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Allocation Channel Study - Contour Distances Are at Closest Points

The Florida Institute Of Technology

REFERENCE
28 03 51.0 N.
80 37 25.0 W.

CH# 208A - 89.5 MHz, Pwr= 4.7 kW DA, HAAT= 45.0 M, COR= 47 M
Average Protected F(50-50)= 18.29 km
Standard Directional

DISPLAY DATES
DATA 10-22-09
SEARCH 10-26-09

CH CITY	CALL	TYPE STATE	ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
208A	WFIT Melbourne	LIC	DEN FL	0.0 0.0	0.0 BLED19981013KL	28 03 51.0 80 37 25.0	4.600 45	62.1 47	16.3 The Florida Institute Of T	-78.5*	-78.8*
06-3C	WKMG-TV Orlando	LI	_HY FL	322.5 142.3	75.3 BMLCT20040929ABF	28 36 07.0 81 05 37.0	100.000 445	10.1 458	115.4 Post-newsweek Stations, Or	195.5R	-50.2M **
209A	990730MB Merri tt Island	APP	DVX FL	2.8 182.8	30.4 BPED19990730MB	28 20 17.0 80 36 30.0	0.750 40	6.5 41	4.6 Central Florida Educationa	6.2	0.0
209A	990730MB Merri tt Island Vertical pol ori zation only	APP	DVN FL	2.8 182.8	30.4 BPED19990730MB	28 20 17.0 80 36 30.0	0.750 40	6.5 41	4.6 Central Florida Educationa	6.2	0.0
209A	990730MB Merri tt Island	APP	ZVX FL	2.8 182.8	30.4 BPED19990730MB	28 20 17.0 80 36 30.0	0.750 40	6.5 41	4.6 Central Florida Educationa	6.2	0.0
208B1	1210357 Tayl or Creek	APP	DCX FL	207.1 26.9	84.6 BNPED20071018AKI	27 23 06.0 81 00 52.0	21.000 87	60.1 98	17.9 Faith Baptist Church Of Fo	8.2	0.1
209A	990121MA Cocoa Beach Vertical Polari zation Only	APP	_VN FL	0.0 180.0	32.8 BPED19990121MA	28 21 36.0 80 37 24.0	0.190 40	10.8 40	7.6 Csn International	4.5	0.2
209A	990730MD Merri tt Island Vertical Pol ori zation Only	APP	_VN FL	0.0 180.0	32.8 BPED19990730MD	28 21 36.0 80 37 24.0	0.190 40	10.8 40	7.6 Merri tt Island Public Radi	4.5	0.2
209A	990730MA Cocoa Beach Vertical pol ori zation only	APP	_VN FL	0.0 180.0	32.8 BPED19990730MA	28 21 36.0 80 37 24.0	0.190 39	10.8 40	7.6 Black Medi a Works, Inc.	4.5	0.2
209A	990121MA Cocoa Beach	APP	_VX FL	0.0 180.0	32.8 BPED19990121MA	28 21 36.0 80 37 24.0	0.190 40	10.8 40	7.6 Csn International	4.5	0.2
208A	1209789 Okeechobee	APP	DVX FL	198.7 18.6	95.9 BNPED20071019ATK	27 14 40.2 80 56 09.2	4.200 90	78.9 98	24.6 Emmaus Broadcasting Servic	0.9	4.9
207C3	WPIO Titusville	APP	_CX FL	338.9 158.8	61.4 BPED20090904ADE	28 34 49.0 80 51 00.0	7.100 102	44.7 105	28.8 Flori da Public Radi o, Inc.	1.5	10.3
207C3	WPIO Titusville	LIC	_EX FL	338.9 158.8	61.4 BLED20050822BLF	28 34 49.0 80 51 00.0	7.100 102	44.7 105	28.8 Flori da Public Radi o, Inc.	1.5	10.3
208C3	1213714 Cypress Quarters	APP	DCX FL	202.1 21.9	85.8 BNPED20071022BLK	27 20 50.0 80 57 04.0	19.000 60	60.8 80	17.4 Westmin ster Academy	8.8	1.9
205C1	WQCS Fort Pierce	LIC	_CN FL	159.7 339.9	75.9 BLED19860414KD	27 25 17.0 80 21 23.0	100.000 133	6.6 137	55.3 Indian River State Colleg	53.2	19.1

Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone = 2, 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.
*** Protection to analog channel-six TV is no longer required.

HOW TO READ THE FM COMPUTER PRINT-OUT

Full Service Stations

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

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

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

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

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

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

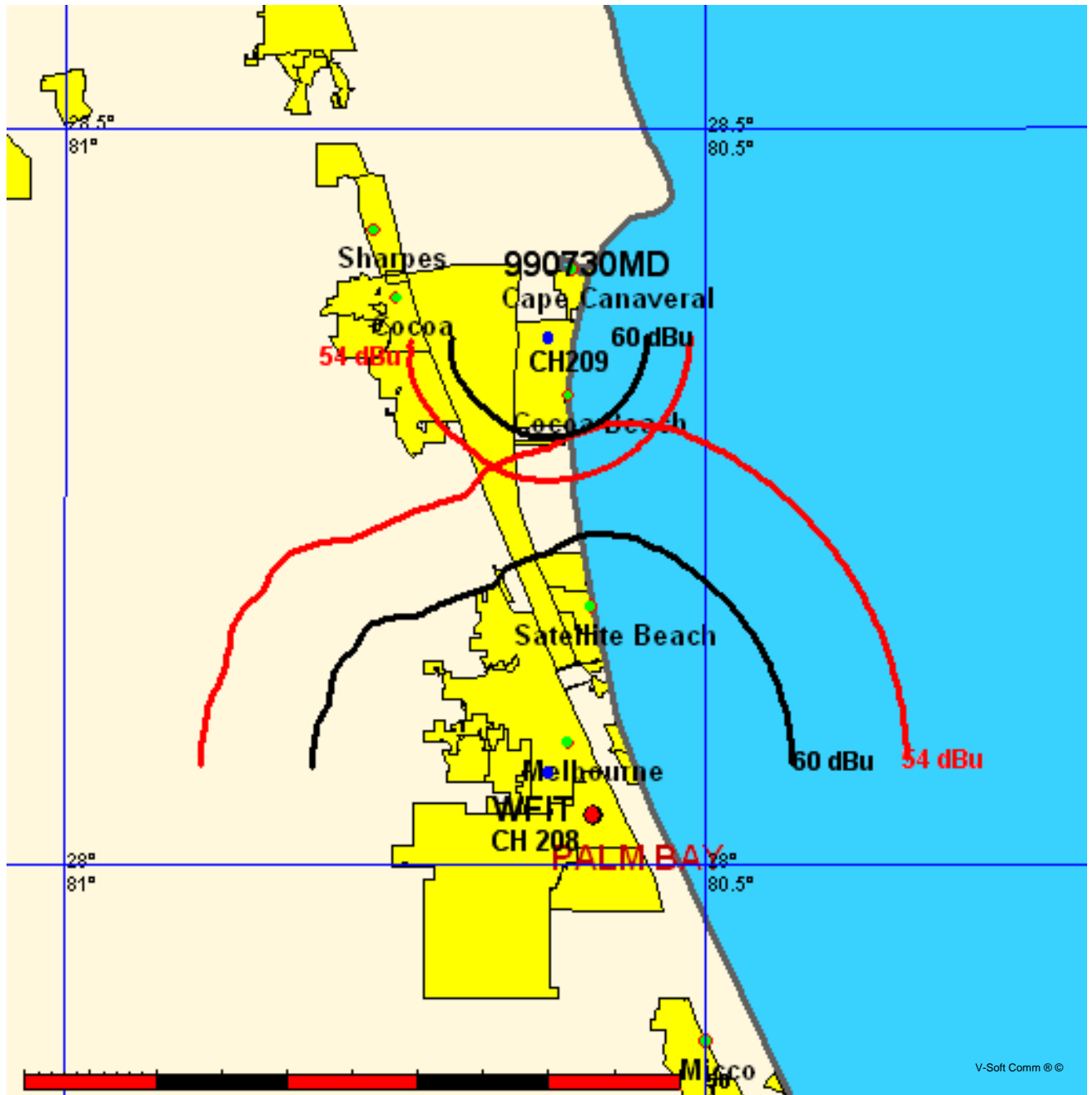
The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will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

Allocation Map
The Florida Institute Of Technology

FMCommander Single Allocation Study - 10-26-2009 - FCC NGDC 30 Sec
WFIT's Overlaps (In= 4.46 km, Out= 0.17 km)

WFIT CH 208 A DA
Lat= 28 03 51.0, Lng= 80 37 25.0
4.7 kW 45 M HAAT, 47 M COR
Prot.= 60 dBu, Intef.= 54 dBu

990730MD CH 209 A BPED19990730MD
Lat= 28 21 36.0, Lng= 80 37 24.0
0.19 kW 40 M HAAT, 40 M COR
Prot.= 60 dBu, Intef.= 54 dBu



10-26-2009

FCC NGDC 30 Sec Terrain Data

FMOver Analysis

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Protected

60 dBu

990730MD BPED19990730MD

Channel = 209A

Max ERP = 0.19 kW

RCAMSL = 40 M

N. Lat. 28 21 36.0

W. Lng. 80 37 24.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
300.0	004.7000	0041.9	017.6	212.3	000.1900	0036.8	028.5	37.37	
301.0	004.6718	0041.5	017.4	212.1	000.1900	0036.8	028.2	37.55	
302.0	004.6438	0041.3	017.4	212.0	000.1900	0036.8	027.9	37.73	
303.0	004.6158	0041.5	017.4	212.0	000.1900	0036.8	027.6	37.91	
304.0	004.5879	0041.9	017.4	212.1	000.1900	0036.8	027.3	38.09	
305.0	004.5601	0042.3	017.5	212.2	000.1900	0036.8	026.9	38.28	
306.0	004.5323	0042.5	017.5	212.2	000.1900	0036.8	026.6	38.47	
307.0	004.5047	0042.5	017.5	212.1	000.1900	0036.8	026.3	38.67	
308.0	004.4771	0042.4	017.5	211.9	000.1900	0036.8	026.0	38.86	
309.0	004.4496	0042.2	017.4	211.7	000.1900	0036.8	025.7	39.07	
310.0	004.4222	0041.9	017.3	211.4	000.1900	0036.9	025.5	39.27	
311.0	004.3405	0041.6	017.1	210.9	000.1900	0037.0	025.2	39.47	
312.0	004.2596	0041.3	017.0	210.4	000.1900	0037.1	024.9	39.68	
313.0	004.1795	0040.9	016.8	209.9	000.1900	0037.3	024.7	39.89	
314.0	004.1001	0040.5	016.6	209.3	000.1900	0037.4	024.4	40.09	
315.0	004.0214	0040.1	016.4	208.7	000.1900	0037.6	024.2	40.30	
316.0	003.9436	0039.5	016.2	208.0	000.1900	0037.9	024.0	40.49	
317.0	003.8665	0038.9	015.9	207.2	000.1900	0038.1	023.8	40.67	
318.0	003.7901	0038.2	015.7	206.4	000.1900	0038.2	023.6	40.83	
319.0	003.7145	0037.6	015.5	205.7	000.1900	0038.3	023.5	40.97	
320.0	003.6397	0037.2	015.3	205.1	000.1900	0038.3	023.3	41.10	
321.0	003.5984	0037.0	015.2	204.6	000.1900	0038.3	023.1	41.25	
322.0	003.5574	0037.0	015.2	204.2	000.1900	0038.3	022.9	41.40	
323.0	003.5167	0037.0	015.1	203.7	000.1900	0038.3	022.7	41.57	
324.0	003.4761	0037.0	015.1	203.3	000.1900	0038.4	022.5	41.74	
325.0	003.4358	0037.0	015.0	202.8	000.1900	0038.4	022.3	41.90	
326.0	003.3957	0037.0	015.0	202.4	000.1900	0038.5	022.1	42.07	
327.0	003.3559	0037.0	015.0	201.9	000.1900	0038.6	021.9	42.23	
328.0	003.3163	0037.0	014.9	201.4	000.1900	0038.7	021.7	42.39	
329.0	003.2770	0037.0	014.9	200.9	000.1900	0038.7	021.5	42.54	
330.0	003.2378	0037.0	014.8	200.4	000.1900	0038.7	021.3	42.67	
331.0	003.2145	0037.0	014.8	199.9	000.1900	0038.7	021.2	42.81	
332.0	003.1912	0037.0	014.8	199.3	000.1900	0038.7	021.0	42.96	
333.0	003.1680	0037.0	014.7	198.8	000.1900	0038.9	020.8	43.13	
334.0	003.1449	0037.0	014.7	198.2	000.1900	0039.1	020.7	43.30	
335.0	003.1219	0037.0	014.7	197.7	000.1900	0039.3	020.5	43.48	
336.0	003.0989	0037.0	014.7	197.1	000.1900	0039.6	020.4	43.66	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
337.0	003.0761	0037.0	014.6	196.5	000.1900	0039.8	020.2	43.83
338.0	003.0533	0037.0	014.6	195.9	000.1900	0039.9	020.1	43.97
339.0	003.0306	0037.1	014.6	195.3	000.1900	0040.0	019.9	44.10
340.0	003.0080	0037.1	014.6	194.6	000.1900	0040.0	019.8	44.21
341.0	002.9855	0037.2	014.6	194.0	000.1900	0040.0	019.7	44.32
342.0	002.9630	0037.4	014.6	193.4	000.1900	0040.0	019.5	44.43
343.0	002.9407	0037.5	014.6	192.7	000.1900	0040.0	019.4	44.54
344.0	002.9184	0038.0	014.6	192.2	000.1900	0040.0	019.2	44.69
345.0	002.8963	0039.0	014.8	191.7	000.1900	0040.0	018.9	44.91
346.0	002.8742	0040.4	015.0	191.3	000.1900	0040.0	018.6	45.18
347.0	002.8522	0041.8	015.3	190.9	000.1900	0040.0	018.3	45.48
348.0	002.8302	0043.0	015.5	190.4	000.1900	0040.0	018.0	45.71
349.0	002.8084	0043.7	015.6	189.7	000.1900	0040.0	017.8	45.89
350.0	002.7866	0044.1	015.7	188.9	000.1900	0040.0	017.6	46.01
351.0	002.8157	0044.3	015.8	188.2	000.1900	0040.0	017.5	46.16
352.0	002.8448	0044.5	015.8	187.4	000.1900	0040.0	017.3	46.30
353.0	002.8742	0044.7	015.9	186.6	000.1900	0040.0	017.1	46.43
354.0	002.9036	0044.8	016.0	185.7	000.1900	0040.0	017.0	46.53
355.0	002.9333	0044.9	016.1	184.8	000.1900	0040.0	016.9	46.64
356.0	002.9630	0045.0	016.1	183.9	000.1900	0040.0	016.8	46.73
357.0	002.9930	0045.1	016.2	183.0	000.1900	0040.0	016.7	46.82
358.0	003.0231	0045.2	016.3	182.0	000.1900	0040.0	016.6	46.90
359.0	003.0533	0045.4	016.3	181.1	000.1900	0040.0	016.5	46.98
000.0	003.0837	0045.6	016.4	180.1	000.1900	0040.0	016.4	47.06
001.0	003.1834	0045.7	016.6	179.1	000.1900	0040.0	016.2	47.21
002.0	003.2848	0045.9	016.8	178.0	000.1900	0040.0	016.1	47.35
003.0	003.3878	0046.0	017.0	176.9	000.1900	0040.0	015.9	47.48
004.0	003.4923	0046.2	017.1	175.8	000.1900	0040.0	015.8	47.60
005.0	003.5984	0046.3	017.3	174.6	000.1900	0040.0	015.7	47.71
006.0	003.7062	0046.5	017.5	173.4	000.1900	0040.0	015.5	47.80
007.0	003.8155	0046.6	017.7	172.1	000.1900	0040.0	015.4	47.89
008.0	003.9264	0046.8	017.8	170.8	000.1900	0040.0	015.4	47.95
009.0	004.0388	0046.9	018.0	169.5	000.1900	0040.0	015.3	48.00
010.0	004.1529	0046.9	018.1	168.2	000.1900	0040.0	015.3	48.02
011.0	004.2061	0047.0	018.2	167.1	000.1900	0040.0	015.4	47.97
012.0	004.2596	0047.0	018.3	165.9	000.1900	0040.0	015.4	47.90
013.0	004.3135	0047.0	018.3	164.7	000.1900	0040.0	015.5	47.82
014.0	004.3677	0047.0	018.4	163.6	000.1900	0040.0	015.6	47.73
015.0	004.4222	0047.0	018.4	162.5	000.1900	0040.0	015.7	47.62
016.0	004.4771	0047.0	018.5	161.4	000.1900	0040.0	015.9	47.51
017.0	004.5323	0047.0	018.6	160.3	000.1900	0040.0	016.0	47.39
018.0	004.5879	0047.0	018.6	159.3	000.1900	0040.0	016.2	47.26
019.0	004.6438	0047.0	018.7	158.3	000.1900	0040.0	016.3	47.12
020.0	004.7000	0047.0	018.7	157.3	000.1900	0040.0	016.5	46.97
021.0	004.7000	0047.0	018.7	156.5	000.1900	0040.0	016.7	46.78
022.0	004.7000	0047.0	018.7	155.7	000.1900	0040.0	017.0	46.58
023.0	004.7000	0047.0	018.7	155.0	000.1900	0040.0	017.2	46.37
024.0	004.7000	0047.0	018.7	154.3	000.1900	0040.0	017.5	46.16
025.0	004.7000	0047.0	018.7	153.6	000.1900	0040.0	017.7	45.95
026.0	004.7000	0047.0	018.7	152.9	000.1900	0040.0	018.0	45.73
027.0	004.7000	0047.0	018.7	152.3	000.1900	0040.0	018.2	45.51

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
028.0	004.7000	0047.0	018.7	151.7	000.1900	0040.0	018.5	45.28
029.0	004.7000	0047.0	018.7	151.2	000.1900	0040.0	018.8	45.05
030.0	004.7000	0047.0	018.7	150.7	000.1900	0040.0	019.1	44.82
031.0	004.7000	0047.0	018.7	150.2	000.1900	0040.0	019.3	44.59
032.0	004.7000	0047.0	018.7	149.7	000.1900	0040.0	019.6	44.35
033.0	004.7000	0047.0	018.7	149.3	000.1900	0040.0	019.9	44.12
034.0	004.7000	0047.0	018.7	148.9	000.1900	0040.0	020.2	43.88
035.0	004.7000	0047.0	018.7	148.5	000.1900	0040.0	020.5	43.64
036.0	004.7000	0047.0	018.7	148.2	000.1900	0040.0	020.8	43.40
037.0	004.7000	0047.0	018.7	147.9	000.1900	0040.0	021.1	43.16
038.0	004.7000	0047.0	018.7	147.6	000.1900	0040.0	021.4	42.91
039.0	004.7000	0047.0	018.7	147.3	000.1900	0040.0	021.7	42.67
040.0	004.7000	0047.0	018.7	147.0	000.1900	0040.0	022.0	42.43
041.0	004.7000	0047.0	018.7	146.8	000.1900	0040.0	022.4	42.19
042.0	004.7000	0047.0	018.7	146.6	000.1900	0040.0	022.7	41.95
043.0	004.7000	0047.0	018.7	146.4	000.1900	0040.0	023.0	41.72
044.0	004.7000	0047.0	018.7	146.2	000.1900	0040.0	023.3	41.48
045.0	004.7000	0047.0	018.7	146.0	000.1900	0040.0	023.6	41.24
046.0	004.7000	0047.0	018.7	145.9	000.1900	0040.0	023.9	41.01
047.0	004.7000	0047.0	018.7	145.8	000.1900	0040.0	024.3	40.78
048.0	004.7000	0047.0	018.7	145.6	000.1900	0040.0	024.6	40.55
049.0	004.7000	0047.0	018.7	145.6	000.1900	0040.0	024.9	40.33
050.0	004.7000	0047.0	018.7	145.5	000.1900	0040.0	025.2	40.10
051.0	004.7000	0047.0	018.7	145.4	000.1900	0040.0	025.6	39.88
052.0	004.7000	0047.0	018.7	145.4	000.1900	0040.0	025.9	39.66
053.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	026.2	39.45
054.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	026.6	39.24
055.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	026.9	39.03
056.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	027.2	38.83
057.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	027.5	38.63
058.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	027.9	38.43
059.0	004.7000	0047.0	018.7	145.4	000.1900	0040.0	028.2	38.24

10-26-2009 FCC NGDC 30 Sec Terrain Data

990730MD BPED19990730MD

Channel = 209A

Max ERP = 0.19 kW

RCAMSL = 40 M

N. Lat. 28 21 36.0

W. Lng. 80 37 24.0

Protected

60 dBu

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
120.0	000.1900	0040.0	007.6	012.7	004.2988	0047.0	029.8	52.28	
121.0	000.1900	0040.0	007.6	012.6	004.2945	0047.0	029.7	52.34	
122.0	000.1900	0040.0	007.6	012.6	004.2901	0047.0	029.6	52.40	
123.0	000.1900	0040.0	007.6	012.5	004.2854	0047.0	029.4	52.47	
124.0	000.1900	0040.0	007.6	012.4	004.2804	0047.0	029.3	52.53	
125.0	000.1900	0040.0	007.6	012.3	004.2752	0047.0	029.2	52.59	
126.0	000.1900	0040.0	007.6	012.2	004.2698	0047.0	029.1	52.65	
127.0	000.1900	0040.0	007.6	012.1	004.2640	0047.0	029.0	52.71	
128.0	000.1900	0040.0	007.6	012.0	004.2580	0047.0	028.8	52.78	
129.0	000.1900	0040.0	007.6	011.9	004.2517	0047.0	028.7	52.84	
130.0	000.1900	0040.0	007.6	011.7	004.2452	0047.0	028.6	52.90	
131.0	000.1900	0040.0	007.6	011.6	004.2383	0047.0	028.5	52.96	
132.0	000.1900	0040.0	007.6	011.5	004.2312	0047.0	028.4	53.02	
133.0	000.1900	0040.0	007.6	011.3	004.2239	0047.0	028.3	53.08	
134.0	000.1900	0040.0	007.6	011.2	004.2163	0047.0	028.1	53.13	
135.0	000.1900	0040.0	007.6	011.0	004.2083	0047.0	028.0	53.19	
136.0	000.1900	0040.0	007.6	010.9	004.2002	0047.0	027.9	53.25	
137.0	000.1900	0040.0	007.6	010.7	004.1918	0047.0	027.8	53.30	
138.0	000.1900	0040.0	007.6	010.6	004.1831	0047.0	027.7	53.36	
139.0	000.1900	0040.0	007.6	010.4	004.1742	0047.0	027.6	53.41	
140.0	000.1900	0040.0	007.6	010.2	004.1651	0047.0	027.5	53.46	
141.0	000.1900	0040.0	007.6	010.0	004.1556	0046.9	027.4	53.51	
142.0	000.1900	0040.0	007.6	009.9	004.1377	0046.9	027.3	53.56	
143.0	000.1900	0040.0	007.6	009.7	004.1162	0046.9	027.2	53.59	
144.0	000.1900	0040.0	007.6	009.5	004.0942	0046.9	027.1	53.63	
145.0	000.1900	0040.0	007.6	009.3	004.0716	0046.9	027.0	53.66	
146.0	000.1900	0040.0	007.6	009.1	004.0487	0046.9	026.9	53.69	
147.0	000.1900	0040.0	007.6	008.9	004.0251	0046.9	026.8	53.72	
148.0	000.1900	0040.0	007.6	008.7	004.0012	0046.9	026.7	53.75	
149.0	000.1900	0040.0	007.6	008.5	003.9770	0046.8	026.7	53.77	
150.0	000.1900	0040.0	007.6	008.2	003.9522	0046.8	026.6	53.79	
151.0	000.1900	0040.0	007.6	008.0	003.9269	0046.8	026.5	53.81	
152.0	000.1900	0040.0	007.6	007.8	003.9013	0046.8	026.4	53.83	
153.0	000.1900	0040.0	007.6	007.5	003.8753	0046.7	026.3	53.85	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
154.0	000.1900	0040.0	007.6	007.3	003.8489	0046.7	026.3	53.86
155.0	000.1900	0040.0	007.6	007.1	003.8222	0046.7	026.2	53.87
156.0	000.1900	0040.0	007.6	006.8	003.7951	0046.6	026.1	53.88
157.0	000.1900	0040.0	007.6	006.6	003.7676	0046.6	026.1	53.88
158.0	000.1900	0040.0	007.6	006.3	003.7399	0046.5	026.0	53.89
159.0	000.1900	0040.0	007.6	006.1	003.7119	0046.5	025.9	53.89
160.0	000.1900	0040.0	007.6	005.8	003.6835	0046.5	025.9	53.89
161.0	000.1900	0040.0	007.6	005.5	003.6551	0046.4	025.8	53.88
162.0	000.1900	0040.0	007.6	005.3	003.6262	0046.4	025.8	53.88
163.0	000.1900	0040.0	007.6	005.0	003.5972	0046.3	025.7	53.87
164.0	000.1900	0040.0	007.6	004.7	003.5680	0046.3	025.7	53.86
165.0	000.1900	0040.0	007.6	004.4	003.5385	0046.3	025.6	53.84
166.0	000.1900	0040.0	007.6	004.2	003.5091	0046.2	025.6	53.83
167.0	000.1900	0040.0	007.6	003.9	003.4794	0046.2	025.5	53.81
168.0	000.1900	0040.0	007.6	003.6	003.4494	0046.1	025.5	53.79
169.0	000.1900	0040.0	007.6	003.3	003.4195	0046.1	025.5	53.76
170.0	000.1900	0040.0	007.6	003.0	003.3896	0046.0	025.4	53.74
171.0	000.1900	0040.0	007.6	002.7	003.3596	0046.0	025.4	53.71
172.0	000.1900	0040.0	007.6	002.4	003.3294	0045.9	025.4	53.68
173.0	000.1900	0040.0	007.6	002.1	003.2993	0045.9	025.4	53.65
174.0	000.1900	0040.0	007.6	001.8	003.2693	0045.9	025.3	53.61
175.0	000.1900	0040.0	007.6	001.6	003.2392	0045.8	025.3	53.57
176.0	000.1900	0040.0	007.6	001.3	003.2091	0045.8	025.3	53.53
177.0	000.1900	0040.0	007.6	001.0	003.1790	0045.7	025.3	53.49
178.0	000.1900	0040.0	007.6	000.7	003.1492	0045.7	025.3	53.45
179.0	000.1900	0040.0	007.6	000.4	003.1195	0045.6	025.3	53.40
180.0	000.1900	0040.0	007.6	000.1	003.0897	0045.6	025.3	53.35
181.0	000.1900	0040.0	007.6	359.8	003.0764	0045.5	025.3	53.32
182.0	000.1900	0040.0	007.6	359.5	003.0674	0045.5	025.3	53.30
183.0	000.1900	0040.0	007.6	359.2	003.0583	0045.4	025.3	53.27
184.0	000.1900	0040.0	007.6	358.9	003.0493	0045.4	025.3	53.24
185.0	000.1900	0040.0	007.6	358.6	003.0403	0045.3	025.3	53.21
186.0	000.1900	0040.0	007.6	358.3	003.0313	0045.3	025.3	53.17
187.0	000.1900	0040.0	007.6	358.0	003.0224	0045.2	025.4	53.14
188.0	000.1900	0040.0	007.6	357.7	003.0136	0045.2	025.4	53.10
189.0	000.1900	0040.0	007.6	357.4	003.0048	0045.2	025.4	53.06
190.0	000.1900	0040.0	007.6	357.1	002.9961	0045.1	025.4	53.03
191.0	000.1900	0040.0	007.6	356.8	002.9874	0045.1	025.5	52.99
192.0	000.1900	0040.0	007.6	356.5	002.9789	0045.1	025.5	52.95
193.0	000.1900	0040.0	007.6	356.2	002.9703	0045.1	025.5	52.90
194.0	000.1900	0040.0	007.6	356.0	002.9619	0045.0	025.6	52.86
195.0	000.1900	0040.0	007.6	355.7	002.9536	0045.0	025.6	52.81
196.0	000.1900	0039.9	007.6	355.4	002.9455	0045.0	025.7	52.76
197.0	000.1900	0039.6	007.5	355.2	002.9382	0045.0	025.7	52.69
198.0	000.1900	0039.2	007.5	354.9	002.9313	0044.9	025.8	52.62
199.0	000.1900	0038.8	007.5	354.7	002.9244	0044.9	025.9	52.54
200.0	000.1900	0038.7	007.4	354.5	002.9170	0044.9	026.0	52.48
201.0	000.1900	0038.7	007.4	354.2	002.9095	0044.9	026.0	52.43
202.0	000.1900	0038.6	007.4	354.0	002.9023	0044.8	026.1	52.37
203.0	000.1900	0038.4	007.4	353.7	002.8954	0044.8	026.2	52.30
204.0	000.1900	0038.3	007.4	353.5	002.8887	0044.8	026.3	52.24

