

Doug Vernier Telecommunications Consultants
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Full Contour-to-contour Allocations Study
Vermont Public Radio

REFERENCE CH# 216A - 91.1 MHz, Pwr= 0.117 kW, HAAT= 138.8 M, COR= 655 M DISPLAY DATES
43 14 12.1 N. Average Protected F(50-50)= 12.52 km DATA 06-12-11
73 01 43.7 W. Omni-directional SEARCH 06-13-11

CH CITY	CALL	TYPE STATE	ANT AZI <--	DI ST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
216A WVNK Manchester 5/29/2008:	CP DCX VT	0.0 0.0	0.0 0.0	BNPED20071018BCC	43 14 12.1 73 01 43.7	0.195 97	26.0 655	7.8 Vermont Public Radio	-32.8* -30.7*	
Accepted on channel 216A by Industry Canada in 5/8/2008 letter, not specially negotiated.										
06 1C WRGB Schenectady	CP _HN NY	230.0 49.3	105.1 BPCDT20090622ABV	42 37 31.0 74 00 38.0	30.200 392	4.9 649	109.7 Freedom Broadcasting Of Ne	114.6R	-9.5M	
216A WJJW North Adams	LIC _CX MA	185.8 5.8	61.0 BMLED20080616AAI	42 41 27.0 73 06 16.0	0.423 -253	27.3 259	8.1 Massachusetts College Of	13.1	0.1	
216A WSPN Saratoga Springs Horizontally Polarized only	LIC _HN NY	256.2 75.7	63.5 BLED19801201AP	43 05 55.0 73 47 10.0	0.250 30	42.7 179	12.0 Ski dmore College	6.1	7.1	
216A WRMC-FM Middlebury	LIC _C_ VT	352.1 172.0	86.4 BLED20021213ABD	44 00 25.0 73 10 40.0	2.900 -9	59.2 161	15.3 The President And Fellows	10.8	40.2	
216D W216CB Ascutney	LIC DC_ VT	64.2 244.6	51.8 BLFT20070601BJZ	43 26 15.0 72 27 08.0	0.010 613	20.5 902	3.7 Christian Ministries, Inc.	20.1	11.6	
216D W216CG Pottersville	LIC _C_ NY	311.5 131.0	84.0 BLFT20090701ABW	43 44 03.0 73 48 40.0	0.250 -27	23.8 329	7.1 Bible Broadcasting Network	40.2	12.4	
217A WIUV Castleton Horizontally Polarized only	LIC _HN VT	343.4 163.3	43.1 BLED19840416BX	43 36 29.0 73 10 54.0	0.230 -72	9.9 155	6.9 Board Of Trustees/vermont	18.9	23.3	
214B1 WEVN Keene	LIC DC_ NH	112.6 293.1	58.3 BMLED20030815ADI	43 02 00.0 72 22 04.0	1.500 286	2.4 551	36.3 New Hampshire Public Radio	43.6	21.2	
219A WGLV Woodstock	LIC DC_ VT	19.0 199.2	47.4 BLED20000628AEL	43 38 22.0 72 50 12.0	0.100 694	0.7 1224	24.9 Christian Ministries, Inc.	26.7	21.7	
216A WHVP Hudson	LIC DVN NY	200.3 20.0	110.0 BLED19980514KB	42 18 28.0 73 29 35.0	0.220 318	49.2 623	14.9 Sound Of Life, Inc.	39.1	26.6	
213A WFTF Rutland	LIC _CN VT	4.8 184.8	42.6 BLED19870122KA	43 37 09.0 72 59 04.0	0.720 -171	1.6 206	9.4 Christian Radio Fellowship	27.9	32.6	
218A NEW Bellows Falls 9/15/2008:	CP DCX VT	102.7 283.1	49.7 BNPED20071017AAI	43 08 14.0 72 25 59.0	0.550 118	1.6 361	15.0 Great Falls Community Broa	37.5	33.7	
Accepted on channel 218A by Industry Canada in 8/25/2008 letter. Note: not specially negotiated.										

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.
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.

HOW TO READ THE FM COMPUTER PRINT-OUT

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. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. 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 sum of the reference station's 60 dBu protected contour and the data file station's interference contour subtracted from the distance between the stations. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, the column is a measure of incoming interference. Negative distances in this column indicate the presence of contour overlap. The column labeled **"*OUT*"** shows the smallest distance in kilometers of overlap or clearance of the reference station's interference contour along the arc of database station's protected contour. Negative distance figures in this column indicate outgoing contour overlap.

Listed antenna heights and power are the FCC specific antenna heights and the ERPs. Under the **"AZIMUTH"** 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, 73.215 short-spaced stations and commercial stations where the minimum spacings are met, the **"IN"** and **"OUT"** columns 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** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended or from 73.215. 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 will be flagged by the characters **"<<"** appended to the end of the call letters. The **"^"** character appended to the call letters means the station has been **"max-classed"** according to the provisions of section 73.215 of the Rules.

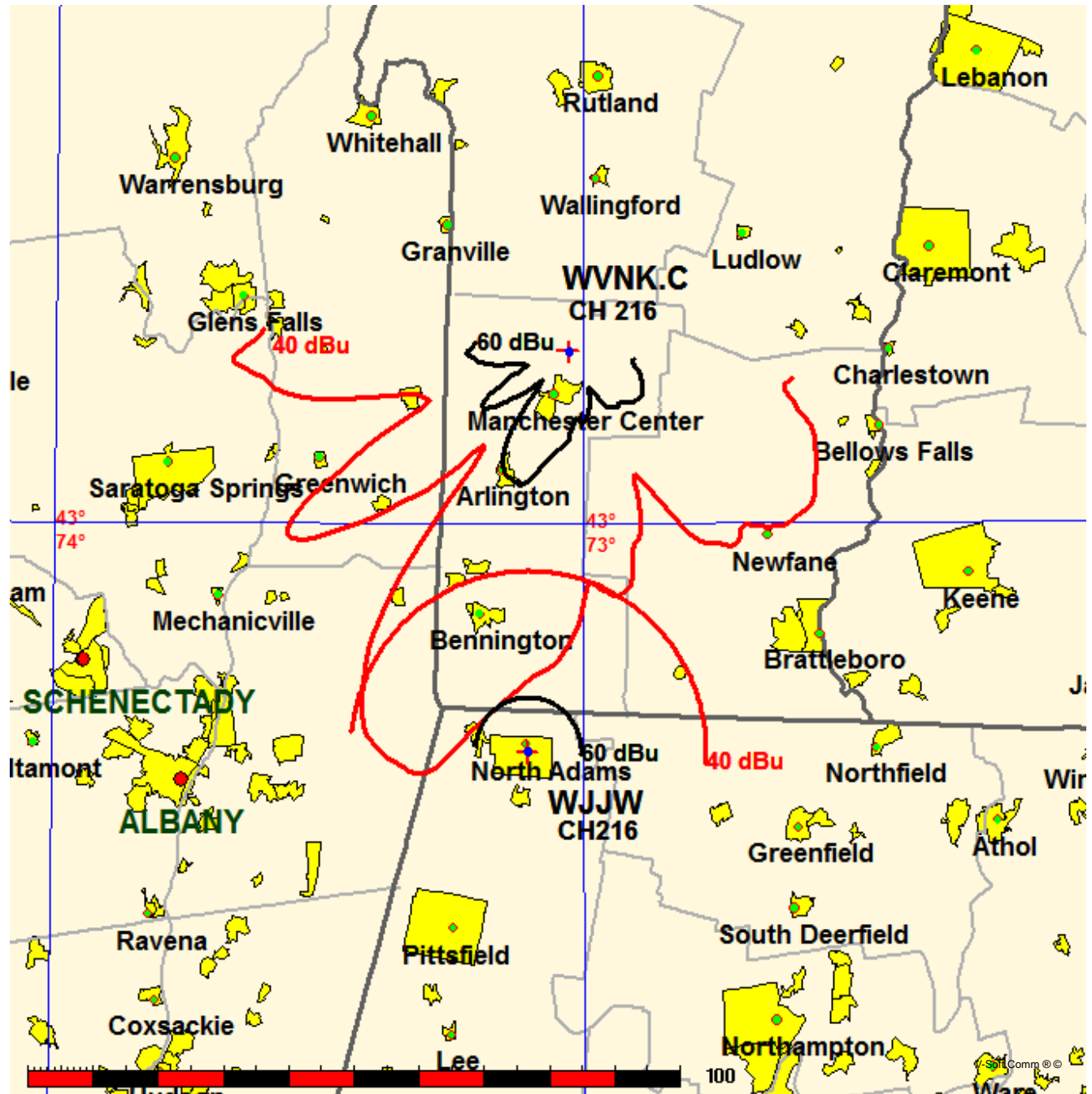
The first three letters of the **"TYPE"** column identify the current FCC status of the stations. The fourth letter will be a **"D"** if the facility is directional. **"Z"** indicates a 73.215 directional. An **"N"** indicates it is a 73.215 station that operates with an omni-directional antenna. The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

Single Channel Allocations Map - WVNK
Vermont Public Radio

FMCommander Single Allocation Study - 06-13-2011 - FCC NGDC 30 Sec
WVNK.C's Overlaps (In= 13.1 km, Out= 0.09 km)

WVNK.C CH 216 A
Lat= 43 14 12.1, Lng= 73 01 43.7
0.117 kW 138.8 M HAAT, 655 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WJJW CH 216 A BMLED20080616AAI
Lat= 42 41 27.0, Lng= 73 06 16.0
0.423 kW -253 M HAAT, 259 M COR
Prot.= 60 dBu, Intef.= 40 dBu



