

WWNJ - Move to Tower 1044747 Mercer County Community College CH# 216A - 91.1 MHz, Pwr= 5.8 kW DA, HAAT= 97 M, COR= 105.7 M Average Protected F(50-50)= 27.64 km Standard Directional											
REFERENCE										DISPLAY DATES	
39 59 48.6 N.										DATA 09-17-12	
74 10 22.5 W.										SEARCH 09-17-12	
CH CITY	CALL	TYPE STATE	ANT --	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
216B	WWNJ	LIC DEX		110.0	9.15	39 58 07.0	50.000	85.9	21.7	-105.6*	-99.7*
	Toms River Township NJ			290.1	BMLED20071025AAS	74 04 19.0	46	50	Mercer County Community Co		
06 1C	WPVI-TV	AP _HN		273.7	91.05	40 02 39.0	62.900	5.4	102.4	107.9R	-16.8M**
	Philadelphia	PA		93.0	BDSTA20120724AED	75 14 26.0	332	404	Abc, Inc.		
06 1C	WPVI-TV	AP _CY		273.5	91.20	40 02 33.0	62.900	5.4	101.9	107.3R	-16.1M**
	Philadelphia	PA		92.8	BDSTA20120619ABX	75 14 33.0	330	395	Abc, Inc.		
06 1C	WPVI-TV	AP _CY		273.5	91.20	40 02 33.0	62.900	5.4	101.9	107.3R	-16.1M**
	Philadelphia	PA		92.8	BPCDT20120604AEC	75 14 33.0	330	395	Abc, Inc.		
06 1C	WPVI-TV	LI _CY		273.5	91.20	40 02 33.0	34.000	5.4	95.3	100.8R	-9.6M**
	Philadelphia	PA		92.8	BLCDT20111019ACJ	75 14 33.0	330	395	Abc, Inc.		
216A	WFMU	LIC _CX		355.5	88.30	40 47 19.0	1.250	76.7	26.1	0.0	22.3
	East Orange	NJ		175.4	BMLED20050408ACI	74 15 20.0	151	217	Auricle Communications		
215B	WHYY-FM	LIC _CX		273.5	90.99	40 02 30.0	13.500	78.0	53.1	0.3	19.0
	Philadelphia	PA		92.8	BMLED20040817AAX	75 14 24.0	280	347	whyy, Inc.		
219A	WLNJ	LIC DEX		287.7	26.45	40 04 07.0	3.500	2.0	19.4	12.0	5.9
	Lakehurst	NJ		107.5	BLED20120118ABO	74 28 09.0	49	84	WYRS Broadcasting		
06 1E	WEDY	LI _HN		35.4	182.51	41 19 42.0	0.400	5.4	95.3	176.5R	6.0M
	New Haven	CT		216.2	BLEDT20060906ABJ	72 54 25.0	88	131	Connecticut Public Broadca		
214B1	WYRS	LIC DEX		194.4	40.96	39 38 24.0	15.000	3.3	29.7	10.9	8.4
	Manahawkin	NJ		14.4	BLED20070619ABP	74 17 32.0	80	89	WYRS Broadcasting		
217B1	WRTQ	LIC DEX		214.5	90.99	39 19 14.0	13.500	56.3	37.3	11.3	21.8
	Ocean City	NJ		34.1	BLED20071009AIT	74 46 18.0	120	129	Temple University Of The C		
213A	WBJB-FM	LIC DCN		5.4	36.30	40 19 19.0	0.900	1.6	19.1	22.9	16.2
	Lincroft	NJ		185.4	BLED19981123KD	74 07 57.0	113	140	Brookdale Community Colleg		
217A	WTSR	LIC _CN		300.7	60.09	40 16 17.0	1.500	16.8	11.6	31.2	30.6
	Trenton	NJ		120.3	BLED1325	74 46 55.0	11	56	The College Of Nj Radio Sy		
216B	WSHU-FM	LIC DCX		30.0	165.10	41 16 45.0	20.000	117.8	43.7	32.1	65.9
	Fairfield	CT		210.6	BLED20041215AAF	73 11 09.0	190	274	Sacred Heart University, I		

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= - Zone 1, Co to 3rd adjacent.
 All separation margins (if shown) include rounding
 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.
 « = Station meets FCC minimum distance spacing for its class.
 ** See Exhibit #21.

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 "A" character appended to the call sign means the station has been "max-classed" according to the provisions of section 73.525 of the Rules.

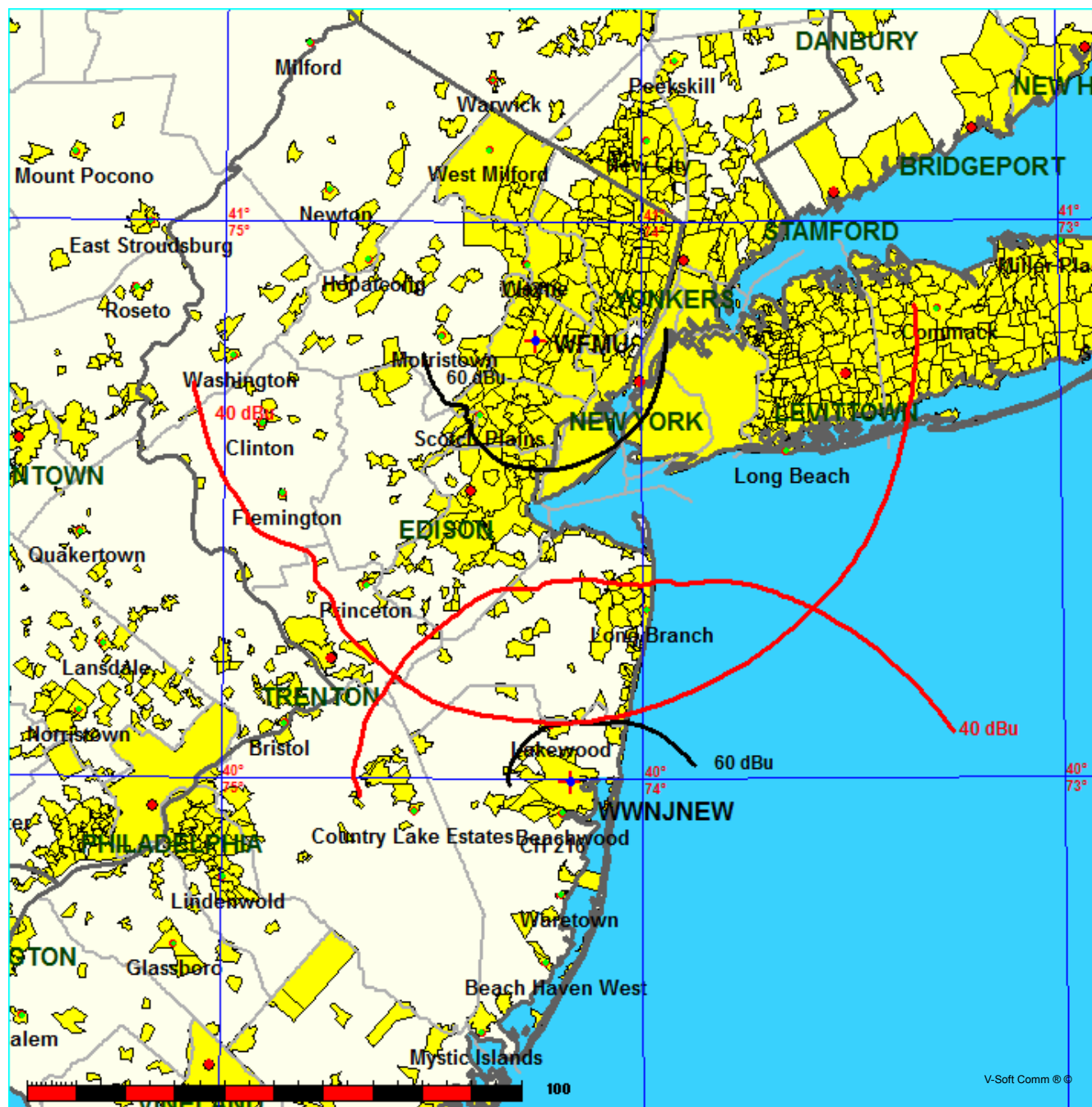
The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will 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.

WWNJNew vs. WFMU
Mercer County Community College

FMCommander Single Allocation Study - 09-17-2012 - FCC NGDC 30 Sec
WWNJNEW's Overlaps (In= 0.0 km, Out= 22.29 km)

WWNJNEW CH 216 A DA
Lat= 39 59 48.6, Lng= 74 10 22.5
5.8 kW 97 M HAAT, 105.7 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WFMU CH 216 A BMLED20050408ACI
Lat= 40 47 19.0, Lng= 74 15 20.0
1.25 kW 151 M HAAT, 217 M COR
Prot.= 60 dBu, Intef.= 40 dBu



09-17-2012

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WWNJNEW

WFMU BMLED20050408ACI

Channel = 216A
 Max ERP = 5.8 kW
 RCAMSL = 105.7 M
 N. Lat. 39 59 48.6
 W. Lng. 74 10 22.5
 Protected
 60 dBu

Channel = 216A
 Max ERP = 1.25 kW
 RCAMSL = 217 M
 N. Lat. 40 47 19.0
 W. Lng. 74 15 20.0
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
295.0	000.2951	0080.8	012.1	182.7	001.2500	0178.7	083.0	37.69	
296.0	000.2946	0080.5	012.1	182.7	001.2500	0178.7	082.8	37.75	
297.0	000.2941	0080.4	012.1	182.6	001.2500	0178.7	082.6	37.81	
298.0	000.2936	0080.4	012.0	182.5	001.2500	0178.7	082.4	37.87	
299.0	000.2930	0080.4	012.0	182.5	001.2500	0178.7	082.3	37.93	
300.0	000.2925	0080.4	012.0	182.4	001.2500	0178.7	082.1	37.99	
301.0	000.2925	0080.4	012.0	182.3	001.2500	0178.7	081.9	38.05	
302.0	000.2925	0080.4	012.0	182.2	001.2500	0178.7	081.7	38.11	
303.0	000.2925	0080.5	012.0	182.2	001.2500	0178.7	081.5	38.16	
304.0	000.2925	0080.5	012.0	182.1	001.2500	0178.7	081.3	38.22	
305.0	000.2925	0080.5	012.0	182.0	001.2500	0178.7	081.2	38.28	
306.0	000.2925	0080.4	012.0	181.9	001.2500	0178.7	081.0	38.33	
307.0	000.2925	0080.2	012.0	181.8	001.2500	0178.7	080.8	38.38	
308.0	000.2925	0079.9	012.0	181.7	001.2500	0178.7	080.7	38.43	
309.0	000.2925	0079.5	012.0	181.6	001.2500	0178.7	080.5	38.48	
310.0	000.2925	0079.0	011.9	181.5	001.2500	0178.7	080.4	38.53	
311.0	000.2925	0078.5	011.9	181.4	001.2500	0178.7	080.2	38.57	
312.0	000.2925	0078.0	011.9	181.3	001.2500	0178.7	080.1	38.61	
313.0	000.2925	0077.6	011.8	181.2	001.2500	0178.7	080.0	38.66	
314.0	000.2925	0077.3	011.8	181.1	001.2500	0178.8	079.8	38.71	
315.0	000.2925	0077.1	011.8	181.0	001.2500	0178.9	079.7	38.76	
316.0	000.2925	0077.0	011.8	180.9	001.2500	0179.1	079.5	38.81	
317.0	000.2925	0076.8	011.8	180.7	001.2500	0179.3	079.4	38.86	
318.0	000.2925	0076.7	011.8	180.6	001.2500	0179.4	079.3	38.91	
319.0	000.2925	0076.6	011.8	180.5	001.2500	0179.6	079.1	38.96	
320.0	000.2925	0076.5	011.8	180.4	001.2500	0179.8	079.0	39.01	
321.0	000.2925	0076.4	011.8	180.3	001.2500	0180.0	078.9	39.05	
322.0	000.2925	0076.3	011.8	180.2	001.2500	0180.1	078.8	39.10	
323.0	000.2925	0076.2	011.7	180.0	001.2500	0180.3	078.6	39.15	
324.0	000.2925	0076.1	011.7	179.9	001.2500	0180.5	078.5	39.19	
325.0	000.2925	0076.2	011.7	179.8	001.2500	0180.7	078.4	39.24	
326.0	000.2925	0076.3	011.8	179.7	001.2500	0180.9	078.3	39.29	
327.0	000.2925	0076.6	011.8	179.6	001.2500	0181.1	078.1	39.34	
328.0	000.2925	0076.9	011.8	179.4	001.2500	0181.3	078.0	39.39	
329.0	000.2925	0077.3	011.8	179.3	001.2500	0181.4	077.9	39.44	
330.0	000.2925	0077.8	011.9	179.2	001.2500	0181.6	077.8	39.49	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
331.0	000.2891	0078.2	011.9	179.1	001.2500	0181.8	077.7	39.53
332.0	000.2858	0078.8	011.9	178.9	001.2500	0182.0	077.6	39.57
333.0	000.2824	0079.4	011.9	178.8	001.2500	0182.2	077.5	39.61
334.0	000.2791	0080.1	011.9	178.7	001.2500	0182.4	077.4	39.65
335.0	000.2758	0080.9	011.9	178.5	001.2500	0182.6	077.3	39.69
336.0	000.2725	0081.5	011.9	178.4	001.2500	0182.9	077.2	39.73
337.0	000.2692	0081.9	011.9	178.2	001.2500	0183.1	077.1	39.76
338.0	000.2660	0082.2	011.9	178.1	001.2500	0183.4	077.0	39.79
339.0	000.2628	0082.4	011.9	177.9	001.2500	0183.6	077.0	39.82
340.0	000.2596	0082.7	011.9	177.8	001.2500	0183.8	076.9	39.84
341.0	000.2515	0083.0	011.8	177.6	001.2500	0183.9	076.9	39.85
342.0	000.2436	0083.3	011.7	177.5	001.2500	0184.0	076.9	39.85
343.0	000.2358	0083.9	011.7	177.3	001.2500	0184.1	076.9	39.85
344.0	000.2281	0084.6	011.6	177.2	001.2500	0184.2	076.9	39.86
345.0	000.2206	0085.4	011.6	177.0	001.2500	0184.2	076.9	39.86
346.0	000.2131	0086.0	011.5	176.8	001.2500	0184.3	077.0	39.86
347.0	000.2058	0086.8	011.5	176.7	001.2500	0184.3	077.0	39.86
348.0	000.1987	0087.8	011.4	176.5	001.2500	0184.4	077.0	39.86
349.0	000.1916	0088.9	011.4	176.4	001.2500	0184.5	077.0	39.86
350.0	000.1847	0090.1	011.4	176.2	001.2500	0184.5	077.0	39.86
351.0	000.1847	0091.7	011.5	176.1	001.2500	0184.6	076.9	39.90
352.0	000.1847	0093.2	011.6	176.0	001.2500	0184.6	076.8	39.94
353.0	000.1847	0094.2	011.6	175.8	001.2500	0184.7	076.7	39.96
354.0	000.1847	0094.6	011.6	175.7	001.2500	0184.8	076.7	39.97
355.0	000.1847	0094.6	011.6	175.5	001.2500	0184.8	076.6	39.98
356.0	000.1847	0094.6	011.6	175.4	001.2500	0184.9	076.6	39.98
357.0	000.1847	0094.4	011.6	175.2	001.2500	0185.0	076.7	39.98
358.0	000.1847	0094.2	011.6	175.0	001.2500	0185.0	076.7	39.98
359.0	000.1847	0094.3	011.6	174.9	001.2500	0185.1	076.7	39.98
000.0	000.1847	0094.8	011.7	174.7	001.2500	0185.2	076.7	39.98
001.0	000.1847	0095.3	011.7	174.6	001.2500	0185.3	076.7	39.99
002.0	000.1847	0095.9	011.7	174.4	001.2500	0185.4	076.7	40.00
003.0	000.1847	0096.3	011.7	174.3	001.2500	0185.5	076.7	40.00
004.0	000.1847	0096.7	011.8	174.1	001.2500	0185.6	076.7	40.00
005.0	000.1847	0096.9	011.8	174.0	001.2500	0185.7	076.7	39.99
006.0	000.1847	0097.0	011.8	173.8	001.2500	0185.7	076.7	39.99
007.0	000.1847	0096.9	011.8	173.7	001.2500	0185.8	076.8	39.97
008.0	000.1847	0096.9	011.8	173.5	001.2500	0185.9	076.8	39.96
009.0	000.1847	0096.6	011.8	173.4	001.2500	0186.0	076.9	39.94
010.0	000.1847	0096.3	011.7	173.2	001.2500	0186.1	077.0	39.92
011.0	000.1872	0095.9	011.8	173.1	001.2500	0186.1	077.0	39.91
012.0	000.1897	0095.6	011.8	172.9	001.2500	0186.2	077.1	39.90
013.0	000.1923	0095.3	011.8	172.8	001.2500	0186.3	077.1	39.88
014.0	000.1948	0094.9	011.8	172.6	001.2500	0186.3	077.2	39.87
015.0	000.1974	0094.7	011.8	172.5	001.2500	0186.3	077.2	39.85
016.0	000.2000	0094.7	011.9	172.3	001.2500	0186.4	077.3	39.83
017.0	000.2026	0094.9	011.9	172.2	001.2500	0186.4	077.3	39.82
018.0	000.2052	0095.1	012.0	172.0	001.2500	0186.4	077.4	39.81
019.0	000.2078	0095.6	012.0	171.9	001.2500	0186.4	077.4	39.80
020.0	000.2105	0096.1	012.1	171.7	001.2500	0186.4	077.4	39.78
021.0	000.2172	0096.3	012.2	171.5	001.2500	0186.4	077.5	39.78

