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Contour-to-Contour Channel Study - W232CG
Vermont Public Radio

REFERENCE
42 49 42.2 N.
72 36 00.3 W.

CH# 232D - 94.3 MHz, Pwr= 0.15 kW, HAAT= 46.8 M, COR= 331 M
Average Protected F(50-50)= 7.77 km
Omni-directional

DISPLAY DATES
DATA 04-04-18
SEARCH 04-04-18

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	*OUT* in km)
232D Brattleboro	W232CG	LIC _C_	VT	73.5 253.5	0.19 BLFT20121113ABM	42 49 44.0 72 35 52.0	0.190 31	0.19 307	0.19 Vermont Public Radio		
232A Bennington	WBTN-FM	LIC NCX	VT	286.0 105.6	48.76 BMLED20110511AGV	42 56 52.9 73 10 33.9	3.000 34	53.3 474	13.2 Vermont Public Radio	-10.8*	14.8
232D Amherst	W232BW	LIC DC_	MA	164.3 344.4	53.66 BLFT20110422AAO	42 21 49.0 72 25 24.0	0.200 230	43.5 404	10.8 Saga Communications	4.6	0.2
231D Keene	1773682	APP _C_	NH	65.0 245.2	26.95 BNPFT20180130AFC	42 55 50.0 72 18 00.0	0.250	10.1 193	7.1 Saga Communications	4.9	2.8
230A Turners Falls	WRSI	LIC _CN	MA	179.0 359.0	32.77 BLH19951018KB	42 32 01.0 72 35 34.0	2.500 109	2.5 284	27.3 Saga Communications	18.9	3.5
285A Hinsdale	WYRY	LIC DC_	NH	116.2 296.3	13.24 BLH20010402AAV	42 46 33.0 72 27 17.0	4.100 122	19.4 344	4.8 Tri-valley Broadcasting Co	9.5R	3.7M
232D Claremont	W232DN	CP _C_	NH	21.4 201.6	67.79 BNPFT20171201APT	43 23 45.0 72 17 40.0	0.015	38.6 620	11.5 Great Eastern Radio, LLC	13.2	5.2

Terrain database is GLOBE 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= East Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside restricted contour.

HOW TO READ THE FM COMPUTER PRINT-OUT

Translator Reference Station

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table. 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.

All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90. The column labeled "* OUT *" shows the greatest distance in kilometers of overlap (or smallest distance 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. Since translators are able to receive interference there is no "In" or incoming column in this report.

Listed antenna heights and power are the specific antenna heights and power from the FCC database.

Under the "AZI" column, the first row of numbers indicate the True North azimuths 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. Bearings are calculated using spherical trigonometry.

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 the minimum spacings the "OUT" columns change its significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column displays the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates 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 Channel Study - W232CG vs WBTN-FM
Vermont Public Radio

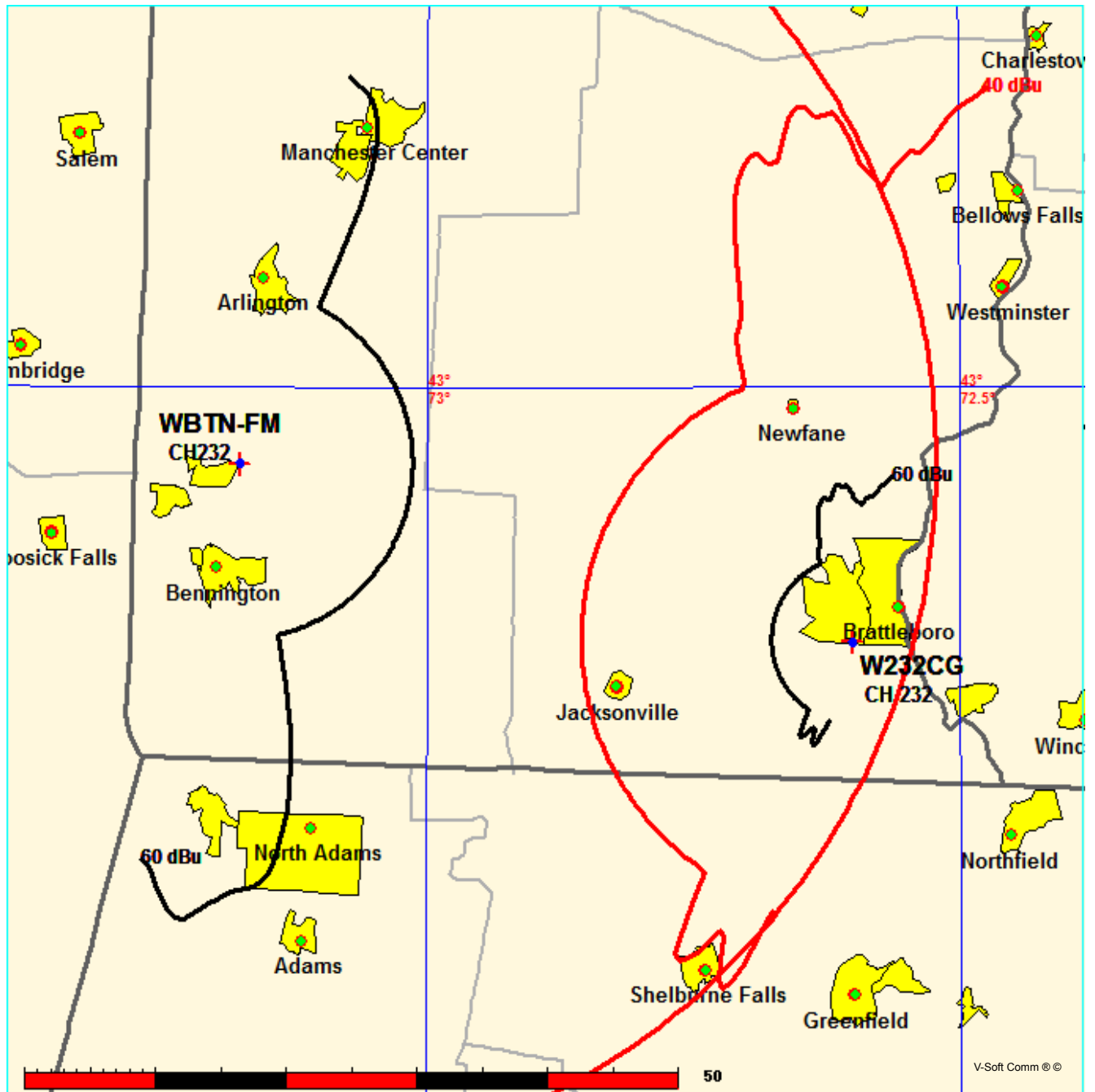
FMCommander Single Allocation Study - 04-04-2018 - GLOBE 30 Sec
W232CG's Overlaps (In= -10.75 km, Out= 14.77 km)

W232CG CH 232 D

Lat= 42 49 42.2, Lng= 72 36 00.3
0.15 kW 46.8 m HAAT, 331 m COR
Prot.= 60 dBu, Intef.= 40 dBu

WBTN-FM CH 232 A 73.215 N BMLED20110511AGV

Lat= 42 56 52.9, Lng= 73 10 33.9
3.0 kW 34 m HAAT, 473.6 m COR
Prot.= 60 dBu, Intef.= 40 dBu



04-04-2018

Terrain Data: GLOBE 30 Sec

FMOver Analysis

W232CG

WBTV-FM BMLD20110511AGV

Channel = 232D

Max ERP = 0.15 kW

RCAMSL = 331 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Protected

60 dBu

Channel = 232A

Max ERP = 3 kW

RCAMSL = 473.6 m

N. Lat. 42 56 52.9

W. Lng. 73 10 33.9

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
226.0	000.1500	-0026.4	006.2	112.4	003.0000	-0214.0	046.0	41.62*	7.31
227.0	000.1500	-0032.7	006.2	112.3	003.0000	-0214.0	045.9	41.64*	7.41
228.0	000.1500	-0041.6	006.2	112.3	003.0000	-0214.0	045.8	41.67*	7.51
229.0	000.1500	-0050.2	006.2	112.2	003.0000	-0214.1	045.7	41.69*	7.61
230.0	000.1500	-0057.3	006.2	112.1	003.0000	-0214.1	045.6	41.72*	7.70
231.0	000.1500	-0063.5	006.2	112.1	003.0000	-0214.1	045.5	41.74*	7.80
232.0	000.1500	-0069.8	006.2	112.0	003.0000	-0214.1	045.4	41.76*	7.90
233.0	000.1500	-0076.3	006.2	111.9	003.0000	-0214.2	045.3	41.79*	7.99
234.0	000.1500	-0082.3	006.2	111.9	003.0000	-0214.2	045.2	41.81*	8.08
235.0	000.1500	-0086.1	006.2	111.8	003.0000	-0214.3	045.1	41.84*	8.18
236.0	000.1500	-0085.8	006.2	111.7	003.0000	-0214.4	045.0	41.86*	8.27
237.0	000.1500	-0082.7	006.2	111.6	003.0000	-0214.5	044.9	41.88*	8.36
238.0	000.1500	-0078.6	006.2	111.6	003.0000	-0214.6	044.8	41.91*	8.44
239.0	000.1500	-0074.8	006.2	111.5	003.0000	-0214.7	044.8	41.93*	8.53
240.0	000.1500	-0072.5	006.2	111.4	003.0000	-0214.8	044.7	41.95*	8.62
241.0	000.1500	-0071.2	006.2	111.3	003.0000	-0214.9	044.6	41.97*	8.70
242.0	000.1500	-0070.7	006.2	111.2	003.0000	-0215.1	044.5	42.00*	8.79
243.0	000.1500	-0070.8	006.2	111.1	003.0000	-0215.2	044.4	42.02*	8.87
244.0	000.1500	-0071.4	006.2	111.0	003.0000	-0215.3	044.3	42.04*	8.95
245.0	000.1500	-0072.9	006.2	110.9	003.0000	-0215.5	044.3	42.06*	9.03
246.0	000.1500	-0074.9	006.2	110.8	003.0000	-0215.6	044.2	42.08*	9.11
247.0	000.1500	-0077.4	006.2	110.7	003.0000	-0215.7	044.1	42.10*	9.18
248.0	000.1500	-0080.4	006.2	110.6	003.0000	-0215.9	044.0	42.12*	9.26
249.0	000.1500	-0084.2	006.2	110.5	003.0000	-0216.0	043.9	42.14*	9.33
250.0	000.1500	-0088.3	006.2	110.4	003.0000	-0216.1	043.9	42.16*	9.40
251.0	000.1500	-0092.2	006.2	110.3	003.0000	-0216.2	043.8	42.18*	9.48
252.0	000.1500	-0096.0	006.2	110.2	003.0000	-0216.2	043.7	42.20*	9.54
253.0	000.1500	-0099.2	006.2	110.1	003.0000	-0216.3	043.7	42.22*	9.61
254.0	000.1500	-0102.8	006.2	110.0	003.0000	-0216.3	043.6	42.24*	9.68
255.0	000.1500	-0108.9	006.2	109.9	003.0000	-0216.3	043.5	42.25*	9.74
256.0	000.1500	-0115.2	006.2	109.7	003.0000	-0216.2	043.5	42.27*	9.80
257.0	000.1500	-0121.1	006.2	109.6	003.0000	-0216.2	043.4	42.29*	9.86
258.0	000.1500	-0125.8	006.2	109.5	003.0000	-0216.1	043.4	42.30*	9.92
259.0	000.1500	-0127.2	006.2	109.4	003.0000	-0216.0	043.3	42.32*	9.98
260.0	000.1500	-0127.9	006.2	109.3	003.0000	-0215.8	043.3	42.33*	10.03
261.0	000.1500	-0127.9	006.2	109.1	003.0000	-0215.7	043.2	42.35*	10.09

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	
262.0	000.1500	-0128.2	006.2	109.0	003.0000	-0215.5	043.1	42.36*	10.14
263.0	000.1500	-0130.3	006.2	108.9	003.0000	-0215.3	043.1	42.38*	10.19
264.0	000.1500	-0133.4	006.2	108.7	003.0000	-0215.1	043.1	42.39*	10.23
265.0	000.1500	-0136.4	006.2	108.6	003.0000	-0214.9	043.0	42.40*	10.28
266.0	000.1500	-0138.0	006.2	108.5	003.0000	-0214.7	043.0	42.41*	10.32
267.0	000.1500	-0138.4	006.2	108.3	003.0000	-0214.5	042.9	42.43*	10.36
268.0	000.1500	-0138.0	006.2	108.2	003.0000	-0214.3	042.9	42.44*	10.40
269.0	000.1500	-0137.6	006.2	108.1	003.0000	-0214.2	042.8	42.45*	10.44
270.0	000.1500	-0137.2	006.2	107.9	003.0000	-0214.0	042.8	42.46*	10.47
271.0	000.1500	-0138.5	006.2	107.8	003.0000	-0213.9	042.8	42.47*	10.51
272.0	000.1500	-0142.8	006.2	107.7	003.0000	-0213.8	042.7	42.48*	10.54
273.0	000.1500	-0147.2	006.2	107.5	003.0000	-0213.9	042.7	42.49*	10.57
274.0	000.1500	-0151.7	006.2	107.4	003.0000	-0213.9	042.7	42.49*	10.59
275.0	000.1500	-0156.6	006.2	107.2	003.0000	-0214.0	042.7	42.50*	10.62
276.0	000.1500	-0162.2	006.2	107.1	003.0000	-0214.2	042.6	42.51*	10.64
277.0	000.1500	-0167.9	006.2	106.9	003.0000	-0214.4	042.6	42.51*	10.66
278.0	000.1500	-0172.5	006.2	106.8	003.0000	-0214.8	042.6	42.52*	10.68
279.0	000.1500	-0176.9	006.2	106.7	003.0000	-0215.1	042.6	42.52*	10.70
280.0	000.1500	-0181.4	006.2	106.5	003.0000	-0215.6	042.6	42.53*	10.71
281.0	000.1500	-0185.2	006.2	106.4	003.0000	-0216.1	042.6	42.53*	10.72
282.0	000.1500	-0188.3	006.2	106.2	003.0000	-0216.7	042.5	42.53*	10.73
283.0	000.1500	-0190.1	006.2	106.1	003.0000	-0217.4	042.5	42.53*	10.74
284.0	000.1500	-0188.4	006.2	105.9	003.0000	-0218.1	042.5	42.54*	10.75
285.0	000.1500	-0183.9	006.2	105.8	003.0000	-0218.9	042.5	42.54*	10.75
286.0	000.1500	-0177.1	006.2	105.6	003.0000	-0219.8	042.5	42.54*	10.75
287.0	000.1500	-0170.6	006.2	105.5	003.0000	-0220.7	042.5	42.54*	10.75
288.0	000.1500	-0164.6	006.2	105.3	003.0000	-0221.6	042.5	42.54*	10.75
289.0	000.1500	-0158.4	006.2	105.2	003.0000	-0222.5	042.5	42.53*	10.74
290.0	000.1500	-0151.8	006.2	105.0	003.0000	-0223.5	042.5	42.53*	10.73
291.0	000.1500	-0145.8	006.2	104.9	003.0000	-0224.5	042.6	42.53*	10.72
292.0	000.1500	-0141.2	006.2	104.8	003.0000	-0225.5	042.6	42.53*	10.71
293.0	000.1500	-0137.9	006.2	104.6	003.0000	-0226.5	042.6	42.52*	10.70
294.0	000.1500	-0134.7	006.2	104.5	003.0000	-0227.4	042.6	42.52*	10.68
295.0	000.1500	-0130.0	006.2	104.3	003.0000	-0228.2	042.6	42.51*	10.66
296.0	000.1500	-0123.4	006.2	104.2	003.0000	-0229.0	042.6	42.51*	10.64
297.0	000.1500	-0115.7	006.2	104.0	003.0000	-0229.8	042.7	42.50*	10.62
298.0	000.1500	-0109.2	006.2	103.9	003.0000	-0230.4	042.7	42.49*	10.60
299.0	000.1500	-0104.6	006.2	103.8	003.0000	-0231.0	042.7	42.49*	10.57
300.0	000.1500	-0100.8	006.2	103.6	003.0000	-0231.6	042.7	42.48*	10.54
301.0	000.1500	-0098.0	006.2	103.5	003.0000	-0232.2	042.8	42.47*	10.51
302.0	000.1500	-0095.5	006.2	103.3	003.0000	-0232.7	042.8	42.46*	10.48
303.0	000.1500	-0092.6	006.2	103.2	003.0000	-0233.1	042.8	42.45*	10.44
304.0	000.1500	-0089.5	006.2	103.1	003.0000	-0233.5	042.9	42.44*	10.40
305.0	000.1500	-0086.1	006.2	102.9	003.0000	-0233.9	042.9	42.43*	10.36
306.0	000.1500	-0082.4	006.2	102.8	003.0000	-0234.2	043.0	42.42*	10.32
307.0	000.1500	-0079.2	006.2	102.7	003.0000	-0234.5	043.0	42.40*	10.28
308.0	000.1500	-0075.4	006.2	102.5	003.0000	-0234.8	043.0	42.39*	10.23
309.0	000.1500	-0071.4	006.2	102.4	003.0000	-0235.0	043.1	42.38*	10.19
310.0	000.1500	-0066.9	006.2	102.3	003.0000	-0235.2	043.1	42.36*	10.14
311.0	000.1500	-0063.4	006.2	102.1	003.0000	-0235.4	043.2	42.35*	10.09
312.0	000.1500	-0060.9	006.2	102.0	003.0000	-0235.5	043.2	42.33*	10.03