06-13-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WV NK.C

WJJW BMLED20080616AAI

Channel = 216A

Max ERP = 0.117 kW

RCAMSL = 655 M

N. Lat. 43 14 12.1

W. Lng. 73 01 43.7

Protected

60 dBu

Channel = 216A

Max ERP = 0.423 kW

RCAMSL = 259 M

N. Lat. 42 41 27.0

W. Lng. 73 06 16.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
126.0	000.1170	0145.2	012.8	017.2	000.4230	-0271.8	055.6	30.98	
127.0	000.1170	0143.8	012.8	017.0	000.4230	-0273.8	055.5	31.02	
128.0	000.1170	0141.5	012.7	016.9	000.4230	-0276.2	055.3	31.06	
129.0	000.1170	0137.7	012.5	016.6	000.4230	-0279.7	055.2	31.09	
130.0	000.1170	0132.3	012.2	016.3	000.4230	-0283.9	055.1	31.11	
131.0	000.1170	0126.2	011.9	015.9	000.4230	-0288.2	055.0	31.13	
132.0	000.1170	0118.9	011.6	015.5	000.4230	-0292.3	054.9	31.14	
133.0	000.1170	0112.5	011.3	015.2	000.4230	-0295.4	054.9	31.15	
134.0	000.1170	0108.2	011.1	014.9	000.4230	-0297.2	054.8	31.16	
135.0	000.1170	0106.9	011.1	014.7	000.4230	-0298.0	054.7	31.19	
136.0	000.1170	0108.6	011.1	014.7	000.4230	-0298.1	054.5	31.24	
137.0	000.1170	0111.6	011.3	014.7	000.4230	-0298.0	054.2	31.29	
138.0	000.1170	0114.4	011.4	014.7	000.4230	-0298.0	054.0	31.34	
139.0	000.1170	0114.9	011.4	014.6	000.4230	-0298.4	053.8	31.38	
140.0	000.1170	0112.5	011.3	014.4	000.4230	-0299.2	053.7	31.40	
141.0	000.1170	0108.0	011.1	014.1	000.4230	-0300.2	053.7	31.41	
142.0	000.1170	0103.7	010.9	013.8	000.4230	-0301.0	053.7	31.41	
143.0	000.1170	0100.4	010.7	013.5	000.4230	-0301.7	053.6	31.42	
144.0	000.1170	0097.5	010.6	013.3	000.4230	-0302.1	053.6	31.43	
145.0	000.1170	0093.9	010.4	013.0	000.4230	-0302.5	053.6	31.43	
146.0	000.1170	0087.1	010.0	012.6	000.4230	-0302.8	053.7	31.41	
147.0	000.1170	0075.2	009.3	011.9	000.4230	-0303.9	054.0	31.33	
148.0	000.1170	0061.8	008.5	011.2	000.4230	-0306.5	054.5	31.22	
149.0	000.1170	0050.3	007.6	010.5	000.4230	-0311.3	055.1	31.10	
150.0	000.1170	0041.6	006.8	009.9	000.4230	-0316.9	055.6	31.00	
151.0	000.1170	0036.7	006.4	009.5	000.4230	-0321.3	055.8	30.94	
152.0	000.1170	0036.6	006.4	009.4	000.4230	-0322.6	055.8	30.96	
153.0	000.1170	0039.8	006.7	009.5	000.4230	-0321.7	055.5	31.02	
154.0	000.1170	0044.8	007.1	009.6	000.4230	-0319.6	055.1	31.10	
155.0	000.1170	0051.4	007.7	009.9	000.4230	-0316.9	054.5	31.22	
156.0	000.1170	0058.3	008.2	010.1	000.4230	-0314.6	054.0	31.33	
157.0	000.1170	0064.3	008.6	010.2	000.4230	-0313.5	053.6	31.43	
158.0	000.1170	0069.4	009.0	010.2	000.4230	-0313.0	053.2	31.50	
159.0	000.1170	0072.7	009.2	010.2	000.4230	-0313.2	053.0	31.56	
160.0	000.1170	0074.2	009.3	010.1	000.4230	-0314.2	052.8	31.60	
161.0	000.1170	0076.1	009.4	010.0	000.4230	-0315.1	052.6	31.64	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
162.0	000.1170	0080.4	009.6	010.0	000.4230	-0315.3	052.3	31.70
163.0	000.1170	0087.6	010.1	010.1	000.4230	-0314.9	051.9	31.80
164.0	000.1170	0095.6	010.5	010.1	000.4230	-0314.5	051.4	31.90
165.0	000.1170	0101.4	010.8	010.1	000.4230	-0314.9	051.1	31.98
166.0	000.1170	0104.8	011.0	009.9	000.4230	-0316.2	050.8	32.03
167.0	000.1170	0107.0	011.1	009.8	000.4230	-0317.9	050.6	32.06
168.0	000.1170	0108.3	011.1	009.6	000.4230	-0320.0	050.5	32.09
169.0	000.1170	0107.5	011.1	009.4	000.4230	-0322.9	050.5	32.10
170.0	000.1170	0105.2	011.0	009.1	000.4230	-0326.1	050.5	32.09
171.0	000.1170	0101.8	010.8	008.9	000.4230	-0328.9	050.6	32.07
172.0	000.1170	0100.1	010.7	008.7	000.4230	-0330.9	050.6	32.06
173.0	000.1170	0098.2	010.6	008.4	000.4230	-0332.6	050.7	32.06
174.0	000.1170	0094.6	010.4	008.2	000.4230	-0334.4	050.8	32.03
175.0	000.1170	0095.0	010.5	008.0	000.4230	-0335.8	050.8	32.04
176.0	000.1170	0104.1	010.9	007.9	000.4230	-0336.5	050.3	32.15
177.0	000.1170	0118.9	011.6	007.8	000.4230	-0336.9	049.5	32.30
178.0	000.1170	0133.1	012.3	007.7	000.4230	-0337.6	048.9	32.45
179.0	000.1170	0144.8	012.8	007.6	000.4230	-0338.7	048.3	32.57
180.0	000.1170	0156.9	013.4	007.4	000.4230	-0339.8	047.7	32.71
181.0	000.1170	0169.1	013.9	007.2	000.4230	-0341.0	047.1	32.84
182.0	000.1170	0180.1	014.4	006.9	000.4230	-0341.8	046.6	32.95
183.0	000.1170	0186.2	014.6	006.7	000.4230	-0342.1	046.4	33.01
184.0	000.1170	0191.0	014.8	006.4	000.4230	-0342.2	046.2	33.05
185.0	000.1170	0195.8	015.0	006.0	000.4230	-0342.8	046.0	33.10
186.0	000.1170	0201.0	015.2	005.7	000.4230	-0343.8	045.8	33.15
187.0	000.1170	0207.9	015.4	005.4	000.4230	-0345.2	045.6	33.21
188.0	000.1170	0215.6	015.7	005.0	000.4230	-0347.0	045.3	33.28
189.0	000.1170	0224.2	016.1	004.6	000.4230	-0349.3	045.0	33.36
190.0	000.1170	0235.1	016.5	004.2	000.4230	-0352.3	044.6	33.47
191.0	000.1170	0248.0	017.0	003.8	000.4230	-0355.9	044.1	33.59
192.0	000.1170	0262.2	017.5	003.3	000.4230	-0360.3	043.7	33.71
193.0	000.1170	0277.9	018.0	002.8	000.4230	-0365.3	043.2	33.85
194.0	000.1170	0295.8	018.6	002.2	000.4230	-0370.5	042.7	34.00
195.0	000.1170	0317.0	019.3	001.6	000.4230	-0374.8	042.1	34.16
196.0	000.1170	0339.7	019.9	000.9	000.4230	-0376.8	041.5	34.32
197.0	000.1170	0362.9	020.5	000.2	000.4230	-0378.2	041.0	34.47
198.0	000.1170	0383.7	021.1	359.5	000.4230	-0379.7	040.6	34.60
199.0	000.1170	0398.9	021.5	358.9	000.4230	-0381.0	040.4	34.67
200.0	000.1170	0405.8	021.6	358.3	000.4230	-0383.9	040.4	34.68
201.0	000.1170	0406.7	021.7	357.8	000.4230	-0387.0	040.5	34.64
202.0	000.1170	0403.9	021.6	357.3	000.4230	-0389.9	040.7	34.58
203.0	000.1170	0400.5	021.5	356.9	000.4230	-0392.5	040.9	34.50
204.0	000.1170	0397.4	021.4	356.5	000.4230	-0394.5	041.2	34.43
205.0	000.1170	0393.9	021.3	356.1	000.4230	-0396.7	041.4	34.35
206.0	000.1170	0389.6	021.2	355.7	000.4230	-0398.8	041.7	34.27
207.0	000.1170	0383.5	021.1	355.4	000.4230	-0400.4	042.0	34.18
208.0	000.1170	0375.0	020.9	355.1	000.4230	-0401.4	042.4	34.06
209.0	000.1170	0362.9	020.5	355.0	000.4230	-0402.0	042.9	33.93
210.0	000.1170	0346.9	020.1	354.9	000.4230	-0402.2	043.4	33.78
211.0	000.1170	0327.2	019.6	355.0	000.4230	-0402.1	044.1	33.60
212.0	000.1170	0304.6	018.9	355.1	000.4230	-0401.5	044.8	33.40

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
213.0	000.1170	0279.4	018.1	355.4	000.4230	-0400.2	045.7	33.19
214.0	000.1170	0251.1	017.1	355.9	000.4230	-0397.9	046.6	32.95
215.0	000.1170	0220.1	015.9	356.5	000.4230	-0394.5	047.7	32.69
216.0	000.1170	0185.2	014.6	357.2	000.4230	-0390.7	048.9	32.43
217.0	000.1170	0145.1	012.8	358.3	000.4230	-0384.0	050.5	32.10
218.0	000.1170	0102.7	010.9	359.4	000.4230	-0379.8	052.1	31.74
219.0	000.1170	0066.9	008.8	000.7	000.4230	-0377.3	053.8	31.37
220.0	000.1170	0043.2	007.0	001.7	000.4230	-0374.1	055.4	31.04
221.0	000.1170	0031.3	006.0	002.3	000.4230	-0370.1	056.2	30.86
222.0	000.1170	0028.7	005.9	002.3	000.4230	-0370.2	056.4	30.83
223.0	000.1170	0035.2	006.3	001.9	000.4230	-0373.1	056.1	30.89
224.0	000.1170	0047.6	007.3	001.1	000.4230	-0376.4	055.4	31.03
225.0	000.1170	0061.0	008.4	000.2	000.4230	-0378.2	054.7	31.18
226.0	000.1170	0072.4	009.2	359.6	000.4230	-0379.6	054.3	31.27
227.0	000.1170	0081.1	009.7	359.0	000.4230	-0380.6	054.1	31.32
228.0	000.1170	0089.5	010.2	358.5	000.4230	-0382.6	053.9	31.36
229.0	000.1170	0100.7	010.7	357.9	000.4230	-0385.8	053.7	31.41
230.0	000.1170	0116.5	011.5	357.2	000.4230	-0390.9	053.4	31.48
231.0	000.1170	0134.7	012.3	356.3	000.4230	-0395.3	053.0	31.55
232.0	000.1170	0153.3	013.2	355.4	000.4230	-0400.3	052.7	31.62
233.0	000.1170	0172.0	014.1	354.5	000.4230	-0402.9	052.5	31.67
234.0	000.1170	0189.2	014.7	353.7	000.4230	-0402.3	052.3	31.70
235.0	000.1170	0203.7	015.3	353.1	000.4230	-0400.1	052.3	31.70
236.0	000.1170	0212.8	015.6	352.6	000.4230	-0397.2	052.4	31.69
237.0	000.1170	0215.3	015.7	352.4	000.4230	-0395.9	052.6	31.64
238.0	000.1170	0211.1	015.5	352.4	000.4230	-0396.1	052.9	31.57
239.0	000.1170	0199.8	015.1	352.7	000.4230	-0398.0	053.3	31.48
240.0	000.1170	0180.8	014.4	353.3	000.4230	-0401.1	053.8	31.37
241.0	000.1170	0156.1	013.4	354.2	000.4230	-0402.9	054.5	31.23
242.0	000.1170	0131.6	012.2	355.3	000.4230	-0400.9	055.2	31.09
243.0	000.1170	0110.7	011.2	356.1	000.4230	-0396.8	055.7	30.97
244.0	000.1170	0096.9	010.6	356.6	000.4230	-0393.8	056.2	30.87
245.0	000.1170	0087.0	010.0	357.1	000.4230	-0391.5	056.5	30.80

