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Allocation Exhibit
WBGO, Newark, NJ

The attached allocation study shows that no new contour overlap will be caused by the instant proposal. Page #2 is a contour-to-contour tabular channel-study that shows the greatest contour overlap in two columns," In" and "Out". The "In" column represents the greatest overlap along the proposed WBGO 60 dBu protected contour while the "Out" column represents the greatest overlap along the protected contours of stations having a contour relationship with the WBGO interference contour.

It should be noted that two existing outgoing contour overlaps show up in the study, WCWP and WEDW-FM. The overlaps are not exacerbated by the instant proposal. This is shown by the contour overlap maps and FMOVER studies which show the proposed overlap, calculated area and population of the overlap and the existing overlap with calculated area and population. In all cases, the area and population in the proposed overlap is less than that which exists under the current WBGO license.

The allocation study also shows the contour-to-contour map and FMOVER studies for all stations having a frequency and distance relationship with the proposal. The studies are organized in the order that the stations appear on the initial tabular allocation study.

The terrain database used in this analysis is the same 30 arc-second terrain elevation database used by the Commission for its own processing programs. Further, the same radial sampling methods were used for best compatibility. The FCC's FORTRAN algorithm TVFMINT was used throughout this study to determine the distances to contour values.

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Allocation Study
Newark Public Radio Inc.

REFERENCE CH# 202B1 - 88.3 MHz, Pwr= 2.5 kW, HAAT= 264.8 M, COR= 279.5 M DISPLAY DATES
40 45 08.0 N. Average Protected F(50-50)= 36.31 km DATA 01-30-09
73 58 04.0 W. Standard Directional SEARCH 01-30-09

CH CALL / CITY	TYPE ANT / STATE	AZI <--	DIST / FILE #	LAT / LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) / LICENSEE	*IN* (Overlap in km)	*OUT*
202B1 WBGO	LIC _CN	264.2	17.2	40 44 11.0	4.500	90.1	31.9	-109.3*	-109.9*
Newark	NJ	84.1	BLED19840508CH	74 10 15.0	131	165	Newark Public Radio Inc.		
06-1C WPVI-TV	LI _HN	234.3	133.6	40 02 39.0	74.100	48.3	101.0	256.5R	-15.7M
Philadelphia	PA	53.4	BLCT2282	75 14 26.0	332	404	Abc, Inc.		
201A WCWP	LIC _CN	77.0	32.1	40 49 00.0	0.100	11.6	8.2	0.1	-5.9
Brookville	NY	257.2	BLED525	73 35 49.0	58	89	Long Island University Pub		
203A WEDW-FM	LIC DEN	48.4	49.5	41 02 49.0	2.000	20.4	13.6	1.9	-0.9
Stamford	CT	228.7	BLED19920113KA	73 31 36.0	92	127	Connecticut Public Broadca		
203A WNJP	LIC DCN	312.4	64.8	41 08 37.0	0.450	19.6	13.1	11.0	0.1
Sussex	NJ	132.1	BLED19980729KC	74 32 18.0	194	454	New Jersey Public Broadcas		
201A WDNJ	CP DVX	291.3	58.3	40 56 25.0	0.500	13.2	9.4	11.7	0.2
Hopatcong	NJ	110.8	BNPED19991104AAH	74 36 48.0	118	384	Youngshine Media, Inc.		
201A WYGG	CP DEX	183.3	59.3	40 13 09.0	1.500	15.7	11.1	11.6	0.2
Asbury Park	NJ	3.2	BPED20070403ABV	74 00 27.0	16	26	Minority Business & Housin		
202B1 WLIU	LIC _EN	82.8	129.3	40 53 17.0	25.000	104.4	28.8	1.0	33.9
Southampton	NY	263.8	BLED19940908KA	72 26 43.0	66	75	Long Island University Pub		
204A WPSC-FM	LIC _CN	316.0	37.8	40 59 46.0	0.200	1.0	14.1	2.5	20.9
Wayne	NJ	135.8	BLED19881216KB	74 16 51.0	79	211	William Paterson College O		
201A WYGG	LIC _CN	183.4	59.5	40 13 01.0	0.100	8.0	5.6	19.2	6.0
Asbury Park	NJ	3.4	BLED19940304KZ	74 00 33.0	10	20	Minority Business & Housin		
203A WPOB	LIC DCN	83.2	43.0	40 47 48.0	0.125	8.5	6.0	13.2	6.6
Plainview	NY	263.5	BLED19901102KB	73 27 44.0	79	116	Plainview-old Bethpage Sch		
Share time operation with WKWZ, Syossett, NY									
203A WKWZ	LIC DCN	83.2	43.0	40 47 48.0	0.125	8.5	6.0	14.1	6.7
Syosset	NY	263.5	BLED19901102KA	73 27 44.0	79	116	Syosset Central School Dis		
Share time operation with WPOB, Plainview, NY									
204A WRHU	LIC _CN	97.0	31.0	40 43 03.0	0.470	1.5	11.3	7.0	17.7
Hempstead	NY	277.3	BMLED19881011KA	73 36 12.0	55	78	Hofstra University		
202A WBKW	CP _CX	14.5	94.2	41 34 22.0	0.003	16.5	5.0	46.3	7.4
Beekman	NY	194.7	BPED19980421MA	73 41 01.0	207	405	Monroe Board Of Education		
06 1C WPVI-TV	CP _HN	234.3	133.6	40 02 39.0	7.560	48.3	77.3	256.5R	8.0M
Philadelphia	PA	53.4	BPCDT20080208ADW	75 14 26.0	332	404	Abc, Inc.		
205A 980923MB	APP DCX	274.9	46.0	40 47 09.0	0.125	0.5	10.9	9.2	32.0
Chatham	NJ	94.5	BPED19980923MB	74 30 37.0	83	226	World Revivals Inc		
201A WNJT-FM	LIC _VN	229.6	80.2	40 16 58.0	0.110	23.4	15.5	19.7	9.3
Trenton	NJ	49.1	BLED19961001KE	74 41 11.0	210	244	New Jersey Public Broadcas		
205A 990716MB	APP DVX	260.2	50.1	40 40 26.0	1.900	1.6	14.7	11.8	32.3
Bernardsville	NJ	79.8	BPED19990716MB	74 33 06.0	79	172	New Jersey Public Broadcas		
Vertical Polarization Only									
204A WRSU-FM	LIC _CN	231.5	50.9	40 28 00.0	1.350	1.6	11.8	12.1	36.1
New Brunswick	NJ	51.2	BLED1206	74 26 15.0	38	62	Board Of Governors Of Rutg		
202A WFSO	CP DVX	349.8	130.5	41 54 30.0	0.560	61.7	20.0	33.0	16.6
Olivebridge	NY	169.7	BPED20080527AAM	74 14 46.0	23	344	Redeemer Broadcasting, Inc		
201A WGMY	CP DCX	342.7	84.4	41 28 37.4	1.650	17.6	12.1	31.0	18.8
Montgomery	NY	162.5	BMPED20060419ABS	74 16 09.8	35	180	River Broadcasting Inc		
205A WMCX	LIC _EN	183.6	52.7	40 16 44.0	1.000	1.6	11.3	19.3	38.6
West Long Branch	NJ	3.6	BLED19881227KB	74 00 26.0	36	48	Monmouth University		
201A WXBA	LIC _CN	87.7	60.2	40 46 19.0	0.180	9.3	6.5	28.0	21.6
Brentwood	NY	268.1	BLED19881221KB	73 15 19.0	29	52	Brentwood Union Free Schoo		
202A WVBH	LIC DEX	193.5	118.4	39 42 56.0	0.100	17.6	5.4	65.1	23.0
Beach Haven West	NJ	13.3	BLED20030304AAT	74 17 32.0	130	145	Priority Radio, Inc.		

CH CALL	TYPE ANT	AZI	DIST	LAT	PWR(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY	STATE	<--	FILE #	LNG	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
202A WFSO	LIC DV_	349.8	130.5	41 54 30.0	0.100	42.9	13.0	52.1	23.6
Olivebridge	NY	169.7	BMLED20080425ABS	74 14 46.0	21	341	Redeemer Broadcasting, Inc		
06 1E WEDY	CPM _HN	53.9	109.8	41 19 42.0	0.400	27.7	29.4	256.5R	52.7M
New Haven	CT	234.6	BMPEDT20020305AAU	72 54 25.0	88	131	Connecticut Public Broadca		
06Z1C WRGB	LI _HN	359.4	209.3	42 38 12.0	93.300	41.8	96.0	256.5R	71.5M
Schenectady	NY	179.4	BLCT2492	73 59 45.0	311	555	Freedom Broadcasting Of Ne		
06 1C WRGB	CP _HN	359.0	208.1	42 37 31.0	4.640	42.0	69.4	256.5R	96.7M
Schenectady	NY	179.0	BPCDT20080307AAK	74 00 38.0	396	653	Freedom Broadcasting Of Ne		
06+1C WLNE-TV	LI _CY	67.1	251.3	41 35 48.0	100.000	25.6	102.9	256.5R	122.7M
New Bedford	MA	248.9	BLCT19920604KF	71 11 24.0	283	308	Global Broadcasting Of Sou		

Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone = 1, Co to 3rd adjacent.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.

HOW TO READ THE FM COMPUTER PRINT-OUT

Full Service Stations

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. Contour distances are in kilometers and are predicted using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "IN " is the difference in kilometers between of the reference station's protected contour and the data file station's interference contour at the closest point between the contours. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, “IN” column is a measure of incoming interference. Negative distances in this column indicate the presence of contour overlap. Listed antenna heights and power are those given in the FCC database. The column labeled “OUT " shows the greatest distance in kilometers of overlap or smallest of clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing contour overlap.

Under the "AZI" column, the first row of numbers indicate the True North bearings from the reference station toward the database stations, while the numbers in the second row indicate the reverse bearings from the database stations to the reference station.

The columns labeled "INT" and "PRO" contain the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships, some channel-six TV relationships and relationships with commercial channel stations providing clearance the minimum spacings values the "IN" and "OUT" columns can change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** (or lack of it) in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

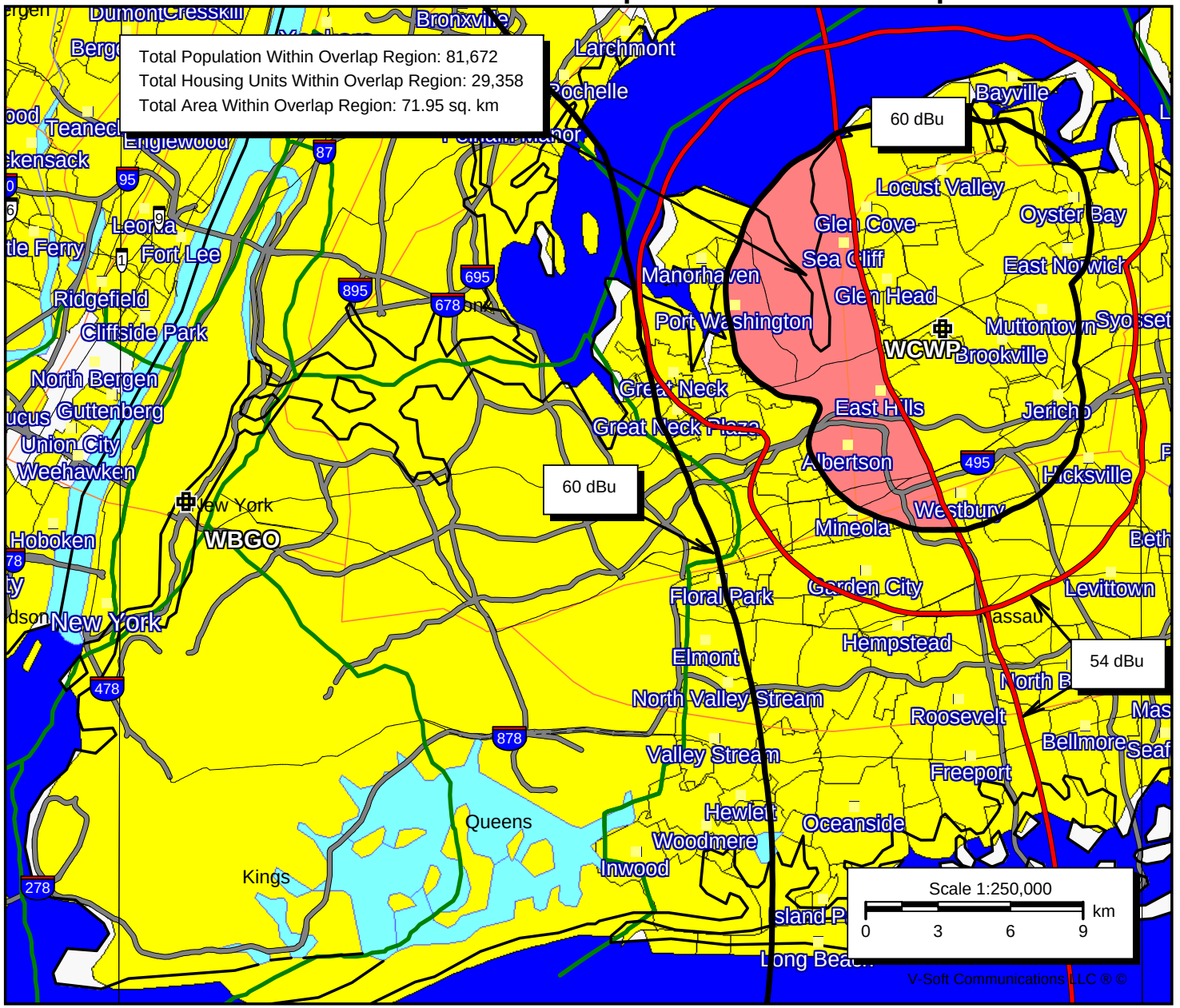
The call letters of stations meeting the minimum separation distances under the rules will be flagged by the characters “<<” appended to the right-hand side of the call sign. The “^” character appended to the call sign means the station has been “max-classed” according to the provisions of section 73.525 of the Rules.

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. “Z” indicates a 73.215 directional. An “N” indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an “X” if the commission is not sure, otherwise it will be an “N” or left blank.

Proposed Contour Overlap with WCWP

WBGO
BLED525
Latitude: 40-45-08 N
Longitude: 073-58-04 W
ERP: 2.50 kW
Channel: 202
Frequency: 88.3 MHz
AMSL Height: 279.5 m
Horiz. Pattern: Directional
Prop Model: FCC

WCWP
BLED525
Latitude: 40-49-00 N
Longitude: 073-35-49 W
ERP: 0.10 kW
Channel: 201
Frequency: 88.1 MHz
AMSL Height: 89.0 m
Horiz. Pattern: Omni



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01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO - Proposed
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WCWP BLED525
Channel = 201A
Max ERP = 0.1 kW
RCAMSL = 89 M
N. Lat. 40 49 00.0
W. Lng. 73 35 49.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
017.0	000.7722	0264.1	027.6	309.9	000.1000	0079.7	030.1	40.27	
018.0	000.7375	0266.9	027.5	310.0	000.1000	0079.7	029.6	40.56	
019.0	000.7043	0268.6	027.3	310.0	000.1000	0079.7	029.1	40.85	
020.0	000.6726	0268.6	027.0	309.7	000.1000	0079.7	028.5	41.17	
021.0	000.6423	0267.2	026.6	309.4	000.1000	0079.7	028.0	41.52	
022.0	000.6134	0264.5	026.2	308.9	000.1000	0079.8	027.4	41.88	
023.0	000.5858	0261.9	025.8	308.3	000.1000	0079.9	026.9	42.24	
024.0	000.5594	0260.2	025.5	307.8	000.1000	0080.1	026.4	42.60	
025.0	000.5342	0259.9	025.2	307.4	000.1000	0080.2	025.9	42.94	
026.0	000.5102	0260.7	025.0	307.1	000.1000	0080.2	025.4	43.28	
027.0	000.4872	0262.1	024.8	306.8	000.1000	0080.3	024.9	43.61	
028.0	000.4653	0263.8	024.6	306.6	000.1000	0080.4	024.5	43.94	
029.0	000.4444	0264.9	024.3	306.2	000.1000	0080.4	024.0	44.27	
030.0	000.4244	0265.0	024.1	305.7	000.1000	0080.5	023.6	44.62	
031.0	000.4127	0264.7	023.9	305.4	000.1000	0080.6	023.1	44.94	
032.0	000.4012	0264.8	023.8	305.0	000.1000	0080.7	022.7	45.27	
033.0	000.3899	0265.4	023.6	304.7	000.1000	0080.7	022.3	45.60	
034.0	000.3787	0266.3	023.5	304.4	000.1000	0080.8	021.9	45.92	
035.0	000.3677	0267.3	023.4	304.1	000.1000	0080.8	021.5	46.24	
036.0	000.3568	0268.2	023.3	303.7	000.1000	0080.8	021.1	46.56	
037.0	000.3461	0269.0	023.1	303.3	000.1000	0080.8	020.7	46.88	
038.0	000.3356	0269.8	023.0	302.8	000.1000	0080.8	020.3	47.19	
039.0	000.3253	0270.7	022.9	302.3	000.1000	0080.8	019.9	47.50	
040.0	000.3151	0271.6	022.7	301.8	000.1000	0080.8	019.5	47.80	
041.0	000.3133	0272.5	022.7	301.6	000.1000	0080.8	019.1	48.12	
042.0	000.3115	0273.2	022.7	301.4	000.1000	0080.8	018.7	48.45	
043.0	000.3098	0273.7	022.7	301.1	000.1000	0080.7	018.4	48.77	
044.0	000.3080	0274.0	022.7	300.8	000.1000	0080.7	018.0	49.08	
045.0	000.3062	0274.3	022.7	300.4	000.1000	0080.7	017.6	49.39	
046.0	000.3028	0274.4	022.6	299.9	000.1000	0080.6	017.2	49.69	
047.0	000.3010	0274.5	022.6	299.4	000.1000	0080.5	016.9	50.00	
048.0	000.2993	0274.5	022.6	298.9	000.1000	0080.3	016.5	50.29	
049.0	000.2976	0274.5	022.5	298.3	000.1000	0080.2	016.1	50.58	
050.0	000.2958	0274.8	022.5	297.7	000.1000	0080.0	015.8	50.87	
051.0	000.2873	0275.2	022.4	296.6	000.1000	0079.6	015.5	51.09	
052.0	000.2789	0275.6	022.2	295.5	000.1000	0079.0	015.2	51.29	
053.0	000.2706	0275.9	022.1	294.4	000.1000	0078.4	014.9	51.29	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
054.0	000.2624	0276.0	021.9	293.1	000.1000	0077.9	014.7	51.52
055.0	000.2544	0276.0	021.8	291.7	000.1000	0077.8	014.4	51.79
056.0	000.2465	0275.9	021.6	290.3	000.1000	0078.1	014.2	52.08
057.0	000.2387	0276.0	021.4	288.9	000.1000	0078.6	014.0	52.39
058.0	000.2310	0276.1	021.3	287.4	000.1000	0079.1	013.8	52.68
059.0	000.2235	0276.2	021.1	285.8	000.1000	0079.5	013.7	52.92
060.0	000.2161	0276.2	020.9	284.2	000.1000	0079.2	013.5	53.09
061.0	000.2117	0276.2	020.8	282.8	000.1000	0078.8	013.4	53.28
062.0	000.2088	0276.3	020.8	281.4	000.1000	0078.3	013.2	53.47
063.0	000.2045	0276.3	020.7	279.9	000.1000	0077.6	013.0	53.58
064.0	000.2016	0276.2	020.6	278.4	000.1000	0076.8	012.9	53.71
065.0	000.1974	0276.1	020.5	276.8	000.1000	0075.9	012.8	53.75
066.0	000.1932	0275.9	020.4	275.1	000.1000	0075.1	012.7	53.78
067.0	000.1904	0275.6	020.3	273.5	000.1000	0074.0	012.6	53.79
068.0	000.1863	0275.4	020.2	271.9	000.1000	0072.8	012.6	53.72
069.0	000.1836	0274.9	020.1	270.2	000.1000	0071.6	012.5	53.65
070.0	000.1796	0274.3	019.9	268.5	000.1000	0070.9	012.5	53.57
071.0	000.1809	0273.5	019.9	267.0	000.1000	0070.4	012.4	53.68
072.0	000.1809	0272.8	019.9	265.4	000.1000	0070.0	012.4	53.72
073.0	000.1823	0272.1	019.9	263.8	000.1000	0069.9	012.3	53.83
074.0	000.1823	0271.2	019.9	262.2	000.1000	0069.2	012.2	53.79
075.0	000.1836	0270.2	019.9	260.6	000.1000	0067.8	012.2	53.68
076.0	000.1850	0269.2	019.9	258.9	000.1000	0065.6	012.2	53.45
077.0	000.1850	0268.4	019.9	257.3	000.1000	0063.4	012.2	53.16
078.0	000.1863	0267.7	019.9	255.7	000.1000	0061.3	012.2	52.90
079.0	000.1863	0267.0	019.9	254.1	000.1000	0059.2	012.2	52.54
080.0	000.1877	0266.4	019.9	252.4	000.1000	0056.5	012.3	52.12
081.0	000.1918	0266.2	020.0	250.8	000.1000	0053.8	012.2	51.76
082.0	000.1974	0266.3	020.1	249.0	000.1000	0051.9	012.2	51.53
083.0	000.2016	0266.3	020.2	247.3	000.1000	0049.4	012.1	51.09
084.0	000.2074	0266.7	020.4	245.5	000.1000	0044.9	012.1	50.27
085.0	000.2117	0267.2	020.5	243.7	000.1000	0040.7	012.1	49.36
086.0	000.2161	0267.8	020.6	241.9	000.1000	0036.9	012.1	48.46
087.0	000.2220	0268.2	020.8	240.0	000.1000	0034.8	012.2	47.93
088.0	000.2265	0268.2	020.9	238.3	000.1000	0034.6	012.2	47.76
089.0	000.2326	0268.1	021.0	236.5	000.1000	0035.6	012.3	47.87
090.0	000.2372	0268.0	021.1	234.9	000.1000	0039.0	012.4	48.48
091.0	000.2465	0267.9	021.3	233.0	000.1000	0043.7	012.5	49.41
092.0	000.2560	0267.8	021.5	231.1	000.1000	0047.8	012.6	50.11
093.0	000.2657	0267.7	021.7	229.3	000.1000	0050.9	012.7	50.53
094.0	000.2756	0267.7	021.9	227.5	000.1000	0052.8	012.9	50.66
095.0	000.2856	0267.4	022.0	225.8	000.1000	0054.0	013.0	50.62
096.0	000.2941	0266.7	022.2	224.3	000.1000	0054.7	013.2	50.43
097.0	000.3045	0265.8	022.3	222.8	000.1000	0055.3	013.5	50.24
098.0	000.3151	0264.9	022.5	221.3	000.1000	0056.1	013.7	50.02
099.0	000.3258	0263.7	022.6	220.0	000.1000	0056.8	014.0	49.80
100.0	000.3367	0263.0	022.7	218.7	000.1000	0057.6	014.2	49.58
101.0	000.3553	0262.5	023.0	217.0	000.1000	0058.7	014.5	49.44
102.0	000.3725	0262.1	023.3	215.5	000.1000	0059.5	014.7	49.24
103.0	000.3901	0261.4	023.5	214.1	000.1000	0060.3	015.0	49.26
104.0	000.4080	0260.4	023.7	212.8	000.1000	0060.8	015.3	49.04

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
105.0	000.4264	0259.4	023.9	211.7	000.1000	0061.3	015.7	48.80
106.0	000.4473	0258.8	024.1	210.4	000.1000	0061.7	016.0	48.55
107.0	000.4687	0258.6	024.4	209.2	000.1000	0062.1	016.4	48.30
108.0	000.4906	0258.5	024.6	208.0	000.1000	0062.7	016.7	48.05
109.0	000.5130	0258.2	024.9	207.0	000.1000	0063.2	017.1	47.77
110.0	000.5382	0257.8	025.1	206.0	000.1000	0063.5	017.5	47.46
111.0	000.5641	0257.5	025.4	205.0	000.1000	0063.6	018.0	47.11
112.0	000.5905	0257.3	025.7	204.1	000.1000	0063.5	018.4	46.73
113.0	000.6175	0257.1	025.9	203.3	000.1000	0063.4	018.8	46.35
114.0	000.6477	0257.0	026.2	202.5	000.1000	0063.4	019.3	45.96
115.0	000.6760	0257.0	026.5	201.8	000.1000	0063.4	019.8	45.57
116.0	000.7102	0257.4	026.8	201.0	000.1000	0063.5	020.3	45.18
117.0	000.7426	0258.0	027.1	200.3	000.1000	0063.6	020.8	44.79
118.0	000.7784	0258.5	027.4	199.6	000.1000	0063.7	021.3	44.39
119.0	000.8151	0258.9	027.7	199.0	000.1000	0063.8	021.8	43.98
120.0	000.8526	0259.3	028.0	198.4	000.1000	0063.9	022.3	43.57
121.0	000.8940	0259.5	028.3	197.9	000.1000	0064.0	022.9	43.15
122.0	000.9333	0259.7	028.6	197.5	000.1000	0064.0	023.4	42.73
123.0	000.9797	0260.0	029.0	197.0	000.1000	0064.0	024.0	42.30
124.0	001.0240	0260.4	029.3	196.6	000.1000	0063.9	024.6	41.87
125.0	001.0726	0261.1	029.7	196.2	000.1000	0063.9	025.2	41.44
126.0	001.1223	0261.9	030.0	195.8	000.1000	0063.8	025.8	41.01
127.0	001.1765	0262.7	030.4	195.5	000.1000	0063.8	026.4	40.58
128.0	001.2320	0263.3	030.8	195.2	000.1000	0063.7	027.1	40.16
129.0	001.2888	0263.9	031.1	194.9	000.1000	0063.7	027.7	39.75
130.0	001.3506	0264.4	031.5	194.7	000.1000	0063.7	028.4	39.35
131.0	001.4138	0264.7	031.9	194.5	000.1000	0063.7	029.0	38.96
132.0	001.4822	0264.9	032.3	194.4	000.1000	0063.7	029.7	38.58
133.0	001.5524	0265.1	032.6	194.3	000.1000	0063.8	030.4	38.22
134.0	001.6241	0265.4	033.0	194.2	000.1000	0063.8	031.1	37.88
135.0	001.7016	0265.7	033.4	194.1	000.1000	0063.8	031.8	37.55
136.0	001.7808	0266.1	033.8	194.1	000.1000	0063.8	032.4	37.24
137.0	001.8662	0266.5	034.1	194.1	000.1000	0063.8	033.2	36.93

01-30-2009 FCC NGDC 30 Sec Terrain Data

WCWP BLED525
Channel = 201A
Max ERP = 0.1 kW
RCAMSL = 89 M
N. Lat. 40 49 00.0
W. Lng. 73 35 49.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
197.0	000.1000	0064.0	008.2	091.3	000.2497	0267.8	028.8	55.62**	2.87
198.0	000.1000	0063.9	008.2	091.3	000.2490	0267.9	028.7	55.70**	2.98
199.0	000.1000	0063.8	008.2	091.2	000.2480	0267.9	028.6	55.76**	3.08
200.0	000.1000	0063.7	008.2	091.1	000.2470	0267.9	028.4	55.83**	3.18
201.0	000.1000	0063.5	008.2	090.9	000.2459	0267.9	028.3	55.89**	3.28
202.0	000.1000	0063.4	008.2	090.8	000.2448	0267.9	028.2	55.96**	3.37
203.0	000.1000	0063.4	008.2	090.7	000.2438	0268.0	028.0	56.02**	3.47
204.0	000.1000	0063.5	008.2	090.6	000.2428	0268.0	027.9	56.09**	3.57
205.0	000.1000	0063.6	008.2	090.5	000.2418	0268.0	027.8	56.16**	3.68
206.0	000.1000	0063.5	008.2	090.4	000.2406	0268.0	027.6	56.22**	3.77
207.0	000.1000	0063.2	008.2	090.2	000.2391	0268.0	027.5	56.27**	3.83
208.0	000.1000	0062.7	008.2	090.0	000.2372	0268.0	027.4	56.31**	3.88
209.0	000.1000	0062.2	008.1	089.8	000.2363	0268.0	027.3	56.37**	3.96
210.0	000.1000	0061.8	008.1	089.6	000.2353	0268.0	027.2	56.42**	4.04
211.0	000.1000	0061.5	008.1	089.4	000.2344	0268.1	027.1	56.48**	4.12
212.0	000.1000	0061.2	008.1	089.2	000.2335	0268.1	027.0	56.53**	4.19
213.0	000.1000	0060.8	008.0	089.0	000.2326	0268.1	026.9	56.58**	4.26
214.0	000.1000	0060.3	008.0	088.8	000.2312	0268.1	026.8	56.63**	4.32
215.0	000.1000	0059.8	008.0	088.5	000.2298	0268.1	026.7	56.66**	4.36
216.0	000.1000	0059.2	007.9	088.3	000.2283	0268.1	026.6	56.69**	4.40
217.0	000.1000	0058.7	007.9	088.1	000.2268	0268.2	026.5	56.72**	4.43
218.0	000.1000	0058.1	007.9	087.8	000.2256	0268.2	026.4	56.75**	4.47
219.0	000.1000	0057.4	007.8	087.5	000.2244	0268.2	026.4	56.78**	4.50
220.0	000.1000	0056.8	007.8	087.3	000.2232	0268.2	026.3	56.81**	4.53
221.0	000.1000	0056.2	007.7	087.0	000.2220	0268.2	026.2	56.83**	4.56
222.0	000.1000	0055.7	007.7	086.7	000.2204	0268.1	026.1	56.84**	4.56
223.0	000.1000	0055.2	007.6	086.5	000.2188	0268.0	026.1	56.86**	4.57
224.0	000.1000	0054.8	007.6	086.2	000.2172	0267.9	026.0	56.87**	4.57
225.0	000.1000	0054.3	007.6	085.9	000.2157	0267.7	025.9	56.87**	4.57
226.0	000.1000	0053.8	007.5	085.6	000.2145	0267.6	025.9	56.88**	4.57
227.0	000.1000	0053.2	007.5	085.3	000.2132	0267.4	025.8	56.88**	4.56
228.0	000.1000	0052.3	007.4	085.0	000.2118	0267.3	025.8	56.87**	4.53
229.0	000.1000	0051.2	007.3	084.7	000.2104	0267.1	025.8	56.84**	4.48
230.0	000.1000	0049.9	007.2	084.3	000.2088	0266.9	025.8	56.79**	4.40

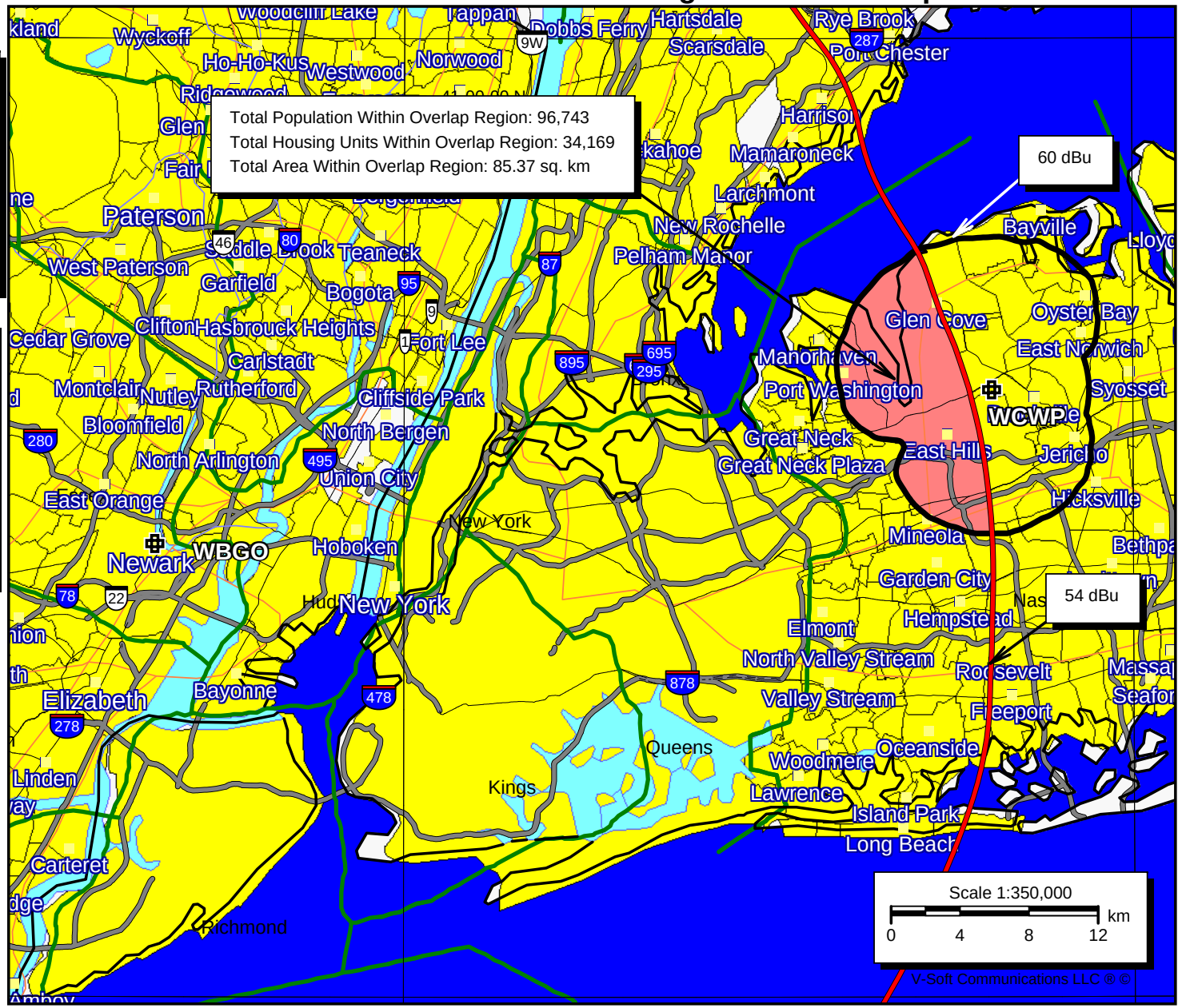
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	
231.0	000.1000	0048.1	007.1	083.9	000.2069	0266.7	025.9	56.71**	4.27
232.0	000.1000	0045.9	006.9	083.5	000.2044	0266.4	025.9	56.60**	4.09
233.0	000.1000	0043.7	006.7	083.1	000.2020	0266.3	026.0	56.48**	3.90
234.0	000.1000	0041.3	006.6	082.6	000.2001	0266.3	026.1	56.36**	3.72
235.0	000.1000	0038.7	006.3	082.2	000.1983	0266.3	026.3	56.23**	3.52
236.0	000.1000	0036.5	006.2	081.8	000.1963	0266.3	026.4	56.12**	3.33
237.0	000.1000	0035.1	006.0	081.5	000.1946	0266.3	026.5	56.03**	3.21
238.0	000.1000	0034.6	006.0	081.3	000.1932	0266.2	026.4	56.01**	3.16
239.0	000.1000	0034.7	006.0	081.0	000.1921	0266.2	026.4	56.02**	3.16
240.0	000.1000	0034.8	006.0	080.8	000.1912	0266.2	026.4	56.02**	3.17
241.0	000.1000	0035.7	006.1	080.7	000.1905	0266.2	026.2	56.08**	3.25
242.0	000.1000	0037.1	006.2	080.5	000.1899	0266.2	026.1	56.17**	3.38
243.0	000.1000	0039.2	006.4	080.4	000.1895	0266.3	025.9	56.30**	3.56
244.0	000.1000	0041.4	006.6	080.3	000.1889	0266.3	025.7	56.42**	3.74
245.0	000.1000	0043.7	006.7	080.2	000.1884	0266.4	025.5	56.56**	3.93
246.0	000.1000	0046.3	007.0	080.0	000.1878	0266.4	025.3	56.71**	4.14
247.0	000.1000	0048.8	007.2	079.9	000.1875	0266.5	025.0	56.86**	4.35
248.0	000.1000	0050.6	007.3	079.7	000.1872	0266.6	024.9	56.98**	4.52
249.0	000.1000	0051.9	007.4	079.4	000.1869	0266.7	024.8	57.06**	4.63
250.0	000.1000	0052.9	007.5	079.1	000.1865	0266.9	024.7	57.12**	4.72
251.0	000.1000	0054.2	007.6	078.9	000.1863	0267.1	024.5	57.21**	4.84
252.0	000.1000	0055.8	007.7	078.6	000.1863	0267.3	024.4	57.32**	4.99
253.0	000.1000	0057.4	007.8	078.3	000.1863	0267.5	024.3	57.42**	5.13
254.0	000.1000	0059.1	007.9	078.0	000.1863	0267.7	024.1	57.52**	5.27
255.0	000.1000	0060.4	008.0	077.7	000.1859	0267.9	024.0	57.59**	5.36
256.0	000.1000	0061.7	008.1	077.4	000.1855	0268.1	024.0	57.65**	5.45
257.0	000.1000	0063.0	008.2	077.0	000.1850	0268.4	023.9	57.72**	5.53
258.0	000.1000	0064.3	008.3	076.7	000.1850	0268.6	023.8	57.78**	5.62
259.0	000.1000	0065.7	008.4	076.3	000.1850	0268.9	023.7	57.86**	5.73
260.0	000.1000	0067.1	008.5	076.0	000.1849	0269.3	023.6	57.93**	5.83
261.0	000.1000	0068.2	008.5	075.6	000.1844	0269.6	023.6	57.97**	5.88
262.0	000.1000	0069.1	008.6	075.2	000.1839	0270.0	023.5	58.00**	5.92
263.0	000.1000	0069.7	008.6	074.8	000.1834	0270.4	023.5	58.01**	5.94
264.0	000.1000	0070.0	008.6	074.5	000.1829	0270.8	023.5	58.01**	5.94
265.0	000.1000	0070.1	008.6	074.1	000.1824	0271.1	023.5	57.99**	5.92
266.0	000.1000	0070.1	008.6	073.7	000.1823	0271.5	023.5	57.98**	5.90
267.0	000.1000	0070.4	008.7	073.4	000.1823	0271.8	023.6	57.98**	5.91
268.0	000.1000	0070.8	008.7	073.0	000.1822	0272.1	023.6	57.98**	5.90
269.0	000.1000	0071.1	008.7	072.6	000.1817	0272.3	023.6	57.96**	5.88
270.0	000.1000	0071.4	008.7	072.3	000.1813	0272.6	023.6	57.94**	5.85
271.0	000.1000	0072.2	008.8	071.9	000.1809	0272.9	023.6	57.93**	5.84
272.0	000.1000	0072.9	008.8	071.5	000.1809	0273.2	023.6	57.94**	5.85
273.0	000.1000	0073.6	008.9	071.1	000.1809	0273.5	023.7	57.94**	5.85
274.0	000.1000	0074.3	008.9	070.7	000.1805	0273.8	023.7	57.92**	5.83
275.0	000.1000	0075.1	009.0	070.3	000.1800	0274.0	023.7	57.90**	5.80
276.0	000.1000	0075.5	009.0	070.0	000.1798	0274.3	023.7	57.87**	5.76
277.0	000.1000	0076.0	009.0	069.6	000.1813	0274.6	023.8	57.88**	5.80
278.0	000.1000	0076.6	009.0	069.2	000.1828	0274.8	023.8	57.89**	5.83
279.0	000.1000	0077.1	009.1	068.8	000.1841	0275.0	023.9	57.90**	5.84
280.0	000.1000	0077.7	009.1	068.5	000.1851	0275.2	023.9	57.88**	5.84
281.0	000.1000	0078.2	009.1	068.1	000.1860	0275.3	024.0	57.87**	5.83

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	
282.0	000.1000	0078.6	009.2	067.8	000.1873	0275.4	024.1	57.85**	5.82
283.0	000.1000	0078.9	009.2	067.4	000.1887	0275.5	024.1	57.83**	5.80
284.0	000.1000	0079.2	009.2	067.1	000.1901	0275.6	024.2	57.81**	5.78
285.0	000.1000	0079.4	009.2	066.8	000.1911	0275.7	024.3	57.77**	5.74
286.0	000.1000	0079.4	009.2	066.5	000.1919	0275.8	024.4	57.72**	5.67
287.0	000.1000	0079.2	009.2	066.2	000.1927	0275.8	024.5	57.65**	5.59
288.0	000.1000	0078.9	009.2	065.9	000.1935	0275.9	024.6	57.59**	5.51
289.0	000.1000	0078.5	009.2	065.7	000.1945	0275.9	024.8	57.52**	5.43
290.0	000.1000	0078.2	009.1	065.5	000.1954	0276.0	024.9	57.45**	5.34
291.0	000.1000	0077.9	009.1	065.2	000.1964	0276.0	025.0	57.39**	5.26
292.0	000.1000	0077.8	009.1	065.0	000.1974	0276.1	025.1	57.33**	5.18
293.0	000.1000	0077.9	009.1	064.7	000.1985	0276.1	025.2	57.27**	5.11
294.0	000.1000	0078.3	009.1	064.5	000.1997	0276.1	025.3	57.23**	5.05
295.0	000.1000	0078.8	009.2	064.2	000.2009	0276.2	025.4	57.18**	5.00
296.0	000.1000	0079.3	009.2	063.9	000.2019	0276.2	025.5	57.13**	4.93
297.0	000.1000	0079.7	009.2	063.6	000.2027	0276.3	025.7	57.07**	4.85
298.0	000.1000	0080.1	009.3	063.4	000.2034	0276.3	025.8	57.00**	4.76
299.0	000.1000	0080.4	009.3	063.1	000.2041	0276.3	025.9	56.93**	4.67
300.0	000.1000	0080.6	009.3	062.9	000.2048	0276.3	026.0	56.86**	4.57
301.0	000.1000	0080.7	009.3	062.7	000.2057	0276.3	026.2	56.79**	4.47
302.0	000.1000	0080.8	009.3	062.5	000.2065	0276.3	026.3	56.71**	4.37
303.0	000.1000	0080.8	009.3	062.3	000.2073	0276.3	026.4	56.63**	4.26
304.0	000.1000	0080.8	009.3	062.2	000.2080	0276.3	026.6	56.55**	4.14
305.0	000.1000	0080.7	009.3	062.0	000.2087	0276.3	026.7	56.47**	4.02
306.0	000.1000	0080.5	009.3	061.9	000.2091	0276.3	026.9	56.37**	3.89
307.0	000.1000	0080.3	009.3	061.8	000.2095	0276.3	027.0	56.28**	3.75
308.0	000.1000	0080.0	009.2	061.7	000.2098	0276.2	027.2	56.19**	3.61
309.0	000.1000	0079.8	009.2	061.5	000.2101	0276.2	027.3	56.09**	3.47
310.0	000.1000	0079.7	009.2	061.4	000.2105	0276.2	027.5	56.00**	3.33
311.0	000.1000	0079.7	009.2	061.3	000.2108	0276.2	027.6	55.91**	3.19
312.0	000.1000	0079.7	009.2	061.2	000.2112	0276.2	027.8	55.82**	3.05
313.0	000.1000	0079.9	009.2	061.1	000.2115	0276.2	027.9	55.73**	2.92
314.0	000.1000	0080.1	009.3	060.9	000.2120	0276.2	028.1	55.65**	2.78
315.0	000.1000	0080.3	009.3	060.8	000.2125	0276.2	028.2	55.56**	2.65
316.0	000.1000	0080.3	009.3	060.7	000.2129	0276.2	028.4	55.47**	2.51
317.0	000.1000	0080.2	009.3	060.7	000.2132	0276.2	028.5	55.38**	2.36

Existing Contour Overlap with WCWP

WBGO
BLED19840508CH
Latitude: 40-44-11 N
Longitude: 074-10-15 W
ERP: 4.50 kW
Channel: 202
Frequency: 88.3 MHz
AMSL Height: 165.0 m
Horiz. Pattern: Omni

WCWP
BLED525
Latitude: 40-49-00 N
Longitude: 073-35-49 W
ERP: 0.10 kW
Channel: 201
Frequency: 88.1 MHz
AMSL Height: 89.0 m
Horiz. Pattern: Omni
Prop Model: FCC



Doug Vernier
721 West 1st Street, Suite A
Cedar Falls, Iowa 50613
Telecommunications Consultants

01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 4.5 kW
RCAMSL = 165 M
N. Lat. 40 44 11.0
W. Lng. 74 10 15.0
Protected
60 dBu

WCWP BLED525
Channel = 201A
Max ERP = 0.1 kW
RCAMSL = 89 M
N. Lat. 40 49 00.0
W. Lng. 73 35 49.0
Interfering
54 dBu

Existing WBGO License relationship with WCWP

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
019.0	004.5000	0142.8	031.0	298.3	000.1000	0080.2	043.3	34.60	
020.0	004.5000	0142.4	031.0	298.4	000.1000	0080.2	042.7	34.81	
021.0	004.5000	0141.3	030.9	298.3	000.1000	0080.2	042.2	35.02	
022.0	004.5000	0139.9	030.7	298.2	000.1000	0080.1	041.6	35.24	
023.0	004.5000	0138.6	030.6	298.1	000.1000	0080.1	041.1	35.45	
024.0	004.5000	0137.7	030.5	298.0	000.1000	0080.1	040.6	35.66	
025.0	004.5000	0137.0	030.4	297.9	000.1000	0080.1	040.0	35.87	
026.0	004.5000	0136.3	030.4	297.9	000.1000	0080.0	039.5	36.08	
027.0	004.5000	0135.9	030.3	297.8	000.1000	0080.0	039.0	36.30	
028.0	004.5000	0135.9	030.3	297.8	000.1000	0080.0	038.4	36.52	
029.0	004.5000	0136.3	030.3	297.9	000.1000	0080.0	037.9	36.74	
030.0	004.5000	0137.4	030.5	298.0	000.1000	0080.1	037.4	36.97	
031.0	004.5000	0139.0	030.6	298.2	000.1000	0080.2	036.8	37.21	
032.0	004.5000	0140.9	030.8	298.5	000.1000	0080.2	036.3	37.45	
033.0	004.5000	0142.5	031.0	298.7	000.1000	0080.3	035.8	37.69	
034.0	004.5000	0143.6	031.1	298.8	000.1000	0080.3	035.2	37.94	
035.0	004.5000	0144.7	031.2	298.9	000.1000	0080.3	034.7	38.18	
036.0	004.5000	0146.0	031.3	299.0	000.1000	0080.4	034.1	38.43	
037.0	004.5000	0147.5	031.5	299.1	000.1000	0080.4	033.5	38.69	
038.0	004.5000	0148.9	031.6	299.2	000.1000	0080.4	033.0	38.95	
039.0	004.5000	0150.1	031.8	299.3	000.1000	0080.4	032.4	39.21	
040.0	004.5000	0151.2	031.9	299.3	000.1000	0080.4	031.8	39.48	
041.0	004.5000	0151.9	032.0	299.3	000.1000	0080.4	031.3	39.75	
042.0	004.5000	0152.5	032.0	299.1	000.1000	0080.4	030.7	40.03	
043.0	004.5000	0153.0	032.1	299.0	000.1000	0080.4	030.2	40.32	
044.0	004.5000	0153.3	032.1	298.8	000.1000	0080.3	029.6	40.62	
045.0	004.5000	0153.4	032.1	298.5	000.1000	0080.2	029.1	40.91	
046.0	004.5000	0153.1	032.1	298.1	000.1000	0080.1	028.6	41.21	
047.0	004.5000	0152.6	032.1	297.6	000.1000	0080.0	028.0	41.50	
048.0	004.5000	0152.2	032.0	297.1	000.1000	0079.8	027.5	41.80	
049.0	004.5000	0151.8	032.0	296.6	000.1000	0079.6	027.0	42.09	
050.0	004.5000	0151.4	031.9	296.0	000.1000	0079.3	026.5	42.38	
051.0	004.5000	0151.0	031.9	295.4	000.1000	0079.0	026.1	42.67	
052.0	004.5000	0150.8	031.9	294.8	000.1000	0078.7	025.6	42.97	
053.0	004.5000	0150.9	031.9	294.3	000.1000	0078.4	025.1	43.28	
054.0	004.5000	0150.8	031.9	293.6	000.1000	0078.1	024.6	43.59	
055.0	004.5000	0150.4	031.8	292.8	000.1000	0077.9	024.1	43.88	
056.0	004.5000	0149.7	031.7	292.0	000.1000	0077.8	023.7	44.18	
057.0	004.5000	0148.6	031.6	290.9	000.1000	0077.9	023.3	44.48	
058.0	004.5000	0147.1	031.5	289.8	000.1000	0078.2	023.0	44.78	
059.0	004.5000	0145.1	031.2	288.5	000.1000	0078.7	022.7	45.05	
060.0	004.5000	0143.0	031.0	287.2	000.1000	0079.2	022.5	45.29	
061.0	004.5000	0141.3	030.9	285.9	000.1000	0079.4	022.2	45.53	
062.0	004.5000	0140.2	030.7	284.7	000.1000	0079.3	021.9	45.74	
063.0	004.5000	0139.8	030.7	283.5	000.1000	0079.1	021.6	45.96	
064.0	004.5000	0139.7	030.7	282.4	000.1000	0078.7	021.3	46.19	
065.0	004.5000	0140.2	030.7	281.4	000.1000	0078.3	020.9	46.43	
066.0	004.5000	0141.0	030.8	280.3	000.1000	0077.8	020.5	46.67	
067.0	004.5000	0142.0	030.9	279.1	000.1000	0077.2	020.1	46.91	
068.0	004.5000	0143.2	031.1	278.0	000.1000	0076.6	019.8	47.15	
069.0	004.5000	0144.2	031.2	276.7	000.1000	0075.9	019.4	47.36	
070.0	004.5000	0144.7	031.2	275.4	000.1000	0075.2	019.1	47.52	
071.0	004.5000	0144.7	031.2	273.9	000.1000	0074.2	018.9	47.59	
072.0	004.5000	0144.7	031.2	272.3	000.1000	0073.1	018.7	47.62	
073.0	004.5000	0144.9	031.2	270.7	000.1000	0072.0	018.5	47.65	
074.0	004.5000	0145.4	031.3	269.2	000.1000	0071.2	018.3	47.73	

075.0	004.5000	0146.4	031.4	267.6	000.1000	0070.6	018.1	47.86
076.0	004.5000	0147.3	031.5	265.9	000.1000	0070.1	017.9	47.97
077.0	004.5000	0148.0	031.5	264.2	000.1000	0070.0	017.7	48.08
078.0	004.5000	0148.6	031.6	262.4	000.1000	0069.4	017.6	48.11
079.0	004.5000	0149.4	031.7	260.6	000.1000	0067.8	017.5	48.02
080.0	004.5000	0149.8	031.7	258.8	000.1000	0065.4	017.5	47.76
081.0	004.5000	0150.3	031.8	257.0	000.1000	0063.0	017.4	47.50
082.0	004.5000	0150.9	031.9	255.1	000.1000	0060.6	017.4	47.20
083.0	004.5000	0151.2	031.9	253.3	000.1000	0057.9	017.5	46.80
084.0	004.5000	0151.6	031.9	251.5	000.1000	0055.0	017.5	46.29
085.0	004.5000	0151.9	032.0	249.7	000.1000	0052.6	017.6	45.79
086.0	004.5000	0152.2	032.0	248.0	000.1000	0050.6	017.8	45.31
087.0	004.5000	0152.5	032.0	246.2	000.1000	0046.9	017.9	44.47
088.0	004.5000	0152.9	032.1	244.5	000.1000	0042.5	018.1	43.39
089.0	004.5000	0153.1	032.1	242.9	000.1000	0039.0	018.3	42.41
090.0	004.5000	0153.4	032.1	241.3	000.1000	0036.1	018.6	41.52
091.0	004.5000	0153.7	032.2	239.8	000.1000	0034.7	018.8	40.99
092.0	004.5000	0153.9	032.2	238.3	000.1000	0034.6	019.1	40.73
093.0	004.5000	0154.2	032.2	236.9	000.1000	0035.2	019.4	40.62
094.0	004.5000	0154.4	032.2	235.5	000.1000	0037.4	019.7	40.89
095.0	004.5000	0154.8	032.3	234.2	000.1000	0040.8	020.0	41.40
096.0	004.5000	0155.3	032.3	232.9	000.1000	0043.9	020.4	41.80
097.0	004.5000	0155.9	032.4	231.7	000.1000	0046.7	020.7	42.10
098.0	004.5000	0156.5	032.5	230.5	000.1000	0049.1	021.1	42.27
099.0	004.5000	0157.2	032.5	229.3	000.1000	0050.9	021.5	42.30
100.0	004.5000	0158.1	032.6	228.2	000.1000	0052.2	021.9	42.23
101.0	004.5000	0159.1	032.8	227.0	000.1000	0053.2	022.3	42.09
102.0	004.5000	0160.1	032.9	226.0	000.1000	0053.8	022.7	41.89
103.0	004.5000	0160.7	032.9	225.1	000.1000	0054.3	023.1	41.63
104.0	004.5000	0161.2	033.0	224.2	000.1000	0054.7	023.6	41.34
105.0	004.5000	0161.6	033.0	223.5	000.1000	0055.0	024.1	41.03
106.0	004.5000	0161.8	033.0	222.8	000.1000	0055.3	024.6	40.71
107.0	004.5000	0161.9	033.0	222.2	000.1000	0055.6	025.1	40.39
108.0	004.5000	0161.8	033.0	221.7	000.1000	0055.9	025.6	40.06
109.0	004.5000	0161.7	033.0	221.2	000.1000	0056.1	026.1	39.73
110.0	004.5000	0161.6	033.0	220.8	000.1000	0056.4	026.7	39.40
111.0	004.5000	0161.5	033.0	220.4	000.1000	0056.6	027.2	39.09
112.0	004.5000	0161.4	033.0	220.0	000.1000	0056.8	027.8	38.77
113.0	004.5000	0161.4	033.0	219.7	000.1000	0057.0	028.3	38.47
114.0	004.5000	0161.5	033.0	219.3	000.1000	0057.2	028.9	38.17
115.0	004.5000	0161.5	033.0	219.0	000.1000	0057.4	029.4	37.88
116.0	004.5000	0161.8	033.0	218.7	000.1000	0057.6	030.0	37.61
117.0	004.5000	0162.3	033.1	218.4	000.1000	0057.8	030.6	37.35
118.0	004.5000	0162.9	033.2	218.1	000.1000	0058.0	031.1	37.10
119.0	004.5000	0163.4	033.2	217.8	000.1000	0058.1	031.7	36.85
120.0	004.5000	0163.6	033.2	217.7	000.1000	0058.3	032.3	36.61
121.0	004.5000	0163.7	033.2	217.5	000.1000	0058.3	032.8	36.38
122.0	004.5000	0164.0	033.3	217.4	000.1000	0058.4	033.4	36.14
123.0	004.5000	0164.2	033.3	217.2	000.1000	0058.5	034.0	35.90
124.0	004.5000	0164.4	033.3	217.2	000.1000	0058.6	034.6	35.67
125.0	004.5000	0164.5	033.3	217.1	000.1000	0058.6	035.1	35.43
126.0	004.5000	0164.6	033.3	217.1	000.1000	0058.6	035.7	35.19
127.0	004.5000	0164.7	033.3	217.0	000.1000	0058.6	036.3	34.96
128.0	004.5000	0164.7	033.3	217.0	000.1000	0058.6	036.9	34.72
129.0	004.5000	0164.7	033.3	217.1	000.1000	0058.6	037.5	34.48
130.0	004.5000	0164.7	033.3	217.1	000.1000	0058.6	038.1	34.25
131.0	004.5000	0164.8	033.4	217.2	000.1000	0058.6	038.6	34.02
132.0	004.5000	0164.9	033.4	217.2	000.1000	0058.5	039.2	33.79
133.0	004.5000	0165.0	033.4	217.3	000.1000	0058.5	039.8	33.56
134.0	004.5000	0165.0	033.4	217.4	000.1000	0058.4	040.4	33.34
135.0	004.5000	0165.0	033.4	217.5	000.1000	0058.4	041.0	33.11
136.0	004.5000	0165.0	033.4	217.6	000.1000	0058.3	041.5	32.89
137.0	004.5000	0165.0	033.4	217.7	000.1000	0058.2	042.1	32.67
138.0	004.5000	0165.0	033.4	217.8	000.1000	0058.1	042.7	32.46
139.0	004.5000	0165.0	033.4	218.0	000.1000	0058.1	043.3	32.24

Channel = 201A
Max ERP = 0.1 kW
RCAMSL = 89 M
N. Lat. 40 49 00.0
W. Lng. 73 35 49.0
Protected
60 dBu

Channel = 202B1
Max ERP = 4.5 kW
RCAMSL = 165 M
N. Lat. 40 44 11.0
W. Lng. 74 10 15.0
Interfering
54 dBu

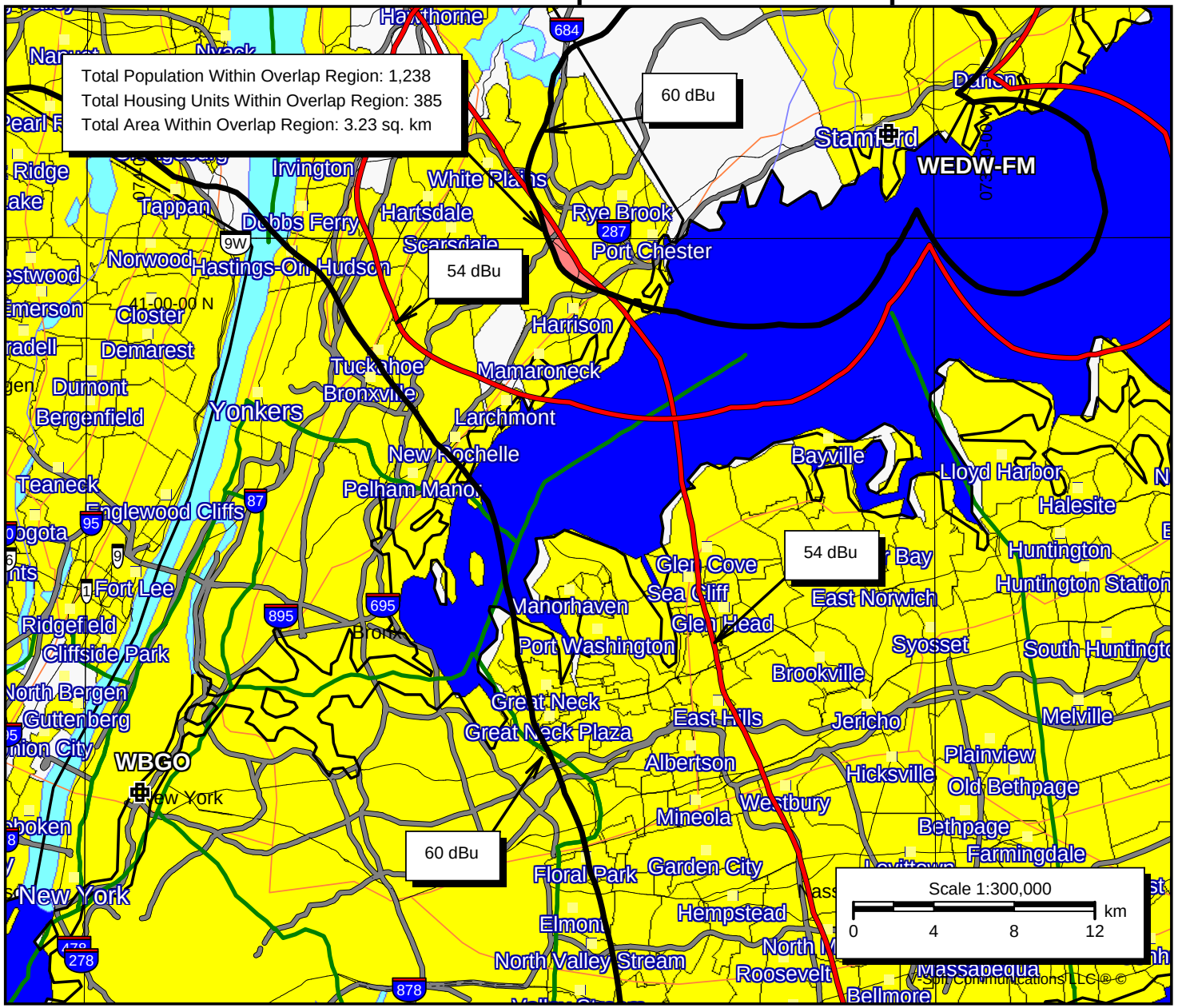
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
200.0	000.1000	0063.7	008.2	088.3	004.5000	0152.9	045.5	55.16**	2.91
201.0	000.1000	0063.5	008.2	088.3	004.5000	0152.9	045.4	55.22**	3.03
202.0	000.1000	0063.4	008.2	088.2	004.5000	0152.9	045.3	55.27**	3.16
203.0	000.1000	0063.4	008.2	088.1	004.5000	0152.9	045.2	55.32**	3.29
204.0	000.1000	0063.5	008.2	088.0	004.5000	0152.9	045.0	55.38**	3.42
205.0	000.1000	0063.6	008.2	088.0	004.5000	0152.8	044.9	55.43**	3.54
206.0	000.1000	0063.5	008.2	087.9	004.5000	0152.8	044.8	55.48**	3.67
207.0	000.1000	0063.2	008.2	087.8	004.5000	0152.8	044.7	55.53**	3.78
208.0	000.1000	0062.7	008.2	087.6	004.5000	0152.8	044.5	55.57**	3.88
209.0	000.1000	0062.2	008.1	087.5	004.5000	0152.7	044.4	55.62**	3.98
210.0	000.1000	0061.8	008.1	087.4	004.5000	0152.7	044.3	55.66**	4.08
211.0	000.1000	0061.5	008.1	087.3	004.5000	0152.6	044.2	55.70**	4.18
212.0	000.1000	0061.2	008.1	087.1	004.5000	0152.6	044.1	55.74**	4.28
213.0	000.1000	0060.8	008.0	087.0	004.5000	0152.5	044.0	55.78**	4.37
214.0	000.1000	0060.3	008.0	086.9	004.5000	0152.5	043.9	55.82**	4.46
215.0	000.1000	0059.8	008.0	086.7	004.5000	0152.4	043.8	55.86**	4.54
216.0	000.1000	0059.2	007.9	086.6	004.5000	0152.3	043.8	55.89**	4.62
217.0	000.1000	0058.7	007.9	086.4	004.5000	0152.3	043.7	55.92**	4.69
218.0	000.1000	0058.1	007.9	086.2	004.5000	0152.2	043.6	55.95**	4.76
219.0	000.1000	0057.4	007.8	086.1	004.5000	0152.2	043.5	55.98**	4.83
220.0	000.1000	0056.8	007.8	085.9	004.5000	0152.1	043.5	56.01**	4.89
221.0	000.1000	0056.2	007.7	085.7	004.5000	0152.1	043.4	56.04**	4.95
222.0	000.1000	0055.7	007.7	085.6	004.5000	0152.0	043.3	56.06**	5.01
223.0	000.1000	0055.2	007.6	085.4	004.5000	0152.0	043.3	56.09**	5.07
224.0	000.1000	0054.8	007.6	085.3	004.5000	0151.9	043.2	56.11**	5.13
225.0	000.1000	0054.3	007.6	085.1	004.5000	0151.9	043.1	56.14**	5.18
226.0	000.1000	0053.8	007.5	084.9	004.5000	0151.8	043.1	56.16**	5.23
227.0	000.1000	0053.2	007.5	084.8	004.5000	0151.8	043.0	56.17**	5.26
228.0	000.1000	0052.3	007.4	084.6	004.5000	0151.7	043.0	56.18**	5.28
229.0	000.1000	0051.2	007.3	084.4	004.5000	0151.7	043.0	56.19**	5.29
230.0	000.1000	0049.9	007.2	084.1	004.5000	0151.6	043.0	56.18**	5.26
231.0	000.1000	0048.1	007.1	083.9	004.5000	0151.5	043.1	56.15**	5.20
232.0	000.1000	0045.9	006.9	083.6	004.5000	0151.4	043.1	56.11**	5.12
233.0	000.1000	0043.7	006.7	083.4	004.5000	0151.4	043.2	56.07**	5.02
234.0	000.1000	0041.3	006.6	083.1	004.5000	0151.3	043.3	56.02**	4.90
235.0	000.1000	0038.7	006.3	082.9	004.5000	0151.2	043.5	55.96**	4.76
236.0	000.1000	0036.5	006.2	082.6	004.5000	0151.1	043.6	55.91**	4.64
237.0	000.1000	0035.1	006.0	082.4	004.5000	0151.0	043.6	55.88**	4.57
238.0	000.1000	0034.6	006.0	082.3	004.5000	0151.0	043.6	55.88**	4.57
239.0	000.1000	0034.7	006.0	082.2	004.5000	0150.9	043.6	55.90**	4.62
240.0	000.1000	0034.8	006.0	082.0	004.5000	0150.9	043.5	55.91**	4.65
241.0	000.1000	0035.7	006.1	081.9	004.5000	0150.8	043.4	55.96**	4.75
242.0	000.1000	0037.1	006.2	081.9	004.5000	0150.8	043.3	56.02**	4.90
243.0	000.1000	0039.2	006.4	081.8	004.5000	0150.8	043.1	56.11**	5.09
244.0	000.1000	0041.4	006.6	081.7	004.5000	0150.7	042.9	56.19**	5.28
245.0	000.1000	0043.7	006.7	081.7	004.5000	0150.7	042.7	56.28**	5.49
246.0	000.1000	0046.3	007.0	081.6	004.5000	0150.6	042.4	56.38**	5.72
247.0	000.1000	0048.8	007.2	081.5	004.5000	0150.6	042.2	56.48**	5.94
248.0	000.1000	0050.6	007.3	081.4	004.5000	0150.5	042.0	56.55**	6.10
249.0	000.1000	0051.9	007.4	081.2	004.5000	0150.4	041.9	56.60**	6.21
250.0	000.1000	0052.9	007.5	081.1	004.5000	0150.4	041.8	56.64**	6.30
251.0	000.1000	0054.2	007.6	080.9	004.5000	0150.3	041.7	56.69**	6.41
252.0	000.1000	0055.8	007.7	080.8	004.5000	0150.2	041.6	56.75**	6.54
253.0	000.1000	0057.4	007.8	080.6	004.5000	0150.1	041.4	56.81**	6.66
254.0	000.1000	0059.1	007.9	080.4	004.5000	0150.0	041.3	56.86**	6.78
255.0	000.1000	0060.4	008.0	080.3	004.5000	0149.9	041.2	56.91**	6.87
256.0	000.1000	0061.7	008.1	080.1	004.5000	0149.8	041.1	56.95**	6.96
257.0	000.1000	0063.0	008.2	079.9	004.5000	0149.7	041.0	56.99**	7.05
258.0	000.1000	0064.3	008.3	079.7	004.5000	0149.7	040.9	57.02**	7.12
259.0	000.1000	0065.7	008.4	079.5	004.5000	0149.6	040.8	57.06**	7.21