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	
313.0	000.1500	-0057.3	006.2		101.9	003.0000	-0235.7	043.3	42.32*	9.98
314.0	000.1500	-0052.2	006.2		101.8	003.0000	-0235.9	043.4	42.30*	9.92
315.0	000.1500	-0046.2	006.2		101.6	003.0000	-0236.1	043.4	42.29*	9.87
316.0	000.1500	-0041.5	006.2		101.5	003.0000	-0236.2	043.5	42.27*	9.81
317.0	000.1500	-0040.4	006.2		101.4	003.0000	-0236.4	043.5	42.25*	9.74
318.0	000.1500	-0040.4	006.2		101.3	003.0000	-0236.6	043.6	42.24*	9.68
319.0	000.1500	-0036.8	006.2		101.2	003.0000	-0236.8	043.7	42.22*	9.61
320.0	000.1500	-0029.6	006.2		101.1	003.0000	-0237.1	043.7	42.20*	9.55
321.0	000.1500	-0026.5	006.2		100.9	003.0000	-0237.4	043.8	42.18*	9.48
322.0	000.1500	-0029.2	006.2		100.8	003.0000	-0237.7	043.9	42.16*	9.41
323.0	000.1500	-0031.9	006.2		100.7	003.0000	-0238.0	043.9	42.14*	9.34
324.0	000.1500	-0029.8	006.2		100.6	003.0000	-0238.4	044.0	42.12*	9.26
325.0	000.1500	-0025.6	006.2		100.5	003.0000	-0238.7	044.1	42.10*	9.19
326.0	000.1500	-0020.7	006.2		100.4	003.0000	-0239.0	044.2	42.08*	9.11
327.0	000.1500	-0015.0	006.2		100.3	003.0000	-0239.3	044.2	42.06*	9.03
328.0	000.1500	-0006.6	006.2		100.2	003.0000	-0239.6	044.3	42.04*	8.95
329.0	000.1500	0002.6	006.2		100.1	003.0000	-0239.9	044.4	42.02*	8.87
330.0	000.1500	0011.9	006.2		100.0	003.0000	-0240.2	044.5	42.00*	8.79
331.0	000.1500	0019.6	006.2		100.0	003.0000	-0240.5	044.6	41.97*	8.71
332.0	000.1500	0023.5	006.2		099.9	003.0000	-0240.8	044.7	41.95*	8.62
333.0	000.1500	0023.4	006.2		099.8	003.0000	-0241.1	044.7	41.93*	8.54
334.0	000.1500	0022.2	006.2		099.7	003.0000	-0241.4	044.8	41.91*	8.45
335.0	000.1500	0022.3	006.2		099.6	003.0000	-0241.7	044.9	41.88*	8.36
336.0	000.1500	0025.2	006.2		099.5	003.0000	-0242.0	045.0	41.86*	8.27
337.0	000.1500	0031.3	006.4		099.3	003.0000	-0242.7	045.0	41.85*	8.24
338.0	000.1500	0038.2	007.0		098.6	003.0000	-0245.3	044.8	41.91*	8.47
339.0	000.1500	0042.6	007.4		098.1	003.0000	-0246.5	044.7	41.94*	8.57
340.0	000.1500	0044.2	007.5		097.8	003.0000	-0246.9	044.8	41.92*	8.52
341.0	000.1500	0047.1	007.8		097.4	003.0000	-0247.8	044.8	41.93*	8.53
342.0	000.1500	0054.0	008.4		096.6	003.0000	-0249.9	044.6	41.97*	8.68
343.0	000.1500	0063.1	009.1		095.7	003.0000	-0250.7	044.5	42.01*	8.83
344.0	000.1500	0071.7	009.7		094.9	003.0000	-0251.4	044.4	42.02*	8.89
345.0	000.1500	0080.0	010.2		094.2	003.0000	-0253.5	044.4	42.03*	8.91

04-04-2018

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WBTN-FM BMLED20110511AGV

W232CG

Channel = 232A

Max ERP = 3 kW

RCAMSL = 473.6 m

N. Lat. 42 56 52.9

W. Lng. 73 10 33.9

Protected

60 dBu

Channel = 232D

Max ERP = 0.15 kW

RCAMSL = 331 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
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Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
046.0	003.0000	-0187.5	013.2	301.2	000.1500	-0097.5	043.6	29.23
047.0	003.0000	-0201.6	013.2	301.1	000.1500	-0097.8	043.4	29.29
048.0	003.0000	-0216.8	013.2	301.0	000.1500	-0098.0	043.2	29.35
049.0	003.0000	-0232.1	013.2	300.9	000.1500	-0098.2	042.9	29.41
050.0	003.0000	-0247.7	013.2	300.8	000.1500	-0098.5	042.7	29.47
051.0	003.0000	-0264.1	013.2	300.7	000.1500	-0098.7	042.5	29.53
052.0	003.0000	-0282.9	013.2	300.6	000.1500	-0099.0	042.3	29.60
053.0	003.0000	-0303.4	013.2	300.5	000.1500	-0099.3	042.1	29.66
054.0	003.0000	-0323.9	013.2	300.4	000.1500	-0099.7	041.9	29.72
055.0	003.0000	-0342.4	013.2	300.2	000.1500	-0100.1	041.7	29.78
056.0	003.0000	-0356.7	013.2	300.1	000.1500	-0100.5	041.4	29.85
057.0	003.0000	-0365.9	013.2	299.9	000.1500	-0101.0	041.2	29.91
058.0	003.0000	-0372.6	013.2	299.8	000.1500	-0101.5	041.0	29.97
059.0	003.0000	-0377.0	013.2	299.6	000.1500	-0102.1	040.8	30.03
060.0	003.0000	-0380.8	013.2	299.5	000.1500	-0102.7	040.6	30.09
061.0	003.0000	-0382.4	013.2	299.3	000.1500	-0103.4	040.4	30.15
062.0	003.0000	-0382.8	013.2	299.1	000.1500	-0104.1	040.2	30.21
063.0	003.0000	-0382.5	013.2	298.9	000.1500	-0104.8	040.1	30.27
064.0	003.0000	-0381.9	013.2	298.8	000.1500	-0105.7	039.9	30.33
065.0	003.0000	-0381.3	013.2	298.6	000.1500	-0106.6	039.7	30.39
066.0	003.0000	-0380.1	013.2	298.4	000.1500	-0107.5	039.5	30.45
067.0	003.0000	-0378.3	013.2	298.1	000.1500	-0108.5	039.3	30.51
068.0	003.0000	-0376.0	013.2	297.9	000.1500	-0109.6	039.1	30.57
069.0	003.0000	-0372.9	013.2	297.7	000.1500	-0110.9	039.0	30.62
070.0	003.0000	-0368.8	013.2	297.5	000.1500	-0112.4	038.8	30.68
071.0	003.0000	-0364.2	013.2	297.2	000.1500	-0114.0	038.6	30.73
072.0	003.0000	-0358.7	013.2	297.0	000.1500	-0115.7	038.5	30.79
073.0	003.0000	-0352.2	013.2	296.8	000.1500	-0117.6	038.3	30.84
074.0	003.0000	-0344.1	013.2	296.5	000.1500	-0119.6	038.1	30.89
075.0	003.0000	-0335.1	013.2	296.2	000.1500	-0121.6	038.0	30.95
076.0	003.0000	-0325.8	013.2	296.0	000.1500	-0123.6	037.8	31.00
077.0	003.0000	-0317.1	013.2	295.7	000.1500	-0125.5	037.7	31.04
078.0	003.0000	-0308.1	013.2	295.4	000.1500	-0127.4	037.6	31.09
079.0	003.0000	-0299.3	013.2	295.1	000.1500	-0129.2	037.4	31.14
080.0	003.0000	-0292.9	013.2	294.8	000.1500	-0130.9	037.3	31.18
081.0	003.0000	-0287.9	013.2	294.6	000.1500	-0132.5	037.2	31.23
082.0	003.0000	-0282.6	013.2	294.3	000.1500	-0133.8	037.0	31.27
083.0	003.0000	-0278.1	013.2	293.9	000.1500	-0134.9	036.9	31.31
084.0	003.0000	-0273.3	013.2	293.6	000.1500	-0136.0	036.8	31.35
085.0	003.0000	-0268.3	013.2	293.3	000.1500	-0137.0	036.7	31.39
086.0	003.0000	-0263.5	013.2	293.0	000.1500	-0137.9	036.6	31.43
087.0	003.0000	-0262.4	013.2	292.7	000.1500	-0138.9	036.5	31.46
088.0	003.0000	-0262.5	013.2	292.3	000.1500	-0139.9	036.4	31.50
089.0	003.0000	-0262.9	013.2	292.0	000.1500	-0141.2	036.3	31.53
090.0	003.0000	-0263.3	013.2	291.7	000.1500	-0142.5	036.2	31.56
091.0	003.0000	-0263.8	013.2	291.3	000.1500	-0144.1	036.1	31.59
092.0	003.0000	-0260.7	013.2	291.0	000.1500	-0145.8	036.1	31.62
093.0	003.0000	-0257.5	013.2	290.6	000.1500	-0147.7	036.0	31.64
094.0	003.0000	-0254.2	013.2	290.3	000.1500	-0149.9	035.9	31.66
095.0	003.0000	-0251.3	013.2	289.9	000.1500	-0152.4	035.9	31.69

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
096.0	003.0000	-0250.6	013.2	289.6	000.1500	-0154.8	035.8	31.71
097.0	003.0000	-0248.9	013.2	289.2	000.1500	-0157.1	035.8	31.72
098.0	003.0000	-0246.6	013.2	288.8	000.1500	-0159.4	035.7	31.74
099.0	003.0000	-0243.9	013.2	288.5	000.1500	-0161.7	035.7	31.75
100.0	003.0000	-0240.4	013.2	288.1	000.1500	-0163.9	035.6	31.77
101.0	003.0000	-0237.2	013.2	287.7	000.1500	-0166.1	035.6	31.78
102.0	003.0000	-0235.6	013.2	287.4	000.1500	-0168.4	035.6	31.78
103.0	003.0000	-0233.7	013.2	287.0	000.1500	-0170.6	035.6	31.79
104.0	003.0000	-0229.9	013.2	286.6	000.1500	-0172.9	035.6	31.79
105.0	003.0000	-0223.8	013.2	286.3	000.1500	-0175.4	035.5	31.80
106.0	003.0000	-0217.7	013.2	285.9	000.1500	-0177.9	035.5	31.80
107.0	003.0000	-0214.4	013.2	285.5	000.1500	-0180.5	035.6	31.79
108.0	003.0000	-0214.1	013.2	285.1	000.1500	-0183.0	035.6	31.79
109.0	003.0000	-0215.5	013.2	284.8	000.1500	-0185.2	035.6	31.79
110.0	003.0000	-0216.3	013.2	284.4	000.1500	-0187.0	035.6	31.78
111.0	003.0000	-0215.4	013.2	284.0	000.1500	-0188.3	035.6	31.77
112.0	003.0000	-0214.1	013.2	283.7	000.1500	-0189.2	035.7	31.76
113.0	003.0000	-0214.2	013.2	283.3	000.1500	-0189.9	035.7	31.74
114.0	003.0000	-0215.7	013.2	282.9	000.1500	-0190.1	035.7	31.73
115.0	003.0000	-0217.6	013.2	282.6	000.1500	-0189.7	035.8	31.71
116.0	003.0000	-0218.4	013.2	282.2	000.1500	-0188.9	035.8	31.69
117.0	003.0000	-0217.1	013.2	281.9	000.1500	-0187.9	035.9	31.67
118.0	003.0000	-0214.3	013.2	281.5	000.1500	-0186.8	036.0	31.65
119.0	003.0000	-0211.6	013.2	281.2	000.1500	-0185.6	036.0	31.62
120.0	003.0000	-0209.6	013.2	280.8	000.1500	-0184.6	036.1	31.60
121.0	003.0000	-0208.1	013.2	280.5	000.1500	-0183.3	036.2	31.57
122.0	003.0000	-0208.1	013.2	280.1	000.1500	-0181.9	036.3	31.54
123.0	003.0000	-0209.4	013.2	279.8	000.1500	-0180.5	036.4	31.51
124.0	003.0000	-0211.2	013.2	279.5	000.1500	-0179.0	036.5	31.47
125.0	003.0000	-0212.5	013.2	279.1	000.1500	-0177.5	036.6	31.44
126.0	003.0000	-0213.0	013.2	278.8	000.1500	-0176.0	036.7	31.40
127.0	003.0000	-0213.2	013.2	278.5	000.1500	-0174.7	036.8	31.36
128.0	003.0000	-0213.2	013.2	278.2	000.1500	-0173.3	036.9	31.32
129.0	003.0000	-0212.8	013.2	277.9	000.1500	-0171.9	037.0	31.28
130.0	003.0000	-0211.7	013.2	277.6	000.1500	-0170.5	037.1	31.24
131.0	003.0000	-0210.2	013.2	277.3	000.1500	-0169.1	037.3	31.20
132.0	003.0000	-0208.1	013.2	277.0	000.1500	-0167.9	037.4	31.15
133.0	003.0000	-0205.3	013.2	276.7	000.1500	-0166.3	037.5	31.10
134.0	003.0000	-0201.1	013.2	276.4	000.1500	-0164.6	037.7	31.06
135.0	003.0000	-0195.6	013.2	276.1	000.1500	-0163.0	037.8	31.01
136.0	003.0000	-0189.9	013.2	275.9	000.1500	-0161.5	038.0	30.96
137.0	003.0000	-0184.6	013.2	275.6	000.1500	-0160.0	038.1	30.91
138.0	003.0000	-0180.4	013.2	275.4	000.1500	-0158.6	038.3	30.86
139.0	003.0000	-0176.6	013.2	275.1	000.1500	-0157.2	038.4	30.80
140.0	003.0000	-0171.9	013.2	274.9	000.1500	-0155.9	038.6	30.75
141.0	003.0000	-0165.7	013.2	274.6	000.1500	-0154.7	038.8	30.69
142.0	003.0000	-0158.4	013.2	274.4	000.1500	-0153.6	038.9	30.64
143.0	003.0000	-0151.5	013.2	274.2	000.1500	-0152.6	039.1	30.58
144.0	003.0000	-0146.2	013.2	274.0	000.1500	-0151.5	039.3	30.52
145.0	003.0000	-0142.7	013.2	273.7	000.1500	-0150.5	039.4	30.47
146.0	003.0000	-0140.0	013.2	273.5	000.1500	-0149.5	039.6	30.41

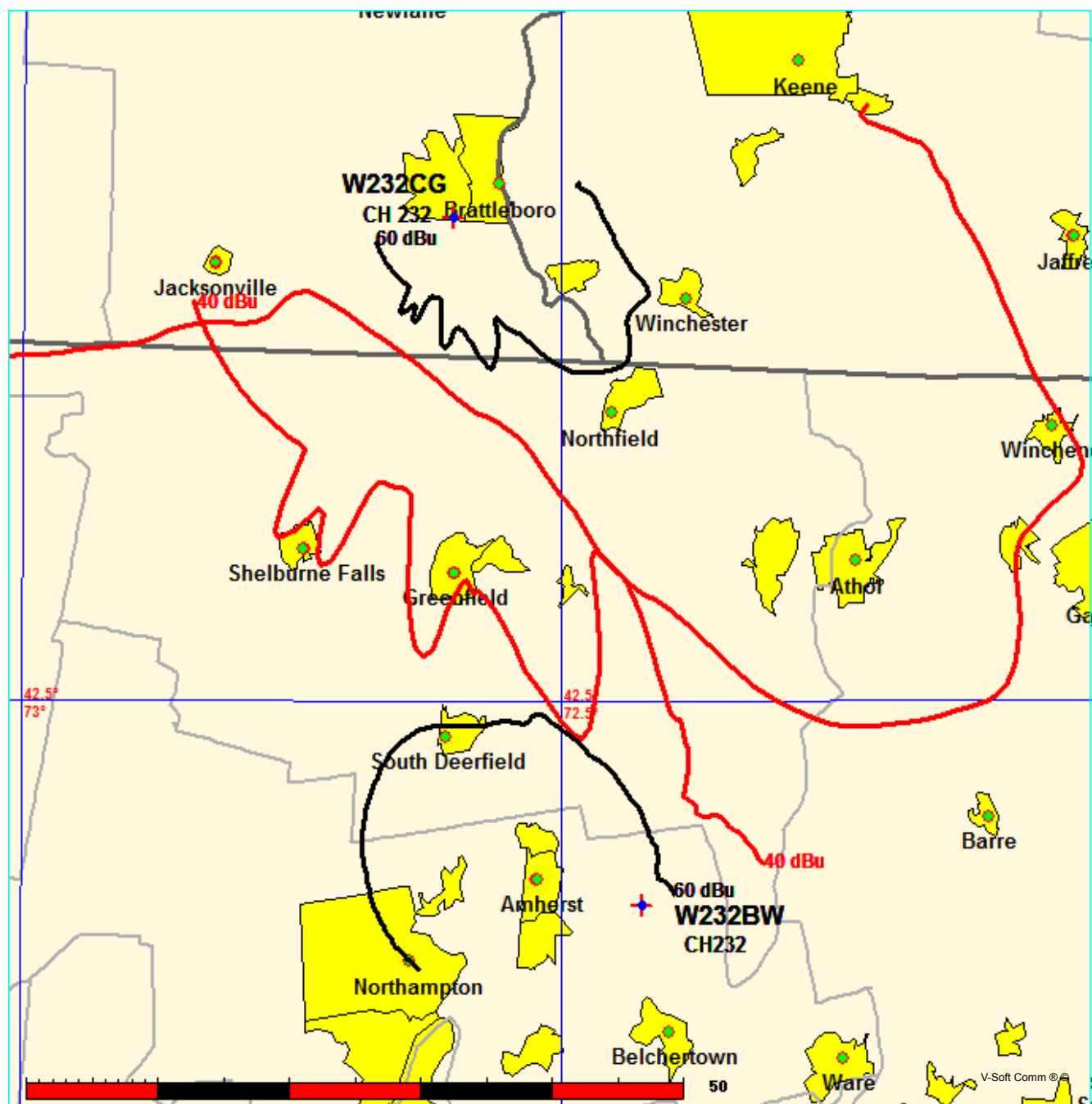
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
147.0	003.0000	-0136.7	013.2		273.3	000.1500	-0148.7	039.8	30.35
148.0	003.0000	-0132.2	013.2		273.2	000.1500	-0147.8	040.0	30.29
149.0	003.0000	-0128.2	013.2		273.0	000.1500	-0147.0	040.2	30.23
150.0	003.0000	-0127.9	013.2		272.8	000.1500	-0146.2	040.4	30.17
151.0	003.0000	-0130.3	013.2		272.6	000.1500	-0145.5	040.6	30.11
152.0	003.0000	-0132.9	013.2		272.5	000.1500	-0144.8	040.8	30.05
153.0	003.0000	-0135.2	013.2		272.3	000.1500	-0144.1	041.0	29.99
154.0	003.0000	-0137.1	013.2		272.1	000.1500	-0143.4	041.2	29.92
155.0	003.0000	-0137.3	013.2		272.0	000.1500	-0142.8	041.4	29.86
156.0	003.0000	-0134.9	013.2		271.9	000.1500	-0142.2	041.6	29.80
157.0	003.0000	-0128.6	013.2		271.7	000.1500	-0141.6	041.8	29.74
158.0	003.0000	-0118.0	013.2		271.6	000.1500	-0141.0	042.0	29.68
159.0	003.0000	-0106.1	013.2		271.5	000.1500	-0140.5	042.2	29.61
160.0	003.0000	-0095.4	013.2		271.4	000.1500	-0140.0	042.5	29.55
161.0	003.0000	-0085.4	013.2		271.3	000.1500	-0139.5	042.7	29.49
162.0	003.0000	-0074.0	013.2		271.1	000.1500	-0139.1	042.9	29.43
163.0	003.0000	-0059.4	013.2		271.1	000.1500	-0138.7	043.1	29.36
164.0	003.0000	-0040.2	013.2		271.0	000.1500	-0138.4	043.3	29.30
165.0	003.0000	-0018.5	013.2		270.9	000.1500	-0138.1	043.5	29.24

