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Contour-to-Contour Channel Study - WVBA
Vermont Public Radio

REFERENCE CH# 205B1 - 88.9 MHz, Pwr= 6.2 kW DA, HAAT= 54.0 M, COR= 329 M DISPLAY DATES
42 49 42.2 N. DATA 04-04-18
72 36 00.3 W. SEARCH 04-04-18
Average Protected F(50-50)= 21.56 km
Standard Directional

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
205B1 WVBA Brattleboro		LIC DCX VT		73.5 253.5	0.19 BLED20121011ACE	42 49 44.0 72 35 52.0	8.900 32	0.19 305	0.19 Vermont Public Radio		
06 1C WRGB Schenectady		APP _HN NY		259.4 78.4	117.39 0000035659	42 37 31.0 74 00 38.2	60.000 392	16.2 648	119.2	135.4R	-18.0M
06 1C WRGB Schenectady		APP _HN NY		259.4 78.4	117.39 0000035622	42 37 31.0 74 00 38.2	60.000 392	16.2 648	119.2	135.4R	-18.0M
6 -- WRGB-A Schenectady		CHA _Y NY		259.4 78.4	117.38 DTVBL73942	42 37 31.0 74 00 38.0	30.200 392	16.2 649	110.8	127.0R	-9.6M
06 1C WRGB Schenectady		LI _HN NY		259.4 78.4	117.39 BMLCDT-20110816AAF	42 37 31.0 74 00 38.2	30.200 392	16.2 649	110.8	127.0R	-9.6M
206B WEVO Concord		LIC _CX NH		62.4 243.1	93.78 BMLCD20100630BSW	43 12 53.0 71 34 28.0	50.000 116	69.1 251	42.5	0.1	10.5
205B WJMJ Hartford		CP DCX CT		188.8 8.6	126.50 BPED20170831AAU	41 42 13.0 72 49 57.0	2.300 436	106.5 534	37.9	0.2	6.7
205B1 WJMJ Hartford		LIC DCN CT		195.3 15.0	123.93 BLED19971010KA	41 45 09.0 72 59 40.0	6.200 185	97.8 389	37.6	0.6	4.6
203B WFCR Amherst		LIC _CN MA		164.3 344.4	53.66 BLED19970605KB	42 21 49.0 72 25 24.0	13.000 295	4.8 478	45.6	18.7	4.9
205B1 WERS Boston		LIC _CN MA		112.2 293.3	136.95 BLED19900706KB	42 21 08.0 71 03 25.0	4.000 186	92.5 203	33.2	7.2	6.0
204C2 WRVT Rutland		LIC DEX VT		336.2 155.9	101.02 BLED20101206ACJ	43 39 31.0 73 06 25.0	4.800 412	73.3 663	45.7	7.2	21.3
208B WVPR Windsor		LIC _CX VT		10.0 190.1	68.77 BMLCD20120821ABT	43 26 15.0 72 27 08.0	1.700 694	2.7 975	53.0	38.4	13.8
206B WMHT-FM Schenectady		LIC _CX NY		259.4 78.4	117.38 BLED20121121ACB	42 37 31.0 74 00 38.0	6.100 361	88.4 627	59.9	14.0	35.0
204A WUMV Milford		LIC DCX NH		89.3 269.9	71.01 BLED20120525AED	42 49 58.0 71 43 45.0	0.670 12	7.1 207	6.1	31.5	21.5
207A WAMH Amherst		LIC _CX MA		164.3 344.4	53.66 BLED20121019ACF	42 21 49.0 72 25 24.0	0.130 233	0.8 415	13.0	22.7	34.8

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 restricted contour.
« = Station meets FCC minimum distance spacing for its class.
Reference station has protected zone issue: Canada

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.

Contour-to-Contour Analysis, WVBA vs WEVO
Vermont Public Radio

FMCommander Single Allocation Study - 04-03-2018 - FCC NGDC 30 Sec
WVBA's Overlaps (In= 0.06 km, Out= 12.04 km)

WVBA CH 205 B1 DA

Lat= 42 49 42.2, Lng= 72 36 00.3

6.2 kW 54 m HAAT, 329 m COR

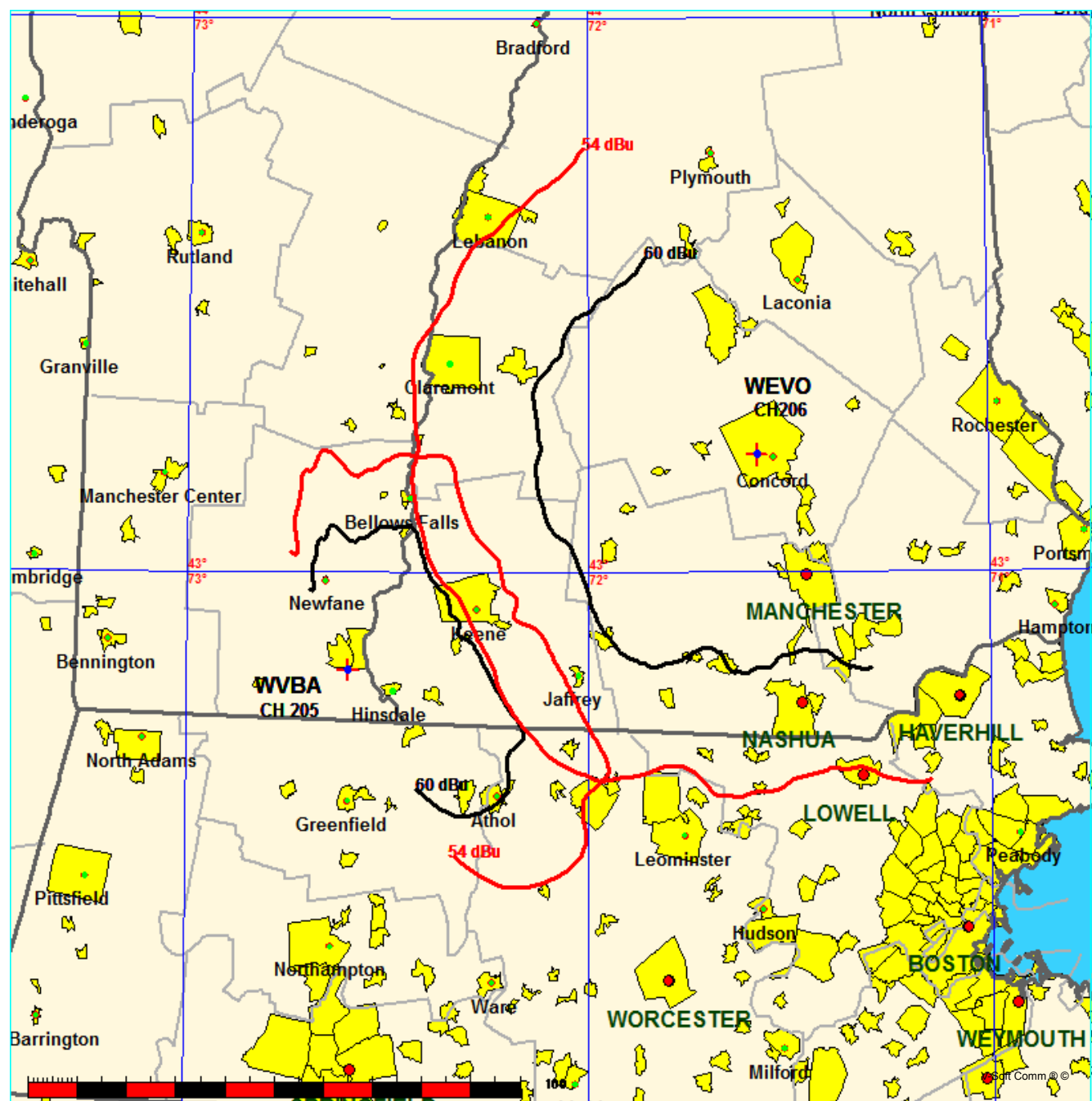
Prot.= 60 dBu, Intef.= 54 dBu

WEVO CH 206 B BMLED20100630BSW

Lat= 43 12 53.0, Lng= 71 34 28.0

50.0 kW 116 m HAAT, 251 m COR

Prot.= 60 dBu, Intef.= 54 dBu



04-03-2018

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WVBA

WEVO BMLED20100630BSW

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 329 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Protected

60 dBu

Channel = 206B

Max ERP = 50 kW

RCAMSL = 251 m

N. Lat. 43 12 53.0

W. Lng. 71 34 28.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
002.0	003.8206	0097.9	025.3	258.2	050.0000	0102.2	084.2	49.99	
003.0	003.7721	0097.5	025.2	258.1	050.0000	0102.0	083.8	50.10	
004.0	003.7239	0100.6	025.5	258.2	050.0000	0102.1	083.3	50.25	
005.0	003.6855	0104.9	025.9	258.4	050.0000	0102.3	082.7	50.41	
006.0	003.6379	0107.3	026.1	258.4	050.0000	0102.3	082.2	50.55	
007.0	003.5905	0108.1	026.2	258.3	050.0000	0102.2	081.8	50.67	
008.0	003.5435	0111.4	026.4	258.4	050.0000	0102.3	081.3	50.82	
009.0	003.4968	0117.1	026.9	258.6	050.0000	0102.4	080.7	51.00	
010.0	003.4504	0124.4	027.5	258.9	050.0000	0102.6	080.0	51.19	
011.0	003.3312	0131.5	027.9	259.0	050.0000	0102.7	079.4	51.36	
012.0	003.2052	0139.3	028.4	259.2	050.0000	0102.8	078.8	51.55	
013.0	003.0903	0147.3	028.8	259.4	050.0000	0102.9	078.1	51.73	
014.0	002.9775	0153.9	029.2	259.4	050.0000	0103.0	077.5	51.91	
015.0	002.8585	0158.8	029.3	259.4	050.0000	0102.9	077.0	52.06	
016.0	002.7500	0163.1	029.4	259.3	050.0000	0102.9	076.5	52.20	
017.0	002.6437	0166.8	029.5	259.1	050.0000	0102.8	076.0	52.33	
018.0	002.5395	0170.8	029.5	259.0	050.0000	0102.7	075.6	52.46	
019.0	002.4296	0176.7	029.7	258.9	050.0000	0102.6	075.0	52.61	
020.0	002.3298	0183.7	029.9	258.8	050.0000	0102.6	074.5	52.77	
021.0	002.2469	0190.8	030.2	258.8	050.0000	0102.5	073.9	52.94	
022.0	002.1729	0197.4	030.5	258.7	050.0000	0102.5	073.3	53.11	
023.0	002.0929	0204.2	030.7	258.7	050.0000	0102.4	072.7	53.27	
024.0	002.0144	0210.7	030.9	258.5	050.0000	0102.4	072.1	53.44	
025.0	001.9374	0215.6	031.0	258.3	050.0000	0102.2	071.7	53.57	
026.0	001.8687	0217.6	030.9	258.0	050.0000	0102.0	071.3	53.66	
027.0	001.7946	0216.7	030.5	257.5	050.0000	0101.6	071.1	53.69	
028.0	001.7219	0213.7	030.0	256.9	050.0000	0101.3	071.1	53.69	
029.0	001.6572	0209.8	029.5	256.3	050.0000	0101.1	071.0	53.69	
030.0	001.5874	0205.1	028.9	255.7	050.0000	0101.1	071.1	53.67	
031.0	001.5624	0199.7	028.4	255.1	050.0000	0101.2	071.1	53.67	
032.0	001.5500	0193.7	027.9	254.6	050.0000	0101.2	071.1	53.68	
033.0	001.5376	0187.8	027.5	254.0	050.0000	0101.3	071.1	53.68	
034.0	001.5192	0182.5	027.1	253.5	050.0000	0101.5	071.1	53.68	
035.0	001.5008	0177.3	026.7	253.0	050.0000	0101.6	071.2	53.68	
036.0	001.4947	0171.8	026.3	252.5	050.0000	0101.6	071.2	53.67	
037.0	001.5315	0165.7	026.0	252.1	050.0000	0101.5	071.2	53.67	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
038.0	001.5937	0158.3	025.7	251.7	050.0000	0101.2	071.2	53.66
039.0	001.6636	0151.1	025.4	251.2	050.0000	0101.0	071.2	53.64
040.0	001.7416	0144.9	025.2	250.8	050.0000	0100.7	071.1	53.64
041.0	001.8146	0139.7	025.0	250.5	050.0000	0100.4	071.1	53.64
042.0	001.8892	0135.1	024.9	250.1	050.0000	0099.9	071.0	53.64
043.0	001.9443	0130.9	024.7	249.7	050.0000	0099.3	070.9	53.62
044.0	001.9932	0128.2	024.6	249.4	050.0000	0098.7	070.8	53.62
045.0	001.9792	0127.1	024.5	249.0	050.0000	0098.1	070.8	53.60
046.0	001.9792	0126.6	024.5	248.7	050.0000	0097.5	070.6	53.60
047.0	002.0428	0125.2	024.5	248.4	050.0000	0096.8	070.4	53.62
048.0	002.1218	0122.6	024.5	248.1	050.0000	0096.0	070.3	53.62
049.0	002.2023	0119.6	024.5	247.7	050.0000	0095.0	070.2	53.59
050.0	002.2844	0117.3	024.5	247.4	050.0000	0094.0	070.1	53.57
051.0	002.3603	0115.8	024.5	247.1	050.0000	0092.9	069.9	53.56
052.0	002.4374	0115.0	024.6	246.8	050.0000	0091.9	069.7	53.56
053.0	002.5158	0114.1	024.7	246.4	050.0000	0091.0	069.5	53.56
054.0	002.5954	0112.5	024.8	246.1	050.0000	0090.1	069.4	53.54
055.0	002.6681	0109.6	024.6	245.7	050.0000	0089.2	069.4	53.47
056.0	002.7500	0106.7	024.5	245.3	050.0000	0088.5	069.5	53.40
057.0	002.8333	0103.9	024.3	245.0	050.0000	0088.0	069.6	53.35
058.0	002.9177	0101.2	024.2	244.6	050.0000	0087.7	069.7	53.31
059.0	003.0034	0098.7	024.1	244.3	050.0000	0087.5	069.8	53.28
060.0	003.0903	0096.2	023.9	243.9	050.0000	0087.5	069.9	53.24
061.0	003.1431	0093.9	023.7	243.6	050.0000	0087.5	070.0	53.19
062.0	003.1962	0092.0	023.6	243.2	050.0000	0087.6	070.2	53.16
063.0	003.2499	0091.1	023.6	242.9	050.0000	0087.8	070.2	53.17
064.0	003.3040	0091.1	023.7	242.5	050.0000	0088.1	070.1	53.20
065.0	003.3585	0092.0	023.9	242.2	050.0000	0088.4	069.9	53.27
066.0	003.4135	0093.5	024.2	241.8	050.0000	0088.6	069.7	53.36
067.0	003.4689	0094.0	024.3	241.5	050.0000	0088.7	069.6	53.40
068.0	003.5248	0093.7	024.4	241.1	050.0000	0088.8	069.6	53.40
069.0	003.5811	0092.3	024.3	240.8	050.0000	0088.9	069.7	53.36
070.0	003.6379	0090.2	024.1	240.5	050.0000	0088.9	070.0	53.29
071.0	003.6951	0087.5	023.8	240.2	050.0000	0089.0	070.3	53.20
072.0	003.7528	0084.5	023.5	239.9	050.0000	0089.1	070.7	53.09
073.0	003.8109	0082.4	023.3	239.6	050.0000	0089.2	071.0	53.02
074.0	003.8694	0082.6	023.4	239.3	050.0000	0089.3	071.0	53.03
075.0	003.9284	0084.4	023.7	238.9	050.0000	0089.7	070.8	53.11
076.0	003.9879	0086.9	024.2	238.5	050.0000	0090.1	070.5	53.21
077.0	004.0478	0091.1	024.8	238.0	050.0000	0090.7	070.1	53.38
078.0	004.1081	0095.2	025.4	237.5	050.0000	0091.4	069.7	53.53
079.0	004.1689	0098.0	025.8	237.0	050.0000	0091.8	069.4	53.63
080.0	004.2301	0098.9	026.0	236.6	050.0000	0092.1	069.4	53.64
081.0	004.2506	0099.2	026.1	236.2	050.0000	0092.2	069.5	53.61
082.0	004.2712	0101.1	026.4	235.8	050.0000	0092.3	069.5	53.63
083.0	004.3021	0102.3	026.5	235.4	050.0000	0092.4	069.6	53.62
084.0	004.3124	0103.8	026.7	235.0	050.0000	0092.6	069.6	53.61
085.0	004.3228	0104.9	026.9	234.6	050.0000	0092.9	069.7	53.60
086.0	004.4270	0105.4	027.1	234.2	050.0000	0093.4	069.8	53.61
087.0	004.5324	0105.9	027.3	233.7	050.0000	0093.9	069.9	53.61
088.0	004.5006	0107.8	027.5	233.3	050.0000	0094.4	070.0	53.61