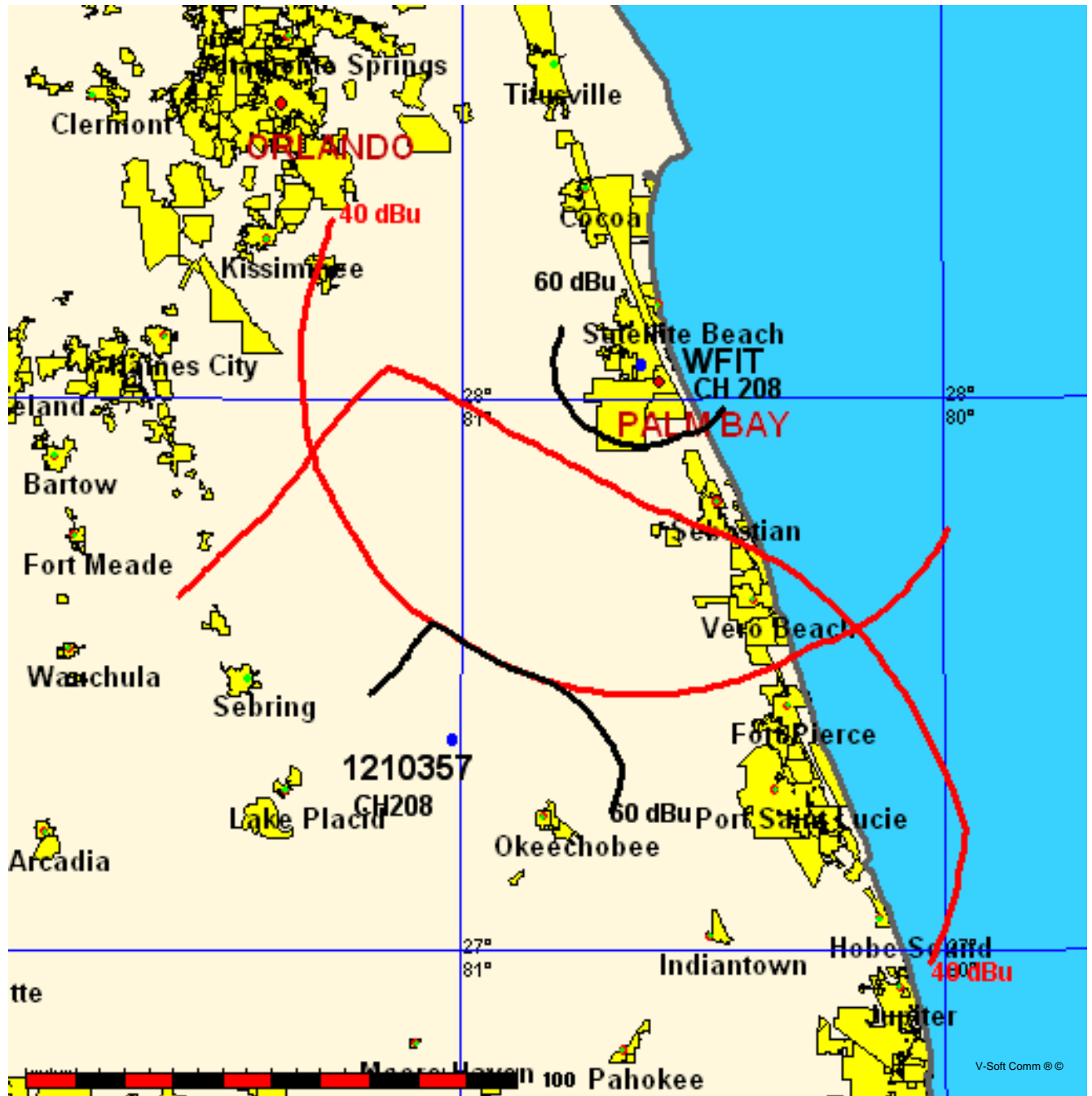
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
205.0	000.1900	0038.3	007.4	353.3	002.8816	0044.8	026.3	52.18
206.0	000.1900	0038.3	007.4	353.0	002.8747	0044.7	026.4	52.12
207.0	000.1900	0038.1	007.4	352.8	002.8684	0044.7	026.5	52.05
208.0	000.1900	0037.9	007.4	352.6	002.8626	0044.7	026.6	51.97
209.0	000.1900	0037.5	007.3	352.4	002.8572	0044.6	026.7	51.89
210.0	000.1900	0037.2	007.3	352.2	002.8519	0044.6	026.8	51.81
211.0	000.1900	0037.0	007.3	352.1	002.8467	0044.6	026.9	51.73
212.0	000.1900	0036.8	007.3	351.9	002.8413	0044.5	027.0	51.65
213.0	000.1900	0036.7	007.3	351.7	002.8357	0044.5	027.1	51.58
214.0	000.1900	0036.7	007.3	351.5	002.8298	0044.4	027.2	51.51
215.0	000.1900	0036.8	007.3	351.3	002.8240	0044.4	027.2	51.44
216.0	000.1900	0036.7	007.3	351.1	002.8186	0044.4	027.3	51.37
217.0	000.1900	0036.6	007.2	350.9	002.8137	0044.3	027.4	51.29
218.0	000.1900	0036.4	007.2	350.8	002.8092	0044.3	027.5	51.22
219.0	000.1900	0036.3	007.2	350.6	002.8049	0044.3	027.6	51.14
220.0	000.1900	0036.1	007.2	350.5	002.8006	0044.2	027.7	51.06
221.0	000.1900	0036.1	007.2	350.3	002.7960	0044.2	027.8	50.99
222.0	000.1900	0036.2	007.2	350.1	002.7906	0044.1	027.9	50.92
223.0	000.1900	0036.5	007.2	349.9	002.7880	0044.1	028.0	50.85
224.0	000.1900	0036.8	007.3	349.7	002.7924	0044.0	028.1	50.79
225.0	000.1900	0037.0	007.3	349.6	002.7963	0043.9	028.2	50.73
226.0	000.1900	0037.2	007.3	349.4	002.7999	0043.9	028.3	50.67
227.0	000.1900	0037.4	007.3	349.2	002.8036	0043.8	028.4	50.60
228.0	000.1900	0037.5	007.3	349.1	002.8072	0043.7	028.5	50.53
229.0	000.1900	0037.6	007.3	348.9	002.8103	0043.6	028.6	50.46
230.0	000.1900	0037.6	007.3	348.8	002.8130	0043.6	028.7	50.39
231.0	000.1900	0037.7	007.3	348.7	002.8158	0043.5	028.8	50.31
232.0	000.1900	0037.7	007.4	348.5	002.8186	0043.4	028.9	50.24
233.0	000.1900	0037.7	007.4	348.4	002.8211	0043.3	029.0	50.16
234.0	000.1900	0037.6	007.3	348.3	002.8228	0043.3	029.2	50.08
235.0	000.1900	0037.4	007.3	348.3	002.8244	0043.2	029.3	50.00
236.0	000.1900	0037.4	007.3	348.2	002.8265	0043.1	029.4	49.93
237.0	000.1900	0037.6	007.3	348.0	002.8291	0043.0	029.5	49.85
238.0	000.1900	0037.8	007.4	347.9	002.8318	0042.9	029.6	49.77
239.0	000.1900	0038.0	007.4	347.8	002.8343	0042.8	029.7	49.69

Allocation Map
The Florida Institute Of Technology

FMCommander Single Allocation Study - 10-26-2009 - FCC NGDC 30 Sec
WFIT's Overlaps (In= 8.15 km, Out= 0.08 km)

WFIT CH 208 A DA
Lat= 28 03 51.0, Lng= 80 37 25.0
4.7 kW 45 M HAAT, 47 M COR
Prot.= 60 dBu, Intef.= 40 dBu

1210357 CH 208 B1 DA BNPED20071018AKI
Lat= 27 23 06.0, Lng= 81 00 52.0
21.0 kW 87 M HAAT, 98 M COR
Prot.= 60 dBu, Intef.= 40 dBu



10-26-2009

FCC NGDC 30 Sec Terrain Data

FMOver Analysis

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Protected

60 dBu

1210357 BNPED20071018AKI

Channel = 208B1

Max ERP = 21 kW

RCAMSL = 98 M

N. Lat. 27 23 06.0

W. Lng. 81 00 52.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
147.0	004.7000	0037.8	016.6	037.5	001.3766	0082.1	077.8	35.15	
148.0	004.7000	0037.2	016.4	037.4	001.3752	0082.1	077.5	35.21	
149.0	004.7000	0037.0	016.4	037.3	001.3743	0082.1	077.3	35.27	
150.0	004.7000	0037.0	016.4	037.2	001.3736	0082.1	077.0	35.34	
151.0	004.7000	0037.0	016.4	037.1	001.3728	0082.1	076.8	35.41	
152.0	004.7000	0037.0	016.4	037.0	001.3721	0082.1	076.5	35.48	
153.0	004.7000	0037.0	016.4	036.9	001.3713	0082.1	076.2	35.54	
154.0	004.7000	0037.0	016.4	036.8	001.3705	0082.1	076.0	35.61	
155.0	004.7000	0037.0	016.4	036.7	001.3697	0082.1	075.7	35.68	
156.0	004.7000	0037.0	016.4	036.6	001.3688	0082.0	075.5	35.74	
157.0	004.7000	0037.0	016.4	036.5	001.3678	0082.0	075.2	35.81	
158.0	004.7000	0037.0	016.4	036.4	001.3669	0082.0	075.0	35.87	
159.0	004.7000	0037.0	016.4	036.3	001.3659	0082.0	074.7	35.93	
160.0	004.7000	0037.0	016.4	036.2	001.3649	0082.0	074.5	35.99	
161.0	004.7000	0037.0	016.4	036.1	001.3638	0082.0	074.3	36.05	
162.0	004.7000	0037.0	016.4	035.9	001.3628	0082.0	074.0	36.11	
163.0	004.7000	0037.0	016.4	035.8	001.3616	0082.0	073.8	36.17	
164.0	004.7000	0037.0	016.4	035.7	001.3605	0082.0	073.6	36.23	
165.0	004.7000	0037.0	016.4	035.5	001.3593	0082.0	073.4	36.29	
166.0	004.7000	0037.0	016.4	035.4	001.3581	0081.9	073.1	36.34	
167.0	004.7000	0037.0	016.4	035.2	001.3568	0081.9	072.9	36.40	
168.0	004.7000	0037.0	016.4	035.1	001.3555	0081.9	072.7	36.45	
169.0	004.7000	0037.0	016.4	034.9	001.3542	0081.9	072.5	36.50	
170.0	004.7000	0037.0	016.4	034.8	001.3529	0081.9	072.3	36.55	
171.0	004.7000	0037.0	016.4	034.6	001.3515	0081.9	072.1	36.60	
172.0	004.7000	0037.0	016.4	034.4	001.3501	0081.9	071.9	36.65	
173.0	004.7000	0037.0	016.4	034.3	001.3487	0081.9	071.7	36.70	
174.0	004.7000	0037.0	016.4	034.1	001.3472	0081.9	071.5	36.75	
175.0	004.7000	0037.0	016.4	033.9	001.3457	0081.8	071.3	36.79	
176.0	004.7000	0037.0	016.4	033.8	001.3442	0081.8	071.2	36.83	
177.0	004.7000	0037.0	016.4	033.6	001.3426	0081.8	071.0	36.88	
178.0	004.7000	0037.0	016.4	033.4	001.3411	0081.8	070.8	36.92	
179.0	004.7000	0037.0	016.4	033.2	001.3395	0081.8	070.7	36.96	
180.0	004.7000	0037.0	016.4	033.0	001.3378	0081.8	070.5	36.99	
181.0	004.7000	0037.0	016.4	032.8	001.3362	0081.8	070.3	37.03	
182.0	004.7000	0037.0	016.4	032.6	001.3345	0081.7	070.2	37.07	
183.0	004.7000	0037.0	016.4	032.4	001.3328	0081.7	070.1	37.10	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
184.0	004.7000	0037.0	016.4	032.2	001.3311	0081.7	069.9	37.13
185.0	004.7000	0037.0	016.4	032.0	001.3293	0081.7	069.8	37.16
186.0	004.7000	0037.0	016.4	031.8	001.3275	0081.7	069.7	37.19
187.0	004.7000	0037.0	016.4	031.6	001.3258	0081.7	069.5	37.22
188.0	004.7000	0037.0	016.4	031.4	001.3239	0081.7	069.4	37.24
189.0	004.7000	0037.0	016.4	031.1	001.3221	0081.6	069.3	37.27
190.0	004.7000	0037.0	016.4	030.9	001.3203	0081.6	069.2	37.29
191.0	004.7000	0037.0	016.4	030.7	001.3184	0081.6	069.1	37.31
192.0	004.7000	0037.0	016.4	030.5	001.3165	0081.6	069.0	37.33
193.0	004.7000	0037.0	016.4	030.3	001.3146	0081.6	068.9	37.35
194.0	004.7000	0037.0	016.4	030.0	001.3127	0081.6	068.8	37.36
195.0	004.7000	0037.0	016.4	029.8	001.3138	0081.6	068.8	37.39
196.0	004.7000	0037.0	016.4	029.6	001.3152	0081.5	068.7	37.41
197.0	004.7000	0037.0	016.4	029.3	001.3167	0081.5	068.6	37.43
198.0	004.7000	0037.0	016.4	029.1	001.3182	0081.5	068.6	37.45
199.0	004.7000	0037.0	016.4	028.9	001.3196	0081.5	068.5	37.47
200.0	004.7000	0037.0	016.4	028.6	001.3211	0081.5	068.5	37.49
201.0	004.7000	0037.0	016.4	028.4	001.3226	0081.5	068.4	37.50
202.0	004.7000	0037.0	016.4	028.2	001.3241	0081.5	068.4	37.52
203.0	004.7000	0037.0	016.4	027.9	001.3256	0081.5	068.4	37.53
204.0	004.7000	0037.0	016.4	027.7	001.3271	0081.4	068.4	37.54
205.0	004.7000	0037.0	016.4	027.4	001.3286	0081.4	068.3	37.55
206.0	004.7000	0037.0	016.4	027.2	001.3302	0081.4	068.3	37.56
207.0	004.7000	0037.0	016.4	027.0	001.3317	0081.4	068.3	37.56
208.0	004.7000	0037.0	016.4	026.7	001.3332	0081.4	068.3	37.56
209.0	004.7000	0037.0	016.4	026.5	001.3347	0081.4	068.3	37.57
210.0	004.7000	0037.0	016.4	026.2	001.3362	0081.4	068.4	37.56
211.0	004.7000	0037.0	016.4	026.0	001.3378	0081.4	068.4	37.56
212.0	004.7000	0037.0	016.4	025.8	001.3393	0081.3	068.4	37.56
213.0	004.7000	0037.0	016.4	025.5	001.3408	0081.3	068.4	37.55
214.0	004.7000	0037.0	016.4	025.3	001.3423	0081.3	068.5	37.55
215.0	004.7000	0037.0	016.4	025.1	001.3438	0081.3	068.5	37.54
216.0	004.7000	0037.1	016.4	024.8	001.3453	0081.3	068.5	37.54
217.0	004.7000	0037.4	016.5	024.6	001.3469	0081.3	068.5	37.54
218.0	004.7000	0037.8	016.6	024.3	001.3485	0081.3	068.5	37.55
219.0	004.7000	0038.2	016.7	024.1	001.3501	0081.3	068.5	37.57
220.0	004.7000	0038.6	016.8	023.8	001.3518	0081.3	068.5	37.58
221.0	004.7000	0039.0	016.9	023.6	001.3534	0081.3	068.5	37.58
222.0	004.7000	0039.4	017.0	023.3	001.3551	0081.3	068.5	37.59
223.0	004.7000	0039.7	017.1	023.0	001.3567	0081.3	068.5	37.59
224.0	004.7000	0040.0	017.1	022.8	001.3583	0081.3	068.5	37.58
225.0	004.7000	0040.1	017.1	022.6	001.3599	0081.3	068.6	37.56
226.0	004.7000	0040.0	017.1	022.3	001.3613	0081.3	068.8	37.53
227.0	004.7000	0039.8	017.1	022.1	001.3626	0081.3	068.9	37.48
228.0	004.7000	0039.8	017.1	021.9	001.3641	0081.4	069.1	37.46
229.0	004.7000	0040.1	017.1	021.7	001.3656	0081.4	069.1	37.44
230.0	004.7000	0040.3	017.2	021.4	001.3672	0081.4	069.2	37.42
231.0	004.7000	0040.5	017.2	021.2	001.3687	0081.4	069.3	37.40
232.0	004.7000	0040.6	017.3	021.0	001.3701	0081.4	069.5	37.36
233.0	004.7000	0040.6	017.3	020.7	001.3715	0081.5	069.6	37.33
234.0	004.7000	0040.5	017.2	020.5	001.3728	0081.5	069.8	37.28

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
235.0	004.7000	0040.4	017.2	020.4	001.3740	0081.5	070.0	37.23
236.0	004.7000	0040.1	017.1	020.2	001.3751	0081.5	070.2	37.17
237.0	004.7000	0039.9	017.1	020.0	001.3762	0081.5	070.4	37.12
238.0	004.7000	0039.8	017.1	019.8	001.3802	0081.5	070.7	37.07
239.0	004.7000	0039.8	017.1	019.6	001.3847	0081.6	070.8	37.04
240.0	004.7000	0040.0	017.1	019.4	001.3896	0081.6	071.0	37.01
241.0	004.7000	0040.3	017.2	019.2	001.3949	0081.6	071.1	36.99
242.0	004.7000	0040.6	017.3	019.0	001.4000	0081.6	071.3	36.96
243.0	004.7000	0040.7	017.3	018.8	001.4047	0081.6	071.5	36.93
244.0	004.7000	0040.8	017.3	018.6	001.4089	0081.6	071.7	36.89
245.0	004.7000	0040.8	017.3	018.5	001.4130	0081.7	071.9	36.84
246.0	004.7000	0040.9	017.3	018.3	001.4173	0081.7	072.1	36.80
247.0	004.7000	0041.2	017.4	018.1	001.4221	0081.7	072.3	36.76
248.0	004.7000	0041.6	017.5	017.9	001.4272	0081.7	072.4	36.73
249.0	004.7000	0042.0	017.6	017.7	001.4324	0081.7	072.6	36.70
250.0	004.7000	0042.4	017.7	017.4	001.4373	0081.7	072.8	36.66
251.0	004.7000	0042.7	017.8	017.3	001.4420	0081.7	073.0	36.62
252.0	004.7000	0042.9	017.8	017.1	001.4463	0081.7	073.2	36.57
253.0	004.7000	0043.1	017.8	016.9	001.4502	0081.7	073.5	36.52
254.0	004.7000	0043.2	017.9	016.8	001.4537	0081.7	073.7	36.46
255.0	004.7000	0043.3	017.9	016.6	001.4573	0081.7	074.0	36.41
256.0	004.7000	0043.4	017.9	016.5	001.4609	0081.7	074.2	36.35
257.0	004.7000	0043.6	018.0	016.3	001.4644	0081.7	074.5	36.29
258.0	004.7000	0043.7	018.0	016.2	001.4676	0081.7	074.7	36.22
259.0	004.7000	0043.7	018.0	016.1	001.4705	0081.7	075.0	36.16
260.0	004.7000	0043.6	018.0	016.0	001.4728	0081.7	075.3	36.09
261.0	004.7000	0043.5	017.9	015.9	001.4747	0081.7	075.6	36.01
262.0	004.7000	0043.3	017.9	015.8	001.4764	0081.7	075.9	35.93
263.0	004.7000	0043.1	017.9	015.8	001.4780	0081.7	076.2	35.85
264.0	004.7000	0042.9	017.8	015.7	001.4794	0081.7	076.5	35.78
265.0	004.7000	0042.7	017.8	015.7	001.4809	0081.7	076.8	35.70
266.0	004.7000	0042.8	017.8	015.6	001.4830	0081.7	077.1	35.63

