

Vermont Public Radio
365 Troy Avenue Colchester, VT 05446

Vermont Public Radio Barre Vermont 20030317HHV Channel

REFERENCE
44 07 30.0 N.
72 28 28.0 W.

CH# 250D - 97.9 MHz, Pwr= 0.01 kW, HAAT= 190.3 M, COR= 630 M
Average Protected F(50-50)= 7.99 km
Omni-directional

DISPLAY DATES
DATA 02-14-13
SEARCH 02-14-13

CH CITY	CALL	TYPE STATE	ANT --	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
250D Barre	647686	APP _C_ VT		0.0 0.0	0.00 BNPFT20030317HHV	44 07 30.0 72 28 28.0	0.010 190	34.1 630	10.2 Vermont Public Radio	-44.4*	-44.4*
251C2 Rutland	WJJR	LIC _CN VT		205.7 25.5	64.15 BMLH19860411KF	43 36 17.0 72 49 14.0	1.150 790	76.2 1308	51.0 6 Johnson Road Licenses, I	-19.2*<	3.0
249C3 Lyndon	WGMT	LIC DCN VT		42.7 223.1	67.70 BLH19970801KD	44 34 15.0 71 53 40.0	0.600 574	65.6 1008	43.7 Vermont Broadcast Associat	-4.3<	15.0
247D Montpelier	631016	APP _C_ VT		332.8 152.7	16.29 BNPFT20030317HKO	44 15 19.0 72 34 05.0	0.250 -112	1.1 223	7.1 Vermont Public Radio	4.0	9.0
253D Montpelier	631027	APP _C_ VT		332.8 152.7	16.29 BNPFT20030317HKM	44 15 19.0 72 34 05.0	0.250 -112	1.1 223	7.1 Vermont Public Radio	4.0	9.0
250C3 Au Sable	WZXP	LIC _CX NY		298.1 117.2	107.71 BLH20100803ACW	44 34 28.2 73 40 28.9	0.780 315	93.7 621	34.6 Radioactive, Llc	4.5	41.4
252D Montpelier	631512	APP DV_ VT		328.4 148.4	15.59 BNPFT20030312AJT	44 14 40.0 72 34 37.0	0.100 -12	0.0 321	1.6 Radio Vermont Classics, L.	4.9	13.8
247A Jefferson	1033023	APP ____ NH		70.0 250.7	89.08 BSFH20040806AKD	44 23 40.0 71 25 15.0	6.000 100	4.4 711	49.4 Nassau Broadcasting Holdin	79.6	39.5
247A Jefferson	AU3729621	VAC ____ NH		70.0 250.7	89.08 RM9642	44 23 40.0 71 25 15.0	6.000 100	4.4 711	49.4 North Country Radio	79.6	39.5
250B Portland	WJBQ	LIC _CN ME		99.3 280.8	174.37 BLH19861020KA	43 51 06.0 70 19 40.0	16.000 271	125.7 351	64.6 Radio License Holding Cbc,	41.7	76.7
248C3 Bristol	WTNN	LIC _CX VT		300.9 120.4	61.32 BLH20121018AAF	44 24 23.1 73 08 12.8	8.700 157	1.8 291	17.5 Impact Radio, Inc.	50.0	43.6
249D Lebanon	W249AW	LIC ?HN NH		156.7 336.9	60.91 BLFT19881108TF	43 37 17.0 72 10 30.0	0.004 204	10.1 530	7.0 Harvest Broadcasting Assn.	44.5	45.2

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference zone= East Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.
< = Contour Overlap

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 spline interpolation from data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. Critical contour distances are determined 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 interference. Listed antenna heights are the average heights of eight standard radials as found in the Commission's records unless otherwise noted, in which case the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station are used and visa versa. The column labeled **"OUT"** shows the distance in kilometers of overlap or clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing overlap interference.

Under the **"AZIMUTH"** column, the first row of numbers indicate the bearings from True North of the data base stations in relationship with the reference station, while the numbers in the second row indicate the reverse bearings from the database station to the reference station.

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

For I.F. relationships 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. 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".

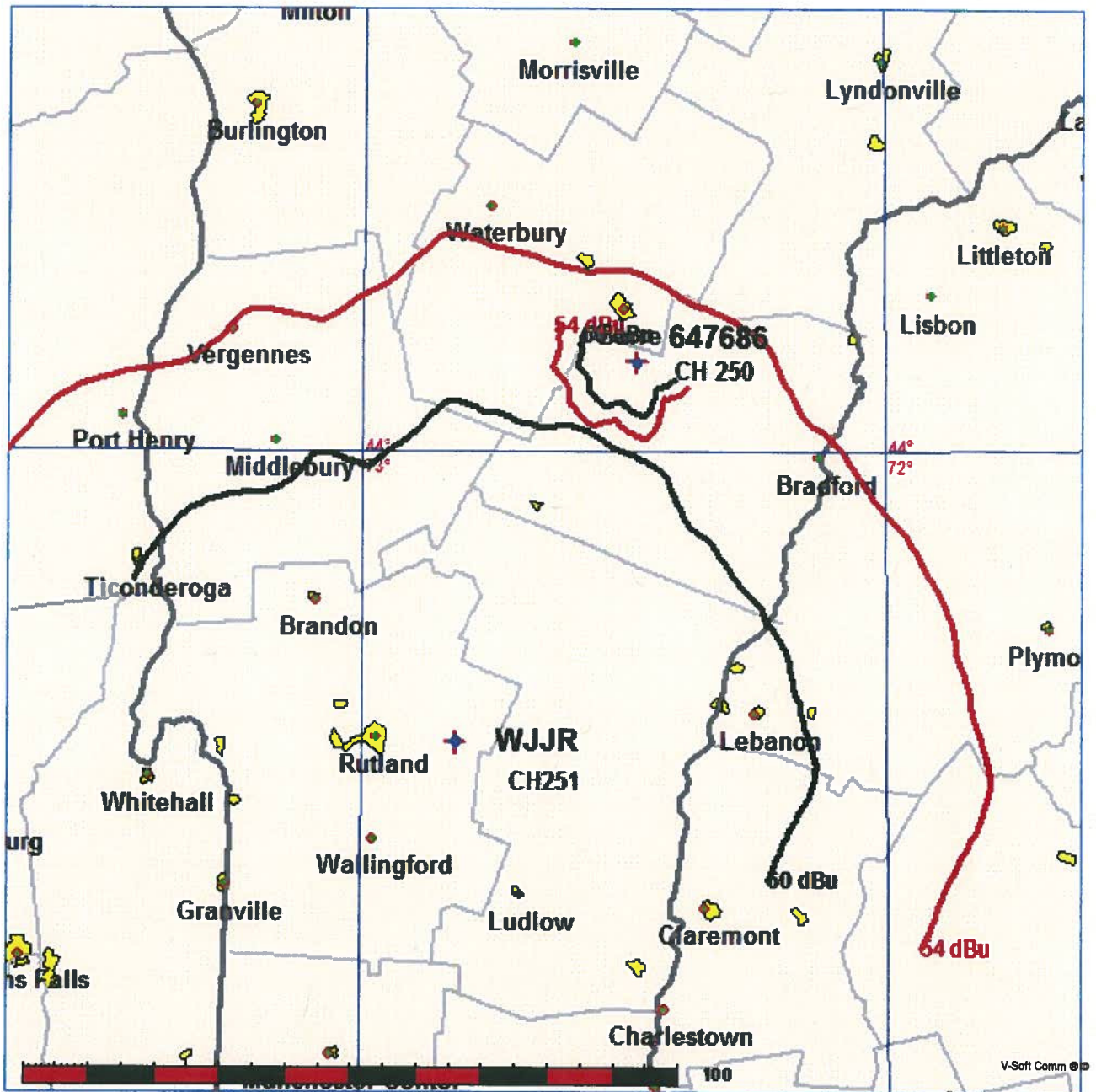
The first three letters of the **"TYPE"** column identify the current FCC status of the stations. The fourth letter will be a **"D"** if the facility is directional. **"Z"** indicates a 73.215 directional. An **"N"** indicates it is a 73.215 station that operates omni. The fifth letter will be an E,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

Vermont Public Radio Barre Vermont 20030317HHV WJJR Map
Vermont Public Radio

FMCommander Single Allocation Study - 08-26-2013 - NGDC 30 SEC
647686's Overlaps (In= -19.17 km, Out= 2.96 km)

647686 CH 250 D
Lat= 44 07 30.0, Lng= 72 28 28.0
0.01 kW 190.3 M HAAT, 630 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WJJR CH 251 C2 BMLH19860411KF
Lat= 43 36 17.0, Lng= 72 49 14.0
1.15 kW 790 M HAAT, 1308 M COR
Prot.= 60 dBu, Intef.= 54 dBu