Contour-to-Contour Channel Study - W232CG vs W232BW
Vermont Public Radio

FMCommander Single Allocation Study - 04-04-2018 - GLOBE 30 Sec
W232CG's Overlaps (In= 4.57 km, Out= 0.23 km)

W232CG CH 232 D
Lat= 42 49 42.2, Lng= 72 36 00.3
0.15 kW 46.8 m HAAT, 331 m COR
Prot.= 60 dBu, Intef.= 40 dBu

W232BW CH 232 D DA BLFT20110422AAO
Lat= 42 21 49.0, Lng= 72 25 24.0
0.2 kW 230.1 m HAAT, 404 m COR
Prot.= 60 dBu, Intef.= 40 dBu



04-04-2018

Terrain Data: GLOBE 30 Sec

FMOver Analysis

W232CG

W232BW BLFT20110422AAO

Channel = 232D

Max ERP = 0.15 kW

RCAMSL = 331 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Protected

60 dBu

Channel = 232D

Max ERP = 0.2 kW

RCAMSL = 404 m

N. Lat. 42 21 49.0

W. Lng. 72 25 24.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
104.0	000.1500	0141.9	013.5	358.4	000.0344	0075.1	048.4	27.63	
105.0	000.1500	0147.3	013.8	358.6	000.0338	0074.1	048.1	27.56	
106.0	000.1500	0153.3	014.1	358.9	000.0331	0073.1	047.8	27.47	
107.0	000.1500	0160.9	014.4	359.3	000.0322	0071.6	047.4	27.33	
108.0	000.1500	0169.1	014.8	359.6	000.0313	0070.1	047.1	27.18	
109.0	000.1500	0177.5	015.2	360.0	000.0305	0068.7	046.7	27.05	
110.0	000.1500	0185.2	015.6	000.2	000.0297	0067.6	046.3	26.95	
111.0	000.1500	0191.3	015.8	000.4	000.0291	0066.9	046.0	26.91	
112.0	000.1500	0193.5	015.9	000.4	000.0292	0067.0	045.7	27.03	
113.0	000.1500	0192.3	015.8	000.2	000.0298	0067.7	045.5	27.28	
114.0	000.1500	0188.9	015.7	359.9	000.0306	0069.0	045.3	27.60	
115.0	000.1500	0185.0	015.5	359.6	000.0315	0070.3	045.1	27.92	
116.0	000.1500	0182.2	015.4	359.3	000.0321	0071.5	044.9	28.20	
117.0	000.1500	0180.0	015.3	359.0	000.0328	0072.6	044.7	28.46	
118.0	000.1500	0178.0	015.3	358.8	000.0334	0073.6	044.5	28.73	
119.0	000.1500	0176.6	015.2	358.5	000.0341	0074.6	044.3	28.98	
120.0	000.1500	0177.4	015.2	358.4	000.0344	0075.2	044.1	29.18	
121.0	000.1500	0180.1	015.3	358.3	000.0346	0075.4	043.8	29.32	
122.0	000.1500	0184.9	015.5	358.4	000.0345	0075.4	043.4	29.44	
123.0	000.1500	0191.0	015.8	358.4	000.0343	0075.0	043.1	29.52	
124.0	000.1500	0197.3	016.1	358.5	000.0341	0074.7	042.7	29.61	
125.0	000.1500	0203.2	016.3	358.6	000.0340	0074.5	042.3	29.71	
126.0	000.1500	0208.0	016.5	358.5	000.0340	0074.6	042.0	29.86	
127.0	000.1500	0212.5	016.7	358.5	000.0341	0074.8	041.6	30.02	
128.0	000.1500	0217.5	016.9	358.5	000.0342	0074.9	041.3	30.19	
129.0	000.1500	0221.5	017.1	358.4	000.0345	0075.3	040.9	30.39	
130.0	000.1500	0223.2	017.1	358.2	000.0350	0076.1	040.7	30.65	
131.0	000.1500	0222.5	017.1	357.8	000.0358	0077.2	040.5	30.94	
132.0	000.1500	0219.6	017.0	357.4	000.0369	0078.5	040.3	31.26	
133.0	000.1500	0214.9	016.8	356.9	000.0382	0079.7	040.3	31.57	
134.0	000.1500	0209.7	016.6	356.4	000.0396	0080.8	040.2	31.85	
135.0	000.1500	0205.2	016.4	355.9	000.0409	0081.8	040.2	32.11	
136.0	000.1500	0201.0	016.2	355.5	000.0423	0082.5	040.1	32.34	
137.0	000.1500	0196.3	016.0	355.0	000.0437	0083.0	040.1	32.54	
138.0	000.1500	0190.9	015.8	354.5	000.0452	0083.7	040.1	32.75	
139.0	000.1500	0185.3	015.6	354.0	000.0467	0083.7	040.2	32.88	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
140.0	000.1500	0180.1	015.3	353.5	000.0481	0083.6	040.2	32.99
141.0	000.1500	0175.0	015.1	353.0	000.0496	0083.8	040.2	33.13
142.0	000.1500	0169.5	014.9	352.5	000.0512	0084.9	040.3	33.34
143.0	000.1500	0162.5	014.5	351.9	000.0530	0086.9	040.5	33.62
144.0	000.1500	0153.6	014.1	351.3	000.0549	0090.0	040.8	33.95
145.0	000.1500	0143.1	013.5	350.7	000.0570	0093.6	041.1	34.29
146.0	000.1500	0131.6	012.9	350.0	000.0591	0096.9	041.6	34.55
147.0	000.1500	0118.8	012.3	349.4	000.0610	0098.7	042.0	34.65
148.0	000.1500	0105.8	011.7	348.8	000.0629	0100.4	042.6	34.71
149.0	000.1500	0093.5	011.0	348.3	000.0648	0101.8	043.1	34.72
150.0	000.1500	0083.8	010.5	347.8	000.0663	0103.2	043.6	34.75
151.0	000.1500	0077.0	010.1	347.4	000.0676	0105.3	043.9	34.85
152.0	000.1500	0072.7	009.8	347.1	000.0687	0107.6	044.2	35.00
153.0	000.1500	0069.7	009.6	346.9	000.0696	0109.9	044.3	35.17
154.0	000.1500	0066.1	009.3	346.6	000.0706	0112.2	044.5	35.30
155.0	000.1500	0060.5	009.0	346.3	000.0716	0114.5	044.8	35.38
156.0	000.1500	0054.7	008.5	346.0	000.0727	0116.7	045.3	35.41
157.0	000.1500	0051.5	008.2	345.7	000.0735	0118.5	045.5	35.46
158.0	000.1500	0053.8	008.4	345.6	000.0740	0119.4	045.3	35.64
159.0	000.1500	0061.3	009.0	345.5	000.0744	0120.1	044.7	35.94
160.0	000.1500	0070.7	009.7	345.4	000.0748	0120.9	044.0	36.29
161.0	000.1500	0078.8	010.2	345.2	000.0755	0121.9	043.5	36.59
162.0	000.1500	0085.9	010.6	345.0	000.0762	0123.0	043.1	36.88
163.0	000.1500	0092.1	010.9	344.8	000.0770	0124.2	042.7	37.15
164.0	000.1500	0098.6	011.3	344.5	000.0779	0125.3	042.4	37.42
165.0	000.1500	0104.9	011.6	344.2	000.0789	0126.3	042.0	37.67
166.0	000.1500	0108.4	011.8	343.9	000.0800	0127.2	041.9	37.86
167.0	000.1500	0105.8	011.7	343.7	000.0810	0127.9	042.0	37.89
168.0	000.1500	0098.6	011.3	343.4	000.0819	0128.5	042.4	37.80
169.0	000.1500	0090.6	010.9	343.2	000.0826	0128.9	042.9	37.66
170.0	000.1500	0085.5	010.6	343.0	000.0834	0129.4	043.2	37.59
171.0	000.1500	0080.5	010.3	342.8	000.0841	0129.8	043.5	37.52
172.0	000.1500	0072.1	009.7	342.7	000.0846	0130.0	044.0	37.33
173.0	000.1500	0065.9	009.3	342.6	000.0850	0130.3	044.5	37.18
174.0	000.1500	0061.6	009.0	342.5	000.0855	0130.5	044.8	37.09
175.0	000.1500	0057.7	008.8	342.4	000.0860	0130.7	045.1	36.99
176.0	000.1500	0055.3	008.6	342.2	000.0865	0130.9	045.3	36.93
177.0	000.1500	0055.5	008.6	342.0	000.0872	0131.2	045.3	36.98
178.0	000.1500	0052.0	008.3	342.0	000.0875	0131.3	045.7	36.85
179.0	000.1500	0053.4	008.4	341.7	000.0883	0131.6	045.6	36.95
180.0	000.1500	0056.9	008.7	341.4	000.0895	0132.1	045.4	37.13
181.0	000.1500	0060.4	009.0	341.2	000.0906	0132.8	045.2	37.31
182.0	000.1500	0068.0	009.5	340.7	000.0923	0133.9	044.7	37.62
183.0	000.1500	0073.4	009.8	340.4	000.0938	0135.2	044.5	37.87
184.0	000.1500	0074.6	009.9	340.1	000.0947	0136.3	044.5	37.97
185.0	000.1500	0073.2	009.8	340.0	000.0954	0137.1	044.6	37.98
186.0	000.1500	0066.9	009.4	340.0	000.0952	0136.9	045.1	37.78
187.0	000.1500	0055.6	008.6	340.3	000.0941	0135.6	045.9	37.33
188.0	000.1500	0042.4	007.4	340.8	000.0920	0133.7	047.0	36.67
189.0	000.1500	0030.9	006.3	341.3	000.0902	0132.5	048.0	36.13
190.0	000.1500	0022.6	006.2	341.2	000.0905	0132.7	048.1	36.11

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
191.0	000.1500	0016.2	006.2		341.1	000.0909	0133.0	048.2	36.12
192.0	000.1500	0012.7	006.2		341.0	000.0913	0133.3	048.2	36.14
193.0	000.1500	0012.9	006.2		340.9	000.0918	0133.6	048.3	36.15
194.0	000.1500	0017.0	006.2		340.8	000.0922	0133.9	048.3	36.16
195.0	000.1500	0022.9	006.2		340.6	000.0926	0134.2	048.4	36.18
196.0	000.1500	0027.9	006.2		340.5	000.0930	0134.6	048.5	36.19
197.0	000.1500	0032.1	006.4		340.3	000.0940	0135.4	048.4	36.32
198.0	000.1500	0038.1	007.0		339.8	000.0959	0138.1	048.0	36.68
199.0	000.1500	0046.7	007.8		339.1	000.0985	0143.3	047.5	37.28
200.0	000.1500	0052.9	008.3		338.5	000.1006	0148.6	047.1	37.79
201.0	000.1500	0054.8	008.5		338.2	000.1016	0151.2	047.1	37.97
202.0	000.1500	0053.1	008.4		338.2	000.1016	0151.2	047.3	37.89
203.0	000.1500	0047.9	007.9		338.5	000.1005	0148.5	047.8	37.53
204.0	000.1500	0041.8	007.3		338.9	000.0992	0145.1	048.3	37.10
205.0	000.1500	0040.8	007.2		338.8	000.0993	0145.3	048.4	37.06
206.0	000.1500	0044.6	007.6		338.4	000.1008	0149.1	048.3	37.37
207.0	000.1500	0048.5	007.9		338.0	000.1023	0153.2	048.1	37.71
208.0	000.1500	0051.0	008.2		337.7	000.1035	0156.3	048.1	37.93
209.0	000.1500	0052.9	008.3		337.4	000.1045	0159.0	048.1	38.11
210.0	000.1500	0051.7	008.2		337.4	000.1045	0159.0	048.3	38.04
211.0	000.1500	0045.3	007.6		337.9	000.1028	0154.3	048.7	37.54
212.0	000.1500	0037.3	006.9		338.5	000.1006	0148.6	049.3	36.95
213.0	000.1500	0030.4	006.3		339.0	000.0988	0144.2	049.7	36.46
214.0	000.1500	0024.8	006.2		338.9	000.0990	0144.5	049.9	36.44
215.0	000.1500	0019.3	006.2		338.9	000.0992	0145.1	049.9	36.45
216.0	000.1500	0014.6	006.2		338.8	000.0995	0145.7	050.0	36.46
217.0	000.1500	0010.6	006.2		338.7	000.0997	0146.3	050.1	36.46
218.0	000.1500	0006.7	006.2		338.7	000.0999	0146.8	050.2	36.47
219.0	000.1500	0002.4	006.2		338.6	000.1001	0147.4	050.3	36.47
220.0	000.1500	-0001.7	006.2		338.6	000.1004	0148.0	050.4	36.47
221.0	000.1500	-0005.3	006.2		338.5	000.1006	0148.6	050.5	36.47
222.0	000.1500	-0009.4	006.2		338.4	000.1008	0149.1	050.6	36.47
223.0	000.1500	-0014.5	006.2		338.4	000.1010	0149.6	050.7	36.47

04-04-2018

Terrain Data: GLOBE 30 Sec

FMOver Analysis

W232BW BLFT20110422AAO

W232CG

Channel = 232D

Max ERP = 0.2 kW

RCAMSL = 404 m

N. Lat. 42 21 49.0

W. Lng. 72 25 24.0

Protected

60 dBu

Channel = 232D

Max ERP = 0.15 kW

RCAMSL = 331 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
284.0	000.1773	0341.9	022.1	188.5	000.1500	0035.9	046.9	29.47	
285.0	000.1797	0341.1	022.2	188.5	000.1500	0035.8	046.5	29.54	
286.0	000.1822	0340.4	022.2	188.5	000.1500	0035.7	046.1	29.63	
287.0	000.1846	0339.7	022.3	188.5	000.1500	0035.8	045.7	29.75	
288.0	000.1871	0338.9	022.3	188.5	000.1500	0036.0	045.3	29.89	
289.0	000.1896	0338.0	022.4	188.5	000.1500	0036.3	044.9	30.07	
290.0	000.1921	0337.1	022.4	188.5	000.1500	0036.8	044.5	30.27	
291.0	000.1929	0336.3	022.4	188.3	000.1500	0038.1	044.1	30.62	
292.0	000.1937	0335.7	022.4	188.2	000.1500	0039.5	043.8	30.97	
293.0	000.1944	0335.3	022.4	188.1	000.1500	0040.9	043.4	31.35	
294.0	000.1952	0334.8	022.4	188.0	000.1500	0042.6	043.0	31.76	
295.0	000.1960	0334.2	022.4	187.8	000.1500	0044.5	042.6	32.20	
296.0	000.1968	0333.7	022.4	187.7	000.1500	0046.4	042.3	32.66	
297.0	000.1976	0333.2	022.4	187.5	000.1500	0048.6	041.9	33.13	
298.0	000.1984	0332.7	022.4	187.4	000.1500	0050.8	041.5	33.62	
299.0	000.1992	0331.8	022.4	187.2	000.1500	0053.5	041.1	34.15	
300.0	000.2000	0330.7	022.4	186.9	000.1500	0056.7	040.8	34.72	
301.0	000.1992	0329.3	022.3	186.6	000.1500	0060.8	040.5	35.35	
302.0	000.1984	0327.6	022.3	186.3	000.1500	0064.5	040.1	35.90	
303.0	000.1976	0325.6	022.2	185.9	000.1500	0067.4	039.8	36.36	
304.0	000.1968	0323.2	022.1	185.5	000.1500	0070.3	039.5	36.79	
305.0	000.1960	0320.0	022.0	185.1	000.1500	0072.7	039.3	37.16	
306.0	000.1952	0316.0	021.8	184.6	000.1500	0074.7	039.0	37.48	
307.0	000.1944	0311.2	021.6	184.1	000.1500	0074.8	038.8	37.58	
308.0	000.1937	0305.6	021.4	183.5	000.1500	0073.9	038.6	37.57	
309.0	000.1929	0299.1	021.2	182.9	000.1500	0073.3	038.4	37.56	
310.0	000.1921	0291.0	020.9	182.2	000.1500	0070.2	038.3	37.27	
311.0	000.1896	0281.6	020.5	181.4	000.1500	0062.0	038.3	36.34	
312.0	000.1871	0271.7	020.0	180.6	000.1500	0059.0	038.3	35.98	
313.0	000.1846	0262.8	019.7	179.8	000.1500	0056.3	038.3	35.61	
314.0	000.1822	0255.1	019.3	179.1	000.1500	0053.7	038.3	35.24	
315.0	000.1797	0247.7	019.0	178.4	000.1500	0051.5	038.3	34.90	
316.0	000.1773	0240.0	018.6	177.6	000.1500	0053.6	038.3	35.21	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
317.0	000.1749	0233.4	018.3	177.0	000.1500	0055.6	038.4	35.47
318.0	000.1725	0229.3	018.0	176.4	000.1500	0055.5	038.4	35.48
319.0	000.1702	0227.2	017.9	175.9	000.1500	0055.4	038.3	35.49
320.0	000.1678	0225.7	017.8	175.4	000.1500	0056.6	038.2	35.69
321.0	000.1642	0224.1	017.6	174.9	000.1500	0058.1	038.2	35.90
322.0	000.1606	0221.9	017.4	174.3	000.1500	0060.1	038.2	36.16
323.0	000.1571	0218.7	017.2	173.8	000.1500	0062.8	038.2	36.47
324.0	000.1536	0214.1	016.9	173.1	000.1500	0065.3	038.3	36.72
325.0	000.1502	0209.2	016.6	172.5	000.1500	0068.2	038.4	36.99
326.0	000.1468	0206.4	016.3	172.0	000.1500	0072.0	038.5	37.40
327.0	000.1434	0207.2	016.3	171.6	000.1500	0076.0	038.4	37.85
328.0	000.1400	0211.0	016.3	171.2	000.1500	0079.0	038.3	38.24
329.0	000.1368	0216.0	016.4	170.9	000.1500	0081.2	038.1	38.55
330.0	000.1335	0219.2	016.4	170.5	000.1500	0083.2	038.0	38.81
331.0	000.1294	0217.5	016.2	170.0	000.1500	0085.6	038.1	39.01
332.0	000.1253	0209.8	015.8	169.4	000.1500	0088.6	038.4	39.17
333.0	000.1213	0198.7	015.2	168.7	000.1500	0092.2	038.9	39.31
334.0	000.1174	0188.2	014.7	168.2	000.1500	0096.9	039.3	39.55
335.0	000.1136	0179.8	014.3	167.7	000.1500	0101.4	039.6	39.79
336.0	000.1098	0171.9	013.8	167.2	000.1500	0104.8	040.0	39.90
337.0	000.1060	0162.8	013.3	166.7	000.1500	0106.9	040.5	39.87
338.0	000.1024	0153.3	012.8	166.3	000.1500	0108.1	041.0	39.75
339.0	000.0988	0144.0	012.3	165.9	000.1500	0108.4	041.5	39.56
340.0	000.0952	0136.9	011.8	165.5	000.1500	0107.6	041.9	39.33
341.0	000.0912	0133.2	011.5	165.2	000.1500	0106.2	042.1	39.11
342.0	000.0873	0131.2	011.3	164.9	000.1500	0104.6	042.3	38.91
343.0	000.0835	0129.4	011.1	164.7	000.1500	0102.8	042.5	38.70
344.0	000.0798	0127.0	010.9	164.4	000.1500	0101.2	042.7	38.48
345.0	000.0761	0123.0	010.6	164.2	000.1500	0099.6	043.0	38.24
346.0	000.0726	0116.6	010.3	163.9	000.1500	0098.2	043.4	37.96
347.0	000.0691	0108.6	009.8	163.7	000.1500	0096.8	043.9	37.67
348.0	000.0657	0102.6	009.4	163.5	000.1500	0095.7	044.3	37.41
349.0	000.0624	0099.9	009.2	163.4	000.1500	0094.4	044.5	37.20
350.0	000.0592	0097.0	008.9	163.2	000.1500	0093.3	044.8	37.00
351.0	000.0559	0091.7	008.5	163.1	000.1500	0092.5	045.2	36.78
352.0	000.0527	0086.6	008.1	163.0	000.1500	0091.8	045.6	36.56
353.0	000.0496	0083.7	007.9	162.8	000.1500	0091.0	045.9	36.38
354.0	000.0465	0083.7	007.7	162.7	000.1500	0090.2	046.0	36.25
355.0	000.0436	0082.9	007.6	162.6	000.1500	0089.4	046.2	36.11
356.0	000.0408	0081.6	007.4	162.5	000.1500	0088.7	046.4	35.98
357.0	000.0381	0079.6	007.2	162.4	000.1500	0088.2	046.7	35.84
358.0	000.0354	0076.7	006.9	162.3	000.1500	0087.8	047.0	35.70
359.0	000.0329	0072.7	006.6	162.3	000.1500	0087.6	047.3	35.56
000.0	000.0304	0068.6	006.3	162.3	000.1500	0087.4	047.6	35.44
001.0	000.0274	0064.1	006.0	162.3	000.1500	0087.5	048.0	35.31
002.0	000.0245	0060.9	005.7	162.3	000.1500	0087.5	048.3	35.20
003.0	000.0218	0058.4	005.4	162.3	000.1500	0087.4	048.6	35.10
004.0	000.0192	0057.1	005.2	162.3	000.1500	0087.4	048.8	35.01
005.0	000.0168	0057.6	005.1	162.2	000.1500	0087.2	049.0	34.93
006.0	000.0146	0057.9	004.9	162.2	000.1500	0087.1	049.1	34.86
007.0	000.0125	0058.8	004.7	162.2	000.1500	0087.0	049.3	34.79

