

Doug Vernier, Telecommunications Consultants  
401 Main St., Ste 213, Cedar Falls, IA 50613

Contour-to-Contour Channel Study - W206BW  
Connecticut Public Broadcasting, Inc.

REFERENCE CH# 206D - 89.1 MHz, Pwr= 0.01 kW, HAAT= 102.3 M, COR= 183 M DISPLAY DATES  
41 20 58.5 N. DATA 09-29-14  
72 58 22.3 W. Average Protected F(50-50)= 5.92 km SEARCH 09-30-14  
Omni-directional

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
06 1E WEDY New Haven		LI _HN CT		113.2 293.3	5.98 BLEDT20060906ABJ	41 19 42.0 72 54 25.0	0.400 88	154.6 131	17.2 Connecticut Public Broadca	171.8R	-165.8M <--
206B U New York		VAC __N NY		231.7 51.1	106.83	40 45 00.0 73 58 07.0	50.000 150	138.9 167	53.3	-38.4*	32.9
206D W206BW Westville		CP _C_ CT		0.0 134.6	0.00 BNPFT20000419AAJ	41 20 59.0 72 58 23.0	0.010 126	26.4 197	7.8 Connecticut Public Broadca	-29.6*	-18.0*
208B WPKN Bridgeport		LIC DCX CT		246.2 66.1	19.42 BMLED20060201AYV	41 16 44.0 73 11 08.0	10.000 169	3.8 253	38.4 Wpkn, Inc.	9.6	-19.2* **
204A WNHU West Haven		LIC _CN CT		171.4 351.4	6.54 BLED19981201KC	41 17 29.0 72 57 40.0	1.700 49	1.6 79	11.5 University Of New Haven	-2.6*	-5.2* **
206D W206AW Pawling		LIC DC_ NY		311.1 130.7	61.89 BLFT19991115AAU	41 42 50.0 73 32 07.0	0.250 212	55.6 446	16.8 Sound Of Life, Inc.	2.7	29.0
206B1 WPKT Norwich		LIC DHN CT		74.0 254.5	69.72 BMLED19900702KA	41 31 11.0 72 10 04.0	5.100 180	59.7 272	19.0 Connecticut Public Broadca	2.8	24.9
206B1 WNYU-FM New York		LIC DCN NY		235.5 54.9	95.93 BLED1123	40 51 26.0 73 54 48.0	8.300 78	82.7 106	24.1 New York University	7.2	49.3
205B1 WJMJ Hartford		LIC DCN CT		357.7 177.7	44.83 BLED19971010KA	41 45 09.0 72 59 40.0	6.200 185	30.8 389	20.8 St. Thomas Seminary	9.3	14.5
205A WFRS Smithtown		LIC DEX NY		196.1 16.0	62.71 BMLED20130530AMD	40 48 27.0 73 10 48.0	1.500 132	31.4 154	21.3 Family Stations Inc	24.4	31.6
203A WVOF Fairfield		LIC _CN CT		228.6 48.4	32.00 BMLED19900313KC	41 09 32.0 73 15 35.0	0.100 10	0.7 66	5.6 Fairfield University	24.9	25.4
06 1C WRGB Schenectady		LI _HN NY		329.2 148.5	165.73 BMLCDT20110816AAF	42 37 31.0 74 00 38.0	30.200 392	3.7 649	5.9 Wrgb Licensee, Llc	137.0R	28.7M
06 1C WRGB Schenectady		AP _HN NY		329.8 149.1	166.22 BXLCDT20110721AKD	42 38 13.0 73 59 45.0	14.000 311	0.2 550	6.0 Wrgb Licensee, Llc	137.0R	29.2M
06 1C WRGB Schenectady		CP _HN NY		329.8 149.1	166.22 BXPCDT20110504ABY	42 38 13.0 73 59 45.0	14.000 311	0.2 550	6.0 Wrgb Licensee, Llc	137.0R	29.2M
206A WFDU Teaneck		LIC _CN NJ		241.8 61.2	90.52 BLED901	40 57 39.0 73 55 23.0	0.550 152	55.1 195	16.7 Fairleigh Dickinson Univer	29.4	54.9
207A WRTC-FM Hartford		LIC _CX CT		27.6 207.7	50.46 BMLED20020201AAV	41 45 06.0 72 41 29.0	0.300 29	13.2 79	9.3 Trustees Of Trinity Colleg	31.0	33.0
203A WANR Brewster		LIC DCX NY		274.9 94.6	46.85 BLED20130925AHA	41 23 04.0 73 31 57.0	0.235 44	0.8 222	9.7 Wamc	40.9	36.9
203D W203BB Norwalk		LIC DV_ CT		233.0 52.7	45.70 BMLFT20120312AAB	41 06 05.0 73 24 31.0	0.005 -12	0.1 22	2.3 Calvary Chapel Of Twin Fal	39.3	43.0
206B WMHT-FM Schenectady		LIC _CX NY		329.2 148.5	165.73 BLED20121121ACB	42 37 31.0 74 00 38.0	6.100 361	122.5 627	49.6 Wmht Educational Telecommu	39.9	103.3
207B1 WLJP Monroe		CP DCX NY		272.3 91.5	97.25 BPED20140303AAF	41 22 42.0 74 08 16.0	1.600 283	42.9 494	28.3 Sound Of Life, Inc.	49.2	62.1
203A WEDW-FM Stamford		LIC DEN CT		234.2 53.8	57.25 BLED19920113KA	41 02 49.0 73 31 36.0	2.000 92	0.2 127	5.6 Connecticut Public Broadca	50.7	49.5
205A WWES Mount Kisco		LIC DVX NY		259.0 78.5	63.06 BLED20101018ABK	41 14 20.0 73 42 48.0	0.200 35	5.5 167	3.7 Wamc	52.3	51.4
209D W209CJ Mount Kisco		LIC _C_ NY		259.0 78.5	63.02 BMLFT20110602ACX	41 14 20.0 73 42 46.0	0.038 33	0.4 166	4.4 Town Of Monroe, Connecticu	57.3	58.4
207A WLJP Monroe		LIC _CX NY		272.3 91.5	97.25 BLED20130503ACB	41 22 42.0 74 08 16.0	0.200 283	29.5 494	19.8 Sound Of Life, Inc.	62.7	70.2
207A WSGG Norfolk		LIC _V_ CT		345.5 165.4	75.91 BLED20010907AAL	42 00 38.0 73 12 08.0	0.140 28	8.8 386	6.1 Revival Christian Ministri	62.9	65.4