06-13-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WJJW BMLD20080616AAI

WVNK.C

Channel = 216A

Max ERP = 0.423 kW

RCAMSL = 259 M

N. Lat. 42 41 27.0

W. Lng. 73 06 16.0

Protected

60 dBu

Channel = 216A

Max ERP = 0.117 kW

RCAMSL = 655 M

N. Lat. 43 14 12.1

W. Lng. 73 01 43.7

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
306.0	000.4230	-0049.0	008.1	192.9	000.1170	0275.4	057.3	39.83	
307.0	000.4230	-0054.4	008.1	192.8	000.1170	0274.5	057.2	39.85	
308.0	000.4230	-0062.4	008.1	192.7	000.1170	0273.6	057.1	39.87	
309.0	000.4230	-0073.4	008.1	192.7	000.1170	0272.6	056.9	39.89	
310.0	000.4230	-0086.7	008.1	192.6	000.1170	0271.6	056.8	39.90	
311.0	000.4230	-0101.3	008.1	192.5	000.1170	0270.5	056.7	39.91	
312.0	000.4230	-0116.0	008.1	192.5	000.1170	0269.4	056.6	39.93	
313.0	000.4230	-0130.3	008.1	192.4	000.1170	0268.3	056.5	39.94	
314.0	000.4230	-0143.5	008.1	192.3	000.1170	0267.1	056.3	39.94	
315.0	000.4230	-0155.4	008.1	192.3	000.1170	0265.9	056.2	39.95	
316.0	000.4230	-0165.8	008.1	192.2	000.1170	0264.7	056.1	39.96	
317.0	000.4230	-0175.2	008.1	192.1	000.1170	0263.5	056.0	39.96	
318.0	000.4230	-0185.6	008.1	192.0	000.1170	0262.2	055.9	39.96	
319.0	000.4230	-0198.1	008.1	191.9	000.1170	0260.9	055.7	39.96	
320.0	000.4230	-0211.0	008.1	191.8	000.1170	0259.6	055.6	39.96	
321.0	000.4230	-0221.6	008.1	191.7	000.1170	0258.3	055.5	39.96	
322.0	000.4230	-0229.5	008.1	191.6	000.1170	0257.0	055.4	39.96	
323.0	000.4230	-0236.2	008.1	191.5	000.1170	0255.6	055.3	39.95	
324.0	000.4230	-0243.7	008.1	191.4	000.1170	0254.2	055.2	39.94	
325.0	000.4230	-0251.2	008.1	191.3	000.1170	0252.8	055.1	39.94	
326.0	000.4230	-0257.9	008.1	191.2	000.1170	0251.4	055.0	39.93	
327.0	000.4230	-0262.6	008.1	191.1	000.1170	0249.9	054.9	39.92	
328.0	000.4230	-0266.4	008.1	191.0	000.1170	0248.5	054.8	39.90	
329.0	000.4230	-0270.6	008.1	190.9	000.1170	0247.0	054.7	39.89	
330.0	000.4230	-0274.1	008.1	190.8	000.1170	0245.4	054.6	39.87	
331.0	000.4230	-0276.9	008.1	190.7	000.1170	0243.9	054.5	39.85	
332.0	000.4230	-0278.6	008.1	190.6	000.1170	0242.4	054.4	39.83	
333.0	000.4230	-0279.9	008.1	190.5	000.1170	0240.8	054.3	39.81	
334.0	000.4230	-0280.7	008.1	190.3	000.1170	0239.3	054.3	39.79	
335.0	000.4230	-0281.9	008.1	190.2	000.1170	0237.8	054.2	39.77	
336.0	000.4230	-0283.9	008.1	190.1	000.1170	0236.2	054.1	39.74	
337.0	000.4230	-0286.9	008.1	190.0	000.1170	0234.7	054.0	39.71	
338.0	000.4230	-0290.9	008.1	189.8	000.1170	0233.2	053.9	39.68	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
339.0	000.4230	-0296.3	008.1	189.7	000.1170	0231.7	053.9	39.65
340.0	000.4230	-0302.4	008.1	189.6	000.1170	0230.2	053.8	39.62
341.0	000.4230	-0308.1	008.1	189.5	000.1170	0228.7	053.7	39.59
342.0	000.4230	-0314.2	008.1	189.3	000.1170	0227.3	053.7	39.56
343.0	000.4230	-0321.1	008.1	189.2	000.1170	0225.9	053.6	39.53
344.0	000.4230	-0328.6	008.1	189.0	000.1170	0224.6	053.5	39.50
345.0	000.4230	-0333.6	008.1	188.9	000.1170	0223.3	053.5	39.47
346.0	000.4230	-0337.4	008.1	188.8	000.1170	0222.1	053.4	39.44
347.0	000.4230	-0343.3	008.1	188.6	000.1170	0220.8	053.4	39.41
348.0	000.4230	-0354.1	008.1	188.5	000.1170	0219.6	053.3	39.38
349.0	000.4230	-0366.1	008.1	188.3	000.1170	0218.4	053.3	39.34
350.0	000.4230	-0378.3	008.1	188.2	000.1170	0217.2	053.2	39.31
351.0	000.4230	-0388.3	008.1	188.0	000.1170	0216.0	053.2	39.27
352.0	000.4230	-0393.9	008.1	187.9	000.1170	0214.8	053.1	39.24
353.0	000.4230	-0399.6	008.1	187.8	000.1170	0213.7	053.1	39.20
354.0	000.4230	-0402.7	008.1	187.6	000.1170	0212.5	053.1	39.17
355.0	000.4230	-0401.9	008.1	187.5	000.1170	0211.4	053.0	39.13
356.0	000.4230	-0397.2	008.1	187.3	000.1170	0210.3	053.0	39.09
357.0	000.4230	-0391.9	008.1	187.2	000.1170	0209.1	053.0	39.05
358.0	000.4230	-0385.5	008.1	187.0	000.1170	0208.0	053.0	39.01
359.0	000.4230	-0380.7	008.1	186.9	000.1170	0206.8	052.9	38.96
000.0	000.4230	-0378.7	008.1	186.7	000.1170	0205.6	052.9	38.92
001.0	000.4230	-0376.6	008.1	186.5	000.1170	0204.4	052.9	38.87
002.0	000.4230	-0372.4	008.1	186.4	000.1170	0203.3	052.9	38.82
003.0	000.4230	-0363.5	008.1	186.2	000.1170	0202.3	052.9	38.78
004.0	000.4230	-0354.1	008.1	186.1	000.1170	0201.4	052.9	38.75
005.0	000.4230	-0347.1	008.1	185.9	000.1170	0200.6	052.9	38.71
006.0	000.4230	-0342.9	008.1	185.8	000.1170	0199.9	052.9	38.68
007.0	000.4230	-0341.7	008.1	185.6	000.1170	0199.1	052.9	38.64
008.0	000.4230	-0335.6	008.1	185.5	000.1170	0198.3	052.9	38.60
009.0	000.4230	-0327.7	008.1	185.3	000.1170	0197.4	052.9	38.56
010.0	000.4230	-0315.5	008.1	185.2	000.1170	0196.6	052.9	38.52
011.0	000.4230	-0307.5	008.1	185.0	000.1170	0195.8	052.9	38.48
012.0	000.4230	-0303.7	008.1	184.9	000.1170	0195.0	052.9	38.44
013.0	000.4230	-0302.5	008.1	184.7	000.1170	0194.3	052.9	38.39
014.0	000.4230	-0300.5	008.1	184.6	000.1170	0193.5	053.0	38.35
015.0	000.4230	-0296.6	008.1	184.4	000.1170	0192.8	053.0	38.31
016.0	000.4230	-0287.4	008.1	184.3	000.1170	0192.1	053.0	38.27
017.0	000.4230	-0274.4	008.1	184.1	000.1170	0191.5	053.0	38.23
018.0	000.4230	-0260.9	008.1	184.0	000.1170	0190.8	053.1	38.18
019.0	000.4230	-0248.4	008.1	183.8	000.1170	0190.1	053.1	38.14
020.0	000.4230	-0238.2	008.1	183.7	000.1170	0189.4	053.2	38.09
021.0	000.4230	-0230.4	008.1	183.5	000.1170	0188.7	053.2	38.04
022.0	000.4230	-0223.2	008.1	183.4	000.1170	0188.0	053.2	37.99
023.0	000.4230	-0213.3	008.1	183.2	000.1170	0187.3	053.3	37.94
024.0	000.4230	-0199.9	008.1	183.1	000.1170	0186.6	053.3	37.89
025.0	000.4230	-0183.5	008.1	182.9	000.1170	0185.9	053.4	37.84
026.0	000.4230	-0167.8	008.1	182.8	000.1170	0185.1	053.4	37.78
027.0	000.4230	-0157.6	008.1	182.7	000.1170	0184.3	053.5	37.73
028.0	000.4230	-0154.6	008.1	182.5	000.1170	0183.5	053.6	37.67
029.0	000.4230	-0159.8	008.1	182.4	000.1170	0182.7	053.6	37.61

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
030.0	000.4230	-0173.5	008.1	182.3	000.1170	0181.9	053.7	37.55
031.0	000.4230	-0194.5	008.1	182.1	000.1170	0181.0	053.8	37.48
032.0	000.4230	-0220.0	008.1	182.0	000.1170	0180.0	053.8	37.41
033.0	000.4230	-0247.0	008.1	181.9	000.1170	0178.9	053.9	37.33
034.0	000.4230	-0272.1	008.1	181.7	000.1170	0177.7	054.0	37.24
035.0	000.4230	-0293.1	008.1	181.6	000.1170	0176.4	054.1	37.16
036.0	000.4230	-0309.8	008.1	181.5	000.1170	0175.0	054.1	37.06
037.0	000.4230	-0324.0	008.1	181.4	000.1170	0173.5	054.2	36.96
038.0	000.4230	-0337.5	008.1	181.2	000.1170	0172.0	054.3	36.85
039.0	000.4230	-0349.9	008.1	181.1	000.1170	0170.5	054.4	36.75
040.0	000.4230	-0358.3	008.1	181.0	000.1170	0169.1	054.5	36.65
041.0	000.4230	-0363.1	008.1	180.9	000.1170	0167.7	054.6	36.54
042.0	000.4230	-0366.6	008.1	180.8	000.1170	0166.3	054.7	36.44
043.0	000.4230	-0369.7	008.1	180.7	000.1170	0164.9	054.7	36.33
044.0	000.4230	-0370.5	008.1	180.5	000.1170	0163.6	054.8	36.23
045.0	000.4230	-0368.7	008.1	180.4	000.1170	0162.3	054.9	36.13
046.0	000.4230	-0366.7	008.1	180.3	000.1170	0161.0	055.0	36.03
047.0	000.4230	-0365.2	008.1	180.2	000.1170	0159.8	055.1	35.92
048.0	000.4230	-0363.7	008.1	180.1	000.1170	0158.6	055.2	35.82
049.0	000.4230	-0363.0	008.1	180.0	000.1170	0157.4	055.4	35.72
050.0	000.4230	-0362.8	008.1	179.9	000.1170	0156.2	055.5	35.62
051.0	000.4230	-0361.7	008.1	179.9	000.1170	0155.1	055.6	35.52
052.0	000.4230	-0359.3	008.1	179.8	000.1170	0154.0	055.7	35.42
053.0	000.4230	-0356.6	008.1	179.7	000.1170	0152.9	055.8	35.32
054.0	000.4230	-0354.1	008.1	179.6	000.1170	0151.9	055.9	35.22
055.0	000.4230	-0351.1	008.1	179.5	000.1170	0150.9	056.0	35.13
056.0	000.4230	-0347.1	008.1	179.4	000.1170	0149.9	056.1	35.03
057.0	000.4230	-0345.5	008.1	179.3	000.1170	0148.9	056.3	34.94
058.0	000.4230	-0346.6	008.1	179.3	000.1170	0148.0	056.4	34.84
059.0	000.4230	-0347.1	008.1	179.2	000.1170	0147.1	056.5	34.75
060.0	000.4230	-0344.7	008.1	179.1	000.1170	0146.2	056.6	34.66
061.0	000.4230	-0340.9	008.1	179.1	000.1170	0145.4	056.8	34.57
062.0	000.4230	-0339.2	008.1	179.0	000.1170	0144.6	056.9	34.48
063.0	000.4230	-0341.0	008.1	178.9	000.1170	0143.9	057.0	34.39
064.0	000.4230	-0344.2	008.1	178.9	000.1170	0143.1	057.1	34.30
065.0	000.4230	-0346.7	008.1	178.8	000.1170	0142.4	057.3	34.21

Single Channel Allocations Map - WVNK
Vermont Public Radio

FMCommander Single Allocation Study - 06-13-2011 - FCC NGDC 30 Sec
WVNK.C's Overlaps (In= 6.06 km, Out= 7.13 km)