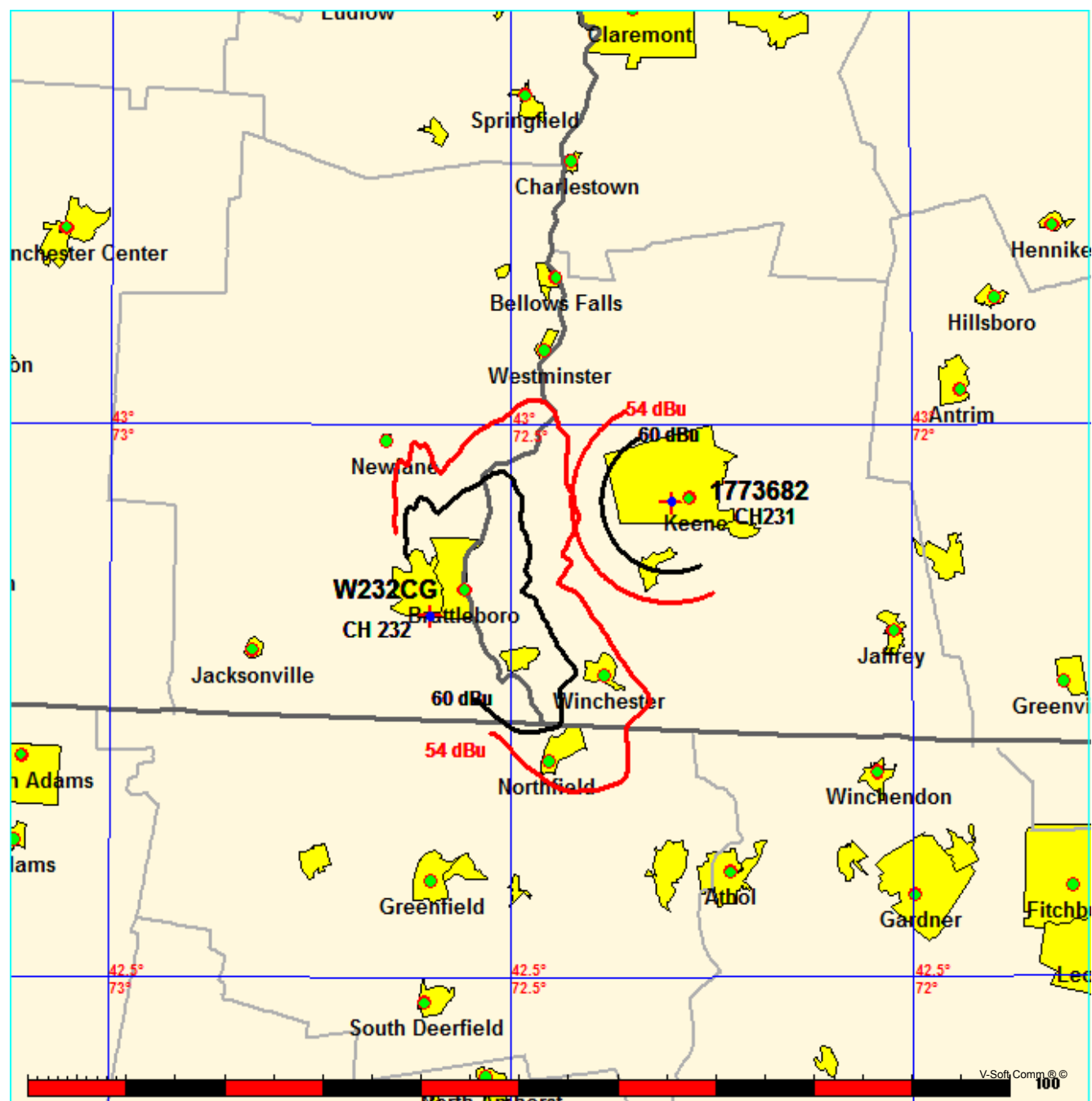
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
008.0	000.0106	0060.7	004.6		162.2	000.1500	0086.9	049.5	34.72
009.0	000.0088	0064.7	004.5		162.1	000.1500	0086.7	049.6	34.66
010.0	000.0072	0070.7	004.5		162.1	000.1500	0086.3	049.6	34.61
011.0	000.0062	0077.2	004.5		162.0	000.1500	0085.7	049.7	34.55
012.0	000.0052	0079.7	004.4		162.0	000.1500	0085.6	049.8	34.49
013.0	000.0044	0079.5	004.2		162.0	000.1500	0085.9	050.0	34.44
014.0	000.0036	0080.9	004.0		162.0	000.1500	0086.2	050.2	34.39
015.0	000.0029	0085.8	003.9		162.0	000.1500	0086.2	050.3	34.34
016.0	000.0022	0092.6	003.8		162.0	000.1500	0086.2	050.5	34.30
017.0	000.0017	0096.5	003.6		162.1	000.1500	0086.6	050.7	34.26
018.0	000.0012	0097.4	003.3		162.2	000.1500	0087.4	050.9	34.23
019.0	000.0008	0097.7	003.0		162.4	000.1500	0088.5	051.3	34.20
020.0	000.0005	0099.2	002.6		162.6	000.1500	0089.6	051.6	34.19
021.0	000.0005	0101.6	002.6		162.6	000.1500	0089.5	051.6	34.16
022.0	000.0004	0105.0	002.5		162.6	000.1500	0089.4	051.7	34.13
023.0	000.0004	0109.1	002.5		162.6	000.1500	0089.3	051.7	34.10
024.0	000.0004	0113.4	002.5		162.5	000.1500	0089.2	051.8	34.08
025.0	000.0003	0118.4	002.5		162.5	000.1500	0089.1	051.8	34.05
026.0	000.0003	0124.8	002.4		162.5	000.1500	0089.1	051.9	34.03
027.0	000.0003	0131.2	002.4		162.5	000.1500	0089.1	051.9	34.00
028.0	000.0002	0135.5	002.3		162.5	000.1500	0089.2	052.0	33.98
029.0	000.0002	0137.1	002.2		162.6	000.1500	0089.4	052.1	33.97
030.0	000.0002	0137.8	002.1		162.6	000.1500	0089.6	052.2	33.96
031.0	000.0002	0138.6	002.2		162.6	000.1500	0089.4	052.2	33.93
032.0	000.0002	0139.3	002.2		162.6	000.1500	0089.3	052.2	33.91
033.0	000.0002	0139.7	002.2		162.5	000.1500	0089.1	052.3	33.88
034.0	000.0002	0140.0	002.2		162.5	000.1500	0088.9	052.3	33.86
035.0	000.0002	0141.6	002.2		162.5	000.1500	0088.7	052.3	33.84
036.0	000.0002	0145.3	002.2		162.4	000.1500	0088.5	052.3	33.81
037.0	000.0002	0150.7	002.2		162.4	000.1500	0088.2	052.3	33.78
038.0	000.0002	0155.8	002.2		162.3	000.1500	0087.9	052.4	33.75
039.0	000.0002	0159.9	002.3		162.3	000.1500	0087.6	052.4	33.72
040.0	000.0002	0163.5	002.3		162.3	000.1500	0087.4	052.4	33.69
041.0	000.0002	0166.7	002.3		162.2	000.1500	0087.2	052.4	33.67
042.0	000.0002	0168.8	002.3		162.2	000.1500	0087.0	052.5	33.64
043.0	000.0002	0169.8	002.3		162.2	000.1500	0086.9	052.5	33.62

Contour-to-Contour Channel Study - W232CG vs 1773682
Vermont Public Radio

FMCommander Single Allocation Study - 04-04-2018 - GLOBE 30 Sec
W232CG's Overlaps (In= 4.91 km, Out= 2.81 km)

W232CG CH 232 D
Lat= 42 49 42.2, Lng= 72 36 00.3
0.15 kW 46.8 m HAAT, 331 m COR
Prot.= 60 dBu, Intef.= 54 dBu

1773682 CH 231 D BNPFT20180130AFC
Lat= 42 55 50.0, Lng= 72 18 00.0
0.25 kW 0 m HAAT, 193 m COR
Prot.= 60 dBu, Intef.= 54 dBu



04-04-2018

Terrain Data: GLOBE 30 Sec

FMOver Analysis

W232CG

1773682 BNPFT20180130AFC

Channel = 232D

Max ERP = 0.15 kW

RCAMSL = 331 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Protected

60 dBu

Channel = 231D

Max ERP = 0.25 kW

RCAMSL = 193 m

N. Lat. 42 55 50.0

W. Lng. 72 18 00.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
005.0	000.1500	0084.7	010.5	267.9	000.2500	-0066.2	023.5	40.16	
006.0	000.1500	0089.0	010.8	268.5	000.2500	-0064.6	023.3	40.32	
007.0	000.1500	0091.7	010.9	268.8	000.2500	-0063.5	023.1	40.47	
008.0	000.1500	0091.7	010.9	268.7	000.2500	-0063.8	022.9	40.60	
009.0	000.1500	0095.4	011.1	269.2	000.2500	-0062.6	022.7	40.77	
010.0	000.1500	0102.3	011.5	270.0	000.2500	-0061.3	022.4	40.96	
011.0	000.1500	0109.1	011.9	270.8	000.2500	-0060.6	022.2	41.16	
012.0	000.1500	0114.0	012.1	271.3	000.2500	-0060.1	021.9	41.35	
013.0	000.1500	0118.8	012.3	271.8	000.2500	-0059.6	021.7	41.54	
014.0	000.1500	0124.9	012.6	272.5	000.2500	-0058.9	021.4	41.74	
015.0	000.1500	0130.1	012.9	273.0	000.2500	-0057.7	021.1	41.95	
016.0	000.1500	0134.0	013.1	273.4	000.2500	-0055.7	020.9	42.16	
017.0	000.1500	0137.4	013.2	273.7	000.2500	-0053.4	020.6	42.36	
018.0	000.1500	0141.1	013.4	274.1	000.2500	-0051.2	020.3	42.57	
019.0	000.1500	0144.8	013.6	274.4	000.2500	-0049.2	020.0	42.79	
020.0	000.1500	0149.4	013.9	274.9	000.2500	-0046.8	019.8	43.03	
021.0	000.1500	0157.3	014.3	275.9	000.2500	-0042.4	019.4	43.30	
022.0	000.1500	0167.0	014.7	277.1	000.2500	-0037.7	019.0	43.60	
023.0	000.1500	0175.9	015.2	278.1	000.2500	-0035.6	018.7	43.90	
024.0	000.1500	0183.7	015.5	278.8	000.2500	-0034.8	018.3	44.18	
025.0	000.1500	0189.7	015.7	279.4	000.2500	-0034.6	018.0	44.45	
026.0	000.1500	0194.3	015.9	279.7	000.2500	-0034.7	017.7	44.72	
027.0	000.1500	0197.6	016.1	279.9	000.2500	-0034.7	017.4	44.97	
028.0	000.1500	0198.7	016.1	279.7	000.2500	-0034.7	017.1	45.21	
029.0	000.1500	0197.9	016.1	279.3	000.2500	-0034.6	016.8	45.42	
030.0	000.1500	0196.9	016.0	278.8	000.2500	-0034.8	016.6	45.63	
031.0	000.1500	0195.5	016.0	278.3	000.2500	-0035.4	016.4	45.83	
032.0	000.1500	0191.9	015.8	277.4	000.2500	-0036.8	016.2	46.00	
033.0	000.1500	0186.2	015.6	276.2	000.2500	-0041.1	016.0	46.12	
034.0	000.1500	0179.7	015.3	274.9	000.2500	-0046.7	015.9	46.21	
035.0	000.1500	0175.2	015.1	273.8	000.2500	-0052.7	015.8	46.33	
036.0	000.1500	0174.3	015.1	273.2	000.2500	-0056.8	015.6	46.50	
037.0	000.1500	0174.1	015.1	272.6	000.2500	-0058.8	015.4	46.68	
038.0	000.1500	0170.9	014.9	271.6	000.2500	-0059.8	015.2	46.79	
039.0	000.1500	0164.8	014.6	270.1	000.2500	-0061.2	015.2	46.81	
040.0	000.1500	0157.9	014.3	268.5	000.2500	-0064.5	015.2	46.79	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
041.0	000.1500	0151.4	014.0	267.0	000.2500	-0069.3	015.3	46.74
042.0	000.1500	0145.8	013.7	265.6	000.2500	-0073.1	015.3	46.71
043.0	000.1500	0140.6	013.4	264.2	000.2500	-0073.3	015.4	46.68
044.0	000.1500	0136.2	013.2	263.0	000.2500	-0071.3	015.4	46.66
045.0	000.1500	0132.4	013.0	261.9	000.2500	-0068.8	015.4	46.65
046.0	000.1500	0128.8	012.8	260.9	000.2500	-0065.2	015.4	46.64
047.0	000.1500	0126.6	012.7	259.9	000.2500	-0062.0	015.4	46.67
048.0	000.1500	0125.5	012.6	259.1	000.2500	-0059.7	015.3	46.73
049.0	000.1500	0125.0	012.6	258.4	000.2500	-0058.6	015.2	46.81
050.0	000.1500	0124.6	012.6	257.6	000.2500	-0056.9	015.1	46.88
051.0	000.1500	0122.7	012.5	256.7	000.2500	-0053.9	015.1	46.90
052.0	000.1500	0120.5	012.4	255.8	000.2500	-0050.9	015.1	46.89
053.0	000.1500	0117.9	012.3	254.9	000.2500	-0049.2	015.2	46.87
054.0	000.1500	0116.3	012.2	254.0	000.2500	-0049.6	015.1	46.87
055.0	000.1500	0115.9	012.2	253.2	000.2500	-0051.9	015.1	46.91
056.0	000.1500	0115.3	012.2	252.4	000.2500	-0056.0	015.1	46.94
057.0	000.1500	0113.4	012.1	251.6	000.2500	-0062.2	015.1	46.91
058.0	000.1500	0110.3	011.9	250.6	000.2500	-0069.8	015.2	46.82
059.0	000.1500	0106.5	011.7	249.7	000.2500	-0077.9	015.4	46.69
060.0	000.1500	0102.5	011.5	248.9	000.2500	-0086.0	015.5	46.54
061.0	000.1500	0098.9	011.3	248.0	000.2500	-0093.5	015.7	46.40
062.0	000.1500	0095.5	011.1	247.3	000.2500	-0100.0	015.9	46.26
063.0	000.1500	0092.2	010.9	246.5	000.2500	-0105.7	016.0	46.11
064.0	000.1500	0089.0	010.8	245.8	000.2500	-0110.5	016.2	45.97
065.0	000.1500	0086.5	010.6	245.2	000.2500	-0114.1	016.3	45.85
066.0	000.1500	0085.5	010.6	244.5	000.2500	-0116.9	016.4	45.80
067.0	000.1500	0085.9	010.6	243.9	000.2500	-0119.2	016.4	45.81
068.0	000.1500	0087.3	010.7	243.2	000.2500	-0121.1	016.3	45.87
069.0	000.1500	0088.1	010.7	242.5	000.2500	-0122.1	016.3	45.89
070.0	000.1500	0088.2	010.7	241.9	000.2500	-0122.7	016.3	45.88
071.0	000.1500	0086.4	010.6	241.3	000.2500	-0123.3	016.4	45.76
072.0	000.1500	0082.8	010.4	240.8	000.2500	-0124.0	016.7	45.56
073.0	000.1500	0079.7	010.2	240.3	000.2500	-0124.6	016.9	45.37
074.0	000.1500	0076.2	010.0	239.9	000.2500	-0124.9	017.2	45.16
075.0	000.1500	0072.4	009.8	239.6	000.2500	-0125.3	017.4	44.93
076.0	000.1500	0070.0	009.6	239.2	000.2500	-0125.6	017.6	44.76
077.0	000.1500	0070.9	009.7	238.6	000.2500	-0126.0	017.6	44.77
078.0	000.1500	0074.2	009.9	237.9	000.2500	-0126.1	017.5	44.89
079.0	000.1500	0077.9	010.1	237.1	000.2500	-0125.9	017.3	45.01
080.0	000.1500	0081.7	010.3	236.2	000.2500	-0124.6	017.2	45.13
081.0	000.1500	0085.7	010.6	235.3	000.2500	-0122.7	017.0	45.25
082.0	000.1500	0088.4	010.7	234.5	000.2500	-0120.5	017.0	45.30
083.0	000.1500	0089.1	010.8	233.9	000.2500	-0118.9	017.0	45.25
084.0	000.1500	0089.9	010.8	233.3	000.2500	-0117.4	017.1	45.20
085.0	000.1500	0091.7	010.9	232.6	000.2500	-0115.9	017.1	45.19
086.0	000.1500	0093.2	011.0	231.9	000.2500	-0114.7	017.2	45.16
087.0	000.1500	0094.4	011.1	231.2	000.2500	-0113.4	017.2	45.12
088.0	000.1500	0095.5	011.1	230.6	000.2500	-0112.0	017.3	45.06
089.0	000.1500	0096.5	011.2	230.0	000.2500	-0110.9	017.4	44.99
090.0	000.1500	0098.0	011.3	229.3	000.2500	-0109.7	017.4	44.94
091.0	000.1500	0100.5	011.4	228.5	000.2500	-0108.9	017.4	44.92

