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Contour-to-Contour Tabular Allocations Study

Vermont Public Radio

REFERENCE 43 26 15.0 N. CH# 201B - 88.1 MHz, Pwr= 1.6 kW DA, HAAT= 686.2 M, COR= 972.5 M DISPLAY DATES
72 27 08.0 W. Average Protected F(50-50)= 52.24 km DATA 06-23-11
Standard Directional SEARCH 06-23-11

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT* (in km)
201B Norwich	WNCH	APP	DCX VT	0.0 0.0	0.0 BMPED20110211AFT	43 26 15.0 72 27 08.0	1.600 686	124.7 973	51.3 Vermont Public Radio	-175.9*	-175.9*
201B Norwich	WNCH	LIC	DEX VT	0.0 0.0	0.0 BLED20041013ABV	43 26 15.0 72 27 08.0	1.600 688	115.8 970	45.6 Vermont Public Radio	-167.1*	-170.3*
201B Norwich	WNCH	CP	DCX VT	0.0 0.0	0.0 BPED20091120ACB	43 26 15.0 72 27 08.0	1.600 688	115.8 970	45.6 Vermont Public Radio	-167.1*	-170.3*
06 1C Schenectady	WRGB	CP	_HN NY	235.0 54.0	155.5 BPCDT20090622ABV	42 37 31.0 74 00 38.0	30.200 392	95.7 649	109.9 Freedom Broadcasting Of Ne	205.6R	-50.1M
202A Northfield	WNUB-FM	LIC	_CN VT	348.1 168.0	80.1 BLED19890622KB	44 08 32.0 72 39 31.0	0.285 -118	10.5 283	7.3 The Trustees Of The Norwic	20.7	0.1
201A Rochester	940131MC	APP	_VN NH	95.9 276.8	108.0 BPED19940131MC	43 19 48.0 71 07 26.0	0.150 180	49.0 360	14.8 Granite State Educ. Fellow	22.1	0.5
201A Minerva	WGOR	CP	DVX NY	291.3 110.3	133.8 BNPED20071012AJB	43 51 53.4 74 00 24.8	0.325 16	19.9 565	5.8 Bal four Lake Foundation, I	65.1	2.7
204C2 Rutland	WRVT	LIC	DEX VT	295.2 114.8	58.2 BLED20101206ACJ	43 39 31.0 73 06 25.0	4.800 412	4.3 663	51.5 Vermont Public Radio	6.0	4.0
201C3 Peru	WXLU	LIC	_C_ NY	322.7 141.8	159.7 BLED20060707ABU	44 34 25.0 73 40 29.0	1.000 341	96.0 646	35.8 The St. Lawrence Universi t	15.9	4.0
201A Worcester	WCHC	LIC	_VN MA	158.3 338.7	143.4 BLED19880916KA	42 14 15.0 71 48 31.0	0.100 -2	18.6 195	5.6 College Of The Holy Cross	68.5	5.5
202B1 Wakefield	NEW	CP	DEX NH	74.1 255.0	108.5 BNPED20071018AXP	43 41 53.0 71 09 14.0	6.000 166	55.4 399	35.1 Light Of Life Ministries,	14.3	15.5
202A Nashua	WEVS	LIC	DEX NH	133.7 314.4	109.9 BLED20050720ACY	42 45 00.0 71 28 47.0	5.000 21	22.4 89	15.0 New Hampshire Public Radi o	35.2	20.2
201B1 Dolgeville	WVVC-FM	CP	DEX NY	259.7 78.3	167.5 BMPED20110125ABC	43 08 58.0 74 29 03.0	11.000 31	79.0 510	16.0 Northeast Gospel Broadcast	42.4	21.5
201A Cambridge	WMBR	LIC	DCN MA	136.6 317.5	163.5 BLED19950727KDD	42 21 42.0 71 05 03.0	0.720 90	50.0 108	13.8 Technology Broadcasting Co	59.7	25.7
202B1 Loudonville	WVCR-FM	LIC	_C_ NY	235.3 54.2	154.4 BLED20010404AAV	42 38 13.0 74 00 05.0	2.800 256	67.5 496	44.5 Siena College	35.4	32.5
204A Miford	NEW	CP	DCX NH	138.5 319.0	90.0 BNPED20071019AUW	42 49 47.0 71 43 15.0	0.240 79	1.1 269	7.0 University Of Massachusett	37.7	80.3
06+1 Montreal	CBMT	LI	_HN QC	338.9 158.1	247.0	45 30 20.0 73 35 32.0	100.000 250	92.6 275	100.1 Canadian Bcting Corp	192.7R	54.3M
06 Montr Al	VACANT	GR	_HN QC	338.9 158.1	247.0 BPFS20081211ABT	45 30 20.0 73 35 32.0	2.400 300	92.6 325	65.8 158.5R	158.5R	88.5M
06 1E New Haven	WEDY	LI	_HN CT	189.2 8.9	237.5 BLEDT20060906ABJ	41 19 42.0 72 54 25.0	0.400 88	97.4 131	25.3 Connecticut Public Broadca	122.7R	114.8M
06 1E New Haven	WEDY	CPM	_HN CT	189.2 8.9	237.5 BMPEDT20020305AAU	41 19 42.0 72 54 25.0	0.400 88	97.4 131	25.3 Connecticut Public Broadca	122.7R	114.8M
06ZT Rome	WWDG-CA	AP	D_N NY	265.0 82.9	246.2 BDISTVA20080528AGR	43 12 18.0 75 28 48.0	0.600 85	59.9 206	10.2 Kevin O'kane	70.1R	176.1M

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.
Reference station has protected zone issue: Canada

HOW TO READ THE FM COMPUTER PRINT-OUT

Full Service Stations

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

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

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

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

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

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

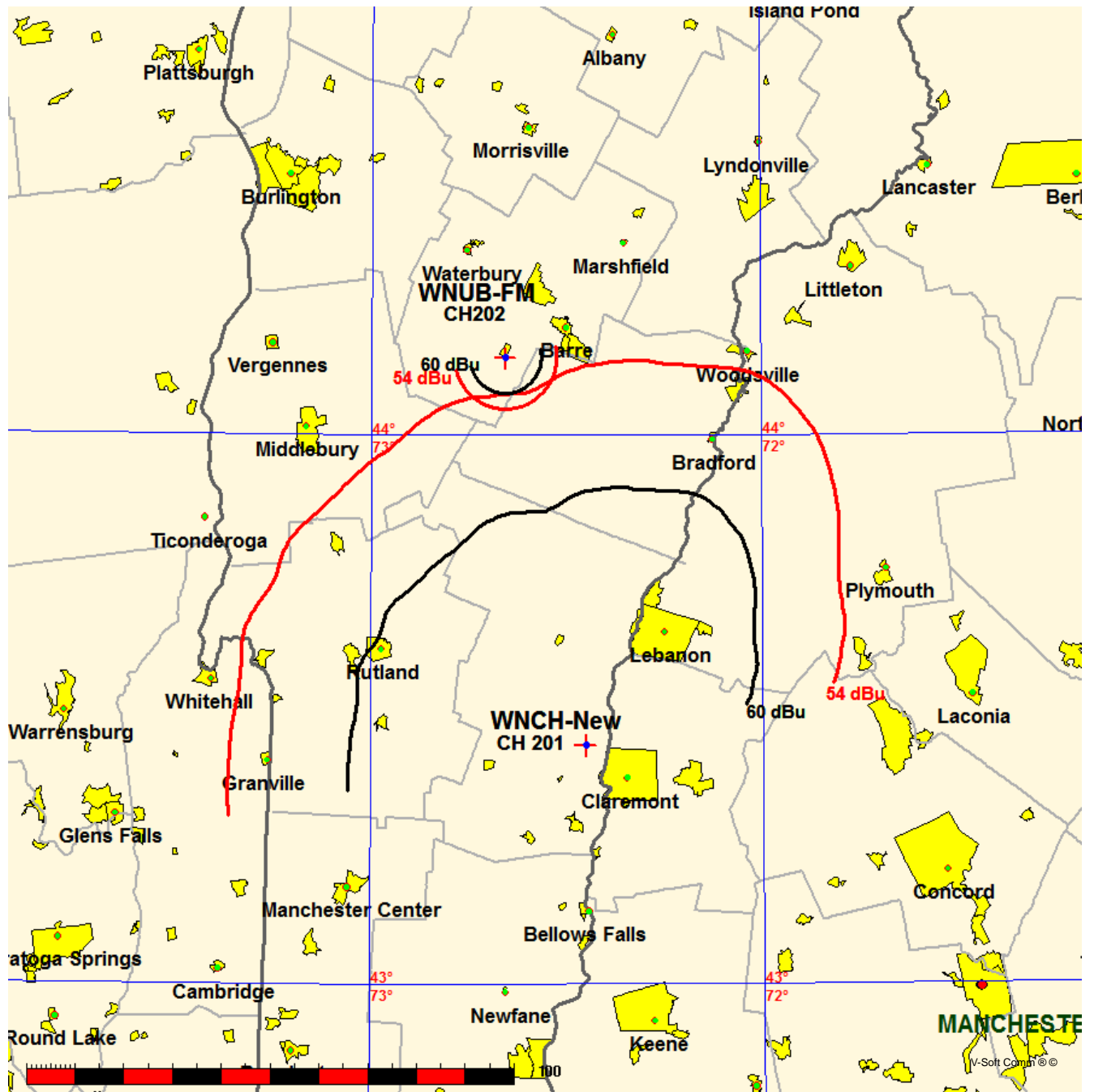
The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will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

Contour-to-Contour Map
Vermont Public Radio

FMCommander Single Allocation Study - 06-23-2011 - FCC NGDC 30 Sec
WNCH-New's Overlaps (In= 20.74 km, Out= 0.1 km)

WNCH-New CH 201 B DA
Lat= 43 26 15.0, Lng= 72 27 08.0
1.6 kW 686.2 M HAAT, 972.5 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WNUB-FM CH 202 A BLED19890622KB
Lat= 44 08 32.0, Lng= 72 39 31.0
0.285 kW -118 M HAAT, 283 M COR
Prot.= 60 dBu, Intef.= 54 dBu



06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WNCH-New

WNUB-FM BLED19890622KB

Channel = 201B

Max ERP = 1.6 kW

RCAMSL = 972.5 M

N. Lat. 43 26 15.0

W. Lng. 72 27 08.0

Protected

60 dBu

Channel = 202A

Max ERP = 0.285 kW

RCAMSL = 283 M

N. Lat. 44 08 32.0

W. Lng. 72 39 31.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
288.0	001.6000	0598.2	049.1	205.5	000.2850	-0163.5	069.9	26.48	
289.0	001.6000	0598.5	049.1	205.6	000.2850	-0163.0	069.1	26.63	
290.0	001.6000	0595.6	049.0	205.6	000.2850	-0163.0	068.2	26.78	
291.0	001.6000	0591.0	048.8	205.5	000.2850	-0163.4	067.4	26.94	
292.0	001.6000	0586.0	048.6	205.4	000.2850	-0163.9	066.5	27.10	
293.0	001.6000	0580.7	048.4	205.2	000.2850	-0164.5	065.6	27.26	
294.0	001.6000	0574.9	048.1	205.0	000.2850	-0165.2	064.8	27.41	
295.0	001.6000	0569.0	047.9	204.8	000.2850	-0165.7	064.0	27.57	
296.0	001.6000	0564.7	047.7	204.6	000.2850	-0166.1	063.1	27.73	
297.0	001.6000	0562.8	047.6	204.5	000.2850	-0166.3	062.3	27.89	
298.0	001.6000	0564.3	047.7	204.5	000.2850	-0166.3	061.5	28.06	
299.0	001.6000	0568.7	047.9	204.7	000.2850	-0166.0	060.6	28.23	
300.0	001.6000	0575.1	048.1	204.9	000.2850	-0165.6	059.8	28.40	
301.0	001.6000	0582.1	048.4	205.1	000.2850	-0165.1	058.9	28.58	
302.0	001.6000	0587.6	048.7	205.2	000.2850	-0164.7	058.0	28.76	
303.0	001.6000	0590.7	048.8	205.2	000.2850	-0164.6	057.2	28.94	
304.0	001.6000	0590.8	048.8	205.1	000.2850	-0165.0	056.3	29.12	
305.0	001.6000	0589.6	048.7	204.9	000.2850	-0165.5	055.5	29.30	
306.0	001.6000	0588.0	048.7	204.7	000.2850	-0166.0	054.7	29.48	
307.0	001.6000	0585.4	048.6	204.4	000.2850	-0166.5	053.9	29.65	
308.0	001.6000	0580.2	048.4	203.9	000.2850	-0166.9	053.1	29.82	
309.0	001.6000	0573.8	048.1	203.4	000.2850	-0167.2	052.4	29.98	
310.0	001.6000	0569.1	047.9	202.9	000.2850	-0167.5	051.6	30.14	
311.0	001.6000	0566.9	047.8	202.6	000.2850	-0168.2	050.8	30.31	
312.0	001.6000	0565.5	047.7	202.2	000.2850	-0169.0	050.1	30.47	
313.0	001.6000	0563.8	047.6	201.8	000.2850	-0170.4	049.3	30.64	
314.0	001.6000	0562.3	047.6	201.3	000.2850	-0172.0	048.6	30.80	
315.0	001.6000	0561.7	047.6	200.9	000.2850	-0173.4	047.8	30.96	
316.0	001.6000	0561.6	047.5	200.5	000.2850	-0174.6	047.1	31.13	
317.0	001.6000	0562.7	047.6	200.1	000.2850	-0175.5	046.3	31.31	
318.0	001.6000	0563.5	047.6	199.6	000.2850	-0176.2	045.6	31.50	
319.0	001.6000	0563.6	047.6	199.1	000.2850	-0177.1	044.8	31.68	
320.0	001.6000	0563.5	047.6	198.6	000.2850	-0178.0	044.1	31.87	
321.0	001.6000	0563.5	047.6	198.0	000.2850	-0178.4	043.4	32.06	
322.0	001.6000	0564.4	047.7	197.4	000.2850	-0177.8	042.7	32.26	
323.0	001.6000	0565.4	047.7	196.8	000.2850	-0174.3	042.0	32.47	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
324.0	001.6000	0564.4	047.7	196.1	000.2850	-0167.6	041.4	32.66
325.0	001.6000	0562.5	047.6	195.3	000.2850	-0161.2	040.8	32.84
326.0	001.6000	0562.7	047.6	194.5	000.2850	-0160.9	040.1	33.03
327.0	001.6000	0566.6	047.8	193.9	000.2850	-0164.6	039.4	33.27
328.0	001.6000	0570.9	048.0	193.2	000.2850	-0169.8	038.7	33.51
329.0	001.6000	0574.2	048.1	192.5	000.2850	-0175.8	038.0	33.74
330.0	001.6000	0578.1	048.3	191.7	000.2850	-0181.6	037.3	33.97
331.0	001.6000	0584.0	048.5	191.0	000.2850	-0188.0	036.6	34.22
332.0	001.6000	0590.4	048.8	190.2	000.2850	-0193.7	035.8	34.49
333.0	001.6000	0596.3	049.0	189.3	000.2850	-0198.8	035.1	34.74
334.0	001.6000	0600.7	049.2	188.3	000.2850	-0199.8	034.5	34.97
335.0	001.6000	0604.0	049.3	187.2	000.2850	-0196.5	033.9	35.18
336.0	001.6000	0607.6	049.4	186.1	000.2850	-0189.5	033.4	35.39
337.0	001.5674	0612.2	049.4	184.8	000.2850	-0178.6	033.0	35.54
338.0	001.5351	0617.4	049.4	183.4	000.2850	-0159.3	032.6	35.69
339.0	001.5031	0623.5	049.4	182.1	000.2850	-0150.0	032.2	35.83
340.0	001.4715	0629.8	049.4	180.6	000.2850	-0143.2	031.9	35.97
341.0	001.4562	0632.5	049.4	179.2	000.2850	-0136.0	031.6	36.08
342.0	001.4410	0629.5	049.2	177.6	000.2850	-0125.7	031.5	36.10
343.0	001.4258	0624.5	048.9	175.9	000.2850	-0118.0	031.6	36.07
344.0	001.4108	0620.5	048.7	174.3	000.2850	-0115.5	031.7	36.04
345.0	001.3958	0619.2	048.5	172.8	000.2850	-0123.1	031.7	36.03
346.0	001.3809	0620.4	048.5	171.2	000.2850	-0136.4	031.7	36.05
347.0	001.3660	0621.7	048.4	169.7	000.2850	-0147.1	031.7	36.05
348.0	001.3513	0620.7	048.3	168.2	000.2850	-0152.2	031.8	36.00
349.0	001.3366	0618.7	048.1	166.7	000.2850	-0148.3	032.0	35.92
350.0	001.3220	0617.1	047.9	165.2	000.2850	-0146.9	032.2	35.83
351.0	001.3487	0616.6	048.1	163.7	000.2850	-0149.1	032.1	35.87
352.0	001.3755	0618.8	048.4	162.1	000.2850	-0148.5	032.0	35.93
353.0	001.4027	0623.3	048.7	160.5	000.2850	-0149.4	031.8	36.00
354.0	001.4300	0630.2	049.2	158.8	000.2850	-0150.8	031.5	36.10
355.0	001.4577	0637.8	049.6	157.1	000.2850	-0143.7	031.3	36.18
356.0	001.4856	0644.1	050.1	155.3	000.2850	-0128.8	031.2	36.23
357.0	001.5138	0649.3	050.4	153.6	000.2850	-0125.4	031.2	36.24
358.0	001.5423	0651.1	050.7	151.9	000.2850	-0130.5	031.4	36.18
359.0	001.5710	0654.3	051.0	150.2	000.2850	-0135.9	031.5	36.11
000.0	001.6000	0657.9	051.3	148.5	000.2850	-0139.7	031.7	36.04
001.0	001.6000	0660.5	051.4	147.1	000.2850	-0145.5	032.1	35.88
002.0	001.6000	0664.7	051.5	145.6	000.2850	-0149.3	032.5	35.73
003.0	001.6000	0670.8	051.7	144.2	000.2850	-0151.3	032.9	35.58
004.0	001.6000	0677.2	051.9	142.7	000.2850	-0153.3	033.3	35.42
005.0	001.6000	0681.7	052.1	141.4	000.2850	-0151.4	033.8	35.24
006.0	001.6000	0686.1	052.2	140.1	000.2850	-0147.5	034.3	35.04
007.0	001.6000	0690.9	052.4	138.9	000.2850	-0148.1	034.9	34.83
008.0	001.6000	0695.6	052.6	137.7	000.2850	-0153.6	035.4	34.62
009.0	001.6000	0697.8	052.6	136.7	000.2850	-0159.5	036.1	34.38
010.0	001.6000	0698.1	052.6	135.8	000.2850	-0164.8	036.8	34.13
011.0	001.6000	0697.8	052.6	135.0	000.2850	-0169.5	037.6	33.87
012.0	001.6000	0699.8	052.7	134.2	000.2850	-0174.5	038.3	33.62
013.0	001.6000	0705.7	052.9	133.2	000.2850	-0178.9	039.0	33.40
014.0	001.6000	0711.6	053.1	132.3	000.2850	-0181.0	039.7	33.17

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
015.0	001.6000	0717.1	053.3	131.5	000.2850	-0181.7	040.5	32.93
016.0	001.6000	0722.1	053.4	130.7	000.2850	-0181.3	041.2	32.70
017.0	001.6000	0729.4	053.6	129.9	000.2850	-0179.2	042.0	32.47
018.0	001.6000	0738.5	053.9	129.1	000.2850	-0175.5	042.7	32.25
019.0	001.6000	0747.9	054.2	128.3	000.2850	-0171.1	043.5	32.03
020.0	001.6000	0757.4	054.5	127.5	000.2850	-0166.9	044.3	31.81
021.0	001.6000	0767.9	054.8	126.8	000.2850	-0163.5	045.2	31.60
022.0	001.6000	0777.8	055.1	126.1	000.2850	-0161.8	046.0	31.39
023.0	001.6000	0786.1	055.3	125.6	000.2850	-0161.3	046.9	31.18
024.0	001.6000	0790.5	055.5	125.2	000.2850	-0161.5	047.8	30.97
025.0	001.6000	0790.7	055.5	125.0	000.2850	-0161.7	048.8	30.76
026.0	001.6000	0788.9	055.4	124.8	000.2850	-0161.8	049.7	30.55
027.0	001.6000	0786.3	055.3	124.7	000.2850	-0161.9	050.7	30.34
028.0	001.6000	0781.3	055.2	124.8	000.2850	-0161.9	051.7	30.13
029.0	001.6000	0775.3	055.0	124.8	000.2850	-0161.8	052.6	29.92
030.0	001.6000	0772.1	054.9	124.8	000.2850	-0161.8	053.6	29.71
031.0	001.5329	0773.4	054.6	125.1	000.2850	-0161.5	054.6	29.50
032.0	001.4640	0777.6	054.2	125.4	000.2850	-0161.3	055.5	29.29
033.0	001.3981	0783.1	053.9	125.6	000.2850	-0161.3	056.5	29.09
034.0	001.3351	0788.9	053.7	125.9	000.2850	-0161.5	057.5	28.89
035.0	001.2751	0794.4	053.4	126.1	000.2850	-0161.7	058.4	28.69
036.0	001.2177	0799.3	053.1	126.4	000.2850	-0162.3	059.3	28.49
037.0	001.1629	0801.7	052.7	126.8	000.2850	-0163.3	060.3	28.30
038.0	001.1105	0801.8	052.3	127.2	000.2850	-0165.2	061.2	28.12
039.0	001.0605	0799.8	051.8	127.7	000.2850	-0167.5	062.1	27.94
040.0	001.0128	0796.7	051.2	128.2	000.2850	-0170.4	063.0	27.77
041.0	000.9672	0793.2	050.7	128.7	000.2850	-0173.3	063.8	27.60
042.0	000.9237	0789.5	050.1	129.2	000.2850	-0176.1	064.7	27.43
043.0	000.8821	0785.1	049.6	129.7	000.2850	-0178.5	065.5	27.28
044.0	000.8424	0780.4	049.0	130.3	000.2850	-0180.2	066.4	27.12
045.0	000.8045	0775.8	048.4	130.8	000.2850	-0181.4	067.2	26.98
046.0	000.7683	0771.8	047.8	131.4	000.2850	-0181.7	068.0	26.83
047.0	000.7337	0768.3	047.3	131.9	000.2850	-0181.4	068.7	26.69