	260.0	000.1000	0067.1	008.5	079.3	004.5000	0149.5	040.7	57.10**	7.29
	261.0	000.1000	0068.2	008.5	079.1	004.5000	0149.4	040.6	57.12**	7.35
	262.0	000.1000	0069.1	008.6	078.9	004.5000	0149.3	040.6	57.14**	7.38
	263.0	000.1000	0069.7	008.6	078.7	004.5000	0149.2	040.6	57.15**	7.39
	264.0	000.1000	0070.0	008.6	078.4	004.5000	0149.0	040.6	57.14**	7.38
	265.0	000.1000	0070.1	008.6	078.2	004.5000	0148.8	040.6	57.13**	7.35
	266.0	000.1000	0070.1	008.6	078.0	004.5000	0148.7	040.6	57.11**	7.31
	267.0	000.1000	0070.4	008.7	077.8	004.5000	0148.5	040.6	57.10**	7.28
	268.0	000.1000	0070.8	008.7	077.6	004.5000	0148.3	040.6	57.09**	7.26
	269.0	000.1000	0071.1	008.7	077.4	004.5000	0148.2	040.6	57.08**	7.23
	270.0	000.1000	0071.4	008.7	077.1	004.5000	0148.1	040.6	57.07**	7.20
	271.0	000.1000	0072.2	008.8	076.9	004.5000	0147.9	040.6	57.07**	7.20
	272.0	000.1000	0072.9	008.8	076.7	004.5000	0147.8	040.6	57.06**	7.18
	273.0	000.1000	0073.6	008.9	076.5	004.5000	0147.6	040.6	57.05**	7.17
	274.0	000.1000	0074.3	008.9	076.2	004.5000	0147.5	040.6	57.04**	7.14
	275.0	000.1000	0075.1	009.0	076.0	004.5000	0147.3	040.6	57.03**	7.12
	276.0	000.1000	0075.5	009.0	075.8	004.5000	0147.2	040.6	57.01**	7.07
	277.0	000.1000	0076.0	009.0	075.6	004.5000	0147.0	040.7	56.99**	7.02
	278.0	000.1000	0076.6	009.0	075.3	004.5000	0146.8	040.7	56.97**	6.97
	279.0	000.1000	0077.1	009.1	075.1	004.5000	0146.6	040.7	56.94**	6.91
	280.0	000.1000	0077.7	009.1	074.9	004.5000	0146.3	040.7	56.91**	6.84
	281.0	000.1000	0078.2	009.1	074.7	004.5000	0146.1	040.8	56.88**	6.76
	282.0	000.1000	0078.6	009.2	074.5	004.5000	0145.9	040.8	56.84**	6.68
	283.0	000.1000	0078.9	009.2	074.3	004.5000	0145.6	040.9	56.81**	6.60
	284.0	000.1000	0079.2	009.2	074.0	004.5000	0145.5	041.0	56.77**	6.51
	285.0	000.1000	0079.4	009.2	073.8	004.5000	0145.3	041.0	56.73**	6.42
	286.0	000.1000	0079.4	009.2	073.6	004.5000	0145.2	041.1	56.68**	6.32
	287.0	000.1000	0079.2	009.2	073.5	004.5000	0145.1	041.2	56.64**	6.21
	288.0	000.1000	0078.9	009.2	073.3	004.5000	0145.0	041.3	56.58**	6.10
	289.0	000.1000	0078.5	009.2	073.1	004.5000	0144.9	041.4	56.53**	5.98
	290.0	000.1000	0078.2	009.1	073.0	004.5000	0144.9	041.5	56.48**	5.86
	291.0	000.1000	0077.9	009.1	072.8	004.5000	0144.8	041.6	56.43**	5.75
	292.0	000.1000	0077.8	009.1	072.6	004.5000	0144.8	041.7	56.38**	5.64
	293.0	000.1000	0077.9	009.1	072.5	004.5000	0144.8	041.8	56.33**	5.53
	294.0	000.1000	0078.3	009.1	072.3	004.5000	0144.7	041.9	56.29**	5.44
	295.0	000.1000	0078.8	009.2	072.1	004.5000	0144.7	042.0	56.25**	5.35
	296.0	000.1000	0079.3	009.2	071.9	004.5000	0144.7	042.1	56.21**	5.26
	297.0	000.1000	0079.7	009.2	071.7	004.5000	0144.6	042.2	56.17**	5.17
	298.0	000.1000	0080.1	009.3	071.6	004.5000	0144.6	042.3	56.13**	5.07
	299.0	000.1000	0080.4	009.3	071.4	004.5000	0144.6	042.4	56.08**	4.96
	300.0	000.1000	0080.6	009.3	071.2	004.5000	0144.7	042.5	56.03**	4.85
	301.0	000.1000	0080.7	009.3	071.1	004.5000	0144.7	042.6	55.98**	4.74
	302.0	000.1000	0080.8	009.3	070.9	004.5000	0144.7	042.7	55.93**	4.62
	303.0	000.1000	0080.8	009.3	070.8	004.5000	0144.7	042.9	55.87**	4.49
	304.0	000.1000	0080.8	009.3	070.7	004.5000	0144.7	043.0	55.82**	4.37
	305.0	000.1000	0080.7	009.3	070.5	004.5000	0144.7	043.1	55.76**	4.23
	306.0	000.1000	0080.5	009.3	070.4	004.5000	0144.7	043.3	55.70**	4.10
	307.0	000.1000	0080.3	009.3	070.3	004.5000	0144.7	043.4	55.64**	3.95
	308.0	000.1000	0080.0	009.2	070.2	004.5000	0144.7	043.6	55.58**	3.81
	309.0	000.1000	0079.8	009.2	070.1	004.5000	0144.7	043.7	55.52**	3.67
	310.0	000.1000	0079.7	009.2	070.0	004.5000	0144.7	043.8	55.45**	3.52
	311.0	000.1000	0079.7	009.2	069.9	004.5000	0144.7	044.0	55.39**	3.38
	312.0	000.1000	0079.7	009.2	069.8	004.5000	0144.6	044.1	55.33**	3.24
	313.0	000.1000	0079.9	009.2	069.7	004.5000	0144.6	044.3	55.27**	3.09
	314.0	000.1000	0080.1	009.3	069.6	004.5000	0144.6	044.4	55.21**	2.95
	315.0	000.1000	0080.3	009.3	069.5	004.5000	0144.5	044.5	55.15**	2.80
	316.0	000.1000	0080.3	009.3	069.4	004.5000	0144.5	044.7	55.08**	2.65
	317.0	000.1000	0080.2	009.3	069.3	004.5000	0144.4	044.8	55.02**	2.49
	318.0	000.1000	0080.0	009.2	069.3	004.5000	0144.4	045.0	54.95**	2.33
	319.0	000.1000	0079.6	009.2	069.2	004.5000	0144.4	045.1	54.88**	2.17
	320.0	000.1000	0079.2	009.2	069.2	004.5000	0144.3	045.3	54.82**	2.01

Proposed Contour Overlap with WEDW-FM

WBGO
BLED19840508CH
Latitude: 40-45-08 N
Longitude: 073-58-04 W
ERP: 2.50 kW
Channel: 202
Frequency: 88.3 MHz
AMSL Height: 279.5 m
Horiz. Pattern: Directional
Prop Model: FCC

WEDW-FM
BLED19920113KA
Latitude: 41-02-49 N
Longitude: 073-31-36 W
ERP: 2.00 kW
Channel: 203
Frequency: 88.5 MHz
AMSL Height: 127.0 m
Horiz. Pattern: Directional



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02-03-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WEDW-FM BLED19920113KA
Channel = 203A
Max ERP = 2 kW
RCAMSL = 127 M
N. Lat. 41 02 49.0
W. Lng. 73 31 36.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
348.0	002.5000	0251.9	035.5	272.8	001.4814	0069.9	044.4	44.86	
349.0	002.5000	0251.9	035.5	273.0	001.4887	0069.6	043.8	45.06	
350.0	002.5000	0251.2	035.5	273.1	001.4938	0069.4	043.2	45.28	
351.0	002.5000	0250.4	035.4	273.2	001.4978	0069.3	042.6	45.50	
352.0	002.4419	0249.7	035.2	273.1	001.4928	0069.5	041.9	45.75	
353.0	002.3320	0249.3	034.8	272.7	001.4784	0070.0	041.3	46.02	
354.0	002.2271	0248.9	034.4	272.3	001.4633	0070.6	040.6	46.29	
355.0	002.1268	0248.2	034.0	271.8	001.4461	0071.2	040.0	46.56	
356.0	002.0311	0246.5	033.6	271.3	001.4244	0072.3	039.3	46.87	
357.0	001.9397	0245.5	033.2	270.7	001.4038	0073.6	038.7	47.19	
358.0	001.8524	0245.1	032.8	270.2	001.3841	0074.8	038.1	47.50	
359.0	001.7690	0243.4	032.3	269.5	001.3571	0076.3	037.6	47.83	
000.0	001.6894	0241.7	031.8	268.7	001.3284	0078.0	037.0	48.15	
001.0	001.6134	0240.3	031.4	268.0	001.3003	0079.7	036.5	48.46	
002.0	001.5408	0239.3	031.0	267.3	001.2735	0081.3	036.0	48.77	
003.0	001.4714	0238.7	030.6	266.6	001.2471	0082.9	035.5	49.06	
004.0	001.4052	0242.1	030.5	266.3	001.2354	0083.6	034.9	49.32	
005.0	001.3419	0245.5	030.4	266.0	001.2225	0084.3	034.4	49.57	
006.0	001.2815	0249.4	030.3	265.7	001.2106	0085.0	033.9	49.83	
007.0	001.2239	0256.1	030.3	265.6	001.2074	0085.2	033.4	50.08	
008.0	001.1688	0261.1	030.3	265.3	001.1971	0085.8	032.9	50.34	
009.0	001.1162	0265.1	030.2	264.9	001.1824	0086.7	032.4	50.61	
010.0	001.0659	0265.4	029.8	264.1	001.1541	0088.3	032.0	50.87	
011.0	001.0180	0264.0	029.5	263.2	001.1196	0089.9	031.6	51.08	
012.0	000.9722	0261.7	029.0	262.1	001.0821	0091.4	031.3	51.25	
013.0	000.9284	0260.6	028.7	261.2	001.0482	0092.4	030.9	51.39	
014.0	000.8866	0260.2	028.3	260.2	001.0165	0093.1	030.6	51.49	
015.0	000.8467	0260.3	028.0	259.4	000.9827	0093.9	030.3	51.60	
016.0	000.8086	0261.7	027.8	258.5	000.9513	0094.8	030.0	51.74	
017.0	000.7722	0264.1	027.6	257.8	000.9227	0095.8	029.6	51.89	
018.0	000.7375	0266.9	027.5	257.1	000.8950	0097.0	029.3	52.06	
019.0	000.7043	0268.6	027.3	256.2	000.8637	0098.6	029.0	52.23	
020.0	000.6726	0268.6	027.0	255.2	000.8271	0100.5	028.8	52.36	
021.0	000.6423	0267.2	026.6	254.1	000.7874	0102.9	028.6	52.47	
022.0	000.6134	0264.5	026.2	252.9	000.7455	0105.4	028.5	52.52	
023.0	000.5858	0261.9	025.8	251.7	000.7049	0107.8	028.4	52.53	
024.0	000.5594	0260.2	025.5	250.6	000.6677	0110.4	028.3	52.57	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
025.0	000.5342	0259.9	025.2	249.5	000.6345	0113.3	028.2	52.65
026.0	000.5102	0260.7	025.0	248.5	000.6042	0116.1	028.1	52.73
027.0	000.4872	0262.1	024.8	247.6	000.5757	0118.3	027.9	52.76
028.0	000.4653	0263.8	024.6	246.7	000.5481	0119.9	027.8	52.74
029.0	000.4444	0264.9	024.3	245.7	000.5200	0121.1	027.7	52.65
030.0	000.4244	0265.0	024.1	244.7	000.4913	0122.1	027.7	52.49
031.0	000.4127	0264.7	023.9	243.8	000.4662	0122.9	027.6	52.37
032.0	000.4012	0264.8	023.8	242.9	000.4420	0123.4	027.5	52.22
033.0	000.3899	0265.4	023.6	242.0	000.4189	0123.7	027.4	52.07
034.0	000.3787	0266.3	023.5	241.1	000.3966	0124.0	027.3	51.90
035.0	000.3677	0267.3	023.4	240.2	000.3749	0124.2	027.3	51.72
036.0	000.3568	0268.2	023.3	239.3	000.3571	0124.4	027.2	51.56
037.0	000.3461	0269.0	023.1	238.4	000.3406	0124.7	027.2	51.39
038.0	000.3356	0269.8	023.0	237.5	000.3245	0125.1	027.2	51.21
039.0	000.3253	0270.7	022.9	236.6	000.3090	0125.6	027.2	51.02
040.0	000.3151	0271.6	022.7	235.8	000.2939	0126.1	027.2	50.83
041.0	000.3133	0272.5	022.7	234.9	000.2804	0126.5	027.1	50.72
042.0	000.3115	0273.2	022.7	234.1	000.2671	0126.8	027.0	50.58
043.0	000.3098	0273.7	022.7	233.3	000.2539	0126.9	026.9	50.41
044.0	000.3080	0274.0	022.7	232.5	000.2409	0127.0	026.9	50.22
045.0	000.3062	0274.3	022.7	231.6	000.2282	0127.0	026.9	50.01
046.0	000.3028	0274.4	022.6	230.8	000.2157	0127.0	026.9	49.75
047.0	000.3010	0274.5	022.6	229.9	000.2042	0127.0	026.9	49.51
048.0	000.2993	0274.5	022.6	229.1	000.1978	0127.0	026.9	49.36
049.0	000.2976	0274.5	022.5	228.2	000.1916	0127.0	026.9	49.20
050.0	000.2958	0274.8	022.5	227.4	000.1854	0127.0	027.0	49.03
051.0	000.2873	0275.2	022.4	226.6	000.1796	0127.0	027.1	48.79
052.0	000.2789	0275.6	022.2	225.8	000.1739	0127.0	027.3	48.53
053.0	000.2706	0275.9	022.1	225.1	000.1686	0127.0	027.5	48.27
054.0	000.2624	0276.0	021.9	224.3	000.1635	0127.0	027.7	48.00
055.0	000.2544	0276.0	021.8	223.6	000.1587	0127.0	028.0	47.72
056.0	000.2465	0275.9	021.6	222.9	000.1541	0127.0	028.2	47.44
057.0	000.2387	0276.0	021.4	222.3	000.1498	0127.0	028.5	47.17
058.0	000.2310	0276.1	021.3	221.6	000.1456	0127.0	028.7	46.89
059.0	000.2235	0276.2	021.1	221.0	000.1418	0127.0	029.0	46.60
060.0	000.2161	0276.2	020.9	220.5	000.1381	0127.0	029.3	46.32
061.0	000.2117	0276.2	020.8	219.9	000.1344	0127.0	029.5	46.07
062.0	000.2088	0276.3	020.8	219.3	000.1307	0127.0	029.7	45.83
063.0	000.2045	0276.3	020.7	218.7	000.1273	0127.0	029.9	45.58
064.0	000.2016	0276.2	020.6	218.2	000.1239	0127.0	030.2	45.34
065.0	000.1974	0276.1	020.5	217.6	000.1209	0127.0	030.4	45.09
066.0	000.1932	0275.9	020.4	217.2	000.1180	0127.0	030.7	44.83
067.0	000.1904	0275.6	020.3	216.7	000.1152	0127.0	030.9	44.59
068.0	000.1863	0275.4	020.2	216.2	000.1126	0127.0	031.2	44.34
069.0	000.1836	0274.9	020.1	215.8	000.1100	0127.0	031.5	44.10
070.0	000.1796	0274.3	019.9	215.4	000.1079	0127.0	031.8	43.86
071.0	000.1809	0273.5	019.9	214.9	000.1050	0127.0	032.0	43.64
072.0	000.1809	0272.8	019.9	214.4	000.1025	0127.0	032.2	43.42
073.0	000.1823	0272.1	019.9	213.9	000.0998	0127.0	032.4	43.20
074.0	000.1823	0271.2	019.9	213.5	000.0975	0127.0	032.7	42.98
075.0	000.1836	0270.2	019.9	213.0	000.0951	0127.0	032.9	42.75

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
076.0	000.1850	0269.2	019.9	212.6	000.0928	0127.0	033.1	42.53
077.0	000.1850	0268.4	019.9	212.2	000.0908	0127.0	033.4	42.31
078.0	000.1863	0267.7	019.9	211.7	000.0886	0127.0	033.6	42.08
079.0	000.1863	0267.0	019.9	211.4	000.0867	0127.0	033.9	41.86
080.0	000.1877	0266.4	019.9	211.0	000.0847	0127.0	034.2	41.63
081.0	000.1918	0266.2	020.0	210.5	000.0823	0127.0	034.4	41.41
082.0	000.1974	0266.3	020.1	209.9	000.0798	0127.0	034.5	41.19
083.0	000.2016	0266.3	020.2	209.4	000.0786	0127.0	034.8	41.02
084.0	000.2074	0266.7	020.4	208.9	000.0773	0127.0	035.0	40.85
085.0	000.2117	0267.2	020.5	208.4	000.0762	0127.0	035.2	40.68
086.0	000.2161	0267.8	020.6	207.9	000.0751	0127.0	035.4	40.50
087.0	000.2220	0268.2	020.8	207.4	000.0739	0127.0	035.7	40.32
088.0	000.2265	0268.2	020.9	207.0	000.0729	0127.0	035.9	40.13
089.0	000.2326	0268.1	021.0	206.5	000.0719	0127.0	036.2	39.95
090.0	000.2372	0268.0	021.1	206.1	000.0710	0127.0	036.5	39.76
091.0	000.2465	0267.9	021.3	205.6	000.0698	0127.0	036.7	39.57
092.0	000.2560	0267.8	021.5	205.1	000.0687	0127.0	037.0	39.37
093.0	000.2657	0267.7	021.7	204.6	000.0676	0127.0	037.3	39.17
094.0	000.2756	0267.7	021.9	204.1	000.0665	0127.0	037.6	38.97
095.0	000.2856	0267.4	022.0	203.7	000.0656	0127.0	037.9	38.77
096.0	000.2941	0266.7	022.2	203.3	000.0648	0127.0	038.2	38.56
097.0	000.3045	0265.8	022.3	203.0	000.0640	0127.0	038.5	38.36
098.0	000.3151	0264.9	022.5	202.6	000.0632	0127.0	038.9	38.15
099.0	000.3258	0263.7	022.6	202.3	000.0625	0127.0	039.2	37.94
100.0	000.3367	0263.0	022.7	201.9	000.0618	0127.0	039.6	37.73
101.0	000.3553	0262.5	023.0	201.4	000.0608	0127.0	039.9	37.51
102.0	000.3725	0262.1	023.3	201.0	000.0599	0127.0	040.3	37.28
103.0	000.3901	0261.4	023.5	200.6	000.0591	0127.0	040.6	37.06
104.0	000.4080	0260.4	023.7	200.3	000.0583	0127.0	041.0	36.83
105.0	000.4264	0259.4	023.9	199.9	000.0575	0127.0	041.4	36.60
106.0	000.4473	0258.8	024.1	199.5	000.0563	0127.0	041.8	36.33
107.0	000.4687	0258.6	024.4	199.2	000.0550	0127.0	042.2	36.06
108.0	000.4906	0258.5	024.6	198.8	000.0538	0127.0	042.7	35.78

02-03-2009 FCC NGDC 30 Sec Terrain Data

WEDW-FM BLED19920113KA
Channel = 203A
Max ERP = 2 kW
RCAMSL = 127 M
N. Lat. 41 02 49.0
W. Lng. 73 31 36.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
169.0	000.0030	0126.3	004.8	053.4	000.2672	0276.0	047.2	47.48	
170.0	000.0032	0126.8	004.9	053.5	000.2669	0276.0	047.1	47.52	
171.0	000.0035	0127.0	005.0	053.6	000.2661	0276.0	047.0	47.57	
172.0	000.0039	0127.0	005.1	053.6	000.2653	0276.0	046.8	47.61	
173.0	000.0042	0127.0	005.3	053.7	000.2646	0276.0	046.7	47.66	
174.0	000.0046	0127.0	005.4	053.8	000.2640	0276.0	046.6	47.70	
175.0	000.0050	0127.0	005.5	053.9	000.2635	0276.0	046.4	47.75	
176.0	000.0054	0127.0	005.6	053.9	000.2630	0276.0	046.3	47.80	
177.0	000.0058	0127.0	005.7	054.0	000.2626	0276.0	046.1	47.86	
178.0	000.0063	0127.0	005.8	054.0	000.2623	0276.0	046.0	47.91	
179.0	000.0067	0127.0	005.9	054.1	000.2620	0276.0	045.9	47.96	
180.0	000.0072	0127.0	006.0	054.1	000.2617	0276.0	045.7	48.02	
181.0	000.0087	0127.0	006.3	054.3	000.2600	0276.0	045.4	48.10	
182.0	000.0104	0127.0	006.6	054.5	000.2584	0276.0	045.2	48.18	
183.0	000.0122	0127.0	006.9	054.7	000.2570	0276.0	044.9	48.26	
184.0	000.0141	0127.0	007.1	054.8	000.2558	0276.0	044.7	48.34	
185.0	000.0162	0127.0	007.4	055.0	000.2547	0276.0	044.4	48.43	
186.0	000.0184	0126.9	007.6	055.1	000.2538	0276.0	044.2	48.52	
187.0	000.0208	0126.8	007.8	055.2	000.2529	0275.9	043.9	48.61	
188.0	000.0233	0126.8	008.0	055.3	000.2521	0275.9	043.7	48.71	
189.0	000.0260	0126.8	008.3	055.4	000.2513	0275.9	043.4	48.80	
190.0	000.0288	0126.7	008.5	055.5	000.2508	0275.9	043.2	48.90	
191.0	000.0313	0126.1	008.7	055.5	000.2507	0275.9	043.0	49.00	
192.0	000.0338	0125.4	008.8	055.5	000.2507	0275.9	042.7	49.09	
193.0	000.0364	0125.4	009.0	055.5	000.2507	0275.9	042.5	49.19	
194.0	000.0392	0126.0	009.2	055.5	000.2506	0275.9	042.3	49.29	
195.0	000.0420	0126.4	009.3	055.5	000.2507	0275.9	042.0	49.40	
196.0	000.0450	0126.7	009.5	055.4	000.2509	0275.9	041.8	49.50	
197.0	000.0481	0126.9	009.7	055.4	000.2511	0275.9	041.6	49.61	
198.0	000.0512	0127.0	009.8	055.4	000.2515	0275.9	041.3	49.72	
199.0	000.0544	0127.0	010.0	055.3	000.2521	0275.9	041.1	49.82	
200.0	000.0578	0127.0	010.1	055.2	000.2527	0275.9	040.9	49.93	
201.0	000.0599	0127.0	010.2	055.1	000.2538	0276.0	040.7	50.03	
202.0	000.0620	0127.0	010.3	054.9	000.2549	0276.0	040.6	50.12	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	
203.0	000.0641	0127.0	010.4	054.8	000.2561	0276.0	040.4	50.22	
204.0	000.0662	0127.0	010.4	054.6	000.2574	0276.0	040.2	50.31	
205.0	000.0685	0127.0	010.5	054.5	000.2587	0276.0	040.1	50.41	
206.0	000.0707	0127.0	010.6	054.3	000.2601	0276.0	039.9	50.51	
207.0	000.0730	0127.0	010.7	054.1	000.2615	0276.0	039.7	50.60	
208.0	000.0753	0127.0	010.8	053.9	000.2630	0276.0	039.6	50.70	
209.0	000.0776	0127.0	010.9	053.7	000.2646	0276.0	039.4	50.79	
210.0	000.0800	0127.0	010.9	053.5	000.2663	0276.0	039.3	50.89	
211.0	000.0849	0127.0	011.1	053.4	000.2677	0276.0	039.1	51.01	
212.0	000.0899	0127.0	011.2	053.2	000.2691	0275.9	038.9	51.13	
213.0	000.0950	0127.0	011.4	053.0	000.2707	0275.9	038.6	51.25	
214.0	000.1004	0127.0	011.5	052.8	000.2724	0275.9	038.4	51.38	
215.0	000.1058	0127.0	011.7	052.6	000.2742	0275.8	038.2	51.50	
216.0	000.1114	0127.0	011.8	052.3	000.2761	0275.8	038.0	51.62	
217.0	000.1171	0127.0	012.0	052.1	000.2781	0275.7	037.8	51.74	
218.0	000.1230	0127.0	012.1	051.8	000.2802	0275.6	037.6	51.85	
219.0	000.1290	0127.0	012.3	051.6	000.2824	0275.4	037.5	51.97	
220.0	000.1352	0127.0	012.4	051.3	000.2848	0275.3	037.3	52.09	
221.0	000.1415	0127.0	012.5	051.0	000.2872	0275.2	037.1	52.20	
222.0	000.1480	0127.0	012.7	050.7	000.2897	0275.0	036.9	52.32	
223.0	000.1546	0127.0	012.8	050.4	000.2924	0274.9	036.8	52.43	
224.0	000.1613	0127.0	013.0	050.1	000.2952	0274.8	036.6	52.55	
225.0	000.1682	0127.0	013.1	049.7	000.2963	0274.7	036.5	52.63	
226.0	000.1752	0127.0	013.2	049.4	000.2969	0274.6	036.3	52.71	
227.0	000.1824	0127.0	013.4	049.0	000.2975	0274.6	036.2	52.78	
228.0	000.1897	0127.0	013.5	048.7	000.2981	0274.5	036.0	52.86	
229.0	000.1972	0127.0	013.6	048.3	000.2988	0274.5	035.9	52.93	
230.0	000.2048	0127.0	013.7	047.9	000.2994	0274.5	035.8	53.00	
231.0	000.2191	0127.0	014.0	047.5	000.3001	0274.5	035.5	53.11	
232.0	000.2339	0127.0	014.2	047.1	000.3009	0274.5	035.3	53.23	
233.0	000.2492	0126.9	014.4	046.7	000.3016	0274.5	035.1	53.34	
234.0	000.2650	0126.8	014.7	046.2	000.3024	0274.4	034.9	53.45	
235.0	000.2813	0126.4	014.9	045.7	000.3037	0274.4	034.8	53.55	
236.0	000.2980	0125.9	015.1	045.3	000.3054	0274.3	034.6	53.64	
237.0	000.3152	0125.4	015.3	044.8	000.3067	0274.2	034.5	53.73	
238.0	000.3329	0124.9	015.5	044.2	000.3076	0274.1	034.3	53.80	
239.0	000.3511	0124.5	015.7	043.7	000.3085	0274.0	034.2	53.88	
240.0	000.3698	0124.3	015.9	043.2	000.3095	0273.8	034.1	53.95	
241.0	000.3943	0124.0	016.2	042.6	000.3105	0273.5	033.9	54.04**	0.08
242.0	000.4195	0123.7	016.5	042.0	000.3116	0273.2	033.7	54.13**	0.25
243.0	000.4456	0123.3	016.7	041.4	000.3126	0272.8	033.6	54.20**	0.40
244.0	000.4724	0122.7	017.0	040.8	000.3137	0272.3	033.5	54.25**	0.50
245.0	000.5000	0121.8	017.2	040.1	000.3148	0271.8	033.4	54.28**	0.57
246.0	000.5284	0120.8	017.4	039.5	000.3198	0271.2	033.4	54.35**	0.71
247.0	000.5576	0119.4	017.5	039.0	000.3257	0270.6	033.4	54.41**	0.83
248.0	000.5875	0117.4	017.6	038.4	000.3313	0270.1	033.4	54.44**	0.89
249.0	000.6183	0114.9	017.6	037.9	000.3364	0269.7	033.5	54.43**	0.88
250.0	000.6498	0111.9	017.6	037.5	000.3410	0269.4	033.7	54.39**	0.81
251.0	000.6821	0109.3	017.6	037.0	000.3457	0269.0	033.9	54.36**	0.74
252.0	000.7152	0107.2	017.7	036.6	000.3506	0268.7	034.0	54.34**	0.70
253.0	000.7491	0105.2	017.7	036.1	000.3555	0268.3	034.2	54.32**	0.65

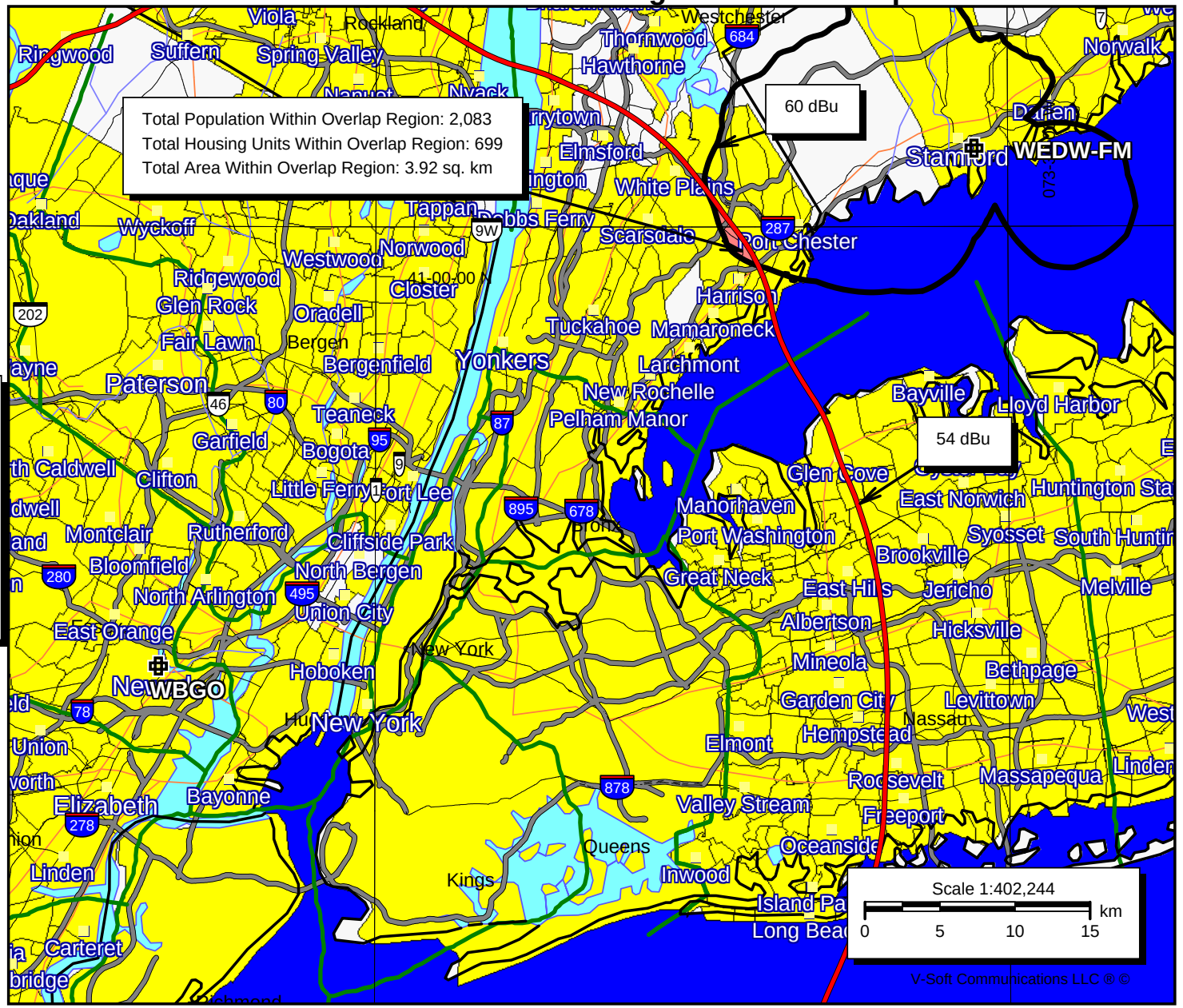
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	
254.0	000.7838	0103.1	017.7	035.7	000.3601	0268.0	034.4	54.27**	0.56
255.0	000.8192	0100.9	017.7	035.3	000.3644	0267.6	034.6	54.22**	0.45
256.0	000.8554	0099.0	017.7	034.9	000.3689	0267.2	034.7	54.17**	0.34
257.0	000.8924	0097.1	017.7	034.5	000.3731	0266.8	034.9	54.10**	0.22
258.0	000.9302	0095.5	017.8	034.1	000.3777	0266.4	035.1	54.05**	0.11
259.0	000.9688	0094.3	017.8	033.7	000.3824	0266.0	035.3	54.01**	0.02
260.0	001.0082	0093.2	017.9	033.2	000.3874	0265.6	035.5	53.97	
261.0	001.0426	0092.5	018.0	032.8	000.3924	0265.2	035.6	53.93	
262.0	001.0775	0091.5	018.1	032.4	000.3967	0264.9	035.9	53.87	
263.0	001.1130	0090.2	018.1	032.1	000.4005	0264.8	036.1	53.80	
264.0	001.1491	0088.6	018.0	031.8	000.4037	0264.7	036.4	53.70	
265.0	001.1858	0086.5	017.9	031.6	000.4059	0264.7	036.7	53.58	
266.0	001.2230	0084.3	017.8	031.4	000.4076	0264.7	037.0	53.45	
267.0	001.2609	0082.1	017.7	031.3	000.4091	0264.7	037.3	53.32	
268.0	001.2993	0079.8	017.6	031.2	000.4101	0264.7	037.6	53.17	
269.0	001.3382	0077.4	017.4	031.2	000.4109	0264.7	038.0	53.02	
270.0	001.3778	0075.2	017.3	031.1	000.4115	0264.7	038.3	52.88	
271.0	001.4146	0072.9	017.1	031.1	000.4118	0264.7	038.6	52.72	
272.0	001.4518	0071.0	017.0	031.0	000.4125	0264.7	039.0	52.58	
273.0	001.4895	0069.6	016.9	030.9	000.4141	0264.8	039.2	52.47	
274.0	001.5278	0068.2	016.9	030.8	000.4154	0264.8	039.5	52.35	
275.0	001.5664	0066.8	016.8	030.7	000.4167	0264.8	039.8	52.23	
276.0	001.6056	0066.3	016.9	030.4	000.4194	0264.9	040.1	52.15	
277.0	001.6453	0065.7	016.9	030.2	000.4221	0265.0	040.3	52.07	
278.0	001.6854	0064.8	016.9	030.0	000.4239	0265.0	040.6	51.96	
279.0	001.7261	0063.9	016.9	029.9	000.4263	0265.1	040.9	51.86	
280.0	001.7672	0062.9	016.9	029.8	000.4287	0265.1	041.2	51.76	
281.0	001.7860	0061.7	016.7	029.8	000.4283	0265.1	041.5	51.62	
282.0	001.8050	0060.6	016.6	029.8	000.4283	0265.1	041.8	51.48	
283.0	001.8240	0059.8	016.6	029.8	000.4289	0265.1	042.1	51.36	
284.0	001.8432	0058.9	016.5	029.8	000.4292	0265.1	042.4	51.23	
285.0	001.8625	0057.6	016.4	029.8	000.4274	0265.1	042.7	51.07	
286.0	001.8818	0055.7	016.1	030.1	000.4235	0265.0	043.0	50.89	
287.0	001.9013	0053.3	015.7	030.4	000.4192	0264.9	043.4	50.69	
288.0	001.9208	0051.0	015.4	030.8	000.4148	0264.8	043.7	50.49	
289.0	001.9405	0048.9	015.1	031.1	000.4111	0264.7	044.1	50.31	

Existing Contour Overlap with WEDW-FM

WBGO
BLED19840508CH
Latitude: 40-44-11 N
Longitude: 074-10-15 W
ERP: 4.50 kW
Channel: 202
Frequency: 88.3 MHz
AMSL Height: 165.0 m
Horiz. Pattern: Omni

WEDW-FM
BLED19920113KA
Latitude: 41-02-49 N
Longitude: 073-31-36 W
ERP: 2.00 kW
Channel: 203
Frequency: 88.5 MHz
AMSL Height: 127.0 m
Horiz. Pattern: Directional
Prop Model: FCC

Doug Vernier
721 West 1st Street, Suite A
Cedar Falls, Iowa 50613
Telecommunications Consultants



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 4.5 kW
RCAMSL = 165 M
N. Lat. 40 44 11.0
W. Lng. 74 10 15.0
Protected
60 dBu

WEDW-FM BLED19920113KA
Channel = 203A
Max ERP = 2 kW
RCAMSL = 127 M
N. Lat. 41 02 49.0
W. Lng. 73 31 36.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
357.0	004.5000	0113.8	028.1	263.6	001.1360	0089.2	055.9	41.36	
358.0	004.5000	0116.3	028.4	263.9	001.1443	0088.8	055.4	41.55	
359.0	004.5000	0118.8	028.6	264.1	001.1523	0088.4	054.8	41.74	
000.0	004.5000	0120.3	028.8	264.2	001.1563	0088.2	054.3	41.93	
001.0	004.5000	0121.9	029.0	264.3	001.1598	0088.0	053.8	42.11	
002.0	004.5000	0123.7	029.1	264.4	001.1637	0087.8	053.3	42.30	
003.0	004.5000	0126.2	029.4	264.6	001.1702	0087.4	052.8	42.49	
004.0	004.5000	0128.7	029.6	264.7	001.1765	0087.1	052.2	42.69	
005.0	004.5000	0131.3	029.9	264.9	001.1828	0086.7	051.7	42.88	
006.0	004.5000	0133.4	030.1	265.0	001.1870	0086.4	051.1	43.08	
007.0	004.5000	0134.6	030.2	265.0	001.1876	0086.4	050.6	43.27	
008.0	004.5000	0135.4	030.3	265.0	001.1859	0086.5	050.0	43.47	
009.0	004.5000	0136.0	030.3	264.9	001.1830	0086.7	049.5	43.66	
010.0	004.5000	0137.1	030.4	264.9	001.1815	0086.8	049.0	43.86	
011.0	004.5000	0138.4	030.6	264.9	001.1807	0086.8	048.4	44.05	
012.0	004.5000	0139.7	030.7	264.8	001.1794	0086.9	047.9	44.25	
013.0	004.5000	0140.8	030.8	264.8	001.1768	0087.1	047.3	44.45	
014.0	004.5000	0141.7	030.9	264.6	001.1726	0087.3	046.8	44.65	
015.0	004.5000	0142.3	031.0	264.5	001.1666	0087.7	046.3	44.85	
016.0	004.5000	0142.5	031.0	264.3	001.1587	0088.1	045.8	45.06	
017.0	004.5000	0142.7	031.0	264.0	001.1499	0088.6	045.3	45.25	
018.0	004.5000	0142.8	031.0	263.8	001.1402	0089.0	044.8	45.45	
019.0	004.5000	0142.8	031.0	263.5	001.1294	0089.5	044.3	45.63	
020.0	004.5000	0142.4	031.0	263.1	001.1163	0090.0	043.8	45.81	
021.0	004.5000	0141.3	030.9	262.6	001.1000	0090.7	043.4	45.98	
022.0	004.5000	0139.9	030.7	262.1	001.0815	0091.4	043.0	46.12	
023.0	004.5000	0138.6	030.6	261.6	001.0632	0092.0	042.6	46.25	
024.0	004.5000	0137.7	030.5	261.1	001.0461	0092.5	042.2	46.39	
025.0	004.5000	0137.0	030.4	260.6	001.0293	0092.8	041.8	46.51	
026.0	004.5000	0136.3	030.4	260.1	001.0123	0093.1	041.4	46.63	
027.0	004.5000	0135.9	030.3	259.6	000.9937	0093.6	041.0	46.75	
028.0	004.5000	0135.9	030.3	259.2	000.9753	0094.1	040.6	46.88	
029.0	004.5000	0136.3	030.3	258.7	000.9585	0094.6	040.2	47.03	
030.0	004.5000	0137.4	030.5	258.3	000.9433	0095.1	039.7	47.20	
031.0	004.5000	0139.0	030.6	258.0	000.9301	0095.5	039.2	47.40	
032.0	004.5000	0140.9	030.8	257.7	000.9170	0096.0	038.7	47.60	
033.0	004.5000	0142.5	031.0	257.2	000.9018	0096.6	038.2	47.80	
034.0	004.5000	0143.6	031.1	256.8	000.8840	0097.5	037.7	47.98	
035.0	004.5000	0144.7	031.2	256.3	000.8655	0098.5	037.3	48.18	
036.0	004.5000	0146.0	031.3	255.8	000.8470	0099.4	036.8	48.37	
037.0	004.5000	0147.5	031.5	255.2	000.8280	0100.4	036.4	48.57	
038.0	004.5000	0148.9	031.6	254.7	000.8083	0101.6	035.9	48.76	
039.0	004.5000	0150.1	031.8	254.1	000.7872	0102.9	035.5	48.96	
040.0	004.5000	0151.2	031.9	253.5	000.7647	0104.3	035.1	49.14	
041.0	004.5000	0151.9	032.0	252.8	000.7406	0105.7	034.7	49.28	
042.0	004.5000	0152.5	032.0	252.0	000.7155	0107.1	034.4	49.41	
043.0	004.5000	0153.0	032.1	251.2	000.6897	0108.8	034.1	49.53	
044.0	004.5000	0153.3	032.1	250.4	000.6631	0110.7	033.8	49.65	
045.0	004.5000	0153.4	032.1	249.6	000.6358	0113.2	033.5	49.77	
046.0	004.5000	0153.1	032.1	248.7	000.6076	0115.8	033.3	49.86	
047.0	004.5000	0152.6	032.1	247.7	000.5792	0118.0	033.2	49.88	
048.0	004.5000	0152.2	032.0	246.8	000.5511	0119.7	033.0	49.85	
049.0	004.5000	0151.8	032.0	245.8	000.5237	0121.0	032.9	49.77	
050.0	004.5000	0151.4	031.9	244.9	000.4967	0121.9	032.8	49.65	
051.0	004.5000	0151.0	031.9	243.9	000.4701	0122.8	032.7	49.51	
052.0	004.5000	0150.8	031.9	243.0	000.4444	0123.3	032.6	49.35	

053.0	004.5000	0150.9	031.9	242.0	000.4194	0123.7	032.5	49.17
054.0	004.5000	0150.8	031.9	241.0	000.3948	0124.0	032.5	48.96
055.0	004.5000	0150.4	031.8	240.0	000.3708	0124.3	032.5	48.71
056.0	004.5000	0149.7	031.7	239.1	000.3521	0124.5	032.5	48.48
057.0	004.5000	0148.6	031.6	238.1	000.3343	0124.9	032.6	48.23
058.0	004.5000	0147.1	031.5	237.1	000.3172	0125.3	032.8	47.95
059.0	004.5000	0145.1	031.2	236.2	000.3009	0125.8	033.0	47.64
060.0	004.5000	0143.0	031.0	235.3	000.2856	0126.3	033.2	47.31
061.0	004.5000	0141.3	030.9	234.4	000.2709	0126.7	033.5	47.00
062.0	004.5000	0140.2	030.7	233.5	000.2568	0126.9	033.7	46.69
063.0	004.5000	0139.8	030.7	232.6	000.2431	0127.0	033.8	46.39
064.0	004.5000	0139.7	030.7	231.7	000.2296	0127.0	033.9	46.09
065.0	004.5000	0140.2	030.7	230.8	000.2164	0127.0	034.0	45.79
066.0	004.5000	0141.0	030.8	229.9	000.2041	0127.0	034.1	45.51
067.0	004.5000	0142.0	030.9	229.0	000.1971	0127.0	034.1	45.33
068.0	004.5000	0143.2	031.1	228.1	000.1902	0127.0	034.2	45.14
069.0	004.5000	0144.2	031.2	227.2	000.1835	0127.0	034.3	44.94
070.0	004.5000	0144.7	031.2	226.3	000.1773	0127.0	034.4	44.71
071.0	004.5000	0144.7	031.2	225.5	000.1715	0127.0	034.7	44.45
072.0	004.5000	0144.7	031.2	224.7	000.1659	0127.0	034.9	44.19
073.0	004.5000	0144.9	031.2	223.9	000.1604	0127.0	035.2	43.93
074.0	004.5000	0145.4	031.3	223.1	000.1550	0127.0	035.4	43.67
075.0	004.5000	0146.4	031.4	222.2	000.1494	0127.0	035.6	43.41
076.0	004.5000	0147.3	031.5	221.4	000.1441	0127.0	035.8	43.15
077.0	004.5000	0148.0	031.5	220.6	000.1392	0127.0	036.1	42.87
078.0	004.5000	0148.6	031.6	219.9	000.1344	0127.0	036.4	42.58
079.0	004.5000	0149.4	031.7	219.1	000.1298	0127.0	036.7	42.30
080.0	004.5000	0149.8	031.7	218.4	000.1256	0127.0	037.0	42.00
081.0	004.5000	0150.3	031.8	217.7	000.1215	0127.0	037.3	41.70
082.0	004.5000	0150.9	031.9	217.1	000.1175	0127.0	037.7	41.39
083.0	004.5000	0151.2	031.9	216.4	000.1139	0127.0	038.0	41.09
084.0	004.5000	0151.6	031.9	215.8	000.1105	0127.0	038.4	40.78
085.0	004.5000	0151.9	032.0	215.3	000.1073	0127.0	038.8	40.46
086.0	004.5000	0152.2	032.0	214.7	000.1042	0127.0	039.2	40.15
087.0	004.5000	0152.5	032.0	214.2	000.1013	0127.0	039.7	39.84
088.0	004.5000	0152.9	032.1	213.7	000.0985	0127.0	040.1	39.52
089.0	004.5000	0153.1	032.1	213.2	000.0959	0127.0	040.5	39.21
090.0	004.5000	0153.4	032.1	212.7	000.0935	0127.0	041.0	38.90
091.0	004.5000	0153.7	032.2	212.3	000.0912	0127.0	041.5	38.59
092.0	004.5000	0153.9	032.2	211.8	000.0890	0127.0	041.9	38.28
093.0	004.5000	0154.2	032.2	211.4	000.0870	0127.0	042.4	37.97
094.0	004.5000	0154.4	032.2	211.1	000.0851	0127.0	042.9	37.67
095.0	004.5000	0154.8	032.3	210.7	000.0833	0127.0	043.4	37.36
096.0	004.5000	0155.3	032.3	210.3	000.0814	0127.0	043.9	37.06
097.0	004.5000	0155.9	032.4	209.9	000.0798	0127.0	044.4	36.77
098.0	004.5000	0156.5	032.5	209.6	000.0790	0127.0	044.9	36.52
099.0	004.5000	0157.2	032.5	209.2	000.0782	0127.0	045.4	36.26
100.0	004.5000	0158.1	032.6	208.9	000.0773	0127.0	045.9	36.01
101.0	004.5000	0159.1	032.8	208.5	000.0765	0127.0	046.4	35.76
102.0	004.5000	0160.1	032.9	208.2	000.0758	0127.0	046.9	35.51
103.0	004.5000	0160.7	032.9	207.9	000.0751	0127.0	047.4	35.26
104.0	004.5000	0161.2	033.0	207.7	000.0746	0127.0	048.0	35.01
105.0	004.5000	0161.6	033.0	207.5	000.0742	0127.0	048.5	34.77
106.0	004.5000	0161.8	033.0	207.4	000.0738	0127.0	049.1	34.53
107.0	004.5000	0161.9	033.0	207.2	000.0735	0127.0	049.7	34.29
108.0	004.5000	0161.8	033.0	207.1	000.0732	0127.0	050.2	34.06
109.0	004.5000	0161.7	033.0	207.0	000.0731	0127.0	050.8	33.82
110.0	004.5000	0161.6	033.0	207.0	000.0729	0127.0	051.4	33.59
111.0	004.5000	0161.5	033.0	206.9	000.0728	0127.0	052.0	33.36
112.0	004.5000	0161.4	033.0	206.9	000.0727	0127.0	052.5	33.12
113.0	004.5000	0161.4	033.0	206.8	000.0726	0127.0	053.1	32.89
114.0	004.5000	0161.5	033.0	206.8	000.0725	0127.0	053.7	32.66
115.0	004.5000	0161.5	033.0	206.8	000.0724	0127.0	054.3	32.44
116.0	004.5000	0161.8	033.0	206.7	000.0723	0127.0	054.8	32.21
117.0	004.5000	0162.3	033.1	206.7	000.0722	0127.0	055.4	31.98

Channel = 203A
Max ERP = 2 kW
RCAMSL = 127 M
N. Lat. 41 02 49.0
W. Lng. 73 31 36.0
Protected
60 dBu

Channel = 202B1
Max ERP = 4.5 kW
RCAMSL = 165 M
N. Lat. 40 44 11.0
W. Lng. 74 10 15.0
Interfering
54 dBu

Existing Contour Overlap with WBGO License (See below)

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
178.0	000.0063	0127.0	005.8	062.0	004.5000	0140.2	061.5	48.41	
179.0	000.0067	0127.0	005.9	062.0	004.5000	0140.2	061.3	48.46	
180.0	000.0072	0127.0	006.0	062.1	004.5000	0140.2	061.2	48.51	
181.0	000.0087	0127.0	006.3	062.3	004.5000	0140.1	061.0	48.59	
182.0	000.0104	0127.0	006.6	062.4	004.5000	0140.0	060.7	48.66	
183.0	000.0122	0127.0	006.9	062.6	004.5000	0139.9	060.5	48.74	
184.0	000.0141	0127.0	007.1	062.7	004.5000	0139.8	060.3	48.82	
185.0	000.0162	0127.0	007.4	062.9	004.5000	0139.8	060.0	48.90	
186.0	000.0184	0126.9	007.6	063.0	004.5000	0139.8	059.8	48.98	
187.0	000.0208	0126.8	007.8	063.1	004.5000	0139.7	059.6	49.07	
188.0	000.0233	0126.8	008.0	063.2	004.5000	0139.7	059.3	49.16	
189.0	000.0260	0126.8	008.3	063.3	004.5000	0139.7	059.1	49.24	
190.0	000.0288	0126.7	008.5	063.4	004.5000	0139.7	058.8	49.33	
191.0	000.0313	0126.1	008.7	063.4	004.5000	0139.7	058.6	49.41	
192.0	000.0338	0125.4	008.8	063.5	004.5000	0139.7	058.4	49.49	
193.0	000.0364	0125.4	009.0	063.5	004.5000	0139.6	058.2	49.57	
194.0	000.0392	0126.0	009.2	063.5	004.5000	0139.6	057.9	49.66	
195.0	000.0420	0126.4	009.3	063.6	004.5000	0139.6	057.7	49.75	
196.0	000.0450	0126.7	009.5	063.6	004.5000	0139.7	057.5	49.84	
197.0	000.0481	0126.9	009.7	063.6	004.5000	0139.7	057.2	49.92	
198.0	000.0512	0127.0	009.8	063.6	004.5000	0139.7	057.0	50.01	
199.0	000.0544	0127.0	010.0	063.6	004.5000	0139.6	056.8	50.09	
200.0	000.0578	0127.0	010.1	063.6	004.5000	0139.6	056.6	50.18	
201.0	000.0599	0127.0	010.2	063.5	004.5000	0139.7	056.4	50.25	
202.0	000.0620	0127.0	010.3	063.4	004.5000	0139.7	056.2	50.32	
203.0	000.0641	0127.0	010.4	063.3	004.5000	0139.7	056.0	50.39	
204.0	000.0662	0127.0	010.4	063.2	004.5000	0139.7	055.8	50.46	
205.0	000.0685	0127.0	010.5	063.1	004.5000	0139.7	055.7	50.53	
206.0	000.0707	0127.0	010.6	063.0	004.5000	0139.7	055.5	50.59	
207.0	000.0730	0127.0	010.7	062.9	004.5000	0139.8	055.3	50.66	
208.0	000.0753	0127.0	010.8	062.8	004.5000	0139.8	055.1	50.73	
209.0	000.0776	0127.0	010.9	062.7	004.5000	0139.8	055.0	50.80	
210.0	000.0800	0127.0	010.9	062.6	004.5000	0139.9	054.8	50.87	
211.0	000.0849	0127.0	011.1	062.5	004.5000	0139.9	054.6	50.96	
212.0	000.0899	0127.0	011.2	062.4	004.5000	0140.0	054.3	51.05	
213.0	000.0950	0127.0	011.4	062.3	004.5000	0140.0	054.1	51.14	
214.0	000.1004	0127.0	011.5	062.2	004.5000	0140.1	053.9	51.23	
215.0	000.1058	0127.0	011.7	062.1	004.5000	0140.1	053.6	51.32	
216.0	000.1114	0127.0	011.8	062.0	004.5000	0140.2	053.4	51.41	
217.0	000.1171	0127.0	012.0	061.8	004.5000	0140.3	053.2	51.50	
218.0	000.1230	0127.0	012.1	061.7	004.5000	0140.4	053.0	51.59	
219.0	000.1290	0127.0	012.3	061.6	004.5000	0140.6	052.8	51.68	
220.0	000.1352	0127.0	012.4	061.4	004.5000	0140.8	052.6	51.77	
221.0	000.1415	0127.0	012.5	061.2	004.5000	0141.0	052.4	51.87	
222.0	000.1480	0127.0	012.7	061.1	004.5000	0141.2	052.1	51.96	
223.0	000.1546	0127.0	012.8	060.9	004.5000	0141.5	051.9	52.05	
224.0	000.1613	0127.0	013.0	060.7	004.5000	0141.8	051.8	52.14	
225.0	000.1682	0127.0	013.1	060.5	004.5000	0142.1	051.6	52.23	
226.0	000.1752	0127.0	013.2	060.3	004.5000	0142.5	051.4	52.32	
227.0	000.1824	0127.0	013.4	060.1	004.5000	0142.9	051.2	52.42	
228.0	000.1897	0127.0	013.5	059.8	004.5000	0143.3	051.0	52.51	
229.0	000.1972	0127.0	013.6	059.6	004.5000	0143.8	050.8	52.60	
230.0	000.2048	0127.0	013.7	059.4	004.5000	0144.3	050.7	52.70	
231.0	000.2191	0127.0	014.0	059.1	004.5000	0144.8	050.4	52.83	
232.0	000.2339	0127.0	014.2	058.9	004.5000	0145.3	050.1	52.96	
233.0	000.2492	0126.9	014.4	058.7	004.5000	0145.9	049.9	53.09	
234.0	000.2650	0126.8	014.7	058.4	004.5000	0146.4	049.6	53.21	
235.0	000.2813	0126.4	014.9	058.1	004.5000	0147.0	049.4	53.33	
236.0	000.2980	0125.9	015.1	057.8	004.5000	0147.4	049.2	53.44	

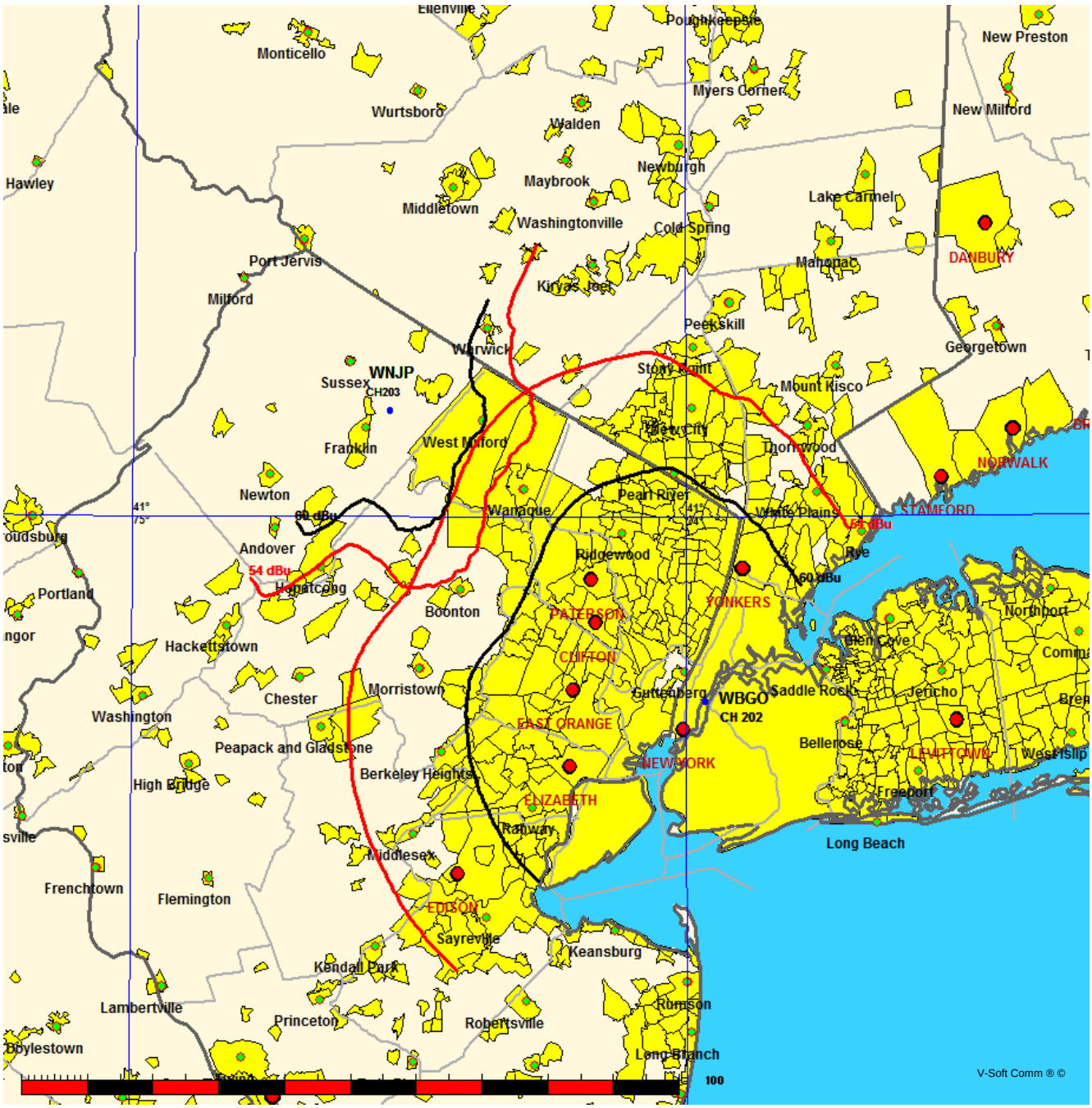
237.0	000.3152	0125.4	015.3	057.5	004.5000	0147.9	049.0	53.54		
238.0	000.3329	0124.9	015.5	057.2	004.5000	0148.3	048.8	53.64		
239.0	000.3511	0124.5	015.7	056.9	004.5000	0148.7	048.6	53.74		
240.0	000.3698	0124.3	015.9	056.5	004.5000	0149.1	048.4	53.84		
241.0	000.3943	0124.0	016.2	056.2	004.5000	0149.5	048.1	53.96		
242.0	000.4195	0123.7	016.5	055.8	004.5000	0149.8	047.9	54.07**	0.18	
243.0	000.4456	0123.3	016.7	055.4	004.5000	0150.1	047.6	54.17**	0.44	
244.0	000.4724	0122.7	017.0	055.0	004.5000	0150.4	047.5	54.26**	0.66	
245.0	000.5000	0121.8	017.2	054.7	004.5000	0150.6	047.3	54.33**	0.85	
246.0	000.5284	0120.8	017.4	054.2	004.5000	0150.7	047.2	54.39**	0.99	
247.0	000.5576	0119.4	017.5	053.8	004.5000	0150.8	047.1	54.43**	1.09	
248.0	000.5875	0117.4	017.6	053.5	004.5000	0150.9	047.1	54.44**	1.12	
249.0	000.6183	0114.9	017.6	053.1	004.5000	0150.9	047.1	54.42**	1.08	
250.0	000.6498	0111.9	017.6	052.7	004.5000	0150.8	047.2	54.38**	0.98	
251.0	000.6821	0109.3	017.6	052.4	004.5000	0150.8	047.3	54.35**	0.89	
252.0	000.7152	0107.2	017.7	052.0	004.5000	0150.8	047.4	54.32**	0.81	
253.0	000.7491	0105.2	017.7	051.6	004.5000	0150.8	047.4	54.29**	0.75	
254.0	000.7838	0103.1	017.7	051.3	004.5000	0150.9	047.5	54.26**	0.66	
255.0	000.8192	0100.9	017.7	050.9	004.5000	0151.0	047.7	54.21**	0.54	
256.0	000.8554	0099.0	017.7	050.6	004.5000	0151.1	047.8	54.17**	0.44	
257.0	000.8924	0097.1	017.7	050.3	004.5000	0151.3	047.9	54.13**	0.33	
258.0	000.9302	0095.5	017.8	049.9	004.5000	0151.4	048.0	54.09**	0.24	
259.0	000.9688	0094.3	017.8	049.5	004.5000	0151.6	048.1	54.07**	0.17	
260.0	001.0082	0093.2	017.9	049.2	004.5000	0151.7	048.2	54.04**	0.10	
261.0	001.0426	0092.5	018.0	048.8	004.5000	0151.9	048.3	54.01**	0.03	
262.0	001.0775	0091.5	018.1	048.5	004.5000	0152.0	048.4	53.97		
263.0	001.1130	0090.2	018.1	048.2	004.5000	0152.1	048.6	53.91		
264.0	001.1491	0088.6	018.0	047.9	004.5000	0152.2	048.8	53.84		
265.0	001.1858	0086.5	017.9	047.6	004.5000	0152.3	049.0	53.74		
266.0	001.2230	0084.3	017.8	047.4	004.5000	0152.4	049.3	53.64		
267.0	001.2609	0082.1	017.7	047.2	004.5000	0152.5	049.6	53.53		
268.0	001.2993	0079.8	017.6	047.1	004.5000	0152.6	049.9	53.42		
269.0	001.3382	0077.4	017.4	046.9	004.5000	0152.7	050.2	53.30		
270.0	001.3778	0075.2	017.3	046.8	004.5000	0152.8	050.5	53.19		
271.0	001.4146	0072.9	017.1	046.6	004.5000	0152.8	050.9	53.07		
272.0	001.4518	0071.0	017.0	046.5	004.5000	0152.9	051.2	52.95		
273.0	001.4895	0069.6	016.9	046.3	004.5000	0153.0	051.4	52.86		
274.0	001.5278	0068.2	016.9	046.1	004.5000	0153.1	051.7	52.76		
275.0	001.5664	0066.8	016.8	046.0	004.5000	0153.1	051.9	52.67		
276.0	001.6056	0066.3	016.9	045.7	004.5000	0153.2	052.1	52.60		
277.0	001.6453	0065.7	016.9	045.5	004.5000	0153.3	052.3	52.53		
278.0	001.6854	0064.8	016.9	045.3	004.5000	0153.4	052.6	52.44		
279.0	001.7261	0063.9	016.9	045.1	004.5000	0153.4	052.8	52.34		
280.0	001.7672	0062.9	016.9	044.9	004.5000	0153.4	053.0	52.25		
281.0	001.7860	0061.7	016.7	044.9	004.5000	0153.4	053.4	52.13		
282.0	001.8050	0060.6	016.6	044.8	004.5000	0153.4	053.7	52.02		
283.0	001.8240	0059.8	016.6	044.7	004.5000	0153.4	053.9	51.91		
284.0	001.8432	0058.9	016.5	044.6	004.5000	0153.4	054.2	51.80		
285.0	001.8625	0057.6	016.4	044.6	004.5000	0153.4	054.5	51.68		
286.0	001.8818	0055.7	016.1	044.6	004.5000	0153.4	054.9	51.54		
287.0	001.9013	0053.3	015.7	044.8	004.5000	0153.4	055.3	51.38		
288.0	001.9208	0051.0	015.4	045.0	004.5000	0153.4	055.7	51.22		
289.0	001.9405	0048.9	015.1	045.2	004.5000	0153.4	056.1	51.08		
290.0	001.9602	0047.6	014.9	045.2	004.5000	0153.4	056.4	50.96		
291.0	001.9642	0047.0	014.8	045.2	004.5000	0153.4	056.7	50.86		
292.0	001.9681	0046.4	014.7	045.2	004.5000	0153.4	057.0	50.76		
293.0	001.9721	0046.0	014.6	045.1	004.5000	0153.4	057.2	50.66		
294.0	001.9761	0045.6	014.6	045.1	004.5000	0153.4	057.5	50.56		
295.0	001.9801	0045.2	014.5	045.1	004.5000	0153.4	057.7	50.47		
296.0	001.9840	0044.6	014.4	045.1	004.5000	0153.4	058.0	50.37		
297.0	001.9880	0043.4	014.2	045.2	004.5000	0153.4	058.3	50.26		
298.0	001.9920	0041.7	013.9	045.4	004.5000	0153.4	058.6	50.14		

