

Exhibit 12

Modification of W256BQ for WGPA											
REFERENCE		CH#		227D - 93.3 MHz,		Pwr= 0.25 kW DA,		HAAT= 31.5 M,		COR= 167 M	
40 37 27.0 N.				Average Protected F(50-50)= 7.24 km						DISPLAY DATES	
75 21 19.0 W.				Standard Directional						DATA 12-28-15	
										SEARCH 01-29-16	
CH	CALL	TYPE	ANT	AZI	DI ST	LAT	PWR(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
227B	WMMR	LIC _CX		167.9	76.34	39 57 09.0	16.500	124.2	61.7	-48.3*	2.1
Philadelphia		PA		348.1	BMLH20061205ADU	75 10 05.0	264	292	Greater Boston Radio, Inc.		
228A	WSBG	CP _CX		24.4	39.56	40 56 53.0	0.430	37.3	24.2	-0.8	10.2
Stroudsburg		PA		204.5	BPH20150303ABV	75 09 38.0	266	473	Connoisseur Media Licenses		
228A	WSBG	LIC _CX		24.6	39.73	40 56 56.0	0.550	37.3	24.3	-0.7	10.5
Stroudsburg		PA		204.8	BMLH20051116ADR	75 09 29.0	233	439	Connoisseur Media Licenses		
224D	W224AU	LIC DCN		227.9	8.60	40 34 20.0	0.008	0.2	6.7	2.7	1.1
Allentown		PA		47.8	BLFT19951106TF	75 25 51.0	174	325	Mercer County Community Co		
226D	W226AA	LIC _HN		56.4	14.86	40 41 53.0	0.150	9.2	6.2	2.6	3.9
Easton		PA		236.5	BLFT19921120TA	75 12 30.0	-3	132	Mercer County Community Co		
281B	WAEB-FM	LIC _CN		297.9	22.94	40 43 13.0	50.000	66.6	21.5	14.5R	8.4M
Allentown		PA		117.7	BLH7006	75 35 44.0	152	353	Capstar Tx, LLC		
230D	W230AG	LIC DEN		56.4	14.86	40 41 53.0	0.105	0.6	5.0	11.1	9.5
Easton		PA		236.5	BLFT19960610TA	75 12 30.0	-7	133	Lehigh Valley Community Br		
229D	W229AO	LIC _V_		258.9	22.53	40 35 06.0	0.080	0.6	6.8	12.2	14.3
Fogelsville		PA		78.8	BLFT20060421AAS	75 37 02.0	-1	166	Lehigh Valley Community Br		
225B	WMGS	LIC _C_		325.1	75.76	41 10 56.0	5.300	4.0	59.6	63.3	14.9
Wilkes-Barre		PA		144.8	BLH19990506KB	75 52 22.0	422	801	Radio License Holding Cbc,		
230D	W230AE	LIC _HN		305.8	29.97	40 46 53.0	0.010	0.2	10.7	20.3	18.2
Bethlehem, Etc.		PA		125.6	BLFT19930616TA	75 38 39.0	246	478	Good News For Life		
227D	W227BA	LIC DC_		325.2	75.67	41 10 55.0	0.010	40.1	11.7	27.2	46.3
Bear Creek		PA		144.9	BLFT20120816AAG	75 52 17.0	475	870	Four Rivers Community Broa		
224D	W224AS	LIC DC_		58.4	39.14	40 48 28.0	0.150	0.2	5.7	35.8	29.3
Washington		NJ		238.7	BLFT20130627AAU	74 57 32.0	174	371	Wrnj Radio, Inc.		
226B	WPAT-FM	LIC _CN		84.6	113.56	40 42 43.0	5.400	78.8	66.0	31.7	42.6
Paterson		NJ		265.5	BLH19820223AR	74 00 49.0	433	443	Wpat Licensing, Inc.		
229B	WSTW	LIC NCX		189.4	91.08	39 48 57.0	47.100	4.8	56.7	82.2	33.5
Wilmingon		DE		9.3	BMLH20100629AZK	75 31 47.0	153	211	Delmarva Broadcasting Comp		
227B1	WBZD-FM	LIC NCN		296.5	149.38	41 12 42.0	1.700	103.4	45.9	35.9	62.7
Muncy		PA		115.4	BLH19970403KF	76 57 16.0	372	624	Backyard Broadcasting Pa,		
281D	W281BI	CP DV_		130.6	59.18	40 16 36.7	0.250	66.6	21.5	9.5R	49.7M
Trenton		NJ		310.9	BNPFT20130826AHN	74 49 33.8	49	98	Amfm Radio Licenses, L.L.C		
230B	WNYC-FM	LIC _CX		82.7	116.25	40 44 54.0	5.200	4.3	64.7	108.9	51.4
New York		NY		263.6	BLH20110815ADD	73 59 10.0	415	429	New York Public Radio		
228L1	WQDD-LP	LIC _		283.4	75.69	40 46 45.0	0.020			59.8	55.6
Girardville		PA		102.9	BLL20150708ABJ	76 13 47.0	68	455	Golden Age Communications		
280A	WPPZ-FM	LIC _CX		171.1	65.47	40 02 29.6	0.270	66.6	21.5	9.5R	56.0M
Jenkitown		PA		351.2	BLH20070111AAX	75 14 11.4	338	403	Radio One Licenses, LLC		
229A	WSJR	LIC NCN		324.2	87.60	41 15 43.0	1.450	2.2	26.3	76.9	59.4
Dallas		PA		143.8	BLH19930121KB	75 58 04.0	207	539	Radio License Holding Cbc,		
224D	W224CW	CP DC_		102.0	76.08	40 28 44.6	0.145	0.7	12.1	72.3	63.9
Franklin Township		NJ		282.5	BMPFT20151117AWV	74 28 30.4		163	Rahul Walia		
225D	W225CF	CP _C_		238.4	74.53	40 16 15.0	0.010	0.2	6.0	64.8	67.3
Denver		PA		57.9	BNPFT20130812ABB	76 06 14.0		244	American Fm Associates, In		
227A	WJOB-FM	LIC NCX		349.9	153.80	41 59 08.0	1.900	75.6	25.4	72.1	114.4
Susquehanna		PA		169.7	BLLED20140430ABF	75 40 57.0	170	589	The Broome County Urban Le		
227D	W227CM	LIC _C_		34.4	99.94	41 21 49.0	0.250	23.8	7.1	72.9	82.6
Port Jervis		NY		214.9	BLFT20150115ABP	74 40 41.0		177	Charles Williamson		
226L1	WLEB-LP	LIC _		251.3	94.29	40 20 51.0	0.100			76.4	74.6
Lebanon		PA		70.6	BLL20031021ADJ	76 24 34.0	20	179	Calvary Chapel Lebanon		