WVNK.C CH 216 A

Lat= 43 14 12.1, Lng= 73 01 43.7

0.117 kW 138.8 M HAAT, 655 M COR

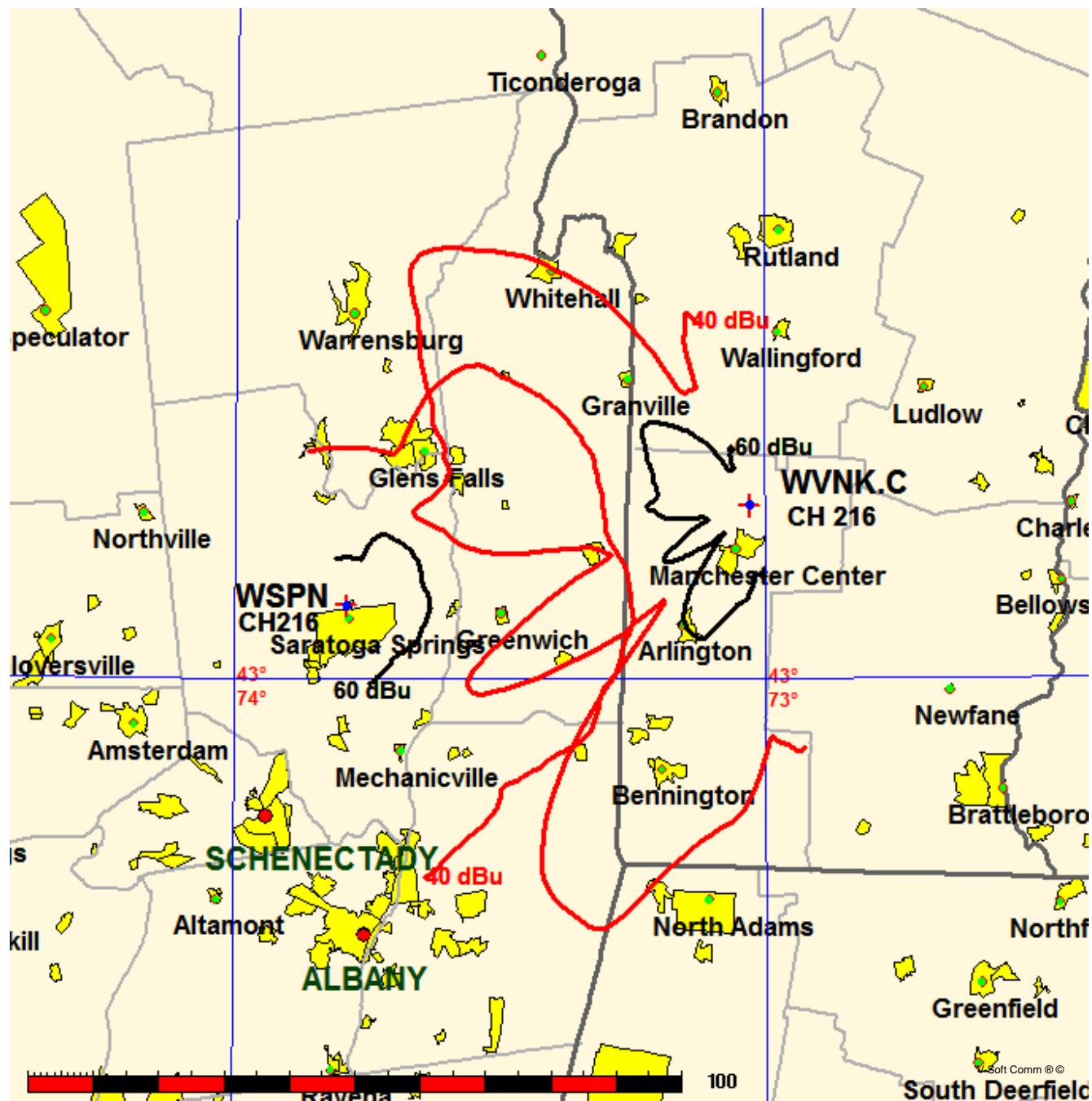
Prot.= 60 dBu, Intef.= 40 dBu

WSPN CH 216 A BLED19801201AP

Lat= 43 05 55.0, Lng= 73 47 10.0

0.25 kW 30 M HAAT, 179 M COR

Prot.= 60 dBu, Intef.= 40 dBu



06-13-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WVKN.C

WSPN BLED19801201AP

Channel = 216A
 Max ERP = 0.117 kW
 RCAMSL = 655 M
 N. Lat. 43 14 12.1
 W. Lng. 73 01 43.7
 Protected
 60 dBu

Channel = 216A
 Max ERP = 0.25 kW
 RCAMSL = 179 M
 N. Lat. 43 05 55.0
 W. Lng. 73 47 10.0
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
196.0	000.1170	0339.7	019.9	093.7	000.2500	0098.5	056.1	35.36	
197.0	000.1170	0362.9	020.5	094.2	000.2500	0098.0	055.7	35.50	
198.0	000.1170	0383.7	021.1	094.7	000.2500	0097.5	055.2	35.64	
199.0	000.1170	0398.9	021.5	095.0	000.2500	0097.1	054.8	35.78	
200.0	000.1170	0405.8	021.6	095.1	000.2500	0097.0	054.4	35.93	
201.0	000.1170	0406.7	021.7	095.0	000.2500	0097.1	054.0	36.07	
202.0	000.1170	0403.9	021.6	094.8	000.2500	0097.3	053.6	36.22	
203.0	000.1170	0400.5	021.5	094.6	000.2500	0097.5	053.3	36.36	
204.0	000.1170	0397.4	021.4	094.4	000.2500	0097.8	053.0	36.50	
205.0	000.1170	0393.9	021.3	094.1	000.2500	0098.0	052.7	36.64	
206.0	000.1170	0389.6	021.2	093.9	000.2500	0098.3	052.3	36.78	
207.0	000.1170	0383.5	021.1	093.6	000.2500	0098.5	052.1	36.90	
208.0	000.1170	0375.0	020.9	093.2	000.2500	0098.6	051.8	37.00	
209.0	000.1170	0362.9	020.5	092.7	000.2500	0098.4	051.6	37.06	
210.0	000.1170	0346.9	020.1	092.1	000.2500	0098.0	051.5	37.08	
211.0	000.1170	0327.2	019.6	091.4	000.2500	0097.5	051.5	37.06	
212.0	000.1170	0304.6	018.9	090.5	000.2500	0096.9	051.5	36.99	
213.0	000.1170	0279.4	018.1	089.6	000.2500	0096.2	051.7	36.88	
214.0	000.1170	0251.1	017.1	088.5	000.2500	0096.1	052.0	36.76	
215.0	000.1170	0220.1	015.9	087.2	000.2500	0096.0	052.4	36.58	
216.0	000.1170	0185.2	014.6	085.9	000.2500	0095.8	053.0	36.33	
217.0	000.1170	0145.1	012.8	084.4	000.2500	0094.8	054.0	35.90	
218.0	000.1170	0102.7	010.9	082.7	000.2500	0093.9	055.2	35.38	
219.0	000.1170	0066.9	008.8	081.1	000.2500	0092.0	056.6	34.74	
220.0	000.1170	0043.2	007.0	079.8	000.2500	0090.4	057.8	34.17	
221.0	000.1170	0031.3	006.0	079.1	000.2500	0089.5	058.5	33.86	
222.0	000.1170	0028.7	005.9	078.9	000.2500	0089.4	058.6	33.84	
223.0	000.1170	0035.2	006.3	079.1	000.2500	0089.6	058.1	34.00	
224.0	000.1170	0047.6	007.3	079.6	000.2500	0090.2	057.2	34.37	
225.0	000.1170	0061.0	008.4	080.2	000.2500	0090.8	056.3	34.76	
226.0	000.1170	0072.4	009.2	080.5	000.2500	0091.2	055.6	35.04	
227.0	000.1170	0081.1	009.7	080.6	000.2500	0091.4	055.1	35.24	
228.0	000.1170	0089.5	010.2	080.8	000.2500	0091.6	054.6	35.44	
229.0	000.1170	0100.7	010.7	080.9	000.2500	0091.8	054.0	35.67	
230.0	000.1170	0116.5	011.5	081.2	000.2500	0092.1	053.2	35.97	
231.0	000.1170	0134.7	012.3	081.5	000.2500	0092.4	052.4	36.30	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
232.0	000.1170	0153.3	013.2	081.8	000.2500	0092.9	051.6	36.66
233.0	000.1170	0172.0	014.1	082.0	000.2500	0093.2	050.7	37.00
234.0	000.1170	0189.2	014.7	082.1	000.2500	0093.3	050.0	37.27
235.0	000.1170	0203.7	015.3	082.1	000.2500	0093.3	049.4	37.50
236.0	000.1170	0212.8	015.6	082.0	000.2500	0093.2	049.0	37.65
237.0	000.1170	0215.3	015.7	081.8	000.2500	0092.9	048.8	37.70
238.0	000.1170	0211.1	015.5	081.4	000.2500	0092.4	048.8	37.64
239.0	000.1170	0199.8	015.1	080.9	000.2500	0091.8	049.1	37.48
240.0	000.1170	0180.8	014.4	080.4	000.2500	0091.1	049.7	37.22
241.0	000.1170	0156.1	013.4	079.7	000.2500	0090.3	050.6	36.82
242.0	000.1170	0131.6	012.2	079.0	000.2500	0089.5	051.6	36.37
243.0	000.1170	0110.7	011.2	078.5	000.2500	0088.8	052.5	36.01
244.0	000.1170	0096.9	010.6	078.1	000.2500	0088.2	053.1	35.74
245.0	000.1170	0087.0	010.0	077.8	000.2500	0087.8	053.5	35.54
246.0	000.1170	0076.6	009.4	077.5	000.2500	0087.5	054.1	35.31
247.0	000.1170	0064.8	008.7	077.2	000.2500	0087.2	054.8	35.03
248.0	000.1170	0053.6	007.9	076.9	000.2500	0086.9	055.6	34.72
249.0	000.1170	0044.2	007.1	076.6	000.2500	0086.7	056.3	34.43
250.0	000.1170	0040.2	006.7	076.4	000.2500	0086.6	056.6	34.31
251.0	000.1170	0040.9	006.8	076.3	000.2500	0086.5	056.6	34.33
252.0	000.1170	0043.1	007.0	076.2	000.2500	0086.4	056.4	34.39
253.0	000.1170	0044.7	007.1	076.1	000.2500	0086.3	056.2	34.44
254.0	000.1170	0046.3	007.2	076.0	000.2500	0086.2	056.1	34.48
255.0	000.1170	0050.7	007.6	075.9	000.2500	0086.2	055.7	34.61
256.0	000.1170	0062.1	008.5	075.7	000.2500	0086.1	054.8	34.92
257.0	000.1170	0077.7	009.5	075.6	000.2500	0086.1	053.9	35.28
258.0	000.1170	0094.8	010.4	075.4	000.2500	0086.0	052.9	35.62
259.0	000.1170	0113.8	011.4	075.1	000.2500	0086.1	052.0	35.96
260.0	000.1170	0131.5	012.2	074.8	000.2500	0086.1	051.2	36.25
261.0	000.1170	0146.0	012.9	074.5	000.2500	0086.3	050.5	36.50
262.0	000.1170	0157.2	013.4	074.2	000.2500	0086.5	050.0	36.70
263.0	000.1170	0166.5	013.8	073.8	000.2500	0086.7	049.6	36.86
264.0	000.1170	0171.5	014.0	073.5	000.2500	0086.8	049.5	36.93
265.0	000.1170	0177.4	014.3	073.2	000.2500	0087.0	049.3	37.02
266.0	000.1170	0190.8	014.8	072.8	000.2500	0087.2	048.9	37.19
267.0	000.1170	0203.4	015.3	072.3	000.2500	0087.5	048.5	37.35
268.0	000.1170	0215.8	015.7	071.9	000.2500	0087.6	048.1	37.51
269.0	000.1170	0216.5	015.8	071.5	000.2500	0087.8	048.1	37.50
270.0	000.1170	0206.7	015.4	071.4	000.2500	0087.8	048.6	37.35
271.0	000.1170	0196.8	015.0	071.2	000.2500	0087.9	049.0	37.19
272.0	000.1170	0186.9	014.6	071.1	000.2500	0087.9	049.4	37.04
273.0	000.1170	0179.7	014.4	070.9	000.2500	0088.0	049.8	36.93
274.0	000.1170	0177.1	014.3	070.7	000.2500	0088.1	050.0	36.87
275.0	000.1170	0174.4	014.2	070.5	000.2500	0088.2	050.2	36.81
276.0	000.1170	0171.8	014.1	070.3	000.2500	0088.4	050.4	36.75
277.0	000.1170	0174.6	014.2	070.0	000.2500	0088.6	050.4	36.77
278.0	000.1170	0179.8	014.4	069.6	000.2500	0089.0	050.3	36.82
279.0	000.1170	0182.0	014.5	069.3	000.2500	0089.3	050.3	36.82
280.0	000.1170	0182.3	014.5	069.1	000.2500	0089.5	050.5	36.80
281.0	000.1170	0184.6	014.6	068.8	000.2500	0089.8	050.5	36.80
282.0	000.1170	0190.1	014.8	068.4	000.2500	0090.2	050.5	36.85