08-26-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

647686

WJJR BMLH19860411KF

Channel = 250D
 Max ERP = 0.01 kW
 RCAMSL = 630 M
 N. Lat. 44 07 30.0
 W. Lng. 72 28 28.0
 Protected
 60 dBu

Channel = 251C2
 Max ERP = 1.15 kW
 RCAMSL = 1308 M
 N. Lat. 43 36 17.0
 W. Lng. 72 49 14.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
146.0	000.0100	0076.2	005.1	029.6	001.1500	0741.5	061.7	58.40*	14.14
147.0	000.0100	0078.7	005.2	029.6	001.1500	0741.7	061.6	58.44*	14.27
148.0	000.0100	0079.2	005.2	029.6	001.1500	0741.6	061.5	58.47*	14.35
149.0	000.0100	0079.3	005.2	029.5	001.1500	0741.4	061.5	58.49*	14.42
150.0	000.0100	0081.0	005.2	029.5	001.1500	0741.4	061.3	58.53*	14.53
151.0	000.0100	0085.3	005.4	029.6	001.1500	0741.8	061.2	58.59*	14.70
152.0	000.0100	0091.0	005.6	029.7	001.1500	0742.2	061.0	58.65*	14.90
153.0	000.0100	0096.4	005.7	029.8	001.1500	0742.7	060.8	58.72*	15.09
154.0	000.0100	0101.4	005.9	029.9	001.1500	0743.0	060.7	58.78*	15.28
155.0	000.0100	0106.4	006.0	029.9	001.1500	0743.3	060.5	58.84*	15.46
156.0	000.0100	0111.1	006.2	030.0	001.1500	0743.6	060.3	58.91*	15.64
157.0	000.0100	0115.7	006.3	030.0	001.1500	0743.8	060.2	58.96*	15.80
158.0	000.0100	0120.3	006.4	030.0	001.1500	0743.9	060.0	59.02*	15.96
159.0	000.0100	0124.6	006.5	030.0	001.1500	0743.9	059.9	59.07*	16.11
160.0	000.0100	0130.0	006.6	030.0	001.1500	0744.0	059.7	59.13*	16.28
161.0	000.0100	0137.0	006.8	030.1	001.1500	0744.3	059.5	59.20*	16.49
162.0	000.0100	0144.0	007.0	030.1	001.1500	0744.5	059.3	59.27*	16.70
163.0	000.0100	0149.6	007.1	030.2	001.1500	0744.6	059.1	59.34*	16.88
164.0	000.0100	0156.2	007.2	030.2	001.1500	0744.7	058.9	59.41*	17.09
165.0	000.0100	0163.3	007.4	030.2	001.1500	0744.9	058.7	59.48*	17.30
166.0	000.0100	0170.0	007.6	030.2	001.1500	0744.9	058.5	59.56*	17.50
167.0	000.0100	0176.9	007.7	030.3	001.1500	0745.0	058.3	59.63*	17.72
168.0	000.0100	0182.6	007.8	030.2	001.1500	0744.9	058.1	59.70*	17.89
169.0	000.0100	0186.3	007.9	030.2	001.1500	0744.7	058.0	59.75*	18.03
170.0	000.0100	0189.9	008.0	030.1	001.1500	0744.5	057.8	59.80*	18.17
171.0	000.0100	0194.1	008.1	030.1	001.1500	0744.2	057.7	59.85*	18.32
172.0	000.0100	0202.1	008.3	030.1	001.1500	0744.2	057.5	59.93*	18.55
173.0	000.0100	0205.8	008.3	030.0	001.1500	0743.9	057.3	59.98*	18.69
174.0	000.0100	0207.3	008.4	029.9	001.1500	0743.3	057.2	60.02*	18.78
175.0	000.0100	0208.3	008.4	029.8	001.1500	0742.8	057.1	60.05*	18.85
176.0	000.0100	0204.4	008.3	029.7	001.1500	0742.0	057.1	60.04*	18.83
177.0	000.0100	0202.4	008.3	029.5	001.1500	0741.2	057.0	60.05*	18.84
178.0	000.0100	0197.6	008.2	029.3	001.1500	0740.4	057.0	60.03*	18.79
179.0	000.0100	0196.8	008.2	029.2	001.1500	0739.8	057.0	60.04*	18.82
180.0	000.0100	0196.0	008.1	029.1	001.1500	0739.3	056.9	60.06*	18.85
181.0	000.0100	0195.1	008.1	028.9	001.1500	0738.7	056.9	60.07*	18.88

FMOver Analysis

Page #

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
182.0	000.0100	0192.6	008.1	028.8	001.1500	0738.0	056.9	60.07* 18.86
183.0	000.0100	0185.6	007.9	028.6	001.1500	0737.4	056.9	60.03* 18.76
184.0	000.0100	0175.8	007.7	028.4	001.1500	0736.6	057.1	59.97* 18.60
185.0	000.0100	0173.3	007.6	028.2	001.1500	0736.3	057.1	59.97* 18.58
186.0	000.0100	0174.7	007.7	028.1	001.1500	0736.1	057.0	60.00* 18.66
187.0	000.0100	0171.8	007.6	028.0	001.1500	0735.9	057.0	59.99* 18.64
188.0	000.0100	0167.3	007.5	027.8	001.1500	0735.8	057.1	59.97* 18.58
189.0	000.0100	0164.7	007.4	027.7	001.1500	0735.9	057.1	59.97* 18.57
190.0	000.0100	0162.3	007.4	027.5	001.1500	0736.1	057.1	59.96* 18.57
191.0	000.0100	0160.8	007.4	027.4	001.1500	0736.4	057.1	59.97* 18.58
192.0	000.0100	0159.0	007.3	027.3	001.1500	0736.9	057.1	59.97* 18.60
193.0	000.0100	0157.0	007.3	027.1	001.1500	0737.5	057.1	59.98* 18.61
194.0	000.0100	0155.9	007.2	027.0	001.1500	0738.1	057.1	59.99* 18.64
195.0	000.0100	0155.4	007.2	026.9	001.1500	0738.8	057.1	60.00* 18.69
196.0	000.0100	0153.7	007.2	026.7	001.1500	0739.5	057.1	60.00* 18.71
197.0	000.0100	0149.5	007.1	026.6	001.1500	0740.3	057.2	59.99* 18.66
198.0	000.0100	0143.4	006.9	026.5	001.1500	0741.3	057.3	59.95* 18.58
199.0	000.0100	0137.4	006.8	026.3	001.1500	0742.2	057.4	59.92* 18.50
200.0	000.0100	0134.1	006.7	026.2	001.1500	0743.1	057.5	59.91* 18.48
201.0	000.0100	0134.8	006.7	026.1	001.1500	0744.0	057.4	59.93* 18.54
202.0	000.0100	0137.8	006.8	026.0	001.1500	0744.7	057.4	59.97* 18.65
203.0	000.0100	0142.2	006.9	025.9	001.1500	0745.4	057.3	60.02* 18.80
204.0	000.0100	0147.1	007.0	025.7	001.1500	0746.2	057.1	60.07* 18.95
205.0	000.0100	0151.6	007.1	025.6	001.1500	0747.0	057.0	60.12* 19.09
206.0	000.0100	0153.2	007.2	025.5	001.1500	0747.8	057.0	60.14* 19.17
207.0	000.0100	0154.1	007.2	025.4	001.1500	0748.5	057.0	60.16* 19.22
208.0	000.0100	0156.8	007.3	025.2	001.1500	0749.2	056.9	60.19* 19.31
209.0	000.0100	0161.2	007.4	025.1	001.1500	0749.8	056.8	60.23* 19.43
210.0	000.0100	0167.4	007.5	025.0	001.1500	0750.5	056.7	60.29* 19.59
211.0	000.0100	0175.1	007.7	024.8	001.1500	0751.0	056.5	60.35* 19.78
212.0	000.0100	0183.4	007.9	024.7	001.1500	0751.5	056.4	60.42* 19.97
213.0	000.0100	0191.2	008.0	024.5	001.1500	0752.0	056.2	60.48* 20.13
214.0	000.0100	0198.8	008.2	024.3	001.1500	0752.4	056.1	60.53* 20.29
215.0	000.0100	0205.4	008.3	024.2	001.1500	0752.7	055.9	60.58* 20.42
216.0	000.0100	0210.1	008.4	024.0	001.1500	0753.0	055.9	60.61* 20.50
217.0	000.0100	0213.0	008.5	023.8	001.1500	0753.1	055.9	60.62* 20.54
218.0	000.0100	0213.8	008.5	023.7	001.1500	0753.2	055.9	60.61* 20.52
219.0	000.0100	0213.2	008.5	023.5	001.1500	0753.3	055.9	60.60* 20.48
220.0	000.0100	0212.5	008.5	023.4	001.1500	0753.4	056.0	60.58* 20.43
221.0	000.0100	0212.9	008.5	023.3	001.1500	0753.5	056.0	60.57* 20.39
222.0	000.0100	0213.1	008.5	023.1	001.1500	0753.5	056.1	60.55* 20.35
223.0	000.0100	0212.4	008.5	023.0	001.1500	0753.5	056.1	60.53* 20.29
224.0	000.0100	0211.6	008.5	022.8	001.1500	0753.6	056.2	60.50* 20.22
225.0	000.0100	0212.2	008.5	022.7	001.1500	0753.6	056.2	60.49* 20.18
226.0	000.0100	0214.1	008.5	022.5	001.1500	0753.7	056.2	60.48* 20.16
227.0	000.0100	0215.6	008.6	022.4	001.1500	0753.7	056.3	60.47* 20.13
228.0	000.0100	0216.4	008.6	022.2	001.1500	0753.8	056.3	60.46* 20.09
229.0	000.0100	0216.5	008.6	022.1	001.1500	0753.8	056.4	60.43* 20.03
230.0	000.0100	0217.0	008.6	022.0	001.1500	0753.9	056.5	60.41* 19.97
231.0	000.0100	0217.2	008.6	021.8	001.1500	0753.9	056.5	60.39* 19.90
232.0	000.0100	0217.5	008.6	021.7	001.1500	0753.9	056.6	60.36* 19.83