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 10.99 km, Out= 0.11 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WNJP CH 203 A DA BLED19980729KC
Lat= 41 08 37.0, Lng= 74 32 18.0
0.45 kW 194 M HAAT, 454 M COR
Prot.= 60 dBu, Intef.= 54 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WNJP BLED19980729KC
Channel = 203A
Max ERP = 0.45 kW
RCAMSL = 454 M
N. Lat. 41 08 37.0
W. Lng. 74 32 18.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
252.0	002.5000	0272.9	036.8	166.6	000.4500	0146.1	056.4	40.58	
253.0	002.5000	0272.6	036.8	166.6	000.4500	0146.1	055.8	40.82	
254.0	002.5000	0272.2	036.7	166.6	000.4500	0146.1	055.1	41.06	
255.0	002.5000	0272.0	036.7	166.6	000.4500	0146.1	054.5	41.31	
256.0	002.5000	0271.6	036.7	166.6	000.4500	0146.1	053.9	41.55	
257.0	002.5000	0271.1	036.7	166.6	000.4500	0146.1	053.2	41.80	
258.0	002.5000	0270.4	036.6	166.5	000.4500	0146.2	052.6	42.06	
259.0	002.5000	0269.3	036.6	166.4	000.4500	0146.4	051.9	42.31	
260.0	002.5000	0268.1	036.5	166.3	000.4500	0146.6	051.3	42.57	
261.0	002.5000	0267.1	036.4	166.2	000.4500	0146.8	050.7	42.82	
262.0	002.5000	0266.5	036.4	166.1	000.4500	0146.9	050.0	43.07	
263.0	002.5000	0266.2	036.4	166.0	000.4500	0147.1	049.4	43.33	
264.0	002.5000	0266.1	036.4	165.9	000.4500	0147.2	048.8	43.58	
265.0	002.5000	0265.8	036.4	165.8	000.4500	0147.4	048.2	43.83	
266.0	002.5000	0265.6	036.4	165.6	000.4500	0147.5	047.5	44.08	
267.0	002.5000	0265.1	036.3	165.5	000.4500	0147.6	046.9	44.33	
268.0	002.5000	0264.5	036.3	165.3	000.4500	0147.5	046.3	44.58	
269.0	002.5000	0263.9	036.3	165.0	000.4500	0147.2	045.7	44.81	
270.0	002.5000	0262.6	036.2	164.7	000.4500	0146.6	045.1	45.03	
271.0	002.5000	0261.3	036.1	164.4	000.4500	0146.0	044.5	45.24	
272.0	002.5000	0260.0	036.0	164.1	000.4500	0145.5	043.9	45.46	
273.0	002.5000	0258.9	036.0	163.7	000.4500	0145.2	043.4	45.69	
274.0	002.5000	0258.5	035.9	163.4	000.4500	0145.0	042.8	45.93	
275.0	002.5000	0258.5	035.9	163.1	000.4500	0144.8	042.2	46.18	
276.0	002.4305	0258.4	035.7	162.5	000.4500	0144.9	041.7	46.40	
277.0	002.3571	0258.3	035.5	161.9	000.4500	0145.5	041.2	46.65	
278.0	002.2896	0258.1	035.2	161.2	000.4500	0145.9	040.8	46.87	
279.0	002.2184	0257.8	035.0	160.5	000.4500	0145.7	040.4	47.05	
280.0	002.1530	0257.4	034.7	159.7	000.4448	0144.9	039.9	47.15	
281.0	002.0771	0257.3	034.4	158.9	000.4302	0144.0	039.6	47.12	
282.0	002.0026	0257.2	034.1	158.1	000.4155	0143.5	039.2	47.11	
283.0	001.9294	0257.0	033.8	157.2	000.4005	0144.7	038.9	47.16	
284.0	001.8576	0256.8	033.5	156.4	000.3852	0148.3	038.6	47.33	
285.0	001.7872	0256.7	033.2	155.5	000.3702	0152.9	038.4	47.54	
286.0	001.7181	0256.8	032.9	154.6	000.3553	0155.9	038.1	47.63	
287.0	001.6504	0257.3	032.6	153.7	000.3407	0156.3	037.9	47.59	
288.0	001.5840	0257.9	032.3	152.8	000.3263	0155.3	037.7	47.45	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
289.0	001.5191	0258.6	032.1	151.8	000.3121	0153.9	037.5	47.27
290.0	001.4554	0259.3	031.8	150.9	000.2980	0153.7	037.3	47.14
291.0	001.4474	0259.8	031.8	150.3	000.2881	0155.0	037.0	47.23
292.0	001.4394	0260.2	031.7	149.6	000.2798	0156.8	036.6	47.37
293.0	001.4315	0260.7	031.7	148.9	000.2725	0158.3	036.3	47.50
294.0	001.4236	0261.1	031.7	148.1	000.2650	0158.4	036.0	47.53
295.0	001.4156	0261.3	031.7	147.4	000.2573	0157.1	035.7	47.47
296.0	001.4078	0261.4	031.6	146.6	000.2495	0155.0	035.5	47.35
297.0	001.3999	0261.6	031.6	145.8	000.2416	0152.5	035.2	47.19
298.0	001.3920	0261.8	031.6	145.0	000.2338	0150.4	035.0	47.05
299.0	001.3842	0262.1	031.6	144.1	000.2260	0149.4	034.8	46.95
300.0	001.3764	0262.3	031.5	143.3	000.2181	0149.8	034.6	46.93
301.0	001.3999	0262.5	031.7	142.5	000.2111	0150.7	034.2	47.01
302.0	001.4236	0262.3	031.8	141.7	000.2040	0150.9	033.9	47.03
303.0	001.4474	0262.0	031.9	140.9	000.1966	0149.9	033.6	46.95
304.0	001.4715	0261.7	032.0	140.0	000.1892	0148.3	033.4	46.83
305.0	001.4958	0261.6	032.1	139.2	000.1841	0146.8	033.1	46.75
306.0	001.5202	0261.7	032.3	138.3	000.1789	0145.4	032.8	46.67
307.0	001.5449	0261.8	032.4	137.3	000.1737	0143.7	032.6	46.57
308.0	001.5697	0262.0	032.5	136.4	000.1685	0141.8	032.4	46.44
309.0	001.5948	0262.3	032.7	135.4	000.1632	0140.3	032.1	46.31
310.0	001.6201	0262.5	032.8	134.4	000.1579	0139.5	032.0	46.22
311.0	001.6716	0262.6	033.1	133.4	000.1526	0138.6	031.7	46.16
312.0	001.7239	0262.4	033.3	132.4	000.1472	0137.1	031.4	46.04
313.0	001.7770	0262.4	033.5	131.3	000.1417	0135.8	031.2	45.92
314.0	001.8310	0262.5	033.8	130.2	000.1362	0135.6	031.0	45.85
315.0	001.8857	0262.7	034.0	129.1	000.1390	0135.9	030.8	46.06
316.0	001.9413	0262.6	034.2	127.9	000.1439	0135.1	030.6	46.24
317.0	001.9976	0262.3	034.4	126.8	000.1490	0133.0	030.5	46.32
318.0	002.0548	0262.1	034.6	125.6	000.1543	0130.3	030.4	46.34
319.0	002.1128	0262.0	034.8	124.4	000.1597	0126.8	030.4	46.30
320.0	002.1716	0261.9	035.0	123.2	000.1653	0123.5	030.3	46.26
321.0	002.2043	0261.6	035.1	122.0	000.1707	0121.6	030.4	46.23
322.0	002.2373	0261.3	035.2	120.9	000.1761	0120.9	030.5	46.25
323.0	002.2658	0261.4	035.3	119.7	000.1808	0121.2	030.7	46.31
324.0	002.2992	0261.8	035.5	118.6	000.1828	0121.7	030.8	46.32
325.0	002.3329	0262.2	035.6	117.4	000.1847	0121.7	031.0	46.29
326.0	002.3668	0262.2	035.7	116.3	000.1867	0121.3	031.1	46.21
327.0	002.4010	0261.9	035.8	115.2	000.1885	0120.7	031.4	46.08
328.0	002.4305	0261.3	035.9	114.2	000.1903	0119.8	031.7	45.92
329.0	002.4651	0260.6	035.9	113.2	000.1921	0118.8	032.0	45.74
330.0	002.5000	0260.1	036.0	112.2	000.1938	0117.6	032.3	45.54
331.0	002.5000	0259.8	036.0	111.4	000.1953	0117.2	032.7	45.35
332.0	002.5000	0259.7	036.0	110.6	000.1968	0117.3	033.1	45.19
333.0	002.5000	0259.6	036.0	109.8	000.1996	0117.2	033.5	45.04
334.0	002.5000	0259.4	036.0	109.0	000.2056	0117.1	034.0	44.94
335.0	002.5000	0259.0	036.0	108.3	000.2113	0117.1	034.4	44.84
336.0	002.5000	0258.4	035.9	107.7	000.2167	0117.0	034.9	44.72
337.0	002.5000	0257.5	035.9	107.1	000.2217	0116.9	035.4	44.57
338.0	002.5000	0256.6	035.8	106.5	000.2265	0116.6	035.9	44.40
339.0	002.5000	0255.7	035.8	105.9	000.2311	0116.5	036.5	44.23

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
340.0	002.5000	0255.1	035.7	105.4	000.2356	0116.3	037.0	44.07
341.0	002.5000	0254.8	035.7	104.9	000.2402	0116.2	037.5	43.90
342.0	002.5000	0254.5	035.7	104.4	000.2445	0116.3	038.0	43.75
343.0	002.5000	0253.9	035.6	103.9	000.2484	0116.8	038.6	43.61
344.0	002.5000	0252.9	035.6	103.6	000.2519	0117.6	039.1	43.47
345.0	002.5000	0252.2	035.5	103.2	000.2552	0118.3	039.7	43.32
346.0	002.5000	0252.0	035.5	102.8	000.2588	0118.8	040.2	43.17
347.0	002.5000	0251.9	035.5	102.4	000.2623	0119.2	040.8	43.01
348.0	002.5000	0251.9	035.5	102.0	000.2657	0119.3	041.4	42.83
349.0	002.5000	0251.9	035.5	101.7	000.2688	0119.2	041.9	42.63
350.0	002.5000	0251.2	035.5	101.4	000.2712	0119.0	042.5	42.41
351.0	002.5000	0250.4	035.4	101.2	000.2734	0118.8	043.1	42.18
352.0	002.4419	0249.7	035.2	101.2	000.2734	0118.8	043.8	41.90
353.0	002.3320	0249.3	034.8	101.4	000.2714	0119.0	044.5	41.59
354.0	002.2271	0248.9	034.4	101.6	000.2694	0119.2	045.2	41.29
355.0	002.1268	0248.2	034.0	101.9	000.2670	0119.3	045.9	40.98
356.0	002.0311	0246.5	033.6	102.2	000.2639	0119.3	046.5	40.65
357.0	001.9397	0245.5	033.2	102.5	000.2612	0119.1	047.2	40.33
358.0	001.8524	0245.1	032.8	102.8	000.2589	0118.8	047.9	40.01
359.0	001.7690	0243.4	032.3	103.1	000.2556	0118.3	048.6	39.67
000.0	001.6894	0241.7	031.8	103.5	000.2523	0117.7	049.2	39.32
001.0	001.6134	0240.3	031.4	103.9	000.2492	0117.0	049.8	38.98
002.0	001.5408	0239.3	031.0	104.2	000.2465	0116.5	050.5	38.66
003.0	001.4714	0238.7	030.6	104.5	000.2439	0116.2	051.1	38.36
004.0	001.4052	0242.1	030.5	104.5	000.2437	0116.2	051.6	38.15
005.0	001.3419	0245.5	030.4	104.5	000.2434	0116.2	052.2	37.93
006.0	001.2815	0249.4	030.3	104.5	000.2433	0116.2	052.7	37.71
007.0	001.2239	0256.1	030.3	104.4	000.2445	0116.3	053.2	37.54
008.0	001.1688	0261.1	030.3	104.4	000.2447	0116.3	053.7	37.34
009.0	001.1162	0265.1	030.2	104.4	000.2443	0116.2	054.3	37.12
010.0	001.0659	0265.4	029.8	104.7	000.2419	0116.1	054.8	36.86
011.0	001.0180	0264.0	029.5	105.0	000.2388	0116.2	055.4	36.59
012.0	000.9722	0261.7	029.0	105.5	000.2352	0116.3	055.9	36.33

01-30-2009 FCC NGDC 30 Sec Terrain Data

WNJP BLED19980729KC
Channel = 203A
Max ERP = 0.45 kW
RCAMSL = 454 M
N. Lat. 41 08 37.0
W. Lng. 74 32 18.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
072.0	000.4500	0078.1	013.2	323.5	002.2816	0261.6	059.3	51.48	
073.0	000.4500	0077.6	013.1	323.4	002.2781	0261.6	059.1	51.55	
074.0	000.4500	0077.1	013.1	323.3	002.2743	0261.5	058.9	51.62	
075.0	000.4500	0077.7	013.1	323.2	002.2728	0261.5	058.7	51.70	
076.0	000.4500	0077.9	013.1	323.1	002.2705	0261.5	058.5	51.78	
077.0	000.4500	0079.0	013.2	323.1	002.2700	0261.5	058.2	51.88	
078.0	000.4500	0080.4	013.3	323.1	002.2700	0261.5	058.0	51.98	
079.0	000.4500	0081.7	013.4	323.1	002.2699	0261.5	057.7	52.08	
080.0	000.4500	0083.7	013.6	323.2	002.2711	0261.5	057.4	52.19	
081.0	000.4500	0087.5	013.9	323.3	002.2762	0261.6	057.1	52.34	
082.0	000.4500	0090.7	014.2	323.4	002.2798	0261.6	056.7	52.48	
083.0	000.4500	0093.1	014.4	323.5	002.2813	0261.6	056.4	52.61	
084.0	000.4500	0094.2	014.4	323.4	002.2797	0261.6	056.2	52.71	
085.0	000.4500	0093.7	014.4	323.2	002.2740	0261.5	056.0	52.78	
086.0	000.4500	0092.5	014.3	323.0	002.2665	0261.5	055.8	52.82	
087.0	000.4500	0091.4	014.2	322.8	002.2603	0261.4	055.7	52.87	
088.0	000.4500	0092.4	014.3	322.7	002.2580	0261.4	055.4	52.97	
089.0	000.4500	0093.4	014.4	322.6	002.2555	0261.4	055.2	53.06	
090.0	000.4500	0094.3	014.5	322.5	002.2526	0261.3	054.9	53.15	
091.0	000.4317	0095.0	014.4	322.3	002.2459	0261.3	054.8	53.20	
092.0	000.4139	0097.8	014.4	322.2	002.2424	0261.3	054.5	53.28	
093.0	000.3964	0101.2	014.5	322.1	002.2398	0261.3	054.3	53.38	
094.0	000.3792	0104.5	014.6	322.0	002.2365	0261.4	054.0	53.48	
095.0	000.3625	0107.3	014.6	321.8	002.2312	0261.4	053.8	53.55	
096.0	000.3461	0108.7	014.6	321.6	002.2230	0261.4	053.7	53.59	
097.0	000.3301	0110.6	014.5	321.3	002.2155	0261.5	053.6	53.64	
098.0	000.3145	0112.7	014.5	321.1	002.2080	0261.5	053.4	53.68	
099.0	000.2993	0114.8	014.4	320.9	002.2001	0261.6	053.3	53.72	
100.0	000.2844	0116.8	014.4	320.6	002.1920	0261.7	053.2	53.76	
101.0	000.2750	0118.6	014.3	320.4	002.1848	0261.8	053.0	53.80	
102.0	000.2658	0119.3	014.3	320.1	002.1761	0261.9	052.9	53.83	
103.0	000.2568	0118.5	014.1	319.8	002.1605	0261.9	052.9	53.80	
104.0	000.2479	0116.7	013.9	319.5	002.1394	0261.9	053.0	53.74	
105.0	000.2391	0116.2	013.7	319.1	002.1212	0262.0	052.9	53.71	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
106.0	000.2306	0116.5	013.6	318.9	002.1049	0262.0	052.9	53.69
107.0	000.2221	0116.8	013.5	318.6	002.0886	0262.0	052.9	53.67
108.0	000.2139	0117.1	013.4	318.3	002.0725	0262.1	052.9	53.65
109.0	000.2058	0117.1	013.2	318.0	002.0559	0262.1	052.8	53.62
110.0	000.1978	0117.3	013.1	317.7	002.0398	0262.2	052.8	53.59
111.0	000.1960	0117.2	013.1	317.5	002.0262	0262.2	052.8	53.59
112.0	000.1942	0117.4	013.1	317.3	002.0129	0262.3	052.7	53.60
113.0	000.1925	0118.5	013.1	317.1	002.0008	0262.3	052.6	53.62
114.0	000.1907	0119.6	013.1	316.8	001.9884	0262.4	052.5	53.64
115.0	000.1890	0120.6	013.1	316.6	001.9757	0262.5	052.3	53.66
116.0	000.1872	0121.1	013.1	316.4	001.9625	0262.5	052.3	53.67
117.0	000.1855	0121.6	013.1	316.1	001.9490	0262.6	052.2	53.67
118.0	000.1837	0121.7	013.1	315.9	001.9352	0262.6	052.1	53.66
119.0	000.1820	0121.6	013.1	315.6	001.9211	0262.7	052.1	53.64
120.0	000.1803	0121.1	013.0	315.4	001.9068	0262.7	052.1	53.61
121.0	000.1755	0120.9	012.9	315.1	001.8921	0262.7	052.1	53.56
122.0	000.1708	0121.6	012.9	314.9	001.8781	0262.7	052.1	53.53
123.0	000.1661	0123.2	012.9	314.6	001.8647	0262.6	052.1	53.51
124.0	000.1615	0125.7	012.9	314.4	001.8518	0262.6	052.0	53.51
125.0	000.1569	0128.7	012.9	314.1	001.8390	0262.5	051.9	53.52
126.0	000.1524	0131.2	013.0	313.9	001.8258	0262.5	051.9	53.51
127.0	000.1480	0133.5	013.0	313.7	001.8125	0262.5	051.8	53.50
128.0	000.1437	0135.2	013.0	313.4	001.7990	0262.4	051.8	53.47
129.0	000.1394	0135.9	012.9	313.2	001.7854	0262.4	051.9	53.42
130.0	000.1351	0135.7	012.8	312.9	001.7718	0262.4	051.9	53.35
131.0	000.1401	0135.7	012.9	312.7	001.7588	0262.4	051.8	53.36
132.0	000.1452	0136.5	013.1	312.4	001.7455	0262.4	051.7	53.39
133.0	000.1503	0138.0	013.3	312.2	001.7319	0262.4	051.5	53.44
134.0	000.1556	0139.0	013.4	311.9	001.7178	0262.4	051.3	53.47
135.0	000.1609	0139.9	013.6	311.6	001.7035	0262.5	051.2	53.49
136.0	000.1663	0141.1	013.8	311.3	001.6887	0262.5	051.0	53.52
137.0	000.1719	0143.0	014.0	311.0	001.6733	0262.6	050.8	53.56
138.0	000.1775	0144.9	014.2	310.7	001.6574	0262.6	050.6	53.60
139.0	000.1832	0146.5	014.4	310.4	001.6413	0262.6	050.5	53.62
140.0	000.1890	0148.2	014.6	310.1	001.6246	0262.6	050.3	53.64
141.0	000.1976	0150.1	014.9	309.7	001.6134	0262.5	050.1	53.70
142.0	000.2065	0151.0	015.1	309.4	001.6046	0262.4	049.9	53.75
143.0	000.2156	0150.2	015.3	309.1	001.5963	0262.3	049.8	53.74
144.0	000.2248	0149.4	015.4	308.7	001.5878	0262.2	049.8	53.74
145.0	000.2343	0150.5	015.6	308.3	001.5784	0262.1	049.6	53.77
146.0	000.2439	0153.3	016.0	307.9	001.5676	0262.0	049.4	53.84
147.0	000.2537	0156.2	016.4	307.5	001.5564	0261.9	049.1	53.91
148.0	000.2638	0158.3	016.7	307.0	001.5454	0261.8	048.9	53.95
149.0	000.2740	0158.1	016.8	306.6	001.5357	0261.8	048.9	53.94
150.0	000.2844	0155.7	016.9	306.3	001.5278	0261.7	049.0	53.88
151.0	000.2993	0153.7	017.0	305.9	001.5188	0261.7	049.0	53.84
152.0	000.3145	0154.2	017.2	305.5	001.5078	0261.6	048.9	53.85
153.0	000.3301	0155.7	017.5	305.0	001.4958	0261.6	048.8	53.87
154.0	000.3461	0156.4	017.8	304.5	001.4843	0261.6	048.7	53.88
155.0	000.3625	0154.8	017.9	304.1	001.4750	0261.7	048.7	53.83
156.0	000.3792	0150.2	017.8	303.9	001.4688	0261.8	049.0	53.72

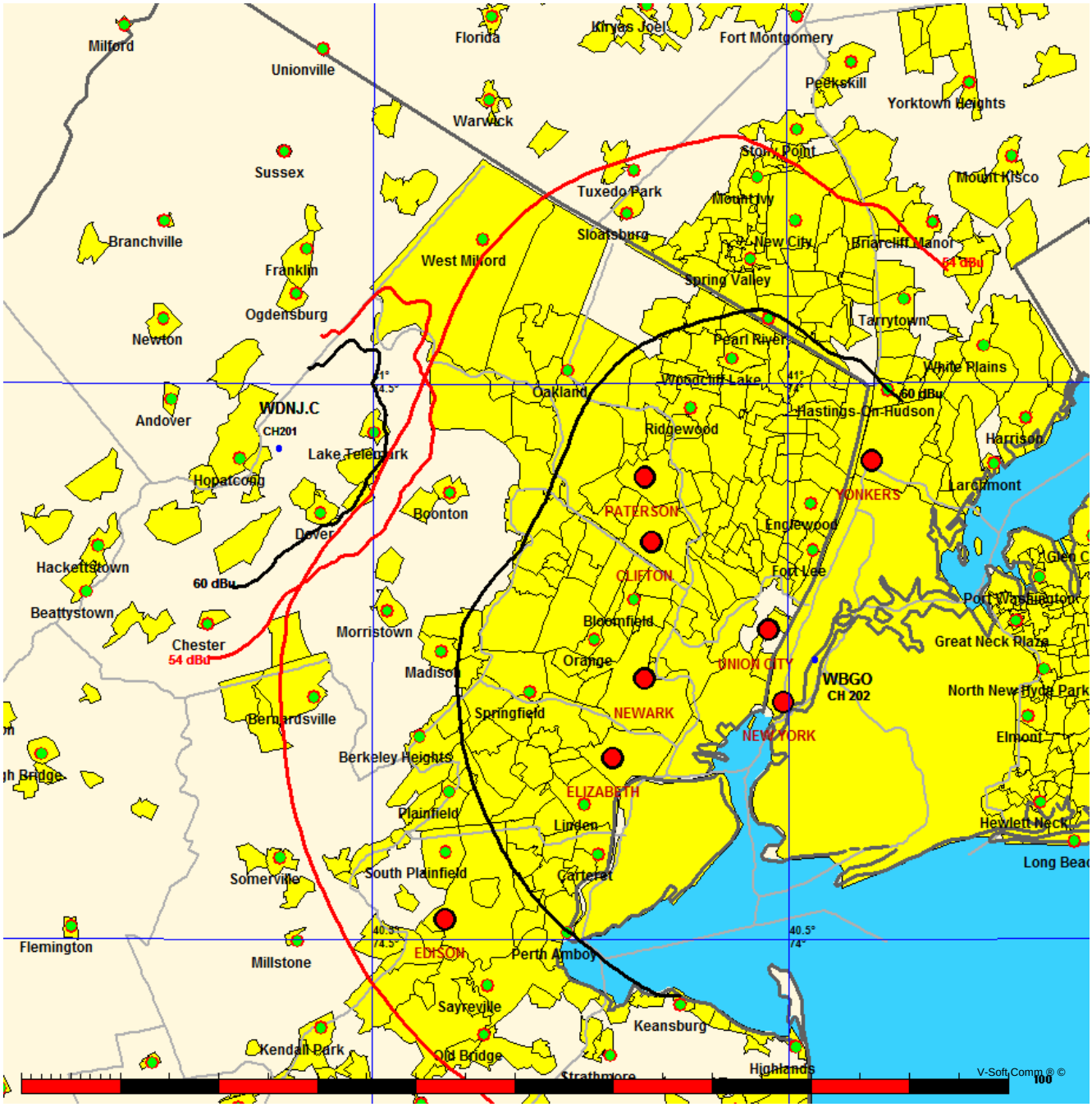
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
157.0	000.3964	0145.4	017.7	303.7	001.4632	0261.8	049.2	53.60
158.0	000.4139	0143.5	017.8	303.3	001.4549	0261.9	049.3	53.53
159.0	000.4317	0144.1	018.0	302.9	001.4439	0262.1	049.3	53.51
160.0	000.4500	0145.2	018.3	302.4	001.4323	0262.2	049.3	53.49
161.0	000.4500	0145.9	018.4	302.0	001.4246	0262.3	049.5	53.40
162.0	000.4500	0145.4	018.3	301.8	001.4185	0262.4	049.7	53.29
163.0	000.4500	0144.7	018.3	301.5	001.4128	0262.4	049.9	53.18
164.0	000.4500	0145.5	018.3	301.2	001.4054	0262.5	050.1	53.09
165.0	000.4500	0147.2	018.5	300.9	001.3971	0262.5	050.3	53.00
166.0	000.4500	0147.1	018.4	300.6	001.3911	0262.4	050.5	52.89
167.0	000.4500	0145.3	018.3	300.5	001.3876	0262.4	050.8	52.75
168.0	000.4500	0143.0	018.2	300.4	001.3850	0262.4	051.1	52.61
169.0	000.4500	0143.9	018.2	300.1	001.3783	0262.3	051.3	52.50
170.0	000.4500	0145.1	018.3	299.8	001.3781	0262.3	051.5	52.42
171.0	000.4500	0144.5	018.3	299.6	001.3796	0262.2	051.8	52.32
172.0	000.4500	0144.0	018.2	299.4	001.3810	0262.2	052.1	52.21
173.0	000.4500	0143.1	018.2	299.3	001.3822	0262.2	052.4	52.09
174.0	000.4500	0141.8	018.1	299.1	001.3831	0262.1	052.7	51.97
175.0	000.4500	0141.2	018.0	299.0	001.3843	0262.1	053.0	51.86
176.0	000.4500	0139.3	017.9	298.9	001.3848	0262.1	053.3	51.72
177.0	000.4500	0133.8	017.5	299.1	001.3834	0262.1	053.8	51.53
178.0	000.4500	0128.3	017.1	299.3	001.3820	0262.2	054.2	51.34
179.0	000.4500	0121.9	016.7	299.5	001.3799	0262.2	054.7	51.14
180.0	000.4500	0116.4	016.3	299.8	001.3782	0262.3	055.2	50.96
181.0	000.4500	0110.9	015.8	300.0	001.3772	0262.3	055.6	50.77
182.0	000.4500	0107.2	015.5	300.2	001.3808	0262.4	056.0	50.63
183.0	000.4500	0103.6	015.2	300.3	001.3839	0262.4	056.4	50.49
184.0	000.4500	0101.0	015.0	300.4	001.3858	0262.4	056.7	50.36
185.0	000.4500	0099.9	014.9	300.4	001.3852	0262.4	057.0	50.25
186.0	000.4500	0098.9	014.8	300.3	001.3843	0262.4	057.2	50.14
187.0	000.4500	0097.0	014.7	300.4	001.3852	0262.4	057.5	50.03
188.0	000.4500	0094.8	014.5	300.4	001.3869	0262.4	057.8	49.92
189.0	000.4500	0092.6	014.3	300.5	001.3885	0262.4	058.1	49.81
190.0	000.4500	0092.2	014.3	300.5	001.3873	0262.4	058.4	49.71
191.0	000.4500	0091.9	014.3	300.4	001.3858	0262.4	058.6	49.61
192.0	000.4500	0091.0	014.2	300.4	001.3857	0262.4	058.9	49.51

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 11.69 km, Out= 0.2 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WDNJ-C CH 201 A DA BNPED19991104AAH
Lat= 40 56 25.0, Lng= 74 36 48.0
0.5 kW 118 M HAAT, 384 M COR
Prot.= 60 dBu, Intef.= 54 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WDNJ-C BNPED19991104AAH
Channel = 201A
Max ERP = 0.5 kW
RCAMSL = 384 M
N. Lat. 40 56 25.0
W. Lng. 74 36 48.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
231.0	002.5000	0277.6	037.1	149.8	000.0202	0165.1	051.1	30.10	
232.0	002.5000	0277.7	037.1	149.9	000.0202	0164.9	050.5	30.33	
233.0	002.5000	0277.7	037.1	150.0	000.0202	0164.6	049.9	30.57	
234.0	002.5000	0277.7	037.1	150.1	000.0203	0164.5	049.2	30.83	
235.0	002.5000	0277.5	037.1	150.2	000.0204	0164.3	048.6	31.08	
236.0	002.5000	0277.2	037.0	150.2	000.0204	0164.2	047.9	31.34	
237.0	002.5000	0276.7	037.0	150.2	000.0204	0164.2	047.3	31.60	
238.0	002.5000	0276.1	037.0	150.2	000.0204	0164.2	046.6	31.85	
239.0	002.5000	0275.5	036.9	150.2	000.0204	0164.2	046.0	32.12	
240.0	002.5000	0275.0	036.9	150.2	000.0204	0164.3	045.4	32.38	
241.0	002.5000	0274.5	036.9	150.2	000.0204	0164.3	044.7	32.65	
242.0	002.5000	0274.2	036.9	150.1	000.0203	0164.4	044.1	32.92	
243.0	002.5000	0273.9	036.8	150.1	000.0203	0164.5	043.4	33.20	
244.0	002.5000	0273.8	036.8	150.0	000.0202	0164.7	042.8	33.47	
245.0	002.5000	0273.7	036.8	149.9	000.0202	0164.9	042.1	33.77	
246.0	002.5000	0273.8	036.8	149.9	000.0202	0165.1	041.5	34.07	
247.0	002.5000	0273.8	036.8	149.8	000.0202	0165.3	040.9	34.38	
248.0	002.5000	0273.9	036.8	149.6	000.0202	0165.6	040.2	34.69	
249.0	002.5000	0273.8	036.8	149.5	000.0202	0165.9	039.6	35.00	
250.0	002.5000	0273.6	036.8	149.3	000.0202	0166.3	038.9	35.33	
251.0	002.5000	0273.3	036.8	149.1	000.0202	0166.9	038.3	35.66	
252.0	002.5000	0272.9	036.8	148.9	000.0202	0167.4	037.7	35.99	
253.0	002.5000	0272.6	036.8	148.6	000.0202	0168.0	037.1	36.32	
254.0	002.5000	0272.2	036.7	148.3	000.0202	0168.7	036.5	36.66	
255.0	002.5000	0272.0	036.7	148.0	000.0202	0169.4	035.8	37.01	
256.0	002.5000	0271.6	036.7	147.7	000.0202	0170.2	035.2	37.36	
257.0	002.5000	0271.1	036.7	147.3	000.0202	0171.2	034.6	37.71	
258.0	002.5000	0270.4	036.6	146.9	000.0202	0172.4	034.1	38.08	
259.0	002.5000	0269.3	036.6	146.3	000.0202	0174.0	033.5	38.45	
260.0	002.5000	0268.1	036.5	145.8	000.0202	0175.8	032.9	38.84	
261.0	002.5000	0267.1	036.4	145.2	000.0202	0178.0	032.4	39.24	
262.0	002.5000	0266.5	036.4	144.7	000.0202	0180.1	031.8	39.63	
263.0	002.5000	0266.2	036.4	144.1	000.0202	0181.9	031.3	40.02	
264.0	002.5000	0266.1	036.4	143.5	000.0202	0183.4	030.7	40.40	
265.0	002.5000	0265.8	036.4	142.9	000.0202	0184.1	030.2	40.74	
266.0	002.5000	0265.6	036.4	142.2	000.0202	0184.2	029.6	41.06	
267.0	002.5000	0265.1	036.3	141.5	000.0202	0183.7	029.1	41.35	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
268.0	002.5000	0264.5	036.3	140.7	000.0202	0182.9	028.6	41.62
269.0	002.5000	0263.9	036.3	139.8	000.0202	0181.9	028.2	41.88
270.0	002.5000	0262.6	036.2	138.9	000.0202	0181.1	027.7	42.13
271.0	002.5000	0261.3	036.1	137.9	000.0202	0180.6	027.3	42.38
272.0	002.5000	0260.0	036.0	136.8	000.0202	0180.0	026.9	42.61
273.0	002.5000	0258.9	036.0	135.8	000.0202	0179.0	026.5	42.83
274.0	002.5000	0258.5	035.9	134.7	000.0202	0178.6	026.1	43.09
275.0	002.5000	0258.5	035.9	133.6	000.0202	0179.7	025.7	43.42
276.0	002.4305	0258.4	035.7	132.2	000.0202	0182.3	025.5	43.68
277.0	002.3571	0258.3	035.5	130.8	000.0202	0184.8	025.4	43.90
278.0	002.2896	0258.1	035.2	129.3	000.0202	0187.8	025.2	44.14
279.0	002.2184	0257.8	035.0	127.8	000.0202	0189.4	025.1	44.26
280.0	002.1530	0257.4	034.7	126.3	000.0202	0188.1	025.1	44.25
281.0	002.0771	0257.3	034.4	124.8	000.0202	0186.4	025.1	44.17
282.0	002.0026	0257.2	034.1	123.3	000.0202	0184.9	025.1	44.08
283.0	001.9294	0257.0	033.8	121.8	000.0202	0183.9	025.2	43.98
284.0	001.8576	0256.8	033.5	120.3	000.0202	0184.4	025.3	43.92
285.0	001.7872	0256.7	033.2	118.8	000.0202	0185.7	025.4	43.88
286.0	001.7181	0256.8	032.9	117.4	000.0202	0186.7	025.6	43.81
287.0	001.6504	0257.3	032.6	116.0	000.0202	0187.0	025.8	43.70
288.0	001.5840	0257.9	032.3	114.7	000.0202	0186.6	026.0	43.55
289.0	001.5191	0258.6	032.1	113.4	000.0202	0185.6	026.2	43.35
290.0	001.4554	0259.3	031.8	112.2	000.0202	0184.5	026.5	43.13
291.0	001.4474	0259.8	031.8	111.0	000.0202	0182.8	026.4	43.06
292.0	001.4394	0260.2	031.7	109.8	000.0204	0180.2	026.5	42.97
293.0	001.4315	0260.7	031.7	108.6	000.0217	0177.4	026.5	43.07
294.0	001.4236	0261.1	031.7	107.4	000.0230	0175.5	026.6	43.17
295.0	001.4156	0261.3	031.7	106.2	000.0243	0175.0	026.7	43.32
296.0	001.4078	0261.4	031.6	105.1	000.0256	0174.3	026.8	43.43
297.0	001.3999	0261.6	031.6	103.9	000.0269	0172.5	027.0	43.46
298.0	001.3920	0261.8	031.6	102.8	000.0282	0171.0	027.1	43.49
299.0	001.3842	0262.1	031.6	101.7	000.0296	0170.2	027.3	43.53
300.0	001.3764	0262.3	031.5	100.6	000.0309	0169.3	027.5	43.55
301.0	001.3999	0262.5	031.7	099.5	000.0326	0168.5	027.5	43.70
302.0	001.4236	0262.3	031.8	098.3	000.0346	0167.9	027.6	43.85
303.0	001.4474	0262.0	031.9	097.2	000.0366	0167.6	027.8	44.00
304.0	001.4715	0261.7	032.0	096.0	000.0386	0167.0	027.9	44.10
305.0	001.4958	0261.6	032.1	094.9	000.0406	0165.8	028.1	44.15
306.0	001.5202	0261.7	032.3	093.8	000.0427	0164.6	028.3	44.19
307.0	001.5449	0261.8	032.4	092.7	000.0449	0161.7	028.5	44.11
308.0	001.5697	0262.0	032.5	091.6	000.0470	0158.7	028.7	44.01
309.0	001.5948	0262.3	032.7	090.5	000.0492	0155.7	028.9	43.88
310.0	001.6201	0262.5	032.8	089.5	000.0516	0152.7	029.2	43.76
311.0	001.6716	0262.6	033.1	088.3	000.0547	0149.1	029.3	43.67
312.0	001.7239	0262.4	033.3	087.2	000.0578	0146.6	029.6	43.62
313.0	001.7770	0262.4	033.5	086.1	000.0609	0144.1	029.8	43.54
314.0	001.8310	0262.5	033.8	085.0	000.0641	0141.4	030.1	43.44
315.0	001.8857	0262.7	034.0	083.9	000.0673	0138.8	030.4	43.31
316.0	001.9413	0262.6	034.2	082.9	000.0704	0136.9	030.7	43.20
317.0	001.9976	0262.3	034.4	081.9	000.0734	0133.3	031.1	42.95
318.0	002.0548	0262.1	034.6	081.0	000.0763	0129.2	031.5	42.66

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
319.0	002.1128	0262.0	034.8	080.1	000.0793	0126.1	031.9	42.42
320.0	002.1716	0261.9	035.0	079.2	000.0828	0123.0	032.3	42.20
321.0	002.2043	0261.6	035.1	078.6	000.0856	0121.4	032.8	42.00
322.0	002.2373	0261.3	035.2	077.9	000.0884	0120.6	033.3	41.84
323.0	002.2658	0261.4	035.3	077.3	000.0911	0119.6	033.8	41.66
324.0	002.2992	0261.8	035.5	076.7	000.0939	0118.4	034.3	41.46
325.0	002.3329	0262.2	035.6	076.1	000.0965	0117.5	034.8	41.28
326.0	002.3668	0262.2	035.7	075.5	000.0990	0117.1	035.4	41.11
327.0	002.4010	0261.9	035.8	075.1	000.1011	0117.0	035.9	40.93
328.0	002.4305	0261.3	035.9	074.7	000.1029	0116.8	036.5	40.73
329.0	002.4651	0260.6	035.9	074.3	000.1047	0116.5	037.1	40.51
330.0	002.5000	0260.1	036.0	073.9	000.1064	0116.3	037.7	40.30
331.0	002.5000	0259.8	036.0	073.7	000.1074	0116.1	038.3	40.05
332.0	002.5000	0259.7	036.0	073.6	000.1083	0116.0	038.9	39.80
333.0	002.5000	0259.6	036.0	073.4	000.1091	0115.8	039.5	39.55
334.0	002.5000	0259.4	036.0	073.2	000.1098	0115.7	040.1	39.30
335.0	002.5000	0259.0	036.0	073.1	000.1103	0115.7	040.7	39.05
336.0	002.5000	0258.4	035.9	073.1	000.1107	0115.6	041.4	38.79
337.0	002.5000	0257.5	035.9	073.0	000.1108	0115.6	042.0	38.53
338.0	002.5000	0256.6	035.8	073.0	000.1109	0115.6	042.6	38.26
339.0	002.5000	0255.7	035.8	073.0	000.1109	0115.6	043.2	38.00
340.0	002.5000	0255.1	035.7	073.0	000.1109	0115.6	043.9	37.75
341.0	002.5000	0254.8	035.7	073.0	000.1110	0115.5	044.5	37.49
342.0	002.5000	0254.5	035.7	073.0	000.1110	0115.5	045.1	37.24
343.0	002.5000	0253.9	035.6	073.0	000.1109	0115.6	045.7	36.99
344.0	002.5000	0252.9	035.6	073.1	000.1105	0115.6	046.3	36.73
345.0	002.5000	0252.2	035.5	073.2	000.1101	0115.7	047.0	36.47
346.0	002.5000	0252.0	035.5	073.2	000.1100	0115.7	047.6	36.23
347.0	002.5000	0251.9	035.5	073.2	000.1098	0115.7	048.2	35.98
348.0	002.5000	0251.9	035.5	073.3	000.1095	0115.8	048.8	35.74
349.0	002.5000	0251.9	035.5	073.4	000.1092	0115.8	049.4	35.49
350.0	002.5000	0251.2	035.5	073.5	000.1087	0115.9	050.0	35.24
351.0	002.5000	0250.4	035.4	073.6	000.1080	0116.0	050.6	34.98

01-30-2009 FCC NGDC 30 Sec Terrain Data

WDNJ-C BNPED19991104AAH
Channel = 201A
Max ERP = 0.5 kW
RCAMSL = 384 M
N. Lat. 40 56 25.0
W. Lng. 74 36 48.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
051.0	000.3032	0092.1	013.0	303.5	001.4590	0261.9	052.9	52.09	
052.0	000.2906	0091.0	012.7	303.2	001.4522	0262.0	052.8	52.13	
053.0	000.2783	0089.2	012.5	302.9	001.4439	0262.1	052.7	52.16	
054.0	000.2663	0085.8	012.1	302.4	001.4333	0262.2	052.6	52.17	
055.0	000.2545	0081.4	011.7	301.9	001.4213	0262.4	052.5	52.15	
056.0	000.2430	0079.3	011.5	301.5	001.4128	0262.4	052.5	52.15	
057.0	000.2318	0079.9	011.4	301.4	001.4085	0262.5	052.3	52.20	
058.0	000.2208	0082.6	011.4	301.3	001.4071	0262.5	052.1	52.27	
059.0	000.2101	0084.8	011.4	301.2	001.4049	0262.5	052.0	52.34	
060.0	000.1997	0086.5	011.4	301.1	001.4017	0262.5	051.8	52.39	
061.0	000.1916	0088.0	011.4	300.9	001.3985	0262.5	051.6	52.45	
062.0	000.1836	0089.1	011.3	300.8	001.3948	0262.5	051.5	52.50	
063.0	000.1758	0091.0	011.3	300.7	001.3919	0262.4	051.3	52.55	
064.0	000.1682	0093.1	011.3	300.5	001.3891	0262.4	051.2	52.61	
065.0	000.1607	0094.9	011.3	300.4	001.3857	0262.4	051.0	52.66	
066.0	000.1535	0097.2	011.3	300.3	001.3827	0262.4	050.9	52.71	
067.0	000.1463	0099.9	011.3	300.2	001.3800	0262.4	050.7	52.77	
068.0	000.1394	0103.1	011.3	300.0	001.3775	0262.3	050.5	52.84	
069.0	000.1326	0106.1	011.4	299.9	001.3770	0262.3	050.3	52.90	
070.0	000.1260	0109.0	011.4	299.8	001.3781	0262.3	050.2	52.97	
071.0	000.1209	0111.8	011.4	299.6	001.3791	0262.3	050.0	53.03	
072.0	000.1159	0114.3	011.4	299.5	001.3803	0262.2	049.9	53.10	
073.0	000.1110	0115.6	011.3	299.3	001.3820	0262.2	049.8	53.14	
074.0	000.1062	0116.3	011.2	299.1	001.3837	0262.1	049.7	53.18	
075.0	000.1015	0117.0	011.1	298.8	001.3856	0262.0	049.6	53.21	
076.0	000.0969	0117.5	011.0	298.6	001.3875	0262.0	049.6	53.24	
077.0	000.0924	0119.0	011.0	298.4	001.3892	0261.9	049.5	53.27	
078.0	000.0880	0120.7	010.9	298.2	001.3908	0261.9	049.4	53.31	
079.0	000.0838	0122.3	010.9	297.9	001.3925	0261.8	049.3	53.34	
080.0	000.0796	0125.7	010.9	297.8	001.3939	0261.8	049.2	53.39	
081.0	000.0764	0129.2	010.9	297.6	001.3951	0261.7	049.1	53.45	
082.0	000.0732	0133.5	011.0	297.5	001.3962	0261.7	048.9	53.52	
083.0	000.0701	0137.1	011.0	297.3	001.3974	0261.6	048.8	53.58	
084.0	000.0671	0139.0	011.0	297.1	001.3991	0261.6	048.7	53.61	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
085.0	000.0641	0141.5	010.9	296.9	001.4007	0261.5	048.6	53.65
086.0	000.0612	0143.9	010.9	296.7	001.4023	0261.5	048.5	53.68
087.0	000.0583	0146.2	010.9	296.5	001.4040	0261.4	048.5	53.71
088.0	000.0556	0148.5	010.8	296.3	001.4057	0261.4	048.4	53.74
089.0	000.0529	0150.9	010.8	296.0	001.4074	0261.4	048.4	53.77
090.0	000.0502	0154.2	010.8	295.8	001.4091	0261.3	048.3	53.80
091.0	000.0482	0157.0	010.8	295.6	001.4107	0261.3	048.2	53.84
092.0	000.0462	0159.8	010.8	295.4	001.4123	0261.3	048.1	53.87
093.0	000.0443	0162.6	010.8	295.2	001.4140	0261.3	048.1	53.90
094.0	000.0423	0164.9	010.8	295.0	001.4158	0261.3	048.0	53.92
095.0	000.0405	0165.9	010.7	294.7	001.4177	0261.2	048.0	53.92
096.0	000.0386	0167.0	010.6	294.5	001.4196	0261.2	048.1	53.91
097.0	000.0369	0167.6	010.5	294.3	001.4215	0261.1	048.1	53.90
098.0	000.0351	0167.7	010.4	294.0	001.4235	0261.1	048.2	53.88
099.0	000.0334	0168.2	010.3	293.8	001.4254	0261.0	048.2	53.86
100.0	000.0318	0168.8	010.2	293.5	001.4273	0260.9	048.3	53.84
101.0	000.0305	0169.6	010.1	293.3	001.4291	0260.8	048.3	53.83
102.0	000.0292	0170.4	010.0	293.1	001.4308	0260.8	048.4	53.81
103.0	000.0280	0171.1	009.9	292.9	001.4326	0260.7	048.4	53.79
104.0	000.0268	0172.6	009.9	292.7	001.4343	0260.6	048.4	53.78
105.0	000.0257	0174.2	009.8	292.4	001.4359	0260.5	048.5	53.77
106.0	000.0245	0174.9	009.7	292.2	001.4376	0260.4	048.6	53.74
107.0	000.0234	0175.2	009.6	292.0	001.4393	0260.3	048.6	53.71
108.0	000.0223	0176.3	009.5	291.8	001.4409	0260.2	048.7	53.68
109.0	000.0212	0178.3	009.4	291.6	001.4425	0260.1	048.8	53.66
110.0	000.0202	0180.8	009.4	291.4	001.4440	0260.0	048.8	53.64
111.0	000.0202	0182.8	009.4	291.2	001.4456	0259.9	048.8	53.67
112.0	000.0202	0184.3	009.5	291.0	001.4471	0259.8	048.7	53.68
113.0	000.0202	0185.3	009.5	290.8	001.4487	0259.7	048.7	53.69
114.0	000.0202	0186.1	009.5	290.6	001.4503	0259.6	048.7	53.70
115.0	000.0202	0186.7	009.5	290.4	001.4519	0259.5	048.7	53.70
116.0	000.0202	0187.0	009.6	290.2	001.4534	0259.4	048.7	53.70
117.0	000.0202	0186.9	009.6	290.1	001.4550	0259.3	048.7	53.69
118.0	000.0202	0186.4	009.5	289.9	001.4641	0259.2	048.8	53.70
119.0	000.0202	0185.5	009.5	289.7	001.4760	0259.1	048.8	53.71
120.0	000.0202	0184.6	009.5	289.5	001.4879	0259.0	048.9	53.72
121.0	000.0202	0184.0	009.5	289.3	001.4998	0258.8	048.9	53.73
122.0	000.0202	0184.0	009.5	289.1	001.5119	0258.7	048.9	53.75
123.0	000.0202	0184.7	009.5	288.9	001.5243	0258.6	049.0	53.77
124.0	000.0202	0185.6	009.5	288.7	001.5369	0258.4	049.0	53.79
125.0	000.0202	0186.7	009.5	288.5	001.5496	0258.3	049.0	53.82
126.0	000.0202	0187.8	009.6	288.3	001.5623	0258.1	049.0	53.84
127.0	000.0202	0189.0	009.6	288.1	001.5752	0258.0	049.1	53.86
128.0	000.0202	0189.4	009.6	287.9	001.5875	0257.9	049.1	53.87
129.0	000.0202	0188.4	009.6	287.8	001.5988	0257.7	049.2	53.86
130.0	000.0202	0186.3	009.5	287.6	001.6092	0257.6	049.3	53.84
131.0	000.0202	0184.4	009.5	287.5	001.6194	0257.5	049.4	53.82
132.0	000.0202	0182.6	009.4	287.3	001.6297	0257.4	049.5	53.80
133.0	000.0202	0180.8	009.4	287.2	001.6395	0257.4	049.6	53.78
134.0	000.0202	0179.1	009.4	287.0	001.6493	0257.3	049.7	53.76
135.0	000.0202	0178.6	009.3	286.9	001.6599	0257.2	049.8	53.75

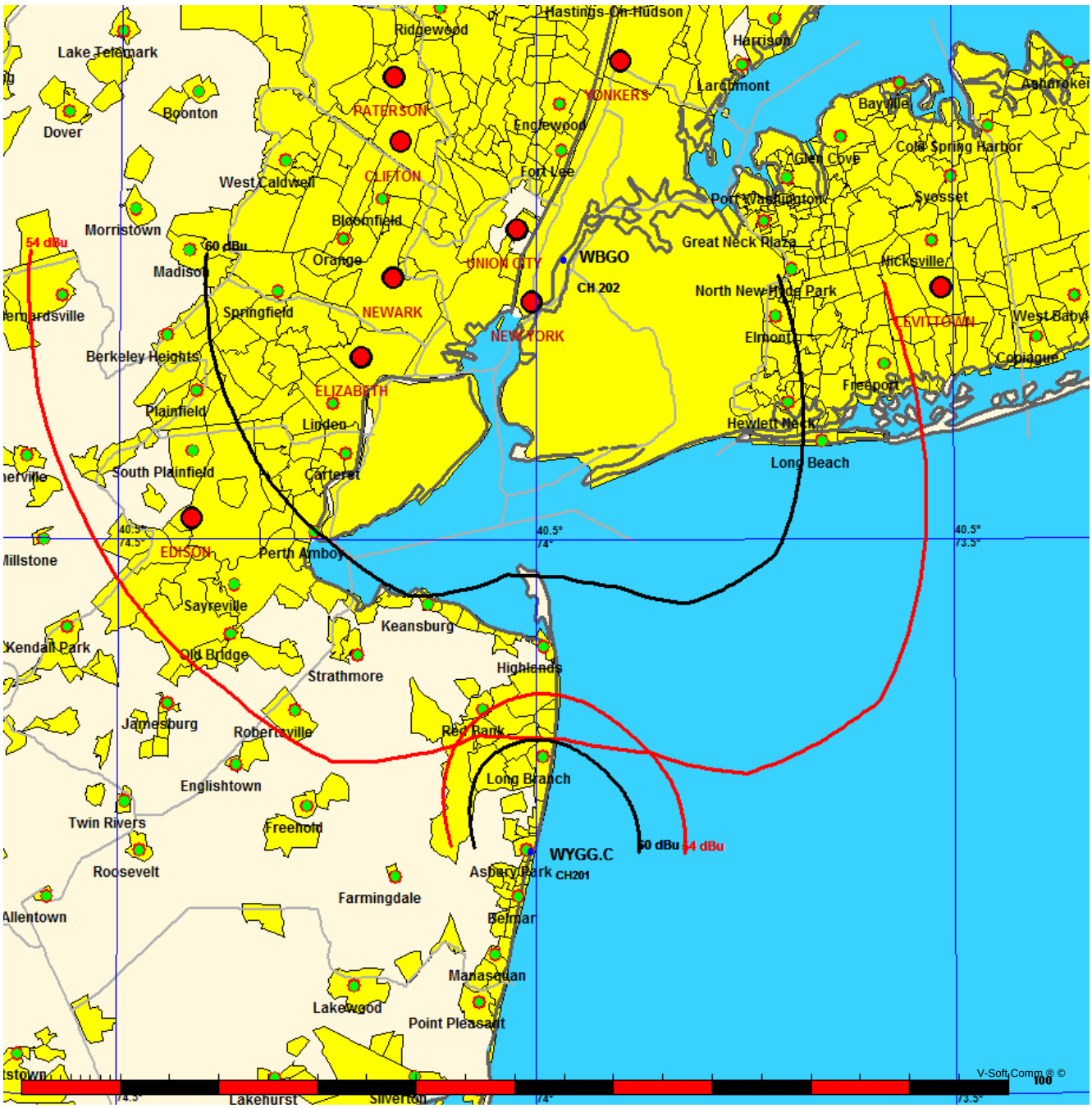
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
136.0	000.0202	0179.2	009.4	286.7	001.6716	0257.1	049.9	53.75
137.0	000.0202	0180.1	009.4	286.5	001.6835	0257.0	050.0	53.75
138.0	000.0202	0180.6	009.4	286.3	001.6949	0256.9	050.0	53.75
139.0	000.0202	0181.2	009.4	286.2	001.7062	0256.9	050.1	53.74
140.0	000.0202	0182.1	009.4	286.0	001.7179	0256.8	050.2	53.74
141.0	000.0202	0183.3	009.5	285.8	001.7298	0256.8	050.2	53.74
142.0	000.0202	0184.1	009.5	285.7	001.7412	0256.8	050.3	53.74
143.0	000.0202	0184.0	009.5	285.5	001.7514	0256.7	050.4	53.72
144.0	000.0202	0182.3	009.4	285.4	001.7594	0256.7	050.6	53.68
145.0	000.0202	0178.9	009.3	285.3	001.7650	0256.7	050.7	53.63
146.0	000.0202	0175.2	009.2	285.3	001.7695	0256.7	050.9	53.57
147.0	000.0202	0172.0	009.2	285.2	001.7742	0256.7	051.1	53.51
148.0	000.0202	0169.5	009.1	285.1	001.7794	0256.7	051.2	53.45
149.0	000.0202	0167.1	009.0	285.0	001.7845	0256.7	051.4	53.40
150.0	000.0202	0164.7	008.9	285.0	001.7891	0256.7	051.6	53.35
151.0	000.0212	0162.6	009.0	284.8	001.8004	0256.7	051.6	53.34
152.0	000.0223	0160.5	009.0	284.7	001.8114	0256.7	051.7	53.34
153.0	000.0234	0158.0	009.1	284.5	001.8213	0256.7	051.8	53.32
154.0	000.0245	0154.9	009.1	284.4	001.8298	0256.7	051.9	53.29
155.0	000.0257	0151.6	009.1	284.3	001.8372	0256.7	052.1	53.26
156.0	000.0268	0148.4	009.1	284.2	001.8445	0256.7	052.2	53.23
157.0	000.0280	0146.1	009.1	284.1	001.8534	0256.7	052.3	53.20
158.0	000.0292	0144.0	009.1	283.9	001.8623	0256.8	052.4	53.18
159.0	000.0305	0141.2	009.1	283.8	001.8693	0256.8	052.5	53.14
160.0	000.0318	0138.0	009.1	283.8	001.8750	0256.8	052.7	53.10
161.0	000.0334	0135.1	009.1	283.6	001.8827	0256.8	052.8	53.07
162.0	000.0351	0133.5	009.2	283.5	001.8930	0256.9	052.9	53.05
163.0	000.0369	0133.4	009.3	283.3	001.9066	0256.9	053.0	53.05
164.0	000.0386	0133.8	009.4	283.1	001.9211	0257.0	053.1	53.05
165.0	000.0405	0133.6	009.5	282.9	001.9341	0257.0	053.2	53.04
166.0	000.0423	0133.4	009.6	282.8	001.9469	0257.1	053.3	53.03
167.0	000.0443	0132.6	009.7	282.6	001.9582	0257.1	053.4	53.01
168.0	000.0462	0131.8	009.7	282.5	001.9689	0257.1	053.5	52.98
169.0	000.0482	0129.9	009.8	282.4	001.9763	0257.1	053.7	52.94
170.0	000.0502	0129.0	009.8	282.2	001.9863	0257.2	053.8	52.91
171.0	000.0529	0128.3	009.9	282.1	001.9981	0257.2	053.9	52.89

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 11.63 km, Out= 0.22 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WYGG-C CH 201 A DA BPED20070403ABV
Lat= 40 13 09.0, Lng= 74 00 27.0
1.5 kW 16 M HAAT, 26 M COR
Prot.= 60 dBu, Intef.= 54 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WYGG-C BPED20070403ABV
Channel = 201A
Max ERP = 1.5 kW
RCAMSL = 26 M
N. Lat. 40 13 09.0
W. Lng. 74 00 27.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
123.0	000.9797	0260.0	029.0	032.3	001.4017	0026.0	051.5	37.08	
124.0	001.0240	0260.4	029.3	032.7	001.4007	0026.0	051.0	37.19	
125.0	001.0726	0261.1	029.7	033.1	001.3996	0026.0	050.4	37.30	
126.0	001.1223	0261.9	030.0	033.4	001.3985	0026.0	049.9	37.42	
127.0	001.1765	0262.7	030.4	033.9	001.3973	0026.0	049.4	37.53	
128.0	001.2320	0263.3	030.8	034.2	001.3961	0026.0	048.8	37.65	
129.0	001.2888	0263.9	031.1	034.6	001.3950	0026.0	048.2	37.77	
130.0	001.3506	0264.4	031.5	035.0	001.3939	0026.0	047.7	37.89	
131.0	001.4138	0264.7	031.9	035.4	001.3927	0026.0	047.1	38.02	
132.0	001.4822	0264.9	032.3	035.8	001.3916	0026.0	046.5	38.16	
133.0	001.5524	0265.1	032.6	036.2	001.3905	0026.0	045.9	38.30	
134.0	001.6241	0265.4	033.0	036.6	001.3894	0026.0	045.3	38.45	
135.0	001.7016	0265.7	033.4	037.0	001.3883	0026.0	044.6	38.61	
136.0	001.7808	0266.1	033.8	037.3	001.3872	0026.0	044.0	38.77	
137.0	001.8662	0266.5	034.1	037.7	001.3861	0026.0	043.4	38.95	
138.0	001.9536	0266.6	034.5	038.1	001.3851	0026.0	042.7	39.13	
139.0	002.0430	0266.7	034.9	038.4	001.3842	0026.0	042.1	39.32	
140.0	002.1391	0266.9	035.2	038.7	001.3832	0026.0	041.4	39.51	
141.0	002.2278	0267.2	035.6	039.0	001.3824	0026.0	040.7	39.71	
142.0	002.3184	0267.8	035.9	039.3	001.3815	0026.0	040.0	39.92	
143.0	002.4059	0268.5	036.2	039.6	001.3808	0026.0	039.3	40.14	
144.0	002.5000	0269.0	036.6	039.8	001.3801	0026.0	038.7	40.36	
145.0	002.5000	0269.4	036.6	039.6	001.3806	0026.0	038.0	40.57	
146.0	002.5000	0269.8	036.6	039.4	001.3813	0026.0	037.4	40.79	
147.0	002.5000	0270.0	036.6	039.1	001.3821	0026.0	036.8	41.00	
148.0	002.5000	0270.4	036.6	038.8	001.3829	0026.0	036.2	41.22	
149.0	002.5000	0270.8	036.7	038.5	001.3838	0026.0	035.6	41.44	
150.0	002.5000	0271.3	036.7	038.2	001.3847	0026.0	035.0	41.66	
151.0	002.5000	0271.8	036.7	037.8	001.3857	0026.0	034.4	41.88	
152.0	002.5000	0272.2	036.7	037.5	001.3869	0026.0	033.8	42.11	
153.0	002.5000	0272.4	036.8	037.0	001.3881	0026.0	033.2	42.33	
154.0	002.5000	0272.4	036.8	036.5	001.3896	0026.0	032.6	42.56	
155.0	002.5000	0272.3	036.8	036.0	001.3911	0026.0	032.1	42.78	
156.0	002.5000	0272.0	036.7	035.4	001.3929	0026.0	031.5	43.01	
157.0	002.5000	0271.7	036.7	034.7	001.3947	0026.0	031.0	43.25	
158.0	002.5000	0271.4	036.7	034.1	001.3966	0026.0	030.4	43.49	
159.0	002.5000	0271.1	036.7	033.3	001.3987	0026.0	029.9	43.74	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
160.0	002.5000	0270.6	036.7	032.6	001.4010	0026.0	029.4	44.00
161.0	002.4108	0270.2	036.3	031.3	001.4046	0026.0	029.1	44.17
162.0	002.3184	0269.9	036.0	030.0	001.4083	0026.0	028.9	44.32
163.0	002.2326	0269.8	035.7	028.8	001.4156	0026.0	028.6	44.48
164.0	002.1437	0269.8	035.4	027.4	001.4234	0026.0	028.4	44.62
165.0	002.0612	0269.9	035.1	026.1	001.4311	0026.0	028.2	44.75
166.0	001.9802	0269.7	034.8	024.7	001.4391	0026.0	028.0	44.86
167.0	001.8966	0269.4	034.4	023.3	001.4475	0026.0	028.0	44.93
168.0	001.8190	0268.9	034.1	021.9	001.4558	0025.9	027.9	44.99
169.0	001.7389	0268.2	033.7	020.5	001.4644	0025.9	027.9	45.01
170.0	001.6646	0267.6	033.3	019.1	001.4686	0025.8	027.9	45.01
171.0	001.6350	0267.4	033.2	017.9	001.4704	0025.7	027.8	45.09
172.0	001.6056	0267.3	033.0	016.7	001.4721	0025.6	027.7	45.16
173.0	001.5765	0267.1	032.9	015.4	001.4740	0025.4	027.6	45.22
174.0	001.5476	0266.9	032.7	014.2	001.4758	0025.2	027.5	45.26
175.0	001.5191	0266.8	032.6	013.0	001.4776	0024.8	027.5	45.29
176.0	001.4907	0266.7	032.4	011.8	001.4794	0024.0	027.5	45.31
177.0	001.4627	0266.8	032.3	010.6	001.4812	0023.1	027.5	45.31
178.0	001.4349	0266.8	032.1	009.4	001.4783	0021.9	027.5	45.29
179.0	001.4074	0266.9	032.0	008.2	001.4712	0021.0	027.5	45.25
180.0	001.3801	0266.6	031.8	007.0	001.4641	0020.0	027.6	45.18
181.0	001.3883	0265.9	031.8	005.8	001.4574	0018.8	027.6	45.19
182.0	001.3965	0265.2	031.8	004.7	001.4506	0017.5	027.5	45.20
183.0	001.4048	0264.3	031.8	003.5	001.4438	0015.6	027.5	45.18
184.0	001.4130	0263.5	031.8	002.4	001.4371	0014.6	027.5	45.15
185.0	001.4213	0263.2	031.8	001.2	001.4303	0015.0	027.5	45.13
186.0	001.4296	0263.4	031.9	000.1	001.4235	0015.5	027.5	45.12
187.0	001.4379	0263.7	031.9	358.9	001.4077	0015.9	027.5	45.06
188.0	001.4463	0263.8	032.0	357.8	001.3912	0016.5	027.6	44.99
189.0	001.4547	0263.8	032.0	356.6	001.3750	0016.9	027.6	44.90
190.0	001.4631	0263.3	032.1	355.5	001.3591	0017.0	027.7	44.78
191.0	001.5272	0263.7	032.4	354.2	001.3408	0016.7	027.5	44.84
192.0	001.5928	0265.1	032.8	352.8	001.3215	0016.2	027.3	44.90
193.0	001.6597	0266.7	033.2	351.3	001.3018	0015.7	027.1	44.95
194.0	001.7281	0267.9	033.6	349.9	001.2810	0015.6	027.0	44.96
195.0	001.7978	0268.7	034.0	348.4	001.2488	0015.8	026.9	44.89
196.0	001.8688	0268.9	034.3	347.0	001.2174	0016.0	026.9	44.77
197.0	001.9413	0269.1	034.6	345.6	001.1864	0016.0	027.0	44.64
198.0	002.0151	0269.9	034.9	344.1	001.1549	0015.9	027.0	44.50
199.0	002.0903	0271.2	035.3	342.6	001.1232	0015.8	027.1	44.34
200.0	002.1669	0272.9	035.7	341.1	001.0916	0015.6	027.2	44.17
201.0	002.2326	0274.6	036.0	339.7	001.0603	0015.1	027.3	43.96
202.0	002.2992	0276.1	036.3	338.3	001.0248	0014.6	027.5	43.70
203.0	002.3620	0277.4	036.6	336.9	000.9918	0014.0	027.8	43.41
204.0	002.4305	0278.3	036.9	335.6	000.9604	0013.3	028.0	43.11
205.0	002.5000	0278.8	037.1	334.4	000.9312	0012.6	028.4	42.79
206.0	002.5000	0279.0	037.1	333.6	000.9119	0012.1	028.9	42.43
207.0	002.5000	0279.0	037.1	332.8	000.8943	0011.4	029.4	42.07
208.0	002.5000	0278.8	037.1	332.1	000.8781	0010.5	029.9	41.72
209.0	002.5000	0278.6	037.1	331.5	000.8633	0009.5	030.5	41.39
210.0	002.5000	0278.4	037.1	330.9	000.8496	0008.7	031.0	41.06