06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WNUB-FM BLED19890622KB

WNCH-New

Channel = 202A

Max ERP = 0.285 kW

RCAMSL = 283 M

N. Lat. 44 08 32.0

W. Lng. 72 39 31.0

Protected

60 dBu

Channel = 201B

Max ERP = 1.6 kW

RCAMSL = 972.5 M

N. Lat. 43 26 15.0

W. Lng. 72 27 08.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
108.0	000.2850	-0164.6	007.3	352.8	001.3982	0622.3	076.7	52.86	
109.0	000.2850	-0168.8	007.3	352.8	001.3971	0622.1	076.6	52.89	
110.0	000.2850	-0173.9	007.3	352.8	001.3959	0621.9	076.5	52.92	
111.0	000.2850	-0177.5	007.3	352.7	001.3947	0621.6	076.3	52.95	
112.0	000.2850	-0179.0	007.3	352.7	001.3934	0621.4	076.2	52.98	
113.0	000.2850	-0178.4	007.3	352.6	001.3921	0621.1	076.1	53.01	
114.0	000.2850	-0175.3	007.3	352.6	001.3908	0620.9	076.0	53.03	
115.0	000.2850	-0171.4	007.3	352.5	001.3894	0620.7	075.9	53.06	
116.0	000.2850	-0168.4	007.3	352.5	001.3880	0620.4	075.8	53.08	
117.0	000.2850	-0167.3	007.3	352.4	001.3865	0620.2	075.7	53.11	
118.0	000.2850	-0167.3	007.3	352.4	001.3850	0619.9	075.6	53.13	
119.0	000.2850	-0166.6	007.3	352.3	001.3835	0619.7	075.5	53.16	
120.0	000.2850	-0165.6	007.3	352.2	001.3819	0619.5	075.4	53.18	
121.0	000.2850	-0164.7	007.3	352.2	001.3803	0619.3	075.3	53.21	
122.0	000.2850	-0164.3	007.3	352.1	001.3786	0619.1	075.2	53.23	
123.0	000.2850	-0164.1	007.3	352.1	001.3769	0618.9	075.1	53.25	
124.0	000.2850	-0162.9	007.3	352.0	001.3752	0618.7	075.0	53.28	
125.0	000.2850	-0161.7	007.3	351.9	001.3734	0618.6	074.9	53.30	
126.0	000.2850	-0161.6	007.3	351.9	001.3716	0618.4	074.8	53.32	
127.0	000.2850	-0164.4	007.3	351.8	001.3697	0618.2	074.7	53.34	
128.0	000.2850	-0169.5	007.3	351.7	001.3679	0618.1	074.6	53.36	
129.0	000.2850	-0175.1	007.3	351.6	001.3659	0617.9	074.5	53.38	
130.0	000.2850	-0179.4	007.3	351.6	001.3640	0617.8	074.5	53.40	
131.0	000.2850	-0181.5	007.3	351.5	001.3620	0617.6	074.4	53.42	
132.0	000.2850	-0181.3	007.3	351.4	001.3600	0617.4	074.3	53.43	
133.0	000.2850	-0179.8	007.3	351.3	001.3579	0617.3	074.2	53.45	
134.0	000.2850	-0175.4	007.3	351.3	001.3558	0617.1	074.1	53.47	
135.0	000.2850	-0169.7	007.3	351.2	001.3537	0616.9	074.1	53.48	
136.0	000.2850	-0163.7	007.3	351.1	001.3516	0616.8	074.0	53.50	
137.0	000.2850	-0158.0	007.3	351.0	001.3494	0616.6	073.9	53.51	
138.0	000.2850	-0152.3	007.3	350.9	001.3472	0616.5	073.8	53.52	
139.0	000.2850	-0147.9	007.3	350.9	001.3450	0616.4	073.8	53.54	
140.0	000.2850	-0147.2	007.3	350.8	001.3427	0616.4	073.7	53.55	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
141.0	000.2850	-0150.0	007.3	350.7	001.3405	0616.3	073.6	53.56
142.0	000.2850	-0152.8	007.3	350.6	001.3382	0616.3	073.6	53.58
143.0	000.2850	-0153.0	007.3	350.5	001.3358	0616.4	073.5	53.59
144.0	000.2850	-0151.5	007.3	350.4	001.3335	0616.5	073.5	53.60
145.0	000.2850	-0150.2	007.3	350.3	001.3311	0616.5	073.4	53.61
146.0	000.2850	-0148.8	007.3	350.3	001.3287	0616.7	073.3	53.62
147.0	000.2850	-0145.8	007.3	350.2	001.3263	0616.8	073.3	53.63
148.0	000.2850	-0141.7	007.3	350.1	001.3239	0616.9	073.2	53.64
149.0	000.2850	-0138.4	007.3	350.0	001.3224	0617.1	073.2	53.66
150.0	000.2850	-0136.5	007.3	349.9	001.3237	0617.3	073.2	53.68
151.0	000.2850	-0133.8	007.3	349.8	001.3251	0617.5	073.1	53.70
152.0	000.2850	-0130.1	007.3	349.7	001.3265	0617.6	073.1	53.72
153.0	000.2850	-0126.7	007.3	349.6	001.3279	0617.8	073.0	53.74
154.0	000.2850	-0124.9	007.3	349.5	001.3293	0618.0	073.0	53.76
155.0	000.2850	-0127.0	007.3	349.4	001.3307	0618.1	073.0	53.77
156.0	000.2850	-0134.3	007.3	349.3	001.3321	0618.3	072.9	53.79
157.0	000.2850	-0143.2	007.3	349.2	001.3335	0618.4	072.9	53.80
158.0	000.2850	-0149.3	007.3	349.1	001.3349	0618.5	072.9	53.82
159.0	000.2850	-0150.9	007.3	349.0	001.3364	0618.6	072.9	53.83
160.0	000.2850	-0150.0	007.3	348.9	001.3378	0618.8	072.8	53.85
161.0	000.2850	-0148.7	007.3	348.8	001.3393	0618.9	072.8	53.86
162.0	000.2850	-0148.4	007.3	348.7	001.3407	0619.0	072.8	53.87
163.0	000.2850	-0149.1	007.3	348.6	001.3422	0619.2	072.8	53.88
164.0	000.2850	-0148.8	007.3	348.5	001.3436	0619.4	072.8	53.89
165.0	000.2850	-0147.2	007.3	348.4	001.3451	0619.6	072.8	53.90
166.0	000.2850	-0146.6	007.3	348.3	001.3466	0619.9	072.8	53.92
167.0	000.2850	-0149.6	007.3	348.2	001.3480	0620.2	072.8	53.93
168.0	000.2850	-0152.2	007.3	348.1	001.3495	0620.4	072.8	53.93
169.0	000.2850	-0150.6	007.3	348.0	001.3510	0620.6	072.8	53.94
170.0	000.2850	-0145.2	007.3	347.9	001.3524	0620.9	072.8	53.95
171.0	000.2850	-0138.1	007.3	347.8	001.3539	0621.1	072.8	53.96
172.0	000.2850	-0130.1	007.3	347.7	001.3554	0621.3	072.8	53.96
173.0	000.2850	-0121.9	007.3	347.6	001.3568	0621.4	072.8	53.96
174.0	000.2850	-0117.3	007.3	347.5	001.3583	0621.6	072.8	53.97
175.0	000.2850	-0114.7	007.3	347.4	001.3598	0621.6	072.8	53.97
176.0	000.2850	-0118.1	007.3	347.3	001.3612	0621.7	072.8	53.97
177.0	000.2850	-0121.6	007.3	347.2	001.3627	0621.7	072.9	53.96
178.0	000.2850	-0128.5	007.3	347.1	001.3641	0621.7	072.9	53.96
179.0	000.2850	-0134.9	007.3	347.0	001.3656	0621.7	072.9	53.96
180.0	000.2850	-0140.2	007.3	346.9	001.3670	0621.7	072.9	53.95
181.0	000.2850	-0145.0	007.3	346.8	001.3684	0621.6	073.0	53.95
182.0	000.2850	-0149.7	007.3	346.7	001.3698	0621.5	073.0	53.94
183.0	000.2850	-0155.7	007.3	346.6	001.3713	0621.4	073.0	53.93
184.0	000.2850	-0167.2	007.3	346.6	001.3727	0621.3	073.1	53.92
185.0	000.2850	-0181.2	007.3	346.5	001.3741	0621.1	073.1	53.91
186.0	000.2850	-0188.7	007.3	346.4	001.3755	0621.0	073.1	53.90
187.0	000.2850	-0195.3	007.3	346.3	001.3768	0620.9	073.2	53.89
188.0	000.2850	-0199.3	007.3	346.2	001.3782	0620.7	073.2	53.88
189.0	000.2850	-0199.5	007.3	346.1	001.3796	0620.5	073.3	53.86
190.0	000.2850	-0195.0	007.3	346.0	001.3809	0620.4	073.3	53.85
191.0	000.2850	-0187.7	007.3	345.9	001.3823	0620.2	073.4	53.83

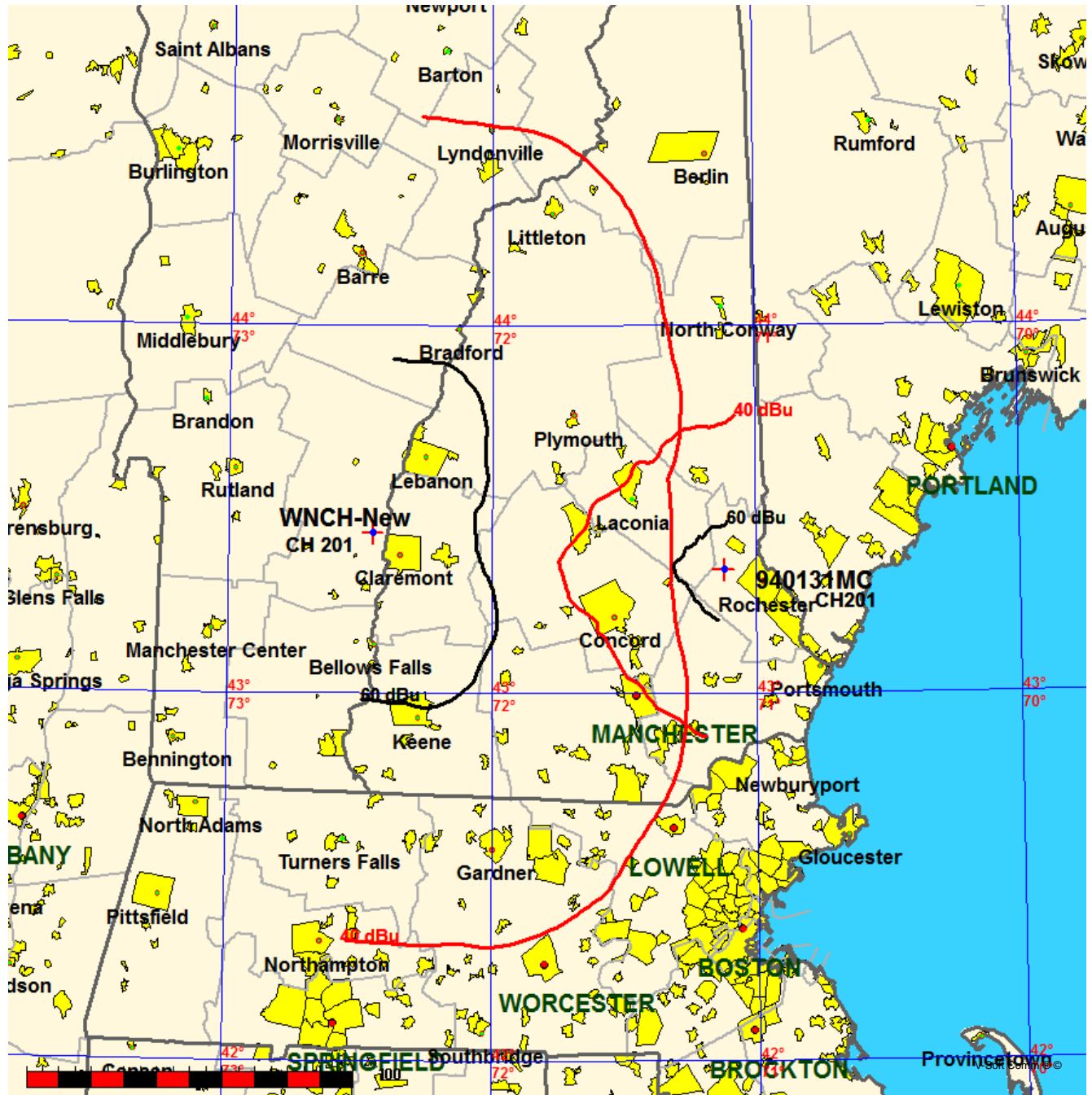
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
192.0	000.2850	-0179.2	007.3	345.8	001.3836	0620.1	073.4	53.82
193.0	000.2850	-0171.8	007.3	345.7	001.3849	0620.0	073.5	53.80
194.0	000.2850	-0163.7	007.3	345.6	001.3862	0619.8	073.6	53.78
195.0	000.2850	-0160.3	007.3	345.6	001.3875	0619.7	073.6	53.77
196.0	000.2850	-0166.9	007.3	345.5	001.3888	0619.6	073.7	53.75
197.0	000.2850	-0175.6	007.3	345.4	001.3900	0619.5	073.8	53.73
198.0	000.2850	-0178.4	007.3	345.3	001.3913	0619.4	073.8	53.71
199.0	000.2850	-0177.4	007.3	345.2	001.3925	0619.3	073.9	53.69
200.0	000.2850	-0175.5	007.3	345.1	001.3937	0619.3	074.0	53.67
201.0	000.2850	-0173.1	007.3	345.1	001.3949	0619.2	074.0	53.65
202.0	000.2850	-0169.6	007.3	345.0	001.3961	0619.2	074.1	53.63
203.0	000.2850	-0167.5	007.3	344.9	001.3972	0619.2	074.2	53.61
204.0	000.2850	-0166.9	007.3	344.8	001.3984	0619.2	074.3	53.59
205.0	000.2850	-0165.3	007.3	344.8	001.3995	0619.2	074.4	53.56
206.0	000.2850	-0161.1	007.3	344.7	001.4006	0619.3	074.4	53.54
207.0	000.2850	-0155.9	007.3	344.6	001.4017	0619.3	074.5	53.52
208.0	000.2850	-0151.9	007.3	344.5	001.4027	0619.4	074.6	53.49
209.0	000.2850	-0146.2	007.3	344.5	001.4038	0619.5	074.7	53.47
210.0	000.2850	-0135.6	007.3	344.4	001.4048	0619.6	074.8	53.45
211.0	000.2850	-0123.7	007.3	344.3	001.4058	0619.7	074.9	53.42
212.0	000.2850	-0116.7	007.3	344.3	001.4068	0619.9	075.0	53.40
213.0	000.2850	-0116.1	007.3	344.2	001.4077	0620.0	075.1	53.37
214.0	000.2850	-0119.2	007.3	344.1	001.4087	0620.2	075.2	53.35
215.0	000.2850	-0124.2	007.3	344.1	001.4096	0620.3	075.3	53.32
216.0	000.2850	-0131.6	007.3	344.0	001.4105	0620.5	075.4	53.29
217.0	000.2850	-0141.4	007.3	344.0	001.4114	0620.7	075.5	53.27
218.0	000.2850	-0149.9	007.3	343.9	001.4122	0620.8	075.6	53.24
219.0	000.2850	-0154.8	007.3	343.8	001.4131	0621.0	075.7	53.21
220.0	000.2850	-0155.5	007.3	343.8	001.4139	0621.2	075.8	53.18
221.0	000.2850	-0154.1	007.3	343.7	001.4147	0621.3	075.9	53.15
222.0	000.2850	-0152.8	007.3	343.7	001.4154	0621.5	076.0	53.12
223.0	000.2850	-0153.8	007.3	343.6	001.4162	0621.7	076.1	53.09
224.0	000.2850	-0157.5	007.3	343.6	001.4169	0621.9	076.2	53.06
225.0	000.2850	-0165.2	007.3	343.5	001.4176	0622.1	076.3	53.03
226.0	000.2850	-0174.3	007.3	343.5	001.4182	0622.2	076.4	53.00
227.0	000.2850	-0182.7	007.3	343.5	001.4189	0622.4	076.6	52.97

Contour-to-Contour Map
Vermont Public Radio

FMCommander Single Allocation Study - 06-23-2011 - FCC NGDC 30 Sec
WNCH-New's Overlaps (In= 22.07 km, Out= 0.54 km)

WNCH-New CH 201 B DA
Lat= 43 26 15.0, Lng= 72 27 08.0
1.6 kW 686.2 M HAAT, 972.5 M COR
Prot.= 60 dBu, Intef.= 40 dBu

940131MC CH 201 A BPED19940131MC
Lat= 43 19 48.0, Lng= 71 07 26.0
0.15 kW 180 M HAAT, 360 M COR
Prot.= 60 dBu, Intef.= 40 dBu



06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WNCH-New

940131MC BPED19940131MC

Channel = 201B

Max ERP = 1.6 kW

RCAMSL = 972.5 M

N. Lat. 43 26 15.0

W. Lng. 72 27 08.0

Protected

60 dBu

Channel = 201A

Max ERP = 0.15 kW

RCAMSL = 360 M

N. Lat. 43 19 48.0

W. Lng. 71 07 26.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
036.0	001.2177	0799.3	053.1	306.2	000.1500	0107.9	093.8	22.42	
037.0	001.1629	0801.7	052.7	306.0	000.1500	0108.4	092.8	22.70	
038.0	001.1105	0801.8	052.3	305.7	000.1500	0109.2	091.9	22.97	
039.0	001.0605	0799.8	051.8	305.3	000.1500	0110.1	091.0	23.25	
040.0	001.0128	0796.7	051.2	304.9	000.1500	0111.0	090.1	23.52	
041.0	000.9672	0793.2	050.7	304.5	000.1500	0112.0	089.3	23.79	
042.0	000.9237	0789.5	050.1	304.1	000.1500	0113.0	088.5	24.05	
043.0	000.8821	0785.1	049.6	303.6	000.1500	0113.8	087.8	24.30	
044.0	000.8424	0780.4	049.0	303.2	000.1500	0114.6	087.0	24.54	
045.0	000.8045	0775.8	048.4	302.7	000.1500	0115.4	086.3	24.78	
046.0	000.7683	0771.8	047.8	302.2	000.1500	0116.5	085.7	25.02	
047.0	000.7337	0768.3	047.3	301.7	000.1500	0117.8	085.0	25.27	
048.0	000.7007	0763.5	046.7	301.1	000.1500	0119.5	084.4	25.52	
049.0	000.6692	0756.0	046.0	300.5	000.1500	0121.7	083.8	25.77	
050.0	000.6390	0746.4	045.3	299.8	000.1500	0124.1	083.3	26.03	
051.0	000.6103	0737.1	044.6	299.2	000.1500	0126.6	082.9	26.27	
052.0	000.5828	0729.4	043.9	298.5	000.1500	0128.8	082.4	26.50	
053.0	000.5566	0723.4	043.3	297.9	000.1500	0130.9	082.0	26.72	
054.0	000.5315	0718.6	042.7	297.3	000.1500	0132.7	081.6	26.93	
055.0	000.5076	0714.7	042.1	296.7	000.1500	0134.4	081.2	27.12	
056.0	000.4848	0711.7	041.6	296.1	000.1500	0135.8	080.8	27.29	
057.0	000.4629	0710.6	041.1	295.6	000.1500	0136.7	080.5	27.45	
058.0	000.4421	0710.8	040.7	295.1	000.1500	0137.1	080.1	27.58	
059.0	000.4222	0712.7	040.4	294.6	000.1500	0137.1	079.7	27.69	
060.0	000.4032	0715.8	040.0	294.1	000.1500	0137.0	079.3	27.80	
061.0	000.3884	0718.6	039.8	293.6	000.1500	0136.7	078.9	27.90	
062.0	000.3739	0722.1	039.5	293.2	000.1500	0136.3	078.6	28.00	
063.0	000.3596	0725.9	039.3	292.7	000.1500	0135.8	078.2	28.08	
064.0	000.3457	0729.5	039.0	292.2	000.1500	0135.4	077.9	28.17	
065.0	000.3320	0732.8	038.7	291.7	000.1500	0135.1	077.5	28.25	
066.0	000.3186	0734.3	038.4	291.2	000.1500	0134.9	077.3	28.31	
067.0	000.3054	0734.1	038.0	290.7	000.1500	0134.7	077.1	28.35	
068.0	000.2925	0731.9	037.6	290.1	000.1500	0134.5	077.0	28.37	
069.0	000.2800	0727.9	037.0	289.4	000.1500	0134.3	077.0	28.38	
070.0	000.2676	0724.5	036.5	288.8	000.1500	0134.1	077.0	28.37	
071.0	000.2583	0723.1	036.2	288.3	000.1500	0133.8	076.9	28.38	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
072.0	000.2491	0722.6	035.8	287.8	000.1500	0133.8	076.8	28.41
073.0	000.2401	0721.1	035.5	287.2	000.1500	0134.0	076.8	28.43
074.0	000.2313	0717.0	035.0	286.7	000.1500	0134.2	076.8	28.43
075.0	000.2226	0710.8	034.5	286.1	000.1500	0134.8	076.9	28.42
076.0	000.2141	0703.1	033.9	285.5	000.1500	0136.1	077.1	28.42
077.0	000.2058	0695.3	033.3	284.9	000.1500	0137.8	077.4	28.43
078.0	000.1976	0686.5	032.7	284.3	000.1500	0139.5	077.7	28.42
079.0	000.1896	0678.1	032.1	283.7	000.1500	0141.2	078.0	28.41
080.0	000.1817	0670.7	031.6	283.2	000.1500	0142.9	078.3	28.40
081.0	000.1817	0665.5	031.4	282.8	000.1500	0144.2	078.2	28.48
082.0	000.1817	0664.3	031.4	282.4	000.1500	0145.4	078.0	28.59
083.0	000.1817	0664.2	031.4	282.0	000.1500	0146.6	077.8	28.70
084.0	000.1817	0663.4	031.4	281.6	000.1500	0148.0	077.7	28.80
085.0	000.1817	0663.4	031.4	281.2	000.1500	0149.4	077.5	28.92
086.0	000.1817	0663.4	031.4	280.8	000.1500	0151.0	077.4	29.03
087.0	000.1817	0663.4	031.4	280.5	000.1500	0152.7	077.3	29.15
088.0	000.1817	0662.5	031.3	280.1	000.1500	0154.4	077.2	29.26
089.0	000.1817	0662.3	031.3	279.7	000.1500	0156.3	077.1	29.38
090.0	000.1817	0662.1	031.3	279.3	000.1500	0158.2	077.0	29.49
091.0	000.1820	0662.1	031.4	278.8	000.1500	0160.2	076.9	29.61
092.0	000.1824	0662.9	031.4	278.4	000.1500	0162.2	076.8	29.73
093.0	000.1827	0663.1	031.4	278.0	000.1500	0163.9	076.8	29.83
094.0	000.1830	0665.4	031.5	277.6	000.1500	0165.6	076.7	29.94
095.0	000.1833	0668.7	031.6	277.2	000.1500	0167.2	076.5	30.05
096.0	000.1837	0670.2	031.6	276.8	000.1500	0168.9	076.5	30.14
097.0	000.1840	0673.4	031.7	276.4	000.1500	0170.6	076.4	30.25
098.0	000.1843	0676.1	031.8	276.0	000.1500	0172.3	076.3	30.35
099.0	000.1846	0677.9	031.9	275.6	000.1500	0173.9	076.3	30.43
100.0	000.1850	0680.3	032.0	275.1	000.1500	0175.3	076.2	30.50
101.0	000.1947	0680.6	032.4	274.7	000.1500	0176.9	075.9	30.69
102.0	000.2046	0678.9	032.8	274.2	000.1500	0178.5	075.5	30.86
103.0	000.2148	0676.7	033.2	273.7	000.1500	0180.3	075.3	31.02
104.0	000.2253	0674.7	033.5	273.2	000.1500	0182.0	075.0	31.18
105.0	000.2360	0672.9	033.9	272.7	000.1500	0183.7	074.8	31.32
106.0	000.2469	0672.3	034.3	272.2	000.1500	0185.3	074.6	31.46
107.0	000.2581	0674.3	034.7	271.7	000.1500	0186.2	074.3	31.59
108.0	000.2695	0679.4	035.3	271.1	000.1500	0185.0	074.0	31.65
109.0	000.2812	0686.5	035.9	270.5	000.1500	0183.4	073.6	31.70
110.0	000.2932	0695.6	036.5	269.9	000.1500	0181.7	073.2	31.76
111.0	000.3085	0705.1	037.3	269.2	000.1500	0179.8	072.8	31.83
112.0	000.3243	0714.7	038.0	268.5	000.1500	0177.9	072.4	31.88
113.0	000.3405	0724.4	038.7	267.8	000.1500	0176.0	072.0	31.92
114.0	000.3570	0733.4	039.4	267.0	000.1500	0174.8	071.7	31.97
115.0	000.3740	0742.1	040.1	266.3	000.1500	0174.1	071.4	32.03
116.0	000.3913	0749.9	040.8	265.5	000.1500	0173.3	071.2	32.06
117.0	000.4091	0756.8	041.4	264.8	000.1500	0172.4	071.0	32.07
118.0	000.4272	0763.8	042.0	264.0	000.1500	0171.4	070.9	32.06
119.0	000.4457	0771.2	042.6	263.2	000.1500	0170.5	070.9	32.04
120.0	000.4646	0779.3	043.2	262.4	000.1500	0169.7	070.8	32.02
121.0	000.4865	0787.4	043.9	261.6	000.1500	0168.9	070.8	31.99
122.0	000.5094	0794.5	044.6	260.8	000.1500	0167.9	070.8	31.94

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
123.0	000.5335	0800.9	045.2	260.0	000.1500	0166.8	070.9	31.86
124.0	000.5586	0806.1	045.8	259.2	000.1500	0165.6	071.0	31.76
125.0	000.5849	0810.6	046.3	258.4	000.1500	0164.1	071.2	31.63
126.0	000.6125	0814.8	046.9	257.7	000.1500	0162.3	071.5	31.46
127.0	000.6414	0818.2	047.4	256.9	000.1500	0159.9	071.7	31.26
128.0	000.6716	0820.0	047.9	256.2	000.1500	0157.1	072.1	31.01
129.0	000.7032	0819.6	048.3	255.5	000.1500	0154.0	072.5	30.73
130.0	000.7364	0816.4	048.7	254.9	000.1500	0151.0	073.0	30.42
131.0	000.7711	0811.3	049.0	254.3	000.1500	0148.1	073.5	30.11
132.0	000.8074	0805.7	049.3	253.8	000.1500	0145.3	074.1	29.79
133.0	000.8455	0800.1	049.6	253.3	000.1500	0142.5	074.7	29.47
134.0	000.8853	0794.4	049.9	252.8	000.1500	0140.0	075.3	29.15
135.0	000.9270	0788.1	050.1	252.3	000.1500	0137.6	076.0	28.84
136.0	000.9707	0782.0	050.4	251.8	000.1500	0135.5	076.7	28.53
137.0	001.0165	0776.8	050.7	251.3	000.1500	0133.5	077.3	28.23
138.0	001.0644	0772.2	051.0	250.9	000.1500	0131.6	078.0	27.93
139.0	001.1146	0767.3	051.3	250.4	000.1500	0129.8	078.8	27.63
140.0	001.1671	0763.2	051.6	250.0	000.1500	0128.0	079.5	27.33
141.0	001.2221	0761.6	052.0	249.5	000.1500	0126.2	080.2	27.03
142.0	001.2797	0763.4	052.5	249.0	000.1500	0124.2	081.0	26.72
143.0	001.3400	0767.5	053.1	248.4	000.1500	0122.3	081.7	26.42
144.0	001.4031	0772.4	053.7	247.9	000.1500	0120.8	082.5	26.13
145.0	001.4693	0776.7	054.2	247.3	000.1500	0119.9	083.3	25.86
146.0	001.5385	0780.5	054.8	246.8	000.1500	0119.9	084.1	25.62
147.0	001.6000	0785.5	055.3	246.4	000.1500	0120.7	085.0	25.40
148.0	001.6000	0790.3	055.5	246.2	000.1500	0121.1	085.9	25.15
149.0	001.6000	0794.0	055.6	246.1	000.1500	0121.5	086.9	24.90
150.0	001.6000	0797.5	055.7	245.9	000.1500	0121.8	087.8	24.64
151.0	001.6000	0802.7	055.8	245.8	000.1500	0122.3	088.8	24.39
152.0	001.6000	0809.7	056.0	245.6	000.1500	0122.8	089.7	24.14
153.0	001.6000	0816.3	056.2	245.5	000.1500	0123.2	090.7	23.89
154.0	001.6000	0820.8	056.3	245.4	000.1500	0123.5	091.7	23.63
155.0	001.6000	0823.1	056.3	245.4	000.1500	0123.7	092.7	23.37