CH CI TY	CALL	TYPE STATE	ANT	AZI <--	DI ST FI LE #	LAT LNG	PWR(kW) HAAT (M)	INT(km) COR (M)	PRO(km) LICENSEE	Page # 2 *IN* (Overlap in km)	*OUT*
228A	WWKL Mechanicsburg	LIC _CX PA		249.4 68.4	138.10 BMLH20150115AAI	40 10 38.0 76 52 38.0	1.250 219	45.0 366	29.1 Cumulus	83.8 Li censi ng LI c	94.9
228A	WVIP New Rochelle	LIC _CX NY		76.6 257.6	127.64 BLH20100706IHW	40 52 48.0 73 52 40.0	1.750 132	36.3 156	24.1 Hudson-westchester	88.3 Radio,	99.7
228D	W228CG Warwick	LIC DC_ NY		48.5 229.1	110.79 BLFT20110131ABJ	41 16 51.0 74 21 46.0	0.250 105	18.1 308	12.2 Frank R. Truatt	89.4 93.8	
224A	WRRV Middletown	LIC _C_ NY		39.4 220.0	120.26 BLH20010326AAD	41 27 25.0 74 26 24.0	6.000 82	2.3 281	23.5 Townsquare Media	114.7 Poughkeep	91.3
230D	W284BF Lancaster	CP DC_ PA		230.5 49.9	105.25 BPFT20130425AEG	40 01 04.0 76 18 32.0	0.250 6	1.1 122	7.1 Four Rivers Community Broa	95.1 97.7	
226L1	WHBI-LP Grantville	LIC ____ PA		258.2 77.3	114.75 BLL20070625ADM	40 24 18.0 76 40 55.0	0.004 148			95.3 95.4	
227A	WBWZ New Paltz	LIC _CX NY		43.0 223.9	164.62 BLH20060802ALO	41 41 58.0 74 00 11.0	0.330 295	63.7 411	20.9 Amfm Radio Licenses, L.I.c	97.6 133.1	
224A	WOBM-FM Toms River	LIC _CX NJ		129.1 309.9	130.83 BLH20110725ACY	39 52 31.0 74 09 57.3	1.400 148	2.0 154	23.5 Townsquare Media Monmouth-	125.9 107.1	
224A	WONN-FM Starview	LIC _C_ PA		244.0 63.1	136.82 BLH20040322AFY	40 04 32.0 76 48 03.0	0.700 291	1.7 429	28.9 Hall Communications, Inc.	125.4 107.2	
226B	WPOC Baltimore	LIC DC_ MD		219.2 38.3	190.57 BLH20000714ABE	39 17 13.0 76 45 16.0	16.000 264	75.1 363	63.8 Citicasters Licenses, Inc.	107.4 118.5	
227A	WYPM Chambersburg	LIC _CX PA		253.3 71.7	212.84 BLED20081126ASZ	40 02 54.0 77 45 02.0	0.350 412	91.7 721	32.2 Witf, Inc.	111.4 147.7	
224A	WQBU-FM Garden City	LIC ZC_ NY		83.4 264.4	139.11 BLH20000607ACM	40 45 26.0 73 42 52.0	2.000 159	2.3 176	27.2 Univision Radio License Co	133.7 111.7	
224D	WQBU-FM1 New York	CP DV_ NY		82.4 263.2	115.18 BPFTB20150112ABK	40 45 14.0 73 59 59.0	0.099	0.0 91	1.7 Univision Radio License Co	112.1 111.8	
224D	WQBU-FM1 New York	LIC DH_ NY		82.4 263.3	115.22 BLFTB20120411AAC	40 45 12.0 73 59 57.0	0.080	0.0 111	0.9 Univision Radio License Co	112.1 111.9	
229D	W229BY Sunbury	CP _C_ PA		286.5 105.5	128.11 BNPFT20130909ACI	40 56 32.0 76 49 05.0	0.010 327	0.2 508	10.2 Four Rivers Community Broa	117.7 116.8	
280A	WNBM Bronxville	LIC _CX NY		76.6 257.6	127.97 BLH20140708ABU	40 52 48.0 73 52 40.0	0.980 162	66.6 186	21.5 Cumulus Li censi ng LI c	9.5R 118.5M	
224D	WQBU-FM2 Brooklyn	LIC DV_ NY		87.4 268.4	131.37 BLFTB20120411AAE	40 40 01.0 73 47 56.0	1.200	1.6 49	10.3 Univision Radio License Co	126.8 120.5	
280A	WNKZ Dushore	LIC ZCX PA		318.6 138.0	130.79 BLH20130225ABB	41 30 07.0 76 23 34.0	2.800 111	66.6 664	21.5 Geos Communications	9.5R 121.3M	
228L1	WJNN-LP Monticello	CP ____ NY		24.7 205.1	134.72 BMPL20150821ABT	41 43 24.0 74 40 39.0	0.019 68			123.8 123.0	

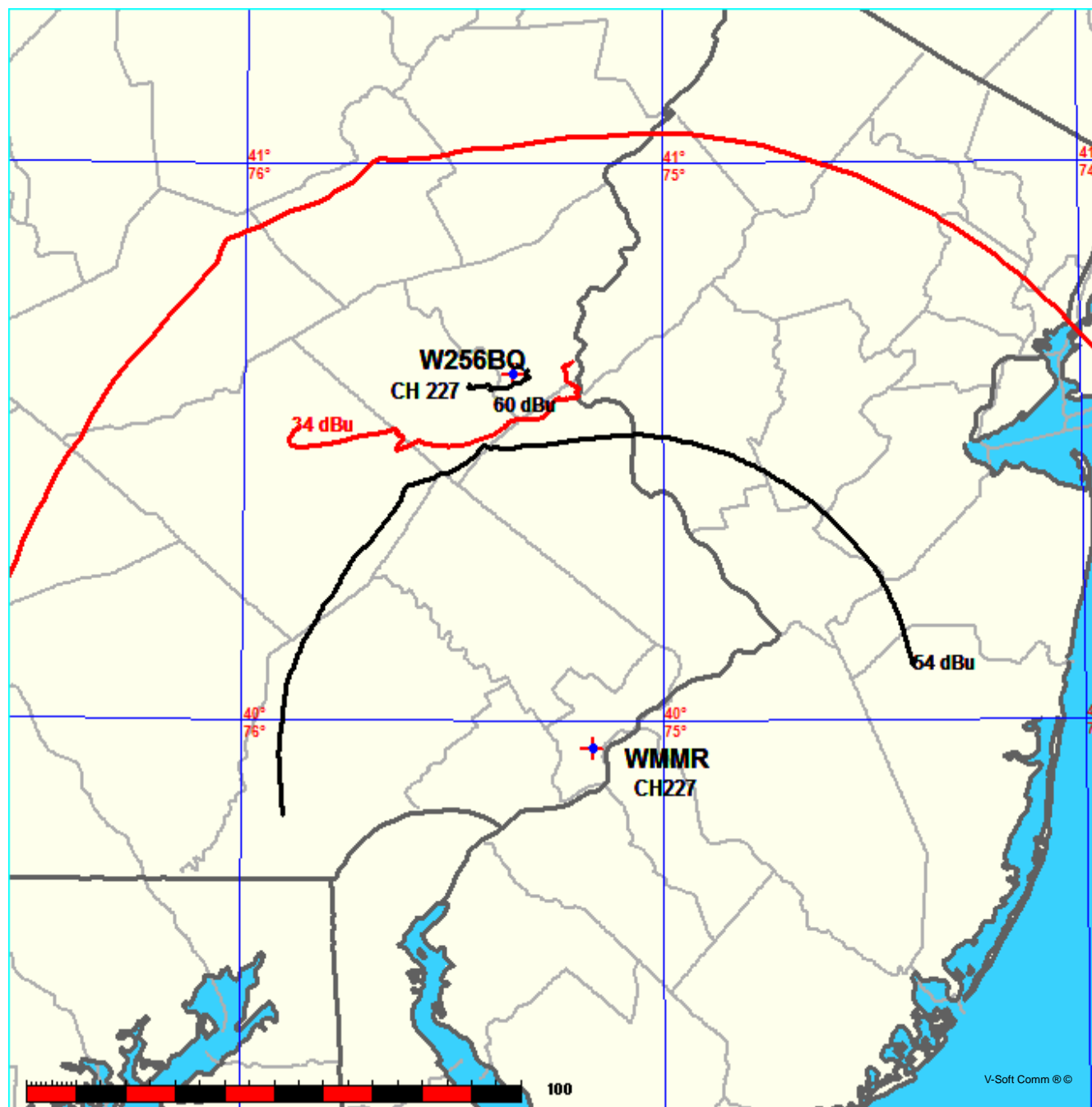
Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= East Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding.
Ant Column: (D= DA Standard, 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.
Reference station has protected zone issue: AM tower

Modification of W256BQ for WGPA

FMCommander Single Allocation Study - 01-29-2016 - NED 03 SEC
W256BQ's Overlaps (In= -48.26 km, Out= 2.12 km)

W256BQ CH 227 D DA
Lat= 40 37 27.0, Lng= 75 21 19.0
0.25 kW 31.5 m HAAT, 167 m COR
Prot.= 60 dBu, Intef.= 34 dBu

WMMR CH 227 B BMLH20061205ADU
Lat= 39 57 09.0, Lng= 75 10 05.0
16.5 kW 264 m HAAT, 292 m COR
Prot.= 54 dBu, Intef.= 40 dBu



01-29-2016

Terrain Data: NED 03 SEC

FMOver Analysis

W256BQ

WMMR BMLH20061205ADU

Channel = 227D
 Max ERP = 0.25 kW
 RCAMSL = 167 m
 N. Lat. 40 37 27.0
 W. Lng. 75 21 19.0
 Protected
 60 dBu