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	Page # 2 PRO(km) *IN* *OUT* LICENSEE (Overlap in km)		
06-T Hartford	WHCT-LP	AP	D_N CT	41.1 221.4	67.00 BDISTVL20110818ACN	41 48 09.7 72 26 29.7	0.010 225	3.2 270	0.4 Venture Technologies Group	3.6R	63.4M
203B Amherst	WFCR	LIC	_CN MA	21.8 202.2	121.57 BLED19970605KB	42 21 49.0 72 25 24.0	13.000 295	5.8 478	57.0 University Of Massachusett	109.8	64.2
203A Syosset	WKWZ	LIC	DCN NY	213.9 33.6	73.90 BLED19901102KA	40 47 48.0 73 27 44.0	0.125 79	0.5 116	7.7 Syosset Central School Dis	66.8	65.5
203A Plainview	WPOB	LIC	DCN NY	213.9 33.6	73.90 BLED19901102KB	40 47 48.0 73 27 44.0	0.125 79	0.4 116	6.2 Plainview-old Bethpage Sch	67.0	67.1
207A Copiague	WGSS	LIC	DCX NY	205.1 24.8	81.78 BLED20120411ABL	40 40 58.0 73 23 04.0	0.110 10	6.8 21	4.8 Calvary Chapel Of Hope	68.3	67.8
204A Poughkeepsie	WRHV	LIC	_VN NY	296.1 115.4	94.57 BLED19900913KA	41 43 09.0 73 59 47.0	0.230 393	1.1 503	26.3 Wmht Educational Telecommu	89.0	68.1
204A Rosendale	WFNP	LIC	_VN NY	296.1 115.4	94.57 BLED19930111KC	41 43 09.0 73 59 47.0	0.230 393	1.1 503	26.3 State University Of New Yo	89.0	68.1
209B Kingston	WFGB	LIC	DCN NY	311.0 130.3	124.06 BLED19911121KB	42 04 35.0 74 06 26.0	3.100 453	2.9 814	54.7 Sound Of Life, Inc.	116.6	69.1
204A Montauk	WEER	LIC	_EX NY	112.6 293.3	90.58 BLED20050318ABX	41 01 55.0 71 58 33.0	1.700 91	1.9 93	20.2 Eastern Tower Corp.	81.5	70.1
209D Somers	WDJW	LIC	_HN CT	31.7 212.0	80.12 BLED19790726AE	41 57 43.0 72 27 51.0	0.009 -18	0.2 96	3.3 Wdjw-somers High School	73.5	75.7
06 D Roslyn	W26DC-D	AP	D_N NY	223.9 43.4	84.46 BDISDTV20140331AWN	40 47 59.0 73 40 06.0	0.200 79	3.7 80	5.9 K Licensee, Inc.	9.6R	74.9M
209D Somers	WDJW	CP	_CX CT	31.3 211.6	81.73 BPED20120412ACE	41 58 36.0 72 27 33.0	0.005 -24	0.2 93	2.7 Wdjw-somers High School	75.2	78.1
208D Massapequa	W208AU	LIC	_C_ NY	207.5 27.2	83.70 BLFT20021217ABQ	40 40 50.0 73 25 50.0	0.236 11	1.1 23	7.0 Best Media, Inc.	76.0	76.5
208D Massapequa	W208AU	APP	_C_ NY	208.6 28.2	84.86 BPFT20140404ABH	40 40 41.3 73 27 14.9	0.236	1.1 18	7.0 Best Media, Inc.	77.2	77.7
204D Nyack	WNYK	LIC	_CN NY	250.0 69.4	85.29 BLED19820521AV	41 04 59.0 73 55 45.0	0.010 17	0.2 40	3.2 Nyack College	79.3	81.9
204A Hempstead	WRHU	LIC	_CN NY	217.2 36.8	87.94 BMLED19881011KA	40 43 03.0 73 36 12.0	0.470 55	1.5 78	8.4 Hofstra University	79.9	79.4
06ZT Rome	WWDG-CA	AP	D_N NY	315.8 134.2	291.67 BDISTVA20080528AGR	43 12 18.0 75 28 48.0	0.600 85	3.7 206	5.9 Kevin O'kane	211.0R	80.7M
06-T New York	WNYZ-LP	LI	D_N NY	230.9 50.2	105.42 BLTVL20080128ACC	40 44 50.0 73 56 38.0	3.000 213	3.5 213	6.0 Island Broadcasting Llc	9.5R	95.9M
06 T New York	WNYZ-LP	AP	D_N NY	230.9 50.2	105.42 BMPDVL20131119BDF	40 44 50.0 73 56 38.0	1.000 213	3.5 213	1.6 Island Broadcasting Llc	5.1R	100.4M
06 T New York	WNYZ-LP	CPM	D_N NY	230.9 50.2	105.42 BMPDVL20121022ACC	40 44 50.0 73 56 38.0	1.000 213	3.5 213	1.6 Island Broadcasting Llc	5.1R	100.4M
06 1C Philadelphia	WPVI-TV	AP	_HN PA	233.5 52.1	239.99 BDSTA20120724AED	40 02 39.0 75 14 26.0	62.900 332	3.5 404	6.0 Abc, Inc.	137.0R	103.0M
06 1C Philadelphia	WPVI-TV	AP	_CY PA	233.5 52.0	240.23 BDSTA20120619ABX	40 02 33.0 75 14 33.0	62.900 330	3.7 395	5.9 Abc, Inc.	137.0R	103.2M
06 1C Philadelphia	WPVI-TV	LI	_CY PA	233.5 52.0	240.23 BLCDT20111019ACJ	40 02 33.0 75 14 33.0	34.000 330	3.7 395	5.9 Abc, Inc.	137.0R	103.2M
06 1C Philadelphia	WPVI-TV	AP	_CY PA	233.5 52.0	240.23 BPCDT20120604AEC	40 02 33.0 75 14 33.0	62.900 330	3.7 395	5.9 Abc, Inc.	137.0R	103.2M
06-T Binghamton	WXXW-LP	LI	_N NY	289.9 107.9	257.50 BLTVL20060515AAC	42 05 60.0 75 54 32.0	0.016 45	0.2 324	6.0 Johnson Broadcasting Compa	137.0R	120.5M