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
092.0	000.1500	0103.1	011.5		227.7	000.2500	-0108.9	017.5	44.88
093.0	000.1500	0105.7	011.7		226.9	000.2500	-0109.7	017.5	44.84
094.0	000.1500	0107.9	011.8		226.2	000.2500	-0110.8	017.6	44.79
095.0	000.1500	0110.3	011.9		225.5	000.2500	-0111.7	017.7	44.72
096.0	000.1500	0112.8	012.0		224.7	000.2500	-0111.5	017.8	44.65
097.0	000.1500	0115.3	012.2		224.0	000.2500	-0110.0	017.9	44.58
098.0	000.1500	0118.1	012.3		223.2	000.2500	-0107.4	017.9	44.50
099.0	000.1500	0121.2	012.4		222.5	000.2500	-0104.0	018.0	44.42
100.0	000.1500	0124.5	012.6		221.7	000.2500	-0100.7	018.1	44.34
101.0	000.1500	0129.1	012.8		220.7	000.2500	-0097.0	018.2	44.27
102.0	000.1500	0132.9	013.0		219.9	000.2500	-0094.0	018.3	44.18
103.0	000.1500	0136.7	013.2		219.0	000.2500	-0090.1	018.4	44.09
104.0	000.1500	0141.9	013.5		218.0	000.2500	-0084.5	018.5	44.00
105.0	000.1500	0147.3	013.8		216.9	000.2500	-0080.6	018.7	43.91
106.0	000.1500	0153.3	014.1		215.7	000.2500	-0079.7	018.8	43.82
107.0	000.1500	0160.9	014.4		214.4	000.2500	-0080.7	018.9	43.72
108.0	000.1500	0169.1	014.8		213.0	000.2500	-0080.7	019.0	43.61
109.0	000.1500	0177.5	015.2		211.7	000.2500	-0077.4	019.2	43.48
110.0	000.1500	0185.2	015.6		210.6	000.2500	-0071.1	019.4	43.32
111.0	000.1500	0191.3	015.8		209.7	000.2500	-0063.4	019.6	43.14
112.0	000.1500	0193.5	015.9		209.4	000.2500	-0059.4	019.9	42.93
113.0	000.1500	0192.3	015.8		209.4	000.2500	-0059.9	020.2	42.70
114.0	000.1500	0188.9	015.7		209.7	000.2500	-0063.2	020.4	42.48
115.0	000.1500	0185.0	015.5		210.1	000.2500	-0067.0	020.7	42.25
116.0	000.1500	0182.2	015.4		210.4	000.2500	-0069.2	021.0	42.04
117.0	000.1500	0180.0	015.3		210.6	000.2500	-0070.7	021.3	41.83
118.0	000.1500	0178.0	015.3		210.7	000.2500	-0072.1	021.6	41.62
119.0	000.1500	0176.6	015.2		210.9	000.2500	-0073.1	021.8	41.41
120.0	000.1500	0177.4	015.2		210.8	000.2500	-0072.4	022.1	41.21
121.0	000.1500	0180.1	015.3		210.5	000.2500	-0070.1	022.4	41.02
122.0	000.1500	0184.9	015.5		210.0	000.2500	-0066.0	022.6	40.81
123.0	000.1500	0191.0	015.8		209.4	000.2500	-0059.8	022.9	40.60
124.0	000.1500	0197.3	016.1		208.8	000.2500	-0053.3	023.2	40.39

04-04-2018

Terrain Data: GLOBE 30 Sec

FMOver Analysis

1773682 BNPFT20180130AFC

W232CG

Channel = 231D

Max ERP = 0.25 kW

RCAMSL = 193 m

N. Lat. 42 55 50.0

W. Lng. 72 18 00.0

Protected

60 dBu

Channel = 232D

Max ERP = 0.15 kW

RCAMSL = 331 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
185.0	000.2500	-0023.0	007.1	079.7	000.1500	0080.4	024.2	45.88	
186.0	000.2500	-0027.3	007.1	079.6	000.1500	0080.1	024.1	45.93	
187.0	000.2500	-0031.2	007.1	079.5	000.1500	0079.8	024.0	45.98	
188.0	000.2500	-0030.3	007.1	079.4	000.1500	0079.5	023.9	46.03	
189.0	000.2500	-0028.1	007.1	079.3	000.1500	0079.1	023.8	46.08	
190.0	000.2500	-0026.4	007.1	079.2	000.1500	0078.7	023.6	46.12	
191.0	000.2500	-0024.3	007.1	079.1	000.1500	0078.3	023.5	46.16	
192.0	000.2500	-0021.2	007.1	079.0	000.1500	0077.9	023.4	46.20	
193.0	000.2500	-0020.0	007.1	078.9	000.1500	0077.5	023.3	46.23	
194.0	000.2500	-0021.7	007.1	078.8	000.1500	0077.0	023.2	46.26	
195.0	000.2500	-0023.6	007.1	078.6	000.1500	0076.5	023.1	46.28	
196.0	000.2500	-0021.8	007.1	078.5	000.1500	0076.0	023.0	46.31	
197.0	000.2500	-0016.6	007.1	078.3	000.1500	0075.4	022.9	46.33	
198.0	000.2500	-0009.0	007.1	078.2	000.1500	0074.9	022.7	46.35	
199.0	000.2500	0000.3	007.1	078.0	000.1500	0074.3	022.6	46.36	
200.0	000.2500	0007.3	007.1	077.9	000.1500	0073.7	022.5	46.37	
201.0	000.2500	0009.4	007.1	077.7	000.1500	0073.1	022.4	46.38	
202.0	000.2500	0006.2	007.1	077.5	000.1500	0072.5	022.3	46.39	
203.0	000.2500	-0001.8	007.1	077.3	000.1500	0071.9	022.2	46.39	
204.0	000.2500	-0012.0	007.1	077.2	000.1500	0071.3	022.1	46.40	
205.0	000.2500	-0021.8	007.1	077.0	000.1500	0070.8	022.0	46.42	
206.0	000.2500	-0030.1	007.1	076.8	000.1500	0070.4	021.9	46.44	
207.0	000.2500	-0037.2	007.1	076.6	000.1500	0070.1	021.8	46.48	
208.0	000.2500	-0045.3	007.1	076.3	000.1500	0069.9	021.7	46.53	
209.0	000.2500	-0055.4	007.1	076.1	000.1500	0069.9	021.6	46.60	
210.0	000.2500	-0065.9	007.1	075.9	000.1500	0070.1	021.6	46.70	
211.0	000.2500	-0073.8	007.1	075.7	000.1500	0070.4	021.5	46.81	
212.0	000.2500	-0078.6	007.1	075.4	000.1500	0071.0	021.4	46.95	
213.0	000.2500	-0080.7	007.1	075.2	000.1500	0071.7	021.3	47.10	
214.0	000.2500	-0080.9	007.1	074.9	000.1500	0072.6	021.2	47.27	
215.0	000.2500	-0080.1	007.1	074.7	000.1500	0073.5	021.1	47.44	
216.0	000.2500	-0079.6	007.1	074.4	000.1500	0074.5	021.1	47.62	
217.0	000.2500	-0080.8	007.1	074.2	000.1500	0075.6	021.0	47.80	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
218.0	000.2500	-0084.7	007.1	073.9	000.1500	0076.6	020.9	47.99
219.0	000.2500	-0090.1	007.1	073.6	000.1500	0077.7	020.8	48.16
220.0	000.2500	-0094.5	007.1	073.3	000.1500	0078.6	020.8	48.33
221.0	000.2500	-0098.0	007.1	073.0	000.1500	0079.5	020.7	48.48
222.0	000.2500	-0101.9	007.1	072.8	000.1500	0080.4	020.6	48.63
223.0	000.2500	-0106.3	007.1	072.5	000.1500	0081.3	020.6	48.77
224.0	000.2500	-0110.0	007.1	072.2	000.1500	0082.3	020.5	48.93
225.0	000.2500	-0111.7	007.1	071.8	000.1500	0083.4	020.5	49.10
226.0	000.2500	-0111.1	007.1	071.5	000.1500	0084.6	020.4	49.28
227.0	000.2500	-0109.6	007.1	071.2	000.1500	0085.7	020.3	49.44
228.0	000.2500	-0108.8	007.1	070.9	000.1500	0086.7	020.3	49.58
229.0	000.2500	-0109.2	007.1	070.6	000.1500	0087.5	020.2	49.71
230.0	000.2500	-0110.9	007.1	070.3	000.1500	0088.0	020.2	49.80
231.0	000.2500	-0112.9	007.1	069.9	000.1500	0088.3	020.2	49.86
232.0	000.2500	-0114.9	007.1	069.6	000.1500	0088.3	020.1	49.89
233.0	000.2500	-0116.8	007.1	069.2	000.1500	0088.3	020.1	49.92
234.0	000.2500	-0119.2	007.1	068.9	000.1500	0088.1	020.1	49.92
235.0	000.2500	-0121.9	007.1	068.6	000.1500	0087.9	020.0	49.93
236.0	000.2500	-0124.2	007.1	068.2	000.1500	0087.6	020.0	49.92
237.0	000.2500	-0125.8	007.1	067.9	000.1500	0087.1	020.0	49.89
238.0	000.2500	-0126.1	007.1	067.5	000.1500	0086.7	019.9	49.86
239.0	000.2500	-0125.8	007.1	067.2	000.1500	0086.1	019.9	49.81
240.0	000.2500	-0124.9	007.1	066.8	000.1500	0085.7	019.9	49.78
241.0	000.2500	-0123.7	007.1	066.5	000.1500	0085.5	019.9	49.77
242.0	000.2500	-0122.6	007.1	066.1	000.1500	0085.5	019.9	49.78
243.0	000.2500	-0121.4	007.1	065.8	000.1500	0085.6	019.9	49.80
244.0	000.2500	-0118.8	007.1	065.4	000.1500	0085.9	019.9	49.84
245.0	000.2500	-0114.9	007.1	065.0	000.1500	0086.4	019.9	49.89
246.0	000.2500	-0109.4	007.1	064.7	000.1500	0087.1	019.9	49.97
247.0	000.2500	-0102.1	007.1	064.3	000.1500	0088.0	019.9	50.06
248.0	000.2500	-0093.9	007.1	064.0	000.1500	0089.1	019.9	50.16
249.0	000.2500	-0084.8	007.1	063.6	000.1500	0090.2	019.9	50.27
250.0	000.2500	-0075.5	007.1	063.3	000.1500	0091.3	019.9	50.37
251.0	000.2500	-0066.7	007.1	062.9	000.1500	0092.5	019.9	50.47
252.0	000.2500	-0058.8	007.1	062.6	000.1500	0093.6	019.9	50.57
253.0	000.2500	-0052.9	007.1	062.2	000.1500	0094.8	020.0	50.67
254.0	000.2500	-0049.6	007.1	061.9	000.1500	0095.9	020.0	50.76
255.0	000.2500	-0049.3	007.1	061.5	000.1500	0097.1	020.0	50.85
256.0	000.2500	-0051.4	007.1	061.2	000.1500	0098.3	020.0	50.94
257.0	000.2500	-0054.9	007.1	060.8	000.1500	0099.5	020.1	51.03
258.0	000.2500	-0057.9	007.1	060.5	000.1500	0100.7	020.1	51.11
259.0	000.2500	-0059.5	007.1	060.2	000.1500	0102.0	020.1	51.19
260.0	000.2500	-0062.2	007.1	059.8	000.1500	0103.2	020.2	51.28
261.0	000.2500	-0065.6	007.1	059.5	000.1500	0104.6	020.2	51.36
262.0	000.2500	-0069.1	007.1	059.2	000.1500	0105.8	020.3	51.43
263.0	000.2500	-0071.3	007.1	058.8	000.1500	0107.1	020.3	51.50
264.0	000.2500	-0073.0	007.1	058.5	000.1500	0108.3	020.4	51.56
265.0	000.2500	-0073.3	007.1	058.2	000.1500	0109.6	020.4	51.62
266.0	000.2500	-0072.3	007.1	057.9	000.1500	0110.6	020.5	51.66
267.0	000.2500	-0069.1	007.1	057.6	000.1500	0111.6	020.5	51.69
268.0	000.2500	-0066.1	007.1	057.3	000.1500	0112.5	020.6	51.72

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
269.0	000.2500	-0063.0	007.1		057.0	000.1500	0113.4	020.7	51.74
270.0	000.2500	-0061.3	007.1		056.7	000.1500	0114.2	020.7	51.74
271.0	000.2500	-0060.4	007.1		056.4	000.1500	0114.8	020.8	51.74
272.0	000.2500	-0059.4	007.1		056.2	000.1500	0115.1	020.9	51.71
273.0	000.2500	-0057.8	007.1		055.9	000.1500	0115.4	021.0	51.67
274.0	000.2500	-0051.6	007.1		055.6	000.1500	0115.7	021.0	51.63
275.0	000.2500	-0046.3	007.1		055.4	000.1500	0115.8	021.1	51.58
276.0	000.2500	-0041.9	007.1		055.1	000.1500	0115.9	021.2	51.53
277.0	000.2500	-0037.9	007.1		054.9	000.1500	0115.9	021.3	51.46
278.0	000.2500	-0035.8	007.1		054.6	000.1500	0115.9	021.3	51.40
279.0	000.2500	-0034.7	007.1		054.4	000.1500	0116.0	021.4	51.34
280.0	000.2500	-0034.7	007.1		054.1	000.1500	0116.2	021.5	51.29
281.0	000.2500	-0034.3	007.1		053.9	000.1500	0116.4	021.6	51.23
282.0	000.2500	-0031.4	007.1		053.7	000.1500	0116.6	021.7	51.18
283.0	000.2500	-0028.0	007.1		053.5	000.1500	0116.9	021.8	51.13
284.0	000.2500	-0028.7	007.1		053.3	000.1500	0117.3	021.9	51.08
285.0	000.2500	-0031.8	007.1		053.1	000.1500	0117.7	022.0	51.04
286.0	000.2500	-0036.0	007.1		052.9	000.1500	0118.3	022.1	51.01
287.0	000.2500	-0039.7	007.1		052.7	000.1500	0118.8	022.2	50.97
288.0	000.2500	-0043.3	007.1		052.5	000.1500	0119.3	022.3	50.93
289.0	000.2500	-0047.8	007.1		052.3	000.1500	0119.7	022.4	50.88
290.0	000.2500	-0053.2	007.1		052.1	000.1500	0120.1	022.5	50.83
291.0	000.2500	-0056.1	007.1		052.0	000.1500	0120.5	022.6	50.78
292.0	000.2500	-0057.1	007.1		051.8	000.1500	0120.9	022.7	50.72
293.0	000.2500	-0056.8	007.1		051.7	000.1500	0121.3	022.8	50.67
294.0	000.2500	-0056.1	007.1		051.5	000.1500	0121.6	022.9	50.61
295.0	000.2500	-0055.1	007.1		051.4	000.1500	0121.9	023.0	50.55
296.0	000.2500	-0053.0	007.1		051.2	000.1500	0122.2	023.1	50.48
297.0	000.2500	-0049.7	007.1		051.1	000.1500	0122.5	023.3	50.42
298.0	000.2500	-0046.3	007.1		051.0	000.1500	0122.8	023.4	50.35
299.0	000.2500	-0042.8	007.1		050.9	000.1500	0123.0	023.5	50.28
300.0	000.2500	-0039.5	007.1		050.8	000.1500	0123.2	023.6	50.21
301.0	000.2500	-0036.6	007.1		050.7	000.1500	0123.3	023.7	50.14
302.0	000.2500	-0033.5	007.1		050.6	000.1500	0123.5	023.8	50.07
303.0	000.2500	-0031.1	007.1		050.5	000.1500	0123.7	023.9	49.99
304.0	000.2500	-0029.5	007.1		050.4	000.1500	0123.9	024.1	49.92