06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

940131MC BPED19940131MC

WNCH-New

Channel = 201A

Max ERP = 0.15 kW

RCAMSL = 360 M

N. Lat. 43 19 48.0

W. Lng. 71 07 26.0

Protected

60 dBu

Channel = 201B

Max ERP = 1.6 kW

RCAMSL = 972.5 M

N. Lat. 43 26 15.0

W. Lng. 72 27 08.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
217.0	000.1500	0129.6	012.9	102.1	000.2061	0678.6	102.1	37.62	
218.0	000.1500	0129.8	012.9	102.1	000.2056	0678.7	101.9	37.67	
219.0	000.1500	0131.3	012.9	102.1	000.2054	0678.7	101.7	37.73	
220.0	000.1500	0133.4	013.0	102.1	000.2053	0678.7	101.5	37.80	
221.0	000.1500	0134.8	013.1	102.0	000.2051	0678.8	101.2	37.86	
222.0	000.1500	0135.3	013.1	102.0	000.2046	0678.9	101.0	37.91	
223.0	000.1500	0134.7	013.1	101.9	000.2038	0679.1	100.8	37.94	
224.0	000.1500	0133.1	013.0	101.8	000.2027	0679.3	100.7	37.97	
225.0	000.1500	0131.2	012.9	101.7	000.2016	0679.5	100.5	37.99	
226.0	000.1500	0129.7	012.9	101.6	000.2005	0679.7	100.4	38.01	
227.0	000.1500	0128.6	012.8	101.5	000.1996	0679.9	100.2	38.03	
228.0	000.1500	0127.8	012.8	101.4	000.1987	0680.1	100.1	38.06	
229.0	000.1500	0126.7	012.7	101.3	000.1977	0680.2	099.9	38.08	
230.0	000.1500	0125.5	012.7	101.2	000.1966	0680.4	099.8	38.10	
231.0	000.1500	0124.7	012.6	101.1	000.1957	0680.5	099.6	38.13	
232.0	000.1500	0123.9	012.6	101.0	000.1947	0680.6	099.5	38.15	
233.0	000.1500	0123.2	012.5	100.9	000.1938	0680.7	099.3	38.17	
234.0	000.1500	0122.2	012.5	100.8	000.1927	0680.8	099.2	38.18	
235.0	000.1500	0121.1	012.4	100.7	000.1917	0680.8	099.1	38.19	
236.0	000.1500	0120.4	012.4	100.6	000.1907	0680.8	099.0	38.21	
237.0	000.1500	0120.0	012.4	100.5	000.1898	0680.8	098.8	38.23	
238.0	000.1500	0119.3	012.4	100.4	000.1888	0680.8	098.7	38.24	
239.0	000.1500	0118.8	012.3	100.3	000.1878	0680.7	098.6	38.25	
240.0	000.1500	0119.3	012.4	100.2	000.1870	0680.6	098.4	38.28	
241.0	000.1500	0121.1	012.4	100.1	000.1864	0680.5	098.2	38.32	
242.0	000.1500	0124.0	012.6	100.1	000.1859	0680.4	097.9	38.38	
243.0	000.1500	0126.5	012.7	100.0	000.1853	0680.3	097.7	38.43	
244.0	000.1500	0126.9	012.7	099.9	000.1849	0680.2	097.6	38.46	
245.0	000.1500	0124.8	012.6	099.8	000.1849	0679.9	097.5	38.47	
246.0	000.1500	0121.6	012.5	099.6	000.1848	0679.5	097.5	38.47	
247.0	000.1500	0119.8	012.4	099.5	000.1848	0679.1	097.5	38.48	
248.0	000.1500	0121.1	012.4	099.4	000.1848	0678.9	097.3	38.52	
249.0	000.1500	0124.3	012.6	099.4	000.1848	0678.7	097.1	38.59	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
250.0	000.1500	0128.1	012.8	099.3	000.1847	0678.6	096.8	38.66
251.0	000.1500	0132.1	013.0	099.2	000.1847	0678.4	096.5	38.74
252.0	000.1500	0136.4	013.2	099.2	000.1847	0678.3	096.2	38.83
253.0	000.1500	0141.2	013.4	099.1	000.1847	0678.2	095.9	38.92
254.0	000.1500	0146.4	013.7	099.1	000.1847	0678.1	095.5	39.02
255.0	000.1500	0151.5	014.0	099.0	000.1846	0677.9	095.2	39.12
256.0	000.1500	0156.3	014.2	098.9	000.1846	0677.8	094.9	39.22
257.0	000.1500	0160.3	014.4	098.8	000.1846	0677.6	094.6	39.30
258.0	000.1500	0163.1	014.6	098.7	000.1845	0677.4	094.4	39.36
259.0	000.1500	0165.3	014.7	098.6	000.1845	0677.2	094.2	39.42
260.0	000.1500	0166.8	014.7	098.5	000.1845	0676.9	094.0	39.46
261.0	000.1500	0168.2	014.8	098.4	000.1844	0676.7	093.9	39.50
262.0	000.1500	0169.3	014.9	098.2	000.1844	0676.4	093.7	39.53
263.0	000.1500	0170.2	014.9	098.1	000.1843	0676.2	093.6	39.56
264.0	000.1500	0171.4	015.0	097.9	000.1843	0675.9	093.5	39.59
265.0	000.1500	0172.7	015.0	097.8	000.1842	0675.6	093.4	39.63
266.0	000.1500	0173.8	015.1	097.6	000.1842	0675.3	093.3	39.65
267.0	000.1500	0174.8	015.1	097.5	000.1841	0674.9	093.2	39.68
268.0	000.1500	0176.6	015.2	097.3	000.1841	0674.5	093.0	39.71
269.0	000.1500	0179.3	015.3	097.2	000.1840	0674.0	092.9	39.75
270.0	000.1500	0182.0	015.4	097.0	000.1840	0673.5	092.7	39.79
271.0	000.1500	0184.7	015.5	096.9	000.1839	0672.9	092.6	39.82
272.0	000.1500	0185.9	015.6	096.7	000.1839	0672.3	092.5	39.83
273.0	000.1500	0182.9	015.5	096.5	000.1838	0671.6	092.6	39.79
274.0	000.1500	0179.3	015.3	096.3	000.1838	0671.0	092.7	39.74
275.0	000.1500	0175.8	015.2	096.2	000.1837	0670.6	092.9	39.69
276.0	000.1500	0172.2	015.0	096.0	000.1837	0670.2	093.0	39.64
277.0	000.1500	0168.1	014.8	095.9	000.1836	0670.0	093.2	39.57
278.0	000.1500	0164.1	014.6	095.7	000.1836	0669.8	093.4	39.51
279.0	000.1500	0159.5	014.4	095.5	000.1835	0669.7	093.7	39.43
280.0	000.1500	0154.7	014.1	095.4	000.1835	0669.5	093.9	39.35
281.0	000.1500	0150.4	013.9	095.3	000.1834	0669.3	094.2	39.27
282.0	000.1500	0146.7	013.7	095.1	000.1834	0669.1	094.4	39.20
283.0	000.1500	0143.5	013.6	095.0	000.1833	0668.7	094.6	39.14
284.0	000.1500	0140.4	013.4	094.9	000.1833	0668.3	094.8	39.08
285.0	000.1500	0137.4	013.2	094.7	000.1832	0667.9	094.9	39.01
286.0	000.1500	0134.9	013.1	094.6	000.1832	0667.5	095.1	38.96
287.0	000.1500	0134.0	013.1	094.5	000.1832	0667.0	095.2	38.92
288.0	000.1500	0133.8	013.1	094.4	000.1831	0666.6	095.2	38.90
289.0	000.1500	0134.1	013.1	094.2	000.1831	0666.1	095.3	38.88
290.0	000.1500	0134.5	013.1	094.1	000.1830	0665.7	095.3	38.86
291.0	000.1500	0134.8	013.1	094.0	000.1830	0665.3	095.4	38.84
292.0	000.1500	0135.2	013.1	093.8	000.1829	0664.9	095.4	38.82
293.0	000.1500	0136.1	013.2	093.7	000.1829	0664.5	095.4	38.80
294.0	000.1500	0137.0	013.2	093.5	000.1829	0664.1	095.5	38.79
295.0	000.1500	0137.1	013.2	093.4	000.1828	0663.8	095.5	38.76
296.0	000.1500	0136.0	013.2	093.3	000.1828	0663.6	095.7	38.72
297.0	000.1500	0133.6	013.0	093.2	000.1827	0663.4	095.9	38.65
298.0	000.1500	0130.6	012.9	093.1	000.1827	0663.2	096.1	38.58
299.0	000.1500	0127.2	012.7	093.0	000.1827	0663.1	096.3	38.51
300.0	000.1500	0123.6	012.6	093.0	000.1827	0663.1	096.6	38.44

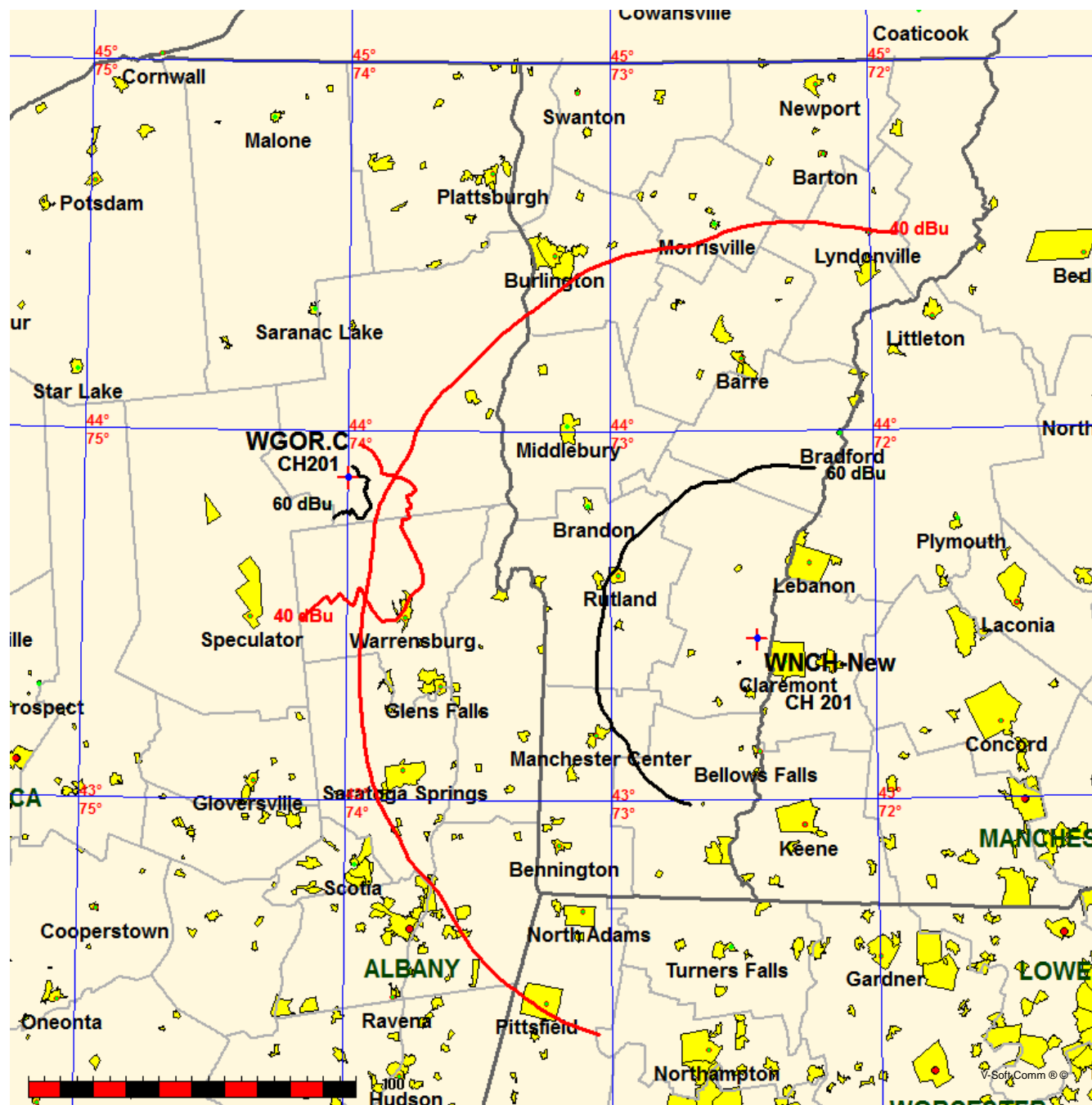
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
301.0	000.1500	0119.9	012.4	092.9	000.1826	0663.0	096.9	38.36
302.0	000.1500	0117.0	012.2	092.8	000.1826	0662.9	097.1	38.29
303.0	000.1500	0114.8	012.1	092.7	000.1826	0662.9	097.3	38.24
304.0	000.1500	0113.2	012.1	092.6	000.1826	0662.9	097.5	38.19
305.0	000.1500	0110.9	011.9	092.6	000.1825	0662.8	097.7	38.13
306.0	000.1500	0108.3	011.8	092.5	000.1825	0662.8	097.9	38.06
307.0	000.1500	0106.4	011.7	092.4	000.1825	0662.8	098.1	38.01
308.0	000.1500	0105.5	011.7	092.4	000.1825	0662.8	098.2	37.96
309.0	000.1500	0104.9	011.6	092.3	000.1824	0662.9	098.4	37.92
310.0	000.1500	0104.3	011.6	092.2	000.1824	0663.0	098.5	37.88
311.0	000.1500	0103.8	011.6	092.1	000.1824	0663.0	098.7	37.84
312.0	000.1500	0103.9	011.6	092.0	000.1824	0662.9	098.8	37.80
313.0	000.1500	0104.7	011.6	091.9	000.1823	0662.7	098.9	37.77
314.0	000.1500	0105.8	011.7	091.8	000.1823	0662.4	099.0	37.74
315.0	000.1500	0107.5	011.8	091.7	000.1823	0662.1	099.0	37.72
316.0	000.1500	0109.7	011.9	091.5	000.1822	0662.1	099.1	37.70
317.0	000.1500	0112.1	012.0	091.4	000.1822	0662.1	099.2	37.68
318.0	000.1500	0113.9	012.1	091.3	000.1821	0662.1	099.2	37.66
319.0	000.1500	0115.1	012.2	091.2	000.1821	0662.1	099.3	37.62
320.0	000.1500	0114.9	012.1	091.1	000.1821	0662.1	099.5	37.58
321.0	000.1500	0113.3	012.1	091.1	000.1821	0662.1	099.7	37.52
322.0	000.1500	0110.2	011.9	091.0	000.1820	0662.1	100.0	37.45
323.0	000.1500	0106.6	011.7	091.1	000.1821	0662.1	100.3	37.37
324.0	000.1500	0103.1	011.5	091.1	000.1821	0662.1	100.5	37.29
325.0	000.1500	0101.1	011.4	091.0	000.1820	0662.1	100.8	37.23
326.0	000.1500	0100.4	011.4	091.0	000.1820	0662.1	100.9	37.18
327.0	000.1500	0100.5	011.4	090.9	000.1820	0662.1	101.1	37.14
328.0	000.1500	0101.2	011.4	090.8	000.1820	0662.1	101.2	37.10
329.0	000.1500	0103.0	011.5	090.7	000.1819	0662.1	101.4	37.06
330.0	000.1500	0105.8	011.7	090.6	000.1819	0662.1	101.4	37.04
331.0	000.1500	0109.2	011.9	090.5	000.1819	0662.1	101.5	37.01
332.0	000.1500	0112.8	012.0	090.3	000.1818	0662.1	101.6	36.99
333.0	000.1500	0115.4	012.2	090.2	000.1818	0662.1	101.7	36.95
334.0	000.1500	0117.1	012.2	090.1	000.1817	0662.1	101.9	36.91
335.0	000.1500	0118.0	012.3	090.0	000.1817	0662.1	102.1	36.86
336.0	000.1500	0118.8	012.3	089.9	000.1817	0662.1	102.2	36.81

Contour-to-Contour Map
Vermont Public Radio

FMCommander Single Allocation Study - 06-23-2011 - FCC NGDC 30 Sec
WNCH-New's Overlaps (In= 65.09 km, Out= 2.66 km)

WNCH-New CH 201 B DA
Lat= 43 26 15.0, Lng= 72 27 08.0
1.6 kW 686.2 M HAAT, 972.5 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WGOR-C CH 201 A DA BNPED20071012AJB
Lat= 43 51 53.4, Lng= 74 00 24.8
0.325 kW 15.8 M HAAT, 564.7 M COR
Prot.= 60 dBu, Intef.= 40 dBu



06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WNCH-New

WGOR-C BNPED20071012AJB

Channel = 201B

Max ERP = 1.6 kW

RCAMSL = 972.5 M

N. Lat. 43 26 15.0

W. Lng. 72 27 08.0

Protected

60 dBu

Channel = 201A

Max ERP = 0.325 kW

RCAMSL = 564.7 M

N. Lat. 43 51 53.4

W. Lng. 74 00 24.8

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
231.0	001.6000	0644.7	050.8	132.4	000.0641	0050.2	117.0	11.74	
232.0	001.6000	0639.9	050.6	132.2	000.0636	0050.3	116.3	11.85	
233.0	001.6000	0639.5	050.6	132.2	000.0634	0050.4	115.4	12.00	
234.0	001.6000	0644.8	050.8	132.2	000.0634	0050.4	114.5	12.17	
235.0	001.6000	0654.7	051.2	132.3	000.0637	0050.3	113.5	12.36	
236.0	001.6000	0664.4	051.5	132.3	000.0639	0050.3	112.6	12.54	
237.0	001.6000	0670.9	051.7	132.3	000.0639	0050.3	111.7	12.71	
238.0	001.6000	0672.4	051.8	132.2	000.0636	0050.3	110.8	12.86	
239.0	001.6000	0670.4	051.7	132.1	000.0632	0050.5	109.9	12.99	
240.0	001.6000	0666.1	051.6	131.9	000.0626	0050.5	109.1	13.10	
241.0	001.6000	0662.4	051.4	131.7	000.0620	0050.5	108.3	13.21	
242.0	001.6000	0660.9	051.4	131.5	000.0614	0050.6	107.4	13.33	
243.0	001.6000	0662.5	051.4	131.3	000.0611	0050.6	106.6	13.47	
244.0	001.6000	0667.2	051.6	131.2	000.0608	0050.7	105.7	13.62	
245.0	001.6000	0673.0	051.8	131.2	000.0605	0050.7	104.8	13.77	
246.0	001.6000	0676.5	051.9	131.0	000.0602	0050.9	103.9	13.91	
247.0	001.6000	0676.9	051.9	130.8	000.0596	0051.0	103.1	14.04	
248.0	001.6000	0673.3	051.8	130.5	000.0588	0051.0	102.3	14.12	
249.0	001.6000	0668.3	051.6	130.2	000.0579	0050.8	101.6	14.19	
250.0	001.6000	0664.0	051.5	129.9	000.0571	0050.6	100.8	14.26	
251.0	001.6000	0661.3	051.4	129.6	000.0566	0050.2	100.1	14.35	
252.0	001.6000	0660.5	051.4	129.3	000.0560	0049.7	099.4	14.44	
253.0	001.6000	0657.9	051.3	129.0	000.0554	0049.5	098.7	14.52	
254.0	001.6000	0652.0	051.1	128.6	000.0547	0049.6	098.0	14.60	
255.0	001.6000	0643.6	050.8	128.2	000.0539	0049.9	097.5	14.65	
256.0	001.6000	0635.9	050.5	127.7	000.0530	0050.8	096.9	14.74	
257.0	001.6000	0629.2	050.2	127.3	000.0522	0052.2	096.4	14.85	
258.0	001.6000	0624.0	050.0	126.9	000.0515	0053.6	095.8	14.96	
259.0	001.6000	0619.6	049.9	126.4	000.0507	0055.3	095.3	15.09	
260.0	001.6000	0615.4	049.7	126.0	000.0500	0057.0	094.7	15.22	
261.0	001.6000	0611.3	049.6	125.6	000.0492	0058.6	094.2	15.34	
262.0	001.6000	0608.1	049.5	125.2	000.0485	0059.7	093.7	15.44	
263.0	001.6000	0604.9	049.3	124.7	000.0477	0060.6	093.2	15.53	
264.0	001.6000	0601.6	049.2	124.3	000.0469	0061.3	092.7	15.60	
265.0	001.6000	0597.3	049.0	123.8	000.0461	0061.7	092.3	15.64	
266.0	001.6000	0592.8	048.9	123.3	000.0453	0061.7	091.9	15.66	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
267.0	001.6000	0588.7	048.7	122.8	000.0445	0061.3	091.5	15.65
268.0	001.6000	0585.6	048.6	122.4	000.0437	0060.7	091.1	15.64
269.0	001.6000	0583.6	048.5	121.9	000.0429	0059.9	090.7	15.63
270.0	001.6000	0581.8	048.4	121.4	000.0421	0058.8	090.3	15.59
271.0	001.6000	0580.0	048.3	120.9	000.0413	0057.8	089.9	15.55
272.0	001.6000	0578.1	048.3	120.4	000.0405	0056.8	089.6	15.51
273.0	001.6000	0575.9	048.2	119.9	000.0397	0056.2	089.2	15.47
274.0	001.6000	0572.7	048.0	119.4	000.0389	0056.2	089.0	15.44
275.0	001.6000	0569.0	047.9	118.9	000.0380	0056.9	088.8	15.43
276.0	001.6000	0565.3	047.7	118.4	000.0372	0058.3	088.6	15.45
277.0	001.6000	0563.5	047.6	117.8	000.0363	0060.2	088.3	15.50
278.0	001.6000	0563.5	047.6	117.3	000.0356	0062.2	088.0	15.58
279.0	001.6000	0563.2	047.6	116.8	000.0348	0064.0	087.8	15.63
280.0	001.6000	0563.8	047.6	116.3	000.0340	0065.4	087.5	15.67
281.0	001.6000	0566.6	047.8	115.8	000.0332	0066.3	087.1	15.70
282.0	001.6000	0568.9	047.9	115.3	000.0325	0066.5	086.8	15.69
283.0	001.6000	0572.3	048.0	114.8	000.0317	0066.2	086.5	15.66
284.0	001.6000	0577.5	048.2	114.3	000.0310	0065.5	086.1	15.62
285.0	001.6000	0583.1	048.5	113.7	000.0302	0064.5	085.7	15.56
286.0	001.6000	0589.8	048.7	113.2	000.0294	0063.7	085.3	15.51
287.0	001.6000	0595.6	049.0	112.6	000.0287	0063.1	085.0	15.45
288.0	001.6000	0598.2	049.1	112.1	000.0279	0062.8	084.8	15.36
289.0	001.6000	0598.5	049.1	111.5	000.0271	0062.5	084.7	15.24
290.0	001.6000	0595.6	049.0	110.9	000.0263	0062.1	084.8	15.08
291.0	001.6000	0591.0	048.8	110.3	000.0256	0061.6	085.0	14.88
292.0	001.6000	0586.0	048.6	109.8	000.0249	0061.1	085.2	14.69
293.0	001.6000	0580.7	048.4	109.2	000.0243	0061.0	085.4	14.52
294.0	001.6000	0574.9	048.1	108.7	000.0238	0061.4	085.7	14.36
295.0	001.6000	0569.0	047.9	108.1	000.0232	0062.5	086.0	14.24
296.0	001.6000	0564.7	047.7	107.6	000.0227	0064.3	086.3	14.15
297.0	001.6000	0562.8	047.6	107.0	000.0222	0066.8	086.5	14.12
298.0	001.6000	0564.3	047.7	106.5	000.0216	0069.5	086.6	14.13
299.0	001.6000	0568.7	047.9	105.9	000.0211	0072.5	086.6	14.18
300.0	001.6000	0575.1	048.1	105.4	000.0206	0075.9	086.5	14.25
301.0	001.6000	0582.1	048.4	104.8	000.0200	0078.7	086.4	14.28
302.0	001.6000	0587.6	048.7	104.2	000.0195	0080.5	086.5	14.25
303.0	001.6000	0590.7	048.8	103.6	000.0190	0081.8	086.6	14.16
304.0	001.6000	0590.8	048.8	103.1	000.0185	0083.4	086.9	14.06
305.0	001.6000	0589.6	048.7	102.6	000.0181	0085.3	087.2	13.94
306.0	001.6000	0588.0	048.7	102.1	000.0176	0087.0	087.6	13.82
307.0	001.6000	0585.4	048.6	101.6	000.0172	0088.4	088.0	13.66
308.0	001.6000	0580.2	048.4	101.2	000.0168	0089.3	088.6	13.47
309.0	001.6000	0573.8	048.1	100.8	000.0165	0090.0	089.2	13.24
310.0	001.6000	0569.1	047.9	100.3	000.0162	0090.3	089.8	13.01
311.0	001.6000	0566.9	047.8	099.9	000.0158	0090.1	090.3	12.79
312.0	001.6000	0565.5	047.7	099.5	000.0156	0089.7	090.7	12.57
313.0	001.6000	0563.8	047.6	099.1	000.0153	0089.1	091.3	12.34
314.0	001.6000	0562.3	047.6	098.7	000.0151	0088.7	091.8	12.11
315.0	001.6000	0561.7	047.6	098.2	000.0148	0088.2	092.3	11.89
316.0	001.6000	0561.6	047.5	097.8	000.0146	0087.8	092.8	11.68
317.0	001.6000	0562.7	047.6	097.4	000.0143	0087.3	093.2	11.46