Channel = 227B
 Max ERP = 16.5 kW
 RCAMSL = 292 m
 N. Lat. 39 57 09.0
 W. Lng. 75 10 05.0
 Interfering
 40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
108.0	000.0034	0045.9	003.0	350.0	016.5000	0215.0	074.9	52.97*	46.38
109.0	000.0034	0047.0	003.0	350.0	016.5000	0215.0	074.8	52.99*	46.44
110.0	000.0033	0050.0	003.1	350.1	016.5000	0214.9	074.7	53.02*	46.52
111.0	000.0032	0049.8	003.1	350.0	016.5000	0215.0	074.7	53.03*	46.57
112.0	000.0032	0044.0	002.9	349.9	016.5000	0215.3	074.8	53.02*	46.54
113.0	000.0031	0040.9	002.8	349.8	016.5000	0215.5	074.8	53.02*	46.54
114.0	000.0031	0040.9	002.8	349.8	016.5000	0215.5	074.7	53.04*	46.58
115.0	000.0030	0039.3	002.7	349.7	016.5000	0215.7	074.7	53.04*	46.60
116.0	000.0029	0036.9	002.6	349.6	016.5000	0216.0	074.8	53.05*	46.61
117.0	000.0028	0035.7	002.5	349.6	016.5000	0216.3	074.8	53.05*	46.64
118.0	000.0027	0034.1	002.5	349.5	016.5000	0216.5	074.8	53.06*	46.65
119.0	000.0026	0028.6	002.3	349.4	016.5000	0217.0	074.9	53.05*	46.64
120.0	000.0025	0023.5	002.3	349.4	016.5000	0217.1	074.8	53.07*	46.67
121.0	000.0024	0017.6	002.3	349.3	016.5000	0217.2	074.8	53.08*	46.70
122.0	000.0023	0015.1	002.2	349.3	016.5000	0217.4	074.8	53.09*	46.73
123.0	000.0022	0013.1	002.2	349.3	016.5000	0217.5	074.8	53.10*	46.76
124.0	000.0021	0013.9	002.2	349.2	016.5000	0217.7	074.8	53.11*	46.79
125.0	000.0020	0014.2	002.2	349.2	016.5000	0217.8	074.8	53.11*	46.82
126.0	000.0021	0013.4	002.2	349.2	016.5000	0217.9	074.7	53.13*	46.86
127.0	000.0021	0007.5	002.2	349.2	016.5000	0218.0	074.7	53.14*	46.91
128.0	000.0022	0000.2	002.2	349.1	016.5000	0218.1	074.7	53.16*	46.95
129.0	000.0022	-0005.9	002.2	349.1	016.5000	0218.1	074.6	53.17*	46.99
130.0	000.0023	-0010.6	002.2	349.1	016.5000	0218.2	074.6	53.19*	47.04
131.0	000.0023	-0011.5	002.2	349.1	016.5000	0218.3	074.6	53.20*	47.08
132.0	000.0024	-0013.1	002.3	349.1	016.5000	0218.4	074.5	53.21*	47.12
133.0	000.0024	-0010.7	002.3	349.1	016.5000	0218.5	074.5	53.23*	47.16
134.0	000.0025	-0008.2	002.3	349.0	016.5000	0218.6	074.5	53.24*	47.20
135.0	000.0025	-0006.4	002.3	349.0	016.5000	0218.7	074.4	53.26*	47.25
136.0	000.0026	-0003.8	002.3	349.0	016.5000	0218.8	074.4	53.27*	47.29
137.0	000.0026	-0000.5	002.3	349.0	016.5000	0218.9	074.4	53.28*	47.34
138.0	000.0027	0003.6	002.3	348.9	016.5000	0219.1	074.3	53.30*	47.38
139.0	000.0027	0006.4	002.3	348.9	016.5000	0219.2	074.3	53.31*	47.43
140.0	000.0028	0006.9	002.3	348.9	016.5000	0219.3	074.3	53.33*	47.47
141.0	000.0028	0007.1	002.3	348.9	016.5000	0219.4	074.3	53.34*	47.51
142.0	000.0029	0006.7	002.4	348.9	016.5000	0219.5	074.2	53.36*	47.55
143.0	000.0029	0005.4	002.4	348.8	016.5000	0219.6	074.2	53.37*	47.59
144.0	000.0030	0003.8	002.4	348.8	016.5000	0219.7	074.2	53.38*	47.63
145.0	000.0030	0002.1	002.4	348.8	016.5000	0219.8	074.2	53.39*	47.66
146.0	000.0030	0004.0	002.4	348.7	016.5000	0220.0	074.1	53.40*	47.68
147.0	000.0029	0006.8	002.4	348.7	016.5000	0220.1	074.1	53.41*	47.70
148.0	000.0029	0011.5	002.4	348.7	016.5000	0220.2	074.1	53.41*	47.72
149.0	000.0028	0013.1	002.3	348.6	016.5000	0220.3	074.1	53.42*	47.74
150.0	000.0028	0016.0	002.3	348.6	016.5000	0220.4	074.1	53.42*	47.75
151.0	000.0027	0017.9	002.3	348.6	016.5000	0220.5	074.1	53.43*	47.77
152.0	000.0027	0017.7	002.3	348.5	016.5000	0220.5	074.1	53.43*	47.78
153.0	000.0026	0019.0	002.3	348.5	016.5000	0220.5	074.1	53.43*	47.78
154.0	000.0026	0020.4	002.3	348.5	016.5000	0220.6	074.1	53.43*	47.78
155.0	000.0025	0022.4	002.3	348.5	016.5000	0220.6	074.1	53.43*	47.78
156.0	000.0025	0023.3	002.3	348.4	016.5000	0220.6	074.1	53.43*	47.78
157.0	000.0024	0023.5	002.3	348.4	016.5000	0220.6	074.1	53.43*	47.78
158.0	000.0024	0024.1	002.3	348.4	016.5000	0220.6	074.1	53.43*	47.77
159.0	000.0023	0023.9	002.2	348.3	016.5000	0220.6	074.1	53.43*	47.77
160.0	000.0023	0022.5	002.2	348.3	016.5000	0220.6	074.1	53.43*	47.77
161.0	000.0022	0020.3	002.2	348.3	016.5000	0220.6	074.1	53.43*	47.76
162.0	000.0022	0017.8	002.2	348.2	016.5000	0220.6	074.2	53.42*	47.76

163.0	000.0021	0016.0	002.2	348.2	016.5000	0220.7	074.2	53.42*	47.76
164.0	000.0021	0013.8	002.2	348.2	016.5000	0220.7	074.2	53.42*	47.75
165.0	000.0020	0010.4	002.2	348.1	016.5000	0220.8	074.2	53.42*	47.75
166.0	000.0020	0009.5	002.2	348.1	016.5000	0220.8	074.2	53.42*	47.74
167.0	000.0019	0007.0	002.1	348.1	016.5000	0220.8	074.2	53.42*	47.73
168.0	000.0019	0006.1	002.1	348.1	016.5000	0220.8	074.2	53.41*	47.72
169.0	000.0018	0007.7	002.1	348.0	016.5000	0220.8	074.2	53.41*	47.71
170.0	000.0018	0006.2	002.1	348.0	016.5000	0220.9	074.2	53.40*	47.70
171.0	000.0018	0001.7	002.1	348.0	016.5000	0220.9	074.2	53.40*	47.69
172.0	000.0017	0000.6	002.1	347.9	016.5000	0220.9	074.3	53.40*	47.67
173.0	000.0017	0001.1	002.1	347.9	016.5000	0220.9	074.3	53.39*	47.66
174.0	000.0016	-0001.0	002.1	347.9	016.5000	0220.9	074.3	53.39*	47.64
175.0	000.0016	-0005.5	002.0	347.9	016.5000	0220.9	074.3	53.38*	47.62
176.0	000.0016	-0008.2	002.1	347.8	016.5000	0220.9	074.3	53.38*	47.63
177.0	000.0017	-0007.8	002.1	347.8	016.5000	0220.9	074.3	53.39*	47.64
178.0	000.0017	-0007.7	002.1	347.8	016.5000	0220.9	074.3	53.39*	47.65
179.0	000.0018	-0003.4	002.1	347.7	016.5000	0220.9	074.3	53.39*	47.65
180.0	000.0018	0001.3	002.1	347.7	016.5000	0220.9	074.3	53.39*	47.66
181.0	000.0018	0004.1	002.1	347.7	016.5000	0220.9	074.3	53.39*	47.66
182.0	000.0019	0007.0	002.1	347.7	016.5000	0220.9	074.3	53.39*	47.67
183.0	000.0019	0007.2	002.1	347.6	016.5000	0220.9	074.3	53.39*	47.67
184.0	000.0020	0008.3	002.2	347.6	016.5000	0220.9	074.3	53.39*	47.67
185.0	000.0020	0009.9	002.2	347.6	016.5000	0220.9	074.3	53.40*	47.67
186.0	000.0023	0013.1	002.2	347.5	016.5000	0220.9	074.2	53.41*	47.72
187.0	000.0025	0014.6	002.3	347.5	016.5000	0220.9	074.2	53.42*	47.75
188.0	000.0028	0015.4	002.3	347.4	016.5000	0220.9	074.2	53.43*	47.78
189.0	000.0030	0016.9	002.4	347.4	016.5000	0220.9	074.1	53.44*	47.81
190.0	000.0033	0018.1	002.4	347.3	016.5000	0220.9	074.1	53.45*	47.84
191.0	000.0036	0020.6	002.5	347.3	016.5000	0220.9	074.1	53.46*	47.86
192.0	000.0039	0024.0	002.5	347.3	016.5000	0220.9	074.0	53.47*	47.89
193.0	000.0042	0025.5	002.6	347.2	016.5000	0220.9	074.0	53.48*	47.92
194.0	000.0046	0025.0	002.6	347.2	016.5000	0220.9	074.0	53.48*	47.94
195.0	000.0049	0024.4	002.7	347.1	016.5000	0220.9	074.0	53.49*	47.96
196.0	000.0053	0024.4	002.7	347.1	016.5000	0221.0	074.0	53.50*	47.99
197.0	000.0058	0024.4	002.8	347.0	016.5000	0221.0	073.9	53.51*	48.02
198.0	000.0062	0021.5	002.8	347.0	016.5000	0221.1	073.9	53.52*	48.05
199.0	000.0067	0017.0	002.9	346.9	016.5000	0221.2	073.9	53.53*	48.07
200.0	000.0072	0013.4	002.9	346.9	016.5000	0221.2	073.9	53.53*	48.08
201.0	000.0077	0009.9	003.0	346.8	016.5000	0221.2	073.9	53.53*	48.09
202.0	000.0083	0004.9	003.0	346.8	016.5000	0221.2	073.9	53.53*	48.09
203.0	000.0088	-0001.1	003.1	346.7	016.5000	0221.2	073.9	53.54*	48.10
204.0	000.0094	-0006.8	003.1	346.6	016.5000	0221.2	073.9	53.54*	48.11
205.0	000.0100	-0007.8	003.2	346.6	016.5000	0221.2	073.9	53.54*	48.11
206.0	000.0108	-0005.5	003.2	346.5	016.5000	0221.2	073.8	53.55*	48.13
207.0	000.0117	-0003.8	003.3	346.5	016.5000	0221.2	073.8	53.55*	48.14
208.0	000.0125	-0002.8	003.3	346.4	016.5000	0221.2	073.8	53.55*	48.15
209.0	000.0135	0001.5	003.4	346.3	016.5000	0221.3	073.8	53.56*	48.16
210.0	000.0144	0004.4	003.4	346.3	016.5000	0221.3	073.8	53.56*	48.16
211.0	000.0154	0007.1	003.5	346.2	016.5000	0221.3	073.8	53.56*	48.16
212.0	000.0164	0009.5	003.6	346.1	016.5000	0221.4	073.8	53.56*	48.16
213.0	000.0174	0010.2	003.6	346.1	016.5000	0221.4	073.8	53.56*	48.16
214.0	000.0185	0010.0	003.7	346.0	016.5000	0221.4	073.8	53.55*	48.15
215.0	000.0196	0009.3	003.7	345.9	016.5000	0221.4	073.9	53.55*	48.13
216.0	000.0210	0003.4	003.8	345.9	016.5000	0221.3	073.9	53.54*	48.12
217.0	000.0225	0000.3	003.8	345.8	016.5000	0221.3	073.9	53.54*	48.11
218.0	000.0240	0002.2	003.9	345.7	016.5000	0221.4	073.9	53.54*	48.10
219.0	000.0256	0002.4	004.0	345.7	016.5000	0221.5	073.9	53.53*	48.09
220.0	000.0272	-0000.8	004.0	345.6	016.5000	0221.5	073.9	53.53*	48.07
221.0	000.0289	-0006.6	004.1	345.5	016.5000	0221.5	074.0	53.52*	48.05
222.0	000.0306	-0014.7	004.2	345.5	016.5000	0221.5	074.0	53.51*	48.02
223.0	000.0324	-0025.9	004.2	345.4	016.5000	0221.5	074.0	53.50*	48.00
224.0	000.0342	-0039.6	004.3	345.3	016.5000	0221.6	074.0	53.49*	47.97
225.0	000.0361	-0050.0	004.3	345.2	016.5000	0221.6	074.1	53.48*	47.93
226.0	000.0382	-0058.1	004.4	345.2	016.5000	0221.5	074.1	53.47*	47.90
227.0	000.0404	-0058.7	004.4	345.1	016.5000	0221.6	074.2	53.46*	47.86