Contour-to-Contour Channel Study - W232CG vs WRSI
Vermont Public Radio

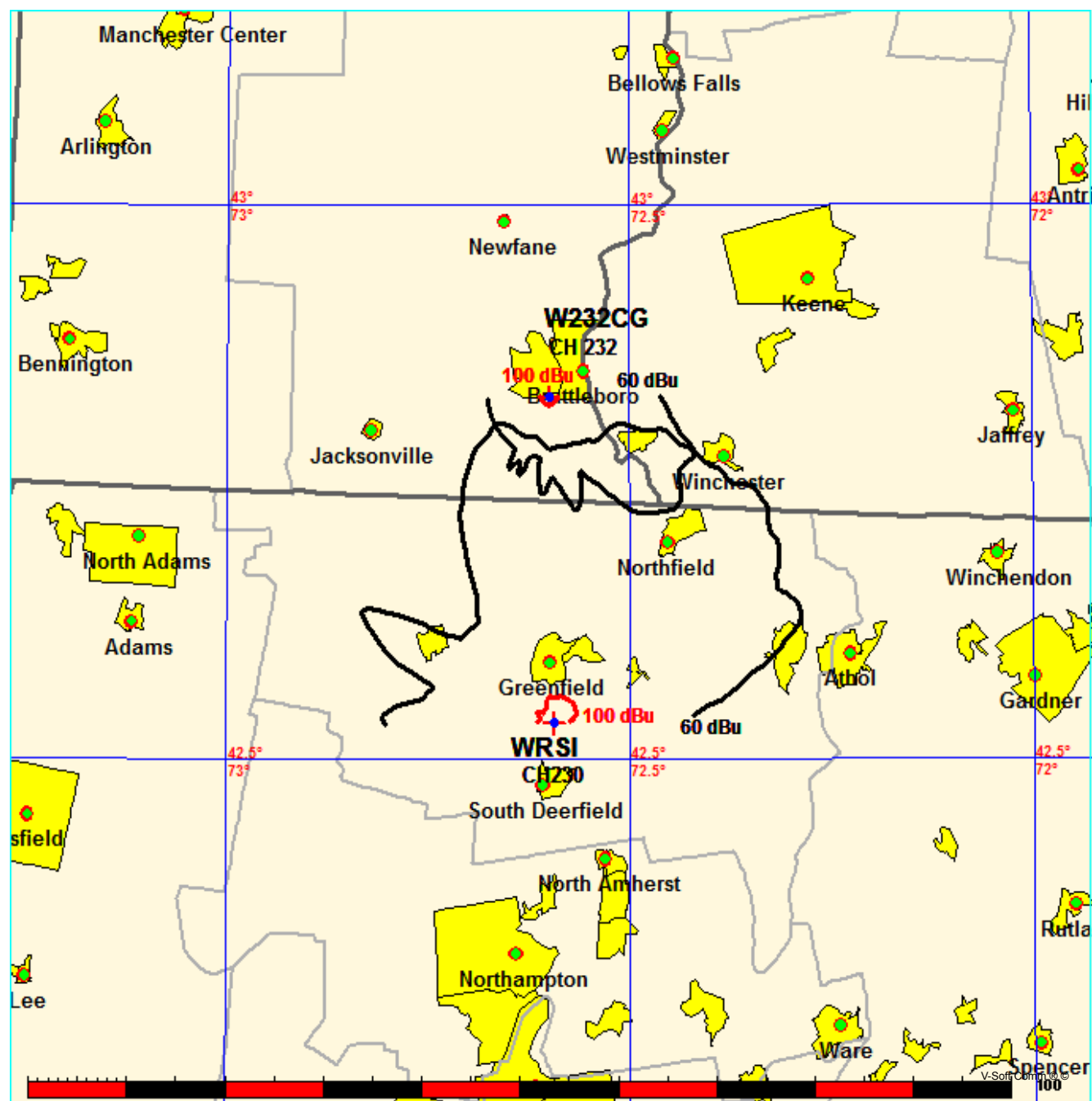
FMCommander Single Allocation Study - 04-04-2018 - GLOBE 30 Sec
W232CG's Overlaps (In= 18.93 km, Out= 3.48 km)

W232CG CH 232 D

Lat= 42 49 42.2, Lng= 72 36 00.3
0.15 kW 46.8 m HAAT, 331 m COR
Prot.= 60 dBu, Intef.= 100 dBu

WRSI CH 230 A BLH19951018KB

Lat= 42 32 01.0, Lng= 72 35 34.0
2.5 kW 109 m HAAT, 284 m COR
Prot.= 60 dBu, Intef.= 100 dBu



04-04-2018

Terrain Data: GLOBE 30 Sec

FMOver Analysis

W232CG

WRSI BLH19951018KB

Channel = 232D

Max ERP = 0.15 kW

RCAMSL = 331 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Protected

60 dBu

Channel = 230A

Max ERP = 2.5 kW

RCAMSL = 284 m

N. Lat. 42 32 01.0

W. Lng. 72 35 34.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
119.0	000.1500	0176.6	015.2	026.6	002.5000	0188.0	028.4	62.93	
120.0	000.1500	0177.4	015.2	026.6	002.5000	0188.0	028.1	63.10	
121.0	000.1500	0180.1	015.3	026.8	002.5000	0188.0	027.9	63.27	
122.0	000.1500	0184.9	015.5	027.2	002.5000	0187.7	027.6	63.45	
123.0	000.1500	0191.0	015.8	027.6	002.5000	0186.9	027.3	63.60	
124.0	000.1500	0197.3	016.1	028.1	002.5000	0185.6	027.0	63.75	
125.0	000.1500	0203.2	016.3	028.6	002.5000	0184.3	026.7	63.90	
126.0	000.1500	0208.0	016.5	029.0	002.5000	0183.3	026.4	64.07	
127.0	000.1500	0212.5	016.7	029.3	002.5000	0182.5	026.0	64.24	
128.0	000.1500	0217.5	016.9	029.7	002.5000	0181.8	025.7	64.43	
129.0	000.1500	0221.5	017.1	029.9	002.5000	0181.4	025.4	64.64	
130.0	000.1500	0223.2	017.1	030.0	002.5000	0181.4	025.1	64.85	
131.0	000.1500	0222.5	017.1	029.8	002.5000	0181.6	024.8	65.07	
132.0	000.1500	0219.6	017.0	029.3	002.5000	0182.4	024.6	65.29	
133.0	000.1500	0214.9	016.8	028.7	002.5000	0183.9	024.3	65.54	
134.0	000.1500	0209.7	016.6	028.1	002.5000	0185.7	024.1	65.78	
135.0	000.1500	0205.2	016.4	027.4	002.5000	0187.3	023.9	66.01	
136.0	000.1500	0201.0	016.2	026.8	002.5000	0188.0	023.7	66.20	
137.0	000.1500	0196.3	016.0	026.1	002.5000	0187.8	023.5	66.34	
138.0	000.1500	0190.9	015.8	025.4	002.5000	0187.0	023.3	66.43	
139.0	000.1500	0185.3	015.6	024.6	002.5000	0186.3	023.1	66.52	
140.0	000.1500	0180.1	015.3	023.8	002.5000	0187.1	023.0	66.67	
141.0	000.1500	0175.0	015.1	023.0	002.5000	0189.9	022.8	66.90	
142.0	000.1500	0169.5	014.9	022.1	002.5000	0193.6	022.7	67.14	
143.0	000.1500	0162.5	014.5	021.0	002.5000	0195.9	022.7	67.27	
144.0	000.1500	0153.6	014.1	019.7	002.5000	0193.6	022.7	67.14	
145.0	000.1500	0143.1	013.5	018.3	002.5000	0189.3	022.8	66.86	
146.0	000.1500	0131.6	012.9	016.8	002.5000	0186.6	023.0	66.61	
147.0	000.1500	0118.8	012.3	015.3	002.5000	0186.0	023.2	66.41	
148.0	000.1500	0105.8	011.7	013.7	002.5000	0186.7	023.5	66.23	
149.0	000.1500	0093.5	011.0	012.3	002.5000	0186.5	023.9	65.97	
150.0	000.1500	0083.8	010.5	011.1	002.5000	0180.6	024.2	65.50	
151.0	000.1500	0077.0	010.1	010.1	002.5000	0171.7	024.4	64.91	
152.0	000.1500	0072.7	009.8	009.4	002.5000	0164.7	024.5	64.45	
153.0	000.1500	0069.7	009.6	008.8	002.5000	0161.4	024.5	64.22	
154.0	000.1500	0066.1	009.3	008.2	002.5000	0160.0	024.6	64.06	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
155.0	000.1500	0060.5	009.0	007.4	002.5000	0159.7	024.9	63.88
156.0	000.1500	0054.7	008.5	006.5	002.5000	0158.8	025.2	63.60
157.0	000.1500	0051.5	008.2	005.9	002.5000	0157.1	025.3	63.37
158.0	000.1500	0053.8	008.4	005.9	002.5000	0156.9	025.1	63.54
159.0	000.1500	0061.3	009.0	006.2	002.5000	0157.8	024.5	64.03
160.0	000.1500	0070.7	009.7	006.5	002.5000	0158.8	023.9	64.54
161.0	000.1500	0078.8	010.2	006.7	002.5000	0159.2	023.3	64.96
162.0	000.1500	0085.9	010.6	006.7	002.5000	0159.3	022.9	65.31
163.0	000.1500	0092.1	010.9	006.7	002.5000	0159.1	022.5	65.60
164.0	000.1500	0098.6	011.3	006.6	002.5000	0158.9	022.1	65.90
165.0	000.1500	0104.9	011.6	006.4	002.5000	0158.5	021.7	66.16
166.0	000.1500	0108.4	011.8	006.1	002.5000	0157.5	021.4	66.30
167.0	000.1500	0105.8	011.7	005.4	002.5000	0155.8	021.5	66.14
168.0	000.1500	0098.6	011.3	004.6	002.5000	0154.2	021.8	65.81
169.0	000.1500	0090.6	010.9	003.8	002.5000	0153.5	022.2	65.48
170.0	000.1500	0085.5	010.6	003.2	002.5000	0152.5	022.4	65.24
171.0	000.1500	0080.5	010.3	002.6	002.5000	0151.6	022.7	64.99
172.0	000.1500	0072.1	009.7	001.9	002.5000	0150.5	023.1	64.56
173.0	000.1500	0065.9	009.3	001.3	002.5000	0149.7	023.5	64.23
174.0	000.1500	0061.6	009.0	000.8	002.5000	0148.6	023.8	63.97
175.0	000.1500	0057.7	008.8	000.4	002.5000	0147.7	024.1	63.71
176.0	000.1500	0055.3	008.6	000.0	002.5000	0146.9	024.2	63.52
177.0	000.1500	0055.5	008.6	359.7	002.5000	0146.1	024.2	63.50
178.0	000.1500	0052.0	008.3	359.3	002.5000	0145.4	024.5	63.22
179.0	000.1500	0053.4	008.4	358.9	002.5000	0144.8	024.4	63.28
180.0	000.1500	0056.9	008.7	358.6	002.5000	0146.9	024.1	63.63
181.0	000.1500	0060.4	009.0	358.2	002.5000	0149.6	023.8	64.00
182.0	000.1500	0068.0	009.5	357.7	002.5000	0152.9	023.3	64.57
183.0	000.1500	0073.4	009.8	357.2	002.5000	0156.3	023.0	65.03
184.0	000.1500	0074.6	009.9	356.8	002.5000	0159.4	022.9	65.26
185.0	000.1500	0073.2	009.8	356.4	002.5000	0161.7	023.0	65.32
186.0	000.1500	0066.9	009.4	356.1	002.5000	0162.2	023.5	65.02
187.0	000.1500	0055.6	008.6	356.1	002.5000	0162.2	024.3	64.42
188.0	000.1500	0042.4	007.4	356.4	002.5000	0161.8	025.5	63.52
189.0	000.1500	0030.9	006.3	356.6	002.5000	0160.7	026.6	62.74
190.0	000.1500	0022.6	006.2	356.4	002.5000	0161.7	026.7	62.73
191.0	000.1500	0016.2	006.2	356.2	002.5000	0162.2	026.7	62.74
192.0	000.1500	0012.7	006.2	355.9	002.5000	0162.3	026.7	62.73
193.0	000.1500	0012.9	006.2	355.7	002.5000	0162.3	026.8	62.71
194.0	000.1500	0017.0	006.2	355.5	002.5000	0162.4	026.8	62.69
195.0	000.1500	0022.9	006.2	355.3	002.5000	0162.5	026.8	62.67
196.0	000.1500	0027.9	006.2	355.1	002.5000	0162.6	026.9	62.65
197.0	000.1500	0032.1	006.4	354.7	002.5000	0162.7	026.7	62.75
198.0	000.1500	0038.1	007.0	354.0	002.5000	0163.2	026.3	63.08
199.0	000.1500	0046.7	007.8	353.0	002.5000	0168.9	025.6	63.86
200.0	000.1500	0052.9	008.3	352.1	002.5000	0174.7	025.2	64.49
201.0	000.1500	0054.8	008.5	351.6	002.5000	0177.7	025.1	64.69
202.0	000.1500	0053.1	008.4	351.5	002.5000	0178.2	025.3	64.57
203.0	000.1500	0047.9	007.9	351.8	002.5000	0176.7	025.8	64.15
204.0	000.1500	0041.8	007.3	352.2	002.5000	0174.0	026.3	63.63
205.0	000.1500	0040.8	007.2	352.1	002.5000	0174.9	026.5	63.58

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
206.0	000.1500	0044.6	007.6		351.4	002.5000	0178.5	026.3	63.90
207.0	000.1500	0048.5	007.9		350.7	002.5000	0180.1	026.0	64.14
208.0	000.1500	0051.0	008.2		350.2	002.5000	0182.4	025.9	64.31
209.0	000.1500	0052.9	008.3		349.7	002.5000	0183.7	025.9	64.41
210.0	000.1500	0051.7	008.2		349.6	002.5000	0183.9	026.1	64.29
211.0	000.1500	0045.3	007.6		350.2	002.5000	0182.2	026.6	63.84
212.0	000.1500	0037.3	006.9		351.0	002.5000	0179.4	027.3	63.28
213.0	000.1500	0030.4	006.3		351.7	002.5000	0177.3	027.8	62.83
214.0	000.1500	0024.8	006.2		351.6	002.5000	0177.9	027.9	62.79
215.0	000.1500	0019.3	006.2		351.4	002.5000	0178.6	028.0	62.77
216.0	000.1500	0014.6	006.2		351.3	002.5000	0179.0	028.1	62.74
217.0	000.1500	0010.6	006.2		351.1	002.5000	0179.3	028.1	62.71
218.0	000.1500	0006.7	006.2		351.0	002.5000	0179.6	028.2	62.67
219.0	000.1500	0002.4	006.2		350.8	002.5000	0179.9	028.3	62.64
220.0	000.1500	-0001.7	006.2		350.7	002.5000	0180.4	028.4	62.61
221.0	000.1500	-0005.3	006.2		350.5	002.5000	0181.0	028.5	62.58
222.0	000.1500	-0009.4	006.2		350.4	002.5000	0181.6	028.5	62.55
223.0	000.1500	-0014.5	006.2		350.2	002.5000	0182.1	028.6	62.52
224.0	000.1500	-0019.3	006.2		350.1	002.5000	0182.6	028.7	62.49
225.0	000.1500	-0022.6	006.2		350.0	002.5000	0183.0	028.8	62.45
226.0	000.1500	-0026.4	006.2		349.9	002.5000	0183.4	028.9	62.41
227.0	000.1500	-0032.7	006.2		349.7	002.5000	0183.6	029.0	62.37
228.0	000.1500	-0041.6	006.2		349.6	002.5000	0183.8	029.1	62.32
229.0	000.1500	-0050.2	006.2		349.5	002.5000	0183.9	029.2	62.27
230.0	000.1500	-0057.3	006.2		349.4	002.5000	0184.1	029.3	62.21
231.0	000.1500	-0063.5	006.2		349.3	002.5000	0184.2	029.4	62.16
232.0	000.1500	-0069.8	006.2		349.2	002.5000	0184.3	029.5	62.11
233.0	000.1500	-0076.3	006.2		349.1	002.5000	0184.4	029.6	62.05
234.0	000.1500	-0082.3	006.2		349.0	002.5000	0184.4	029.6	61.99
235.0	000.1500	-0086.1	006.2		348.9	002.5000	0184.5	029.7	61.94
236.0	000.1500	-0085.8	006.2		348.9	002.5000	0184.5	029.8	61.88
237.0	000.1500	-0082.7	006.2		348.8	002.5000	0184.5	029.9	61.82
238.0	000.1500	-0078.6	006.2		348.7	002.5000	0184.4	030.0	61.75