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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.  
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.  
<-WEDY is owned by the applicant and W206BW was previously granted under the C.P. \*\* Protected by U/D see attach.

## 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.

W206BW.C Westfield, CT  
 74.1204(d) Showing  
 Translator or LPFM Maximum Licensed ERP = 0.01  
 Translator or LPFM Antenna Height AG = 53.34 Meters  
 W206BW.C Antenna Model = Nicom BKG77 - 1 bay

Protected Station's Contour = 72.85942 dBu  
 Translator's or LPFM's full Interference contour 112.85942

Review Azimuth = 0 Degrees True  
 Relative Field on the horizon at Review Azimuth = 1.000  
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.01 kW  
 Distance between stations = 19.4 km  
 Protected Station= WPKN, 10 kW, 253 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.0100	050.4695	050.4695	053.340
05.00	0.993	1.0	0.0099	050.1162	049.9255	048.972
10.00	0.974	1.0	0.0095	049.1573	048.4105	044.804
15.00	0.941	1.0	0.0089	047.4918	045.8736	041.048
20.00	0.897	1.0	0.0080	045.2711	042.5410	037.856
25.00	0.843	1.0	0.0071	042.5458	038.5596	035.359
30.00	0.78	1.0	0.0061	039.3662	034.0921	033.657
35.00	0.709	1.0	0.0050	035.7829	029.3116	032.816
40.00	0.633	1.0	0.0040	031.9472	024.4730	032.805
45.00	0.554	1.0	0.0031	027.9601	019.7708	033.569
50.00	0.473	1.0	0.0022	023.8721	015.3447	035.053
55.00	0.394	1.0	0.0016	019.8850	011.4056	037.051
60.00	0.317	1.0	0.0010	015.9988	007.9994	039.485
65.00	0.245	1.0	0.0006	012.3650	005.2257	042.133
70.00	0.181	1.0	0.0003	009.1350	003.1243	044.756
75.00	0.124	1.0	0.0002	006.2582	001.6197	047.295
80.00	0.077	1.0	0.0001	003.8862	000.6748	049.513
85.00	0.041	1.0	0.0000	002.0692	000.1803	051.279
90.00	0.016	1.0	0.0000	000.8075	000.0000	052.532

W206BW.C Westfield, CT  
 74.1204(d) Showing  
 Translator or LPFM Maximum Licensed ERP = 0.01  
 Translator or LPFM Antenna Height AG = 53.34 Meters  
 W206BW.C Antenna Model = Nicom BKG77 - 1 bay

Protected Station's Contour = 69.70751 dBu  
 Translator's or LPFM's full Interference contour 109.70751

Review Azimuth = 0 Degrees True  
 Relative Field on the horizon at Review Azimuth = 1.000  
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.01 kW  
 Distance between stations = 6.5 km  
 Protected Station= WNHU, 1.7 kW, 79 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.0100	072.5478	072.5478	053.340
05.00	0.993	1.0	0.0099	072.0400	071.7659	047.061
10.00	0.974	1.0	0.0095	070.6616	069.5881	041.070
15.00	0.941	1.0	0.0089	068.2675	065.9414	035.671
20.00	0.897	1.0	0.0080	065.0754	061.1509	031.083
25.00	0.843	1.0	0.0071	061.1578	055.4278	027.494
30.00	0.78	1.0	0.0061	056.5873	049.0061	025.046
35.00	0.709	1.0	0.0050	051.4364	042.1342	023.837
40.00	0.633	1.0	0.0040	045.9228	035.1789	023.821
45.00	0.554	1.0	0.0031	040.1915	028.4197	024.920
50.00	0.473	1.0	0.0022	034.3151	022.0573	027.053
55.00	0.394	1.0	0.0016	028.5838	016.3950	029.925
60.00	0.317	1.0	0.0010	022.9977	011.4988	033.423
65.00	0.245	1.0	0.0006	017.7742	007.5117	037.231
70.00	0.181	1.0	0.0003	013.1312	004.4911	041.001
75.00	0.124	1.0	0.0002	008.9959	002.3283	044.651
80.00	0.077	1.0	0.0001	005.5862	000.9700	047.839
85.00	0.041	1.0	0.0000	002.9745	000.2592	050.377
90.00	0.016	1.0	0.0000	001.1608	000.0000	052.179