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
318.0	001.6000	0563.5	047.6	097.0	000.0141	0086.9	093.7	11.25
319.0	001.6000	0563.6	047.6	096.6	000.0139	0086.5	094.3	11.03
320.0	001.6000	0563.5	047.6	096.3	000.0136	0085.7	094.8	10.79
321.0	001.6000	0563.5	047.6	095.9	000.0134	0084.6	095.4	10.54
322.0	001.6000	0564.4	047.7	095.5	000.0132	0083.0	096.0	10.27
323.0	001.6000	0565.4	047.7	095.2	000.0130	0081.2	096.5	10.00
324.0	001.6000	0564.4	047.7	094.8	000.0129	0079.7	097.2	09.73
325.0	001.6000	0562.5	047.6	094.6	000.0127	0078.5	097.9	09.48
326.0	001.6000	0562.7	047.6	094.3	000.0125	0077.2	098.5	09.22
327.0	001.6000	0566.6	047.8	093.9	000.0123	0075.9	099.0	08.98
328.0	001.6000	0570.9	048.0	093.5	000.0121	0074.7	099.6	08.75
329.0	001.6000	0574.2	048.1	093.1	000.0119	0073.7	100.2	08.51
330.0	001.6000	0578.1	048.3	092.8	000.0117	0072.4	100.8	08.27
331.0	001.6000	0584.0	048.5	092.4	000.0115	0070.6	101.3	08.00
332.0	001.6000	0590.4	048.8	092.0	000.0113	0068.8	101.9	07.74
333.0	001.6000	0596.3	049.0	091.7	000.0112	0067.2	102.5	07.49
334.0	001.6000	0600.7	049.2	091.4	000.0110	0065.7	103.2	07.24
335.0	001.6000	0604.0	049.3	091.1	000.0109	0064.4	103.9	06.99
336.0	001.6000	0607.6	049.4	090.8	000.0107	0063.0	104.6	06.75
337.0	001.5674	0612.2	049.4	090.6	000.0106	0062.2	105.4	06.53
338.0	001.5351	0617.4	049.4	090.4	000.0105	0061.3	106.2	06.31
339.0	001.5031	0623.5	049.4	090.3	000.0104	0060.4	107.0	06.10
340.0	001.4715	0629.8	049.4	090.1	000.0103	0059.5	107.8	05.88
341.0	001.4562	0632.5	049.4	089.9	000.0103	0058.8	108.6	05.69
342.0	001.4410	0629.5	049.2	089.9	000.0103	0058.6	109.5	05.52
343.0	001.4258	0624.5	048.9	089.9	000.0103	0058.6	110.4	05.36
344.0	001.4108	0620.5	048.7	089.9	000.0103	0058.6	111.2	05.20
345.0	001.3958	0619.2	048.5	089.8	000.0103	0058.3	112.1	05.03
346.0	001.3809	0620.4	048.5	089.7	000.0103	0057.9	112.9	04.87
347.0	001.3660	0621.7	048.4	089.7	000.0103	0057.6	113.8	04.70
348.0	001.3513	0620.7	048.3	089.6	000.0103	0057.5	114.6	04.55
349.0	001.3366	0618.7	048.1	089.6	000.0103	0057.5	115.5	04.39
350.0	001.3220	0617.1	047.9	089.6	000.0103	0057.5	116.3	04.24

06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WGOR-C BNPED20071012AJB

WNCH-New

Channel = 201A

Max ERP = 0.325 kW

RCAMSL = 564.7 M

N. Lat. 43 51 53.4

W. Lng. 74 00 24.8

Protected

60 dBu

Channel = 201B

Max ERP = 1.6 kW

RCAMSL = 972.5 M

N. Lat. 43 26 15.0

W. Lng. 72 27 08.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
050.0	000.0103	-0043.4	003.2	292.5	001.6000	0583.2	132.3	36.96	
051.0	000.0103	-0052.8	003.2	292.5	001.6000	0583.3	132.2	36.97	
052.0	000.0103	-0064.1	003.2	292.5	001.6000	0583.4	132.2	36.99	
053.0	000.0103	-0074.5	003.2	292.5	001.6000	0583.4	132.1	37.00	
054.0	000.0103	-0081.0	003.2	292.5	001.6000	0583.5	132.1	37.01	
055.0	000.0103	-0082.8	003.2	292.5	001.6000	0583.6	132.0	37.03	
056.0	000.0103	-0081.7	003.2	292.5	001.6000	0583.6	132.0	37.04	
057.0	000.0103	-0081.8	003.2	292.4	001.6000	0583.7	131.9	37.05	
058.0	000.0103	-0082.5	003.2	292.4	001.6000	0583.8	131.9	37.07	
059.0	000.0103	-0083.8	003.2	292.4	001.6000	0583.9	131.8	37.08	
060.0	000.0103	-0084.6	003.2	292.4	001.6000	0583.9	131.8	37.09	
061.0	000.0103	-0086.1	003.2	292.4	001.6000	0584.0	131.7	37.10	
062.0	000.0103	-0087.6	003.2	292.4	001.6000	0584.1	131.7	37.12	
063.0	000.0103	-0089.7	003.2	292.3	001.6000	0584.2	131.7	37.13	
064.0	000.0103	-0091.4	003.2	292.3	001.6000	0584.3	131.6	37.14	
065.0	000.0103	-0090.0	003.2	292.3	001.6000	0584.3	131.6	37.15	
066.0	000.0103	-0087.8	003.2	292.3	001.6000	0584.4	131.5	37.16	
067.0	000.0103	-0087.3	003.2	292.3	001.6000	0584.5	131.5	37.18	
068.0	000.0103	-0089.6	003.2	292.3	001.6000	0584.6	131.5	37.19	
069.0	000.0103	-0094.8	003.2	292.2	001.6000	0584.7	131.4	37.20	
070.0	000.0103	-0100.6	003.2	292.2	001.6000	0584.8	131.4	37.21	
071.0	000.0103	-0108.4	003.2	292.2	001.6000	0584.9	131.4	37.22	
072.0	000.0103	-0115.6	003.2	292.2	001.6000	0585.0	131.3	37.23	
073.0	000.0103	-0117.4	003.2	292.2	001.6000	0585.1	131.3	37.24	
074.0	000.0103	-0113.2	003.2	292.2	001.6000	0585.2	131.3	37.25	
075.0	000.0103	-0103.1	003.2	292.1	001.6000	0585.3	131.2	37.26	
076.0	000.0103	-0091.1	003.2	292.1	001.6000	0585.4	131.2	37.27	
077.0	000.0103	-0079.2	003.2	292.1	001.6000	0585.5	131.2	37.28	
078.0	000.0103	-0068.4	003.2	292.1	001.6000	0585.6	131.1	37.29	
079.0	000.0103	-0058.6	003.2	292.1	001.6000	0585.7	131.1	37.30	
080.0	000.0103	-0048.2	003.2	292.0	001.6000	0585.8	131.1	37.31	
081.0	000.0103	-0035.7	003.2	292.0	001.6000	0586.0	131.0	37.32	
082.0	000.0103	-0022.0	003.2	292.0	001.6000	0586.1	131.0	37.33	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
083.0	000.0103	-0010.2	003.2	292.0	001.6000	0586.2	131.0	37.34
084.0	000.0103	-0000.7	003.2	291.9	001.6000	0586.3	131.0	37.34
085.0	000.0103	0010.0	003.2	291.9	001.6000	0586.4	130.9	37.35
086.0	000.0103	0021.6	003.2	291.9	001.6000	0586.6	130.9	37.36
087.0	000.0103	0033.0	003.3	291.9	001.6000	0586.5	130.8	37.40
088.0	000.0103	0043.2	003.8	292.0	001.6000	0586.2	130.3	37.53
089.0	000.0103	0053.9	004.3	292.0	001.6000	0585.9	129.8	37.65
090.0	000.0103	0059.2	004.5	292.0	001.6000	0585.9	129.6	37.71
091.0	000.0108	0063.9	004.8	292.0	001.6000	0585.9	129.3	37.77
092.0	000.0113	0068.6	005.0	292.0	001.6000	0585.9	129.1	37.84
093.0	000.0118	0073.2	005.2	292.0	001.6000	0585.9	128.9	37.90
094.0	000.0124	0076.3	005.4	292.0	001.6000	0586.0	128.7	37.95
095.0	000.0129	0080.4	005.6	292.0	001.6000	0586.1	128.5	38.01
096.0	000.0135	0084.9	005.8	292.0	001.6000	0586.2	128.2	38.08
097.0	000.0141	0086.9	005.9	291.9	001.6000	0586.4	128.1	38.12
098.0	000.0147	0087.9	006.0	291.9	001.6000	0586.6	128.0	38.15
099.0	000.0153	0089.0	006.1	291.9	001.6000	0586.8	127.8	38.19
100.0	000.0159	0090.2	006.2	291.8	001.6000	0587.0	127.7	38.22
101.0	000.0167	0089.6	006.3	291.8	001.6000	0587.2	127.6	38.25
102.0	000.0176	0087.2	006.2	291.7	001.6000	0587.4	127.6	38.25
103.0	000.0184	0083.8	006.2	291.7	001.6000	0587.7	127.7	38.24
104.0	000.0193	0080.9	006.1	291.6	001.6000	0587.9	127.7	38.24
105.0	000.0202	0077.7	006.1	291.6	001.6000	0588.2	127.8	38.23
106.0	000.0212	0072.2	005.9	291.5	001.6000	0588.4	127.9	38.19
107.0	000.0221	0067.0	005.8	291.5	001.6000	0588.7	128.0	38.16
108.0	000.0231	0062.8	005.7	291.4	001.6000	0588.9	128.1	38.13
109.0	000.0241	0061.1	005.7	291.4	001.6000	0589.1	128.2	38.13
110.0	000.0251	0061.3	005.7	291.3	001.6000	0589.3	128.1	38.16
111.0	000.0264	0062.2	005.8	291.3	001.6000	0589.5	128.0	38.19
112.0	000.0278	0062.7	005.9	291.3	001.6000	0589.8	127.9	38.21
113.0	000.0292	0063.5	006.0	291.2	001.6000	0590.0	127.8	38.24
114.0	000.0306	0065.0	006.2	291.2	001.6000	0590.2	127.7	38.28
115.0	000.0320	0066.4	006.3	291.1	001.6000	0590.5	127.5	38.32
116.0	000.0335	0066.0	006.3	291.0	001.6000	0590.7	127.5	38.33
117.0	000.0351	0063.5	006.3	291.0	001.6000	0591.0	127.6	38.32
118.0	000.0366	0059.6	006.2	291.0	001.6000	0591.2	127.7	38.29
119.0	000.0382	0056.7	006.1	290.9	001.6000	0591.4	127.8	38.26
120.0	000.0398	0056.3	006.1	290.9	001.6000	0591.6	127.8	38.27
121.0	000.0414	0057.9	006.3	290.8	001.6000	0591.9	127.6	38.31
122.0	000.0431	0060.2	006.5	290.7	001.6000	0592.2	127.5	38.35
123.0	000.0447	0061.5	006.6	290.7	001.6000	0592.5	127.4	38.38
124.0	000.0464	0061.6	006.6	290.6	001.6000	0592.8	127.4	38.40
125.0	000.0482	0060.0	006.6	290.6	001.6000	0593.0	127.4	38.39
126.0	000.0499	0057.1	006.5	290.5	001.6000	0593.2	127.5	38.35
127.0	000.0517	0053.1	006.4	290.5	001.6000	0593.3	127.7	38.30
128.0	000.0536	0050.1	006.2	290.5	001.6000	0593.4	127.9	38.26
129.0	000.0554	0049.5	006.2	290.4	001.6000	0593.7	127.9	38.26
130.0	000.0573	0050.7	006.4	290.4	001.6000	0594.0	127.8	38.28
131.0	000.0601	0050.9	006.4	290.3	001.6000	0594.2	127.8	38.30
132.0	000.0629	0050.5	006.5	290.3	001.6000	0594.5	127.8	38.30
133.0	000.0658	0050.5	006.6	290.2	001.6000	0594.7	127.8	38.31

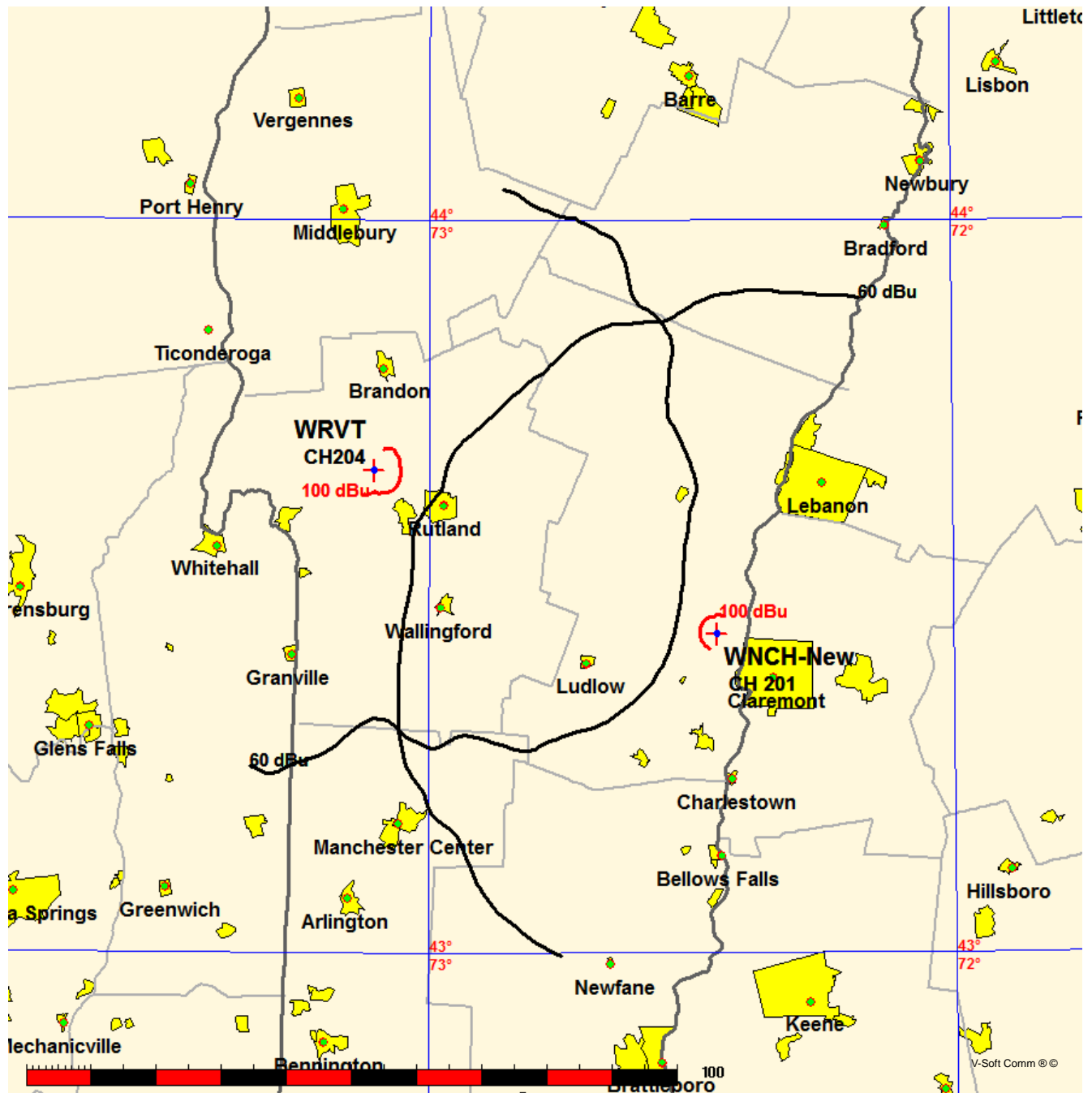
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
134.0	000.0688	0052.5	006.8	290.1	001.6000	0595.1	127.6	38.35
135.0	000.0718	0056.0	007.1	290.0	001.6000	0595.5	127.4	38.42
136.0	000.0749	0061.5	007.5	289.9	001.6000	0596.1	127.1	38.51
137.0	000.0780	0068.1	008.0	289.7	001.6000	0596.7	126.8	38.61
138.0	000.0812	0076.0	008.5	289.5	001.6000	0597.3	126.3	38.74
139.0	000.0845	0084.7	009.1	289.3	001.6000	0597.8	125.9	38.87
140.0	000.0879	0093.4	009.7	289.1	001.6000	0598.3	125.5	38.98
141.0	000.0923	0101.6	010.2	288.9	001.6000	0598.6	125.2	39.08
142.0	000.0969	0108.8	010.7	288.8	001.6000	0598.7	124.9	39.16
143.0	000.1016	0114.3	011.0	288.6	001.6000	0598.8	124.7	39.22
144.0	000.1063	0117.8	011.3	288.4	001.6000	0598.7	124.6	39.25
145.0	000.1112	0119.6	011.5	288.3	001.6000	0598.6	124.5	39.26
146.0	000.1162	0120.4	011.7	288.2	001.6000	0598.5	124.5	39.25
147.0	000.1213	0119.9	011.8	288.1	001.6000	0598.4	124.6	39.24
148.0	000.1265	0118.0	011.8	288.0	001.6000	0598.2	124.7	39.21
149.0	000.1319	0115.2	011.8	287.9	001.6000	0598.1	124.8	39.16
150.0	000.1373	0113.2	011.8	287.9	001.6000	0598.0	125.0	39.13
151.0	000.1429	0111.9	011.9	287.8	001.6000	0597.9	125.1	39.10
152.0	000.1485	0111.1	011.9	287.7	001.6000	0597.7	125.2	39.07
153.0	000.1543	0110.8	012.0	287.6	001.6000	0597.5	125.2	39.04
154.0	000.1602	0111.3	012.2	287.5	001.6000	0597.2	125.3	39.02
155.0	000.1661	0112.9	012.3	287.4	001.6000	0596.8	125.3	39.01
156.0	000.1722	0114.9	012.6	287.2	001.6000	0596.4	125.4	38.99
157.0	000.1785	0116.5	012.7	287.1	001.6000	0595.9	125.4	38.97
158.0	000.1848	0117.5	012.9	287.0	001.6000	0595.4	125.5	38.95
159.0	000.1912	0118.1	013.1	286.8	001.6000	0594.9	125.6	38.91
160.0	000.1977	0118.7	013.2	286.7	001.6000	0594.3	125.7	38.88
161.0	000.2039	0119.6	013.3	286.6	001.6000	0593.7	125.8	38.84
162.0	000.2101	0119.1	013.4	286.5	001.6000	0593.2	125.9	38.79
163.0	000.2164	0115.6	013.3	286.5	001.6000	0593.1	126.2	38.73
164.0	000.2228	0110.7	013.1	286.5	001.6000	0593.2	126.5	38.65
165.0	000.2293	0107.9	013.1	286.5	001.6000	0593.0	126.7	38.58
166.0	000.2359	0107.2	013.1	286.4	001.6000	0592.6	126.9	38.53
167.0	000.2426	0104.2	013.0	286.4	001.6000	0592.5	127.1	38.46
168.0	000.2494	0097.3	012.7	286.5	001.6000	0593.1	127.5	38.37
169.0	000.2563	0089.0	012.2	286.6	001.6000	0593.8	127.9	38.27

Contour-to-Contour Map
Vermont Public Radio

FMCommander Single Allocation Study - 06-23-2011 - FCC NGDC 30 Sec
WNCH-New's Overlaps (In= 5.99 km, Out= 3.95 km)

WNCH-New CH 201 B DA
Lat= 43 26 15.0, Lng= 72 27 08.0
1.6 kW 686.2 M HAAT, 972.5 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WRVT CH 204 C2 DA BLED20101206ACJ
Lat= 43 39 31.0, Lng= 73 06 25.0
4.8 kW 412 M HAAT, 663 M COR
Prot.= 60 dBu, Intef.= 100 dBu



06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WNCH-New

WRVT BLED20101206ACJ

Channel = 201B
 Max ERP = 1.6 kW
 RCAMSL = 972.5 M
 N. Lat. 43 26 15.0
 W. Lng. 72 27 08.0
 Protected
 60 dBu

Channel = 204C2
 Max ERP = 4.8 kW
 RCAMSL = 663 M
 N. Lat. 43 39 31.0
 W. Lng. 73 06 25.0
 Interfering
 100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
235.0	001.6000	0654.7	051.2	168.4	004.8000	0293.9	055.1	57.49	
236.0	001.6000	0664.4	051.5	169.0	004.8000	0289.2	054.4	57.60	
237.0	001.6000	0670.9	051.7	169.6	004.8000	0284.4	053.6	57.73	
238.0	001.6000	0672.4	051.8	170.1	004.8000	0281.1	052.8	57.95	
239.0	001.6000	0670.4	051.7	170.4	004.8000	0278.8	052.0	58.22	
240.0	001.6000	0666.1	051.6	170.6	004.8000	0277.2	051.1	58.53	
241.0	001.6000	0662.4	051.4	170.8	004.8000	0275.6	050.2	58.83	
242.0	001.6000	0660.9	051.4	171.1	004.8000	0273.5	049.3	59.11	
243.0	001.6000	0662.5	051.4	171.5	004.8000	0270.8	048.5	59.36	
244.0	001.6000	0667.2	051.6	172.0	004.8000	0267.2	047.7	59.56	
245.0	001.6000	0673.0	051.8	172.6	004.8000	0263.1	046.9	59.75	
246.0	001.6000	0676.5	051.9	173.0	004.8000	0259.4	046.0	59.97	
247.0	001.6000	0676.9	051.9	173.4	004.8000	0255.6	045.2	60.20	
248.0	001.6000	0673.3	051.8	173.6	004.8000	0253.6	044.3	60.51	
249.0	001.6000	0668.3	051.6	173.7	004.8000	0252.4	043.4	60.87	
250.0	001.6000	0664.0	051.5	173.8	004.8000	0251.0	042.5	61.22	
251.0	001.6000	0661.3	051.4	173.9	004.8000	0248.9	041.6	61.54	
252.0	001.6000	0660.5	051.4	174.2	004.8000	0245.4	040.7	61.81	
253.0	001.6000	0657.9	051.3	174.3	004.8000	0243.4	039.8	62.15	
254.0	001.6000	0652.0	051.1	174.3	004.8000	0244.1	038.9	62.60	
255.0	001.6000	0643.6	050.8	174.0	004.8000	0247.3	037.9	63.14	
256.0	001.6000	0635.9	050.5	173.8	004.8000	0250.2	037.0	63.67	
257.0	001.6000	0629.2	050.2	173.6	004.8000	0252.9	036.1	64.18	
258.0	001.6000	0624.0	050.0	173.5	004.8000	0254.7	035.2	64.67	
259.0	001.6000	0619.6	049.9	173.3	004.8000	0256.3	034.3	65.15	
260.0	001.6000	0615.4	049.7	173.2	004.8000	0258.1	033.5	65.64	
261.0	001.6000	0611.3	049.6	173.0	004.8000	0259.9	032.6	66.14	
262.0	001.6000	0608.1	049.5	172.8	004.8000	0261.3	031.7	66.62	
263.0	001.6000	0604.9	049.3	172.6	004.8000	0262.9	030.9	67.13	
264.0	001.6000	0601.6	049.2	172.3	004.8000	0264.8	030.0	67.68	
265.0	001.6000	0597.3	049.0	172.0	004.8000	0267.5	029.1	68.26	
266.0	001.6000	0592.8	048.9	171.5	004.8000	0270.6	028.3	68.88	
267.0	001.6000	0588.7	048.7	171.0	004.8000	0273.8	027.5	69.51	
268.0	001.6000	0585.6	048.6	170.6	004.8000	0277.2	026.6	70.17	
269.0	001.6000	0583.6	048.5	170.1	004.8000	0280.6	025.8	70.84	
270.0	001.6000	0581.8	048.4	169.6	004.8000	0284.3	025.0	71.53	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
271.0	001.6000	0580.0	048.3	169.1	004.8000	0288.6	024.2	72.24
272.0	001.6000	0578.1	048.3	168.5	004.8000	0293.5	023.4	72.98
273.0	001.6000	0575.9	048.2	167.8	004.8000	0297.1	022.6	73.68
274.0	001.6000	0572.7	048.0	166.8	004.8000	0296.3	021.8	74.25
275.0	001.6000	0569.0	047.9	165.7	004.8000	0292.4	021.1	74.72
276.0	001.6000	0565.3	047.7	164.5	004.8000	0288.8	020.3	75.20
277.0	001.6000	0563.5	047.6	163.4	004.8000	0285.3	019.6	75.69
278.0	001.6000	0563.5	047.6	162.3	004.8000	0283.9	018.8	76.26
279.0	001.6000	0563.2	047.6	161.2	004.8000	0286.2	018.1	76.94
280.0	001.6000	0563.8	047.6	159.9	004.8000	0292.3	017.4	77.72
281.0	001.6000	0566.6	047.8	158.9	004.8000	0301.5	016.6	78.62
282.0	001.6000	0568.9	047.9	157.6	004.8000	0315.5	015.8	79.62
283.0	001.6000	0572.3	048.0	156.2	004.8000	0331.0	015.0	80.66
284.0	001.6000	0577.5	048.2	154.9	004.8000	0346.9	014.2	82.03
285.0	001.6000	0583.1	048.5	153.4	004.8000	0366.5	013.5	83.54
286.0	001.6000	0589.8	048.7	151.7	004.8000	0385.8	012.6	85.02
287.0	001.6000	0595.6	049.0	149.6	004.8000	0396.9	011.9	86.29
288.0	001.6000	0598.2	049.1	146.7	004.8000	0400.5	011.2	87.27
289.0	001.6000	0598.5	049.1	143.2	004.8000	0416.0	010.7	88.28
290.0	001.6000	0595.6	049.0	138.9	004.8000	0447.9	010.4	89.23
291.0	001.6000	0591.0	048.8	134.2	004.8000	0463.1	010.2	89.69
292.0	001.6000	0586.0	048.6	129.3	004.8000	0475.9	010.0	89.95
293.0	001.6000	0580.7	048.4	124.3	004.8000	0473.7	010.0	89.93
294.0	001.6000	0574.9	048.1	119.4	004.8000	0460.1	010.2	89.66
295.0	001.6000	0569.0	047.9	114.7	004.8000	0440.0	010.4	89.15
296.0	001.6000	0564.7	047.7	110.2	004.8000	0420.3	010.6	88.54
297.0	001.6000	0562.8	047.6	105.9	004.8000	0401.8	010.8	87.95
298.0	001.6000	0564.3	047.7	101.5	004.8000	0395.3	010.9	87.65
299.0	001.6000	0568.7	047.9	097.1	004.8000	0392.0	011.0	87.46
300.0	001.6000	0575.1	048.1	092.5	004.8000	0401.4	011.1	87.49
301.0	001.6000	0582.1	048.4	088.0	004.8000	0378.9	011.3	86.86
302.0	001.6000	0587.6	048.7	083.9	004.8000	0357.5	011.6	85.97
303.0	001.6000	0590.7	048.8	080.4	004.8000	0337.7	012.0	84.82
304.0	001.6000	0590.8	048.8	077.5	004.8000	0341.4	012.6	84.07
305.0	001.6000	0589.6	048.7	075.2	004.8000	0351.5	013.3	83.41
306.0	001.6000	0588.0	048.7	073.1	004.8000	0361.8	014.0	82.74
307.0	001.6000	0585.4	048.6	071.5	004.8000	0372.1	014.7	82.05
308.0	001.6000	0580.2	048.4	070.4	004.8000	0381.0	015.5	81.47
309.0	001.6000	0573.8	048.1	069.6	004.8000	0388.0	016.4	80.93
310.0	001.6000	0569.1	047.9	068.8	004.8000	0394.3	017.2	80.40
311.0	001.6000	0566.9	047.8	067.8	004.8000	0400.3	018.0	79.92
312.0	001.6000	0565.5	047.7	066.8	004.8000	0404.1	018.8	79.39
313.0	001.6000	0563.8	047.6	066.0	004.8000	0405.1	019.6	78.78
314.0	001.6000	0562.3	047.6	065.3	004.8000	0404.7	020.4	78.15
315.0	001.6000	0561.7	047.6	064.5	004.8000	0403.6	021.1	77.52
316.0	001.6000	0561.6	047.5	063.8	004.8000	0402.1	021.9	76.88
317.0	001.6000	0562.7	047.6	063.1	004.8000	0399.7	022.7	76.24
318.0	001.6000	0563.5	047.6	062.4	004.8000	0396.8	023.5	75.59
319.0	001.6000	0563.6	047.6	061.9	004.8000	0394.0	024.3	74.94
320.0	001.6000	0563.5	047.6	061.5	004.8000	0391.4	025.1	74.31
321.0	001.6000	0563.5	047.6	061.2	004.8000	0388.9	025.9	73.69