Channel = 227B
 Max ERP = 16.5 kW
 RCAMSL = 292 m
 N. Lat. 39 57 09.0
 W. Lng. 75 10 05.0
 Protected
 54 dBu

Channel = 227D
 Max ERP = 0.25 kW
 RCAMSL = 167 m
 N. Lat. 40 37 27.0
 W. Lng. 75 21 19.0
 Interfering
 34 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
288.0	016.5000	0226.2	062.2	217.9	000.0238	0001.9	070.4	15.62	
289.0	016.5000	0225.7	062.1	218.1	000.0242	0002.6	069.4	15.88	
290.0	016.5000	0224.9	062.1	218.4	000.0246	0002.9	068.3	16.13	
291.0	016.5000	0223.8	062.0	218.6	000.0250	0002.8	067.3	16.38	
292.0	016.5000	0222.1	061.8	218.7	000.0252	0002.7	066.2	16.62	
293.0	016.5000	0220.4	061.7	218.9	000.0254	0002.5	065.1	16.86	
294.0	016.5000	0217.1	061.4	218.9	000.0254	0002.5	064.0	17.07	
295.0	016.5000	0217.2	061.4	219.1	000.0258	0002.1	063.0	17.34	
296.0	016.5000	0216.9	061.4	219.4	000.0262	0001.4	061.9	17.60	
297.0	016.5000	0217.0	061.4	219.6	000.0265	0000.7	060.9	17.87	
298.0	016.5000	0215.8	061.3	219.7	000.0267	0000.3	059.8	18.12	
299.0	016.5000	0213.5	061.1	219.7	000.0267	0000.3	058.7	18.35	
300.0	016.5000	0211.4	060.9	219.7	000.0268	0000.2	057.6	18.57	
301.0	016.5000	0210.1	060.8	219.8	000.0269	0000.0	056.6	18.81	
302.0	016.5000	0210.3	060.8	220.0	000.0271	-0000.6	055.5	19.08	
303.0	016.5000	0211.6	060.9	220.2	000.0276	-0001.7	054.5	19.38	
304.0	016.5000	0213.4	061.1	220.5	000.0281	-0003.4	053.4	19.68	
305.0	016.5000	0213.7	061.1	220.7	000.0284	-0004.5	052.4	19.95	
306.0	016.5000	0214.8	061.2	220.9	000.0287	-0006.0	051.3	20.23	
307.0	016.5000	0215.8	061.3	221.1	000.0291	-0007.2	050.3	20.51	
308.0	016.5000	0216.4	061.3	221.2	000.0293	-0008.0	049.2	20.78	
309.0	016.5000	0217.9	061.5	221.5	000.0297	-0009.5	048.2	21.07	
310.0	016.5000	0214.7	061.2	221.2	000.0292	-0007.5	047.1	21.23	
311.0	016.5000	0213.5	061.1	221.0	000.0290	-0006.9	046.0	21.46	
312.0	016.5000	0212.4	061.0	220.9	000.0288	-0006.1	044.9	21.69	
313.0	016.5000	0212.3	061.0	220.9	000.0287	-0005.8	043.9	21.97	
314.0	016.5000	0214.2	061.1	221.0	000.0290	-0006.8	042.8	22.31	
315.0	016.5000	0215.9	061.3	221.2	000.0292	-0007.5	041.7	22.65	
316.0	016.5000	0217.7	061.4	221.3	000.0294	-0008.1	040.7	23.01	
317.0	016.5000	0217.9	061.5	221.2	000.0292	-0007.5	039.6	23.31	
318.0	016.5000	0220.2	061.7	221.3	000.0294	-0008.2	038.5	23.70	
319.0	016.5000	0222.2	061.8	221.3	000.0295	-0008.6	037.4	24.08	
320.0	016.5000	0224.3	062.0	221.4	000.0296	-0009.0	036.3	24.48	
321.0	016.5000	0227.2	062.3	221.5	000.0298	-0010.1	035.2	24.91	
322.0	016.5000	0231.3	062.6	221.8	000.0303	-0012.6	034.1	25.39	
323.0	016.5000	0244.1	063.7	223.2	000.0328	-0029.1	032.8	26.22	
324.0	016.5000	0252.6	064.3	224.1	000.0344	-0040.7	031.6	26.90	
325.0	016.5000	0247.5	063.9	223.0	000.0323	-0025.6	030.6	27.08	
326.0	016.5000	0242.9	063.6	221.8	000.0303	-0012.7	029.6	27.28	
327.0	016.5000	0237.9	063.2	220.5	000.0280	-0003.1	028.6	27.45	
328.0	016.5000	0235.2	062.9	219.4	000.0262	0001.4	027.6	27.71	
329.0	016.5000	0233.3	062.8	218.3	000.0244	0002.8	026.6	27.99	
330.0	016.5000	0232.8	062.7	217.3	000.0230	0000.5	025.6	28.36	
331.0	016.5000	0228.8	062.4	215.6	000.0204	0005.9	024.8	28.43	
332.0	016.5000	0225.7	062.1	213.9	000.0184	0010.0	023.9	28.55	
333.0	016.5000	0223.9	062.0	212.3	000.0166	0009.6	023.0	28.74	
334.0	016.5000	0223.4	061.9	210.7	000.0151	0006.5	022.2	28.98	
335.0	016.5000	0225.4	062.1	209.5	000.0139	0002.8	021.2	29.37	
336.0	016.5000	0226.6	062.2	207.9	000.0125	-0003.1	020.2	29.63	
337.0	016.5000	0229.7	062.5	206.5	000.0113	-0004.3	019.2	29.99	
338.0	016.5000	0235.6	063.0	205.4	000.0104	-0006.9	018.1	30.57	
339.0	016.5000	0247.5	063.9	205.3	000.0102	-0007.4	016.6	31.74	
340.0	016.5000	0248.3	064.0	202.6	000.0086	0001.3	015.8	31.70	
341.0	016.5000	0238.4	063.2	197.6	000.0061	0022.8	015.7	30.27	
342.0	016.5000	0234.3	062.9	193.6	000.0044	0025.3	015.3	29.18	
343.0	016.5000	0229.2	062.4	189.2	000.0031	0017.1	015.2	27.74	
344.0	016.5000	0224.3	062.0	184.8	000.0020	0009.4	015.1	25.94	
345.0	016.5000	0221.7	061.8	180.6	000.0018	0003.0	015.0	25.64	
346.0	016.5000	0221.4	061.8	176.6	000.0017	-0008.3	014.8	25.46	