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
211.0	002.5000	0278.1	037.1	330.3	000.8370	0008.0	031.6	40.75
212.0	002.5000	0277.8	037.1	329.8	000.8244	0007.5	032.2	40.46
213.0	002.5000	0277.3	037.0	329.3	000.8119	0007.1	032.8	40.16
214.0	002.5000	0276.8	037.0	328.9	000.8006	0006.8	033.4	39.88
215.0	002.5000	0276.2	037.0	328.5	000.7906	0006.6	034.0	39.59
216.0	002.5000	0275.4	036.9	328.1	000.7817	0006.4	034.6	39.32
217.0	002.5000	0274.5	036.9	327.8	000.7739	0006.2	035.2	39.05
218.0	002.5000	0273.9	036.8	327.5	000.7664	0006.0	035.8	38.79
219.0	002.5000	0273.7	036.8	327.2	000.7586	0005.8	036.4	38.52
220.0	002.5000	0274.0	036.9	326.9	000.7503	0005.5	037.0	38.26
221.0	002.5000	0274.7	036.9	326.6	000.7419	0005.3	037.6	38.01
222.0	002.5000	0275.6	036.9	326.3	000.7338	0005.1	038.2	37.76
223.0	002.5000	0276.4	037.0	326.0	000.7267	0004.9	038.9	37.51
224.0	002.5000	0276.8	037.0	325.7	000.7209	0004.8	039.5	37.27
225.0	002.5000	0277.0	037.0	325.5	000.7162	0004.7	040.1	37.04
226.0	002.5000	0277.1	037.0	325.4	000.7122	0004.6	040.8	36.82
227.0	002.5000	0277.2	037.0	325.2	000.7088	0004.6	041.4	36.61
228.0	002.5000	0277.3	037.0	325.1	000.7058	0004.5	042.0	36.40
229.0	002.5000	0277.4	037.1	325.0	000.7033	0004.5	042.7	36.20
230.0	002.5000	0277.5	037.1	324.9	000.7013	0004.5	043.3	36.00
231.0	002.5000	0277.6	037.1	324.9	000.6996	0004.5	044.0	35.81
232.0	002.5000	0277.7	037.1	324.8	000.6984	0004.5	044.6	35.63
233.0	002.5000	0277.7	037.1	324.8	000.6976	0004.4	045.3	35.46
234.0	002.5000	0277.7	037.1	324.8	000.6973	0004.4	045.9	35.30
235.0	002.5000	0277.5	037.1	324.8	000.6975	0004.4	046.5	35.14
236.0	002.5000	0277.2	037.0	324.8	000.6985	0004.5	047.2	35.00
237.0	002.5000	0276.7	037.0	324.9	000.6999	0004.5	047.8	34.86
238.0	002.5000	0276.1	037.0	325.0	000.7019	0004.5	048.5	34.73
239.0	002.5000	0275.5	036.9	325.1	000.7041	0004.5	049.1	34.61
240.0	002.5000	0275.0	036.9	325.2	000.7065	0004.5	049.8	34.48
241.0	002.5000	0274.5	036.9	325.3	000.7090	0004.6	050.4	34.36
242.0	002.5000	0274.2	036.9	325.4	000.7115	0004.6	051.0	34.24
243.0	002.5000	0273.9	036.8	325.5	000.7142	0004.6	051.7	34.11

01-30-2009 FCC NGDC 30 Sec Terrain Data

WYGG-C BPED20070403ABV
Channel = 201A
Max ERP = 1.5 kW
RCAMSL = 26 M
N. Lat. 40 13 09.0
W. Lng. 74 00 27.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
303.0	000.2838	-0002.7	007.3	189.8	001.4611	0263.4	056.1	50.88	
304.0	000.2970	-0002.1	007.4	189.8	001.4613	0263.4	055.9	50.94	
305.0	000.3105	-0001.4	007.5	189.8	001.4615	0263.4	055.8	51.00	
306.0	000.3243	-0000.8	007.6	189.8	001.4617	0263.4	055.6	51.06	
307.0	000.3384	-0000.3	007.7	189.9	001.4618	0263.4	055.5	51.13	
308.0	000.3528	0000.0	007.7	189.9	001.4619	0263.4	055.3	51.19	
309.0	000.3675	0000.2	007.8	189.9	001.4620	0263.4	055.1	51.25	
310.0	000.3825	0000.3	007.9	189.9	001.4620	0263.4	055.0	51.32	
311.0	000.3994	0000.5	008.0	189.9	001.4621	0263.4	054.8	51.38	
312.0	000.4166	0000.7	008.1	189.9	001.4621	0263.4	054.7	51.45	
313.0	000.4342	0000.9	008.2	189.9	001.4621	0263.4	054.5	51.52	
314.0	000.4521	0001.2	008.3	189.9	001.4621	0263.4	054.3	51.59	
315.0	000.4704	0001.6	008.4	189.9	001.4620	0263.4	054.1	51.66	
316.0	000.4925	0002.0	008.5	189.9	001.4620	0263.4	054.0	51.73	
317.0	000.5151	0002.4	008.6	189.9	001.4620	0263.4	053.8	51.81	
318.0	000.5382	0002.8	008.7	189.9	001.4619	0263.4	053.6	51.88	
319.0	000.5618	0003.2	008.8	189.8	001.4617	0263.4	053.4	51.95	
320.0	000.5859	0003.6	008.9	189.8	001.4615	0263.4	053.2	52.02	
321.0	000.6085	0003.9	009.0	189.8	001.4612	0263.4	053.1	52.09	
322.0	000.6314	0004.1	009.0	189.7	001.4608	0263.4	052.9	52.17	
323.0	000.6548	0004.3	009.1	189.7	001.4604	0263.5	052.7	52.24	
324.0	000.6786	0004.3	009.2	189.6	001.4600	0263.5	052.5	52.31	
325.0	000.7028	0004.5	009.3	189.6	001.4595	0263.5	052.4	52.38	
326.0	000.7275	0004.9	009.4	189.5	001.4589	0263.6	052.2	52.45	
327.0	000.7525	0005.6	009.5	189.4	001.4583	0263.6	052.0	52.52	
328.0	000.7780	0006.3	009.5	189.4	001.4576	0263.6	051.8	52.58	
329.0	000.8040	0006.9	009.6	189.3	001.4570	0263.7	051.7	52.65	
330.0	000.8303	0007.7	009.7	189.2	001.4562	0263.7	051.5	52.72	
331.0	000.8528	0008.9	009.8	189.1	001.4554	0263.8	051.4	52.78	
332.0	000.8755	0010.3	009.8	189.0	001.4544	0263.8	051.2	52.84	
333.0	000.8986	0011.6	009.9	188.9	001.4535	0263.8	051.0	52.90	
334.0	000.9220	0012.4	010.0	188.7	001.4525	0263.9	050.9	52.96	
335.0	000.9457	0013.0	010.0	188.6	001.4515	0263.9	050.7	53.02	
336.0	000.9696	0013.5	010.1	188.5	001.4504	0263.9	050.6	53.08	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
337.0	000.9939	0014.1	010.1	188.4	001.4493	0263.9	050.4	53.13
338.0	001.0185	0014.5	010.2	188.2	001.4481	0263.9	050.3	53.19
339.0	001.0433	0014.9	010.3	188.1	001.4469	0263.9	050.2	53.24
340.0	001.0685	0015.2	010.3	187.9	001.4457	0263.8	050.0	53.29
341.0	001.0891	0015.5	010.4	187.8	001.4444	0263.8	049.9	53.34
342.0	001.1099	0015.7	010.4	187.6	001.4430	0263.8	049.8	53.38
343.0	001.1309	0015.8	010.5	187.4	001.4416	0263.7	049.7	53.43
344.0	001.1521	0015.9	010.5	187.3	001.4402	0263.7	049.5	53.47
345.0	001.1735	0016.0	010.6	187.1	001.4387	0263.7	049.4	53.51
346.0	001.1951	0016.0	010.6	186.9	001.4372	0263.7	049.3	53.55
347.0	001.2169	0016.0	010.7	186.7	001.4357	0263.6	049.2	53.59
348.0	001.2389	0015.8	010.7	186.5	001.4341	0263.6	049.1	53.62
349.0	001.2611	0015.7	010.8	186.4	001.4325	0263.5	049.0	53.66
350.0	001.2834	0015.6	010.8	186.2	001.4309	0263.5	048.9	53.69
351.0	001.2971	0015.6	010.8	186.0	001.4292	0263.4	048.8	53.71
352.0	001.3108	0015.9	010.9	185.7	001.4275	0263.3	048.7	53.74
353.0	001.3246	0016.3	010.9	185.5	001.4257	0263.3	048.7	53.76
354.0	001.3384	0016.6	010.9	185.3	001.4240	0263.3	048.6	53.78
355.0	001.3523	0017.0	010.9	185.1	001.4222	0263.2	048.6	53.79
356.0	001.3663	0016.9	011.0	184.9	001.4204	0263.3	048.5	53.81
357.0	001.3804	0016.8	011.0	184.7	001.4185	0263.3	048.4	53.83
358.0	001.3945	0016.4	011.0	184.4	001.4167	0263.4	048.4	53.85
359.0	001.4087	0015.9	011.0	184.2	001.4149	0263.5	048.3	53.86
000.0	001.4230	0015.5	011.1	184.0	001.4130	0263.5	048.3	53.88
001.0	001.4289	0015.1	011.1	183.8	001.4111	0263.7	048.3	53.89
002.0	001.4347	0014.7	011.1	183.5	001.4092	0263.8	048.3	53.89
003.0	001.4406	0014.9	011.1	183.3	001.4073	0264.0	048.2	53.90
004.0	001.4465	0016.4	011.1	183.1	001.4054	0264.2	048.2	53.90
005.0	001.4524	0017.9	011.1	182.8	001.4035	0264.5	048.2	53.91
006.0	001.4583	0019.0	011.1	182.6	001.4016	0264.7	048.2	53.91
007.0	001.4642	0020.0	011.1	182.4	001.3997	0264.9	048.2	53.91
008.0	001.4702	0020.8	011.2	182.2	001.3978	0265.1	048.2	53.91
009.0	001.4761	0021.6	011.2	181.9	001.3959	0265.3	048.2	53.90
010.0	001.4821	0022.5	011.2	181.7	001.3940	0265.5	048.3	53.90
011.0	001.4806	0023.4	011.2	181.5	001.3921	0265.6	048.3	53.88
012.0	001.4791	0024.2	011.2	181.2	001.3902	0265.8	048.3	53.87
013.0	001.4776	0024.8	011.2	181.0	001.3884	0265.9	048.4	53.85
014.0	001.4761	0025.1	011.2	180.8	001.3865	0266.1	048.4	53.83
015.0	001.4746	0025.4	011.2	180.6	001.3847	0266.2	048.5	53.81
016.0	001.4731	0025.5	011.2	180.3	001.3829	0266.4	048.5	53.79
017.0	001.4716	0025.6	011.2	180.1	001.3811	0266.5	048.6	53.77
018.0	001.4702	0025.7	011.2	179.9	001.3827	0266.7	048.6	53.75
019.0	001.4687	0025.8	011.2	179.7	001.3886	0266.8	048.7	53.75
020.0	001.4672	0025.9	011.2	179.5	001.3945	0266.9	048.8	53.74
021.0	001.4613	0025.9	011.1	179.3	001.4001	0266.9	048.9	53.73
022.0	001.4553	0025.9	011.1	179.1	001.4058	0266.9	048.9	53.71
023.0	001.4494	0026.0	011.1	178.9	001.4114	0266.8	049.0	53.69
024.0	001.4435	0026.0	011.1	178.7	001.4169	0266.8	049.1	53.67
025.0	001.4377	0026.0	011.1	178.5	001.4223	0266.8	049.2	53.65
026.0	001.4318	0026.0	011.1	178.3	001.4277	0266.8	049.3	53.62
027.0	001.4259	0026.0	011.1	178.1	001.4329	0266.8	049.4	53.60

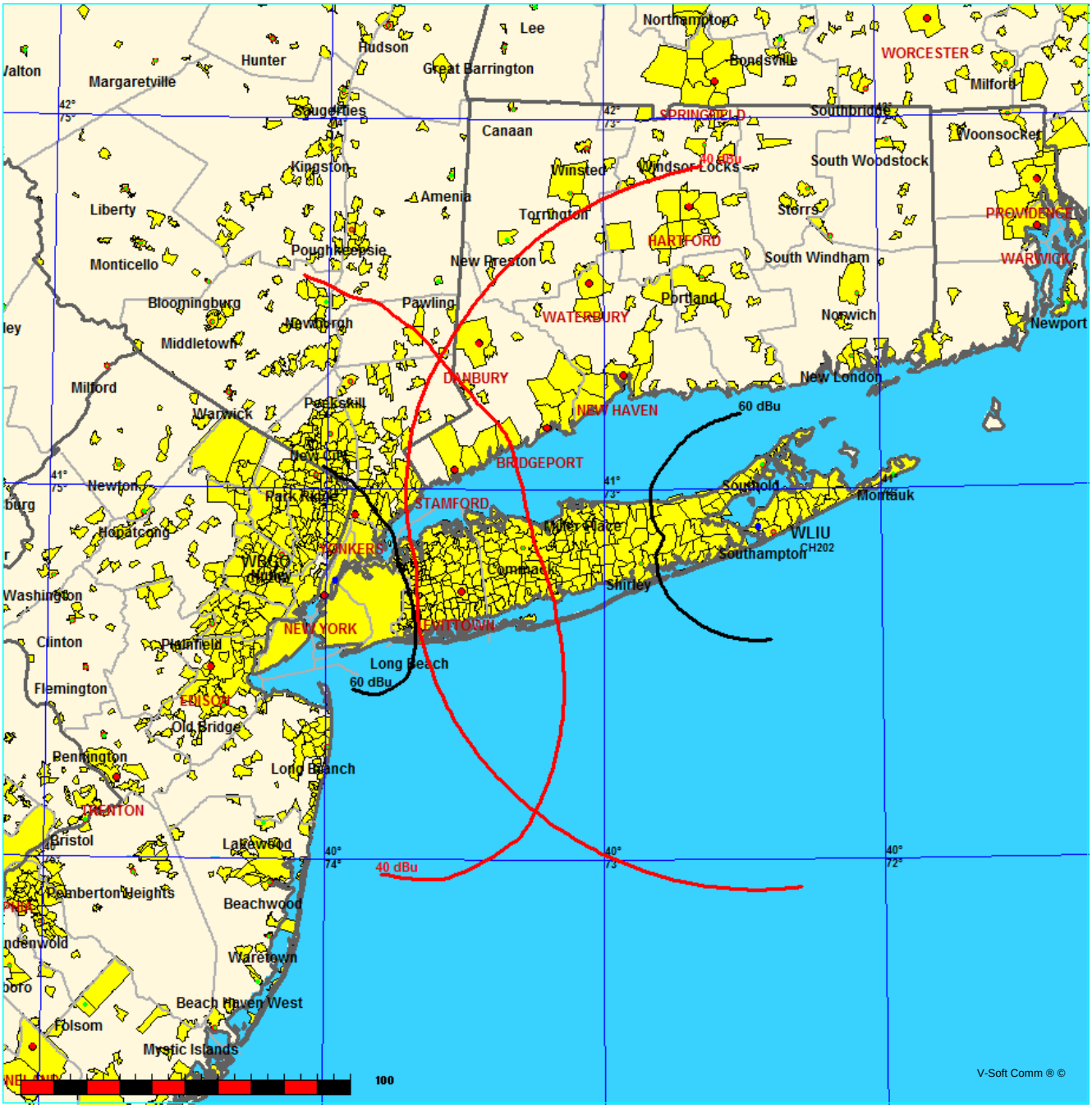
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
028.0	001.4201	0026.0	011.1	177.9	001.4382	0266.8	049.5	53.57
029.0	001.4143	0026.0	011.1	177.7	001.4433	0266.8	049.6	53.54
030.0	001.4084	0026.0	011.0	177.5	001.4483	0266.8	049.7	53.51
031.0	001.4055	0026.0	011.0	177.3	001.4534	0266.8	049.8	53.49
032.0	001.4026	0026.0	011.0	177.2	001.4584	0266.8	050.0	53.45
033.0	001.3997	0026.0	011.0	177.0	001.4633	0266.8	050.1	53.42
034.0	001.3968	0026.0	011.0	176.8	001.4681	0266.8	050.2	53.39
035.0	001.3939	0026.0	011.0	176.6	001.4729	0266.7	050.3	53.35
036.0	001.3911	0026.0	011.0	176.5	001.4775	0266.7	050.4	53.32
037.0	001.3882	0026.0	011.0	176.3	001.4821	0266.7	050.6	53.28
038.0	001.3853	0026.0	011.0	176.1	001.4866	0266.7	050.7	53.24
039.0	001.3824	0026.0	011.0	176.0	001.4910	0266.7	050.8	53.20
040.0	001.3795	0026.0	011.0	175.8	001.4953	0266.7	051.0	53.15
041.0	001.3801	0026.0	011.0	175.7	001.4996	0266.7	051.1	53.11
042.0	001.3807	0026.0	011.0	175.5	001.5039	0266.7	051.2	53.07
043.0	001.3812	0026.0	011.0	175.4	001.5080	0266.7	051.4	53.02
044.0	001.3818	0026.0	011.0	175.2	001.5121	0266.8	051.5	52.98
045.0	001.3824	0026.0	011.0	175.1	001.5161	0266.8	051.7	52.93
046.0	001.3876	0026.0	011.0	175.0	001.5202	0266.8	051.8	52.89
047.0	001.3928	0026.0	011.0	174.8	001.5242	0266.8	052.0	52.84
048.0	001.3980	0026.0	011.0	174.7	001.5281	0266.8	052.1	52.79
049.0	001.4032	0026.0	011.0	174.5	001.5319	0266.8	052.3	52.74
050.0	001.4084	0026.0	011.0	174.4	001.5356	0266.9	052.4	52.69
051.0	001.4143	0026.0	011.1	174.3	001.5393	0266.9	052.6	52.64
052.0	001.4201	0026.0	011.1	174.2	001.5428	0266.9	052.7	52.59
053.0	001.4259	0026.0	011.1	174.0	001.5463	0266.9	052.9	52.54
054.0	001.4318	0026.0	011.1	173.9	001.5496	0266.9	053.0	52.48
055.0	001.4377	0026.0	011.1	173.8	001.5529	0266.9	053.2	52.42
056.0	001.4435	0026.0	011.1	173.7	001.5560	0267.0	053.4	52.37
057.0	001.4494	0026.0	011.1	173.6	001.5590	0267.0	053.5	52.31
058.0	001.4553	0026.0	011.1	173.5	001.5620	0267.0	053.7	52.25
059.0	001.4613	0026.0	011.1	173.4	001.5648	0267.0	053.9	52.19
060.0	001.4672	0026.0	011.2	173.3	001.5675	0267.0	054.0	52.13
061.0	001.4704	0026.0	011.2	173.2	001.5700	0267.0	054.2	52.06
062.0	001.4737	0026.0	011.2	173.1	001.5724	0267.1	054.4	52.00
063.0	001.4770	0026.0	011.2	173.1	001.5746	0267.1	054.6	51.93

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 0.98 km, Out= 33.92 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WLIU CH 202 B1 BLED19940908KA
Lat= 40 53 17.0, Lng= 72 26 43.0
25.0 kW 66 M HAAT, 75 M COR
Prot.= 60 dBu, Intef.= 40 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WLIU BLED19940908KA
Channel = 202B1
Max ERP = 25 kW
RCAMSL = 75 M
N. Lat. 40 53 17.0
W. Lng. 72 26 43.0
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
023.0	000.5858	0261.9	025.8	274.7	025.0000	0064.8	118.2	38.02	
024.0	000.5594	0260.2	025.5	274.4	025.0000	0064.6	117.8	38.07	
025.0	000.5342	0259.9	025.2	274.2	025.0000	0064.4	117.5	38.12	
026.0	000.5102	0260.7	025.0	274.1	025.0000	0064.3	117.2	38.17	
027.0	000.4872	0262.1	024.8	273.9	025.0000	0064.2	116.9	38.22	
028.0	000.4653	0263.8	024.6	273.7	025.0000	0064.0	116.6	38.28	
029.0	000.4444	0264.9	024.3	273.5	025.0000	0063.9	116.3	38.32	
030.0	000.4244	0265.0	024.1	273.3	025.0000	0063.8	116.0	38.36	
031.0	000.4127	0264.7	023.9	273.1	025.0000	0063.6	115.8	38.41	
032.0	000.4012	0264.8	023.8	273.0	025.0000	0063.4	115.5	38.46	
033.0	000.3899	0265.4	023.6	272.8	025.0000	0063.3	115.2	38.50	
034.0	000.3787	0266.3	023.5	272.6	025.0000	0063.1	114.9	38.55	
035.0	000.3677	0267.3	023.4	272.5	025.0000	0062.8	114.6	38.59	
036.0	000.3568	0268.2	023.3	272.3	025.0000	0062.6	114.4	38.63	
037.0	000.3461	0269.0	023.1	272.1	025.0000	0062.4	114.1	38.67	
038.0	000.3356	0269.8	023.0	272.0	025.0000	0062.2	113.9	38.70	
039.0	000.3253	0270.7	022.9	271.8	025.0000	0062.0	113.6	38.74	
040.0	000.3151	0271.6	022.7	271.6	025.0000	0061.8	113.4	38.77	
041.0	000.3133	0272.5	022.7	271.5	025.0000	0061.7	113.1	38.83	
042.0	000.3115	0273.2	022.7	271.4	025.0000	0061.5	112.8	38.87	
043.0	000.3098	0273.7	022.7	271.2	025.0000	0061.3	112.5	38.92	
044.0	000.3080	0274.0	022.7	271.1	025.0000	0061.1	112.2	38.96	
045.0	000.3062	0274.3	022.7	270.9	025.0000	0060.9	112.0	39.00	
046.0	000.3028	0274.4	022.6	270.8	025.0000	0060.7	111.7	39.04	
047.0	000.3010	0274.5	022.6	270.6	025.0000	0060.5	111.5	39.07	
048.0	000.2993	0274.5	022.6	270.4	025.0000	0060.3	111.2	39.11	
049.0	000.2976	0274.5	022.5	270.3	025.0000	0060.0	111.0	39.15	
050.0	000.2958	0274.8	022.5	270.1	025.0000	0059.8	110.8	39.18	
051.0	000.2873	0275.2	022.4	269.9	025.0000	0059.5	110.6	39.19	
052.0	000.2789	0275.6	022.2	269.7	025.0000	0059.2	110.5	39.21	
053.0	000.2706	0275.9	022.1	269.5	025.0000	0059.0	110.4	39.22	
054.0	000.2624	0276.0	021.9	269.3	025.0000	0058.7	110.3	39.22	
055.0	000.2544	0276.0	021.8	269.1	025.0000	0058.4	110.2	39.22	
056.0	000.2465	0275.9	021.6	268.9	025.0000	0058.1	110.2	39.23	
057.0	000.2387	0276.0	021.4	268.7	025.0000	0057.8	110.1	39.23	
058.0	000.2310	0276.1	021.3	268.4	025.0000	0057.5	110.1	39.22	
059.0	000.2235	0276.2	021.1	268.2	025.0000	0057.2	110.0	39.22	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
060.0	000.2161	0276.2	020.9	268.0	025.0000	0057.0	110.0	39.21
061.0	000.2117	0276.2	020.8	267.8	025.0000	0056.9	110.0	39.22
062.0	000.2088	0276.3	020.8	267.6	025.0000	0056.7	109.9	39.23
063.0	000.2045	0276.3	020.7	267.4	025.0000	0056.5	109.8	39.23
064.0	000.2016	0276.2	020.6	267.3	025.0000	0056.2	109.7	39.23
065.0	000.1974	0276.1	020.5	267.1	025.0000	0055.8	109.7	39.22
066.0	000.1932	0275.9	020.4	266.9	025.0000	0055.4	109.7	39.21
067.0	000.1904	0275.6	020.3	266.7	025.0000	0055.0	109.6	39.20
068.0	000.1863	0275.4	020.2	266.5	025.0000	0054.6	109.7	39.18
069.0	000.1836	0274.9	020.1	266.3	025.0000	0054.2	109.6	39.17
070.0	000.1796	0274.3	019.9	266.1	025.0000	0053.8	109.7	39.15
071.0	000.1809	0273.5	019.9	265.9	025.0000	0053.5	109.6	39.16
072.0	000.1809	0272.8	019.9	265.7	025.0000	0053.2	109.5	39.16
073.0	000.1823	0272.1	019.9	265.6	025.0000	0053.0	109.4	39.16
074.0	000.1823	0271.2	019.9	265.4	025.0000	0052.7	109.4	39.16
075.0	000.1836	0270.2	019.9	265.2	025.0000	0052.5	109.3	39.16
076.0	000.1850	0269.2	019.9	265.0	025.0000	0052.2	109.3	39.16
077.0	000.1850	0268.4	019.9	264.8	025.0000	0052.0	109.3	39.15
078.0	000.1863	0267.7	019.9	264.7	025.0000	0051.8	109.2	39.15
079.0	000.1863	0267.0	019.9	264.5	025.0000	0051.6	109.2	39.14
080.0	000.1877	0266.4	019.9	264.3	025.0000	0051.4	109.2	39.14
081.0	000.1918	0266.2	020.0	264.1	025.0000	0051.2	109.1	39.15
082.0	000.1974	0266.3	020.1	263.9	025.0000	0051.0	108.9	39.18
083.0	000.2016	0266.3	020.2	263.8	025.0000	0050.9	108.8	39.19
084.0	000.2074	0266.7	020.4	263.6	025.0000	0050.9	108.6	39.22
085.0	000.2117	0267.2	020.5	263.4	025.0000	0050.9	108.5	39.24
086.0	000.2161	0267.8	020.6	263.2	025.0000	0051.0	108.4	39.26
087.0	000.2220	0268.2	020.8	263.0	025.0000	0051.1	108.3	39.29
088.0	000.2265	0268.2	020.9	262.8	025.0000	0051.3	108.2	39.31
089.0	000.2326	0268.1	021.0	262.6	025.0000	0051.4	108.2	39.33
090.0	000.2372	0268.0	021.1	262.4	025.0000	0051.6	108.1	39.35
091.0	000.2465	0267.9	021.3	262.2	025.0000	0051.9	108.0	39.38
092.0	000.2560	0267.8	021.5	262.0	025.0000	0052.1	107.9	39.41
093.0	000.2657	0267.7	021.7	261.7	025.0000	0052.3	107.8	39.44
094.0	000.2756	0267.7	021.9	261.5	025.0000	0052.6	107.7	39.47
095.0	000.2856	0267.4	022.0	261.3	025.0000	0052.8	107.6	39.49
096.0	000.2941	0266.7	022.2	261.1	025.0000	0053.1	107.6	39.51
097.0	000.3045	0265.8	022.3	260.9	025.0000	0053.3	107.5	39.52
098.0	000.3151	0264.9	022.5	260.6	025.0000	0053.6	107.5	39.54
099.0	000.3258	0263.7	022.6	260.4	025.0000	0053.9	107.5	39.55
100.0	000.3367	0263.0	022.7	260.2	025.0000	0054.2	107.5	39.56
101.0	000.3553	0262.5	023.0	260.0	025.0000	0054.5	107.4	39.59
102.0	000.3725	0262.1	023.3	259.7	025.0000	0054.8	107.3	39.62
103.0	000.3901	0261.4	023.5	259.5	025.0000	0055.1	107.3	39.64
104.0	000.4080	0260.4	023.7	259.2	025.0000	0055.4	107.3	39.65
105.0	000.4264	0259.4	023.9	259.0	025.0000	0055.7	107.3	39.66
106.0	000.4473	0258.8	024.1	258.7	025.0000	0056.1	107.3	39.68
107.0	000.4687	0258.6	024.4	258.4	025.0000	0056.5	107.2	39.70
108.0	000.4906	0258.5	024.6	258.2	025.0000	0057.0	107.2	39.72
109.0	000.5130	0258.2	024.9	257.9	025.0000	0057.4	107.2	39.73
110.0	000.5382	0257.8	025.1	257.6	025.0000	0057.9	107.3	39.75

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
111.0	000.5641	0257.5	025.4	257.4	025.0000	0058.4	107.3	39.76
112.0	000.5905	0257.3	025.7	257.1	025.0000	0058.9	107.3	39.77
113.0	000.6175	0257.1	025.9	256.8	025.0000	0059.5	107.4	39.78
114.0	000.6477	0257.0	026.2	256.5	025.0000	0060.0	107.5	39.79
115.0	000.6760	0257.0	026.5	256.3	025.0000	0060.6	107.5	39.80
116.0	000.7102	0257.4	026.8	256.0	025.0000	0061.2	107.6	39.81
117.0	000.7426	0258.0	027.1	255.7	025.0000	0061.8	107.7	39.81
118.0	000.7784	0258.5	027.4	255.4	025.0000	0062.4	107.8	39.82
119.0	000.8151	0258.9	027.7	255.1	025.0000	0063.0	107.9	39.82
120.0	000.8526	0259.3	028.0	254.8	025.0000	0063.5	108.0	39.81
121.0	000.8940	0259.5	028.3	254.5	025.0000	0064.0	108.2	39.80
122.0	000.9333	0259.7	028.6	254.2	025.0000	0064.4	108.3	39.79
123.0	000.9797	0260.0	029.0	253.9	025.0000	0064.9	108.5	39.77
124.0	001.0240	0260.4	029.3	253.6	025.0000	0065.3	108.7	39.75
125.0	001.0726	0261.1	029.7	253.2	025.0000	0065.7	108.9	39.73
126.0	001.1223	0261.9	030.0	252.9	025.0000	0066.0	109.1	39.71
127.0	001.1765	0262.7	030.4	252.6	025.0000	0066.3	109.3	39.68
128.0	001.2320	0263.3	030.8	252.3	025.0000	0066.5	109.5	39.64
129.0	001.2888	0263.9	031.1	252.0	025.0000	0066.7	109.8	39.60
130.0	001.3506	0264.4	031.5	251.7	025.0000	0066.8	110.0	39.56
131.0	001.4138	0264.7	031.9	251.3	025.0000	0067.0	110.3	39.51
132.0	001.4822	0264.9	032.3	251.0	025.0000	0067.1	110.6	39.45
133.0	001.5524	0265.1	032.6	250.7	025.0000	0067.2	111.0	39.40
134.0	001.6241	0265.4	033.0	250.4	025.0000	0067.2	111.3	39.33
135.0	001.7016	0265.7	033.4	250.1	025.0000	0067.3	111.7	39.27
136.0	001.7808	0266.1	033.8	249.8	025.0000	0067.4	112.1	39.20
137.0	001.8662	0266.5	034.1	249.5	025.0000	0067.4	112.5	39.13
138.0	001.9536	0266.6	034.5	249.2	025.0000	0067.5	112.9	39.06
139.0	002.0430	0266.7	034.9	249.0	025.0000	0067.6	113.4	38.98
140.0	002.1391	0266.9	035.2	248.7	025.0000	0067.7	113.8	38.90
141.0	002.2278	0267.2	035.6	248.4	025.0000	0067.8	114.3	38.81
142.0	002.3184	0267.8	035.9	248.2	025.0000	0067.9	114.8	38.72
143.0	002.4059	0268.5	036.2	248.0	025.0000	0068.0	115.4	38.63

01-30-2009 FCC NGDC 30 Sec Terrain Data

WLIU BLED19940908KA
Channel = 202B1
Max ERP = 25 kW
RCAMSL = 75 M
N. Lat. 40 53 17.0
W. Lng. 72 26 43.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
204.0	025.0000	0075.0	034.4	097.7	000.3117	0265.2	115.6	25.21	
205.0	025.0000	0075.0	034.4	097.6	000.3108	0265.3	115.0	25.33	
206.0	025.0000	0075.0	034.4	097.5	000.3098	0265.3	114.4	25.45	
207.0	025.0000	0075.0	034.4	097.4	000.3088	0265.4	113.9	25.57	
208.0	025.0000	0075.0	034.4	097.3	000.3078	0265.5	113.3	25.69	
209.0	025.0000	0075.0	034.4	097.2	000.3067	0265.6	112.7	25.82	
210.0	025.0000	0075.0	034.4	097.1	000.3055	0265.7	112.2	25.94	
211.0	025.0000	0075.0	034.4	097.0	000.3043	0265.8	111.6	26.06	
212.0	025.0000	0075.0	034.4	096.9	000.3030	0265.9	111.1	26.18	
213.0	025.0000	0075.0	034.4	096.7	000.3016	0266.0	110.5	26.30	
214.0	025.0000	0075.0	034.4	096.6	000.3002	0266.2	110.0	26.43	
215.0	025.0000	0075.0	034.4	096.4	000.2987	0266.3	109.5	26.55	
216.0	025.0000	0075.0	034.4	096.3	000.2971	0266.4	108.9	26.67	
217.0	025.0000	0075.0	034.4	096.1	000.2955	0266.6	108.4	26.79	
218.0	025.0000	0075.0	034.4	096.0	000.2939	0266.7	107.9	26.91	
219.0	025.0000	0075.0	034.4	095.8	000.2925	0266.8	107.4	27.04	
220.0	025.0000	0075.0	034.4	095.6	000.2910	0267.0	106.9	27.16	
221.0	025.0000	0075.0	034.4	095.4	000.2894	0267.2	106.4	27.28	
222.0	025.0000	0075.0	034.4	095.3	000.2878	0267.3	105.9	27.40	
223.0	025.0000	0075.0	034.4	095.1	000.2862	0267.4	105.4	27.52	
224.0	025.0000	0075.0	034.4	094.9	000.2843	0267.5	105.0	27.63	
225.0	025.0000	0075.0	034.4	094.7	000.2822	0267.6	104.5	27.73	
226.0	025.0000	0075.0	034.4	094.4	000.2801	0267.6	104.0	27.84	
227.0	025.0000	0075.0	034.4	094.2	000.2779	0267.7	103.6	27.94	
228.0	025.0000	0075.0	034.4	094.0	000.2756	0267.7	103.1	28.03	
229.0	025.0000	0075.0	034.4	093.8	000.2733	0267.7	102.7	28.13	
230.0	025.0000	0075.0	034.4	093.5	000.2709	0267.7	102.3	28.22	
231.0	025.0000	0075.0	034.4	093.3	000.2685	0267.7	101.9	28.30	
232.0	025.0000	0074.9	034.3	093.0	000.2660	0267.7	101.5	28.38	
233.0	025.0000	0074.8	034.3	092.8	000.2635	0267.7	101.1	28.45	
234.0	025.0000	0074.7	034.3	092.5	000.2608	0267.8	100.7	28.52	
235.0	025.0000	0074.5	034.3	092.2	000.2581	0267.8	100.4	28.58	
236.0	025.0000	0074.3	034.2	091.9	000.2554	0267.8	100.1	28.64	
237.0	025.0000	0074.1	034.2	091.6	000.2525	0267.8	099.8	28.68	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
238.0	025.0000	0073.8	034.1	091.3	000.2497	0267.8	099.5	28.73
239.0	025.0000	0073.6	034.1	091.0	000.2468	0267.9	099.2	28.77
240.0	025.0000	0073.2	034.0	090.7	000.2439	0268.0	098.9	28.79
241.0	025.0000	0072.7	033.9	090.4	000.2408	0268.0	098.7	28.80
242.0	025.0000	0072.2	033.8	090.1	000.2378	0268.0	098.5	28.81
243.0	025.0000	0071.8	033.7	089.7	000.2360	0268.0	098.3	28.84
244.0	025.0000	0071.3	033.6	089.4	000.2344	0268.1	098.1	28.87
245.0	025.0000	0070.5	033.4	089.1	000.2328	0268.1	098.1	28.86
246.0	025.0000	0069.5	033.2	088.7	000.2307	0268.1	098.0	28.84
247.0	025.0000	0068.6	033.0	088.3	000.2285	0268.1	098.0	28.81
248.0	025.0000	0067.9	032.8	088.0	000.2264	0268.2	097.9	28.80
249.0	025.0000	0067.6	032.7	087.7	000.2250	0268.2	097.8	28.80
250.0	025.0000	0067.3	032.7	087.3	000.2235	0268.2	097.6	28.82
251.0	025.0000	0067.1	032.6	087.0	000.2220	0268.2	097.5	28.82
252.0	025.0000	0066.7	032.5	086.7	000.2200	0268.1	097.4	28.80
253.0	025.0000	0065.9	032.4	086.3	000.2179	0267.9	097.5	28.75
254.0	025.0000	0064.7	032.1	086.0	000.2159	0267.8	097.6	28.66
255.0	025.0000	0063.1	031.7	085.6	000.2143	0267.5	097.8	28.55
256.0	025.0000	0061.2	031.3	085.2	000.2127	0267.4	098.2	28.42
257.0	025.0000	0059.1	030.8	084.9	000.2111	0267.2	098.5	28.26
258.0	025.0000	0057.3	030.4	084.5	000.2097	0267.0	098.9	28.12
259.0	025.0000	0055.7	030.0	084.2	000.2082	0266.8	099.2	27.98
260.0	025.0000	0054.4	029.7	083.9	000.2067	0266.6	099.5	27.86
261.0	025.0000	0053.2	029.4	083.6	000.2049	0266.5	099.8	27.73
262.0	025.0000	0052.1	029.1	083.3	000.2032	0266.3	100.0	27.61
263.0	025.0000	0051.1	028.8	083.0	000.2016	0266.3	100.3	27.50
264.0	025.0000	0051.1	028.8	082.7	000.2003	0266.3	100.3	27.47
265.0	025.0000	0052.2	029.1	082.4	000.1991	0266.3	100.0	27.53
266.0	025.0000	0053.7	029.5	082.1	000.1978	0266.3	099.6	27.61
267.0	025.0000	0055.6	030.0	081.8	000.1961	0266.3	099.2	27.72
268.0	025.0000	0057.0	030.3	081.5	000.1944	0266.3	098.9	27.77
269.0	025.0000	0058.3	030.7	081.1	000.1925	0266.2	098.6	27.81
270.0	025.0000	0059.7	031.0	080.8	000.1910	0266.2	098.4	27.84
271.0	025.0000	0061.0	031.3	080.5	000.1895	0266.3	098.2	27.88
272.0	025.0000	0062.2	031.5	080.1	000.1881	0266.4	098.0	27.90
273.0	025.0000	0063.5	031.8	079.8	000.1874	0266.5	097.8	27.94
274.0	025.0000	0064.3	032.0	079.4	000.1869	0266.7	097.8	27.95
275.0	025.0000	0065.1	032.2	079.1	000.1864	0266.9	097.8	27.95
276.0	025.0000	0065.9	032.4	078.7	000.1863	0267.2	097.7	27.97
277.0	025.0000	0066.4	032.5	078.4	000.1863	0267.4	097.8	27.96
278.0	025.0000	0066.8	032.6	078.1	000.1863	0267.7	097.9	27.93
279.0	025.0000	0067.1	032.6	077.7	000.1859	0267.9	098.0	27.89
280.0	025.0000	0067.8	032.8	077.4	000.1855	0268.1	098.1	27.87
281.0	025.0000	0068.9	033.0	077.0	000.1850	0268.4	098.1	27.87
282.0	025.0000	0070.0	033.3	076.6	000.1850	0268.7	098.1	27.88
283.0	025.0000	0071.0	033.5	076.3	000.1850	0269.0	098.1	27.87
284.0	025.0000	0071.8	033.7	075.9	000.1849	0269.3	098.2	27.84
285.0	025.0000	0072.5	033.8	075.6	000.1844	0269.6	098.4	27.80
286.0	025.0000	0073.1	034.0	075.2	000.1839	0270.0	098.5	27.75
287.0	025.0000	0073.7	034.1	074.9	000.1835	0270.3	098.7	27.68
288.0	025.0000	0074.2	034.2	074.6	000.1830	0270.6	099.0	27.61

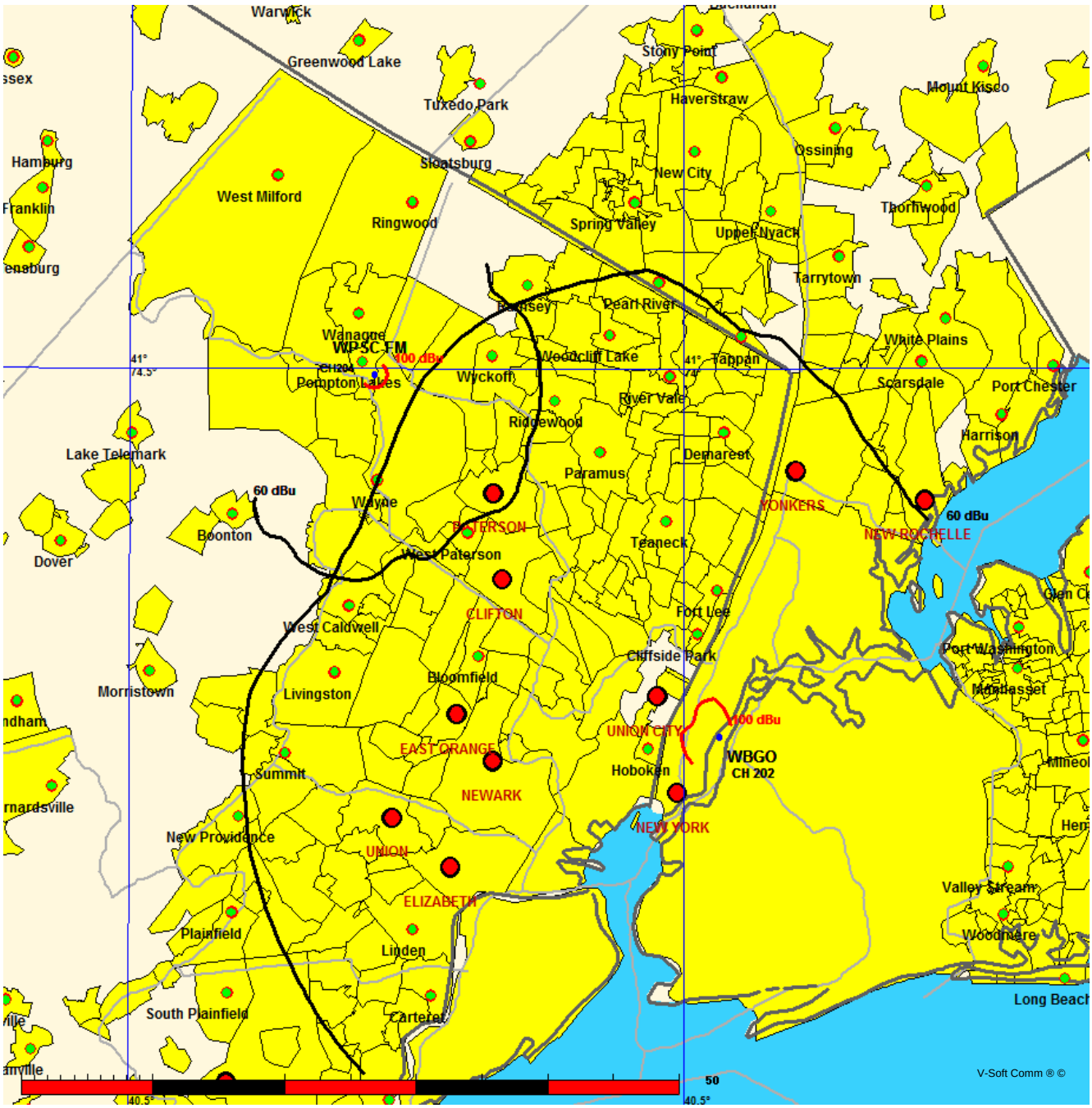
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
289.0	025.0000	0074.5	034.3	074.3	000.1826	0271.0	099.2	27.53
290.0	025.0000	0074.8	034.3	074.0	000.1823	0271.3	099.5	27.44
291.0	025.0000	0074.9	034.3	073.7	000.1823	0271.5	099.9	27.35
292.0	025.0000	0074.9	034.3	073.4	000.1823	0271.8	100.2	27.25
293.0	025.0000	0074.8	034.3	073.2	000.1823	0271.9	100.6	27.13
294.0	025.0000	0074.6	034.3	072.9	000.1821	0272.1	101.0	27.01
295.0	025.0000	0074.2	034.2	072.7	000.1818	0272.3	101.5	26.87
296.0	025.0000	0073.8	034.1	072.5	000.1815	0272.4	101.9	26.72
297.0	025.0000	0073.4	034.0	072.3	000.1812	0272.6	102.4	26.58
298.0	025.0000	0073.1	034.0	072.0	000.1810	0272.7	102.9	26.44
299.0	025.0000	0072.7	033.9	071.8	000.1809	0272.9	103.3	26.30
300.0	025.0000	0072.4	033.8	071.7	000.1809	0273.0	103.8	26.16
301.0	025.0000	0072.1	033.7	071.5	000.1809	0273.2	104.3	26.02
302.0	025.0000	0072.0	033.7	071.3	000.1809	0273.4	104.8	25.89
303.0	025.0000	0071.9	033.7	071.1	000.1809	0273.5	105.2	25.76
304.0	025.0000	0071.9	033.7	070.9	000.1807	0273.6	105.7	25.63
305.0	025.0000	0071.7	033.7	070.7	000.1805	0273.8	106.2	25.48
306.0	025.0000	0071.7	033.6	070.5	000.1802	0273.9	106.7	25.34
307.0	025.0000	0071.7	033.7	070.3	000.1800	0274.0	107.1	25.21
308.0	025.0000	0071.7	033.7	070.1	000.1798	0274.2	107.6	25.07
309.0	025.0000	0071.6	033.6	070.0	000.1796	0274.3	108.1	24.93
310.0	025.0000	0071.6	033.6	069.8	000.1803	0274.4	108.6	24.81
311.0	025.0000	0072.0	033.7	069.6	000.1810	0274.5	109.1	24.70
312.0	025.0000	0072.4	033.8	069.4	000.1818	0274.7	109.6	24.60
313.0	025.0000	0072.6	033.8	069.3	000.1825	0274.8	110.1	24.48
314.0	025.0000	0072.5	033.8	069.2	000.1830	0274.9	110.6	24.36
315.0	025.0000	0072.5	033.8	069.0	000.1835	0274.9	111.1	24.24
316.0	025.0000	0072.6	033.9	068.9	000.1839	0275.0	111.6	24.11
317.0	025.0000	0072.8	033.9	068.7	000.1843	0275.1	112.2	23.99
318.0	025.0000	0072.8	033.9	068.6	000.1846	0275.1	112.7	23.87
319.0	025.0000	0072.8	033.9	068.5	000.1849	0275.2	113.3	23.74
320.0	025.0000	0072.8	033.9	068.4	000.1852	0275.2	113.8	23.62
321.0	025.0000	0072.9	033.9	068.3	000.1855	0275.3	114.4	23.49
322.0	025.0000	0073.1	034.0	068.2	000.1858	0275.3	114.9	23.37
323.0	025.0000	0073.5	034.0	068.1	000.1861	0275.3	115.5	23.25
324.0	025.0000	0073.7	034.1	068.0	000.1864	0275.4	116.0	23.13

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 2.54 km, Out= 20.88 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WPSC-FM CH 204 A BLED19881216KB
Lat= 40 59 46.0, Lng= 74 16 51.0
0.2 kW 79 M HAAT, 211 M COR
Prot.= 60 dBu, Intef.= 100 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WPSC-FM BLED19881216KB
Channel = 204A
Max ERP = 0.2 kW
RCAMSL = 211 M
N. Lat. 40 59 46.0
W. Lng. 74 16 51.0
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
256.0	002.5000	0271.6	036.7	194.4	000.2000	0158.6	037.2	45.74	
257.0	002.5000	0271.1	036.7	194.8	000.2000	0158.4	036.6	46.02	
258.0	002.5000	0270.4	036.6	195.2	000.2000	0158.2	036.0	46.30	
259.0	002.5000	0269.3	036.6	195.6	000.2000	0157.9	035.4	46.59	
260.0	002.5000	0268.1	036.5	195.9	000.2000	0157.6	034.8	46.88	
261.0	002.5000	0267.1	036.4	196.3	000.2000	0157.3	034.2	47.16	
262.0	002.5000	0266.5	036.4	196.7	000.2000	0156.9	033.6	47.45	
263.0	002.5000	0266.2	036.4	197.1	000.2000	0156.5	033.0	47.72	
264.0	002.5000	0266.1	036.4	197.6	000.2000	0156.0	032.4	48.00	
265.0	002.5000	0265.8	036.4	198.0	000.2000	0155.5	031.8	48.28	
266.0	002.5000	0265.6	036.4	198.4	000.2000	0155.0	031.2	48.57	
267.0	002.5000	0265.1	036.3	198.8	000.2000	0154.5	030.6	48.87	
268.0	002.5000	0264.5	036.3	199.2	000.2000	0153.9	030.0	49.18	
269.0	002.5000	0263.9	036.3	199.5	000.2000	0153.5	029.4	49.51	
270.0	002.5000	0262.6	036.2	199.8	000.2000	0153.1	028.8	49.87	
271.0	002.5000	0261.3	036.1	200.1	000.2000	0152.9	028.2	50.24	
272.0	002.5000	0260.0	036.0	200.4	000.2000	0152.6	027.6	50.63	
273.0	002.5000	0258.9	036.0	200.6	000.2000	0152.4	027.0	51.02	
274.0	002.5000	0258.5	035.9	201.0	000.2000	0152.1	026.4	51.41	
275.0	002.5000	0258.5	035.9	201.4	000.2000	0151.9	025.7	51.80	
276.0	002.4305	0258.4	035.7	201.3	000.2000	0151.9	025.1	52.27	
277.0	002.3571	0258.3	035.5	201.1	000.2000	0152.0	024.4	52.75	
278.0	002.2896	0258.1	035.2	200.9	000.2000	0152.2	023.8	53.23	
279.0	002.2184	0257.8	035.0	200.6	000.2000	0152.4	023.1	53.73	
280.0	002.1530	0257.4	034.7	200.3	000.2000	0152.7	022.5	54.23	
281.0	002.0771	0257.3	034.4	199.8	000.2000	0153.2	021.8	54.75	
282.0	002.0026	0257.2	034.1	199.3	000.2000	0153.8	021.2	55.28	
283.0	001.9294	0257.0	033.8	198.6	000.2000	0154.7	020.6	55.82	
284.0	001.8576	0256.8	033.5	197.9	000.2000	0155.6	020.0	56.36	
285.0	001.7872	0256.7	033.2	197.1	000.2000	0156.5	019.4	56.89	
286.0	001.7181	0256.8	032.9	196.3	000.2000	0157.3	018.8	57.41	
287.0	001.6504	0257.3	032.6	195.3	000.2000	0158.1	018.2	57.92	
288.0	001.5840	0257.9	032.3	194.4	000.2000	0158.6	017.7	58.40	
289.0	001.5191	0258.6	032.1	193.3	000.2000	0158.7	017.1	58.85	
290.0	001.4554	0259.3	031.8	192.1	000.2000	0158.7	016.6	59.28	
291.0	001.4474	0259.8	031.8	191.8	000.2000	0158.7	016.1	59.74	
292.0	001.4394	0260.2	031.7	191.4	000.2000	0158.7	015.5	60.19	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
293.0	001.4315	0260.7	031.7	190.9	000.2000	0158.7	015.0	60.52
294.0	001.4236	0261.1	031.7	190.4	000.2000	0158.8	014.4	61.13
295.0	001.4156	0261.3	031.7	189.7	000.2000	0159.0	013.9	61.78
296.0	001.4078	0261.4	031.6	188.9	000.2000	0159.1	013.4	62.46
297.0	001.3999	0261.6	031.6	188.0	000.2000	0159.3	012.9	63.17
298.0	001.3920	0261.8	031.6	187.1	000.2000	0159.5	012.4	63.90
299.0	001.3842	0262.1	031.6	186.0	000.2000	0159.5	011.9	64.66
300.0	001.3764	0262.3	031.5	184.8	000.2000	0158.9	011.4	65.38
301.0	001.3999	0262.5	031.7	184.2	000.2000	0158.6	010.8	66.27
302.0	001.4236	0262.3	031.8	183.3	000.2000	0158.2	010.3	67.16
303.0	001.4474	0262.0	031.9	182.3	000.2000	0157.5	009.7	68.07
304.0	001.4715	0261.7	032.0	181.1	000.2000	0156.2	009.2	68.97
305.0	001.4958	0261.6	032.1	179.7	000.2000	0153.2	008.7	69.80
306.0	001.5202	0261.7	032.3	178.2	000.2000	0149.4	008.1	70.61
307.0	001.5449	0261.8	032.4	176.3	000.2000	0142.2	007.6	71.27
308.0	001.5697	0262.0	032.5	174.2	000.2000	0134.5	007.1	72.03
309.0	001.5948	0262.3	032.7	171.6	000.2000	0130.2	006.6	73.07
310.0	001.6201	0262.5	032.8	168.5	000.2000	0129.6	006.1	74.35
311.0	001.6716	0262.6	033.1	165.4	000.2000	0138.7	005.6	76.47
312.0	001.7239	0262.4	033.3	161.5	000.2000	0139.9	005.1	78.05
313.0	001.7770	0262.4	033.5	156.6	000.2000	0130.9	004.6	79.02
314.0	001.8310	0262.5	033.8	150.5	000.2000	0119.8	004.2	79.92
315.0	001.8857	0262.7	034.0	142.9	000.2000	0123.1	003.8	81.50
316.0	001.9413	0262.6	034.2	133.9	000.2000	0135.6	003.6	83.15
317.0	001.9976	0262.3	034.4	123.7	000.2000	0123.8	003.4	83.12
318.0	002.0548	0262.1	034.6	113.1	000.2000	0110.3	003.4	82.37
319.0	002.1128	0262.0	034.8	102.9	000.2000	0111.6	003.6	81.90
320.0	002.1716	0261.9	035.0	093.6	000.2000	0108.9	003.8	80.68
321.0	002.2043	0261.6	035.1	087.0	000.2000	0107.3	004.2	78.96
322.0	002.2373	0261.3	035.2	081.6	000.2000	0105.4	004.7	77.16
323.0	002.2658	0261.4	035.3	077.2	000.2000	0103.7	005.2	75.40
324.0	002.2992	0261.8	035.5	073.5	000.2000	0102.9	005.7	73.71
325.0	002.3329	0262.2	035.6	070.4	000.2000	0101.9	006.3	71.99
326.0	002.3668	0262.2	035.7	068.1	000.2000	0099.2	006.8	70.15
327.0	002.4010	0261.9	035.8	066.5	000.2000	0096.0	007.4	68.31
328.0	002.4305	0261.3	035.9	065.3	000.2000	0093.5	008.0	66.71
329.0	002.4651	0260.6	035.9	064.4	000.2000	0091.7	008.6	65.32
330.0	002.5000	0260.1	036.0	063.6	000.2000	0090.3	009.3	64.02
331.0	002.5000	0259.8	036.0	063.5	000.2000	0090.2	009.9	62.87
332.0	002.5000	0259.7	036.0	063.4	000.2000	0090.0	010.5	61.76
333.0	002.5000	0259.6	036.0	063.3	000.2000	0090.0	011.1	60.71
334.0	002.5000	0259.4	036.0	063.4	000.2000	0090.0	011.8	59.72
335.0	002.5000	0259.0	036.0	063.6	000.2000	0090.3	012.4	58.81
336.0	002.5000	0258.4	035.9	063.8	000.2000	0090.7	013.0	57.96
337.0	002.5000	0257.5	035.9	064.1	000.2000	0091.3	013.6	57.18
338.0	002.5000	0256.6	035.8	064.5	000.2000	0091.9	014.3	56.47
339.0	002.5000	0255.7	035.8	064.9	000.2000	0092.6	014.9	55.83
340.0	002.5000	0255.1	035.7	065.2	000.2000	0093.2	015.5	55.48
341.0	002.5000	0254.8	035.7	065.4	000.2000	0093.8	016.1	55.00
342.0	002.5000	0254.5	035.7	065.7	000.2000	0094.4	016.7	54.54
343.0	002.5000	0253.9	035.6	066.1	000.2000	0095.2	017.3	54.10

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
344.0	002.5000	0252.9	035.6	066.5	000.2000	0096.1	018.0	53.69
345.0	002.5000	0252.2	035.5	066.9	000.2000	0097.0	018.6	53.27
346.0	002.5000	0252.0	035.5	067.2	000.2000	0097.6	019.2	52.83
347.0	002.5000	0251.9	035.5	067.5	000.2000	0098.2	019.8	52.39
348.0	002.5000	0251.9	035.5	067.8	000.2000	0098.7	020.4	51.95
349.0	002.5000	0251.9	035.5	068.1	000.2000	0099.2	021.0	51.52
350.0	002.5000	0251.2	035.5	068.6	000.2000	0099.8	021.6	51.11
351.0	002.5000	0250.4	035.4	069.0	000.2000	0100.5	022.2	50.71
352.0	002.4419	0249.7	035.2	069.9	000.2000	0101.4	022.7	50.38
353.0	002.3320	0249.3	034.8	071.1	000.2000	0102.4	023.3	50.09
354.0	002.2271	0248.9	034.4	072.4	000.2000	0102.9	023.8	49.75
355.0	002.1268	0248.2	034.0	073.6	000.2000	0102.9	024.3	49.39
356.0	002.0311	0246.5	033.6	074.9	000.2000	0103.0	024.8	49.05
357.0	001.9397	0245.5	033.2	076.1	000.2000	0103.2	025.3	48.72
358.0	001.8524	0245.1	032.8	077.2	000.2000	0103.6	025.7	48.42
359.0	001.7690	0243.4	032.3	078.4	000.2000	0104.3	026.2	48.17
000.0	001.6894	0241.7	031.8	079.6	000.2000	0104.8	026.7	47.90
001.0	001.6134	0240.3	031.4	080.8	000.2000	0105.2	027.2	47.63
002.0	001.5408	0239.3	031.0	081.8	000.2000	0105.5	027.6	47.36
003.0	001.4714	0238.7	030.6	082.8	000.2000	0106.2	028.1	47.13
004.0	001.4052	0242.1	030.5	083.2	000.2000	0106.6	028.6	46.86
005.0	001.3419	0245.5	030.4	083.6	000.2000	0107.0	029.1	46.60
006.0	001.2815	0249.4	030.3	084.0	000.2000	0107.3	029.6	46.33
007.0	001.2239	0256.1	030.3	084.2	000.2000	0107.3	030.1	46.03
008.0	001.1688	0261.1	030.3	084.5	000.2000	0107.2	030.6	45.75
009.0	001.1162	0265.1	030.2	084.9	000.2000	0107.1	031.1	45.47
010.0	001.0659	0265.4	029.8	085.7	000.2000	0107.1	031.5	45.25
011.0	001.0180	0264.0	029.5	086.6	000.2000	0107.2	031.9	45.06
012.0	000.9722	0261.7	029.0	087.6	000.2000	0107.5	032.3	44.90
013.0	000.9284	0260.6	028.7	088.4	000.2000	0107.7	032.7	44.72
014.0	000.8866	0260.2	028.3	089.2	000.2000	0107.8	033.1	44.54
015.0	000.8467	0260.3	028.0	089.9	000.2000	0108.0	033.5	44.35
016.0	000.8086	0261.7	027.8	090.5	000.2000	0108.0	033.9	44.17

01-30-2009 FCC NGDC 30 Sec Terrain Data

WPSC-FM BLED19881216KB
Channel = 204A
Max ERP = 0.2 kW
RCAMSL = 211 M
N. Lat. 40 59 46.0
W. Lng. 74 16 51.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
076.0	000.2000	0103.2	012.4	334.6	002.5000	0259.2	033.4	62.90	
077.0	000.2000	0103.5	012.4	334.5	002.5000	0259.2	033.1	63.01	
078.0	000.2000	0104.1	012.4	334.5	002.5000	0259.2	032.9	63.12	
079.0	000.2000	0104.6	012.4	334.5	002.5000	0259.2	032.7	63.22	
080.0	000.2000	0105.0	012.5	334.4	002.5000	0259.3	032.5	63.33	
081.0	000.2000	0105.2	012.5	334.3	002.5000	0259.3	032.3	63.44	
082.0	000.2000	0105.6	012.5	334.2	002.5000	0259.3	032.1	63.55	
083.0	000.2000	0106.4	012.6	334.2	002.5000	0259.3	031.8	63.66	
084.0	000.2000	0107.3	012.6	334.1	002.5000	0259.4	031.6	63.78	
085.0	000.2000	0107.0	012.6	334.0	002.5000	0259.4	031.4	63.89	
086.0	000.2000	0107.1	012.6	333.8	002.5000	0259.5	031.2	64.00	
087.0	000.2000	0107.3	012.6	333.7	002.5000	0259.5	031.0	64.11	
088.0	000.2000	0107.4	012.6	333.5	002.5000	0259.5	030.8	64.23	
089.0	000.2000	0107.8	012.6	333.4	002.5000	0259.5	030.6	64.34	
090.0	000.2000	0108.0	012.6	333.2	002.5000	0259.6	030.4	64.46	
091.0	000.2000	0108.1	012.7	333.1	002.5000	0259.6	030.2	64.57	
092.0	000.2000	0108.1	012.7	332.9	002.5000	0259.6	030.0	64.68	
093.0	000.2000	0108.5	012.7	332.7	002.5000	0259.7	029.8	64.80	
094.0	000.2000	0109.1	012.7	332.5	002.5000	0259.7	029.6	64.92	
095.0	000.2000	0109.5	012.7	332.3	002.5000	0259.7	029.4	65.04	
096.0	000.2000	0109.9	012.8	332.1	002.5000	0259.7	029.2	65.16	
097.0	000.2000	0110.1	012.8	331.9	002.5000	0259.7	029.0	65.28	
098.0	000.2000	0110.3	012.8	331.6	002.5000	0259.7	028.8	65.39	
099.0	000.2000	0110.8	012.8	331.4	002.5000	0259.7	028.6	65.51	
100.0	000.2000	0111.3	012.8	331.2	002.5000	0259.7	028.4	65.63	
101.0	000.2000	0111.7	012.9	330.9	002.5000	0259.8	028.2	65.75	
102.0	000.2000	0111.9	012.9	330.6	002.5000	0259.9	028.1	65.87	
103.0	000.2000	0111.6	012.8	330.3	002.5000	0260.0	027.9	65.97	
104.0	000.2000	0111.5	012.8	330.0	002.4995	0260.1	027.7	66.07	
105.0	000.2000	0111.8	012.9	329.7	002.4889	0260.3	027.6	66.17	
106.0	000.2000	0112.1	012.9	329.4	002.4780	0260.4	027.4	66.27	
107.0	000.2000	0112.2	012.9	329.0	002.4663	0260.6	027.2	66.36	
108.0	000.2000	0112.0	012.9	328.7	002.4534	0260.9	027.1	66.43	
109.0	000.2000	0111.5	012.8	328.3	002.4394	0261.2	027.0	66.50	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
110.0	000.2000	0111.1	012.8	327.9	002.4261	0261.4	026.9	66.57
111.0	000.2000	0110.5	012.8	327.4	002.4138	0261.7	026.7	66.63
112.0	000.2000	0110.2	012.8	327.0	002.4016	0261.9	026.6	66.69
113.0	000.2000	0110.3	012.8	326.6	002.3883	0262.1	026.5	66.76
114.0	000.2000	0110.8	012.8	326.3	002.3755	0262.2	026.4	66.84
115.0	000.2000	0111.8	012.9	325.9	002.3635	0262.3	026.2	66.93
116.0	000.2000	0113.4	012.9	325.6	002.3521	0262.3	026.0	67.04
117.0	000.2000	0115.4	013.1	325.2	002.3411	0262.2	025.8	67.16
118.0	000.2000	0117.3	013.2	324.9	002.3295	0262.2	025.6	67.27
119.0	000.2000	0119.0	013.2	324.5	002.3168	0262.1	025.4	67.37
120.0	000.2000	0120.3	013.3	324.1	002.3030	0261.9	025.3	67.46
121.0	000.2000	0121.5	013.4	323.7	002.2885	0261.7	025.1	67.53
122.0	000.2000	0122.4	013.4	323.2	002.2731	0261.5	025.0	67.58
123.0	000.2000	0123.1	013.5	322.7	002.2585	0261.4	024.9	67.64
124.0	000.2000	0124.2	013.5	322.3	002.2449	0261.3	024.7	67.70
125.0	000.2000	0125.6	013.6	321.8	002.2306	0261.4	024.6	67.77
126.0	000.2000	0127.4	013.7	321.3	002.2150	0261.5	024.4	67.86
127.0	000.2000	0129.3	013.8	320.8	002.1990	0261.6	024.3	67.95
128.0	000.2000	0131.1	013.9	320.3	002.1825	0261.8	024.1	68.04
129.0	000.2000	0132.8	014.0	319.8	002.1603	0261.9	024.0	68.09
130.0	000.2000	0134.0	014.0	319.3	002.1280	0262.0	023.9	68.11
131.0	000.2000	0134.8	014.1	318.7	002.0949	0262.0	023.8	68.11
132.0	000.2000	0135.3	014.1	318.1	002.0612	0262.1	023.7	68.08
133.0	000.2000	0135.5	014.1	317.5	002.0274	0262.2	023.7	68.04
134.0	000.2000	0135.6	014.1	316.9	001.9935	0262.4	023.7	67.98
135.0	000.2000	0135.2	014.1	316.3	001.9598	0262.5	023.7	67.90
136.0	000.2000	0134.4	014.1	315.7	001.9266	0262.6	023.7	67.80
137.0	000.2000	0133.0	014.0	315.2	001.8942	0262.7	023.8	67.67
138.0	000.2000	0130.8	013.9	314.6	001.8630	0262.6	024.0	67.50
139.0	000.2000	0128.0	013.7	314.0	001.8333	0262.5	024.1	67.31
140.0	000.2000	0125.5	013.6	313.5	001.8047	0262.5	024.3	67.12
141.0	000.2000	0124.2	013.5	313.0	001.7763	0262.4	024.4	66.97
142.0	000.2000	0123.7	013.5	312.5	001.7478	0262.4	024.4	66.86
143.0	000.2000	0123.0	013.5	311.9	001.7199	0262.4	024.5	66.74
144.0	000.2000	0121.7	013.4	311.4	001.6936	0262.5	024.6	66.59
145.0	000.2000	0120.0	013.3	310.9	001.6688	0262.6	024.8	66.43
146.0	000.2000	0118.1	013.2	310.5	001.6452	0262.6	024.9	66.26
147.0	000.2000	0117.0	013.1	310.0	001.6213	0262.5	025.0	66.11
148.0	000.2000	0117.3	013.2	309.5	001.6078	0262.5	025.1	66.02
149.0	000.2000	0118.1	013.2	309.0	001.5945	0262.3	025.1	65.96
150.0	000.2000	0119.2	013.3	308.5	001.5810	0262.1	025.2	65.90
151.0	000.2000	0120.7	013.3	307.9	001.5671	0262.0	025.2	65.84
152.0	000.2000	0122.9	013.4	307.3	001.5525	0261.9	025.2	65.80
153.0	000.2000	0124.9	013.6	306.7	001.5379	0261.8	025.2	65.76
154.0	000.2000	0126.1	013.6	306.2	001.5245	0261.7	025.2	65.68
155.0	000.2000	0127.3	013.7	305.6	001.5111	0261.7	025.3	65.60
156.0	000.2000	0129.4	013.8	305.0	001.4965	0261.6	025.3	65.54
157.0	000.2000	0132.0	013.9	304.4	001.4812	0261.7	025.3	65.49
158.0	000.2000	0134.5	014.1	303.8	001.4660	0261.8	025.3	65.43
159.0	000.2000	0136.2	014.2	303.2	001.4520	0262.0	025.4	65.35
160.0	000.2000	0137.7	014.3	302.6	001.4385	0262.2	025.5	65.26