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
322.0	001.6000	0564.4	047.7	060.8	004.8000	0386.0	026.7	73.08
323.0	001.6000	0565.4	047.7	060.4	004.8000	0383.4	027.5	72.49
324.0	001.6000	0564.4	047.7	060.3	004.8000	0382.4	028.4	71.95
325.0	001.6000	0562.5	047.6	060.3	004.8000	0382.4	029.2	71.45
326.0	001.6000	0562.7	047.6	060.1	004.8000	0381.1	030.0	70.95
327.0	001.6000	0566.6	047.8	059.7	004.8000	0377.8	030.8	70.41
328.0	001.6000	0570.9	048.0	059.3	004.8000	0374.8	031.7	69.91
329.0	001.6000	0574.2	048.1	059.0	004.8000	0372.9	032.5	69.45
330.0	001.6000	0578.1	048.3	058.7	004.8000	0371.1	033.3	69.00
331.0	001.6000	0584.0	048.5	058.4	004.8000	0369.1	034.2	68.54
332.0	001.6000	0590.4	048.8	058.0	004.8000	0367.8	035.0	68.10
333.0	001.6000	0596.3	049.0	057.7	004.8000	0367.2	035.9	67.67
334.0	001.6000	0600.7	049.2	057.6	004.8000	0366.9	036.8	67.27
335.0	001.6000	0604.0	049.3	057.5	004.8000	0366.8	037.6	66.87
336.0	001.6000	0607.6	049.4	057.5	004.8000	0366.7	038.5	66.47
337.0	001.5674	0612.2	049.4	057.7	004.8000	0367.2	039.4	66.11
338.0	001.5351	0617.4	049.4	058.0	004.8000	0367.7	040.2	65.75
339.0	001.5031	0623.5	049.4	058.1	004.8000	0368.2	041.0	65.39
340.0	001.4715	0629.8	049.4	058.3	004.8000	0369.0	041.9	65.05
341.0	001.4562	0632.5	049.4	058.6	004.8000	0370.2	042.7	64.73
342.0	001.4410	0629.5	049.2	059.1	004.8000	0373.4	043.5	64.49
343.0	001.4258	0624.5	048.9	059.7	004.8000	0377.8	044.3	64.29
344.0	001.4108	0620.5	048.7	060.3	004.8000	0382.1	045.1	64.10
345.0	001.3958	0619.2	048.5	060.7	004.8000	0385.4	045.9	63.87
346.0	001.3809	0620.4	048.5	061.0	004.8000	0387.9	046.7	63.62
347.0	001.3660	0621.7	048.4	061.4	004.8000	0390.2	047.5	63.38
348.0	001.3513	0620.7	048.3	061.8	004.8000	0393.1	048.2	63.16
349.0	001.3366	0618.7	048.1	062.3	004.8000	0395.9	049.0	62.95
350.0	001.3220	0617.1	047.9	062.7	004.8000	0398.2	049.7	62.73
351.0	001.3487	0616.6	048.1	062.8	004.8000	0398.6	050.6	62.41
352.0	001.3755	0618.8	048.4	062.8	004.8000	0398.6	051.5	62.08
353.0	001.4027	0623.3	048.7	062.8	004.8000	0398.3	052.4	61.72
354.0	001.4300	0630.2	049.2	062.6	004.8000	0397.7	053.3	61.34

06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WRVT BLED20101206ACJ

WNCH-New

Channel = 204C2

Max ERP = 4.8 kW

RCAMSL = 663 M

N. Lat. 43 39 31.0

W. Lng. 73 06 25.0

Protected

60 dBu

Channel = 201B

Max ERP = 1.6 kW

RCAMSL = 972.5 M

N. Lat. 43 26 15.0

W. Lng. 72 27 08.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
055.0	004.8000	0374.7	048.0	345.5	001.3887	0619.6	053.8	60.44	
056.0	004.8000	0369.2	047.7	345.6	001.3875	0619.7	052.9	60.77	
057.0	004.8000	0366.5	047.5	345.7	001.3856	0619.9	052.1	61.07	
058.0	004.8000	0367.8	047.6	346.0	001.3801	0620.5	051.3	61.34	
059.0	004.8000	0372.8	047.9	346.6	001.3716	0621.4	050.6	61.58	
060.0	004.8000	0380.1	048.3	347.3	001.3611	0621.7	050.0	61.80	
061.0	004.8000	0387.7	048.7	348.1	001.3503	0620.5	049.3	62.00	
062.0	004.8000	0394.4	049.0	348.8	001.3402	0619.0	048.6	62.20	
063.0	004.8000	0399.4	049.3	349.3	001.3315	0618.2	047.8	62.43	
064.0	004.8000	0402.5	049.5	349.8	001.3246	0617.4	047.0	62.69	
065.0	004.8000	0404.3	049.6	350.2	001.3278	0616.7	046.2	62.99	
066.0	004.8000	0405.1	049.6	350.5	001.3364	0616.4	045.4	63.33	
067.0	004.8000	0403.6	049.5	350.7	001.3406	0616.3	044.5	63.67	
068.0	004.8000	0399.2	049.3	350.7	001.3393	0616.3	043.6	64.02	
069.0	004.8000	0392.8	048.9	350.4	001.3336	0616.4	042.7	64.37	
070.0	004.8000	0384.5	048.5	350.0	001.3233	0617.0	041.8	64.72	
071.0	004.8000	0375.6	048.0	349.6	001.3283	0617.9	040.9	65.12	
072.0	004.8000	0368.5	047.6	349.2	001.3342	0618.5	040.0	65.52	
073.0	004.8000	0362.4	047.3	348.8	001.3395	0618.9	039.2	65.91	
074.0	004.8000	0357.6	047.0	348.5	001.3441	0619.5	038.3	66.30	
075.0	004.8000	0352.4	046.7	348.1	001.3497	0620.4	037.5	66.70	
076.0	004.8000	0346.9	046.4	347.7	001.3562	0621.4	036.7	67.10	
077.0	004.8000	0342.8	046.1	347.3	001.3617	0621.7	035.8	67.48	
078.0	004.8000	0339.9	046.0	347.0	001.3660	0621.7	035.0	67.86	
079.0	004.8000	0337.3	045.8	346.7	001.3706	0621.4	034.3	68.23	
080.0	004.8000	0336.8	045.8	346.6	001.3723	0621.3	033.5	68.60	
081.0	004.8000	0340.4	046.0	346.8	001.3683	0621.6	032.6	68.97	
082.0	004.8000	0346.8	046.4	347.4	001.3601	0621.7	031.8	69.33	
083.0	004.8000	0352.8	046.7	347.9	001.3528	0620.9	031.0	69.71	
084.0	004.8000	0358.0	047.0	348.3	001.3467	0619.9	030.1	70.10	
085.0	004.8000	0363.4	047.3	348.7	001.3404	0619.0	029.3	70.53	
086.0	004.8000	0368.0	047.6	349.1	001.3359	0618.6	028.4	70.99	
087.0	004.8000	0373.1	047.9	349.4	001.3305	0618.1	027.6	71.47	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
088.0	004.8000	0378.7	048.2	349.8	001.3249	0617.4	026.7	71.97
089.0	004.8000	0384.4	048.5	350.2	001.3270	0616.7	025.8	72.52
090.0	004.8000	0390.2	048.8	350.6	001.3372	0616.4	024.9	73.12
091.0	004.8000	0394.5	049.0	350.8	001.3420	0616.3	024.0	73.73
092.0	004.8000	0399.0	049.3	350.9	001.3469	0616.5	023.2	74.35
093.0	004.8000	0403.5	049.5	351.1	001.3512	0616.7	022.3	75.00
094.0	004.8000	0404.2	049.6	350.7	001.3401	0616.3	021.4	75.56
095.0	004.8000	0400.4	049.4	349.5	001.3286	0617.9	020.6	76.12
096.0	004.8000	0396.1	049.1	348.2	001.3481	0620.2	019.9	76.78
097.0	004.8000	0392.1	048.9	346.8	001.3690	0621.5	019.1	77.41
098.0	004.8000	0391.8	048.9	345.8	001.3839	0620.1	018.3	78.04
099.0	004.8000	0392.7	048.9	344.8	001.3981	0619.2	017.5	78.68
100.0	004.8000	0394.2	049.0	343.9	001.4126	0620.9	016.7	79.37
101.0	004.8000	0395.2	049.1	342.6	001.4311	0626.3	015.9	80.11
102.0	004.8000	0395.4	049.1	341.1	001.4545	0632.5	015.2	80.85
103.0	004.8000	0395.5	049.1	339.4	001.4919	0625.9	014.5	81.30
104.0	004.8000	0396.1	049.1	337.4	001.5529	0614.4	013.7	82.03
105.0	004.8000	0398.9	049.3	335.7	001.6000	0606.3	013.0	82.85
106.0	004.8000	0402.3	049.5	333.7	001.6000	0599.7	012.2	83.61
107.0	004.8000	0406.1	049.7	331.5	001.6000	0587.5	011.4	84.35
108.0	004.8000	0410.8	049.9	329.1	001.6000	0574.5	010.7	85.15
109.0	004.8000	0415.5	050.2	326.2	001.6000	0563.3	009.9	85.99
110.0	004.8000	0419.6	050.4	322.6	001.6000	0565.2	009.2	86.90
111.0	004.8000	0423.4	050.6	318.4	001.6000	0563.7	008.6	87.73
112.0	004.8000	0427.6	050.8	313.5	001.6000	0563.0	008.0	88.52
113.0	004.8000	0432.0	051.1	307.8	001.6000	0581.6	007.5	89.35
114.0	004.8000	0436.9	051.3	301.3	001.6000	0583.8	007.1	90.05
115.0	004.8000	0441.4	051.6	294.0	001.6000	0574.9	006.8	90.50
116.0	004.8000	0446.1	051.8	286.1	001.6000	0590.7	006.7	90.83
117.0	004.8000	0450.9	052.1	277.9	001.6000	0563.5	006.6	90.80
118.0	004.8000	0455.3	052.3	270.0	001.6000	0581.8	006.8	90.61
119.0	004.8000	0458.7	052.5	262.7	001.6000	0605.8	007.1	90.13
120.0	004.8000	0461.8	052.7	256.3	001.6000	0633.5	007.6	89.52
121.0	004.8000	0465.2	052.9	250.8	001.6000	0661.8	008.1	88.87
122.0	004.8000	0468.6	053.1	245.9	001.6000	0676.3	008.7	88.12
123.0	004.8000	0471.5	053.2	242.0	001.6000	0660.9	009.4	87.19
124.0	004.8000	0473.3	053.4	239.0	001.6000	0670.4	010.2	86.32
125.0	004.8000	0474.4	053.4	236.7	001.6000	0669.4	011.1	85.39
126.0	004.8000	0475.2	053.5	234.9	001.6000	0653.6	011.9	84.37
127.0	004.8000	0476.0	053.5	233.4	001.6000	0640.7	012.8	83.37
128.0	004.8000	0476.5	053.5	232.2	001.6000	0639.5	013.7	82.48
129.0	004.8000	0476.2	053.5	231.4	001.6000	0642.2	014.6	81.65
130.0	004.8000	0475.0	053.5	231.0	001.6000	0644.9	015.5	81.14
131.0	004.8000	0472.9	053.3	230.8	001.6000	0646.1	016.5	80.43
132.0	004.8000	0470.3	053.2	230.8	001.6000	0646.1	017.4	79.71
133.0	004.8000	0467.0	053.0	230.9	001.6000	0645.0	018.4	78.99
134.0	004.8000	0463.8	052.8	231.1	001.6000	0644.0	019.3	78.27
135.0	004.8000	0461.0	052.7	231.3	001.6000	0643.1	020.2	77.58
136.0	004.8000	0458.4	052.5	231.4	001.6000	0642.3	021.2	76.89
137.0	004.8000	0456.0	052.4	231.6	001.6000	0641.5	022.1	76.23
138.0	004.8000	0452.5	052.2	231.9	001.6000	0640.2	023.0	75.56

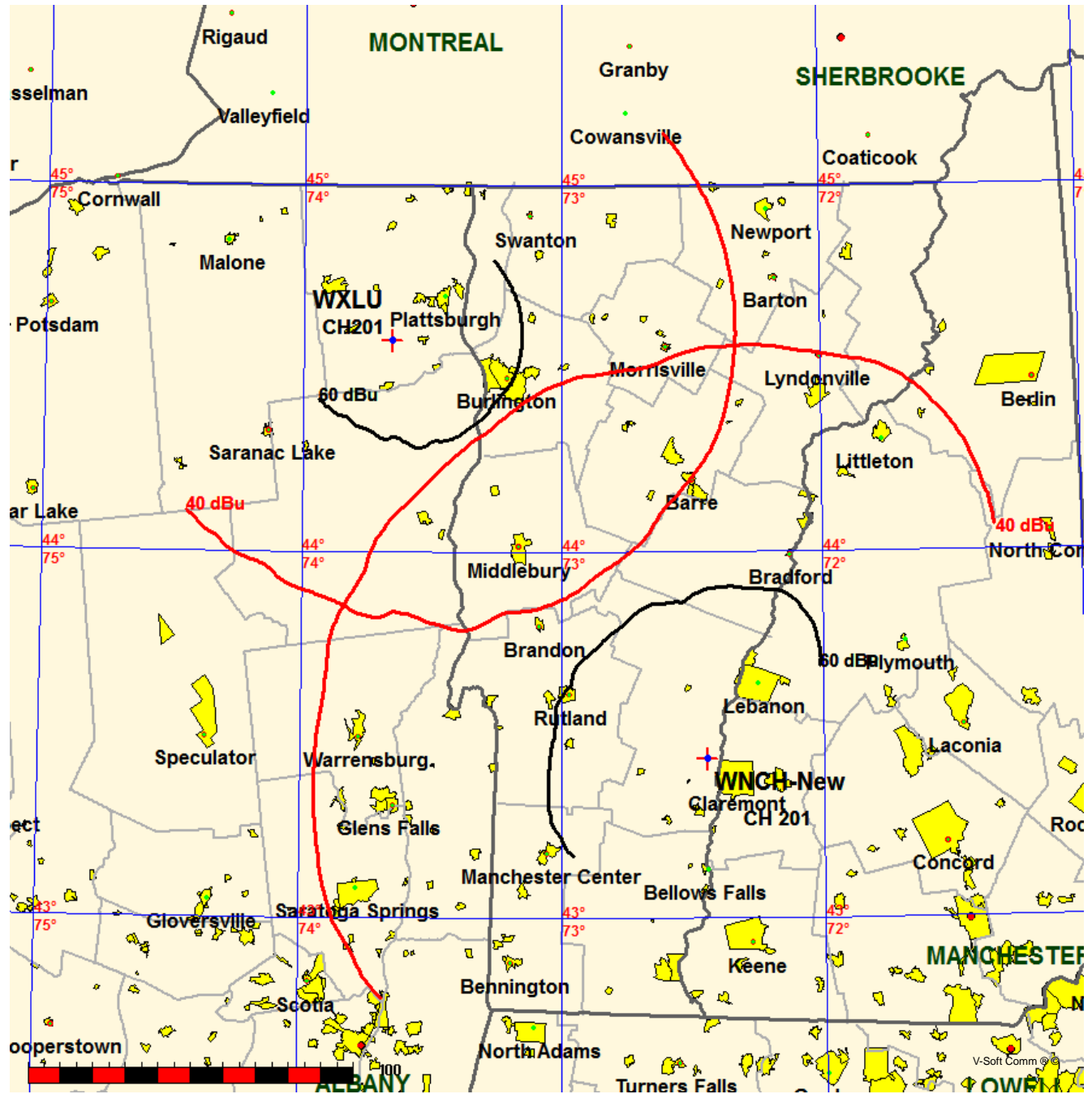
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
139.0	004.8000	0447.5	051.9	232.4	001.6000	0639.2	023.9	74.92
140.0	004.8000	0440.6	051.5	233.2	001.6000	0640.0	024.9	74.32
141.0	004.8000	0432.1	051.1	234.1	001.6000	0646.0	025.8	73.82
142.0	004.8000	0423.8	050.6	235.0	001.6000	0654.8	026.7	73.39
143.0	004.8000	0417.1	050.3	235.7	001.6000	0661.8	027.6	72.96
144.0	004.8000	0412.2	050.0	236.2	001.6000	0665.7	028.5	72.50
145.0	004.8000	0407.8	049.8	236.6	001.6000	0668.6	029.3	72.06
146.0	004.8000	0403.6	049.5	237.0	001.6000	0670.9	030.2	71.62
147.0	004.8000	0399.5	049.3	237.4	001.6000	0672.0	031.1	71.20
148.0	004.8000	0397.4	049.2	237.6	001.6000	0672.3	031.9	70.78
149.0	004.8000	0396.9	049.2	237.7	001.6000	0672.3	032.8	70.38
150.0	004.8000	0396.5	049.1	237.8	001.6000	0672.4	033.6	69.98
151.0	004.8000	0391.9	048.9	238.2	001.6000	0672.2	034.5	69.59
152.0	004.8000	0383.0	048.4	239.1	001.6000	0670.0	035.3	69.18
153.0	004.8000	0371.3	047.8	240.2	001.6000	0665.2	036.1	68.75
154.0	004.8000	0358.3	047.0	241.4	001.6000	0661.4	036.9	68.34
155.0	004.8000	0345.5	046.3	242.7	001.6000	0661.6	037.7	67.99
156.0	004.8000	0333.4	045.6	243.8	001.6000	0665.9	038.4	67.71
157.0	004.8000	0321.8	044.9	244.9	001.6000	0672.2	039.2	67.47
158.0	004.8000	0310.6	044.2	245.9	001.6000	0676.1	039.9	67.19
159.0	004.8000	0300.1	043.6	246.8	001.6000	0677.1	040.7	66.89
160.0	004.8000	0291.9	043.1	247.5	001.6000	0675.5	041.4	66.55
161.0	004.8000	0286.8	042.8	248.0	001.6000	0673.3	042.1	66.22
162.0	004.8000	0284.2	042.6	248.3	001.6000	0671.9	042.9	65.89
163.0	004.8000	0284.5	042.6	248.3	001.6000	0671.7	043.6	65.58
164.0	004.8000	0287.6	042.8	248.2	001.6000	0672.4	044.4	65.29
165.0	004.8000	0289.9	043.0	248.1	001.6000	0672.8	045.1	64.99
166.0	004.8000	0293.6	043.2	248.0	001.6000	0673.5	045.9	64.70
167.0	004.8000	0296.7	043.4	247.9	001.6000	0673.9	046.7	64.41
168.0	004.8000	0296.4	043.4	248.1	001.6000	0673.0	047.4	64.12
169.0	004.8000	0289.5	042.9	248.7	001.6000	0669.7	048.1	63.83
170.0	004.8000	0281.6	042.5	249.4	001.6000	0666.3	048.7	63.55
171.0	004.8000	0273.9	042.0	250.1	001.6000	0663.6	049.4	63.28
172.0	004.8000	0267.3	041.6	250.8	001.6000	0661.8	050.0	63.03
173.0	004.8000	0259.8	041.1	251.5	001.6000	0661.0	050.6	62.80
174.0	004.8000	0247.9	040.4	252.4	001.6000	0659.8	051.1	62.58

Contour-to-Contour Map
Vermont Public Radio

FMCommander Single Allocation Study - 06-23-2011 - FCC NGDC 30 Sec
WNCH-New's Overlaps (In= 15.86 km, Out= 4.04 km)

WNCH-New CH 201 B DA
Lat= 43 26 15.0, Lng= 72 27 08.0
1.6 kW 686.2 M HAAT, 972.5 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WXLU CH 201 C3 BLED20060707ABU
Lat= 44 34 25.0, Lng= 73 40 29.0
1.0 kW 341 M HAAT, 646 M COR
Prot.= 60 dBu, Intef.= 40 dBu



06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WNCH-New

WXLU BLED20060707ABU

Channel = 201B
 Max ERP = 1.6 kW
 RCAMSL = 972.5 M
 N. Lat. 43 26 15.0
 W. Lng. 72 27 08.0
 Protected
 60 dBu