10-26-2009 FCC NGDC 30 Sec Terrain Data

1210357 BNPED20071018AKI

Channel = 208B1

Max ERP = 21 kW

RCAMSL = 98 M

N. Lat. 27 23 06.0

W. Lng. 81 00 52.0

Protected

60 dBu

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
327.0	001.2843	0087.8	018.5	219.1	004.7000	0038.2	077.1	37.95	
328.0	001.3146	0087.7	018.6	219.1	004.7000	0038.2	076.8	38.02	
329.0	001.3453	0087.5	018.7	219.0	004.7000	0038.2	076.4	38.09	
330.0	001.3763	0087.4	018.8	219.0	004.7000	0038.2	076.1	38.16	
331.0	001.4481	0087.3	019.0	219.1	004.7000	0038.3	075.7	38.25	
332.0	001.5218	0087.3	019.3	219.2	004.7000	0038.3	075.3	38.33	
333.0	001.5974	0087.3	019.5	219.2	004.7000	0038.3	074.9	38.42	
334.0	001.6747	0087.3	019.7	219.3	004.7000	0038.3	074.5	38.51	
335.0	001.7539	0087.3	019.9	219.3	004.7000	0038.4	074.1	38.59	
336.0	001.8350	0087.5	020.2	219.4	004.7000	0038.4	073.6	38.68	
337.0	001.9178	0087.5	020.4	219.4	004.7000	0038.4	073.2	38.77	
338.0	002.0025	0087.4	020.6	219.4	004.7000	0038.4	072.8	38.85	
339.0	002.0890	0086.9	020.8	219.4	004.7000	0038.4	072.4	38.93	
340.0	002.1774	0086.5	020.9	219.4	004.7000	0038.4	072.0	39.01	
341.0	002.2911	0086.4	021.2	219.4	004.7000	0038.4	071.6	39.10	
342.0	002.4076	0086.4	021.4	219.4	004.7000	0038.4	071.1	39.20	
343.0	002.5271	0086.3	021.7	219.4	004.7000	0038.4	070.7	39.29	
344.0	002.6495	0086.2	021.9	219.4	004.7000	0038.4	070.2	39.38	
345.0	002.7748	0086.2	022.1	219.3	004.7000	0038.4	069.8	39.47	
346.0	002.9029	0086.2	022.4	219.3	004.7000	0038.4	069.3	39.57	
347.0	003.0340	0086.5	022.6	219.3	004.7000	0038.3	068.9	39.66	
348.0	003.1679	0086.8	022.9	219.3	004.7000	0038.3	068.4	39.76	
349.0	003.3048	0087.0	023.1	219.2	004.7000	0038.3	067.9	39.86	
350.0	003.4445	0086.9	023.4	219.1	004.7000	0038.3	067.5	39.95	
351.0	003.3165	0086.7	023.1	218.7	004.7000	0038.1	067.3	39.96	
352.0	003.1908	0086.4	022.9	218.4	004.7000	0037.9	067.2	39.97	
353.0	003.0676	0086.3	022.7	218.0	004.7000	0037.8	067.1	39.98	
354.0	002.9468	0085.9	022.4	217.6	004.7000	0037.6	067.0	39.98	
355.0	002.8285	0085.4	022.1	217.2	004.7000	0037.5	066.9	39.98	
356.0	002.7125	0085.0	021.9	216.8	004.7000	0037.3	066.9	39.97	
357.0	002.5990	0084.7	021.6	216.4	004.7000	0037.2	066.8	39.97	
358.0	002.4879	0084.5	021.4	216.0	004.7000	0037.1	066.8	39.97	
359.0	002.3793	0084.2	021.1	215.6	004.7000	0037.1	066.8	39.97	
000.0	002.2731	0083.9	020.8	215.2	004.7000	0037.0	066.8	39.96	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
001.0	002.2031	0083.6	020.6	214.9	004.7000	0037.0	066.7	39.97
002.0	002.1343	0083.3	020.4	214.5	004.7000	0037.0	066.7	39.98
003.0	002.0666	0083.0	020.2	214.2	004.7000	0037.0	066.7	39.98
004.0	001.9999	0082.8	020.0	213.8	004.7000	0037.0	066.7	39.98
005.0	001.9344	0082.6	019.9	213.5	004.7000	0037.0	066.7	39.98
006.0	001.8699	0082.3	019.7	213.1	004.7000	0037.0	066.7	39.98
007.0	001.8065	0082.1	019.5	212.8	004.7000	0037.0	066.7	39.97
008.0	001.7442	0081.8	019.3	212.5	004.7000	0037.0	066.8	39.96
009.0	001.6831	0081.7	019.1	212.1	004.7000	0037.0	066.8	39.95
010.0	001.6230	0081.6	018.9	211.8	004.7000	0037.0	066.9	39.94
011.0	001.5974	0081.6	018.8	211.5	004.7000	0037.0	066.8	39.95
012.0	001.5720	0081.6	018.7	211.2	004.7000	0037.0	066.8	39.96
013.0	001.5468	0081.6	018.6	211.0	004.7000	0037.0	066.7	39.97
014.0	001.5218	0081.7	018.6	210.7	004.7000	0037.0	066.7	39.97
015.0	001.4971	0081.7	018.5	210.4	004.7000	0037.0	066.7	39.98
016.0	001.4725	0081.7	018.4	210.1	004.7000	0037.0	066.7	39.98
017.0	001.4481	0081.7	018.3	209.8	004.7000	0037.0	066.7	39.98
018.0	001.4240	0081.7	018.3	209.5	004.7000	0037.0	066.7	39.97
019.0	001.4000	0081.6	018.2	209.3	004.7000	0037.0	066.7	39.97
020.0	001.3763	0081.5	018.1	209.0	004.7000	0037.0	066.8	39.96
021.0	001.3698	0081.4	018.0	208.7	004.7000	0037.0	066.8	39.96
022.0	001.3634	0081.3	018.0	208.4	004.7000	0037.0	066.8	39.96
023.0	001.3570	0081.3	018.0	208.2	004.7000	0037.0	066.8	39.96
024.0	001.3506	0081.3	017.9	207.9	004.7000	0037.0	066.8	39.96
025.0	001.3442	0081.3	017.9	207.6	004.7000	0037.0	066.8	39.96
026.0	001.3378	0081.4	017.9	207.3	004.7000	0037.0	066.8	39.96
027.0	001.3315	0081.4	017.9	207.1	004.7000	0037.0	066.8	39.96
028.0	001.3251	0081.5	017.9	206.8	004.7000	0037.0	066.8	39.95
029.0	001.3188	0081.5	017.9	206.5	004.7000	0037.0	066.8	39.95
030.0	001.3125	0081.6	017.8	206.3	004.7000	0037.0	066.9	39.94
031.0	001.3209	0081.6	017.9	206.0	004.7000	0037.0	066.9	39.94
032.0	001.3294	0081.7	017.9	205.7	004.7000	0037.0	066.9	39.94
033.0	001.3378	0081.8	018.0	205.5	004.7000	0037.0	066.9	39.94
034.0	001.3463	0081.8	018.0	205.2	004.7000	0037.0	066.9	39.94
035.0	001.3548	0081.9	018.0	204.9	004.7000	0037.0	066.9	39.94
036.0	001.3634	0082.0	018.1	204.7	004.7000	0037.0	066.9	39.94
037.0	001.3720	0082.1	018.1	204.4	004.7000	0037.0	066.9	39.93
038.0	001.3806	0082.2	018.2	204.1	004.7000	0037.0	067.0	39.92
039.0	001.3892	0082.3	018.2	203.8	004.7000	0037.0	067.0	39.91
040.0	001.3978	0082.3	018.2	203.6	004.7000	0037.0	067.1	39.90
041.0	001.4514	0082.5	018.4	203.3	004.7000	0037.0	067.0	39.92
042.0	001.5061	0082.6	018.6	202.9	004.7000	0037.0	066.9	39.94
043.0	001.5617	0082.7	018.8	202.6	004.7000	0037.0	066.8	39.95
044.0	001.6183	0082.7	019.0	202.3	004.7000	0037.0	066.8	39.96
045.0	001.6759	0082.8	019.2	202.0	004.7000	0037.0	066.7	39.97
046.0	001.7346	0082.8	019.3	201.7	004.7000	0037.0	066.7	39.97
047.0	001.7942	0082.7	019.5	201.3	004.7000	0037.0	066.7	39.97
048.0	001.8549	0082.6	019.7	201.0	004.7000	0037.0	066.7	39.97
049.0	001.9166	0082.6	019.8	200.7	004.7000	0037.0	066.7	39.97
050.0	001.9792	0082.6	020.0	200.4	004.7000	0037.0	066.8	39.96
051.0	002.0824	0082.7	020.2	200.0	004.7000	0037.0	066.7	39.97

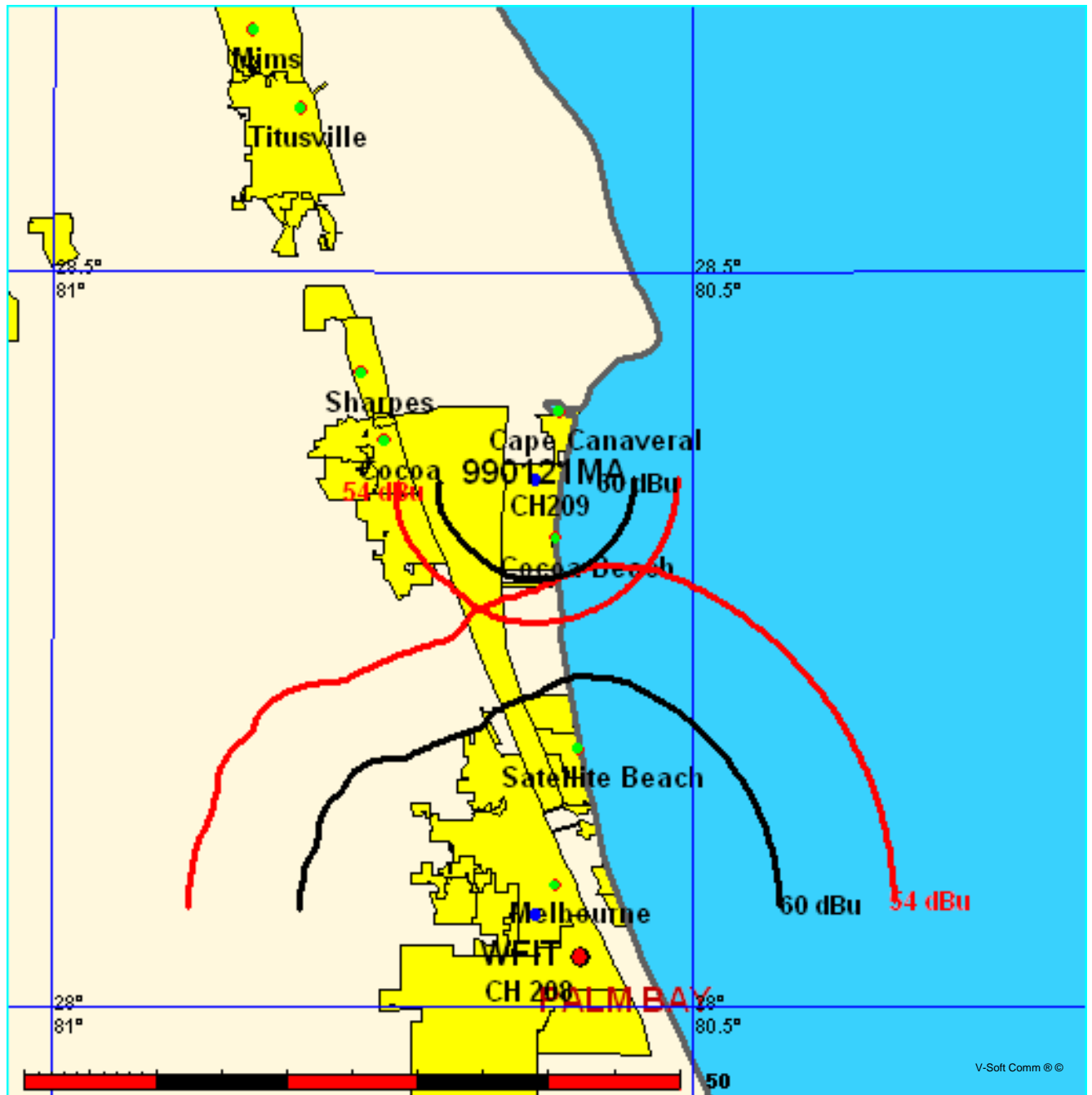
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
052.0	002.1882	0082.8	020.5	199.6	004.7000	0037.0	066.7	39.98
053.0	002.2966	0083.0	020.8	199.2	004.7000	0037.0	066.7	39.98
054.0	002.4076	0083.2	021.0	198.8	004.7000	0037.0	066.7	39.98
055.0	002.5213	0083.4	021.3	198.5	004.7000	0037.0	066.7	39.98
056.0	002.6376	0083.6	021.5	198.1	004.7000	0037.0	066.7	39.98
057.0	002.7565	0083.8	021.8	197.7	004.7000	0037.0	066.7	39.97
058.0	002.8780	0084.0	022.0	197.3	004.7000	0037.0	066.8	39.96
059.0	003.0022	0084.3	022.3	196.9	004.7000	0037.0	066.9	39.94
060.0	003.1289	0084.5	022.5	196.5	004.7000	0037.0	066.9	39.93
061.0	003.2931	0084.8	022.8	196.1	004.7000	0037.0	067.0	39.91
062.0	003.4616	0085.1	023.2	195.6	004.7000	0037.0	067.1	39.90
063.0	003.6342	0085.4	023.5	195.2	004.7000	0037.0	067.2	39.88
064.0	003.8110	0085.7	023.8	194.8	004.7000	0037.0	067.3	39.86
065.0	003.9920	0085.9	024.0	194.4	004.7000	0037.0	067.4	39.83
066.0	004.1772	0086.0	024.3	194.0	004.7000	0037.0	067.6	39.79
067.0	004.3667	0086.0	024.5	193.6	004.7000	0037.0	067.8	39.75
068.0	004.5603	0086.1	024.8	193.2	004.7000	0037.0	068.0	39.71
069.0	004.7581	0086.2	025.0	192.8	004.7000	0037.0	068.2	39.67
070.0	004.9601	0086.3	025.3	192.5	004.7000	0037.0	068.4	39.62
071.0	005.2206	0086.4	025.6	192.1	004.7000	0037.0	068.7	39.58
072.0	005.4878	0086.4	025.9	191.7	004.7000	0037.0	068.9	39.53
073.0	005.7617	0086.5	026.2	191.3	004.7000	0037.0	069.2	39.48
074.0	006.0422	0086.8	026.5	190.8	004.7000	0037.0	069.4	39.42
075.0	006.3294	0087.3	026.9	190.4	004.7000	0037.0	069.7	39.37
076.0	006.6233	0087.7	027.2	190.0	004.7000	0037.0	070.0	39.31
077.0	006.9238	0088.0	027.5	189.6	004.7000	0037.0	070.3	39.25
078.0	007.2310	0088.0	027.8	189.3	004.7000	0037.0	070.6	39.18
079.0	007.5449	0088.0	028.0	188.9	004.7000	0037.0	071.0	39.10
080.0	007.8654	0088.0	028.3	188.6	004.7000	0037.0	071.4	39.03
081.0	008.2768	0088.0	028.6	188.2	004.7000	0037.0	071.7	38.95
082.0	008.6986	0088.0	029.0	187.9	004.7000	0037.0	072.1	38.87
083.0	009.1310	0088.0	029.3	187.5	004.7000	0037.0	072.5	38.79
084.0	009.5738	0088.0	029.6	187.2	004.7000	0037.0	073.0	38.70
085.0	010.0271	0088.0	029.9	186.8	004.7000	0037.0	073.4	38.61
086.0	010.4909	0088.0	030.2	186.5	004.7000	0037.0	073.9	38.52

Allocation Map
The Florida Institute Of Technology

FMCommander Single Allocation Study - 10-26-2009 - FCC NGDC 30 Sec
WFIT's Overlaps (In= 4.46 km, Out= 0.17 km)

WFIT CH 208 A DA
Lat= 28 03 51.0, Lng= 80 37 25.0
4.7 kW 45 M HAAT, 47 M COR
Prot.= 60 dBu, Intef.= 54 dBu

990121MA CH 209 A BPED19990121MA
Lat= 28 21 36.0, Lng= 80 37 24.0
0.19 kW 40 M HAAT, 40 M COR
Prot.= 60 dBu, Intef.= 54 dBu



10-26-2009

FCC NGDC 30 Sec Terrain Data

FMOver Analysis

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Protected

60 dBu

990121MA BPED19990121MA

Channel = 209A

Max ERP = 0.19 kW

RCAMSL = 40 M

N. Lat. 28 21 36.0

W. Lng. 80 37 24.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
300.0	004.7000	0041.9	017.6	212.3	000.1900	0036.8	028.5	37.37	
301.0	004.6718	0041.5	017.4	212.1	000.1900	0036.8	028.2	37.55	
302.0	004.6438	0041.3	017.4	212.0	000.1900	0036.8	027.9	37.73	
303.0	004.6158	0041.5	017.4	212.0	000.1900	0036.8	027.6	37.91	
304.0	004.5879	0041.9	017.4	212.1	000.1900	0036.8	027.3	38.09	
305.0	004.5601	0042.3	017.5	212.2	000.1900	0036.8	026.9	38.28	
306.0	004.5323	0042.5	017.5	212.2	000.1900	0036.8	026.6	38.47	
307.0	004.5047	0042.5	017.5	212.1	000.1900	0036.8	026.3	38.67	
308.0	004.4771	0042.4	017.5	211.9	000.1900	0036.8	026.0	38.86	
309.0	004.4496	0042.2	017.4	211.7	000.1900	0036.8	025.7	39.07	
310.0	004.4222	0041.9	017.3	211.4	000.1900	0036.9	025.5	39.27	
311.0	004.3405	0041.6	017.1	210.9	000.1900	0037.0	025.2	39.47	
312.0	004.2596	0041.3	017.0	210.4	000.1900	0037.1	024.9	39.68	
313.0	004.1795	0040.9	016.8	209.9	000.1900	0037.3	024.7	39.89	
314.0	004.1001	0040.5	016.6	209.3	000.1900	0037.4	024.4	40.09	
315.0	004.0214	0040.1	016.4	208.7	000.1900	0037.6	024.2	40.30	
316.0	003.9436	0039.5	016.2	208.0	000.1900	0037.9	024.0	40.49	
317.0	003.8665	0038.9	015.9	207.2	000.1900	0038.1	023.8	40.67	
318.0	003.7901	0038.2	015.7	206.4	000.1900	0038.2	023.6	40.83	
319.0	003.7145	0037.6	015.5	205.7	000.1900	0038.3	023.5	40.97	
320.0	003.6397	0037.2	015.3	205.1	000.1900	0038.3	023.3	41.10	
321.0	003.5984	0037.0	015.2	204.6	000.1900	0038.3	023.1	41.25	
322.0	003.5574	0037.0	015.2	204.2	000.1900	0038.3	022.9	41.40	
323.0	003.5167	0037.0	015.1	203.7	000.1900	0038.3	022.7	41.57	
324.0	003.4761	0037.0	015.1	203.3	000.1900	0038.4	022.5	41.74	
325.0	003.4358	0037.0	015.0	202.8	000.1900	0038.4	022.3	41.90	
326.0	003.3957	0037.0	015.0	202.4	000.1900	0038.5	022.1	42.07	
327.0	003.3559	0037.0	015.0	201.9	000.1900	0038.6	021.9	42.23	
328.0	003.3163	0037.0	014.9	201.4	000.1900	0038.7	021.7	42.39	
329.0	003.2770	0037.0	014.9	200.9	000.1900	0038.7	021.5	42.54	
330.0	003.2378	0037.0	014.8	200.4	000.1900	0038.7	021.3	42.67	
331.0	003.2145	0037.0	014.8	199.9	000.1900	0038.7	021.2	42.81	
332.0	003.1912	0037.0	014.8	199.3	000.1900	0038.7	021.0	42.96	
333.0	003.1680	0037.0	014.7	198.8	000.1900	0038.9	020.8	43.13	
334.0	003.1449	0037.0	014.7	198.2	000.1900	0039.1	020.7	43.30	
335.0	003.1219	0037.0	014.7	197.7	000.1900	0039.3	020.5	43.48	
336.0	003.0989	0037.0	014.7	197.1	000.1900	0039.6	020.4	43.66	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
337.0	003.0761	0037.0	014.6	196.5	000.1900	0039.8	020.2	43.83
338.0	003.0533	0037.0	014.6	195.9	000.1900	0039.9	020.1	43.97
339.0	003.0306	0037.1	014.6	195.3	000.1900	0040.0	019.9	44.10
340.0	003.0080	0037.1	014.6	194.6	000.1900	0040.0	019.8	44.21
341.0	002.9855	0037.2	014.6	194.0	000.1900	0040.0	019.7	44.32
342.0	002.9630	0037.4	014.6	193.4	000.1900	0040.0	019.5	44.43
343.0	002.9407	0037.5	014.6	192.7	000.1900	0040.0	019.4	44.54
344.0	002.9184	0038.0	014.6	192.2	000.1900	0040.0	019.2	44.69
345.0	002.8963	0039.0	014.8	191.7	000.1900	0040.0	018.9	44.91
346.0	002.8742	0040.4	015.0	191.3	000.1900	0040.0	018.6	45.18
347.0	002.8522	0041.8	015.3	190.9	000.1900	0040.0	018.3	45.48
348.0	002.8302	0043.0	015.5	190.4	000.1900	0040.0	018.0	45.71
349.0	002.8084	0043.7	015.6	189.7	000.1900	0040.0	017.8	45.89
350.0	002.7866	0044.1	015.7	188.9	000.1900	0040.0	017.6	46.01
351.0	002.8157	0044.3	015.8	188.2	000.1900	0040.0	017.5	46.16
352.0	002.8448	0044.5	015.8	187.4	000.1900	0040.0	017.3	46.30
353.0	002.8742	0044.7	015.9	186.6	000.1900	0040.0	017.1	46.43
354.0	002.9036	0044.8	016.0	185.7	000.1900	0040.0	017.0	46.53
355.0	002.9333	0044.9	016.1	184.8	000.1900	0040.0	016.9	46.64
356.0	002.9630	0045.0	016.1	183.9	000.1900	0040.0	016.8	46.73
357.0	002.9930	0045.1	016.2	183.0	000.1900	0040.0	016.7	46.82
358.0	003.0231	0045.2	016.3	182.0	000.1900	0040.0	016.6	46.90
359.0	003.0533	0045.4	016.3	181.1	000.1900	0040.0	016.5	46.98
000.0	003.0837	0045.6	016.4	180.1	000.1900	0040.0	016.4	47.06
001.0	003.1834	0045.7	016.6	179.1	000.1900	0040.0	016.2	47.21
002.0	003.2848	0045.9	016.8	178.0	000.1900	0040.0	016.1	47.35
003.0	003.3878	0046.0	017.0	176.9	000.1900	0040.0	015.9	47.48
004.0	003.4923	0046.2	017.1	175.8	000.1900	0040.0	015.8	47.60
005.0	003.5984	0046.3	017.3	174.6	000.1900	0040.0	015.7	47.71
006.0	003.7062	0046.5	017.5	173.4	000.1900	0040.0	015.5	47.80
007.0	003.8155	0046.6	017.7	172.1	000.1900	0040.0	015.4	47.89
008.0	003.9264	0046.8	017.8	170.8	000.1900	0040.0	015.4	47.95
009.0	004.0388	0046.9	018.0	169.5	000.1900	0040.0	015.3	48.00
010.0	004.1529	0046.9	018.1	168.2	000.1900	0040.0	015.3	48.02
011.0	004.2061	0047.0	018.2	167.1	000.1900	0040.0	015.4	47.97
012.0	004.2596	0047.0	018.3	165.9	000.1900	0040.0	015.4	47.90
013.0	004.3135	0047.0	018.3	164.7	000.1900	0040.0	015.5	47.82
014.0	004.3677	0047.0	018.4	163.6	000.1900	0040.0	015.6	47.73
015.0	004.4222	0047.0	018.4	162.5	000.1900	0040.0	015.7	47.62
016.0	004.4771	0047.0	018.5	161.4	000.1900	0040.0	015.9	47.51
017.0	004.5323	0047.0	018.6	160.3	000.1900	0040.0	016.0	47.39
018.0	004.5879	0047.0	018.6	159.3	000.1900	0040.0	016.2	47.26
019.0	004.6438	0047.0	018.7	158.3	000.1900	0040.0	016.3	47.12
020.0	004.7000	0047.0	018.7	157.3	000.1900	0040.0	016.5	46.97
021.0	004.7000	0047.0	018.7	156.5	000.1900	0040.0	016.7	46.78
022.0	004.7000	0047.0	018.7	155.7	000.1900	0040.0	017.0	46.58
023.0	004.7000	0047.0	018.7	155.0	000.1900	0040.0	017.2	46.37
024.0	004.7000	0047.0	018.7	154.3	000.1900	0040.0	017.5	46.16
025.0	004.7000	0047.0	018.7	153.6	000.1900	0040.0	017.7	45.95
026.0	004.7000	0047.0	018.7	152.9	000.1900	0040.0	018.0	45.73
027.0	004.7000	0047.0	018.7	152.3	000.1900	0040.0	018.2	45.51

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
028.0	004.7000	0047.0	018.7	151.7	000.1900	0040.0	018.5	45.28
029.0	004.7000	0047.0	018.7	151.2	000.1900	0040.0	018.8	45.05
030.0	004.7000	0047.0	018.7	150.7	000.1900	0040.0	019.1	44.82
031.0	004.7000	0047.0	018.7	150.2	000.1900	0040.0	019.3	44.59
032.0	004.7000	0047.0	018.7	149.7	000.1900	0040.0	019.6	44.35
033.0	004.7000	0047.0	018.7	149.3	000.1900	0040.0	019.9	44.12
034.0	004.7000	0047.0	018.7	148.9	000.1900	0040.0	020.2	43.88
035.0	004.7000	0047.0	018.7	148.5	000.1900	0040.0	020.5	43.64
036.0	004.7000	0047.0	018.7	148.2	000.1900	0040.0	020.8	43.40
037.0	004.7000	0047.0	018.7	147.9	000.1900	0040.0	021.1	43.16
038.0	004.7000	0047.0	018.7	147.6	000.1900	0040.0	021.4	42.91
039.0	004.7000	0047.0	018.7	147.3	000.1900	0040.0	021.7	42.67
040.0	004.7000	0047.0	018.7	147.0	000.1900	0040.0	022.0	42.43
041.0	004.7000	0047.0	018.7	146.8	000.1900	0040.0	022.4	42.19
042.0	004.7000	0047.0	018.7	146.6	000.1900	0040.0	022.7	41.95
043.0	004.7000	0047.0	018.7	146.4	000.1900	0040.0	023.0	41.72
044.0	004.7000	0047.0	018.7	146.2	000.1900	0040.0	023.3	41.48
045.0	004.7000	0047.0	018.7	146.0	000.1900	0040.0	023.6	41.24
046.0	004.7000	0047.0	018.7	145.9	000.1900	0040.0	023.9	41.01
047.0	004.7000	0047.0	018.7	145.8	000.1900	0040.0	024.3	40.78
048.0	004.7000	0047.0	018.7	145.6	000.1900	0040.0	024.6	40.55
049.0	004.7000	0047.0	018.7	145.6	000.1900	0040.0	024.9	40.33
050.0	004.7000	0047.0	018.7	145.5	000.1900	0040.0	025.2	40.10
051.0	004.7000	0047.0	018.7	145.4	000.1900	0040.0	025.6	39.88
052.0	004.7000	0047.0	018.7	145.4	000.1900	0040.0	025.9	39.66
053.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	026.2	39.45
054.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	026.6	39.24
055.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	026.9	39.03
056.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	027.2	38.83
057.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	027.5	38.63
058.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	027.9	38.43
059.0	004.7000	0047.0	018.7	145.4	000.1900	0040.0	028.2	38.24

10-26-2009 FCC NGDC 30 Sec Terrain Data

990121MA BPED19990121MA
 Channel = 209A
 Max ERP = 0.19 kW
 RCAMSL = 40 M
 N. Lat. 28 21 36.0
 W. Lng. 80 37 24.0
 Protected
 60 dBu