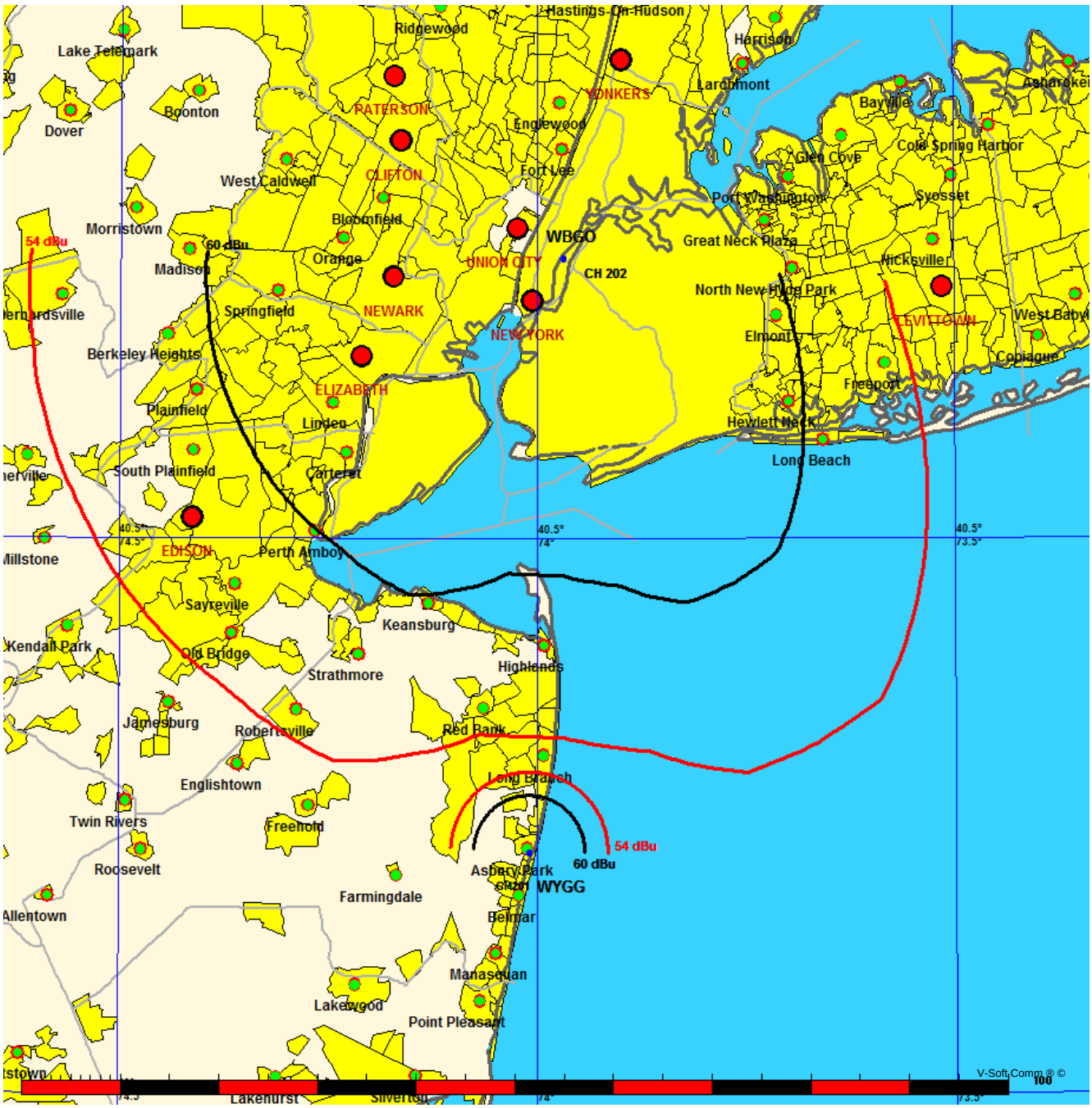
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
161.0	000.2000	0139.2	014.3	302.1	001.4252	0262.3	025.6	65.17
162.0	000.2000	0140.4	014.4	301.5	001.4128	0262.4	025.7	65.06
163.0	000.2000	0140.5	014.4	301.1	001.4026	0262.5	025.8	64.91
164.0	000.2000	0140.3	014.4	300.7	001.3935	0262.5	026.0	64.76
165.0	000.2000	0139.5	014.4	300.4	001.3858	0262.4	026.2	64.59
166.0	000.2000	0137.1	014.2	300.2	001.3817	0262.4	026.5	64.40
167.0	000.2000	0133.4	014.0	300.2	001.3810	0262.4	026.8	64.18
168.0	000.2000	0130.4	013.8	300.1	001.3787	0262.4	027.1	63.98
169.0	000.2000	0129.1	013.8	299.9	001.3773	0262.3	027.3	63.82
170.0	000.2000	0129.2	013.8	299.5	001.3799	0262.2	027.5	63.71
171.0	000.2000	0129.7	013.8	299.2	001.3827	0262.1	027.7	63.61
172.0	000.2000	0130.5	013.9	298.8	001.3856	0262.0	027.8	63.51
173.0	000.2000	0131.8	013.9	298.4	001.3888	0261.9	028.0	63.41
174.0	000.2000	0134.0	014.0	297.9	001.3926	0261.8	028.1	63.34
175.0	000.2000	0137.1	014.2	297.4	001.3971	0261.7	028.2	63.27
176.0	000.2000	0140.7	014.4	296.7	001.4019	0261.5	028.4	63.22
177.0	000.2000	0145.0	014.7	296.0	001.4074	0261.4	028.4	63.17
178.0	000.2000	0148.8	014.9	295.4	001.4123	0261.3	028.6	63.11
179.0	000.2000	0151.4	015.0	294.9	001.4163	0261.3	028.7	63.01
180.0	000.2000	0153.9	015.2	294.4	001.4201	0261.2	028.9	62.92
181.0	000.2000	0156.1	015.3	294.0	001.4236	0261.1	029.1	62.81
182.0	000.2000	0157.2	015.4	293.7	001.4260	0261.0	029.3	62.68
183.0	000.2000	0158.0	015.4	293.4	001.4281	0260.9	029.6	62.54
184.0	000.2000	0158.6	015.4	293.2	001.4300	0260.8	029.8	62.40
185.0	000.2000	0159.0	015.5	293.0	001.4317	0260.7	030.1	62.26
186.0	000.2000	0159.5	015.5	292.8	001.4333	0260.6	030.3	62.12
187.0	000.2000	0159.5	015.5	292.6	001.4343	0260.6	030.6	61.97
188.0	000.2000	0159.3	015.5	292.5	001.4352	0260.5	030.8	61.83
189.0	000.2000	0159.1	015.5	292.4	001.4360	0260.5	031.1	61.69
190.0	000.2000	0158.9	015.5	292.3	001.4367	0260.4	031.4	61.54
191.0	000.2000	0158.7	015.5	292.3	001.4373	0260.4	031.6	61.41
192.0	000.2000	0158.7	015.5	292.2	001.4380	0260.3	031.9	61.27
193.0	000.2000	0158.7	015.5	292.1	001.4387	0260.3	032.2	61.13
194.0	000.2000	0158.7	015.5	292.0	001.4392	0260.3	032.4	61.00
195.0	000.2000	0158.3	015.4	292.0	001.4393	0260.3	032.7	60.87
196.0	000.2000	0157.6	015.4	292.0	001.4392	0260.3	033.0	60.73

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 19.17 km, Out= 5.98 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WYGG CH 201 A BLED19940304KZ
Lat= 40 13 01.0, Lng= 74 00 33.0
0.1 kW 10 M HAAT, 20 M COR
Prot.= 60 dBu, Intef.= 54 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WYGG BLED19940304KZ
Channel = 201A
Max ERP = 0.1 kW
RCAMSL = 20 M
N. Lat. 40 13 01.0
W. Lng. 74 00 33.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
123.0	000.9797	0260.0	029.0	032.3	000.1000	0020.0	051.8	25.55	
124.0	001.0240	0260.4	029.3	032.6	000.1000	0020.0	051.3	25.67	
125.0	001.0726	0261.1	029.7	033.0	000.1000	0020.0	050.7	25.78	
126.0	001.1223	0261.9	030.0	033.4	000.1000	0020.0	050.2	25.90	
127.0	001.1765	0262.7	030.4	033.8	000.1000	0020.0	049.7	26.02	
128.0	001.2320	0263.3	030.8	034.2	000.1000	0020.0	049.1	26.14	
129.0	001.2888	0263.9	031.1	034.6	000.1000	0020.0	048.5	26.26	
130.0	001.3506	0264.4	031.5	035.0	000.1000	0020.0	048.0	26.38	
131.0	001.4138	0264.7	031.9	035.4	000.1000	0020.0	047.4	26.52	
132.0	001.4822	0264.9	032.3	035.8	000.1000	0020.0	046.8	26.65	
133.0	001.5524	0265.1	032.6	036.1	000.1000	0020.0	046.2	26.80	
134.0	001.6241	0265.4	033.0	036.5	000.1000	0020.0	045.6	26.95	
135.0	001.7016	0265.7	033.4	036.9	000.1000	0020.0	044.9	27.11	
136.0	001.7808	0266.1	033.8	037.3	000.1000	0020.0	044.3	27.28	
137.0	001.8662	0266.5	034.1	037.7	000.1000	0020.0	043.7	27.45	
138.0	001.9536	0266.6	034.5	038.0	000.1000	0020.0	043.0	27.63	
139.0	002.0430	0266.7	034.9	038.3	000.1000	0020.0	042.3	27.82	
140.0	002.1391	0266.9	035.2	038.7	000.1000	0020.0	041.7	28.02	
141.0	002.2278	0267.2	035.6	038.9	000.1000	0020.0	041.0	28.22	
142.0	002.3184	0267.8	035.9	039.2	000.1000	0020.0	040.3	28.43	
143.0	002.4059	0268.5	036.2	039.5	000.1000	0020.0	039.6	28.65	
144.0	002.5000	0269.0	036.6	039.7	000.1000	0020.0	038.9	28.87	
145.0	002.5000	0269.4	036.6	039.5	000.1000	0020.0	038.3	29.08	
146.0	002.5000	0269.8	036.6	039.3	000.1000	0020.0	037.7	29.29	
147.0	002.5000	0270.0	036.6	039.0	000.1000	0020.0	037.1	29.50	
148.0	002.5000	0270.4	036.6	038.8	000.1000	0020.0	036.5	29.71	
149.0	002.5000	0270.8	036.7	038.5	000.1000	0020.0	035.9	29.93	
150.0	002.5000	0271.3	036.7	038.1	000.1000	0020.0	035.2	30.14	
151.0	002.5000	0271.8	036.7	037.8	000.1000	0020.0	034.6	30.36	
152.0	002.5000	0272.2	036.7	037.4	000.1000	0020.0	034.1	30.58	
153.0	002.5000	0272.4	036.8	036.9	000.1000	0020.0	033.5	30.80	
154.0	002.5000	0272.4	036.8	036.5	000.1000	0020.0	032.9	31.02	
155.0	002.5000	0272.3	036.8	035.9	000.1000	0020.0	032.3	31.23	
156.0	002.5000	0272.0	036.7	035.3	000.1000	0020.0	031.8	31.45	
157.0	002.5000	0271.7	036.7	034.7	000.1000	0020.0	031.2	31.68	
158.0	002.5000	0271.4	036.7	034.0	000.1000	0020.0	030.7	31.91	
159.0	002.5000	0271.1	036.7	033.3	000.1000	0020.0	030.2	32.15	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
160.0	002.5000	0270.6	036.7	032.5	000.1000	0020.0	029.7	32.39
161.0	002.4108	0270.2	036.3	031.3	000.1000	0020.0	029.4	32.55
162.0	002.3184	0269.9	036.0	030.0	000.1000	0020.0	029.1	32.68
163.0	002.2326	0269.8	035.7	028.8	000.1000	0020.0	028.9	32.82
164.0	002.1437	0269.8	035.4	027.5	000.1000	0020.0	028.7	32.93
165.0	002.0612	0269.9	035.1	026.1	000.1000	0020.0	028.5	33.04
166.0	001.9802	0269.7	034.8	024.8	000.1000	0020.0	028.3	33.12
167.0	001.8966	0269.4	034.4	023.4	000.1000	0019.9	028.2	33.17
168.0	001.8190	0268.9	034.1	022.0	000.1000	0019.8	028.2	33.20
169.0	001.7389	0268.2	033.7	020.6	000.1000	0019.8	028.2	33.19
170.0	001.6646	0267.6	033.3	019.2	000.1000	0019.6	028.2	33.18
171.0	001.6350	0267.4	033.2	018.0	000.1000	0019.5	028.1	33.26
172.0	001.6056	0267.3	033.0	016.8	000.1000	0019.3	028.0	33.32
173.0	001.5765	0267.1	032.9	015.6	000.1000	0019.1	027.9	33.37
174.0	001.5476	0266.9	032.7	014.4	000.1000	0018.8	027.8	33.41
175.0	001.5191	0266.8	032.6	013.2	000.1000	0018.2	027.8	33.44
176.0	001.4907	0266.7	032.4	012.0	000.1000	0017.4	027.7	33.45
177.0	001.4627	0266.8	032.3	010.8	000.1000	0016.3	027.7	33.45
178.0	001.4349	0266.8	032.1	009.6	000.1000	0015.1	027.8	33.44
179.0	001.4074	0266.9	032.0	008.4	000.1000	0014.2	027.8	33.42
180.0	001.3801	0266.6	031.8	007.2	000.1000	0013.2	027.9	33.37
181.0	001.3883	0265.9	031.8	006.1	000.1000	0012.0	027.8	33.41
182.0	001.3965	0265.2	031.8	004.9	000.1000	0010.7	027.8	33.43
183.0	001.4048	0264.3	031.8	003.8	000.1000	0009.0	027.8	33.43
184.0	001.4130	0263.5	031.8	002.7	000.1000	0008.5	027.8	33.43
185.0	001.4213	0263.2	031.8	001.5	000.1000	0008.9	027.8	33.43
186.0	001.4296	0263.4	031.9	000.4	000.1000	0009.4	027.8	33.44
187.0	001.4379	0263.7	031.9	359.2	000.1000	0010.0	027.8	33.44
188.0	001.4463	0263.8	032.0	358.1	000.1000	0010.5	027.8	33.42
189.0	001.4547	0263.8	032.0	356.9	000.1000	0010.8	027.9	33.38
190.0	001.4631	0263.3	032.1	355.8	000.1000	0010.8	028.0	33.32
191.0	001.5272	0263.7	032.4	354.5	000.1000	0010.3	027.8	33.43
192.0	001.5928	0265.1	032.8	353.1	000.1000	0009.8	027.6	33.56
193.0	001.6597	0266.7	033.2	351.7	000.1000	0009.4	027.4	33.67
194.0	001.7281	0267.9	033.6	350.3	000.1000	0009.6	027.2	33.75
195.0	001.7978	0268.7	034.0	348.8	000.1000	0009.8	027.2	33.79
196.0	001.8688	0268.9	034.3	347.4	000.1000	0009.9	027.2	33.79
197.0	001.9413	0269.1	034.6	346.0	000.1000	0009.8	027.2	33.78
198.0	002.0151	0269.9	034.9	344.6	000.1000	0009.7	027.2	33.75
199.0	002.0903	0271.2	035.3	343.1	000.1000	0009.6	027.3	33.72
200.0	002.1669	0272.9	035.7	341.6	000.1000	0009.3	027.4	33.68
201.0	002.2326	0274.6	036.0	340.1	000.1000	0008.8	027.5	33.59
202.0	002.2992	0276.1	036.3	338.7	000.1000	0008.3	027.7	33.49
203.0	002.3620	0277.4	036.6	337.4	000.1000	0007.6	027.9	33.35
204.0	002.4305	0278.3	036.9	336.1	000.1000	0006.8	028.2	33.19
205.0	002.5000	0278.8	037.1	334.9	000.1000	0006.0	028.5	33.01
206.0	002.5000	0279.0	037.1	334.0	000.1000	0005.3	029.0	32.74
207.0	002.5000	0279.0	037.1	333.3	000.1000	0004.4	029.5	32.47
208.0	002.5000	0278.8	037.1	332.6	000.1000	0003.4	030.1	32.21
209.0	002.5000	0278.6	037.1	331.9	000.1000	0002.4	030.6	31.95
210.0	002.5000	0278.4	037.1	331.3	000.1000	0001.7	031.2	31.71

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
211.0	002.5000	0278.1	037.1	330.7	000.1000	0001.1	031.7	31.47
212.0	002.5000	0277.8	037.1	330.2	000.1000	0000.7	032.3	31.24
213.0	002.5000	0277.3	037.0	329.7	000.1000	0000.5	032.9	31.01
214.0	002.5000	0276.8	037.0	329.3	000.1000	0000.2	033.5	30.79
215.0	002.5000	0276.2	037.0	328.9	000.1000	0000.0	034.1	30.56
216.0	002.5000	0275.4	036.9	328.6	000.1000	-0000.3	034.7	30.34
217.0	002.5000	0274.5	036.9	328.2	000.1000	-0000.5	035.3	30.11
218.0	002.5000	0273.9	036.8	327.9	000.1000	-0000.7	035.9	29.89
219.0	002.5000	0273.7	036.8	327.6	000.1000	-0000.9	036.6	29.68
220.0	002.5000	0274.0	036.9	327.3	000.1000	-0001.1	037.2	29.47
221.0	002.5000	0274.7	036.9	327.0	000.1000	-0001.3	037.8	29.26
222.0	002.5000	0275.6	036.9	326.6	000.1000	-0001.5	038.4	29.06
223.0	002.5000	0276.4	037.0	326.3	000.1000	-0001.6	039.0	28.85
224.0	002.5000	0276.8	037.0	326.1	000.1000	-0001.7	039.6	28.65
225.0	002.5000	0277.0	037.0	325.9	000.1000	-0001.7	040.2	28.45
226.0	002.5000	0277.1	037.0	325.7	000.1000	-0001.7	040.9	28.26
227.0	002.5000	0277.2	037.0	325.6	000.1000	-0001.8	041.5	28.06
228.0	002.5000	0277.3	037.0	325.5	000.1000	-0001.8	042.2	27.88
229.0	002.5000	0277.4	037.1	325.4	000.1000	-0001.8	042.8	27.69
230.0	002.5000	0277.5	037.1	325.3	000.1000	-0001.8	043.4	27.51
231.0	002.5000	0277.6	037.1	325.2	000.1000	-0001.8	044.1	27.33
232.0	002.5000	0277.7	037.1	325.1	000.1000	-0001.8	044.7	27.16
233.0	002.5000	0277.7	037.1	325.1	000.1000	-0001.8	045.4	27.00
234.0	002.5000	0277.7	037.1	325.1	000.1000	-0001.8	046.0	26.83
235.0	002.5000	0277.5	037.1	325.1	000.1000	-0001.8	046.7	26.68
236.0	002.5000	0277.2	037.0	325.1	000.1000	-0001.8	047.3	26.53
237.0	002.5000	0276.7	037.0	325.2	000.1000	-0001.8	048.0	26.38
238.0	002.5000	0276.1	037.0	325.3	000.1000	-0001.8	048.6	26.24
239.0	002.5000	0275.5	036.9	325.4	000.1000	-0001.8	049.2	26.10
240.0	002.5000	0275.0	036.9	325.4	000.1000	-0001.8	049.9	25.97
241.0	002.5000	0274.5	036.9	325.5	000.1000	-0001.8	050.5	25.83
242.0	002.5000	0274.2	036.9	325.6	000.1000	-0001.7	051.2	25.69
243.0	002.5000	0273.9	036.8	325.7	000.1000	-0001.7	051.8	25.55

01-30-2009 FCC NGDC 30 Sec Terrain Data

WYGG BLED19940304KZ
Channel = 201A
Max ERP = 0.1 kW
RCAMSL = 20 M
N. Lat. 40 13 01.0
W. Lng. 74 00 33.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
303.0	000.1000	-0009.7	005.6	188.3	001.4489	0263.9	057.0	50.48	
304.0	000.1000	-0009.1	005.6	188.3	001.4485	0263.9	056.9	50.51	
305.0	000.1000	-0008.5	005.6	188.2	001.4482	0263.9	056.9	50.55	
306.0	000.1000	-0007.7	005.6	188.2	001.4478	0263.9	056.8	50.58	
307.0	000.1000	-0007.0	005.6	188.1	001.4474	0263.9	056.7	50.61	
308.0	000.1000	-0006.5	005.6	188.1	001.4470	0263.9	056.6	50.65	
309.0	000.1000	-0006.2	005.6	188.0	001.4466	0263.8	056.5	50.68	
310.0	000.1000	-0005.9	005.6	188.0	001.4461	0263.8	056.4	50.71	
311.0	000.1000	-0005.8	005.6	187.9	001.4457	0263.8	056.3	50.74	
312.0	000.1000	-0005.6	005.6	187.9	001.4452	0263.8	056.3	50.77	
313.0	000.1000	-0005.5	005.6	187.8	001.4447	0263.8	056.2	50.80	
314.0	000.1000	-0005.3	005.6	187.8	001.4442	0263.8	056.1	50.83	
315.0	000.1000	-0005.0	005.6	187.7	001.4437	0263.8	056.0	50.86	
316.0	000.1000	-0004.7	005.6	187.6	001.4432	0263.8	055.9	50.89	
317.0	000.1000	-0004.4	005.6	187.6	001.4427	0263.8	055.9	50.92	
318.0	000.1000	-0004.1	005.6	187.5	001.4421	0263.8	055.8	50.95	
319.0	000.1000	-0003.7	005.6	187.4	001.4416	0263.7	055.7	50.98	
320.0	000.1000	-0003.3	005.6	187.4	001.4410	0263.7	055.6	51.00	
321.0	000.1000	-0002.8	005.6	187.3	001.4404	0263.7	055.6	51.03	
322.0	000.1000	-0002.4	005.6	187.2	001.4398	0263.7	055.5	51.06	
323.0	000.1000	-0002.1	005.6	187.2	001.4392	0263.7	055.4	51.08	
324.0	000.1000	-0001.9	005.6	187.1	001.4386	0263.7	055.4	51.11	
325.0	000.1000	-0001.8	005.6	187.0	001.4380	0263.7	055.3	51.13	
326.0	000.1000	-0001.7	005.6	186.9	001.4374	0263.7	055.2	51.16	
327.0	000.1000	-0001.3	005.6	186.9	001.4367	0263.7	055.2	51.18	
328.0	000.1000	-0000.6	005.6	186.8	001.4360	0263.6	055.1	51.20	
329.0	000.1000	0000.0	005.6	186.7	001.4354	0263.6	055.0	51.22	
330.0	000.1000	0000.6	005.6	186.6	001.4347	0263.6	055.0	51.24	
331.0	000.1000	0001.4	005.6	186.5	001.4340	0263.6	054.9	51.27	
332.0	000.1000	0002.6	005.6	186.4	001.4333	0263.6	054.9	51.28	
333.0	000.1000	0004.0	005.6	186.4	001.4326	0263.5	054.8	51.30	
334.0	000.1000	0005.3	005.6	186.3	001.4319	0263.5	054.8	51.32	
335.0	000.1000	0006.2	005.6	186.2	001.4311	0263.5	054.7	51.34	
336.0	000.1000	0006.8	005.6	186.1	001.4304	0263.4	054.7	51.36	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
337.0	000.1000	0007.4	005.6	186.0	001.4297	0263.4	054.6	51.37
338.0	000.1000	0007.9	005.6	185.9	001.4289	0263.4	054.6	51.39
339.0	000.1000	0008.4	005.6	185.8	001.4281	0263.4	054.5	51.40
340.0	000.1000	0008.7	005.6	185.7	001.4274	0263.3	054.5	51.42
341.0	000.1000	0009.1	005.6	185.6	001.4266	0263.3	054.4	51.43
342.0	000.1000	0009.4	005.6	185.5	001.4258	0263.3	054.4	51.44
343.0	000.1000	0009.6	005.6	185.4	001.4250	0263.3	054.4	51.46
344.0	000.1000	0009.7	005.6	185.4	001.4242	0263.3	054.3	51.47
345.0	000.1000	0009.8	005.6	185.3	001.4234	0263.3	054.3	51.48
346.0	000.1000	0009.8	005.6	185.2	001.4226	0263.2	054.3	51.49
347.0	000.1000	0009.9	005.6	185.1	001.4218	0263.2	054.2	51.50
348.0	000.1000	0009.9	005.6	185.0	001.4209	0263.2	054.2	51.51
349.0	000.1000	0009.7	005.6	184.9	001.4201	0263.3	054.2	51.52
350.0	000.1000	0009.6	005.6	184.8	001.4193	0263.3	054.1	51.53
351.0	000.1000	0009.5	005.6	184.7	001.4184	0263.3	054.1	51.54
352.0	000.1000	0009.5	005.6	184.6	001.4176	0263.3	054.1	51.54
353.0	000.1000	0009.7	005.6	184.5	001.4168	0263.4	054.1	51.55
354.0	000.1000	0010.1	005.6	184.4	001.4159	0263.4	054.1	51.56
355.0	000.1000	0010.5	005.6	184.2	001.4151	0263.4	054.0	51.56
356.0	000.1000	0010.8	005.6	184.1	001.4142	0263.5	054.0	51.57
357.0	000.1000	0010.8	005.6	184.0	001.4133	0263.5	054.0	51.57
358.0	000.1000	0010.5	005.6	183.9	001.4125	0263.6	054.0	51.57
359.0	000.1000	0010.1	005.6	183.8	001.4116	0263.6	054.0	51.58
000.0	000.1000	0009.6	005.6	183.7	001.4108	0263.7	054.0	51.58
001.0	000.1000	0009.1	005.6	183.6	001.4099	0263.8	054.0	51.58
002.0	000.1000	0008.7	005.6	183.5	001.4090	0263.8	054.0	51.58
003.0	000.1000	0008.5	005.6	183.4	001.4082	0263.9	054.0	51.58
004.0	000.1000	0009.3	005.6	183.3	001.4073	0264.0	054.0	51.58
005.0	000.1000	0010.8	005.6	183.2	001.4065	0264.1	054.0	51.58
006.0	000.1000	0011.9	005.6	183.1	001.4056	0264.2	054.0	51.58
007.0	000.1000	0013.0	005.6	183.0	001.4047	0264.3	054.0	51.58
008.0	000.1000	0013.9	005.6	182.9	001.4039	0264.4	054.0	51.58
009.0	000.1000	0014.7	005.6	182.8	001.4030	0264.5	054.0	51.58
010.0	000.1000	0015.5	005.6	182.7	001.4022	0264.6	054.0	51.57
011.0	000.1000	0016.5	005.6	182.6	001.4013	0264.7	054.0	51.57
012.0	000.1000	0017.4	005.6	182.5	001.4005	0264.8	054.0	51.56
013.0	000.1000	0018.1	005.6	182.4	001.3996	0264.9	054.1	51.56
014.0	000.1000	0018.6	005.6	182.3	001.3988	0265.0	054.1	51.55
015.0	000.1000	0019.0	005.6	182.2	001.3979	0265.1	054.1	51.54
016.0	000.1000	0019.2	005.6	182.1	001.3971	0265.2	054.1	51.53
017.0	000.1000	0019.4	005.6	182.0	001.3963	0265.3	054.1	51.52
018.0	000.1000	0019.5	005.6	181.9	001.3954	0265.3	054.2	51.51
019.0	000.1000	0019.6	005.6	181.8	001.3946	0265.4	054.2	51.50
020.0	000.1000	0019.7	005.6	181.7	001.3938	0265.5	054.2	51.49
021.0	000.1000	0019.8	005.6	181.6	001.3930	0265.5	054.3	51.48
022.0	000.1000	0019.8	005.6	181.5	001.3922	0265.6	054.3	51.46
023.0	000.1000	0019.9	005.6	181.4	001.3914	0265.7	054.3	51.45
024.0	000.1000	0019.9	005.6	181.3	001.3906	0265.7	054.4	51.43
025.0	000.1000	0020.0	005.6	181.2	001.3898	0265.8	054.4	51.42
026.0	000.1000	0020.0	005.6	181.1	001.3891	0265.9	054.4	51.40
027.0	000.1000	0020.0	005.6	181.0	001.3883	0265.9	054.5	51.38

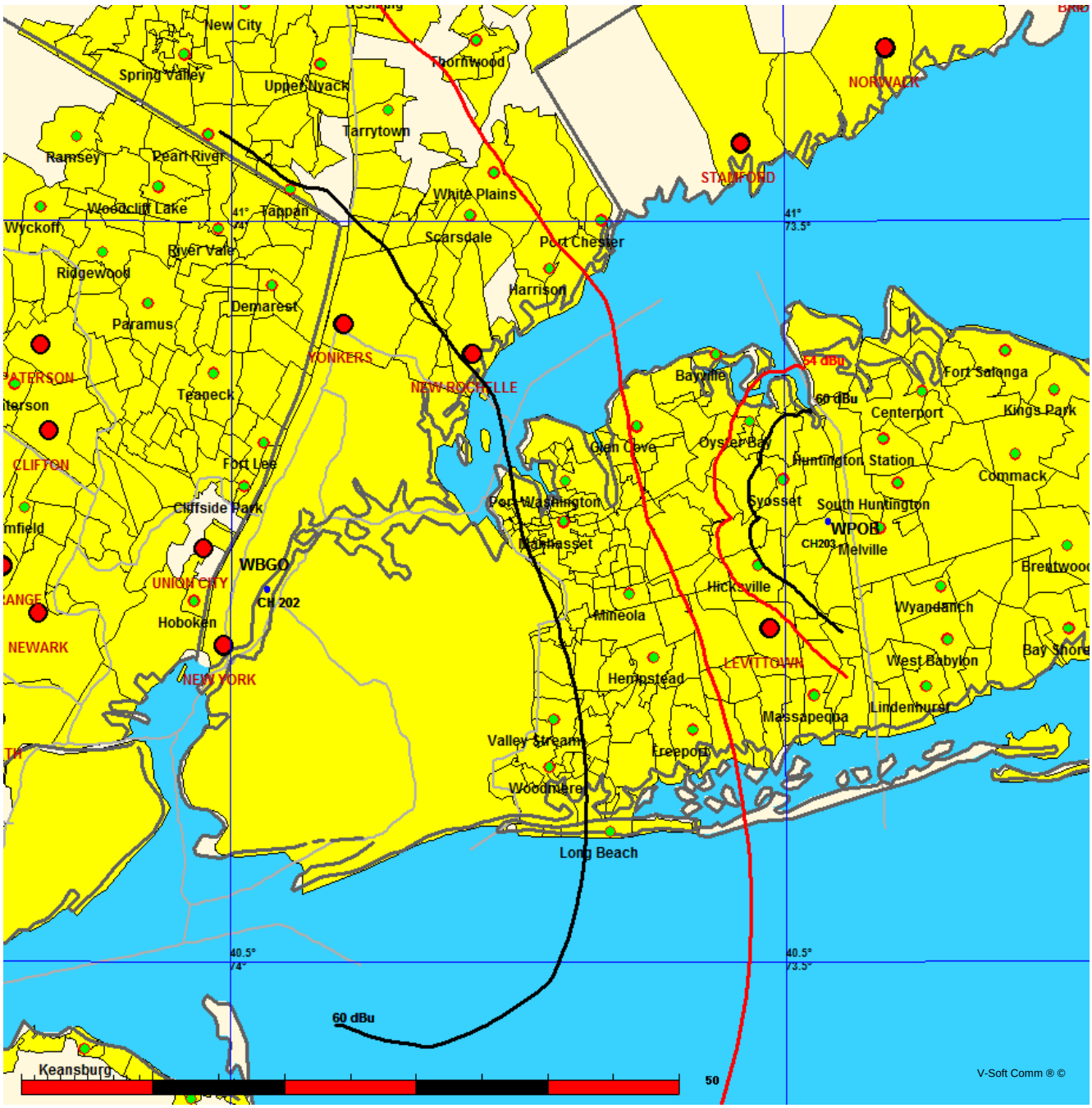
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
028.0	000.1000	0020.0	005.6	180.9	001.3875	0266.0	054.5	51.36
029.0	000.1000	0020.0	005.6	180.8	001.3868	0266.1	054.6	51.35
030.0	000.1000	0020.0	005.6	180.7	001.3860	0266.1	054.6	51.33
031.0	000.1000	0020.0	005.6	180.6	001.3853	0266.2	054.7	51.31
032.0	000.1000	0020.0	005.6	180.5	001.3846	0266.3	054.7	51.29
033.0	000.1000	0020.0	005.6	180.5	001.3839	0266.3	054.8	51.26
034.0	000.1000	0020.0	005.6	180.4	001.3832	0266.4	054.8	51.24
035.0	000.1000	0020.0	005.6	180.3	001.3825	0266.4	054.9	51.22
036.0	000.1000	0020.0	005.6	180.2	001.3818	0266.5	054.9	51.20
037.0	000.1000	0020.0	005.6	180.1	001.3811	0266.5	055.0	51.17
038.0	000.1000	0020.0	005.6	180.0	001.3804	0266.6	055.1	51.15
039.0	000.1000	0020.0	005.6	180.0	001.3812	0266.7	055.1	51.13
040.0	000.1000	0020.0	005.6	179.9	001.3834	0266.7	055.2	51.11
041.0	000.1000	0020.0	005.6	179.8	001.3855	0266.8	055.3	51.10
042.0	000.1000	0020.0	005.6	179.7	001.3876	0266.8	055.3	51.08
043.0	000.1000	0020.0	005.6	179.7	001.3896	0266.9	055.4	51.06
044.0	000.1000	0020.0	005.6	179.6	001.3916	0266.9	055.5	51.04
045.0	000.1000	0020.0	005.6	179.5	001.3935	0266.9	055.5	51.02
046.0	000.1000	0020.0	005.6	179.4	001.3955	0266.9	055.6	51.00
047.0	000.1000	0020.0	005.6	179.4	001.3973	0266.9	055.7	50.97
048.0	000.1000	0020.0	005.6	179.3	001.3992	0266.9	055.7	50.95
049.0	000.1000	0020.0	005.6	179.2	001.4010	0266.9	055.8	50.92
050.0	000.1000	0020.0	005.6	179.2	001.4027	0266.9	055.9	50.90
051.0	000.1000	0020.0	005.6	179.1	001.4045	0266.9	056.0	50.87
052.0	000.1000	0020.0	005.6	179.0	001.4062	0266.9	056.0	50.85
053.0	000.1000	0020.0	005.6	179.0	001.4078	0266.8	056.1	50.82
054.0	000.1000	0020.0	005.6	178.9	001.4094	0266.8	056.2	50.79
055.0	000.1000	0020.0	005.6	178.9	001.4109	0266.8	056.3	50.76
056.0	000.1000	0020.0	005.6	178.8	001.4125	0266.8	056.4	50.74
057.0	000.1000	0020.0	005.6	178.8	001.4139	0266.8	056.5	50.71
058.0	000.1000	0020.0	005.6	178.7	001.4154	0266.8	056.5	50.68
059.0	000.1000	0020.0	005.6	178.7	001.4167	0266.8	056.6	50.65
060.0	000.1000	0020.0	005.6	178.6	001.4180	0266.8	056.7	50.62
061.0	000.1000	0020.0	005.6	178.6	001.4193	0266.8	056.8	50.59
062.0	000.1000	0020.0	005.6	178.5	001.4206	0266.8	056.9	50.56
063.0	000.1000	0020.0	005.6	178.5	001.4218	0266.8	057.0	50.53

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 13.19 km, Out= 6.57 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WPOB CH 203 A DA BLED19901102KB
Lat= 40 47 48.0, Lng= 73 27 44.0
0.125 kW 79 M HAAT, 116 M COR
Prot.= 60 dBu, Intef.= 54 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WPOB BLED19901102KB
Channel = 203A
Max ERP = 0.125 kW
RCAMSL = 116 M
N. Lat. 40 47 48.0
W. Lng. 73 27 44.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
023.0	000.5858	0261.9	025.8	300.3	000.0422	0066.1	037.5	31.62	
024.0	000.5594	0260.2	025.5	299.8	000.0420	0066.3	037.0	31.81	
025.0	000.5342	0259.9	025.2	299.5	000.0417	0066.5	036.6	32.01	
026.0	000.5102	0260.7	025.0	299.1	000.0415	0066.7	036.1	32.20	
027.0	000.4872	0262.1	024.8	298.8	000.0414	0066.9	035.7	32.39	
028.0	000.4653	0263.8	024.6	298.5	000.0412	0067.1	035.2	32.57	
029.0	000.4444	0264.9	024.3	298.2	000.0410	0067.2	034.8	32.75	
030.0	000.4244	0265.0	024.1	297.7	000.0407	0067.5	034.4	32.93	
031.0	000.4127	0264.7	023.9	297.4	000.0406	0067.6	034.0	33.10	
032.0	000.4012	0264.8	023.8	297.1	000.0404	0067.7	033.6	33.27	
033.0	000.3899	0265.4	023.6	296.8	000.0402	0067.8	033.2	33.44	
034.0	000.3787	0266.3	023.5	296.5	000.0400	0067.8	032.8	33.59	
035.0	000.3677	0267.3	023.4	296.2	000.0399	0067.7	032.4	33.74	
036.0	000.3568	0268.2	023.3	295.8	000.0397	0067.6	032.0	33.87	
037.0	000.3461	0269.0	023.1	295.4	000.0395	0067.5	031.7	34.01	
038.0	000.3356	0269.8	023.0	295.0	000.0392	0067.4	031.3	34.14	
039.0	000.3253	0270.7	022.9	294.6	000.0390	0067.3	031.0	34.28	
040.0	000.3151	0271.6	022.7	294.2	000.0387	0067.2	030.6	34.41	
041.0	000.3133	0272.5	022.7	294.0	000.0386	0067.1	030.2	34.59	
042.0	000.3115	0273.2	022.7	293.7	000.0385	0067.0	029.9	34.76	
043.0	000.3098	0273.7	022.7	293.5	000.0383	0066.9	029.5	34.93	
044.0	000.3080	0274.0	022.7	293.2	000.0382	0066.7	029.1	35.10	
045.0	000.3062	0274.3	022.7	292.8	000.0380	0066.6	028.8	35.28	
046.0	000.3028	0274.4	022.6	292.4	000.0378	0066.4	028.4	35.43	
047.0	000.3010	0274.5	022.6	292.0	000.0376	0066.3	028.1	35.59	
048.0	000.2993	0274.5	022.6	291.6	000.0373	0066.1	027.7	35.76	
049.0	000.2976	0274.5	022.5	291.2	000.0371	0066.0	027.4	35.92	
050.0	000.2958	0274.8	022.5	290.8	000.0369	0065.8	027.1	36.09	
051.0	000.2873	0275.2	022.4	290.1	000.0365	0065.5	026.8	36.18	
052.0	000.2789	0275.6	022.2	289.4	000.0361	0065.3	026.5	36.27	
053.0	000.2706	0275.9	022.1	288.6	000.0357	0064.9	026.3	36.33	
054.0	000.2624	0276.0	021.9	287.9	000.0353	0064.5	026.1	36.39	
055.0	000.2544	0276.0	021.8	287.1	000.0349	0064.2	025.9	36.43	
056.0	000.2465	0275.9	021.6	286.3	000.0345	0063.9	025.7	36.47	
057.0	000.2387	0276.0	021.4	285.4	000.0340	0063.6	025.5	36.50	
058.0	000.2310	0276.1	021.3	284.6	000.0336	0063.3	025.3	36.52	
059.0	000.2235	0276.2	021.1	283.7	000.0331	0062.9	025.2	36.52	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
060.0	000.2161	0276.2	020.9	282.9	000.0327	0062.5	025.1	36.50
061.0	000.2117	0276.2	020.8	282.1	000.0323	0062.1	024.9	36.51
062.0	000.2088	0276.3	020.8	281.3	000.0319	0061.5	024.7	36.50
063.0	000.2045	0276.3	020.7	280.5	000.0315	0060.4	024.6	36.41
064.0	000.2016	0276.2	020.6	279.7	000.0312	0059.3	024.4	36.33
065.0	000.1974	0276.1	020.5	278.9	000.0309	0058.0	024.3	36.20
066.0	000.1932	0275.9	020.4	278.0	000.0307	0056.4	024.2	36.00
067.0	000.1904	0275.6	020.3	277.2	000.0305	0055.1	024.1	35.85
068.0	000.1863	0275.4	020.2	276.3	000.0303	0054.4	024.0	35.75
069.0	000.1836	0274.9	020.1	275.5	000.0300	0053.9	024.0	35.69
070.0	000.1796	0274.3	019.9	274.6	000.0298	0052.7	023.9	35.48
071.0	000.1809	0273.5	019.9	273.9	000.0296	0051.3	023.8	35.31
072.0	000.1809	0272.8	019.9	273.0	000.0294	0049.7	023.7	35.07
073.0	000.1823	0272.1	019.9	272.3	000.0292	0048.2	023.6	34.85
074.0	000.1823	0271.2	019.9	271.4	000.0289	0047.8	023.5	34.80
075.0	000.1836	0270.2	019.9	270.6	000.0287	0050.4	023.4	35.33
076.0	000.1850	0269.2	019.9	269.8	000.0285	0053.1	023.3	35.83
077.0	000.1850	0268.4	019.9	268.9	000.0281	0055.8	023.2	36.25
078.0	000.1863	0267.7	019.9	268.1	000.0278	0058.5	023.2	36.65
079.0	000.1863	0267.0	019.9	267.2	000.0274	0060.9	023.1	36.94
080.0	000.1877	0266.4	019.9	266.4	000.0270	0062.5	023.1	37.13
081.0	000.1918	0266.2	020.0	265.6	000.0267	0063.8	023.0	37.34
082.0	000.1974	0266.3	020.1	264.7	000.0263	0065.1	022.8	37.57
083.0	000.2016	0266.3	020.2	263.8	000.0260	0066.2	022.7	37.73
084.0	000.2074	0266.7	020.4	262.9	000.0256	0066.9	022.5	37.87
085.0	000.2117	0267.2	020.5	262.0	000.0252	0067.5	022.4	37.97
086.0	000.2161	0267.8	020.6	261.1	000.0248	0068.2	022.3	38.07
087.0	000.2220	0268.2	020.8	260.1	000.0245	0069.1	022.2	38.20
088.0	000.2265	0268.2	020.9	259.1	000.0240	0070.2	022.2	38.28
089.0	000.2326	0268.1	021.0	258.1	000.0236	0071.3	022.1	38.38
090.0	000.2372	0268.0	021.1	257.2	000.0231	0072.2	022.1	38.42
091.0	000.2465	0267.9	021.3	256.1	000.0226	0073.0	022.0	38.50
092.0	000.2560	0267.8	021.5	255.0	000.0222	0073.8	021.9	38.56
093.0	000.2657	0267.7	021.7	253.9	000.0217	0074.7	021.8	38.62
094.0	000.2756	0267.7	021.9	252.8	000.0212	0075.7	021.8	38.67
095.0	000.2856	0267.4	022.0	251.7	000.0207	0076.6	021.8	38.69
096.0	000.2941	0266.7	022.2	250.7	000.0203	0077.1	021.8	38.62
097.0	000.3045	0265.8	022.3	249.6	000.0198	0077.4	021.9	38.53
098.0	000.3151	0264.9	022.5	248.5	000.0194	0077.6	021.9	38.40
099.0	000.3258	0263.7	022.6	247.4	000.0190	0077.7	022.0	38.25
100.0	000.3367	0263.0	022.7	246.4	000.0186	0078.0	022.1	38.12
101.0	000.3553	0262.5	023.0	245.1	000.0181	0078.6	022.1	38.07
102.0	000.3725	0262.1	023.3	243.9	000.0176	0079.5	022.2	38.02
103.0	000.3901	0261.4	023.5	242.7	000.0172	0080.4	022.3	37.95
104.0	000.4080	0260.4	023.7	241.6	000.0168	0081.5	022.4	37.87
105.0	000.4264	0259.4	023.9	240.5	000.0164	0082.5	022.5	37.77
106.0	000.4473	0258.8	024.1	239.3	000.0159	0083.5	022.7	37.66
107.0	000.4687	0258.6	024.4	238.1	000.0155	0084.4	022.8	37.53
108.0	000.4906	0258.5	024.6	236.9	000.0151	0085.1	023.0	37.36
109.0	000.5130	0258.2	024.9	235.8	000.0147	0085.5	023.2	37.15
110.0	000.5382	0257.8	025.1	234.6	000.0143	0086.0	023.4	36.93

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
111.0	000.5641	0257.5	025.4	233.5	000.0139	0086.5	023.6	36.70
112.0	000.5905	0257.3	025.7	232.4	000.0136	0087.0	023.8	36.46
113.0	000.6175	0257.1	025.9	231.3	000.0132	0087.6	024.1	36.21
114.0	000.6477	0257.0	026.2	230.3	000.0129	0088.2	024.4	35.96
115.0	000.6760	0257.0	026.5	229.3	000.0126	0088.6	024.7	35.70
116.0	000.7102	0257.4	026.8	228.2	000.0124	0089.0	025.0	35.43
117.0	000.7426	0258.0	027.1	227.1	000.0121	0089.1	025.3	35.13
118.0	000.7784	0258.5	027.4	226.1	000.0119	0089.2	025.7	34.81
119.0	000.8151	0258.9	027.7	225.1	000.0117	0089.2	026.0	34.48
120.0	000.8526	0259.3	028.0	224.2	000.0114	0089.4	026.4	34.15
121.0	000.8940	0259.5	028.3	223.3	000.0112	0089.6	026.8	33.83
122.0	000.9333	0259.7	028.6	222.5	000.0111	0090.0	027.3	33.52
123.0	000.9797	0260.0	029.0	221.6	000.0109	0090.4	027.7	33.20
124.0	001.0240	0260.4	029.3	220.8	000.0107	0090.7	028.2	32.88
125.0	001.0726	0261.1	029.7	220.0	000.0105	0091.1	028.6	32.56
126.0	001.1223	0261.9	030.0	219.2	000.0104	0091.5	029.1	32.24
127.0	001.1765	0262.7	030.4	218.4	000.0102	0091.8	029.7	31.93
128.0	001.2320	0263.3	030.8	217.7	000.0101	0092.1	030.2	31.61
129.0	001.2888	0263.9	031.1	217.1	000.0100	0092.4	030.7	31.28
130.0	001.3506	0264.4	031.5	216.4	000.0099	0092.6	031.3	30.96
131.0	001.4138	0264.7	031.9	215.8	000.0098	0092.7	031.9	30.64
132.0	001.4822	0264.9	032.3	215.3	000.0097	0092.8	032.5	30.32
133.0	001.5524	0265.1	032.6	214.8	000.0096	0092.9	033.1	30.00
134.0	001.6241	0265.4	033.0	214.3	000.0095	0093.0	033.7	29.69
135.0	001.7016	0265.7	033.4	213.8	000.0094	0093.2	034.4	29.37
136.0	001.7808	0266.1	033.8	213.4	000.0094	0093.4	035.0	29.06
137.0	001.8662	0266.5	034.1	213.0	000.0093	0093.7	035.7	28.76
138.0	001.9536	0266.6	034.5	212.7	000.0092	0093.9	036.4	28.46
139.0	002.0430	0266.7	034.9	212.5	000.0092	0094.2	037.0	28.15
140.0	002.1391	0266.9	035.2	212.2	000.0091	0094.4	037.7	27.85
141.0	002.2278	0267.2	035.6	212.0	000.0091	0094.5	038.4	27.55
142.0	002.3184	0267.8	035.9	211.9	000.0091	0094.7	039.1	27.24
143.0	002.4059	0268.5	036.2	211.7	000.0091	0094.8	039.8	26.95

01-30-2009 FCC NGDC 30 Sec Terrain Data

WPOB BLED19901102KB
Channel = 203A
Max ERP = 0.125 kW
RCAMSL = 116 M
N. Lat. 40 47 48.0
W. Lng. 73 27 44.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
204.0	000.0098	0097.4	005.7	090.3	000.2398	0268.0	040.3	49.74	
205.0	000.0096	0097.1	005.7	090.2	000.2389	0268.0	040.2	49.76	
206.0	000.0095	0096.9	005.7	090.1	000.2379	0268.0	040.1	49.78	
207.0	000.0093	0096.6	005.6	090.0	000.2370	0268.0	040.0	49.80	
208.0	000.0091	0096.4	005.6	089.9	000.2365	0268.0	040.0	49.82	
209.0	000.0089	0096.0	005.6	089.8	000.2360	0268.0	039.9	49.84	
210.0	000.0088	0095.7	005.5	089.6	000.2355	0268.0	039.8	49.86	
211.0	000.0089	0095.3	005.5	089.6	000.2352	0268.0	039.7	49.90	
212.0	000.0091	0094.5	005.6	089.5	000.2349	0268.0	039.6	49.93	
213.0	000.0093	0093.7	005.5	089.4	000.2346	0268.1	039.6	49.96	
214.0	000.0095	0093.1	005.6	089.4	000.2343	0268.1	039.5	49.99	
215.0	000.0096	0092.8	005.6	089.3	000.2340	0268.1	039.4	50.03	
216.0	000.0098	0092.6	005.6	089.2	000.2337	0268.1	039.3	50.06	
217.0	000.0100	0092.4	005.6	089.2	000.2334	0268.1	039.2	50.10	
218.0	000.0102	0092.0	005.6	089.1	000.2331	0268.1	039.1	50.13	
219.0	000.0103	0091.6	005.6	089.0	000.2327	0268.1	039.0	50.16	
220.0	000.0105	0091.1	005.6	088.9	000.2322	0268.1	039.0	50.19	
221.0	000.0107	0090.6	005.7	088.9	000.2317	0268.1	038.9	50.22	
222.0	000.0110	0090.2	005.7	088.8	000.2312	0268.1	038.8	50.25	
223.0	000.0112	0089.7	005.7	088.7	000.2307	0268.1	038.7	50.28	
224.0	000.0114	0089.4	005.7	088.6	000.2302	0268.1	038.6	50.30	
225.0	000.0116	0089.2	005.7	088.5	000.2297	0268.1	038.6	50.33	
226.0	000.0119	0089.2	005.7	088.4	000.2292	0268.1	038.5	50.37	
227.0	000.0121	0089.2	005.8	088.4	000.2287	0268.1	038.4	50.40	
228.0	000.0123	0089.0	005.8	088.3	000.2281	0268.1	038.3	50.42	
229.0	000.0126	0088.7	005.8	088.2	000.2275	0268.2	038.2	50.45	
230.0	000.0128	0088.3	005.8	088.1	000.2269	0268.2	038.1	50.47	
231.0	000.0131	0087.8	005.8	088.0	000.2263	0268.2	038.1	50.49	
232.0	000.0134	0087.3	005.9	087.8	000.2258	0268.2	038.0	50.52	
233.0	000.0138	0086.7	005.9	087.7	000.2253	0268.2	037.9	50.54	
234.0	000.0141	0086.2	005.9	087.6	000.2248	0268.2	037.9	50.57	
235.0	000.0145	0085.8	005.9	087.5	000.2243	0268.2	037.8	50.59	
236.0	000.0148	0085.4	005.9	087.4	000.2237	0268.2	037.7	50.61	
237.0	000.0151	0085.0	005.9	087.3	000.2232	0268.2	037.6	50.64	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
238.0	000.0155	0084.5	006.0	087.1	000.2226	0268.2	037.6	50.65
239.0	000.0158	0083.8	006.0	087.0	000.2220	0268.2	037.5	50.67
240.0	000.0162	0082.9	006.0	086.9	000.2212	0268.2	037.5	50.67
241.0	000.0166	0082.0	006.0	086.7	000.2203	0268.1	037.4	50.67
242.0	000.0169	0081.1	006.0	086.6	000.2195	0268.0	037.4	50.68
243.0	000.0173	0080.2	006.0	086.4	000.2186	0268.0	037.3	50.68
244.0	000.0177	0079.4	006.0	086.3	000.2177	0267.9	037.3	50.67
245.0	000.0180	0078.7	006.0	086.1	000.2169	0267.9	037.3	50.67
246.0	000.0184	0078.2	006.0	086.0	000.2160	0267.8	037.2	50.68
247.0	000.0188	0077.8	006.0	085.8	000.2154	0267.7	037.2	50.68
248.0	000.0192	0077.7	006.0	085.7	000.2148	0267.6	037.1	50.70
249.0	000.0196	0077.6	006.0	085.6	000.2142	0267.5	037.1	50.71
250.0	000.0200	0077.3	006.1	085.4	000.2135	0267.5	037.0	50.71
251.0	000.0204	0076.9	006.1	085.3	000.2128	0267.4	037.0	50.72
252.0	000.0208	0076.4	006.1	085.1	000.2122	0267.3	036.9	50.72
253.0	000.0213	0075.6	006.1	084.9	000.2114	0267.2	036.9	50.71
254.0	000.0217	0074.7	006.1	084.8	000.2107	0267.1	036.9	50.70
255.0	000.0222	0073.9	006.1	084.6	000.2100	0267.0	036.9	50.69
256.0	000.0226	0073.1	006.1	084.5	000.2093	0267.0	036.9	50.68
257.0	000.0230	0072.4	006.1	084.3	000.2086	0266.9	036.9	50.67
258.0	000.0235	0071.4	006.0	084.1	000.2079	0266.8	036.9	50.65
259.0	000.0240	0070.3	006.0	084.0	000.2071	0266.7	036.9	50.63
260.0	000.0244	0069.2	006.0	083.8	000.2062	0266.6	036.9	50.60
261.0	000.0248	0068.3	006.0	083.6	000.2052	0266.5	036.9	50.57
262.0	000.0252	0067.5	006.0	083.5	000.2043	0266.4	036.9	50.55
263.0	000.0256	0066.8	006.0	083.3	000.2034	0266.3	036.9	50.52
264.0	000.0260	0066.0	006.0	083.1	000.2024	0266.3	036.9	50.50
265.0	000.0264	0064.6	005.9	083.0	000.2016	0266.3	036.9	50.46
266.0	000.0269	0063.2	005.9	082.8	000.2009	0266.3	037.0	50.43
267.0	000.0273	0061.4	005.8	082.7	000.2002	0266.3	037.0	50.39
268.0	000.0277	0058.9	005.8	082.5	000.1996	0266.3	037.1	50.33
269.0	000.0281	0055.6	005.6	082.4	000.1991	0266.3	037.3	50.25
270.0	000.0286	0052.4	005.5	082.3	000.1985	0266.3	037.4	50.17
271.0	000.0288	0049.2	005.3	082.2	000.1981	0266.3	037.6	50.07
272.0	000.0291	0047.8	005.2	082.0	000.1976	0266.3	037.7	50.02
273.0	000.0294	0049.6	005.4	081.9	000.1967	0266.3	037.6	50.05
274.0	000.0296	0051.6	005.5	081.7	000.1957	0266.3	037.5	50.07
275.0	000.0299	0053.3	005.6	081.5	000.1947	0266.3	037.4	50.09
276.0	000.0302	0054.3	005.7	081.3	000.1937	0266.3	037.4	50.09
277.0	000.0304	0054.9	005.7	081.2	000.1928	0266.2	037.4	50.07
278.0	000.0307	0056.4	005.8	081.0	000.1918	0266.2	037.3	50.07
279.0	000.0310	0058.2	005.9	080.8	000.1910	0266.2	037.2	50.08
280.0	000.0313	0059.7	006.0	080.6	000.1902	0266.2	037.2	50.09
281.0	000.0318	0061.0	006.0	080.4	000.1894	0266.3	037.2	50.09
282.0	000.0323	0062.1	006.1	080.2	000.1886	0266.3	037.1	50.09
283.0	000.0328	0062.6	006.2	080.0	000.1879	0266.4	037.1	50.07
284.0	000.0333	0063.0	006.2	079.9	000.1875	0266.5	037.1	50.07
285.0	000.0338	0063.4	006.2	079.7	000.1873	0266.6	037.1	50.06
286.0	000.0343	0063.8	006.3	079.5	000.1870	0266.7	037.1	50.05
287.0	000.0348	0064.2	006.3	079.3	000.1868	0266.8	037.2	50.04
288.0	000.0354	0064.6	006.4	079.1	000.1865	0266.9	037.2	50.03

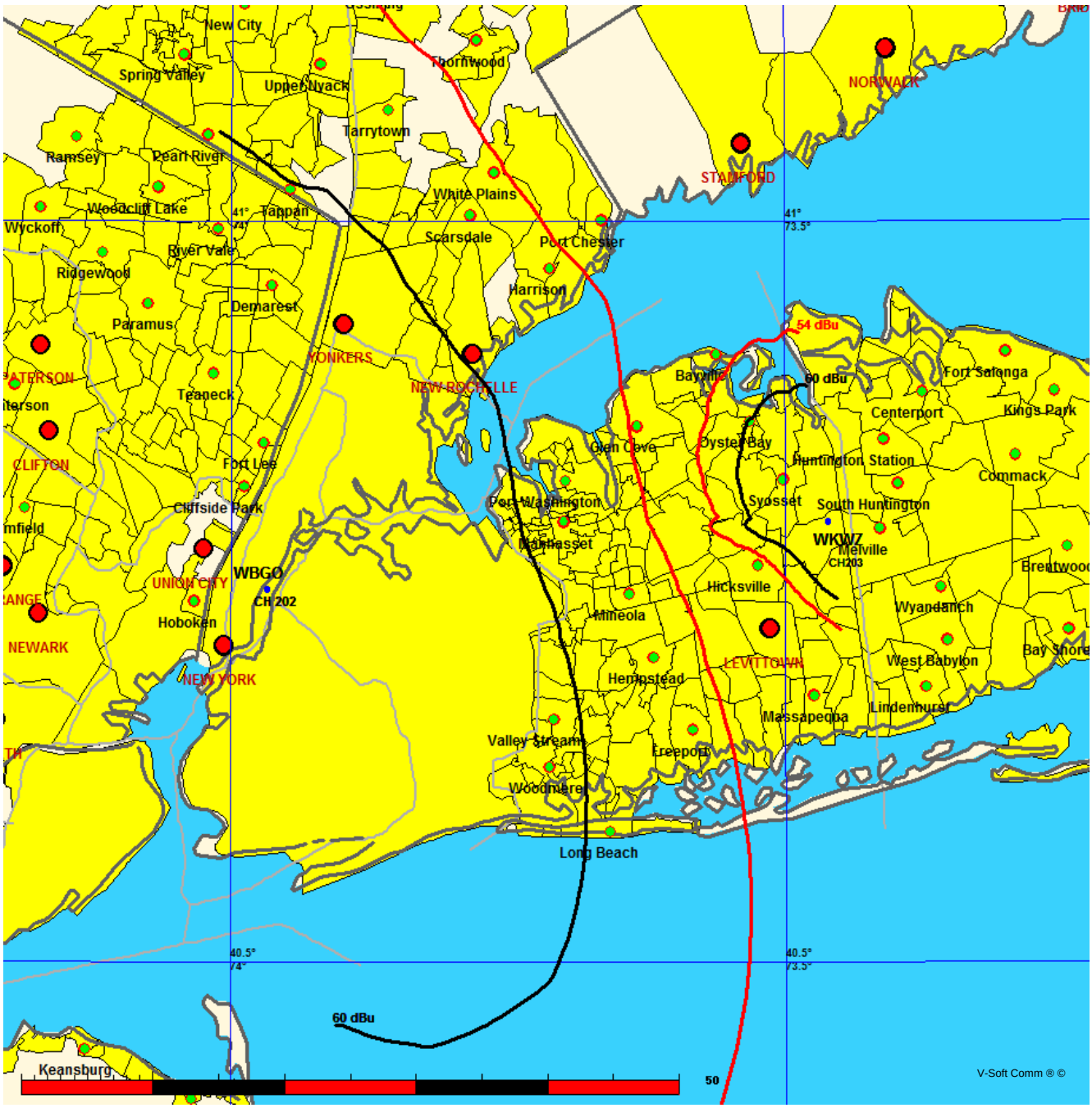
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
289.0	000.0359	0065.1	006.4	079.0	000.1863	0267.0	037.2	50.02
290.0	000.0365	0065.5	006.4	078.8	000.1863	0267.1	037.2	50.02
291.0	000.0370	0065.9	006.5	078.6	000.1863	0267.3	037.2	50.01
292.0	000.0375	0066.3	006.5	078.4	000.1863	0267.4	037.3	50.00
293.0	000.0381	0066.7	006.6	078.2	000.1863	0267.5	037.3	49.99
294.0	000.0386	0067.1	006.6	078.1	000.1863	0267.7	037.3	49.98
295.0	000.0392	0067.4	006.7	077.9	000.1862	0267.8	037.4	49.97
296.0	000.0398	0067.7	006.7	077.7	000.1859	0267.9	037.4	49.95
297.0	000.0403	0067.7	006.7	077.5	000.1857	0268.0	037.5	49.92
298.0	000.0409	0067.3	006.7	077.4	000.1855	0268.1	037.5	49.88
299.0	000.0415	0066.8	006.7	077.3	000.1853	0268.2	037.6	49.85
300.0	000.0420	0066.2	006.7	077.1	000.1851	0268.3	037.7	49.81
301.0	000.0426	0066.0	006.7	077.0	000.1850	0268.4	037.8	49.77
302.0	000.0432	0065.8	006.7	076.8	000.1850	0268.5	037.8	49.74
303.0	000.0438	0065.5	006.7	076.7	000.1850	0268.6	037.9	49.71
304.0	000.0444	0065.3	006.8	076.6	000.1850	0268.7	038.0	49.68
305.0	000.0450	0064.9	006.8	076.5	000.1850	0268.8	038.1	49.64
306.0	000.0456	0064.4	006.8	076.3	000.1850	0268.9	038.2	49.60
307.0	000.0462	0063.8	006.7	076.2	000.1850	0269.0	038.3	49.56
308.0	000.0468	0063.4	006.7	076.1	000.1850	0269.1	038.3	49.52
309.0	000.0474	0063.2	006.8	076.0	000.1850	0269.2	038.4	49.49
310.0	000.0481	0063.8	006.8	075.8	000.1847	0269.4	038.5	49.46
311.0	000.0484	0064.8	006.9	075.7	000.1845	0269.6	038.6	49.43
312.0	000.0487	0066.3	007.0	075.5	000.1842	0269.8	038.6	49.40
313.0	000.0490	0068.3	007.1	075.2	000.1839	0270.0	038.7	49.38
314.0	000.0493	0070.2	007.2	075.0	000.1836	0270.2	038.7	49.36
315.0	000.0496	0071.6	007.3	074.8	000.1833	0270.4	038.8	49.33
316.0	000.0499	0072.5	007.3	074.6	000.1831	0270.6	038.8	49.29
317.0	000.0502	0073.1	007.4	074.5	000.1829	0270.7	038.9	49.25
318.0	000.0506	0073.9	007.4	074.3	000.1827	0270.9	039.0	49.21
319.0	000.0509	0075.3	007.5	074.1	000.1824	0271.1	039.1	49.17
320.0	000.0512	0076.8	007.6	073.9	000.1823	0271.3	039.2	49.14
321.0	000.0517	0077.8	007.6	073.8	000.1823	0271.5	039.3	49.10
322.0	000.0522	0078.2	007.7	073.6	000.1823	0271.6	039.4	49.05
323.0	000.0527	0078.2	007.7	073.5	000.1823	0271.7	039.5	49.00
324.0	000.0531	0078.4	007.7	073.4	000.1823	0271.8	039.6	48.95