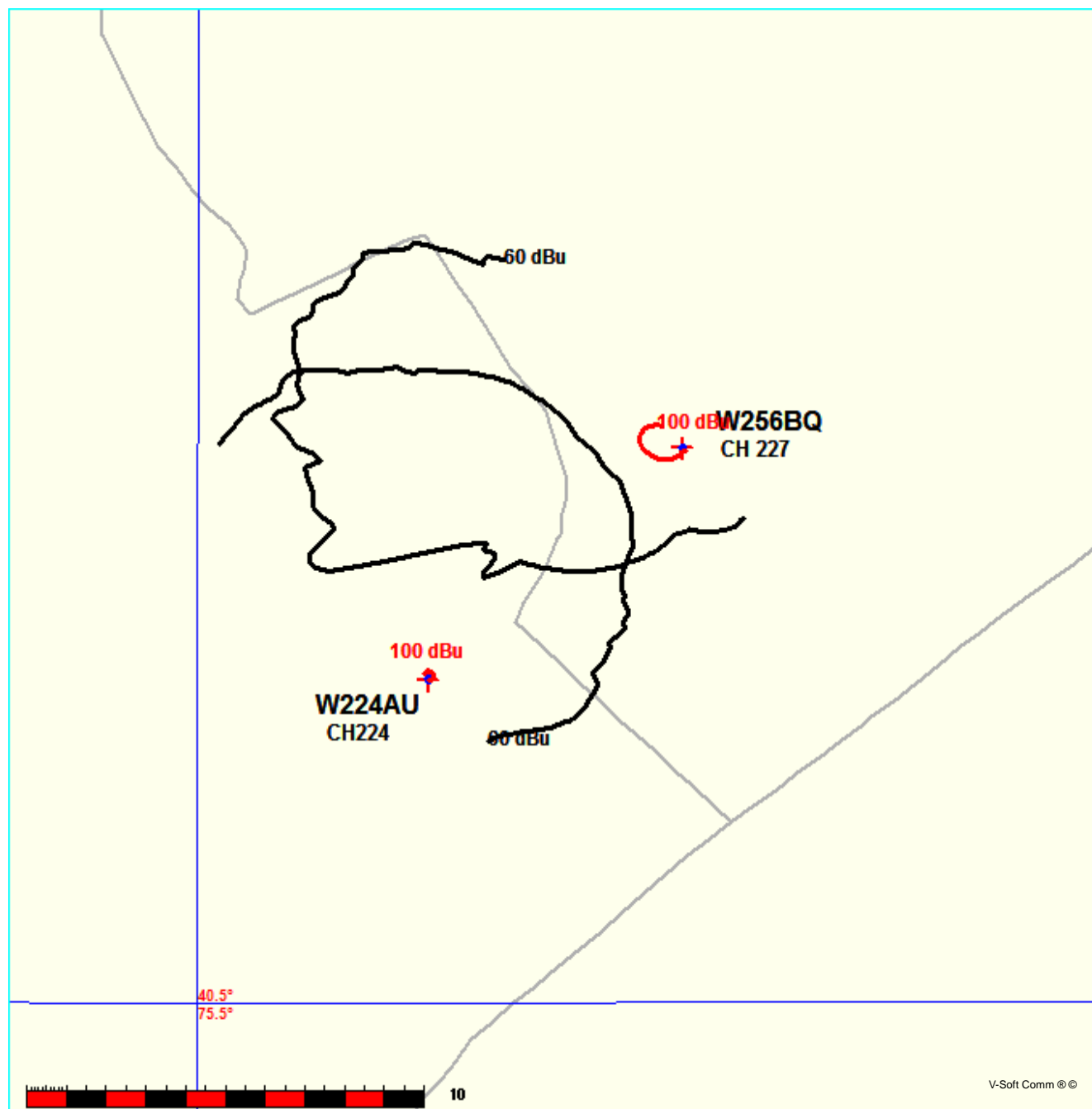
347.0	016.5000	0221.1	061.7	172.4	000.0017	0000.8	014.7	25.71
348.0	016.5000	0220.9	061.7	168.2	000.0019	0006.4	014.6	26.19
349.0	016.5000	0218.8	061.5	164.0	000.0021	0013.8	014.9	26.33
350.0	016.5000	0215.1	061.2	160.1	000.0022	0022.4	015.3	26.27
351.0	016.5000	0214.2	061.1	156.3	000.0024	0023.5	015.6	26.35
352.0	016.5000	0214.5	061.2	152.6	000.0026	0018.4	015.9	26.43
353.0	016.5000	0214.9	061.2	149.0	000.0028	0013.1	016.3	26.42
354.0	016.5000	0215.0	061.2	145.7	000.0030	0003.2	016.7	26.30
355.0	016.5000	0215.1	061.2	142.5	000.0029	0005.9	017.3	25.71
356.0	016.5000	0216.2	061.3	139.5	000.0027	0006.4	017.8	25.02
357.0	016.5000	0217.9	061.5	136.5	000.0026	-0002.4	018.3	24.32
358.0	016.5000	0220.0	061.6	133.7	000.0024	-0009.0	018.9	23.59
359.0	016.5000	0220.0	061.6	131.5	000.0023	-0012.6	019.7	22.77
000.0	016.5000	0220.6	061.7	129.3	000.0022	-0007.8	020.5	21.96
001.0	016.5000	0221.6	061.8	127.3	000.0021	0005.1	021.3	21.15
002.0	016.5000	0224.6	062.0	125.1	000.0020	0014.1	022.0	20.38
003.0	016.5000	0225.7	062.1	123.4	000.0022	0012.8	022.9	20.02
004.0	016.5000	0227.5	062.3	121.8	000.0023	0015.8	023.7	19.70
005.0	016.5000	0229.8	062.5	120.2	000.0025	0022.4	024.6	19.36
006.0	016.5000	0232.6	062.7	118.7	000.0026	0030.6	025.5	19.17
007.0	016.5000	0233.8	062.8	117.6	000.0027	0035.4	026.5	19.85
008.0	016.5000	0236.4	063.0	116.4	000.0029	0035.7	027.5	19.52
009.0	016.5000	0238.5	063.2	115.4	000.0030	0037.7	028.5	19.55
010.0	016.5000	0239.8	063.3	114.6	000.0030	0040.0	029.5	19.57
011.0	016.5000	0240.0	063.3	114.0	000.0031	0040.9	030.6	19.25
012.0	016.5000	0240.9	063.4	113.5	000.0031	0041.3	031.6	18.88
013.0	016.5000	0241.5	063.5	113.0	000.0031	0041.0	032.7	18.41
014.0	016.5000	0243.6	063.6	112.4	000.0032	0041.4	033.8	18.10
015.0	016.5000	0244.7	063.7	112.0	000.0032	0043.8	034.9	18.16
016.0	016.5000	0246.1	063.8	111.6	000.0032	0046.1	036.0	18.20
017.0	016.5000	0246.2	063.8	111.5	000.0032	0047.4	037.1	18.00
018.0	016.5000	0246.6	063.9	111.3	000.0032	0048.5	038.2	17.79
019.0	016.5000	0248.3	064.0	111.0	000.0032	0049.7	039.3	17.60
020.0	016.5000	0248.3	064.0	111.0	000.0033	0049.9	040.4	17.22
021.0	016.5000	0249.4	064.1	110.9	000.0033	0050.4	041.5	16.91
022.0	016.5000	0250.1	064.1	110.8	000.0033	0050.5	042.6	16.55
023.0	016.5000	0251.9	064.3	110.6	000.0033	0050.9	043.8	16.24
024.0	016.5000	0253.4	064.4	110.6	000.0033	0051.0	044.9	15.90
025.0	016.5000	0256.9	064.7	110.3	000.0033	0050.7	046.0	15.51
026.0	016.5000	0256.7	064.7	110.4	000.0033	0051.0	047.2	15.20
027.0	016.5000	0255.9	064.6	110.7	000.0033	0050.9	048.3	14.83
028.0	016.5000	0257.0	064.7	110.7	000.0033	0050.7	049.4	14.48
029.0	016.5000	0258.2	064.8	110.8	000.0033	0050.6	050.5	14.12
030.0	016.5000	0259.0	064.9	110.9	000.0033	0050.2	051.7	13.74
031.0	016.5000	0259.8	064.9	111.0	000.0032	0049.7	052.8	13.34
032.0	016.5000	0261.1	065.0	111.1	000.0032	0049.3	053.9	12.95
033.0	016.5000	0262.7	065.2	111.2	000.0032	0048.9	055.1	12.56
034.0	016.5000	0262.6	065.2	111.5	000.0032	0047.4	056.2	12.05
035.0	016.5000	0264.3	065.3	111.6	000.0032	0046.5	057.3	11.62
036.0	016.5000	0265.3	065.4	111.8	000.0032	0045.2	058.4	11.15
037.0	016.5000	0265.5	065.4	112.0	000.0032	0043.7	059.6	10.66
038.0	016.5000	0267.2	065.5	112.2	000.0032	0042.6	060.7	10.23
039.0	016.5000	0268.2	065.6	112.4	000.0032	0041.3	061.8	09.81
040.0	016.5000	0269.0	065.7	112.7	000.0032	0041.0	062.9	09.49
041.0	016.5000	0270.3	065.8	112.9	000.0031	0040.9	064.1	09.20
042.0	016.5000	0271.7	065.9	113.1	000.0031	0041.2	065.2	08.97
043.0	016.5000	0273.1	066.0	113.4	000.0031	0041.4	066.3	08.72
044.0	016.5000	0274.1	066.1	113.6	000.0031	0041.2	067.4	08.44
045.0	016.5000	0274.8	066.1	113.9	000.0031	0040.9	068.5	08.15
046.0	016.5000	0275.3	066.2	114.3	000.0031	0040.8	069.6	07.88
047.0	016.5000	0277.3	066.3	114.5	000.0031	0040.3	070.7	07.58