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
283.0	000.1170	0198.3	015.1	068.0	000.2500	0090.6	050.4	36.92
284.0	000.1170	0204.9	015.3	067.5	000.2500	0090.9	050.3	36.97
285.0	000.1170	0207.3	015.4	067.2	000.2500	0091.2	050.4	36.95
286.0	000.1170	0208.2	015.4	067.0	000.2500	0091.4	050.6	36.92
287.0	000.1170	0210.7	015.5	066.7	000.2500	0091.6	050.7	36.90
288.0	000.1170	0216.1	015.7	066.3	000.2500	0091.9	050.7	36.92
289.0	000.1170	0222.4	016.0	065.9	000.2500	0092.1	050.7	36.93
290.0	000.1170	0228.9	016.2	065.4	000.2500	0092.3	050.7	36.95
291.0	000.1170	0234.9	016.5	065.0	000.2500	0092.6	050.7	36.95
292.0	000.1170	0242.3	016.7	064.6	000.2500	0092.8	050.7	36.96
293.0	000.1170	0249.3	017.0	064.1	000.2500	0093.1	050.8	36.97
294.0	000.1170	0255.9	017.2	063.7	000.2500	0093.4	050.9	36.96
295.0	000.1170	0262.2	017.5	063.3	000.2500	0093.7	050.9	36.96
296.0	000.1170	0267.4	017.7	062.9	000.2500	0094.0	051.1	36.93
297.0	000.1170	0273.4	017.9	062.5	000.2500	0094.4	051.2	36.92
298.0	000.1170	0280.3	018.1	062.1	000.2500	0094.8	051.3	36.91
299.0	000.1170	0288.5	018.4	061.7	000.2500	0095.4	051.4	36.91
300.0	000.1170	0298.2	018.7	061.2	000.2500	0095.9	051.5	36.91
301.0	000.1170	0309.7	019.1	060.6	000.2500	0096.5	051.6	36.92
302.0	000.1170	0321.5	019.4	060.1	000.2500	0097.0	051.8	36.91
303.0	000.1170	0332.4	019.7	059.6	000.2500	0097.4	051.9	36.88
304.0	000.1170	0340.5	019.9	059.2	000.2500	0097.7	052.1	36.82
305.0	000.1170	0344.2	020.0	059.0	000.2500	0097.8	052.4	36.72
306.0	000.1170	0344.3	020.0	058.8	000.2500	0097.8	052.7	36.61
307.0	000.1170	0341.1	020.0	058.8	000.2500	0097.9	053.1	36.48
308.0	000.1170	0334.6	019.8	058.8	000.2500	0097.9	053.5	36.33
309.0	000.1170	0325.7	019.5	058.9	000.2500	0097.8	053.9	36.17
310.0	000.1170	0314.1	019.2	059.1	000.2500	0097.7	054.3	36.00
311.0	000.1170	0300.1	018.7	059.5	000.2500	0097.5	054.7	35.82
312.0	000.1170	0284.6	018.2	059.8	000.2500	0097.2	055.2	35.62
313.0	000.1170	0268.3	017.7	060.3	000.2500	0096.9	055.7	35.42
314.0	000.1170	0253.5	017.2	060.7	000.2500	0096.4	056.1	35.22
315.0	000.1170	0240.4	016.7	061.1	000.2500	0096.0	056.5	35.04

06-13-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WSPN BLED19801201AP

WVNK.C

Channel = 216A

Max ERP = 0.25 kW

RCAMSL = 179 M

N. Lat. 43 05 55.0

W. Lng. 73 47 10.0

Protected

60 dBu

Channel = 216A

Max ERP = 0.117 kW

RCAMSL = 655 M

N. Lat. 43 14 12.1

W. Lng. 73 01 43.7

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
016.0	000.2500	-0013.6	007.1	262.1	000.1170	0158.1	060.0	34.02	
017.0	000.2500	0002.0	007.1	262.0	000.1170	0157.6	059.9	34.04	
018.0	000.2500	0018.6	007.1	262.0	000.1170	0157.0	059.8	34.05	
019.0	000.2500	0034.4	007.5	262.3	000.1170	0160.4	059.5	34.33	
020.0	000.2500	0048.0	009.1	263.6	000.1170	0169.9	058.7	35.10	
021.0	000.2500	0058.2	010.0	264.3	000.1170	0172.4	058.1	35.45	
022.0	000.2500	0064.0	010.5	264.6	000.1170	0173.8	057.7	35.64	
023.0	000.2500	0068.1	010.8	264.8	000.1170	0175.1	057.4	35.82	
024.0	000.2500	0072.2	011.0	265.0	000.1170	0177.0	057.1	36.02	
025.0	000.2500	0076.0	011.3	265.1	000.1170	0178.7	056.8	36.21	
026.0	000.2500	0079.4	011.5	265.2	000.1170	0179.9	056.5	36.37	
027.0	000.2500	0082.4	011.7	265.3	000.1170	0180.8	056.3	36.52	
028.0	000.2500	0085.0	011.9	265.3	000.1170	0181.3	056.0	36.64	
029.0	000.2500	0086.9	012.0	265.3	000.1170	0181.0	055.8	36.72	
030.0	000.2500	0087.9	012.1	265.2	000.1170	0180.2	055.5	36.76	
031.0	000.2500	0088.3	012.1	265.1	000.1170	0178.7	055.4	36.76	
032.0	000.2500	0088.5	012.1	265.0	000.1170	0177.1	055.2	36.76	
033.0	000.2500	0088.6	012.1	264.8	000.1170	0175.5	055.0	36.75	
034.0	000.2500	0088.8	012.1	264.7	000.1170	0174.3	054.8	36.75	
035.0	000.2500	0089.1	012.2	264.6	000.1170	0173.5	054.7	36.78	
036.0	000.2500	0089.7	012.2	264.5	000.1170	0172.9	054.5	36.83	
037.0	000.2500	0090.4	012.3	264.4	000.1170	0172.5	054.3	36.88	
038.0	000.2500	0091.1	012.3	264.2	000.1170	0172.1	054.1	36.93	
039.0	000.2500	0091.7	012.3	264.1	000.1170	0171.7	053.9	36.98	
040.0	000.2500	0092.3	012.4	264.0	000.1170	0171.4	053.8	37.03	
041.0	000.2500	0093.0	012.4	263.8	000.1170	0170.9	053.6	37.08	
042.0	000.2500	0093.8	012.5	263.7	000.1170	0170.4	053.4	37.12	
043.0	000.2500	0094.6	012.5	263.5	000.1170	0169.8	053.2	37.16	
044.0	000.2500	0095.2	012.6	263.4	000.1170	0169.1	053.0	37.19	
045.0	000.2500	0095.8	012.6	263.2	000.1170	0168.1	052.9	37.20	
046.0	000.2500	0096.3	012.6	263.1	000.1170	0166.9	052.7	37.21	
047.0	000.2500	0096.8	012.7	262.9	000.1170	0165.6	052.6	37.20	
048.0	000.2500	0097.2	012.7	262.7	000.1170	0164.1	052.4	37.19	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
049.0	000.2500	0097.7	012.7	262.5	000.1170	0162.4	052.3	37.16
050.0	000.2500	0098.0	012.7	262.3	000.1170	0160.6	052.1	37.12
051.0	000.2500	0098.2	012.8	262.1	000.1170	0158.5	052.0	37.06
052.0	000.2500	0098.1	012.7	261.9	000.1170	0156.3	051.9	36.99
053.0	000.2500	0097.9	012.7	261.7	000.1170	0154.0	051.8	36.91
054.0	000.2500	0097.7	012.7	261.5	000.1170	0151.5	051.7	36.81
055.0	000.2500	0097.7	012.7	261.2	000.1170	0149.0	051.6	36.72
056.0	000.2500	0097.8	012.7	261.0	000.1170	0146.2	051.5	36.61
057.0	000.2500	0098.0	012.7	260.8	000.1170	0143.3	051.4	36.50
058.0	000.2500	0098.0	012.7	260.6	000.1170	0140.0	051.3	36.36
059.0	000.2500	0097.8	012.7	260.3	000.1170	0136.6	051.3	36.20
060.0	000.2500	0097.1	012.7	260.1	000.1170	0132.9	051.2	36.02
061.0	000.2500	0096.1	012.6	259.8	000.1170	0128.8	051.2	35.80
062.0	000.2500	0095.0	012.5	259.6	000.1170	0124.4	051.2	35.57
063.0	000.2500	0093.9	012.5	259.3	000.1170	0119.8	051.2	35.32
064.0	000.2500	0093.2	012.4	259.1	000.1170	0115.1	051.2	35.05
065.0	000.2500	0092.6	012.4	258.8	000.1170	0110.3	051.2	34.76
066.0	000.2500	0092.0	012.4	258.6	000.1170	0105.6	051.2	34.45
067.0	000.2500	0091.4	012.3	258.3	000.1170	0100.8	051.2	34.11
068.0	000.2500	0090.6	012.3	258.1	000.1170	0096.3	051.2	33.77
069.0	000.2500	0089.6	012.2	257.8	000.1170	0091.9	051.2	33.41
070.0	000.2500	0088.6	012.1	257.6	000.1170	0087.6	051.3	33.05
071.0	000.2500	0088.0	012.1	257.4	000.1170	0083.5	051.3	32.70
072.0	000.2500	0087.6	012.1	257.1	000.1170	0079.5	051.3	32.36
073.0	000.2500	0087.1	012.0	256.9	000.1170	0075.7	051.3	32.01
074.0	000.2500	0086.6	012.0	256.6	000.1170	0071.9	051.3	31.66
075.0	000.2500	0086.1	012.0	256.4	000.1170	0068.2	051.3	31.30
076.0	000.2500	0086.2	012.0	256.2	000.1170	0064.7	051.3	30.97
077.0	000.2500	0087.0	012.0	255.9	000.1170	0061.2	051.3	30.65
078.0	000.2500	0088.1	012.1	255.7	000.1170	0058.1	051.2	30.36
079.0	000.2500	0089.4	012.2	255.5	000.1170	0055.1	051.2	30.05
080.0	000.2500	0090.6	012.3	255.2	000.1170	0052.6	051.1	29.76
081.0	000.2500	0091.8	012.3	255.0	000.1170	0050.4	051.0	29.50
082.0	000.2500	0093.2	012.4	254.7	000.1170	0048.8	051.0	29.30
083.0	000.2500	0094.1	012.5	254.5	000.1170	0047.5	051.0	29.14
084.0	000.2500	0094.6	012.5	254.2	000.1170	0046.7	051.0	29.03
085.0	000.2500	0095.1	012.6	254.0	000.1170	0046.2	051.0	28.95
086.0	000.2500	0095.8	012.6	253.7	000.1170	0045.8	051.0	28.90
087.0	000.2500	0095.9	012.6	253.5	000.1170	0045.5	051.0	28.84
088.0	000.2500	0096.1	012.6	253.2	000.1170	0045.1	051.1	28.78
089.0	000.2500	0096.1	012.6	253.0	000.1170	0044.7	051.1	28.70
090.0	000.2500	0096.5	012.6	252.7	000.1170	0044.3	051.2	28.63
091.0	000.2500	0097.2	012.7	252.5	000.1170	0043.9	051.2	28.57
092.0	000.2500	0097.9	012.7	252.2	000.1170	0043.5	051.2	28.50
093.0	000.2500	0098.6	012.8	252.0	000.1170	0043.1	051.3	28.43
094.0	000.2500	0098.2	012.7	251.8	000.1170	0042.6	051.4	28.32
095.0	000.2500	0097.1	012.7	251.6	000.1170	0042.2	051.5	28.23
096.0	000.2500	0096.0	012.6	251.4	000.1170	0041.7	051.7	28.12
097.0	000.2500	0094.5	012.5	251.2	000.1170	0041.4	051.9	28.02
098.0	000.2500	0093.3	012.4	251.0	000.1170	0041.0	052.0	27.91
099.0	000.2500	0092.9	012.4	250.8	000.1170	0040.7	052.1	27.83