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 14.1 km, Out= 6.75 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WKWZ CH 203 A DA BLED19901102KA
Lat= 40 47 48.0, Lng= 73 27 44.0
0.125 kW 79 M HAAT, 116 M COR
Prot.= 60 dBu, Intef.= 54 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WKWZ BLED19901102KA
Channel = 203A
Max ERP = 0.125 kW
RCAMSL = 116 M
N. Lat. 40 47 48.0
W. Lng. 73 27 44.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
023.0	000.5858	0261.9	025.8	300.3	000.0835	0066.1	037.5	34.58	
024.0	000.5594	0260.2	025.5	299.8	000.0821	0066.3	037.0	34.73	
025.0	000.5342	0259.9	025.2	299.5	000.0809	0066.5	036.6	34.88	
026.0	000.5102	0260.7	025.0	299.1	000.0799	0066.7	036.1	35.04	
027.0	000.4872	0262.1	024.8	298.8	000.0790	0066.9	035.7	35.20	
028.0	000.4653	0263.8	024.6	298.5	000.0781	0067.1	035.2	35.35	
029.0	000.4444	0264.9	024.3	298.2	000.0770	0067.2	034.8	35.49	
030.0	000.4244	0265.0	024.1	297.7	000.0757	0067.5	034.4	35.62	
031.0	000.4127	0264.7	023.9	297.4	000.0748	0067.6	034.0	35.76	
032.0	000.4012	0264.8	023.8	297.1	000.0738	0067.7	033.6	35.89	
033.0	000.3899	0265.4	023.6	296.8	000.0729	0067.8	033.2	36.02	
034.0	000.3787	0266.3	023.5	296.5	000.0721	0067.8	032.8	36.14	
035.0	000.3677	0267.3	023.4	296.2	000.0711	0067.7	032.4	36.25	
036.0	000.3568	0268.2	023.3	295.8	000.0702	0067.6	032.0	36.35	
037.0	000.3461	0269.0	023.1	295.4	000.0691	0067.5	031.7	36.44	
038.0	000.3356	0269.8	023.0	295.0	000.0679	0067.4	031.3	36.53	
039.0	000.3253	0270.7	022.9	294.6	000.0668	0067.3	031.0	36.61	
040.0	000.3151	0271.6	022.7	294.2	000.0655	0067.2	030.6	36.69	
041.0	000.3133	0272.5	022.7	294.0	000.0650	0067.1	030.2	36.84	
042.0	000.3115	0273.2	022.7	293.7	000.0643	0067.0	029.9	36.99	
043.0	000.3098	0273.7	022.7	293.5	000.0636	0066.9	029.5	37.13	
044.0	000.3080	0274.0	022.7	293.2	000.0627	0066.7	029.1	37.26	
045.0	000.3062	0274.3	022.7	292.8	000.0618	0066.6	028.8	37.39	
046.0	000.3028	0274.4	022.6	292.4	000.0607	0066.4	028.4	37.49	
047.0	000.3010	0274.5	022.6	292.0	000.0597	0066.3	028.1	37.61	
048.0	000.2993	0274.5	022.6	291.6	000.0586	0066.1	027.7	37.72	
049.0	000.2976	0274.5	022.5	291.2	000.0575	0066.0	027.4	37.83	
050.0	000.2958	0274.8	022.5	290.8	000.0564	0065.8	027.1	37.93	
051.0	000.2873	0275.2	022.4	290.1	000.0546	0065.5	026.8	37.94	
052.0	000.2789	0275.6	022.2	289.4	000.0536	0065.3	026.5	37.99	
053.0	000.2706	0275.9	022.1	288.6	000.0526	0064.9	026.3	38.02	
054.0	000.2624	0276.0	021.9	287.9	000.0516	0064.5	026.1	38.03	
055.0	000.2544	0276.0	021.8	287.1	000.0506	0064.2	025.9	38.04	
056.0	000.2465	0275.9	021.6	286.3	000.0495	0063.9	025.7	38.04	
057.0	000.2387	0276.0	021.4	285.4	000.0484	0063.6	025.5	38.03	
058.0	000.2310	0276.1	021.3	284.6	000.0474	0063.3	025.3	38.01	
059.0	000.2235	0276.2	021.1	283.7	000.0463	0062.9	025.2	37.97	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
060.0	000.2161	0276.2	020.9	282.9	000.0452	0062.5	025.1	37.91
061.0	000.2117	0276.2	020.8	282.1	000.0442	0062.1	024.9	37.88
062.0	000.2088	0276.3	020.8	281.3	000.0433	0061.5	024.7	37.83
063.0	000.2045	0276.3	020.7	280.5	000.0424	0060.4	024.6	37.70
064.0	000.2016	0276.2	020.6	279.7	000.0419	0059.3	024.4	37.62
065.0	000.1974	0276.1	020.5	278.9	000.0424	0058.0	024.3	37.57
066.0	000.1932	0275.9	020.4	278.0	000.0429	0056.4	024.2	37.45
067.0	000.1904	0275.6	020.3	277.2	000.0433	0055.1	024.1	37.37
068.0	000.1863	0275.4	020.2	276.3	000.0438	0054.4	024.0	37.36
069.0	000.1836	0274.9	020.1	275.5	000.0443	0053.9	024.0	37.39
070.0	000.1796	0274.3	019.9	274.6	000.0449	0052.7	023.9	37.26
071.0	000.1809	0273.5	019.9	273.9	000.0453	0051.3	023.8	37.16
072.0	000.1809	0272.8	019.9	273.0	000.0458	0049.7	023.7	36.99
073.0	000.1823	0272.1	019.9	272.3	000.0462	0048.2	023.6	36.85
074.0	000.1823	0271.2	019.9	271.4	000.0467	0047.8	023.5	36.88
075.0	000.1836	0270.2	019.9	270.6	000.0472	0050.4	023.4	37.49
076.0	000.1850	0269.2	019.9	269.8	000.0468	0053.1	023.3	37.98
077.0	000.1850	0268.4	019.9	268.9	000.0436	0055.8	023.2	38.16
078.0	000.1863	0267.7	019.9	268.1	000.0406	0058.5	023.2	38.31
079.0	000.1863	0267.0	019.9	267.2	000.0376	0060.9	023.1	38.32
080.0	000.1877	0266.4	019.9	266.4	000.0348	0062.5	023.1	38.22
081.0	000.1918	0266.2	020.0	265.6	000.0321	0063.8	023.0	38.14
082.0	000.1974	0266.3	020.1	264.7	000.0294	0065.1	022.8	38.05
083.0	000.2016	0266.3	020.2	263.8	000.0268	0066.2	022.7	37.87
084.0	000.2074	0266.7	020.4	262.9	000.0243	0066.9	022.5	37.64
085.0	000.2117	0267.2	020.5	262.0	000.0218	0067.5	022.4	37.34
086.0	000.2161	0267.8	020.6	261.1	000.0194	0068.2	022.3	37.00
087.0	000.2220	0268.2	020.8	260.1	000.0171	0069.1	022.2	36.65
088.0	000.2265	0268.2	020.9	259.1	000.0157	0070.2	022.2	36.44
089.0	000.2326	0268.1	021.0	258.1	000.0144	0071.3	022.1	36.23
090.0	000.2372	0268.0	021.1	257.2	000.0131	0072.2	022.1	35.96
091.0	000.2465	0267.9	021.3	256.1	000.0118	0073.0	022.0	35.67
092.0	000.2560	0267.8	021.5	255.0	000.0106	0073.8	021.9	35.35
093.0	000.2657	0267.7	021.7	253.9	000.0094	0074.7	021.8	34.98
094.0	000.2756	0267.7	021.9	252.8	000.0082	0075.7	021.8	34.57
095.0	000.2856	0267.4	022.0	251.7	000.0072	0076.6	021.8	34.08
096.0	000.2941	0266.7	022.2	250.7	000.0062	0077.1	021.8	33.49
097.0	000.3045	0265.8	022.3	249.6	000.0055	0077.4	021.9	32.99
098.0	000.3151	0264.9	022.5	248.5	000.0052	0077.6	021.9	32.70
099.0	000.3258	0263.7	022.6	247.4	000.0049	0077.7	022.0	32.38
100.0	000.3367	0263.0	022.7	246.4	000.0046	0078.0	022.1	32.06
101.0	000.3553	0262.5	023.0	245.1	000.0043	0078.6	022.1	31.79
102.0	000.3725	0262.1	023.3	243.9	000.0039	0079.5	022.2	31.51
103.0	000.3901	0261.4	023.5	242.7	000.0036	0080.4	022.3	31.21
104.0	000.4080	0260.4	023.7	241.6	000.0034	0081.5	022.4	30.89
105.0	000.4264	0259.4	023.9	240.5	000.0031	0082.5	022.5	30.55
106.0	000.4473	0258.8	024.1	239.3	000.0029	0083.5	022.7	30.33
107.0	000.4687	0258.6	024.4	238.1	000.0029	0084.4	022.8	30.18
108.0	000.4906	0258.5	024.6	236.9	000.0028	0085.1	023.0	29.99
109.0	000.5130	0258.2	024.9	235.8	000.0027	0085.5	023.2	29.76
110.0	000.5382	0257.8	025.1	234.6	000.0026	0086.0	023.4	29.52

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
111.0	000.5641	0257.5	025.4	233.5	000.0025	0086.5	023.6	29.27
112.0	000.5905	0257.3	025.7	232.4	000.0024	0087.0	023.8	29.01
113.0	000.6175	0257.1	025.9	231.3	000.0024	0087.6	024.1	28.74
114.0	000.6477	0257.0	026.2	230.3	000.0023	0088.2	024.4	28.47
115.0	000.6760	0257.0	026.5	229.3	000.0023	0088.6	024.7	28.24
116.0	000.7102	0257.4	026.8	228.2	000.0022	0089.0	025.0	28.03
117.0	000.7426	0258.0	027.1	227.1	000.0022	0089.1	025.3	27.78
118.0	000.7784	0258.5	027.4	226.1	000.0022	0089.2	025.7	27.51
119.0	000.8151	0258.9	027.7	225.1	000.0022	0089.2	026.0	27.23
120.0	000.8526	0259.3	028.0	224.2	000.0022	0089.4	026.4	26.95
121.0	000.8940	0259.5	028.3	223.3	000.0022	0089.6	026.8	26.68
122.0	000.9333	0259.7	028.6	222.5	000.0022	0090.0	027.3	26.41
123.0	000.9797	0260.0	029.0	221.6	000.0021	0090.4	027.7	26.14
124.0	001.0240	0260.4	029.3	220.8	000.0021	0090.7	028.2	25.87
125.0	001.0726	0261.1	029.7	220.0	000.0021	0091.1	028.6	25.59
126.0	001.1223	0261.9	030.0	219.2	000.0021	0091.5	029.1	25.36
127.0	001.1765	0262.7	030.4	218.4	000.0021	0091.8	029.7	25.13
128.0	001.2320	0263.3	030.8	217.7	000.0021	0092.1	030.2	24.89
129.0	001.2888	0263.9	031.1	217.1	000.0022	0092.4	030.7	24.64
130.0	001.3506	0264.4	031.5	216.4	000.0022	0092.6	031.3	24.39
131.0	001.4138	0264.7	031.9	215.8	000.0022	0092.7	031.9	24.13
132.0	001.4822	0264.9	032.3	215.3	000.0022	0092.8	032.5	23.87
133.0	001.5524	0265.1	032.6	214.8	000.0022	0092.9	033.1	23.61
134.0	001.6241	0265.4	033.0	214.3	000.0022	0093.0	033.7	23.35
135.0	001.7016	0265.7	033.4	213.8	000.0022	0093.2	034.4	23.08
136.0	001.7808	0266.1	033.8	213.4	000.0022	0093.4	035.0	22.82
137.0	001.8662	0266.5	034.1	213.0	000.0022	0093.7	035.7	22.56
138.0	001.9536	0266.6	034.5	212.7	000.0022	0093.9	036.4	22.29
139.0	002.0430	0266.7	034.9	212.5	000.0022	0094.2	037.0	22.02
140.0	002.1391	0266.9	035.2	212.2	000.0022	0094.4	037.7	21.74
141.0	002.2278	0267.2	035.6	212.0	000.0022	0094.5	038.4	21.46
142.0	002.3184	0267.8	035.9	211.9	000.0022	0094.7	039.1	21.18
143.0	002.4059	0268.5	036.2	211.7	000.0022	0094.8	039.8	20.89

01-30-2009 FCC NGDC 30 Sec Terrain Data

WKWZ BLED19901102KA
Channel = 203A
Max ERP = 0.125 kW
RCAMSL = 116 M
N. Lat. 40 47 48.0
W. Lng. 73 27 44.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
204.0	000.0026	0097.4	004.0	088.1	000.2271	0268.2	041.0	49.20	
205.0	000.0025	0097.1	004.0	088.0	000.2267	0268.2	040.9	49.21	
206.0	000.0025	0096.9	004.0	087.9	000.2263	0268.2	040.9	49.23	
207.0	000.0024	0096.6	004.0	087.9	000.2259	0268.2	040.8	49.24	
208.0	000.0024	0096.4	003.9	087.8	000.2255	0268.2	040.8	49.26	
209.0	000.0023	0096.0	003.9	087.7	000.2252	0268.2	040.7	49.27	
210.0	000.0023	0095.7	003.9	087.6	000.2248	0268.2	040.7	49.28	
211.0	000.0023	0095.3	003.9	087.5	000.2245	0268.2	040.6	49.30	
212.0	000.0022	0094.5	003.8	087.5	000.2241	0268.2	040.6	49.31	
213.0	000.0022	0093.7	003.8	087.4	000.2237	0268.2	040.5	49.32	
214.0	000.0022	0093.1	003.8	087.3	000.2234	0268.2	040.5	49.33	
215.0	000.0022	0092.8	003.8	087.2	000.2231	0268.2	040.5	49.35	
216.0	000.0022	0092.6	003.8	087.2	000.2227	0268.2	040.4	49.36	
217.0	000.0022	0092.4	003.8	087.1	000.2224	0268.2	040.4	49.37	
218.0	000.0021	0092.0	003.7	087.0	000.2221	0268.2	040.3	49.38	
219.0	000.0021	0091.6	003.7	086.9	000.2216	0268.2	040.3	49.39	
220.0	000.0021	0091.1	003.7	086.9	000.2212	0268.2	040.3	49.40	
221.0	000.0021	0090.6	003.7	086.8	000.2208	0268.1	040.2	49.41	
222.0	000.0021	0090.2	003.7	086.7	000.2204	0268.1	040.2	49.42	
223.0	000.0022	0089.7	003.7	086.7	000.2200	0268.1	040.1	49.43	
224.0	000.0022	0089.4	003.7	086.6	000.2196	0268.1	040.1	49.44	
225.0	000.0022	0089.2	003.7	086.5	000.2192	0268.0	040.0	49.46	
226.0	000.0022	0089.2	003.7	086.5	000.2188	0268.0	040.0	49.47	
227.0	000.0022	0089.2	003.7	086.4	000.2184	0268.0	039.9	49.48	
228.0	000.0022	0089.0	003.7	086.3	000.2180	0267.9	039.9	49.49	
229.0	000.0023	0088.7	003.7	086.3	000.2176	0267.9	039.8	49.50	
230.0	000.0023	0088.3	003.7	086.2	000.2172	0267.9	039.8	49.51	
231.0	000.0023	0087.8	003.7	086.1	000.2168	0267.8	039.8	49.52	
232.0	000.0024	0087.3	003.8	086.1	000.2164	0267.8	039.7	49.54	
233.0	000.0025	0086.7	003.8	086.0	000.2161	0267.8	039.7	49.55	
234.0	000.0026	0086.2	003.8	085.9	000.2158	0267.7	039.6	49.57	
235.0	000.0026	0085.8	003.8	085.9	000.2155	0267.7	039.6	49.58	
236.0	000.0027	0085.4	003.8	085.8	000.2152	0267.7	039.5	49.60	
237.0	000.0028	0085.0	003.8	085.7	000.2148	0267.6	039.5	49.61	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
238.0	000.0029	0084.5	003.9	085.6	000.2145	0267.6	039.4	49.63
239.0	000.0029	0083.8	003.9	085.6	000.2142	0267.5	039.4	49.64
240.0	000.0030	0082.9	003.9	085.5	000.2138	0267.5	039.3	49.64
241.0	000.0032	0082.0	003.9	085.4	000.2135	0267.5	039.3	49.67
242.0	000.0035	0081.1	004.0	085.4	000.2133	0267.4	039.2	49.70
243.0	000.0037	0080.2	004.0	085.3	000.2130	0267.4	039.1	49.73
244.0	000.0040	0079.4	004.1	085.2	000.2127	0267.4	039.0	49.75
245.0	000.0042	0078.7	004.1	085.1	000.2124	0267.3	039.0	49.78
246.0	000.0045	0078.2	004.2	085.1	000.2120	0267.3	038.9	49.80
247.0	000.0048	0077.8	004.2	085.0	000.2117	0267.2	038.8	49.83
248.0	000.0051	0077.7	004.3	084.9	000.2114	0267.2	038.7	49.86
249.0	000.0054	0077.6	004.4	084.8	000.2110	0267.2	038.7	49.89
250.0	000.0057	0077.3	004.4	084.8	000.2106	0267.1	038.6	49.91
251.0	000.0065	0076.9	004.6	084.7	000.2104	0267.1	038.4	49.98
252.0	000.0074	0076.4	004.7	084.6	000.2101	0267.1	038.3	50.05
253.0	000.0084	0075.6	004.8	084.5	000.2097	0267.0	038.1	50.11
254.0	000.0095	0074.7	005.0	084.5	000.2093	0267.0	038.0	50.16
255.0	000.0105	0073.9	005.1	084.4	000.2089	0266.9	037.9	50.20
256.0	000.0117	0073.1	005.2	084.2	000.2084	0266.9	037.7	50.25
257.0	000.0129	0072.4	005.3	084.1	000.2079	0266.8	037.6	50.29
258.0	000.0142	0071.4	005.4	084.0	000.2074	0266.7	037.5	50.32
259.0	000.0155	0070.3	005.4	083.9	000.2066	0266.6	037.4	50.34
260.0	000.0169	0069.2	005.5	083.7	000.2059	0266.5	037.4	50.36
261.0	000.0193	0068.3	005.7	083.6	000.2051	0266.5	037.2	50.41
262.0	000.0218	0067.5	005.8	083.5	000.2042	0266.4	037.1	50.46
263.0	000.0245	0066.8	005.9	083.3	000.2034	0266.3	037.0	50.50
264.0	000.0273	0066.0	006.0	083.1	000.2024	0266.3	036.8	50.53
265.0	000.0303	0064.6	006.1	083.0	000.2015	0266.3	036.7	50.55
266.0	000.0335	0063.2	006.2	082.8	000.2008	0266.3	036.7	50.57
267.0	000.0368	0061.4	006.3	082.6	000.2000	0266.3	036.6	50.58
268.0	000.0402	0058.9	006.3	082.4	000.1993	0266.3	036.6	50.57
269.0	000.0438	0055.6	006.2	082.3	000.1986	0266.3	036.7	50.53
270.0	000.0476	0052.4	006.2	082.1	000.1979	0266.3	036.7	50.48
271.0	000.0470	0049.2	006.0	082.0	000.1975	0266.3	037.0	50.36
272.0	000.0464	0047.8	005.9	081.9	000.1967	0266.3	037.1	50.29
273.0	000.0458	0049.6	006.0	081.7	000.1957	0266.3	037.0	50.30
274.0	000.0452	0051.6	006.1	081.5	000.1946	0266.3	036.9	50.31
275.0	000.0446	0053.3	006.1	081.3	000.1936	0266.3	036.9	50.32
276.0	000.0440	0054.3	006.2	081.1	000.1926	0266.2	036.9	50.30
277.0	000.0435	0054.9	006.2	081.0	000.1917	0266.2	036.9	50.27
278.0	000.0429	0056.4	006.3	080.8	000.1909	0266.2	036.8	50.27
279.0	000.0423	0058.2	006.3	080.6	000.1901	0266.2	036.8	50.27
280.0	000.0418	0059.7	006.4	080.4	000.1893	0266.3	036.8	50.26
281.0	000.0430	0061.0	006.5	080.2	000.1884	0266.4	036.7	50.27
282.0	000.0442	0062.1	006.6	080.0	000.1876	0266.4	036.7	50.28
283.0	000.0454	0062.6	006.7	079.7	000.1873	0266.5	036.7	50.28
284.0	000.0466	0063.0	006.7	079.5	000.1871	0266.6	036.6	50.29
285.0	000.0479	0063.4	006.8	079.3	000.1868	0266.8	036.6	50.29
286.0	000.0492	0063.8	006.8	079.1	000.1865	0266.9	036.6	50.29
287.0	000.0505	0064.2	006.9	078.9	000.1863	0267.1	036.6	50.29
288.0	000.0518	0064.6	007.0	078.7	000.1863	0267.2	036.6	50.29

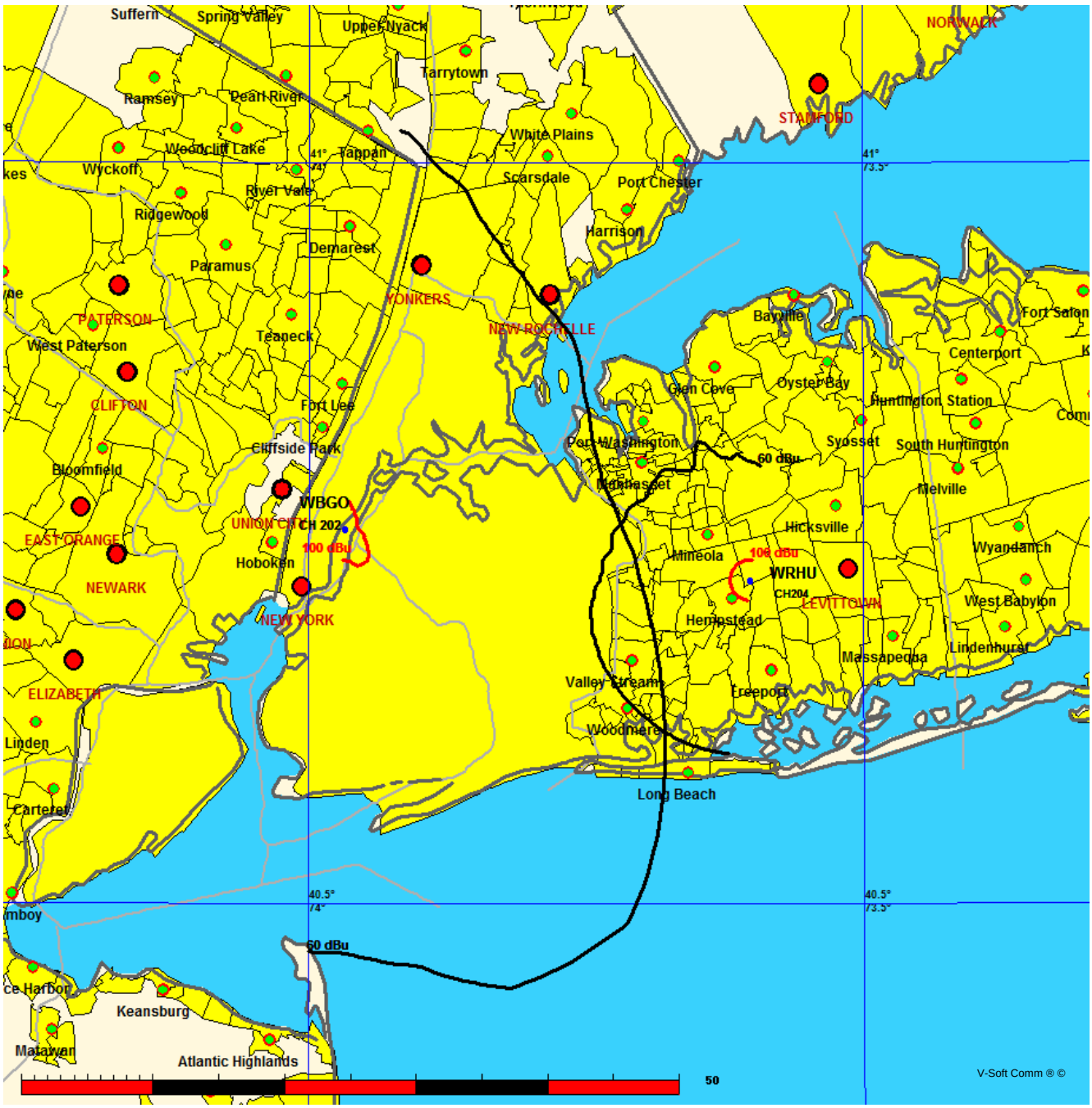
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
289.0	000.0531	0065.1	007.0	078.5	000.1863	0267.4	036.6	50.30
290.0	000.0545	0065.5	007.1	078.2	000.1863	0267.5	036.6	50.30
291.0	000.0570	0065.9	007.2	078.0	000.1863	0267.7	036.6	50.31
292.0	000.0596	0066.3	007.3	077.7	000.1860	0267.9	036.6	50.32
293.0	000.0623	0066.7	007.4	077.5	000.1856	0268.1	036.6	50.32
294.0	000.0650	0067.1	007.5	077.2	000.1853	0268.2	036.6	50.32
295.0	000.0678	0067.4	007.6	077.0	000.1850	0268.4	036.6	50.32
296.0	000.0707	0067.7	007.7	076.7	000.1850	0268.6	036.6	50.32
297.0	000.0736	0067.7	007.8	076.5	000.1850	0268.8	036.6	50.32
298.0	000.0765	0067.3	007.9	076.2	000.1850	0269.0	036.7	50.31
299.0	000.0795	0066.8	007.9	076.0	000.1850	0269.2	036.7	50.29
300.0	000.0826	0066.2	008.0	075.8	000.1847	0269.4	036.8	50.26
301.0	000.0857	0066.0	008.0	075.6	000.1844	0269.6	036.8	50.23
302.0	000.0888	0065.8	008.1	075.4	000.1841	0269.9	036.9	50.21
303.0	000.0920	0065.5	008.2	075.1	000.1838	0270.1	036.9	50.18
304.0	000.0952	0065.3	008.2	074.9	000.1835	0270.3	037.0	50.15
305.0	000.0985	0064.9	008.3	074.7	000.1832	0270.5	037.1	50.11
306.0	000.1018	0064.4	008.3	074.5	000.1829	0270.7	037.2	50.08
307.0	000.1052	0063.8	008.4	074.3	000.1827	0270.9	037.3	50.03
308.0	000.1086	0063.4	008.4	074.1	000.1824	0271.1	037.3	49.99
309.0	000.1121	0063.2	008.5	073.9	000.1823	0271.3	037.4	49.96
310.0	000.1157	0063.8	008.6	073.7	000.1823	0271.6	037.5	49.93
311.0	000.1166	0064.8	008.7	073.4	000.1823	0271.8	037.6	49.90
312.0	000.1175	0066.3	008.8	073.1	000.1823	0272.0	037.6	49.88
313.0	000.1184	0068.3	008.9	072.8	000.1820	0272.2	037.7	49.85
314.0	000.1194	0070.2	009.1	072.5	000.1816	0272.4	037.8	49.82
315.0	000.1203	0071.6	009.2	072.3	000.1813	0272.6	037.8	49.78
316.0	000.1212	0072.5	009.3	072.1	000.1810	0272.7	038.0	49.72
317.0	000.1222	0073.1	009.3	071.9	000.1809	0272.9	038.1	49.67
318.0	000.1231	0073.9	009.4	071.7	000.1809	0273.0	038.2	49.62
319.0	000.1241	0075.3	009.5	071.4	000.1809	0273.2	038.3	49.58
320.0	000.1250	0076.8	009.6	071.2	000.1809	0273.4	038.4	49.53
321.0	000.1250	0077.8	009.7	071.0	000.1809	0273.5	038.6	49.47
322.0	000.1250	0078.2	009.7	070.9	000.1808	0273.6	038.7	49.40
323.0	000.1250	0078.2	009.7	070.8	000.1807	0273.7	038.9	49.33
324.0	000.1250	0078.4	009.7	070.7	000.1805	0273.8	039.0	49.25

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 7.05 km, Out= 17.75 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WRHU CH 204 A BMLED19881011KA
Lat= 40 43 03.0, Lng= 73 36 12.0
0.47 kW 55 M HAAT, 78 M COR
Prot.= 60 dBu, Intef.= 100 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WRHU BMLED19881011KA
Channel = 204A
Max ERP = 0.47 kW
RCAMSL = 78 M
N. Lat. 40 43 03.0
W. Lng. 73 36 12.0
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
037.0	000.3461	0269.0	023.1	323.1	000.4700	0046.2	028.0	43.56	
038.0	000.3356	0269.8	023.0	323.1	000.4700	0046.2	027.5	43.83	
039.0	000.3253	0270.7	022.9	323.1	000.4700	0046.3	027.1	44.11	
040.0	000.3151	0271.6	022.7	323.0	000.4700	0046.4	026.7	44.39	
041.0	000.3133	0272.5	022.7	323.2	000.4700	0046.2	026.3	44.61	
042.0	000.3115	0273.2	022.7	323.3	000.4700	0046.0	025.9	44.83	
043.0	000.3098	0273.7	022.7	323.5	000.4700	0045.8	025.5	45.06	
044.0	000.3080	0274.0	022.7	323.6	000.4700	0045.7	025.1	45.30	
045.0	000.3062	0274.3	022.7	323.7	000.4700	0045.6	024.7	45.56	
046.0	000.3028	0274.4	022.6	323.7	000.4700	0045.6	024.3	45.84	
047.0	000.3010	0274.5	022.6	323.7	000.4700	0045.5	023.9	46.11	
048.0	000.2993	0274.5	022.6	323.7	000.4700	0045.5	023.6	46.40	
049.0	000.2976	0274.5	022.5	323.7	000.4700	0045.5	023.2	46.69	
050.0	000.2958	0274.8	022.5	323.8	000.4700	0045.5	022.8	46.98	
051.0	000.2873	0275.2	022.4	323.5	000.4700	0045.9	022.4	47.36	
052.0	000.2789	0275.6	022.2	323.1	000.4700	0046.2	022.0	47.75	
053.0	000.2706	0275.9	022.1	322.7	000.4700	0046.6	021.6	48.13	
054.0	000.2624	0276.0	021.9	322.3	000.4700	0047.0	021.2	48.50	
055.0	000.2544	0276.0	021.8	321.8	000.4700	0047.3	020.8	48.86	
056.0	000.2465	0275.9	021.6	321.3	000.4700	0047.5	020.5	49.20	
057.0	000.2387	0276.0	021.4	320.7	000.4700	0047.7	020.1	49.52	
058.0	000.2310	0276.1	021.3	320.1	000.4700	0047.7	019.8	49.82	
059.0	000.2235	0276.2	021.1	319.4	000.4700	0047.6	019.4	50.09	
060.0	000.2161	0276.2	020.9	318.7	000.4700	0047.3	019.1	50.30	
061.0	000.2117	0276.2	020.8	318.2	000.4700	0047.0	018.8	50.51	
062.0	000.2088	0276.3	020.8	317.7	000.4700	0046.7	018.4	50.74	
063.0	000.2045	0276.3	020.7	317.1	000.4700	0046.3	018.1	50.93	
064.0	000.2016	0276.2	020.6	316.6	000.4700	0046.1	017.8	51.16	
065.0	000.1974	0276.1	020.5	315.8	000.4700	0045.9	017.5	51.39	
066.0	000.1932	0275.9	020.4	315.1	000.4700	0046.0	017.2	51.65	
067.0	000.1904	0275.6	020.3	314.4	000.4700	0046.0	016.9	51.91	
068.0	000.1863	0275.4	020.2	313.5	000.4700	0046.1	016.6	52.16	
069.0	000.1836	0274.9	020.1	312.7	000.4700	0045.7	016.3	52.33	
070.0	000.1796	0274.3	019.9	311.7	000.4700	0045.1	016.1	52.41	
071.0	000.1809	0273.5	019.9	311.1	000.4700	0044.6	015.8	52.57	
072.0	000.1809	0272.8	019.9	310.4	000.4700	0044.0	015.5	52.69	
073.0	000.1823	0272.1	019.9	309.7	000.4700	0043.5	015.2	52.86	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
074.0	000.1823	0271.2	019.9	308.9	000.4700	0043.0	014.9	52.84
075.0	000.1836	0270.2	019.9	308.1	000.4700	0042.8	014.6	53.12
076.0	000.1850	0269.2	019.9	307.3	000.4700	0043.0	014.4	53.49
077.0	000.1850	0268.4	019.9	306.3	000.4700	0043.8	014.1	53.97
078.0	000.1863	0267.7	019.9	305.3	000.4700	0044.8	013.8	54.51
079.0	000.1863	0267.0	019.9	304.3	000.4700	0045.7	013.6	55.00
080.0	000.1877	0266.4	019.9	303.2	000.4700	0046.3	013.4	55.46
081.0	000.1918	0266.2	020.0	302.4	000.4700	0047.0	013.1	56.02
082.0	000.1974	0266.3	020.1	301.6	000.4700	0047.7	012.7	56.64
083.0	000.2016	0266.3	020.2	300.7	000.4700	0048.6	012.4	57.25
084.0	000.2074	0266.7	020.4	299.8	000.4700	0049.0	012.1	57.83
085.0	000.2117	0267.2	020.5	298.7	000.4700	0048.8	011.8	58.28
086.0	000.2161	0267.8	020.6	297.5	000.4700	0048.2	011.5	58.62
087.0	000.2220	0268.2	020.8	296.3	000.4700	0047.7	011.2	59.03
088.0	000.2265	0268.2	020.9	294.9	000.4700	0047.7	010.9	59.45
089.0	000.2326	0268.1	021.0	293.5	000.4700	0048.2	010.6	60.01
090.0	000.2372	0268.0	021.1	291.8	000.4700	0049.2	010.4	60.60
091.0	000.2465	0267.9	021.3	290.3	000.4700	0050.6	010.1	61.40
092.0	000.2560	0267.8	021.5	288.5	000.4700	0051.5	009.8	62.07
093.0	000.2657	0267.7	021.7	286.7	000.4700	0051.5	009.5	62.56
094.0	000.2756	0267.7	021.9	284.6	000.4700	0050.0	009.3	62.76
095.0	000.2856	0267.4	022.0	282.4	000.4700	0049.3	009.0	63.07
096.0	000.2941	0266.7	022.2	280.1	000.4700	0051.6	008.9	63.78
097.0	000.3045	0265.8	022.3	277.6	000.4700	0053.7	008.7	64.44
098.0	000.3151	0264.9	022.5	274.9	000.4700	0054.3	008.6	64.79
099.0	000.3258	0263.7	022.6	272.2	000.4700	0054.3	008.5	64.96
100.0	000.3367	0263.0	022.7	269.4	000.4700	0056.2	008.4	65.44
101.0	000.3553	0262.5	023.0	266.3	000.4700	0059.8	008.2	66.28
102.0	000.3725	0262.1	023.3	263.1	000.4700	0062.5	008.1	66.83
103.0	000.3901	0261.4	023.5	259.8	000.4700	0065.5	008.0	67.32
104.0	000.4080	0260.4	023.7	256.5	000.4700	0067.2	008.0	67.55
105.0	000.4264	0259.4	023.9	253.2	000.4700	0069.0	008.1	67.71
106.0	000.4473	0258.8	024.1	249.8	000.4700	0069.9	008.1	67.75
107.0	000.4687	0258.6	024.4	246.3	000.4700	0070.5	008.2	67.69
108.0	000.4906	0258.5	024.6	242.9	000.4700	0071.6	008.3	67.63
109.0	000.5130	0258.2	024.9	239.7	000.4700	0072.4	008.4	67.43
110.0	000.5382	0257.8	025.1	236.5	000.4700	0072.7	008.6	67.12
111.0	000.5641	0257.5	025.4	233.4	000.4700	0073.1	008.8	66.76
112.0	000.5905	0257.3	025.7	230.6	000.4700	0073.6	009.1	66.35
113.0	000.6175	0257.1	025.9	227.9	000.4700	0074.0	009.4	65.87
114.0	000.6477	0257.0	026.2	225.2	000.4700	0074.2	009.7	65.33
115.0	000.6760	0257.0	026.5	222.9	000.4700	0074.1	010.0	64.71
116.0	000.7102	0257.4	026.8	220.5	000.4700	0074.3	010.4	64.11
117.0	000.7426	0258.0	027.1	218.3	000.4700	0074.4	010.8	63.46
118.0	000.7784	0258.5	027.4	216.2	000.4700	0074.6	011.2	62.80
119.0	000.8151	0258.9	027.7	214.4	000.4700	0074.9	011.6	62.12
120.0	000.8526	0259.3	028.0	212.7	000.4700	0075.2	012.1	61.43
121.0	000.8940	0259.5	028.3	211.2	000.4700	0075.5	012.6	60.74
122.0	000.9333	0259.7	028.6	209.9	000.4700	0075.7	013.1	60.04
123.0	000.9797	0260.0	029.0	208.6	000.4700	0075.8	013.6	59.35
124.0	001.0240	0260.4	029.3	207.4	000.4700	0075.9	014.1	58.66

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
125.0	001.0726	0261.1	029.7	206.3	000.4700	0076.0	014.7	58.00
126.0	001.1223	0261.9	030.0	205.3	000.4700	0076.0	015.3	57.61
127.0	001.1765	0262.7	030.4	204.3	000.4700	0076.0	015.9	57.10
128.0	001.2320	0263.3	030.8	203.5	000.4700	0076.1	016.5	56.57
129.0	001.2888	0263.9	031.1	202.8	000.4700	0076.1	017.1	56.05
130.0	001.3506	0264.4	031.5	202.1	000.4700	0076.1	017.7	55.51
131.0	001.4138	0264.7	031.9	201.6	000.4700	0076.1	018.4	54.97
132.0	001.4822	0264.9	032.3	201.1	000.4700	0076.1	019.0	54.42
133.0	001.5524	0265.1	032.6	200.7	000.4700	0076.1	019.7	53.87
134.0	001.6241	0265.4	033.0	200.4	000.4700	0076.1	020.4	53.33
135.0	001.7016	0265.7	033.4	200.1	000.4700	0076.1	021.0	52.78
136.0	001.7808	0266.1	033.8	199.8	000.4700	0076.2	021.7	52.23
137.0	001.8662	0266.5	034.1	199.6	000.4700	0076.2	022.4	51.69
138.0	001.9536	0266.6	034.5	199.5	000.4700	0076.2	023.1	51.15
139.0	002.0430	0266.7	034.9	199.5	000.4700	0076.2	023.8	50.63
140.0	002.1391	0266.9	035.2	199.5	000.4700	0076.2	024.6	50.11
141.0	002.2278	0267.2	035.6	199.6	000.4700	0076.2	025.3	49.62
142.0	002.3184	0267.8	035.9	199.6	000.4700	0076.2	026.0	49.12
143.0	002.4059	0268.5	036.2	199.8	000.4700	0076.2	026.7	48.65
144.0	002.5000	0269.0	036.6	200.0	000.4700	0076.2	027.4	48.19
145.0	002.5000	0269.4	036.6	200.7	000.4700	0076.1	027.9	47.85
146.0	002.5000	0269.8	036.6	201.4	000.4700	0076.1	028.5	47.52
147.0	002.5000	0270.0	036.6	202.1	000.4700	0076.1	029.0	47.20
148.0	002.5000	0270.4	036.6	202.8	000.4700	0076.1	029.5	46.89
149.0	002.5000	0270.8	036.7	203.4	000.4700	0076.1	030.1	46.60
150.0	002.5000	0271.3	036.7	204.1	000.4700	0076.0	030.6	46.31
151.0	002.5000	0271.8	036.7	204.7	000.4700	0076.0	031.1	46.03
152.0	002.5000	0272.2	036.7	205.4	000.4700	0076.0	031.7	45.77
153.0	002.5000	0272.4	036.8	206.1	000.4700	0076.0	032.2	45.52
154.0	002.5000	0272.4	036.8	206.8	000.4700	0075.9	032.7	45.29
155.0	002.5000	0272.3	036.8	207.5	000.4700	0075.9	033.2	45.06
156.0	002.5000	0272.0	036.7	208.1	000.4700	0075.9	033.7	44.83
157.0	002.5000	0271.7	036.7	208.8	000.4700	0075.8	034.2	44.60

01-30-2009 FCC NGDC 30 Sec Terrain Data

WRHU BMLED19881011KA
Channel = 204A
Max ERP = 0.47 kW
RCAMSL = 78 M
N. Lat. 40 43 03.0
W. Lng. 73 36 12.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
217.0	000.4700	0074.6	013.0	121.8	000.9260	0259.7	027.0	62.24	
218.0	000.4700	0074.5	013.0	121.7	000.9233	0259.7	026.8	62.38	
219.0	000.4700	0074.4	013.0	121.7	000.9205	0259.7	026.5	62.51	
220.0	000.4700	0074.3	013.0	121.6	000.9173	0259.6	026.3	62.65	
221.0	000.4700	0074.2	013.0	121.5	000.9138	0259.6	026.1	62.78	
222.0	000.4700	0074.2	013.0	121.4	000.9100	0259.6	025.9	62.92	
223.0	000.4700	0074.1	013.0	121.3	000.9061	0259.6	025.7	63.05	
224.0	000.4700	0074.2	013.0	121.2	000.9021	0259.5	025.4	63.19	
225.0	000.4700	0074.2	013.0	121.1	000.8977	0259.5	025.2	63.32	
226.0	000.4700	0074.2	013.0	121.0	000.8926	0259.5	025.0	63.45	
227.0	000.4700	0074.1	013.0	120.8	000.8862	0259.5	024.8	63.58	
228.0	000.4700	0074.0	013.0	120.6	000.8789	0259.4	024.6	63.70	
229.0	000.4700	0073.8	013.0	120.4	000.8709	0259.4	024.3	63.81	
230.0	000.4700	0073.6	012.9	120.2	000.8626	0259.3	024.1	63.92	
231.0	000.4700	0073.5	012.9	120.0	000.8542	0259.3	023.9	64.03	
232.0	000.4700	0073.4	012.9	119.8	000.8456	0259.2	023.7	64.13	
233.0	000.4700	0073.2	012.9	119.6	000.8366	0259.1	023.5	64.24	
234.0	000.4700	0073.0	012.9	119.3	000.8269	0259.0	023.3	64.33	
235.0	000.4700	0072.9	012.9	119.1	000.8170	0258.9	023.1	64.43	
236.0	000.4700	0072.7	012.9	118.8	000.8070	0258.8	022.9	64.52	
237.0	000.4700	0072.7	012.9	118.5	000.7968	0258.7	022.7	64.61	
238.0	000.4700	0072.6	012.9	118.2	000.7863	0258.6	022.5	64.69	
239.0	000.4700	0072.5	012.8	117.9	000.7752	0258.4	022.3	64.77	
240.0	000.4700	0072.4	012.8	117.6	000.7634	0258.3	022.2	64.84	
241.0	000.4700	0072.2	012.8	117.2	000.7507	0258.1	022.0	64.90	
242.0	000.4700	0071.9	012.8	116.9	000.7378	0257.9	021.8	64.96	
243.0	000.4700	0071.6	012.8	116.5	000.7251	0257.7	021.6	65.00	
244.0	000.4700	0071.3	012.8	116.1	000.7119	0257.4	021.5	65.05	
245.0	000.4700	0071.0	012.7	115.6	000.6972	0257.2	021.3	65.07	
246.0	000.4700	0070.6	012.7	115.2	000.6821	0257.1	021.2	65.09	
247.0	000.4700	0070.3	012.7	114.7	000.6682	0257.0	021.0	65.12	
248.0	000.4700	0070.0	012.7	114.3	000.6555	0257.0	020.9	65.15	
249.0	000.4700	0069.9	012.6	113.8	000.6428	0257.0	020.7	65.19	
250.0	000.4700	0070.0	012.6	113.4	000.6295	0257.1	020.6	65.22	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
251.0	000.4700	0069.9	012.6	112.9	000.6158	0257.1	020.4	65.25
252.0	000.4700	0069.6	012.6	112.4	000.6021	0257.2	020.3	65.26
253.0	000.4700	0069.2	012.6	111.9	000.5874	0257.3	020.2	65.24
254.0	000.4700	0068.5	012.5	111.3	000.5719	0257.5	020.1	65.20
255.0	000.4700	0067.9	012.5	110.7	000.5566	0257.6	020.0	65.17
256.0	000.4700	0067.4	012.4	110.1	000.5418	0257.8	019.9	65.13
257.0	000.4700	0067.1	012.4	109.6	000.5274	0258.0	019.8	65.10
258.0	000.4700	0066.7	012.4	109.0	000.5128	0258.2	019.7	65.05
259.0	000.4700	0066.1	012.3	108.4	000.4991	0258.4	019.6	65.00
260.0	000.4700	0065.4	012.3	107.8	000.4851	0258.6	019.6	64.92
261.0	000.4700	0064.5	012.2	107.1	000.4709	0258.6	019.6	64.82
262.0	000.4700	0063.5	012.1	106.4	000.4565	0258.7	019.5	64.71
263.0	000.4700	0062.5	012.0	105.8	000.4426	0258.9	019.5	64.59
264.0	000.4700	0061.5	012.0	105.1	000.4287	0259.3	019.5	64.46
265.0	000.4700	0060.7	011.9	104.5	000.4166	0259.9	019.5	64.37
266.0	000.4700	0060.1	011.8	103.8	000.4053	0260.6	019.5	64.29
267.0	000.4700	0059.0	011.8	103.2	000.3934	0261.2	019.5	64.15
268.0	000.4700	0057.8	011.6	102.5	000.3817	0261.8	019.6	64.00
269.0	000.4700	0056.6	011.5	101.9	000.3703	0262.2	019.6	63.83
270.0	000.4700	0055.7	011.4	101.2	000.3595	0262.4	019.7	63.67
271.0	000.4700	0055.0	011.4	100.6	000.3486	0262.6	019.7	63.53
272.0	000.4700	0054.4	011.3	100.0	000.3375	0262.9	019.7	63.37
273.0	000.4700	0053.7	011.3	099.4	000.3307	0263.3	019.8	63.26
274.0	000.4700	0053.9	011.3	098.9	000.3246	0263.8	019.7	63.22
275.0	000.4700	0054.3	011.3	098.3	000.3185	0264.5	019.7	63.21
276.0	000.4700	0054.4	011.3	097.7	000.3124	0265.1	019.7	63.16
277.0	000.4700	0054.1	011.3	097.2	000.3063	0265.6	019.7	63.07
278.0	000.4700	0053.3	011.2	096.6	000.3004	0266.1	019.8	62.93
279.0	000.4700	0052.5	011.1	096.0	000.2946	0266.6	019.9	62.79
280.0	000.4700	0051.6	011.0	095.5	000.2899	0267.1	020.0	62.65
281.0	000.4700	0050.6	010.9	095.0	000.2855	0267.4	020.1	62.49
282.0	000.4700	0049.7	010.8	094.5	000.2805	0267.6	020.2	62.32
283.0	000.4700	0049.1	010.7	094.0	000.2754	0267.7	020.3	62.17
284.0	000.4700	0049.5	010.8	093.4	000.2700	0267.7	020.3	62.10
285.0	000.4700	0050.2	010.9	092.9	000.2645	0267.7	020.3	62.04
286.0	000.4700	0050.9	010.9	092.3	000.2589	0267.8	020.2	61.97
287.0	000.4700	0051.7	011.0	091.7	000.2533	0267.8	020.2	61.91
288.0	000.4700	0051.7	011.0	091.2	000.2483	0267.9	020.2	61.78
289.0	000.4700	0051.3	011.0	090.7	000.2437	0268.0	020.3	61.62
290.0	000.4700	0050.8	010.9	090.2	000.2394	0268.0	020.4	61.46
291.0	000.4700	0049.9	010.8	089.8	000.2364	0268.0	020.6	61.28
292.0	000.4700	0049.1	010.7	089.5	000.2346	0268.1	020.8	61.13
293.0	000.4700	0048.5	010.7	089.1	000.2328	0268.1	020.9	60.98
294.0	000.4700	0048.0	010.6	088.7	000.2305	0268.1	021.0	60.83
295.0	000.4700	0047.6	010.6	088.3	000.2280	0268.1	021.1	60.70
296.0	000.4700	0047.7	010.6	087.8	000.2256	0268.2	021.2	60.59
297.0	000.4700	0047.9	010.6	087.3	000.2235	0268.2	021.3	60.50
298.0	000.4700	0048.5	010.7	086.8	000.2209	0268.1	021.3	60.42
299.0	000.4700	0048.9	010.7	086.3	000.2179	0267.9	021.4	60.31
300.0	000.4700	0048.9	010.7	085.9	000.2156	0267.7	021.5	60.18
301.0	000.4700	0048.3	010.7	085.6	000.2143	0267.5	021.6	60.02

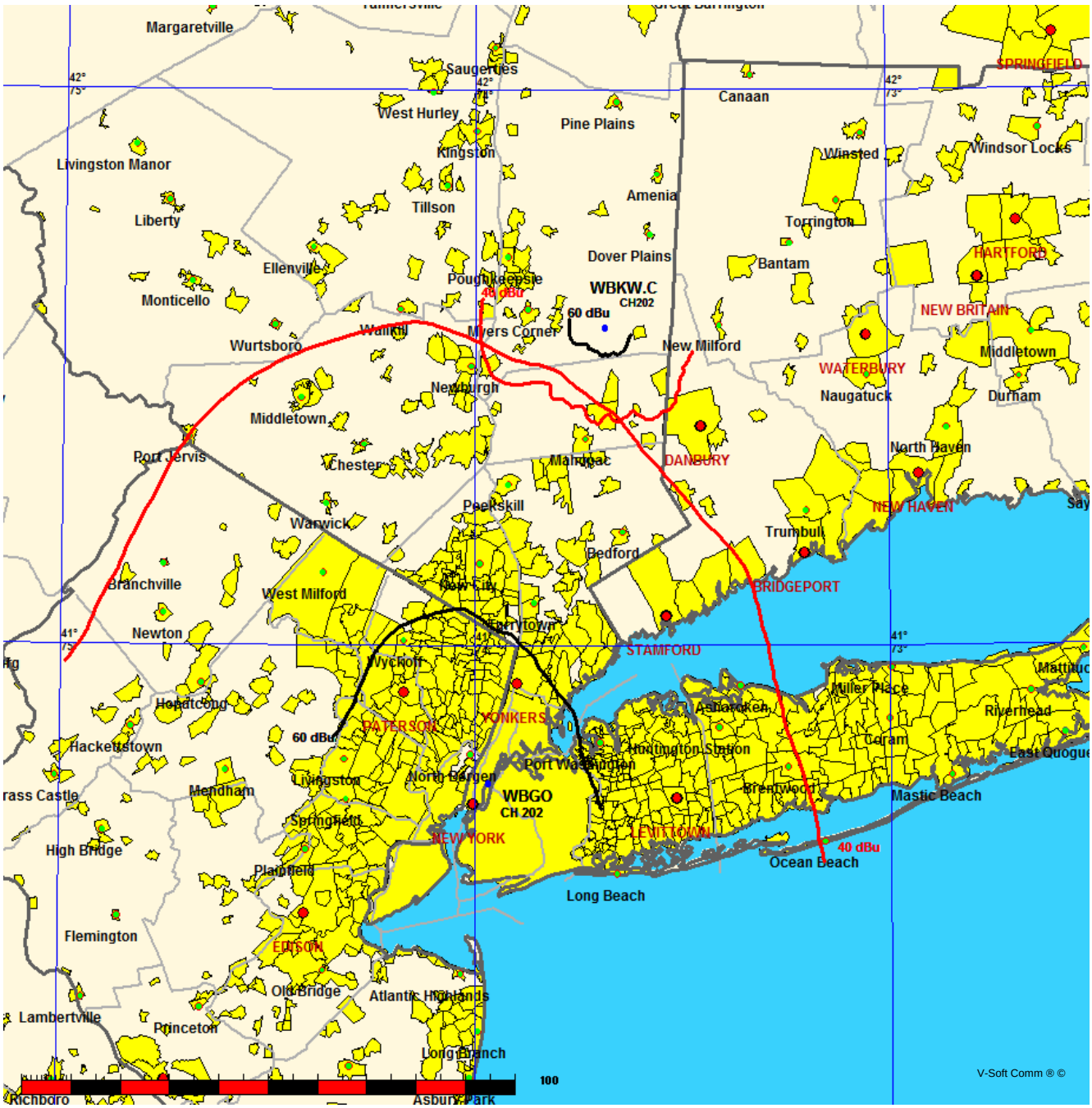
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
302.0	000.4700	0047.3	010.5	085.4	000.2133	0267.4	021.8	59.84
303.0	000.4700	0046.5	010.4	085.1	000.2123	0267.3	022.0	59.67
304.0	000.4700	0045.8	010.4	084.9	000.2113	0267.2	022.2	59.51
305.0	000.4700	0045.1	010.3	084.7	000.2103	0267.1	022.4	59.35
306.0	000.4700	0044.1	010.2	084.5	000.2097	0267.0	022.6	59.17
307.0	000.4700	0043.1	010.0	084.4	000.2092	0266.9	022.8	59.00
308.0	000.4700	0042.8	010.0	084.2	000.2081	0266.8	023.0	58.86
309.0	000.4700	0043.1	010.0	083.8	000.2062	0266.6	023.1	58.74
310.0	000.4700	0043.7	010.1	083.4	000.2036	0266.4	023.1	58.63
311.0	000.4700	0044.5	010.2	082.9	000.2011	0266.3	023.2	58.52
312.0	000.4700	0045.3	010.3	082.4	000.1991	0266.3	023.3	58.43
313.0	000.4700	0045.8	010.4	082.0	000.1974	0266.3	023.4	58.31
314.0	000.4700	0046.0	010.4	081.7	000.1956	0266.3	023.5	58.18
315.0	000.4700	0046.0	010.4	081.4	000.1941	0266.3	023.6	58.04
316.0	000.4700	0046.0	010.4	081.2	000.1927	0266.2	023.8	57.90
317.0	000.4700	0046.3	010.4	080.8	000.1912	0266.2	023.9	57.77
318.0	000.4700	0046.9	010.5	080.5	000.1896	0266.3	024.0	57.65
319.0	000.4700	0047.5	010.6	080.1	000.1880	0266.4	024.1	57.53
320.0	000.4700	0047.7	010.6	079.8	000.1874	0266.5	024.3	57.41
321.0	000.4700	0047.6	010.6	079.6	000.1872	0266.6	024.4	57.29
322.0	000.4700	0047.2	010.5	079.5	000.1870	0266.7	024.6	57.15
323.0	000.4700	0046.4	010.4	079.5	000.1870	0266.7	024.8	57.00
324.0	000.4700	0045.1	010.3	079.6	000.1872	0266.6	025.1	56.84
325.0	000.4700	0043.6	010.1	079.9	000.1875	0266.5	025.3	56.68
326.0	000.4700	0042.2	009.9	080.0	000.1879	0266.4	025.5	56.52
327.0	000.4700	0041.1	009.8	080.2	000.1884	0266.4	025.7	56.38
328.0	000.4700	0040.3	009.7	080.2	000.1886	0266.3	025.9	56.25
329.0	000.4700	0039.6	009.6	080.3	000.1888	0266.3	026.1	56.13
330.0	000.4700	0038.8	009.5	080.3	000.1890	0266.3	026.3	56.00
331.0	000.4700	0038.1	009.4	080.4	000.1893	0266.3	026.5	55.88
332.0	000.4700	0037.8	009.4	080.4	000.1892	0266.3	026.7	55.77
333.0	000.4700	0038.4	009.4	080.1	000.1880	0266.4	026.8	55.65
334.0	000.4700	0040.3	009.7	079.5	000.1870	0266.7	026.9	55.58
335.0	000.4700	0043.0	010.0	078.7	000.1863	0267.2	027.0	55.52
336.0	000.4700	0045.8	010.4	077.9	000.1862	0267.7	027.1	55.47
337.0	000.4700	0048.5	010.7	077.2	000.1852	0268.3	027.2	55.39

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 46.31 km, Out= 7.4 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WBKW-C CH 202 A BPED19980421MA
Lat= 41 34 22.0, Lng= 73 41 01.0
0.003 kW 207 M HAAT, 405 M COR
Prot.= 60 dBu, Intef.= 40 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WBKW-C BPED19980421MA
Channel = 202A
Max ERP = 0.003 kW
RCAMSL = 405 M
N. Lat. 41 34 22.0
W. Lng. 73 41 01.0
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
315.0	001.8857	0262.7	034.0	215.6	000.0030	0153.9	082.4	10.65	
316.0	001.9413	0262.6	034.2	215.7	000.0030	0154.1	081.8	10.84	
317.0	001.9976	0262.3	034.4	215.7	000.0030	0154.2	081.1	11.04	
318.0	002.0548	0262.1	034.6	215.8	000.0030	0154.3	080.5	11.24	
319.0	002.1128	0262.0	034.8	215.8	000.0030	0154.4	079.9	11.44	
320.0	002.1716	0261.9	035.0	215.9	000.0030	0154.5	079.2	11.64	
321.0	002.2043	0261.6	035.1	215.8	000.0030	0154.4	078.6	11.83	
322.0	002.2373	0261.3	035.2	215.8	000.0030	0154.3	078.0	12.02	
323.0	002.2658	0261.4	035.3	215.7	000.0030	0154.2	077.4	12.20	
324.0	002.2992	0261.8	035.5	215.7	000.0030	0154.1	076.7	12.40	
325.0	002.3329	0262.2	035.6	215.6	000.0030	0153.9	076.1	12.59	
326.0	002.3668	0262.2	035.7	215.5	000.0030	0153.8	075.5	12.78	
327.0	002.4010	0261.9	035.8	215.4	000.0030	0153.6	074.9	12.96	
328.0	002.4305	0261.3	035.9	215.3	000.0030	0153.3	074.3	13.14	
329.0	002.4651	0260.6	035.9	215.1	000.0030	0152.9	073.7	13.31	
330.0	002.5000	0260.1	036.0	215.0	000.0030	0152.5	073.1	13.49	
331.0	002.5000	0259.8	036.0	214.7	000.0030	0152.0	072.5	13.64	
332.0	002.5000	0259.7	036.0	214.5	000.0030	0151.5	071.9	13.79	
333.0	002.5000	0259.6	036.0	214.3	000.0030	0150.9	071.4	13.94	
334.0	002.5000	0259.4	036.0	214.0	000.0030	0150.3	070.9	14.08	
335.0	002.5000	0259.0	036.0	213.7	000.0030	0149.6	070.3	14.22	
336.0	002.5000	0258.4	035.9	213.4	000.0030	0148.9	069.8	14.35	
337.0	002.5000	0257.5	035.9	213.1	000.0030	0148.2	069.3	14.47	
338.0	002.5000	0256.6	035.8	212.8	000.0030	0147.3	068.8	14.58	
339.0	002.5000	0255.7	035.8	212.4	000.0030	0146.4	068.4	14.69	
340.0	002.5000	0255.1	035.7	212.1	000.0030	0145.6	067.9	14.80	
341.0	002.5000	0254.8	035.7	211.7	000.0030	0144.6	067.4	14.90	
342.0	002.5000	0254.5	035.7	211.4	000.0030	0143.7	067.0	15.00	
343.0	002.5000	0253.9	035.6	211.0	000.0030	0142.9	066.5	15.10	
344.0	002.5000	0252.9	035.6	210.6	000.0030	0142.3	066.1	15.21	
345.0	002.5000	0252.2	035.5	210.2	000.0030	0141.9	065.7	15.32	
346.0	002.5000	0252.0	035.5	209.8	000.0030	0141.9	065.3	15.46	
347.0	002.5000	0251.9	035.5	209.4	000.0030	0142.1	064.9	15.61	
348.0	002.5000	0251.9	035.5	209.0	000.0030	0142.4	064.4	15.76	
349.0	002.5000	0251.9	035.5	208.5	000.0030	0142.7	064.0	15.91	
350.0	002.5000	0251.2	035.5	208.1	000.0030	0143.1	063.7	16.04	
351.0	002.5000	0250.4	035.4	207.6	000.0030	0143.4	063.4	16.17	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
352.0	002.4419	0249.7	035.2	207.0	000.0030	0143.6	063.2	16.25
353.0	002.3320	0249.3	034.8	206.4	000.0030	0144.1	063.2	16.28
354.0	002.2271	0248.9	034.4	205.7	000.0030	0144.7	063.2	16.31
355.0	002.1268	0248.2	034.0	205.1	000.0030	0145.5	063.2	16.34
356.0	002.0311	0246.5	033.6	204.4	000.0030	0147.0	063.3	16.38
357.0	001.9397	0245.5	033.2	203.8	000.0030	0148.8	063.4	16.44
358.0	001.8524	0245.1	032.8	203.2	000.0030	0149.9	063.5	16.47
359.0	001.7690	0243.4	032.3	202.5	000.0030	0149.5	063.7	16.38
000.0	001.6894	0241.7	031.8	201.9	000.0030	0148.1	063.9	16.23
001.0	001.6134	0240.3	031.4	201.3	000.0030	0146.2	064.1	16.06
002.0	001.5408	0239.3	031.0	200.7	000.0030	0144.6	064.3	15.91
003.0	001.4714	0238.7	030.6	200.1	000.0030	0143.5	064.5	15.79
004.0	001.4052	0242.1	030.5	199.7	000.0030	0143.1	064.5	15.77
005.0	001.3419	0245.5	030.4	199.2	000.0030	0142.6	064.5	15.75
006.0	001.2815	0249.4	030.3	198.7	000.0030	0142.1	064.5	15.73
007.0	001.2239	0256.1	030.3	198.2	000.0030	0141.5	064.3	15.75
008.0	001.1688	0261.1	030.3	197.8	000.0030	0141.0	064.3	15.74
009.0	001.1162	0265.1	030.2	197.3	000.0030	0140.4	064.3	15.70
010.0	001.0659	0265.4	029.8	196.8	000.0030	0139.5	064.5	15.57
011.0	001.0180	0264.0	029.5	196.3	000.0030	0138.7	064.9	15.42
012.0	000.9722	0261.7	029.0	195.8	000.0030	0138.2	065.3	15.26
013.0	000.9284	0260.6	028.7	195.4	000.0030	0138.5	065.6	15.17
014.0	000.8866	0260.2	028.3	194.9	000.0030	0139.8	065.9	15.14
015.0	000.8467	0260.3	028.0	194.5	000.0030	0141.9	066.2	15.15
016.0	000.8086	0261.7	027.8	194.1	000.0030	0144.7	066.5	15.22
017.0	000.7722	0264.1	027.6	193.7	000.0030	0148.0	066.7	15.33
018.0	000.7375	0266.9	027.5	193.3	000.0030	0151.1	066.8	15.43
019.0	000.7043	0268.6	027.3	192.9	000.0030	0153.7	067.1	15.47
020.0	000.6726	0268.6	027.0	192.5	000.0030	0155.8	067.4	15.47
021.0	000.6423	0267.2	026.6	192.2	000.0030	0157.7	067.9	15.43
022.0	000.6134	0264.5	026.2	191.8	000.0030	0159.2	068.3	15.35
023.0	000.5858	0261.9	025.8	191.5	000.0030	0160.6	068.8	15.26
024.0	000.5594	0260.2	025.5	191.2	000.0030	0162.0	069.2	15.18
025.0	000.5342	0259.9	025.2	190.9	000.0030	0163.4	069.6	15.13
026.0	000.5102	0260.7	025.0	190.6	000.0030	0165.0	070.0	15.09
027.0	000.4872	0262.1	024.8	190.3	000.0030	0166.6	070.3	15.07
028.0	000.4653	0263.8	024.6	190.0	000.0030	0168.1	070.6	15.03
029.0	000.4444	0264.9	024.3	189.8	000.0030	0169.2	070.9	14.97
030.0	000.4244	0265.0	024.1	189.5	000.0030	0170.1	071.3	14.89
031.0	000.4127	0264.7	023.9	189.3	000.0030	0171.0	071.6	14.82
032.0	000.4012	0264.8	023.8	189.0	000.0030	0171.8	071.9	14.76
033.0	000.3899	0265.4	023.6	188.7	000.0030	0172.4	072.2	14.69
034.0	000.3787	0266.3	023.5	188.5	000.0030	0173.0	072.5	14.62
035.0	000.3677	0267.3	023.4	188.2	000.0030	0173.4	072.8	14.55
036.0	000.3568	0268.2	023.3	188.0	000.0030	0173.6	073.1	14.46
037.0	000.3461	0269.0	023.1	187.8	000.0030	0173.8	073.4	14.36
038.0	000.3356	0269.8	023.0	187.5	000.0030	0173.8	073.7	14.26
039.0	000.3253	0270.7	022.9	187.3	000.0030	0173.9	074.0	14.16
040.0	000.3151	0271.6	022.7	187.1	000.0030	0173.9	074.4	14.06
041.0	000.3133	0272.5	022.7	186.9	000.0030	0174.0	074.6	13.99
042.0	000.3115	0273.2	022.7	186.6	000.0030	0174.2	074.8	13.92