Channel = 201C3
 Max ERP = 1 kW
 RCAMSL = 646 M
 N. Lat. 44 34 25.0
 W. Lng. 73 40 29.0
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
263.0	001.6000	0604.9	049.3	159.5	001.0000	0345.0	141.1	26.81	
264.0	001.6000	0601.6	049.2	159.3	001.0000	0344.6	140.3	26.97	
265.0	001.6000	0597.3	049.0	159.2	001.0000	0344.3	139.5	27.13	
266.0	001.6000	0592.8	048.9	159.0	001.0000	0343.9	138.7	27.29	
267.0	001.6000	0588.7	048.7	158.9	001.0000	0343.6	138.0	27.45	
268.0	001.6000	0585.6	048.6	158.7	001.0000	0343.3	137.2	27.61	
269.0	001.6000	0583.6	048.5	158.5	001.0000	0343.0	136.4	27.78	
270.0	001.6000	0581.8	048.4	158.4	001.0000	0342.7	135.7	27.94	
271.0	001.6000	0580.0	048.3	158.2	001.0000	0342.5	134.9	28.10	
272.0	001.6000	0578.1	048.3	158.1	001.0000	0342.4	134.2	28.27	
273.0	001.6000	0575.9	048.2	157.9	001.0000	0342.4	133.4	28.44	
274.0	001.6000	0572.7	048.0	157.7	001.0000	0342.6	132.7	28.60	
275.0	001.6000	0569.0	047.9	157.4	001.0000	0343.0	132.0	28.77	
276.0	001.6000	0565.3	047.7	157.2	001.0000	0343.5	131.4	28.94	
277.0	001.6000	0563.5	047.6	157.0	001.0000	0344.2	130.7	29.13	
278.0	001.6000	0563.5	047.6	156.8	001.0000	0345.0	130.0	29.32	
279.0	001.6000	0563.2	047.6	156.6	001.0000	0345.9	129.3	29.52	
280.0	001.6000	0563.8	047.6	156.4	001.0000	0346.9	128.5	29.72	
281.0	001.6000	0566.6	047.8	156.3	001.0000	0347.8	127.8	29.93	
282.0	001.6000	0568.9	047.9	156.1	001.0000	0348.9	127.0	30.15	
283.0	001.6000	0572.3	048.0	155.9	001.0000	0350.1	126.3	30.37	
284.0	001.6000	0577.5	048.2	155.8	001.0000	0351.1	125.5	30.60	
285.0	001.6000	0583.1	048.5	155.6	001.0000	0352.2	124.7	30.84	
286.0	001.6000	0589.8	048.7	155.5	001.0000	0353.2	123.8	31.08	
287.0	001.6000	0595.6	049.0	155.3	001.0000	0354.5	123.0	31.32	
288.0	001.6000	0598.2	049.1	155.1	001.0000	0356.0	122.3	31.55	
289.0	001.6000	0598.5	049.1	154.8	001.0000	0357.9	121.7	31.78	
290.0	001.6000	0595.6	049.0	154.5	001.0000	0360.0	121.2	31.99	
291.0	001.6000	0591.0	048.8	154.1	001.0000	0362.1	120.7	32.19	
292.0	001.6000	0586.0	048.6	153.8	001.0000	0364.3	120.3	32.38	
293.0	001.6000	0580.7	048.4	153.4	001.0000	0366.4	119.9	32.56	
294.0	001.6000	0574.9	048.1	153.0	001.0000	0368.5	119.5	32.72	
295.0	001.6000	0569.0	047.9	152.6	001.0000	0370.4	119.2	32.88	
296.0	001.6000	0564.7	047.7	152.3	001.0000	0372.2	118.8	33.03	
297.0	001.6000	0562.8	047.6	151.9	001.0000	0373.6	118.4	33.19	
298.0	001.6000	0564.3	047.7	151.6	001.0000	0374.9	117.9	33.37	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
299.0	001.6000	0568.7	047.9	151.3	001.0000	0375.9	117.3	33.56
300.0	001.6000	0575.1	048.1	151.0	001.0000	0377.0	116.6	33.77
301.0	001.6000	0582.1	048.4	150.8	001.0000	0378.0	115.9	33.98
302.0	001.6000	0587.6	048.7	150.4	001.0000	0379.2	115.3	34.17
303.0	001.6000	0590.7	048.8	150.1	001.0000	0380.2	114.8	34.34
304.0	001.6000	0590.8	048.8	149.7	001.0000	0381.3	114.4	34.47
305.0	001.6000	0589.6	048.7	149.3	001.0000	0382.4	114.0	34.58
306.0	001.6000	0588.0	048.7	148.9	001.0000	0383.4	113.8	34.69
307.0	001.6000	0585.4	048.6	148.5	001.0000	0384.4	113.5	34.78
308.0	001.6000	0580.2	048.4	148.1	001.0000	0385.6	113.4	34.84
309.0	001.6000	0573.8	048.1	147.6	001.0000	0386.8	113.4	34.88
310.0	001.6000	0569.1	047.9	147.2	001.0000	0388.3	113.3	34.95
311.0	001.6000	0566.9	047.8	146.8	001.0000	0389.6	113.2	35.02
312.0	001.6000	0565.5	047.7	146.4	001.0000	0390.9	113.0	35.11
313.0	001.6000	0563.8	047.6	145.9	001.0000	0391.9	112.9	35.17
314.0	001.6000	0562.3	047.6	145.5	001.0000	0392.9	112.8	35.23
315.0	001.6000	0561.7	047.6	145.1	001.0000	0393.7	112.6	35.29
316.0	001.6000	0561.6	047.5	144.7	001.0000	0394.3	112.5	35.34
317.0	001.6000	0562.7	047.6	144.3	001.0000	0394.9	112.3	35.40
318.0	001.6000	0563.5	047.6	143.8	001.0000	0395.6	112.2	35.46
319.0	001.6000	0563.6	047.6	143.4	001.0000	0395.9	112.1	35.49
320.0	001.6000	0563.5	047.6	143.0	001.0000	0396.3	112.0	35.52
321.0	001.6000	0563.5	047.6	142.6	001.0000	0396.3	112.0	35.53
322.0	001.6000	0564.4	047.7	142.1	001.0000	0396.1	111.9	35.54
323.0	001.6000	0565.4	047.7	141.7	001.0000	0395.7	111.9	35.54
324.0	001.6000	0564.4	047.7	141.3	001.0000	0395.2	111.9	35.50
325.0	001.6000	0562.5	047.6	140.9	001.0000	0394.5	112.1	35.45
326.0	001.6000	0562.7	047.6	140.4	001.0000	0394.1	112.1	35.43
327.0	001.6000	0566.6	047.8	140.0	001.0000	0394.0	112.0	35.45
328.0	001.6000	0570.9	048.0	139.6	001.0000	0394.1	111.9	35.47
329.0	001.6000	0574.2	048.1	139.1	001.0000	0394.9	111.9	35.50
330.0	001.6000	0578.1	048.3	138.7	001.0000	0395.7	111.9	35.53
331.0	001.6000	0584.0	048.5	138.3	001.0000	0397.0	111.8	35.58
332.0	001.6000	0590.4	048.8	137.8	001.0000	0398.3	111.8	35.64
333.0	001.6000	0596.3	049.0	137.3	001.0000	0399.6	111.8	35.68
334.0	001.6000	0600.7	049.2	136.9	001.0000	0401.0	111.8	35.70
335.0	001.6000	0604.0	049.3	136.5	001.0000	0402.2	112.0	35.70
336.0	001.6000	0607.6	049.4	136.0	001.0000	0403.5	112.1	35.70
337.0	001.5674	0612.2	049.4	135.6	001.0000	0404.7	112.4	35.66
338.0	001.5351	0617.4	049.4	135.2	001.0000	0405.9	112.8	35.61
339.0	001.5031	0623.5	049.4	134.8	001.0000	0407.0	113.1	35.56
340.0	001.4715	0629.8	049.4	134.4	001.0000	0408.2	113.4	35.50
341.0	001.4562	0632.5	049.4	134.0	001.0000	0409.1	113.8	35.43
342.0	001.4410	0629.5	049.2	133.7	001.0000	0409.9	114.4	35.31
343.0	001.4258	0624.5	048.9	133.3	001.0000	0410.7	115.0	35.16
344.0	001.4108	0620.5	048.7	133.0	001.0000	0411.4	115.7	35.02
345.0	001.3958	0619.2	048.5	132.7	001.0000	0412.3	116.2	34.89
346.0	001.3809	0620.4	048.5	132.4	001.0000	0413.2	116.7	34.79
347.0	001.3660	0621.7	048.4	132.1	001.0000	0414.2	117.3	34.69
348.0	001.3513	0620.7	048.3	131.8	001.0000	0415.3	117.9	34.56
349.0	001.3366	0618.7	048.1	131.5	001.0000	0416.2	118.5	34.42

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
350.0	001.3220	0617.1	047.9	131.2	001.0000	0417.0	119.2	34.28
351.0	001.3487	0616.6	048.1	130.8	001.0000	0418.2	119.5	34.22
352.0	001.3755	0618.8	048.4	130.4	001.0000	0419.2	119.9	34.16
353.0	001.4027	0623.3	048.7	130.0	001.0000	0420.3	120.2	34.12
354.0	001.4300	0630.2	049.2	129.6	001.0000	0421.3	120.4	34.08
355.0	001.4577	0637.8	049.6	129.1	001.0000	0421.9	120.7	34.03
356.0	001.4856	0644.1	050.1	128.7	001.0000	0422.3	121.0	33.96
357.0	001.5138	0649.3	050.4	128.3	001.0000	0422.7	121.4	33.87
358.0	001.5423	0651.1	050.7	127.9	001.0000	0423.1	121.9	33.75
359.0	001.5710	0654.3	051.0	127.6	001.0000	0423.2	122.4	33.63
000.0	001.6000	0657.9	051.3	127.2	001.0000	0423.2	122.9	33.50
001.0	001.6000	0660.5	051.4	126.9	001.0000	0423.0	123.6	33.33
002.0	001.6000	0664.7	051.5	126.6	001.0000	0422.8	124.2	33.16
003.0	001.6000	0670.8	051.7	126.3	001.0000	0422.5	124.8	33.00
004.0	001.6000	0677.2	051.9	126.0	001.0000	0422.1	125.5	32.82
005.0	001.6000	0681.7	052.1	125.7	001.0000	0421.6	126.2	32.63
006.0	001.6000	0686.1	052.2	125.4	001.0000	0421.0	126.9	32.44
007.0	001.6000	0690.9	052.4	125.1	001.0000	0420.6	127.6	32.24
008.0	001.6000	0695.6	052.6	124.9	001.0000	0420.0	128.3	32.04
009.0	001.6000	0697.8	052.6	124.7	001.0000	0419.6	129.1	31.83
010.0	001.6000	0698.1	052.6	124.5	001.0000	0419.3	129.9	31.62
011.0	001.6000	0697.8	052.6	124.3	001.0000	0419.0	130.8	31.40
012.0	001.6000	0699.8	052.7	124.1	001.0000	0418.7	131.6	31.18
013.0	001.6000	0705.7	052.9	123.9	001.0000	0418.4	132.4	30.97
014.0	001.6000	0711.6	053.1	123.7	001.0000	0418.3	133.2	30.76
015.0	001.6000	0717.1	053.3	123.5	001.0000	0418.2	134.0	30.55
016.0	001.6000	0722.1	053.4	123.3	001.0000	0418.4	134.8	30.34
017.0	001.6000	0729.4	053.6	123.1	001.0000	0418.6	135.6	30.14
018.0	001.6000	0738.5	053.9	122.8	001.0000	0418.9	136.5	29.94
019.0	001.6000	0747.9	054.2	122.6	001.0000	0419.3	137.3	29.74
020.0	001.6000	0757.4	054.5	122.4	001.0000	0419.7	138.1	29.54
021.0	001.6000	0767.9	054.8	122.2	001.0000	0420.2	139.0	29.35
022.0	001.6000	0777.8	055.1	122.0	001.0000	0420.7	139.9	29.15

06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WXLU BLED20060707ABU

WNCH-New

Channel = 201C3

Max ERP = 1 kW

RCAMSL = 646 M

N. Lat. 44 34 25.0

W. Lng. 73 40 29.0

Protected

60 dBu

Channel = 201B

Max ERP = 1.6 kW

RCAMSL = 972.5 M

N. Lat. 43 26 15.0

W. Lng. 72 27 08.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
082.0	001.0000	0491.4	039.9	336.4	001.5872	0609.2	144.2	34.16	
083.0	001.0000	0491.5	039.9	336.3	001.5896	0608.9	143.5	34.34	
084.0	001.0000	0491.4	039.9	336.2	001.5925	0608.5	142.9	34.51	
085.0	001.0000	0491.1	039.9	336.1	001.5956	0608.1	142.2	34.68	
086.0	001.0000	0490.5	039.9	336.0	001.5991	0607.7	141.6	34.85	
087.0	001.0000	0490.0	039.8	335.9	001.6000	0607.2	140.9	35.01	
088.0	001.0000	0489.5	039.8	335.8	001.6000	0606.8	140.3	35.16	
089.0	001.0000	0489.2	039.8	335.7	001.6000	0606.3	139.7	35.32	
090.0	001.0000	0488.5	039.8	335.6	001.6000	0605.8	139.0	35.48	
091.0	001.0000	0487.7	039.7	335.4	001.6000	0605.4	138.4	35.63	
092.0	001.0000	0486.7	039.7	335.3	001.6000	0604.8	137.8	35.78	
093.0	001.0000	0485.8	039.7	335.1	001.6000	0604.4	137.2	35.92	
094.0	001.0000	0485.1	039.6	335.0	001.6000	0603.9	136.6	36.07	
095.0	001.0000	0484.8	039.6	334.8	001.6000	0603.4	136.0	36.22	
096.0	001.0000	0484.2	039.6	334.7	001.6000	0602.9	135.5	36.36	
097.0	001.0000	0483.6	039.6	334.5	001.6000	0602.3	134.9	36.51	
098.0	001.0000	0483.0	039.5	334.3	001.6000	0601.8	134.3	36.65	
099.0	001.0000	0482.3	039.5	334.1	001.6000	0601.2	133.8	36.78	
100.0	001.0000	0481.6	039.5	333.9	001.6000	0600.5	133.3	36.92	
101.0	001.0000	0480.7	039.4	333.8	001.6000	0599.7	132.7	37.05	
102.0	001.0000	0479.9	039.4	333.6	001.6000	0598.9	132.2	37.17	
103.0	001.0000	0478.9	039.3	333.4	001.6000	0598.0	131.7	37.30	
104.0	001.0000	0477.8	039.3	333.1	001.6000	0597.0	131.2	37.42	
105.0	001.0000	0476.5	039.2	332.9	001.6000	0595.9	130.7	37.53	
106.0	001.0000	0475.0	039.2	332.7	001.6000	0594.7	130.3	37.63	
107.0	001.0000	0473.3	039.1	332.5	001.6000	0593.3	129.9	37.73	
108.0	001.0000	0471.2	039.0	332.2	001.6000	0591.9	129.4	37.82	
109.0	001.0000	0468.6	038.9	332.0	001.6000	0590.2	129.1	37.90	
110.0	001.0000	0465.5	038.8	331.7	001.6000	0588.6	128.7	37.98	
111.0	001.0000	0461.7	038.6	331.4	001.6000	0586.8	128.4	38.04	
112.0	001.0000	0457.3	038.4	331.1	001.6000	0584.9	128.1	38.09	
113.0	001.0000	0452.9	038.2	330.9	001.6000	0583.0	127.9	38.13	
114.0	001.0000	0449.0	038.0	330.6	001.6000	0581.3	127.6	38.18	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
115.0	001.0000	0445.8	037.9	330.3	001.6000	0579.6	127.3	38.23
116.0	001.0000	0442.3	037.8	330.0	001.6000	0578.1	127.1	38.28
117.0	001.0000	0438.3	037.6	329.7	001.6000	0576.8	126.9	38.31
118.0	001.0000	0434.1	037.4	329.4	001.6000	0575.6	126.7	38.35
119.0	001.0000	0430.2	037.3	329.1	001.6000	0574.6	126.5	38.39
120.0	001.0000	0426.9	037.1	328.9	001.6000	0573.7	126.3	38.43
121.0	001.0000	0423.7	037.0	328.6	001.6000	0572.9	126.1	38.46
122.0	001.0000	0420.7	036.9	328.3	001.6000	0571.9	125.9	38.50
123.0	001.0000	0418.7	036.8	328.0	001.6000	0570.9	125.7	38.53
124.0	001.0000	0418.5	036.8	327.7	001.6000	0569.9	125.5	38.59
125.0	001.0000	0420.3	036.8	327.5	001.6000	0568.8	125.1	38.66
126.0	001.0000	0422.2	036.9	327.2	001.6000	0567.6	124.8	38.72
127.0	001.0000	0423.1	037.0	326.9	001.6000	0566.3	124.6	38.77
128.0	001.0000	0423.0	037.0	326.7	001.6000	0565.1	124.4	38.80
129.0	001.0000	0422.0	036.9	326.4	001.6000	0563.9	124.2	38.83
130.0	001.0000	0420.4	036.8	326.1	001.6000	0562.9	124.1	38.84
131.0	001.0000	0417.7	036.7	325.8	001.6000	0562.4	124.0	38.85
132.0	001.0000	0414.4	036.6	325.5	001.6000	0562.2	124.0	38.85
133.0	001.0000	0411.5	036.5	325.2	001.6000	0562.3	124.0	38.86
134.0	001.0000	0409.1	036.4	324.9	001.6000	0562.7	124.0	38.87
135.0	001.0000	0406.4	036.3	324.6	001.6000	0563.2	124.0	38.88
136.0	001.0000	0403.5	036.2	324.3	001.6000	0563.8	124.0	38.89
137.0	001.0000	0400.6	036.0	324.0	001.6000	0564.4	124.0	38.89
138.0	001.0000	0397.7	035.9	323.7	001.6000	0564.9	124.1	38.88
139.0	001.0000	0395.1	035.8	323.4	001.6000	0565.2	124.1	38.87
140.0	001.0000	0394.0	035.8	323.1	001.6000	0565.4	124.1	38.87
141.0	001.0000	0394.7	035.8	322.8	001.6000	0565.3	124.1	38.89
142.0	001.0000	0396.0	035.8	322.6	001.6000	0565.2	124.0	38.90
143.0	001.0000	0396.3	035.9	322.3	001.6000	0564.8	124.0	38.90
144.0	001.0000	0395.3	035.8	322.0	001.6000	0564.4	124.1	38.87
145.0	001.0000	0393.9	035.8	321.7	001.6000	0564.2	124.2	38.84
146.0	001.0000	0391.8	035.7	321.4	001.6000	0564.0	124.3	38.81
147.0	001.0000	0388.9	035.6	321.1	001.6000	0563.7	124.5	38.75
148.0	001.0000	0385.8	035.4	320.9	001.6000	0563.5	124.7	38.70
149.0	001.0000	0383.2	035.3	320.6	001.6000	0563.5	124.9	38.65
150.0	001.0000	0380.5	035.2	320.3	001.6000	0563.4	125.1	38.59
151.0	001.0000	0377.1	035.1	320.1	001.6000	0563.5	125.3	38.52
152.0	001.0000	0373.3	034.9	319.8	001.6000	0563.5	125.6	38.45
153.0	001.0000	0368.6	034.7	319.6	001.6000	0563.5	125.9	38.36
154.0	001.0000	0363.0	034.5	319.3	001.6000	0563.5	126.3	38.25
155.0	001.0000	0356.6	034.2	319.1	001.6000	0563.6	126.8	38.13
156.0	001.0000	0349.7	033.8	318.9	001.6000	0563.7	127.3	38.00
157.0	001.0000	0344.3	033.6	318.7	001.6000	0563.8	127.7	37.89
158.0	001.0000	0342.4	033.5	318.5	001.6000	0563.7	128.0	37.81
159.0	001.0000	0343.9	033.5	318.2	001.6000	0563.6	128.1	37.77
160.0	001.0000	0346.2	033.7	317.9	001.6000	0563.5	128.2	37.74
161.0	001.0000	0348.7	033.8	317.7	001.6000	0563.3	128.3	37.71
162.0	001.0000	0350.8	033.9	317.4	001.6000	0563.1	128.5	37.66
163.0	001.0000	0352.6	034.0	317.2	001.6000	0562.8	128.7	37.61
164.0	001.0000	0355.0	034.1	316.9	001.6000	0562.6	128.8	37.57
165.0	001.0000	0356.8	034.2	316.7	001.6000	0562.2	129.0	37.51

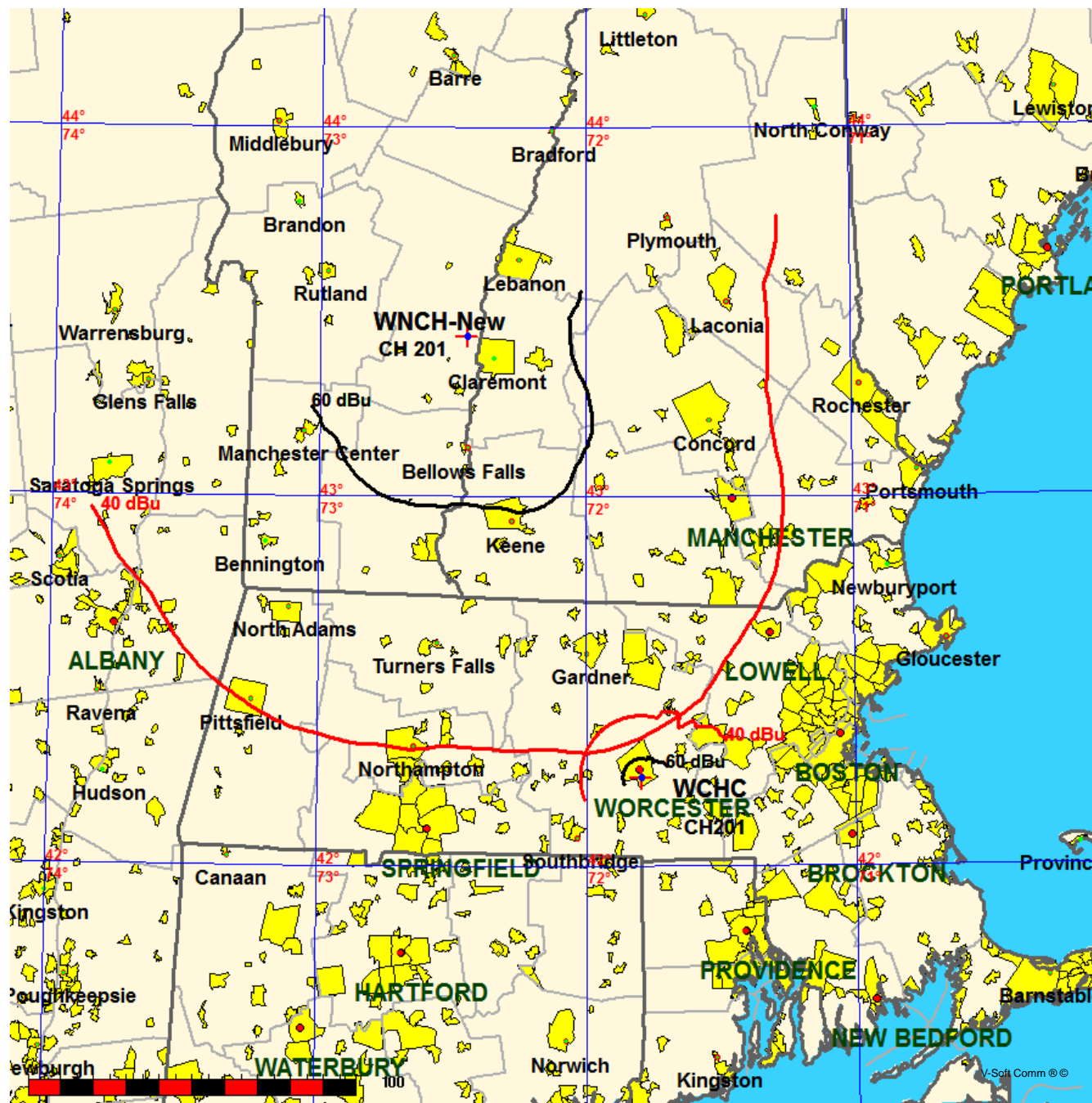
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
166.0	001.0000	0355.3	034.1	316.5	001.6000	0562.0	129.4	37.41
167.0	001.0000	0350.7	033.9	316.3	001.6000	0561.9	129.9	37.28
168.0	001.0000	0344.4	033.6	316.1	001.6000	0561.7	130.5	37.12
169.0	001.0000	0335.5	033.1	316.0	001.6000	0561.6	131.2	36.94
170.0	001.0000	0326.2	032.6	316.0	001.6000	0561.6	131.9	36.74
171.0	001.0000	0319.3	032.2	315.9	001.6000	0561.5	132.5	36.58
172.0	001.0000	0312.8	031.9	315.7	001.6000	0561.4	133.1	36.41
173.0	001.0000	0305.8	031.5	315.7	001.6000	0561.4	133.8	36.25
174.0	001.0000	0298.2	031.1	315.6	001.6000	0561.4	134.4	36.08
175.0	001.0000	0290.5	030.7	315.5	001.6000	0561.4	135.0	35.91
176.0	001.0000	0282.1	030.3	315.5	001.6000	0561.4	135.7	35.73
177.0	001.0000	0276.5	030.0	315.4	001.6000	0561.5	136.3	35.58
178.0	001.0000	0272.8	029.8	315.3	001.6000	0561.5	136.8	35.46
179.0	001.0000	0270.3	029.7	315.2	001.6000	0561.6	137.2	35.34
180.0	001.0000	0267.9	029.5	315.1	001.6000	0561.7	137.7	35.22
181.0	001.0000	0273.7	029.8	314.8	001.6000	0561.7	137.9	35.18
182.0	001.0000	0281.0	030.2	314.6	001.6000	0561.7	138.0	35.15
183.0	001.0000	0286.3	030.5	314.3	001.6000	0561.9	138.2	35.10
184.0	001.0000	0287.0	030.6	314.2	001.6000	0562.0	138.6	35.00
185.0	001.0000	0286.0	030.5	314.1	001.6000	0562.2	139.0	34.88
186.0	001.0000	0283.5	030.4	314.0	001.6000	0562.3	139.5	34.76
187.0	001.0000	0280.2	030.2	313.9	001.6000	0562.4	140.0	34.62
188.0	001.0000	0276.8	030.0	313.8	001.6000	0562.5	140.6	34.49
189.0	001.0000	0272.1	029.8	313.8	001.6000	0562.6	141.1	34.34
190.0	001.0000	0265.4	029.4	313.8	001.6000	0562.6	141.8	34.18
191.0	001.0000	0259.3	029.1	313.8	001.6000	0562.5	142.4	34.02
192.0	001.0000	0256.0	028.9	313.8	001.6000	0562.6	142.9	33.89
193.0	001.0000	0253.9	028.8	313.7	001.6000	0562.7	143.4	33.76
194.0	001.0000	0251.5	028.7	313.6	001.6000	0562.7	143.9	33.63
195.0	001.0000	0249.7	028.6	313.6	001.6000	0562.8	144.3	33.51
196.0	001.0000	0249.1	028.5	313.5	001.6000	0562.9	144.8	33.39
197.0	001.0000	0248.3	028.5	313.4	001.6000	0563.1	145.3	33.28
198.0	001.0000	0247.3	028.4	313.4	001.6000	0563.1	145.7	33.16
199.0	001.0000	0246.6	028.4	313.3	001.6000	0563.2	146.2	33.04
200.0	001.0000	0246.6	028.4	313.2	001.6000	0563.3	146.7	32.93
201.0	001.0000	0247.1	028.4	313.2	001.6000	0563.5	147.1	32.81

Contour-to-Contour Map
Vermont Public Radio

FMCommander Single Allocation Study - 06-23-2011 - FCC NGDC 30 Sec
WNCH-New's Overlaps (In= 68.49 km, Out= 5.45 km)

WNCH-New CH 201 B DA
Lat= 43 26 15.0, Lng= 72 27 08.0
1.6 kW 686.2 M HAAT, 972.5 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WCHC CH 201 A BLED19880916KA
Lat= 42 14 15.0, Lng= 71 48 31.0
0.1 kW -2 M HAAT, 195 M COR
Prot.= 60 dBu, Intef.= 40 dBu