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
022.0	000.2240	0096.8	012.3		171.3	001.2500	0186.4	077.5	39.78
023.0	000.2309	0097.8	012.5		171.1	001.2500	0186.3	077.4	39.78
024.0	000.2379	0098.9	012.6		170.9	001.2500	0186.3	077.4	39.79
025.0	000.2450	0099.5	012.8		170.8	001.2500	0186.3	077.4	39.78
026.0	000.2522	0099.7	012.9		170.6	001.2500	0186.2	077.5	39.77
027.0	000.2596	0099.5	012.9		170.4	001.2500	0186.2	077.6	39.74
028.0	000.2670	0098.9	013.0		170.3	001.2500	0186.2	077.6	39.71
029.0	000.2745	0098.3	013.1		170.1	001.2500	0186.2	077.7	39.68
030.0	000.2822	0098.1	013.1		169.9	001.2500	0186.2	077.8	39.65
031.0	000.2965	0098.2	013.3		169.7	001.2500	0186.2	077.9	39.64
032.0	000.3111	0098.7	013.5		169.5	001.2500	0186.1	077.9	39.64
033.0	000.3261	0099.4	013.7		169.3	001.2500	0186.1	077.9	39.63
034.0	000.3414	0100.2	013.9		169.0	001.2500	0186.1	077.9	39.63
035.0	000.3571	0101.2	014.1		168.8	001.2500	0186.2	077.9	39.63
036.0	000.3732	0102.2	014.4		168.5	001.2500	0186.3	077.9	39.62
037.0	000.3896	0103.2	014.6		168.3	001.2500	0186.3	078.0	39.62
038.0	000.4063	0104.0	014.8		168.0	001.2500	0186.4	078.0	39.60
039.0	000.4234	0104.7	015.1		167.8	001.2500	0186.5	078.1	39.59
040.0	000.4409	0105.2	015.3		167.5	001.2500	0186.5	078.1	39.56
041.0	000.4640	0105.4	015.5		167.3	001.2500	0186.5	078.2	39.54
042.0	000.4876	0105.6	015.7		167.0	001.2500	0186.6	078.3	39.51
043.0	000.5118	0105.7	016.0		166.8	001.2500	0186.6	078.4	39.48
044.0	000.5367	0105.7	016.2		166.5	001.2500	0186.6	078.5	39.45
045.0	000.5621	0105.7	016.4		166.3	001.2500	0186.6	078.6	39.41
046.0	000.5881	0105.7	016.6		166.0	001.2500	0186.6	078.8	39.36
047.0	000.6147	0105.7	016.8		165.8	001.2500	0186.6	078.9	39.31
048.0	000.6418	0105.7	017.0		165.6	001.2500	0186.6	079.1	39.26
049.0	000.6696	0105.7	017.2		165.3	001.2500	0186.6	079.3	39.20
050.0	000.6979	0105.7	017.4		165.1	001.2500	0186.6	079.5	39.15
051.0	000.7347	0105.7	017.7		164.9	001.2500	0186.6	079.6	39.09
052.0	000.7725	0105.7	017.9		164.6	001.2500	0186.6	079.8	39.03
053.0	000.8111	0105.7	018.1		164.4	001.2500	0186.6	080.0	38.96
054.0	000.8507	0105.7	018.4		164.1	001.2500	0186.7	080.2	38.90

09-17-2012

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WFMU BMLD20050408ACI

WWNJNEW

Channel = 216A

Max ERP = 1.25 kW

RCAMSL = 217 M

N. Lat. 40 47 19.0

W. Lng. 74 15 20.0

Protected

60 dBu

Channel = 216A

Max ERP = 5.8 kW

RCAMSL = 105.7 M

N. Lat. 39 59 48.6

W. Lng. 74 10 22.5

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
115.0	001.2500	0194.0	026.6	012.5	000.1910	0095.5	078.6	27.03	
116.0	001.2500	0194.3	026.6	012.4	000.1908	0095.5	078.2	27.16	
117.0	001.2500	0194.8	026.7	012.3	000.1906	0095.5	077.7	27.28	
118.0	001.2500	0195.6	026.7	012.3	000.1905	0095.5	077.3	27.41	
119.0	001.2500	0196.4	026.8	012.2	000.1903	0095.5	076.8	27.54	
120.0	001.2500	0197.1	026.8	012.2	000.1901	0095.6	076.3	27.67	
121.0	001.2500	0197.5	026.8	012.1	000.1899	0095.6	075.9	27.79	
122.0	001.2500	0197.7	026.9	012.0	000.1896	0095.6	075.4	27.91	
123.0	001.2500	0197.9	026.9	011.8	000.1894	0095.7	075.0	28.03	
124.0	001.2500	0197.9	026.9	011.7	000.1890	0095.7	074.6	28.15	
125.0	001.2500	0197.9	026.9	011.6	000.1887	0095.8	074.1	28.27	
126.0	001.2500	0197.9	026.9	011.4	000.1883	0095.8	073.7	28.39	
127.0	001.2500	0197.7	026.9	011.3	000.1879	0095.9	073.3	28.50	
128.0	001.2500	0197.3	026.8	011.1	000.1875	0095.9	072.9	28.61	
129.0	001.2500	0196.8	026.8	010.9	000.1870	0095.9	072.5	28.71	
130.0	001.2500	0196.1	026.8	010.7	000.1865	0096.0	072.1	28.82	
131.0	001.2500	0195.5	026.7	010.5	000.1859	0096.1	071.7	28.92	
132.0	001.2500	0194.9	026.7	010.3	000.1854	0096.2	071.3	29.03	
133.0	001.2500	0194.5	026.7	010.1	000.1849	0096.3	070.9	29.13	
134.0	001.2500	0194.2	026.6	009.8	000.1847	0096.4	070.5	29.24	
135.0	001.2500	0193.8	026.6	009.6	000.1847	0096.5	070.2	29.35	
136.0	001.2500	0193.4	026.6	009.4	000.1847	0096.6	069.8	29.46	
137.0	001.2500	0193.0	026.6	009.1	000.1847	0096.6	069.5	29.57	
138.0	001.2500	0192.7	026.5	008.9	000.1847	0096.7	069.1	29.68	
139.0	001.2500	0192.5	026.5	008.6	000.1847	0096.7	068.8	29.78	
140.0	001.2500	0192.2	026.5	008.4	000.1847	0096.8	068.4	29.89	
141.0	001.2500	0192.0	026.5	008.1	000.1847	0096.9	068.1	29.99	
142.0	001.2500	0191.7	026.5	007.8	000.1847	0097.0	067.8	30.09	
143.0	001.2500	0191.4	026.5	007.5	000.1847	0097.0	067.5	30.19	
144.0	001.2500	0191.2	026.5	007.2	000.1847	0096.9	067.1	30.28	
145.0	001.2500	0191.0	026.4	006.9	000.1847	0096.9	066.8	30.37	
146.0	001.2500	0190.6	026.4	006.6	000.1847	0097.0	066.6	30.45	
147.0	001.2500	0190.1	026.4	006.3	000.1847	0097.0	066.3	30.54	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
148.0	001.2500	0189.6	026.4	006.0	000.1847	0097.0	066.0	30.62
149.0	001.2500	0189.2	026.3	005.7	000.1847	0097.0	065.8	30.69
150.0	001.2500	0188.9	026.3	005.3	000.1847	0096.9	065.5	30.77
151.0	001.2500	0188.5	026.3	005.0	000.1847	0096.9	065.3	30.84
152.0	001.2500	0187.9	026.3	004.6	000.1847	0096.9	065.0	30.90
153.0	001.2500	0187.3	026.2	004.3	000.1847	0096.8	064.8	30.96
154.0	001.2500	0187.0	026.2	003.9	000.1847	0096.6	064.6	31.02
155.0	001.2500	0186.9	026.2	003.6	000.1847	0096.5	064.4	31.08
156.0	001.2500	0186.9	026.2	003.2	000.1847	0096.4	064.2	31.13
157.0	001.2500	0186.9	026.2	002.9	000.1847	0096.2	064.0	31.19
158.0	001.2500	0186.8	026.2	002.5	000.1847	0096.1	063.8	31.24
159.0	001.2500	0186.9	026.2	002.1	000.1847	0096.0	063.6	31.29
160.0	001.2500	0186.9	026.2	001.7	000.1847	0095.8	063.4	31.33
161.0	001.2500	0186.9	026.2	001.3	000.1847	0095.5	063.3	31.37
162.0	001.2500	0186.8	026.2	001.0	000.1847	0095.3	063.1	31.40
163.0	001.2500	0186.7	026.2	000.6	000.1847	0095.1	063.0	31.43
164.0	001.2500	0186.7	026.2	000.2	000.1847	0094.9	062.8	31.46
165.0	001.2500	0186.6	026.2	359.8	000.1847	0094.7	062.7	31.48
166.0	001.2500	0186.6	026.2	359.4	000.1847	0094.5	062.6	31.51
167.0	001.2500	0186.6	026.2	359.0	000.1847	0094.3	062.5	31.53
168.0	001.2500	0186.4	026.2	358.6	000.1847	0094.2	062.4	31.55
169.0	001.2500	0186.2	026.1	358.1	000.1847	0094.2	062.4	31.57
170.0	001.2500	0186.2	026.1	357.7	000.1847	0094.3	062.3	31.59
171.0	001.2500	0186.3	026.2	357.3	000.1847	0094.3	062.2	31.62
172.0	001.2500	0186.4	026.2	356.9	000.1847	0094.4	062.2	31.64
173.0	001.2500	0186.2	026.1	356.5	000.1847	0094.5	062.2	31.66
174.0	001.2500	0185.6	026.1	356.1	000.1847	0094.6	062.2	31.65
175.0	001.2500	0185.1	026.1	355.6	000.1847	0094.6	062.2	31.65
176.0	001.2500	0184.6	026.1	355.2	000.1847	0094.6	062.2	31.64
177.0	001.2500	0184.2	026.0	354.8	000.1847	0094.6	062.3	31.63
178.0	001.2500	0183.5	026.0	354.4	000.1847	0094.6	062.3	31.60
179.0	001.2500	0181.9	025.9	354.0	000.1847	0094.6	062.5	31.56
180.0	001.2500	0180.4	025.8	353.6	000.1847	0094.5	062.6	31.51
181.0	001.2500	0178.9	025.7	353.2	000.1847	0094.3	062.7	31.45
182.0	001.2500	0178.7	025.7	352.8	000.1847	0094.0	062.8	31.41
183.0	001.2500	0178.7	025.7	352.4	000.1847	0093.7	062.9	31.36
184.0	001.2500	0178.3	025.7	352.0	000.1847	0093.2	063.0	31.30
185.0	001.2500	0177.7	025.6	351.6	000.1847	0092.7	063.1	31.22
186.0	001.2500	0176.9	025.6	351.2	000.1847	0092.1	063.3	31.13
187.0	001.2500	0176.7	025.6	350.9	000.1847	0091.5	063.4	31.05
188.0	001.2500	0176.6	025.6	350.5	000.1847	0090.9	063.6	30.97
189.0	001.2500	0176.4	025.6	350.1	000.1847	0090.3	063.7	30.89
190.0	001.2500	0175.9	025.5	349.7	000.1865	0089.8	063.9	30.84
191.0	001.2500	0175.4	025.5	349.4	000.1890	0089.3	064.1	30.81
192.0	001.2500	0175.0	025.5	349.0	000.1915	0088.9	064.3	30.78
193.0	001.2500	0174.7	025.4	348.7	000.1939	0088.5	064.5	30.75
194.0	001.2500	0174.2	025.4	348.3	000.1963	0088.1	064.7	30.72
195.0	001.2500	0173.4	025.4	348.0	000.1987	0087.8	064.9	30.68
196.0	001.2500	0172.2	025.3	347.7	000.2009	0087.5	065.2	30.63
197.0	001.2500	0170.6	025.2	347.4	000.2029	0087.2	065.5	30.56
198.0	001.2500	0168.6	025.0	347.1	000.2049	0086.9	065.8	30.49

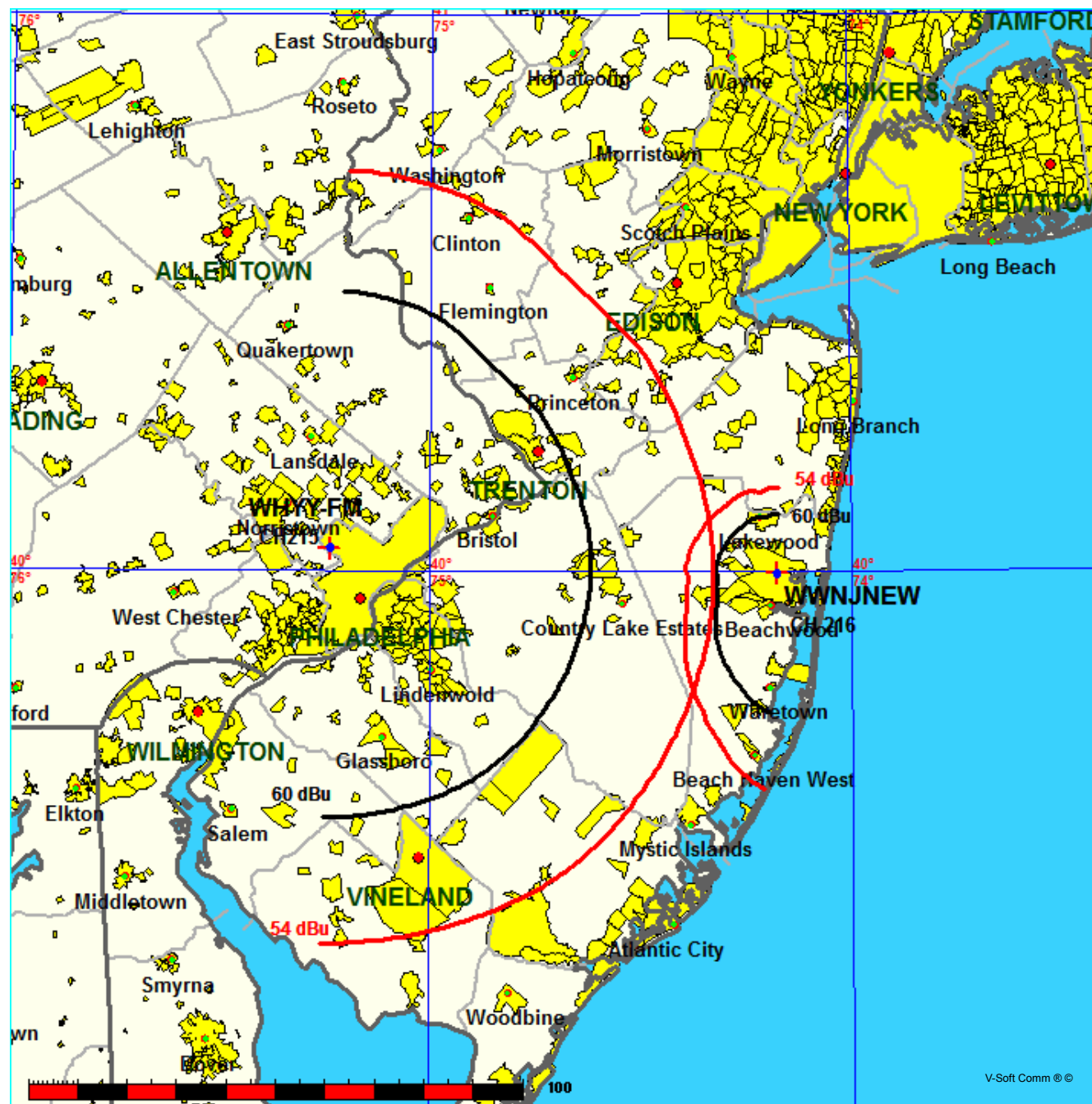
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
199.0	001.2500	0166.6	024.9	346.9	000.2068	0086.7	066.2	30.41
200.0	001.2500	0164.6	024.8	346.6	000.2086	0086.5	066.5	30.34
201.0	001.2500	0162.5	024.6	346.4	000.2103	0086.3	066.9	30.26
202.0	001.2500	0160.2	024.5	346.2	000.2119	0086.1	067.3	30.17
203.0	001.2500	0157.9	024.3	346.0	000.2134	0086.0	067.7	30.09
204.0	001.2500	0155.6	024.2	345.8	000.2149	0085.9	068.0	30.00
205.0	001.2500	0153.4	024.0	345.6	000.2163	0085.8	068.4	29.91
206.0	001.2500	0151.3	023.9	345.4	000.2177	0085.6	068.8	29.82
207.0	001.2500	0149.4	023.7	345.2	000.2190	0085.5	069.2	29.73
208.0	001.2500	0147.5	023.6	345.0	000.2203	0085.4	069.6	29.64
209.0	001.2500	0145.9	023.5	344.9	000.2216	0085.3	069.9	29.56
210.0	001.2500	0144.4	023.4	344.7	000.2229	0085.1	070.3	29.47
211.0	001.2500	0143.2	023.3	344.5	000.2243	0085.0	070.6	29.39
212.0	001.2500	0142.1	023.2	344.3	000.2256	0084.9	071.0	29.31
213.0	001.2500	0140.7	023.1	344.2	000.2267	0084.7	071.4	29.22
214.0	001.2500	0138.3	022.9	344.1	000.2275	0084.7	071.8	29.11
215.0	001.2500	0134.4	022.6	344.1	000.2277	0084.6	072.3	28.98
216.0	001.2500	0129.6	022.3	344.1	000.2274	0084.7	072.8	28.83
217.0	001.2500	0124.4	021.9	344.2	000.2270	0084.7	073.4	28.67
218.0	001.2500	0119.4	021.5	344.2	000.2265	0084.8	073.9	28.52
219.0	001.2500	0115.9	021.2	344.2	000.2264	0084.8	074.4	28.38
220.0	001.2500	0114.5	021.1	344.1	000.2270	0084.7	074.7	28.29
221.0	001.2500	0114.5	021.1	344.0	000.2282	0084.6	075.0	28.22
222.0	001.2500	0114.7	021.1	343.8	000.2294	0084.5	075.3	28.15
223.0	001.2500	0112.6	020.9	343.8	000.2296	0084.4	075.8	28.04
224.0	001.2500	0107.4	020.4	344.0	000.2282	0084.6	076.3	27.87
225.0	001.2500	0101.5	019.8	344.2	000.2263	0084.8	076.9	27.69
226.0	001.2500	0097.8	019.5	344.4	000.2254	0084.9	077.4	27.54
227.0	001.2500	0097.2	019.4	344.3	000.2259	0084.8	077.7	27.46
228.0	001.2500	0098.9	019.6	344.1	000.2276	0084.6	077.9	27.42
229.0	001.2500	0102.0	019.9	343.7	000.2300	0084.4	078.1	27.41
230.0	001.2500	0105.6	020.3	343.4	000.2327	0084.1	078.3	27.39
231.0	001.2500	0109.6	020.6	343.0	000.2354	0083.9	078.5	27.38
232.0	001.2500	0113.5	021.0	342.7	000.2380	0083.7	078.7	27.36
233.0	001.2500	0117.4	021.3	342.4	000.2405	0083.5	078.9	27.34
234.0	001.2500	0121.6	021.7	342.1	000.2429	0083.4	079.2	27.30

WWNJNew vs. WHYY-FM
Mercer County Community College

FMCommander Single Allocation Study - 09-17-2012 - FCC NGDC 30 Sec
WWNJNEW's Overlaps (In= 0.27 km, Out= 19.02 km)