Modification of W256BQ for WGPA

FMCommander Single Allocation Study - 01-29-2016 - NED 03 SEC
W256BQ's Overlaps (In= 2.7 km, Out= 1.14 km)

W256BQ CH 227 D DA
Lat= 40 37 27.0, Lng= 75 21 19.0
0.25 kW 31.5 m HAAT, 167 m COR
Prot.= 60 dBu, Intef.= 100 dBu

W224AU CH 224 D DA BLFT19951106TF
Lat= 40 34 20.0, Lng= 75 25 51.0
0.008 kW 174 m HAAT, 325 m COR
Prot.= 60 dBu, Intef.= 100 dBu



01-29-2016

Terrain Data: NED 03 SEC

FMOver Analysis

W256BQ

W224AU BLFT19951106TF

Channel = 227D
 Max ERP = 0.25 kW
 RCAMSL = 167 m
 N. Lat. 40 37 27.0
 W. Lng. 75 21 19.0
 Protected
 60 dBu

Channel = 224D
 Max ERP = 0.008 kW
 RCAMSL = 325 m
 N. Lat. 40 34 20.0
 W. Lng. 75 25 51.0
 Interfering
 100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
168.0	000.0019	0006.1	002.1	061.6	000.0031	0167.1	007.8	54.29	
169.0	000.0018	0007.7	002.1	061.4	000.0031	0167.4	007.7	54.41	
170.0	000.0018	0006.2	002.1	061.3	000.0031	0167.7	007.7	54.52	
171.0	000.0018	0001.7	002.1	061.1	000.0031	0168.1	007.7	54.64	
172.0	000.0017	0000.6	002.1	060.9	000.0032	0168.6	007.6	54.77	
173.0	000.0017	0001.1	002.1	060.7	000.0032	0169.0	007.6	54.89	
174.0	000.0016	-0001.0	002.1	060.5	000.0032	0169.4	007.6	55.01	
175.0	000.0016	-0005.5	002.0	060.3	000.0032	0169.8	007.5	55.12	
176.0	000.0016	-0008.2	002.1	060.3	000.0032	0169.9	007.5	55.22	
177.0	000.0017	-0007.8	002.1	060.2	000.0032	0170.0	007.5	55.31	
178.0	000.0017	-0007.7	002.1	060.2	000.0032	0170.1	007.4	55.42	
179.0	000.0018	-0003.4	002.1	060.2	000.0033	0170.4	007.4	55.53	
180.0	000.0018	0001.3	002.1	060.1	000.0033	0170.8	007.4	55.64	
181.0	000.0018	0004.1	002.1	060.0	000.0033	0171.3	007.3	55.77	
182.0	000.0019	0007.0	002.1	060.0	000.0033	0172.1	007.3	55.91	
183.0	000.0019	0007.2	002.1	059.9	000.0033	0172.9	007.2	56.04	
184.0	000.0020	0008.3	002.2	059.8	000.0033	0173.8	007.2	56.19	
185.0	000.0020	0009.9	002.2	059.7	000.0033	0174.9	007.2	56.33	
186.0	000.0023	0013.1	002.2	059.9	000.0033	0172.7	007.1	56.37	
187.0	000.0025	0014.6	002.3	060.1	000.0033	0171.0	007.0	56.42	
188.0	000.0028	0015.4	002.3	060.2	000.0032	0170.1	007.0	56.51	
189.0	000.0030	0016.9	002.4	060.3	000.0032	0169.7	006.9	56.62	
190.0	000.0033	0018.1	002.4	060.4	000.0032	0169.5	006.8	56.75	
191.0	000.0036	0020.6	002.5	060.5	000.0032	0169.4	006.8	56.89	
192.0	000.0039	0024.0	002.5	060.5	000.0032	0169.3	006.7	57.04	
193.0	000.0042	0025.5	002.6	060.6	000.0032	0169.2	006.7	57.19	
194.0	000.0046	0025.0	002.6	060.6	000.0032	0169.2	006.6	57.35	
195.0	000.0049	0024.4	002.7	060.6	000.0032	0169.2	006.5	57.52	
196.0	000.0053	0024.4	002.7	060.7	000.0032	0169.1	006.5	57.69	
197.0	000.0058	0024.4	002.8	060.7	000.0032	0169.1	006.4	57.87	
198.0	000.0062	0021.5	002.8	060.7	000.0032	0169.1	006.3	58.06	
199.0	000.0067	0017.0	002.9	060.6	000.0032	0169.2	006.2	58.26	
200.0	000.0072	0013.4	002.9	060.5	000.0032	0169.3	006.2	58.46	
201.0	000.0077	0009.9	003.0	060.4	000.0032	0169.5	006.1	58.66	
202.0	000.0083	0004.9	003.0	060.3	000.0032	0169.8	006.0	58.88	
203.0	000.0088	-0001.1	003.1	060.2	000.0032	0170.1	006.0	59.12	
204.0	000.0094	-0006.8	003.1	060.1	000.0033	0170.9	005.9	59.37	
205.0	000.0100	-0007.8	003.2	059.9	000.0033	0172.4	005.8	59.67	
206.0	000.0108	-0005.5	003.2	059.8	000.0033	0173.5	005.7	59.96	
207.0	000.0117	-0003.8	003.3	059.7	000.0033	0175.0	005.7	60.27	
208.0	000.0125	-0002.8	003.3	059.5	000.0033	0176.5	005.6	60.57	
209.0	000.0135	0001.5	003.4	059.3	000.0033	0177.7	005.5	60.87	
210.0	000.0144	0004.4	003.4	059.0	000.0033	0179.0	005.4	61.16	
211.0	000.0154	0007.1	003.5	058.7	000.0034	0180.3	005.4	61.45	
212.0	000.0164	0009.5	003.6	058.4	000.0034	0181.9	005.3	61.77	
213.0	000.0174	0010.2	003.6	058.1	000.0034	0184.3	005.2	62.10	
214.0	000.0185	0010.0	003.7	057.7	000.0034	0187.2	005.1	62.45	
215.0	000.0196	0009.3	003.7	057.3	000.0035	0190.4	005.0	62.81	
216.0	000.0210	0003.4	003.8	056.8	000.0035	0193.4	005.0	63.18	
217.0	000.0225	0000.3	003.8	056.4	000.0035	0195.4	004.9	63.52	
218.0	000.0240	0002.2	003.9	055.8	000.0036	0195.6	004.8	63.81	
219.0	000.0256	0002.4	004.0	055.3	000.0036	0196.7	004.7	64.12	
220.0	000.0272	-0000.8	004.0	054.6	000.0037	0197.2	004.6	64.42	
221.0	000.0289	-0006.6	004.1	054.0	000.0037	0197.9	004.6	64.74	
222.0	000.0306	-0014.7	004.2	053.2	000.0038	0201.0	004.5	65.13	