06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WNCH-New

WCHC BLED19880916KA

Channel = 201B

Max ERP = 1.6 kW

RCAMSL = 972.5 M

N. Lat. 43 26 15.0

W. Lng. 72 27 08.0

Protected

60 dBu

Channel = 201A

Max ERP = 0.1 kW

RCAMSL = 195 M

N. Lat. 42 14 15.0

W. Lng. 71 48 31.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
098.0	000.1843	0676.1	031.8	350.8	000.1000	-0004.8	130.7	10.00	
099.0	000.1846	0677.9	031.9	350.8	000.1000	-0004.9	130.1	10.11	
100.0	000.1850	0680.3	032.0	350.7	000.1000	-0005.0	129.6	10.21	
101.0	000.1947	0680.6	032.4	350.8	000.1000	-0004.8	128.9	10.34	
102.0	000.2046	0678.9	032.8	350.9	000.1000	-0004.7	128.2	10.47	
103.0	000.2148	0676.7	033.2	350.9	000.1000	-0004.6	127.6	10.60	
104.0	000.2253	0674.7	033.5	351.0	000.1000	-0004.5	126.9	10.72	
105.0	000.2360	0672.9	033.9	351.0	000.1000	-0004.5	126.2	10.85	
106.0	000.2469	0672.3	034.3	351.1	000.1000	-0004.4	125.5	10.99	
107.0	000.2581	0674.3	034.7	351.1	000.1000	-0004.3	124.8	11.13	
108.0	000.2695	0679.4	035.3	351.2	000.1000	-0004.2	124.0	11.28	
109.0	000.2812	0686.5	035.9	351.3	000.1000	-0004.1	123.2	11.44	
110.0	000.2932	0695.6	036.5	351.5	000.1000	-0004.0	122.3	11.60	
111.0	000.3085	0705.1	037.3	351.6	000.1000	-0003.9	121.4	11.78	
112.0	000.3243	0714.7	038.0	351.8	000.1000	-0003.8	120.4	11.96	
113.0	000.3405	0724.4	038.7	351.9	000.1000	-0003.8	119.5	12.14	
114.0	000.3570	0733.4	039.4	352.0	000.1000	-0003.8	118.5	12.33	
115.0	000.3740	0742.1	040.1	352.1	000.1000	-0003.9	117.6	12.51	
116.0	000.3913	0749.9	040.8	352.2	000.1000	-0003.9	116.6	12.70	
117.0	000.4091	0756.8	041.4	352.2	000.1000	-0003.9	115.7	12.88	
118.0	000.4272	0763.8	042.0	352.3	000.1000	-0003.9	114.7	13.07	
119.0	000.4457	0771.2	042.6	352.3	000.1000	-0004.0	113.8	13.25	
120.0	000.4646	0779.3	043.2	352.3	000.1000	-0004.0	112.8	13.44	
121.0	000.4865	0787.4	043.9	352.3	000.1000	-0004.0	111.8	13.64	
122.0	000.5094	0794.5	044.6	352.3	000.1000	-0004.0	110.8	13.84	
123.0	000.5335	0800.9	045.2	352.3	000.1000	-0004.0	109.8	14.04	
124.0	000.5586	0806.1	045.8	352.3	000.1000	-0004.0	108.8	14.23	
125.0	000.5849	0810.6	046.3	352.2	000.1000	-0003.9	107.8	14.43	
126.0	000.6125	0814.8	046.9	352.1	000.1000	-0003.9	106.9	14.62	
127.0	000.6414	0818.2	047.4	352.0	000.1000	-0003.8	105.9	14.81	
128.0	000.6716	0820.0	047.9	351.9	000.1000	-0003.8	105.0	15.00	
129.0	000.7032	0819.6	048.3	351.7	000.1000	-0003.8	104.1	15.18	
130.0	000.7364	0816.4	048.7	351.5	000.1000	-0004.0	103.2	15.34	
131.0	000.7711	0811.3	049.0	351.2	000.1000	-0004.2	102.4	15.50	
132.0	000.8074	0805.7	049.3	351.0	000.1000	-0004.5	101.7	15.65	
133.0	000.8455	0800.1	049.6	350.7	000.1000	-0005.0	100.9	15.81	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
134.0	000.8853	0794.4	049.9	350.4	000.1000	-0005.6	100.2	15.96
135.0	000.9270	0788.1	050.1	350.1	000.1000	-0006.2	099.4	16.10
136.0	000.9707	0782.0	050.4	349.8	000.1000	-0006.7	098.7	16.25
137.0	001.0165	0776.8	050.7	349.4	000.1000	-0007.1	098.0	16.39
138.0	001.0644	0772.2	051.0	349.1	000.1000	-0007.5	097.3	16.54
139.0	001.1146	0767.3	051.3	348.7	000.1000	-0008.0	096.6	16.68
140.0	001.1671	0763.2	051.6	348.3	000.1000	-0008.6	095.8	16.82
141.0	001.2221	0761.6	052.0	348.0	000.1000	-0009.4	095.1	16.98
142.0	001.2797	0763.4	052.5	347.6	000.1000	-0010.3	094.2	17.15
143.0	001.3400	0767.5	053.1	347.2	000.1000	-0011.6	093.3	17.34
144.0	001.4031	0772.4	053.7	346.8	000.1000	-0013.2	092.4	17.52
145.0	001.4693	0776.7	054.2	346.4	000.1000	-0014.9	091.5	17.70
146.0	001.5385	0780.5	054.8	346.0	000.1000	-0016.7	090.7	17.88
147.0	001.6000	0785.5	055.3	345.5	000.1000	-0018.4	089.9	18.04
148.0	001.6000	0790.3	055.5	345.0	000.1000	-0020.3	089.4	18.13
149.0	001.6000	0794.0	055.6	344.4	000.1000	-0022.0	089.1	18.21
150.0	001.6000	0797.5	055.7	343.8	000.1000	-0023.6	088.7	18.28
151.0	001.6000	0802.7	055.8	343.2	000.1000	-0025.2	088.4	18.35
152.0	001.6000	0809.7	056.0	342.6	000.1000	-0026.3	088.0	18.43
153.0	001.6000	0816.3	056.2	342.0	000.1000	-0027.0	087.7	18.50
154.0	001.6000	0820.8	056.3	341.4	000.1000	-0027.5	087.4	18.55
155.0	001.6000	0823.1	056.3	340.8	000.1000	-0028.0	087.2	18.59
156.0	001.6000	0823.7	056.4	340.1	000.1000	-0028.9	087.1	18.61
157.0	001.6000	0823.4	056.4	339.5	000.1000	-0030.4	087.1	18.62
158.0	001.6000	0823.2	056.3	338.8	000.1000	-0032.5	087.1	18.62
159.0	001.6000	0822.5	056.3	338.2	000.1000	-0035.1	087.1	18.62
160.0	001.6000	0820.4	056.3	337.6	000.1000	-0037.9	087.2	18.60
161.0	001.6000	0816.8	056.2	336.9	000.1000	-0040.5	087.3	18.57
162.0	001.6000	0811.5	056.0	336.3	000.1000	-0042.9	087.6	18.52
163.0	001.6000	0803.7	055.8	335.7	000.1000	-0044.9	087.9	18.45
164.0	001.6000	0792.2	055.5	335.1	000.1000	-0046.4	088.3	18.36
165.0	001.6000	0775.7	055.0	334.5	000.1000	-0047.5	089.0	18.23
166.0	001.6000	0756.9	054.5	334.0	000.1000	-0048.4	089.7	18.08
167.0	001.6000	0737.8	053.9	333.5	000.1000	-0049.2	090.5	17.92
168.0	001.6000	0720.5	053.4	333.0	000.1000	-0049.9	091.2	17.77
169.0	001.6000	0708.2	053.0	332.5	000.1000	-0050.6	091.8	17.64
170.0	001.6000	0702.9	052.8	332.0	000.1000	-0051.2	092.3	17.55
171.0	001.6000	0699.1	052.7	331.5	000.1000	-0051.6	092.7	17.46
172.0	001.6000	0693.6	052.5	331.0	000.1000	-0051.8	093.2	17.36
173.0	001.6000	0689.2	052.3	330.6	000.1000	-0051.6	093.7	17.26
174.0	001.6000	0685.6	052.2	330.1	000.1000	-0051.2	094.1	17.17
175.0	001.6000	0678.8	052.0	329.6	000.1000	-0050.6	094.7	17.05
176.0	001.6000	0670.4	051.7	329.2	000.1000	-0050.0	095.4	16.92
177.0	001.6000	0662.3	051.4	328.8	000.1000	-0049.2	096.0	16.78
178.0	001.6000	0657.1	051.2	328.4	000.1000	-0048.5	096.6	16.66
179.0	001.6000	0652.4	051.1	328.0	000.1000	-0047.8	097.2	16.54
180.0	001.6000	0649.6	051.0	327.6	000.1000	-0047.2	097.8	16.43
181.0	001.6000	0647.0	050.9	327.2	000.1000	-0046.9	098.4	16.32
182.0	001.6000	0644.1	050.8	326.8	000.1000	-0046.9	098.9	16.20
183.0	001.6000	0643.3	050.7	326.4	000.1000	-0047.1	099.5	16.09
184.0	001.6000	0647.5	050.9	326.0	000.1000	-0047.7	099.9	16.01

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
185.0	001.6000	0654.3	051.1	325.5	000.1000	-0048.8	100.3	15.93
186.0	001.6000	0666.4	051.6	325.0	000.1000	-0050.3	100.5	15.88
187.0	001.6000	0677.2	051.9	324.5	000.1000	-0051.9	100.9	15.82
188.0	001.6000	0684.9	052.2	324.0	000.1000	-0053.5	101.3	15.73
189.0	001.6000	0687.9	052.3	323.6	000.1000	-0054.9	101.9	15.62
190.0	001.6000	0687.7	052.3	323.2	000.1000	-0056.3	102.5	15.48
191.0	001.6000	0686.7	052.3	322.9	000.1000	-0057.7	103.2	15.34
192.0	001.6000	0687.1	052.3	322.6	000.1000	-0059.2	103.9	15.21
193.0	001.6000	0690.9	052.4	322.2	000.1000	-0061.1	104.5	15.08
194.0	001.6000	0699.5	052.7	321.8	000.1000	-0063.6	105.1	14.98
195.0	001.6000	0711.2	053.1	321.3	000.1000	-0066.3	105.6	14.87
196.0	001.6000	0718.8	053.3	320.9	000.1000	-0068.7	106.2	14.75
197.0	001.6000	0721.8	053.4	320.6	000.1000	-0070.6	106.9	14.61
198.0	001.6000	0724.2	053.5	320.3	000.1000	-0072.3	107.7	14.46
199.0	001.6000	0728.0	053.6	320.0	000.1000	-0073.9	108.4	14.32
200.0	001.6000	0731.8	053.7	319.7	000.1000	-0075.4	109.1	14.17
201.0	001.6000	0736.6	053.9	319.4	000.1000	-0076.8	109.9	14.02
202.0	001.6000	0742.8	054.1	319.1	000.1000	-0078.2	110.6	13.87
203.0	001.6000	0748.8	054.2	318.8	000.1000	-0079.5	111.4	13.72
204.0	001.6000	0753.9	054.4	318.5	000.1000	-0080.7	112.2	13.57
205.0	001.6000	0758.7	054.5	318.3	000.1000	-0081.7	113.0	13.41
206.0	001.6000	0762.6	054.7	318.1	000.1000	-0082.7	113.8	13.24
207.0	001.6000	0765.1	054.7	317.9	000.1000	-0083.6	114.7	13.08
208.0	001.6000	0766.1	054.8	317.7	000.1000	-0084.4	115.6	12.90
209.0	001.6000	0766.3	054.8	317.5	000.1000	-0085.0	116.5	12.73
210.0	001.6000	0765.6	054.7	317.4	000.1000	-0085.5	117.4	12.55
211.0	001.6000	0763.4	054.7	317.3	000.1000	-0085.9	118.3	12.37
212.0	001.6000	0760.2	054.6	317.2	000.1000	-0086.2	119.3	12.19
213.0	001.6000	0757.3	054.5	317.2	000.1000	-0086.5	120.2	12.00
214.0	001.6000	0755.2	054.4	317.1	000.1000	-0086.8	121.1	11.82
215.0	001.6000	0753.9	054.4	317.0	000.1000	-0087.1	122.1	11.64
216.0	001.6000	0753.2	054.4	317.0	000.1000	-0087.3	123.0	11.47
217.0	001.6000	0752.0	054.3	316.9	000.1000	-0087.6	123.9	11.29

06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WCHC BLED19880916KA

WNCH-New

Channel = 201A

Max ERP = 0.1 kW

RCAMSL = 195 M

N. Lat. 42 14 15.0

W. Lng. 71 48 31.0

Protected

60 dBu

Channel = 201B

Max ERP = 1.6 kW

RCAMSL = 972.5 M

N. Lat. 43 26 15.0

W. Lng. 72 27 08.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
279.0	000.1000	-0071.6	005.6	160.3	001.6000	0819.4	140.6	37.67	
280.0	000.1000	-0072.1	005.6	160.3	001.6000	0819.5	140.5	37.70	
281.0	000.1000	-0071.8	005.6	160.3	001.6000	0819.5	140.4	37.72	
282.0	000.1000	-0071.3	005.6	160.2	001.6000	0819.6	140.3	37.74	
283.0	000.1000	-0072.0	005.6	160.2	001.6000	0819.7	140.3	37.77	
284.0	000.1000	-0073.8	005.6	160.2	001.6000	0819.8	140.2	37.79	
285.0	000.1000	-0075.4	005.6	160.2	001.6000	0819.8	140.1	37.82	
286.0	000.1000	-0076.6	005.6	160.2	001.6000	0819.9	140.0	37.84	
287.0	000.1000	-0076.9	005.6	160.1	001.6000	0820.0	139.9	37.86	
288.0	000.1000	-0077.7	005.6	160.1	001.6000	0820.1	139.8	37.88	
289.0	000.1000	-0079.3	005.6	160.1	001.6000	0820.1	139.8	37.91	
290.0	000.1000	-0081.9	005.6	160.1	001.6000	0820.2	139.7	37.93	
291.0	000.1000	-0084.6	005.6	160.0	001.6000	0820.3	139.6	37.95	
292.0	000.1000	-0086.9	005.6	160.0	001.6000	0820.4	139.5	37.97	
293.0	000.1000	-0088.5	005.6	160.0	001.6000	0820.5	139.5	37.99	
294.0	000.1000	-0090.0	005.6	160.0	001.6000	0820.5	139.4	38.01	
295.0	000.1000	-0090.7	005.6	159.9	001.6000	0820.6	139.3	38.03	
296.0	000.1000	-0090.9	005.6	159.9	001.6000	0820.7	139.3	38.05	
297.0	000.1000	-0090.5	005.6	159.9	001.6000	0820.8	139.2	38.07	
298.0	000.1000	-0090.2	005.6	159.8	001.6000	0820.9	139.1	38.09	
299.0	000.1000	-0089.8	005.6	159.8	001.6000	0820.9	139.1	38.11	
300.0	000.1000	-0089.7	005.6	159.8	001.6000	0821.0	139.0	38.13	
301.0	000.1000	-0089.8	005.6	159.7	001.6000	0821.1	138.9	38.15	
302.0	000.1000	-0090.7	005.6	159.7	001.6000	0821.2	138.9	38.16	
303.0	000.1000	-0092.3	005.6	159.7	001.6000	0821.2	138.8	38.18	
304.0	000.1000	-0094.1	005.6	159.6	001.6000	0821.3	138.8	38.20	
305.0	000.1000	-0095.1	005.6	159.6	001.6000	0821.4	138.7	38.21	
306.0	000.1000	-0095.3	005.6	159.6	001.6000	0821.5	138.6	38.23	
307.0	000.1000	-0094.8	005.6	159.5	001.6000	0821.5	138.6	38.25	
308.0	000.1000	-0094.6	005.6	159.5	001.6000	0821.6	138.5	38.26	
309.0	000.1000	-0094.7	005.6	159.5	001.6000	0821.7	138.5	38.28	
310.0	000.1000	-0094.9	005.6	159.4	001.6000	0821.8	138.4	38.29	
311.0	000.1000	-0095.2	005.6	159.4	001.6000	0821.8	138.4	38.30	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
312.0	000.1000	-0095.5	005.6	159.4	001.6000	0821.9	138.3	38.32
313.0	000.1000	-0095.4	005.6	159.3	001.6000	0822.0	138.3	38.33
314.0	000.1000	-0094.8	005.6	159.3	001.6000	0822.1	138.3	38.34
315.0	000.1000	-0093.3	005.6	159.3	001.6000	0822.1	138.2	38.36
316.0	000.1000	-0090.9	005.6	159.2	001.6000	0822.2	138.2	38.37
317.0	000.1000	-0087.2	005.6	159.2	001.6000	0822.3	138.1	38.38
318.0	000.1000	-0083.0	005.6	159.1	001.6000	0822.3	138.1	38.39
319.0	000.1000	-0078.7	005.6	159.1	001.6000	0822.3	138.1	38.40
320.0	000.1000	-0074.0	005.6	159.1	001.6000	0822.4	138.0	38.41
321.0	000.1000	-0068.3	005.6	159.0	001.6000	0822.4	138.0	38.42
322.0	000.1000	-0062.4	005.6	159.0	001.6000	0822.5	138.0	38.43
323.0	000.1000	-0057.3	005.6	159.0	001.6000	0822.5	137.9	38.44
324.0	000.1000	-0053.5	005.6	158.9	001.6000	0822.6	137.9	38.44
325.0	000.1000	-0050.2	005.6	158.9	001.6000	0822.6	137.9	38.45
326.0	000.1000	-0047.7	005.6	158.8	001.6000	0822.7	137.9	38.46
327.0	000.1000	-0046.9	005.6	158.8	001.6000	0822.7	137.8	38.46
328.0	000.1000	-0047.8	005.6	158.8	001.6000	0822.7	137.8	38.47
329.0	000.1000	-0049.5	005.6	158.7	001.6000	0822.8	137.8	38.47
330.0	000.1000	-0051.1	005.6	158.7	001.6000	0822.8	137.8	38.48
331.0	000.1000	-0051.7	005.6	158.6	001.6000	0822.9	137.8	38.48
332.0	000.1000	-0051.3	005.6	158.6	001.6000	0822.9	137.8	38.49
333.0	000.1000	-0050.0	005.6	158.6	001.6000	0822.9	137.7	38.49
334.0	000.1000	-0048.4	005.6	158.5	001.6000	0823.0	137.7	38.49
335.0	000.1000	-0046.6	005.6	158.5	001.6000	0823.0	137.7	38.50
336.0	000.1000	-0043.9	005.6	158.4	001.6000	0823.1	137.7	38.50
337.0	000.1000	-0040.2	005.6	158.4	001.6000	0823.1	137.7	38.50
338.0	000.1000	-0035.9	005.6	158.3	001.6000	0823.1	137.7	38.50
339.0	000.1000	-0031.9	005.6	158.3	001.6000	0823.1	137.7	38.50
340.0	000.1000	-0029.2	005.6	158.3	001.6000	0823.1	137.7	38.50
341.0	000.1000	-0027.8	005.6	158.2	001.6000	0823.1	137.7	38.50
342.0	000.1000	-0027.0	005.6	158.2	001.6000	0823.1	137.7	38.50
343.0	000.1000	-0025.7	005.6	158.1	001.6000	0823.2	137.7	38.50
344.0	000.1000	-0023.1	005.6	158.1	001.6000	0823.2	137.7	38.49
345.0	000.1000	-0020.2	005.6	158.1	001.6000	0823.2	137.8	38.49
346.0	000.1000	-0016.6	005.6	158.0	001.6000	0823.2	137.8	38.49
347.0	000.1000	-0012.5	005.6	158.0	001.6000	0823.2	137.8	38.49
348.0	000.1000	-0009.3	005.6	157.9	001.6000	0823.2	137.8	38.48
349.0	000.1000	-0007.6	005.6	157.9	001.6000	0823.2	137.8	38.48
350.0	000.1000	-0006.4	005.6	157.9	001.6000	0823.3	137.8	38.47
351.0	000.1000	-0004.5	005.6	157.8	001.6000	0823.3	137.9	38.47
352.0	000.1000	-0003.8	005.6	157.8	001.6000	0823.3	137.9	38.46
353.0	000.1000	-0004.4	005.6	157.7	001.6000	0823.3	137.9	38.45
354.0	000.1000	-0004.6	005.6	157.7	001.6000	0823.3	137.9	38.45
355.0	000.1000	-0003.1	005.6	157.7	001.6000	0823.3	138.0	38.44
356.0	000.1000	-0002.5	005.6	157.6	001.6000	0823.3	138.0	38.43
357.0	000.1000	-0001.6	005.6	157.6	001.6000	0823.3	138.0	38.42
358.0	000.1000	-0002.5	005.6	157.5	001.6000	0823.3	138.0	38.41
359.0	000.1000	-0004.5	005.6	157.5	001.6000	0823.3	138.1	38.40
000.0	000.1000	-0006.4	005.6	157.5	001.6000	0823.3	138.1	38.39
001.0	000.1000	0000.5	005.6	157.4	001.6000	0823.3	138.2	38.38
002.0	000.1000	0008.4	005.6	157.4	001.6000	0823.3	138.2	38.37

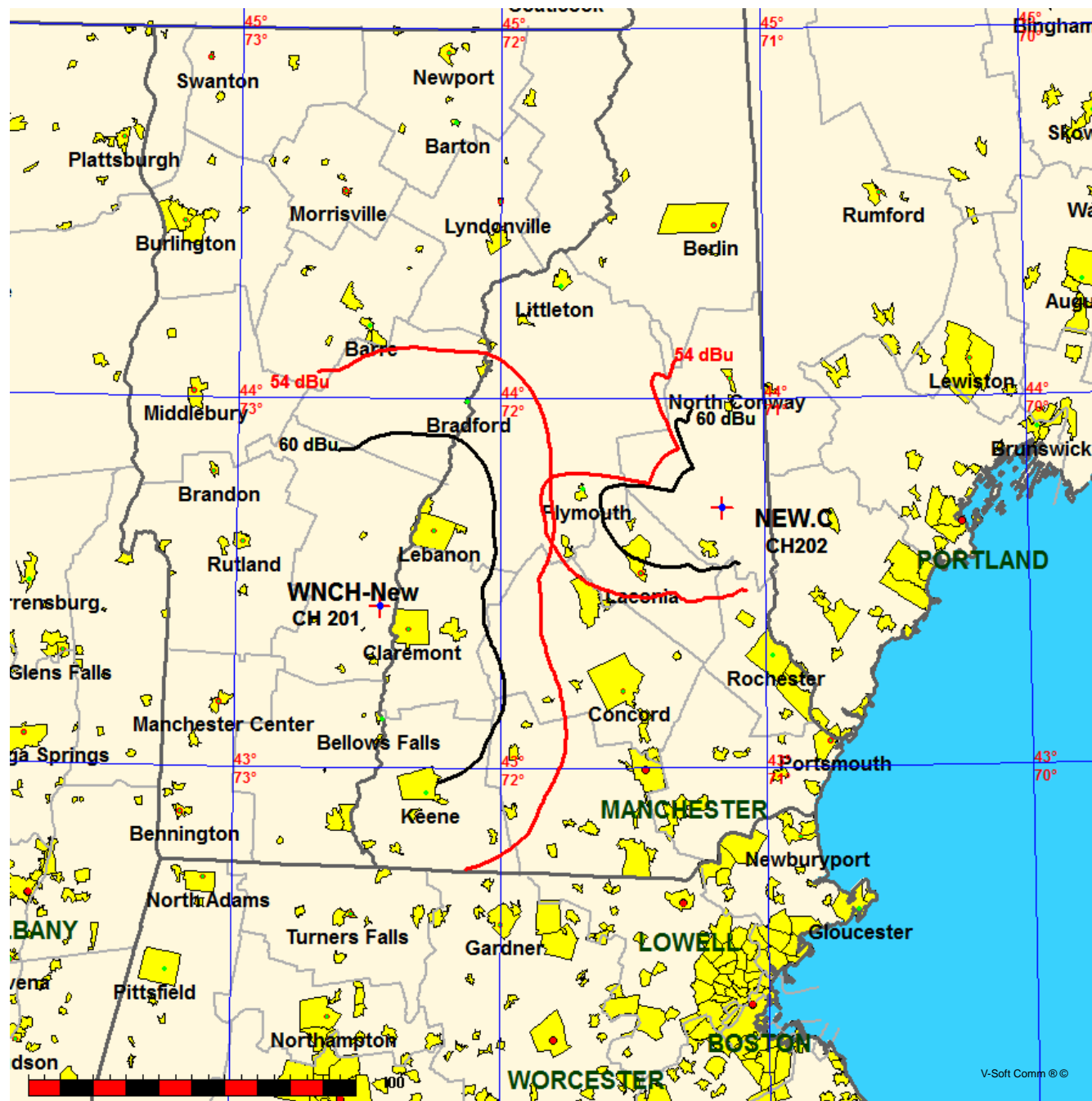
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
003.0	000.1000	0015.1	005.6	157.4	001.6000	0823.3	138.2	38.36
004.0	000.1000	0017.5	005.6	157.3	001.6000	0823.3	138.3	38.35
005.0	000.1000	0018.7	005.6	157.3	001.6000	0823.3	138.3	38.34
006.0	000.1000	0018.9	005.6	157.2	001.6000	0823.3	138.4	38.32
007.0	000.1000	0020.2	005.6	157.2	001.6000	0823.3	138.4	38.31
008.0	000.1000	0021.8	005.6	157.2	001.6000	0823.3	138.5	38.30
009.0	000.1000	0023.2	005.6	157.1	001.6000	0823.3	138.5	38.28
010.0	000.1000	0024.1	005.6	157.1	001.6000	0823.4	138.6	38.27
011.0	000.1000	0024.8	005.6	157.1	001.6000	0823.4	138.6	38.25
012.0	000.1000	0025.5	005.6	157.0	001.6000	0823.4	138.7	38.24
013.0	000.1000	0026.5	005.6	157.0	001.6000	0823.4	138.7	38.22
014.0	000.1000	0027.4	005.6	157.0	001.6000	0823.4	138.8	38.21
015.0	000.1000	0028.5	005.6	156.9	001.6000	0823.4	138.9	38.19
016.0	000.1000	0031.0	005.7	156.9	001.6000	0823.4	138.9	38.19
017.0	000.1000	0034.3	006.0	156.8	001.6000	0823.4	138.7	38.23
018.0	000.1000	0037.0	006.2	156.7	001.6000	0823.5	138.6	38.26
019.0	000.1000	0038.1	006.3	156.6	001.6000	0823.5	138.6	38.26
020.0	000.1000	0038.2	006.3	156.6	001.6000	0823.5	138.7	38.24
021.0	000.1000	0038.1	006.3	156.6	001.6000	0823.5	138.8	38.22
022.0	000.1000	0038.5	006.3	156.5	001.6000	0823.5	138.8	38.20
023.0	000.1000	0039.4	006.4	156.5	001.6000	0823.5	138.8	38.19
024.0	000.1000	0040.4	006.5	156.4	001.6000	0823.5	138.9	38.19
025.0	000.1000	0041.0	006.5	156.4	001.6000	0823.6	138.9	38.17
026.0	000.1000	0041.1	006.5	156.3	001.6000	0823.6	139.0	38.15
027.0	000.1000	0041.2	006.5	156.3	001.6000	0823.6	139.1	38.13
028.0	000.1000	0042.0	006.6	156.2	001.6000	0823.6	139.1	38.12
029.0	000.1000	0043.0	006.7	156.2	001.6000	0823.6	139.2	38.11
030.0	000.1000	0043.5	006.7	156.1	001.6000	0823.6	139.2	38.09
031.0	000.1000	0042.9	006.7	156.1	001.6000	0823.6	139.4	38.05
032.0	000.1000	0041.3	006.5	156.1	001.6000	0823.6	139.5	38.00
033.0	000.1000	0038.8	006.4	156.2	001.6000	0823.6	139.8	37.95
034.0	000.1000	0035.7	006.1	156.3	001.6000	0823.6	140.0	37.89
035.0	000.1000	0032.7	005.9	156.3	001.6000	0823.6	140.2	37.83
036.0	000.1000	0031.1	005.7	156.3	001.6000	0823.6	140.4	37.78
037.0	000.1000	0031.0	005.7	156.3	001.6000	0823.6	140.4	37.76
038.0	000.1000	0032.3	005.8	156.3	001.6000	0823.6	140.5	37.75