FMOver Analysis

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
233.0	000.0100	0216.8	008.6	021.6	001.1500	0753.8	056.7	60.33* 19.74
234.0	000.0100	0215.8	008.6	021.5	001.1500	0753.7	056.8	60.29* 19.64
235.0	000.0100	0215.5	008.6	021.3	001.1500	0753.6	056.9	60.26* 19.55
236.0	000.0100	0216.6	008.6	021.2	001.1500	0753.4	056.9	60.23* 19.47
237.0	000.0100	0218.8	008.6	021.0	001.1500	0753.1	057.0	60.21* 19.41
238.0	000.0100	0222.4	008.7	020.9	001.1500	0752.6	057.0	60.20* 19.36
239.0	000.0100	0224.6	008.7	020.7	001.1500	0752.1	057.1	60.17* 19.28
240.0	000.0100	0224.0	008.7	020.6	001.1500	0751.6	057.2	60.13* 19.15
241.0	000.0100	0221.1	008.7	020.5	001.1500	0751.2	057.3	60.07* 19.00
242.0	000.0100	0217.5	008.6	020.5	001.1500	0750.9	057.5	60.01* 18.83
243.0	000.0100	0214.2	008.5	020.4	001.1500	0750.6	057.6	59.95* 18.66
244.0	000.0100	0209.7	008.4	020.4	001.1500	0750.3	057.8	59.89* 18.48
245.0	000.0100	0205.1	008.3	020.3	001.1500	0750.1	058.0	59.82* 18.30
246.0	000.0100	0201.4	008.3	020.3	001.1500	0749.8	058.1	59.76* 18.12
247.0	000.0100	0199.7	008.2	020.2	001.1500	0749.3	058.2	59.71* 17.97
248.0	000.0100	0198.2	008.2	020.1	001.1500	0748.8	058.4	59.66* 17.82
249.0	000.0100	0196.5	008.1	020.1	001.1500	0748.3	058.5	59.61* 17.67
250.0	000.0100	0194.0	008.1	020.0	001.1500	0748.0	058.7	59.55* 17.51
251.0	000.0100	0193.1	008.1	020.0	001.1500	0747.5	058.8	59.50* 17.37
252.0	000.0100	0194.1	008.1	019.9	001.1500	0746.7	058.9	59.46* 17.24
253.0	000.0100	0195.6	008.1	019.7	001.1500	0745.9	059.0	59.41* 17.11
254.0	000.0100	0198.1	008.2	019.6	001.1500	0744.9	059.0	59.37* 16.98
255.0	000.0100	0201.4	008.3	019.5	001.1500	0743.6	059.1	59.33* 16.85
256.0	000.0100	0204.6	008.3	019.3	001.1500	0742.4	059.2	59.29* 16.72
257.0	000.0100	0207.4	008.4	019.2	001.1500	0741.3	059.3	59.24* 16.58
258.0	000.0100	0211.1	008.5	019.1	001.1500	0740.0	059.4	59.20* 16.44
259.0	000.0100	0214.8	008.5	018.9	001.1500	0738.6	059.5	59.15* 16.29
260.0	000.0100	0219.6	008.6	018.8	001.1500	0737.1	059.5	59.10* 16.14
261.0	000.0100	0224.4	008.7	018.6	001.1500	0735.5	059.6	59.05* 15.99
262.0	000.0100	0229.8	008.9	018.5	001.1500	0733.7	059.7	59.00* 15.82
263.0	000.0100	0235.9	009.0	018.3	001.1500	0732.0	059.8	58.94* 15.66
264.0	000.0100	0244.2	009.1	018.1	001.1500	0729.8	059.9	58.89* 15.48
265.0	000.0100	0252.5	009.3	017.9	001.1500	0727.6	060.0	58.83* 15.30

08-26-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WJJR BMLH19860411KF

647686

Channel = 251C2

Max ERP = 1.15 kW

RCAMSL = 1308 M

N. Lat. 43 36 17.0

W. Lng. 72 49 14.0

Protected

60 dBu

Channel = 250D

Max ERP = 0.01 kW

RCAMSL = 630 M

N. Lat. 44 07 30.0

W. Lng. 72 28 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)
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FMOver Analysis

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
326.0	001.1500	0634.1	047.2	251.1	000.0100	0193.1	057.0	26.08
327.0	001.1500	0634.0	047.2	251.3	000.0100	0193.3	056.3	26.37
328.0	001.1500	0635.2	047.2	251.6	000.0100	0193.6	055.5	26.68
329.0	001.1500	0639.4	047.4	251.9	000.0100	0194.0	054.8	27.00
330.0	001.1500	0648.1	047.7	252.4	000.0100	0194.7	054.0	27.32
331.0	001.1500	0659.4	048.1	253.0	000.0100	0195.7	053.3	27.64
332.0	001.1500	0669.6	048.4	253.6	000.0100	0197.0	052.5	28.00
333.0	001.1500	0675.2	048.6	254.0	000.0100	0198.0	051.7	28.35
334.0	001.1500	0674.6	048.6	254.1	000.0100	0198.4	050.9	28.70
335.0	001.1500	0666.6	048.3	254.0	000.0100	0197.9	050.0	29.02
336.0	001.1500	0651.9	047.8	253.5	000.0100	0196.7	049.1	29.32
337.0	001.1500	0632.7	047.1	252.8	000.0100	0195.3	048.2	29.60
338.0	001.1500	0612.4	046.4	252.0	000.0100	0194.1	047.4	29.89
339.0	001.1500	0593.5	045.7	251.2	000.0100	0193.1	046.5	30.18
340.0	001.1500	0576.6	045.0	250.4	000.0100	0193.4	045.7	30.52
341.0	001.1500	0561.4	044.4	249.5	000.0100	0195.2	045.0	30.93
342.0	001.1500	0551.7	044.0	249.0	000.0100	0196.6	044.2	31.31
343.0	001.1500	0550.9	043.9	248.8	000.0100	0196.8	043.4	31.66
344.0	001.1500	0557.3	044.2	249.1	000.0100	0196.2	042.7	31.98
345.0	001.1500	0566.6	044.6	249.6	000.0100	0195.1	041.8	32.28
346.0	001.1500	0576.8	045.0	250.0	000.0100	0193.9	041.0	32.60
347.0	001.1500	0587.0	045.4	250.5	000.0100	0193.3	040.2	32.96
348.0	001.1500	0596.4	045.8	250.8	000.0100	0193.1	039.4	33.34
349.0	001.1500	0605.6	046.1	251.2	000.0100	0193.1	038.5	33.74
350.0	001.1500	0613.7	046.4	251.4	000.0100	0193.4	037.7	34.16
351.0	001.1500	0622.7	046.8	251.7	000.0100	0193.8	036.8	34.60
352.0	001.1500	0636.0	047.2	252.3	000.0100	0194.5	035.9	35.08
353.0	001.1500	0652.0	047.8	253.0	000.0100	0195.6	035.0	35.59
354.0	001.1500	0672.7	048.6	253.9	000.0100	0197.8	034.1	36.18
355.0	001.1500	0695.0	049.3	254.9	000.0100	0201.1	033.1	36.84
356.0	001.1500	0716.4	050.0	255.9	000.0100	0204.2	032.1	37.49
357.0	001.1500	0740.2	050.8	257.0	000.0100	0207.3	031.1	38.16
358.0	001.1500	0764.7	051.5	258.0	000.0100	0211.2	030.1	38.90
359.0	001.1500	0775.4	051.9	258.3	000.0100	0212.4	029.2	39.52
000.0	001.1500	0770.4	051.7	257.7	000.0100	0209.7	028.3	39.94
001.0	001.1500	0765.3	051.6	256.9	000.0100	0207.2	027.5	40.38
002.0	001.1500	0756.7	051.3	255.9	000.0100	0204.3	026.7	40.79
003.0	001.1500	0743.6	050.9	254.5	000.0100	0199.5	025.9	41.08
004.0	001.1500	0731.5	050.5	253.0	000.0100	0195.7	025.2	41.41
005.0	001.1500	0726.9	050.4	251.9	000.0100	0194.1	024.5	41.88
006.0	001.1500	0726.5	050.4	251.0	000.0100	0193.1	023.7	42.42
007.0	001.1500	0724.8	050.3	250.0	000.0100	0194.0	022.9	43.03
008.0	001.1500	0721.7	050.2	248.7	000.0100	0197.0	022.2	43.71
009.0	001.1500	0716.3	050.0	247.1	000.0100	0199.5	021.5	44.33
010.0	001.1500	0708.7	049.8	245.3	000.0100	0203.9	021.0	44.98
011.0	001.1500	0703.6	049.6	243.5	000.0100	0212.1	020.4	45.80
012.0	001.1500	0701.1	049.5	241.7	000.0100	0218.4	019.7	46.55
013.0	001.1500	0701.3	049.5	240.1	000.0100	0223.8	019.1	47.29
014.0	001.1500	0700.9	049.5	238.2	000.0100	0222.9	018.5	47.75
015.0	001.1500	0701.5	049.5	236.2	000.0100	0217.0	017.9	48.01