WFIT
 Channel = 208A
 Max ERP = 4.7 kW
 RCAMSL = 47 M
 N. Lat. 28 03 51.0
 W. Lng. 80 37 25.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
120.0	000.1900	0040.0	007.6	012.7	004.2988	0047.0	029.8	52.28	
121.0	000.1900	0040.0	007.6	012.6	004.2945	0047.0	029.7	52.34	
122.0	000.1900	0040.0	007.6	012.6	004.2901	0047.0	029.6	52.40	
123.0	000.1900	0040.0	007.6	012.5	004.2854	0047.0	029.4	52.47	
124.0	000.1900	0040.0	007.6	012.4	004.2804	0047.0	029.3	52.53	
125.0	000.1900	0040.0	007.6	012.3	004.2752	0047.0	029.2	52.59	
126.0	000.1900	0040.0	007.6	012.2	004.2698	0047.0	029.1	52.65	
127.0	000.1900	0040.0	007.6	012.1	004.2640	0047.0	029.0	52.71	
128.0	000.1900	0040.0	007.6	012.0	004.2580	0047.0	028.8	52.78	
129.0	000.1900	0040.0	007.6	011.9	004.2517	0047.0	028.7	52.84	
130.0	000.1900	0040.0	007.6	011.7	004.2452	0047.0	028.6	52.90	
131.0	000.1900	0040.0	007.6	011.6	004.2383	0047.0	028.5	52.96	
132.0	000.1900	0040.0	007.6	011.5	004.2312	0047.0	028.4	53.02	
133.0	000.1900	0040.0	007.6	011.3	004.2239	0047.0	028.3	53.08	
134.0	000.1900	0040.0	007.6	011.2	004.2163	0047.0	028.1	53.13	
135.0	000.1900	0040.0	007.6	011.0	004.2083	0047.0	028.0	53.19	
136.0	000.1900	0040.0	007.6	010.9	004.2002	0047.0	027.9	53.25	
137.0	000.1900	0040.0	007.6	010.7	004.1918	0047.0	027.8	53.30	
138.0	000.1900	0040.0	007.6	010.6	004.1831	0047.0	027.7	53.36	
139.0	000.1900	0040.0	007.6	010.4	004.1742	0047.0	027.6	53.41	
140.0	000.1900	0040.0	007.6	010.2	004.1651	0047.0	027.5	53.46	
141.0	000.1900	0040.0	007.6	010.0	004.1556	0046.9	027.4	53.51	
142.0	000.1900	0040.0	007.6	009.9	004.1377	0046.9	027.3	53.56	
143.0	000.1900	0040.0	007.6	009.7	004.1162	0046.9	027.2	53.59	
144.0	000.1900	0040.0	007.6	009.5	004.0942	0046.9	027.1	53.63	
145.0	000.1900	0040.0	007.6	009.3	004.0716	0046.9	027.0	53.66	
146.0	000.1900	0040.0	007.6	009.1	004.0487	0046.9	026.9	53.69	
147.0	000.1900	0040.0	007.6	008.9	004.0251	0046.9	026.8	53.72	
148.0	000.1900	0040.0	007.6	008.7	004.0012	0046.9	026.7	53.75	
149.0	000.1900	0040.0	007.6	008.5	003.9770	0046.8	026.7	53.77	
150.0	000.1900	0040.0	007.6	008.2	003.9522	0046.8	026.6	53.79	
151.0	000.1900	0040.0	007.6	008.0	003.9269	0046.8	026.5	53.81	
152.0	000.1900	0040.0	007.6	007.8	003.9013	0046.8	026.4	53.83	
153.0	000.1900	0040.0	007.6	007.5	003.8753	0046.7	026.3	53.85	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
154.0	000.1900	0040.0	007.6	007.3	003.8489	0046.7	026.3	53.86
155.0	000.1900	0040.0	007.6	007.1	003.8222	0046.7	026.2	53.87
156.0	000.1900	0040.0	007.6	006.8	003.7951	0046.6	026.1	53.88
157.0	000.1900	0040.0	007.6	006.6	003.7676	0046.6	026.1	53.88
158.0	000.1900	0040.0	007.6	006.3	003.7399	0046.5	026.0	53.89
159.0	000.1900	0040.0	007.6	006.1	003.7119	0046.5	025.9	53.89
160.0	000.1900	0040.0	007.6	005.8	003.6835	0046.5	025.9	53.89
161.0	000.1900	0040.0	007.6	005.5	003.6551	0046.4	025.8	53.88
162.0	000.1900	0040.0	007.6	005.3	003.6262	0046.4	025.8	53.88
163.0	000.1900	0040.0	007.6	005.0	003.5972	0046.3	025.7	53.87
164.0	000.1900	0040.0	007.6	004.7	003.5680	0046.3	025.7	53.86
165.0	000.1900	0040.0	007.6	004.4	003.5385	0046.3	025.6	53.84
166.0	000.1900	0040.0	007.6	004.2	003.5091	0046.2	025.6	53.83
167.0	000.1900	0040.0	007.6	003.9	003.4794	0046.2	025.5	53.81
168.0	000.1900	0040.0	007.6	003.6	003.4494	0046.1	025.5	53.79
169.0	000.1900	0040.0	007.6	003.3	003.4195	0046.1	025.5	53.76
170.0	000.1900	0040.0	007.6	003.0	003.3896	0046.0	025.4	53.74
171.0	000.1900	0040.0	007.6	002.7	003.3596	0046.0	025.4	53.71
172.0	000.1900	0040.0	007.6	002.4	003.3294	0045.9	025.4	53.68
173.0	000.1900	0040.0	007.6	002.1	003.2993	0045.9	025.4	53.65
174.0	000.1900	0040.0	007.6	001.8	003.2693	0045.9	025.3	53.61
175.0	000.1900	0040.0	007.6	001.6	003.2392	0045.8	025.3	53.57
176.0	000.1900	0040.0	007.6	001.3	003.2091	0045.8	025.3	53.53
177.0	000.1900	0040.0	007.6	001.0	003.1790	0045.7	025.3	53.49
178.0	000.1900	0040.0	007.6	000.7	003.1492	0045.7	025.3	53.45
179.0	000.1900	0040.0	007.6	000.4	003.1195	0045.6	025.3	53.40
180.0	000.1900	0040.0	007.6	000.1	003.0897	0045.6	025.3	53.35
181.0	000.1900	0040.0	007.6	359.8	003.0764	0045.5	025.3	53.32
182.0	000.1900	0040.0	007.6	359.5	003.0674	0045.5	025.3	53.30
183.0	000.1900	0040.0	007.6	359.2	003.0583	0045.4	025.3	53.27
184.0	000.1900	0040.0	007.6	358.9	003.0493	0045.4	025.3	53.24
185.0	000.1900	0040.0	007.6	358.6	003.0403	0045.3	025.3	53.21
186.0	000.1900	0040.0	007.6	358.3	003.0313	0045.3	025.3	53.17
187.0	000.1900	0040.0	007.6	358.0	003.0224	0045.2	025.4	53.14
188.0	000.1900	0040.0	007.6	357.7	003.0136	0045.2	025.4	53.10
189.0	000.1900	0040.0	007.6	357.4	003.0048	0045.2	025.4	53.06
190.0	000.1900	0040.0	007.6	357.1	002.9961	0045.1	025.4	53.03
191.0	000.1900	0040.0	007.6	356.8	002.9874	0045.1	025.5	52.99
192.0	000.1900	0040.0	007.6	356.5	002.9789	0045.1	025.5	52.95
193.0	000.1900	0040.0	007.6	356.2	002.9703	0045.1	025.5	52.90
194.0	000.1900	0040.0	007.6	356.0	002.9619	0045.0	025.6	52.86
195.0	000.1900	0040.0	007.6	355.7	002.9536	0045.0	025.6	52.81
196.0	000.1900	0039.9	007.6	355.4	002.9455	0045.0	025.7	52.76
197.0	000.1900	0039.6	007.5	355.2	002.9382	0045.0	025.7	52.69
198.0	000.1900	0039.2	007.5	354.9	002.9313	0044.9	025.8	52.62
199.0	000.1900	0038.8	007.5	354.7	002.9244	0044.9	025.9	52.54
200.0	000.1900	0038.7	007.4	354.5	002.9170	0044.9	026.0	52.48
201.0	000.1900	0038.7	007.4	354.2	002.9095	0044.9	026.0	52.43
202.0	000.1900	0038.6	007.4	354.0	002.9023	0044.8	026.1	52.37
203.0	000.1900	0038.4	007.4	353.7	002.8954	0044.8	026.2	52.30
204.0	000.1900	0038.3	007.4	353.5	002.8887	0044.8	026.3	52.24

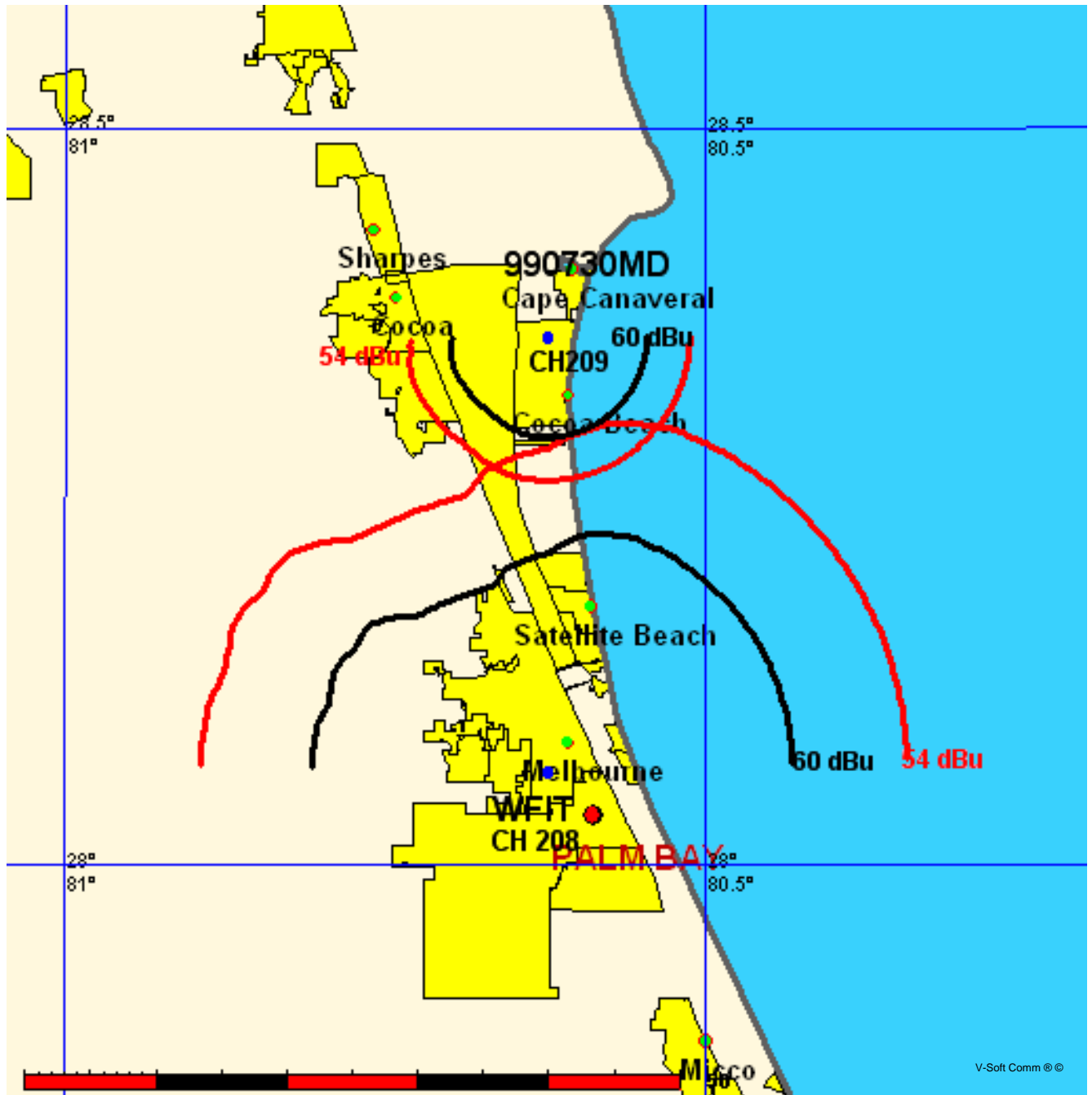
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
205.0	000.1900	0038.3	007.4	353.3	002.8816	0044.8	026.3	52.18
206.0	000.1900	0038.3	007.4	353.0	002.8747	0044.7	026.4	52.12
207.0	000.1900	0038.1	007.4	352.8	002.8684	0044.7	026.5	52.05
208.0	000.1900	0037.9	007.4	352.6	002.8626	0044.7	026.6	51.97
209.0	000.1900	0037.5	007.3	352.4	002.8572	0044.6	026.7	51.89
210.0	000.1900	0037.2	007.3	352.2	002.8519	0044.6	026.8	51.81
211.0	000.1900	0037.0	007.3	352.1	002.8467	0044.6	026.9	51.73
212.0	000.1900	0036.8	007.3	351.9	002.8413	0044.5	027.0	51.65
213.0	000.1900	0036.7	007.3	351.7	002.8357	0044.5	027.1	51.58
214.0	000.1900	0036.7	007.3	351.5	002.8298	0044.4	027.2	51.51
215.0	000.1900	0036.8	007.3	351.3	002.8240	0044.4	027.2	51.44
216.0	000.1900	0036.7	007.3	351.1	002.8186	0044.4	027.3	51.37
217.0	000.1900	0036.6	007.2	350.9	002.8137	0044.3	027.4	51.29
218.0	000.1900	0036.4	007.2	350.8	002.8092	0044.3	027.5	51.22
219.0	000.1900	0036.3	007.2	350.6	002.8049	0044.3	027.6	51.14
220.0	000.1900	0036.1	007.2	350.5	002.8006	0044.2	027.7	51.06
221.0	000.1900	0036.1	007.2	350.3	002.7960	0044.2	027.8	50.99
222.0	000.1900	0036.2	007.2	350.1	002.7906	0044.1	027.9	50.92
223.0	000.1900	0036.5	007.2	349.9	002.7880	0044.1	028.0	50.85
224.0	000.1900	0036.8	007.3	349.7	002.7924	0044.0	028.1	50.79
225.0	000.1900	0037.0	007.3	349.6	002.7963	0043.9	028.2	50.73
226.0	000.1900	0037.2	007.3	349.4	002.7999	0043.9	028.3	50.67
227.0	000.1900	0037.4	007.3	349.2	002.8036	0043.8	028.4	50.60
228.0	000.1900	0037.5	007.3	349.1	002.8072	0043.7	028.5	50.53
229.0	000.1900	0037.6	007.3	348.9	002.8103	0043.6	028.6	50.46
230.0	000.1900	0037.6	007.3	348.8	002.8130	0043.6	028.7	50.39
231.0	000.1900	0037.7	007.3	348.7	002.8158	0043.5	028.8	50.31
232.0	000.1900	0037.7	007.4	348.5	002.8186	0043.4	028.9	50.24
233.0	000.1900	0037.7	007.4	348.4	002.8211	0043.3	029.0	50.16
234.0	000.1900	0037.6	007.3	348.3	002.8228	0043.3	029.2	50.08
235.0	000.1900	0037.4	007.3	348.3	002.8244	0043.2	029.3	50.00
236.0	000.1900	0037.4	007.3	348.2	002.8265	0043.1	029.4	49.93
237.0	000.1900	0037.6	007.3	348.0	002.8291	0043.0	029.5	49.85
238.0	000.1900	0037.8	007.4	347.9	002.8318	0042.9	029.6	49.77
239.0	000.1900	0038.0	007.4	347.8	002.8343	0042.8	029.7	49.69

Allocation Map
The Florida Institute Of Technology

FMCommander Single Allocation Study - 10-26-2009 - FCC NGDC 30 Sec
WFIT's Overlaps (In= 4.46 km, Out= 0.17 km)

WFIT CH 208 A DA
Lat= 28 03 51.0, Lng= 80 37 25.0
4.7 kW 45 M HAAT, 47 M COR
Prot.= 60 dBu, Intef.= 54 dBu

990730MD CH 209 A BPED19990730MD
Lat= 28 21 36.0, Lng= 80 37 24.0
0.19 kW 40 M HAAT, 40 M COR
Prot.= 60 dBu, Intef.= 54 dBu



10-26-2009

FCC NGDC 30 Sec Terrain Data

FMOver Analysis

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Protected

60 dBu

990730MD BPED19990730MD

Channel = 209A

Max ERP = 0.19 kW

RCAMSL = 40 M

N. Lat. 28 21 36.0

W. Lng. 80 37 24.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
300.0	004.7000	0041.9	017.6	212.3	000.1900	0036.8	028.5	37.37	
301.0	004.6718	0041.5	017.4	212.1	000.1900	0036.8	028.2	37.55	
302.0	004.6438	0041.3	017.4	212.0	000.1900	0036.8	027.9	37.73	
303.0	004.6158	0041.5	017.4	212.0	000.1900	0036.8	027.6	37.91	
304.0	004.5879	0041.9	017.4	212.1	000.1900	0036.8	027.3	38.09	
305.0	004.5601	0042.3	017.5	212.2	000.1900	0036.8	026.9	38.28	
306.0	004.5323	0042.5	017.5	212.2	000.1900	0036.8	026.6	38.47	
307.0	004.5047	0042.5	017.5	212.1	000.1900	0036.8	026.3	38.67	
308.0	004.4771	0042.4	017.5	211.9	000.1900	0036.8	026.0	38.86	
309.0	004.4496	0042.2	017.4	211.7	000.1900	0036.8	025.7	39.07	
310.0	004.4222	0041.9	017.3	211.4	000.1900	0036.9	025.5	39.27	
311.0	004.3405	0041.6	017.1	210.9	000.1900	0037.0	025.2	39.47	
312.0	004.2596	0041.3	017.0	210.4	000.1900	0037.1	024.9	39.68	
313.0	004.1795	0040.9	016.8	209.9	000.1900	0037.3	024.7	39.89	
314.0	004.1001	0040.5	016.6	209.3	000.1900	0037.4	024.4	40.09	
315.0	004.0214	0040.1	016.4	208.7	000.1900	0037.6	024.2	40.30	
316.0	003.9436	0039.5	016.2	208.0	000.1900	0037.9	024.0	40.49	
317.0	003.8665	0038.9	015.9	207.2	000.1900	0038.1	023.8	40.67	
318.0	003.7901	0038.2	015.7	206.4	000.1900	0038.2	023.6	40.83	
319.0	003.7145	0037.6	015.5	205.7	000.1900	0038.3	023.5	40.97	
320.0	003.6397	0037.2	015.3	205.1	000.1900	0038.3	023.3	41.10	
321.0	003.5984	0037.0	015.2	204.6	000.1900	0038.3	023.1	41.25	
322.0	003.5574	0037.0	015.2	204.2	000.1900	0038.3	022.9	41.40	
323.0	003.5167	0037.0	015.1	203.7	000.1900	0038.3	022.7	41.57	
324.0	003.4761	0037.0	015.1	203.3	000.1900	0038.4	022.5	41.74	
325.0	003.4358	0037.0	015.0	202.8	000.1900	0038.4	022.3	41.90	
326.0	003.3957	0037.0	015.0	202.4	000.1900	0038.5	022.1	42.07	
327.0	003.3559	0037.0	015.0	201.9	000.1900	0038.6	021.9	42.23	
328.0	003.3163	0037.0	014.9	201.4	000.1900	0038.7	021.7	42.39	
329.0	003.2770	0037.0	014.9	200.9	000.1900	0038.7	021.5	42.54	
330.0	003.2378	0037.0	014.8	200.4	000.1900	0038.7	021.3	42.67	
331.0	003.2145	0037.0	014.8	199.9	000.1900	0038.7	021.2	42.81	
332.0	003.1912	0037.0	014.8	199.3	000.1900	0038.7	021.0	42.96	
333.0	003.1680	0037.0	014.7	198.8	000.1900	0038.9	020.8	43.13	
334.0	003.1449	0037.0	014.7	198.2	000.1900	0039.1	020.7	43.30	
335.0	003.1219	0037.0	014.7	197.7	000.1900	0039.3	020.5	43.48	
336.0	003.0989	0037.0	014.7	197.1	000.1900	0039.6	020.4	43.66	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
337.0	003.0761	0037.0	014.6	196.5	000.1900	0039.8	020.2	43.83
338.0	003.0533	0037.0	014.6	195.9	000.1900	0039.9	020.1	43.97
339.0	003.0306	0037.1	014.6	195.3	000.1900	0040.0	019.9	44.10
340.0	003.0080	0037.1	014.6	194.6	000.1900	0040.0	019.8	44.21
341.0	002.9855	0037.2	014.6	194.0	000.1900	0040.0	019.7	44.32
342.0	002.9630	0037.4	014.6	193.4	000.1900	0040.0	019.5	44.43
343.0	002.9407	0037.5	014.6	192.7	000.1900	0040.0	019.4	44.54
344.0	002.9184	0038.0	014.6	192.2	000.1900	0040.0	019.2	44.69
345.0	002.8963	0039.0	014.8	191.7	000.1900	0040.0	018.9	44.91
346.0	002.8742	0040.4	015.0	191.3	000.1900	0040.0	018.6	45.18
347.0	002.8522	0041.8	015.3	190.9	000.1900	0040.0	018.3	45.48
348.0	002.8302	0043.0	015.5	190.4	000.1900	0040.0	018.0	45.71
349.0	002.8084	0043.7	015.6	189.7	000.1900	0040.0	017.8	45.89
350.0	002.7866	0044.1	015.7	188.9	000.1900	0040.0	017.6	46.01
351.0	002.8157	0044.3	015.8	188.2	000.1900	0040.0	017.5	46.16
352.0	002.8448	0044.5	015.8	187.4	000.1900	0040.0	017.3	46.30
353.0	002.8742	0044.7	015.9	186.6	000.1900	0040.0	017.1	46.43
354.0	002.9036	0044.8	016.0	185.7	000.1900	0040.0	017.0	46.53
355.0	002.9333	0044.9	016.1	184.8	000.1900	0040.0	016.9	46.64
356.0	002.9630	0045.0	016.1	183.9	000.1900	0040.0	016.8	46.73
357.0	002.9930	0045.1	016.2	183.0	000.1900	0040.0	016.7	46.82
358.0	003.0231	0045.2	016.3	182.0	000.1900	0040.0	016.6	46.90
359.0	003.0533	0045.4	016.3	181.1	000.1900	0040.0	016.5	46.98
000.0	003.0837	0045.6	016.4	180.1	000.1900	0040.0	016.4	47.06
001.0	003.1834	0045.7	016.6	179.1	000.1900	0040.0	016.2	47.21
002.0	003.2848	0045.9	016.8	178.0	000.1900	0040.0	016.1	47.35
003.0	003.3878	0046.0	017.0	176.9	000.1900	0040.0	015.9	47.48
004.0	003.4923	0046.2	017.1	175.8	000.1900	0040.0	015.8	47.60
005.0	003.5984	0046.3	017.3	174.6	000.1900	0040.0	015.7	47.71
006.0	003.7062	0046.5	017.5	173.4	000.1900	0040.0	015.5	47.80
007.0	003.8155	0046.6	017.7	172.1	000.1900	0040.0	015.4	47.89
008.0	003.9264	0046.8	017.8	170.8	000.1900	0040.0	015.4	47.95
009.0	004.0388	0046.9	018.0	169.5	000.1900	0040.0	015.3	48.00
010.0	004.1529	0046.9	018.1	168.2	000.1900	0040.0	015.3	48.02
011.0	004.2061	0047.0	018.2	167.1	000.1900	0040.0	015.4	47.97
012.0	004.2596	0047.0	018.3	165.9	000.1900	0040.0	015.4	47.90
013.0	004.3135	0047.0	018.3	164.7	000.1900	0040.0	015.5	47.82
014.0	004.3677	0047.0	018.4	163.6	000.1900	0040.0	015.6	47.73
015.0	004.4222	0047.0	018.4	162.5	000.1900	0040.0	015.7	47.62
016.0	004.4771	0047.0	018.5	161.4	000.1900	0040.0	015.9	47.51
017.0	004.5323	0047.0	018.6	160.3	000.1900	0040.0	016.0	47.39
018.0	004.5879	0047.0	018.6	159.3	000.1900	0040.0	016.2	47.26
019.0	004.6438	0047.0	018.7	158.3	000.1900	0040.0	016.3	47.12
020.0	004.7000	0047.0	018.7	157.3	000.1900	0040.0	016.5	46.97
021.0	004.7000	0047.0	018.7	156.5	000.1900	0040.0	016.7	46.78
022.0	004.7000	0047.0	018.7	155.7	000.1900	0040.0	017.0	46.58
023.0	004.7000	0047.0	018.7	155.0	000.1900	0040.0	017.2	46.37
024.0	004.7000	0047.0	018.7	154.3	000.1900	0040.0	017.5	46.16
025.0	004.7000	0047.0	018.7	153.6	000.1900	0040.0	017.7	45.95
026.0	004.7000	0047.0	018.7	152.9	000.1900	0040.0	018.0	45.73
027.0	004.7000	0047.0	018.7	152.3	000.1900	0040.0	018.2	45.51