WWNJNEW CH 216 A DA
Lat= 39 59 48.6, Lng= 74 10 22.5
5.8 kW 97 M HAAT, 105.7 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WHYY-FM CH 215 B BMLED20040817AAX
Lat= 40 02 30.0, Lng= 75 14 24.0
13.5 kW 280 M HAAT, 347 M COR
Prot.= 60 dBu, Intef.= 54 dBu



09-17-2012

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WWNJNEW

WHYY-FM BMLD20040817AAX

Channel = 216A
 Max ERP = 5.8 kW
 RCAMSL = 105.7 M
 N. Lat. 39 59 48.6
 W. Lng. 74 10 22.5
 Protected
 60 dBu

Channel = 215B
 Max ERP = 13.5 kW
 RCAMSL = 347 M
 N. Lat. 40 02 30.0
 W. Lng. 75 14 24.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
213.0	001.6681	0095.9	020.7	105.4	013.5000	0313.1	082.8	52.72	
214.0	001.5959	0095.8	020.5	105.1	013.5000	0313.0	082.5	52.80	
215.0	001.5253	0095.7	020.2	104.9	013.5000	0312.9	082.3	52.88	
216.0	001.4563	0095.5	020.0	104.6	013.5000	0312.8	082.0	52.95	
217.0	001.3889	0095.4	019.7	104.4	013.5000	0312.7	081.8	53.03	
218.0	001.3232	0095.5	019.5	104.2	013.5000	0312.7	081.6	53.10	
219.0	001.2590	0095.6	019.3	103.9	013.5000	0312.6	081.3	53.17	
220.0	001.1964	0095.7	019.0	103.7	013.5000	0312.6	081.1	53.23	
221.0	001.1478	0095.8	018.8	103.4	013.5000	0312.6	080.9	53.30	
222.0	001.1001	0095.7	018.6	103.2	013.5000	0312.5	080.7	53.36	
223.0	001.0535	0095.5	018.4	102.9	013.5000	0312.5	080.6	53.42	
224.0	001.0079	0095.3	018.1	102.7	013.5000	0312.4	080.4	53.47	
225.0	000.9634	0095.3	017.9	102.4	013.5000	0312.3	080.3	53.52	
226.0	000.9198	0095.3	017.7	102.2	013.5000	0312.2	080.1	53.56	
227.0	000.8772	0095.2	017.5	101.9	013.5000	0312.1	080.0	53.59	
228.0	000.8357	0094.9	017.2	101.6	013.5000	0311.9	079.9	53.62	
229.0	000.7951	0094.3	016.9	101.3	013.5000	0311.7	079.8	53.64	
230.0	000.7556	0093.6	016.6	101.0	013.5000	0311.5	079.8	53.64	
231.0	000.7248	0093.2	016.4	100.8	013.5000	0311.3	079.7	53.66	
232.0	000.6947	0093.1	016.1	100.5	013.5000	0311.2	079.6	53.68	
233.0	000.6653	0093.1	015.9	100.3	013.5000	0311.0	079.6	53.70	
234.0	000.6364	0093.1	015.7	100.0	013.5000	0310.8	079.5	53.72	
235.0	000.6082	0093.0	015.5	099.8	013.5000	0310.7	079.4	53.73	
236.0	000.5807	0092.9	015.3	099.5	013.5000	0310.5	079.4	53.74	
237.0	000.5538	0092.8	015.1	099.3	013.5000	0310.3	079.4	53.75	
238.0	000.5275	0092.8	014.9	099.1	013.5000	0310.1	079.3	53.75	
239.0	000.5019	0092.7	014.7	098.8	013.5000	0309.9	079.3	53.75	
240.0	000.4769	0092.5	014.5	098.6	013.5000	0309.7	079.3	53.74	
241.0	000.4610	0092.0	014.4	098.4	013.5000	0309.6	079.3	53.75	
242.0	000.4454	0091.6	014.2	098.2	013.5000	0309.4	079.3	53.75	
243.0	000.4301	0091.4	014.1	098.0	013.5000	0309.3	079.2	53.76	
244.0	000.4150	0091.5	013.9	097.8	013.5000	0309.2	079.2	53.77	
245.0	000.4002	0091.6	013.8	097.6	013.5000	0309.0	079.1	53.78	
246.0	000.3857	0091.7	013.7	097.4	013.5000	0308.9	079.1	53.78	
247.0	000.3714	0091.6	013.6	097.2	013.5000	0308.7	079.1	53.78	
248.0	000.3574	0091.6	013.4	097.0	013.5000	0308.6	079.1	53.78	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
249.0	000.3437	0091.5	013.3	096.8	013.5000	0308.4	079.1	53.77
250.0	000.3302	0091.4	013.2	096.6	013.5000	0308.2	079.1	53.76
251.0	000.3266	0091.3	013.1	096.4	013.5000	0308.1	079.0	53.78
252.0	000.3231	0091.2	013.1	096.3	013.5000	0307.9	079.0	53.79
253.0	000.3195	0090.9	013.0	096.1	013.5000	0307.8	078.9	53.80
254.0	000.3160	0090.6	013.0	095.9	013.5000	0307.6	078.9	53.81
255.0	000.3124	0090.3	012.9	095.8	013.5000	0307.4	078.9	53.82
256.0	000.3089	0090.2	012.9	095.6	013.5000	0307.3	078.8	53.82
257.0	000.3055	0090.2	012.8	095.4	013.5000	0307.1	078.8	53.83
258.0	000.3020	0090.3	012.8	095.3	013.5000	0306.9	078.7	53.84
259.0	000.2986	0090.0	012.8	095.1	013.5000	0306.7	078.7	53.84
260.0	000.2951	0089.6	012.7	094.9	013.5000	0306.5	078.7	53.83
261.0	000.2944	0089.0	012.6	094.8	013.5000	0306.3	078.7	53.83
262.0	000.2936	0088.3	012.6	094.6	013.5000	0306.1	078.7	53.82
263.0	000.2928	0087.8	012.5	094.5	013.5000	0305.9	078.7	53.82
264.0	000.2920	0087.3	012.5	094.3	013.5000	0305.7	078.7	53.81
265.0	000.2912	0086.9	012.5	094.1	013.5000	0305.5	078.7	53.81
266.0	000.2904	0086.5	012.4	094.0	013.5000	0305.3	078.7	53.80
267.0	000.2897	0086.4	012.4	093.8	013.5000	0305.1	078.7	53.80
268.0	000.2889	0086.8	012.4	093.7	013.5000	0304.9	078.6	53.81
269.0	000.2881	0088.1	012.5	093.5	013.5000	0304.8	078.5	53.84
270.0	000.2873	0089.4	012.6	093.3	013.5000	0304.6	078.5	53.86
271.0	000.2881	0090.6	012.7	093.2	013.5000	0304.5	078.3	53.90
272.0	000.2889	0091.2	012.7	093.0	013.5000	0304.3	078.3	53.91
273.0	000.2897	0091.0	012.7	092.9	013.5000	0304.1	078.3	53.90
274.0	000.2904	0090.5	012.7	092.7	013.5000	0304.0	078.3	53.89
275.0	000.2912	0090.0	012.7	092.5	013.5000	0303.8	078.3	53.87
276.0	000.2920	0089.1	012.6	092.4	013.5000	0303.6	078.4	53.85
277.0	000.2928	0088.2	012.6	092.2	013.5000	0303.4	078.5	53.82
278.0	000.2936	0087.4	012.5	092.1	013.5000	0303.3	078.5	53.79
279.0	000.2944	0087.0	012.5	091.9	013.5000	0303.1	078.6	53.77
280.0	000.2951	0086.9	012.5	091.8	013.5000	0302.9	078.6	53.76
281.0	000.2954	0086.8	012.5	091.6	013.5000	0302.8	078.6	53.74
282.0	000.2957	0086.7	012.5	091.4	013.5000	0302.6	078.7	53.72
283.0	000.2959	0086.7	012.5	091.3	013.5000	0302.4	078.7	53.70
284.0	000.2962	0086.6	012.5	091.1	013.5000	0302.2	078.8	53.68
285.0	000.2965	0086.5	012.5	091.0	013.5000	0302.1	078.8	53.66
286.0	000.2967	0086.2	012.5	090.8	013.5000	0301.9	078.9	53.63
287.0	000.2970	0085.7	012.4	090.7	013.5000	0301.8	079.0	53.60
288.0	000.2972	0085.1	012.4	090.5	013.5000	0301.6	079.1	53.56
289.0	000.2975	0084.7	012.4	090.4	013.5000	0301.4	079.2	53.53
290.0	000.2978	0084.4	012.4	090.2	013.5000	0301.3	079.2	53.49
291.0	000.2972	0083.9	012.3	090.1	013.5000	0301.1	079.4	53.45
292.0	000.2967	0083.1	012.3	090.0	013.5000	0301.0	079.5	53.40
293.0	000.2962	0082.1	012.2	089.9	013.5000	0300.9	079.6	53.35
294.0	000.2957	0081.3	012.1	089.7	013.5000	0300.7	079.8	53.30
295.0	000.2951	0080.8	012.1	089.6	013.5000	0300.6	079.9	53.26
296.0	000.2946	0080.5	012.1	089.5	013.5000	0300.4	080.0	53.21
297.0	000.2941	0080.4	012.1	089.3	013.5000	0300.3	080.1	53.17
298.0	000.2936	0080.4	012.0	089.2	013.5000	0300.1	080.2	53.14
299.0	000.2930	0080.4	012.0	089.1	013.5000	0300.0	080.3	53.10

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
300.0	000.2925	0080.4	012.0		089.0	013.5000	0299.8	080.4	53.06
301.0	000.2925	0080.4	012.0		088.8	013.5000	0299.7	080.5	53.02
302.0	000.2925	0080.4	012.0		088.7	013.5000	0299.6	080.6	52.98
303.0	000.2925	0080.5	012.0		088.6	013.5000	0299.4	080.8	52.94
304.0	000.2925	0080.5	012.0		088.4	013.5000	0299.3	080.9	52.89
305.0	000.2925	0080.5	012.0		088.3	013.5000	0299.1	081.0	52.85
306.0	000.2925	0080.4	012.0		088.2	013.5000	0299.0	081.1	52.80
307.0	000.2925	0080.2	012.0		088.1	013.5000	0298.9	081.3	52.75
308.0	000.2925	0079.9	012.0		088.0	013.5000	0298.8	081.4	52.70
309.0	000.2925	0079.5	012.0		087.9	013.5000	0298.7	081.6	52.65
310.0	000.2925	0079.0	011.9		087.8	013.5000	0298.5	081.7	52.59
311.0	000.2925	0078.5	011.9		087.7	013.5000	0298.4	081.9	52.53
312.0	000.2925	0078.0	011.9		087.6	013.5000	0298.3	082.1	52.48
313.0	000.2925	0077.6	011.8		087.5	013.5000	0298.2	082.2	52.42
314.0	000.2925	0077.3	011.8		087.4	013.5000	0298.1	082.4	52.37
315.0	000.2925	0077.1	011.8		087.3	013.5000	0298.0	082.5	52.31
316.0	000.2925	0077.0	011.8		087.3	013.5000	0297.9	082.7	52.26
317.0	000.2925	0076.8	011.8		087.2	013.5000	0297.8	082.9	52.20
318.0	000.2925	0076.7	011.8		087.1	013.5000	0297.7	083.0	52.15
319.0	000.2925	0076.6	011.8		087.0	013.5000	0297.6	083.2	52.09
320.0	000.2925	0076.5	011.8		086.9	013.5000	0297.5	083.4	52.03
321.0	000.2925	0076.4	011.8		086.8	013.5000	0297.4	083.5	51.98
322.0	000.2925	0076.3	011.8		086.7	013.5000	0297.4	083.7	51.92
323.0	000.2925	0076.2	011.7		086.7	013.5000	0297.3	083.9	51.86
324.0	000.2925	0076.1	011.7		086.6	013.5000	0297.2	084.0	51.80
325.0	000.2925	0076.2	011.7		086.5	013.5000	0297.1	084.2	51.75
326.0	000.2925	0076.3	011.8		086.4	013.5000	0297.0	084.4	51.69
327.0	000.2925	0076.6	011.8		086.4	013.5000	0296.9	084.5	51.63
328.0	000.2925	0076.9	011.8		086.3	013.5000	0296.8	084.7	51.58
329.0	000.2925	0077.3	011.8		086.2	013.5000	0296.7	084.9	51.52
330.0	000.2925	0077.8	011.9		086.1	013.5000	0296.6	085.0	51.46
331.0	000.2891	0078.2	011.9		086.0	013.5000	0296.5	085.2	51.40
332.0	000.2858	0078.8	011.9		086.0	013.5000	0296.5	085.4	51.34

09-17-2012

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WHYY-FM BMLD20040817AAX

WWNJNEW

Channel = 215B

Max ERP = 13.5 kW

RCAMSL = 347 M

N. Lat. 40 02 30.0

W. Lng. 75 14 24.0

Protected

60 dBu

Channel = 216A

Max ERP = 5.8 kW

RCAMSL = 105.7 M

N. Lat. 39 59 48.6

W. Lng. 74 10 22.5

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
033.0	013.5000	0259.1	050.0	306.7	000.2925	0080.2	079.0	27.99	
034.0	013.5000	0257.2	049.9	306.7	000.2925	0080.2	078.1	28.24	
035.0	013.5000	0255.3	049.7	306.6	000.2925	0080.3	077.2	28.47	
036.0	013.5000	0253.5	049.6	306.5	000.2925	0080.3	076.3	28.71	
037.0	013.5000	0251.7	049.5	306.4	000.2925	0080.3	075.5	28.94	
038.0	013.5000	0250.0	049.4	306.3	000.2925	0080.3	074.6	29.17	
039.0	013.5000	0248.6	049.3	306.2	000.2925	0080.3	073.8	29.41	
040.0	013.5000	0247.6	049.2	306.1	000.2925	0080.3	072.9	29.64	
041.0	013.5000	0247.2	049.2	306.0	000.2925	0080.4	072.1	29.87	
042.0	013.5000	0247.4	049.2	305.9	000.2925	0080.4	071.2	30.11	
043.0	013.5000	0247.7	049.2	305.9	000.2925	0080.4	070.4	30.34	
044.0	013.5000	0247.8	049.2	305.8	000.2925	0080.4	069.5	30.58	
045.0	013.5000	0247.8	049.2	305.7	000.2925	0080.4	068.7	30.82	
046.0	013.5000	0248.0	049.2	305.5	000.2925	0080.4	067.8	31.05	
047.0	013.5000	0248.8	049.3	305.4	000.2925	0080.4	067.0	31.29	
048.0	013.5000	0249.5	049.3	305.3	000.2925	0080.4	066.1	31.53	
049.0	013.5000	0250.1	049.4	305.2	000.2925	0080.4	065.3	31.78	
050.0	013.5000	0250.9	049.4	305.0	000.2925	0080.5	064.4	32.02	
051.0	013.5000	0251.9	049.5	304.9	000.2925	0080.5	063.6	32.26	
052.0	013.5000	0253.5	049.6	304.7	000.2925	0080.5	062.7	32.52	
053.0	013.5000	0255.5	049.8	304.6	000.2925	0080.5	061.9	32.79	
054.0	013.5000	0258.2	049.9	304.5	000.2925	0080.5	061.0	33.07	
055.0	013.5000	0261.2	050.2	304.4	000.2925	0080.5	060.1	33.35	
056.0	013.5000	0264.0	050.4	304.3	000.2925	0080.5	059.2	33.65	
057.0	013.5000	0265.9	050.5	304.1	000.2925	0080.5	058.4	33.94	
058.0	013.5000	0267.1	050.6	303.8	000.2925	0080.5	057.5	34.22	
059.0	013.5000	0267.6	050.6	303.4	000.2925	0080.5	056.7	34.50	
060.0	013.5000	0268.0	050.6	303.0	000.2925	0080.5	055.9	34.78	
061.0	013.5000	0268.6	050.7	302.7	000.2925	0080.5	055.1	35.06	
062.0	013.5000	0269.3	050.7	302.2	000.2925	0080.5	054.3	35.34	
063.0	013.5000	0270.1	050.8	301.8	000.2925	0080.4	053.5	35.62	
064.0	013.5000	0270.9	050.9	301.3	000.2925	0080.4	052.8	35.89	
065.0	013.5000	0271.5	050.9	300.8	000.2925	0080.4	052.0	36.16	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
066.0	013.5000	0271.9	050.9	300.3	000.2925	0080.4	051.3	36.42
067.0	013.5000	0272.4	051.0	299.7	000.2927	0080.4	050.5	36.68
068.0	013.5000	0273.0	051.0	299.1	000.2930	0080.4	049.8	36.94
069.0	013.5000	0274.0	051.1	298.5	000.2933	0080.4	049.1	37.20
070.0	013.5000	0274.6	051.1	297.9	000.2936	0080.4	048.4	37.45
071.0	013.5000	0275.0	051.1	297.1	000.2940	0080.4	047.7	37.68
072.0	013.5000	0275.3	051.2	296.4	000.2944	0080.5	047.1	37.92
073.0	013.5000	0276.1	051.2	295.6	000.2948	0080.6	046.4	38.17
074.0	013.5000	0277.4	051.3	294.9	000.2952	0080.9	045.8	38.44
075.0	013.5000	0279.0	051.4	294.1	000.2956	0081.3	045.1	38.73
076.0	013.5000	0280.7	051.5	293.3	000.2960	0081.9	044.5	39.03
077.0	013.5000	0282.5	051.7	292.4	000.2965	0082.7	043.8	39.35
078.0	013.5000	0284.3	051.8	291.5	000.2970	0083.5	043.2	39.67
079.0	013.5000	0286.0	051.9	290.6	000.2975	0084.1	042.7	39.96
080.0	013.5000	0287.6	052.0	289.6	000.2977	0084.5	042.1	40.22
081.0	013.5000	0289.3	052.1	288.6	000.2974	0084.9	041.6	40.46
082.0	013.5000	0290.9	052.2	287.5	000.2971	0085.4	041.1	40.71
083.0	013.5000	0292.4	052.3	286.4	000.2968	0086.0	040.6	40.95
084.0	013.5000	0293.7	052.4	285.2	000.2965	0086.4	040.2	41.16
085.0	013.5000	0295.0	052.5	284.1	000.2962	0086.6	039.8	41.34
086.0	013.5000	0296.5	052.6	282.8	000.2959	0086.7	039.4	41.49
087.0	013.5000	0297.6	052.7	281.6	000.2956	0086.8	039.1	41.63
088.0	013.5000	0298.8	052.8	280.3	000.2952	0086.9	038.8	41.75
089.0	013.5000	0299.9	052.9	278.9	000.2943	0087.0	038.6	41.85
090.0	013.5000	0301.0	052.9	277.6	000.2933	0087.7	038.4	41.99
091.0	013.5000	0302.1	053.0	276.2	000.2922	0088.9	038.2	42.17
092.0	013.5000	0303.2	053.1	274.9	000.2911	0090.1	038.1	42.32
093.0	013.5000	0304.3	053.1	273.5	000.2900	0090.8	038.0	42.41
094.0	013.5000	0305.3	053.2	272.1	000.2889	0091.2	038.0	42.45
095.0	013.5000	0306.6	053.3	270.6	000.2878	0090.2	037.9	42.35
096.0	013.5000	0307.7	053.4	269.2	000.2879	0088.4	038.0	42.16
097.0	013.5000	0308.6	053.4	267.8	000.2890	0086.6	038.0	41.97
098.0	013.5000	0309.3	053.5	266.4	000.2901	0086.4	038.2	41.91
099.0	013.5000	0310.0	053.5	265.1	000.2912	0086.8	038.3	41.90
100.0	013.5000	0310.8	053.6	263.7	000.2922	0087.5	038.5	41.89
101.0	013.5000	0311.5	053.6	262.3	000.2933	0088.1	038.8	41.87
102.0	013.5000	0312.1	053.7	261.0	000.2943	0089.0	039.1	41.85
103.0	013.5000	0312.5	053.7	259.8	000.2960	0089.7	039.4	41.80
104.0	013.5000	0312.6	053.7	258.5	000.3002	0090.1	039.8	41.74
105.0	013.5000	0312.9	053.7	257.3	000.3044	0090.3	040.2	41.64
106.0	013.5000	0313.4	053.7	256.1	000.3085	0090.2	040.6	41.51
107.0	013.5000	0314.0	053.8	255.0	000.3126	0090.3	041.1	41.40
108.0	013.5000	0314.7	053.8	253.8	000.3165	0090.6	041.6	41.29
109.0	013.5000	0315.2	053.9	252.8	000.3203	0091.0	042.1	41.16
110.0	013.5000	0315.6	053.9	251.7	000.3240	0091.2	042.6	41.01
111.0	013.5000	0315.8	053.9	250.8	000.3275	0091.3	043.2	40.83
112.0	013.5000	0316.0	053.9	249.8	000.3327	0091.4	043.8	40.66
113.0	013.5000	0316.5	054.0	248.9	000.3451	0091.5	044.5	40.59
114.0	013.5000	0317.2	054.0	248.0	000.3573	0091.6	045.1	40.50
115.0	013.5000	0318.2	054.1	247.1	000.3694	0091.6	045.8	40.40
116.0	013.5000	0319.1	054.1	246.3	000.3811	0091.7	046.4	40.28