FMOver Analysis

Page #

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
016.0	001.1500	0706.5	049.7	234.4	000.0100	0215.6	017.2	48.51
017.0	001.1500	0716.9	050.1	232.7	000.0100	0217.0	016.4	49.24
018.0	001.1500	0728.6	050.4	230.9	000.0100	0217.2	015.6	49.93
019.0	001.1500	0739.2	050.8	228.7	000.0100	0216.5	014.9	50.28
020.0	001.1500	0747.8	051.0	226.1	000.0100	0214.3	014.2	50.96
021.0	001.1500	0753.0	051.2	223.0	000.0100	0212.3	013.7	51.53
022.0	001.1500	0753.8	051.2	219.5	000.0100	0212.7	013.4	51.97
023.0	001.1500	0753.4	051.2	215.8	000.0100	0209.3	013.2	52.14
024.0	001.1500	0752.9	051.2	211.9	000.0100	0182.9	013.0	51.21
025.0	001.1500	0750.3	051.1	208.0	000.0100	0156.9	013.0	49.80
026.0	001.1500	0744.5	050.9	204.1	000.0100	0147.7	013.2	48.98
027.0	001.1500	0738.1	050.7	200.4	000.0100	0134.0	013.5	47.71
028.0	001.1500	0735.9	050.7	196.8	000.0100	0150.8	013.7	48.57
029.0	001.1500	0739.0	050.8	193.1	000.0100	0157.0	013.8	48.81
030.0	001.1500	0743.8	050.9	189.4	000.0100	0163.6	013.9	49.03
031.0	001.1500	0748.8	051.1	185.8	000.0100	0174.6	014.1	49.38
032.0	001.1500	0753.5	051.2	182.4	000.0100	0191.5	014.4	49.79
033.0	001.1500	0757.9	051.3	179.1	000.0100	0196.7	014.8	49.58
034.0	001.1500	0761.5	051.4	176.1	000.0100	0203.9	015.2	49.70
035.0	001.1500	0763.2	051.5	173.4	000.0100	0206.0	015.7	49.34
036.0	001.1500	0764.1	051.5	171.0	000.0100	0194.4	016.3	48.32
037.0	001.1500	0764.4	051.5	168.9	000.0100	0186.1	017.0	47.40
038.0	001.1500	0762.3	051.5	167.1	000.0100	0177.9	017.7	46.42
039.0	001.1500	0754.6	051.2	166.0	000.0100	0169.8	018.6	45.31
040.0	001.1500	0742.1	050.9	165.3	000.0100	0165.5	019.5	44.30
041.0	001.1500	0727.1	050.4	165.0	000.0100	0163.3	020.5	43.39
042.0	001.1500	0713.2	049.9	164.7	000.0100	0161.5	021.5	42.52
043.0	001.1500	0701.9	049.6	164.4	000.0100	0158.8	022.4	41.65
044.0	001.1500	0693.4	049.3	163.9	000.0100	0155.3	023.3	40.77
045.0	001.1500	0685.1	049.0	163.5	000.0100	0152.4	024.2	39.94
046.0	001.1500	0677.0	048.7	163.1	000.0100	0150.3	025.1	39.17
047.0	001.1500	0670.0	048.5	162.8	000.0100	0148.3	025.9	38.44
048.0	001.1500	0668.5	048.4	162.1	000.0100	0144.6	026.7	37.67
049.0	001.1500	0672.8	048.6	161.1	000.0100	0137.8	027.4	36.76
050.0	001.1500	0680.9	048.8	159.9	000.0100	0129.6	028.1	35.78
051.0	001.1500	0689.2	049.1	158.8	000.0100	0123.9	028.8	34.97
052.0	001.1500	0694.4	049.3	158.0	000.0100	0120.4	029.6	34.28
053.0	001.1500	0695.7	049.4	157.5	000.0100	0118.1	030.4	33.66
054.0	001.1500	0694.8	049.3	157.2	000.0100	0116.5	031.3	33.10
055.0	001.1500	0693.4	049.3	156.9	000.0100	0115.4	032.1	32.58
056.0	001.1500	0692.9	049.3	156.7	000.0100	0114.1	033.0	32.08
057.0	001.1500	0693.9	049.3	156.3	000.0100	0112.7	033.8	31.57
058.0	001.1500	0695.7	049.3	156.0	000.0100	0111.3	034.7	31.06
059.0	001.1500	0697.0	049.4	155.8	000.0100	0110.1	035.5	30.58
060.0	001.1500	0697.6	049.4	155.6	000.0100	0109.3	036.4	30.12
061.0	001.1500	0700.3	049.5	155.3	000.0100	0108.1	037.2	29.64
062.0	001.1500	0706.1	049.7	155.0	000.0100	0106.2	038.1	29.11
063.0	001.1500	0714.2	050.0	154.5	000.0100	0104.0	038.9	28.56
064.0	001.1500	0723.0	050.2	154.1	000.0100	0101.8	039.8	28.00
065.0	001.1500	0731.8	050.5	153.7	000.0100	0099.9	040.7	27.47
066.0	001.1500	0740.0	050.8	153.4	000.0100	0098.3	041.6	26.97