223.0	000.0324	-0025.9	004.2	052.5	000.0038	0205.1	004.4	65.53
224.0	000.0342	-0039.6	004.3	051.6	000.0039	0207.8	004.4	65.90
225.0	000.0361	-0050.0	004.3	050.7	000.0040	0210.1	004.3	66.24
226.0	000.0382	-0058.1	004.4	049.8	000.0040	0209.5	004.2	66.53
227.0	000.0404	-0058.7	004.4	048.7	000.0041	0210.0	004.2	66.82
228.0	000.0426	-0049.7	004.5	047.7	000.0042	0212.6	004.1	67.16
229.0	000.0449	-0039.6	004.6	046.5	000.0043	0213.3	004.0	67.48
230.0	000.0473	-0029.1	004.6	045.3	000.0044	0214.6	004.0	67.80
231.0	000.0497	-0018.7	004.7	044.1	000.0044	0216.9	003.9	68.13
232.0	000.0522	-0008.5	004.8	042.7	000.0045	0214.6	003.9	68.35
233.0	000.0548	0002.1	004.8	041.3	000.0046	0212.2	003.8	68.54
234.0	000.0574	0017.4	004.9	039.9	000.0048	0209.9	003.8	68.72
235.0	000.0600	0030.4	005.0	038.3	000.0049	0210.7	003.7	69.06
236.0	000.0630	0038.0	005.6	033.1	000.0053	0207.3	003.1	71.50
237.0	000.0660	0042.1	006.0	028.5	000.0056	0214.2	002.9	73.09
238.0	000.0692	0040.3	005.9	027.3	000.0057	0214.8	003.0	72.74
239.0	000.0724	0035.5	005.6	028.4	000.0056	0214.3	003.3	71.45
240.0	000.0756	0033.0	005.5	028.2	000.0057	0214.7	003.4	70.85
241.0	000.0790	0031.2	005.4	027.6	000.0057	0215.0	003.6	70.46
242.0	000.0824	0032.2	005.5	025.1	000.0059	0214.4	003.5	70.79
243.0	000.0858	0032.7	005.6	022.8	000.0061	0215.8	003.5	71.03
244.0	000.0894	0029.9	005.5	023.3	000.0061	0216.0	003.7	70.32
245.0	000.0930	0030.9	005.6	020.8	000.0063	0214.4	003.6	70.54
246.0	000.0964	0035.4	006.0	014.9	000.0067	0214.9	003.4	71.58
247.0	000.0999	0039.7	006.4	008.1	000.0072	0208.6	003.3	72.29
248.0	000.1034	0044.4	006.9	000.3	000.0077	0202.0	003.2	72.78
249.0	000.1069	0055.2	007.8	343.4	000.0080	0213.0	003.1	73.57
250.0	000.1106	0067.2	008.7	327.4	000.0079	0217.5	003.3	72.81
251.0	000.1142	0077.4	009.4	317.1	000.0075	0211.4	003.7	71.06
252.0	000.1180	0081.1	009.7	314.2	000.0073	0211.6	004.0	69.97
253.0	000.1218	0081.8	009.8	313.8	000.0073	0212.2	004.2	69.27
254.0	000.1257	0079.5	009.8	315.7	000.0074	0211.7	004.3	68.93
255.0	000.1296	0074.9	009.6	319.1	000.0076	0213.6	004.4	68.92
256.0	000.1351	0068.8	009.3	323.4	000.0078	0216.7	004.4	68.98
257.0	000.1406	0063.7	009.0	327.1	000.0079	0217.7	004.5	68.89
258.0	000.1463	0062.2	009.0	327.9	000.0079	0216.4	004.6	68.43
259.0	000.1521	0063.3	009.2	326.6	000.0079	0217.1	004.8	67.82
260.0	000.1580	0064.0	009.3	325.8	000.0079	0218.2	005.0	67.26
261.0	000.1640	0064.2	009.4	325.6	000.0079	0218.3	005.2	66.74
262.0	000.1702	0062.1	009.4	326.9	000.0079	0217.4	005.3	66.39
263.0	000.1764	0060.8	009.4	327.7	000.0079	0216.8	005.5	66.00
264.0	000.1828	0060.1	009.4	328.1	000.0079	0215.7	005.6	65.54
265.0	000.1892	0059.6	009.5	328.4	000.0079	0215.2	005.8	65.08
266.0	000.1936	0059.2	009.5	328.9	000.0080	0215.4	006.0	64.69
267.0	000.1980	0059.0	009.5	329.3	000.0080	0215.1	006.1	64.27
268.0	000.2025	0053.4	009.1	333.5	000.0080	0227.3	006.1	64.77
269.0	000.2070	0054.9	009.3	332.6	000.0080	0218.7	006.3	63.94
270.0	000.2116	0059.0	009.7	330.2	000.0080	0215.4	006.6	63.03
271.0	000.2162	0060.2	009.8	329.8	000.0080	0214.8	006.9	62.49
272.0	000.2209	0061.4	010.0	329.6	000.0080	0214.9	007.1	61.98
273.0	000.2256	0063.6	010.2	329.0	000.0080	0215.4	007.4	61.41
274.0	000.2304	0065.3	010.4	328.7	000.0080	0215.2	007.6	60.87
275.0	000.2352	0062.3	010.2	330.4	000.0080	0215.2	007.7	60.78
276.0	000.2367	0056.7	009.8	333.8	000.0080	0228.8	007.6	61.46
277.0	000.2381	0054.7	009.6	335.5	000.0080	0231.8	007.6	61.46
278.0	000.2396	0055.8	009.7	335.4	000.0080	0231.8	007.8	61.04
279.0	000.2411	0056.8	009.8	335.5	000.0080	0231.8	008.0	60.66
280.0	000.2426	0056.5	009.8	336.2	000.0080	0230.4	008.2	60.34
281.0	000.2440	0056.4	009.8	336.9	000.0080	0228.4	008.3	59.99
282.0	000.2455	0057.1	009.9	337.1	000.0080	0227.8	008.5	59.62
283.0	000.2470	0058.5	010.0	337.1	000.0080	0227.8	008.7	59.21
284.0	000.2485	0059.3	010.1	337.3	000.0080	0227.0	008.9	58.83
285.0	000.2500	0059.3	010.1	337.9	000.0080	0226.7	009.1	58.54
286.0	000.2485	0060.0	010.2	338.4	000.0080	0226.4	009.2	58.23
287.0	000.2470	0061.2	010.2	338.7	000.0080	0225.8	009.4	57.87

Channel = 224D
 Max ERP = 0.008 kW
 RCAMSL = 325 m
 N. Lat. 40 34 20.0
 W. Lng. 75 25 51.0
 Protected
 60 dBu

Channel = 227D
 Max ERP = 0.25 kW
 RCAMSL = 167 m
 N. Lat. 40 37 27.0
 W. Lng. 75 21 19.0
 Interfering
 100 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
348.0	000.0080	0205.3	007.8	283.4	000.2476	0058.9	008.2	63.32	
349.0	000.0080	0204.3	007.8	283.7	000.2480	0059.0	008.1	63.60	
350.0	000.0080	0202.4	007.8	283.8	000.2482	0059.1	008.0	63.87	
351.0	000.0080	0202.5	007.8	284.1	000.2487	0059.4	007.8	64.18	
352.0	000.0079	0204.5	007.8	284.8	000.2496	0059.4	007.7	64.43	
353.0	000.0079	0204.4	007.8	285.1	000.2499	0059.4	007.6	64.70	
354.0	000.0079	0205.4	007.8	285.5	000.2492	0059.7	007.5	65.01	
355.0	000.0078	0200.8	007.7	285.2	000.2497	0059.4	007.3	65.36	
356.0	000.0078	0198.2	007.7	285.1	000.2499	0059.4	007.2	65.70	
357.0	000.0078	0197.3	007.6	285.2	000.2497	0059.5	007.0	66.04	
358.0	000.0077	0200.0	007.7	285.9	000.2486	0059.9	006.9	66.36	
359.0	000.0077	0201.0	007.7	286.3	000.2480	0060.7	006.8	66.78	
000.0	000.0077	0201.6	007.7	286.7	000.2474	0060.9	006.7	67.13	
001.0	000.0076	0202.8	007.7	287.1	000.2469	0061.3	006.5	67.52	
002.0	000.0076	0202.4	007.7	287.2	000.2467	0061.3	006.4	67.89	
003.0	000.0075	0202.4	007.7	287.4	000.2465	0061.2	006.3	68.26	
004.0	000.0074	0203.3	007.7	287.7	000.2460	0061.0	006.1	68.61	
005.0	000.0074	0204.6	007.7	288.0	000.2455	0060.7	006.0	68.95	
006.0	000.0073	0207.5	007.7	288.7	000.2445	0058.8	005.9	69.05	
007.0	000.0073	0207.8	007.7	288.9	000.2442	0058.4	005.7	69.41	
008.0	000.0072	0208.6	007.7	289.1	000.2439	0057.7	005.6	69.73	
009.0	000.0071	0209.7	007.7	289.4	000.2434	0057.8	005.5	70.19	
010.0	000.0071	0210.6	007.7	289.6	000.2431	0057.8	005.4	70.62	
011.0	000.0070	0211.1	007.7	289.7	000.2429	0057.8	005.2	71.08	
012.0	000.0069	0212.0	007.7	289.9	000.2427	0057.9	005.1	71.54	
013.0	000.0068	0213.3	007.7	290.1	000.2424	0057.8	005.0	71.98	
014.0	000.0068	0214.2	007.7	290.2	000.2422	0057.9	004.8	72.47	
015.0	000.0067	0215.0	007.7	290.3	000.2421	0058.0	004.7	72.95	
016.0	000.0066	0215.6	007.6	290.3	000.2421	0058.0	004.5	73.45	
017.0	000.0066	0215.2	007.6	290.0	000.2425	0057.8	004.4	73.94	
018.0	000.0065	0215.1	007.6	289.8	000.2429	0057.8	004.3	74.48	
019.0	000.0064	0214.7	007.6	289.3	000.2435	0057.9	004.1	75.04	
020.0	000.0063	0213.8	007.5	288.8	000.2444	0058.7	004.0	75.73	
021.0	000.0063	0214.6	007.5	288.5	000.2448	0059.3	003.9	76.40	
022.0	000.0062	0215.2	007.5	288.1	000.2453	0060.6	003.8	77.16	
023.0	000.0061	0215.9	007.5	287.7	000.2459	0060.9	003.6	77.81	
024.0	000.0060	0216.0	007.4	287.1	000.2468	0061.3	003.5	78.47	
025.0	000.0059	0214.6	007.4	286.0	000.2486	0059.9	003.4	78.93	
026.0	000.0058	0214.2	007.4	285.0	000.2500	0059.3	003.3	79.47	
027.0	000.0058	0214.7	007.3	284.2	000.2487	0059.4	003.1	80.11	
028.0	000.0057	0214.9	007.3	283.2	000.2473	0058.6	003.0	80.65	
029.0	000.0056	0213.0	007.3	281.3	000.2445	0056.6	002.9	80.96	
030.0	000.0055	0209.8	007.2	278.9	000.2409	0056.7	002.8	81.50	
031.0	000.0054	0208.1	007.1	276.8	000.2379	0054.6	002.7	81.76	
032.0	000.0054	0208.8	007.1	275.4	000.2358	0060.2	002.6	83.21	
033.0	000.0053	0207.4	007.0	273.0	000.2257	0063.6	002.5	83.97	
034.0	000.0052	0208.1	007.0	271.2	000.2172	0060.2	002.4	84.18	
035.0	000.0051	0209.4	007.0	269.4	000.2089	0057.2	002.3	84.44	
036.0	000.0050	0211.4	007.0	267.7	000.2012	0055.1	002.2	84.82	
037.0	000.0050	0212.3	007.0	265.4	000.1908	0059.2	002.2	85.80	
038.0	000.0049	0211.4	007.0	262.3	000.1718	0061.6	002.1	86.05	
039.0	000.0048	0209.6	006.9	258.7	000.1504	0062.9	002.1	85.90	
040.0	000.0047	0210.1	006.9	255.7	000.1333	0070.7	002.0	86.45	
041.0	000.0047	0211.8	006.9	252.8	000.1209	0081.9	001.9	87.34	
042.0	000.0046	0213.3	006.9	249.6	000.1090	0062.0	001.9	85.96	
043.0	000.0045	0215.2	006.9	246.2	000.0972	0036.4	001.8	81.39	
044.0	000.0045	0216.8	006.9	242.6	000.0846	0032.3	001.8	80.05	
045.0	000.0044	0215.7	006.8	238.6	000.0709	0037.6	001.8	80.56	
046.0	000.0043	0213.1	006.8	234.5	000.0587	0024.7	001.9	77.30	