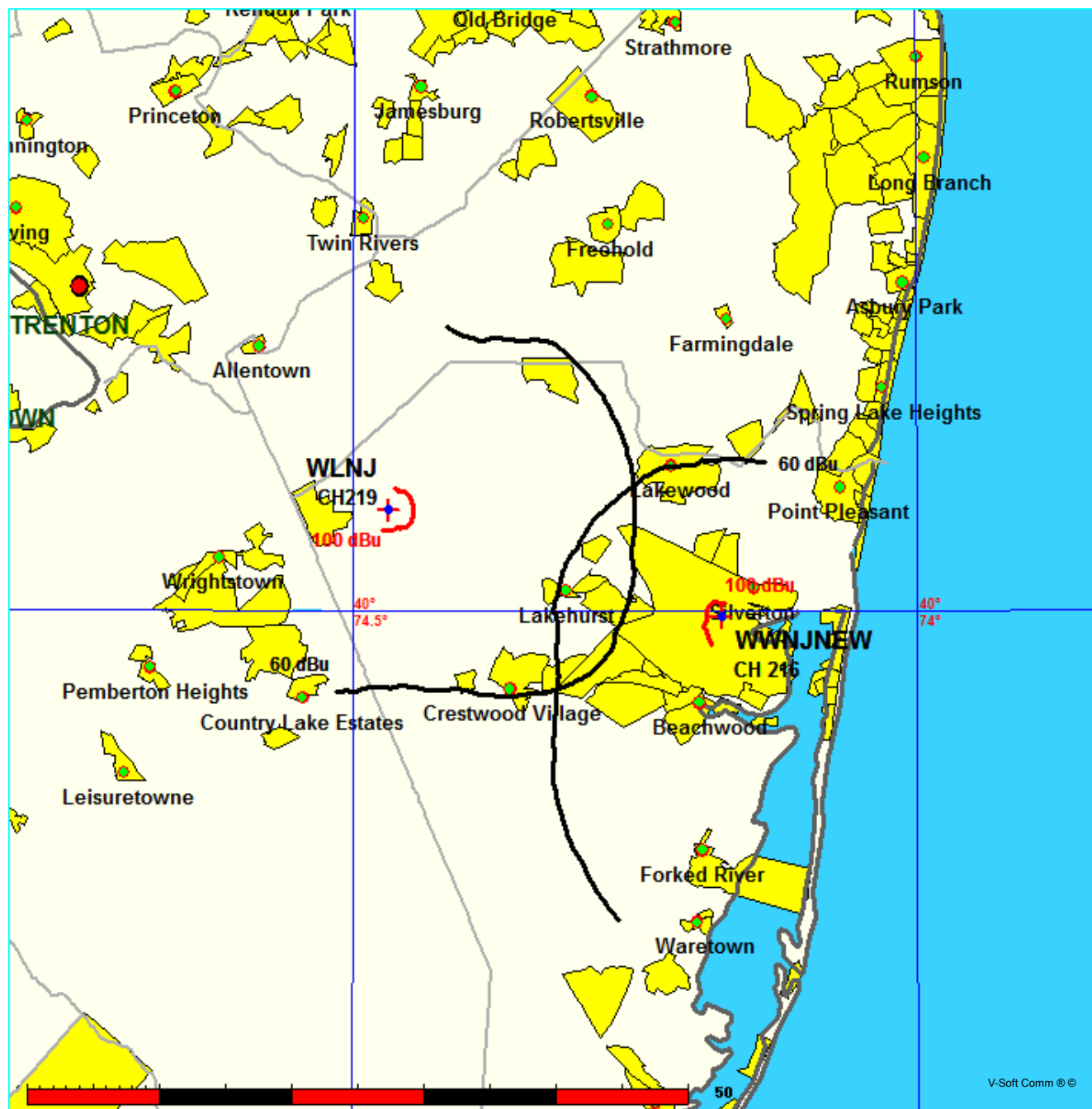
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
117.0	013.5000	0319.8	054.2	245.5	000.3923	0091.7	047.1	40.15
118.0	013.5000	0320.1	054.2	244.8	000.4027	0091.6	047.9	39.98
119.0	013.5000	0320.3	054.2	244.2	000.4126	0091.5	048.7	39.80
120.0	013.5000	0320.5	054.2	243.5	000.4220	0091.4	049.4	39.61
121.0	013.5000	0320.8	054.2	242.9	000.4312	0091.4	050.2	39.41
122.0	013.5000	0321.2	054.3	242.3	000.4400	0091.5	051.0	39.21
123.0	013.5000	0321.7	054.3	241.8	000.4484	0091.7	051.8	39.00
124.0	013.5000	0322.1	054.3	241.3	000.4563	0091.9	052.7	38.79
125.0	013.5000	0322.4	054.3	240.8	000.4638	0092.1	053.5	38.56
126.0	013.5000	0322.7	054.4	240.4	000.4708	0092.3	054.4	38.32
127.0	013.5000	0323.1	054.4	240.0	000.4777	0092.5	055.2	38.08
128.0	013.5000	0323.6	054.4	239.6	000.4875	0092.6	056.1	37.86
129.0	013.5000	0324.2	054.5	239.2	000.4969	0092.7	057.0	37.63
130.0	013.5000	0324.9	054.5	238.8	000.5060	0092.8	057.9	37.39
131.0	013.5000	0325.7	054.6	238.5	000.5145	0092.8	058.8	37.15
132.0	013.5000	0326.4	054.6	238.2	000.5224	0092.8	059.7	36.90
133.0	013.5000	0327.1	054.7	237.9	000.5296	0092.8	060.6	36.65
134.0	013.5000	0327.6	054.7	237.7	000.5361	0092.8	061.5	36.39
135.0	013.5000	0328.1	054.7	237.5	000.5419	0092.8	062.4	36.13
136.0	013.5000	0328.5	054.7	237.3	000.5471	0092.8	063.3	35.88
137.0	013.5000	0329.0	054.8	237.1	000.5519	0092.8	064.3	35.63
138.0	013.5000	0329.3	054.8	236.9	000.5559	0092.8	065.2	35.38
139.0	013.5000	0329.4	054.8	236.8	000.5592	0092.8	066.2	35.12
140.0	013.5000	0329.4	054.8	236.7	000.5618	0092.8	067.1	34.86
141.0	013.5000	0329.2	054.8	236.6	000.5637	0092.8	068.1	34.60
142.0	013.5000	0328.9	054.8	236.6	000.5649	0092.8	069.0	34.33
143.0	013.5000	0328.5	054.8	236.6	000.5657	0092.8	070.0	34.06
144.0	013.5000	0328.2	054.7	236.5	000.5662	0092.8	070.9	33.79
145.0	013.5000	0327.9	054.7	236.5	000.5664	0092.8	071.9	33.51
146.0	013.5000	0327.6	054.7	236.5	000.5661	0092.8	072.9	33.24
147.0	013.5000	0327.3	054.7	236.6	000.5656	0092.8	073.8	32.96
148.0	013.5000	0327.0	054.6	236.6	000.5646	0092.8	074.8	32.69
149.0	013.5000	0326.4	054.6	236.7	000.5631	0092.8	075.7	32.41
150.0	013.5000	0325.7	054.6	236.7	000.5610	0092.8	076.7	32.12
151.0	013.5000	0324.7	054.5	236.8	000.5584	0092.8	077.6	31.84
152.0	013.5000	0323.8	054.4	236.9	000.5555	0092.8	078.6	31.56

WWNJNew vs. WLNJ
Mercer County Community College

FMCommander Single Allocation Study - 09-17-2012 - FCC NGDC 30 Sec
WWNJNEW's Overlaps (In= 12.04 km, Out= 5.88 km)

WWNJNEW CH 216 A DA
Lat= 39 59 48.6, Lng= 74 10 22.5
5.8 kW 97 M HAAT, 105.7 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WLNJ CH 219 A DA BLED20120118ABO
Lat= 40 04 07.0, Lng= 74 28 09.0
3.5 kW 49 M HAAT, 84 M COR
Prot.= 60 dBu, Intef.= 100 dBu



09-17-2012

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WWNJNEW

WLNJ BLED20120118ABO

Channel = 216A
 Max ERP = 5.8 kW
 RCAMSL = 105.7 M
 N. Lat. 39 59 48.6
 W. Lng. 74 10 22.5
 Protected
 60 dBu

Channel = 219A
 Max ERP = 3.5 kW
 RCAMSL = 84 M
 N. Lat. 40 04 07.0
 W. Lng. 74 28 09.0
 Interfering
 100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
228.0	000.8357	0094.9	017.2	147.4	003.0112	0046.9	023.2	55.03	
229.0	000.7951	0094.3	016.9	146.7	003.0699	0047.0	022.8	55.40	
230.0	000.7556	0093.6	016.6	146.0	003.1321	0047.2	022.5	55.77	
231.0	000.7248	0093.2	016.4	145.5	003.1819	0047.3	022.2	56.10	
232.0	000.6947	0093.1	016.1	145.0	003.2271	0047.4	021.9	56.42	
233.0	000.6653	0093.1	015.9	144.5	003.2537	0047.5	021.6	56.70	
234.0	000.6364	0093.1	015.7	144.0	003.2821	0047.6	021.3	56.98	
235.0	000.6082	0093.0	015.5	143.4	003.3138	0047.8	021.0	57.26	
236.0	000.5807	0092.9	015.3	142.8	003.3455	0047.9	020.8	57.55	
237.0	000.5538	0092.8	015.1	142.2	003.3790	0048.2	020.5	57.84	
238.0	000.5275	0092.8	014.9	141.6	003.4129	0048.5	020.3	58.16	
239.0	000.5019	0092.7	014.7	140.9	003.4492	0049.0	020.1	58.49	
240.0	000.4769	0092.5	014.5	140.2	003.4901	0049.7	019.8	58.84	
241.0	000.4610	0092.0	014.4	139.6	003.5000	0050.3	019.6	59.15	
242.0	000.4454	0091.6	014.2	139.0	003.5000	0051.0	019.4	59.45	
243.0	000.4301	0091.4	014.1	138.4	003.5000	0051.6	019.2	59.74	
244.0	000.4150	0091.5	013.9	137.9	003.5000	0052.1	019.0	60.00	
245.0	000.4002	0091.6	013.8	137.3	003.5000	0052.6	018.8	60.26	
246.0	000.3857	0091.7	013.7	136.7	003.5000	0053.1	018.6	60.50	
247.0	000.3714	0091.6	013.6	136.1	003.5000	0053.5	018.4	60.73	
248.0	000.3574	0091.6	013.4	135.4	003.5000	0054.0	018.3	60.95	
249.0	000.3437	0091.5	013.3	134.8	003.5000	0054.4	018.1	61.16	
250.0	000.3302	0091.4	013.2	134.1	003.5000	0054.9	017.9	61.37	
251.0	000.3266	0091.3	013.1	133.6	003.5000	0055.3	017.8	61.59	
252.0	000.3231	0091.2	013.1	133.1	003.5000	0055.7	017.6	61.81	
253.0	000.3195	0090.9	013.0	132.6	003.5000	0056.1	017.4	62.03	
254.0	000.3160	0090.6	013.0	132.1	003.5000	0056.6	017.2	62.24	
255.0	000.3124	0090.3	012.9	131.5	003.5000	0057.1	017.1	62.46	
256.0	000.3089	0090.2	012.9	131.0	003.5000	0057.5	016.9	62.66	
257.0	000.3055	0090.2	012.8	130.4	003.5000	0058.0	016.8	62.87	
258.0	000.3020	0090.3	012.8	129.9	003.5000	0058.4	016.6	63.07	
259.0	000.2986	0090.0	012.8	129.2	003.5000	0058.9	016.5	63.26	
260.0	000.2951	0089.6	012.7	128.6	003.5000	0059.4	016.3	63.44	
261.0	000.2944	0089.0	012.6	127.9	003.5000	0059.9	016.2	63.61	
262.0	000.2936	0088.3	012.6	127.2	003.5000	0060.2	016.1	63.77	
263.0	000.2928	0087.8	012.5	126.6	003.5000	0060.6	015.9	63.92	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
264.0	000.2920	0087.3	012.5	125.9	003.5000	0060.8	015.8	64.05
265.0	000.2912	0086.9	012.5	125.2	003.5000	0060.9	015.7	64.17
266.0	000.2904	0086.5	012.4	124.5	003.5000	0061.1	015.6	64.29
267.0	000.2897	0086.4	012.4	123.8	003.5000	0061.2	015.5	64.41
268.0	000.2889	0086.8	012.4	123.2	003.5000	0061.3	015.3	64.55
269.0	000.2881	0088.1	012.5	122.7	003.5000	0061.4	015.1	64.72
270.0	000.2873	0089.4	012.6	122.2	003.5000	0061.4	015.0	64.66
271.0	000.2881	0090.6	012.7	121.7	003.5000	0061.3	014.8	64.88
272.0	000.2889	0091.2	012.7	121.0	003.5000	0061.1	014.6	65.03
273.0	000.2897	0091.0	012.7	120.2	003.5000	0060.6	014.5	65.08
274.0	000.2904	0090.5	012.7	119.4	003.5000	0059.9	014.4	65.09
275.0	000.2912	0090.0	012.7	118.5	003.5000	0059.4	014.4	65.10
276.0	000.2920	0089.1	012.6	117.6	003.5000	0059.1	014.3	65.11
277.0	000.2928	0088.2	012.6	116.7	003.5000	0059.1	014.3	65.15
278.0	000.2936	0087.4	012.5	115.8	003.5000	0059.2	014.3	65.20
279.0	000.2944	0087.0	012.5	115.0	003.5000	0059.3	014.2	65.26
280.0	000.2951	0086.9	012.5	114.1	003.5000	0059.2	014.2	65.32
281.0	000.2954	0086.8	012.5	113.3	003.5000	0059.2	014.1	65.38
282.0	000.2957	0086.7	012.5	112.4	003.5000	0059.0	014.1	65.41
283.0	000.2959	0086.7	012.5	111.5	003.5000	0058.8	014.0	65.42
284.0	000.2962	0086.6	012.5	110.6	003.5000	0058.6	014.0	65.42
285.0	000.2965	0086.5	012.5	109.7	003.5000	0058.3	014.0	65.41
286.0	000.2967	0086.2	012.5	108.8	003.5000	0058.1	014.0	65.37
287.0	000.2970	0085.7	012.4	108.0	003.5000	0057.9	014.0	65.31
288.0	000.2972	0085.1	012.4	107.1	003.5000	0057.6	014.1	65.24
289.0	000.2975	0084.7	012.4	106.2	003.5000	0057.5	014.1	65.17
290.0	000.2978	0084.4	012.4	105.3	003.5000	0057.3	014.1	65.10
291.0	000.2972	0083.9	012.3	104.5	003.5000	0057.0	014.2	64.98
292.0	000.2967	0083.1	012.3	103.6	003.5000	0056.5	014.3	64.80
293.0	000.2962	0082.1	012.2	102.8	003.5000	0055.9	014.4	64.58
294.0	000.2957	0081.3	012.1	102.1	003.5000	0055.2	014.5	64.36
295.0	000.2951	0080.8	012.1	101.3	003.5000	0054.7	014.6	64.18
296.0	000.2946	0080.5	012.1	100.5	003.5000	0054.4	014.6	64.03
297.0	000.2941	0080.4	012.1	099.7	003.5000	0054.1	014.7	63.90
298.0	000.2936	0080.4	012.0	099.0	003.5000	0054.0	014.8	63.80
299.0	000.2930	0080.4	012.0	098.2	003.5000	0054.0	014.9	63.71
300.0	000.2925	0080.4	012.0	097.5	003.5000	0054.0	014.9	63.62
301.0	000.2925	0080.4	012.0	096.7	003.5000	0054.0	015.0	63.77
302.0	000.2925	0080.4	012.0	096.0	003.5000	0054.0	015.1	63.69
303.0	000.2925	0080.5	012.0	095.3	003.5000	0054.0	015.2	63.61
304.0	000.2925	0080.5	012.0	094.6	003.5000	0054.0	015.3	63.52
305.0	000.2925	0080.5	012.0	093.9	003.5000	0054.0	015.4	63.43
306.0	000.2925	0080.4	012.0	093.3	003.5000	0054.0	015.5	63.32
307.0	000.2925	0080.2	012.0	092.6	003.5000	0054.0	015.6	63.21
308.0	000.2925	0079.9	012.0	092.0	003.5000	0054.0	015.8	63.09
309.0	000.2925	0079.5	012.0	091.5	003.5000	0054.0	015.9	62.96
310.0	000.2925	0079.0	011.9	091.0	003.5000	0054.0	016.1	62.82
311.0	000.2925	0078.5	011.9	090.5	003.5000	0054.0	016.2	62.68
312.0	000.2925	0078.0	011.9	090.0	003.5000	0053.9	016.4	62.54
313.0	000.2925	0077.6	011.8	089.6	003.5000	0053.9	016.6	62.40
314.0	000.2925	0077.3	011.8	089.1	003.5000	0053.9	016.7	62.26