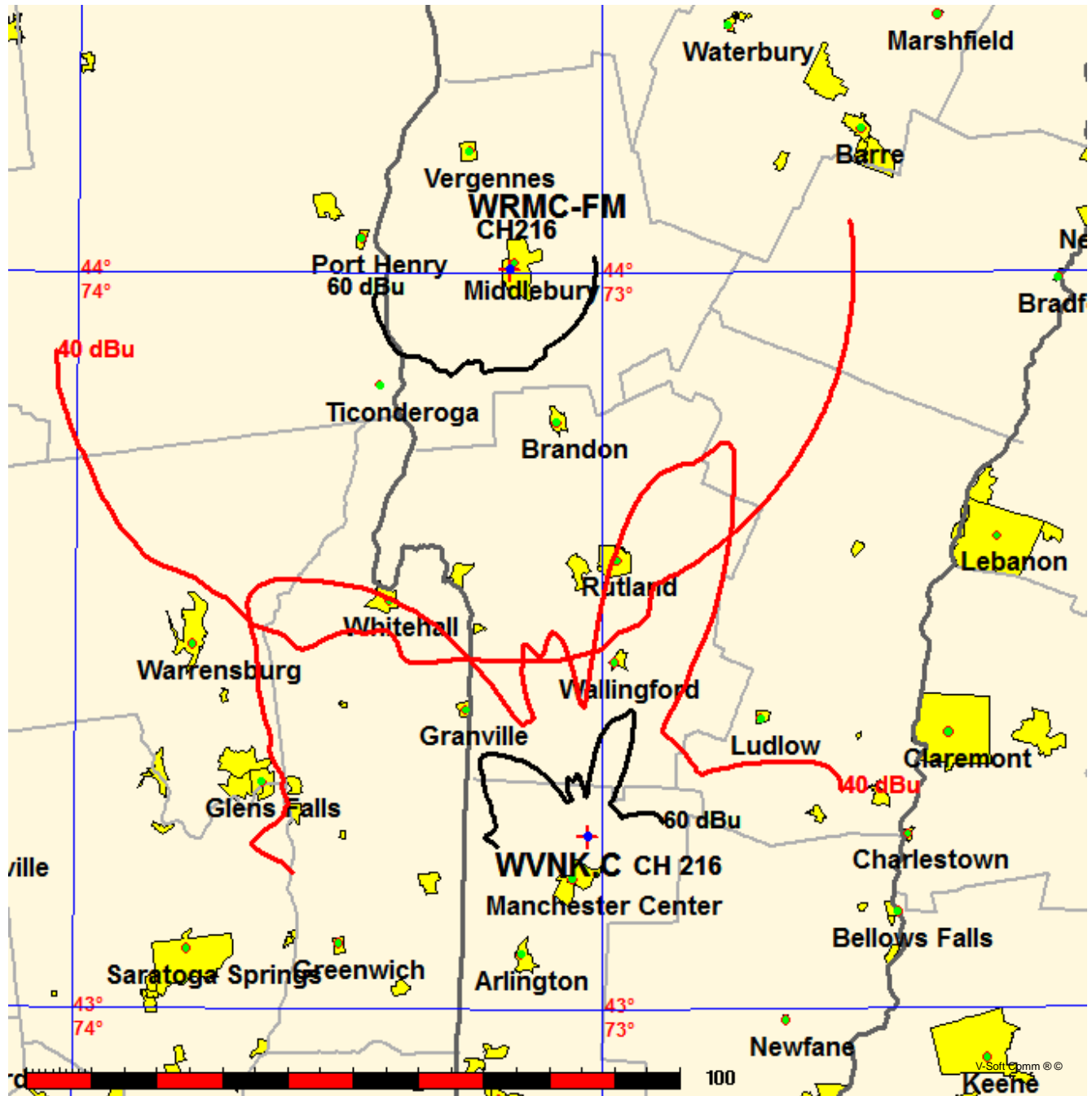
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
100.0	000.2500	0092.7	012.4	250.6	000.1170	0040.3	052.3	27.75
101.0	000.2500	0092.6	012.4	250.4	000.1170	0040.2	052.4	27.70
102.0	000.2500	0092.5	012.4	250.2	000.1170	0040.1	052.5	27.65
103.0	000.2500	0092.2	012.4	250.1	000.1170	0040.1	052.6	27.62
104.0	000.2500	0091.9	012.3	249.9	000.1170	0040.4	052.8	27.63
105.0	000.2500	0091.0	012.3	249.7	000.1170	0040.7	052.9	27.63
106.0	000.2500	0089.9	012.2	249.6	000.1170	0041.1	053.1	27.64
107.0	000.2500	0088.5	012.1	249.5	000.1170	0041.5	053.3	27.65
108.0	000.2500	0087.2	012.0	249.3	000.1170	0042.1	053.5	27.68
109.0	000.2500	0086.7	012.0	249.2	000.1170	0042.9	053.7	27.75
110.0	000.2500	0086.9	012.0	249.0	000.1170	0044.2	053.8	27.90
111.0	000.2500	0087.4	012.1	248.8	000.1170	0045.7	053.9	28.06
112.0	000.2500	0087.9	012.1	248.6	000.1170	0047.4	054.0	28.24
113.0	000.2500	0088.4	012.1	248.4	000.1170	0049.2	054.2	28.44
114.0	000.2500	0088.8	012.1	248.3	000.1170	0051.0	054.3	28.61
115.0	000.2500	0089.2	012.2	248.1	000.1170	0052.7	054.4	28.77
116.0	000.2500	0089.4	012.2	247.9	000.1170	0054.4	054.6	28.91
117.0	000.2500	0089.3	012.2	247.8	000.1170	0055.9	054.7	29.03
118.0	000.2500	0088.9	012.2	247.7	000.1170	0057.3	054.9	29.11
119.0	000.2500	0088.2	012.1	247.6	000.1170	0058.4	055.1	29.16
120.0	000.2500	0087.2	012.0	247.5	000.1170	0059.2	055.3	29.18
121.0	000.2500	0085.9	012.0	247.4	000.1170	0059.9	055.6	29.17
122.0	000.2500	0084.2	011.9	247.4	000.1170	0060.3	055.8	29.14
123.0	000.2500	0082.4	011.7	247.4	000.1170	0060.5	056.0	29.08
124.0	000.2500	0080.5	011.6	247.4	000.1170	0060.6	056.3	29.02
125.0	000.2500	0079.0	011.5	247.3	000.1170	0060.8	056.5	28.97
126.0	000.2500	0078.0	011.4	247.3	000.1170	0061.3	056.7	28.95
127.0	000.2500	0077.3	011.4	247.2	000.1170	0062.0	056.9	28.94
128.0	000.2500	0076.7	011.4	247.2	000.1170	0062.8	057.1	28.95
129.0	000.2500	0076.1	011.3	247.1	000.1170	0063.4	057.3	28.94
130.0	000.2500	0075.3	011.3	247.1	000.1170	0064.0	057.5	28.93
131.0	000.2500	0074.4	011.2	247.0	000.1170	0064.3	057.7	28.89
132.0	000.2500	0073.4	011.1	247.0	000.1170	0064.5	057.9	28.85
133.0	000.2500	0072.5	011.1	247.0	000.1170	0064.8	058.1	28.81
134.0	000.2500	0071.8	011.0	247.0	000.1170	0065.2	058.3	28.78
135.0	000.2500	0071.4	011.0	246.9	000.1170	0065.7	058.5	28.76

Single Channel Allocations Map - WVNK
Vermont Public Radio

FMCommander Single Allocation Study - 06-13-2011 - FCC NGDC 30 Sec
WVNK.C's Overlaps (In= 10.76 km, Out= 40.18 km)

WVNK.C CH 216 A
Lat= 43 14 12.1, Lng= 73 01 43.7
0.117 kW 138.8 M HAAT, 655 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WRMC-FM CH 216 A BLED20021213ABD
Lat= 44 00 25.0, Lng= 73 10 40.0
2.9 kW -9 M HAAT, 161 M COR
Prot.= 60 dBu, Intef.= 40 dBu



06-13-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WV NK.C

WRMC-FM BLED20021213ABD

Channel = 216A
 Max ERP = 0.117 kW
 RCAMSL = 655 M
 N. Lat. 43 14 12.1
 W. Lng. 73 01 43.7
 Protected
 60 dBu