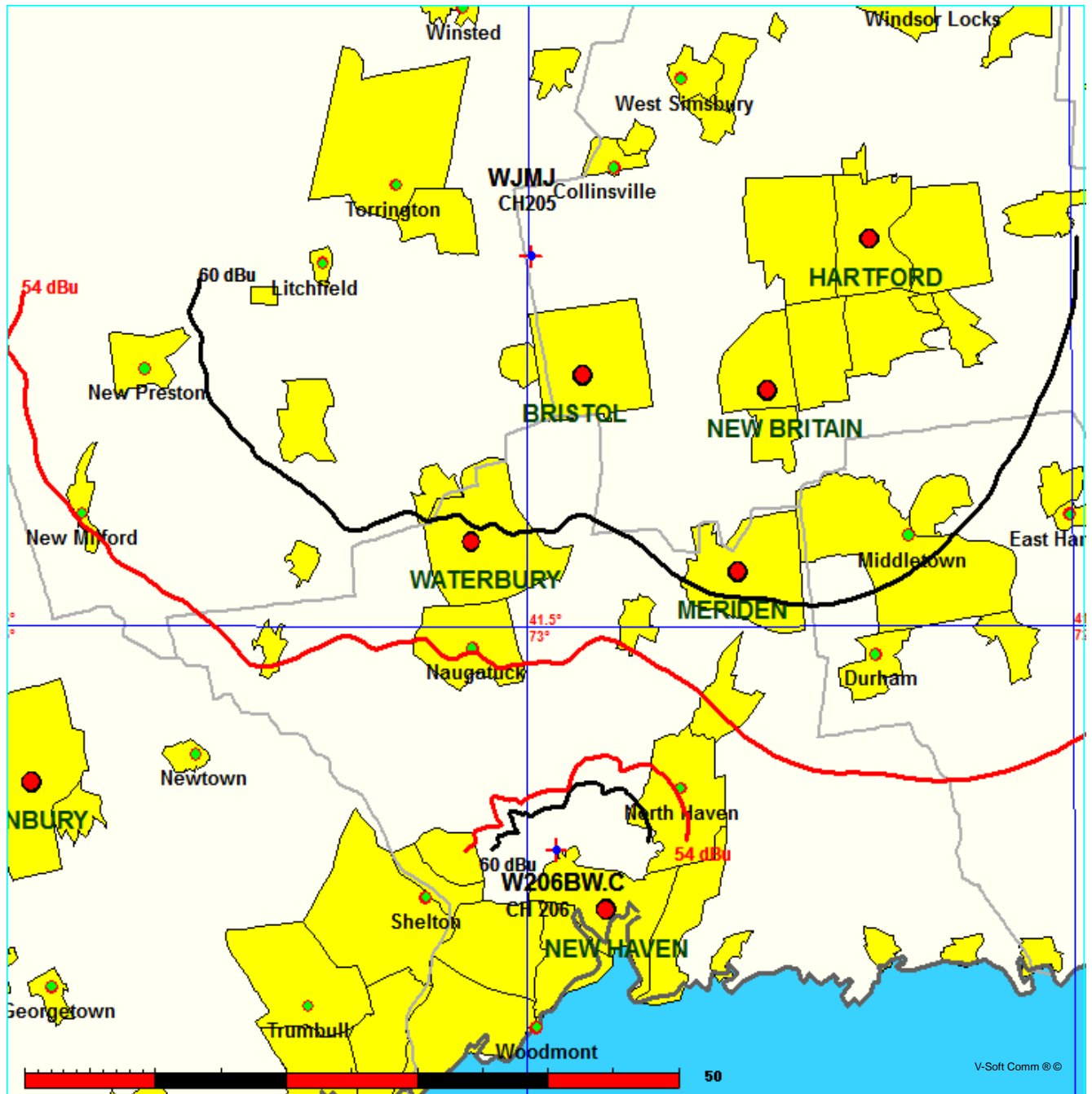


W206BW Contour Relationship with 1st Adjacent WJMJ  
Connecticut Public Broadcasting, Inc.

FMCommander Single Allocation Study - 09-30-2014 - GLOBE 30 Sec  
W206BW.C's Overlaps (In= 9.32 km, Out= 14.48 km)

W206BW.C CH 206 D  
Lat= 41 20 58.5, Lng= 72 58 22.3  
0.01 kW 102.3 M HAAT, 183 M COR  
Prot.= 60 dBu, Intef.= 54 dBu

WJMJ CH 205 B1 DA BLED19971010KA  
Lat= 41 45 09.0, Lng= 72 59 40.0  
6.2 kW 185 M HAAT, 389 M COR  
Prot.= 60 dBu, Intef.= 54 dBu