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
089.0	004.4584	0110.4	027.7		232.9	050.0000	0095.0	070.1	53.61
090.0	004.4270	0112.9	027.9		232.5	050.0000	0095.5	070.2	53.61
091.0	004.4900	0115.5	028.3		232.0	050.0000	0096.1	070.3	53.63
092.0	004.5642	0117.8	028.6		231.5	050.0000	0096.7	070.3	53.65
093.0	004.6283	0119.9	028.9		231.0	050.0000	0097.5	070.4	53.66
094.0	004.6928	0121.9	029.2		230.6	050.0000	0098.6	070.6	53.68
095.0	004.7686	0124.2	029.6		230.1	050.0000	0099.9	070.7	53.72
096.0	004.8341	0126.7	029.9		229.6	050.0000	0101.3	070.8	53.76
097.0	004.9000	0129.4	030.2		229.1	050.0000	0103.0	071.0	53.80
098.0	004.9664	0132.4	030.6		228.6	050.0000	0104.3	071.1	53.83
099.0	005.0443	0135.4	031.1		228.0	050.0000	0105.6	071.3	53.86
100.0	005.1117	0138.8	031.5		227.5	050.0000	0106.7	071.4	53.88
101.0	005.1455	0142.4	032.0		226.9	050.0000	0107.6	071.6	53.87
102.0	005.1908	0147.1	032.6		226.3	050.0000	0108.7	071.7	53.89
103.0	005.2249	0151.7	033.2		225.6	050.0000	0109.9	071.9	53.90
104.0	005.2591	0156.9	033.8		225.0	050.0000	0111.1	072.1	53.91
105.0	005.2934	0163.5	034.5		224.2	050.0000	0112.4	072.2	53.94
106.0	005.3393	0170.5	035.3		223.4	050.0000	0113.9	072.4	53.97
107.0	005.3739	0178.6	036.2		222.6	050.0000	0115.4	072.6	53.98
108.0	005.4086	0186.4	036.9		221.9	050.0000	0116.4	072.9	53.95
109.0	005.4550	0194.1	037.6		221.2	050.0000	0117.1	073.2	53.88
110.0	005.4900	0200.5	038.1		220.6	050.0000	0117.3	073.7	53.77
111.0	005.5602	0203.4	038.5		220.2	050.0000	0117.4	074.2	53.62
112.0	005.6309	0202.8	038.5		220.0	050.0000	0117.5	074.8	53.44
113.0	005.7020	0198.8	038.3		220.0	050.0000	0117.5	075.5	53.23
114.0	005.7736	0193.8	038.0		220.1	050.0000	0117.5	076.2	53.01
115.0	005.8336	0189.3	037.7		220.2	050.0000	0117.4	076.9	52.80
116.0	005.9060	0185.2	037.5		220.2	050.0000	0117.4	077.6	52.60
117.0	005.9788	0180.9	037.3		220.3	050.0000	0117.4	078.3	52.40
118.0	006.0521	0177.8	037.1		220.3	050.0000	0117.4	079.0	52.20
119.0	006.1258	0176.8	037.1		220.2	050.0000	0117.4	079.6	52.02
120.0	006.2000	0179.2	037.4		219.9	050.0000	0117.5	080.2	51.85
121.0	006.2000	0184.2	037.8		219.5	050.0000	0117.7	080.8	51.69

04-03-2018

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WEVO BMLED20100630BSW

WVBA

Channel = 206B

Max ERP = 50 kW

RCAMSL = 251 m

N. Lat. 43 12 53.0

W. Lng. 71 34 28.0

Protected

60 dBu

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 329 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
183.0	050.0000	0096.0	044.0	090.4	004.4516	0114.0	081.3	40.86	
184.0	050.0000	0097.1	044.2	090.5	004.4584	0114.2	080.6	41.10	
185.0	050.0000	0096.0	044.0	090.3	004.4477	0113.8	079.8	41.29	
186.0	050.0000	0096.7	044.2	090.4	004.4507	0113.9	079.0	41.52	
187.0	050.0000	0097.0	044.2	090.4	004.4502	0113.9	078.3	41.74	
188.0	050.0000	0094.4	043.8	090.0	004.4283	0112.8	077.5	41.87	
189.0	050.0000	0088.7	042.7	089.1	004.4556	0110.6	077.0	41.96	
190.0	050.0000	0083.8	041.7	088.3	004.4886	0108.6	076.4	42.05	
191.0	050.0000	0080.4	041.0	087.7	004.5115	0106.8	075.8	42.15	
192.0	050.0000	0078.5	040.6	087.2	004.5247	0106.1	075.2	42.30	
193.0	050.0000	0077.0	040.3	086.9	004.5197	0105.8	074.6	42.45	
194.0	050.0000	0076.8	040.3	086.7	004.5003	0105.7	074.0	42.62	
195.0	050.0000	0077.1	040.3	086.6	004.4877	0105.6	073.3	42.81	
196.0	050.0000	0078.2	040.6	086.6	004.4879	0105.6	072.5	43.03	
197.0	050.0000	0080.5	041.0	086.8	004.5063	0105.7	071.7	43.30	
198.0	050.0000	0084.2	041.8	087.1	004.5283	0106.0	070.8	43.61	
199.0	050.0000	0088.5	042.6	087.6	004.5148	0106.6	069.8	43.92	
200.0	050.0000	0093.0	043.5	088.0	004.5007	0107.8	068.8	44.28	
201.0	050.0000	0097.8	044.4	088.4	004.4822	0108.9	067.7	44.64	
202.0	050.0000	0101.7	045.0	088.7	004.4702	0109.7	066.8	44.97	
203.0	050.0000	0104.5	045.5	088.8	004.4652	0110.0	065.8	45.27	
204.0	050.0000	0107.9	046.1	089.0	004.4581	0110.4	064.9	45.59	
205.0	050.0000	0113.1	046.9	089.4	004.4462	0111.4	063.8	45.98	
206.0	050.0000	0118.2	047.7	089.7	004.4361	0112.2	062.7	46.37	
207.0	050.0000	0120.6	048.1	089.7	004.4377	0112.1	061.8	46.67	
208.0	050.0000	0120.7	048.1	089.3	004.4484	0111.2	061.1	46.89	
209.0	050.0000	0121.2	048.2	089.0	004.4588	0110.4	060.3	47.13	
210.0	050.0000	0122.5	048.3	088.7	004.4693	0109.7	059.5	47.39	
211.0	050.0000	0123.6	048.5	088.4	004.4818	0109.0	058.7	47.65	
212.0	050.0000	0124.2	048.6	088.1	004.4975	0108.0	057.9	47.89	
213.0	050.0000	0124.8	048.7	087.7	004.5108	0106.9	057.1	48.11	
214.0	050.0000	0125.5	048.8	087.3	004.5241	0106.1	056.4	48.36	
215.0	050.0000	0125.6	048.8	086.8	004.5060	0105.7	055.7	48.58	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
216.0	050.0000	0124.8	048.7	086.1	004.4388	0105.5	055.1	48.72
217.0	050.0000	0123.0	048.4	085.3	004.3575	0105.1	054.6	48.80
218.0	050.0000	0120.4	048.0	084.4	004.3171	0104.4	054.2	48.86
219.0	050.0000	0118.3	047.7	083.6	004.3083	0103.1	053.9	48.91
220.0	050.0000	0117.5	047.6	082.9	004.2983	0102.2	053.4	49.03
221.0	050.0000	0117.2	047.6	082.2	004.2769	0101.4	052.8	49.15
222.0	050.0000	0116.3	047.4	081.4	004.2590	0100.0	052.4	49.20
223.0	050.0000	0114.7	047.2	080.5	004.2411	0098.8	052.1	49.23
224.0	050.0000	0112.8	046.9	079.6	004.2066	0098.8	051.8	49.29
225.0	050.0000	0111.0	046.6	078.7	004.1503	0097.3	051.6	49.21
226.0	050.0000	0109.2	046.3	077.8	004.0937	0094.4	051.4	49.00
227.0	050.0000	0107.4	046.0	076.8	004.0373	0090.3	051.2	48.68
228.0	050.0000	0105.6	045.7	075.9	003.9806	0086.5	051.0	48.36
229.0	050.0000	0103.2	045.3	074.9	003.9210	0084.2	051.0	48.10
230.0	050.0000	0100.1	044.8	073.8	003.8588	0082.4	051.2	47.82
231.0	050.0000	0097.6	044.3	072.8	003.8005	0082.6	051.3	47.73
232.0	050.0000	0096.0	044.0	071.9	003.7475	0084.7	051.3	47.87
233.0	050.0000	0094.8	043.8	071.0	003.6961	0087.5	051.2	48.05
234.0	050.0000	0093.6	043.6	070.1	003.6452	0089.8	051.2	48.20
235.0	050.0000	0092.5	043.4	069.2	003.5952	0091.8	051.2	48.30
236.0	050.0000	0092.3	043.4	068.4	003.5480	0093.3	051.0	48.41
237.0	050.0000	0091.8	043.3	067.6	003.5003	0093.9	051.0	48.43
238.0	050.0000	0090.7	043.1	066.7	003.4515	0094.0	051.0	48.35
239.0	050.0000	0089.6	042.8	065.8	003.4036	0093.3	051.1	48.20
240.0	050.0000	0089.1	042.7	065.0	003.3572	0092.0	051.1	48.03
241.0	050.0000	0088.8	042.7	064.1	003.3115	0091.1	051.1	47.91
242.0	050.0000	0088.5	042.6	063.3	003.2662	0091.0	051.2	47.83
243.0	050.0000	0087.8	042.5	062.5	003.2213	0091.4	051.3	47.75
244.0	050.0000	0087.5	042.5	061.6	003.1771	0092.6	051.3	47.77
245.0	050.0000	0088.0	042.5	060.8	003.1330	0094.3	051.3	47.86
246.0	050.0000	0089.9	042.9	059.9	003.0855	0096.3	051.0	48.07
247.0	050.0000	0092.7	043.4	059.0	003.0062	0098.7	050.5	48.30
248.0	050.0000	0095.8	044.0	058.1	002.9247	0101.0	050.1	48.52
249.0	050.0000	0098.1	044.4	057.1	002.8439	0103.5	049.8	48.69
250.0	050.0000	0099.7	044.7	056.2	002.7649	0106.1	049.7	48.80
251.0	050.0000	0100.8	044.9	055.3	002.6886	0108.8	049.7	48.85
252.0	050.0000	0101.4	045.0	054.4	002.6208	0111.6	049.8	48.88
253.0	050.0000	0101.6	045.0	053.5	002.5536	0113.5	050.0	48.81
254.0	050.0000	0101.3	045.0	052.7	002.4885	0114.5	050.3	48.63
255.0	050.0000	0101.2	045.0	051.8	002.4248	0115.2	050.6	48.44
256.0	050.0000	0101.1	044.9	051.0	002.3626	0115.8	051.0	48.24
257.0	050.0000	0101.3	045.0	050.2	002.3008	0116.9	051.3	48.07
258.0	050.0000	0102.0	045.1	049.4	002.2332	0118.6	051.5	47.94
259.0	050.0000	0102.7	045.2	048.5	002.1656	0120.9	051.8	47.83
260.0	050.0000	0103.2	045.3	047.8	002.1020	0123.4	052.1	47.70
261.0	050.0000	0103.2	045.3	047.0	002.0440	0125.1	052.5	47.51
262.0	050.0000	0103.1	045.3	046.3	001.9992	0126.1	053.0	47.29
263.0	050.0000	0103.0	045.3	045.6	001.9792	0126.9	053.5	47.10
264.0	050.0000	0103.1	045.3	045.0	001.9797	0127.2	054.0	46.93
265.0	050.0000	0103.3	045.3	044.3	001.9892	0127.6	054.4	46.80
266.0	050.0000	0103.3	045.3	043.7	001.9765	0128.8	054.9	46.64

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
267.0	050.0000	0102.5	045.2		043.2	001.9519	0130.4	055.6	46.42
268.0	050.0000	0101.0	044.9		042.8	001.9305	0131.8	056.3	46.17
269.0	050.0000	0099.3	044.6		042.4	001.9115	0133.1	057.1	45.91
270.0	050.0000	0097.7	044.3		042.1	001.8942	0134.6	057.8	45.67
271.0	050.0000	0096.0	044.0		041.8	001.8737	0136.0	058.6	45.41
272.0	050.0000	0096.4	044.1		041.3	001.8340	0138.4	059.1	45.25
273.0	050.0000	0097.6	044.3		040.6	001.7874	0141.5	059.6	45.14
274.0	050.0000	0098.9	044.6		040.0	001.7409	0145.0	060.1	45.04
275.0	050.0000	0100.1	044.8		039.4	001.6942	0148.6	060.6	44.94
276.0	050.0000	0101.1	045.0		038.8	001.6527	0152.2	061.1	44.82
277.0	050.0000	0102.2	045.1		038.3	001.6145	0156.2	061.7	44.73
278.0	050.0000	0103.2	045.3		037.8	001.5802	0160.0	062.3	44.63
279.0	050.0000	0104.1	045.5		037.3	001.5502	0163.4	062.9	44.51
280.0	050.0000	0105.3	045.7		036.8	001.5243	0166.9	063.5	44.40
281.0	050.0000	0106.5	045.9		036.3	001.5064	0170.0	064.1	44.29
282.0	050.0000	0109.0	046.3		035.7	001.4966	0173.6	064.7	44.24
283.0	050.0000	0111.3	046.6		035.1	001.5002	0176.8	065.3	44.20
284.0	050.0000	0113.4	047.0		034.6	001.5089	0179.6	065.9	44.13
285.0	050.0000	0114.8	047.2		034.1	001.5168	0181.9	066.6	44.02
286.0	050.0000	0115.1	047.2		033.9	001.5217	0183.2	067.4	43.83
287.0	050.0000	0114.8	047.2		033.7	001.5249	0184.1	068.2	43.61
288.0	050.0000	0113.9	047.1		033.6	001.5264	0184.5	069.0	43.36
289.0	050.0000	0111.6	046.7		033.7	001.5246	0184.0	069.9	43.04
290.0	050.0000	0109.4	046.3		033.8	001.5225	0183.5	070.7	42.72
291.0	050.0000	0107.0	046.0		034.0	001.5199	0182.7	071.6	42.39
292.0	050.0000	0105.1	045.6		034.1	001.5181	0182.2	072.5	42.08
293.0	050.0000	0104.2	045.5		034.0	001.5184	0182.3	073.3	41.82
294.0	050.0000	0102.8	045.2		034.1	001.5173	0182.0	074.1	41.53
295.0	050.0000	0101.3	045.0		034.2	001.5155	0181.5	074.9	41.24
296.0	050.0000	0099.7	044.7		034.3	001.5135	0181.0	075.7	40.94
297.0	050.0000	0099.4	044.6		034.3	001.5144	0181.2	076.5	40.70
298.0	050.0000	0101.1	044.9		034.0	001.5197	0182.7	077.3	40.54
299.0	050.0000	0103.1	045.3		033.6	001.5257	0184.3	078.0	40.38
300.0	050.0000	0105.1	045.6		033.4	001.5311	0185.8	078.8	40.21
301.0	050.0000	0106.3	045.8		033.2	001.5343	0186.8	079.6	40.01
302.0	050.0000	0106.6	045.9		033.1	001.5354	0187.1	080.3	39.78

Contour-to-Contour Analysis, WVBA vs WJMJ.C
Vermont Public Radio

FMCommander Single Allocation Study - 04-03-2018 - FCC NGDC 30 Sec
WVBA's Overlaps (In= 0.12 km, Out= 5.47 km)

WVBA CH 205 B1 DA

Lat= 42 49 42.2, Lng= 72 36 00.3

6.2 kW 54 m HAAT, 329 m COR

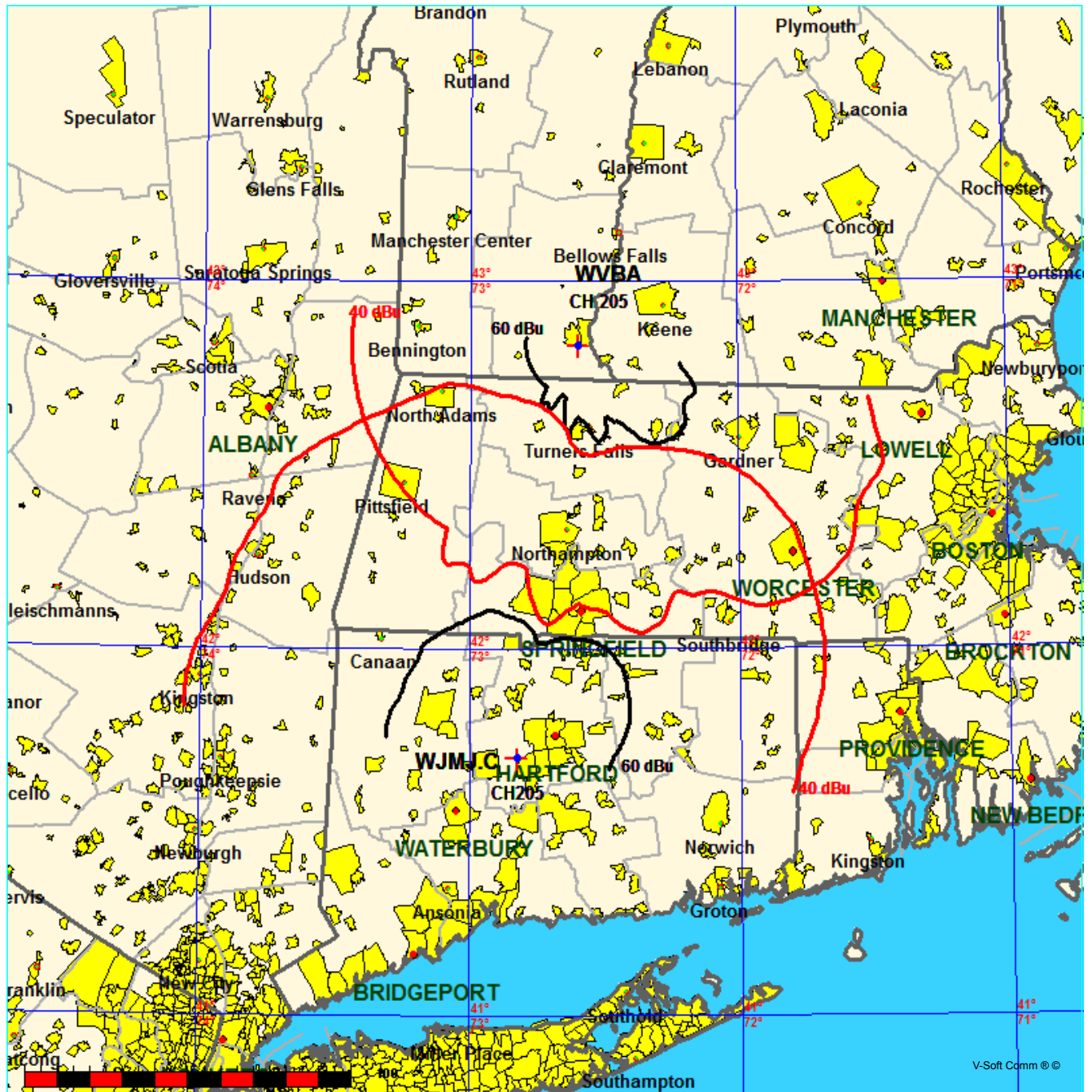
Prot.= 60 dBu, Intef.= 40 dBu

WJMJ-C CH 205 B DA BPED20170831AAU

Lat= 41 42 13.0, Lng= 72 49 57.0

2.3 kW 436 m HAAT, 534 m COR

Prot.= 60 dBu, Intef.= 40 dBu



04-03-2018

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WVBA

WJMJ BPED20170831AAU

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 329 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Protected