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
315.0	000.2925	0077.1	011.8		088.6	003.5000	0053.9	016.9	62.12
316.0	000.2925	0077.0	011.8		088.2	003.5000	0053.9	017.0	61.99
317.0	000.2925	0076.8	011.8		087.8	003.5000	0053.9	017.2	61.85
318.0	000.2925	0076.7	011.8		087.3	003.5000	0053.9	017.4	61.71
319.0	000.2925	0076.6	011.8		086.9	003.5000	0053.9	017.5	61.56
320.0	000.2925	0076.5	011.8		086.5	003.5000	0053.9	017.7	61.42
321.0	000.2925	0076.4	011.8		086.2	003.5000	0053.9	017.9	61.27
322.0	000.2925	0076.3	011.8		085.8	003.5000	0053.9	018.0	61.12
323.0	000.2925	0076.2	011.7		085.5	003.5000	0053.9	018.2	60.97
324.0	000.2925	0076.1	011.7		085.1	003.5000	0053.9	018.4	60.82
325.0	000.2925	0076.2	011.7		084.8	003.5000	0053.9	018.6	60.67
326.0	000.2925	0076.3	011.8		084.5	003.5000	0053.9	018.7	60.53
327.0	000.2925	0076.6	011.8		084.1	003.5000	0053.8	018.9	60.38
328.0	000.2925	0076.9	011.8		083.8	003.5000	0053.8	019.1	60.23
329.0	000.2925	0077.3	011.8		083.5	003.5000	0053.8	019.2	60.09
330.0	000.2925	0077.8	011.9		083.1	003.5000	0053.8	019.4	59.94
331.0	000.2891	0078.2	011.9		082.9	003.5000	0053.8	019.6	59.78
332.0	000.2858	0078.8	011.9		082.7	003.5000	0053.8	019.8	59.62
333.0	000.2824	0079.4	011.9		082.4	003.5000	0053.8	020.0	59.46
334.0	000.2791	0080.1	011.9		082.2	003.5000	0053.8	020.2	59.30
335.0	000.2758	0080.9	011.9		082.0	003.5000	0053.8	020.4	59.14
336.0	000.2725	0081.5	011.9		081.8	003.5000	0053.8	020.6	58.98
337.0	000.2692	0081.9	011.9		081.6	003.5000	0053.8	020.8	58.82
338.0	000.2660	0082.2	011.9		081.5	003.5000	0053.8	021.0	58.65
339.0	000.2628	0082.4	011.9		081.5	003.5000	0053.8	021.2	58.49
340.0	000.2596	0082.7	011.9		081.4	003.5000	0053.8	021.4	58.32
341.0	000.2515	0083.0	011.8		081.5	003.5000	0053.8	021.6	58.15
342.0	000.2436	0083.3	011.7		081.5	003.5000	0053.8	021.8	57.98
343.0	000.2358	0083.9	011.7		081.6	003.5000	0053.8	022.0	57.82
344.0	000.2281	0084.6	011.6		081.6	003.5000	0053.8	022.2	57.65
345.0	000.2206	0085.4	011.6		081.7	003.5000	0053.8	022.4	57.49
346.0	000.2131	0086.0	011.5		081.8	003.5000	0053.8	022.6	57.34
347.0	000.2058	0086.8	011.5		081.8	003.5000	0053.8	022.9	57.18

09-17-2012

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WLNJ BLED20120118ABO

WWNJNEW

Channel = 219A

Max ERP = 3.5 kW

RCAMSL = 84 M

N. Lat. 40 04 07.0

W. Lng. 74 28 09.0

Protected

60 dBu

Channel = 216A

Max ERP = 5.8 kW

RCAMSL = 105.7 M

N. Lat. 39 59 48.6

W. Lng. 74 10 22.5

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
047.0	003.5000	0048.7	017.7	328.5	000.2925	0077.1	023.5	48.91	
048.0	003.5000	0048.9	017.7	328.8	000.2925	0077.2	023.2	49.15	
049.0	003.5000	0049.2	017.8	329.0	000.2925	0077.3	022.9	49.38	
050.0	003.5000	0049.4	017.8	329.3	000.2925	0077.5	022.6	49.62	
051.0	003.5000	0049.7	017.9	329.6	000.2925	0077.6	022.3	49.86	
052.0	003.5000	0049.9	017.9	329.8	000.2925	0077.7	022.0	50.11	
053.0	003.5000	0050.2	018.0	330.0	000.2924	0077.8	021.7	50.36	
054.0	003.5000	0050.5	018.0	330.3	000.2916	0077.9	021.4	50.60	
055.0	003.5000	0050.7	018.1	330.5	000.2909	0078.0	021.1	50.84	
056.0	003.5000	0050.9	018.1	330.7	000.2902	0078.1	020.8	51.09	
057.0	003.5000	0051.0	018.2	330.8	000.2898	0078.1	020.5	51.34	
058.0	003.5000	0051.1	018.2	330.9	000.2896	0078.2	020.2	51.60	
059.0	003.5000	0051.1	018.2	330.9	000.2895	0078.2	019.9	51.86	
060.0	003.5000	0051.2	018.2	331.0	000.2891	0078.2	019.5	52.12	
061.0	003.5000	0051.5	018.3	331.2	000.2885	0078.3	019.2	52.38	
062.0	003.5000	0051.8	018.3	331.4	000.2879	0078.4	018.9	52.64	
063.0	003.5000	0052.0	018.4	331.4	000.2876	0078.5	018.6	52.91	
064.0	003.5000	0052.1	018.4	331.5	000.2876	0078.5	018.3	53.18	
065.0	003.5000	0052.2	018.4	331.5	000.2876	0078.5	017.9	53.45	
066.0	003.5000	0052.3	018.4	331.4	000.2877	0078.5	017.6	53.72	
067.0	003.5000	0052.4	018.4	331.4	000.2878	0078.4	017.3	53.99	
068.0	003.5000	0052.5	018.4	331.3	000.2880	0078.4	017.0	54.27	
069.0	003.5000	0052.5	018.5	331.2	000.2883	0078.4	016.7	54.54	
070.0	003.5000	0052.6	018.5	331.1	000.2887	0078.3	016.3	54.82	
071.0	003.5000	0052.7	018.5	331.0	000.2891	0078.2	016.0	55.09	
072.0	003.5000	0052.8	018.5	330.9	000.2896	0078.2	015.7	55.37	
073.0	003.5000	0053.0	018.5	330.7	000.2902	0078.1	015.4	55.65	
074.0	003.5000	0053.1	018.6	330.5	000.2908	0078.0	015.1	55.93	
075.0	003.5000	0053.2	018.6	330.3	000.2916	0077.9	014.7	56.09	
076.0	003.5000	0053.3	018.6	330.0	000.2925	0077.8	014.4	56.46	
077.0	003.5000	0053.4	018.6	329.7	000.2925	0077.6	014.1	56.83	
078.0	003.5000	0053.5	018.6	329.4	000.2925	0077.5	013.8	57.22	
079.0	003.5000	0053.6	018.7	329.0	000.2925	0077.3	013.5	57.61	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
080.0	003.5000	0053.7	018.7	328.6	000.2925	0077.1	013.2	58.01
081.0	003.5000	0053.8	018.7	328.1	000.2925	0076.9	012.9	58.42
082.0	003.5000	0053.8	018.7	327.5	000.2925	0076.7	012.6	58.83
083.0	003.5000	0053.8	018.7	326.8	000.2925	0076.5	012.3	59.25
084.0	003.5000	0053.8	018.7	326.2	000.2925	0076.3	012.0	59.67
085.0	003.5000	0053.9	018.7	325.4	000.2925	0076.2	011.7	60.11
086.0	003.5000	0053.9	018.7	324.6	000.2925	0076.2	011.4	60.55
087.0	003.5000	0053.9	018.7	323.7	000.2925	0076.2	011.1	61.00
088.0	003.5000	0053.9	018.7	322.8	000.2925	0076.2	010.8	61.45
089.0	003.5000	0053.9	018.7	321.7	000.2925	0076.3	010.6	61.90
090.0	003.5000	0053.9	018.7	320.6	000.2925	0076.4	010.3	62.36
091.0	003.5000	0054.0	018.7	319.5	000.2925	0076.5	010.1	62.80
092.0	003.5000	0054.0	018.7	318.2	000.2925	0076.7	009.8	63.25
093.0	003.5000	0054.0	018.7	316.8	000.2925	0076.8	009.6	63.68
094.0	003.5000	0054.0	018.7	315.4	000.2925	0077.0	009.4	64.10
095.0	003.5000	0054.0	018.7	313.8	000.2925	0077.4	009.2	64.52
096.0	003.5000	0054.0	018.7	312.2	000.2925	0077.9	009.0	64.95
097.0	003.5000	0054.0	018.7	310.5	000.2925	0078.8	008.8	65.39
098.0	003.5000	0054.0	018.7	308.6	000.2925	0079.7	008.6	65.81
099.0	003.5000	0054.0	018.7	306.7	000.2925	0080.2	008.4	66.18
100.0	003.5000	0054.2	018.8	304.8	000.2925	0080.5	008.3	66.55
101.0	003.5000	0054.6	018.8	302.9	000.2925	0080.5	008.1	66.92
102.0	003.5000	0055.2	018.9	300.9	000.2925	0080.4	007.9	67.34
103.0	003.5000	0056.0	019.1	298.9	000.2931	0080.4	007.6	67.86
104.0	003.5000	0056.7	019.2	296.6	000.2943	0080.4	007.4	68.35
105.0	003.5000	0057.2	019.3	294.2	000.2956	0081.2	007.3	68.79
106.0	003.5000	0057.4	019.3	291.6	000.2969	0083.5	007.2	69.27
107.0	003.5000	0057.6	019.4	288.9	000.2975	0084.7	007.1	69.56
108.0	003.5000	0057.9	019.4	286.2	000.2968	0086.1	007.1	69.79
109.0	003.5000	0058.1	019.4	283.4	000.2960	0086.7	007.1	69.89
110.0	003.5000	0058.4	019.5	280.6	000.2953	0086.9	007.1	69.91
111.0	003.5000	0058.7	019.5	277.9	000.2935	0087.5	007.1	69.89
112.0	003.5000	0059.0	019.6	275.1	000.2913	0089.9	007.2	69.98
113.0	003.5000	0059.1	019.6	272.5	000.2893	0091.1	007.2	69.87
114.0	003.5000	0059.2	019.6	270.0	000.2874	0089.3	007.4	69.36
115.0	003.5000	0059.3	019.6	267.6	000.2892	0086.5	007.5	68.75
116.0	003.5000	0059.2	019.6	265.3	000.2910	0086.7	007.7	68.39
117.0	003.5000	0059.1	019.6	263.3	000.2926	0087.7	007.9	68.09
118.0	003.5000	0059.2	019.6	261.2	000.2942	0088.8	008.1	67.86
119.0	003.5000	0059.6	019.7	259.0	000.2985	0090.0	008.2	67.72
120.0	003.5000	0060.4	019.8	256.7	000.3065	0090.2	008.4	67.58
121.0	003.5000	0061.1	019.9	254.6	000.3139	0090.4	008.5	67.35
122.0	003.5000	0061.4	019.9	252.8	000.3201	0091.0	008.8	67.06
123.0	003.5000	0061.3	019.9	251.4	000.3251	0091.3	009.0	66.63
124.0	003.5000	0061.2	019.9	250.2	000.3294	0091.4	009.3	66.16
125.0	003.5000	0061.0	019.9	249.1	000.3418	0091.5	009.6	65.78
126.0	003.5000	0060.7	019.8	248.2	000.3544	0091.6	009.9	65.39
127.0	003.5000	0060.4	019.8	247.5	000.3650	0091.6	010.3	64.96
128.0	003.5000	0059.8	019.7	246.9	000.3726	0091.6	010.6	64.46
129.0	003.5000	0059.1	019.6	246.6	000.3777	0091.7	011.0	63.93
130.0	003.5000	0058.3	019.5	246.3	000.3809	0091.7	011.3	63.38

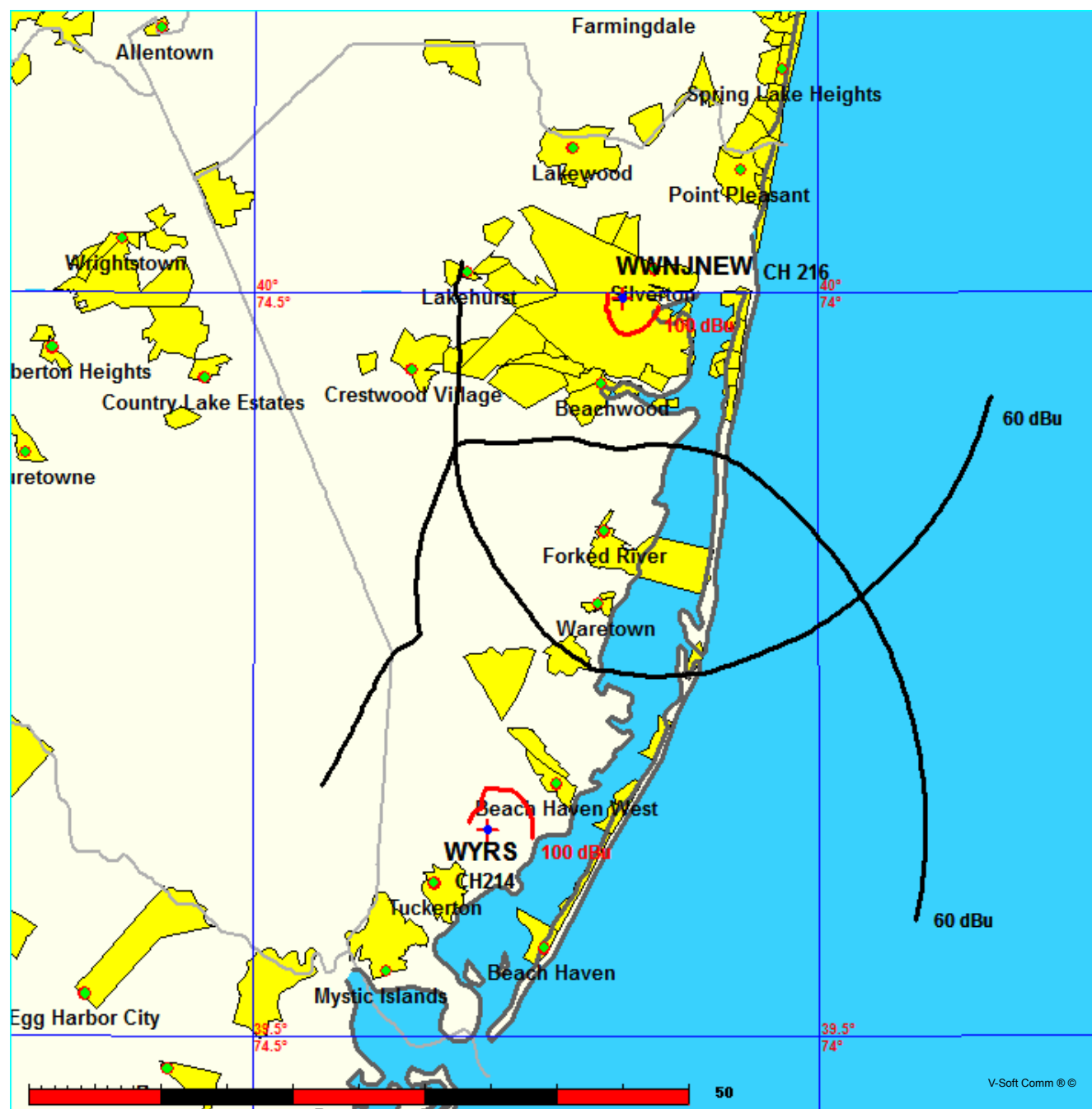
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
131.0	003.5000	0057.5	019.3	246.2	000.3828	0091.7	011.7	62.83
132.0	003.5000	0056.7	019.2	246.1	000.3837	0091.7	012.0	62.29
133.0	003.5000	0055.8	019.0	246.2	000.3835	0091.7	012.4	61.74
134.0	003.5000	0055.0	018.9	246.2	000.3831	0091.7	012.8	61.22
135.0	003.5000	0054.3	018.8	246.2	000.3834	0091.7	013.1	60.74
136.0	003.5000	0053.6	018.7	246.2	000.3833	0091.7	013.5	60.27
137.0	003.5000	0052.9	018.5	246.2	000.3822	0091.7	013.8	59.80
138.0	003.5000	0052.0	018.3	246.5	000.3790	0091.7	014.2	59.32
139.0	003.5000	0051.0	018.1	246.8	000.3737	0091.7	014.5	58.83
140.0	003.5000	0049.9	017.9	247.3	000.3676	0091.6	014.9	58.34
141.0	003.4442	0049.0	017.7	247.9	000.3591	0091.6	015.3	58.05
142.0	003.3889	0048.3	017.4	248.3	000.3527	0091.6	015.6	57.66
143.0	003.3340	0047.9	017.3	248.6	000.3490	0091.5	016.0	57.33
144.0	003.2796	0047.6	017.2	248.8	000.3469	0091.5	016.3	57.03
145.0	003.2256	0047.4	017.0	248.9	000.3448	0091.5	016.6	56.73
146.0	003.1335	0047.2	016.8	249.3	000.3397	0091.5	016.9	56.38
147.0	003.0428	0047.0	016.7	249.7	000.3345	0091.4	017.3	56.03
148.0	002.9534	0046.7	016.5	250.1	000.3298	0091.4	017.6	55.70
149.0	002.8653	0046.2	016.2	250.7	000.3277	0091.3	017.9	55.39
150.0	002.7786	0045.8	016.0	251.2	000.3259	0091.3	018.2	55.10
151.0	002.6913	0045.7	015.8	251.6	000.3246	0091.2	018.5	54.82
152.0	002.6055	0045.6	015.7	251.9	000.3235	0091.2	018.8	54.56
153.0	002.5210	0045.4	015.5	252.3	000.3220	0091.1	019.1	54.29
154.0	002.4379	0044.9	015.3	252.8	000.3201	0091.0	019.4	54.01
155.0	002.3563	0044.4	015.0	253.4	000.3180	0090.8	019.7	53.72
156.0	002.2760	0043.9	014.8	253.9	000.3162	0090.6	020.0	53.44
157.0	002.1971	0043.6	014.6	254.4	000.3147	0090.4	020.3	53.18
158.0	002.1196	0043.5	014.5	254.7	000.3134	0090.4	020.6	52.94
159.0	002.0435	0043.6	014.4	254.9	000.3126	0090.3	020.8	52.72
160.0	001.9688	0043.8	014.3	255.1	000.3121	0090.3	021.1	52.51
161.0	001.9145	0044.2	014.2	255.1	000.3119	0090.3	021.3	52.31
162.0	001.8611	0044.4	014.2	255.3	000.3114	0090.3	021.6	52.10
163.0	001.8084	0044.6	014.1	255.4	000.3109	0090.3	021.8	51.90
164.0	001.7564	0045.0	014.1	255.5	000.3107	0090.3	022.1	51.71
165.0	001.7052	0045.4	014.0	255.6	000.3104	0090.2	022.3	51.51
166.0	001.6548	0045.7	014.0	255.7	000.3099	0090.2	022.6	51.32