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
043.0	000.3098	0273.7	022.7	186.4	000.0030	0174.3	075.1	13.85
044.0	000.3080	0274.0	022.7	186.2	000.0030	0174.5	075.3	13.78
045.0	000.3062	0274.3	022.7	185.9	000.0030	0174.8	075.6	13.70
046.0	000.3028	0274.4	022.6	185.7	000.0030	0175.1	075.9	13.62
047.0	000.3010	0274.5	022.6	185.5	000.0030	0175.4	076.2	13.54
048.0	000.2993	0274.5	022.6	185.3	000.0030	0175.9	076.4	13.47
049.0	000.2976	0274.5	022.5	185.1	000.0030	0176.4	076.7	13.40
050.0	000.2958	0274.8	022.5	184.9	000.0030	0176.9	077.0	13.33
051.0	000.2873	0275.2	022.4	184.8	000.0030	0177.3	077.4	13.22
052.0	000.2789	0275.6	022.2	184.7	000.0030	0177.6	077.8	13.11
053.0	000.2706	0275.9	022.1	184.6	000.0030	0177.9	078.2	13.00
054.0	000.2624	0276.0	021.9	184.5	000.0030	0178.1	078.6	12.88
055.0	000.2544	0276.0	021.8	184.4	000.0030	0178.3	079.0	12.76
056.0	000.2465	0275.9	021.6	184.3	000.0030	0178.4	079.4	12.64
057.0	000.2387	0276.0	021.4	184.2	000.0030	0178.6	079.8	12.52
058.0	000.2310	0276.1	021.3	184.2	000.0030	0178.7	080.2	12.40
059.0	000.2235	0276.2	021.1	184.1	000.0030	0178.8	080.6	12.27
060.0	000.2161	0276.2	020.9	184.1	000.0030	0178.8	081.0	12.15
061.0	000.2117	0276.2	020.8	184.0	000.0030	0178.9	081.3	12.04
062.0	000.2088	0276.3	020.8	183.9	000.0030	0179.0	081.7	11.93
063.0	000.2045	0276.3	020.7	183.8	000.0030	0179.0	082.0	11.82
064.0	000.2016	0276.2	020.6	183.7	000.0030	0179.0	082.4	11.71
065.0	000.1974	0276.1	020.5	183.7	000.0030	0179.0	082.7	11.59
066.0	000.1932	0275.9	020.4	183.6	000.0030	0179.0	083.1	11.48
067.0	000.1904	0275.6	020.3	183.6	000.0030	0179.0	083.5	11.37
068.0	000.1863	0275.4	020.2	183.5	000.0030	0178.9	083.8	11.25
069.0	000.1836	0274.9	020.1	183.5	000.0030	0178.9	084.2	11.14
070.0	000.1796	0274.3	019.9	183.5	000.0030	0178.9	084.6	11.02
071.0	000.1809	0273.5	019.9	183.4	000.0030	0178.7	084.9	10.91
072.0	000.1809	0272.8	019.9	183.3	000.0030	0178.6	085.2	10.81
073.0	000.1823	0272.1	019.9	183.2	000.0030	0178.4	085.5	10.70
074.0	000.1823	0271.2	019.9	183.2	000.0030	0178.2	085.9	10.58
075.0	000.1836	0270.2	019.9	183.1	000.0030	0177.9	086.2	10.47

01-30-2009 FCC NGDC 30 Sec Terrain Data

WBKW-C BPED19980421MA
Channel = 202A
Max ERP = 0.003 kW
RCAMSL = 405 M
N. Lat. 41 34 22.0
W. Lng. 73 41 01.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
135.0	000.0030	0198.5	005.9	017.7	000.7476	0266.1	091.4	35.94	
136.0	000.0030	0202.1	006.0	017.7	000.7478	0266.1	091.3	35.97	
137.0	000.0030	0205.2	006.0	017.7	000.7481	0266.1	091.2	36.01	
138.0	000.0030	0207.9	006.0	017.7	000.7485	0266.1	091.1	36.05	
139.0	000.0030	0210.0	006.1	017.7	000.7491	0266.0	091.0	36.08	
140.0	000.0030	0211.2	006.1	017.6	000.7500	0265.9	090.9	36.12	
141.0	000.0030	0211.5	006.1	017.6	000.7512	0265.9	090.8	36.15	
142.0	000.0030	0210.2	006.1	017.6	000.7528	0265.7	090.7	36.18	
143.0	000.0030	0206.3	006.0	017.5	000.7551	0265.5	090.7	36.20	
144.0	000.0030	0201.4	006.0	017.4	000.7575	0265.3	090.6	36.23	
145.0	000.0030	0198.9	005.9	017.4	000.7595	0265.2	090.5	36.25	
146.0	000.0030	0200.2	005.9	017.3	000.7606	0265.1	090.5	36.28	
147.0	000.0030	0203.2	006.0	017.3	000.7613	0265.0	090.3	36.32	
148.0	000.0030	0205.5	006.0	017.3	000.7623	0264.9	090.2	36.35	
149.0	000.0030	0205.8	006.0	017.2	000.7637	0264.8	090.2	36.38	
150.0	000.0030	0205.8	006.0	017.2	000.7653	0264.6	090.1	36.41	
151.0	000.0030	0205.5	006.0	017.2	000.7669	0264.5	090.0	36.44	
152.0	000.0030	0204.5	006.0	017.1	000.7687	0264.3	089.9	36.47	
153.0	000.0030	0202.3	006.0	017.0	000.7709	0264.2	089.9	36.49	
154.0	000.0030	0199.2	005.9	017.0	000.7732	0264.0	089.9	36.51	
155.0	000.0030	0194.8	005.9	016.9	000.7758	0263.8	089.8	36.53	
156.0	000.0030	0189.4	005.8	016.8	000.7785	0263.5	089.8	36.54	
157.0	000.0030	0183.5	005.7	016.7	000.7814	0263.3	089.8	36.55	
158.0	000.0030	0176.8	005.6	016.7	000.7844	0263.1	089.8	36.56	
159.0	000.0030	0168.9	005.5	016.6	000.7879	0262.9	089.8	36.56	
160.0	000.0030	0160.5	005.4	016.5	000.7915	0262.6	089.9	36.56	
161.0	000.0030	0155.4	005.3	016.4	000.7944	0262.4	089.9	36.56	
162.0	000.0030	0154.9	005.3	016.3	000.7963	0262.3	089.9	36.58	
163.0	000.0030	0157.3	005.3	016.3	000.7975	0262.3	089.8	36.62	
164.0	000.0030	0159.9	005.4	016.3	000.7988	0262.2	089.7	36.65	
165.0	000.0030	0162.6	005.4	016.2	000.8001	0262.1	089.6	36.68	
166.0	000.0030	0164.8	005.5	016.2	000.8016	0262.1	089.5	36.71	
167.0	000.0030	0166.7	005.5	016.1	000.8031	0262.0	089.4	36.74	
168.0	000.0030	0169.2	005.5	016.1	000.8046	0261.9	089.4	36.77	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
169.0	000.0030	0171.9	005.6	016.1	000.8062	0261.8	089.3	36.80
170.0	000.0030	0174.4	005.6	016.0	000.8078	0261.7	089.2	36.83
171.0	000.0030	0175.3	005.6	016.0	000.8098	0261.6	089.2	36.86
172.0	000.0030	0174.4	005.6	015.9	000.8121	0261.5	089.1	36.88
173.0	000.0030	0173.8	005.6	015.8	000.8143	0261.4	089.1	36.90
174.0	000.0030	0170.5	005.5	015.8	000.8169	0261.3	089.1	36.90
175.0	000.0030	0164.9	005.5	015.7	000.8199	0261.2	089.2	36.90
176.0	000.0030	0157.9	005.3	015.6	000.8230	0261.1	089.2	36.89
177.0	000.0030	0153.4	005.3	015.5	000.8257	0261.0	089.3	36.89
178.0	000.0030	0153.4	005.3	015.5	000.8278	0260.9	089.2	36.91
179.0	000.0030	0153.9	005.3	015.4	000.8299	0260.8	089.2	36.93
180.0	000.0030	0155.6	005.3	015.4	000.8319	0260.8	089.2	36.95
181.0	000.0030	0163.0	005.4	015.3	000.8333	0260.7	089.0	37.00
182.0	000.0030	0170.4	005.5	015.3	000.8349	0260.7	088.9	37.05
183.0	000.0030	0177.5	005.7	015.3	000.8366	0260.6	088.7	37.10
184.0	000.0030	0178.9	005.7	015.2	000.8389	0260.6	088.7	37.12
185.0	000.0030	0176.7	005.6	015.1	000.8414	0260.5	088.7	37.13
186.0	000.0030	0174.7	005.6	015.1	000.8439	0260.4	088.7	37.13
187.0	000.0030	0174.0	005.6	015.0	000.8464	0260.4	088.7	37.15
188.0	000.0030	0173.6	005.6	014.9	000.8488	0260.3	088.7	37.16
189.0	000.0030	0171.8	005.6	014.9	000.8513	0260.3	088.7	37.17
190.0	000.0030	0168.3	005.5	014.8	000.8539	0260.2	088.8	37.16
191.0	000.0030	0163.1	005.4	014.8	000.8565	0260.2	088.9	37.15
192.0	000.0030	0158.5	005.4	014.7	000.8590	0260.1	088.9	37.14
193.0	000.0030	0152.9	005.3	014.6	000.8615	0260.1	089.0	37.12
194.0	000.0030	0145.3	005.1	014.6	000.8638	0260.1	089.2	37.09
195.0	000.0030	0139.5	005.0	014.5	000.8661	0260.1	089.3	37.07
196.0	000.0030	0138.3	005.0	014.5	000.8683	0260.1	089.3	37.07
197.0	000.0030	0139.9	005.0	014.4	000.8706	0260.1	089.3	37.09
198.0	000.0030	0141.3	005.0	014.3	000.8728	0260.1	089.2	37.11
199.0	000.0030	0142.4	005.1	014.3	000.8751	0260.1	089.2	37.13
200.0	000.0030	0143.4	005.1	014.2	000.8774	0260.1	089.2	37.14
201.0	000.0030	0145.4	005.1	014.2	000.8798	0260.1	089.2	37.16
202.0	000.0030	0148.4	005.2	014.1	000.8823	0260.2	089.1	37.19
203.0	000.0030	0150.0	005.2	014.0	000.8846	0260.2	089.1	37.21
204.0	000.0030	0148.2	005.2	014.0	000.8868	0260.2	089.2	37.20
205.0	000.0030	0145.6	005.1	013.9	000.8889	0260.2	089.2	37.19
206.0	000.0030	0144.4	005.1	013.9	000.8911	0260.2	089.3	37.19
207.0	000.0030	0143.7	005.1	013.8	000.8933	0260.2	089.3	37.19
208.0	000.0030	0143.1	005.1	013.8	000.8956	0260.3	089.3	37.19
209.0	000.0030	0142.4	005.1	013.7	000.8977	0260.3	089.4	37.19
210.0	000.0030	0141.9	005.1	013.7	000.8999	0260.3	089.4	37.20
211.0	000.0030	0142.9	005.1	013.6	000.9023	0260.3	089.4	37.21
212.0	000.0030	0145.4	005.1	013.6	000.9049	0260.3	089.4	37.22
213.0	000.0030	0148.0	005.2	013.5	000.9076	0260.4	089.4	37.24
214.0	000.0030	0150.3	005.2	013.4	000.9102	0260.4	089.4	37.26
215.0	000.0030	0152.6	005.3	013.4	000.9129	0260.4	089.4	37.27
216.0	000.0030	0154.8	005.3	013.3	000.9156	0260.4	089.4	37.29
217.0	000.0030	0156.1	005.3	013.2	000.9181	0260.4	089.4	37.29
218.0	000.0030	0155.6	005.3	013.2	000.9202	0260.5	089.4	37.29
219.0	000.0030	0153.3	005.3	013.2	000.9220	0260.5	089.5	37.28

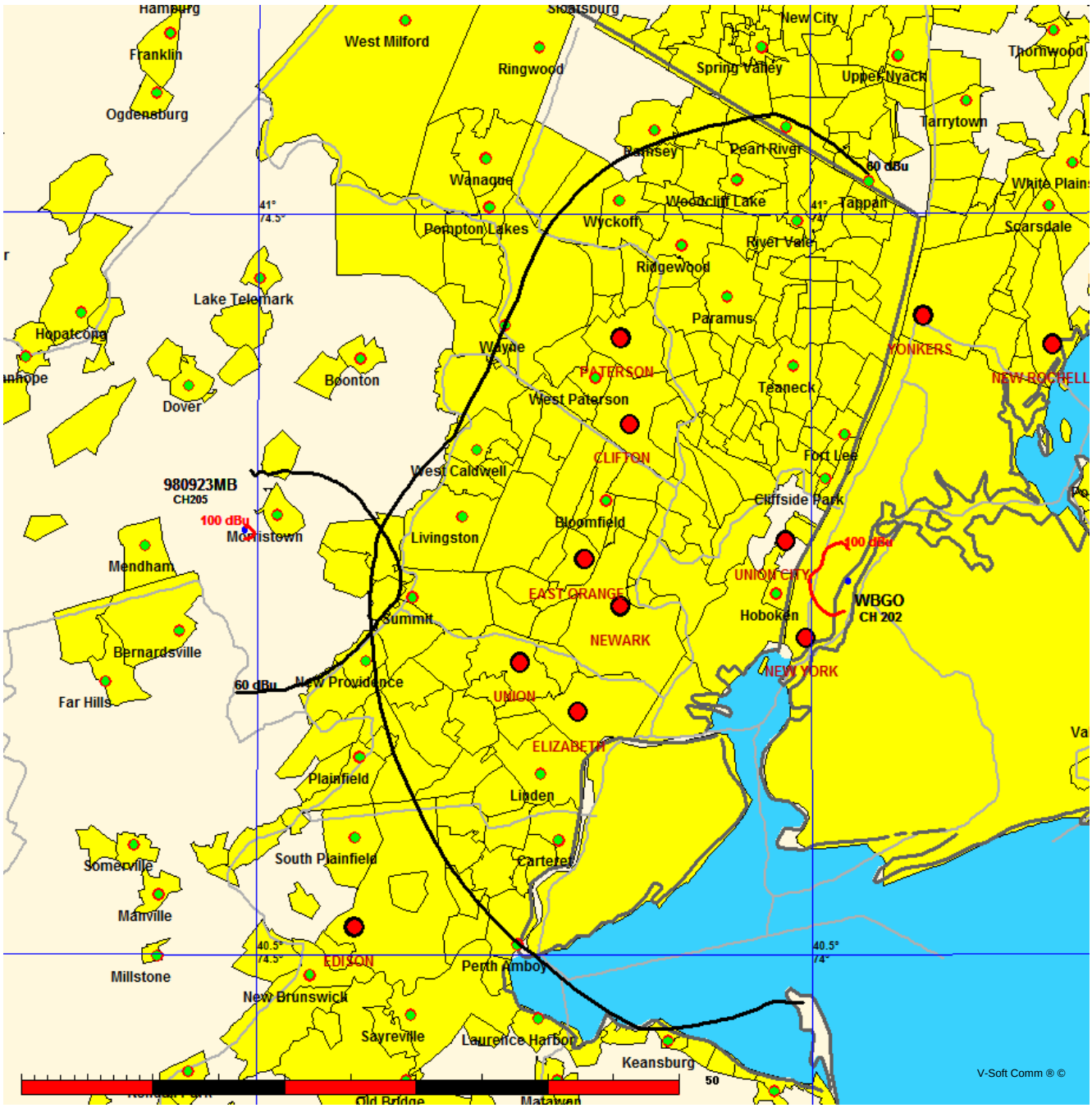
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
220.0	000.0030	0150.0	005.2	013.1	000.9235	0260.5	089.6	37.25
221.0	000.0030	0145.9	005.1	013.1	000.9248	0260.5	089.7	37.23
222.0	000.0030	0140.9	005.0	013.1	000.9257	0260.5	089.8	37.19
223.0	000.0030	0136.2	005.0	013.0	000.9266	0260.6	089.9	37.16
224.0	000.0030	0133.2	004.9	013.0	000.9279	0260.6	090.0	37.14
225.0	000.0030	0132.9	004.9	013.0	000.9298	0260.6	090.1	37.13
226.0	000.0030	0134.9	004.9	012.9	000.9323	0260.6	090.1	37.14
227.0	000.0030	0137.8	005.0	012.8	000.9350	0260.7	090.1	37.15
228.0	000.0030	0141.0	005.0	012.8	000.9380	0260.7	090.1	37.17
229.0	000.0030	0143.3	005.1	012.7	000.9406	0260.8	090.1	37.17
230.0	000.0030	0145.5	005.1	012.7	000.9432	0260.8	090.1	37.18
231.0	000.0030	0149.7	005.2	012.6	000.9465	0260.9	090.1	37.20
232.0	000.0030	0156.3	005.3	012.5	000.9504	0261.0	090.1	37.23
233.0	000.0030	0165.0	005.5	012.4	000.9550	0261.1	090.1	37.27
234.0	000.0030	0174.5	005.6	012.3	000.9597	0261.3	090.0	37.31
235.0	000.0030	0185.3	005.8	012.2	000.9644	0261.4	090.0	37.35
236.0	000.0030	0196.6	005.9	012.1	000.9692	0261.6	089.9	37.39
237.0	000.0030	0208.0	006.0	012.0	000.9743	0261.8	089.9	37.43
238.0	000.0030	0219.1	006.2	011.8	000.9795	0262.0	089.9	37.47
239.0	000.0030	0229.2	006.3	011.7	000.9845	0262.3	089.9	37.50
240.0	000.0030	0238.8	006.5	011.6	000.9892	0262.5	089.9	37.53
241.0	000.0030	0249.7	006.6	011.5	000.9943	0262.7	089.9	37.56
242.0	000.0030	0260.4	006.7	011.4	000.9994	0263.0	089.9	37.59
243.0	000.0030	0270.5	006.8	011.3	001.0044	0263.3	089.9	37.62
244.0	000.0030	0278.4	006.9	011.2	001.0088	0263.5	089.9	37.63
245.0	000.0030	0284.6	007.0	011.1	001.0126	0263.7	090.0	37.64
246.0	000.0030	0289.3	007.1	011.0	001.0160	0263.9	090.0	37.64
247.0	000.0030	0292.7	007.1	011.0	001.0189	0264.1	090.1	37.63
248.0	000.0030	0295.4	007.1	010.9	001.0217	0264.2	090.2	37.62
249.0	000.0030	0297.7	007.2	010.9	001.0244	0264.4	090.3	37.60
250.0	000.0030	0299.6	007.2	010.8	001.0268	0264.5	090.4	37.59
251.0	000.0030	0299.7	007.2	010.8	001.0287	0264.6	090.5	37.56
252.0	000.0030	0298.4	007.2	010.7	001.0303	0264.7	090.6	37.54
253.0	000.0030	0297.0	007.2	010.7	001.0317	0264.7	090.7	37.51
254.0	000.0030	0296.8	007.1	010.7	001.0333	0264.8	090.8	37.48
255.0	000.0030	0299.7	007.2	010.6	001.0358	0264.9	090.9	37.46

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 9.17 km, Out= 32.02 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 100 dBu

980923MB CH 205 A DA BPED19980923MB
Lat= 40 47 09.0, Lng= 74 30 37.0
0.125 kW 83 M HAAT, 226 M COR
Prot.= 60 dBu, Intef.= 100 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

980923MB BPED19980923MB
Channel = 205A
Max ERP = 0.125 kW
RCAMSL = 226 M
N. Lat. 40 47 09.0
W. Lng. 74 30 37.0
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
215.0	002.5000	0276.2	037.0	144.1	000.1250	0133.5	042.0	40.08	
216.0	002.5000	0275.4	036.9	144.3	000.1250	0133.3	041.4	40.33	
217.0	002.5000	0274.5	036.9	144.5	000.1250	0133.1	040.8	40.60	
218.0	002.5000	0273.9	036.8	144.7	000.1250	0132.8	040.1	40.87	
219.0	002.5000	0273.7	036.8	145.0	000.1250	0132.6	039.5	41.13	
220.0	002.5000	0274.0	036.9	145.2	000.1250	0132.4	038.9	41.40	
221.0	002.5000	0274.7	036.9	145.5	000.1250	0132.2	038.3	41.67	
222.0	002.5000	0275.6	036.9	145.9	000.1250	0132.1	037.7	41.95	
223.0	002.5000	0276.4	037.0	146.2	000.1250	0132.0	037.1	42.23	
224.0	002.5000	0276.8	037.0	146.4	000.1250	0131.9	036.5	42.53	
225.0	002.5000	0277.0	037.0	146.7	000.1250	0132.0	035.8	42.83	
226.0	002.5000	0277.1	037.0	146.9	000.1250	0132.0	035.2	43.13	
227.0	002.5000	0277.2	037.0	147.1	000.1250	0132.0	034.6	43.44	
228.0	002.5000	0277.3	037.0	147.3	000.1250	0132.0	033.9	43.75	
229.0	002.5000	0277.4	037.1	147.5	000.1250	0132.0	033.3	44.07	
230.0	002.5000	0277.5	037.1	147.6	000.1250	0132.0	032.6	44.39	
231.0	002.5000	0277.6	037.1	147.8	000.1250	0132.0	032.0	44.71	
232.0	002.5000	0277.7	037.1	147.9	000.1250	0132.1	031.4	45.05	
233.0	002.5000	0277.7	037.1	148.0	000.1250	0132.1	030.7	45.40	
234.0	002.5000	0277.7	037.1	148.1	000.1250	0132.1	030.1	45.76	
235.0	002.5000	0277.5	037.1	148.2	000.1250	0132.1	029.4	46.14	
236.0	002.5000	0277.2	037.0	148.2	000.1250	0132.2	028.8	46.53	
237.0	002.5000	0276.7	037.0	148.2	000.1250	0132.2	028.1	46.93	
238.0	002.5000	0276.1	037.0	148.2	000.1250	0132.1	027.5	47.34	
239.0	002.5000	0275.5	036.9	148.1	000.1250	0132.1	026.8	47.76	
240.0	002.5000	0275.0	036.9	148.0	000.1250	0132.1	026.2	48.18	
241.0	002.5000	0274.5	036.9	147.9	000.1250	0132.0	025.5	48.62	
242.0	002.5000	0274.2	036.9	147.7	000.1250	0132.0	024.9	49.07	
243.0	002.5000	0273.9	036.8	147.6	000.1250	0132.0	024.3	49.52	
244.0	002.5000	0273.8	036.8	147.4	000.1250	0132.0	023.6	49.99	
245.0	002.5000	0273.7	036.8	147.2	000.1250	0132.0	023.0	50.46	
246.0	002.5000	0273.8	036.8	147.0	000.1250	0132.0	022.3	50.94	
247.0	002.5000	0273.8	036.8	146.7	000.1250	0132.0	021.7	51.42	
248.0	002.5000	0273.9	036.8	146.4	000.1250	0131.9	021.1	51.91	
249.0	002.5000	0273.8	036.8	146.0	000.1250	0132.0	020.4	52.41	
250.0	002.5000	0273.6	036.8	145.5	000.1250	0132.2	019.8	52.91	
251.0	002.5000	0273.3	036.8	145.0	000.1250	0132.6	019.2	53.43	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
252.0	002.5000	0272.9	036.8	144.4	000.1250	0133.2	018.6	53.96
253.0	002.5000	0272.6	036.8	143.7	000.1250	0133.8	018.0	54.50
254.0	002.5000	0272.2	036.7	142.9	000.1250	0133.9	017.4	55.00
255.0	002.5000	0272.0	036.7	142.0	000.1250	0133.0	016.8	55.42
256.0	002.5000	0271.6	036.7	141.1	000.1250	0131.4	016.2	55.79
257.0	002.5000	0271.1	036.7	140.0	000.1250	0130.2	015.7	56.19
258.0	002.5000	0270.4	036.6	138.7	000.1250	0131.0	015.1	56.70
259.0	002.5000	0269.3	036.6	137.3	000.1250	0132.6	014.6	57.22
260.0	002.5000	0268.1	036.5	135.6	000.1250	0132.0	014.1	57.76
261.0	002.5000	0267.1	036.4	133.9	000.1250	0131.2	013.6	58.31
262.0	002.5000	0266.5	036.4	132.1	000.1250	0132.2	013.1	58.99
263.0	002.5000	0266.2	036.4	130.2	000.1250	0130.8	012.7	59.55
264.0	002.5000	0266.1	036.4	128.1	000.1250	0130.6	012.2	60.18
265.0	002.5000	0265.8	036.4	125.8	000.1250	0128.8	011.8	60.68
266.0	002.5000	0265.6	036.4	123.3	000.1250	0129.9	011.4	61.36
267.0	002.5000	0265.1	036.3	120.6	000.1250	0130.9	011.1	62.00
268.0	002.5000	0264.5	036.3	117.7	000.1250	0134.6	010.8	62.76
269.0	002.5000	0263.9	036.3	114.6	000.1232	0140.0	010.5	63.50
270.0	002.5000	0262.6	036.2	111.2	000.1088	0146.3	010.3	63.70
271.0	002.5000	0261.3	036.1	107.7	000.0947	0149.7	010.2	63.55
272.0	002.5000	0260.0	036.0	104.2	000.0814	0153.6	010.1	63.28
273.0	002.5000	0258.9	036.0	100.6	000.0689	0154.5	010.0	62.70
274.0	002.5000	0258.5	035.9	097.0	000.0593	0153.2	010.0	62.04
275.0	002.5000	0258.5	035.9	093.4	000.0507	0152.3	010.0	61.31
276.0	002.4305	0258.4	035.7	090.0	000.0432	0151.4	010.3	60.10
277.0	002.3571	0258.3	035.5	086.8	000.0379	0150.4	010.6	58.91
278.0	002.2896	0258.1	035.2	083.8	000.0334	0149.3	010.9	57.68
279.0	002.2184	0257.8	035.0	081.2	000.0296	0150.5	011.4	56.55
280.0	002.1530	0257.4	034.7	078.7	000.0266	0152.7	011.8	55.55
281.0	002.0771	0257.3	034.4	076.6	000.0244	0154.6	012.3	54.55
282.0	002.0026	0257.2	034.1	074.7	000.0225	0155.0	012.8	53.48
283.0	001.9294	0257.0	033.8	073.1	000.0209	0155.2	013.4	52.43
284.0	001.8576	0256.8	033.5	071.6	000.0195	0155.4	013.9	51.43
285.0	001.7872	0256.7	033.2	070.3	000.0183	0155.6	014.5	50.48
286.0	001.7181	0256.8	032.9	069.2	000.0175	0155.6	015.1	49.79
287.0	001.6504	0257.3	032.6	068.1	000.0168	0155.4	015.7	49.10
288.0	001.5840	0257.9	032.3	067.2	000.0161	0155.1	016.2	48.43
289.0	001.5191	0258.6	032.1	066.4	000.0156	0154.6	016.8	47.77
290.0	001.4554	0259.3	031.8	065.7	000.0151	0154.1	017.4	47.12
291.0	001.4474	0259.8	031.8	064.5	000.0143	0153.5	017.8	46.52
292.0	001.4394	0260.2	031.7	063.3	000.0136	0153.1	018.2	45.93
293.0	001.4315	0260.7	031.7	062.2	000.0129	0152.9	018.7	45.35
294.0	001.4236	0261.1	031.7	061.2	000.0123	0152.8	019.1	44.77
295.0	001.4156	0261.3	031.7	060.3	000.0118	0152.6	019.6	44.20
296.0	001.4078	0261.4	031.6	059.5	000.0114	0152.3	020.0	43.65
297.0	001.3999	0261.6	031.6	058.7	000.0110	0152.0	020.5	43.12
298.0	001.3920	0261.8	031.6	058.0	000.0107	0151.7	021.0	42.59
299.0	001.3842	0262.1	031.6	057.3	000.0104	0151.4	021.5	42.07
300.0	001.3764	0262.3	031.5	056.7	000.0102	0151.1	022.0	41.56
301.0	001.3999	0262.5	031.7	055.8	000.0098	0150.4	022.4	41.01
302.0	001.4236	0262.3	031.8	054.9	000.0094	0149.8	022.9	40.47

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
303.0	001.4474	0262.0	031.9	054.1	000.0091	0149.1	023.4	39.92
304.0	001.4715	0261.7	032.0	053.4	000.0088	0148.4	023.8	39.38
305.0	001.4958	0261.6	032.1	052.7	000.0085	0147.6	024.3	38.84
306.0	001.5202	0261.7	032.3	052.0	000.0083	0146.9	024.8	38.30
307.0	001.5449	0261.8	032.4	051.4	000.0080	0146.2	025.3	37.77
308.0	001.5697	0262.0	032.5	050.8	000.0078	0145.4	025.9	37.23
309.0	001.5948	0262.3	032.7	050.2	000.0076	0144.6	026.4	36.70
310.0	001.6201	0262.5	032.8	049.7	000.0074	0143.6	026.9	36.18
311.0	001.6716	0262.6	033.1	049.0	000.0072	0142.2	027.4	35.62
312.0	001.7239	0262.4	033.3	048.4	000.0070	0140.7	028.0	35.06
313.0	001.7770	0262.4	033.5	047.8	000.0068	0139.2	028.5	34.51
314.0	001.8310	0262.5	033.8	047.2	000.0067	0137.8	029.1	33.96
315.0	001.8857	0262.7	034.0	046.7	000.0065	0136.6	029.7	33.44
316.0	001.9413	0262.6	034.2	046.3	000.0064	0135.6	030.3	32.96
317.0	001.9976	0262.3	034.4	045.9	000.0063	0134.8	030.9	32.50
318.0	002.0548	0262.1	034.6	045.5	000.0062	0134.2	031.5	32.06
319.0	002.1128	0262.0	034.8	045.2	000.0061	0133.7	032.1	31.65
320.0	002.1716	0261.9	035.0	044.9	000.0060	0133.2	032.7	31.25
321.0	002.2043	0261.6	035.1	044.8	000.0060	0133.1	033.3	30.93
322.0	002.2373	0261.3	035.2	044.8	000.0060	0133.0	034.0	30.60
323.0	002.2658	0261.4	035.3	044.7	000.0060	0132.9	034.6	30.29
324.0	002.2992	0261.8	035.5	044.7	000.0060	0132.8	035.2	29.96
325.0	002.3329	0262.2	035.6	044.6	000.0060	0132.7	035.8	29.64
326.0	002.3668	0262.2	035.7	044.6	000.0060	0132.7	036.5	29.34
327.0	002.4010	0261.9	035.8	044.7	000.0060	0132.8	037.1	29.06
328.0	002.4305	0261.3	035.9	044.8	000.0060	0133.0	037.7	28.80
329.0	002.4651	0260.6	035.9	044.9	000.0060	0133.2	038.3	28.54
330.0	002.5000	0260.1	036.0	045.0	000.0061	0133.4	039.0	28.29
331.0	002.5000	0259.8	036.0	045.3	000.0061	0133.8	039.6	28.09
332.0	002.5000	0259.7	036.0	045.5	000.0062	0134.2	040.2	27.89
333.0	002.5000	0259.6	036.0	045.8	000.0063	0134.7	040.8	27.70
334.0	002.5000	0259.4	036.0	046.1	000.0063	0135.2	041.4	27.51
335.0	002.5000	0259.0	036.0	046.4	000.0064	0135.8	042.0	27.35

01-30-2009 FCC NGDC 30 Sec Terrain Data

980923MB BPED19980923MB
Channel = 205A
Max ERP = 0.125 kW
RCAMSL = 226 M
N. Lat. 40 47 09.0
W. Lng. 74 30 37.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
034.0	000.0048	0118.5	005.3	280.9	002.0836	0257.3	043.5	57.35	
035.0	000.0048	0122.0	005.3	281.0	002.0806	0257.3	043.4	57.40	
036.0	000.0048	0124.6	005.4	281.0	002.0796	0257.3	043.3	57.44	
037.0	000.0048	0126.3	005.4	281.0	002.0805	0257.3	043.2	57.49	
038.0	000.0048	0127.2	005.5	280.9	002.0829	0257.3	043.1	57.53	
039.0	000.0048	0127.7	005.5	280.9	002.0861	0257.3	043.0	57.58	
040.0	000.0049	0128.2	005.5	280.8	002.0895	0257.3	042.9	57.63	
041.0	000.0051	0128.7	005.6	280.9	002.0876	0257.3	042.8	57.67	
042.0	000.0053	0129.4	005.6	280.9	002.0857	0257.3	042.6	57.73	
043.0	000.0056	0130.4	005.7	280.9	002.0836	0257.3	042.5	57.78	
044.0	000.0058	0131.8	005.8	280.9	002.0814	0257.3	042.4	57.83	
045.0	000.0060	0133.3	005.9	281.0	002.0793	0257.3	042.2	57.89	
046.0	000.0063	0135.1	006.0	281.0	002.0767	0257.3	042.1	57.94	
047.0	000.0066	0137.3	006.1	281.0	002.0734	0257.3	041.9	58.01	
048.0	000.0069	0139.8	006.3	281.1	002.0701	0257.3	041.8	58.07	
049.0	000.0072	0142.1	006.4	281.1	002.0675	0257.3	041.6	58.13	
050.0	000.0075	0144.2	006.5	281.1	002.0661	0257.3	041.5	58.20	
051.0	000.0079	0145.7	006.6	281.2	002.0646	0257.3	041.3	58.27	
052.0	000.0083	0146.8	006.7	281.2	002.0642	0257.3	041.2	58.33	
053.0	000.0086	0147.9	006.8	281.2	002.0645	0257.3	041.0	58.40	
054.0	000.0090	0148.9	006.9	281.2	002.0654	0257.3	040.9	58.47	
055.0	000.0095	0149.8	007.0	281.1	002.0670	0257.3	040.7	58.55	
056.0	000.0099	0150.6	007.1	281.1	002.0691	0257.3	040.5	58.62	
057.0	000.0103	0151.2	007.2	281.1	002.0718	0257.3	040.4	58.69	
058.0	000.0107	0151.7	007.3	281.0	002.0755	0257.3	040.2	58.77	
059.0	000.0112	0152.1	007.3	281.0	002.0797	0257.3	040.1	58.84	
060.0	000.0116	0152.5	007.4	280.9	002.0844	0257.3	040.0	58.92	
061.0	000.0122	0152.7	007.5	280.8	002.0886	0257.3	039.8	59.00	
062.0	000.0128	0152.9	007.6	280.8	002.0930	0257.3	039.6	59.08	
063.0	000.0134	0153.1	007.7	280.7	002.0981	0257.3	039.5	59.16	
064.0	000.0140	0153.3	007.8	280.6	002.1036	0257.3	039.3	59.25	
065.0	000.0147	0153.7	007.9	280.6	002.1095	0257.3	039.2	59.33	
066.0	000.0153	0154.3	008.0	280.5	002.1157	0257.3	039.0	59.42	
067.0	000.0160	0154.9	008.1	280.4	002.1219	0257.3	038.8	59.51	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
068.0	000.0167	0155.4	008.2	280.3	002.1292	0257.4	038.7	59.60
069.0	000.0173	0155.6	008.3	280.2	002.1376	0257.4	038.5	59.69
070.0	000.0180	0155.6	008.4	280.1	002.1470	0257.4	038.4	59.78
071.0	000.0189	0155.5	008.5	280.0	002.1556	0257.4	038.2	59.87
072.0	000.0199	0155.4	008.6	279.8	002.1638	0257.5	038.0	59.96
073.0	000.0208	0155.2	008.7	279.7	002.1726	0257.5	037.9	60.06
074.0	000.0218	0155.1	008.8	279.6	002.1821	0257.5	037.7	60.15
075.0	000.0227	0154.9	008.9	279.4	002.1922	0257.6	037.6	60.24
076.0	000.0237	0154.7	009.0	279.2	002.2029	0257.7	037.4	60.33
077.0	000.0248	0154.4	009.1	279.1	002.2143	0257.7	037.3	60.42
078.0	000.0258	0153.5	009.1	278.9	002.2277	0257.8	037.2	60.51
079.0	000.0269	0152.4	009.2	278.7	002.2419	0257.9	037.1	60.59
080.0	000.0280	0151.4	009.3	278.5	002.2567	0258.0	037.0	60.67
081.0	000.0293	0150.5	009.3	278.3	002.2712	0258.0	036.8	60.76
082.0	000.0308	0150.0	009.4	278.1	002.2859	0258.1	036.7	60.85
083.0	000.0322	0149.6	009.5	277.8	002.3004	0258.2	036.6	60.95
084.0	000.0337	0149.2	009.6	277.6	002.3151	0258.2	036.4	61.04
085.0	000.0352	0149.6	009.7	277.4	002.3299	0258.3	036.3	61.14
086.0	000.0367	0150.0	009.9	277.2	002.3453	0258.3	036.1	61.24
087.0	000.0383	0150.5	010.0	276.9	002.3618	0258.4	036.0	61.34
088.0	000.0399	0150.9	010.1	276.7	002.3799	0258.4	035.8	61.45
089.0	000.0415	0151.1	010.2	276.4	002.3987	0258.4	035.7	61.54
090.0	000.0432	0151.4	010.3	276.2	002.4183	0258.4	035.6	61.64
091.0	000.0454	0151.8	010.5	275.9	002.4379	0258.4	035.4	61.75
092.0	000.0476	0152.0	010.6	275.6	002.4575	0258.4	035.3	61.85
093.0	000.0498	0152.3	010.7	275.3	002.4778	0258.5	035.2	61.96
094.0	000.0521	0152.4	010.8	275.0	002.4989	0258.5	035.0	62.05
095.0	000.0544	0152.6	011.0	274.7	002.5000	0258.5	034.9	62.12
096.0	000.0569	0152.9	011.1	274.4	002.5000	0258.5	034.8	62.18
097.0	000.0593	0153.2	011.2	274.1	002.5000	0258.5	034.7	62.23
098.0	000.0618	0153.6	011.3	273.7	002.5000	0258.6	034.6	62.29
099.0	000.0644	0154.0	011.5	273.4	002.5000	0258.7	034.4	62.35
100.0	000.0670	0154.3	011.6	273.0	002.5000	0258.9	034.3	62.40
101.0	000.0703	0154.6	011.7	272.6	002.5000	0259.2	034.2	62.47
102.0	000.0737	0154.4	011.9	272.3	002.5000	0259.7	034.1	62.53
103.0	000.0772	0154.0	012.0	271.9	002.5000	0260.2	034.1	62.58
104.0	000.0807	0153.6	012.1	271.5	002.5000	0260.7	034.0	62.63
105.0	000.0844	0153.1	012.2	271.1	002.5000	0261.2	033.9	62.67
106.0	000.0881	0151.9	012.3	270.7	002.5000	0261.7	033.9	62.70
107.0	000.0919	0150.6	012.3	270.3	002.5000	0262.2	033.9	62.72
108.0	000.0957	0149.4	012.4	270.0	002.5000	0262.7	033.9	62.73
109.0	000.0997	0148.9	012.5	269.6	002.5000	0263.2	033.9	62.76
110.0	000.1037	0148.2	012.6	269.2	002.5000	0263.7	033.9	62.78
111.0	000.1078	0146.7	012.6	268.8	002.5000	0264.1	033.9	62.78
112.0	000.1120	0144.9	012.7	268.4	002.5000	0264.3	034.0	62.75
113.0	000.1163	0143.0	012.7	268.1	002.5000	0264.5	034.1	62.73
114.0	000.1206	0141.1	012.7	267.7	002.5000	0264.7	034.1	62.69
115.0	000.1250	0139.2	012.8	267.4	002.5000	0264.9	034.2	62.66
116.0	000.1250	0137.5	012.7	267.1	002.5000	0265.0	034.4	62.58
117.0	000.1250	0135.8	012.6	266.8	002.5000	0265.1	034.6	62.49
118.0	000.1250	0134.2	012.5	266.6	002.5000	0265.3	034.8	62.41

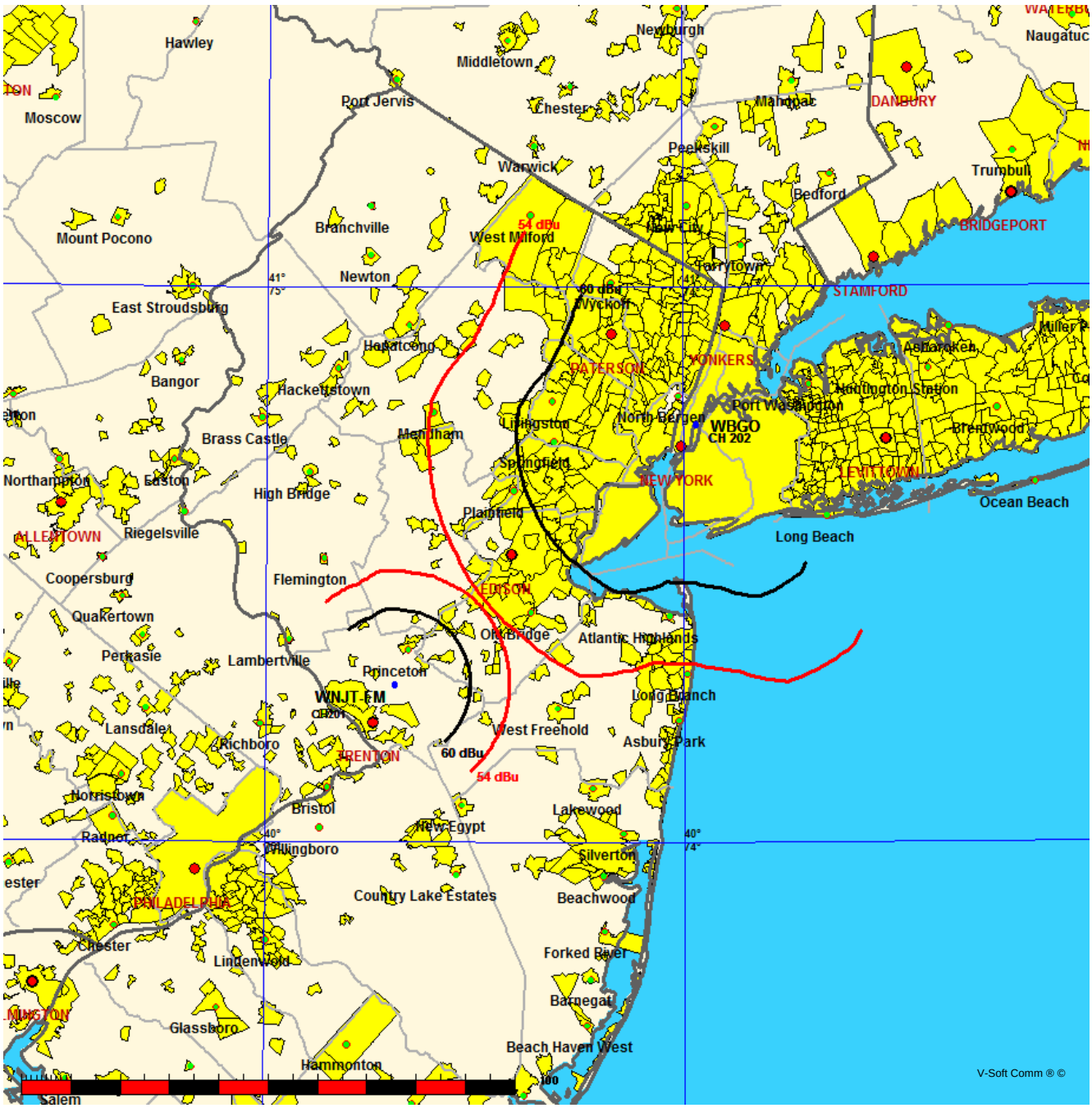
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
119.0	000.1250	0132.7	012.4	266.4	002.5000	0265.4	034.9	62.33
120.0	000.1250	0131.4	012.4	266.1	002.5000	0265.5	035.1	62.25
121.0	000.1250	0130.8	012.3	265.9	002.5000	0265.6	035.2	62.19
122.0	000.1250	0130.7	012.3	265.6	002.5000	0265.7	035.4	62.12
123.0	000.1250	0130.1	012.3	265.3	002.5000	0265.8	035.5	62.05
124.0	000.1250	0129.2	012.3	265.1	002.5000	0265.8	035.7	61.98
125.0	000.1250	0128.7	012.2	264.9	002.5000	0265.9	035.8	61.90
126.0	000.1250	0128.9	012.3	264.6	002.5000	0265.9	036.0	61.84
127.0	000.1250	0129.9	012.3	264.3	002.5000	0266.0	036.1	61.79
128.0	000.1250	0130.6	012.3	264.0	002.5000	0266.1	036.2	61.73
129.0	000.1250	0130.7	012.3	263.8	002.5000	0266.1	036.4	61.66
130.0	000.1250	0130.7	012.3	263.5	002.5000	0266.2	036.5	61.59
131.0	000.1250	0131.4	012.4	263.3	002.5000	0266.2	036.7	61.53
132.0	000.1250	0132.1	012.4	263.0	002.5000	0266.2	036.8	61.46
133.0	000.1250	0131.9	012.4	262.8	002.5000	0266.3	037.0	61.38
134.0	000.1250	0131.2	012.4	262.6	002.5000	0266.3	037.2	61.30
135.0	000.1250	0131.3	012.4	262.4	002.5000	0266.4	037.3	61.22
136.0	000.1250	0132.4	012.4	262.2	002.5000	0266.4	037.5	61.15
137.0	000.1250	0132.7	012.4	261.9	002.5000	0266.5	037.6	61.08
138.0	000.1250	0131.8	012.4	261.8	002.5000	0266.6	037.8	60.99
139.0	000.1250	0130.7	012.3	261.7	002.5000	0266.7	038.0	60.89
140.0	000.1250	0130.2	012.3	261.6	002.5000	0266.7	038.2	60.80
141.0	000.1250	0131.2	012.4	261.3	002.5000	0266.9	038.4	60.73
142.0	000.1250	0132.9	012.4	261.1	002.5000	0267.1	038.6	60.67
143.0	000.1250	0134.0	012.5	260.9	002.5000	0267.2	038.7	60.60
144.0	000.1250	0133.6	012.5	260.7	002.5000	0267.3	038.9	60.51
145.0	000.1250	0132.5	012.4	260.7	002.5000	0267.4	039.1	60.41
146.0	000.1250	0132.0	012.4	260.6	002.5000	0267.5	039.3	60.32
147.0	000.1250	0132.0	012.4	260.4	002.5000	0267.6	039.5	60.23
148.0	000.1250	0132.1	012.4	260.3	002.5000	0267.7	039.7	60.15
149.0	000.1250	0132.5	012.4	260.2	002.5000	0267.9	039.9	60.06
150.0	000.1250	0132.9	012.4	260.0	002.5000	0268.0	040.1	59.98
151.0	000.1250	0133.4	012.5	259.9	002.5000	0268.2	040.3	59.90
152.0	000.1250	0134.2	012.5	259.8	002.5000	0268.3	040.5	59.81
153.0	000.1250	0134.5	012.5	259.6	002.5000	0268.5	040.7	59.73
154.0	000.1250	0133.6	012.5	259.6	002.5000	0268.5	040.9	59.63

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 19.73 km, Out= 9.28 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WNJT-FM CH 201 A BLED19961001KE
Lat= 40 16 58.0, Lng= 74 41 11.0
0.11 kW 210 M HAAT, 244 M COR
Prot.= 60 dBu, Intef.= 54 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WNJT-FM BLED19961001KE
Channel = 201A
Max ERP = 0.11 kW
RCAMSL = 244 M
N. Lat. 40 16 58.0
W. Lng. 74 41 11.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
170.0	001.6646	0267.6	033.3	073.6	000.1100	0214.5	069.4	33.01	
171.0	001.6350	0267.4	033.2	073.4	000.1100	0214.5	068.8	33.20	
172.0	001.6056	0267.3	033.0	073.2	000.1100	0214.5	068.3	33.38	
173.0	001.5765	0267.1	032.9	073.0	000.1100	0214.5	067.7	33.57	
174.0	001.5476	0266.9	032.7	072.8	000.1100	0214.5	067.2	33.75	
175.0	001.5191	0266.8	032.6	072.6	000.1100	0214.5	066.7	33.93	
176.0	001.4907	0266.7	032.4	072.3	000.1100	0214.5	066.2	34.10	
177.0	001.4627	0266.8	032.3	072.1	000.1100	0214.4	065.7	34.28	
178.0	001.4349	0266.8	032.1	071.8	000.1100	0214.4	065.1	34.45	
179.0	001.4074	0266.9	032.0	071.6	000.1100	0214.4	064.7	34.62	
180.0	001.3801	0266.6	031.8	071.3	000.1100	0214.4	064.2	34.78	
181.0	001.3883	0265.9	031.8	071.1	000.1100	0214.4	063.7	34.96	
182.0	001.3965	0265.2	031.8	071.0	000.1100	0214.4	063.1	35.15	
183.0	001.4048	0264.3	031.8	070.8	000.1100	0214.4	062.6	35.33	
184.0	001.4130	0263.5	031.8	070.6	000.1100	0214.4	062.1	35.51	
185.0	001.4213	0263.2	031.8	070.4	000.1100	0214.4	061.6	35.70	
186.0	001.4296	0263.4	031.9	070.2	000.1100	0214.4	061.1	35.89	
187.0	001.4379	0263.7	031.9	070.0	000.1100	0214.4	060.5	36.09	
188.0	001.4463	0263.8	032.0	069.8	000.1100	0214.4	060.0	36.28	
189.0	001.4547	0263.8	032.0	069.6	000.1100	0214.4	059.5	36.47	
190.0	001.4631	0263.3	032.1	069.4	000.1100	0214.4	059.0	36.66	
191.0	001.5272	0263.7	032.4	069.4	000.1100	0214.4	058.4	36.91	
192.0	001.5928	0265.1	032.8	069.5	000.1100	0214.4	057.7	37.18	
193.0	001.6597	0266.7	033.2	069.5	000.1100	0214.4	056.9	37.45	
194.0	001.7281	0267.9	033.6	069.5	000.1100	0214.4	056.2	37.73	
195.0	001.7978	0268.7	034.0	069.4	000.1100	0214.4	055.6	37.99	
196.0	001.8688	0268.9	034.3	069.3	000.1100	0214.4	054.9	38.25	
197.0	001.9413	0269.1	034.6	069.2	000.1100	0214.4	054.2	38.52	
198.0	002.0151	0269.9	034.9	069.1	000.1100	0214.4	053.6	38.79	
199.0	002.0903	0271.2	035.3	069.0	000.1100	0214.4	052.9	39.07	
200.0	002.1669	0272.9	035.7	068.9	000.1100	0214.4	052.1	39.35	
201.0	002.2326	0274.6	036.0	068.7	000.1100	0214.4	051.5	39.62	
202.0	002.2992	0276.1	036.3	068.5	000.1100	0214.4	050.8	39.89	
203.0	002.3620	0277.4	036.6	068.2	000.1100	0214.4	050.1	40.15	
204.0	002.4305	0278.3	036.9	067.9	000.1100	0214.4	049.5	40.41	
205.0	002.5000	0278.8	037.1	067.6	000.1100	0214.4	048.9	40.66	
206.0	002.5000	0279.0	037.1	067.0	000.1100	0214.4	048.4	40.83	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
207.0	002.5000	0279.0	037.1	066.4	000.1100	0214.4	048.0	41.00
208.0	002.5000	0278.8	037.1	065.8	000.1100	0214.4	047.6	41.16
209.0	002.5000	0278.6	037.1	065.2	000.1100	0214.4	047.2	41.31
210.0	002.5000	0278.4	037.1	064.5	000.1100	0214.4	046.9	41.46
211.0	002.5000	0278.1	037.1	063.9	000.1100	0214.4	046.5	41.60
212.0	002.5000	0277.8	037.1	063.2	000.1100	0214.5	046.2	41.74
213.0	002.5000	0277.3	037.0	062.5	000.1100	0214.5	045.9	41.87
214.0	002.5000	0276.8	037.0	061.8	000.1100	0214.6	045.6	41.99
215.0	002.5000	0276.2	037.0	061.0	000.1100	0214.7	045.3	42.11
216.0	002.5000	0275.4	036.9	060.2	000.1100	0214.7	045.1	42.21
217.0	002.5000	0274.5	036.9	059.5	000.1100	0214.8	044.9	42.30
218.0	002.5000	0273.9	036.8	058.7	000.1100	0214.9	044.7	42.39
219.0	002.5000	0273.7	036.8	057.9	000.1100	0215.0	044.5	42.49
220.0	002.5000	0274.0	036.9	057.1	000.1100	0215.1	044.3	42.58
221.0	002.5000	0274.7	036.9	056.3	000.1100	0215.2	044.0	42.69
222.0	002.5000	0275.6	036.9	055.5	000.1100	0215.3	043.8	42.78
223.0	002.5000	0276.4	037.0	054.7	000.1100	0215.4	043.6	42.87
224.0	002.5000	0276.8	037.0	053.9	000.1100	0215.5	043.5	42.93
225.0	002.5000	0277.0	037.0	053.1	000.1100	0215.6	043.4	42.99
226.0	002.5000	0277.1	037.0	052.2	000.1100	0215.6	043.3	43.03
227.0	002.5000	0277.2	037.0	051.4	000.1100	0215.7	043.2	43.06
228.0	002.5000	0277.3	037.0	050.5	000.1100	0215.7	043.2	43.09
229.0	002.5000	0277.4	037.1	049.7	000.1100	0215.8	043.1	43.10
230.0	002.5000	0277.5	037.1	048.8	000.1100	0215.9	043.1	43.10
231.0	002.5000	0277.6	037.1	047.9	000.1100	0215.9	043.2	43.10
232.0	002.5000	0277.7	037.1	047.1	000.1100	0215.9	043.2	43.08
233.0	002.5000	0277.7	037.1	046.2	000.1100	0216.0	043.3	43.06
234.0	002.5000	0277.7	037.1	045.4	000.1100	0216.0	043.3	43.02
235.0	002.5000	0277.5	037.1	044.5	000.1100	0215.9	043.5	42.97
236.0	002.5000	0277.2	037.0	043.7	000.1100	0215.8	043.6	42.90
237.0	002.5000	0276.7	037.0	042.9	000.1100	0215.7	043.8	42.82
238.0	002.5000	0276.1	037.0	042.1	000.1100	0215.4	044.0	42.72
239.0	002.5000	0275.5	036.9	041.3	000.1100	0215.0	044.2	42.61
240.0	002.5000	0275.0	036.9	040.5	000.1100	0214.6	044.4	42.48
241.0	002.5000	0274.5	036.9	039.8	000.1100	0214.1	044.7	42.36
242.0	002.5000	0274.2	036.9	039.0	000.1100	0213.7	044.9	42.23
243.0	002.5000	0273.9	036.8	038.3	000.1100	0213.4	045.2	42.10
244.0	002.5000	0273.8	036.8	037.5	000.1100	0213.0	045.5	41.96
245.0	002.5000	0273.7	036.8	036.8	000.1100	0212.7	045.8	41.82
246.0	002.5000	0273.8	036.8	036.1	000.1100	0212.4	046.1	41.68
247.0	002.5000	0273.8	036.8	035.4	000.1100	0212.0	046.4	41.53
248.0	002.5000	0273.9	036.8	034.8	000.1100	0211.7	046.8	41.38
249.0	002.5000	0273.8	036.8	034.1	000.1100	0211.4	047.1	41.21
250.0	002.5000	0273.6	036.8	033.5	000.1100	0210.9	047.5	41.03
251.0	002.5000	0273.3	036.8	032.9	000.1100	0210.4	047.9	40.85
252.0	002.5000	0272.9	036.8	032.3	000.1100	0209.8	048.3	40.66
253.0	002.5000	0272.6	036.8	031.7	000.1100	0209.4	048.8	40.47
254.0	002.5000	0272.2	036.7	031.2	000.1100	0209.1	049.2	40.28
255.0	002.5000	0272.0	036.7	030.7	000.1100	0208.8	049.7	40.08
256.0	002.5000	0271.6	036.7	030.1	000.1100	0208.5	050.1	39.89
257.0	002.5000	0271.1	036.7	029.7	000.1100	0208.3	050.6	39.68

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
258.0	002.5000	0270.4	036.6	029.2	000.1100	0208.0	051.1	39.47
259.0	002.5000	0269.3	036.6	028.8	000.1100	0207.9	051.6	39.26
260.0	002.5000	0268.1	036.5	028.4	000.1100	0207.7	052.2	39.04
261.0	002.5000	0267.1	036.4	028.0	000.1100	0207.6	052.7	38.82
262.0	002.5000	0266.5	036.4	027.7	000.1100	0207.6	053.2	38.61
263.0	002.5000	0266.2	036.4	027.3	000.1100	0207.5	053.8	38.40
264.0	002.5000	0266.1	036.4	026.9	000.1100	0207.5	054.3	38.19
265.0	002.5000	0265.8	036.4	026.6	000.1100	0207.4	054.9	37.97
266.0	002.5000	0265.6	036.4	026.2	000.1100	0207.3	055.4	37.75
267.0	002.5000	0265.1	036.3	025.9	000.1100	0207.1	056.0	37.52
268.0	002.5000	0264.5	036.3	025.7	000.1100	0206.9	056.5	37.29
269.0	002.5000	0263.9	036.3	025.4	000.1100	0206.7	057.1	37.06
270.0	002.5000	0262.6	036.2	025.2	000.1100	0206.6	057.7	36.82
271.0	002.5000	0261.3	036.1	025.0	000.1100	0206.5	058.3	36.59
272.0	002.5000	0260.0	036.0	024.8	000.1100	0206.4	058.9	36.36
273.0	002.5000	0258.9	036.0	024.6	000.1100	0206.4	059.5	36.13
274.0	002.5000	0258.5	035.9	024.4	000.1100	0206.4	060.1	35.90
275.0	002.5000	0258.5	035.9	024.2	000.1100	0206.4	060.7	35.69
276.0	002.4305	0258.4	035.7	024.3	000.1100	0206.4	061.4	35.45
277.0	002.3571	0258.3	035.5	024.3	000.1100	0206.4	062.1	35.21
278.0	002.2896	0258.1	035.2	024.3	000.1100	0206.4	062.7	34.97
279.0	002.2184	0257.8	035.0	024.4	000.1100	0206.4	063.4	34.74
280.0	002.1530	0257.4	034.7	024.5	000.1100	0206.4	064.0	34.51
281.0	002.0771	0257.3	034.4	024.6	000.1100	0206.4	064.7	34.29
282.0	002.0026	0257.2	034.1	024.7	000.1100	0206.4	065.3	34.06
283.0	001.9294	0257.0	033.8	024.9	000.1100	0206.4	066.0	33.85
284.0	001.8576	0256.8	033.5	025.0	000.1100	0206.5	066.6	33.63
285.0	001.7872	0256.7	033.2	025.2	000.1100	0206.6	067.2	33.42
286.0	001.7181	0256.8	032.9	025.3	000.1100	0206.7	067.9	33.22
287.0	001.6504	0257.3	032.6	025.5	000.1100	0206.8	068.5	33.02
288.0	001.5840	0257.9	032.3	025.6	000.1100	0206.9	069.1	32.82
289.0	001.5191	0258.6	032.1	025.8	000.1100	0207.0	069.7	32.63
290.0	001.4554	0259.3	031.8	026.0	000.1100	0207.1	070.2	32.44