09-30-2014

Terrain Data: GLOBE 30 Sec

FMOver Analysis

W206BW.C

WJMJ BLED19971010KA

Channel = 206D

Max ERP = 0.01 kW

RCAMSL = 183 M

N. Lat. 41 20 58.5

W. Lng. 72 58 22.3

Protected

60 dBu

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 389 M

N. Lat. 41 45 09.0

W. Lng. 72 59 40.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
298.0	000.0100	0041.9	003.7	182.0	000.6388	0158.2	043.1	48.01	
299.0	000.0100	0043.1	003.8	182.0	000.6389	0158.2	043.0	48.05	
300.0	000.0100	0045.2	003.9	182.1	000.6390	0158.2	042.9	48.10	
301.0	000.0100	0047.2	004.0	182.2	000.6392	0158.2	042.8	48.15	
302.0	000.0100	0048.8	004.1	182.2	000.6393	0158.3	042.7	48.19	
303.0	000.0100	0050.0	004.1	182.2	000.6393	0158.3	042.6	48.23	
304.0	000.0100	0051.8	004.2	182.3	000.6394	0158.3	042.5	48.28	
305.0	000.0100	0054.9	004.3	182.4	000.6396	0158.3	042.3	48.35	
306.0	000.0100	0058.4	004.5	182.5	000.6398	0158.4	042.2	48.41	
307.0	000.0100	0060.2	004.5	182.5	000.6398	0158.4	042.1	48.46	
308.0	000.0100	0060.0	004.5	182.4	000.6396	0158.4	042.1	48.48	
309.0	000.0100	0058.1	004.4	182.3	000.6394	0158.3	042.0	48.49	
310.0	000.0100	0055.3	004.3	182.1	000.6390	0158.2	042.0	48.48	
311.0	000.0100	0052.3	004.2	181.9	000.6386	0158.1	042.1	48.46	
312.0	000.0100	0048.6	004.0	181.6	000.6381	0158.1	042.1	48.43	
313.0	000.0100	0045.0	003.9	181.4	000.6377	0158.0	042.2	48.40	
314.0	000.0100	0042.2	003.7	181.2	000.6373	0157.8	042.2	48.37	
315.0	000.0100	0040.6	003.7	181.1	000.6370	0157.7	042.2	48.36	
316.0	000.0100	0040.1	003.6	181.0	000.6368	0157.6	042.2	48.36	
317.0	000.0100	0039.7	003.6	180.9	000.6367	0157.4	042.2	48.37	
318.0	000.0100	0038.7	003.6	180.8	000.6365	0157.3	042.1	48.37	
319.0	000.0100	0036.8	003.5	180.7	000.6362	0157.5	042.2	48.36	
320.0	000.0100	0033.1	003.3	180.4	000.6357	0157.5	042.3	48.31	
321.0	000.0100	0027.4	003.2	180.2	000.6354	0157.4	042.3	48.27	
322.0	000.0100	0022.7	003.2	180.2	000.6353	0157.4	042.3	48.28	
323.0	000.0100	0020.8	003.2	180.1	000.6351	0157.4	042.3	48.30	
324.0	000.0100	0022.0	003.2	180.1	000.6350	0157.4	042.2	48.31	
325.0	000.0100	0024.1	003.2	180.0	000.6349	0157.3	042.2	48.32	
326.0	000.0100	0025.5	003.2	179.9	000.6349	0157.3	042.2	48.34	
327.0	000.0100	0025.7	003.2	179.9	000.6349	0157.3	042.2	48.35	
328.0	000.0100	0025.5	003.2	179.8	000.6349	0157.3	042.1	48.36	
329.0	000.0100	0025.4	003.2	179.8	000.6349	0157.3	042.1	48.37	
330.0	000.0100	0024.6	003.2	179.7	000.6349	0157.2	042.1	48.38	
331.0	000.0100	0024.1	003.2	179.6	000.6349	0157.2	042.0	48.40	
332.0	000.0100	0025.0	003.2	179.6	000.6349	0157.2	042.0	48.41	
333.0	000.0100	0026.6	003.2	179.5	000.6349	0157.2	042.0	48.42	



Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
334.0	000.0100	0027.9	003.2	179.4	000.6349	0157.2	042.0	48.43
335.0	000.0100	0029.1	003.2	179.4	000.6349	0157.1	041.9	48.44
336.0	000.0100	0029.6	003.2	179.3	000.6349	0157.1	041.9	48.44
337.0	000.0100	0028.7	003.2	179.2	000.6349	0157.1	041.9	48.45
338.0	000.0100	0025.9	003.2	179.2	000.6349	0157.1	041.9	48.46
339.0	000.0100	0022.6	003.2	179.1	000.6349	0157.1	041.9	48.47
340.0	000.0100	0019.1	003.2	179.0	000.6349	0157.0	041.8	48.48
341.0	000.0100	0015.6	003.2	178.9	000.6349	0157.0	041.8	48.48
342.0	000.0100	0011.9	003.2	178.9	000.6349	0157.0	041.8	48.49
343.0	000.0100	0009.0	003.2	178.8	000.6349	0157.0	041.8	48.49
344.0	000.0100	0007.3	003.2	178.7	000.6349	0156.9	041.8	48.50
345.0	000.0100	0006.4	003.2	178.6	000.6349	0156.9	041.8	48.50
346.0	000.0100	0004.9	003.2	178.6	000.6349	0156.9	041.8	48.51
347.0	000.0100	0004.1	003.2	178.5	000.6349	0156.9	041.7	48.51
348.0	000.0100	0004.8	003.2	178.4	000.6349	0156.9	041.7	48.52
349.0	000.0100	0006.9	003.2	178.4	000.6349	0156.8	041.7	48.52
350.0	000.0100	0009.0	003.2	178.3	000.6349	0156.8	041.7	48.52
351.0	000.0100	0010.7	003.2	178.2	000.6349	0156.8	041.7	48.52
352.0	000.0100	0010.0	003.2	178.1	000.6349	0156.8	041.7	48.53
353.0	000.0100	0007.1	003.2	178.1	000.6349	0156.7	041.7	48.53
354.0	000.0100	0003.9	003.2	178.0	000.6349	0156.8	041.7	48.53
355.0	000.0100	0001.2	003.2	177.9	000.6349	0156.8	041.7	48.53
356.0	000.0100	0000.2	003.2	177.8	000.6349	0156.9	041.7	48.54
357.0	000.0100	-0000.9	003.2	177.8	000.6349	0156.9	041.7	48.54
358.0	000.0100	-0002.6	003.2	177.7	000.6349	0157.0	041.7	48.55
359.0	000.0100	-0002.8	003.2	177.6	000.6349	0157.2	041.7	48.55
000.0	000.0100	-0003.0	003.2	177.5	000.6349	0157.3	041.7	48.56
001.0	000.0100	-0003.2	003.2	177.4	000.6349	0157.4	041.7	48.56
002.0	000.0100	-0000.1	003.2	177.4	000.6349	0157.5	041.7	48.57
003.0	000.0100	0003.9	003.2	177.3	000.6349	0157.6	041.7	48.57
004.0	000.0100	0007.1	003.2	177.2	000.6349	0157.7	041.7	48.57
005.0	000.0100	0011.0	003.2	177.1	000.6349	0157.7	041.7	48.57
006.0	000.0100	0015.3	003.2	177.1	000.6349	0157.8	041.7	48.57
007.0	000.0100	0021.7	003.2	177.0	000.6349	0157.9	041.7	48.57
008.0	000.0100	0026.7	003.2	176.9	000.6349	0158.0	041.7	48.57
009.0	000.0100	0028.7	003.2	176.9	000.6349	0158.1	041.7	48.57
010.0	000.0100	0032.3	003.3	176.7	000.6349	0158.2	041.6	48.62
011.0	000.0100	0038.8	003.6	176.6	000.6349	0158.3	041.4	48.76
012.0	000.0100	0050.0	004.1	176.3	000.6349	0158.4	040.9	48.99
013.0	000.0100	0059.3	004.5	176.0	000.6349	0158.4	040.5	49.15
014.0	000.0100	0064.3	004.7	175.8	000.6349	0158.4	040.4	49.22
015.0	000.0100	0066.2	004.7	175.7	000.6349	0158.4	040.3	49.23
016.0	000.0100	0068.7	004.8	175.5	000.6349	0158.3	040.3	49.26
017.0	000.0100	0072.8	005.0	175.4	000.6349	0158.0	040.2	49.29
018.0	000.0100	0077.2	005.1	175.2	000.6349	0157.4	040.1	49.31
019.0	000.0100	0079.8	005.2	175.0	000.6349	0156.9	040.0	49.30
020.0	000.0100	0080.7	005.2	174.9	000.6349	0156.4	040.0	49.27
021.0	000.0100	0081.1	005.2	174.7	000.6349	0155.9	040.1	49.23
022.0	000.0100	0082.4	005.3	174.6	000.6349	0155.4	040.1	49.20
023.0	000.0100	0084.5	005.4	174.4	000.6349	0154.7	040.1	49.17
024.0	000.0100	0086.9	005.4	174.3	000.6349	0154.1	040.0	49.15