60 dBu

Channel = 205B

Max ERP = 2.3 kW

RCAMSL = 534 m

N. Lat. 41 42 13.0

W. Lng. 72 49 57.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
129.0	006.2000	0226.0	041.0	027.1	001.4382	0433.8	111.6	38.28	
130.0	006.2000	0226.1	041.0	027.1	001.4368	0433.4	110.9	38.45	
131.0	006.2000	0225.6	041.0	026.9	001.4348	0432.9	110.2	38.60	
132.0	006.2000	0224.3	040.9	026.8	001.4321	0432.2	109.6	38.75	
133.0	006.2000	0222.0	040.7	026.6	001.4286	0431.3	108.9	38.89	
134.0	006.2000	0218.8	040.5	026.4	001.4243	0430.2	108.3	39.00	
135.0	006.2000	0215.2	040.2	026.2	001.4196	0429.1	107.7	39.11	
136.0	006.2000	0211.8	040.0	025.9	001.4148	0427.9	107.2	39.22	
137.0	006.2000	0208.4	039.7	025.6	001.4098	0426.7	106.6	39.32	
138.0	006.2000	0204.4	039.4	025.4	001.4043	0425.3	106.1	39.40	
139.0	006.2000	0200.3	039.1	025.1	001.3985	0423.9	105.6	39.48	
140.0	006.1752	0196.0	038.7	024.7	001.3921	0422.4	105.1	39.54	
141.0	006.1258	0190.8	038.3	024.3	001.3846	0420.6	104.7	39.57	
142.0	006.1258	0184.9	037.8	023.9	001.3770	0418.9	104.3	39.60	
143.0	006.1382	0178.1	037.2	023.5	001.3687	0417.0	104.0	39.60	
144.0	006.1505	0170.3	036.5	022.9	001.3587	0414.9	103.8	39.56	
145.0	006.1876	0160.6	035.5	022.3	001.3469	0412.4	103.8	39.45	
146.0	006.2000	0149.1	034.2	021.5	001.3325	0409.3	104.0	39.26	
147.0	006.2000	0135.8	032.7	020.7	001.3165	0405.8	104.4	39.00	
148.0	006.2000	0121.9	031.2	019.8	001.2960	0402.3	104.9	38.69	
149.0	006.2000	0109.0	029.7	019.0	001.2619	0399.0	105.4	38.34	
150.0	006.2000	0098.6	028.3	018.3	001.2314	0395.7	105.9	38.00	
151.0	006.2000	0090.9	027.2	017.6	001.2066	0392.4	106.3	37.71	
152.0	006.2000	0085.4	026.5	017.2	001.1873	0389.5	106.5	37.50	
153.0	006.2000	0083.4	026.2	016.9	001.1758	0387.6	106.4	37.43	
154.0	006.2000	0082.6	026.0	016.7	001.1669	0386.1	106.2	37.41	
155.0	006.2000	0079.9	025.7	016.3	001.1539	0384.1	106.1	37.31	
156.0	006.2000	0074.3	024.8	015.9	001.1350	0381.4	106.5	37.06	
157.0	006.2000	0068.2	023.9	015.4	001.1158	0379.3	106.9	36.80	
158.0	006.2000	0065.4	023.5	015.1	001.1035	0378.5	107.0	36.71	
159.0	006.2000	0068.0	023.9	015.0	001.1016	0378.4	106.5	36.84	
160.0	006.2000	0075.6	025.0	015.2	001.1084	0378.8	105.3	37.19	
161.0	006.2000	0086.1	026.6	015.5	001.1195	0379.7	103.8	37.67	
162.0	006.2000	0096.1	028.0	015.7	001.1283	0380.6	102.3	38.12	
163.0	006.2000	0102.9	028.9	015.7	001.1304	0380.8	101.3	38.42	
164.0	006.2000	0106.3	029.3	015.6	001.1260	0380.4	100.6	38.56	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
165.0	006.2000	0108.8	029.6	015.5	001.1199	0379.7	100.1	38.66
166.0	006.2000	0111.6	030.0	015.3	001.1137	0379.2	099.5	38.78
167.0	006.2000	0113.5	030.2	015.1	001.1058	0378.6	099.1	38.85
168.0	006.2000	0111.6	030.0	014.8	001.0929	0378.1	099.0	38.80
169.0	006.2000	0105.7	029.3	014.3	001.0754	0378.1	099.5	38.61
170.0	006.2000	0099.8	028.5	013.9	001.0582	0378.6	100.0	38.42
171.0	006.2000	0093.2	027.6	013.4	001.0406	0379.7	100.6	38.20
172.0	006.2000	0085.3	026.4	012.9	001.0224	0381.8	101.5	37.95
173.0	006.2000	0075.9	025.0	012.4	001.0035	0385.2	102.6	37.67
174.0	006.2000	0069.0	024.0	012.0	000.9882	0388.8	103.5	37.49
175.0	006.2000	0065.3	023.4	011.7	000.9768	0392.3	103.9	37.43
176.0	006.2000	0063.5	023.2	011.4	000.9674	0395.6	104.0	37.45
177.0	006.2000	0062.7	023.0	011.2	000.9589	0399.2	104.1	37.51
178.0	006.2000	0061.2	022.8	011.0	000.9501	0403.3	104.2	37.56
179.0	006.2000	0058.6	022.4	010.7	000.9407	0408.2	104.5	37.58
180.0	006.2000	0055.9	021.9	010.4	000.9315	0413.4	104.9	37.59
181.0	006.2000	0059.7	022.6	010.3	000.9263	0416.5	104.2	37.85
182.0	006.2000	0063.5	023.2	010.1	000.9203	0420.1	103.5	38.10
183.0	006.2000	0067.9	023.8	010.0	000.9180	0423.8	102.8	38.39
184.0	006.2000	0076.6	025.2	009.8	000.9253	0426.9	101.5	38.90
185.0	006.2000	0083.8	026.2	009.6	000.9347	0430.9	100.4	39.37
186.0	006.2000	0088.0	026.8	009.4	000.9462	0435.6	099.7	39.75
187.0	006.2000	0087.7	026.8	009.1	000.9592	0440.6	099.7	39.96
188.0	006.2000	0082.4	026.0	008.8	000.9727	0445.5	100.5	39.95
189.0	006.2000	0072.1	024.5	008.6	000.9851	0449.6	102.0	39.69
190.0	006.2000	0061.0	022.8	008.3	000.9957	0452.7	103.7	39.35
191.0	006.2000	0050.2	020.8	008.2	001.0040	0454.8	105.7	38.89
192.0	006.2000	0039.8	018.4	008.1	001.0095	0456.1	108.2	38.29
193.0	006.2000	0032.2	016.5	008.0	001.0136	0456.9	110.1	37.82
194.0	006.2000	0027.8	015.9	007.9	001.0195	0458.1	110.7	37.72
195.0	006.2000	0026.4	015.9	007.7	001.0266	0459.4	110.7	37.78
196.0	006.2000	0027.3	015.9	007.6	001.0338	0460.5	110.8	37.83
197.0	006.2000	0029.7	015.9	007.4	001.0409	0461.6	110.8	37.88
198.0	006.2000	0031.4	016.3	007.3	001.0498	0462.8	110.5	38.03
199.0	006.2000	0033.3	016.8	007.1	001.0598	0464.1	110.1	38.22
200.0	006.2000	0038.0	017.9	006.8	001.0745	0465.7	109.0	38.63
201.0	006.1629	0044.2	019.4	006.4	001.0927	0467.5	107.6	39.12
202.0	006.1258	0049.8	020.6	006.1	001.1109	0468.9	106.5	39.52
203.0	006.0889	0054.6	021.6	005.7	001.1284	0469.9	105.7	39.84
204.0	006.0521	0056.5	021.9	005.5	001.1416	0470.5	105.5	39.97
205.0	006.0154	0053.2	021.2	005.4	001.1456	0470.7	106.3	39.78
206.0	005.9788	0047.9	020.1	005.4	001.1442	0470.6	107.5	39.44
207.0	005.9423	0045.6	019.6	005.4	001.1479	0470.8	108.1	39.29
208.0	005.9060	0046.9	019.8	005.2	001.1595	0471.2	108.0	39.37
209.0	005.8697	0049.1	020.3	004.9	001.1739	0471.8	107.7	39.52
210.0	005.8336	0052.6	021.0	004.6	001.1914	0472.3	107.2	39.73
211.0	005.8697	0055.9	021.6	004.2	001.2097	0472.6	106.8	39.93
212.0	005.9060	0055.3	021.6	004.1	001.2184	0472.7	107.0	39.89
213.0	005.9423	0050.1	020.6	004.1	001.2140	0472.7	108.1	39.59
214.0	005.9788	0043.0	019.0	004.4	001.2006	0472.5	109.6	39.11
215.0	006.0154	0034.4	016.9	004.8	001.1794	0472.0	111.6	38.51

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
216.0	006.0521	0025.3	015.8		004.9	001.1708	0471.7	112.7	38.18
217.0	006.0889	0015.6	015.8		004.8	001.1776	0471.9	112.8	38.18
218.0	006.1258	0007.8	015.8		004.7	001.1843	0472.1	112.9	38.18
219.0	006.1629	0003.2	015.9		004.6	001.1910	0472.3	113.1	38.17
220.0	006.2000	0001.1	015.9		004.4	001.1976	0472.4	113.2	38.17
221.0	006.2000	0000.9	015.9		004.3	001.2038	0472.5	113.4	38.15
222.0	006.2000	-0000.5	015.9		004.2	001.2099	0472.6	113.5	38.13
223.0	006.2000	-0003.7	015.9		004.1	001.2158	0472.7	113.7	38.11
224.0	006.2000	-0008.2	015.9		004.0	001.2217	0472.7	113.9	38.09
225.0	006.2000	-0013.6	015.9		003.9	001.2276	0472.8	114.1	38.06
226.0	006.2000	-0017.6	015.9		003.8	001.2333	0472.8	114.3	38.04
227.0	006.2000	-0020.1	015.9		003.7	001.2389	0472.8	114.4	38.01
228.0	006.2000	-0022.0	015.9		003.6	001.2444	0472.8	114.6	37.98
229.0	006.2000	-0025.0	015.9		003.5	001.2498	0472.8	114.8	37.95
230.0	006.2000	-0028.8	015.9		003.4	001.2552	0472.8	115.0	37.91
231.0	006.2000	-0032.8	015.9		003.3	001.2604	0472.8	115.2	37.88
232.0	006.2000	-0037.6	015.9		003.2	001.2655	0472.8	115.4	37.84
233.0	006.2000	-0043.4	015.9		003.1	001.2705	0472.8	115.6	37.81
234.0	006.2000	-0050.4	015.9		003.0	001.2754	0472.8	115.9	37.77
235.0	006.2000	-0057.4	015.9		002.9	001.2802	0472.8	116.1	37.73
236.0	006.2000	-0064.0	015.9		002.9	001.2849	0472.7	116.3	37.69
237.0	006.2000	-0069.3	015.9		002.8	001.2894	0472.7	116.5	37.65
238.0	006.2000	-0072.0	015.9		002.7	001.2939	0472.7	116.7	37.60
239.0	006.2000	-0072.6	015.9		002.6	001.2982	0472.7	117.0	37.56
240.0	006.2000	-0072.7	015.9		002.5	001.3024	0472.6	117.2	37.51
241.0	006.2000	-0073.0	015.9		002.5	001.3064	0472.6	117.4	37.46
242.0	006.2000	-0073.7	015.9		002.4	001.3104	0472.5	117.7	37.41
243.0	006.2000	-0074.6	015.9		002.3	001.3142	0472.4	117.9	37.36
244.0	006.2000	-0075.7	015.9		002.3	001.3179	0472.3	118.2	37.31
245.0	006.2000	-0077.2	015.9		002.2	001.3215	0472.2	118.4	37.25
246.0	006.2000	-0079.0	015.9		002.1	001.3249	0472.0	118.7	37.20
247.0	006.2000	-0080.5	015.9		002.1	001.3282	0471.9	118.9	37.14
248.0	006.2000	-0082.5	015.9		002.0	001.3314	0471.8	119.2	37.09

04-03-2018

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WJMJ BPED20170831AAU

WVBA

Channel = 205B

Max ERP = 2.3 kW

RCAMSL = 534 m

N. Lat. 41 42 13.0

W. Lng. 72 49 57.0

Protected

60 dBu

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 329 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
309.0	002.3000	0374.3	041.6	207.6	005.9220	0046.1	111.4	32.24	
310.0	002.3000	0377.3	041.7	207.6	005.9223	0046.0	110.7	32.38	
311.0	002.3000	0379.4	041.8	207.5	005.9237	0045.9	109.9	32.51	
312.0	002.3000	0380.8	041.9	207.5	005.9259	0045.8	109.2	32.64	
313.0	002.3000	0382.3	042.0	207.4	005.9284	0045.7	108.5	32.77	
314.0	002.3000	0384.4	042.0	207.3	005.9306	0045.7	107.8	32.91	
315.0	002.3000	0388.2	042.2	207.3	005.9317	0045.6	107.0	33.05	
316.0	002.3000	0395.0	042.5	207.3	005.9304	0045.7	106.2	33.20	
317.0	002.3000	0404.8	043.0	207.4	005.9268	0045.7	105.3	33.36	
318.0	002.3000	0415.5	043.5	207.5	005.9224	0046.0	104.5	33.54	
319.0	002.3000	0424.5	043.9	207.6	005.9198	0046.2	103.6	33.71	
320.0	002.3000	0430.6	044.2	207.6	005.9201	0046.2	102.8	33.86	
321.0	002.3000	0433.9	044.4	207.5	005.9233	0046.0	102.0	34.01	
322.0	002.3000	0434.5	044.4	207.4	005.9292	0045.7	101.3	34.14	
323.0	002.3000	0433.3	044.4	207.1	005.9372	0045.6	100.6	34.27	
324.0	002.3000	0431.8	044.3	206.9	005.9458	0045.6	099.9	34.41	
325.0	002.3000	0431.0	044.2	206.7	005.9540	0045.9	099.3	34.56	
326.0	002.3000	0431.3	044.3	206.5	005.9618	0046.3	098.6	34.72	
327.0	002.3000	0431.3	044.3	206.2	005.9701	0047.0	097.9	34.89	
328.0	002.3000	0430.8	044.2	206.0	005.9792	0047.9	097.3	35.06	
329.0	002.3000	0430.0	044.2	205.7	005.9888	0049.2	096.7	35.26	
330.0	002.3000	0429.4	044.2	205.5	005.9988	0050.7	096.0	35.46	
331.0	002.3000	0428.6	044.1	205.2	006.0093	0052.2	095.4	35.66	
332.0	002.3000	0427.7	044.1	204.9	006.0202	0053.9	094.8	35.87	
333.0	002.3000	0427.4	044.1	204.6	006.0309	0055.3	094.2	36.08	
334.0	002.3000	0427.9	044.1	204.3	006.0414	0056.1	093.6	36.26	
335.0	002.3000	0428.8	044.1	204.0	006.0520	0056.5	093.0	36.42	
336.0	002.3000	0429.7	044.2	203.7	006.0628	0056.4	092.4	36.57	
337.0	002.3000	0429.9	044.2	203.4	006.0748	0055.8	091.8	36.68	
338.0	002.3000	0429.4	044.2	203.0	006.0877	0054.7	091.3	36.76	
339.0	002.3000	0429.7	044.2	202.7	006.1002	0053.3	090.8	36.84	
340.0	002.3000	0431.3	044.3	202.4	006.1122	0051.7	090.2	36.91	
341.0	002.3000	0432.8	044.3	202.0	006.1247	0050.0	089.6	36.96	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
342.0	002.3000	0434.3	044.4	201.7	006.1376	0048.1	089.1	37.01
343.0	002.3000	0436.1	044.5	201.3	006.1507	0046.1	088.5	37.05
344.0	002.3000	0437.3	044.6	201.0	006.1646	0044.0	088.0	37.07
345.0	002.3000	0438.7	044.6	200.6	006.1789	0041.6	087.5	37.07
346.0	002.3000	0441.7	044.8	200.2	006.1925	0039.3	086.9	37.08
347.0	002.3000	0445.8	045.0	199.8	006.2000	0037.1	086.3	37.10
348.0	002.3000	0449.4	045.2	199.5	006.2000	0035.2	085.7	37.12
349.0	002.3000	0451.8	045.3	199.0	006.2000	0033.5	085.2	37.13
350.0	002.3000	0452.9	045.3	198.6	006.2000	0032.2	084.8	37.15
351.0	002.2062	0453.9	045.0	198.0	006.2000	0031.4	084.7	37.12
352.0	002.1144	0455.0	044.7	197.5	006.2000	0030.7	084.7	37.08
353.0	002.0245	0455.6	044.3	196.9	006.2000	0029.3	084.7	37.04
354.0	001.9366	0456.2	044.0	196.3	006.2000	0027.9	084.7	37.03
355.0	001.8506	0456.5	043.6	195.7	006.2000	0026.8	084.8	37.02
356.0	001.7666	0456.3	043.2	195.2	006.2000	0026.4	084.9	36.99
357.0	001.6845	0456.9	042.8	194.6	006.2000	0026.6	085.0	36.96
358.0	001.6044	0460.5	042.5	194.1	006.2000	0027.7	085.1	36.96
359.0	001.5262	0464.4	042.3	193.5	006.2000	0029.5	085.1	36.95
000.0	001.4500	0467.6	042.0	193.0	006.2000	0032.1	085.2	37.05
001.0	001.3911	0469.7	041.7	192.5	006.2000	0035.4	085.3	37.22
002.0	001.3334	0471.7	041.5	192.0	006.2000	0040.0	085.4	37.45
003.0	001.2769	0472.8	041.1	191.5	006.2000	0045.2	085.6	37.70
004.0	001.2216	0472.7	040.8	191.0	006.2000	0050.6	085.9	37.92
005.0	001.1676	0471.5	040.3	190.5	006.2000	0055.9	086.3	38.11
006.0	001.1148	0469.1	039.8	190.0	006.2000	0061.3	086.7	38.27
007.0	001.0632	0464.5	039.2	189.5	006.2000	0066.6	087.3	38.39
008.0	001.0128	0456.8	038.5	189.0	006.2000	0071.7	088.0	38.44
009.0	000.9637	0442.3	037.5	188.6	006.2000	0076.3	089.1	38.40
010.0	000.9158	0422.8	036.2	188.2	006.2000	0080.3	090.3	38.26
011.0	000.9515	0402.6	035.7	187.8	006.2000	0083.8	090.8	38.29
012.0	000.9880	0388.9	035.5	187.5	006.2000	0086.4	091.1	38.33
013.0	001.0251	0381.4	035.5	187.1	006.2000	0087.6	091.2	38.36
014.0	001.0629	0378.5	035.6	186.7	006.2000	0088.1	091.1	38.41
015.0	001.1014	0378.4	035.9	186.3	006.2000	0088.2	090.9	38.46
016.0	001.1406	0382.2	036.3	185.8	006.2000	0087.6	090.6	38.52
017.0	001.1804	0388.4	036.9	185.4	006.2000	0086.0	090.2	38.54
018.0	001.2210	0394.4	037.4	184.9	006.2000	0083.1	089.8	38.51
019.0	001.2622	0399.0	037.8	184.4	006.2000	0080.1	089.6	38.44
020.0	001.3041	0403.1	038.3	183.9	006.2000	0075.9	089.3	38.31
021.0	001.3225	0407.2	038.5	183.5	006.2000	0071.8	089.2	38.14
022.0	001.3411	0411.2	038.8	183.0	006.2000	0067.8	089.2	37.97
023.0	001.3598	0415.1	039.1	182.5	006.2000	0065.3	089.2	37.86
024.0	001.3786	0419.3	039.4	182.0	006.2000	0063.6	089.1	37.78
025.0	001.3975	0423.7	039.7	181.6	006.2000	0061.8	089.1	37.70
026.0	001.4166	0428.4	040.0	181.1	006.2000	0059.9	089.1	37.61
027.0	001.4358	0433.1	040.3	180.6	006.2000	0058.1	089.1	37.52
028.0	001.4551	0437.9	040.7	180.1	006.2000	0056.2	089.2	37.42
029.0	001.4746	0442.7	041.0	179.6	006.2000	0057.1	089.2	37.45
030.0	001.4942	0447.0	041.3	179.1	006.2000	0058.4	089.3	37.49
031.0	001.5064	0451.0	041.6	178.6	006.2000	0059.6	089.5	37.51
032.0	001.5187	0454.9	041.8	178.1	006.2000	0060.9	089.7	37.52