WWNJNew vs. WYRS
Mercer County Community College

FMCommander Single Allocation Study - 09-17-2012 - FCC NGDC 30 Sec
WWNJNEW's Overlaps (In= 10.88 km, Out= 8.39 km)

WWNJNEW CH 216 A DA
Lat= 39 59 48.6, Lng= 74 10 22.5
5.8 kW 97 M HAAT, 105.7 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WYRS CH 214 B1 DA BLED20070619ABP
Lat= 39 38 24.0, Lng= 74 17 32.0
15.0 kW 80 M HAAT, 89 M COR
Prot.= 60 dBu, Intef.= 100 dBu



09-17-2012

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WWNJNEW

WYRS BLED20070619ABP

Channel = 216A
 Max ERP = 5.8 kW
 RCAMSL = 105.7 M
 N. Lat. 39 59 48.6
 W. Lng. 74 10 22.5
 Protected
 60 dBu

Channel = 214B1
 Max ERP = 15 kW
 RCAMSL = 89 M
 N. Lat. 39 38 24.0
 W. Lng. 74 17 32.0
 Interfering
 100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
134.0	005.8300	0104.9	028.7	057.4	015.0000	0089.0	036.6	59.98	
135.0	005.8300	0104.8	028.7	057.5	015.0000	0089.0	036.1	60.21	
136.0	005.8300	0104.7	028.7	057.7	015.0000	0089.0	035.6	60.43	
137.0	005.8300	0104.7	028.7	057.8	015.0000	0089.0	035.1	60.65	
138.0	005.8300	0104.6	028.7	058.0	015.0000	0089.0	034.6	60.87	
139.0	005.8300	0104.6	028.7	058.1	015.0000	0089.0	034.1	61.10	
140.0	005.8300	0104.5	028.7	058.2	015.0000	0089.0	033.6	61.32	
141.0	005.8300	0104.5	028.7	058.3	015.0000	0089.0	033.1	61.55	
142.0	005.8300	0104.5	028.7	058.4	015.0000	0089.0	032.6	61.78	
143.0	005.8300	0104.5	028.7	058.5	015.0000	0089.0	032.1	62.02	
144.0	005.8300	0104.5	028.7	058.6	015.0000	0089.0	031.6	62.26	
145.0	005.8300	0104.5	028.7	058.7	015.0000	0089.0	031.1	62.51	
146.0	005.8300	0104.5	028.7	058.7	015.0000	0089.0	030.6	62.77	
147.0	005.8300	0104.5	028.7	058.8	015.0000	0089.0	030.1	63.04	
148.0	005.8300	0104.5	028.7	058.8	015.0000	0089.0	029.6	63.31	
149.0	005.8300	0104.5	028.7	058.8	015.0000	0089.0	029.1	63.60	
150.0	005.8300	0104.4	028.7	058.8	015.0000	0089.0	028.6	63.90	
151.0	005.8300	0104.4	028.7	058.8	015.0000	0089.0	028.1	64.20	
152.0	005.8300	0104.3	028.7	058.7	015.0000	0089.0	027.6	64.51	
153.0	005.8300	0104.2	028.7	058.6	015.0000	0089.0	027.1	64.83	
154.0	005.8300	0104.0	028.6	058.5	015.0000	0089.0	026.6	65.15	
155.0	005.8300	0103.9	028.6	058.3	015.0000	0089.0	026.1	65.48	
156.0	005.8300	0103.8	028.6	058.1	015.0000	0089.0	025.7	65.81	
157.0	005.8300	0103.7	028.6	058.0	015.0000	0089.0	025.2	66.15	
158.0	005.8300	0103.6	028.6	057.7	015.0000	0089.0	024.7	66.50	
159.0	005.8300	0103.6	028.6	057.5	015.0000	0089.0	024.2	66.85	
160.0	005.8300	0103.6	028.6	057.3	015.0000	0089.0	023.7	67.20	
161.0	005.8300	0103.7	028.6	057.0	015.0000	0089.0	023.2	67.56	
162.0	005.8300	0103.8	028.6	056.8	015.0000	0089.0	022.7	67.93	
163.0	005.8300	0103.9	028.6	056.5	015.0000	0089.0	022.2	68.30	
164.0	005.8300	0104.1	028.6	056.1	015.0000	0089.0	021.8	68.67	
165.0	005.8300	0104.3	028.7	055.8	015.0000	0089.0	021.3	69.04	
166.0	005.8300	0104.4	028.7	055.4	015.0000	0089.0	020.8	69.42	
167.0	005.8300	0104.5	028.7	054.9	015.0000	0089.0	020.3	69.79	
168.0	005.8300	0104.4	028.7	054.3	015.0000	0089.0	019.9	70.16	
169.0	005.8300	0104.1	028.6	053.6	015.0000	0089.0	019.4	70.51	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
170.0	005.8300	0103.6	028.6	052.8	015.0000	0089.0	019.0	70.86
171.0	005.8300	0103.1	028.5	051.9	015.0000	0089.0	018.6	71.19
172.0	005.8300	0102.8	028.5	051.0	015.0000	0089.0	018.2	71.53
173.0	005.8300	0102.6	028.5	050.1	015.0000	0089.0	017.8	71.87
174.0	005.8300	0102.6	028.5	049.2	015.0000	0089.0	017.4	72.22
175.0	005.8300	0102.3	028.4	048.1	015.0000	0089.0	017.0	72.53
176.0	005.8300	0101.8	028.3	047.0	015.0000	0089.0	016.7	72.83
177.0	005.8300	0101.1	028.3	045.6	015.0000	0089.0	016.3	73.11
178.0	005.8300	0100.6	028.2	044.3	015.0000	0089.0	016.0	73.37
179.0	005.8300	0100.0	028.1	042.8	015.0000	0089.0	015.7	73.63
180.0	005.8300	0099.5	028.0	041.3	015.0000	0089.0	015.4	73.87
181.0	005.8300	0099.0	028.0	039.8	015.0000	0089.0	015.2	74.10
182.0	005.8300	0098.7	027.9	038.2	015.0000	0089.0	014.9	74.18
183.0	005.8300	0098.6	027.9	036.6	015.0000	0089.0	014.6	74.48
184.0	005.8300	0098.5	027.9	035.0	015.0000	0088.9	014.4	74.76
185.0	005.8300	0098.1	027.9	033.2	015.0000	0088.4	014.2	74.94
186.0	005.6083	0097.7	027.6	030.9	015.0000	0086.7	014.3	74.72
187.0	005.3909	0097.5	027.3	028.8	015.0000	0084.6	014.3	74.43
188.0	005.1777	0097.5	027.1	026.6	015.0000	0082.7	014.4	74.15
189.0	004.9689	0097.6	026.8	024.6	015.0000	0080.3	014.5	73.79
190.0	004.7644	0097.7	026.6	022.6	015.0000	0077.9	014.6	73.40
191.0	004.5703	0097.9	026.4	020.6	015.0000	0074.6	014.7	72.85
192.0	004.3803	0097.9	026.1	018.7	015.0000	0072.1	014.9	72.36
193.0	004.1944	0097.9	025.9	016.9	015.0000	0071.7	015.1	72.31
194.0	004.0124	0097.7	025.6	015.2	015.0000	0071.2	015.4	72.03
195.0	003.8345	0097.3	025.3	013.6	015.0000	0071.5	015.7	71.79
196.0	003.6606	0096.7	024.9	012.1	015.0000	0071.6	016.0	71.49
197.0	003.4908	0096.1	024.6	010.6	015.0000	0070.7	016.4	71.06
198.0	003.3250	0095.7	024.3	009.3	015.0000	0069.5	016.8	70.61
199.0	003.1632	0095.5	024.0	008.1	015.0000	0068.7	017.1	70.20
200.0	003.0055	0095.4	023.7	007.0	015.0000	0068.3	017.5	69.83
201.0	002.8829	0095.5	023.5	005.8	015.0000	0067.7	017.8	69.49
202.0	002.7628	0095.5	023.3	004.8	015.0000	0067.0	018.1	69.13
203.0	002.6453	0095.5	023.0	003.8	015.0000	0066.5	018.5	68.77
204.0	002.5303	0095.5	022.8	002.9	015.0000	0066.4	018.9	68.45
205.0	002.4179	0095.4	022.5	002.1	015.0000	0066.3	019.2	68.13
206.0	002.3081	0095.3	022.3	001.3	015.0000	0066.2	019.6	67.80
207.0	002.2008	0095.1	022.0	000.7	015.0000	0066.2	020.0	67.45
208.0	002.0960	0094.9	021.7	000.1	015.0000	0066.2	020.5	67.11
209.0	001.9938	0094.9	021.5	359.5	015.0000	0066.4	020.9	66.80
210.0	001.8942	0095.1	021.2	358.9	015.0000	0066.6	021.3	66.51
211.0	001.8172	0095.5	021.1	358.4	015.0000	0066.8	021.6	66.26
212.0	001.7418	0095.8	020.9	357.8	015.0000	0067.0	022.0	66.01
213.0	001.6681	0095.9	020.7	357.3	015.0000	0067.1	022.3	65.73
214.0	001.5959	0095.8	020.5	357.0	015.0000	0066.9	022.7	65.41
215.0	001.5253	0095.7	020.2	356.6	015.0000	0066.8	023.1	65.07
216.0	001.4563	0095.5	020.0	356.3	015.0000	0066.6	023.5	64.74
217.0	001.3889	0095.4	019.7	356.1	015.0000	0066.4	024.0	64.41
218.0	001.3232	0095.5	019.5	355.8	015.0000	0066.2	024.4	64.09
219.0	001.2590	0095.6	019.3	355.6	015.0000	0066.0	024.8	63.78
220.0	001.1964	0095.7	019.0	355.5	015.0000	0065.8	025.2	63.47

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
221.0	001.1478	0095.8	018.8		355.2	015.0000	0065.7	025.5	63.19
222.0	001.1001	0095.7	018.6		355.1	015.0000	0065.5	025.9	62.91
223.0	001.0535	0095.5	018.4		355.0	014.9727	0065.5	026.3	62.63
224.0	001.0079	0095.3	018.1		354.9	014.8279	0065.4	026.7	62.32
225.0	000.9634	0095.3	017.9		354.8	014.7022	0065.4	027.1	62.02
226.0	000.9198	0095.3	017.7		354.8	014.6127	0065.3	027.5	61.75
227.0	000.8772	0095.2	017.5		354.8	014.5875	0065.3	027.9	61.50
228.0	000.8357	0094.9	017.2		354.8	014.6852	0065.4	028.3	61.29
229.0	000.7951	0094.3	016.9		355.0	014.9130	0065.4	028.7	61.12
230.0	000.7556	0093.6	016.6		355.1	015.0000	0065.6	029.1	60.91
231.0	000.7248	0093.2	016.4		355.2	015.0000	0065.6	029.5	60.71
232.0	000.6947	0093.1	016.1		355.2	015.0000	0065.6	029.8	60.52
233.0	000.6653	0093.1	015.9		355.2	015.0000	0065.7	030.2	60.33
234.0	000.6364	0093.1	015.7		355.3	015.0000	0065.7	030.5	60.16
235.0	000.6082	0093.0	015.5		355.4	015.0000	0065.8	030.9	59.99
236.0	000.5807	0092.9	015.3		355.4	015.0000	0065.8	031.2	59.83
237.0	000.5538	0092.8	015.1		355.5	015.0000	0065.9	031.5	59.68
238.0	000.5275	0092.8	014.9		355.6	015.0000	0066.0	031.8	59.54
239.0	000.5019	0092.7	014.7		355.7	015.0000	0066.1	032.2	59.41
240.0	000.4769	0092.5	014.5		355.9	015.0000	0066.2	032.5	59.28
241.0	000.4610	0092.0	014.4		355.9	015.0000	0066.2	032.8	59.15
242.0	000.4454	0091.6	014.2		356.0	015.0000	0066.3	033.1	59.03
243.0	000.4301	0091.4	014.1		356.1	015.0000	0066.4	033.4	58.91
244.0	000.4150	0091.5	013.9		356.1	015.0000	0066.4	033.6	58.80
245.0	000.4002	0091.6	013.8		356.1	015.0000	0066.4	033.9	58.68
246.0	000.3857	0091.7	013.7		356.2	015.0000	0066.4	034.2	58.57
247.0	000.3714	0091.6	013.6		356.2	015.0000	0066.5	034.4	58.46
248.0	000.3574	0091.6	013.4		356.3	015.0000	0066.6	034.7	58.35
249.0	000.3437	0091.5	013.3		356.4	015.0000	0066.6	035.0	58.25
250.0	000.3302	0091.4	013.2		356.5	015.0000	0066.7	035.2	58.15
251.0	000.3266	0091.3	013.1		356.5	015.0000	0066.7	035.5	58.05
252.0	000.3231	0091.2	013.1		356.4	015.0000	0066.7	035.7	57.94
253.0	000.3195	0090.9	013.0		356.4	015.0000	0066.6	035.9	57.85