047.0	000.0042	0213.0	006.7	230.8	000.0492	-0020.8	001.9	76.36
048.0	000.0042	0212.1	006.7	227.2	000.0409	-0057.0	001.9	75.19
049.0	000.0041	0209.6	006.6	223.9	000.0341	-0038.7	002.0	73.73
050.0	000.0040	0209.6	006.6	220.8	000.0285	-0005.2	002.0	72.57
051.0	000.0040	0209.7	006.6	217.9	000.0238	0001.8	002.1	71.29
052.0	000.0039	0206.4	006.5	215.5	000.0203	0006.4	002.2	69.67
053.0	000.0038	0202.4	006.4	213.5	000.0180	0010.2	002.3	68.14
054.0	000.0037	0197.8	006.3	211.9	000.0163	0009.4	002.5	66.66
055.0	000.0036	0196.9	006.2	210.1	000.0145	0004.7	002.5	65.49
056.0	000.0036	0195.3	006.2	208.5	000.0130	-0000.4	002.6	64.29
057.0	000.0035	0192.3	006.1	207.3	000.0119	-0003.9	002.8	63.08
058.0	000.0034	0185.1	006.0	206.9	000.0115	-0003.9	002.9	61.83
059.0	000.0033	0179.3	005.8	206.3	000.0111	-0004.8	003.1	60.75
060.0	000.0033	0171.8	005.7	206.2	000.0110	-0005.1	003.3	59.76
061.0	000.0031	0168.4	005.6	205.9	000.0108	-0005.7	003.4	58.89
062.0	000.0030	0166.6	005.5	205.5	000.0104	-0006.6	003.5	58.10
063.0	000.0029	0167.5	005.4	204.8	000.0099	-0008.0	003.6	57.39
064.0	000.0028	0166.3	005.4	204.5	000.0097	-0007.9	003.8	56.71
065.0	000.0026	0167.7	005.3	203.8	000.0093	-0006.1	003.9	56.10
066.0	000.0025	0174.3	005.3	202.5	000.0086	0001.7	003.9	55.55
067.0	000.0024	0179.1	005.3	201.6	000.0081	0007.1	004.0	54.98
068.0	000.0023	0180.1	005.3	201.3	000.0079	0008.4	004.1	54.42
069.0	000.0022	0185.9	005.3	200.5	000.0075	0011.9	004.2	53.87
070.0	000.0021	0191.6	005.3	199.8	000.0071	0013.9	004.2	53.33
071.0	000.0020	0196.8	005.3	198.9	000.0067	0017.5	004.3	52.79
072.0	000.0020	0199.2	005.3	198.3	000.0064	0020.0	004.4	52.27
073.0	000.0019	0191.1	005.1	199.0	000.0067	0016.9	004.5	51.92
074.0	000.0019	0190.2	005.1	198.9	000.0067	0017.2	004.6	51.51
075.0	000.0018	0196.7	005.1	198.1	000.0063	0021.2	004.7	51.02
076.0	000.0018	0195.8	005.0	198.0	000.0063	0021.3	004.8	50.66
077.0	000.0017	0184.2	004.9	199.1	000.0068	0016.4	005.0	50.49
078.0	000.0016	0170.2	004.7	200.6	000.0075	0011.7	005.1	50.36
079.0	000.0016	0167.8	004.6	200.8	000.0077	0010.6	005.2	50.08
080.0	000.0015	0172.1	004.6	200.3	000.0074	0012.5	005.3	49.71
081.0	000.0015	0172.2	004.6	200.2	000.0073	0012.7	005.4	49.40
082.0	000.0015	0170.5	004.5	200.4	000.0074	0012.3	005.5	49.14
083.0	000.0014	0171.6	004.5	200.2	000.0073	0012.7	005.6	48.84
084.0	000.0014	0168.8	004.4	200.5	000.0075	0012.0	005.7	48.61
085.0	000.0013	0164.4	004.3	201.0	000.0077	0010.0	005.8	48.43
086.0	000.0013	0163.7	004.3	201.1	000.0078	0009.6	005.9	48.19
087.0	000.0013	0156.7	004.2	201.9	000.0082	0005.5	006.0	48.08
088.0	000.0012	0156.3	004.1	202.0	000.0083	0005.0	006.1	47.86
089.0	000.0012	0164.1	004.2	201.2	000.0078	0009.0	006.1	47.51
090.0	000.0012	0169.8	004.2	200.7	000.0076	0011.4	006.2	47.20
091.0	000.0011	0175.7	004.2	200.3	000.0074	0012.6	006.2	46.90
092.0	000.0011	0179.6	004.2	200.1	000.0073	0013.1	006.3	46.64
093.0	000.0010	0183.2	004.2	200.0	000.0072	0013.5	006.4	46.41
094.0	000.0010	0184.4	004.2	200.1	000.0073	0013.2	006.5	46.23
095.0	000.0010	0182.9	004.1	200.4	000.0074	0012.3	006.5	46.10
096.0	000.0009	0183.6	004.1	200.5	000.0075	0011.9	006.6	45.95
097.0	000.0009	0185.3	004.0	200.7	000.0076	0011.5	006.7	45.79
098.0	000.0009	0188.3	004.0	200.7	000.0076	0011.3	006.8	45.61
099.0	000.0009	0192.9	004.0	200.7	000.0076	0011.5	006.8	45.42
100.0	000.0008	0192.6	004.0	200.9	000.0077	0010.2	006.9	45.30
101.0	000.0008	0193.7	003.9	201.1	000.0078	0009.3	007.0	45.17
102.0	000.0008	0194.3	003.9	201.4	000.0079	0008.1	007.1	45.06
103.0	000.0007	0197.3	003.9	201.5	000.0080	0007.7	007.1	44.92
104.0	000.0007	0198.6	003.8	201.7	000.0081	0006.5	007.2	44.81
105.0	000.0007	0195.9	003.8	202.2	000.0084	0003.7	007.3	44.77
106.0	000.0006	0192.9	003.7	202.7	000.0087	0000.7	007.4	44.74
107.0	000.0006	0188.5	003.6	203.3	000.0090	-0002.8	007.4	44.73