FMOver Analysis

Page #

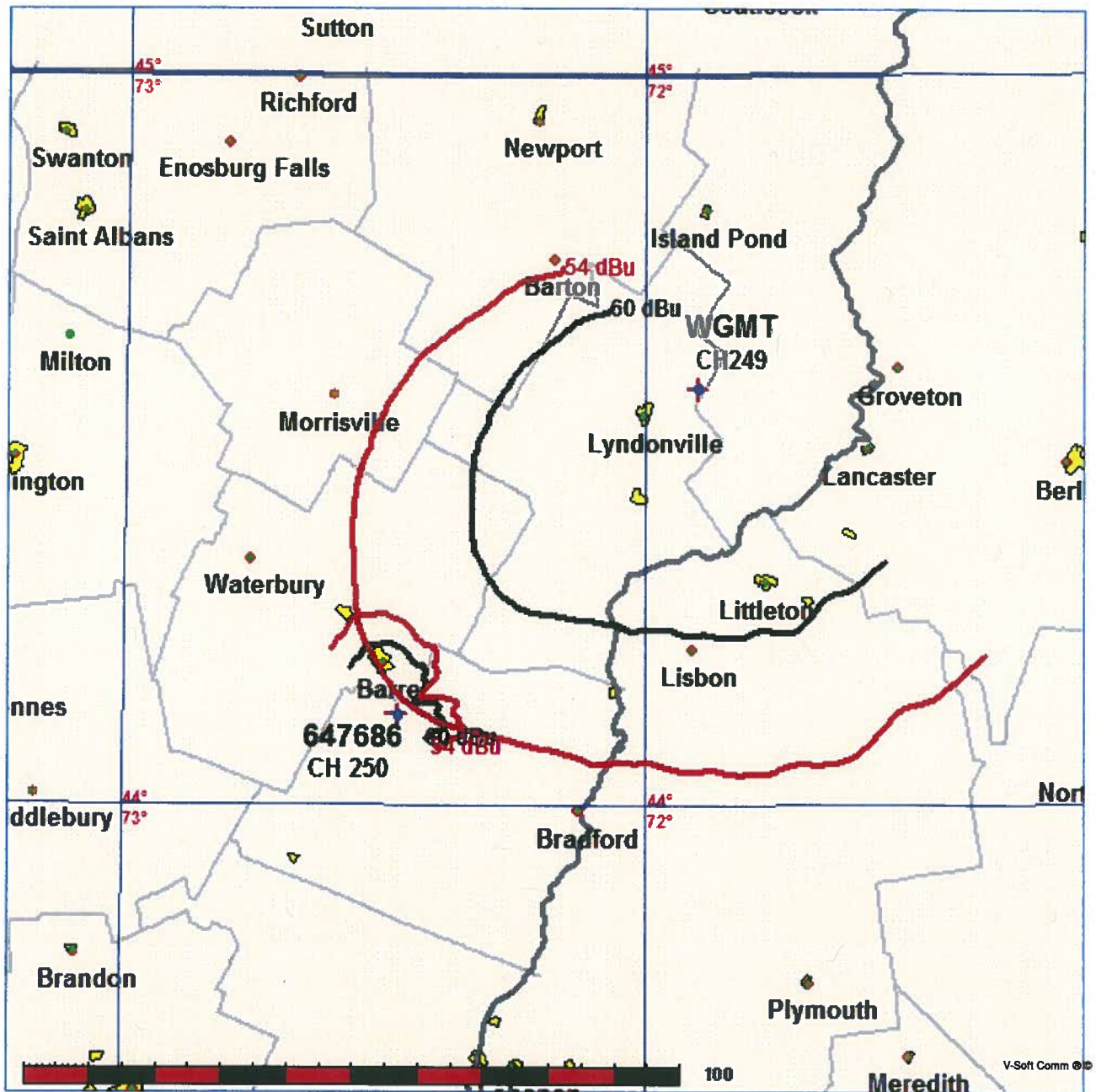
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
067.0	001.1500	0745.9	051.0	153.2	000.0100	0097.4	042.4	26.53
068.0	001.1500	0749.0	051.1	153.2	000.0100	0097.3	043.3	26.15
069.0	001.1500	0750.8	051.1	153.2	000.0100	0097.4	044.2	25.81
070.0	001.1500	0754.2	051.2	153.2	000.0100	0097.4	045.1	25.46
071.0	001.1500	0761.0	051.4	153.1	000.0100	0096.8	046.0	25.06
072.0	001.1500	0770.2	051.7	152.9	000.0100	0095.9	047.0	24.63
073.0	001.1500	0779.6	052.0	152.8	000.0100	0095.2	047.9	24.22
074.0	001.1500	0787.0	052.2	152.7	000.0100	0095.0	048.8	23.86
075.0	001.1500	0792.1	052.3	152.8	000.0100	0095.2	049.8	23.54
076.0	001.1500	0796.0	052.4	152.9	000.0100	0095.8	050.7	23.24
077.0	001.1500	0798.0	052.5	153.1	000.0100	0096.7	051.6	22.97
078.0	001.1500	0798.4	052.5	153.3	000.0100	0097.9	052.5	22.73
079.0	001.1500	0797.9	052.5	153.6	000.0100	0099.3	053.4	22.49
080.0	001.1500	0796.5	052.5	153.9	000.0100	0100.8	054.2	22.27
081.0	001.1500	0796.6	052.5	154.2	000.0100	0102.1	055.1	22.02
082.0	001.1500	0801.7	052.6	154.3	000.0100	0102.8	056.0	21.73
083.0	001.1500	0811.2	052.9	154.3	000.0100	0103.1	057.0	21.38
084.0	001.1500	0820.7	053.1	154.4	000.0100	0103.4	057.9	21.05
085.0	001.1500	0826.1	053.3	154.6	000.0100	0104.3	058.9	20.77

Vermont Public Radio Barre Vermont 20030317HHV WGMT Map
Vermont Public Radio

FMCommander Single Allocation Study - 08-26-2013 - NGDC 30 SEC
647686's Overlaps (In= -4.28 km, Out= 14.97 km)

647686 CH 250 D
Lat= 44 07 30.0, Lng= 72 28 28.0
0.01 kW 190.3 M HAAT, 630 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WGMT CH 249 C3 DA BLH19970801KD
Lat= 44 34 15.0, Lng= 71 53 40.0
0.6 kW 574 M HAAT, 1008 M COR
Prot.= 60 dBu, Intef.= 54 dBu



08-26-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

647686

WGMT BLH19970801KD

Channel = 250D
 Max ERP = 0.01 kW
 RCAMSL = 630 M
 N. Lat. 44 07 30.0
 W. Lng. 72 28 28.0
 Protected
 60 dBu

Channel = 249C3
 Max ERP = 0.6 kW
 RCAMSL = 1008 M
 N. Lat. 44 34 15.0
 W. Lng. 71 53 40.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
343.0	000.0100	0360.8	011.1	231.9	000.6000	0686.1	062.8	54.49*	1.49
344.0	000.0100	0356.7	011.0	231.8	000.6000	0686.6	062.7	54.55*	1.67
345.0	000.0100	0352.9	011.0	231.7	000.6000	0687.2	062.5	54.61*	1.85
346.0	000.0100	0351.3	010.9	231.6	000.6000	0687.7	062.4	54.67*	2.03
347.0	000.0100	0351.8	010.9	231.5	000.6000	0688.0	062.2	54.73*	2.22
348.0	000.0100	0353.8	011.0	231.4	000.6000	0688.3	062.0	54.80*	2.41
349.0	000.0100	0356.0	011.0	231.4	000.6000	0688.5	061.8	54.86*	2.61
350.0	000.0100	0355.6	011.0	231.3	000.6000	0689.0	061.7	54.93*	2.80
351.0	000.0100	0353.3	011.0	231.2	000.6000	0689.6	061.5	54.99*	2.97
352.0	000.0100	0350.9	010.9	231.1	000.6000	0690.2	061.4	55.04*	3.14
353.0	000.0100	0348.5	010.9	230.9	000.6000	0690.9	061.2	55.10*	3.31
354.0	000.0100	0345.1	010.8	230.8	000.6000	0691.6	061.1	55.15*	3.47
355.0	000.0100	0338.1	010.7	230.6	000.6000	0692.5	061.0	55.20*	3.60
356.0	000.0100	0329.8	010.6	230.4	000.6000	0693.5	060.9	55.24*	3.72
357.0	000.0100	0322.1	010.5	230.2	000.6000	0694.5	060.9	55.28*	3.83
358.0	000.0100	0316.9	010.4	230.0	000.6000	0695.4	060.8	55.32*	3.96
359.0	000.0100	0311.9	010.3	229.9	000.6000	0696.3	060.7	55.36*	4.09
000.0	000.0100	0306.9	010.2	229.7	000.6000	0697.2	060.6	55.41*	4.21
001.0	000.0100	0301.9	010.2	229.6	000.6000	0698.1	060.5	55.45*	4.33
002.0	000.0100	0296.8	010.1	229.4	000.6000	0699.0	060.4	55.48*	4.45
003.0	000.0100	0291.9	010.0	229.2	000.6000	0700.0	060.3	55.52*	4.56
004.0	000.0100	0287.6	009.9	229.0	000.6000	0700.9	060.3	55.56*	4.67
005.0	000.0100	0283.7	009.9	228.9	000.6000	0701.7	060.2	55.59*	4.77
006.0	000.0100	0279.0	009.8	228.7	000.6000	0702.6	060.1	55.62*	4.86
007.0	000.0100	0272.2	009.7	228.5	000.6000	0703.6	060.1	55.64*	4.93
008.0	000.0100	0263.6	009.5	228.3	000.6000	0704.6	060.1	55.65*	4.96
009.0	000.0100	0254.8	009.3	228.1	000.6000	0705.7	060.2	55.66*	4.98
010.0	000.0100	0246.5	009.2	227.9	000.6000	0706.7	060.2	55.66*	5.00
011.0	000.0100	0238.1	009.0	227.7	000.6000	0707.7	060.2	55.67*	5.01
012.0	000.0100	0229.4	008.8	227.4	000.6000	0708.8	060.3	55.66*	5.00
013.0	000.0100	0221.5	008.7	227.2	000.6000	0709.7	060.3	55.66*	5.00
014.0	000.0100	0213.6	008.5	227.0	000.6000	0710.7	060.4	55.65*	4.98
015.0	000.0100	0206.6	008.4	226.8	000.6000	0711.4	060.4	55.64*	4.96
016.0	000.0100	0202.4	008.3	226.7	000.6000	0712.0	060.4	55.65*	4.98
017.0	000.0100	0199.6	008.2	226.5	000.6000	0712.6	060.4	55.66*	5.02
018.0	000.0100	0195.1	008.1	226.4	000.6000	0713.1	060.4	55.66*	5.02