09-17-2012

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WYRS BLED20070619ABP

WWNJNEW

Channel = 214B1

Max ERP = 15 kW

RCAMSL = 89 M

N. Lat. 39 38 24.0

W. Lng. 74 17 32.0

Protected

60 dBu

Channel = 216A

Max ERP = 5.8 kW

RCAMSL = 105.7 M

N. Lat. 39 59 48.6

W. Lng. 74 10 22.5

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
314.0	000.5324	0071.7	013.2	212.8	001.6815	0095.9	036.3	51.27	
315.0	000.5472	0071.4	013.2	212.8	001.6793	0095.9	036.0	51.37	
316.0	000.5622	0071.0	013.3	212.8	001.6791	0095.9	035.8	51.48	
317.0	000.5774	0070.7	013.3	212.9	001.6789	0095.9	035.6	51.59	
318.0	000.5928	0070.6	013.4	212.9	001.6775	0095.9	035.3	51.69	
319.0	000.6084	0070.6	013.5	212.9	001.6753	0095.9	035.1	51.80	
320.0	000.6242	0070.6	013.6	212.9	001.6741	0095.9	034.8	51.91	
321.0	000.6571	0070.3	013.7	213.0	001.6666	0095.9	034.6	52.02	
322.0	000.6908	0069.7	013.8	213.1	001.6623	0095.9	034.3	52.13	
323.0	000.7253	0069.2	014.0	213.1	001.6587	0095.9	034.0	52.24	
324.0	000.7607	0068.8	014.1	213.2	001.6543	0095.9	033.7	52.36	
325.0	000.7970	0068.5	014.2	213.2	001.6503	0095.9	033.5	52.48	
326.0	000.8340	0068.0	014.3	213.3	001.6492	0095.9	033.2	52.60	
327.0	000.8719	0067.5	014.4	213.2	001.6499	0095.9	032.9	52.73	
328.0	000.9107	0066.9	014.5	213.2	001.6518	0095.9	032.7	52.87	
329.0	000.9503	0066.4	014.6	213.2	001.6526	0095.9	032.4	53.00	
330.0	000.9907	0066.1	014.8	213.2	001.6530	0095.9	032.1	53.14	
331.0	001.0234	0065.8	014.9	213.1	001.6582	0095.9	031.8	53.28	
332.0	001.0566	0065.2	014.9	213.0	001.6678	0095.9	031.6	53.44	
333.0	001.0903	0064.3	014.9	212.8	001.6829	0095.9	031.3	53.59	
334.0	001.1245	0063.4	014.9	212.6	001.6991	0095.9	031.1	53.75	
335.0	001.1593	0062.6	015.0	212.4	001.7150	0095.8	030.9	53.91	
336.0	001.1946	0061.7	015.0	212.1	001.7324	0095.8	030.6	54.07	
337.0	001.2304	0060.9	015.0	211.9	001.7510	0095.7	030.4	54.24	
338.0	001.2667	0060.3	015.1	211.7	001.7672	0095.7	030.2	54.40	
339.0	001.3036	0060.2	015.2	211.5	001.7784	0095.6	029.9	54.58	
340.0	001.3410	0060.4	015.3	211.4	001.7860	0095.6	029.6	54.76	
341.0	001.7330	0060.8	016.5	212.9	001.6751	0095.9	028.6	55.07	
342.0	002.1751	0061.6	017.7	214.4	001.5665	0095.8	027.7	55.36	
343.0	002.6675	0062.6	018.8	215.9	001.4648	0095.5	026.7	55.64	
344.0	003.2100	0063.7	019.8	217.3	001.3711	0095.4	025.8	55.95	
345.0	003.8027	0064.5	020.8	218.5	001.2889	0095.5	025.0	56.29	
346.0	004.4456	0064.8	021.6	219.6	001.2228	0095.7	024.2	56.64	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
347.0	005.1386	0064.8	022.4	220.5	001.1728	0095.8	023.4	57.02
348.0	005.8819	0064.7	023.1	221.3	001.1343	0095.8	022.7	57.42
349.0	006.6753	0064.7	023.7	222.0	001.0989	0095.7	022.0	57.83
350.0	007.5190	0064.6	024.4	222.7	001.0672	0095.5	021.2	58.25
351.0	008.8105	0064.4	025.2	223.8	001.0148	0095.4	020.4	58.69
352.0	010.2044	0064.2	026.0	224.9	000.9663	0095.3	019.5	59.15
353.0	011.7006	0064.4	026.9	226.1	000.9145	0095.3	018.7	59.62
354.0	013.2992	0064.9	027.8	227.4	000.8604	0095.1	017.8	60.09
355.0	015.0000	0065.5	028.6	228.8	000.8042	0094.4	016.8	60.50
356.0	015.0000	0066.3	028.8	228.2	000.8292	0094.8	016.3	61.08
357.0	015.0000	0067.0	028.9	227.4	000.8616	0095.1	015.9	61.67
358.0	015.0000	0066.9	028.9	226.1	000.9135	0095.3	015.5	62.26
359.0	015.0000	0066.6	028.8	224.7	000.9772	0095.3	015.2	62.83
000.0	015.0000	0066.2	028.8	223.1	001.0467	0095.5	014.9	63.29
001.0	015.0000	0066.2	028.8	221.7	001.1149	0095.7	014.5	63.96
002.0	015.0000	0066.3	028.8	220.2	001.1870	0095.7	014.2	64.63
003.0	015.0000	0066.4	028.8	218.6	001.2845	0095.5	013.9	65.34
004.0	015.0000	0066.6	028.8	216.9	001.3935	0095.4	013.6	66.07
005.0	015.0000	0067.2	028.9	215.4	001.5009	0095.6	013.2	66.88
006.0	015.0000	0067.8	029.1	213.7	001.6199	0095.9	012.9	67.71
007.0	015.0000	0068.3	029.2	211.8	001.7556	0095.7	012.6	68.49
008.0	015.0000	0068.7	029.2	209.8	001.9153	0095.1	012.3	69.19
009.0	015.0000	0069.2	029.3	207.7	002.1274	0095.0	012.0	70.04
010.0	015.0000	0070.1	029.5	205.6	002.3542	0095.4	011.7	71.00
011.0	015.0000	0071.0	029.7	203.3	002.6121	0095.5	011.5	71.89
012.0	015.0000	0071.6	029.8	200.8	002.9046	0095.4	011.2	72.67
013.0	015.0000	0071.6	029.8	198.2	003.2926	0095.7	011.2	73.36
014.0	015.0000	0071.3	029.7	195.5	003.7426	0097.0	011.2	73.99
015.0	015.0000	0071.2	029.7	192.9	004.2153	0097.9	011.2	74.52
016.0	015.0000	0071.4	029.7	190.2	004.7195	0097.8	011.2	75.04
017.0	015.0000	0071.7	029.8	187.6	005.2690	0097.5	011.2	75.46
018.0	015.0000	0071.9	029.8	185.0	005.8300	0098.1	011.3	75.83
019.0	015.0000	0072.3	029.9	182.3	005.8300	0098.7	011.4	75.80
020.0	015.0000	0073.5	030.1	179.4	005.8300	0099.8	011.3	75.97
021.0	015.0000	0075.3	030.5	176.3	005.8300	0101.6	011.2	76.29
022.0	015.0000	0077.0	030.8	173.1	005.8300	0102.6	011.1	76.47
023.0	015.0000	0078.5	031.1	170.0	005.8300	0103.7	011.2	76.51
024.0	015.0000	0079.7	031.3	167.0	005.8300	0104.5	011.3	76.37
025.0	015.0000	0080.8	031.5	164.2	005.8300	0104.1	011.5	76.06
026.0	015.0000	0082.0	031.8	161.4	005.8300	0103.7	011.7	75.71
027.0	015.0000	0083.1	032.0	158.8	005.8300	0103.6	011.9	75.30
028.0	015.0000	0083.9	032.1	156.5	005.8300	0103.7	012.3	74.84
029.0	015.0000	0084.8	032.3	154.4	005.8300	0104.0	012.6	74.36
030.0	015.0000	0085.8	032.5	152.3	005.8300	0104.2	013.0	73.87
031.0	015.0000	0086.8	032.7	150.3	005.8300	0104.4	013.4	73.37
032.0	015.0000	0087.6	032.9	148.5	005.8300	0104.5	013.8	72.83
033.0	015.0000	0088.3	033.0	147.1	005.8300	0104.5	014.3	72.26
034.0	015.0000	0088.7	033.1	145.9	005.8300	0104.5	014.8	71.69
035.0	015.0000	0088.9	033.1	145.0	005.8300	0104.5	015.3	71.32
036.0	015.0000	0089.0	033.1	144.2	005.8300	0104.5	015.8	70.86
037.0	015.0000	0089.0	033.1	143.6	005.8300	0104.5	016.4	70.40

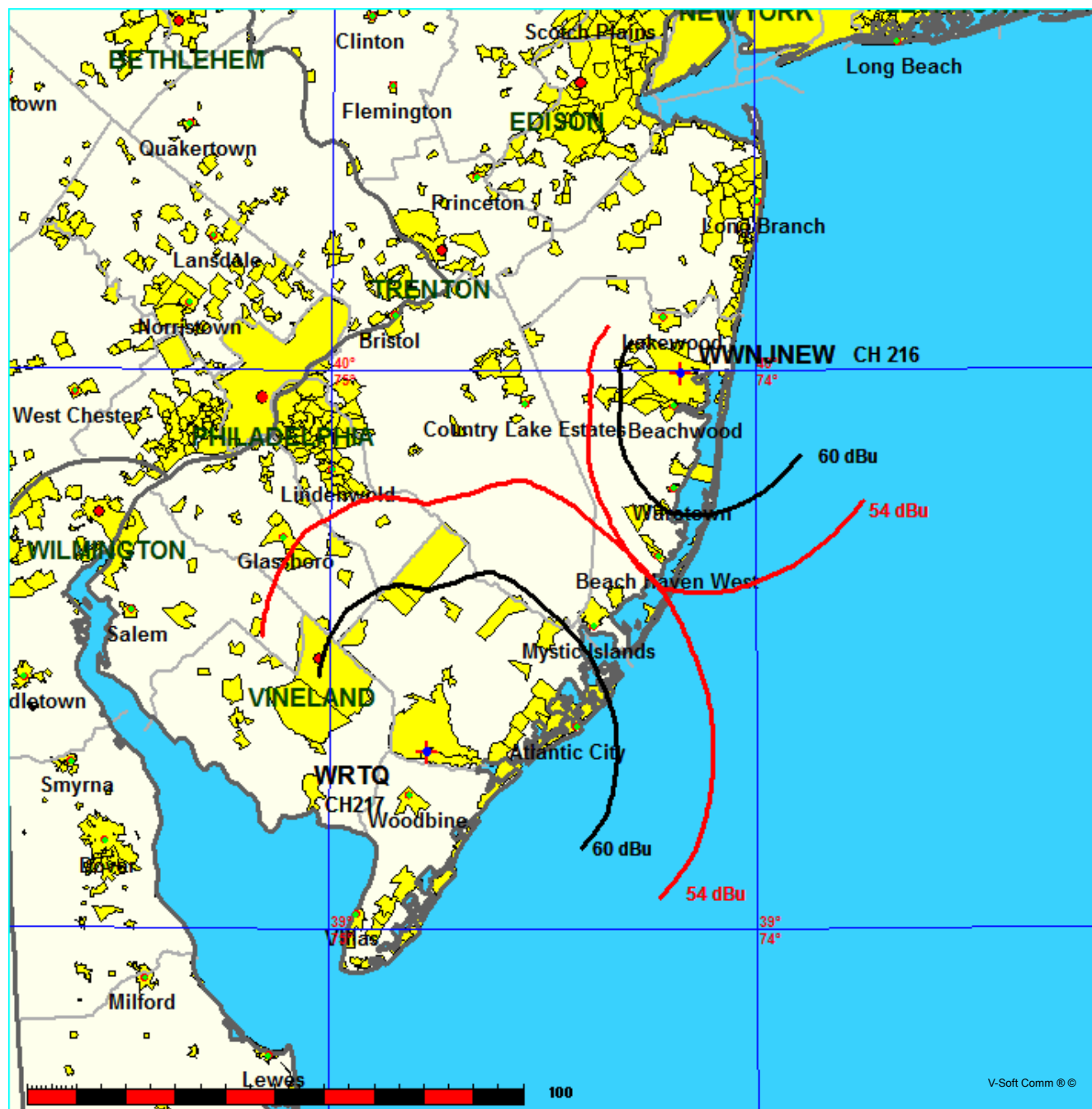
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
038.0	015.0000	0089.0	033.1	143.1	005.8300	0104.5	016.9	69.93
039.0	015.0000	0089.0	033.1	142.6	005.8300	0104.5	017.5	69.47
040.0	015.0000	0089.0	033.1	142.2	005.8300	0104.5	018.1	69.01
041.0	015.0000	0089.0	033.1	141.8	005.8300	0104.5	018.6	68.54
042.0	015.0000	0089.0	033.1	141.5	005.8300	0104.5	019.2	68.08
043.0	015.0000	0089.0	033.1	141.3	005.8300	0104.5	019.8	67.62
044.0	015.0000	0089.0	033.1	141.0	005.8300	0104.5	020.3	67.17
045.0	015.0000	0089.0	033.1	140.9	005.8300	0104.5	020.9	66.72
046.0	015.0000	0089.0	033.1	140.7	005.8300	0104.5	021.5	66.27
047.0	015.0000	0089.0	033.1	140.6	005.8300	0104.5	022.1	65.83
048.0	015.0000	0089.0	033.1	140.5	005.8300	0104.5	022.6	65.39
049.0	015.0000	0089.0	033.1	140.5	005.8300	0104.5	023.2	64.96
050.0	015.0000	0089.0	033.1	140.5	005.8300	0104.5	023.8	64.53
051.0	015.0000	0089.0	033.1	140.5	005.8300	0104.5	024.4	64.12
052.0	015.0000	0089.0	033.1	140.5	005.8300	0104.5	024.9	63.71
053.0	015.0000	0089.0	033.1	140.5	005.8300	0104.5	025.5	63.31
054.0	015.0000	0089.0	033.1	140.6	005.8300	0104.5	026.1	62.91
055.0	015.0000	0089.0	033.1	140.7	005.8300	0104.5	026.7	62.53
056.0	015.0000	0089.0	033.1	140.8	005.8300	0104.5	027.2	62.15
057.0	015.0000	0089.0	033.1	140.9	005.8300	0104.5	027.8	61.79
058.0	015.0000	0089.0	033.1	141.0	005.8300	0104.5	028.4	61.43
059.0	015.0000	0089.0	033.1	141.2	005.8300	0104.5	029.0	61.08
060.0	015.0000	0089.0	033.1	141.3	005.8300	0104.5	029.5	60.75
061.0	015.0000	0089.0	033.1	141.5	005.8300	0104.5	030.1	60.43
062.0	015.0000	0089.0	033.1	141.7	005.8300	0104.5	030.7	60.11
063.0	015.0000	0089.0	033.1	141.9	005.8300	0104.5	031.3	59.81
064.0	015.0000	0089.0	033.1	142.1	005.8300	0104.5	031.8	59.53
065.0	015.0000	0089.0	033.1	142.3	005.8300	0104.5	032.4	59.25
066.0	015.0000	0089.0	033.1	142.6	005.8300	0104.5	032.9	58.98
067.0	015.0000	0089.0	033.1	142.8	005.8300	0104.5	033.5	58.71
068.0	015.0000	0089.0	033.1	143.1	005.8300	0104.5	034.1	58.45
069.0	015.0000	0089.0	033.1	143.3	005.8300	0104.5	034.6	58.19
070.0	015.0000	0089.0	033.1	143.6	005.8300	0104.5	035.2	57.93
071.0	015.0000	0089.0	033.1	143.8	005.8300	0104.5	035.7	57.67
072.0	015.0000	0089.0	033.1	144.1	005.8300	0104.5	036.3	57.42
073.0	015.0000	0089.0	033.1	144.4	005.8300	0104.5	036.8	57.17

WWNJNew vs. WRTQ
Mercer County Community College

FMCommander Single Allocation Study - 09-17-2012 - FCC NGDC 30 Sec
WWNJNEW's Overlaps (In= 11.34 km, Out= 21.79 km)

WWNJNEW CH 216 A DA
Lat= 39 59 48.6, Lng= 74 10 22.5
5.8 kW 97 M HAAT, 105.7 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WRTQ CH 217 B1 DA BLED20071009AIT
Lat= 39 19 14.0, Lng= 74 46 18.0
13.5 kW 120 M HAAT, 129 M COR
Prot.= 60 dBu, Intef.= 54 dBu



09-17-2012

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WWNJNEW

WRTQ BLED20071009AIT

Channel = 216A

Max ERP = 5.8 kW

RCAMSL = 105.7 M

N. Lat. 39 59 48.6

W. Lng. 74 10 22.5

Protected

60 dBu

Channel = 217B1

Max ERP = 13.5 kW

RCAMSL = 129 M

N. Lat. 39 19 14.0

W. Lng. 74 46 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)
154.0	005.8300	0104.0	028.6	052.0	013.4356	0123.5	080.8	46.27	
155.0	005.8300	0103.9	028.6	051.9	013.4348	0123.5	080.3	46.42	
156.0	005.8300	0103.8	028.6	051.9	013.4341	0123.5	079.8	46.56	
157.0	005.8300	0103.7	028.6	051.8	013.4333	0123.4	079.3	46.69	
158.0	005.8300	0103.6	028.6	051.7	013.4325	0123.4	078.8	46.83	
159.0	005.8300	0103.6	028.6	051.6	013.4317	0123.4	078.3	46.97	
160.0	005.8300	0103.6	028.6	051.4	013.4308	0123.3	077.9	47.11	
161.0	005.8300	0103.7	028.6	051.3	013.4299	0123.3	077.4	47.25	
162.0	005.8300	0103.8	028.6	051.2	013.4290	0123.3	076.9	47.38	
163.0	005.8300	0103.9	028.6	051.1	013.4280	0123.2	076.5	47.52	
164.0	005.8300	0104.1	028.6	051.0	013.4270	0123.2	076.0	47.66	
165.0	005.8300	0104.3	028.7	050.8	013.4260	0123.1	075.5	47.79	
166.0	005.8300	0104.4	028.7	050.7	013.4248	0123.1	075.1	47.93	
167.0	005.8300	0104.5	028.7	050.5	013.4235	0123.0	074.6	48.06	
168.0	005.8300	0104.4	028.7	050.4	013.4221	0122.9	074.2	48.19	
169.0	005.8300	0104.1	028.6	050.2	013.4204	0122.8	073.7	48.31	
170.0	005.8300	0103.6	028.6	049.9	013.4152	0122.7	073.3	48.43	
171.0	005.8300	0103.1	028.5	049.7	013.4009	0122.6	072.9	48.53	
172.0	005.8300	0102.8	028.5	049.5	013.3871	0122.5	072.5	48.65	
173.0	005.8300	0102.6	028.5	049.2	013.3738	0122.4	072.1	48.76	
174.0	005.8300	0102.6	028.5	049.0	013.3608	0122.4	071.7	48.88	
175.0	005.8300	0102.3	028.4	048.8	013.3456	0122.4	071.3	48.99	
176.0	005.8300	0101.8	028.3	048.5	013.3295	0122.4	071.0	49.09	
177.0	005.8300	0101.1	028.3	048.2	013.3119	0122.4	070.7	49.19	
178.0	005.8300	0100.6	028.2	047.9	013.2944	0122.5	070.3	49.29	
179.0	005.8300	0100.0	028.1	047.6	013.2765	0122.6	070.0	49.40	
180.0	005.8300	0099.5	028.0	047.3	013.2583	0122.8	069.7	49.50	
181.0	005.8300	0099.0	028.0	047.0	013.2398	0122.9	069.4	49.59	
182.0	005.8300	0098.7	027.9	046.7	013.2220	0123.1	069.0	49.69	
183.0	005.8300	0098.6	027.9	046.4	013.2046	0123.2	068.7	49.80	
184.0	005.8300	0098.5	027.9	046.1	013.1865	0123.3	068.4	49.89	
185.0	005.8300	0098.1	027.9	045.7	013.1670	0123.3	068.1	49.98	
186.0	005.6083	0097.7	027.6	045.3	013.1396	0123.4	068.0	50.00	
187.0	005.3909	0097.5	027.3	044.8	013.1131	0123.4	067.9	50.02	
188.0	005.1777	0097.5	027.1	044.4	013.0872	0123.4	067.8	50.04	
189.0	004.9689	0097.6	026.8	043.9	013.0616	0123.3	067.8	50.06	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
190.0	004.7644	0097.7	026.6	043.5	013.0361	0123.3	067.7	50.07
191.0	004.5703	0097.9	026.4	043.1	013.0108	0123.2	067.6	50.08
192.0	004.3803	0097.9	026.1	042.6	012.9852	0123.2	067.6	50.07
193.0	004.1944	0097.9	025.9	042.2	012.9597	0123.1	067.6	50.06
194.0	004.0124	0097.7	025.6	041.7	012.9340	0123.1	067.6	50.04
195.0	003.8345	0097.3	025.3	041.3	012.9077	0123.0	067.7	50.01
196.0	003.6606	0096.7	024.9	040.8	012.8811	0122.9	067.8	49.96
197.0	003.4908	0096.1	024.6	040.4	012.8549	0122.9	067.9	49.91
198.0	003.3250	0095.7	024.3	039.9	012.8375	0122.8	068.1	49.86
199.0	003.1632	0095.5	024.0	039.5	012.8653	0122.8	068.2	49.83
200.0	003.0055	0095.4	023.7	039.1	012.8924	0122.8	068.3	49.79
201.0	002.8829	0095.5	023.5	038.7	012.9178	0122.7	068.4	49.78
202.0	002.7628	0095.5	023.3	038.3	012.9429	0122.7	068.5	49.76
203.0	002.6453	0095.5	023.0	038.0	012.9678	0122.7	068.6	49.73
204.0	002.5303	0095.5	022.8	037.6	012.9925	0122.7	068.7	49.70
205.0	002.4179	0095.4	022.5	037.2	013.0168	0122.7	068.9	49.66
206.0	002.3081	0095.3	022.3	036.9	013.0407	0122.7	069.1	49.61
207.0	002.2008	0095.1	022.0	036.5	013.0642	0122.7	069.2	49.56
208.0	002.0960	0094.9	021.7	036.2	013.0873	0122.8	069.5	49.50
209.0	001.9938	0094.9	021.5	035.8	013.1096	0122.8	069.7	49.45
210.0	001.8942	0095.1	021.2	035.5	013.1313	0122.8	069.9	49.40
211.0	001.8172	0095.5	021.1	035.2	013.1522	0122.9	070.0	49.37
212.0	001.7418	0095.8	020.9	034.9	013.1727	0123.0	070.2	49.33
213.0	001.6681	0095.9	020.7	034.6	013.1929	0123.1	070.3	49.28
214.0	001.5959	0095.8	020.5	034.3	013.2126	0123.1	070.6	49.22
215.0	001.5253	0095.7	020.2	034.0	013.2318	0123.2	070.8	49.16
216.0	001.4563	0095.5	020.0	033.7	013.2504	0123.3	071.1	49.09
217.0	001.3889	0095.4	019.7	033.4	013.2684	0123.4	071.3	49.02
218.0	001.3232	0095.5	019.5	033.2	013.2859	0123.5	071.6	48.96
219.0	001.2590	0095.6	019.3	032.9	013.3028	0123.6	071.8	48.89
220.0	001.1964	0095.7	019.0	032.7	013.3191	0123.7	072.1	48.81
221.0	001.1478	0095.8	018.8	032.5	013.3351	0123.8	072.4	48.75
222.0	001.1001	0095.7	018.6	032.2	013.3505	0123.9	072.6	48.68
223.0	001.0535	0095.5	018.4	032.0	013.3652	0123.9	072.9	48.60
224.0	001.0079	0095.3	018.1	031.8	013.3792	0124.0	073.2	48.52
225.0	000.9634	0095.3	017.9	031.6	013.3929	0124.1	073.5	48.44
226.0	000.9198	0095.3	017.7	031.4	013.4059	0124.2	073.8	48.36
227.0	000.8772	0095.2	017.5	031.2	013.4183	0124.2	074.1	48.28
228.0	000.8357	0094.9	017.2	031.0	013.4296	0124.3	074.4	48.18
229.0	000.7951	0094.3	016.9	030.9	013.4397	0124.3	074.8	48.08
230.0	000.7556	0093.6	016.6	030.8	013.4490	0124.4	075.2	47.97
231.0	000.7248	0093.2	016.4	030.6	013.4588	0124.5	075.5	47.88
232.0	000.6947	0093.1	016.1	030.5	013.4686	0124.5	075.8	47.79
233.0	000.6653	0093.1	015.9	030.3	013.4781	0124.6	076.1	47.71
234.0	000.6364	0093.1	015.7	030.2	013.4871	0124.6	076.4	47.63
235.0	000.6082	0093.0	015.5	030.1	013.4953	0124.7	076.7	47.54
236.0	000.5807	0092.9	015.3	030.0	013.5000	0124.7	077.0	47.46
237.0	000.5538	0092.8	015.1	029.8	013.5000	0124.8	077.3	47.37
238.0	000.5275	0092.8	014.9	029.7	013.5000	0124.8	077.6	47.29
239.0	000.5019	0092.7	014.7	029.6	013.5000	0124.8	077.9	47.20
240.0	000.4769	0092.5	014.5	029.6	013.5000	0124.8	078.2	47.11