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
033.0	001.5311	0458.4	042.0		177.6	006.2000	0062.1	089.9	37.52
034.0	001.5435	0461.6	042.3		177.2	006.2000	0062.4	090.2	37.48
035.0	001.5560	0464.3	042.5		176.7	006.2000	0063.1	090.5	37.43
036.0	001.5685	0466.8	042.6		176.3	006.2000	0063.3	090.8	37.36
037.0	001.5810	0469.0	042.8		175.9	006.2000	0063.7	091.1	37.30
038.0	001.5936	0470.9	043.0		175.4	006.2000	0064.4	091.5	37.23
039.0	001.6063	0472.6	043.1		175.0	006.2000	0065.2	091.9	37.17
040.0	001.6190	0474.0	043.3		174.7	006.2000	0066.4	092.4	37.12
041.0	001.6025	0475.2	043.2		174.3	006.2000	0067.5	092.9	37.04
042.0	001.5860	0476.3	043.2		174.0	006.2000	0068.7	093.5	36.95
043.0	001.5696	0477.3	043.1		173.8	006.2000	0070.2	094.1	36.87
044.0	001.5533	0478.2	043.1		173.5	006.2000	0071.9	094.7	36.80
045.0	001.5371	0479.0	043.0		173.2	006.2000	0073.8	095.3	36.74
046.0	001.5210	0479.7	043.0		173.0	006.2000	0076.0	096.0	36.69
047.0	001.5049	0480.2	042.9		172.8	006.2000	0078.1	096.6	36.63
048.0	001.4890	0480.7	042.8		172.5	006.2000	0080.3	097.3	36.57
049.0	001.4731	0481.1	042.8		172.3	006.2000	0082.3	097.9	36.50
050.0	001.4573	0481.6	042.7		172.1	006.2000	0084.1	098.6	36.43
051.0	001.4083	0482.2	042.4		172.0	006.2000	0084.9	099.4	36.28
052.0	001.3601	0482.7	042.2		172.0	006.2000	0085.6	100.1	36.14
053.0	001.3128	0483.2	041.9		171.9	006.2000	0086.1	100.9	35.99
054.0	001.2663	0483.8	041.6		171.8	006.2000	0086.5	101.7	35.84
055.0	001.2206	0484.4	041.3		171.8	006.2000	0086.9	102.5	35.69
056.0	001.1758	0485.0	041.0		171.8	006.2000	0087.1	103.3	35.53
057.0	001.1318	0485.7	040.7		171.8	006.2000	0087.3	104.0	35.38
058.0	001.0887	0486.4	040.4		171.8	006.2000	0087.4	104.8	35.22
059.0	001.0464	0487.1	040.1		171.8	006.2000	0087.3	105.6	35.07
060.0	001.0049	0487.7	039.8		171.8	006.2000	0087.2	106.3	34.91
061.0	000.9771	0488.0	039.6		171.8	006.2000	0087.4	107.0	34.77
062.0	000.9497	0488.2	039.3		171.7	006.2000	0087.4	107.8	34.63
063.0	000.9227	0488.5	039.1		171.7	006.2000	0087.4	108.5	34.49
064.0	000.8961	0488.7	038.9		171.7	006.2000	0087.4	109.2	34.35
065.0	000.8699	0488.9	038.6		171.8	006.2000	0087.2	109.9	34.21
066.0	000.8441	0489.1	038.4		171.8	006.2000	0087.0	110.7	34.07
067.0	000.8186	0489.4	038.1		171.8	006.2000	0086.8	111.4	33.93
068.0	000.7936	0490.0	037.9		171.9	006.2000	0086.5	112.1	33.79

Contour-to-Contour Analysis, WVBA vs WJMJ Lic
Vermont Public Radio

FMCommander Single Allocation Study - 04-03-2018 - FCC NGDC 30 Sec
WVBA's Overlaps (In= 0.44 km, Out= 2.93 km)

WVBA CH 205 B1 DA

Lat= 42 49 42.2, Lng= 72 36 00.3

6.2 kW 54 m HAAT, 329 m COR

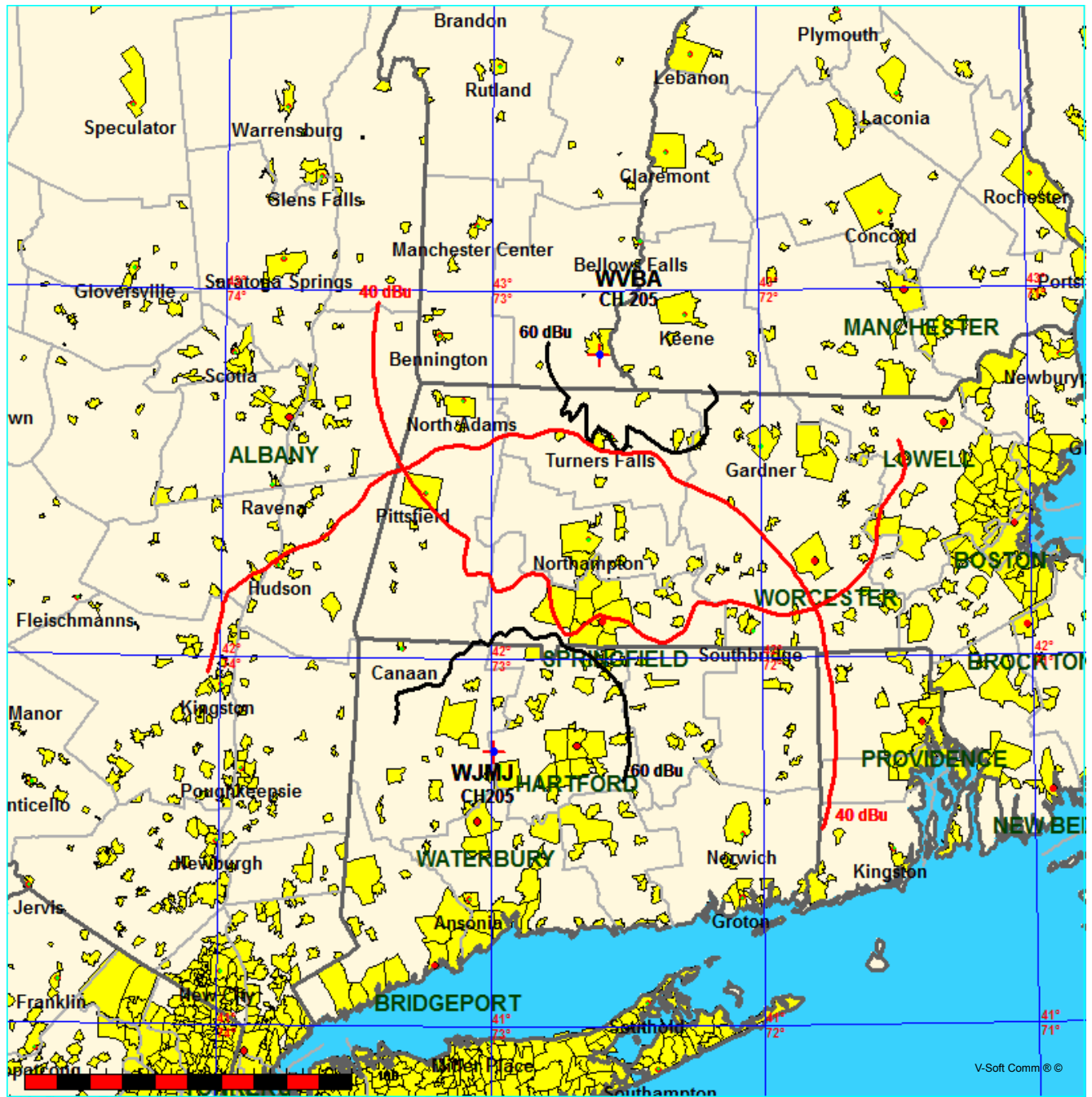
Prot.= 60 dBu, Intef.= 40 dBu

WJMJ CH 205 B1 DA BLED19971010KA

Lat= 41 45 09.0, Lng= 72 59 40.0

6.2 kW 185 m HAAT, 389 m COR

Prot.= 60 dBu, Intef.= 40 dBu



04-03-2018

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WVBA

WJMJ BLED19971010KA

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 329 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Protected

60 dBu

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 389 m

N. Lat. 41 45 09.0

W. Lng. 72 59 40.0

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	006.2000	0215.2	040.2	033.6	005.3049	0203.3	109.7	37.24	
136.0	006.2000	0211.8	040.0	033.4	005.3049	0203.9	109.1	37.41	
137.0	006.2000	0208.4	039.7	033.2	005.3049	0204.8	108.5	37.58	
138.0	006.2000	0204.4	039.4	033.0	005.3049	0206.1	107.9	37.76	
139.0	006.2000	0200.3	039.1	032.7	005.3049	0207.6	107.3	37.95	
140.0	006.1752	0196.0	038.7	032.4	005.3049	0209.6	106.7	38.15	
141.0	006.1258	0190.8	038.3	032.0	005.3049	0212.2	106.3	38.36	
142.0	006.1258	0184.9	037.8	031.7	005.3049	0215.1	105.8	38.56	
143.0	006.1382	0178.1	037.2	031.3	005.3049	0218.2	105.4	38.77	
144.0	006.1505	0170.3	036.5	030.8	005.3049	0221.6	105.1	38.96	
145.0	006.1876	0160.6	035.5	030.1	005.3049	0225.1	104.9	39.11	
146.0	006.2000	0149.1	034.2	029.4	005.3156	0227.7	104.9	39.20	
147.0	006.2000	0135.8	032.7	028.5	005.3309	0227.4	105.0	39.16	
148.0	006.2000	0121.9	031.2	027.6	005.3462	0223.0	105.3	38.96	
149.0	006.2000	0109.0	029.7	026.8	005.3608	0215.4	105.6	38.66	
150.0	006.2000	0098.6	028.3	026.0	005.3741	0207.4	105.9	38.34	
151.0	006.2000	0090.9	027.2	025.4	005.3850	0201.1	106.2	38.11	
152.0	006.2000	0085.4	026.5	024.9	005.3934	0197.0	106.2	37.97	
153.0	006.2000	0083.4	026.2	024.6	005.3982	0195.0	106.1	37.96	
154.0	006.2000	0082.6	026.0	024.4	005.4018	0193.7	105.8	38.00	
155.0	006.2000	0079.9	025.7	024.1	005.4074	0191.8	105.7	37.97	
156.0	006.2000	0074.3	024.8	023.6	005.4161	0189.5	105.9	37.85	
157.0	006.2000	0068.2	023.9	023.1	005.4251	0187.3	106.2	37.71	
158.0	006.2000	0065.4	023.5	022.7	005.4307	0186.0	106.2	37.68	
159.0	006.2000	0068.0	023.9	022.7	005.4308	0186.0	105.7	37.82	
160.0	006.2000	0075.6	025.0	023.0	005.4262	0187.1	104.5	38.13	
161.0	006.2000	0086.1	026.6	023.4	005.4193	0188.7	103.1	38.54	
162.0	006.2000	0096.1	028.0	023.7	005.4134	0190.1	101.7	38.95	
163.0	006.2000	0102.9	028.9	023.9	005.4111	0190.7	100.7	39.25	
164.0	006.2000	0106.3	029.3	023.8	005.4121	0190.5	100.0	39.42	
165.0	006.2000	0108.8	029.6	023.7	005.4140	0190.0	099.5	39.56	
166.0	006.2000	0111.6	030.0	023.6	005.4159	0189.5	098.9	39.72	
167.0	006.2000	0113.5	030.2	023.4	005.4188	0188.8	098.4	39.84	
168.0	006.2000	0111.6	030.0	023.1	005.4245	0187.5	098.3	39.83	
169.0	006.2000	0105.7	029.3	022.6	005.4330	0185.4	098.6	39.68	
170.0	006.2000	0099.8	028.5	022.1	005.4416	0183.4	098.9	39.51	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
171.0	006.2000	0093.2	027.6	021.6	005.4506	0181.1	099.5	39.29
172.0	006.2000	0085.3	026.4	021.0	005.4603	0179.0	100.2	39.02
173.0	006.2000	0075.9	025.0	020.4	005.4708	0177.2	101.2	38.70
174.0	006.2000	0069.0	024.0	019.9	005.4790	0176.3	101.9	38.49
175.0	006.2000	0065.3	023.4	019.6	005.4830	0176.0	102.3	38.40
176.0	006.2000	0063.5	023.2	019.3	005.4861	0176.0	102.4	38.38
177.0	006.2000	0062.7	023.0	019.1	005.4889	0176.1	102.3	38.39
178.0	006.2000	0061.2	022.8	018.8	005.4919	0176.4	102.4	38.39
179.0	006.2000	0058.6	022.4	018.5	005.4952	0176.9	102.6	38.34
180.0	006.2000	0055.9	021.9	018.3	005.4986	0177.6	103.0	38.29
181.0	006.2000	0059.7	022.6	018.2	005.4997	0177.9	102.2	38.49
182.0	006.2000	0063.5	023.2	018.0	005.5011	0178.3	101.5	38.68
183.0	006.2000	0067.9	023.8	017.9	005.5025	0178.6	100.8	38.89
184.0	006.2000	0076.6	025.2	017.9	005.5030	0178.8	099.4	39.27
185.0	006.2000	0083.8	026.2	017.8	005.5043	0179.2	098.3	39.60
186.0	006.2000	0088.0	026.8	017.6	005.5065	0179.9	097.6	39.82
187.0	006.2000	0087.7	026.8	017.3	005.5097	0181.1	097.5	39.88
188.0	006.2000	0082.4	026.0	017.0	005.5137	0182.7	098.2	39.75
189.0	006.2000	0072.1	024.5	016.6	005.5182	0184.6	099.6	39.42
190.0	006.2000	0061.0	022.8	016.2	005.5224	0186.6	101.3	39.04
191.0	006.2000	0050.2	020.8	015.9	005.5262	0188.5	103.2	38.59
192.0	006.2000	0039.8	018.4	015.6	005.5296	0190.0	105.6	38.03
193.0	006.2000	0032.2	016.5	015.4	005.5322	0191.1	107.5	37.60
194.0	006.2000	0027.8	015.9	015.2	005.5341	0191.9	108.0	37.49
195.0	006.2000	0026.4	015.9	015.1	005.5358	0192.5	108.0	37.51
196.0	006.2000	0027.3	015.9	014.9	005.5375	0193.0	108.0	37.53
197.0	006.2000	0029.7	015.9	014.8	005.5392	0193.5	108.0	37.54
198.0	006.2000	0031.4	016.3	014.6	005.5411	0193.9	107.7	37.64
199.0	006.2000	0033.3	016.8	014.5	005.5431	0194.3	107.2	37.77
200.0	006.2000	0038.0	017.9	014.2	005.5456	0194.6	106.1	38.07
201.0	006.1629	0044.2	019.4	014.0	005.5487	0194.8	104.6	38.44
202.0	006.1258	0049.8	020.6	013.7	005.5519	0194.8	103.5	38.75
203.0	006.0889	0054.6	021.6	013.4	005.5552	0194.5	102.6	38.97
204.0	006.0521	0056.5	021.9	013.2	005.5581	0194.2	102.3	39.04
205.0	006.0154	0053.2	021.2	013.0	005.5596	0194.0	103.1	38.84
206.0	005.9788	0047.9	020.1	013.0	005.5604	0193.9	104.3	38.52
207.0	005.9423	0045.6	019.6	012.9	005.5617	0193.7	104.9	38.36
208.0	005.9060	0046.9	019.8	012.7	005.5643	0193.3	104.7	38.39
209.0	005.8697	0049.1	020.3	012.4	005.5673	0192.9	104.3	38.47
210.0	005.8336	0052.6	021.0	012.1	005.5708	0192.6	103.8	38.61
211.0	005.8697	0055.9	021.6	011.8	005.5745	0192.4	103.3	38.74
212.0	005.9060	0055.3	021.6	011.6	005.5766	0192.3	103.5	38.69
213.0	005.9423	0050.1	020.6	011.6	005.5765	0192.3	104.5	38.41
214.0	005.9788	0043.0	019.0	011.8	005.5749	0192.4	106.1	38.00
215.0	006.0154	0034.4	016.9	012.0	005.5717	0192.5	108.2	37.51
216.0	006.0521	0025.3	015.8	012.1	005.5706	0192.6	109.3	37.25
217.0	006.0889	0015.6	015.8	012.0	005.5723	0192.5	109.4	37.22
218.0	006.1258	0007.8	015.8	011.8	005.5739	0192.4	109.5	37.20
219.0	006.1629	0003.2	015.9	011.7	005.5755	0192.3	109.6	37.18
220.0	006.2000	0001.1	015.9	011.6	005.5770	0192.3	109.7	37.15
221.0	006.2000	0000.9	015.9	011.4	005.5785	0192.2	109.8	37.12