FMOver Analysis

Page #

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
019.0	000.0100	0191.4	008.0	226.2	000.6000	0713.6	060.4	55.67* 5.04
020.0	000.0100	0189.7	008.0	226.1	000.6000	0714.1	060.4	55.68* 5.08
021.0	000.0100	0188.8	008.0	225.9	000.6000	0714.5	060.4	55.70* 5.14
022.0	000.0100	0188.2	008.0	225.8	000.6000	0714.9	060.3	55.72* 5.20
023.0	000.0100	0188.4	008.0	225.7	000.6000	0715.2	060.3	55.75* 5.28
024.0	000.0100	0189.8	008.0	225.6	000.6000	0715.5	060.2	55.78* 5.37
025.0	000.0100	0192.2	008.1	225.5	000.6000	0715.8	060.1	55.82* 5.48
026.0	000.0100	0195.4	008.1	225.4	000.6000	0716.1	060.0	55.86* 5.60
027.0	000.0100	0198.0	008.2	225.3	000.6000	0716.3	059.9	55.90* 5.71
028.0	000.0100	0198.5	008.2	225.1	000.6000	0716.5	059.8	55.92* 5.77
029.0	000.0100	0196.3	008.1	225.0	000.6000	0716.8	059.8	55.92* 5.78
030.0	000.0100	0193.1	008.1	224.8	000.6000	0717.0	059.9	55.91* 5.75
031.0	000.0100	0190.0	008.0	224.7	000.6000	0717.1	059.9	55.90* 5.72
032.0	000.0100	0186.8	007.9	224.6	000.6000	0717.2	059.9	55.89* 5.70
033.0	000.0100	0181.2	007.8	224.4	000.6000	0717.3	060.0	55.86* 5.61
034.0	000.0100	0171.7	007.6	224.2	000.6000	0717.4	060.2	55.80* 5.43
035.0	000.0100	0159.1	007.3	224.1	000.6000	0717.5	060.5	55.71* 5.17
036.0	000.0100	0146.0	007.0	223.9	000.6000	0717.4	060.8	55.60* 4.87
037.0	000.0100	0134.6	006.7	223.8	000.6000	0717.3	061.0	55.52* 4.61
038.0	000.0100	0127.2	006.6	223.6	000.6000	0717.1	061.2	55.46* 4.45
039.0	000.0100	0124.5	006.5	223.5	000.6000	0717.0	061.2	55.44* 4.39
040.0	000.0100	0123.9	006.5	223.4	000.6000	0716.8	061.2	55.44* 4.38
041.0	000.0100	0123.2	006.5	223.3	000.6000	0716.7	061.2	55.43* 4.36
042.0	000.0100	0121.7	006.4	223.2	000.6000	0716.5	061.3	55.42* 4.32
043.0	000.0100	0119.8	006.4	223.1	000.6000	0716.2	061.3	55.40* 4.27
044.0	000.0100	0116.9	006.3	223.0	000.6000	0716.0	061.4	55.37* 4.19
045.0	000.0100	0112.4	006.2	222.9	000.6000	0715.8	061.5	55.33* 4.06
046.0	000.0100	0105.9	006.0	222.8	000.6000	0715.6	061.7	55.26* 3.86
047.0	000.0100	0096.8	005.8	222.7	000.6000	0715.5	062.0	55.17* 3.58
048.0	000.0100	0085.5	005.4	222.7	000.6000	0715.3	062.3	55.04* 3.20
049.0	000.0100	0071.8	004.9	222.6	000.6000	0715.2	062.8	54.88* 2.73
050.0	000.0100	0056.1	004.4	222.6	000.6000	0715.2	063.4	54.70* 2.17
051.0	000.0100	0041.2	003.7	222.7	000.6000	0715.3	064.0	54.48* 1.49
052.0	000.0100	0030.9	003.2	222.7	000.6000	0715.3	064.5	54.31* 0.99
053.0	000.0100	0025.7	003.2	222.6	000.6000	0715.2	064.6	54.30* 0.93
054.0	000.0100	0023.3	003.2	222.6	000.6000	0715.1	064.6	54.29* 0.92
055.0	000.0100	0021.8	003.2	222.5	000.6000	0715.0	064.6	54.29* 0.90
056.0	000.0100	0023.1	003.2	222.5	000.6000	0714.9	064.6	54.28* 0.88
057.0	000.0100	0026.6	003.2	222.4	000.6000	0714.8	064.6	54.28* 0.86
058.0	000.0100	0031.0	003.2	222.4	000.6000	0714.6	064.6	54.28* 0.89
059.0	000.0100	0033.7	003.3	222.3	000.6000	0714.4	064.5	54.32* 0.99
060.0	000.0100	0035.4	003.4	222.2	000.6000	0714.2	064.5	54.33* 1.04
061.0	000.0100	0038.2	003.5	222.1	000.6000	0714.0	064.3	54.36* 1.14
062.0	000.0100	0043.5	003.8	222.0	000.6000	0713.6	064.1	54.43* 1.35
063.0	000.0100	0048.4	004.0	221.9	000.6000	0713.1	063.9	54.49* 1.52
064.0	000.0100	0052.4	004.2	221.8	000.6000	0712.7	063.8	54.53* 1.65
065.0	000.0100	0054.9	004.3	221.7	000.6000	0712.4	063.7	54.55* 1.70
066.0	000.0100	0057.8	004.4	221.6	000.6000	0712.0	063.6	54.57* 1.76
067.0	000.0100	0062.4	004.6	221.4	000.6000	0711.6	063.5	54.60* 1.86
068.0	000.0100	0067.9	004.8	221.3	000.6000	0711.1	063.4	54.64* 1.97
069.0	000.0100	0073.6	005.0	221.1	000.6000	0710.6	063.3	54.67* 2.08

FMOver Analysis

Page #

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
070.0	000.0100	0078.8	005.2	221.0	000.6000	0710.0	063.1	54.70* 2.17
071.0	000.0100	0084.8	005.4	220.8	000.6000	0709.3	063.0	54.73* 2.27
072.0	000.0100	0091.0	005.6	220.7	000.6000	0708.6	062.9	54.76* 2.36
073.0	000.0100	0096.7	005.7	220.5	000.6000	0707.9	062.8	54.79* 2.43
074.0	000.0100	0101.7	005.9	220.3	000.6000	0707.2	062.7	54.80* 2.47
075.0	000.0100	0106.8	006.0	220.2	000.6000	0706.4	062.7	54.81* 2.50
076.0	000.0100	0112.2	006.2	220.0	000.6000	0705.4	062.6	54.82* 2.53
077.0	000.0100	0118.6	006.4	219.9	000.6000	0704.4	062.5	54.83* 2.55
078.0	000.0100	0124.6	006.5	219.7	000.6000	0703.5	062.5	54.83* 2.55
079.0	000.0100	0129.2	006.6	219.5	000.6000	0702.6	062.5	54.82* 2.52
080.0	000.0100	0129.8	006.6	219.5	000.6000	0702.1	062.6	54.80* 2.44
081.0	000.0100	0127.5	006.6	219.4	000.6000	0701.8	062.7	54.75* 2.31
082.0	000.0100	0121.9	006.4	219.4	000.6000	0701.8	062.8	54.70* 2.14
083.0	000.0100	0117.5	006.3	219.4	000.6000	0701.7	063.0	54.65* 1.99
084.0	000.0100	0112.4	006.2	219.4	000.6000	0701.8	063.2	54.59* 1.82
085.0	000.0100	0108.4	006.1	219.4	000.6000	0701.8	063.3	54.54* 1.66
086.0	000.0100	0106.6	006.0	219.4	000.6000	0701.6	063.4	54.50* 1.54
087.0	000.0100	0106.2	006.0	219.3	000.6000	0701.3	063.5	54.47* 1.44
088.0	000.0100	0107.4	006.1	219.2	000.6000	0700.7	063.6	54.44* 1.36
089.0	000.0100	0108.6	006.1	219.2	000.6000	0700.1	063.6	54.41* 1.28
090.0	000.0100	0110.0	006.1	219.1	000.6000	0699.4	063.7	54.39* 1.20
091.0	000.0100	0115.1	006.3	218.9	000.6000	0698.4	063.7	54.37* 1.15
092.0	000.0100	0120.2	006.4	218.8	000.6000	0697.4	063.7	54.35* 1.10
093.0	000.0100	0125.3	006.5	218.6	000.6000	0696.4	063.7	54.33* 1.03
094.0	000.0100	0130.6	006.6	218.5	000.6000	0695.2	063.8	54.31* 0.96
095.0	000.0100	0133.7	006.7	218.4	000.6000	0694.3	063.8	54.28* 0.87
096.0	000.0100	0134.7	006.7	218.3	000.6000	0693.7	063.9	54.24* 0.75
097.0	000.0100	0136.3	006.8	218.2	000.6000	0693.0	064.0	54.21* 0.65
098.0	000.0100	0138.5	006.8	218.1	000.6000	0692.3	064.1	54.17* 0.54
099.0	000.0100	0143.9	006.9	218.0	000.6000	0691.1	064.1	54.14* 0.45
100.0	000.0100	0150.8	007.1	217.8	000.6000	0689.6	064.1	54.11* 0.35
101.0	000.0100	0160.7	007.3	217.5	000.6000	0687.4	064.1	54.08* 0.26
102.0	000.0100	0167.5	007.5	217.4	000.6000	0685.8	064.2	54.05* 0.14