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
028.0	004.7000	0047.0	018.7	151.7	000.1900	0040.0	018.5	45.28
029.0	004.7000	0047.0	018.7	151.2	000.1900	0040.0	018.8	45.05
030.0	004.7000	0047.0	018.7	150.7	000.1900	0040.0	019.1	44.82
031.0	004.7000	0047.0	018.7	150.2	000.1900	0040.0	019.3	44.59
032.0	004.7000	0047.0	018.7	149.7	000.1900	0040.0	019.6	44.35
033.0	004.7000	0047.0	018.7	149.3	000.1900	0040.0	019.9	44.12
034.0	004.7000	0047.0	018.7	148.9	000.1900	0040.0	020.2	43.88
035.0	004.7000	0047.0	018.7	148.5	000.1900	0040.0	020.5	43.64
036.0	004.7000	0047.0	018.7	148.2	000.1900	0040.0	020.8	43.40
037.0	004.7000	0047.0	018.7	147.9	000.1900	0040.0	021.1	43.16
038.0	004.7000	0047.0	018.7	147.6	000.1900	0040.0	021.4	42.91
039.0	004.7000	0047.0	018.7	147.3	000.1900	0040.0	021.7	42.67
040.0	004.7000	0047.0	018.7	147.0	000.1900	0040.0	022.0	42.43
041.0	004.7000	0047.0	018.7	146.8	000.1900	0040.0	022.4	42.19
042.0	004.7000	0047.0	018.7	146.6	000.1900	0040.0	022.7	41.95
043.0	004.7000	0047.0	018.7	146.4	000.1900	0040.0	023.0	41.72
044.0	004.7000	0047.0	018.7	146.2	000.1900	0040.0	023.3	41.48
045.0	004.7000	0047.0	018.7	146.0	000.1900	0040.0	023.6	41.24
046.0	004.7000	0047.0	018.7	145.9	000.1900	0040.0	023.9	41.01
047.0	004.7000	0047.0	018.7	145.8	000.1900	0040.0	024.3	40.78
048.0	004.7000	0047.0	018.7	145.6	000.1900	0040.0	024.6	40.55
049.0	004.7000	0047.0	018.7	145.6	000.1900	0040.0	024.9	40.33
050.0	004.7000	0047.0	018.7	145.5	000.1900	0040.0	025.2	40.10
051.0	004.7000	0047.0	018.7	145.4	000.1900	0040.0	025.6	39.88
052.0	004.7000	0047.0	018.7	145.4	000.1900	0040.0	025.9	39.66
053.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	026.2	39.45
054.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	026.6	39.24
055.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	026.9	39.03
056.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	027.2	38.83
057.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	027.5	38.63
058.0	004.7000	0047.0	018.7	145.3	000.1900	0040.0	027.9	38.43
059.0	004.7000	0047.0	018.7	145.4	000.1900	0040.0	028.2	38.24

10-26-2009 FCC NGDC 30 Sec Terrain Data

990730MD BPED19990730MD

Channel = 209A

Max ERP = 0.19 kW

RCAMSL = 40 M

N. Lat. 28 21 36.0

W. Lng. 80 37 24.0

Protected

60 dBu

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
120.0	000.1900	0040.0	007.6	012.7	004.2988	0047.0	029.8	52.28	
121.0	000.1900	0040.0	007.6	012.6	004.2945	0047.0	029.7	52.34	
122.0	000.1900	0040.0	007.6	012.6	004.2901	0047.0	029.6	52.40	
123.0	000.1900	0040.0	007.6	012.5	004.2854	0047.0	029.4	52.47	
124.0	000.1900	0040.0	007.6	012.4	004.2804	0047.0	029.3	52.53	
125.0	000.1900	0040.0	007.6	012.3	004.2752	0047.0	029.2	52.59	
126.0	000.1900	0040.0	007.6	012.2	004.2698	0047.0	029.1	52.65	
127.0	000.1900	0040.0	007.6	012.1	004.2640	0047.0	029.0	52.71	
128.0	000.1900	0040.0	007.6	012.0	004.2580	0047.0	028.8	52.78	
129.0	000.1900	0040.0	007.6	011.9	004.2517	0047.0	028.7	52.84	
130.0	000.1900	0040.0	007.6	011.7	004.2452	0047.0	028.6	52.90	
131.0	000.1900	0040.0	007.6	011.6	004.2383	0047.0	028.5	52.96	
132.0	000.1900	0040.0	007.6	011.5	004.2312	0047.0	028.4	53.02	
133.0	000.1900	0040.0	007.6	011.3	004.2239	0047.0	028.3	53.08	
134.0	000.1900	0040.0	007.6	011.2	004.2163	0047.0	028.1	53.13	
135.0	000.1900	0040.0	007.6	011.0	004.2083	0047.0	028.0	53.19	
136.0	000.1900	0040.0	007.6	010.9	004.2002	0047.0	027.9	53.25	
137.0	000.1900	0040.0	007.6	010.7	004.1918	0047.0	027.8	53.30	
138.0	000.1900	0040.0	007.6	010.6	004.1831	0047.0	027.7	53.36	
139.0	000.1900	0040.0	007.6	010.4	004.1742	0047.0	027.6	53.41	
140.0	000.1900	0040.0	007.6	010.2	004.1651	0047.0	027.5	53.46	
141.0	000.1900	0040.0	007.6	010.0	004.1556	0046.9	027.4	53.51	
142.0	000.1900	0040.0	007.6	009.9	004.1377	0046.9	027.3	53.56	
143.0	000.1900	0040.0	007.6	009.7	004.1162	0046.9	027.2	53.59	
144.0	000.1900	0040.0	007.6	009.5	004.0942	0046.9	027.1	53.63	
145.0	000.1900	0040.0	007.6	009.3	004.0716	0046.9	027.0	53.66	
146.0	000.1900	0040.0	007.6	009.1	004.0487	0046.9	026.9	53.69	
147.0	000.1900	0040.0	007.6	008.9	004.0251	0046.9	026.8	53.72	
148.0	000.1900	0040.0	007.6	008.7	004.0012	0046.9	026.7	53.75	
149.0	000.1900	0040.0	007.6	008.5	003.9770	0046.8	026.7	53.77	
150.0	000.1900	0040.0	007.6	008.2	003.9522	0046.8	026.6	53.79	
151.0	000.1900	0040.0	007.6	008.0	003.9269	0046.8	026.5	53.81	
152.0	000.1900	0040.0	007.6	007.8	003.9013	0046.8	026.4	53.83	
153.0	000.1900	0040.0	007.6	007.5	003.8753	0046.7	026.3	53.85	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
154.0	000.1900	0040.0	007.6	007.3	003.8489	0046.7	026.3	53.86
155.0	000.1900	0040.0	007.6	007.1	003.8222	0046.7	026.2	53.87
156.0	000.1900	0040.0	007.6	006.8	003.7951	0046.6	026.1	53.88
157.0	000.1900	0040.0	007.6	006.6	003.7676	0046.6	026.1	53.88
158.0	000.1900	0040.0	007.6	006.3	003.7399	0046.5	026.0	53.89
159.0	000.1900	0040.0	007.6	006.1	003.7119	0046.5	025.9	53.89
160.0	000.1900	0040.0	007.6	005.8	003.6835	0046.5	025.9	53.89
161.0	000.1900	0040.0	007.6	005.5	003.6551	0046.4	025.8	53.88
162.0	000.1900	0040.0	007.6	005.3	003.6262	0046.4	025.8	53.88
163.0	000.1900	0040.0	007.6	005.0	003.5972	0046.3	025.7	53.87
164.0	000.1900	0040.0	007.6	004.7	003.5680	0046.3	025.7	53.86
165.0	000.1900	0040.0	007.6	004.4	003.5385	0046.3	025.6	53.84
166.0	000.1900	0040.0	007.6	004.2	003.5091	0046.2	025.6	53.83
167.0	000.1900	0040.0	007.6	003.9	003.4794	0046.2	025.5	53.81
168.0	000.1900	0040.0	007.6	003.6	003.4494	0046.1	025.5	53.79
169.0	000.1900	0040.0	007.6	003.3	003.4195	0046.1	025.5	53.76
170.0	000.1900	0040.0	007.6	003.0	003.3896	0046.0	025.4	53.74
171.0	000.1900	0040.0	007.6	002.7	003.3596	0046.0	025.4	53.71
172.0	000.1900	0040.0	007.6	002.4	003.3294	0045.9	025.4	53.68
173.0	000.1900	0040.0	007.6	002.1	003.2993	0045.9	025.4	53.65
174.0	000.1900	0040.0	007.6	001.8	003.2693	0045.9	025.3	53.61
175.0	000.1900	0040.0	007.6	001.6	003.2392	0045.8	025.3	53.57
176.0	000.1900	0040.0	007.6	001.3	003.2091	0045.8	025.3	53.53
177.0	000.1900	0040.0	007.6	001.0	003.1790	0045.7	025.3	53.49
178.0	000.1900	0040.0	007.6	000.7	003.1492	0045.7	025.3	53.45
179.0	000.1900	0040.0	007.6	000.4	003.1195	0045.6	025.3	53.40
180.0	000.1900	0040.0	007.6	000.1	003.0897	0045.6	025.3	53.35
181.0	000.1900	0040.0	007.6	359.8	003.0764	0045.5	025.3	53.32
182.0	000.1900	0040.0	007.6	359.5	003.0674	0045.5	025.3	53.30
183.0	000.1900	0040.0	007.6	359.2	003.0583	0045.4	025.3	53.27
184.0	000.1900	0040.0	007.6	358.9	003.0493	0045.4	025.3	53.24
185.0	000.1900	0040.0	007.6	358.6	003.0403	0045.3	025.3	53.21
186.0	000.1900	0040.0	007.6	358.3	003.0313	0045.3	025.3	53.17
187.0	000.1900	0040.0	007.6	358.0	003.0224	0045.2	025.4	53.14
188.0	000.1900	0040.0	007.6	357.7	003.0136	0045.2	025.4	53.10
189.0	000.1900	0040.0	007.6	357.4	003.0048	0045.2	025.4	53.06
190.0	000.1900	0040.0	007.6	357.1	002.9961	0045.1	025.4	53.03
191.0	000.1900	0040.0	007.6	356.8	002.9874	0045.1	025.5	52.99
192.0	000.1900	0040.0	007.6	356.5	002.9789	0045.1	025.5	52.95
193.0	000.1900	0040.0	007.6	356.2	002.9703	0045.1	025.5	52.90
194.0	000.1900	0040.0	007.6	356.0	002.9619	0045.0	025.6	52.86
195.0	000.1900	0040.0	007.6	355.7	002.9536	0045.0	025.6	52.81
196.0	000.1900	0039.9	007.6	355.4	002.9455	0045.0	025.7	52.76
197.0	000.1900	0039.6	007.5	355.2	002.9382	0045.0	025.7	52.69
198.0	000.1900	0039.2	007.5	354.9	002.9313	0044.9	025.8	52.62
199.0	000.1900	0038.8	007.5	354.7	002.9244	0044.9	025.9	52.54
200.0	000.1900	0038.7	007.4	354.5	002.9170	0044.9	026.0	52.48
201.0	000.1900	0038.7	007.4	354.2	002.9095	0044.9	026.0	52.43
202.0	000.1900	0038.6	007.4	354.0	002.9023	0044.8	026.1	52.37
203.0	000.1900	0038.4	007.4	353.7	002.8954	0044.8	026.2	52.30
204.0	000.1900	0038.3	007.4	353.5	002.8887	0044.8	026.3	52.24

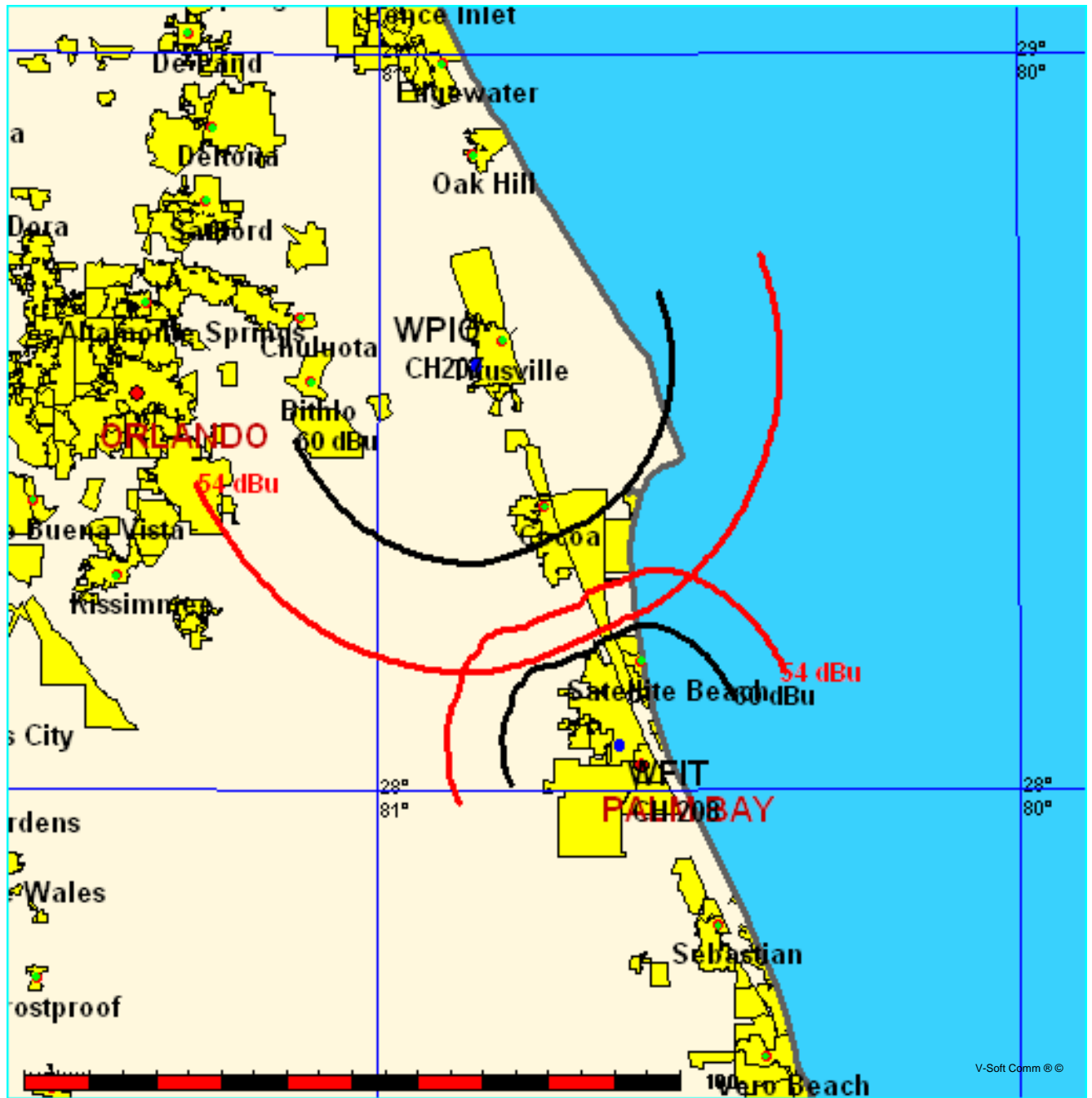
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
205.0	000.1900	0038.3	007.4	353.3	002.8816	0044.8	026.3	52.18
206.0	000.1900	0038.3	007.4	353.0	002.8747	0044.7	026.4	52.12
207.0	000.1900	0038.1	007.4	352.8	002.8684	0044.7	026.5	52.05
208.0	000.1900	0037.9	007.4	352.6	002.8626	0044.7	026.6	51.97
209.0	000.1900	0037.5	007.3	352.4	002.8572	0044.6	026.7	51.89
210.0	000.1900	0037.2	007.3	352.2	002.8519	0044.6	026.8	51.81
211.0	000.1900	0037.0	007.3	352.1	002.8467	0044.6	026.9	51.73
212.0	000.1900	0036.8	007.3	351.9	002.8413	0044.5	027.0	51.65
213.0	000.1900	0036.7	007.3	351.7	002.8357	0044.5	027.1	51.58
214.0	000.1900	0036.7	007.3	351.5	002.8298	0044.4	027.2	51.51
215.0	000.1900	0036.8	007.3	351.3	002.8240	0044.4	027.2	51.44
216.0	000.1900	0036.7	007.3	351.1	002.8186	0044.4	027.3	51.37
217.0	000.1900	0036.6	007.2	350.9	002.8137	0044.3	027.4	51.29
218.0	000.1900	0036.4	007.2	350.8	002.8092	0044.3	027.5	51.22
219.0	000.1900	0036.3	007.2	350.6	002.8049	0044.3	027.6	51.14
220.0	000.1900	0036.1	007.2	350.5	002.8006	0044.2	027.7	51.06
221.0	000.1900	0036.1	007.2	350.3	002.7960	0044.2	027.8	50.99
222.0	000.1900	0036.2	007.2	350.1	002.7906	0044.1	027.9	50.92
223.0	000.1900	0036.5	007.2	349.9	002.7880	0044.1	028.0	50.85
224.0	000.1900	0036.8	007.3	349.7	002.7924	0044.0	028.1	50.79
225.0	000.1900	0037.0	007.3	349.6	002.7963	0043.9	028.2	50.73
226.0	000.1900	0037.2	007.3	349.4	002.7999	0043.9	028.3	50.67
227.0	000.1900	0037.4	007.3	349.2	002.8036	0043.8	028.4	50.60
228.0	000.1900	0037.5	007.3	349.1	002.8072	0043.7	028.5	50.53
229.0	000.1900	0037.6	007.3	348.9	002.8103	0043.6	028.6	50.46
230.0	000.1900	0037.6	007.3	348.8	002.8130	0043.6	028.7	50.39
231.0	000.1900	0037.7	007.3	348.7	002.8158	0043.5	028.8	50.31
232.0	000.1900	0037.7	007.4	348.5	002.8186	0043.4	028.9	50.24
233.0	000.1900	0037.7	007.4	348.4	002.8211	0043.3	029.0	50.16
234.0	000.1900	0037.6	007.3	348.3	002.8228	0043.3	029.2	50.08
235.0	000.1900	0037.4	007.3	348.3	002.8244	0043.2	029.3	50.00
236.0	000.1900	0037.4	007.3	348.2	002.8265	0043.1	029.4	49.93
237.0	000.1900	0037.6	007.3	348.0	002.8291	0043.0	029.5	49.85
238.0	000.1900	0037.8	007.4	347.9	002.8318	0042.9	029.6	49.77
239.0	000.1900	0038.0	007.4	347.8	002.8343	0042.8	029.7	49.69

Allocation Map
The Florida Institute Of Technology

FMCommander Single Allocation Study - 10-26-2009 - FCC NGDC 30 Sec
WFIT's Overlaps (In= 1.54 km, Out= 10.34 km)

WFIT CH 208 A DA
Lat= 28 03 51.0, Lng= 80 37 25.0
4.7 kW 45 M HAAT, 47 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WPIO CH 207 C3 BLED20050822BLF
Lat= 28 34 49.0, Lng= 80 51 00.0
7.1 kW 102 M HAAT, 105 M COR
Prot.= 60 dBu, Intef.= 54 dBu

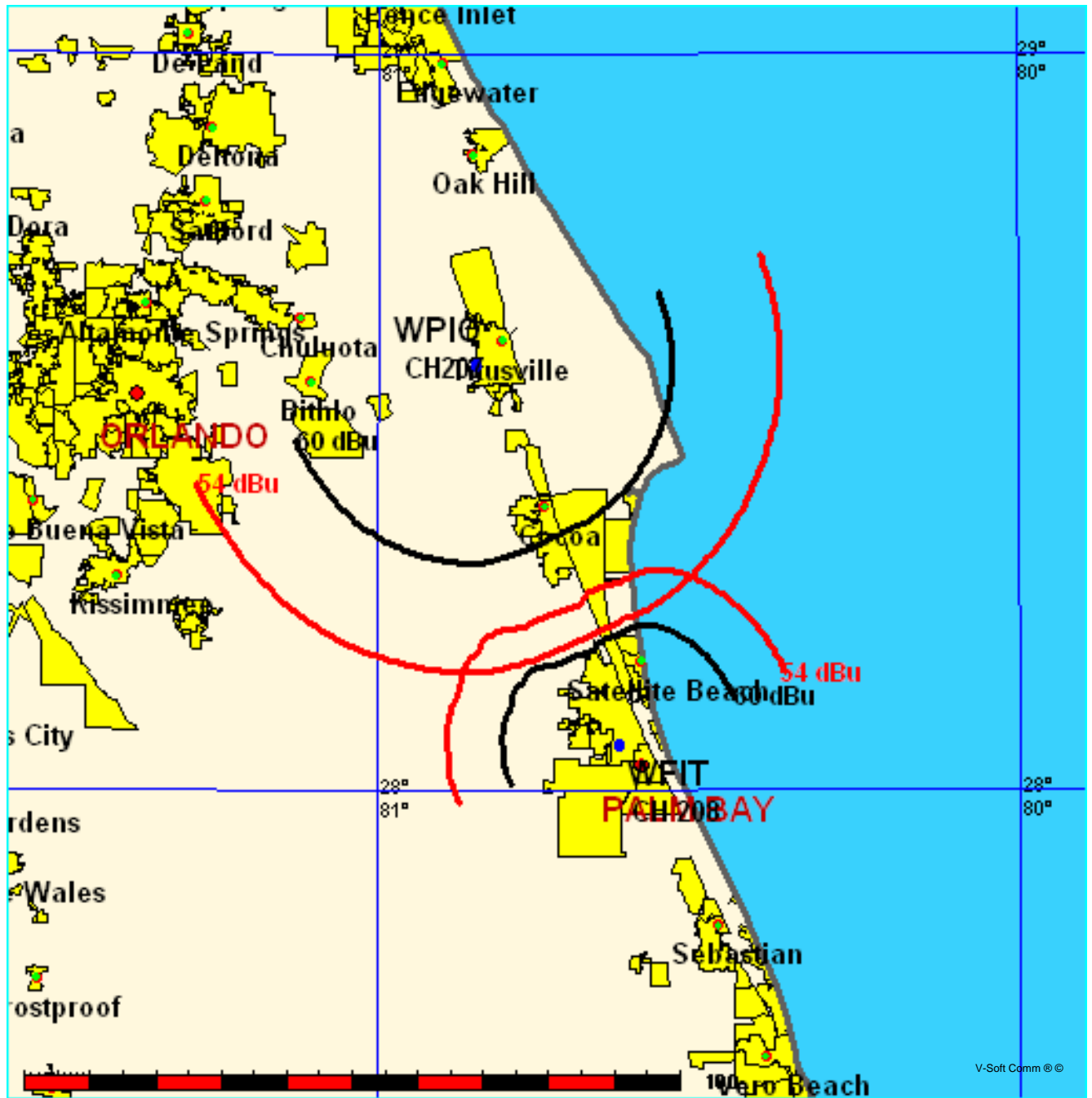


Allocation Map
The Florida Institute Of Technology

FMCommander Single Allocation Study - 10-26-2009 - FCC NGDC 30 Sec
WFIT's Overlaps (In= 1.54 km, Out= 10.34 km)

WFIT CH 208 A DA
Lat= 28 03 51.0, Lng= 80 37 25.0
4.7 kW 45 M HAAT, 47 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WPIO CH 207 C3 BLED20050822BLF
Lat= 28 34 49.0, Lng= 80 51 00.0
7.1 kW 102 M HAAT, 105 M COR
Prot.= 60 dBu, Intef.= 54 dBu