01-30-2009 FCC NGDC 30 Sec Terrain Data

WNJT-FM BLED19961001KE
Channel = 201A
Max ERP = 0.11 kW
RCAMSL = 244 M
N. Lat. 40 16 58.0
W. Lng. 74 41 11.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
349.0	000.1100	0197.9	014.8	239.6	002.5000	0275.2	073.8	47.18	
350.0	000.1100	0199.4	014.9	239.6	002.5000	0275.2	073.5	47.27	
351.0	000.1100	0201.2	014.9	239.5	002.5000	0275.2	073.3	47.36	
352.0	000.1100	0202.5	015.0	239.5	002.5000	0275.3	073.0	47.45	
353.0	000.1100	0203.6	015.0	239.4	002.5000	0275.3	072.8	47.54	
354.0	000.1100	0204.0	015.0	239.4	002.5000	0275.3	072.5	47.62	
355.0	000.1100	0204.2	015.0	239.3	002.5000	0275.4	072.3	47.71	
356.0	000.1100	0204.3	015.0	239.2	002.5000	0275.4	072.0	47.79	
357.0	000.1100	0203.7	015.0	239.1	002.5000	0275.5	071.8	47.87	
358.0	000.1100	0203.0	015.0	239.0	002.5000	0275.6	071.6	47.95	
359.0	000.1100	0202.9	015.0	238.8	002.5000	0275.6	071.4	48.02	
000.0	000.1100	0202.7	015.0	238.7	002.5000	0275.7	071.2	48.10	
001.0	000.1100	0202.5	015.0	238.6	002.5000	0275.8	070.9	48.18	
002.0	000.1100	0202.2	015.0	238.5	002.5000	0275.8	070.7	48.26	
003.0	000.1100	0202.3	015.0	238.4	002.5000	0275.9	070.5	48.33	
004.0	000.1100	0202.4	015.0	238.2	002.5000	0276.0	070.3	48.41	
005.0	000.1100	0202.4	015.0	238.1	002.5000	0276.1	070.1	48.49	
006.0	000.1100	0202.3	015.0	238.0	002.5000	0276.1	069.9	48.56	
007.0	000.1100	0201.7	014.9	237.8	002.5000	0276.2	069.7	48.63	
008.0	000.1100	0201.0	014.9	237.7	002.5000	0276.3	069.5	48.70	
009.0	000.1100	0200.6	014.9	237.5	002.5000	0276.4	069.3	48.76	
010.0	000.1100	0200.5	014.9	237.4	002.5000	0276.5	069.1	48.83	
011.0	000.1100	0200.9	014.9	237.2	002.5000	0276.6	068.9	48.90	
012.0	000.1100	0201.7	014.9	237.1	002.5000	0276.7	068.7	48.98	
013.0	000.1100	0202.4	015.0	237.0	002.5000	0276.7	068.5	49.05	
014.0	000.1100	0203.0	015.0	236.8	002.5000	0276.8	068.3	49.12	
015.0	000.1100	0203.5	015.0	236.7	002.5000	0276.9	068.2	49.19	
016.0	000.1100	0204.4	015.0	236.5	002.5000	0277.0	068.0	49.26	
017.0	000.1100	0205.4	015.1	236.4	002.5000	0277.0	067.8	49.33	
018.0	000.1100	0206.5	015.1	236.2	002.5000	0277.1	067.6	49.40	
019.0	000.1100	0207.5	015.2	236.1	002.5000	0277.2	067.4	49.47	
020.0	000.1100	0208.2	015.2	235.9	002.5000	0277.3	067.2	49.54	
021.0	000.1100	0208.6	015.2	235.7	002.5000	0277.3	067.0	49.60	
022.0	000.1100	0208.3	015.2	235.5	002.5000	0277.4	066.9	49.65	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
023.0	000.1100	0207.4	015.2	235.3	002.5000	0277.5	066.8	49.69
024.0	000.1100	0206.5	015.1	235.1	002.5000	0277.5	066.7	49.73
025.0	000.1100	0206.5	015.1	234.9	002.5000	0277.6	066.5	49.78
026.0	000.1100	0207.1	015.2	234.7	002.5000	0277.6	066.4	49.83
027.0	000.1100	0207.5	015.2	234.5	002.5000	0277.6	066.3	49.88
028.0	000.1100	0207.6	015.2	234.3	002.5000	0277.7	066.1	49.93
029.0	000.1100	0207.9	015.2	234.1	002.5000	0277.7	066.0	49.97
030.0	000.1100	0208.5	015.2	233.9	002.5000	0277.7	065.9	50.02
031.0	000.1100	0209.0	015.2	233.7	002.5000	0277.7	065.8	50.06
032.0	000.1100	0209.6	015.2	233.5	002.5000	0277.7	065.7	50.10
033.0	000.1100	0210.5	015.3	233.3	002.5000	0277.7	065.5	50.15
034.0	000.1100	0211.3	015.3	233.1	002.5000	0277.7	065.4	50.19
035.0	000.1100	0211.8	015.3	232.8	002.5000	0277.7	065.3	50.22
036.0	000.1100	0212.3	015.3	232.6	002.5000	0277.7	065.2	50.26
037.0	000.1100	0212.8	015.4	232.4	002.5000	0277.7	065.1	50.29
038.0	000.1100	0213.3	015.4	232.2	002.5000	0277.7	065.0	50.32
039.0	000.1100	0213.7	015.4	232.0	002.5000	0277.6	065.0	50.34
040.0	000.1100	0214.3	015.4	231.7	002.5000	0277.6	064.9	50.37
041.0	000.1100	0214.8	015.4	231.5	002.5000	0277.6	064.8	50.39
042.0	000.1100	0215.4	015.5	231.3	002.5000	0277.6	064.8	50.41
043.0	000.1100	0215.7	015.5	231.0	002.5000	0277.6	064.7	50.43
044.0	000.1100	0215.9	015.5	230.8	002.5000	0277.6	064.7	50.45
045.0	000.1100	0216.0	015.5	230.6	002.5000	0277.5	064.6	50.46
046.0	000.1100	0216.0	015.5	230.3	002.5000	0277.5	064.6	50.46
047.0	000.1100	0215.9	015.5	230.1	002.5000	0277.5	064.6	50.47
048.0	000.1100	0215.9	015.5	229.8	002.5000	0277.5	064.6	50.47
049.0	000.1100	0215.8	015.5	229.6	002.5000	0277.5	064.6	50.47
050.0	000.1100	0215.8	015.5	229.4	002.5000	0277.4	064.6	50.47
051.0	000.1100	0215.7	015.5	229.1	002.5000	0277.4	064.6	50.46
052.0	000.1100	0215.6	015.5	228.9	002.5000	0277.4	064.6	50.46
053.0	000.1100	0215.6	015.5	228.6	002.5000	0277.4	064.6	50.45
054.0	000.1100	0215.5	015.5	228.4	002.5000	0277.4	064.7	50.44
055.0	000.1100	0215.4	015.5	228.2	002.5000	0277.3	064.7	50.42
056.0	000.1100	0215.2	015.5	227.9	002.5000	0277.3	064.8	50.41
057.0	000.1100	0215.1	015.4	227.7	002.5000	0277.3	064.8	50.39
058.0	000.1100	0215.0	015.4	227.5	002.5000	0277.3	064.9	50.37
059.0	000.1100	0214.9	015.4	227.2	002.5000	0277.2	064.9	50.35
060.0	000.1100	0214.8	015.4	227.0	002.5000	0277.2	065.0	50.33
061.0	000.1100	0214.7	015.4	226.8	002.5000	0277.2	065.0	50.30
062.0	000.1100	0214.6	015.4	226.5	002.5000	0277.2	065.1	50.27
063.0	000.1100	0214.5	015.4	226.3	002.5000	0277.2	065.2	50.24
064.0	000.1100	0214.4	015.4	226.1	002.5000	0277.1	065.3	50.21
065.0	000.1100	0214.4	015.4	225.9	002.5000	0277.1	065.4	50.18
066.0	000.1100	0214.4	015.4	225.6	002.5000	0277.1	065.5	50.15
067.0	000.1100	0214.4	015.4	225.4	002.5000	0277.1	065.6	50.11
068.0	000.1100	0214.4	015.4	225.2	002.5000	0277.1	065.7	50.08
069.0	000.1100	0214.4	015.4	225.0	002.5000	0277.0	065.8	50.04
070.0	000.1100	0214.4	015.4	224.8	002.5000	0277.0	065.9	49.99
071.0	000.1100	0214.4	015.4	224.6	002.5000	0277.0	066.0	49.95
072.0	000.1100	0214.4	015.4	224.4	002.5000	0276.9	066.1	49.91
073.0	000.1100	0214.5	015.4	224.2	002.5000	0276.9	066.3	49.86

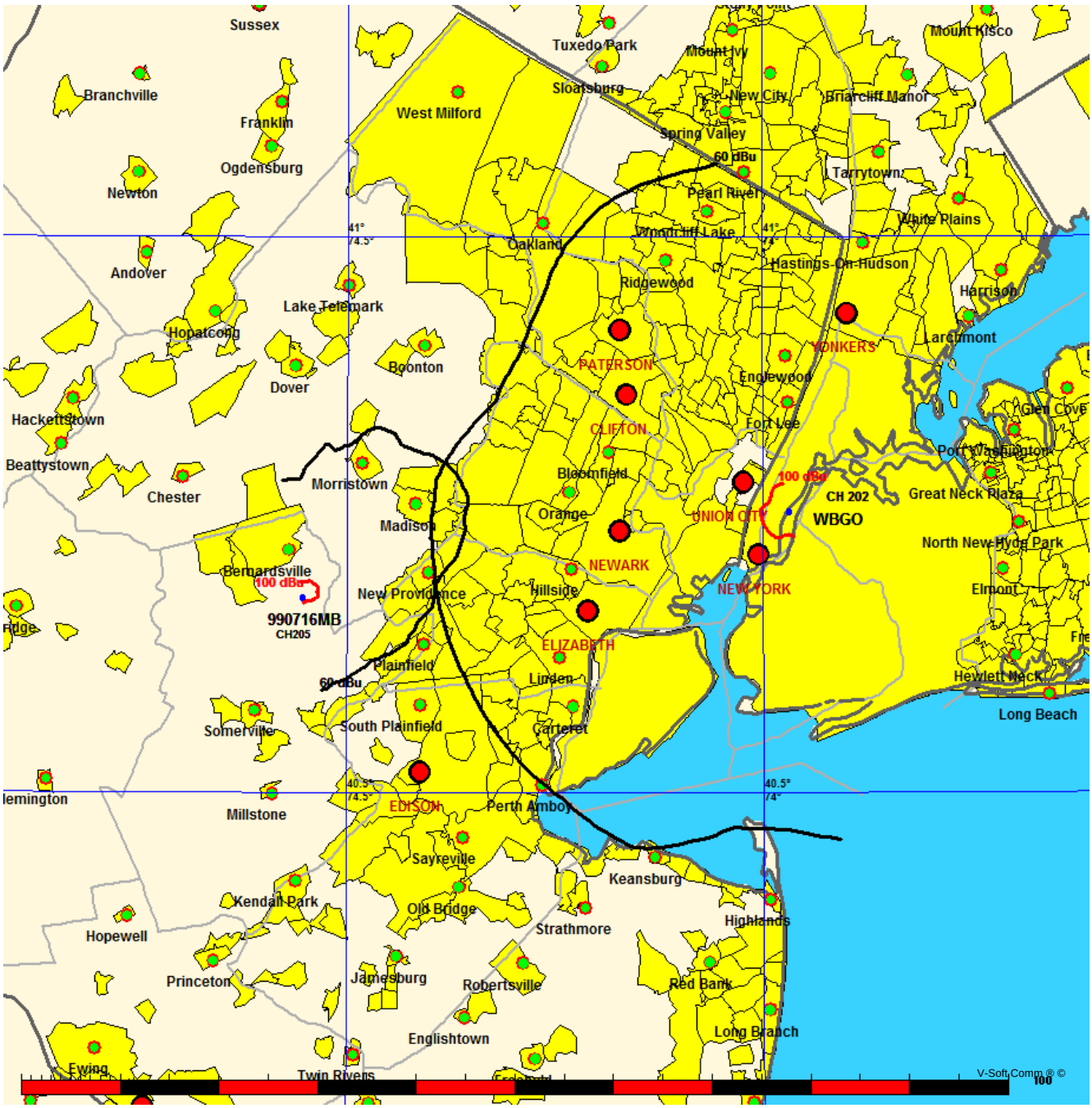
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
074.0	000.1100	0214.5	015.4	224.0	002.5000	0276.8	066.4	49.81
075.0	000.1100	0214.6	015.4	223.8	002.5000	0276.7	066.5	49.76
076.0	000.1100	0214.6	015.4	223.6	002.5000	0276.7	066.7	49.71
077.0	000.1100	0214.6	015.4	223.4	002.5000	0276.6	066.8	49.65
078.0	000.1100	0214.7	015.4	223.2	002.5000	0276.5	067.0	49.59
079.0	000.1100	0214.7	015.4	223.0	002.5000	0276.4	067.1	49.54
080.0	000.1100	0214.7	015.4	222.8	002.5000	0276.3	067.3	49.47
081.0	000.1100	0214.7	015.4	222.6	002.5000	0276.1	067.5	49.41
082.0	000.1100	0214.7	015.4	222.4	002.5000	0276.0	067.6	49.35
083.0	000.1100	0214.7	015.4	222.3	002.5000	0275.9	067.8	49.28
084.0	000.1100	0214.7	015.4	222.1	002.5000	0275.7	068.0	49.21
085.0	000.1100	0214.8	015.4	221.9	002.5000	0275.6	068.2	49.14
086.0	000.1100	0214.8	015.4	221.8	002.5000	0275.4	068.4	49.07
087.0	000.1100	0214.8	015.4	221.6	002.5000	0275.3	068.5	49.00
088.0	000.1100	0214.8	015.4	221.5	002.5000	0275.1	068.7	48.93
089.0	000.1100	0214.8	015.4	221.3	002.5000	0275.0	068.9	48.85
090.0	000.1100	0214.7	015.4	221.2	002.5000	0274.9	069.1	48.78
091.0	000.1100	0214.4	015.4	221.0	002.5000	0274.7	069.4	48.70
092.0	000.1100	0214.1	015.4	220.9	002.5000	0274.6	069.6	48.62
093.0	000.1100	0213.8	015.4	220.8	002.5000	0274.5	069.8	48.54
094.0	000.1100	0213.8	015.4	220.6	002.5000	0274.4	070.0	48.46
095.0	000.1100	0214.0	015.4	220.5	002.5000	0274.3	070.2	48.38
096.0	000.1100	0214.1	015.4	220.4	002.5000	0274.2	070.4	48.31
097.0	000.1100	0214.3	015.4	220.2	002.5000	0274.1	070.7	48.23
098.0	000.1100	0214.4	015.4	220.1	002.5000	0274.0	070.9	48.15
099.0	000.1100	0214.6	015.4	220.0	002.5000	0274.0	071.1	48.07
100.0	000.1100	0214.8	015.4	219.9	002.5000	0273.9	071.3	47.98
101.0	000.1100	0214.9	015.4	219.8	002.5000	0273.9	071.6	47.90
102.0	000.1100	0214.9	015.4	219.7	002.5000	0273.8	071.8	47.82
103.0	000.1100	0214.9	015.4	219.6	002.5000	0273.8	072.1	47.73
104.0	000.1100	0214.9	015.4	219.5	002.5000	0273.8	072.3	47.65
105.0	000.1100	0214.8	015.4	219.4	002.5000	0273.7	072.5	47.56
106.0	000.1100	0214.7	015.4	219.3	002.5000	0273.7	072.8	47.48
107.0	000.1100	0214.6	015.4	219.3	002.5000	0273.7	073.0	47.39
108.0	000.1100	0214.4	015.4	219.2	002.5000	0273.7	073.3	47.30
109.0	000.1100	0214.2	015.4	219.1	002.5000	0273.7	073.6	47.22

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 11.81 km, Out= 32.27 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 100 dBu

990716MB CH 205 A DA BPED19990716MB
Lat= 40 40 26.0, Lng= 74 33 06.0
1.9 kW 79 M HAAT, 172 M COR
Prot.= 60 dBu, Intef.= 100 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

990716MB BPED19990716MB
Channel = 205A
Max ERP = 1.9 kW
RCAMSL = 172 M
N. Lat. 40 40 26.0
W. Lng. 74 33 06.0
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
200.0	002.1669	0272.9	035.7	123.7	000.0937	0103.6	044.7	35.85	
201.0	002.2326	0274.6	036.0	124.3	000.0913	0103.3	044.2	35.91	
202.0	002.2992	0276.1	036.3	124.8	000.0889	0103.2	043.6	36.00	
203.0	002.3620	0277.4	036.6	125.4	000.0866	0103.4	043.1	36.13	
204.0	002.4305	0278.3	036.9	125.9	000.0845	0103.8	042.5	36.29	
205.0	002.5000	0278.8	037.1	126.4	000.0825	0104.2	041.9	36.46	
206.0	002.5000	0279.0	037.1	126.6	000.0818	0104.4	041.3	36.70	
207.0	002.5000	0279.0	037.1	126.8	000.0812	0104.5	040.7	36.94	
208.0	002.5000	0278.8	037.1	126.9	000.0806	0104.6	040.0	37.20	
209.0	002.5000	0278.6	037.1	127.1	000.0801	0104.7	039.4	37.45	
210.0	002.5000	0278.4	037.1	127.2	000.0797	0104.8	038.7	37.72	
211.0	002.5000	0278.1	037.1	127.3	000.0794	0104.9	038.1	37.99	
212.0	002.5000	0277.8	037.1	127.3	000.0791	0105.0	037.4	38.26	
213.0	002.5000	0277.3	037.0	127.4	000.0789	0105.0	036.8	38.55	
214.0	002.5000	0276.8	037.0	127.4	000.0788	0105.0	036.1	38.84	
215.0	002.5000	0276.2	037.0	127.4	000.0788	0105.0	035.5	39.13	
216.0	002.5000	0275.4	036.9	127.4	000.0790	0105.0	034.9	39.44	
217.0	002.5000	0274.5	036.9	127.3	000.0792	0104.9	034.2	39.75	
218.0	002.5000	0273.9	036.8	127.2	000.0795	0104.9	033.6	40.06	
219.0	002.5000	0273.7	036.8	127.2	000.0796	0104.8	032.9	40.38	
220.0	002.5000	0274.0	036.9	127.2	000.0796	0104.8	032.3	40.69	
221.0	002.5000	0274.7	036.9	127.2	000.0796	0104.8	031.6	41.00	
222.0	002.5000	0275.6	036.9	127.2	000.0796	0104.9	031.0	41.34	
223.0	002.5000	0276.4	037.0	127.2	000.0797	0104.8	030.3	41.69	
224.0	002.5000	0276.8	037.0	127.1	000.0800	0104.8	029.7	42.06	
225.0	002.5000	0277.0	037.0	127.0	000.0805	0104.7	029.0	42.45	
226.0	002.5000	0277.1	037.0	126.8	000.0812	0104.5	028.4	42.86	
227.0	002.5000	0277.2	037.0	126.6	000.0820	0104.3	027.8	43.29	
228.0	002.5000	0277.3	037.0	126.3	000.0829	0104.1	027.1	43.72	
229.0	002.5000	0277.4	037.1	126.1	000.0840	0103.9	026.5	44.18	
230.0	002.5000	0277.5	037.1	125.7	000.0853	0103.6	025.9	44.64	
231.0	002.5000	0277.6	037.1	125.4	000.0867	0103.3	025.2	45.12	
232.0	002.5000	0277.7	037.1	125.0	000.0883	0103.2	024.6	45.63	
233.0	002.5000	0277.7	037.1	124.5	000.0902	0103.2	024.0	46.16	
234.0	002.5000	0277.7	037.1	124.0	000.0923	0103.4	023.4	46.72	
235.0	002.5000	0277.5	037.1	123.4	000.0947	0103.8	022.8	47.32	
236.0	002.5000	0277.2	037.0	122.7	000.0975	0104.4	022.2	47.94	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
237.0	002.5000	0276.7	037.0	122.0	000.1007	0105.0	021.6	48.59
238.0	002.5000	0276.1	037.0	121.2	000.1043	0105.5	021.0	49.22
239.0	002.5000	0275.5	036.9	120.2	000.1084	0105.5	020.5	49.82
240.0	002.5000	0275.0	036.9	119.3	000.1137	0104.8	019.9	50.41
241.0	002.5000	0274.5	036.9	118.2	000.1198	0103.9	019.4	50.98
242.0	002.5000	0274.2	036.9	117.1	000.1265	0103.5	018.9	51.61
243.0	002.5000	0273.9	036.8	115.9	000.1339	0103.9	018.4	52.30
244.0	002.5000	0273.8	036.8	114.6	000.1420	0104.0	017.9	52.98
245.0	002.5000	0273.7	036.8	113.2	000.1510	0103.0	017.4	53.56
246.0	002.5000	0273.8	036.8	111.8	000.1608	0099.9	016.9	53.96
247.0	002.5000	0273.8	036.8	110.2	000.1717	0096.0	016.5	54.27
248.0	002.5000	0273.9	036.8	108.5	000.1866	0094.0	016.0	54.80
249.0	002.5000	0273.8	036.8	106.7	000.2038	0091.9	015.6	55.33
250.0	002.5000	0273.6	036.8	104.8	000.2232	0089.5	015.2	55.82
251.0	002.5000	0273.3	036.8	102.7	000.2449	0086.4	014.9	56.06
252.0	002.5000	0272.9	036.8	100.5	000.2688	0085.5	014.6	56.72
253.0	002.5000	0272.6	036.8	098.2	000.3006	0087.3	014.3	57.71
254.0	002.5000	0272.2	036.7	095.8	000.3373	0087.8	014.1	58.55
255.0	002.5000	0272.0	036.7	093.3	000.3775	0086.1	013.9	59.13
256.0	002.5000	0271.6	036.7	090.7	000.4215	0082.6	013.7	59.45
257.0	002.5000	0271.1	036.7	088.1	000.4789	0078.9	013.6	59.76
258.0	002.5000	0270.4	036.6	085.4	000.5449	0074.8	013.5	59.95
259.0	002.5000	0269.3	036.6	082.6	000.6158	0075.0	013.5	60.50
260.0	002.5000	0268.1	036.5	079.9	000.6910	0077.9	013.6	61.26
261.0	002.5000	0267.1	036.4	077.3	000.7899	0081.6	013.7	62.15
262.0	002.5000	0266.5	036.4	074.6	000.8939	0084.2	013.8	62.83
263.0	002.5000	0266.2	036.4	072.0	001.0025	0084.6	013.9	63.22
264.0	002.5000	0266.1	036.4	069.5	001.1208	0084.8	014.0	63.54
265.0	002.5000	0265.8	036.4	067.0	001.2656	0083.6	014.2	63.71
266.0	002.5000	0265.6	036.4	064.6	001.4133	0081.5	014.4	63.69
267.0	002.5000	0265.1	036.3	062.4	001.5613	0082.3	014.7	63.89
268.0	002.5000	0264.5	036.3	060.2	001.7087	0083.7	015.0	64.26
269.0	002.5000	0263.9	036.3	058.2	001.7561	0084.1	015.4	64.14
270.0	002.5000	0262.6	036.2	056.4	001.7876	0084.2	015.8	63.87
271.0	002.5000	0261.3	036.1	054.7	001.8172	0084.2	016.2	63.57
272.0	002.5000	0260.0	036.0	053.1	001.8449	0084.4	016.6	63.28
273.0	002.5000	0258.9	036.0	051.6	001.8713	0084.1	017.1	62.93
274.0	002.5000	0258.5	035.9	050.1	001.8978	0083.7	017.5	62.58
275.0	002.5000	0258.5	035.9	048.7	001.8620	0083.9	018.0	62.14
276.0	002.4305	0258.4	035.7	047.9	001.8380	0084.1	018.6	61.59
277.0	002.3571	0258.3	035.5	047.2	001.8182	0084.0	019.2	61.03
278.0	002.2896	0258.1	035.2	046.6	001.8006	0084.0	019.8	60.47
279.0	002.2184	0257.8	035.0	046.1	001.7870	0084.0	020.5	59.91
280.0	002.1530	0257.4	034.7	045.6	001.7745	0084.0	021.1	59.37
281.0	002.0771	0257.3	034.4	045.3	001.7658	0084.0	021.8	58.84
282.0	002.0026	0257.2	034.1	045.1	001.7589	0084.0	022.4	58.31
283.0	001.9294	0257.0	033.8	044.9	001.7539	0084.0	023.1	57.80
284.0	001.8576	0256.8	033.5	044.8	001.7509	0084.0	023.7	57.30
285.0	001.7872	0256.7	033.2	044.7	001.7486	0084.0	024.4	56.82
286.0	001.7181	0256.8	032.9	044.7	001.7469	0084.0	025.0	56.36
287.0	001.6504	0257.3	032.6	044.6	001.7457	0084.0	025.7	55.91

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
288.0	001.5840	0257.9	032.3	044.6	001.7449	0084.0	026.3	55.48
289.0	001.5191	0258.6	032.1	044.6	001.7450	0084.0	026.9	55.07
290.0	001.4554	0259.3	031.8	044.6	001.7462	0084.0	027.6	54.67
291.0	001.4474	0259.8	031.8	044.2	001.7338	0084.0	028.1	54.32
292.0	001.4394	0260.2	031.7	043.8	001.7223	0083.9	028.6	53.97
293.0	001.4315	0260.7	031.7	043.4	001.7119	0083.8	029.1	53.63
294.0	001.4236	0261.1	031.7	043.1	001.7026	0083.7	029.6	53.30
295.0	001.4156	0261.3	031.7	042.8	001.6948	0083.6	030.2	52.97
296.0	001.4078	0261.4	031.6	042.5	001.6879	0083.5	030.7	52.65
297.0	001.3999	0261.6	031.6	042.3	001.6816	0083.4	031.2	52.35
298.0	001.3920	0261.8	031.6	042.1	001.6757	0083.3	031.8	52.05
299.0	001.3842	0262.1	031.6	041.9	001.6705	0083.2	032.3	51.77
300.0	001.3764	0262.3	031.5	041.7	001.6660	0083.0	032.9	51.50
301.0	001.3999	0262.5	031.7	041.3	001.6545	0082.7	033.4	51.20
302.0	001.4236	0262.3	031.8	041.0	001.6446	0082.4	033.9	50.90
303.0	001.4474	0262.0	031.9	040.6	001.6358	0082.1	034.4	50.61
304.0	001.4715	0261.7	032.0	040.3	001.6278	0081.9	035.0	50.32
305.0	001.4958	0261.6	032.1	040.1	001.6200	0081.6	035.5	50.03
306.0	001.5202	0261.7	032.3	039.8	001.6222	0081.4	036.1	49.77
307.0	001.5449	0261.8	032.4	039.5	001.6262	0081.1	036.6	49.52
308.0	001.5697	0262.0	032.5	039.3	001.6299	0080.9	037.2	49.26
309.0	001.5948	0262.3	032.7	039.0	001.6334	0080.7	037.8	49.01
310.0	001.6201	0262.5	032.8	038.8	001.6365	0080.5	038.3	48.76
311.0	001.6716	0262.6	033.1	038.5	001.6417	0080.2	038.9	48.49
312.0	001.7239	0262.4	033.3	038.2	001.6462	0079.9	039.5	48.23
313.0	001.7770	0262.4	033.5	037.9	001.6504	0079.6	040.1	47.97
314.0	001.8310	0262.5	033.8	037.6	001.6544	0079.2	040.7	47.70
315.0	001.8857	0262.7	034.0	037.4	001.6580	0078.9	041.3	47.44
316.0	001.9413	0262.6	034.2	037.2	001.6609	0078.7	041.9	47.18
317.0	001.9976	0262.3	034.4	037.1	001.6632	0078.5	042.6	46.92
318.0	002.0548	0262.1	034.6	036.9	001.6651	0078.3	043.2	46.67
319.0	002.1128	0262.0	034.8	036.8	001.6669	0078.2	043.8	46.42
320.0	002.1716	0261.9	035.0	036.7	001.6683	0078.0	044.5	46.17

01-30-2009 FCC NGDC 30 Sec Terrain Data

990716MB BPED19990716MB
Channel = 205A
Max ERP = 1.9 kW
RCAMSL = 172 M
N. Lat. 40 40 26.0
W. Lng. 74 33 06.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
020.0	001.9000	0061.7	017.0	279.8	002.1690	0257.5	044.0	57.33	
021.0	001.8871	0065.8	017.6	280.4	002.1256	0257.3	043.6	57.41	
022.0	001.8742	0069.3	018.0	280.8	002.0889	0257.3	043.2	57.50	
023.0	001.8614	0072.1	018.3	281.2	002.0629	0257.3	042.8	57.61	
024.0	001.8487	0074.3	018.6	281.4	002.0454	0257.3	042.4	57.73	
025.0	001.8359	0075.7	018.7	281.5	002.0380	0257.2	042.1	57.87	
026.0	001.8233	0076.4	018.8	281.5	002.0405	0257.2	041.7	58.02	
027.0	001.8106	0076.8	018.8	281.4	002.0482	0257.3	041.4	58.18	
028.0	001.7980	0077.4	018.8	281.3	002.0541	0257.3	041.1	58.34	
029.0	001.7855	0078.0	018.9	281.2	002.0607	0257.3	040.8	58.50	
030.0	001.7730	0077.8	018.8	281.0	002.0769	0257.3	040.5	58.66	
031.0	001.7572	0076.8	018.7	280.6	002.1058	0257.3	040.2	58.84	
032.0	001.7416	0075.6	018.5	280.2	002.1388	0257.4	040.0	59.01	
033.0	001.7260	0075.0	018.3	279.8	002.1635	0257.5	039.8	59.17	
034.0	001.7104	0075.1	018.3	279.6	002.1784	0257.5	039.5	59.33	
035.0	001.6950	0075.8	018.4	279.5	002.1875	0257.6	039.2	59.49	
036.0	001.6796	0077.0	018.5	279.4	002.1922	0257.6	038.8	59.66	
037.0	001.6642	0078.4	018.6	279.4	002.1949	0257.6	038.5	59.82	
038.0	001.6490	0079.7	018.7	279.3	002.2004	0257.7	038.2	59.99	
039.0	001.6338	0080.7	018.8	279.1	002.2096	0257.7	037.8	60.16	
040.0	001.6187	0081.6	018.9	279.0	002.2208	0257.8	037.5	60.34	
041.0	001.6458	0082.5	019.0	278.9	002.2223	0257.8	037.1	60.52	
042.0	001.6731	0083.2	019.2	278.9	002.2263	0257.8	036.8	60.70	
043.0	001.7007	0083.7	019.4	278.8	002.2342	0257.8	036.4	60.89	
044.0	001.7285	0083.9	019.5	278.6	002.2463	0257.9	036.1	61.07	
045.0	001.7565	0084.0	019.5	278.4	002.2617	0258.0	035.7	61.26	
046.0	001.7848	0084.0	019.6	278.2	002.2786	0258.1	035.4	61.45	
047.0	001.8132	0084.0	019.7	277.9	002.2954	0258.1	035.1	61.64	
048.0	001.8419	0084.0	019.8	277.6	002.3131	0258.2	034.8	61.82	
049.0	001.8709	0083.9	019.8	277.3	002.3341	0258.3	034.5	62.01	
050.0	001.9000	0083.7	019.9	277.0	002.3556	0258.3	034.2	62.20	
051.0	001.8822	0083.9	019.9	276.6	002.3874	0258.4	034.0	62.37	
052.0	001.8644	0084.2	019.9	276.2	002.4190	0258.4	033.7	62.54	
053.0	001.8468	0084.4	019.8	275.7	002.4519	0258.4	033.5	62.71	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
054.0	001.8292	0084.3	019.8	275.2	002.4873	0258.5	033.3	62.86
055.0	001.8117	0084.1	019.7	274.7	002.5000	0258.5	033.2	62.97
056.0	001.7944	0084.2	019.7	274.1	002.5000	0258.5	033.0	63.06
057.0	001.7770	0084.3	019.6	273.6	002.5000	0258.6	032.8	63.16
058.0	001.7598	0084.2	019.6	273.1	002.5000	0258.9	032.7	63.24
059.0	001.7427	0084.0	019.5	272.5	002.5000	0259.4	032.5	63.32
060.0	001.7256	0083.7	019.4	271.9	002.5000	0260.1	032.4	63.40
061.0	001.6557	0083.3	019.2	271.2	002.5000	0261.1	032.4	63.41
062.0	001.5873	0082.6	018.9	270.4	002.5000	0262.1	032.5	63.39
063.0	001.5202	0081.8	018.6	269.7	002.5000	0263.1	032.7	63.37
064.0	001.4547	0081.3	018.3	268.9	002.5000	0264.0	032.8	63.34
065.0	001.3906	0081.7	018.1	268.3	002.5000	0264.3	032.8	63.34
066.0	001.3279	0082.5	018.0	267.7	002.5000	0264.7	032.8	63.35
067.0	001.2667	0083.6	017.9	267.2	002.5000	0265.0	032.8	63.37
068.0	001.2069	0084.4	017.8	266.6	002.5000	0265.3	032.8	63.37
069.0	001.1486	0084.8	017.6	265.9	002.5000	0265.6	032.9	63.33
070.0	001.0917	0084.8	017.4	265.3	002.5000	0265.8	033.0	63.27
071.0	001.0472	0084.6	017.1	264.7	002.5000	0265.9	033.2	63.20
072.0	001.0037	0084.6	016.9	264.1	002.5000	0266.0	033.3	63.14
073.0	000.9610	0084.4	016.7	263.6	002.5000	0266.1	033.5	63.06
074.0	000.9193	0084.3	016.5	263.0	002.5000	0266.2	033.6	62.98
075.0	000.8786	0084.0	016.2	262.5	002.5000	0266.3	033.8	62.89
076.0	000.8387	0082.9	015.9	262.0	002.5000	0266.5	034.2	62.74
077.0	000.7998	0081.9	015.6	261.4	002.5000	0266.8	034.4	62.61
078.0	000.7618	0080.8	015.3	261.0	002.5000	0267.1	034.8	62.47
079.0	000.7247	0079.0	014.9	260.5	002.5000	0267.5	035.1	62.31
080.0	000.6886	0077.8	014.6	260.1	002.5000	0268.0	035.4	62.17
081.0	000.6605	0076.1	014.3	259.7	002.5000	0268.4	035.7	62.04
082.0	000.6330	0074.8	014.0	259.3	002.5000	0268.9	036.0	61.92
083.0	000.6061	0074.8	013.9	258.9	002.5000	0269.3	036.2	61.86
084.0	000.5798	0074.7	013.7	258.6	002.5000	0269.7	036.4	61.78
085.0	000.5540	0074.5	013.5	258.2	002.5000	0270.1	036.5	61.71
086.0	000.5289	0075.5	013.5	257.9	002.5000	0270.4	036.6	61.67
087.0	000.5043	0077.1	013.4	257.5	002.5000	0270.7	036.7	61.65
088.0	000.4803	0078.8	013.4	257.2	002.5000	0271.0	036.8	61.63
089.0	000.4569	0080.4	013.4	256.8	002.5000	0271.2	036.8	61.60
090.0	000.4341	0081.5	013.3	256.5	002.5000	0271.4	037.0	61.55
091.0	000.4165	0083.0	013.3	256.2	002.5000	0271.6	037.0	61.52
092.0	000.3992	0084.5	013.3	255.8	002.5000	0271.7	037.1	61.48
093.0	000.3824	0085.9	013.2	255.5	002.5000	0271.8	037.2	61.44
094.0	000.3658	0086.6	013.2	255.2	002.5000	0271.9	037.4	61.37
095.0	000.3497	0087.2	013.1	254.9	002.5000	0272.0	037.6	61.29
096.0	000.3339	0087.9	013.0	254.7	002.5000	0272.0	037.7	61.21
097.0	000.3185	0088.1	012.8	254.4	002.5000	0272.1	037.9	61.12
098.0	000.3034	0087.4	012.6	254.2	002.5000	0272.2	038.2	61.00
099.0	000.2887	0086.8	012.4	254.1	002.5000	0272.2	038.5	60.87
100.0	000.2744	0085.7	012.2	253.9	002.5000	0272.3	038.8	60.74
101.0	000.2632	0085.5	012.1	253.7	002.5000	0272.3	039.0	60.64
102.0	000.2523	0086.0	012.0	253.5	002.5000	0272.4	039.2	60.56
103.0	000.2416	0086.6	011.9	253.3	002.5000	0272.5	039.3	60.49
104.0	000.2312	0088.0	011.9	253.1	002.5000	0272.5	039.5	60.43

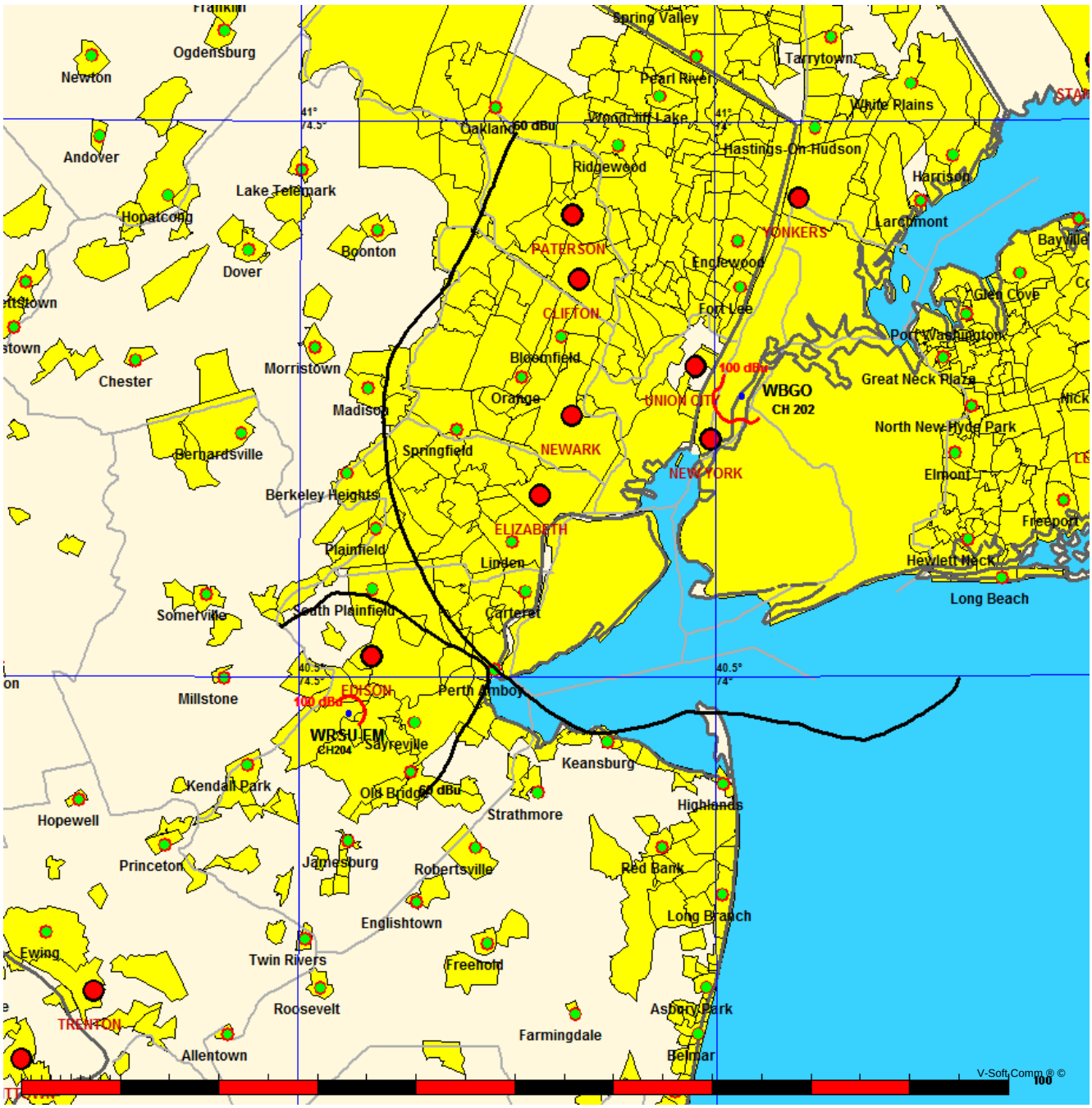
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
105.0	000.2209	0089.9	011.9	252.8	002.5000	0272.6	039.6	60.38
106.0	000.2109	0091.2	011.8	252.6	002.5000	0272.7	039.7	60.31
107.0	000.2012	0092.2	011.7	252.4	002.5000	0272.8	039.9	60.23
108.0	000.1917	0093.4	011.7	252.2	002.5000	0272.9	040.1	60.16
109.0	000.1824	0094.3	011.6	252.1	002.5000	0272.9	040.3	60.07
110.0	000.1733	0095.6	011.5	251.9	002.5000	0273.0	040.4	59.99
111.0	000.1662	0097.8	011.5	251.7	002.5000	0273.0	040.6	59.94
112.0	000.1593	0100.5	011.6	251.4	002.5000	0273.1	040.7	59.90
113.0	000.1526	0102.6	011.6	251.2	002.5000	0273.2	040.8	59.84
114.0	000.1460	0103.7	011.5	251.1	002.5000	0273.2	041.0	59.76
115.0	000.1395	0104.0	011.4	251.0	002.5000	0273.3	041.2	59.66
116.0	000.1332	0103.8	011.3	250.9	002.5000	0273.3	041.4	59.56
117.0	000.1271	0103.5	011.1	250.9	002.5000	0273.3	041.7	59.46
118.0	000.1210	0103.8	011.0	250.8	002.5000	0273.3	041.9	59.36
119.0	000.1152	0104.6	010.9	250.7	002.5000	0273.3	042.1	59.27
120.0	000.1094	0105.4	010.8	250.7	002.5000	0273.4	042.3	59.18
121.0	000.1050	0105.5	010.7	250.6	002.5000	0273.4	042.5	59.09
122.0	000.1007	0105.0	010.6	250.6	002.5000	0273.4	042.7	58.99
123.0	000.0964	0104.1	010.4	250.6	002.5000	0273.4	043.0	58.89
124.0	000.0923	0103.4	010.3	250.6	002.5000	0273.4	043.2	58.79
125.0	000.0882	0103.2	010.2	250.6	002.5000	0273.4	043.4	58.70
126.0	000.0843	0103.8	010.1	250.6	002.5000	0273.4	043.6	58.61
127.0	000.0804	0104.7	010.0	250.5	002.5000	0273.4	043.8	58.53
128.0	000.0766	0105.3	009.9	250.5	002.5000	0273.4	044.0	58.45
129.0	000.0729	0105.6	009.8	250.5	002.5000	0273.4	044.2	58.37
130.0	000.0693	0105.1	009.7	250.5	002.5000	0273.4	044.4	58.27
131.0	000.0684	0104.4	009.6	250.5	002.5000	0273.4	044.6	58.20
132.0	000.0674	0103.7	009.5	250.5	002.5000	0273.4	044.8	58.12
133.0	000.0665	0103.3	009.5	250.4	002.5000	0273.4	045.0	58.05
134.0	000.0656	0103.4	009.5	250.4	002.5000	0273.5	045.1	57.99
135.0	000.0647	0103.8	009.4	250.3	002.5000	0273.5	045.3	57.92
136.0	000.0638	0104.5	009.4	250.2	002.5000	0273.5	045.4	57.86
137.0	000.0629	0105.0	009.4	250.1	002.5000	0273.5	045.6	57.80
138.0	000.0620	0105.4	009.4	250.1	002.5000	0273.6	045.7	57.73
139.0	000.0611	0105.4	009.4	250.0	002.5000	0273.6	045.9	57.66
140.0	000.0602	0105.1	009.3	250.0	002.5000	0273.6	046.1	57.59

Allocation Study
Newark Public Radio Inc.

FMCommander Single Allocation Study - 01-30-2009 - FCC NGDC 30 Sec
WBGO's Overlaps (In= 12.12 km, Out= 36.11 km)

WBGO CH 202 B1 DA
Lat= 40 45 08.0, Lng= 73 58 04.0
2.5 kW 264.8 M HAAT, 279.5 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WRSU-FM CH 204 A BLED1206
Lat= 40 28 00.0, Lng= 74 26 15.0
1.35 kW 38 M HAAT, 62 M COR
Prot.= 60 dBu, Intef.= 100 dBu



01-30-2009 FCC NGDC 30 Sec Terrain Data FMOver Analysis

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Protected
60 dBu

WRSU-FM BLED1206
Channel = 204A
Max ERP = 1.35 kW
RCAMSL = 62 M
N. Lat. 40 28 00.0
W. Lng. 74 26 15.0
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
171.0	001.6350	0267.4	033.2	091.2	001.3500	0040.7	044.9	40.38	
172.0	001.6056	0267.3	033.0	091.1	001.3500	0040.7	044.3	40.57	
173.0	001.5765	0267.1	032.9	091.0	001.3500	0040.8	043.7	40.76	
174.0	001.5476	0266.9	032.7	090.9	001.3500	0040.9	043.2	40.95	
175.0	001.5191	0266.8	032.6	090.8	001.3500	0041.0	042.6	41.15	
176.0	001.4907	0266.7	032.4	090.7	001.3500	0041.1	042.0	41.36	
177.0	001.4627	0266.8	032.3	090.6	001.3500	0041.2	041.4	41.56	
178.0	001.4349	0266.8	032.1	090.4	001.3500	0041.3	040.9	41.77	
179.0	001.4074	0266.9	032.0	090.2	001.3500	0041.4	040.3	41.99	
180.0	001.3801	0266.6	031.8	090.0	001.3500	0041.6	039.7	42.21	
181.0	001.3883	0265.9	031.8	090.0	001.3500	0041.6	039.2	42.41	
182.0	001.3965	0265.2	031.8	090.0	001.3500	0041.6	038.6	42.60	
183.0	001.4048	0264.3	031.8	089.9	001.3500	0041.6	038.1	42.81	
184.0	001.4130	0263.5	031.8	089.9	001.3500	0041.7	037.5	43.02	
185.0	001.4213	0263.2	031.8	089.9	001.3500	0041.7	037.0	43.23	
186.0	001.4296	0263.4	031.9	089.9	001.3500	0041.7	036.4	43.44	
187.0	001.4379	0263.7	031.9	089.9	001.3500	0041.7	035.8	43.65	
188.0	001.4463	0263.8	032.0	089.8	001.3500	0041.7	035.3	43.87	
189.0	001.4547	0263.8	032.0	089.8	001.3500	0041.8	034.7	44.10	
190.0	001.4631	0263.3	032.1	089.6	001.3500	0041.9	034.2	44.33	
191.0	001.5272	0263.7	032.4	090.1	001.3500	0041.5	033.6	44.51	
192.0	001.5928	0265.1	032.8	090.6	001.3500	0041.2	032.9	44.69	
193.0	001.6597	0266.7	033.2	091.1	001.3500	0040.8	032.3	44.88	
194.0	001.7281	0267.9	033.6	091.6	001.3500	0040.4	031.6	45.08	
195.0	001.7978	0268.7	034.0	091.9	001.3500	0040.1	031.0	45.31	
196.0	001.8688	0268.9	034.3	092.3	001.3500	0039.9	030.3	45.57	
197.0	001.9413	0269.1	034.6	092.6	001.3500	0039.6	029.7	45.86	
198.0	002.0151	0269.9	034.9	092.9	001.3500	0039.4	029.0	46.16	
199.0	002.0903	0271.2	035.3	093.3	001.3500	0039.1	028.3	46.48	
200.0	002.1669	0272.9	035.7	093.7	001.3500	0038.7	027.6	46.80	
201.0	002.2326	0274.6	036.0	094.0	001.3500	0038.4	026.9	47.17	
202.0	002.2992	0276.1	036.3	094.2	001.3500	0038.2	026.2	47.56	
203.0	002.3620	0277.4	036.6	094.4	001.3500	0038.0	025.5	47.98	
204.0	002.4305	0278.3	036.9	094.5	001.3500	0037.9	024.9	48.42	
205.0	002.5000	0278.8	037.1	094.5	001.3500	0037.9	024.2	48.90	
206.0	002.5000	0279.0	037.1	094.0	001.3500	0038.4	023.6	49.45	
207.0	002.5000	0279.0	037.1	093.4	001.3500	0039.0	023.0	50.03	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
208.0	002.5000	0278.8	037.1	092.7	001.3500	0039.5	022.4	50.59
209.0	002.5000	0278.6	037.1	091.9	001.3500	0040.1	021.8	51.17
210.0	002.5000	0278.4	037.1	091.1	001.3500	0040.8	021.2	51.75
211.0	002.5000	0278.1	037.1	090.2	001.3500	0041.5	020.7	52.34
212.0	002.5000	0277.8	037.1	089.2	001.3500	0042.3	020.1	52.95
213.0	002.5000	0277.3	037.0	088.1	001.3500	0043.1	019.6	53.56
214.0	002.5000	0276.8	037.0	086.9	001.3500	0044.0	019.1	54.18
215.0	002.5000	0276.2	037.0	085.6	001.3500	0045.1	018.6	54.80
216.0	002.5000	0275.4	036.9	084.1	001.3500	0046.3	018.2	55.44
217.0	002.5000	0274.5	036.9	082.6	001.3500	0047.9	017.7	56.14
218.0	002.5000	0273.9	036.8	081.0	001.3500	0049.6	017.3	56.84
219.0	002.5000	0273.7	036.8	079.4	001.3500	0051.8	016.9	57.61
220.0	002.5000	0274.0	036.9	077.7	001.3500	0053.7	016.5	58.30
221.0	002.5000	0274.7	036.9	076.0	001.3500	0054.6	016.1	58.82
222.0	002.5000	0275.6	036.9	074.2	001.3500	0055.4	015.7	59.30
223.0	002.5000	0276.4	037.0	072.2	001.3500	0055.4	015.3	59.63
224.0	002.5000	0276.8	037.0	070.1	001.3500	0054.1	015.0	59.47
225.0	002.5000	0277.0	037.0	067.8	001.3500	0051.6	014.7	59.36
226.0	002.5000	0277.1	037.0	065.5	001.3500	0048.4	014.4	59.06
227.0	002.5000	0277.2	037.0	063.0	001.3500	0045.2	014.2	58.67
228.0	002.5000	0277.3	037.0	060.5	001.3500	0042.8	014.1	58.38
229.0	002.5000	0277.4	037.1	057.9	001.3500	0040.2	014.0	57.96
230.0	002.5000	0277.5	037.1	055.2	001.3500	0037.7	013.9	57.50
231.0	002.5000	0277.6	037.1	052.6	001.3500	0036.3	013.8	57.24
232.0	002.5000	0277.7	037.1	049.9	001.3500	0035.2	013.8	56.99
233.0	002.5000	0277.7	037.1	047.2	001.3500	0034.2	013.9	56.70
234.0	002.5000	0277.7	037.1	044.6	001.3500	0032.9	014.0	56.27
235.0	002.5000	0277.5	037.1	042.0	001.3500	0032.1	014.1	55.92
236.0	002.5000	0277.2	037.0	039.5	001.3500	0032.0	014.3	55.66
237.0	002.5000	0276.7	037.0	037.1	001.3500	0032.0	014.5	55.38
238.0	002.5000	0276.1	037.0	034.8	001.3500	0032.0	014.8	55.07
239.0	002.5000	0275.5	036.9	032.6	001.3500	0032.2	015.1	54.82
240.0	002.5000	0275.0	036.9	030.5	001.3500	0032.6	015.4	54.64
241.0	002.5000	0274.5	036.9	028.5	001.3500	0032.8	015.8	54.39
242.0	002.5000	0274.2	036.9	026.6	001.3500	0033.0	016.1	54.10
243.0	002.5000	0273.9	036.8	024.8	001.3500	0033.2	016.5	53.83
244.0	002.5000	0273.8	036.8	023.1	001.3500	0033.5	016.9	53.53
245.0	002.5000	0273.7	036.8	021.6	001.3500	0033.5	017.4	53.19
246.0	002.5000	0273.8	036.8	020.1	001.3500	0033.7	017.8	52.85
247.0	002.5000	0273.8	036.8	018.7	001.3500	0034.0	018.3	52.54
248.0	002.5000	0273.9	036.8	017.4	001.3500	0034.2	018.8	52.17
249.0	002.5000	0273.8	036.8	016.2	001.3500	0034.1	019.3	51.74
250.0	002.5000	0273.6	036.8	015.1	001.3500	0034.1	019.8	51.32
251.0	002.5000	0273.3	036.8	014.1	001.3500	0034.2	020.4	50.90
252.0	002.5000	0272.9	036.8	013.2	001.3500	0034.2	020.9	50.46
253.0	002.5000	0272.6	036.8	012.4	001.3500	0034.3	021.5	50.05
254.0	002.5000	0272.2	036.7	011.6	001.3500	0034.6	022.1	49.69
255.0	002.5000	0272.0	036.7	010.9	001.3500	0035.1	022.6	49.37
256.0	002.5000	0271.6	036.7	010.3	001.3500	0035.6	023.2	49.04
257.0	002.5000	0271.1	036.7	009.7	001.3500	0035.9	023.8	48.68
258.0	002.5000	0270.4	036.6	009.2	001.3500	0036.1	024.4	48.29

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
259.0	002.5000	0269.3	036.6	008.9	001.3500	0036.1	025.1	47.88
260.0	002.5000	0268.1	036.5	008.5	001.3500	0036.1	025.7	47.46
261.0	002.5000	0267.1	036.4	008.2	001.3500	0036.1	026.3	47.05
262.0	002.5000	0266.5	036.4	007.9	001.3500	0036.1	026.9	46.66
263.0	002.5000	0266.2	036.4	007.6	001.3500	0036.1	027.5	46.29
264.0	002.5000	0266.1	036.4	007.3	001.3500	0036.1	028.2	45.93
265.0	002.5000	0265.8	036.4	007.0	001.3500	0036.1	028.8	45.58
266.0	002.5000	0265.6	036.4	006.8	001.3500	0036.1	029.4	45.24
267.0	002.5000	0265.1	036.3	006.6	001.3500	0036.1	030.0	44.92
268.0	002.5000	0264.5	036.3	006.5	001.3500	0036.1	030.7	44.61
269.0	002.5000	0263.9	036.3	006.4	001.3500	0036.1	031.3	44.32
270.0	002.5000	0262.6	036.2	006.4	001.3500	0036.1	031.9	44.05
271.0	002.5000	0261.3	036.1	006.4	001.3500	0036.1	032.6	43.79
272.0	002.5000	0260.0	036.0	006.5	001.3500	0036.1	033.2	43.54
273.0	002.5000	0258.9	036.0	006.5	001.3500	0036.1	033.9	43.30
274.0	002.5000	0258.5	035.9	006.5	001.3500	0036.1	034.5	43.05
275.0	002.5000	0258.5	035.9	006.4	001.3500	0036.1	035.1	42.82
276.0	002.4305	0258.4	035.7	006.8	001.3500	0036.1	035.7	42.58
277.0	002.3571	0258.3	035.5	007.1	001.3500	0036.1	036.4	42.35
278.0	002.2896	0258.1	035.2	007.5	001.3500	0036.1	037.0	42.12
279.0	002.2184	0257.8	035.0	007.9	001.3500	0036.1	037.6	41.90
280.0	002.1530	0257.4	034.7	008.3	001.3500	0036.1	038.2	41.69
281.0	002.0771	0257.3	034.4	008.8	001.3500	0036.1	038.8	41.48
282.0	002.0026	0257.2	034.1	009.2	001.3500	0036.1	039.4	41.27
283.0	001.9294	0257.0	033.8	009.7	001.3500	0035.9	039.9	41.05
284.0	001.8576	0256.8	033.5	010.2	001.3500	0035.6	040.5	40.81
285.0	001.7872	0256.7	033.2	010.7	001.3500	0035.3	041.1	40.56
286.0	001.7181	0256.8	032.9	011.1	001.3500	0034.9	041.6	40.32
287.0	001.6504	0257.3	032.6	011.6	001.3500	0034.6	042.2	40.09
288.0	001.5840	0257.9	032.3	012.1	001.3500	0034.4	042.7	39.89
289.0	001.5191	0258.6	032.1	012.5	001.3500	0034.3	043.2	39.70
290.0	001.4554	0259.3	031.8	013.0	001.3500	0034.2	043.8	39.54
291.0	001.4474	0259.8	031.8	013.1	001.3500	0034.2	044.3	39.38

01-30-2009 FCC NGDC 30 Sec Terrain Data

WRSU-FM BLED1206
Channel = 204A
Max ERP = 1.35 kW
RCAMSL = 62 M
N. Lat. 40 28 00.0
W. Lng. 74 26 15.0
Protected
60 dBu

WBGO
Channel = 202B1
Max ERP = 2.5 kW
RCAMSL = 279.5 M
N. Lat. 40 45 08.0
W. Lng. 73 58 04.0
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
351.0	001.3500	0036.7	011.9	244.5	002.5000	0273.7	046.0	57.62	
352.0	001.3500	0037.0	012.0	244.5	002.5000	0273.8	045.8	57.71	
353.0	001.3500	0037.3	012.0	244.4	002.5000	0273.8	045.6	57.79	
354.0	001.3500	0037.5	012.1	244.4	002.5000	0273.8	045.4	57.88	
355.0	001.3500	0037.2	012.0	244.2	002.5000	0273.8	045.2	57.96	
356.0	001.3500	0036.9	012.0	244.1	002.5000	0273.8	045.0	58.03	
357.0	001.3500	0036.5	011.9	243.9	002.5000	0273.8	044.9	58.10	
358.0	001.3500	0036.2	011.9	243.8	002.5000	0273.8	044.7	58.18	
359.0	001.3500	0036.2	011.9	243.6	002.5000	0273.8	044.5	58.26	
000.0	001.3500	0036.2	011.9	243.5	002.5000	0273.8	044.3	58.34	
001.0	001.3500	0036.2	011.9	243.4	002.5000	0273.9	044.1	58.41	
002.0	001.3500	0036.2	011.9	243.3	002.5000	0273.9	043.9	58.49	
003.0	001.3500	0036.2	011.9	243.1	002.5000	0273.9	043.8	58.57	
004.0	001.3500	0036.2	011.9	243.0	002.5000	0273.9	043.6	58.65	
005.0	001.3500	0036.2	011.9	242.9	002.5000	0274.0	043.4	58.72	
006.0	001.3500	0036.2	011.9	242.7	002.5000	0274.0	043.2	58.80	
007.0	001.3500	0036.1	011.9	242.5	002.5000	0274.1	043.1	58.87	
008.0	001.3500	0036.1	011.9	242.4	002.5000	0274.1	042.9	58.95	
009.0	001.3500	0036.1	011.9	242.2	002.5000	0274.2	042.7	59.02	
010.0	001.3500	0035.7	011.8	242.0	002.5000	0274.2	042.6	59.08	
011.0	001.3500	0035.0	011.7	241.7	002.5000	0274.3	042.5	59.12	
012.0	001.3500	0034.4	011.6	241.4	002.5000	0274.4	042.4	59.16	
013.0	001.3500	0034.2	011.6	241.2	002.5000	0274.5	042.3	59.22	
014.0	001.3500	0034.2	011.6	241.0	002.5000	0274.5	042.2	59.29	
015.0	001.3500	0034.1	011.6	240.8	002.5000	0274.6	042.0	59.35	
016.0	001.3500	0034.1	011.5	240.6	002.5000	0274.7	041.9	59.41	
017.0	001.3500	0034.1	011.6	240.4	002.5000	0274.8	041.7	59.48	
018.0	001.3500	0034.1	011.6	240.2	002.5000	0274.9	041.6	59.54	
019.0	001.3500	0034.0	011.5	240.0	002.5000	0275.0	041.5	59.60	
020.0	001.3500	0033.7	011.5	239.7	002.5000	0275.1	041.4	59.65	
021.0	001.3500	0033.6	011.5	239.5	002.5000	0275.2	041.3	59.70	
022.0	001.3500	0033.5	011.5	239.3	002.5000	0275.4	041.2	59.75	
023.0	001.3500	0033.5	011.5	239.1	002.5000	0275.5	041.0	59.81	
024.0	001.3500	0033.4	011.4	238.8	002.5000	0275.6	040.9	59.86	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
025.0	001.3500	0033.2	011.4	238.6	002.5000	0275.8	040.9	59.90
026.0	001.3500	0033.1	011.4	238.3	002.5000	0275.9	040.8	59.95
027.0	001.3500	0032.9	011.4	238.1	002.5000	0276.1	040.7	59.99
028.0	001.3500	0032.8	011.4	237.8	002.5000	0276.3	040.6	60.03
029.0	001.3500	0032.8	011.3	237.6	002.5000	0276.4	040.5	60.08
030.0	001.3500	0032.7	011.3	237.3	002.5000	0276.6	040.4	60.12
031.0	001.3500	0032.5	011.3	237.0	002.5000	0276.7	040.4	60.15
032.0	001.3500	0032.3	011.3	236.8	002.5000	0276.9	040.3	60.18
033.0	001.3500	0032.1	011.2	236.5	002.5000	0277.0	040.3	60.21
034.0	001.3500	0032.0	011.2	236.2	002.5000	0277.1	040.2	60.24
035.0	001.3500	0032.0	011.2	236.0	002.5000	0277.2	040.1	60.28
036.0	001.3500	0032.0	011.2	235.7	002.5000	0277.3	040.1	60.31
037.0	001.3500	0032.0	011.2	235.4	002.5000	0277.4	040.0	60.34
038.0	001.3500	0032.0	011.2	235.2	002.5000	0277.5	039.9	60.37
039.0	001.3500	0032.0	011.2	234.9	002.5000	0277.6	039.9	60.40
040.0	001.3500	0032.0	011.2	234.6	002.5000	0277.6	039.8	60.42
041.0	001.3500	0032.0	011.2	234.3	002.5000	0277.7	039.8	60.45
042.0	001.3500	0032.1	011.3	234.1	002.5000	0277.7	039.7	60.47
043.0	001.3500	0032.3	011.3	233.8	002.5000	0277.7	039.7	60.50
044.0	001.3500	0032.7	011.3	233.5	002.5000	0277.7	039.6	60.54
045.0	001.3500	0033.1	011.4	233.3	002.5000	0277.7	039.5	60.58
046.0	001.3500	0033.6	011.5	233.0	002.5000	0277.7	039.4	60.63
047.0	001.3500	0034.1	011.5	232.7	002.5000	0277.7	039.3	60.67
048.0	001.3500	0034.6	011.6	232.4	002.5000	0277.7	039.2	60.71
049.0	001.3500	0035.0	011.7	232.1	002.5000	0277.7	039.1	60.75
050.0	001.3500	0035.2	011.7	231.8	002.5000	0277.6	039.1	60.77
051.0	001.3500	0035.6	011.8	231.5	002.5000	0277.6	039.0	60.79
052.0	001.3500	0036.0	011.8	231.2	002.5000	0277.6	039.0	60.82
053.0	001.3500	0036.5	011.9	230.9	002.5000	0277.6	038.9	60.85
054.0	001.3500	0037.0	012.0	230.6	002.5000	0277.5	038.8	60.88
055.0	001.3500	0037.5	012.1	230.3	002.5000	0277.5	038.8	60.91
056.0	001.3500	0038.2	012.2	230.0	002.5000	0277.5	038.7	60.95
057.0	001.3500	0039.2	012.3	229.6	002.5000	0277.5	038.6	61.00
058.0	001.3500	0040.3	012.5	229.3	002.5000	0277.4	038.4	61.06
059.0	001.3500	0041.4	012.7	228.9	002.5000	0277.4	038.3	61.12
060.0	001.3500	0042.4	012.8	228.5	002.5000	0277.4	038.2	61.17
061.0	001.3500	0043.3	012.9	228.2	002.5000	0277.3	038.1	61.20
062.0	001.3500	0044.1	013.1	227.8	002.5000	0277.3	038.0	61.23
063.0	001.3500	0045.2	013.2	227.4	002.5000	0277.3	037.9	61.28
064.0	001.3500	0046.4	013.4	227.0	002.5000	0277.2	037.8	61.33
065.0	001.3500	0047.8	013.6	226.5	002.5000	0277.2	037.7	61.38
066.0	001.3500	0049.2	013.8	226.1	002.5000	0277.1	037.6	61.43
067.0	001.3500	0050.6	014.0	225.6	002.5000	0277.1	037.5	61.48
068.0	001.3500	0051.8	014.2	225.2	002.5000	0277.1	037.4	61.51
069.0	001.3500	0053.0	014.4	224.7	002.5000	0277.0	037.4	61.53
070.0	001.3500	0054.0	014.5	224.3	002.5000	0276.9	037.4	61.54
071.0	001.3500	0054.9	014.6	223.9	002.5000	0276.8	037.4	61.53
072.0	001.3500	0055.4	014.7	223.5	002.5000	0276.6	037.4	61.50
073.0	001.3500	0055.5	014.7	223.1	002.5000	0276.5	037.5	61.44
074.0	001.3500	0055.4	014.7	222.8	002.5000	0276.2	037.7	61.37
075.0	001.3500	0055.1	014.6	222.5	002.5000	0276.0	037.9	61.28

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
076.0	001.3500	0054.6	014.6	222.2	002.5000	0275.8	038.0	61.18
077.0	001.3500	0054.1	014.5	222.0	002.5000	0275.6	038.2	61.08
078.0	001.3500	0053.5	014.4	221.8	002.5000	0275.4	038.5	60.97
079.0	001.3500	0052.4	014.3	221.6	002.5000	0275.2	038.7	60.84
080.0	001.3500	0051.0	014.1	221.5	002.5000	0275.1	039.0	60.70
081.0	001.3500	0049.6	013.9	221.4	002.5000	0275.1	039.4	60.56
082.0	001.3500	0048.5	013.7	221.3	002.5000	0275.0	039.6	60.42
083.0	001.3500	0047.5	013.6	221.2	002.5000	0274.9	039.9	60.30
084.0	001.3500	0046.4	013.4	221.1	002.5000	0274.8	040.2	60.17
085.0	001.3500	0045.5	013.3	221.0	002.5000	0274.7	040.4	60.05
086.0	001.3500	0044.7	013.2	220.8	002.5000	0274.6	040.7	59.94
087.0	001.3500	0043.9	013.0	220.7	002.5000	0274.5	040.9	59.82
088.0	001.3500	0043.2	012.9	220.6	002.5000	0274.4	041.2	59.71
089.0	001.3500	0042.4	012.8	220.6	002.5000	0274.3	041.4	59.60
090.0	001.3500	0041.6	012.7	220.5	002.5000	0274.3	041.7	59.49
091.0	001.3500	0040.8	012.6	220.4	002.5000	0274.2	041.9	59.38
092.0	001.3500	0040.1	012.5	220.3	002.5000	0274.2	042.2	59.27
093.0	001.3500	0039.3	012.3	220.3	002.5000	0274.1	042.4	59.17
094.0	001.3500	0038.4	012.2	220.3	002.5000	0274.1	042.7	59.06
095.0	001.3500	0037.5	012.1	220.3	002.5000	0274.1	042.9	58.95
096.0	001.3500	0036.7	011.9	220.2	002.5000	0274.1	043.1	58.84
097.0	001.3500	0036.0	011.8	220.2	002.5000	0274.1	043.4	58.74
098.0	001.3500	0035.4	011.7	220.1	002.5000	0274.1	043.6	58.64
099.0	001.3500	0034.7	011.6	220.1	002.5000	0274.0	043.8	58.55
100.0	001.3500	0034.2	011.6	220.1	002.5000	0274.0	044.0	58.45
101.0	001.3500	0033.7	011.5	220.0	002.5000	0274.0	044.3	58.36
102.0	001.3500	0033.2	011.4	220.0	002.5000	0274.0	044.5	58.27
103.0	001.3500	0032.6	011.3	220.0	002.5000	0274.0	044.7	58.18
104.0	001.3500	0032.2	011.3	219.9	002.5000	0274.0	044.9	58.09
105.0	001.3500	0032.0	011.2	219.9	002.5000	0273.9	045.1	58.01
106.0	001.3500	0032.0	011.2	219.8	002.5000	0273.9	045.3	57.94
107.0	001.3500	0032.0	011.2	219.7	002.5000	0273.8	045.4	57.86
108.0	001.3500	0032.0	011.2	219.6	002.5000	0273.8	045.6	57.78
109.0	001.3500	0032.0	011.2	219.5	002.5000	0273.8	045.8	57.70
110.0	001.3500	0032.0	011.2	219.4	002.5000	0273.7	046.0	57.63
111.0	001.3500	0032.0	011.2	219.3	002.5000	0273.7	046.2	57.55