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
222.0	006.2000	-0000.5	015.9		011.3	005.5800	0192.1	110.0	37.09
223.0	006.2000	-0003.7	015.9		011.2	005.5815	0192.0	110.1	37.06
224.0	006.2000	-0008.2	015.9		011.1	005.5829	0191.8	110.3	37.02
225.0	006.2000	-0013.6	015.9		010.9	005.5843	0191.5	110.4	36.98
226.0	006.2000	-0017.6	015.9		010.8	005.5857	0191.2	110.6	36.94
227.0	006.2000	-0020.1	015.9		010.7	005.5871	0190.8	110.7	36.89
228.0	006.2000	-0022.0	015.9		010.6	005.5885	0190.3	110.9	36.84
229.0	006.2000	-0025.0	015.9		010.5	005.5898	0189.8	111.1	36.79
230.0	006.2000	-0028.8	015.9		010.4	005.5911	0189.2	111.2	36.74
231.0	006.2000	-0032.8	015.9		010.3	005.5924	0188.7	111.4	36.69
232.0	006.2000	-0037.6	015.9		010.2	005.5937	0188.0	111.6	36.63
233.0	006.2000	-0043.4	015.9		010.1	005.5949	0187.4	111.8	36.58
234.0	006.2000	-0050.4	015.9		009.9	005.5955	0186.7	112.0	36.52
235.0	006.2000	-0057.4	015.9		009.8	005.5955	0186.1	112.2	36.46
236.0	006.2000	-0064.0	015.9		009.7	005.5955	0185.4	112.4	36.40
237.0	006.2000	-0069.3	015.9		009.6	005.5955	0184.7	112.6	36.34
238.0	006.2000	-0072.0	015.9		009.6	005.5955	0184.0	112.8	36.28
239.0	006.2000	-0072.6	015.9		009.5	005.5955	0183.3	113.0	36.22
240.0	006.2000	-0072.7	015.9		009.4	005.5955	0182.7	113.2	36.16
241.0	006.2000	-0073.0	015.9		009.3	005.5955	0182.0	113.4	36.10
242.0	006.2000	-0073.7	015.9		009.2	005.5955	0181.3	113.6	36.04
243.0	006.2000	-0074.6	015.9		009.1	005.5955	0180.7	113.8	35.98
244.0	006.2000	-0075.7	015.9		009.0	005.5955	0180.0	114.1	35.92
245.0	006.2000	-0077.2	015.9		009.0	005.5955	0179.4	114.3	35.85
246.0	006.2000	-0079.0	015.9		008.9	005.5955	0178.8	114.5	35.79
247.0	006.2000	-0080.5	015.9		008.8	005.5955	0178.2	114.8	35.73
248.0	006.2000	-0082.5	015.9		008.7	005.5955	0177.6	115.0	35.66
249.0	006.2000	-0084.6	015.9		008.7	005.5955	0177.1	115.2	35.60
250.0	006.2000	-0086.3	015.9		008.6	005.5955	0176.6	115.5	35.54
251.0	006.2000	-0088.4	015.9		008.5	005.5955	0176.0	115.7	35.47
252.0	006.2000	-0090.8	015.9		008.5	005.5955	0175.5	116.0	35.41
253.0	006.2000	-0092.6	015.9		008.4	005.5955	0175.1	116.2	35.35
254.0	006.2000	-0093.9	015.9		008.3	005.5955	0174.6	116.5	35.29

04-03-2018

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WJMJ BLED19971010KA

WVBA

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 389 m

N. Lat. 41 45 09.0

W. Lng. 72 59 40.0

Protected

60 dBu

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 329 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

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	005.7139	0099.1	027.9	207.7	005.9176	0046.3	112.6	32.02	
316.0	005.6901	0095.6	027.4	207.4	005.9289	0045.7	112.3	32.06	
317.0	005.6664	0091.5	026.8	207.0	005.9423	0045.6	112.1	32.11	
318.0	005.6427	0087.4	026.2	206.6	005.9557	0046.0	111.9	32.18	
319.0	005.6191	0084.6	025.8	206.3	005.9663	0046.7	111.6	32.26	
320.0	005.5955	0083.4	025.6	206.2	005.9731	0047.3	111.3	32.36	
321.0	005.5955	0082.8	025.5	206.0	005.9780	0047.8	110.9	32.45	
322.0	005.5955	0082.1	025.4	205.9	005.9832	0048.4	110.5	32.55	
323.0	005.5955	0082.1	025.4	205.8	005.9872	0049.0	110.2	32.65	
324.0	005.5955	0084.3	025.7	205.8	005.9858	0048.8	109.6	32.74	
325.0	005.5955	0087.8	026.2	205.9	005.9816	0048.2	109.0	32.83	
326.0	005.5955	0090.2	026.5	206.0	005.9805	0048.1	108.4	32.93	
327.0	005.5955	0090.9	026.6	205.9	005.9835	0048.5	108.0	33.03	
328.0	005.5955	0091.1	026.6	205.8	005.9879	0049.1	107.6	33.13	
329.0	005.5955	0091.8	026.7	205.7	005.9913	0049.5	107.1	33.24	
330.0	005.5955	0093.2	026.9	205.6	005.9932	0049.8	106.6	33.35	
331.0	005.5955	0096.2	027.3	205.6	005.9921	0049.7	106.0	33.45	
332.0	005.5955	0101.0	028.0	205.8	005.9876	0049.0	105.2	33.56	
333.0	005.5955	0106.9	028.7	205.9	005.9815	0048.2	104.4	33.69	
334.0	005.5955	0112.5	029.4	206.0	005.9770	0047.7	103.6	33.82	
335.0	005.5955	0116.9	029.9	206.1	005.9759	0047.6	102.9	33.95	
336.0	005.5955	0119.4	030.2	206.0	005.9785	0047.8	102.3	34.07	
337.0	005.5955	0120.9	030.3	205.9	005.9831	0048.4	101.8	34.19	
338.0	005.5955	0122.0	030.4	205.7	005.9886	0049.2	101.3	34.32	
339.0	005.5955	0123.3	030.6	205.6	005.9942	0050.0	100.8	34.45	
340.0	005.5955	0124.1	030.7	205.4	006.0007	0051.0	100.4	34.58	
341.0	005.5955	0123.3	030.6	205.1	006.0100	0052.3	100.1	34.70	
342.0	005.5955	0121.7	030.4	204.9	006.0204	0054.0	099.8	34.83	
343.0	005.5955	0121.7	030.4	204.6	006.0287	0055.1	099.5	34.95	
344.0	005.5955	0123.6	030.6	204.5	006.0346	0055.7	099.0	35.08	
345.0	005.5955	0126.2	030.9	204.3	006.0396	0056.0	098.4	35.21	
346.0	005.5955	0129.6	031.2	204.2	006.0439	0056.2	097.8	35.35	
347.0	005.5955	0134.3	031.7	204.1	006.0467	0056.4	097.1	35.51	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
348.0	005.5955	0139.8	032.4	204.1	006.0486	0056.5	096.2	35.69
349.0	005.5955	0143.7	032.8	204.0	006.0531	0056.5	095.5	35.85
350.0	005.5955	0146.0	033.1	203.8	006.0604	0056.5	095.0	35.97
351.0	005.5955	0145.8	033.1	203.5	006.0714	0056.1	094.7	36.03
352.0	005.5955	0145.1	033.0	203.2	006.0833	0055.1	094.5	36.05
353.0	005.5955	0145.2	033.0	202.9	006.0943	0054.0	094.2	36.08
354.0	005.5955	0144.4	032.9	202.5	006.1065	0052.5	094.0	36.06
355.0	005.5955	0141.6	032.6	202.1	006.1213	0050.4	094.0	35.98
356.0	005.5955	0138.1	032.2	201.7	006.1367	0048.2	094.1	35.86
357.0	005.5955	0135.4	031.9	201.3	006.1510	0046.1	094.2	35.77
358.0	005.5955	0137.8	032.1	201.1	006.1602	0044.7	093.7	35.82
359.0	005.5955	0145.0	033.0	200.9	006.1651	0043.9	092.7	36.00
000.0	005.5955	0152.8	033.8	200.8	006.1704	0043.0	091.7	36.19
001.0	005.5955	0160.3	034.7	200.6	006.1769	0041.9	090.7	36.36
002.0	005.5955	0163.5	035.0	200.3	006.1878	0040.1	090.2	36.39
003.0	005.5955	0166.5	035.3	200.0	006.1994	0038.1	089.7	36.41
004.0	005.5955	0166.4	035.3	199.6	006.2000	0036.0	089.5	36.34
005.0	005.5955	0164.4	035.1	199.2	006.2000	0034.2	089.6	36.24
006.0	005.5955	0163.2	035.0	198.8	006.2000	0032.7	089.6	36.17
007.0	005.5955	0165.6	035.2	198.5	006.2000	0032.0	089.2	36.21
008.0	005.5955	0171.9	035.9	198.2	006.2000	0031.5	088.5	36.34
009.0	005.5955	0179.8	036.6	197.8	006.2000	0031.3	087.6	36.50
010.0	005.5955	0187.1	037.2	197.5	006.2000	0030.7	086.9	36.62
011.0	005.5837	0191.7	037.6	197.1	006.2000	0029.8	086.5	36.66
012.0	005.5720	0192.5	037.6	196.6	006.2000	0028.6	086.4	36.69
013.0	005.5602	0193.9	037.7	196.2	006.2000	0027.6	086.2	36.71
014.0	005.5485	0194.8	037.8	195.8	006.2000	0026.8	086.2	36.73
015.0	005.5368	0192.8	037.6	195.3	006.2000	0026.4	086.3	36.70
016.0	005.5250	0187.9	037.2	194.9	006.2000	0026.4	086.8	36.61
017.0	005.5133	0182.5	036.7	194.5	006.2000	0026.8	087.2	36.51
018.0	005.5017	0178.4	036.3	194.1	006.2000	0027.6	087.7	36.42
019.0	005.4900	0176.2	036.1	193.7	006.2000	0029.0	087.9	36.37
020.0	005.4783	0176.4	036.1	193.3	006.2000	0030.8	088.0	36.39
021.0	005.4608	0178.8	036.3	192.8	006.2000	0033.1	087.9	36.54
022.0	005.4434	0182.9	036.6	192.4	006.2000	0036.1	087.7	36.75
023.0	005.4260	0187.1	037.0	191.9	006.2000	0040.3	087.5	37.01
024.0	005.4086	0191.4	037.3	191.5	006.2000	0045.0	087.3	37.31
025.0	005.3912	0198.0	037.8	191.0	006.2000	0050.3	087.0	37.66
026.0	005.3739	0207.5	038.5	190.4	006.2000	0056.1	086.4	38.08
027.0	005.3566	0217.8	039.3	189.9	006.2000	0062.4	085.9	38.53
028.0	005.3393	0225.5	039.8	189.3	006.2000	0068.6	085.6	38.91
029.0	005.3221	0228.1	039.9	188.9	006.2000	0073.7	085.7	39.14
030.0	005.3049	0225.8	039.7	188.5	006.2000	0077.8	086.2	39.22
031.0	005.3049	0220.1	039.3	188.1	006.2000	0081.0	086.8	39.21
032.0	005.3049	0212.6	038.8	187.9	006.2000	0083.5	087.6	39.12
033.0	005.3049	0205.9	038.3	187.6	006.2000	0085.4	088.3	39.02
034.0	005.3049	0202.6	038.0	187.3	006.2000	0087.0	088.8	38.95
035.0	005.3049	0203.5	038.1	186.9	006.2000	0087.8	089.1	38.92
036.0	005.3049	0206.5	038.3	186.5	006.2000	0088.2	089.2	38.91
037.0	005.3049	0209.7	038.6	186.0	006.2000	0088.0	089.3	38.87
038.0	005.3049	0212.9	038.8	185.6	006.2000	0086.9	089.5	38.77

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
039.0	005.3049	0217.1	039.1		185.1	006.2000	0084.4	089.6	38.63
040.0	005.3049	0221.7	039.5		184.6	006.2000	0081.5	089.7	38.46
041.0	005.3164	0227.0	039.8		184.1	006.2000	0077.6	089.8	38.26
042.0	005.3278	0232.5	040.2		183.6	006.2000	0073.0	089.9	38.02
043.0	005.3393	0237.2	040.6		183.1	006.2000	0068.9	090.1	37.78
044.0	005.3509	0240.9	040.8		182.7	006.2000	0065.9	090.4	37.57
045.0	005.3624	0243.2	041.0		182.3	006.2000	0064.5	090.8	37.42
046.0	005.4086	0244.7	041.1		181.9	006.2000	0063.0	091.1	37.26
047.0	005.4550	0245.6	041.3		181.5	006.2000	0061.6	091.6	37.10
048.0	005.5017	0246.3	041.4		181.1	006.2000	0060.2	092.0	36.93
049.0	005.5485	0246.6	041.5		180.8	006.2000	0058.9	092.5	36.76
050.0	005.5955	0247.0	041.6		180.5	006.2000	0057.7	093.0	36.59
051.0	005.5955	0247.6	041.6		180.2	006.2000	0056.5	093.5	36.41
052.0	005.5955	0248.4	041.7		179.9	006.2000	0056.3	094.0	36.28
053.0	005.5955	0249.8	041.7		179.6	006.2000	0057.1	094.6	36.20
054.0	005.5955	0252.1	041.9		179.2	006.2000	0058.0	095.1	36.12
055.0	005.5955	0255.1	042.1		178.9	006.2000	0058.9	095.6	36.05
056.0	005.5955	0258.2	042.3		178.5	006.2000	0059.8	096.1	35.97
057.0	005.5955	0261.3	042.5		178.2	006.2000	0060.6	096.6	35.89
058.0	005.5955	0263.6	042.6		177.9	006.2000	0061.4	097.2	35.80
059.0	005.5955	0265.2	042.7		177.7	006.2000	0062.0	097.8	35.70
060.0	005.5955	0266.7	042.8		177.4	006.2000	0062.4	098.4	35.59
061.0	005.5955	0268.0	042.9		177.2	006.2000	0062.5	099.0	35.46
062.0	005.5955	0269.2	043.0		176.9	006.2000	0062.8	099.7	35.34
063.0	005.5955	0270.4	043.0		176.7	006.2000	0063.1	100.3	35.22
064.0	005.5955	0271.4	043.1		176.5	006.2000	0063.2	101.0	35.09
065.0	005.5955	0272.4	043.2		176.3	006.2000	0063.3	101.7	34.95
066.0	005.5955	0273.1	043.2		176.2	006.2000	0063.4	102.4	34.82
067.0	005.5955	0273.4	043.2		176.0	006.2000	0063.5	103.1	34.69
068.0	005.5955	0272.8	043.2		175.9	006.2000	0063.7	103.8	34.55
069.0	005.5955	0271.6	043.1		175.8	006.2000	0063.8	104.6	34.42
070.0	005.5955	0269.4	043.0		175.8	006.2000	0063.9	105.3	34.27
071.0	005.5837	0266.6	042.8		175.8	006.2000	0063.9	106.1	34.13
072.0	005.5720	0263.7	042.6		175.8	006.2000	0063.9	106.9	33.98
073.0	005.5602	0261.0	042.4		175.8	006.2000	0063.8	107.6	33.84
074.0	005.5485	0258.9	042.2		175.8	006.2000	0063.8	108.4	33.70

Contour-to-Contour Analysis, WVBA vs WERS
Vermont Public Radio

FMCommander Single Allocation Study - 04-03-2018 - FCC NGDC 30 Sec
WVBA's Overlaps (In= 5.54 km, Out= 3.72 km)