Contour-to-Contour Map
Vermont Public Radio

FMCommander Single Allocation Study - 06-23-2011 - FCC NGDC 30 Sec
WNCH-New's Overlaps (In= 14.3 km, Out= 15.48 km)

WNCH-New CH 201 B DA
Lat= 43 26 15.0, Lng= 72 27 08.0
1.6 kW 686.2 M HAAT, 972.5 M COR
Prot.= 60 dBu, Intef.= 54 dBu

NEW-C CH 202 B1 DA BNPED20071018AXP
Lat= 43 41 53.0, Lng= 71 09 14.0
6.0 kW 166 M HAAT, 399 M COR
Prot.= 60 dBu, Intef.= 54 dBu



06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

WNCH-New

NEW-C BNPED20071018AXP

Channel = 201B

Max ERP = 1.6 kW

RCAMSL = 972.5 M

N. Lat. 43 26 15.0

W. Lng. 72 27 08.0

Protected

60 dBu

Channel = 202B1

Max ERP = 6 kW

RCAMSL = 399 M

N. Lat. 43 41 53.0

W. Lng. 71 09 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)
014.0	001.6000	0711.6	053.1	284.3	006.0000	0075.0	094.2	36.92	
015.0	001.6000	0717.1	053.3	284.4	006.0000	0072.9	093.2	37.07	
016.0	001.6000	0722.1	053.4	284.4	006.0000	0071.3	092.3	37.22	
017.0	001.6000	0729.4	053.6	284.6	006.0000	0069.1	091.3	37.35	
018.0	001.6000	0738.5	053.9	284.7	006.0000	0066.3	090.4	37.46	
019.0	001.6000	0747.9	054.2	284.8	006.0000	0063.7	089.4	37.57	
020.0	001.6000	0757.4	054.5	285.0	006.0000	0061.3	088.5	37.70	
021.0	001.6000	0767.9	054.8	285.1	006.0000	0058.8	087.5	37.82	
022.0	001.6000	0777.8	055.1	285.2	006.0000	0056.8	086.5	37.96	
023.0	001.6000	0786.1	055.3	285.3	006.0000	0055.6	085.5	38.14	
024.0	001.6000	0790.5	055.5	285.2	006.0000	0055.9	084.5	38.40	
025.0	001.6000	0790.7	055.5	285.1	006.0000	0058.0	083.6	38.74	
026.0	001.6000	0788.9	055.4	285.0	006.0000	0061.1	082.7	39.14	
027.0	001.6000	0786.3	055.3	284.8	006.0000	0064.8	081.7	39.57	
028.0	001.6000	0781.3	055.2	284.5	006.0000	0069.8	080.8	40.07	
029.0	001.6000	0775.3	055.0	284.2	006.0000	0075.8	079.9	40.62	
030.0	001.6000	0772.1	054.9	284.0	006.0000	0081.1	079.1	41.14	
031.0	001.5329	0773.4	054.6	283.5	006.0000	0091.3	078.3	41.89	
032.0	001.4640	0777.6	054.2	283.0	006.0000	0101.3	077.5	42.63	
033.0	001.3981	0783.1	053.9	282.6	006.0000	0111.1	076.7	43.35	
034.0	001.3351	0788.9	053.7	282.1	006.0000	0120.7	075.9	44.06	
035.0	001.2751	0794.4	053.4	281.7	006.0000	0130.1	075.2	44.74	
036.0	001.2177	0799.3	053.1	281.2	006.0000	0139.2	074.5	45.40	
037.0	001.1629	0801.7	052.7	280.6	006.0000	0148.3	073.8	46.06	
038.0	001.1105	0801.8	052.3	279.9	005.9963	0156.9	073.2	46.66	
039.0	001.0605	0799.8	051.8	279.2	005.9548	0164.2	072.7	47.14	
040.0	001.0128	0796.7	051.2	278.5	005.9115	0170.1	072.2	47.55	
041.0	000.9672	0793.2	050.7	277.8	005.8669	0174.8	071.7	47.87	
042.0	000.9237	0789.5	050.1	277.0	005.8217	0179.0	071.3	48.16	
043.0	000.8821	0785.1	049.6	276.2	005.7752	0182.2	071.0	48.38	
044.0	000.8424	0780.4	049.0	275.4	005.7281	0184.5	070.7	48.54	
045.0	000.8045	0775.8	048.4	274.6	005.6808	0186.0	070.4	48.66	
046.0	000.7683	0771.8	047.8	273.8	005.6341	0187.2	070.1	48.75	
047.0	000.7337	0768.3	047.3	273.0	005.5879	0188.4	069.9	48.84	
048.0	000.7007	0763.5	046.7	272.2	005.5404	0189.6	069.8	48.90	
049.0	000.6692	0756.0	046.0	271.3	005.4908	0190.9	069.7	48.93	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
050.0	000.6390	0746.4	045.3	270.4	005.4397	0190.3	069.8	48.86
051.0	000.6103	0737.1	044.6	269.6	005.3796	0189.8	069.8	48.76
052.0	000.5828	0729.4	043.9	268.7	005.3130	0189.4	069.9	48.66
053.0	000.5566	0723.4	043.3	267.9	005.2497	0188.9	070.0	48.57
054.0	000.5315	0718.6	042.7	267.1	005.1890	0188.3	070.1	48.47
055.0	000.5076	0714.7	042.1	266.4	005.1304	0187.8	070.2	48.37
056.0	000.4848	0711.7	041.6	265.7	005.0738	0188.9	070.2	48.33
057.0	000.4629	0710.6	041.1	265.0	005.0200	0190.0	070.3	48.31
058.0	000.4421	0710.8	040.7	264.3	004.9685	0191.2	070.4	48.30
059.0	000.4222	0712.7	040.4	263.6	004.9190	0192.4	070.4	48.29
060.0	000.4032	0715.8	040.0	263.0	004.8712	0193.5	070.4	48.28
061.0	000.3884	0718.6	039.8	262.4	004.8256	0194.2	070.4	48.27
062.0	000.3739	0722.1	039.5	261.8	004.7807	0194.6	070.4	48.25
063.0	000.3596	0725.9	039.3	261.2	004.7363	0194.4	070.4	48.20
064.0	000.3457	0729.5	039.0	260.6	004.6922	0194.0	070.5	48.12
065.0	000.3320	0732.8	038.7	260.0	004.6485	0193.5	070.6	48.03
066.0	000.3186	0734.3	038.4	259.4	004.5868	0192.9	070.7	47.90
067.0	000.3054	0734.1	038.0	258.8	004.5247	0192.4	071.0	47.74
068.0	000.2925	0731.9	037.6	258.3	004.4635	0191.9	071.3	47.55
069.0	000.2800	0727.9	037.0	257.7	004.4038	0191.5	071.7	47.33
070.0	000.2676	0724.5	036.5	257.1	004.3465	0191.0	072.2	47.12
071.0	000.2583	0723.1	036.2	256.6	004.2926	0190.9	072.5	46.96
072.0	000.2491	0722.6	035.8	256.1	004.2406	0190.9	072.8	46.81
073.0	000.2401	0721.1	035.5	255.6	004.1901	0191.0	073.1	46.65
074.0	000.2313	0717.0	035.0	255.1	004.1413	0191.2	073.5	46.46
075.0	000.2226	0710.8	034.5	254.6	004.0946	0191.4	074.1	46.24
076.0	000.2141	0703.1	033.9	254.2	004.0505	0191.5	074.7	46.01
077.0	000.2058	0695.3	033.3	253.7	004.0088	0191.6	075.3	45.77
078.0	000.1976	0686.5	032.7	253.3	003.9698	0191.6	075.9	45.51
079.0	000.1896	0678.1	032.1	253.0	003.9332	0191.5	076.6	45.26
080.0	000.1817	0670.7	031.6	252.6	003.8985	0191.3	077.2	45.01
081.0	000.1817	0665.5	031.4	252.2	003.8612	0191.1	077.4	44.88
082.0	000.1817	0664.3	031.4	251.8	003.8232	0190.9	077.6	44.79
083.0	000.1817	0664.2	031.4	251.4	003.7854	0190.7	077.7	44.70
084.0	000.1817	0663.4	031.4	251.0	003.7484	0190.6	077.8	44.61
085.0	000.1817	0663.4	031.4	250.6	003.7114	0190.5	077.9	44.52
086.0	000.1817	0663.4	031.4	250.3	003.6749	0190.5	078.1	44.43
087.0	000.1817	0663.4	031.4	249.9	003.6373	0190.7	078.3	44.34
088.0	000.1817	0662.5	031.3	249.5	003.5968	0190.9	078.5	44.23
089.0	000.1817	0662.3	031.3	249.1	003.5566	0191.0	078.7	44.13
090.0	000.1817	0662.1	031.3	248.8	003.5171	0191.1	078.9	44.01
091.0	000.1820	0662.1	031.4	248.4	003.4777	0191.0	079.1	43.90
092.0	000.1824	0662.9	031.4	248.0	003.4384	0190.8	079.2	43.78
093.0	000.1827	0663.1	031.4	247.7	003.4001	0190.6	079.5	43.65
094.0	000.1830	0665.4	031.5	247.3	003.3607	0190.3	079.6	43.53
095.0	000.1833	0668.7	031.6	246.9	003.3207	0190.0	079.8	43.41
096.0	000.1837	0670.2	031.6	246.5	003.2832	0189.6	080.0	43.28
097.0	000.1840	0673.4	031.7	246.2	003.2444	0189.3	080.2	43.15
098.0	000.1843	0676.1	031.8	245.8	003.2069	0189.1	080.5	43.02
099.0	000.1846	0677.9	031.9	245.4	003.1708	0189.0	080.7	42.89
100.0	000.1850	0680.3	032.0	245.1	003.1349	0189.0	081.0	42.76

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
101.0	000.1947	0680.6	032.4	244.6	003.0835	0189.1	080.9	42.70
102.0	000.2046	0678.9	032.8	244.1	003.0352	0189.1	081.0	42.62
103.0	000.2148	0676.7	033.2	243.6	002.9879	0189.1	081.1	42.52
104.0	000.2253	0674.7	033.5	243.1	002.9412	0189.0	081.2	42.41
105.0	000.2360	0672.9	033.9	242.6	002.8950	0188.7	081.3	42.29
106.0	000.2469	0672.3	034.3	242.2	002.8479	0188.3	081.4	42.16
107.0	000.2581	0674.3	034.7	241.6	002.7979	0187.7	081.5	42.02
108.0	000.2695	0679.4	035.3	241.1	002.7442	0186.9	081.6	41.88
109.0	000.2812	0686.5	035.9	240.5	002.6882	0185.8	081.7	41.72
110.0	000.2932	0695.6	036.5	239.8	002.6270	0184.7	081.8	41.55
111.0	000.3085	0705.1	037.3	239.1	002.5527	0183.3	081.8	41.36
112.0	000.3243	0714.7	038.0	238.5	002.4792	0182.0	081.9	41.15
113.0	000.3405	0724.4	038.7	237.8	002.4070	0181.1	082.0	40.95
114.0	000.3570	0733.4	039.4	237.1	002.3376	0180.5	082.2	40.74
115.0	000.3740	0742.1	040.1	236.4	002.2702	0180.1	082.4	40.52
116.0	000.3913	0749.9	040.8	235.8	002.2064	0179.8	082.7	40.29
117.0	000.4091	0756.8	041.4	235.2	002.1460	0179.4	083.1	40.05
118.0	000.4272	0763.8	042.0	234.6	002.0874	0179.0	083.4	39.79
119.0	000.4457	0771.2	042.6	234.0	002.0299	0178.6	083.9	39.53
120.0	000.4646	0779.3	043.2	233.4	001.9734	0178.4	084.3	39.26
121.0	000.4865	0787.4	043.9	232.8	001.9161	0178.4	084.8	38.99
122.0	000.5094	0794.5	044.6	232.2	001.8620	0178.4	085.3	38.71
123.0	000.5335	0800.9	045.2	231.6	001.8110	0178.5	085.8	38.43
124.0	000.5586	0806.1	045.8	231.1	001.7635	0178.6	086.4	38.13
125.0	000.5849	0810.6	046.3	230.6	001.7189	0178.5	087.0	37.83
126.0	000.6125	0814.8	046.9	230.1	001.6763	0178.4	087.7	37.52
127.0	000.6414	0818.2	047.4	229.7	001.6430	0178.2	088.3	37.21
128.0	000.6716	0820.0	047.9	229.2	001.6147	0177.9	089.1	36.90
129.0	000.7032	0819.6	048.3	228.9	001.5902	0177.5	089.8	36.60
130.0	000.7364	0816.4	048.7	228.6	001.5698	0177.1	090.6	36.29
131.0	000.7711	0811.3	049.0	228.3	001.5528	0176.7	091.4	35.99
132.0	000.8074	0805.7	049.3	228.1	001.5372	0176.4	092.2	35.68
133.0	000.8455	0800.1	049.6	227.8	001.5226	0176.1	093.1	35.38

06-23-2011

Terrain Data: FCC NGDC 30 Sec

FMOver Analysis

NEW-C BNPED20071018AXP

WNCH-New

Channel = 202B1

Max ERP = 6 kW

RCAMSL = 399 M

N. Lat. 43 41 53.0

W. Lng. 71 09 14.0

Protected

60 dBu

Channel = 201B

Max ERP = 1.6 kW

RCAMSL = 972.5 M

N. Lat. 43 26 15.0

W. Lng. 72 27 08.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
195.0	000.3370	0195.9	019.8	083.9	000.1817	0663.4	100.1	37.42	
196.0	000.3525	0195.4	020.0	084.0	000.1817	0663.4	099.7	37.53	
197.0	000.3684	0194.6	020.1	084.0	000.1817	0663.4	099.3	37.64	
198.0	000.3847	0193.2	020.3	084.0	000.1817	0663.4	099.0	37.74	
199.0	000.4012	0190.9	020.4	083.9	000.1817	0663.4	098.6	37.85	
200.0	000.4182	0188.1	020.5	083.9	000.1817	0663.5	098.2	37.95	
201.0	000.4403	0184.5	020.5	083.8	000.1817	0663.5	097.9	38.05	
202.0	000.4630	0179.9	020.5	083.8	000.1817	0663.6	097.6	38.14	
203.0	000.4863	0174.6	020.5	083.6	000.1817	0663.7	097.3	38.23	
204.0	000.5102	0169.5	020.5	083.5	000.1817	0663.8	097.0	38.31	
205.0	000.5346	0164.9	020.4	083.4	000.1817	0663.9	096.7	38.40	
206.0	000.5596	0160.4	020.4	083.2	000.1817	0664.0	096.4	38.48	
207.0	000.5852	0155.9	020.3	083.1	000.1817	0664.1	096.2	38.56	
208.0	000.6113	0151.8	020.2	083.0	000.1817	0664.2	095.9	38.64	
209.0	000.6380	0148.2	020.2	082.8	000.1817	0664.2	095.6	38.72	
210.0	000.6653	0145.6	020.2	082.7	000.1817	0664.2	095.3	38.81	
211.0	000.7001	0144.4	020.4	082.7	000.1817	0664.2	094.9	38.92	
212.0	000.7358	0144.9	020.7	082.7	000.1817	0664.2	094.5	39.06	
213.0	000.7724	0146.6	021.0	082.7	000.1817	0664.2	094.0	39.21	
214.0	000.8099	0148.7	021.4	082.7	000.1817	0664.2	093.5	39.37	
215.0	000.8483	0151.2	021.8	082.8	000.1817	0664.2	092.9	39.54	
216.0	000.8875	0154.2	022.3	082.8	000.1817	0664.2	092.3	39.71	
217.0	000.9276	0157.3	022.7	082.8	000.1817	0664.2	091.7	39.89	
218.0	000.9687	0160.5	023.1	082.9	000.1817	0664.2	091.2	40.08	
219.0	001.0106	0163.1	023.5	082.9	000.1817	0664.2	090.6	40.25	
220.0	001.0534	0164.8	023.9	082.8	000.1817	0664.2	090.1	40.42	
221.0	001.1084	0165.4	024.2	082.8	000.1817	0664.2	089.6	40.58	
222.0	001.1648	0165.8	024.5	082.7	000.1817	0664.2	089.1	40.74	
223.0	001.2226	0166.5	024.8	082.6	000.1817	0664.2	088.5	40.90	
224.0	001.2818	0168.2	025.2	082.5	000.1817	0664.3	088.0	41.08	
225.0	001.3424	0170.3	025.6	082.5	000.1817	0664.3	087.4	41.27	
226.0	001.4044	0172.6	026.0	082.4	000.1817	0664.3	086.8	41.46	
227.0	001.4678	0174.7	026.4	082.3	000.1817	0664.3	086.2	41.65	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
228.0	001.5326	0176.3	026.7	082.2	000.1817	0664.3	085.6	41.83
229.0	001.5988	0177.7	027.1	082.1	000.1817	0664.3	085.1	42.00
230.0	001.6664	0178.4	027.4	081.9	000.1817	0664.4	084.6	42.16
231.0	001.7541	0178.6	027.7	081.8	000.1817	0664.4	084.0	42.34
232.0	001.8442	0178.5	028.0	081.6	000.1817	0664.4	083.5	42.50
233.0	001.9364	0178.3	028.3	081.4	000.1817	0664.6	083.0	42.66
234.0	002.0309	0178.6	028.6	081.2	000.1817	0665.0	082.5	42.83
235.0	002.1277	0179.2	029.0	081.0	000.1817	0665.5	082.0	43.01
236.0	002.2267	0179.9	029.3	080.8	000.1817	0666.3	081.4	43.20
237.0	002.3280	0180.4	029.7	080.6	000.1817	0667.4	080.9	43.38
238.0	002.4316	0181.4	030.1	080.3	000.1817	0668.7	080.3	43.57
239.0	002.5373	0183.0	030.5	080.1	000.1817	0670.1	079.8	43.78
240.0	002.6454	0185.0	031.0	079.9	000.1828	0671.6	079.1	44.03
241.0	002.7386	0186.8	031.4	079.6	000.1849	0673.5	078.6	44.28
242.0	002.8335	0188.2	031.8	079.3	000.1872	0675.8	078.0	44.53
243.0	002.9299	0188.9	032.1	079.0	000.1897	0678.2	077.5	44.78
244.0	003.0280	0189.1	032.4	078.6	000.1925	0681.0	077.1	45.01
245.0	003.1277	0189.0	032.6	078.3	000.1953	0684.0	076.7	45.24
246.0	003.2290	0189.2	032.9	077.9	000.1983	0687.4	076.3	45.48
247.0	003.3319	0190.1	033.2	077.5	000.2014	0690.8	075.9	45.73
248.0	003.4365	0190.8	033.5	077.1	000.2046	0694.2	075.5	45.97
249.0	003.5426	0191.0	033.8	076.7	000.2080	0697.3	075.1	46.20
250.0	003.6504	0190.6	034.0	076.3	000.2115	0700.7	074.8	46.41
251.0	003.7446	0190.6	034.2	075.9	000.2152	0704.2	074.6	46.61
252.0	003.8400	0191.0	034.5	075.4	000.2190	0707.7	074.3	46.82
253.0	003.9366	0191.5	034.7	075.0	000.2229	0711.0	074.0	47.03
254.0	004.0344	0191.6	034.9	074.5	000.2269	0714.1	073.8	47.22
255.0	004.1334	0191.2	035.1	074.0	000.2310	0716.9	073.6	47.39
256.0	004.2336	0190.9	035.3	073.5	000.2353	0719.2	073.4	47.55
257.0	004.3350	0191.0	035.5	073.1	000.2396	0720.9	073.3	47.70
258.0	004.4376	0191.8	035.7	072.6	000.2441	0722.0	073.1	47.86
259.0	004.5414	0192.6	036.0	072.0	000.2487	0722.6	072.9	48.01
260.0	004.6464	0193.4	036.2	071.5	000.2534	0722.9	072.7	48.15
261.0	004.7206	0194.3	036.4	071.0	000.2582	0723.1	072.6	48.26
262.0	004.7954	0194.5	036.6	070.5	000.2630	0723.5	072.6	48.36
263.0	004.8708	0193.5	036.6	070.0	000.2677	0724.5	072.6	48.42
264.0	004.9468	0191.7	036.6	069.5	000.2737	0726.0	072.8	48.49
265.0	005.0233	0190.0	036.6	069.0	000.2796	0727.8	073.0	48.55
266.0	005.1005	0188.3	036.6	068.5	000.2856	0729.8	073.2	48.61
267.0	005.1782	0188.1	036.7	068.0	000.2920	0731.8	073.3	48.71
268.0	005.2566	0189.0	036.9	067.5	000.2987	0733.3	073.3	48.82
269.0	005.3355	0189.5	037.0	067.0	000.3054	0734.1	073.4	48.90
270.0	005.4150	0190.1	037.2	066.5	000.3122	0734.4	073.5	48.98
271.0	005.4721	0190.7	037.3	066.0	000.3189	0734.3	073.6	49.03
272.0	005.5296	0190.0	037.4	065.5	000.3251	0733.8	073.8	49.03
273.0	005.5873	0188.4	037.3	065.1	000.3310	0733.0	074.2	48.99
274.0	005.6454	0186.9	037.3	064.6	000.3368	0731.8	074.5	48.95
275.0	005.7038	0185.3	037.2	064.2	000.3426	0730.4	074.9	48.90
276.0	005.7624	0182.9	037.1	063.8	000.3478	0729.0	075.3	48.82
277.0	005.8214	0179.0	036.9	063.5	000.3522	0727.8	075.9	48.69
278.0	005.8806	0173.5	036.4	063.3	000.3553	0727.0	076.6	48.50

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
279.0	005.9402	0166.3	035.8	063.2	000.3570	0726.5	077.4	48.24
280.0	006.0000	0156.2	034.8	063.3	000.3561	0726.8	078.6	47.88
281.0	006.0000	0141.7	033.1	063.6	000.3511	0728.1	080.3	47.32
282.0	006.0000	0123.6	031.1	064.1	000.3436	0730.1	082.2	46.65
283.0	006.0000	0102.2	028.6	064.9	000.3332	0732.6	084.5	45.82
284.0	006.0000	0080.4	025.5	065.9	000.3199	0734.3	087.2	44.80
285.0	006.0000	0060.5	022.5	066.9	000.3073	0734.3	089.9	43.79
286.0	006.0000	0042.6	018.9	068.0	000.2919	0731.7	092.9	42.57
287.0	006.0000	0026.6	015.8	069.1	000.2792	0727.7	095.6	41.50
288.0	006.0000	0011.3	015.8	068.9	000.2808	0728.2	095.8	41.48
289.0	006.0000	-0004.2	015.8	068.8	000.2824	0728.7	096.0	41.46
290.0	006.0000	-0020.2	015.8	068.7	000.2840	0729.3	096.1	41.44
291.0	006.0000	-0037.5	015.8	068.6	000.2856	0729.8	096.3	41.42
292.0	006.0000	-0055.8	015.8	068.4	000.2871	0730.3	096.5	41.40
293.0	006.0000	-0073.9	015.8	068.3	000.2886	0730.8	096.7	41.37
294.0	006.0000	-0091.7	015.8	068.2	000.2901	0731.2	096.9	41.34
295.0	006.0000	-0107.4	015.8	068.1	000.2915	0731.6	097.1	41.31
296.0	006.0000	-0118.7	015.8	068.0	000.2929	0732.0	097.3	41.28
297.0	006.0000	-0122.9	015.8	067.9	000.2943	0732.4	097.5	41.24
298.0	006.0000	-0121.6	015.8	067.8	000.2957	0732.7	097.7	41.21
299.0	006.0000	-0117.4	015.8	067.7	000.2970	0733.0	097.9	41.17
300.0	006.0000	-0112.8	015.8	067.5	000.2983	0733.2	098.1	41.13
301.0	005.9760	-0107.1	015.7	067.5	000.2995	0733.4	098.3	41.08
302.0	005.9521	-0100.3	015.7	067.4	000.3006	0733.6	098.6	41.03
303.0	005.9282	-0092.9	015.7	067.3	000.3017	0733.7	098.8	40.98
304.0	005.9044	-0083.2	015.7	067.2	000.3028	0733.8	099.0	40.93
305.0	005.8806	-0071.7	015.7	067.1	000.3038	0733.9	099.3	40.88
306.0	005.8569	-0059.9	015.6	067.0	000.3048	0734.0	099.5	40.83
307.0	005.8332	-0050.1	015.6	067.0	000.3057	0734.1	099.7	40.77
308.0	005.8095	-0043.0	015.6	066.9	000.3066	0734.2	100.0	40.71
309.0	005.7859	-0037.6	015.6	066.8	000.3075	0734.3	100.2	40.66
310.0	005.7624	-0031.1	015.6	066.8	000.3084	0734.3	100.5	40.60
311.0	005.6687	-0022.6	015.5	066.7	000.3088	0734.4	100.8	40.52
312.0	005.5758	-0012.9	015.4	066.7	000.3093	0734.4	101.0	40.45
313.0	005.4836	-0005.0	015.4	066.7	000.3096	0734.4	101.3	40.38
314.0	005.3922	-0000.8	015.3	066.6	000.3100	0734.4	101.6	40.31