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
025.0	000.0100	0089.3	005.5	174.1	000.6349	0153.5	040.0	49.13
026.0	000.0100	0091.5	005.6	173.9	000.6349	0152.9	040.0	49.10
027.0	000.0100	0093.3	005.6	173.7	000.6349	0152.3	040.0	49.06
028.0	000.0100	0094.7	005.7	173.6	000.6349	0151.6	040.0	49.02
029.0	000.0100	0095.7	005.7	173.4	000.6349	0151.0	040.1	48.98
030.0	000.0100	0096.7	005.8	173.3	000.6349	0150.4	040.1	48.93
031.0	000.0100	0097.6	005.8	173.2	000.6349	0149.8	040.1	48.87
032.0	000.0100	0098.1	005.8	173.0	000.6349	0149.2	040.2	48.82
033.0	000.0100	0098.4	005.8	172.9	000.6349	0148.7	040.2	48.77
034.0	000.0100	0099.4	005.8	172.8	000.6349	0148.2	040.3	48.72
035.0	000.0100	0100.4	005.9	172.6	000.6349	0147.8	040.3	48.68
036.0	000.0100	0099.2	005.8	172.6	000.6349	0147.6	040.4	48.62
037.0	000.0100	0095.1	005.7	172.6	000.6349	0147.6	040.6	48.55
038.0	000.0100	0090.1	005.5	172.7	000.6349	0147.8	040.8	48.48
039.0	000.0100	0087.2	005.4	172.7	000.6349	0147.8	040.9	48.42
040.0	000.0100	0088.3	005.5	172.5	000.6349	0147.4	040.9	48.37
041.0	000.0100	0092.1	005.6	172.3	000.6349	0146.8	040.9	48.35
042.0	000.0100	0097.9	005.8	172.0	000.6349	0146.1	040.9	48.33
043.0	000.0100	0104.6	006.0	171.7	000.6349	0145.4	040.8	48.31
044.0	000.0100	0112.0	006.2	171.4	000.6349	0144.9	040.8	48.30
045.0	000.0100	0119.9	006.4	171.1	000.6349	0144.4	040.8	48.29
046.0	000.0100	0126.8	006.5	170.8	000.6349	0144.2	040.8	48.28
047.0	000.0100	0131.5	006.7	170.6	000.6349	0144.0	040.8	48.26
048.0	000.0100	0134.4	006.7	170.4	000.6349	0143.9	040.9	48.22
049.0	000.0100	0136.5	006.8	170.3	000.6349	0143.8	040.9	48.18
050.0	000.0100	0137.8	006.8	170.2	000.6349	0143.7	041.0	48.14
051.0	000.0100	0138.2	006.8	170.1	000.6349	0143.7	041.1	48.09
052.0	000.0100	0138.4	006.8	170.0	000.6352	0143.6	041.2	48.04
053.0	000.0100	0139.2	006.8	169.9	000.6368	0143.5	041.3	48.01
054.0	000.0100	0140.7	006.9	169.8	000.6387	0143.5	041.4	47.98
055.0	000.0100	0142.8	006.9	169.6	000.6408	0143.4	041.5	47.95
056.0	000.0100	0144.8	007.0	169.5	000.6428	0143.4	041.6	47.92
057.0	000.0100	0146.4	007.0	169.4	000.6446	0143.4	041.7	47.89