WVBA CH 205 B1 DA

Lat= 42 49 42.2, Lng= 72 36 00.3

6.2 kW 54 m HAAT, 329 m COR

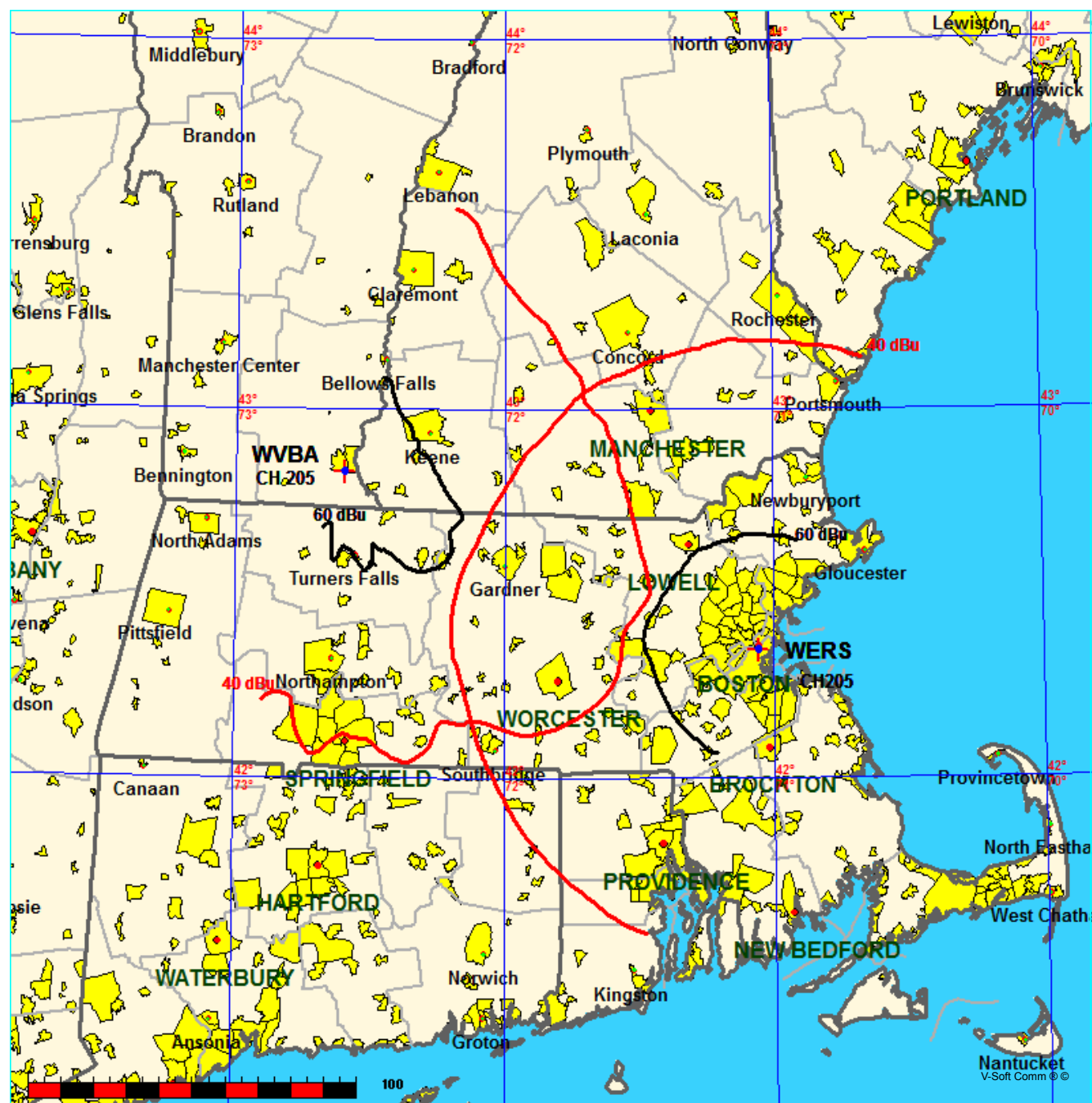
Prot.= 60 dBu, Intef.= 40 dBu

WERS CH 205 B1 BLED19900706KB

Lat= 42 21 08.0, Lng= 71 03 25.0

4.0 kW 186 m HAAT, 203 m COR

Prot.= 60 dBu, Intef.= 40 dBu



04-03-2018

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WVBA

WEVO BMLED20100630BSW

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 329 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Protected

60 dBu

Channel = 206B

Max ERP = 50 kW

RCAMSL = 251 m

N. Lat. 43 12 53.0

W. Lng. 71 34 28.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
002.0	003.8206	0097.9	025.3	258.2	050.0000	0102.2	084.2	49.99	
003.0	003.7721	0097.5	025.2	258.1	050.0000	0102.0	083.8	50.10	
004.0	003.7239	0100.6	025.5	258.2	050.0000	0102.1	083.3	50.25	
005.0	003.6855	0104.9	025.9	258.4	050.0000	0102.3	082.7	50.41	
006.0	003.6379	0107.3	026.1	258.4	050.0000	0102.3	082.2	50.55	
007.0	003.5905	0108.1	026.2	258.3	050.0000	0102.2	081.8	50.67	
008.0	003.5435	0111.4	026.4	258.4	050.0000	0102.3	081.3	50.82	
009.0	003.4968	0117.1	026.9	258.6	050.0000	0102.4	080.7	51.00	
010.0	003.4504	0124.4	027.5	258.9	050.0000	0102.6	080.0	51.19	
011.0	003.3312	0131.5	027.9	259.0	050.0000	0102.7	079.4	51.36	
012.0	003.2052	0139.3	028.4	259.2	050.0000	0102.8	078.8	51.55	
013.0	003.0903	0147.3	028.8	259.4	050.0000	0102.9	078.1	51.73	
014.0	002.9775	0153.9	029.2	259.4	050.0000	0103.0	077.5	51.91	
015.0	002.8585	0158.8	029.3	259.4	050.0000	0102.9	077.0	52.06	
016.0	002.7500	0163.1	029.4	259.3	050.0000	0102.9	076.5	52.20	
017.0	002.6437	0166.8	029.5	259.1	050.0000	0102.8	076.0	52.33	
018.0	002.5395	0170.8	029.5	259.0	050.0000	0102.7	075.6	52.46	
019.0	002.4296	0176.7	029.7	258.9	050.0000	0102.6	075.0	52.61	
020.0	002.3298	0183.7	029.9	258.8	050.0000	0102.6	074.5	52.77	
021.0	002.2469	0190.8	030.2	258.8	050.0000	0102.5	073.9	52.94	
022.0	002.1729	0197.4	030.5	258.7	050.0000	0102.5	073.3	53.11	
023.0	002.0929	0204.2	030.7	258.7	050.0000	0102.4	072.7	53.27	
024.0	002.0144	0210.7	030.9	258.5	050.0000	0102.4	072.1	53.44	
025.0	001.9374	0215.6	031.0	258.3	050.0000	0102.2	071.7	53.57	
026.0	001.8687	0217.6	030.9	258.0	050.0000	0102.0	071.3	53.66	
027.0	001.7946	0216.7	030.5	257.5	050.0000	0101.6	071.1	53.69	
028.0	001.7219	0213.7	030.0	256.9	050.0000	0101.3	071.1	53.69	
029.0	001.6572	0209.8	029.5	256.3	050.0000	0101.1	071.0	53.69	
030.0	001.5874	0205.1	028.9	255.7	050.0000	0101.1	071.1	53.67	
031.0	001.5624	0199.7	028.4	255.1	050.0000	0101.2	071.1	53.67	
032.0	001.5500	0193.7	027.9	254.6	050.0000	0101.2	071.1	53.68	
033.0	001.5376	0187.8	027.5	254.0	050.0000	0101.3	071.1	53.68	
034.0	001.5192	0182.5	027.1	253.5	050.0000	0101.5	071.1	53.68	
035.0	001.5008	0177.3	026.7	253.0	050.0000	0101.6	071.2	53.68	
036.0	001.4947	0171.8	026.3	252.5	050.0000	0101.6	071.2	53.67	
037.0	001.5315	0165.7	026.0	252.1	050.0000	0101.5	071.2	53.67	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
038.0	001.5937	0158.3	025.7	251.7	050.0000	0101.2	071.2	53.66
039.0	001.6636	0151.1	025.4	251.2	050.0000	0101.0	071.2	53.64
040.0	001.7416	0144.9	025.2	250.8	050.0000	0100.7	071.1	53.64
041.0	001.8146	0139.7	025.0	250.5	050.0000	0100.4	071.1	53.64
042.0	001.8892	0135.1	024.9	250.1	050.0000	0099.9	071.0	53.64
043.0	001.9443	0130.9	024.7	249.7	050.0000	0099.3	070.9	53.62
044.0	001.9932	0128.2	024.6	249.4	050.0000	0098.7	070.8	53.62
045.0	001.9792	0127.1	024.5	249.0	050.0000	0098.1	070.8	53.60
046.0	001.9792	0126.6	024.5	248.7	050.0000	0097.5	070.6	53.60
047.0	002.0428	0125.2	024.5	248.4	050.0000	0096.8	070.4	53.62
048.0	002.1218	0122.6	024.5	248.1	050.0000	0096.0	070.3	53.62
049.0	002.2023	0119.6	024.5	247.7	050.0000	0095.0	070.2	53.59
050.0	002.2844	0117.3	024.5	247.4	050.0000	0094.0	070.1	53.57
051.0	002.3603	0115.8	024.5	247.1	050.0000	0092.9	069.9	53.56
052.0	002.4374	0115.0	024.6	246.8	050.0000	0091.9	069.7	53.56
053.0	002.5158	0114.1	024.7	246.4	050.0000	0091.0	069.5	53.56
054.0	002.5954	0112.5	024.8	246.1	050.0000	0090.1	069.4	53.54
055.0	002.6681	0109.6	024.6	245.7	050.0000	0089.2	069.4	53.47
056.0	002.7500	0106.7	024.5	245.3	050.0000	0088.5	069.5	53.40
057.0	002.8333	0103.9	024.3	245.0	050.0000	0088.0	069.6	53.35
058.0	002.9177	0101.2	024.2	244.6	050.0000	0087.7	069.7	53.31
059.0	003.0034	0098.7	024.1	244.3	050.0000	0087.5	069.8	53.28
060.0	003.0903	0096.2	023.9	243.9	050.0000	0087.5	069.9	53.24
061.0	003.1431	0093.9	023.7	243.6	050.0000	0087.5	070.0	53.19
062.0	003.1962	0092.0	023.6	243.2	050.0000	0087.6	070.2	53.16
063.0	003.2499	0091.1	023.6	242.9	050.0000	0087.8	070.2	53.17
064.0	003.3040	0091.1	023.7	242.5	050.0000	0088.1	070.1	53.20
065.0	003.3585	0092.0	023.9	242.2	050.0000	0088.4	069.9	53.27
066.0	003.4135	0093.5	024.2	241.8	050.0000	0088.6	069.7	53.36
067.0	003.4689	0094.0	024.3	241.5	050.0000	0088.7	069.6	53.40
068.0	003.5248	0093.7	024.4	241.1	050.0000	0088.8	069.6	53.40
069.0	003.5811	0092.3	024.3	240.8	050.0000	0088.9	069.7	53.36
070.0	003.6379	0090.2	024.1	240.5	050.0000	0088.9	070.0	53.29
071.0	003.6951	0087.5	023.8	240.2	050.0000	0089.0	070.3	53.20
072.0	003.7528	0084.5	023.5	239.9	050.0000	0089.1	070.7	53.09
073.0	003.8109	0082.4	023.3	239.6	050.0000	0089.2	071.0	53.02
074.0	003.8694	0082.6	023.4	239.3	050.0000	0089.3	071.0	53.03
075.0	003.9284	0084.4	023.7	238.9	050.0000	0089.7	070.8	53.11
076.0	003.9879	0086.9	024.2	238.5	050.0000	0090.1	070.5	53.21
077.0	004.0478	0091.1	024.8	238.0	050.0000	0090.7	070.1	53.38
078.0	004.1081	0095.2	025.4	237.5	050.0000	0091.4	069.7	53.53
079.0	004.1689	0098.0	025.8	237.0	050.0000	0091.8	069.4	53.63
080.0	004.2301	0098.9	026.0	236.6	050.0000	0092.1	069.4	53.64
081.0	004.2506	0099.2	026.1	236.2	050.0000	0092.2	069.5	53.61
082.0	004.2712	0101.1	026.4	235.8	050.0000	0092.3	069.5	53.63
083.0	004.3021	0102.3	026.5	235.4	050.0000	0092.4	069.6	53.62
084.0	004.3124	0103.8	026.7	235.0	050.0000	0092.6	069.6	53.61
085.0	004.3228	0104.9	026.9	234.6	050.0000	0092.9	069.7	53.60
086.0	004.4270	0105.4	027.1	234.2	050.0000	0093.4	069.8	53.61
087.0	004.5324	0105.9	027.3	233.7	050.0000	0093.9	069.9	53.61
088.0	004.5006	0107.8	027.5	233.3	050.0000	0094.4	070.0	53.61

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
089.0	004.4584	0110.4	027.7		232.9	050.0000	0095.0	070.1	53.61
090.0	004.4270	0112.9	027.9		232.5	050.0000	0095.5	070.2	53.61
091.0	004.4900	0115.5	028.3		232.0	050.0000	0096.1	070.3	53.63
092.0	004.5642	0117.8	028.6		231.5	050.0000	0096.7	070.3	53.65
093.0	004.6283	0119.9	028.9		231.0	050.0000	0097.5	070.4	53.66
094.0	004.6928	0121.9	029.2		230.6	050.0000	0098.6	070.6	53.68
095.0	004.7686	0124.2	029.6		230.1	050.0000	0099.9	070.7	53.72
096.0	004.8341	0126.7	029.9		229.6	050.0000	0101.3	070.8	53.76
097.0	004.9000	0129.4	030.2		229.1	050.0000	0103.0	071.0	53.80
098.0	004.9664	0132.4	030.6		228.6	050.0000	0104.3	071.1	53.83
099.0	005.0443	0135.4	031.1		228.0	050.0000	0105.6	071.3	53.86
100.0	005.1117	0138.8	031.5		227.5	050.0000	0106.7	071.4	53.88
101.0	005.1455	0142.4	032.0		226.9	050.0000	0107.6	071.6	53.87
102.0	005.1908	0147.1	032.6		226.3	050.0000	0108.7	071.7	53.89
103.0	005.2249	0151.7	033.2		225.6	050.0000	0109.9	071.9	53.90
104.0	005.2591	0156.9	033.8		225.0	050.0000	0111.1	072.1	53.91
105.0	005.2934	0163.5	034.5		224.2	050.0000	0112.4	072.2	53.94
106.0	005.3393	0170.5	035.3		223.4	050.0000	0113.9	072.4	53.97
107.0	005.3739	0178.6	036.2		222.6	050.0000	0115.4	072.6	53.98
108.0	005.4086	0186.4	036.9		221.9	050.0000	0116.4	072.9	53.95
109.0	005.4550	0194.1	037.6		221.2	050.0000	0117.1	073.2	53.88
110.0	005.4900	0200.5	038.1		220.6	050.0000	0117.3	073.7	53.77
111.0	005.5602	0203.4	038.5		220.2	050.0000	0117.4	074.2	53.62
112.0	005.6309	0202.8	038.5		220.0	050.0000	0117.5	074.8	53.44
113.0	005.7020	0198.8	038.3		220.0	050.0000	0117.5	075.5	53.23
114.0	005.7736	0193.8	038.0		220.1	050.0000	0117.5	076.2	53.01
115.0	005.8336	0189.3	037.7		220.2	050.0000	0117.4	076.9	52.80
116.0	005.9060	0185.2	037.5		220.2	050.0000	0117.4	077.6	52.60
117.0	005.9788	0180.9	037.3		220.3	050.0000	0117.4	078.3	52.40
118.0	006.0521	0177.8	037.1		220.3	050.0000	0117.4	079.0	52.20
119.0	006.1258	0176.8	037.1		220.2	050.0000	0117.4	079.6	52.02
120.0	006.2000	0179.2	037.4		219.9	050.0000	0117.5	080.2	51.85
121.0	006.2000	0184.2	037.8		219.5	050.0000	0117.7	080.8	51.69