08-26-2013

Terrain Data: NGDC 30 SEC

FMOver Analysis

WGMT BLH19970801KD

647686

Channel = 249C3

Max ERP = 0.6 kW

RCAMSL = 1008 M

N. Lat. 44 34 15.0

W. Lng. 71 53 40.0

Protected

60 dBu

Channel = 250D

Max ERP = 0.01 kW

RCAMSL = 630 M

N. Lat. 44 07 30.0

W. Lng. 72 28 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)
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FMOver Analysis

Page #

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
163.0	000.6000	0567.3	038.8	077.5	000.0100	0121.8	058.9	21.79
164.0	000.6000	0559.1	038.5	077.3	000.0100	0120.3	058.2	21.98
165.0	000.6000	0553.0	038.2	077.1	000.0100	0119.0	057.5	22.16
166.0	000.6000	0549.9	038.1	077.0	000.0100	0118.4	056.8	22.38
167.0	000.6000	0551.3	038.2	077.0	000.0100	0118.8	056.2	22.66
168.0	000.6000	0555.3	038.3	077.2	000.0100	0119.9	055.5	22.97
169.0	000.6000	0558.4	038.4	077.3	000.0100	0120.6	054.8	23.27
170.0	000.6000	0560.0	038.5	077.4	000.0100	0120.9	054.2	23.54
171.0	000.6000	0559.2	038.5	077.3	000.0100	0120.5	053.5	23.78
172.0	000.6000	0556.3	038.4	077.1	000.0100	0119.4	052.9	23.98
173.0	000.6000	0554.8	038.3	077.0	000.0100	0118.6	052.2	24.19
174.0	000.6000	0553.8	038.3	076.9	000.0100	0117.8	051.5	24.40
175.0	000.6000	0550.5	038.1	076.6	000.0100	0116.3	050.9	24.57
176.0	000.6000	0547.1	038.0	076.4	000.0100	0114.6	050.3	24.71
177.0	000.6000	0541.9	037.8	076.0	000.0100	0112.3	049.6	24.80
178.0	000.6000	0536.7	037.5	075.6	000.0100	0109.9	049.0	24.88
179.0	000.6000	0535.7	037.5	075.4	000.0100	0108.8	048.4	25.04
180.0	000.6000	0537.8	037.6	075.3	000.0100	0108.4	047.8	25.27
181.0	000.6000	0540.2	037.7	075.2	000.0100	0107.9	047.1	25.49
182.0	000.6000	0542.2	037.8	075.1	000.0100	0107.3	046.5	25.70
183.0	000.6000	0541.3	037.7	074.8	000.0100	0105.9	045.8	25.84
184.0	000.6000	0539.2	037.7	074.5	000.0100	0104.0	045.2	25.93
185.0	000.6000	0534.8	037.5	073.9	000.0100	0101.4	044.7	25.95
186.0	000.6000	0530.5	037.3	073.4	000.0100	0098.8	044.2	25.95
187.0	000.6000	0527.6	037.2	072.9	000.0100	0096.3	043.6	25.96
188.0	000.6000	0527.2	037.1	072.6	000.0100	0094.2	043.0	26.01
189.0	000.6000	0530.3	037.3	072.3	000.0100	0093.0	042.4	26.17
190.0	000.6000	0533.9	037.4	072.1	000.0100	0091.8	041.7	26.32
191.0	000.6000	0535.2	037.5	071.8	000.0100	0089.6	041.1	26.35
192.0	000.6000	0535.6	037.5	071.3	000.0100	0086.9	040.6	26.33
193.0	000.6000	0540.8	037.7	071.1	000.0100	0085.6	039.9	26.49
194.0	000.6000	0547.8	038.0	071.0	000.0100	0084.7	039.2	26.69
195.0	000.6000	0554.3	038.3	070.8	000.0100	0083.3	038.5	26.85
196.0	000.6000	0557.4	038.4	070.3	000.0100	0080.8	037.9	26.85
197.0	000.6000	0558.0	038.4	069.8	000.0100	0077.5	037.3	26.73
198.0	000.6000	0556.1	038.3	069.0	000.0100	0073.9	036.8	26.53
199.0	000.6000	0554.4	038.3	068.3	000.0100	0069.8	036.4	26.27
200.0	000.6000	0555.2	038.3	067.6	000.0100	0065.8	035.8	26.03
201.0	000.6000	0558.5	038.4	067.1	000.0100	0062.7	035.3	25.90
202.0	000.6000	0562.2	038.6	066.5	000.0100	0059.8	034.7	25.78
203.0	000.6000	0566.0	038.7	065.8	000.0100	0057.1	034.1	25.66
204.0	000.6000	0571.0	038.9	065.2	000.0100	0055.3	033.5	25.65
205.0	000.6000	0577.4	039.1	064.5	000.0100	0053.8	032.9	25.67
206.0	000.6000	0585.1	039.4	063.9	000.0100	0052.0	032.3	25.66
207.0	000.6000	0592.5	039.7	063.2	000.0100	0049.3	031.7	25.47
208.0	000.6000	0599.3	039.9	062.4	000.0100	0045.8	031.1	25.10
209.0	000.6000	0606.0	040.1	061.6	000.0100	0041.2	030.5	24.46
210.0	000.6000	0613.1	040.4	060.7	000.0100	0037.0	029.9	23.85
211.0	000.6000	0620.0	040.6	059.7	000.0100	0035.0	029.4	23.70
212.0	000.6000	0627.8	040.8	058.7	000.0100	0033.2	028.8	23.59

FMOver Analysis

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
213.0	000.6000	0638.1	041.2	057.7	000.0100	0030.1	028.2	23.21
214.0	000.6000	0649.8	041.6	056.7	000.0100	0025.3	027.5	23.56
215.0	000.6000	0661.4	042.0	055.6	000.0100	0022.2	026.9	23.93
216.0	000.6000	0672.1	042.3	054.4	000.0100	0022.6	026.3	24.29
217.0	000.6000	0682.3	042.6	053.0	000.0100	0025.6	025.8	24.63
218.0	000.6000	0691.4	042.9	051.6	000.0100	0034.5	025.3	26.01
219.0	000.6000	0699.0	043.2	050.0	000.0100	0055.5	024.9	30.48
220.0	000.6000	0705.3	043.4	048.4	000.0100	0080.4	024.6	33.85
221.0	000.6000	0710.1	043.5	046.7	000.0100	0099.9	024.4	36.05
222.0	000.6000	0713.5	043.7	044.9	000.0100	0112.9	024.2	37.29
223.0	000.6000	0716.0	043.7	043.1	000.0100	0119.5	024.1	37.85
224.0	000.6000	0717.4	043.8	041.3	000.0100	0122.8	024.1	38.09
225.0	000.6000	0716.8	043.8	039.5	000.0100	0124.2	024.1	38.12
226.0	000.6000	0714.3	043.7	037.7	000.0100	0128.9	024.3	38.32
227.0	000.6000	0710.8	043.6	036.0	000.0100	0145.9	024.5	39.27
228.0	000.6000	0706.0	043.4	034.4	000.0100	0167.4	024.8	40.35
229.0	000.6000	0701.2	043.3	032.8	000.0100	0182.8	025.2	40.87
230.0	000.6000	0695.7	043.1	031.3	000.0100	0189.2	025.6	40.88
231.0	000.6000	0690.6	042.9	029.8	000.0100	0193.6	026.0	40.79
232.0	000.6000	0685.5	042.8	028.4	000.0100	0197.8	026.4	40.67
233.0	000.6000	0681.0	042.6	027.1	000.0100	0198.3	026.9	40.39
234.0	000.6000	0677.3	042.5	025.8	000.0100	0194.8	027.3	39.94
235.0	000.6000	0674.9	042.4	024.6	000.0100	0190.9	027.8	39.49
236.0	000.5744	0674.1	042.0	023.7	000.0100	0189.3	028.5	38.93
237.0	000.5493	0674.4	041.6	023.0	000.0100	0188.4	029.2	38.44
238.0	000.5248	0675.5	041.2	022.2	000.0100	0188.1	030.0	37.98
239.0	000.5008	0676.2	040.8	021.6	000.0100	0188.3	030.7	37.55
240.0	000.4774	0676.3	040.3	021.1	000.0100	0188.7	031.5	37.13
241.0	000.4589	0676.4	040.0	020.5	000.0100	0189.3	032.2	36.76
242.0	000.4407	0676.5	039.6	020.0	000.0100	0189.7	033.0	36.39
243.0	000.4229	0677.3	039.3	019.5	000.0100	0190.3	033.7	36.04
244.0	000.4054	0678.8	038.9	019.1	000.0100	0191.1	034.4	35.71
245.0	000.3883	0681.9	038.6	018.7	000.0100	0192.4	035.1	35.41
246.0	000.3716	0686.0	038.4	018.2	000.0100	0194.0	035.8	35.14
247.0	000.3553	0690.4	038.1	017.9	000.0100	0195.7	036.4	34.88
248.0	000.3393	0695.2	037.8	017.5	000.0100	0197.4	037.1	34.62
249.0	000.3237	0698.9	037.5	017.3	000.0100	0198.6	037.8	34.33
250.0	000.3085	0701.4	037.1	017.1	000.0100	0199.3	038.6	34.01
251.0	000.2965	0702.3	036.8	016.9	000.0100	0199.9	039.3	33.70
252.0	000.2848	0703.2	036.5	016.8	000.0100	0200.4	040.0	33.38
253.0	000.2734	0704.1	036.1	016.6	000.0100	0200.8	040.7	33.07
254.0	000.2622	0705.3	035.8	016.6	000.0100	0201.0	041.4	32.75
255.0	000.2512	0706.8	035.5	016.5	000.0100	0201.1	042.1	32.44
256.0	000.2404	0708.5	035.1	016.5	000.0100	0201.2	042.8	32.13
257.0	000.2299	0708.2	034.7	016.5	000.0100	0201.0	043.6	31.80
258.0	000.2196	0706.4	034.2	016.7	000.0100	0200.7	044.3	31.46
259.0	000.2096	0703.6	033.7	016.9	000.0100	0200.1	045.1	31.11
260.0	000.1998	0702.4	033.3	017.0	000.0100	0199.5	045.8	30.78
261.0	000.1919	0703.8	033.0	017.0	000.0100	0199.4	046.5	30.50
262.0	000.1843	0705.6	032.7	017.1	000.0100	0199.3	047.1	30.23
263.0	000.1768	0706.8	032.3	017.2	000.0100	0199.0	047.8	29.95