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
241.0	000.4610	0092.0	014.4		029.5	013.5000	0124.9	078.5	47.03
242.0	000.4454	0091.6	014.2		029.4	013.5000	0124.9	078.7	46.95
243.0	000.4301	0091.4	014.1		029.3	013.5000	0124.9	079.0	46.88
244.0	000.4150	0091.5	013.9		029.2	013.5000	0124.9	079.2	46.81
245.0	000.4002	0091.6	013.8		029.1	013.5000	0125.0	079.4	46.75
246.0	000.3857	0091.7	013.7		029.0	013.5000	0125.0	079.7	46.68
247.0	000.3714	0091.6	013.6		028.9	013.5000	0125.0	079.9	46.60
248.0	000.3574	0091.6	013.4		028.8	013.5000	0125.0	080.2	46.53
249.0	000.3437	0091.5	013.3		028.8	013.5000	0125.0	080.4	46.46
250.0	000.3302	0091.4	013.2		028.7	013.5000	0125.0	080.7	46.38
251.0	000.3266	0091.3	013.1		028.6	013.5000	0125.0	080.9	46.33
252.0	000.3231	0091.2	013.1		028.5	013.5000	0125.0	081.1	46.28
253.0	000.3195	0090.9	013.0		028.4	013.5000	0125.0	081.3	46.22
254.0	000.3160	0090.6	013.0		028.3	013.5000	0125.0	081.5	46.16
255.0	000.3124	0090.3	012.9		028.2	013.5000	0125.0	081.7	46.10
256.0	000.3089	0090.2	012.9		028.2	013.5000	0125.0	081.8	46.05
257.0	000.3055	0090.2	012.8		028.1	013.5000	0125.1	082.0	45.99
258.0	000.3020	0090.3	012.8		028.0	013.5000	0125.1	082.2	45.94
259.0	000.2986	0090.0	012.8		027.9	013.5000	0125.1	082.4	45.88
260.0	000.2951	0089.6	012.7		027.8	013.5000	0125.1	082.6	45.81
261.0	000.2944	0089.0	012.6		027.8	013.5000	0125.1	082.9	45.75
262.0	000.2936	0088.3	012.6		027.7	013.5000	0125.1	083.1	45.69
263.0	000.2928	0087.8	012.5		027.7	013.5000	0125.1	083.3	45.63
264.0	000.2920	0087.3	012.5		027.6	013.5000	0125.1	083.5	45.58
265.0	000.2912	0086.9	012.5		027.5	013.5000	0125.1	083.7	45.52
266.0	000.2904	0086.5	012.4		027.5	013.5000	0125.1	083.9	45.46
267.0	000.2897	0086.4	012.4		027.4	013.5000	0125.1	084.1	45.40
268.0	000.2889	0086.8	012.4		027.3	013.5000	0125.1	084.2	45.35
269.0	000.2881	0088.1	012.5		027.2	013.5000	0125.1	084.4	45.31
270.0	000.2873	0089.4	012.6		027.1	013.5000	0125.2	084.6	45.26
271.0	000.2881	0090.6	012.7		027.0	013.5000	0125.2	084.7	45.22
272.0	000.2889	0091.2	012.7		026.9	013.5000	0125.2	084.9	45.17
273.0	000.2897	0091.0	012.7		026.8	013.5000	0125.2	085.1	45.11

09-17-2012

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WRTQ BLED20071009AIT

WWNJNEW

Channel = 217B1

Max ERP = 13.5 kW

RCAMSL = 129 M

N. Lat. 39 19 14.0

W. Lng. 74 46 18.0

Protected

60 dBu

Channel = 216A

Max ERP = 5.8 kW

RCAMSL = 105.7 M

N. Lat. 39 59 48.6

W. Lng. 74 10 22.5

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
334.0	008.8705	0111.5	032.6	235.2	000.6017	0092.9	079.8	31.56	
335.0	008.9121	0111.6	032.7	235.2	000.6023	0092.9	079.3	31.71	
336.0	008.9538	0111.7	032.8	235.2	000.6033	0092.9	078.7	31.88	
337.0	008.9957	0112.0	032.8	235.1	000.6042	0093.0	078.1	32.04	
338.0	009.0376	0112.3	032.9	235.1	000.6051	0093.0	077.6	32.21	
339.0	009.0796	0112.8	033.0	235.1	000.6061	0093.0	077.0	32.38	
340.0	009.1217	0113.4	033.1	235.1	000.6066	0093.0	076.4	32.55	
341.0	009.0996	0114.5	033.3	235.0	000.6074	0093.0	075.8	32.72	
342.0	009.0774	0115.9	033.4	235.0	000.6078	0093.0	075.2	32.89	
343.0	009.0553	0116.9	033.5	235.0	000.6092	0093.0	074.6	33.07	
344.0	009.0332	0117.4	033.6	234.8	000.6125	0093.0	074.0	33.25	
345.0	009.0111	0117.5	033.6	234.7	000.6171	0093.0	073.5	33.44	
346.0	008.9891	0117.5	033.5	234.5	000.6222	0093.0	073.0	33.63	
347.0	008.9670	0117.6	033.5	234.3	000.6274	0093.0	072.4	33.82	
348.0	008.9450	0117.7	033.5	234.1	000.6328	0093.1	071.9	34.01	
349.0	008.9231	0117.8	033.5	233.9	000.6386	0093.1	071.4	34.20	
350.0	008.9011	0117.8	033.5	233.7	000.6448	0093.1	070.8	34.40	
351.0	008.7223	0117.9	033.4	233.4	000.6542	0093.1	070.4	34.59	
352.0	008.5452	0118.0	033.2	233.0	000.6640	0093.1	070.0	34.78	
353.0	008.3700	0117.7	033.0	232.7	000.6750	0093.1	069.6	34.97	
354.0	008.1966	0117.5	032.8	232.3	000.6862	0093.1	069.2	35.15	
355.0	008.0250	0117.4	032.6	231.9	000.6976	0093.1	068.8	35.34	
356.0	007.8552	0117.5	032.5	231.5	000.7088	0093.1	068.4	35.52	
357.0	007.6872	0117.8	032.3	231.2	000.7200	0093.2	068.0	35.70	
358.0	007.5210	0118.1	032.2	230.8	000.7316	0093.3	067.7	35.88	
359.0	007.3567	0118.4	032.1	230.4	000.7434	0093.4	067.3	36.07	
000.0	007.1942	0118.6	031.9	230.0	000.7560	0093.6	067.0	36.25	
001.0	007.3726	0118.8	032.1	229.8	000.7628	0093.8	066.4	36.46	
002.0	007.5533	0119.0	032.4	229.6	000.7703	0093.9	065.8	36.68	
003.0	007.7362	0119.0	032.5	229.4	000.7789	0094.0	065.3	36.90	
004.0	007.9212	0119.0	032.7	229.2	000.7882	0094.2	064.8	37.12	
005.0	008.1084	0119.1	032.9	228.9	000.7978	0094.3	064.2	37.35	
006.0	008.2979	0119.6	033.2	228.7	000.8071	0094.5	063.6	37.58	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
007.0	008.4895	0120.2	033.4	228.5	000.8170	0094.6	063.1	37.83
008.0	008.6833	0120.8	033.7	228.2	000.8274	0094.8	062.5	38.08
009.0	008.8792	0121.4	033.9	227.9	000.8389	0094.9	061.9	38.33
010.0	009.0774	0122.2	034.2	227.6	000.8506	0095.0	061.4	38.59
011.0	009.4803	0122.9	034.6	227.4	000.8595	0095.1	060.7	38.87
012.0	009.8919	0123.6	035.0	227.2	000.8694	0095.2	060.0	39.17
013.0	010.3123	0124.2	035.4	226.9	000.8809	0095.2	059.3	39.46
014.0	010.7415	0124.7	035.8	226.6	000.8937	0095.3	058.6	39.76
015.0	011.1793	0125.3	036.2	226.3	000.9076	0095.3	058.0	40.07
016.0	011.6260	0126.0	036.6	225.9	000.9226	0095.3	057.3	40.38
017.0	012.0814	0126.6	037.0	225.6	000.9392	0095.3	056.7	40.69
018.0	012.5455	0126.9	037.3	225.1	000.9577	0095.3	056.1	41.00
019.0	013.0184	0126.9	037.6	224.7	000.9784	0095.3	055.5	41.29
020.0	013.5000	0126.6	037.9	224.1	001.0014	0095.3	055.0	41.58
021.0	013.5000	0126.2	037.8	223.5	001.0310	0095.4	054.8	41.79
022.0	013.5000	0126.0	037.8	222.8	001.0609	0095.5	054.6	42.01
023.0	013.5000	0126.1	037.8	222.2	001.0911	0095.7	054.3	42.23
024.0	013.5000	0126.1	037.8	221.5	001.1223	0095.7	054.1	42.44
025.0	013.5000	0125.9	037.8	220.9	001.1548	0095.8	054.0	42.62
026.0	013.5000	0125.5	037.7	220.2	001.1884	0095.7	053.9	42.79
027.0	013.5000	0125.2	037.7	219.5	001.2293	0095.7	053.7	42.97
028.0	013.5000	0125.1	037.7	218.8	001.2730	0095.6	053.6	43.16
029.0	013.5000	0125.0	037.7	218.1	001.3177	0095.5	053.5	43.34
030.0	013.5000	0124.7	037.6	217.4	001.3636	0095.4	053.5	43.51
031.0	013.4326	0124.3	037.5	216.7	001.4108	0095.4	053.5	43.65
032.0	013.3653	0123.9	037.5	216.0	001.4585	0095.5	053.5	43.79
033.0	013.2983	0123.6	037.4	215.3	001.5068	0095.6	053.6	43.92
034.0	013.2314	0123.2	037.3	214.6	001.5556	0095.7	053.6	44.04
035.0	013.1646	0123.0	037.2	213.9	001.6048	0095.8	053.7	44.15
036.0	013.0980	0122.8	037.2	213.2	001.6545	0095.9	053.8	44.26
037.0	013.0316	0122.7	037.1	212.5	001.7046	0095.8	053.9	44.35
038.0	012.9654	0122.7	037.1	211.8	001.7551	0095.7	054.0	44.43
039.0	012.8993	0122.7	037.0	211.1	001.8060	0095.5	054.1	44.49
040.0	012.8334	0122.8	037.0	210.5	001.8573	0095.3	054.2	44.55
041.0	012.8914	0123.0	037.1	209.8	001.9142	0095.1	054.3	44.64
042.0	012.9495	0123.1	037.1	209.1	001.9819	0094.9	054.4	44.75
043.0	013.0078	0123.2	037.2	208.4	002.0503	0094.9	054.5	44.85
044.0	013.0661	0123.4	037.2	207.8	002.1195	0094.9	054.6	44.95
045.0	013.1246	0123.4	037.2	207.1	002.1889	0095.1	054.8	45.04
046.0	013.1833	0123.3	037.3	206.5	002.2582	0095.2	055.0	45.12
047.0	013.2420	0122.9	037.3	205.8	002.3263	0095.3	055.2	45.17
048.0	013.3009	0122.5	037.2	205.2	002.3939	0095.4	055.5	45.20
049.0	013.3600	0122.4	037.3	204.6	002.4634	0095.4	055.7	45.24
050.0	013.4191	0122.7	037.3	204.0	002.5354	0095.5	055.9	45.29
051.0	013.4272	0123.2	037.4	203.3	002.6066	0095.5	056.2	45.32
052.0	013.4353	0123.5	037.4	202.7	002.6767	0095.5	056.5	45.33
053.0	013.4434	0123.7	037.5	202.1	002.7456	0095.5	056.8	45.33
054.0	013.4514	0123.9	037.5	201.6	002.8139	0095.5	057.1	45.32
055.0	013.4595	0124.1	037.5	201.0	002.8816	0095.5	057.4	45.29
056.0	013.4676	0124.3	037.6	200.5	002.9487	0095.4	057.8	45.26
057.0	013.4757	0124.5	037.6	199.9	003.0176	0095.4	058.1	45.23

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
058.0	013.4838	0124.6	037.6		199.4	003.0998	0095.4	058.5	45.21
059.0	013.4919	0124.8	037.6		198.9	003.1804	0095.5	058.9	45.19
060.0	013.5000	0124.8	037.6		198.4	003.2590	0095.6	059.4	45.15
061.0	013.5000	0124.8	037.6		197.9	003.3346	0095.8	059.8	45.10
062.0	013.5000	0124.8	037.6		197.5	003.4084	0095.9	060.3	45.04
063.0	013.5000	0124.7	037.6		197.1	003.4801	0096.1	060.7	44.98
064.0	013.5000	0124.6	037.6		196.6	003.5502	0096.3	061.2	44.92
065.0	013.5000	0124.6	037.6		196.2	003.6186	0096.5	061.7	44.85
066.0	013.5000	0124.5	037.6		195.9	003.6851	0096.8	062.2	44.78
067.0	013.5000	0124.5	037.6		195.5	003.7505	0097.1	062.7	44.71
068.0	013.5000	0124.6	037.6		195.1	003.8152	0097.3	063.2	44.63
069.0	013.5000	0124.7	037.6		194.7	003.8795	0097.5	063.8	44.55
070.0	013.5000	0125.0	037.7		194.4	003.9435	0097.6	064.3	44.47
071.0	013.5000	0125.4	037.7		194.0	004.0073	0097.7	064.8	44.39
072.0	013.5000	0125.8	037.8		193.7	004.0696	0097.8	065.3	44.30
073.0	013.5000	0126.1	037.8		193.4	004.1282	0097.8	065.9	44.20
074.0	013.5000	0126.3	037.8		193.1	004.1829	0097.9	066.5	44.09
075.0	013.5000	0126.5	037.8		192.8	004.2361	0097.9	067.0	43.97
076.0	013.5000	0126.9	037.9		192.5	004.2895	0097.9	067.6	43.86
077.0	013.5000	0127.5	038.0		192.2	004.3445	0097.9	068.2	43.74
078.0	013.5000	0128.1	038.0		191.9	004.3987	0097.9	068.7	43.63
079.0	013.5000	0128.6	038.1		191.6	004.4475	0097.9	069.3	43.50
080.0	013.5000	0128.9	038.1		191.4	004.4921	0097.9	069.9	43.37
081.0	013.5000	0129.0	038.1		191.2	004.5302	0097.9	070.5	43.22
082.0	013.5000	0129.0	038.1		191.0	004.5644	0097.9	071.2	43.07
083.0	013.5000	0129.0	038.1		190.9	004.5965	0097.8	071.8	42.92
084.0	013.5000	0129.0	038.1		190.7	004.6265	0097.8	072.4	42.76
085.0	013.5000	0129.0	038.1		190.6	004.6535	0097.8	073.1	42.60
086.0	013.5000	0128.8	038.1		190.5	004.6763	0097.8	073.7	42.43
087.0	013.5000	0128.6	038.1		190.3	004.6972	0097.8	074.4	42.26
088.0	013.5000	0128.5	038.1		190.2	004.7159	0097.8	075.0	42.09
089.0	013.5000	0128.6	038.1		190.1	004.7377	0097.8	075.7	41.93
090.0	013.5000	0128.8	038.1		190.0	004.7582	0097.8	076.3	41.76
091.0	013.5000	0128.9	038.1		189.9	004.7771	0097.7	077.0	41.59
092.0	013.5000	0129.0	038.1		189.9	004.7929	0097.7	077.7	41.42
093.0	013.5000	0129.0	038.1		189.8	004.8051	0097.7	078.3	41.25