04-03-2018

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WEVO BMLED20100630BSW

WVBA

Channel = 206B

Max ERP = 50 kW

RCAMSL = 251 m

N. Lat. 43 12 53.0

W. Lng. 71 34 28.0

Protected

60 dBu

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 329 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
183.0	050.0000	0096.0	044.0	090.4	004.4516	0114.0	081.3	40.86	
184.0	050.0000	0097.1	044.2	090.5	004.4584	0114.2	080.6	41.10	
185.0	050.0000	0096.0	044.0	090.3	004.4477	0113.8	079.8	41.29	
186.0	050.0000	0096.7	044.2	090.4	004.4507	0113.9	079.0	41.52	
187.0	050.0000	0097.0	044.2	090.4	004.4502	0113.9	078.3	41.74	
188.0	050.0000	0094.4	043.8	090.0	004.4283	0112.8	077.5	41.87	
189.0	050.0000	0088.7	042.7	089.1	004.4556	0110.6	077.0	41.96	
190.0	050.0000	0083.8	041.7	088.3	004.4886	0108.6	076.4	42.05	
191.0	050.0000	0080.4	041.0	087.7	004.5115	0106.8	075.8	42.15	
192.0	050.0000	0078.5	040.6	087.2	004.5247	0106.1	075.2	42.30	
193.0	050.0000	0077.0	040.3	086.9	004.5197	0105.8	074.6	42.45	
194.0	050.0000	0076.8	040.3	086.7	004.5003	0105.7	074.0	42.62	
195.0	050.0000	0077.1	040.3	086.6	004.4877	0105.6	073.3	42.81	
196.0	050.0000	0078.2	040.6	086.6	004.4879	0105.6	072.5	43.03	
197.0	050.0000	0080.5	041.0	086.8	004.5063	0105.7	071.7	43.30	
198.0	050.0000	0084.2	041.8	087.1	004.5283	0106.0	070.8	43.61	
199.0	050.0000	0088.5	042.6	087.6	004.5148	0106.6	069.8	43.92	
200.0	050.0000	0093.0	043.5	088.0	004.5007	0107.8	068.8	44.28	
201.0	050.0000	0097.8	044.4	088.4	004.4822	0108.9	067.7	44.64	
202.0	050.0000	0101.7	045.0	088.7	004.4702	0109.7	066.8	44.97	
203.0	050.0000	0104.5	045.5	088.8	004.4652	0110.0	065.8	45.27	
204.0	050.0000	0107.9	046.1	089.0	004.4581	0110.4	064.9	45.59	
205.0	050.0000	0113.1	046.9	089.4	004.4462	0111.4	063.8	45.98	
206.0	050.0000	0118.2	047.7	089.7	004.4361	0112.2	062.7	46.37	
207.0	050.0000	0120.6	048.1	089.7	004.4377	0112.1	061.8	46.67	
208.0	050.0000	0120.7	048.1	089.3	004.4484	0111.2	061.1	46.89	
209.0	050.0000	0121.2	048.2	089.0	004.4588	0110.4	060.3	47.13	
210.0	050.0000	0122.5	048.3	088.7	004.4693	0109.7	059.5	47.39	
211.0	050.0000	0123.6	048.5	088.4	004.4818	0109.0	058.7	47.65	
212.0	050.0000	0124.2	048.6	088.1	004.4975	0108.0	057.9	47.89	
213.0	050.0000	0124.8	048.7	087.7	004.5108	0106.9	057.1	48.11	
214.0	050.0000	0125.5	048.8	087.3	004.5241	0106.1	056.4	48.36	
215.0	050.0000	0125.6	048.8	086.8	004.5060	0105.7	055.7	48.58	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
216.0	050.0000	0124.8	048.7	086.1	004.4388	0105.5	055.1	48.72
217.0	050.0000	0123.0	048.4	085.3	004.3575	0105.1	054.6	48.80
218.0	050.0000	0120.4	048.0	084.4	004.3171	0104.4	054.2	48.86
219.0	050.0000	0118.3	047.7	083.6	004.3083	0103.1	053.9	48.91
220.0	050.0000	0117.5	047.6	082.9	004.2983	0102.2	053.4	49.03
221.0	050.0000	0117.2	047.6	082.2	004.2769	0101.4	052.8	49.15
222.0	050.0000	0116.3	047.4	081.4	004.2590	0100.0	052.4	49.20
223.0	050.0000	0114.7	047.2	080.5	004.2411	0098.8	052.1	49.23
224.0	050.0000	0112.8	046.9	079.6	004.2066	0098.8	051.8	49.29
225.0	050.0000	0111.0	046.6	078.7	004.1503	0097.3	051.6	49.21
226.0	050.0000	0109.2	046.3	077.8	004.0937	0094.4	051.4	49.00
227.0	050.0000	0107.4	046.0	076.8	004.0373	0090.3	051.2	48.68
228.0	050.0000	0105.6	045.7	075.9	003.9806	0086.5	051.0	48.36
229.0	050.0000	0103.2	045.3	074.9	003.9210	0084.2	051.0	48.10
230.0	050.0000	0100.1	044.8	073.8	003.8588	0082.4	051.2	47.82
231.0	050.0000	0097.6	044.3	072.8	003.8005	0082.6	051.3	47.73
232.0	050.0000	0096.0	044.0	071.9	003.7475	0084.7	051.3	47.87
233.0	050.0000	0094.8	043.8	071.0	003.6961	0087.5	051.2	48.05
234.0	050.0000	0093.6	043.6	070.1	003.6452	0089.8	051.2	48.20
235.0	050.0000	0092.5	043.4	069.2	003.5952	0091.8	051.2	48.30
236.0	050.0000	0092.3	043.4	068.4	003.5480	0093.3	051.0	48.41
237.0	050.0000	0091.8	043.3	067.6	003.5003	0093.9	051.0	48.43
238.0	050.0000	0090.7	043.1	066.7	003.4515	0094.0	051.0	48.35
239.0	050.0000	0089.6	042.8	065.8	003.4036	0093.3	051.1	48.20
240.0	050.0000	0089.1	042.7	065.0	003.3572	0092.0	051.1	48.03
241.0	050.0000	0088.8	042.7	064.1	003.3115	0091.1	051.1	47.91
242.0	050.0000	0088.5	042.6	063.3	003.2662	0091.0	051.2	47.83
243.0	050.0000	0087.8	042.5	062.5	003.2213	0091.4	051.3	47.75
244.0	050.0000	0087.5	042.5	061.6	003.1771	0092.6	051.3	47.77
245.0	050.0000	0088.0	042.5	060.8	003.1330	0094.3	051.3	47.86
246.0	050.0000	0089.9	042.9	059.9	003.0855	0096.3	051.0	48.07
247.0	050.0000	0092.7	043.4	059.0	003.0062	0098.7	050.5	48.30
248.0	050.0000	0095.8	044.0	058.1	002.9247	0101.0	050.1	48.52
249.0	050.0000	0098.1	044.4	057.1	002.8439	0103.5	049.8	48.69
250.0	050.0000	0099.7	044.7	056.2	002.7649	0106.1	049.7	48.80
251.0	050.0000	0100.8	044.9	055.3	002.6886	0108.8	049.7	48.85
252.0	050.0000	0101.4	045.0	054.4	002.6208	0111.6	049.8	48.88
253.0	050.0000	0101.6	045.0	053.5	002.5536	0113.5	050.0	48.81
254.0	050.0000	0101.3	045.0	052.7	002.4885	0114.5	050.3	48.63
255.0	050.0000	0101.2	045.0	051.8	002.4248	0115.2	050.6	48.44
256.0	050.0000	0101.1	044.9	051.0	002.3626	0115.8	051.0	48.24
257.0	050.0000	0101.3	045.0	050.2	002.3008	0116.9	051.3	48.07
258.0	050.0000	0102.0	045.1	049.4	002.2332	0118.6	051.5	47.94
259.0	050.0000	0102.7	045.2	048.5	002.1656	0120.9	051.8	47.83
260.0	050.0000	0103.2	045.3	047.8	002.1020	0123.4	052.1	47.70
261.0	050.0000	0103.2	045.3	047.0	002.0440	0125.1	052.5	47.51
262.0	050.0000	0103.1	045.3	046.3	001.9992	0126.1	053.0	47.29
263.0	050.0000	0103.0	045.3	045.6	001.9792	0126.9	053.5	47.10
264.0	050.0000	0103.1	045.3	045.0	001.9797	0127.2	054.0	46.93
265.0	050.0000	0103.3	045.3	044.3	001.9892	0127.6	054.4	46.80
266.0	050.0000	0103.3	045.3	043.7	001.9765	0128.8	054.9	46.64

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
267.0	050.0000	0102.5	045.2		043.2	001.9519	0130.4	055.6	46.42
268.0	050.0000	0101.0	044.9		042.8	001.9305	0131.8	056.3	46.17
269.0	050.0000	0099.3	044.6		042.4	001.9115	0133.1	057.1	45.91
270.0	050.0000	0097.7	044.3		042.1	001.8942	0134.6	057.8	45.67
271.0	050.0000	0096.0	044.0		041.8	001.8737	0136.0	058.6	45.41
272.0	050.0000	0096.4	044.1		041.3	001.8340	0138.4	059.1	45.25
273.0	050.0000	0097.6	044.3		040.6	001.7874	0141.5	059.6	45.14
274.0	050.0000	0098.9	044.6		040.0	001.7409	0145.0	060.1	45.04
275.0	050.0000	0100.1	044.8		039.4	001.6942	0148.6	060.6	44.94
276.0	050.0000	0101.1	045.0		038.8	001.6527	0152.2	061.1	44.82
277.0	050.0000	0102.2	045.1		038.3	001.6145	0156.2	061.7	44.73
278.0	050.0000	0103.2	045.3		037.8	001.5802	0160.0	062.3	44.63
279.0	050.0000	0104.1	045.5		037.3	001.5502	0163.4	062.9	44.51
280.0	050.0000	0105.3	045.7		036.8	001.5243	0166.9	063.5	44.40
281.0	050.0000	0106.5	045.9		036.3	001.5064	0170.0	064.1	44.29
282.0	050.0000	0109.0	046.3		035.7	001.4966	0173.6	064.7	44.24
283.0	050.0000	0111.3	046.6		035.1	001.5002	0176.8	065.3	44.20
284.0	050.0000	0113.4	047.0		034.6	001.5089	0179.6	065.9	44.13
285.0	050.0000	0114.8	047.2		034.1	001.5168	0181.9	066.6	44.02
286.0	050.0000	0115.1	047.2		033.9	001.5217	0183.2	067.4	43.83
287.0	050.0000	0114.8	047.2		033.7	001.5249	0184.1	068.2	43.61
288.0	050.0000	0113.9	047.1		033.6	001.5264	0184.5	069.0	43.36
289.0	050.0000	0111.6	046.7		033.7	001.5246	0184.0	069.9	43.04
290.0	050.0000	0109.4	046.3		033.8	001.5225	0183.5	070.7	42.72
291.0	050.0000	0107.0	046.0		034.0	001.5199	0182.7	071.6	42.39
292.0	050.0000	0105.1	045.6		034.1	001.5181	0182.2	072.5	42.08
293.0	050.0000	0104.2	045.5		034.0	001.5184	0182.3	073.3	41.82
294.0	050.0000	0102.8	045.2		034.1	001.5173	0182.0	074.1	41.53
295.0	050.0000	0101.3	045.0		034.2	001.5155	0181.5	074.9	41.24
296.0	050.0000	0099.7	044.7		034.3	001.5135	0181.0	075.7	40.94
297.0	050.0000	0099.4	044.6		034.3	001.5144	0181.2	076.5	40.70
298.0	050.0000	0101.1	044.9		034.0	001.5197	0182.7	077.3	40.54
299.0	050.0000	0103.1	045.3		033.6	001.5257	0184.3	078.0	40.38
300.0	050.0000	0105.1	045.6		033.4	001.5311	0185.8	078.8	40.21
301.0	050.0000	0106.3	045.8		033.2	001.5343	0186.8	079.6	40.01
302.0	050.0000	0106.6	045.9		033.1	001.5354	0187.1	080.3	39.78

Contour-to-Contour Analysis, WVBA vs WFCR
Vermont Public Radio

FMCommander Single Allocation Study - 04-03-2018 - FCC NGDC 30 Sec
WVBA's Overlaps (In= 18.6 km, Out= 4.94 km)

WVBA CH 205 B1 DA

Lat= 42 49 42.2, Lng= 72 36 00.3

6.2 kW 54 m HAAT, 329 m COR

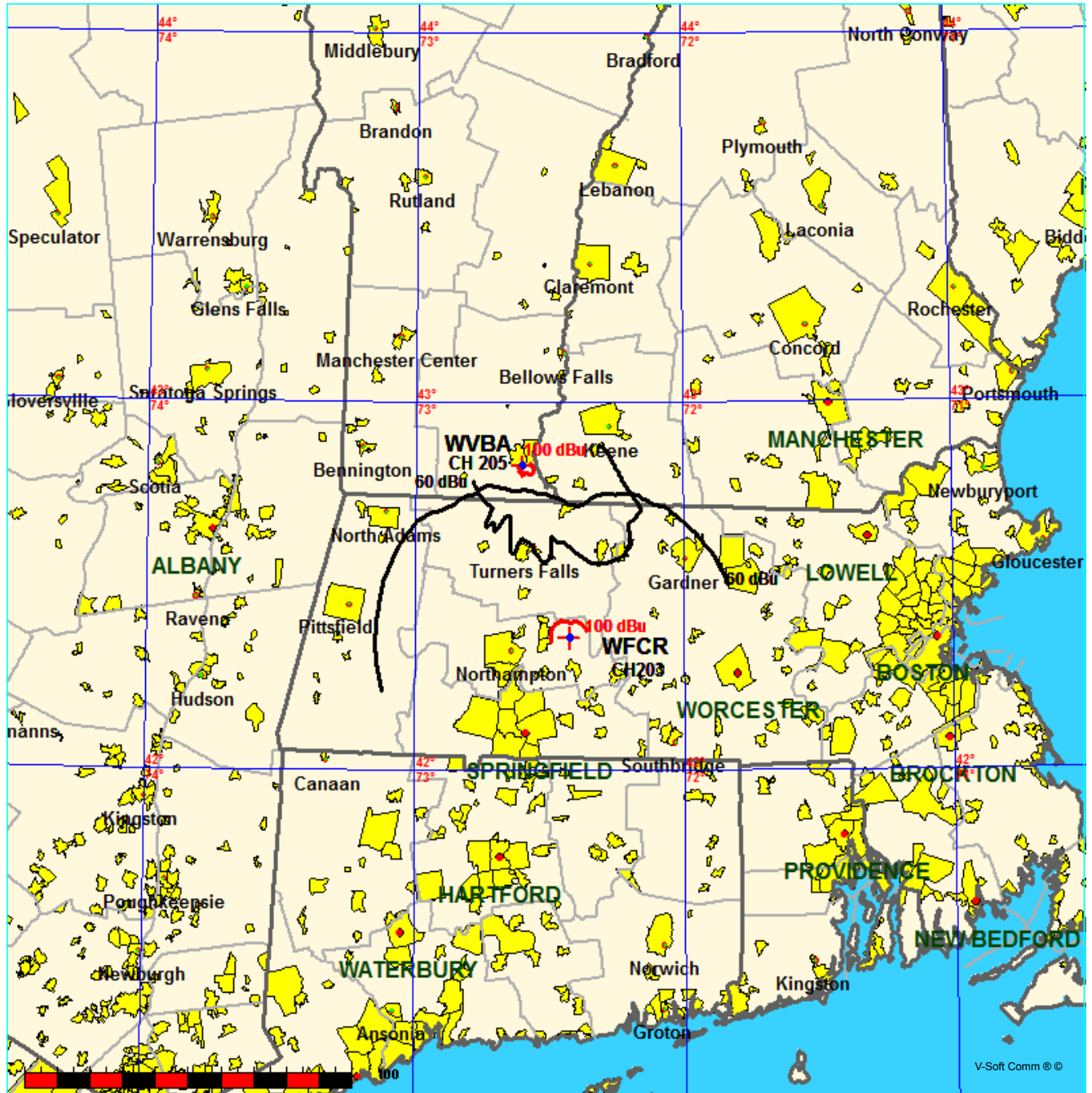
Prot.= 60 dBu, Intef.= 100 dBu

WFCR CH 203 B BLED19970605KB

Lat= 42 21 49.0, Lng= 72 25 24.0

13.0 kW 295 m HAAT, 478 m COR

Prot.= 60 dBu, Intef.= 100 dBu



04-03-2018

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WVBA

WFCR BLED19970605KB

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 329 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Protected

60 dBu

Channel = 203B

Max ERP = 13 kW

RCAMSL = 478 m

N. Lat. 42 21 49.0

W. Lng. 72 25 24.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
104.0	005.2591	0156.9	033.8	022.9	013.0000	0217.0	047.2	62.18	
105.0	005.2934	0163.5	034.5	023.9	013.0000	0221.0	046.7	62.55	
106.0	005.3393	0170.5	035.3	025.0	013.0000	0225.2	046.2	62.94	
107.0	005.3739	0178.6	036.2	026.2	013.0000	0226.1	045.7	63.18	
108.0	005.4086	0186.4	036.9	027.2	013.0000	0224.1	045.2	63.31	
109.0	005.4550	0194.1	037.6	028.2	013.0000	0223.0	044.7	63.49	
110.0	005.4900	0200.5	038.1	029.0	013.0000	0223.8	044.1	63.77	
111.0	005.5602	0203.4	038.5	029.6	013.0000	0224.6	043.5	64.07	
112.0	005.6309	0202.8	038.5	029.8	013.0000	0225.0	042.8	64.37	
113.0	005.7020	0198.8	038.3	029.6	013.0000	0224.7	042.1	64.66	
114.0	005.7736	0193.8	038.0	029.3	013.0000	0224.2	041.5	64.95	
115.0	005.8336	0189.3	037.7	029.0	013.0000	0223.8	040.8	65.24	
116.0	005.9060	0185.2	037.5	028.7	013.0000	0223.4	040.1	65.53	
117.0	005.9788	0180.9	037.3	028.4	013.0000	0223.1	039.4	65.82	
118.0	006.0521	0177.8	037.1	028.1	013.0000	0223.0	038.8	66.13	
119.0	006.1258	0176.8	037.1	028.1	013.0000	0223.0	038.1	66.43	
120.0	006.2000	0179.2	037.4	028.6	013.0000	0223.3	037.5	66.76	
121.0	006.2000	0184.2	037.8	029.2	013.0000	0224.1	036.8	67.11	
122.0	006.2000	0191.2	038.4	030.1	013.0000	0225.3	036.1	67.49	
123.0	006.2000	0199.1	039.0	031.0	013.0000	0226.2	035.4	67.87	
124.0	006.2000	0206.9	039.6	032.0	013.0000	0226.7	034.7	68.24	
125.0	006.2000	0213.9	040.2	032.8	013.0000	0227.8	034.0	68.64	
126.0	006.2000	0219.4	040.5	033.4	013.0000	0229.4	033.3	69.06	
127.0	006.2000	0223.2	040.8	033.8	013.0000	0230.9	032.6	69.49	
128.0	006.2000	0225.3	041.0	034.0	013.0000	0231.8	031.9	69.89	
129.0	006.2000	0226.0	041.0	034.0	013.0000	0231.7	031.1	70.27	
130.0	006.2000	0226.1	041.0	033.9	013.0000	0231.1	030.4	70.64	
131.0	006.2000	0225.6	041.0	033.6	013.0000	0230.1	029.7	71.01	
132.0	006.2000	0224.3	040.9	033.3	013.0000	0228.9	029.0	71.38	
133.0	006.2000	0222.0	040.7	032.7	013.0000	0227.6	028.3	71.75	
134.0	006.2000	0218.8	040.5	032.0	013.0000	0226.7	027.7	72.14	
135.0	006.2000	0215.2	040.2	031.1	013.0000	0226.3	027.1	72.54	
136.0	006.2000	0211.8	040.0	030.2	013.0000	0225.5	026.5	72.92	
137.0	006.2000	0208.4	039.7	029.2	013.0000	0224.1	025.9	73.27	
138.0	006.2000	0204.4	039.4	028.1	013.0000	0223.0	025.3	73.62	
139.0	006.2000	0200.3	039.1	026.8	013.0000	0224.9	024.8	74.07	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
140.0	006.1752	0196.0	038.7	025.4	013.0000	0226.0	024.3	74.46
141.0	006.1258	0190.8	038.3	023.7	013.0000	0219.9	023.9	74.51
142.0	006.1258	0184.9	037.8	021.9	013.0000	0214.3	023.6	74.54
143.0	006.1382	0178.1	037.2	019.9	013.0000	0205.7	023.3	74.38
144.0	006.1505	0170.3	036.5	017.5	013.0000	0194.5	023.2	73.98
145.0	006.1876	0160.6	035.5	014.7	013.0000	0192.2	023.3	73.80
146.0	006.2000	0149.1	034.2	011.4	013.0000	0178.4	023.7	72.87
147.0	006.2000	0135.8	032.7	007.9	013.0000	0157.5	024.4	71.21
148.0	006.2000	0121.9	031.2	004.7	013.0000	0143.0	025.3	69.68
149.0	006.2000	0109.0	029.7	001.8	013.0000	0143.6	026.2	69.08
150.0	006.2000	0098.6	028.3	359.4	013.0000	0144.8	027.1	68.55
151.0	006.2000	0090.9	027.2	357.4	013.0000	0152.2	027.9	68.55
152.0	006.2000	0085.4	026.5	355.9	013.0000	0158.4	028.4	68.60
153.0	006.2000	0083.4	026.2	354.8	013.0000	0162.1	028.5	68.76
154.0	006.2000	0082.6	026.0	353.9	013.0000	0165.3	028.4	68.96
155.0	006.2000	0079.9	025.7	352.7	013.0000	0168.6	028.6	69.00
156.0	006.2000	0074.3	024.8	351.4	013.0000	0172.9	029.3	68.80
157.0	006.2000	0068.2	023.9	350.2	013.0000	0178.3	030.1	68.60
158.0	006.2000	0065.4	023.5	349.3	013.0000	0181.3	030.5	68.54
159.0	006.2000	0068.0	023.9	348.6	013.0000	0182.2	030.0	68.86
160.0	006.2000	0075.6	025.0	348.2	013.0000	0183.1	028.8	69.62
161.0	006.2000	0086.1	026.6	347.6	013.0000	0184.3	027.2	70.71
162.0	006.2000	0096.1	028.0	346.9	013.0000	0186.8	025.7	71.81
163.0	006.2000	0102.9	028.9	345.9	013.0000	0193.7	024.8	72.79
164.0	006.2000	0106.3	029.3	344.8	013.0000	0201.8	024.3	73.47
165.0	006.2000	0108.8	029.6	343.6	013.0000	0209.1	024.0	74.00
166.0	006.2000	0111.6	030.0	342.3	013.0000	0213.9	023.7	74.44
167.0	006.2000	0113.5	030.2	340.9	013.0000	0215.4	023.5	74.63
168.0	006.2000	0111.6	030.0	339.8	013.0000	0217.6	023.8	74.50
169.0	006.2000	0105.7	029.3	338.8	013.0000	0222.6	024.6	74.10
170.0	006.2000	0099.8	028.5	338.0	013.0000	0229.0	025.5	73.72
171.0	006.2000	0093.2	027.6	337.4	013.0000	0234.6	026.5	73.24
172.0	006.2000	0085.3	026.4	337.1	013.0000	0238.3	027.7	72.56
173.0	006.2000	0075.9	025.0	337.0	013.0000	0239.4	029.1	71.68
174.0	006.2000	0069.0	024.0	336.7	013.0000	0241.4	030.3	71.09
175.0	006.2000	0065.3	023.4	336.3	013.0000	0245.5	030.9	70.85
176.0	006.2000	0063.5	023.2	335.8	013.0000	0250.8	031.3	70.81
177.0	006.2000	0062.7	023.0	335.2	013.0000	0256.4	031.6	70.86
178.0	006.2000	0061.2	022.8	334.7	013.0000	0261.0	032.0	70.81
179.0	006.2000	0058.6	022.4	334.4	013.0000	0264.0	032.5	70.64
180.0	006.2000	0055.9	021.9	334.1	013.0000	0266.3	033.1	70.42
181.0	006.2000	0059.7	022.6	333.0	013.0000	0276.2	032.7	70.93
182.0	006.2000	0063.5	023.2	331.9	013.0000	0286.0	032.4	71.39
183.0	006.2000	0067.9	023.8	330.6	013.0000	0294.7	032.0	71.84
184.0	006.2000	0076.6	025.2	328.6	013.0000	0297.4	031.2	72.36
185.0	006.2000	0083.8	026.2	326.8	013.0000	0294.0	030.6	72.58
186.0	006.2000	0088.0	026.8	325.4	013.0000	0295.5	030.4	72.72
187.0	006.2000	0087.7	026.8	324.8	013.0000	0297.4	030.7	72.58
188.0	006.2000	0082.4	026.0	325.1	013.0000	0296.2	031.6	72.08
189.0	006.2000	0072.1	024.5	326.4	013.0000	0294.0	033.0	71.30
190.0	006.2000	0061.0	022.8	327.8	013.0000	0295.7	034.6	70.60