10-26-2009

FCC NGDC 30 Sec Terrain Data

FMOver Analysis

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Protected

60 dBu

WPIO BLED20050822BLF

Channel = 207C3

Max ERP = 7.1 kW

RCAMSL = 105 M

N. Lat. 28 34 49.0

W. Lng. 80 51 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)
279.0	004.7000	0043.3	017.9	175.3	007.1000	0103.5	054.8	50.76	
280.0	004.7000	0043.3	017.9	175.2	007.1000	0103.5	054.5	50.88	
281.0	004.7000	0043.3	017.9	175.1	007.1000	0103.5	054.1	50.99	
282.0	004.7000	0043.1	017.9	175.0	007.1000	0103.4	053.9	51.09	
283.0	004.7000	0042.7	017.8	174.8	007.1000	0103.2	053.6	51.19	
284.0	004.7000	0042.2	017.6	174.5	007.1000	0103.1	053.3	51.28	
285.0	004.7000	0041.8	017.6	174.3	007.1000	0103.0	053.1	51.37	
286.0	004.7000	0041.7	017.5	174.2	007.1000	0102.9	052.8	51.47	
287.0	004.7000	0041.6	017.5	174.0	007.1000	0102.8	052.5	51.57	
288.0	004.7000	0041.7	017.5	173.9	007.1000	0102.7	052.2	51.67	
289.0	004.7000	0041.9	017.6	173.8	007.1000	0102.6	051.9	51.78	
290.0	004.7000	0042.1	017.6	173.7	007.1000	0102.6	051.6	51.89	
291.0	004.7000	0042.4	017.7	173.6	007.1000	0102.5	051.3	52.00	
292.0	004.7000	0042.7	017.8	173.6	007.1000	0102.4	051.0	52.12	
293.0	004.7000	0043.0	017.8	173.5	007.1000	0102.4	050.7	52.23	
294.0	004.7000	0043.3	017.9	173.3	007.1000	0102.3	050.4	52.34	
295.0	004.7000	0043.3	017.9	173.2	007.1000	0102.1	050.1	52.43	
296.0	004.7000	0043.3	017.9	173.0	007.1000	0101.9	049.9	52.52	
297.0	004.7000	0043.1	017.8	172.7	007.1000	0101.8	049.7	52.59	
298.0	004.7000	0042.8	017.8	172.5	007.1000	0101.6	049.4	52.66	
299.0	004.7000	0042.4	017.7	172.2	007.1000	0101.4	049.2	52.72	
300.0	004.7000	0041.9	017.6	171.8	007.1000	0101.2	049.1	52.78	
301.0	004.6718	0041.5	017.4	171.5	007.1000	0101.1	048.9	52.83	
302.0	004.6438	0041.3	017.4	171.2	007.1000	0101.0	048.7	52.89	
303.0	004.6158	0041.5	017.4	171.0	007.1000	0100.8	048.5	52.97	
304.0	004.5879	0041.9	017.4	170.8	007.1000	0100.7	048.2	53.06	
305.0	004.5601	0042.3	017.5	170.6	007.1000	0100.6	047.9	53.15	
306.0	004.5323	0042.5	017.5	170.3	007.1000	0100.5	047.7	53.23	
307.0	004.5047	0042.5	017.5	170.1	007.1000	0100.4	047.5	53.29	
308.0	004.4771	0042.4	017.5	169.7	007.1000	0100.2	047.4	53.34	
309.0	004.4496	0042.2	017.4	169.4	007.1000	0100.0	047.2	53.38	
310.0	004.4222	0041.9	017.3	169.0	007.1000	0099.8	047.1	53.41	
311.0	004.3405	0041.6	017.1	168.6	007.1000	0099.5	047.0	53.41	
312.0	004.2596	0041.3	017.0	168.2	007.1000	0099.3	047.0	53.41	
313.0	004.1795	0040.9	016.8	167.8	007.1000	0099.0	047.0	53.40	
314.0	004.1001	0040.5	016.6	167.4	007.1000	0098.8	046.9	53.39	
315.0	004.0214	0040.1	016.4	167.0	007.1000	0098.6	046.9	53.37	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
316.0	003.9436	0039.5	016.2	166.5	007.1000	0098.4	047.0	53.34
317.0	003.8665	0038.9	015.9	166.1	007.1000	0098.2	047.1	53.29
318.0	003.7901	0038.2	015.7	165.7	007.1000	0098.0	047.1	53.25
319.0	003.7145	0037.6	015.5	165.2	007.1000	0097.9	047.2	53.22
320.0	003.6397	0037.2	015.3	164.9	007.1000	0097.8	047.2	53.19
321.0	003.5984	0037.0	015.2	164.5	007.1000	0097.6	047.2	53.19
322.0	003.5574	0037.0	015.2	164.2	007.1000	0097.5	047.2	53.20
323.0	003.5167	0037.0	015.1	163.9	007.1000	0097.4	047.1	53.22
324.0	003.4761	0037.0	015.1	163.6	007.1000	0097.3	047.0	53.23
325.0	003.4358	0037.0	015.0	163.2	007.1000	0097.3	047.0	53.24
326.0	003.3957	0037.0	015.0	162.9	007.1000	0097.2	047.0	53.25
327.0	003.3559	0037.0	015.0	162.6	007.1000	0097.1	046.9	53.25
328.0	003.3163	0037.0	014.9	162.3	007.1000	0097.0	046.9	53.25
329.0	003.2770	0037.0	014.9	161.9	007.1000	0096.9	046.9	53.25
330.0	003.2378	0037.0	014.8	161.6	007.1000	0096.8	046.9	53.24
331.0	003.2145	0037.0	014.8	161.3	007.1000	0096.6	046.9	53.24
332.0	003.1912	0037.0	014.8	161.0	007.1000	0096.5	046.8	53.23
333.0	003.1680	0037.0	014.7	160.7	007.1000	0096.3	046.8	53.23
334.0	003.1449	0037.0	014.7	160.4	007.1000	0096.2	046.8	53.22
335.0	003.1219	0037.0	014.7	160.0	007.1000	0096.0	046.8	53.20
336.0	003.0989	0037.0	014.7	159.7	007.1000	0095.9	046.8	53.19
337.0	003.0761	0037.0	014.6	159.4	007.1000	0095.8	046.9	53.18
338.0	003.0533	0037.0	014.6	159.1	007.1000	0095.7	046.9	53.16
339.0	003.0306	0037.1	014.6	158.8	007.1000	0095.6	046.9	53.15
340.0	003.0080	0037.1	014.6	158.5	007.1000	0095.5	046.9	53.14
341.0	002.9855	0037.2	014.6	158.2	007.1000	0095.5	046.9	53.13
342.0	002.9630	0037.4	014.6	157.9	007.1000	0095.4	046.9	53.11
343.0	002.9407	0037.5	014.6	157.6	007.1000	0095.4	047.0	53.10
344.0	002.9184	0038.0	014.6	157.2	007.1000	0095.3	046.9	53.12
345.0	002.8963	0039.0	014.8	156.9	007.1000	0095.3	046.8	53.16
346.0	002.8742	0040.4	015.0	156.5	007.1000	0095.3	046.6	53.24
347.0	002.8522	0041.8	015.3	156.2	007.1000	0095.2	046.4	53.32
348.0	002.8302	0043.0	015.5	155.8	007.1000	0095.2	046.2	53.37
349.0	002.8084	0043.7	015.6	155.4	007.1000	0095.2	046.2	53.39
350.0	002.7866	0044.1	015.7	155.1	007.1000	0095.2	046.2	53.38
351.0	002.8157	0044.3	015.8	154.7	007.1000	0095.2	046.2	53.39
352.0	002.8448	0044.5	015.8	154.4	007.1000	0095.2	046.2	53.39
353.0	002.8742	0044.7	015.9	154.0	007.1000	0095.2	046.2	53.38
354.0	002.9036	0044.8	016.0	153.6	007.1000	0095.2	046.2	53.37
355.0	002.9333	0044.9	016.1	153.3	007.1000	0095.2	046.2	53.36
356.0	002.9630	0045.0	016.1	152.9	007.1000	0095.2	046.3	53.34
357.0	002.9930	0045.1	016.2	152.6	007.1000	0095.2	046.3	53.32
358.0	003.0231	0045.2	016.3	152.2	007.1000	0095.2	046.4	53.30
359.0	003.0533	0045.4	016.3	151.9	007.1000	0095.2	046.4	53.28
000.0	003.0837	0045.6	016.4	151.5	007.1000	0095.2	046.5	53.26
001.0	003.1834	0045.7	016.6	151.1	007.1000	0095.2	046.5	53.27
002.0	003.2848	0045.9	016.8	150.7	007.1000	0095.2	046.5	53.27
003.0	003.3878	0046.0	017.0	150.3	007.1000	0095.2	046.5	53.27
004.0	003.4923	0046.2	017.1	149.8	007.1000	0095.3	046.5	53.27
005.0	003.5984	0046.3	017.3	149.4	007.1000	0095.4	046.5	53.27
006.0	003.7062	0046.5	017.5	149.0	007.1000	0095.6	046.6	53.27

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
007.0	003.8155	0046.6	017.7	148.5	007.1000	0095.8	046.6	53.27
008.0	003.9264	0046.8	017.8	148.1	007.1000	0096.1	046.7	53.27
009.0	004.0388	0046.9	018.0	147.7	007.1000	0096.5	046.8	53.26
010.0	004.1529	0046.9	018.1	147.3	007.1000	0096.8	046.9	53.26
011.0	004.2061	0047.0	018.2	147.0	007.1000	0097.2	047.0	53.22
012.0	004.2596	0047.0	018.3	146.6	007.1000	0097.5	047.2	53.18
013.0	004.3135	0047.0	018.3	146.3	007.1000	0097.8	047.4	53.13
014.0	004.3677	0047.0	018.4	146.0	007.1000	0098.1	047.6	53.08
015.0	004.4222	0047.0	018.4	145.7	007.1000	0098.3	047.8	53.02
016.0	004.4771	0047.0	018.5	145.4	007.1000	0098.5	048.0	52.96
017.0	004.5323	0047.0	018.6	145.1	007.1000	0098.7	048.2	52.90
018.0	004.5879	0047.0	018.6	144.8	007.1000	0098.9	048.4	52.83
019.0	004.6438	0047.0	018.7	144.5	007.1000	0099.1	048.7	52.76
020.0	004.7000	0047.0	018.7	144.2	007.1000	0099.2	048.9	52.68
021.0	004.7000	0047.0	018.7	144.0	007.1000	0099.3	049.2	52.59
022.0	004.7000	0047.0	018.7	143.8	007.1000	0099.4	049.5	52.49
023.0	004.7000	0047.0	018.7	143.6	007.1000	0099.5	049.7	52.39
024.0	004.7000	0047.0	018.7	143.4	007.1000	0099.6	050.0	52.29
025.0	004.7000	0047.0	018.7	143.3	007.1000	0099.6	050.3	52.19
026.0	004.7000	0047.0	018.7	143.1	007.1000	0099.7	050.6	52.08
027.0	004.7000	0047.0	018.7	142.9	007.1000	0099.7	050.9	51.97
028.0	004.7000	0047.0	018.7	142.8	007.1000	0099.8	051.2	51.87
029.0	004.7000	0047.0	018.7	142.6	007.1000	0099.8	051.5	51.76
030.0	004.7000	0047.0	018.7	142.5	007.1000	0099.9	051.8	51.64
031.0	004.7000	0047.0	018.7	142.3	007.1000	0099.9	052.1	51.53
032.0	004.7000	0047.0	018.7	142.2	007.1000	0100.0	052.4	51.42
033.0	004.7000	0047.0	018.7	142.1	007.1000	0100.0	052.7	51.30
034.0	004.7000	0047.0	018.7	142.0	007.1000	0100.0	053.0	51.19
035.0	004.7000	0047.0	018.7	141.9	007.1000	0100.0	053.3	51.07
036.0	004.7000	0047.0	018.7	141.8	007.1000	0100.1	053.6	50.95
037.0	004.7000	0047.0	018.7	141.7	007.1000	0100.1	053.9	50.83
038.0	004.7000	0047.0	018.7	141.6	007.1000	0100.1	054.3	50.71

10-26-2009 FCC NGDC 30 Sec Terrain Data

WPIO BLED20050822BLF

Channel = 207C3

Max ERP = 7.1 kW

RCAMSL = 105 M

N. Lat. 28 34 49.0

W. Lng. 80 51 00.0

Protected

60 dBu

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
099.0	007.1000	0104.5	030.0	008.0	003.9273	0046.8	053.2	43.67	
100.0	007.1000	0104.4	030.0	008.0	003.9241	0046.8	052.7	43.81	
101.0	007.1000	0104.4	030.0	007.9	003.9203	0046.8	052.1	43.95	
102.0	007.1000	0104.3	030.0	007.9	003.9153	0046.8	051.6	44.09	
103.0	007.1000	0104.2	030.0	007.8	003.9091	0046.8	051.1	44.23	
104.0	007.1000	0104.2	030.0	007.8	003.9016	0046.8	050.6	44.37	
105.0	007.1000	0104.1	030.0	007.7	003.8927	0046.8	050.1	44.50	
106.0	007.1000	0104.0	030.0	007.6	003.8824	0046.7	049.5	44.64	
107.0	007.1000	0104.0	029.9	007.5	003.8707	0046.7	049.0	44.77	
108.0	007.1000	0103.9	029.9	007.4	003.8576	0046.7	048.5	44.89	
109.0	007.1000	0103.8	029.9	007.3	003.8432	0046.7	048.0	45.02	
110.0	007.1000	0103.8	029.9	007.1	003.8275	0046.7	047.5	45.14	
111.0	007.1000	0103.7	029.9	007.0	003.8106	0046.6	047.0	45.26	
112.0	007.1000	0103.7	029.9	006.8	003.7922	0046.6	046.5	45.39	
113.0	007.1000	0103.6	029.9	006.6	003.7724	0046.6	046.0	45.51	
114.0	007.1000	0103.6	029.9	006.4	003.7509	0046.6	045.5	45.63	
115.0	007.1000	0103.6	029.9	006.2	003.7280	0046.5	045.0	45.75	
116.0	007.1000	0103.5	029.9	006.0	003.7035	0046.5	044.5	45.87	
117.0	007.1000	0103.5	029.9	005.7	003.6772	0046.5	044.0	45.99	
118.0	007.1000	0103.5	029.9	005.5	003.6493	0046.4	043.5	46.10	
119.0	007.1000	0103.5	029.9	005.2	003.6195	0046.4	043.0	46.22	
120.0	007.1000	0103.4	029.9	004.9	003.5879	0046.3	042.6	46.33	
121.0	007.1000	0103.4	029.9	004.6	003.5546	0046.3	042.1	46.44	
122.0	007.1000	0103.3	029.9	004.3	003.5196	0046.2	041.6	46.54	
123.0	007.1000	0103.3	029.8	003.9	003.4824	0046.2	041.2	46.64	
124.0	007.1000	0103.2	029.8	003.5	003.4432	0046.1	040.7	46.74	
125.0	007.1000	0103.1	029.8	003.1	003.4017	0046.0	040.3	46.83	
126.0	007.1000	0102.9	029.8	002.7	003.3581	0046.0	039.9	46.91	
127.0	007.1000	0102.8	029.8	002.3	003.3124	0045.9	039.4	46.99	
128.0	007.1000	0102.6	029.8	001.8	003.2647	0045.8	039.0	47.07	
129.0	007.1000	0102.4	029.7	001.3	003.2152	0045.8	038.6	47.13	
130.0	007.1000	0102.3	029.7	000.8	003.1641	0045.7	038.2	47.19	
131.0	007.1000	0102.1	029.7	000.3	003.1118	0045.6	037.8	47.25	
132.0	007.1000	0102.0	029.7	359.7	003.0758	0045.5	037.5	47.33	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
133.0	007.1000	0101.9	029.7	359.2	003.0588	0045.4	037.1	47.42
134.0	007.1000	0101.8	029.6	358.6	003.0413	0045.3	036.7	47.52
135.0	007.1000	0101.7	029.6	358.0	003.0232	0045.2	036.4	47.61
136.0	007.1000	0101.5	029.6	357.4	003.0044	0045.2	036.1	47.70
137.0	007.1000	0101.4	029.6	356.7	002.9849	0045.1	035.7	47.78
138.0	007.1000	0101.1	029.6	356.1	002.9646	0045.0	035.4	47.86
139.0	007.1000	0100.9	029.5	355.3	002.9437	0045.0	035.2	47.92
140.0	007.1000	0100.6	029.5	354.6	002.9222	0044.9	034.9	47.99
141.0	007.1000	0100.3	029.4	353.9	002.9003	0044.8	034.6	48.04
142.0	007.1000	0100.0	029.4	353.1	002.8781	0044.8	034.4	48.09
143.0	007.1000	0099.7	029.4	352.4	002.8554	0044.6	034.2	48.12
144.0	007.1000	0099.3	029.3	351.6	002.8321	0044.4	034.0	48.13
145.0	007.1000	0098.8	029.2	350.7	002.8080	0044.3	033.8	48.13
146.0	007.1000	0098.1	029.1	349.9	002.7893	0044.1	033.7	48.10
147.0	007.1000	0097.1	029.0	349.0	002.8085	0043.7	033.6	48.10
148.0	007.1000	0096.2	028.9	348.1	002.8277	0043.1	033.5	48.03
149.0	007.1000	0095.5	028.8	347.3	002.8466	0042.2	033.5	47.91
150.0	007.1000	0095.3	028.7	346.4	002.8650	0041.0	033.4	47.76
151.0	007.1000	0095.2	028.7	345.6	002.8834	0039.8	033.2	47.59
152.0	007.1000	0095.2	028.7	344.7	002.9020	0038.7	033.1	47.44
153.0	007.1000	0095.2	028.7	343.9	002.9208	0038.0	033.0	47.36
154.0	007.1000	0095.2	028.7	343.0	002.9399	0037.5	032.9	47.33
155.0	007.1000	0095.2	028.7	342.2	002.9591	0037.4	032.9	47.36
156.0	007.1000	0095.2	028.7	341.3	002.9786	0037.3	032.8	47.39
157.0	007.1000	0095.3	028.7	340.4	002.9982	0037.2	032.7	47.42
158.0	007.1000	0095.4	028.7	339.6	003.0179	0037.1	032.7	47.44
159.0	007.1000	0095.7	028.8	338.7	003.0377	0037.0	032.7	47.47
160.0	007.1000	0096.0	028.8	337.8	003.0578	0037.0	032.6	47.51
161.0	007.1000	0096.5	028.9	336.9	003.0780	0037.0	032.6	47.55
162.0	007.1000	0096.9	029.0	336.0	003.0984	0037.0	032.6	47.59
163.0	007.1000	0097.2	029.0	335.1	003.1188	0037.0	032.6	47.61
164.0	007.1000	0097.5	029.0	334.2	003.1392	0037.0	032.6	47.62
165.0	007.1000	0097.8	029.1	333.4	003.1597	0037.0	032.7	47.63
166.0	007.1000	0098.2	029.1	332.5	003.1803	0037.0	032.7	47.64
167.0	007.1000	0098.6	029.2	331.6	003.2009	0037.0	032.8	47.64
168.0	007.1000	0099.1	029.3	330.7	003.2216	0037.0	032.9	47.64
169.0	007.1000	0099.8	029.4	329.8	003.2455	0037.0	033.0	47.64
170.0	007.1000	0100.4	029.4	328.9	003.2802	0037.0	033.0	47.65
171.0	007.1000	0100.9	029.5	328.0	003.3143	0037.0	033.2	47.64
172.0	007.1000	0101.3	029.6	327.2	003.3482	0037.0	033.3	47.63
173.0	007.1000	0102.0	029.7	326.3	003.3826	0037.0	033.5	47.62
174.0	007.1000	0102.8	029.8	325.5	003.4174	0037.0	033.6	47.60
175.0	007.1000	0103.4	029.9	324.6	003.4511	0037.0	033.8	47.58
176.0	007.1000	0104.0	029.9	323.8	003.4844	0037.0	034.0	47.54
177.0	007.1000	0104.3	030.0	323.0	003.5156	0037.0	034.2	47.48
178.0	007.1000	0104.5	030.0	322.3	003.5459	0037.0	034.5	47.41
179.0	007.1000	0104.8	030.1	321.6	003.5756	0037.0	034.8	47.34
180.0	007.1000	0105.0	030.1	320.9	003.6045	0037.1	035.1	47.27
181.0	007.1000	0105.0	030.1	320.2	003.6314	0037.2	035.4	47.20
182.0	007.1000	0105.0	030.1	319.6	003.6715	0037.4	035.8	47.16
183.0	007.1000	0105.0	030.1	319.0	003.7171	0037.6	036.1	47.13

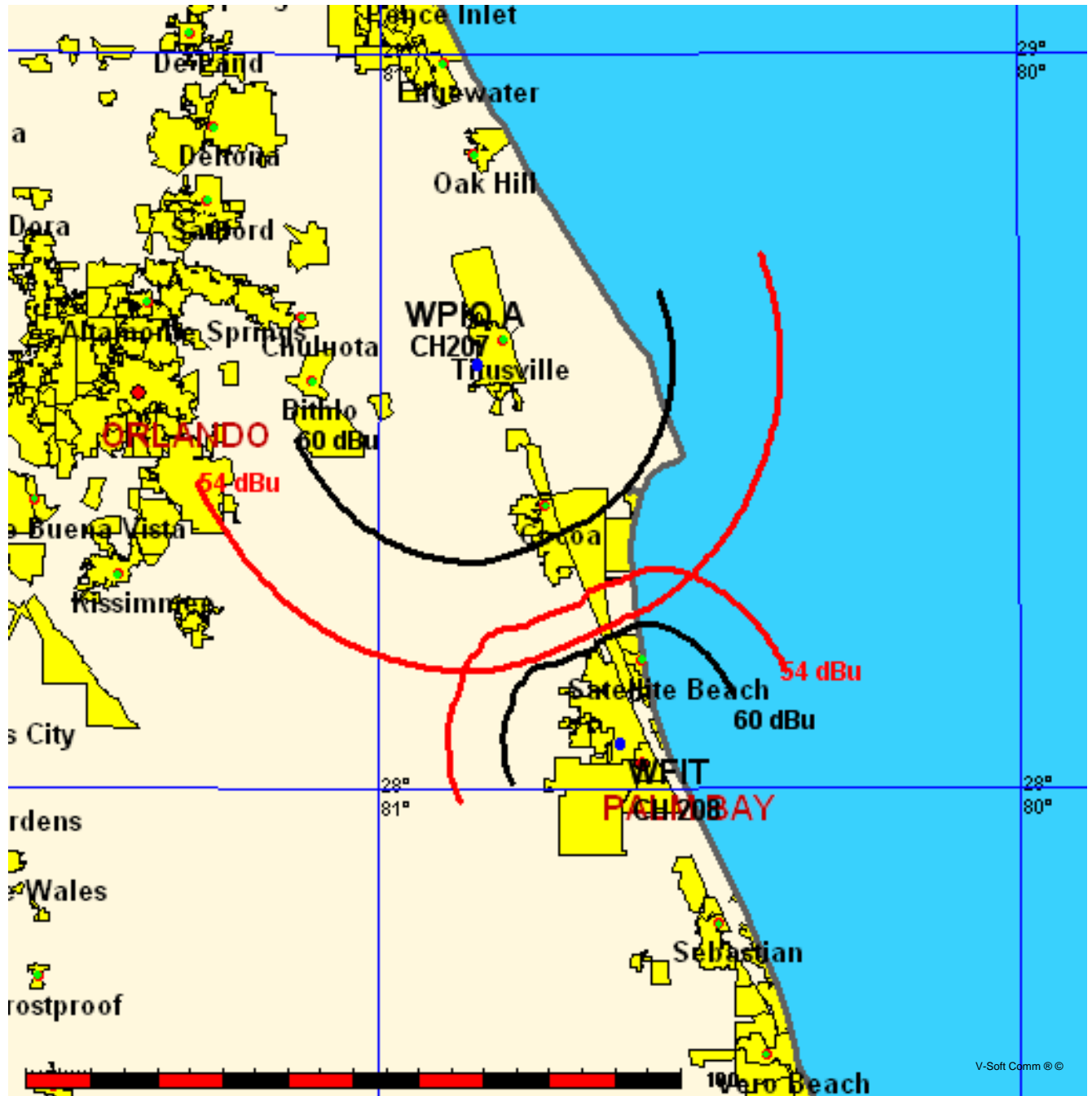
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
184.0	007.1000	0105.0	030.1	318.4	003.7611	0038.0	036.5	47.11
185.0	007.1000	0105.0	030.1	317.8	003.8038	0038.3	036.9	47.09
186.0	007.1000	0105.0	030.1	317.3	003.8449	0038.7	037.3	47.07
187.0	007.1000	0105.0	030.1	316.8	003.8847	0039.0	037.7	47.04
188.0	007.1000	0105.0	030.1	316.3	003.9230	0039.4	038.1	47.00
189.0	007.1000	0105.0	030.1	315.8	003.9598	0039.7	038.5	46.95
190.0	007.1000	0105.0	030.1	315.3	003.9951	0039.9	038.9	46.89
191.0	007.1000	0105.0	030.1	314.9	004.0289	0040.1	039.4	46.81
192.0	007.1000	0105.0	030.1	314.5	004.0613	0040.3	039.8	46.73
193.0	007.1000	0105.0	030.1	314.1	004.0922	0040.5	040.2	46.64
194.0	007.1000	0105.0	030.1	313.7	004.1217	0040.6	040.7	46.55
195.0	007.1000	0105.0	030.1	313.4	004.1498	0040.8	041.2	46.45
196.0	007.1000	0105.0	030.1	313.0	004.1764	0040.9	041.6	46.35
197.0	007.1000	0105.0	030.1	312.7	004.2016	0041.0	042.1	46.24
198.0	007.1000	0105.0	030.1	312.4	004.2255	0041.1	042.6	46.13
199.0	007.1000	0105.0	030.1	312.1	004.2479	0041.2	043.0	46.02
200.0	007.1000	0105.0	030.1	311.9	004.2690	0041.3	043.5	45.91
201.0	007.1000	0105.0	030.1	311.6	004.2889	0041.4	044.0	45.79
202.0	007.1000	0105.0	030.1	311.4	004.3074	0041.4	044.5	45.67
203.0	007.1000	0105.0	030.1	311.2	004.3247	0041.5	045.0	45.56
204.0	007.1000	0105.0	030.1	311.0	004.3407	0041.6	045.5	45.44
205.0	007.1000	0105.0	030.1	310.8	004.3555	0041.6	046.0	45.32
206.0	007.1000	0105.0	030.1	310.6	004.3691	0041.7	046.5	45.20
207.0	007.1000	0105.0	030.1	310.5	004.3816	0041.7	047.0	45.08
208.0	007.1000	0105.0	030.1	310.4	004.3926	0041.8	047.5	44.95
209.0	007.1000	0104.8	030.1	310.3	004.4011	0041.8	048.1	44.83
210.0	007.1000	0104.6	030.0	310.2	004.4072	0041.8	048.6	44.70
211.0	007.1000	0104.4	030.0	310.1	004.4128	0041.8	049.1	44.57
212.0	007.1000	0104.4	030.0	310.0	004.4197	0041.9	049.6	44.45
213.0	007.1000	0104.5	030.0	309.9	004.4238	0041.9	050.1	44.32
214.0	007.1000	0104.6	030.0	309.9	004.4261	0041.9	050.7	44.19
215.0	007.1000	0104.7	030.0	309.8	004.4279	0041.9	051.2	44.06
216.0	007.1000	0104.7	030.0	309.8	004.4289	0041.9	051.7	43.92
217.0	007.1000	0104.5	030.0	309.8	004.4289	0042.0	052.2	43.78
218.0	007.1000	0104.3	030.0	309.8	004.4284	0041.9	052.7	43.64

Allocation Map
The Florida Institute Of Technology

FMCommander Single Allocation Study - 10-26-2009 - FCC NGDC 30 Sec
WFIT's Overlaps (In= 1.54 km, Out= 10.34 km)

WFIT CH 208 A DA
Lat= 28 03 51.0, Lng= 80 37 25.0
4.7 kW 45 M HAAT, 47 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WPIO-A CH 207 C3 BPED20090904ADE
Lat= 28 34 49.0, Lng= 80 51 00.0
7.1 kW 102 M HAAT, 105 M COR
Prot.= 60 dBu, Intef.= 54 dBu