09-30-2014

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WJMJ BLED19971010KA

W206BW.C

Channel = 205B1

Max ERP = 6.2 kW

RCAMSL = 389 M

N. Lat. 41 45 09.0

W. Lng. 72 59 40.0

Protected

60 dBu

Channel = 206D

Max ERP = 0.01 kW

RCAMSL = 183 M

N. Lat. 41 20 58.5

W. Lng. 72 58 22.3

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
118.0	003.2679	0278.6	039.2	051.2	000.0100	0138.2	042.1	29.32	
119.0	003.1962	0279.2	039.1	051.4	000.0100	0138.3	041.4	29.63	
120.0	003.1254	0279.2	038.9	051.5	000.0100	0138.3	040.7	29.94	
121.0	003.0510	0279.7	038.7	051.7	000.0100	0138.3	040.0	30.26	
122.0	002.9775	0280.7	038.6	051.8	000.0100	0138.3	039.4	30.57	
123.0	002.9049	0282.0	038.5	052.0	000.0100	0138.4	038.7	30.88	
124.0	002.8333	0283.5	038.4	052.2	000.0100	0138.5	038.0	31.20	
125.0	002.7624	0284.9	038.3	052.3	000.0100	0138.6	037.3	31.52	
126.0	002.6925	0285.5	038.1	052.4	000.0100	0138.6	036.7	31.85	
127.0	002.6235	0285.7	037.9	052.3	000.0100	0138.6	036.0	32.19	
128.0	002.5554	0285.9	037.7	052.3	000.0100	0138.6	035.3	32.52	
129.0	002.4882	0286.1	037.5	052.3	000.0100	0138.5	034.6	32.85	
130.0	002.4219	0286.6	037.3	052.2	000.0100	0138.5	033.9	33.18	
131.0	002.3526	0286.8	037.1	052.1	000.0100	0138.4	033.2	33.52	
132.0	002.2844	0286.9	036.9	051.9	000.0100	0138.3	032.6	33.85	
133.0	002.2171	0286.6	036.7	051.6	000.0100	0138.3	031.9	34.19	
134.0	002.1509	0286.2	036.4	051.3	000.0100	0138.2	031.2	34.54	
135.0	002.0857	0285.4	036.1	050.9	000.0100	0138.2	030.6	34.90	
136.0	002.0285	0284.2	035.8	050.5	000.0100	0138.0	029.9	35.26	
137.0	001.9722	0282.7	035.5	050.0	000.0100	0137.8	029.3	35.62	
138.0	001.9166	0280.8	035.2	049.4	000.0100	0137.0	028.6	35.95	
139.0	001.8619	0278.3	034.8	048.7	000.0100	0135.9	028.0	36.26	
140.0	001.8079	0275.5	034.4	047.8	000.0100	0134.1	027.4	36.52	
141.0	001.7383	0272.6	034.0	046.8	000.0100	0130.6	026.9	36.67	
142.0	001.6700	0269.6	033.5	045.6	000.0100	0124.2	026.3	36.60	
143.0	001.6031	0266.2	032.9	044.3	000.0100	0114.4	025.8	36.26	
144.0	001.5376	0261.8	032.4	042.8	000.0100	0102.9	025.4	35.61	
145.0	001.4735	0257.4	031.8	041.2	000.0100	0093.0	024.9	34.96	
146.0	001.4107	0254.1	031.2	039.7	000.0100	0087.5	024.6	34.66	
147.0	001.3493	0252.5	030.8	038.3	000.0100	0088.9	024.2	35.09	
148.0	001.2892	0252.0	030.4	037.1	000.0100	0094.7	023.8	35.97	
149.0	001.2305	0252.0	030.1	035.8	000.0100	0099.6	023.4	36.70	
150.0	001.1732	0251.8	029.8	034.5	000.0100	0100.1	023.1	37.00	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
151.0	001.1252	0250.0	029.4	033.1	000.0100	0098.4	022.8	37.05
152.0	001.0781	0245.9	028.9	031.3	000.0100	0097.8	022.6	37.14
153.0	001.0321	0240.6	028.3	029.4	000.0100	0096.1	022.5	37.06
154.0	000.9870	0235.4	027.7	027.5	000.0100	0094.0	022.4	36.90
155.0	000.9430	0229.2	027.1	025.5	000.0100	0090.3	022.4	36.52
156.0	000.9142	0219.9	026.3	023.3	000.0100	0085.1	022.6	35.87
157.0	000.8859	0206.9	025.4	020.8	000.0100	0081.0	022.9	35.16
158.0	000.8580	0192.9	024.4	018.3	000.0100	0078.4	023.3	34.53
159.0	000.8305	0181.4	023.6	016.3	000.0100	0069.9	023.7	33.26
160.0	000.8035	0173.7	023.0	014.7	000.0100	0065.6	024.0	32.54
161.0	000.7858	0168.4	022.6	013.3	000.0100	0061.3	024.1	31.89
162.0	000.7682	0164.1	022.2	012.0	000.0100	0050.5	024.2	30.13
163.0	000.7508	0160.4	021.8	010.9	000.0100	0037.3	024.4	27.34
164.0	000.7337	0156.6	021.5	009.7	000.0100	0030.9	024.5	25.71
165.0	000.7167	0152.9	021.1	008.5	000.0100	0028.0	024.7	25.38
166.0	000.7000	0149.3	020.7	007.4	000.0100	0024.1	024.9	25.25
167.0	000.6834	0146.2	020.4	006.4	000.0100	0018.1	025.1	25.13
168.0	000.6670	0144.2	020.2	005.5	000.0100	0012.5	025.2	25.04
169.0	000.6509	0143.5	020.0	004.6	000.0100	0009.5	025.3	24.99
170.0	000.6349	0143.6	019.9	003.8	000.0100	0006.1	025.3	24.98
171.0	000.6349	0144.4	019.9	003.0	000.0100	0003.9	025.2	25.06
172.0	000.6349	0146.0	020.0	002.3	000.0100	0001.1	025.0	25.18
173.0	000.6349	0149.0	020.2	001.6	000.0100	-0001.8	024.7	25.36
174.0	000.6349	0153.2	020.5	000.8	000.0100	-0003.4	024.4	25.58
175.0	000.6349	0156.9	020.8	000.0	000.0100	-0003.0	024.1	25.77
176.0	000.6349	0158.4	020.9	359.2	000.0100	-0002.9	024.0	25.86
177.0	000.6349	0157.9	020.8	358.3	000.0100	-0002.7	024.0	25.85
178.0	000.6349	0156.8	020.8	357.5	000.0100	-0001.5	024.1	25.79
179.0	000.6349	0157.0	020.8	356.6	000.0100	-0000.3	024.1	25.80
180.0	000.6349	0157.3	020.8	355.7	000.0100	0000.5	024.1	25.80
181.0	000.6369	0157.6	020.8	354.9	000.0100	0001.3	024.1	25.80
182.0	000.6389	0158.2	020.9	354.0	000.0100	0004.0	024.1	25.80
183.0	000.6408	0158.7	020.9	353.1	000.0100	0006.8	024.1	25.80
184.0	000.6428	0161.3	021.1	352.2	000.0100	0009.6	024.0	25.87
185.0	000.6448	0160.8	021.1	351.3	000.0100	0010.7	024.1	25.81
186.0	000.6468	0158.0	020.9	350.6	000.0100	0010.4	024.3	25.63
187.0	000.6488	0154.6	020.7	349.9	000.0100	0008.7	024.6	25.43
188.0	000.6509	0151.3	020.5	349.2	000.0100	0007.3	024.9	25.22
189.0	000.6529	0151.6	020.6	348.4	000.0100	0005.9	025.0	25.16
190.0	000.6549	0153.7	020.7	347.5	000.0100	0004.1	025.0	25.17
191.0	000.6650	0156.4	021.0	346.5	000.0100	0004.4	024.9	25.23
192.0	000.6752	0156.2	021.0	345.7	000.0100	0005.3	025.0	25.16
193.0	000.6854	0154.2	021.0	345.0	000.0100	0006.3	025.2	25.02
194.0	000.6958	0150.3	020.8	344.5	000.0100	0006.8	025.6	24.79
195.0	000.7062	0146.1	020.6	344.1	000.0100	0007.2	025.9	24.56
196.0	000.7167	0142.6	020.4	343.6	000.0100	0007.9	026.3	24.35
197.0	000.7273	0143.1	020.5	342.8	000.0100	0009.4	026.4	24.28
198.0	000.7380	0145.6	020.8	341.9	000.0100	0012.3	026.4	24.28
199.0	000.7487	0147.0	020.9	341.0	000.0100	0015.5	026.5	24.22
200.0	000.7595	0148.3	021.1	340.2	000.0100	0018.5	026.6	24.16
201.0	000.7814	0150.7	021.4	339.1	000.0100	0022.1	026.6	24.15