04-04-2018

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WRSI BLH19951018KB

W232CG

Channel = 230A

Max ERP = 2.5 kW

RCAMSL = 284 m

N. Lat. 42 32 01.0

W. Lng. 72 35 34.0

Protected

60 dBu

Channel = 232D

Max ERP = 0.15 kW

RCAMSL = 331 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
299.0	002.5000	0093.2	022.5	221.0	000.1500	-0005.3	029.0	34.51	
300.0	002.5000	0093.7	022.5	221.3	000.1500	-0006.4	028.6	34.71	
301.0	002.5000	0089.9	022.0	220.5	000.1500	-0003.6	028.2	34.97	
302.0	002.5000	0083.2	021.2	218.9	000.1500	0002.6	027.7	35.25	
303.0	002.5000	0075.4	020.2	216.9	000.1500	0010.9	027.2	35.51	
304.0	002.5000	0069.0	019.3	215.1	000.1500	0018.8	026.8	35.75	
305.0	002.5000	0061.6	018.3	212.9	000.1500	0030.8	026.5	36.12	
306.0	002.5000	0052.6	016.9	209.7	000.1500	0052.6	026.3	40.81	
307.0	002.5000	0044.4	015.3	206.2	000.1500	0045.5	026.3	39.53	
308.0	002.5000	0039.0	014.3	203.9	000.1500	0042.1	026.2	38.86	
309.0	002.5000	0036.6	013.8	202.9	000.1500	0048.9	026.1	40.27	
310.0	002.5000	0034.4	013.4	201.9	000.1500	0053.5	026.0	41.16	
311.0	002.5000	0029.8	012.7	200.1	000.1500	0053.3	026.1	41.10	
312.0	002.5000	0024.3	012.7	199.9	000.1500	0052.6	025.9	41.12	
313.0	002.5000	0020.6	012.7	199.7	000.1500	0051.7	025.6	41.10	
314.0	002.5000	0017.8	012.7	199.5	000.1500	0050.5	025.4	41.04	
315.0	002.5000	0015.9	012.7	199.3	000.1500	0049.2	025.2	40.94	
316.0	002.5000	0014.1	012.7	199.1	000.1500	0047.5	025.0	40.75	
317.0	002.5000	0013.1	012.7	198.9	000.1500	0045.5	024.9	40.50	
318.0	002.5000	0013.4	012.7	198.6	000.1500	0043.3	024.7	40.19	
319.0	002.5000	0015.4	012.7	198.4	000.1500	0041.0	024.5	39.84	
320.0	002.5000	0018.0	012.7	198.1	000.1500	0038.8	024.3	39.49	
321.0	002.5000	0020.9	012.7	197.8	000.1500	0036.8	024.1	39.16	
322.0	002.5000	0025.7	012.7	197.5	000.1500	0034.9	023.9	38.85	
323.0	002.5000	0031.2	012.9	197.6	000.1500	0035.4	023.6	39.19	
324.0	002.5000	0035.0	013.5	198.6	000.1500	0043.4	023.0	41.40	
325.0	002.5000	0036.6	013.8	198.9	000.1500	0045.4	022.7	42.07	
326.0	002.5000	0038.0	014.1	199.0	000.1500	0046.7	022.3	42.61	
327.0	002.5000	0040.0	014.4	199.4	000.1500	0049.6	021.9	43.49	
328.0	002.5000	0043.3	015.0	200.2	000.1500	0053.7	021.3	44.69	
329.0	002.5000	0048.1	016.0	201.8	000.1500	0053.6	020.5	45.29	
330.0	002.5000	0054.0	017.1	203.9	000.1500	0042.1	019.6	43.78	
331.0	002.5000	0060.8	018.2	206.1	000.1500	0044.9	018.7	45.12	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
332.0	002.5000	0068.8	019.3	208.3	000.1500	0051.9	017.9	47.24
333.0	002.5000	0078.7	020.6	211.4	000.1500	0042.3	016.9	46.18
334.0	002.5000	0089.1	022.0	214.7	000.1500	0021.2	015.9	44.03
335.0	002.5000	0097.4	022.9	217.2	000.1500	0010.0	015.0	44.74
336.0	002.5000	0102.7	023.5	218.5	000.1500	0004.3	014.4	45.46
337.0	002.5000	0108.3	024.1	219.9	000.1500	-0001.2	013.8	46.26
338.0	002.5000	0116.2	024.9	222.0	000.1500	-0009.5	013.0	47.23
339.0	002.5000	0125.6	025.7	224.4	000.1500	-0020.9	012.3	48.30
340.0	002.5000	0133.8	026.4	226.5	000.1500	-0029.5	011.6	49.36
341.0	002.5000	0140.9	027.0	228.4	000.1500	-0044.7	011.0	50.42
342.0	002.5000	0148.6	027.6	230.6	000.1500	-0061.1	010.3	51.57
343.0	002.5000	0156.5	028.3	233.1	000.1500	-0077.2	009.6	52.78
344.0	002.5000	0163.0	028.8	235.3	000.1500	-0086.5	008.9	53.96
345.0	002.5000	0165.4	029.0	235.4	000.1500	-0086.6	008.4	54.97
346.0	002.5000	0168.6	029.3	235.9	000.1500	-0086.1	007.8	56.08
347.0	002.5000	0175.3	029.8	238.5	000.1500	-0076.8	007.2	57.59
348.0	002.5000	0182.5	030.4	241.7	000.1500	-0070.7	006.5	59.30
349.0	002.5000	0184.4	030.5	241.5	000.1500	-0070.8	005.9	60.83
350.0	002.5000	0183.0	030.4	238.7	000.1500	-0075.7	005.5	62.25
351.0	002.5000	0179.5	030.1	233.7	000.1500	-0080.6	005.1	63.43
352.0	002.5000	0175.5	029.8	227.5	000.1500	-0037.1	004.8	64.37
353.0	002.5000	0168.9	029.3	218.7	000.1500	0003.8	004.8	64.57
354.0	002.5000	0163.2	028.8	210.4	000.1500	0049.6	004.8	69.11
355.0	002.5000	0162.6	028.8	204.9	000.1500	0040.6	004.5	68.02
356.0	002.5000	0162.3	028.7	198.9	000.1500	0046.1	004.3	70.00
357.0	002.5000	0157.9	028.4	191.3	000.1500	0014.7	004.5	65.39
358.0	002.5000	0150.9	027.8	184.3	000.1500	0075.0	005.0	71.86
359.0	002.5000	0144.8	027.3	178.8	000.1500	0052.6	005.5	67.22
000.0	002.5000	0146.9	027.5	173.6	000.1500	0063.5	005.3	69.31
001.0	002.5000	0149.0	027.6	168.2	000.1500	0097.1	005.3	73.36
002.0	002.5000	0150.7	027.8	162.6	000.1500	0089.8	005.2	72.66
003.0	002.5000	0152.2	027.9	157.3	000.1500	0051.6	005.3	67.61
004.0	002.5000	0153.9	028.0	152.0	000.1500	0072.7	005.4	70.14
005.0	002.5000	0154.8	028.1	147.4	000.1500	0113.7	005.7	73.48
006.0	002.5000	0157.3	028.3	142.3	000.1500	0167.6	005.8	76.10
007.0	002.5000	0159.7	028.5	137.6	000.1500	0193.0	006.0	76.47
008.0	002.5000	0159.8	028.5	134.7	000.1500	0206.5	006.4	75.98
009.0	002.5000	0162.1	028.7	130.9	000.1500	0222.7	006.7	75.83
010.0	002.5000	0170.5	029.4	123.8	000.1500	0195.9	006.9	74.52
011.0	002.5000	0180.2	030.2	116.4	000.1500	0181.4	007.1	73.38
012.0	002.5000	0185.9	030.6	112.1	000.1500	0193.5	007.5	72.93
013.0	002.5000	0187.0	030.7	110.9	000.1500	0190.7	008.0	71.74
014.0	002.5000	0186.6	030.7	110.6	000.1500	0189.1	008.6	70.64
015.0	002.5000	0186.1	030.6	110.5	000.1500	0188.5	009.1	69.60
016.0	002.5000	0186.1	030.6	110.2	000.1500	0186.7	009.6	68.55
017.0	002.5000	0186.7	030.7	109.7	000.1500	0183.3	010.2	67.46
018.0	002.5000	0188.5	030.8	108.9	000.1500	0176.4	010.7	66.22
019.0	002.5000	0191.4	031.0	107.7	000.1500	0166.7	011.2	64.81
020.0	002.5000	0194.3	031.3	106.6	000.1500	0157.9	011.8	63.42
021.0	002.5000	0195.9	031.4	106.2	000.1500	0154.8	012.3	62.39
022.0	002.5000	0194.0	031.3	107.1	000.1500	0161.7	012.9	62.06

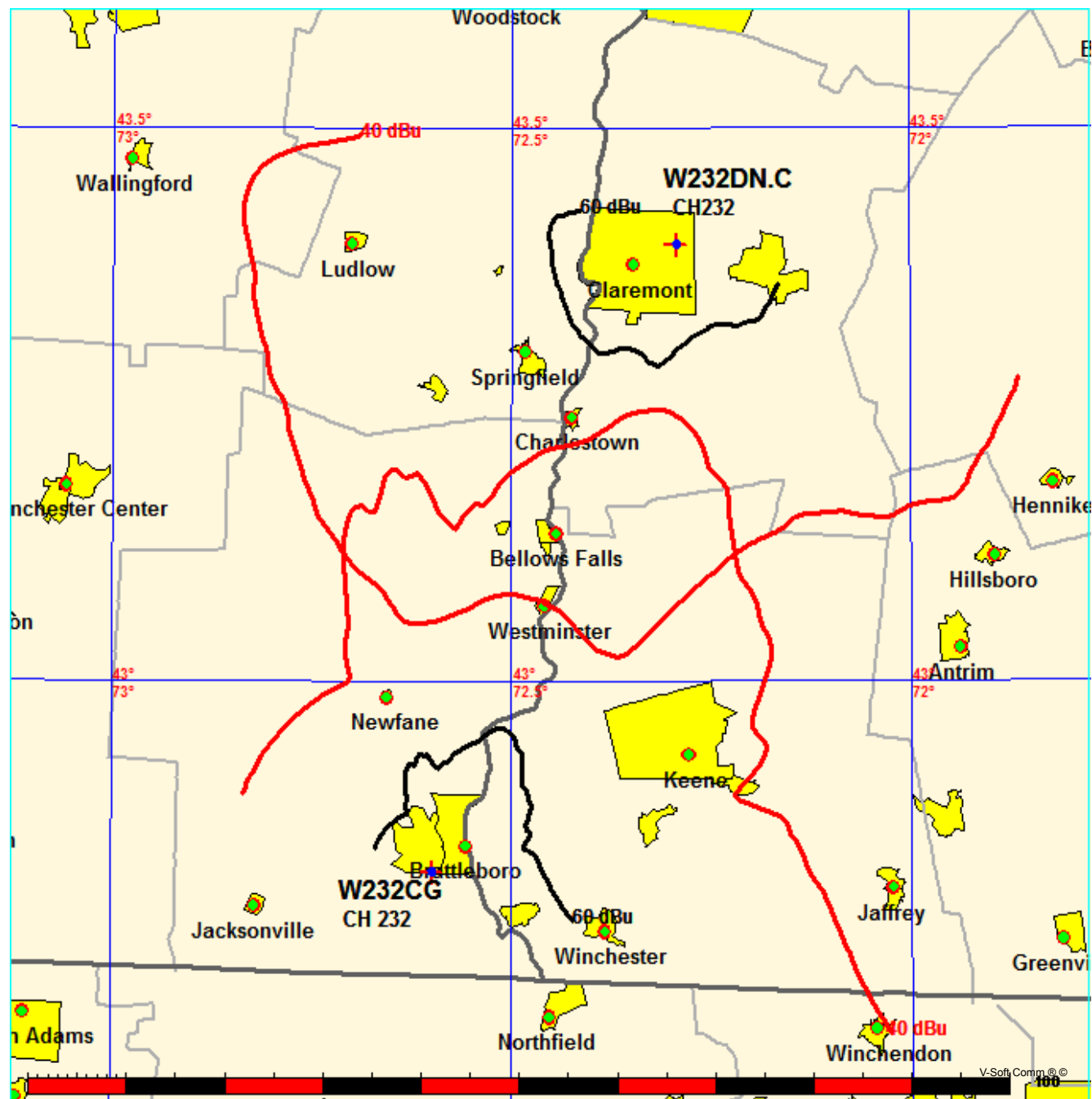
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
023.0	002.5000	0189.9	030.9		108.8	000.1500	0175.4	013.4	62.12
024.0	002.5000	0186.7	030.7		110.0	000.1500	0184.9	013.9	61.88
025.0	002.5000	0186.5	030.7		110.2	000.1500	0186.4	014.4	61.29
026.0	002.5000	0187.7	030.8		110.0	000.1500	0185.4	015.0	60.62
027.0	002.5000	0187.8	030.8		110.2	000.1500	0186.5	015.5	60.41
028.0	002.5000	0185.9	030.6		111.0	000.1500	0191.2	016.0	60.19
029.0	002.5000	0183.2	030.4		111.9	000.1500	0193.5	016.5	59.88
030.0	002.5000	0181.3	030.3		112.6	000.1500	0193.0	017.0	59.43
031.0	002.5000	0181.2	030.3		112.9	000.1500	0192.5	017.6	58.98
032.0	002.5000	0182.1	030.3		112.9	000.1500	0192.5	018.1	58.53
033.0	002.5000	0183.2	030.4		113.0	000.1500	0192.4	018.6	58.09
034.0	002.5000	0183.3	030.4		113.2	000.1500	0191.8	019.2	57.64
035.0	002.5000	0180.6	030.2		114.1	000.1500	0188.4	019.6	57.10
036.0	002.5000	0177.5	030.0		115.1	000.1500	0184.7	020.1	56.56
037.0	002.5000	0177.9	030.0		115.3	000.1500	0184.1	020.6	56.12
038.0	002.5000	0182.9	030.4		114.6	000.1500	0186.5	021.2	55.76
039.0	002.5000	0188.3	030.8		113.9	000.1500	0189.6	021.8	55.42
040.0	002.5000	0190.7	031.0		113.8	000.1500	0190.0	022.4	55.00
041.0	002.5000	0190.6	031.0		114.2	000.1500	0188.2	022.9	54.53
042.0	002.5000	0189.4	030.9		114.8	000.1500	0185.8	023.4	54.06
043.0	002.5000	0188.3	030.8		115.4	000.1500	0183.9	023.9	53.61
044.0	002.5000	0187.1	030.7		116.0	000.1500	0182.3	024.4	53.19
045.0	002.5000	0184.4	030.5		116.8	000.1500	0180.4	024.8	52.78
046.0	002.5000	0179.6	030.1		118.0	000.1500	0178.0	025.2	52.39
047.0	002.5000	0173.7	029.7		119.4	000.1500	0176.6	025.6	52.08
048.0	002.5000	0168.7	029.3		120.6	000.1500	0178.7	025.9	51.92
049.0	002.5000	0166.3	029.1		121.3	000.1500	0181.3	026.4	51.75
050.0	002.5000	0166.4	029.1		121.6	000.1500	0182.9	026.9	51.49
051.0	002.5000	0166.5	029.1		121.9	000.1500	0184.6	027.3	51.25
052.0	002.5000	0164.3	028.9		122.6	000.1500	0188.8	027.8	51.16
053.0	002.5000	0160.1	028.6		123.7	000.1500	0195.1	028.1	51.20
054.0	002.5000	0155.0	028.1		124.8	000.1500	0202.2	028.4	51.29
055.0	002.5000	0149.7	027.7		126.0	000.1500	0207.8	028.8	51.33
056.0	002.5000	0144.2	027.2		127.1	000.1500	0213.1	029.1	51.36
057.0	002.5000	0139.3	026.8		128.2	000.1500	0218.3	029.4	51.38
058.0	002.5000	0135.9	026.6		129.0	000.1500	0221.4	029.7	51.29

Contour-to-Contour Channel Study - W232CG vs W232DN
Vermont Public Radio

FMCommander Single Allocation Study - 04-04-2018 - GLOBE 30 Sec
W232CG's Overlaps (In= 13.22 km, Out= 5.18 km)

W232CG CH 232 D
Lat= 42 49 42.2, Lng= 72 36 00.3
0.15 kW 46.8 m HAAT, 331 m COR
Prot.= 60 dBu, Intef.= 40 dBu

W232DN CH 232 D BNPFT20171201APT
Lat= 43 23 45.0, Lng= 72 17 40.0
0.015 kW 0 m HAAT, 620 m COR
Prot.= 60 dBu, Intef.= 40 dBu



04-04-2018

Terrain Data: GLOBE 30 Sec

FMOver Analysis

W232CG

W232DN BNPFT20171201APT

Channel = 232D

Max ERP = 0.15 kW

RCAMSL = 331 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Protected

60 dBu

Channel = 232D

Max ERP = 0.015 kW

RCAMSL = 620 m

N. Lat. 43 23 45.0

W. Lng. 72 17 40.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
321.0	000.1500	-0026.5	006.2	206.4	000.0150	0331.7	064.9	29.99	
322.0	000.1500	-0029.2	006.2	206.3	000.0150	0331.4	064.8	30.02	
323.0	000.1500	-0031.9	006.2	206.3	000.0150	0331.1	064.7	30.04	
324.0	000.1500	-0029.8	006.2	206.2	000.0150	0330.9	064.6	30.07	
325.0	000.1500	-0025.6	006.2	206.2	000.0150	0330.6	064.5	30.09	
326.0	000.1500	-0020.7	006.2	206.1	000.0150	0330.3	064.4	30.12	
327.0	000.1500	-0015.0	006.2	206.1	000.0150	0330.0	064.4	30.14	
328.0	000.1500	-0006.6	006.2	206.0	000.0150	0329.7	064.3	30.16	
329.0	000.1500	0002.6	006.2	206.0	000.0150	0329.4	064.2	30.19	
330.0	000.1500	0011.9	006.2	205.9	000.0150	0329.1	064.1	30.21	
331.0	000.1500	0019.6	006.2	205.9	000.0150	0328.7	064.0	30.23	
332.0	000.1500	0023.5	006.2	205.8	000.0150	0328.4	063.9	30.25	
333.0	000.1500	0023.4	006.2	205.8	000.0150	0328.1	063.8	30.27	
334.0	000.1500	0022.2	006.2	205.7	000.0150	0327.7	063.7	30.29	
335.0	000.1500	0022.3	006.2	205.6	000.0150	0327.4	063.6	30.31	
336.0	000.1500	0025.2	006.2	205.6	000.0150	0327.1	063.6	30.33	
337.0	000.1500	0031.3	006.4	205.6	000.0150	0327.2	063.4	30.39	
338.0	000.1500	0038.2	007.0	205.9	000.0150	0329.1	062.9	30.64	
339.0	000.1500	0042.6	007.4	206.1	000.0150	0330.2	062.5	30.81	
340.0	000.1500	0044.2	007.5	206.1	000.0150	0330.3	062.3	30.88	
341.0	000.1500	0047.1	007.8	206.2	000.0150	0330.9	062.1	31.01	
342.0	000.1500	0054.0	008.4	206.6	000.0150	0333.0	061.5	31.29	
343.0	000.1500	0063.1	009.1	206.9	000.0150	0335.3	060.9	31.59	
344.0	000.1500	0071.7	009.7	207.2	000.0150	0337.3	060.4	31.86	
345.0	000.1500	0080.0	010.2	207.4	000.0150	0339.1	059.9	32.11	
346.0	000.1500	0086.1	010.6	207.5	000.0150	0340.0	059.5	32.28	
347.0	000.1500	0090.0	010.8	207.5	000.0150	0340.0	059.2	32.40	
348.0	000.1500	0092.9	011.0	207.5	000.0150	0339.6	058.9	32.47	
349.0	000.1500	0092.8	011.0	207.3	000.0150	0338.3	058.8	32.47	
350.0	000.1500	0089.1	010.8	207.0	000.0150	0336.1	058.9	32.38	
351.0	000.1500	0088.8	010.8	206.9	000.0150	0335.0	058.8	32.38	
352.0	000.1500	0095.1	011.1	206.9	000.0150	0335.3	058.4	32.54	
353.0	000.1500	0104.4	011.6	207.0	000.0150	0336.2	057.8	32.77	
354.0	000.1500	0108.5	011.8	207.0	000.0150	0335.8	057.5	32.86	
355.0	000.1500	0108.2	011.8	206.8	000.0150	0334.5	057.5	32.86	
356.0	000.1500	0104.0	011.6	206.5	000.0150	0332.6	057.5	32.76	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
357.0	000.1500	0104.3	011.6	206.3	000.0150	0331.6	057.4	32.77
358.0	000.1500	0105.6	011.7	206.2	000.0150	0330.7	057.3	32.80
359.0	000.1500	0100.3	011.4	205.9	000.0150	0328.9	057.4	32.68
000.0	000.1500	0093.6	011.0	205.6	000.0150	0327.0	057.7	32.52
001.0	000.1500	0087.0	010.6	205.2	000.0150	0325.4	057.9	32.37
002.0	000.1500	0084.4	010.5	205.0	000.0150	0324.4	058.0	32.31
003.0	000.1500	0082.1	010.4	204.8	000.0150	0323.4	058.0	32.25
004.0	000.1500	0079.7	010.2	204.6	000.0150	0322.7	058.1	32.20
005.0	000.1500	0084.7	010.5	204.5	000.0150	0322.5	057.8	32.33
006.0	000.1500	0089.0	010.8	204.4	000.0150	0322.2	057.5	32.43
007.0	000.1500	0091.7	010.9	204.3	000.0150	0321.8	057.3	32.49
008.0	000.1500	0091.7	010.9	204.1	000.0150	0321.4	057.2	32.50
009.0	000.1500	0095.4	011.1	204.0	000.0150	0321.0	057.0	32.58
010.0	000.1500	0102.3	011.5	203.9	000.0150	0320.8	056.6	32.73
011.0	000.1500	0109.1	011.9	203.7	000.0150	0320.5	056.2	32.88
012.0	000.1500	0114.0	012.1	203.6	000.0150	0320.3	055.9	32.98
013.0	000.1500	0118.8	012.3	203.4	000.0150	0320.0	055.6	33.07
014.0	000.1500	0124.9	012.6	203.2	000.0150	0319.6	055.3	33.19
015.0	000.1500	0130.1	012.9	203.1	000.0150	0319.4	055.0	33.29
016.0	000.1500	0134.0	013.1	202.8	000.0150	0318.9	054.8	33.36
017.0	000.1500	0137.4	013.2	202.6	000.0150	0318.5	054.6	33.42
018.0	000.1500	0141.1	013.4	202.4	000.0150	0318.0	054.4	33.49
019.0	000.1500	0144.8	013.6	202.2	000.0150	0317.5	054.2	33.55
020.0	000.1500	0149.4	013.9	201.9	000.0150	0316.9	053.9	33.62
021.0	000.1500	0157.3	014.3	201.7	000.0150	0316.4	053.5	33.77
022.0	000.1500	0167.0	014.7	201.4	000.0150	0315.8	053.0	33.94
023.0	000.1500	0175.9	015.2	201.1	000.0150	0315.5	052.6	34.09
024.0	000.1500	0183.7	015.5	200.8	000.0150	0315.4	052.3	34.21
025.0	000.1500	0189.7	015.7	200.5	000.0150	0315.7	052.1	34.31
026.0	000.1500	0194.3	015.9	200.1	000.0150	0316.5	051.9	34.40
027.0	000.1500	0197.6	016.1	199.8	000.0150	0317.5	051.8	34.47
028.0	000.1500	0198.7	016.1	199.5	000.0150	0318.6	051.8	34.51
029.0	000.1500	0197.9	016.1	199.2	000.0150	0319.5	051.9	34.51
030.0	000.1500	0196.9	016.0	198.9	000.0150	0320.3	052.0	34.49
031.0	000.1500	0195.5	016.0	198.6	000.0150	0320.9	052.1	34.47
032.0	000.1500	0191.9	015.8	198.4	000.0150	0321.4	052.3	34.40
033.0	000.1500	0186.2	015.6	198.1	000.0150	0321.8	052.6	34.30
034.0	000.1500	0179.7	015.3	197.9	000.0150	0322.1	052.9	34.18
035.0	000.1500	0175.2	015.1	197.7	000.0150	0322.5	053.2	34.09
036.0	000.1500	0174.3	015.1	197.5	000.0150	0322.9	053.3	34.06
037.0	000.1500	0174.1	015.1	197.2	000.0150	0323.5	053.4	34.04
038.0	000.1500	0170.9	014.9	197.0	000.0150	0324.3	053.6	33.98
039.0	000.1500	0164.8	014.6	196.9	000.0150	0324.8	054.0	33.85
040.0	000.1500	0157.9	014.3	196.8	000.0150	0325.4	054.4	33.71
041.0	000.1500	0151.4	014.0	196.7	000.0150	0326.0	054.8	33.57
042.0	000.1500	0145.8	013.7	196.6	000.0150	0326.6	055.2	33.45
043.0	000.1500	0140.6	013.4	196.5	000.0150	0327.2	055.6	33.34
044.0	000.1500	0136.2	013.2	196.4	000.0150	0328.0	055.9	33.25
045.0	000.1500	0132.4	013.0	196.2	000.0150	0328.8	056.1	33.17
046.0	000.1500	0128.8	012.8	196.1	000.0150	0329.7	056.4	33.10
047.0	000.1500	0126.6	012.7	196.0	000.0150	0330.8	056.6	33.06