10-26-2009

FCC NGDC 30 Sec Terrain Data

FMOver Analysis

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Protected

60 dBu

WPIO-A BPED20090904ADE

Channel = 207C3

Max ERP = 7.1 kW

RCAMSL = 105 M

N. Lat. 28 34 49.0

W. Lng. 80 51 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)
279.0	004.7000	0043.3	017.9	175.3	007.1000	0103.5	054.8	50.76	
280.0	004.7000	0043.3	017.9	175.2	007.1000	0103.5	054.5	50.88	
281.0	004.7000	0043.3	017.9	175.1	007.1000	0103.5	054.1	50.99	
282.0	004.7000	0043.1	017.9	175.0	007.1000	0103.4	053.9	51.09	
283.0	004.7000	0042.7	017.8	174.8	007.1000	0103.2	053.6	51.19	
284.0	004.7000	0042.2	017.6	174.5	007.1000	0103.1	053.3	51.28	
285.0	004.7000	0041.8	017.6	174.3	007.1000	0103.0	053.1	51.37	
286.0	004.7000	0041.7	017.5	174.2	007.1000	0102.9	052.8	51.47	
287.0	004.7000	0041.6	017.5	174.0	007.1000	0102.8	052.5	51.57	
288.0	004.7000	0041.7	017.5	173.9	007.1000	0102.7	052.2	51.67	
289.0	004.7000	0041.9	017.6	173.8	007.1000	0102.6	051.9	51.78	
290.0	004.7000	0042.1	017.6	173.7	007.1000	0102.6	051.6	51.89	
291.0	004.7000	0042.4	017.7	173.6	007.1000	0102.5	051.3	52.00	
292.0	004.7000	0042.7	017.8	173.6	007.1000	0102.4	051.0	52.12	
293.0	004.7000	0043.0	017.8	173.5	007.1000	0102.4	050.7	52.23	
294.0	004.7000	0043.3	017.9	173.3	007.1000	0102.3	050.4	52.34	
295.0	004.7000	0043.3	017.9	173.2	007.1000	0102.1	050.1	52.43	
296.0	004.7000	0043.3	017.9	173.0	007.1000	0101.9	049.9	52.52	
297.0	004.7000	0043.1	017.8	172.7	007.1000	0101.8	049.7	52.59	
298.0	004.7000	0042.8	017.8	172.5	007.1000	0101.6	049.4	52.66	
299.0	004.7000	0042.4	017.7	172.2	007.1000	0101.4	049.2	52.72	
300.0	004.7000	0041.9	017.6	171.8	007.1000	0101.2	049.1	52.78	
301.0	004.6718	0041.5	017.4	171.5	007.1000	0101.1	048.9	52.83	
302.0	004.6438	0041.3	017.4	171.2	007.1000	0101.0	048.7	52.89	
303.0	004.6158	0041.5	017.4	171.0	007.1000	0100.8	048.5	52.97	
304.0	004.5879	0041.9	017.4	170.8	007.1000	0100.7	048.2	53.06	
305.0	004.5601	0042.3	017.5	170.6	007.1000	0100.6	047.9	53.15	
306.0	004.5323	0042.5	017.5	170.3	007.1000	0100.5	047.7	53.23	
307.0	004.5047	0042.5	017.5	170.1	007.1000	0100.4	047.5	53.29	
308.0	004.4771	0042.4	017.5	169.7	007.1000	0100.2	047.4	53.34	
309.0	004.4496	0042.2	017.4	169.4	007.1000	0100.0	047.2	53.38	
310.0	004.4222	0041.9	017.3	169.0	007.1000	0099.8	047.1	53.41	
311.0	004.3405	0041.6	017.1	168.6	007.1000	0099.5	047.0	53.41	
312.0	004.2596	0041.3	017.0	168.2	007.1000	0099.3	047.0	53.41	
313.0	004.1795	0040.9	016.8	167.8	007.1000	0099.0	047.0	53.40	
314.0	004.1001	0040.5	016.6	167.4	007.1000	0098.8	046.9	53.39	
315.0	004.0214	0040.1	016.4	167.0	007.1000	0098.6	046.9	53.37	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
316.0	003.9436	0039.5	016.2	166.5	007.1000	0098.4	047.0	53.34
317.0	003.8665	0038.9	015.9	166.1	007.1000	0098.2	047.1	53.29
318.0	003.7901	0038.2	015.7	165.7	007.1000	0098.0	047.1	53.25
319.0	003.7145	0037.6	015.5	165.2	007.1000	0097.9	047.2	53.22
320.0	003.6397	0037.2	015.3	164.9	007.1000	0097.8	047.2	53.19
321.0	003.5984	0037.0	015.2	164.5	007.1000	0097.6	047.2	53.19
322.0	003.5574	0037.0	015.2	164.2	007.1000	0097.5	047.2	53.20
323.0	003.5167	0037.0	015.1	163.9	007.1000	0097.4	047.1	53.22
324.0	003.4761	0037.0	015.1	163.6	007.1000	0097.3	047.0	53.23
325.0	003.4358	0037.0	015.0	163.2	007.1000	0097.3	047.0	53.24
326.0	003.3957	0037.0	015.0	162.9	007.1000	0097.2	047.0	53.25
327.0	003.3559	0037.0	015.0	162.6	007.1000	0097.1	046.9	53.25
328.0	003.3163	0037.0	014.9	162.3	007.1000	0097.0	046.9	53.25
329.0	003.2770	0037.0	014.9	161.9	007.1000	0096.9	046.9	53.25
330.0	003.2378	0037.0	014.8	161.6	007.1000	0096.8	046.9	53.24
331.0	003.2145	0037.0	014.8	161.3	007.1000	0096.6	046.9	53.24
332.0	003.1912	0037.0	014.8	161.0	007.1000	0096.5	046.8	53.23
333.0	003.1680	0037.0	014.7	160.7	007.1000	0096.3	046.8	53.23
334.0	003.1449	0037.0	014.7	160.4	007.1000	0096.2	046.8	53.22
335.0	003.1219	0037.0	014.7	160.0	007.1000	0096.0	046.8	53.20
336.0	003.0989	0037.0	014.7	159.7	007.1000	0095.9	046.8	53.19
337.0	003.0761	0037.0	014.6	159.4	007.1000	0095.8	046.9	53.18
338.0	003.0533	0037.0	014.6	159.1	007.1000	0095.7	046.9	53.16
339.0	003.0306	0037.1	014.6	158.8	007.1000	0095.6	046.9	53.15
340.0	003.0080	0037.1	014.6	158.5	007.1000	0095.5	046.9	53.14
341.0	002.9855	0037.2	014.6	158.2	007.1000	0095.5	046.9	53.13
342.0	002.9630	0037.4	014.6	157.9	007.1000	0095.4	046.9	53.11
343.0	002.9407	0037.5	014.6	157.6	007.1000	0095.4	047.0	53.10
344.0	002.9184	0038.0	014.6	157.2	007.1000	0095.3	046.9	53.12
345.0	002.8963	0039.0	014.8	156.9	007.1000	0095.3	046.8	53.16
346.0	002.8742	0040.4	015.0	156.5	007.1000	0095.3	046.6	53.24
347.0	002.8522	0041.8	015.3	156.2	007.1000	0095.2	046.4	53.32
348.0	002.8302	0043.0	015.5	155.8	007.1000	0095.2	046.2	53.37
349.0	002.8084	0043.7	015.6	155.4	007.1000	0095.2	046.2	53.39
350.0	002.7866	0044.1	015.7	155.1	007.1000	0095.2	046.2	53.38
351.0	002.8157	0044.3	015.8	154.7	007.1000	0095.2	046.2	53.39
352.0	002.8448	0044.5	015.8	154.4	007.1000	0095.2	046.2	53.39
353.0	002.8742	0044.7	015.9	154.0	007.1000	0095.2	046.2	53.38
354.0	002.9036	0044.8	016.0	153.6	007.1000	0095.2	046.2	53.37
355.0	002.9333	0044.9	016.1	153.3	007.1000	0095.2	046.2	53.36
356.0	002.9630	0045.0	016.1	152.9	007.1000	0095.2	046.3	53.34
357.0	002.9930	0045.1	016.2	152.6	007.1000	0095.2	046.3	53.32
358.0	003.0231	0045.2	016.3	152.2	007.1000	0095.2	046.4	53.30
359.0	003.0533	0045.4	016.3	151.9	007.1000	0095.2	046.4	53.28
000.0	003.0837	0045.6	016.4	151.5	007.1000	0095.2	046.5	53.26
001.0	003.1834	0045.7	016.6	151.1	007.1000	0095.2	046.5	53.27
002.0	003.2848	0045.9	016.8	150.7	007.1000	0095.2	046.5	53.27
003.0	003.3878	0046.0	017.0	150.3	007.1000	0095.2	046.5	53.27
004.0	003.4923	0046.2	017.1	149.8	007.1000	0095.3	046.5	53.27
005.0	003.5984	0046.3	017.3	149.4	007.1000	0095.4	046.5	53.27
006.0	003.7062	0046.5	017.5	149.0	007.1000	0095.6	046.6	53.27

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
007.0	003.8155	0046.6	017.7	148.5	007.1000	0095.8	046.6	53.27
008.0	003.9264	0046.8	017.8	148.1	007.1000	0096.1	046.7	53.27
009.0	004.0388	0046.9	018.0	147.7	007.1000	0096.5	046.8	53.26
010.0	004.1529	0046.9	018.1	147.3	007.1000	0096.8	046.9	53.26
011.0	004.2061	0047.0	018.2	147.0	007.1000	0097.2	047.0	53.22
012.0	004.2596	0047.0	018.3	146.6	007.1000	0097.5	047.2	53.18
013.0	004.3135	0047.0	018.3	146.3	007.1000	0097.8	047.4	53.13
014.0	004.3677	0047.0	018.4	146.0	007.1000	0098.1	047.6	53.08
015.0	004.4222	0047.0	018.4	145.7	007.1000	0098.3	047.8	53.02
016.0	004.4771	0047.0	018.5	145.4	007.1000	0098.5	048.0	52.96
017.0	004.5323	0047.0	018.6	145.1	007.1000	0098.7	048.2	52.90
018.0	004.5879	0047.0	018.6	144.8	007.1000	0098.9	048.4	52.83
019.0	004.6438	0047.0	018.7	144.5	007.1000	0099.1	048.7	52.76
020.0	004.7000	0047.0	018.7	144.2	007.1000	0099.2	048.9	52.68
021.0	004.7000	0047.0	018.7	144.0	007.1000	0099.3	049.2	52.59
022.0	004.7000	0047.0	018.7	143.8	007.1000	0099.4	049.5	52.49
023.0	004.7000	0047.0	018.7	143.6	007.1000	0099.5	049.7	52.39
024.0	004.7000	0047.0	018.7	143.4	007.1000	0099.6	050.0	52.29
025.0	004.7000	0047.0	018.7	143.3	007.1000	0099.6	050.3	52.19
026.0	004.7000	0047.0	018.7	143.1	007.1000	0099.7	050.6	52.08
027.0	004.7000	0047.0	018.7	142.9	007.1000	0099.7	050.9	51.97
028.0	004.7000	0047.0	018.7	142.8	007.1000	0099.8	051.2	51.87
029.0	004.7000	0047.0	018.7	142.6	007.1000	0099.8	051.5	51.76
030.0	004.7000	0047.0	018.7	142.5	007.1000	0099.9	051.8	51.64
031.0	004.7000	0047.0	018.7	142.3	007.1000	0099.9	052.1	51.53
032.0	004.7000	0047.0	018.7	142.2	007.1000	0100.0	052.4	51.42
033.0	004.7000	0047.0	018.7	142.1	007.1000	0100.0	052.7	51.30
034.0	004.7000	0047.0	018.7	142.0	007.1000	0100.0	053.0	51.19
035.0	004.7000	0047.0	018.7	141.9	007.1000	0100.0	053.3	51.07
036.0	004.7000	0047.0	018.7	141.8	007.1000	0100.1	053.6	50.95
037.0	004.7000	0047.0	018.7	141.7	007.1000	0100.1	053.9	50.83
038.0	004.7000	0047.0	018.7	141.6	007.1000	0100.1	054.3	50.71

10-26-2009 FCC NGDC 30 Sec Terrain Data

WPIO-A BPED20090904ADE

Channel = 207C3

Max ERP = 7.1 kW

RCAMSL = 105 M

N. Lat. 28 34 49.0

W. Lng. 80 51 00.0

Protected

60 dBu

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
099.0	007.1000	0104.5	030.0	008.0	003.9273	0046.8	053.2	43.67	
100.0	007.1000	0104.4	030.0	008.0	003.9241	0046.8	052.7	43.81	
101.0	007.1000	0104.4	030.0	007.9	003.9203	0046.8	052.1	43.95	
102.0	007.1000	0104.3	030.0	007.9	003.9153	0046.8	051.6	44.09	
103.0	007.1000	0104.2	030.0	007.8	003.9091	0046.8	051.1	44.23	
104.0	007.1000	0104.2	030.0	007.8	003.9016	0046.8	050.6	44.37	
105.0	007.1000	0104.1	030.0	007.7	003.8927	0046.8	050.1	44.50	
106.0	007.1000	0104.0	030.0	007.6	003.8824	0046.7	049.5	44.64	
107.0	007.1000	0104.0	029.9	007.5	003.8707	0046.7	049.0	44.77	
108.0	007.1000	0103.9	029.9	007.4	003.8576	0046.7	048.5	44.89	
109.0	007.1000	0103.8	029.9	007.3	003.8432	0046.7	048.0	45.02	
110.0	007.1000	0103.8	029.9	007.1	003.8275	0046.7	047.5	45.14	
111.0	007.1000	0103.7	029.9	007.0	003.8106	0046.6	047.0	45.26	
112.0	007.1000	0103.7	029.9	006.8	003.7922	0046.6	046.5	45.39	
113.0	007.1000	0103.6	029.9	006.6	003.7724	0046.6	046.0	45.51	
114.0	007.1000	0103.6	029.9	006.4	003.7509	0046.6	045.5	45.63	
115.0	007.1000	0103.6	029.9	006.2	003.7280	0046.5	045.0	45.75	
116.0	007.1000	0103.5	029.9	006.0	003.7035	0046.5	044.5	45.87	
117.0	007.1000	0103.5	029.9	005.7	003.6772	0046.5	044.0	45.99	
118.0	007.1000	0103.5	029.9	005.5	003.6493	0046.4	043.5	46.10	
119.0	007.1000	0103.5	029.9	005.2	003.6195	0046.4	043.0	46.22	
120.0	007.1000	0103.4	029.9	004.9	003.5879	0046.3	042.6	46.33	
121.0	007.1000	0103.4	029.9	004.6	003.5546	0046.3	042.1	46.44	
122.0	007.1000	0103.3	029.9	004.3	003.5196	0046.2	041.6	46.54	
123.0	007.1000	0103.3	029.8	003.9	003.4824	0046.2	041.2	46.64	
124.0	007.1000	0103.2	029.8	003.5	003.4432	0046.1	040.7	46.74	
125.0	007.1000	0103.1	029.8	003.1	003.4017	0046.0	040.3	46.83	
126.0	007.1000	0102.9	029.8	002.7	003.3581	0046.0	039.9	46.91	
127.0	007.1000	0102.8	029.8	002.3	003.3124	0045.9	039.4	46.99	
128.0	007.1000	0102.6	029.8	001.8	003.2647	0045.8	039.0	47.07	
129.0	007.1000	0102.4	029.7	001.3	003.2152	0045.8	038.6	47.13	
130.0	007.1000	0102.3	029.7	000.8	003.1641	0045.7	038.2	47.19	
131.0	007.1000	0102.1	029.7	000.3	003.1118	0045.6	037.8	47.25	
132.0	007.1000	0102.0	029.7	359.7	003.0758	0045.5	037.5	47.33	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
133.0	007.1000	0101.9	029.7	359.2	003.0588	0045.4	037.1	47.42
134.0	007.1000	0101.8	029.6	358.6	003.0413	0045.3	036.7	47.52
135.0	007.1000	0101.7	029.6	358.0	003.0232	0045.2	036.4	47.61
136.0	007.1000	0101.5	029.6	357.4	003.0044	0045.2	036.1	47.70
137.0	007.1000	0101.4	029.6	356.7	002.9849	0045.1	035.7	47.78
138.0	007.1000	0101.1	029.6	356.1	002.9646	0045.0	035.4	47.86
139.0	007.1000	0100.9	029.5	355.3	002.9437	0045.0	035.2	47.92
140.0	007.1000	0100.6	029.5	354.6	002.9222	0044.9	034.9	47.99
141.0	007.1000	0100.3	029.4	353.9	002.9003	0044.8	034.6	48.04
142.0	007.1000	0100.0	029.4	353.1	002.8781	0044.8	034.4	48.09
143.0	007.1000	0099.7	029.4	352.4	002.8554	0044.6	034.2	48.12
144.0	007.1000	0099.3	029.3	351.6	002.8321	0044.4	034.0	48.13
145.0	007.1000	0098.8	029.2	350.7	002.8080	0044.3	033.8	48.13
146.0	007.1000	0098.1	029.1	349.9	002.7893	0044.1	033.7	48.10
147.0	007.1000	0097.1	029.0	349.0	002.8085	0043.7	033.6	48.10
148.0	007.1000	0096.2	028.9	348.1	002.8277	0043.1	033.5	48.03
149.0	007.1000	0095.5	028.8	347.3	002.8466	0042.2	033.5	47.91
150.0	007.1000	0095.3	028.7	346.4	002.8650	0041.0	033.4	47.76
151.0	007.1000	0095.2	028.7	345.6	002.8834	0039.8	033.2	47.59
152.0	007.1000	0095.2	028.7	344.7	002.9020	0038.7	033.1	47.44
153.0	007.1000	0095.2	028.7	343.9	002.9208	0038.0	033.0	47.36
154.0	007.1000	0095.2	028.7	343.0	002.9399	0037.5	032.9	47.33
155.0	007.1000	0095.2	028.7	342.2	002.9591	0037.4	032.9	47.36
156.0	007.1000	0095.2	028.7	341.3	002.9786	0037.3	032.8	47.39
157.0	007.1000	0095.3	028.7	340.4	002.9982	0037.2	032.7	47.42
158.0	007.1000	0095.4	028.7	339.6	003.0179	0037.1	032.7	47.44
159.0	007.1000	0095.7	028.8	338.7	003.0377	0037.0	032.7	47.47
160.0	007.1000	0096.0	028.8	337.8	003.0578	0037.0	032.6	47.51
161.0	007.1000	0096.5	028.9	336.9	003.0780	0037.0	032.6	47.55
162.0	007.1000	0096.9	029.0	336.0	003.0984	0037.0	032.6	47.59
163.0	007.1000	0097.2	029.0	335.1	003.1188	0037.0	032.6	47.61
164.0	007.1000	0097.5	029.0	334.2	003.1392	0037.0	032.6	47.62
165.0	007.1000	0097.8	029.1	333.4	003.1597	0037.0	032.7	47.63
166.0	007.1000	0098.2	029.1	332.5	003.1803	0037.0	032.7	47.64
167.0	007.1000	0098.6	029.2	331.6	003.2009	0037.0	032.8	47.64
168.0	007.1000	0099.1	029.3	330.7	003.2216	0037.0	032.9	47.64
169.0	007.1000	0099.8	029.4	329.8	003.2455	0037.0	033.0	47.64
170.0	007.1000	0100.4	029.4	328.9	003.2802	0037.0	033.0	47.65
171.0	007.1000	0100.9	029.5	328.0	003.3143	0037.0	033.2	47.64
172.0	007.1000	0101.3	029.6	327.2	003.3482	0037.0	033.3	47.63
173.0	007.1000	0102.0	029.7	326.3	003.3826	0037.0	033.5	47.62
174.0	007.1000	0102.8	029.8	325.5	003.4174	0037.0	033.6	47.60
175.0	007.1000	0103.4	029.9	324.6	003.4511	0037.0	033.8	47.58
176.0	007.1000	0104.0	029.9	323.8	003.4844	0037.0	034.0	47.54
177.0	007.1000	0104.3	030.0	323.0	003.5156	0037.0	034.2	47.48
178.0	007.1000	0104.5	030.0	322.3	003.5459	0037.0	034.5	47.41
179.0	007.1000	0104.8	030.1	321.6	003.5756	0037.0	034.8	47.34
180.0	007.1000	0105.0	030.1	320.9	003.6045	0037.1	035.1	47.27
181.0	007.1000	0105.0	030.1	320.2	003.6314	0037.2	035.4	47.20
182.0	007.1000	0105.0	030.1	319.6	003.6715	0037.4	035.8	47.16
183.0	007.1000	0105.0	030.1	319.0	003.7171	0037.6	036.1	47.13

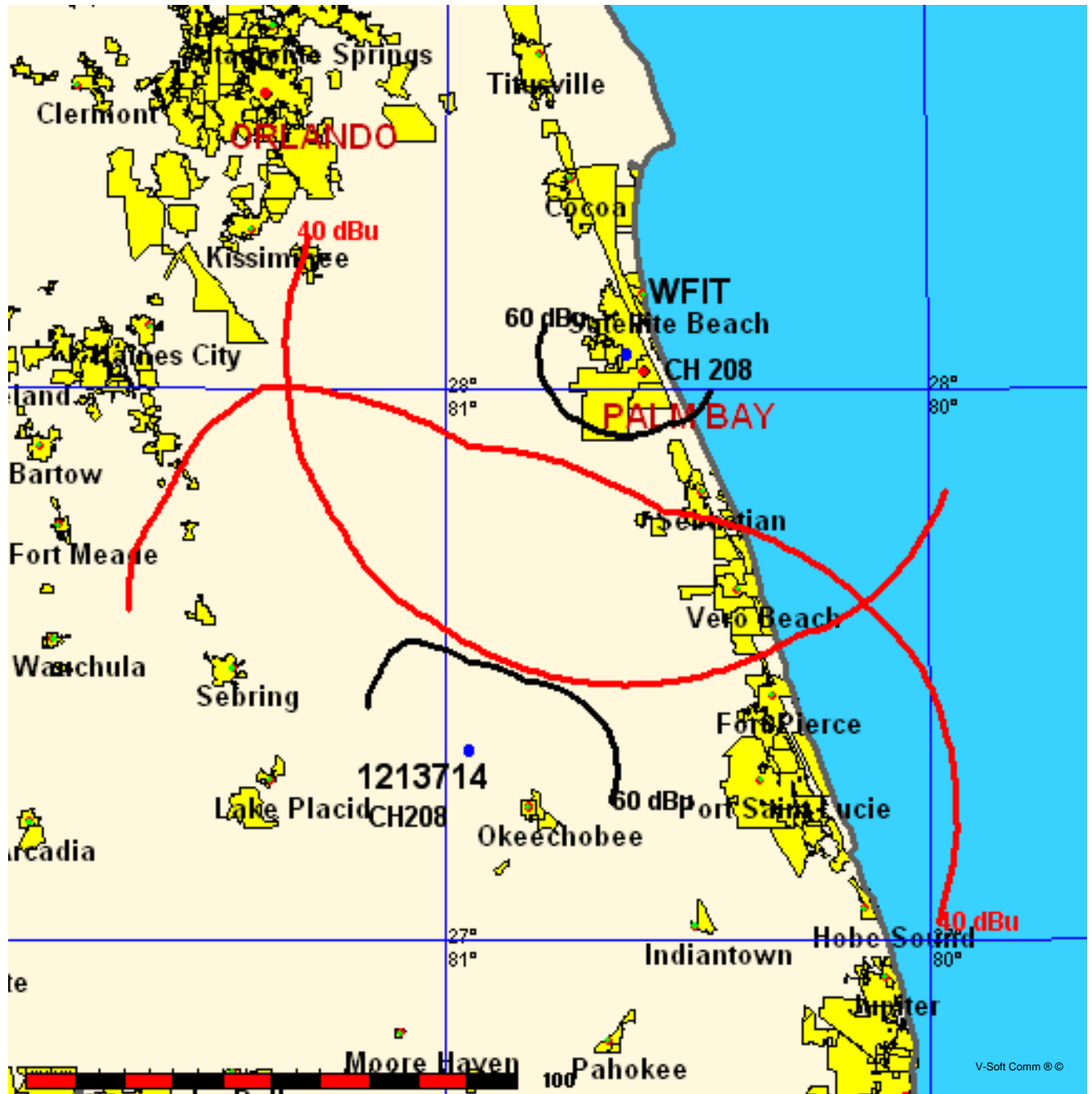
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
184.0	007.1000	0105.0	030.1	318.4	003.7611	0038.0	036.5	47.11
185.0	007.1000	0105.0	030.1	317.8	003.8038	0038.3	036.9	47.09
186.0	007.1000	0105.0	030.1	317.3	003.8449	0038.7	037.3	47.07
187.0	007.1000	0105.0	030.1	316.8	003.8847	0039.0	037.7	47.04
188.0	007.1000	0105.0	030.1	316.3	003.9230	0039.4	038.1	47.00
189.0	007.1000	0105.0	030.1	315.8	003.9598	0039.7	038.5	46.95
190.0	007.1000	0105.0	030.1	315.3	003.9951	0039.9	038.9	46.89
191.0	007.1000	0105.0	030.1	314.9	004.0289	0040.1	039.4	46.81
192.0	007.1000	0105.0	030.1	314.5	004.0613	0040.3	039.8	46.73
193.0	007.1000	0105.0	030.1	314.1	004.0922	0040.5	040.2	46.64
194.0	007.1000	0105.0	030.1	313.7	004.1217	0040.6	040.7	46.55
195.0	007.1000	0105.0	030.1	313.4	004.1498	0040.8	041.2	46.45
196.0	007.1000	0105.0	030.1	313.0	004.1764	0040.9	041.6	46.35
197.0	007.1000	0105.0	030.1	312.7	004.2016	0041.0	042.1	46.24
198.0	007.1000	0105.0	030.1	312.4	004.2255	0041.1	042.6	46.13
199.0	007.1000	0105.0	030.1	312.1	004.2479	0041.2	043.0	46.02
200.0	007.1000	0105.0	030.1	311.9	004.2690	0041.3	043.5	45.91
201.0	007.1000	0105.0	030.1	311.6	004.2889	0041.4	044.0	45.79
202.0	007.1000	0105.0	030.1	311.4	004.3074	0041.4	044.5	45.67
203.0	007.1000	0105.0	030.1	311.2	004.3247	0041.5	045.0	45.56
204.0	007.1000	0105.0	030.1	311.0	004.3407	0041.6	045.5	45.44
205.0	007.1000	0105.0	030.1	310.8	004.3555	0041.6	046.0	45.32
206.0	007.1000	0105.0	030.1	310.6	004.3691	0041.7	046.5	45.20
207.0	007.1000	0105.0	030.1	310.5	004.3816	0041.7	047.0	45.08
208.0	007.1000	0105.0	030.1	310.4	004.3926	0041.8	047.5	44.95
209.0	007.1000	0104.8	030.1	310.3	004.4011	0041.8	048.1	44.83
210.0	007.1000	0104.6	030.0	310.2	004.4072	0041.8	048.6	44.70
211.0	007.1000	0104.4	030.0	310.1	004.4128	0041.8	049.1	44.57
212.0	007.1000	0104.4	030.0	310.0	004.4197	0041.9	049.6	44.45
213.0	007.1000	0104.5	030.0	309.9	004.4238	0041.9	050.1	44.32
214.0	007.1000	0104.6	030.0	309.9	004.4261	0041.9	050.7	44.19
215.0	007.1000	0104.7	030.0	309.8	004.4279	0041.9	051.2	44.06
216.0	007.1000	0104.7	030.0	309.8	004.4289	0041.9	051.7	43.92
217.0	007.1000	0104.5	030.0	309.8	004.4289	0042.0	052.2	43.78
218.0	007.1000	0104.3	030.0	309.8	004.4284	0041.9	052.7	43.64