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
191.0	006.2000	0050.2	020.8		329.5	013.0000	0298.0	036.3	69.83
192.0	006.2000	0039.8	018.4		331.6	013.0000	0288.5	038.4	68.59
193.0	006.2000	0032.2	016.5		333.0	013.0000	0275.7	040.0	67.44
194.0	006.2000	0027.8	015.9		333.2	013.0000	0273.8	040.6	67.10
195.0	006.2000	0026.4	015.9		333.0	013.0000	0276.4	040.8	67.10
196.0	006.2000	0027.3	015.9		332.7	013.0000	0279.0	041.0	67.10
197.0	006.2000	0029.7	015.9		332.4	013.0000	0281.4	041.2	67.09
198.0	006.2000	0031.4	016.3		331.8	013.0000	0286.8	041.1	67.28
199.0	006.2000	0033.3	016.8		331.0	013.0000	0292.6	041.0	67.52
200.0	006.2000	0038.0	017.9		329.4	013.0000	0298.1	040.5	67.92
201.0	006.1629	0044.2	019.4		327.5	013.0000	0294.9	039.8	68.12
202.0	006.1258	0049.8	020.6		325.7	013.0000	0294.5	039.4	68.29
203.0	006.0889	0054.6	021.6		324.3	013.0000	0299.3	039.2	68.52
204.0	006.0521	0056.5	021.9		323.6	013.0000	0302.2	039.4	68.54
205.0	006.0154	0053.2	021.2		324.2	013.0000	0299.8	040.0	68.17
206.0	005.9788	0047.9	020.1		325.3	013.0000	0295.6	040.9	67.65
207.0	005.9423	0045.6	019.6		325.8	013.0000	0294.5	041.5	67.37
208.0	005.9060	0046.9	019.8		325.2	013.0000	0295.8	041.7	67.33
209.0	005.8697	0049.1	020.3		324.4	013.0000	0298.7	041.8	67.37
210.0	005.8336	0052.6	021.0		323.4	013.0000	0303.0	041.8	67.48
211.0	005.8697	0055.9	021.6		322.3	013.0000	0307.1	041.9	67.56
212.0	005.9060	0055.3	021.6		322.3	013.0000	0307.4	042.3	67.41
213.0	005.9423	0050.1	020.6		323.4	013.0000	0303.2	043.0	66.98
214.0	005.9788	0043.0	019.0		325.2	013.0000	0296.1	043.8	66.39
215.0	006.0154	0034.4	016.9		327.5	013.0000	0295.0	044.9	65.91
216.0	006.0521	0025.3	015.8		328.6	013.0000	0297.5	045.6	65.70
217.0	006.0889	0015.6	015.8		328.5	013.0000	0297.2	045.8	65.59
218.0	006.1258	0007.8	015.8		328.3	013.0000	0296.9	046.1	65.48
219.0	006.1629	0003.2	015.9		328.2	013.0000	0296.6	046.3	65.36
220.0	006.2000	0001.1	015.9		328.1	013.0000	0296.2	046.6	65.25
221.0	006.2000	0000.9	015.9		327.9	013.0000	0296.0	046.9	65.13
222.0	006.2000	-0000.5	015.9		327.9	013.0000	0295.8	047.1	65.02
223.0	006.2000	-0003.7	015.9		327.8	013.0000	0295.6	047.4	64.91

04-03-2018

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WFCR BLED19970605KB

WVBA

Channel = 203B

Max ERP = 13 kW

RCAMSL = 478 m

N. Lat. 42 21 49.0

W. Lng. 72 25 24.0

Protected

60 dBu

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 329 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
284.0	013.0000	0411.0	059.4	229.1	006.2000	-0025.3	057.1	42.33	
285.0	013.0000	0410.9	059.4	229.7	006.2000	-0027.5	056.3	42.51	
286.0	013.0000	0410.6	059.4	230.3	006.2000	-0029.8	055.4	42.70	
287.0	013.0000	0410.2	059.4	230.8	006.2000	-0032.2	054.5	42.89	
288.0	013.0000	0409.5	059.3	231.4	006.2000	-0034.8	053.6	43.08	
289.0	013.0000	0408.8	059.3	232.0	006.2000	-0037.6	052.8	43.27	
290.0	013.0000	0408.2	059.2	232.6	006.2000	-0040.9	051.9	43.46	
291.0	013.0000	0407.7	059.2	233.2	006.2000	-0044.5	051.0	43.65	
292.0	013.0000	0407.2	059.2	233.8	006.2000	-0048.7	050.1	43.85	
293.0	013.0000	0406.7	059.2	234.4	006.2000	-0053.1	049.2	44.04	
294.0	013.0000	0406.3	059.1	235.0	006.2000	-0057.3	048.3	44.23	
295.0	013.0000	0406.0	059.1	235.6	006.2000	-0061.5	047.4	44.43	
296.0	013.0000	0405.6	059.1	236.2	006.2000	-0065.3	046.5	44.64	
297.0	013.0000	0405.1	059.1	236.8	006.2000	-0068.5	045.6	44.86	
298.0	013.0000	0404.4	059.0	237.4	006.2000	-0070.8	044.7	45.10	
299.0	013.0000	0403.6	059.0	238.0	006.2000	-0072.0	043.8	45.34	
300.0	013.0000	0402.5	058.9	238.6	006.2000	-0072.6	042.8	45.60	
301.0	013.0000	0401.1	058.8	239.2	006.2000	-0072.6	041.9	45.88	
302.0	013.0000	0399.4	058.7	239.7	006.2000	-0072.7	040.9	46.16	
303.0	013.0000	0397.5	058.6	240.3	006.2000	-0072.8	040.0	46.46	
304.0	013.0000	0395.6	058.5	240.8	006.2000	-0073.0	039.0	46.77	
305.0	013.0000	0393.4	058.4	241.3	006.2000	-0073.2	038.1	47.09	
306.0	013.0000	0390.8	058.3	241.8	006.2000	-0073.6	037.1	47.42	
307.0	013.0000	0387.4	058.1	242.2	006.2000	-0073.9	036.1	47.77	
308.0	013.0000	0383.1	057.8	242.5	006.2000	-0074.1	035.1	48.14	
309.0	013.0000	0377.7	057.5	242.8	006.2000	-0074.3	034.0	48.52	
310.0	013.0000	0371.0	057.1	242.8	006.2000	-0074.4	032.9	48.93	
311.0	013.0000	0363.2	056.6	242.7	006.2000	-0074.3	031.8	49.35	
312.0	013.0000	0354.5	056.1	242.4	006.2000	-0074.1	030.7	49.83	
313.0	013.0000	0345.4	055.5	242.0	006.2000	-0073.8	029.6	50.36	
314.0	013.0000	0337.4	055.0	241.6	006.2000	-0073.5	028.5	50.93	
315.0	013.0000	0330.3	054.5	241.3	006.2000	-0073.2	027.5	51.53	
316.0	013.0000	0324.0	054.1	241.0	006.2000	-0073.0	026.5	52.15	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
317.0	013.0000	0318.1	053.7	240.7	006.2000	-0072.9	025.4	52.79
318.0	013.0000	0314.5	053.5	240.7	006.2000	-0072.9	024.5	53.44
319.0	013.0000	0313.3	053.4	241.0	006.2000	-0073.0	023.6	54.09
320.0	013.0000	0312.7	053.4	241.3	006.2000	-0073.2	022.6	54.75
321.0	013.0000	0311.1	053.2	241.5	006.2000	-0073.3	021.7	55.45
322.0	013.0000	0308.3	053.1	241.5	006.2000	-0073.3	020.8	56.18
323.0	013.0000	0304.6	052.8	241.2	006.2000	-0073.1	019.8	56.93
324.0	013.0000	0300.5	052.5	240.8	006.2000	-0073.0	018.9	57.69
325.0	013.0000	0296.5	052.3	240.2	006.2000	-0072.8	017.9	58.47
326.0	013.0000	0294.2	052.1	240.0	006.2000	-0072.7	017.0	59.23
327.0	013.0000	0294.2	052.1	240.2	006.2000	-0072.7	016.1	60.00
328.0	013.0000	0296.1	052.3	240.8	006.2000	-0073.0	015.2	60.78
329.0	013.0000	0298.0	052.4	241.5	006.2000	-0073.3	014.3	61.77
330.0	013.0000	0297.1	052.3	241.4	006.2000	-0073.2	013.4	62.95
331.0	013.0000	0292.5	052.0	240.0	006.2000	-0072.7	012.5	64.24
332.0	013.0000	0284.8	051.5	237.3	006.2000	-0070.4	011.6	65.57
333.0	013.0000	0276.0	050.9	233.6	006.2000	-0047.5	010.8	66.89
334.0	013.0000	0267.1	050.2	229.2	006.2000	-0025.7	010.0	68.14
335.0	013.0000	0258.2	049.6	224.1	006.2000	-0008.7	009.4	69.28
336.0	013.0000	0248.7	048.9	218.0	006.1256	0007.8	008.9	70.15
337.0	013.0000	0239.0	048.2	211.1	005.8751	0056.2	008.5	76.10
338.0	013.0000	0229.5	047.5	203.9	006.0570	0056.5	008.3	76.65
339.0	013.0000	0221.4	046.9	196.9	006.2000	0029.2	008.2	71.44
340.0	013.0000	0216.9	046.6	190.8	006.2000	0052.8	008.1	76.68
341.0	013.0000	0215.3	046.5	185.1	006.2000	0084.7	007.8	81.23
342.0	013.0000	0214.5	046.4	179.3	006.2000	0057.7	007.6	78.48
343.0	013.0000	0211.6	046.2	173.0	006.2000	0076.1	007.6	80.71
344.0	013.0000	0206.8	045.8	166.8	006.2000	0113.5	007.9	83.74
345.0	013.0000	0200.3	045.3	161.2	006.2000	0087.7	008.4	80.38
346.0	013.0000	0193.2	044.8	156.4	006.2000	0071.5	009.0	77.41
347.0	013.0000	0186.4	044.2	152.5	006.2000	0084.2	009.7	77.52
348.0	013.0000	0183.4	044.0	148.6	006.2000	0113.7	010.2	79.29
349.0	013.0000	0181.8	043.8	145.0	006.1859	0161.1	010.6	81.74
350.0	013.0000	0179.1	043.6	141.8	006.1258	0185.8	011.1	82.11
351.0	013.0000	0174.8	043.2	139.6	006.1861	0197.9	011.8	81.53
352.0	013.0000	0171.0	042.8	137.6	006.2000	0206.3	012.6	80.81
353.0	013.0000	0167.9	042.5	135.7	006.2000	0212.8	013.3	80.09
354.0	013.0000	0164.8	042.2	134.2	006.2000	0218.3	014.0	79.36
355.0	013.0000	0161.4	041.8	132.9	006.2000	0222.1	014.7	78.57
356.0	013.0000	0158.0	041.4	132.0	006.2000	0224.3	015.5	78.21
357.0	013.0000	0154.0	040.9	131.3	006.2000	0225.3	016.4	77.53
358.0	013.0000	0149.8	040.4	130.9	006.2000	0225.7	017.2	76.82
359.0	013.0000	0145.7	039.9	130.6	006.2000	0225.9	018.1	76.11
000.0	013.0000	0144.5	039.7	129.5	006.2000	0226.2	018.7	75.61
001.0	013.0000	0144.0	039.7	128.4	006.2000	0225.7	019.3	75.12
002.0	013.0000	0143.5	039.6	127.3	006.2000	0224.0	019.9	74.57
003.0	013.0000	0142.8	039.5	126.4	006.2000	0221.2	020.5	73.96
004.0	013.0000	0142.7	039.5	125.4	006.2000	0216.3	021.1	73.30
005.0	013.0000	0143.9	039.7	124.1	006.2000	0208.0	021.6	72.55
006.0	013.0000	0147.0	040.1	122.4	006.2000	0194.3	022.1	71.62
007.0	013.0000	0151.7	040.6	120.3	006.2000	0180.4	022.4	70.70

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
008.0	013.0000	0158.3	041.4		117.8	006.0341	0178.4	022.8	70.21
009.0	013.0000	0166.3	042.3		115.0	005.8362	0189.1	023.2	70.24
010.0	013.0000	0172.7	043.0		113.0	005.7016	0198.8	023.8	70.15
011.0	013.0000	0177.2	043.4		111.6	005.6048	0203.5	024.4	69.80
012.0	013.0000	0180.0	043.7		110.8	005.5434	0203.1	025.1	69.23
013.0	013.0000	0184.0	044.0		109.8	005.4823	0199.3	025.9	68.52
014.0	013.0000	0189.6	044.5		108.6	005.4384	0191.3	026.6	67.64
015.0	013.0000	0193.1	044.7		107.9	005.4063	0185.9	027.3	66.87
016.0	013.0000	0194.4	044.8		107.7	005.3969	0183.8	028.1	66.26
017.0	013.0000	0194.1	044.8		107.7	005.3972	0183.8	028.9	65.77
018.0	013.0000	0195.7	044.9		107.4	005.3885	0181.9	029.7	65.20
019.0	013.0000	0200.3	045.3		106.8	005.3656	0176.7	030.5	64.46
020.0	013.0000	0206.4	045.8		106.0	005.3379	0170.3	031.3	63.65
021.0	013.0000	0211.4	046.2		105.4	005.3113	0166.2	032.1	62.96
022.0	013.0000	0214.6	046.4		105.1	005.2988	0164.3	033.0	62.42
023.0	013.0000	0217.4	046.6		104.9	005.2912	0163.0	033.8	61.91
024.0	013.0000	0221.3	046.9		104.7	005.2814	0161.0	034.6	61.36
025.0	013.0000	0225.2	047.2		104.4	005.2730	0159.4	035.5	60.83
026.0	013.0000	0226.3	047.3		104.5	005.2772	0160.2	036.3	60.46
027.0	013.0000	0224.5	047.2		105.0	005.2931	0163.4	037.1	60.25
028.0	013.0000	0223.1	047.0		105.4	005.3124	0166.4	037.9	60.04
029.0	013.0000	0223.8	047.1		105.6	005.3214	0167.7	038.7	59.72
030.0	013.0000	0225.2	047.2		105.7	005.3274	0168.6	039.5	59.38
031.0	013.0000	0226.2	047.3		105.9	005.3366	0170.1	040.3	59.07
032.0	013.0000	0226.8	047.3		106.2	005.3458	0172.0	041.1	58.80
033.0	013.0000	0228.1	047.4		106.4	005.3520	0173.5	042.0	58.50
034.0	013.0000	0231.7	047.7		106.4	005.3515	0173.3	042.8	58.10
035.0	013.0000	0237.0	048.1		106.2	005.3466	0172.2	043.8	57.64
036.0	013.0000	0241.8	048.4		106.1	005.3442	0171.7	044.7	57.22
037.0	013.0000	0245.1	048.7		106.2	005.3475	0172.4	045.5	56.89
038.0	013.0000	0246.5	048.8		106.5	005.3565	0174.5	046.4	56.65
039.0	013.0000	0246.3	048.7		106.9	005.3705	0177.8	047.2	56.51
040.0	013.0000	0245.3	048.7		107.4	005.3866	0181.5	047.9	56.39
041.0	013.0000	0244.8	048.6		107.8	005.4016	0184.8	048.7	56.26
042.0	013.0000	0245.2	048.7		108.2	005.4161	0187.6	049.5	56.09
043.0	013.0000	0246.5	048.8		108.5	005.4301	0189.9	050.3	55.89