Channel = 216A
 Max ERP = 2.9 kW
 RCAMSL = 161 M
 N. Lat. 44 00 25.0
 W. Lng. 73 10 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)
292.0	000.1170	0242.3	016.7	182.5	002.9000	0041.0	079.4	35.55	
293.0	000.1170	0249.3	017.0	182.6	002.9000	0041.0	079.1	35.63	
294.0	000.1170	0255.9	017.2	182.7	002.9000	0041.0	078.7	35.71	
295.0	000.1170	0262.2	017.5	182.8	002.9000	0041.0	078.3	35.79	
296.0	000.1170	0267.4	017.7	182.8	002.9000	0041.0	078.0	35.86	
297.0	000.1170	0273.4	017.9	182.9	002.9000	0041.0	077.6	35.94	
298.0	000.1170	0280.3	018.1	182.9	002.9000	0041.0	077.2	36.03	
299.0	000.1170	0288.5	018.4	183.0	002.9000	0041.0	076.8	36.11	
300.0	000.1170	0298.2	018.7	183.1	002.9000	0041.0	076.4	36.21	
301.0	000.1170	0309.7	019.1	183.3	002.9000	0041.0	075.9	36.31	
302.0	000.1170	0321.5	019.4	183.4	002.9000	0041.0	075.5	36.40	
303.0	000.1170	0332.4	019.7	183.5	002.9000	0041.0	075.0	36.50	
304.0	000.1170	0340.5	019.9	183.5	002.9000	0041.0	074.6	36.59	
305.0	000.1170	0344.2	020.0	183.4	002.9000	0041.0	074.3	36.66	
306.0	000.1170	0344.3	020.0	183.3	002.9000	0041.0	074.0	36.73	
307.0	000.1170	0341.1	020.0	183.1	002.9000	0041.0	073.7	36.78	
308.0	000.1170	0334.6	019.8	182.8	002.9000	0041.0	073.5	36.82	
309.0	000.1170	0325.7	019.5	182.5	002.9000	0041.0	073.4	36.85	
310.0	000.1170	0314.1	019.2	182.1	002.9000	0041.0	073.3	36.86	
311.0	000.1170	0300.1	018.7	181.7	002.9000	0041.0	073.4	36.86	
312.0	000.1170	0284.6	018.2	181.2	002.9000	0041.0	073.4	36.84	
313.0	000.1170	0268.3	017.7	180.7	002.9000	0041.0	073.6	36.81	
314.0	000.1170	0253.5	017.2	180.3	002.9000	0041.0	073.7	36.78	
315.0	000.1170	0240.4	016.7	179.8	002.9000	0041.0	073.8	36.76	
316.0	000.1170	0228.2	016.2	179.4	002.9000	0041.0	074.0	36.73	
317.0	000.1170	0215.7	015.7	179.0	002.9000	0041.0	074.1	36.69	
318.0	000.1170	0202.3	015.2	178.6	002.9000	0041.0	074.3	36.65	
319.0	000.1170	0187.8	014.7	178.2	002.9000	0041.0	074.6	36.59	
320.0	000.1170	0173.2	014.1	177.7	002.9000	0041.0	074.9	36.53	
321.0	000.1170	0158.9	013.5	177.3	002.9000	0041.0	075.2	36.46	
322.0	000.1170	0144.3	012.8	176.9	002.9000	0041.0	075.7	36.37	
323.0	000.1170	0129.7	012.1	176.4	002.9000	0041.1	076.1	36.27	
324.0	000.1170	0114.1	011.4	176.0	002.9000	0041.1	076.6	36.17	
325.0	000.1170	0097.1	010.6	175.6	002.9000	0041.2	077.2	36.05	
326.0	000.1170	0077.9	009.5	175.1	002.9000	0041.3	078.0	35.87	
327.0	000.1170	0056.2	008.1	174.5	002.9000	0041.4	079.2	35.62	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
328.0	000.1170	0033.4	006.1	173.8	002.9000	0041.5	080.9	35.26
329.0	000.1170	0014.7	005.9	173.6	002.9000	0041.5	081.1	35.21
330.0	000.1170	0003.0	005.9	173.5	002.9000	0041.5	081.1	35.22
331.0	000.1170	-0001.3	005.9	173.5	002.9000	0041.5	081.0	35.23
332.0	000.1170	0000.6	005.9	173.4	002.9000	0041.5	081.0	35.24
333.0	000.1170	0006.8	005.9	173.3	002.9000	0041.6	080.9	35.25
334.0	000.1170	0016.3	005.9	173.3	002.9000	0041.6	080.9	35.26
335.0	000.1170	0028.3	005.9	173.2	002.9000	0041.6	080.9	35.27
336.0	000.1170	0041.5	006.8	173.3	002.9000	0041.6	079.9	35.48
337.0	000.1170	0051.3	007.7	173.4	002.9000	0041.5	079.1	35.66
338.0	000.1170	0056.9	008.1	173.4	002.9000	0041.5	078.6	35.76
339.0	000.1170	0060.0	008.3	173.4	002.9000	0041.5	078.4	35.82
340.0	000.1170	0067.1	008.8	173.3	002.9000	0041.6	077.9	35.93
341.0	000.1170	0073.4	009.2	173.3	002.9000	0041.6	077.4	36.02
342.0	000.1170	0072.4	009.2	173.2	002.9000	0041.6	077.5	36.02
343.0	000.1170	0067.6	008.9	173.0	002.9000	0041.6	077.7	35.96
344.0	000.1170	0064.5	008.6	172.9	002.9000	0041.6	077.9	35.92
345.0	000.1170	0062.6	008.5	172.8	002.9000	0041.7	078.0	35.90
346.0	000.1170	0063.2	008.6	172.6	002.9000	0041.7	078.0	35.92
347.0	000.1170	0067.2	008.8	172.6	002.9000	0041.7	077.7	35.98
348.0	000.1170	0071.3	009.1	172.5	002.9000	0041.7	077.4	36.04
349.0	000.1170	0074.6	009.3	172.4	002.9000	0041.7	077.2	36.09
350.0	000.1170	0076.6	009.4	172.2	002.9000	0041.7	077.1	36.12
351.0	000.1170	0075.3	009.3	172.1	002.9000	0041.7	077.1	36.10
352.0	000.1170	0071.3	009.1	172.0	002.9000	0041.8	077.4	36.05
353.0	000.1170	0066.1	008.8	171.9	002.9000	0041.7	077.7	35.98
354.0	000.1170	0057.0	008.1	171.8	002.9000	0041.7	078.3	35.84
355.0	000.1170	0047.2	007.3	171.7	002.9000	0041.7	079.2	35.66
356.0	000.1170	0040.6	006.8	171.6	002.9000	0041.7	079.7	35.53
357.0	000.1170	0032.6	006.1	171.6	002.9000	0041.7	080.4	35.38
358.0	000.1170	0026.3	005.9	171.5	002.9000	0041.7	080.6	35.33
359.0	000.1170	0029.9	005.9	171.5	002.9000	0041.7	080.7	35.33
000.0	000.1170	0041.4	006.8	171.3	002.9000	0041.7	079.7	35.53
001.0	000.1170	0052.8	007.8	171.1	002.9000	0041.6	078.8	35.73
002.0	000.1170	0065.9	008.7	170.9	002.9000	0041.5	077.9	35.93
003.0	000.1170	0085.2	009.9	170.6	002.9000	0041.5	076.7	36.17
004.0	000.1170	0106.2	011.0	170.3	002.9000	0041.4	075.7	36.38
005.0	000.1170	0128.1	012.0	169.9	002.9000	0041.3	074.8	36.57
006.0	000.1170	0152.2	013.2	169.5	002.9000	0041.2	073.8	36.79
007.0	000.1170	0177.5	014.3	169.1	002.9000	0041.0	072.7	36.99
008.0	000.1170	0200.4	015.1	168.7	002.9000	0040.9	072.0	37.14
009.0	000.1170	0221.4	015.9	168.2	002.9000	0040.9	071.4	37.28
010.0	000.1170	0239.0	016.6	167.8	002.9000	0041.0	070.8	37.40
011.0	000.1170	0255.3	017.2	167.4	002.9000	0041.0	070.4	37.50
012.0	000.1170	0267.9	017.7	167.0	002.9000	0041.0	070.1	37.55
013.0	000.1170	0275.9	017.9	166.7	002.9000	0040.9	070.0	37.57
014.0	000.1170	0282.5	018.2	166.4	002.9000	0040.8	069.9	37.57
015.0	000.1170	0288.3	018.4	166.1	002.9000	0040.6	069.9	37.56
016.0	000.1170	0293.1	018.5	165.8	002.9000	0040.4	069.9	37.54
017.0	000.1170	0304.4	018.9	165.4	002.9000	0040.1	069.8	37.54
018.0	000.1170	0322.3	019.4	164.9	002.9000	0039.5	069.5	37.55

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
019.0	000.1170	0339.2	019.9	164.5	002.9000	0039.0	069.3	37.53
020.0	000.1170	0344.8	020.1	164.2	002.9000	0038.6	069.4	37.48
021.0	000.1170	0334.5	019.8	164.1	002.9000	0038.5	069.8	37.38
022.0	000.1170	0309.9	019.1	164.2	002.9000	0038.6	070.6	37.24
023.0	000.1170	0279.4	018.1	164.5	002.9000	0039.0	071.6	37.06
024.0	000.1170	0250.0	017.0	164.8	002.9000	0039.4	072.6	36.89
025.0	000.1170	0223.8	016.0	165.2	002.9000	0039.8	073.5	36.73
026.0	000.1170	0199.7	015.1	165.5	002.9000	0040.1	074.4	36.57
027.0	000.1170	0176.5	014.3	165.7	002.9000	0040.4	075.2	36.41
028.0	000.1170	0153.8	013.2	166.1	002.9000	0040.6	076.1	36.24
029.0	000.1170	0131.3	012.2	166.5	002.9000	0040.9	077.1	36.05
030.0	000.1170	0110.0	011.2	166.9	002.9000	0041.0	077.9	35.88
031.0	000.1170	0090.1	010.2	167.3	002.9000	0041.1	078.8	35.69
032.0	000.1170	0073.2	009.2	167.7	002.9000	0041.0	079.6	35.51
033.0	000.1170	0059.4	008.3	168.1	002.9000	0040.9	080.4	35.34
034.0	000.1170	0046.9	007.3	168.5	002.9000	0040.9	081.2	35.16
035.0	000.1170	0034.9	006.3	169.0	002.9000	0041.0	082.0	34.99
036.0	000.1170	0023.5	005.9	169.1	002.9000	0041.1	082.3	34.91
037.0	000.1170	0012.6	005.9	169.1	002.9000	0041.0	082.4	34.89
038.0	000.1170	0001.1	005.9	169.0	002.9000	0041.0	082.5	34.87
039.0	000.1170	-0011.1	005.9	169.0	002.9000	0041.0	082.6	34.86
040.0	000.1170	-0024.6	005.9	169.0	002.9000	0041.0	082.7	34.84
041.0	000.1170	-0038.1	005.9	168.9	002.9000	0041.0	082.7	34.82
042.0	000.1170	-0052.8	005.9	168.9	002.9000	0041.0	082.8	34.80
043.0	000.1170	-0068.5	005.9	168.8	002.9000	0041.0	082.9	34.78
044.0	000.1170	-0082.4	005.9	168.8	002.9000	0040.9	083.0	34.76
045.0	000.1170	-0092.3	005.9	168.7	002.9000	0040.9	083.1	34.74
046.0	000.1170	-0096.7	005.9	168.7	002.9000	0040.9	083.2	34.72
047.0	000.1170	-0095.3	005.9	168.7	002.9000	0040.9	083.2	34.70
048.0	000.1170	-0089.4	005.9	168.6	002.9000	0040.9	083.3	34.68
049.0	000.1170	-0079.9	005.9	168.6	002.9000	0040.9	083.4	34.66
050.0	000.1170	-0068.6	005.9	168.6	002.9000	0040.9	083.5	34.64
051.0	000.1170	-0055.4	005.9	168.5	002.9000	0040.9	083.6	34.62

06-13-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WRMC-FM BLED20021213ABD