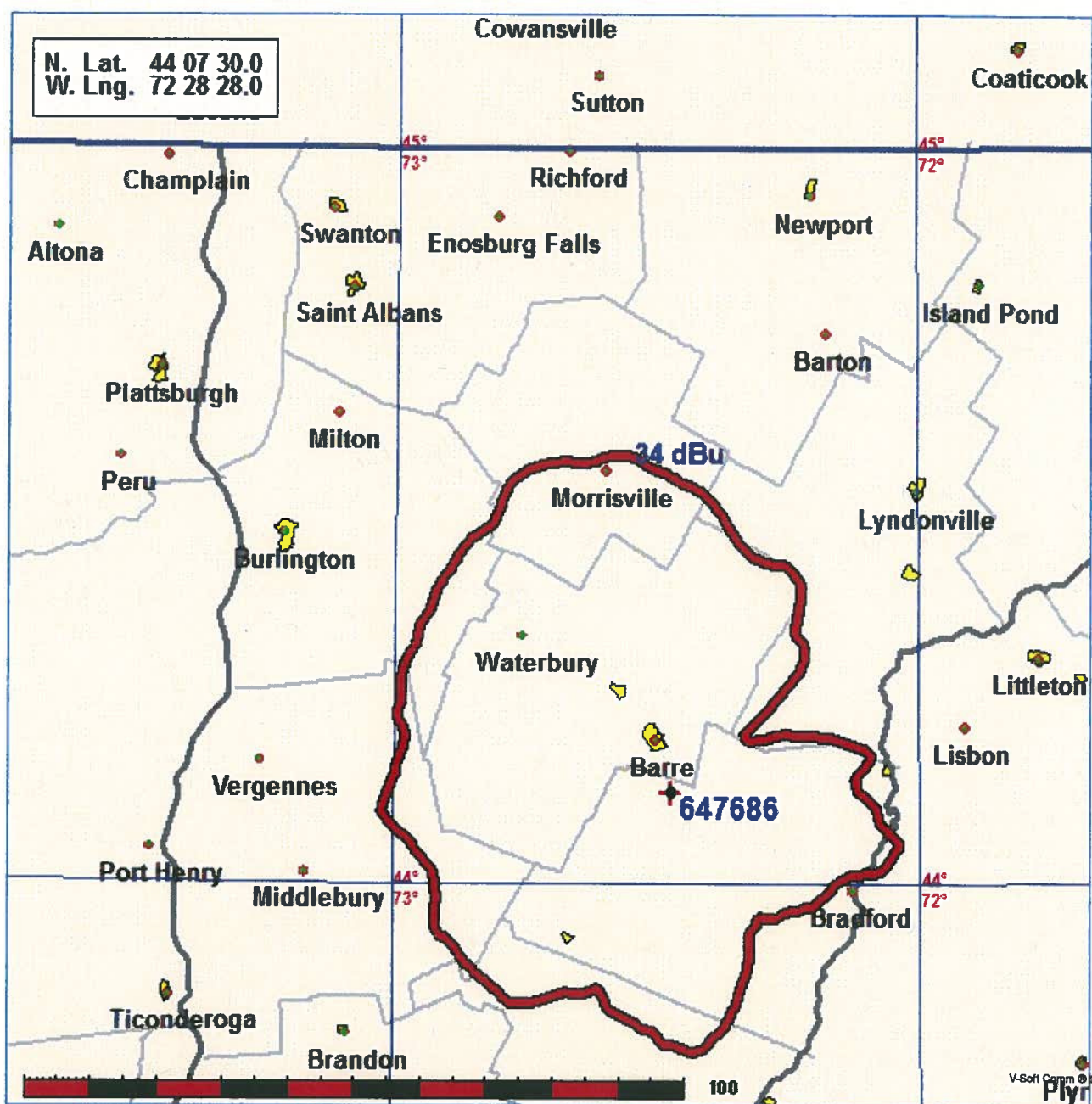
FMOver Analysis

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
264.0	000.1694	0706.5	031.9	017.3	000.0100	0198.3	048.4	29.66
265.0	000.1622	0704.9	031.5	017.5	000.0100	0197.5	049.1	29.36
266.0	000.1552	0704.0	031.1	017.7	000.0100	0196.7	049.8	29.07
267.0	000.1483	0703.4	030.8	017.8	000.0100	0195.9	050.4	28.78
268.0	000.1416	0703.0	030.4	018.0	000.0100	0195.0	051.0	28.49
269.0	000.1350	0701.7	030.0	018.2	000.0100	0194.1	051.7	28.21
270.0	000.1286	0699.9	029.6	018.4	000.0100	0193.1	052.3	27.92
271.0	000.1236	0698.2	029.3	018.6	000.0100	0192.6	052.9	27.67
272.0	000.1186	0697.3	029.0	018.8	000.0100	0192.1	053.4	27.42
273.0	000.1137	0698.9	028.7	018.9	000.0100	0191.7	054.0	27.19
274.0	000.1090	0699.7	028.4	019.0	000.0100	0191.4	054.6	26.96
275.0	000.1043	0700.6	028.1	019.2	000.0100	0191.0	055.1	26.73
276.0	000.0998	0700.1	027.8	019.4	000.0100	0190.6	055.6	26.50
277.0	000.0953	0695.3	027.4	019.6	000.0100	0190.2	056.2	26.27
278.0	000.0910	0691.0	027.0	019.9	000.0100	0189.8	056.8	26.05
279.0	000.0867	0685.6	026.6	020.2	000.0100	0189.5	057.3	25.83
280.0	000.0826	0678.1	026.2	020.6	000.0100	0189.3	057.8	25.62
281.0	000.0793	0671.4	025.8	020.8	000.0100	0189.0	058.3	25.42
282.0	000.0761	0665.1	025.4	021.1	000.0100	0188.7	058.8	25.21

Vermont Public Radio Barre Vermont 20030317HHV Canda_34dBu
Vermont Public Radio

Coverage Study - NGDC 30 SEC
08-26-2013

647686 CH250 D , 0.01 kW, 190.3M HAAT, 630.0M COR AMSL
Service Contour = 34 dBu. Population = 101,152



Protected zones report for 647686 on channel 250D 08-26-2013
Lat. 44 07 30.0 Lng. 72 28 28.0, ERP= 0.01 kw, HAAT= 190.3M

The translator's 34 dBu F(50-10) contour does not touch Canada.

Facility is okay with respect to AM station towers.

Closest AM Facility is WSNO, BARRE, VT, L, ND1 at 337.6° at a distance of 8.4 km

Facility is okay with respect to FCC monitoring stations.

Closest FCC Monitoring Station is 273.1 km= Belfast, ME

Facility is okay toward West Virginia Quiet Zone. Distance to center = 868.7 km

Facility is okay toward Table Mountain. Distance to Center = 2745.1 km, Azimuth = 272.1 Degrees True