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
048.0	000.1500	0125.5	012.6		195.8	000.0150	0332.2	056.8	33.04
049.0	000.1500	0125.0	012.6		195.7	000.0150	0333.7	056.9	33.04
050.0	000.1500	0124.6	012.6		195.5	000.0150	0335.2	057.0	33.03
051.0	000.1500	0122.7	012.5		195.4	000.0150	0336.3	057.2	32.99
052.0	000.1500	0120.5	012.4		195.2	000.0150	0337.3	057.5	32.95
053.0	000.1500	0117.9	012.3		195.2	000.0150	0338.1	057.7	32.89
054.0	000.1500	0116.3	012.2		195.0	000.0150	0339.2	057.9	32.85
055.0	000.1500	0115.9	012.2		194.9	000.0150	0340.4	058.0	32.84
056.0	000.1500	0115.3	012.2		194.7	000.0150	0341.5	058.2	32.81
057.0	000.1500	0113.4	012.1		194.7	000.0150	0342.3	058.4	32.76
058.0	000.1500	0110.3	011.9		194.6	000.0150	0342.6	058.7	32.67
059.0	000.1500	0106.5	011.7		194.6	000.0150	0342.7	058.9	32.57
060.0	000.1500	0102.5	011.5		194.6	000.0150	0342.7	059.2	32.46
061.0	000.1500	0098.9	011.3		194.6	000.0150	0342.7	059.5	32.36
062.0	000.1500	0095.5	011.1		194.6	000.0150	0342.6	059.8	32.25
063.0	000.1500	0092.2	010.9		194.6	000.0150	0342.6	060.1	32.15
064.0	000.1500	0089.0	010.8		194.6	000.0150	0342.5	060.3	32.05
065.0	000.1500	0086.5	010.6		194.6	000.0150	0342.5	060.6	31.97
066.0	000.1500	0085.5	010.6		194.6	000.0150	0343.0	060.7	31.92
067.0	000.1500	0085.9	010.6		194.4	000.0150	0343.9	060.9	31.90
068.0	000.1500	0087.3	010.7		194.3	000.0150	0345.0	061.0	31.90
069.0	000.1500	0088.1	010.7		194.1	000.0150	0345.8	061.1	31.88
070.0	000.1500	0088.2	010.7		194.0	000.0150	0346.4	061.2	31.84
071.0	000.1500	0086.4	010.6		194.0	000.0150	0346.5	061.5	31.77
072.0	000.1500	0082.8	010.4		194.1	000.0150	0346.0	061.7	31.65
073.0	000.1500	0079.7	010.2		194.1	000.0150	0345.7	062.0	31.55
074.0	000.1500	0076.2	010.0		194.2	000.0150	0345.2	062.2	31.44
075.0	000.1500	0072.4	009.8		194.3	000.0150	0344.5	062.5	31.31
076.0	000.1500	0070.0	009.6		194.4	000.0150	0344.1	062.7	31.22
077.0	000.1500	0070.9	009.7		194.3	000.0150	0344.9	062.8	31.20
078.0	000.1500	0074.2	009.9		194.0	000.0150	0346.3	062.9	31.23
079.0	000.1500	0077.9	010.1		193.8	000.0150	0347.7	063.0	31.25
080.0	000.1500	0081.7	010.3		193.5	000.0150	0349.0	063.0	31.27

04-04-2018

Terrain Data: GLOBE 30 Sec

FMOver Analysis

W232DN BNPFT20171201APT

W232CG

Channel = 232D

Max ERP = 0.015 kW

RCAMSL = 620 m

N. Lat. 43 23 45.0

W. Lng. 72 17 40.0

Protected

60 dBu

Channel = 232D

Max ERP = 0.15 kW

RCAMSL = 331 m

N. Lat. 42 49 42.2

W. Lng. 72 36 00.3

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
142.0	000.0150	0260.5	010.5	029.6	000.1500	0197.3	063.1	35.79	
143.0	000.0150	0254.3	010.3	029.4	000.1500	0197.4	063.0	35.84	
144.0	000.0150	0246.5	010.2	029.2	000.1500	0197.7	062.9	35.88	
145.0	000.0150	0238.2	010.0	029.0	000.1500	0197.9	062.8	35.92	
146.0	000.0150	0230.2	009.8	028.8	000.1500	0198.2	062.8	35.96	
147.0	000.0150	0223.3	009.7	028.6	000.1500	0198.4	062.7	36.00	
148.0	000.0150	0217.8	009.6	028.4	000.1500	0198.6	062.6	36.04	
149.0	000.0150	0213.7	009.5	028.3	000.1500	0198.7	062.5	36.08	
150.0	000.0150	0210.5	009.4	028.1	000.1500	0198.7	062.4	36.12	
151.0	000.0150	0207.6	009.3	028.0	000.1500	0198.7	062.3	36.16	
152.0	000.0150	0204.3	009.3	027.9	000.1500	0198.8	062.2	36.19	
153.0	000.0150	0201.1	009.2	027.7	000.1500	0198.7	062.1	36.22	
154.0	000.0150	0198.5	009.1	027.6	000.1500	0198.6	062.0	36.25	
155.0	000.0150	0196.5	009.1	027.5	000.1500	0198.4	061.9	36.28	
156.0	000.0150	0195.7	009.1	027.4	000.1500	0198.3	061.8	36.31	
157.0	000.0150	0197.3	009.1	027.3	000.1500	0198.2	061.6	36.36	
158.0	000.0150	0200.5	009.2	027.3	000.1500	0198.2	061.5	36.42	
159.0	000.0150	0203.0	009.2	027.2	000.1500	0198.1	061.3	36.47	
160.0	000.0150	0204.1	009.3	027.1	000.1500	0197.9	061.2	36.52	
161.0	000.0150	0204.5	009.3	027.0	000.1500	0197.7	061.1	36.55	
162.0	000.0150	0205.5	009.3	026.9	000.1500	0197.5	060.9	36.59	
163.0	000.0150	0206.5	009.3	026.8	000.1500	0197.2	060.8	36.63	
164.0	000.0150	0207.7	009.3	026.7	000.1500	0197.0	060.7	36.67	
165.0	000.0150	0209.1	009.4	026.7	000.1500	0196.7	060.5	36.70	
166.0	000.0150	0210.5	009.4	026.6	000.1500	0196.4	060.4	36.74	
167.0	000.0150	0212.6	009.4	026.5	000.1500	0196.1	060.3	36.78	
168.0	000.0150	0214.9	009.5	026.4	000.1500	0195.7	060.1	36.82	
169.0	000.0150	0217.5	009.6	026.3	000.1500	0195.4	060.0	36.86	
170.0	000.0150	0221.1	009.6	026.2	000.1500	0195.1	059.8	36.90	
171.0	000.0150	0225.9	009.7	026.1	000.1500	0194.9	059.6	36.96	
172.0	000.0150	0231.0	009.9	026.1	000.1500	0194.5	059.4	37.02	
173.0	000.0150	0237.4	010.0	026.0	000.1500	0194.3	059.2	37.08	
174.0	000.0150	0242.3	010.1	025.9	000.1500	0193.9	059.0	37.13	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
175.0	000.0150	0247.2	010.2	025.8	000.1500	0193.5	058.9	37.18
176.0	000.0150	0254.1	010.3	025.7	000.1500	0193.1	058.6	37.24
177.0	000.0150	0261.9	010.5	025.6	000.1500	0192.8	058.4	37.31
178.0	000.0150	0269.4	010.6	025.6	000.1500	0192.3	058.2	37.38
179.0	000.0150	0277.8	010.8	025.5	000.1500	0191.9	058.0	37.45
180.0	000.0150	0286.4	011.0	025.4	000.1500	0191.5	057.7	37.51
181.0	000.0150	0295.4	011.1	025.3	000.1500	0191.0	057.5	37.58
182.0	000.0150	0307.6	011.3	025.2	000.1500	0190.5	057.2	37.66
183.0	000.0150	0319.3	011.6	025.1	000.1500	0190.0	057.0	37.74
184.0	000.0150	0330.3	011.7	024.9	000.1500	0189.4	056.7	37.81
185.0	000.0150	0341.6	011.9	024.8	000.1500	0188.8	056.4	37.88
186.0	000.0150	0353.4	012.1	024.7	000.1500	0188.0	056.2	37.94
187.0	000.0150	0364.2	012.3	024.5	000.1500	0187.1	056.0	37.99
188.0	000.0150	0370.3	012.4	024.4	000.1500	0186.0	055.8	38.00
189.0	000.0150	0369.9	012.4	024.1	000.1500	0184.6	055.7	37.96
190.0	000.0150	0368.1	012.4	023.9	000.1500	0183.1	055.7	37.90
191.0	000.0150	0365.5	012.3	023.7	000.1500	0181.5	055.7	37.84
192.0	000.0150	0359.6	012.2	023.5	000.1500	0179.7	055.8	37.74
193.0	000.0150	0352.2	012.1	023.2	000.1500	0177.7	055.8	37.62
194.0	000.0150	0346.5	012.0	023.0	000.1500	0175.8	055.9	37.51
195.0	000.0150	0339.5	011.9	022.8	000.1500	0173.9	056.0	37.38
196.0	000.0150	0330.8	011.8	022.5	000.1500	0171.8	056.1	37.24
197.0	000.0150	0324.3	011.6	022.3	000.1500	0169.8	056.2	37.11
198.0	000.0150	0322.0	011.6	022.1	000.1500	0167.9	056.2	37.00
199.0	000.0150	0320.1	011.6	021.9	000.1500	0165.9	056.2	36.90
200.0	000.0150	0316.9	011.5	021.7	000.1500	0163.9	056.3	36.78
201.0	000.0150	0315.4	011.5	021.5	000.1500	0161.9	056.3	36.67
202.0	000.0150	0317.1	011.5	021.3	000.1500	0159.9	056.3	36.58
203.0	000.0150	0319.3	011.5	021.1	000.1500	0158.0	056.2	36.49
204.0	000.0150	0321.1	011.6	020.9	000.1500	0156.1	056.2	36.41
205.0	000.0150	0324.3	011.6	020.7	000.1500	0154.3	056.2	36.33
206.0	000.0150	0329.5	011.7	020.4	000.1500	0152.5	056.1	36.27
207.0	000.0150	0335.9	011.8	020.2	000.1500	0150.8	056.0	36.21
208.0	000.0150	0345.0	012.0	020.0	000.1500	0149.3	055.9	36.18
209.0	000.0150	0358.7	012.2	019.7	000.1500	0147.8	055.7	36.18
210.0	000.0150	0375.6	012.5	019.5	000.1500	0146.6	055.5	36.19
211.0	000.0150	0393.1	012.7	019.2	000.1500	0145.5	055.3	36.21
212.0	000.0150	0408.9	012.9	018.9	000.1500	0144.5	055.1	36.22
213.0	000.0150	0423.0	013.1	018.6	000.1500	0143.6	055.0	36.22
214.0	000.0150	0435.6	013.3	018.4	000.1500	0142.6	054.9	36.21
215.0	000.0150	0444.8	013.4	018.1	000.1500	0141.5	054.8	36.17
216.0	000.0150	0449.6	013.5	017.8	000.1500	0140.6	054.8	36.12
217.0	000.0150	0449.3	013.5	017.6	000.1500	0139.7	054.9	36.04
218.0	000.0150	0444.8	013.4	017.4	000.1500	0138.9	055.0	35.95
219.0	000.0150	0439.2	013.4	017.2	000.1500	0138.2	055.2	35.85
220.0	000.0150	0434.8	013.3	017.0	000.1500	0137.4	055.3	35.75
221.0	000.0150	0432.6	013.3	016.8	000.1500	0136.6	055.4	35.67
222.0	000.0150	0432.4	013.3	016.6	000.1500	0135.9	055.5	35.59
223.0	000.0150	0433.3	013.3	016.4	000.1500	0135.1	055.6	35.51
224.0	000.0150	0434.4	013.3	016.1	000.1500	0134.4	055.7	35.44
225.0	000.0150	0435.4	013.3	015.9	000.1500	0133.7	055.8	35.36

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
226.0	000.0150	0435.6	013.3		015.7	000.1500	0133.0	055.9	35.28
227.0	000.0150	0434.4	013.3		015.5	000.1500	0132.3	056.1	35.19
228.0	000.0150	0432.0	013.3		015.3	000.1500	0131.5	056.2	35.10
229.0	000.0150	0429.5	013.2		015.2	000.1500	0130.8	056.4	35.00
230.0	000.0150	0428.4	013.2		015.0	000.1500	0130.0	056.5	34.90
231.0	000.0150	0428.4	013.2		014.8	000.1500	0129.0	056.7	34.80
232.0	000.0150	0428.0	013.2		014.6	000.1500	0128.1	056.8	34.69
233.0	000.0150	0426.2	013.2		014.4	000.1500	0127.3	057.0	34.58
234.0	000.0150	0422.6	013.1		014.3	000.1500	0126.4	057.1	34.47
235.0	000.0150	0419.1	013.1		014.1	000.1500	0125.6	057.3	34.36
236.0	000.0150	0416.4	013.1		014.0	000.1500	0124.8	057.5	34.24
237.0	000.0150	0414.0	013.0		013.8	000.1500	0123.9	057.7	34.13
238.0	000.0150	0410.9	013.0		013.7	000.1500	0123.0	057.9	34.01
239.0	000.0150	0407.5	012.9		013.6	000.1500	0122.2	058.1	33.89
240.0	000.0150	0404.4	012.9		013.5	000.1500	0121.4	058.3	33.78
241.0	000.0150	0402.1	012.8		013.3	000.1500	0120.6	058.4	33.66
242.0	000.0150	0400.0	012.8		013.2	000.1500	0119.9	058.6	33.56
243.0	000.0150	0398.0	012.8		013.1	000.1500	0119.3	058.8	33.45
244.0	000.0150	0395.5	012.8		013.0	000.1500	0118.7	059.0	33.35
245.0	000.0150	0392.2	012.7		012.9	000.1500	0118.2	059.2	33.24
246.0	000.0150	0388.6	012.7		012.8	000.1500	0117.8	059.4	33.14
247.0	000.0150	0385.9	012.6		012.7	000.1500	0117.3	059.6	33.04
248.0	000.0150	0384.3	012.6		012.6	000.1500	0116.8	059.8	32.95
249.0	000.0150	0384.7	012.6		012.5	000.1500	0116.2	060.0	32.85
250.0	000.0150	0386.6	012.6		012.3	000.1500	0115.6	060.2	32.75
251.0	000.0150	0388.7	012.7		012.2	000.1500	0114.9	060.3	32.65
252.0	000.0150	0389.7	012.7		012.1	000.1500	0114.3	060.5	32.55
253.0	000.0150	0388.7	012.7		012.0	000.1500	0113.9	060.7	32.45
254.0	000.0150	0387.0	012.6		011.9	000.1500	0113.5	060.9	32.36
255.0	000.0150	0385.0	012.6		011.8	000.1500	0113.1	061.1	32.26
256.0	000.0150	0384.4	012.6		011.7	000.1500	0112.7	061.3	32.17
257.0	000.0150	0386.5	012.6		011.6	000.1500	0112.1	061.5	32.07
258.0	000.0150	0387.4	012.6		011.5	000.1500	0111.7	061.7	31.97
259.0	000.0150	0388.1	012.7		011.4	000.1500	0111.3	061.9	31.88
260.0	000.0150	0388.1	012.7		011.4	000.1500	0110.9	062.1	31.79
261.0	000.0150	0388.5	012.7		011.3	000.1500	0110.5	062.3	31.70