WVNK.C

Channel = 216A

Max ERP = 2.9 kW

RCAMSL = 161 M

N. Lat. 44 00 25.0

W. Lng. 73 10 40.0

Protected

60 dBu

Channel = 216A

Max ERP = 0.117 kW

RCAMSL = 655 M

N. Lat. 43 14 12.1

W. Lng. 73 01 43.7

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
112.0	002.9000	-0125.6	013.1	000.1	000.1170	0042.5	080.7	21.42	
113.0	002.9000	-0128.7	013.1	000.0	000.1170	0041.7	080.5	21.42	
114.0	002.9000	-0133.7	013.1	360.0	000.1170	0041.0	080.3	21.42	
115.0	002.9000	-0140.4	013.1	359.9	000.1170	0040.2	080.1	21.41	
116.0	002.9000	-0146.6	013.1	359.8	000.1170	0039.4	079.9	21.40	
117.0	002.9000	-0151.4	013.1	359.8	000.1170	0038.6	079.7	21.39	
118.0	002.9000	-0154.7	013.1	359.7	000.1170	0037.7	079.5	21.38	
119.0	002.9000	-0157.8	013.1	359.6	000.1170	0036.8	079.3	21.36	
120.0	002.9000	-0160.8	013.1	359.5	000.1170	0035.8	079.1	21.33	
121.0	002.9000	-0163.7	013.1	359.4	000.1170	0034.9	078.9	21.31	
122.0	002.9000	-0165.4	013.1	359.3	000.1170	0033.9	078.7	21.28	
123.0	002.9000	-0167.0	013.1	359.3	000.1170	0032.8	078.5	21.24	
124.0	002.9000	-0168.8	013.1	359.2	000.1170	0031.7	078.3	21.20	
125.0	002.9000	-0170.7	013.1	359.1	000.1170	0030.6	078.1	21.16	
126.0	002.9000	-0170.4	013.1	359.0	000.1170	0029.5	077.9	21.14	
127.0	002.9000	-0169.6	013.1	358.9	000.1170	0028.3	077.8	21.18	
128.0	002.9000	-0168.2	013.1	358.8	000.1170	0027.1	077.6	21.21	
129.0	002.9000	-0166.3	013.1	358.6	000.1170	0025.9	077.4	21.25	
130.0	002.9000	-0162.9	013.1	358.5	000.1170	0025.5	077.2	21.28	
131.0	002.9000	-0157.4	013.1	358.4	000.1170	0025.6	077.1	21.31	
132.0	002.9000	-0148.8	013.1	358.3	000.1170	0025.8	076.9	21.34	
133.0	002.9000	-0136.7	013.1	358.2	000.1170	0025.9	076.7	21.37	
134.0	002.9000	-0121.9	013.1	358.1	000.1170	0026.2	076.6	21.40	
135.0	002.9000	-0104.6	013.1	357.9	000.1170	0026.5	076.4	21.43	
136.0	002.9000	-0084.7	013.1	357.8	000.1170	0027.0	076.3	21.46	
137.0	002.9000	-0064.5	013.1	357.7	000.1170	0027.6	076.1	21.49	
138.0	002.9000	-0047.0	013.1	357.6	000.1170	0028.3	076.0	21.52	
139.0	002.9000	-0033.9	013.1	357.4	000.1170	0029.2	075.8	21.54	
140.0	002.9000	-0024.3	013.1	357.3	000.1170	0030.2	075.7	21.59	
141.0	002.9000	-0016.4	013.1	357.2	000.1170	0031.3	075.5	21.70	
142.0	002.9000	-0009.3	013.1	357.0	000.1170	0032.5	075.4	21.82	
143.0	002.9000	-0002.9	013.1	356.9	000.1170	0033.7	075.3	21.94	
144.0	002.9000	0002.9	013.1	356.7	000.1170	0035.0	075.1	22.06	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
145.0	002.9000	0007.6	013.1	356.6	000.1170	0036.2	075.0	22.19
146.0	002.9000	0011.1	013.1	356.4	000.1170	0037.4	074.9	22.31
147.0	002.9000	0013.6	013.1	356.3	000.1170	0038.7	074.8	22.43
148.0	002.9000	0016.2	013.1	356.1	000.1170	0039.8	074.7	22.54
149.0	002.9000	0018.1	013.1	356.0	000.1170	0040.7	074.6	22.63
150.0	002.9000	0018.5	013.1	355.8	000.1170	0041.5	074.5	22.71
151.0	002.9000	0018.4	013.1	355.7	000.1170	0042.2	074.4	22.79
152.0	002.9000	0019.1	013.1	355.5	000.1170	0043.2	074.3	22.89
153.0	002.9000	0021.3	013.1	355.3	000.1170	0044.3	074.2	23.00
154.0	002.9000	0024.4	013.1	355.2	000.1170	0045.7	074.1	23.12
155.0	002.9000	0027.8	013.1	355.0	000.1170	0047.1	074.0	23.24
156.0	002.9000	0030.9	013.3	354.9	000.1170	0048.2	073.8	23.38
157.0	002.9000	0033.6	013.8	354.8	000.1170	0048.7	073.2	23.55
158.0	002.9000	0035.6	014.1	354.7	000.1170	0049.7	072.8	23.71
159.0	002.9000	0036.6	014.3	354.6	000.1170	0051.1	072.6	23.88
160.0	002.9000	0037.1	014.4	354.4	000.1170	0052.8	072.4	24.04
161.0	002.9000	0037.3	014.5	354.2	000.1170	0054.6	072.3	24.20
162.0	002.9000	0037.4	014.5	354.0	000.1170	0056.6	072.2	24.36
163.0	002.9000	0037.6	014.5	353.9	000.1170	0058.6	072.2	24.51
164.0	002.9000	0038.4	014.7	353.7	000.1170	0060.3	072.0	24.68
165.0	002.9000	0039.6	014.9	353.5	000.1170	0061.9	071.7	24.86
166.0	002.9000	0040.6	015.1	353.3	000.1170	0063.5	071.5	25.02
167.0	002.9000	0041.0	015.2	353.1	000.1170	0065.2	071.3	25.15
168.0	002.9000	0041.0	015.2	352.9	000.1170	0066.7	071.3	25.26
169.0	002.9000	0041.0	015.2	352.7	000.1170	0068.1	071.3	25.35
170.0	002.9000	0041.3	015.3	352.5	000.1170	0069.2	071.2	25.44
171.0	002.9000	0041.6	015.3	352.3	000.1170	0070.2	071.2	25.52
172.0	002.9000	0041.8	015.3	352.1	000.1170	0071.1	071.1	25.58
173.0	002.9000	0041.6	015.3	351.8	000.1170	0071.9	071.1	25.63
174.0	002.9000	0041.4	015.3	351.6	000.1170	0072.9	071.2	25.68
175.0	002.9000	0041.3	015.3	351.4	000.1170	0073.8	071.2	25.73
176.0	002.9000	0041.1	015.2	351.2	000.1170	0074.6	071.3	25.76
177.0	002.9000	0041.0	015.2	351.0	000.1170	0075.3	071.3	25.79
178.0	002.9000	0041.0	015.2	350.8	000.1170	0075.9	071.4	25.81
179.0	002.9000	0041.0	015.2	350.6	000.1170	0076.3	071.4	25.83
180.0	002.9000	0041.0	015.2	350.4	000.1170	0076.6	071.4	25.84
181.0	002.9000	0041.0	015.2	350.2	000.1170	0076.7	071.5	25.83
182.0	002.9000	0041.0	015.2	350.0	000.1170	0076.6	071.5	25.81
183.0	002.9000	0041.0	015.2	349.8	000.1170	0076.5	071.6	25.79
184.0	002.9000	0041.0	015.2	349.6	000.1170	0076.1	071.7	25.75
185.0	002.9000	0041.0	015.2	349.4	000.1170	0075.7	071.7	25.70
186.0	002.9000	0041.0	015.2	349.2	000.1170	0075.2	071.8	25.65
187.0	002.9000	0041.1	015.2	348.9	000.1170	0074.4	071.9	25.59
188.0	002.9000	0041.7	015.3	348.7	000.1170	0073.8	071.8	25.56
189.0	002.9000	0042.2	015.4	348.5	000.1170	0073.1	071.8	25.52
190.0	002.9000	0043.0	015.6	348.2	000.1170	0072.2	071.8	25.47
191.0	002.9000	0043.7	015.8	348.0	000.1170	0071.3	071.7	25.43
192.0	002.9000	0044.1	015.8	347.8	000.1170	0070.4	071.8	25.37
193.0	002.9000	0044.5	015.9	347.5	000.1170	0069.5	071.8	25.30
194.0	002.9000	0045.4	016.1	347.3	000.1170	0068.5	071.8	25.25
195.0	002.9000	0045.4	016.1	347.1	000.1170	0067.6	071.9	25.16

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
196.0	002.9000	0043.5	015.7	347.0	000.1170	0067.4	072.4	25.02
197.0	002.9000	0040.7	015.1	347.1	000.1170	0067.6	073.0	24.87
198.0	002.9000	0038.8	014.8	347.1	000.1170	0067.5	073.5	24.74
199.0	002.9000	0038.2	014.6	346.9	000.1170	0066.9	073.7	24.65
200.0	002.9000	0038.7	014.7	346.7	000.1170	0065.9	073.8	24.57
201.0	002.9000	0040.0	015.0	346.5	000.1170	0064.6	073.7	24.51
202.0	002.9000	0041.2	015.2	346.2	000.1170	0063.6	073.7	24.46
203.0	002.9000	0041.6	015.3	346.0	000.1170	0063.1	073.7	24.40
204.0	002.9000	0041.8	015.4	345.8	000.1170	0062.9	073.9	24.35
205.0	002.9000	0043.4	015.7	345.5	000.1170	0062.6	073.8	24.36
206.0	002.9000	0046.0	016.2	345.0	000.1170	0062.6	073.6	24.42
207.0	002.9000	0049.6	017.0	344.5	000.1170	0063.3	073.2	24.56
208.0	002.9000	0053.9	017.8	343.9	000.1170	0064.8	072.8	24.75
209.0	002.9000	0057.1	018.4	343.4	000.1170	0066.2	072.6	24.88
210.0	002.9000	0057.6	018.4	343.2	000.1170	0067.0	072.8	24.88
211.0	002.9000	0056.5	018.3	343.1	000.1170	0067.2	073.2	24.81
212.0	002.9000	0055.9	018.2	343.0	000.1170	0067.6	073.5	24.75
213.0	002.9000	0056.3	018.2	342.8	000.1170	0068.6	073.7	24.76
214.0	002.9000	0057.4	018.4	342.5	000.1170	0069.9	073.8	24.80
215.0	002.9000	0058.9	018.7	342.2	000.1170	0071.4	073.9	24.86
216.0	002.9000	0059.9	018.8	342.0	000.1170	0072.5	074.1	24.88
217.0	002.9000	0059.9	018.8	341.8	000.1170	0073.0	074.3	24.84
218.0	002.9000	0059.4	018.7	341.8	000.1170	0073.3	074.7	24.77
219.0	002.9000	0058.5	018.6	341.7	000.1170	0073.4	075.0	24.69
220.0	002.9000	0057.9	018.5	341.6	000.1170	0073.6	075.3	24.61
221.0	002.9000	0057.9	018.5	341.5	000.1170	0073.8	075.6	24.55
222.0	002.9000	0058.8	018.6	341.3	000.1170	0073.8	075.8	24.50
223.0	002.9000	0060.2	018.8	341.1	000.1170	0073.5	076.0	24.43
224.0	002.9000	0061.1	019.0	340.9	000.1170	0072.8	076.2	24.33
225.0	002.9000	0061.7	019.1	340.7	000.1170	0071.9	076.5	24.21
226.0	002.9000	0062.3	019.1	340.5	000.1170	0070.9	076.8	24.09
227.0	002.9000	0063.8	019.4	340.3	000.1170	0069.3	077.0	23.94
228.0	002.9000	0066.2	019.7	340.0	000.1170	0066.8	077.2	23.74
229.0	002.9000	0069.1	020.1	339.6	000.1170	0063.9	077.4	23.53
230.0	002.9000	0071.8	020.5	339.2	000.1170	0061.4	077.6	23.34
231.0	002.9000	0074.1	020.8	339.0	000.1170	0059.8	077.8	23.18