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
202.0	000.8035	0151.9	021.6	338.2	000.0100	0025.1	026.7	24.09
203.0	000.8260	0150.4	021.6	337.6	000.0100	0027.3	026.9	23.95
204.0	000.8488	0147.6	021.6	337.1	000.0100	0028.4	027.2	23.76
205.0	000.8719	0145.0	021.5	336.7	000.0100	0029.2	027.5	23.58
206.0	000.8953	0143.5	021.6	336.1	000.0100	0029.6	027.8	23.42
207.0	000.9190	0144.5	021.8	335.3	000.0100	0029.3	028.0	23.33
208.0	000.9430	0148.2	022.2	334.2	000.0100	0028.1	028.0	23.29
209.0	000.9674	0152.8	022.6	333.0	000.0100	0026.5	028.1	23.26
210.0	000.9920	0158.3	023.1	331.7	000.0100	0024.5	028.1	23.22
211.0	001.0220	0164.9	023.7	330.2	000.0100	0024.5	028.2	23.19
212.0	001.0524	0171.2	024.3	328.8	000.0100	0025.4	028.3	23.13
213.0	001.0833	0175.5	024.7	327.7	000.0100	0025.5	028.5	23.02
214.0	001.1146	0177.5	025.0	326.8	000.0100	0025.7	028.8	22.87
215.0	001.1464	0177.2	025.1	326.2	000.0100	0025.8	029.1	22.68
216.0	001.1786	0174.6	025.1	325.9	000.0100	0025.5	029.6	22.47
217.0	001.2113	0170.1	025.0	325.9	000.0100	0025.4	030.0	22.24
218.0	001.2444	0165.7	024.8	325.9	000.0100	0025.4	030.5	22.02
219.0	001.2779	0162.5	024.8	325.8	000.0100	0025.3	030.9	21.83
220.0	001.3119	0159.6	024.7	325.7	000.0100	0025.2	031.3	21.64
221.0	001.3579	0156.8	024.7	325.5	000.0100	0025.0	031.8	21.46
222.0	001.4048	0154.6	024.7	325.2	000.0100	0024.6	032.2	21.30
223.0	001.4524	0152.8	024.8	325.0	000.0100	0024.0	032.6	21.14
224.0	001.5008	0150.5	024.8	324.8	000.0100	0023.7	033.0	20.98
225.0	001.5500	0148.2	024.8	324.7	000.0100	0023.5	033.4	20.82
226.0	001.6126	0146.5	024.9	324.4	000.0100	0022.8	033.8	20.66
227.0	001.6765	0145.9	025.1	324.0	000.0100	0022.0	034.2	20.51
228.0	001.7416	0145.1	025.2	323.7	000.0100	0021.4	034.7	20.36
229.0	001.8079	0143.4	025.3	323.5	000.0100	0021.1	035.1	20.20
230.0	001.8755	0141.8	025.4	323.3	000.0100	0020.9	035.5	20.04
231.0	001.9339	0140.7	025.5	323.1	000.0100	0020.8	036.0	19.88
232.0	001.9932	0140.9	025.7	322.8	000.0100	0020.9	036.4	19.73
233.0	002.0534	0141.5	025.9	322.5	000.0100	0021.3	036.9	19.57
234.0	002.1145	0141.4	026.0	322.2	000.0100	0021.9	037.3	19.41
235.0	002.1765	0139.9	026.1	322.2	000.0100	0022.0	037.8	19.26
236.0	002.2394	0137.1	026.0	322.3	000.0100	0021.6	038.2	19.11
237.0	002.3032	0135.2	026.0	322.4	000.0100	0021.5	038.7	18.96