Allocation Map
The Florida Institute Of Technology

FMCommander Single Allocation Study - 10-26-2009 - FCC NGDC 30 Sec
WFIT's Overlaps (In= 8.8 km, Out= 1.92 km)

WFIT CH 208 A DA
Lat= 28 03 51.0, Lng= 80 37 25.0
4.7 kW 45 M HAAT, 47 M COR
Prot.= 60 dBu, Intef.= 40 dBu

1213714 CH 208 C3 DA BNPED20071022BLK
Lat= 27 20 50.0, Lng= 80 57 04.0
19.0 kW 60 M HAAT, 80 M COR
Prot.= 60 dBu, Intef.= 40 dBu



10-26-2009

FCC NGDC 30 Sec Terrain Data

FMOver Analysis

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Protected

60 dBu

1213714 BNPED20071022BLK

Channel = 208C3

Max ERP = 19 kW

RCAMSL = 80 M

N. Lat. 27 20 50.0

W. Lng. 80 57 04.0

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	004.7000	0041.4	017.5	033.0	001.8831	0066.4	078.7	35.40	
143.0	004.7000	0041.0	017.4	032.9	001.8803	0066.4	078.4	35.46	
144.0	004.7000	0040.4	017.2	032.7	001.8771	0066.4	078.2	35.51	
145.0	004.7000	0039.6	017.0	032.5	001.8731	0066.4	078.0	35.56	
146.0	004.7000	0038.6	016.8	032.2	001.8684	0066.5	077.8	35.59	
147.0	004.7000	0037.8	016.6	032.0	001.8640	0066.5	077.6	35.63	
148.0	004.7000	0037.2	016.4	031.8	001.8607	0066.5	077.4	35.67	
149.0	004.7000	0037.0	016.4	031.7	001.8583	0066.5	077.2	35.73	
150.0	004.7000	0037.0	016.4	031.6	001.8563	0066.5	076.9	35.79	
151.0	004.7000	0037.0	016.4	031.5	001.8544	0066.5	076.7	35.85	
152.0	004.7000	0037.0	016.4	031.4	001.8523	0066.5	076.4	35.91	
153.0	004.7000	0037.0	016.4	031.3	001.8503	0066.5	076.2	35.97	
154.0	004.7000	0037.0	016.4	031.2	001.8481	0066.5	076.0	36.02	
155.0	004.7000	0037.0	016.4	031.1	001.8459	0066.5	075.7	36.08	
156.0	004.7000	0037.0	016.4	030.9	001.8436	0066.5	075.5	36.13	
157.0	004.7000	0037.0	016.4	030.8	001.8412	0066.5	075.3	36.19	
158.0	004.7000	0037.0	016.4	030.7	001.8388	0066.5	075.0	36.24	
159.0	004.7000	0037.0	016.4	030.5	001.8363	0066.5	074.8	36.29	
160.0	004.7000	0037.0	016.4	030.4	001.8337	0066.5	074.6	36.34	
161.0	004.7000	0037.0	016.4	030.3	001.8310	0066.5	074.4	36.39	
162.0	004.7000	0037.0	016.4	030.1	001.8283	0066.5	074.1	36.44	
163.0	004.7000	0037.0	016.4	030.0	001.8259	0066.4	073.9	36.49	
164.0	004.7000	0037.0	016.4	029.8	001.8259	0066.4	073.7	36.54	
165.0	004.7000	0037.0	016.4	029.7	001.8259	0066.4	073.5	36.60	
166.0	004.7000	0037.0	016.4	029.5	001.8259	0066.4	073.3	36.65	
167.0	004.7000	0037.0	016.4	029.4	001.8259	0066.4	073.1	36.70	
168.0	004.7000	0037.0	016.4	029.2	001.8259	0066.4	072.9	36.75	
169.0	004.7000	0037.0	016.4	029.0	001.8259	0066.4	072.7	36.79	
170.0	004.7000	0037.0	016.4	028.8	001.8259	0066.3	072.6	36.84	
171.0	004.7000	0037.0	016.4	028.7	001.8259	0066.3	072.4	36.89	
172.0	004.7000	0037.0	016.4	028.5	001.8259	0066.3	072.2	36.93	
173.0	004.7000	0037.0	016.4	028.3	001.8259	0066.3	072.0	36.97	
174.0	004.7000	0037.0	016.4	028.1	001.8259	0066.3	071.9	37.01	
175.0	004.7000	0037.0	016.4	027.9	001.8259	0066.3	071.7	37.05	
176.0	004.7000	0037.0	016.4	027.7	001.8259	0066.3	071.6	37.09	
177.0	004.7000	0037.0	016.4	027.5	001.8259	0066.2	071.4	37.13	
178.0	004.7000	0037.0	016.4	027.3	001.8259	0066.2	071.3	37.17	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
179.0	004.7000	0037.0	016.4	027.1	001.8259	0066.2	071.1	37.20
180.0	004.7000	0037.0	016.4	026.9	001.8259	0066.2	071.0	37.24
181.0	004.7000	0037.0	016.4	026.7	001.8259	0066.2	070.9	37.27
182.0	004.7000	0037.0	016.4	026.5	001.8259	0066.2	070.8	37.30
183.0	004.7000	0037.0	016.4	026.3	001.8259	0066.1	070.6	37.33
184.0	004.7000	0037.0	016.4	026.1	001.8259	0066.1	070.5	37.36
185.0	004.7000	0037.0	016.4	025.9	001.8259	0066.1	070.4	37.38
186.0	004.7000	0037.0	016.4	025.7	001.8259	0066.1	070.3	37.41
187.0	004.7000	0037.0	016.4	025.5	001.8259	0066.1	070.2	37.43
188.0	004.7000	0037.0	016.4	025.2	001.8259	0066.1	070.2	37.45
189.0	004.7000	0037.0	016.4	025.0	001.8259	0066.1	070.1	37.47
190.0	004.7000	0037.0	016.4	024.8	001.8259	0066.0	070.0	37.49
191.0	004.7000	0037.0	016.4	024.6	001.8259	0066.0	069.9	37.51
192.0	004.7000	0037.0	016.4	024.3	001.8259	0066.0	069.9	37.53
193.0	004.7000	0037.0	016.4	024.1	001.8259	0066.0	069.8	37.54
194.0	004.7000	0037.0	016.4	023.9	001.8259	0066.0	069.8	37.55
195.0	004.7000	0037.0	016.4	023.6	001.8259	0066.0	069.7	37.56
196.0	004.7000	0037.0	016.4	023.4	001.8259	0065.9	069.7	37.57
197.0	004.7000	0037.0	016.4	023.2	001.8259	0065.9	069.6	37.58
198.0	004.7000	0037.0	016.4	022.9	001.8259	0065.9	069.6	37.59
199.0	004.7000	0037.0	016.4	022.7	001.8259	0065.9	069.6	37.59
200.0	004.7000	0037.0	016.4	022.5	001.8259	0065.9	069.6	37.60
201.0	004.7000	0037.0	016.4	022.2	001.8259	0065.9	069.6	37.60
202.0	004.7000	0037.0	016.4	022.0	001.8259	0065.9	069.6	37.60
203.0	004.7000	0037.0	016.4	021.8	001.8259	0065.8	069.6	37.59
204.0	004.7000	0037.0	016.4	021.5	001.8259	0065.8	069.6	37.59
205.0	004.7000	0037.0	016.4	021.3	001.8259	0065.8	069.6	37.59
206.0	004.7000	0037.0	016.4	021.1	001.8259	0065.8	069.6	37.58
207.0	004.7000	0037.0	016.4	020.8	001.8259	0065.8	069.6	37.57
208.0	004.7000	0037.0	016.4	020.6	001.8259	0065.8	069.7	37.56
209.0	004.7000	0037.0	016.4	020.4	001.8259	0065.8	069.7	37.55
210.0	004.7000	0037.0	016.4	020.1	001.8259	0065.8	069.8	37.54
211.0	004.7000	0037.0	016.4	019.9	001.8259	0065.8	069.8	37.52
212.0	004.7000	0037.0	016.4	019.7	001.8259	0065.7	069.9	37.51
213.0	004.7000	0037.0	016.4	019.4	001.8259	0065.7	069.9	37.49
214.0	004.7000	0037.0	016.4	019.2	001.8259	0065.7	070.0	37.47
215.0	004.7000	0037.0	016.4	019.0	001.8259	0065.7	070.1	37.45
216.0	004.7000	0037.1	016.4	018.8	001.8259	0065.7	070.1	37.44
217.0	004.7000	0037.4	016.5	018.5	001.8259	0065.7	070.2	37.43
218.0	004.7000	0037.8	016.6	018.3	001.8259	0065.7	070.2	37.43
219.0	004.7000	0038.2	016.7	018.0	001.8259	0065.7	070.2	37.42
220.0	004.7000	0038.6	016.8	017.8	001.8259	0065.6	070.2	37.42
221.0	004.7000	0039.0	016.9	017.5	001.8259	0065.6	070.2	37.41
222.0	004.7000	0039.4	017.0	017.3	001.8259	0065.6	070.2	37.40
223.0	004.7000	0039.7	017.1	017.0	001.8259	0065.6	070.3	37.39
224.0	004.7000	0040.0	017.1	016.8	001.8259	0065.6	070.4	37.37
225.0	004.7000	0040.1	017.1	016.6	001.8259	0065.6	070.5	37.33
226.0	004.7000	0040.0	017.1	016.4	001.8259	0065.6	070.7	37.29
227.0	004.7000	0039.8	017.1	016.2	001.8259	0065.6	070.9	37.24
228.0	004.7000	0039.8	017.1	016.0	001.8259	0065.6	071.0	37.20
229.0	004.7000	0040.1	017.1	015.7	001.8259	0065.6	071.1	37.17

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
230.0	004.7000	0040.3	017.2	015.5	001.8259	0065.6	071.2	37.14
231.0	004.7000	0040.5	017.2	015.3	001.8259	0065.5	071.4	37.10
232.0	004.7000	0040.6	017.3	015.1	001.8259	0065.5	071.5	37.06
233.0	004.7000	0040.6	017.3	014.9	001.8259	0065.5	071.7	37.01
234.0	004.7000	0040.5	017.2	014.7	001.8259	0065.5	071.9	36.96
235.0	004.7000	0040.4	017.2	014.6	001.8259	0065.5	072.1	36.90
236.0	004.7000	0040.1	017.1	014.4	001.8259	0065.5	072.4	36.84
237.0	004.7000	0039.9	017.1	014.3	001.8259	0065.5	072.6	36.77
238.0	004.7000	0039.8	017.1	014.1	001.8259	0065.5	072.8	36.71
239.0	004.7000	0039.8	017.1	013.9	001.8259	0065.5	073.1	36.66
240.0	004.7000	0040.0	017.1	013.8	001.8259	0065.5	073.2	36.61
241.0	004.7000	0040.3	017.2	013.5	001.8259	0065.5	073.4	36.57
242.0	004.7000	0040.6	017.3	013.4	001.8259	0065.5	073.6	36.52
243.0	004.7000	0040.7	017.3	013.2	001.8259	0065.5	073.8	36.47
244.0	004.7000	0040.8	017.3	013.0	001.8259	0065.5	074.0	36.41
245.0	004.7000	0040.8	017.3	012.9	001.8259	0065.5	074.3	36.35
246.0	004.7000	0040.9	017.3	012.7	001.8259	0065.5	074.5	36.29
247.0	004.7000	0041.2	017.4	012.5	001.8259	0065.4	074.7	36.24
248.0	004.7000	0041.6	017.5	012.3	001.8259	0065.4	074.9	36.19
249.0	004.7000	0042.0	017.6	012.2	001.8259	0065.4	075.1	36.13
250.0	004.7000	0042.4	017.7	012.0	001.8259	0065.4	075.3	36.08
251.0	004.7000	0042.7	017.8	011.8	001.8259	0065.4	075.5	36.02
252.0	004.7000	0042.9	017.8	011.6	001.8259	0065.4	075.8	35.96
253.0	004.7000	0043.1	017.8	011.5	001.8259	0065.4	076.0	35.89
254.0	004.7000	0043.2	017.9	011.4	001.8259	0065.4	076.3	35.82
255.0	004.7000	0043.3	017.9	011.3	001.8259	0065.4	076.5	35.76
256.0	004.7000	0043.4	017.9	011.1	001.8259	0065.4	076.8	35.69
257.0	004.7000	0043.6	018.0	011.0	001.8259	0065.4	077.1	35.62
258.0	004.7000	0043.7	018.0	010.9	001.8259	0065.4	077.4	35.55
259.0	004.7000	0043.7	018.0	010.8	001.8259	0065.4	077.7	35.47
260.0	004.7000	0043.6	018.0	010.7	001.8259	0065.4	078.0	35.40
261.0	004.7000	0043.5	017.9	010.7	001.8259	0065.4	078.3	35.32

10-26-2009 FCC NGDC 30 Sec Terrain Data

1213714 BNPED20071022BLK

Channel = 208C3

Max ERP = 19 kW

RCAMSL = 80 M

N. Lat. 27 20 50.0

W. Lng. 80 57 04.0

Protected

60 dBu

WFIT

Channel = 208A

Max ERP = 4.7 kW

RCAMSL = 47 M

N. Lat. 28 03 51.0

W. Lng. 80 37 25.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
322.0	007.0699	0070.0	024.9	218.5	004.7000	0038.0	076.5	38.05	
323.0	007.0699	0070.0	024.9	218.4	004.7000	0038.0	076.1	38.13	
324.0	007.0699	0069.8	024.9	218.3	004.7000	0037.9	075.7	38.22	
325.0	007.0699	0069.6	024.8	218.2	004.7000	0037.9	075.3	38.30	
326.0	007.0699	0069.5	024.8	218.1	004.7000	0037.8	074.9	38.38	
327.0	007.0699	0069.7	024.8	218.0	004.7000	0037.8	074.5	38.46	
328.0	007.0699	0069.9	024.9	217.9	004.7000	0037.7	074.1	38.54	
329.0	007.0699	0070.0	024.9	217.8	004.7000	0037.7	073.7	38.62	
330.0	007.0699	0070.0	024.9	217.6	004.7000	0037.6	073.2	38.70	
331.0	006.7899	0070.0	024.7	217.3	004.7000	0037.5	072.9	38.75	
332.0	006.5156	0070.0	024.4	217.0	004.7000	0037.4	072.6	38.80	
333.0	006.2470	0070.0	024.2	216.7	004.7000	0037.3	072.4	38.85	
334.0	005.9840	0069.9	024.0	216.4	004.7000	0037.2	072.1	38.90	
335.0	005.7266	0069.7	023.7	216.1	004.7000	0037.2	071.9	38.94	
336.0	005.4749	0069.3	023.4	215.7	004.7000	0037.1	071.7	38.98	
337.0	005.2289	0068.8	023.1	215.3	004.7000	0037.1	071.5	39.01	
338.0	004.9885	0068.4	022.8	214.9	004.7000	0037.0	071.3	39.04	
339.0	004.7538	0067.9	022.4	214.5	004.7000	0037.0	071.2	39.07	
340.0	004.5247	0067.5	022.1	214.1	004.7000	0037.0	071.0	39.10	
341.0	004.3448	0067.2	021.9	213.8	004.7000	0037.0	070.9	39.13	
342.0	004.1686	0066.9	021.6	213.4	004.7000	0037.0	070.7	39.15	
343.0	003.9960	0066.6	021.3	213.1	004.7000	0037.0	070.6	39.18	
344.0	003.8270	0066.4	021.1	212.7	004.7000	0037.0	070.5	39.20	
345.0	003.6617	0066.3	020.9	212.4	004.7000	0037.0	070.4	39.23	
346.0	003.5000	0066.2	020.6	212.0	004.7000	0037.0	070.3	39.25	
347.0	003.3420	0066.2	020.4	211.7	004.7000	0037.0	070.2	39.27	
348.0	003.1877	0066.2	020.1	211.4	004.7000	0037.0	070.1	39.28	
349.0	003.0370	0066.1	019.9	211.0	004.7000	0037.0	070.1	39.29	
350.0	002.8899	0066.1	019.7	210.7	004.7000	0037.0	070.0	39.30	
351.0	002.7726	0066.1	019.4	210.3	004.7000	0037.0	070.0	39.31	
352.0	002.6576	0066.0	019.2	210.0	004.7000	0037.0	069.9	39.32	
353.0	002.5452	0066.0	019.0	209.7	004.7000	0037.0	069.9	39.33	
354.0	002.4351	0066.0	018.8	209.4	004.7000	0037.0	069.9	39.33	
355.0	002.3275	0066.0	018.6	209.0	004.7000	0037.0	069.9	39.33	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
356.0	002.2223	0066.0	018.4	208.7	004.7000	0037.0	069.9	39.33
357.0	002.1196	0066.0	018.1	208.4	004.7000	0037.0	069.9	39.32
358.0	002.0192	0066.0	017.9	208.1	004.7000	0037.0	069.9	39.32
359.0	001.9214	0066.0	017.7	207.8	004.7000	0037.0	070.0	39.30
000.0	001.8259	0066.0	017.4	207.4	004.7000	0037.0	070.1	39.29
001.0	001.8259	0065.9	017.4	207.2	004.7000	0037.0	069.9	39.32
002.0	001.8259	0065.8	017.4	207.0	004.7000	0037.0	069.8	39.34
003.0	001.8259	0065.6	017.4	206.8	004.7000	0037.0	069.7	39.36
004.0	001.8259	0065.5	017.4	206.5	004.7000	0037.0	069.6	39.38
005.0	001.8259	0065.3	017.3	206.3	004.7000	0037.0	069.5	39.40
006.0	001.8259	0065.3	017.3	206.0	004.7000	0037.0	069.4	39.42
007.0	001.8259	0065.3	017.3	205.8	004.7000	0037.0	069.3	39.44
008.0	001.8259	0065.3	017.3	205.6	004.7000	0037.0	069.2	39.46
009.0	001.8259	0065.4	017.3	205.3	004.7000	0037.0	069.1	39.48
010.0	001.8259	0065.4	017.4	205.1	004.7000	0037.0	069.0	39.50
011.0	001.8259	0065.4	017.4	204.9	004.7000	0037.0	069.0	39.51
012.0	001.8259	0065.4	017.4	204.6	004.7000	0037.0	068.9	39.53
013.0	001.8259	0065.5	017.4	204.4	004.7000	0037.0	068.8	39.54
014.0	001.8259	0065.5	017.4	204.1	004.7000	0037.0	068.8	39.55
015.0	001.8259	0065.5	017.4	203.9	004.7000	0037.0	068.7	39.56
016.0	001.8259	0065.6	017.4	203.6	004.7000	0037.0	068.7	39.57
017.0	001.8259	0065.6	017.4	203.4	004.7000	0037.0	068.6	39.58
018.0	001.8259	0065.7	017.4	203.1	004.7000	0037.0	068.6	39.59
019.0	001.8259	0065.7	017.4	202.9	004.7000	0037.0	068.6	39.60
020.0	001.8259	0065.8	017.4	202.6	004.7000	0037.0	068.5	39.60
021.0	001.8259	0065.8	017.4	202.4	004.7000	0037.0	068.5	39.60
022.0	001.8259	0065.9	017.4	202.1	004.7000	0037.0	068.5	39.61
023.0	001.8259	0065.9	017.4	201.8	004.7000	0037.0	068.5	39.61
024.0	001.8259	0066.0	017.4	201.6	004.7000	0037.0	068.5	39.61
025.0	001.8259	0066.1	017.4	201.3	004.7000	0037.0	068.5	39.60
026.0	001.8259	0066.1	017.5	201.1	004.7000	0037.0	068.5	39.60
027.0	001.8259	0066.2	017.5	200.8	004.7000	0037.0	068.6	39.60
028.0	001.8259	0066.3	017.5	200.6	004.7000	0037.0	068.6	39.59
029.0	001.8259	0066.4	017.5	200.3	004.7000	0037.0	068.6	39.59
030.0	001.8259	0066.4	017.5	200.1	004.7000	0037.0	068.7	39.58
031.0	001.8448	0066.5	017.5	199.8	004.7000	0037.0	068.7	39.58
032.0	001.8638	0066.5	017.6	199.5	004.7000	0037.0	068.7	39.57
033.0	001.8829	0066.4	017.6	199.3	004.7000	0037.0	068.7	39.57
034.0	001.9021	0066.3	017.7	199.0	004.7000	0037.0	068.8	39.56
035.0	001.9214	0066.2	017.7	198.8	004.7000	0037.0	068.8	39.55
036.0	001.9407	0066.2	017.8	198.5	004.7000	0037.0	068.8	39.54
037.0	001.9602	0066.3	017.8	198.3	004.7000	0037.0	068.9	39.53
038.0	001.9798	0066.3	017.9	198.0	004.7000	0037.0	068.9	39.52
039.0	001.9995	0066.2	017.9	197.7	004.7000	0037.0	069.0	39.50
040.0	002.0192	0066.1	017.9	197.5	004.7000	0037.0	069.1	39.48
041.0	002.1246	0066.0	018.2	197.2	004.7000	0037.0	069.0	39.50
042.0	002.2327	0066.1	018.4	196.9	004.7000	0037.0	068.9	39.52
043.0	002.3435	0066.2	018.6	196.5	004.7000	0037.0	068.9	39.54
044.0	002.4569	0066.3	018.9	196.2	004.7000	0037.0	068.8	39.55
045.0	002.5731	0066.4	019.1	195.8	004.7000	0037.0	068.7	39.56
046.0	002.6919	0066.6	019.4	195.5	004.7000	0037.0	068.7	39.57

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
047.0	002.8133	0066.8	019.6	195.2	004.7000	0037.0	068.7	39.58
048.0	002.9375	0066.9	019.9	194.8	004.7000	0037.0	068.6	39.58
049.0	003.0644	0067.1	020.1	194.5	004.7000	0037.0	068.6	39.58
050.0	003.1939	0067.3	020.3	194.1	004.7000	0037.0	068.7	39.58
051.0	003.3612	0067.5	020.6	193.7	004.7000	0037.0	068.6	39.58
052.0	003.5327	0067.7	020.9	193.3	004.7000	0037.0	068.7	39.58
053.0	003.7086	0067.9	021.2	193.0	004.7000	0037.0	068.7	39.57
054.0	003.8886	0068.0	021.4	192.6	004.7000	0037.0	068.7	39.56
055.0	004.0730	0068.1	021.7	192.2	004.7000	0037.0	068.8	39.55
056.0	004.2616	0068.0	021.9	191.9	004.7000	0037.0	068.9	39.53
057.0	004.4545	0068.0	022.1	191.5	004.7000	0037.0	069.0	39.50
058.0	004.6517	0068.1	022.3	191.1	004.7000	0037.0	069.1	39.48
059.0	004.8532	0068.4	022.6	190.7	004.7000	0037.0	069.2	39.46
060.0	005.0589	0068.9	022.9	190.4	004.7000	0037.0	069.3	39.44
061.0	005.3230	0069.4	023.2	189.9	004.7000	0037.0	069.4	39.42
062.0	005.5939	0069.6	023.5	189.5	004.7000	0037.0	069.6	39.39
063.0	005.8715	0069.6	023.8	189.1	004.7000	0037.0	069.8	39.35
064.0	006.1558	0069.5	024.0	188.8	004.7000	0037.0	070.0	39.31
065.0	006.4468	0069.5	024.3	188.4	004.7000	0037.0	070.2	39.27
066.0	006.7446	0069.7	024.6	188.0	004.7000	0037.0	070.4	39.23
067.0	007.0491	0069.9	024.9	187.7	004.7000	0037.0	070.6	39.18
068.0	007.3603	0070.0	025.1	187.3	004.7000	0037.0	070.8	39.13
069.0	007.6782	0069.9	025.3	187.0	004.7000	0037.0	071.1	39.08
070.0	008.0028	0069.7	025.5	186.7	004.7000	0037.0	071.4	39.02
071.0	008.4225	0069.5	025.8	186.3	004.7000	0037.0	071.7	38.96
072.0	008.8529	0069.3	026.1	186.0	004.7000	0037.0	072.0	38.90
073.0	009.2940	0069.2	026.3	185.6	004.7000	0037.0	072.3	38.83
074.0	009.7459	0069.2	026.6	185.3	004.7000	0037.0	072.7	38.77
075.0	010.2085	0069.1	026.9	185.0	004.7000	0037.0	073.0	38.70
076.0	010.6818	0069.3	027.2	184.6	004.7000	0037.0	073.4	38.63
077.0	011.1658	0069.4	027.5	184.3	004.7000	0037.0	073.7	38.55
078.0	011.6606	0069.5	027.8	184.0	004.7000	0037.0	074.1	38.48
079.0	012.1661	0069.6	028.0	183.7	004.7000	0037.0	074.5	38.40
080.0	012.6823	0069.7	028.3	183.4	004.7000	0037.0	074.9	38.31
081.0	012.9915	0069.8	028.5	183.2	004.7000	0037.0	075.4	38.22