

Exhibit EE-1: Engineering Statement in support of
FCC FORM 349
APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN AN FM TRANSLATOR OR FM BOOSTER STATION
(For a New Auction 100 FM Translator [long form])

This engineering exhibit supports a long form application for an FM translator (Facility ID 202456), Tampa, FL. File number BNPFT-20180125ACR. Channel 271 is requested with an ERP of 95W.

This FM translator is a fill-in facility for Class B AM station, WTMP (Fac. ID # 74108), a class B AM radio station licensed to Egypt Lake, FL.

The proposed facility's 102.5dB μ contour is within the protected contour of 2nd adjacent station WHPT, Sarasota, FL. It is also within the 76dB μ protected contour of 3rd adjacent station WPOI. Since WHPT is the weaker adjacent signal, demonstrating no interference to WHPT also demonstrates no interference to WPOI. WHPT's 62.5dB μ contour completely encompasses the new facility's proposed 102.5dB μ interfering contour. A D/U analysis shows that no interference reaches or approaches the ground nor any occupied structure or elevated roadway. Therefore this proposal should be acceptable under 74.1204(d) and a "Living Way" waiver is hereby requested.

The proposed facility protects LPFM stations WPBW-LP, WSDX-LP, WPHX-LP, WWFH-LP, FM translator W270DH and FM translator application BNPFT-20180125ACR. WSDX, WPHX, BNPFT-20180131AIE and W270DH are 1st adjacencies, while WPBW, WWFH and are co-channel facilities. Limited power and a directional antenna are used to protect each of these facilities. Appendix C is the proposed directional antenna pattern. The maximum power is limited by interference to 95W (0.095kW). This channel is also limited at this location to a maximum of 99W (0.099kW) by I.F. station WCIE.

Genesis Communications of Tampa is also filing a long form application for BNPFT-20180131AIE in coordination with this application.

The proposed facility is in compliance with 47 C.F.R. Section 1.1306 with regards to radio-frequency electromagnetic exposure in that the contribution to the rf environment is less than 5% of the maximum public exposure.

This application was prepared using FCC 30-arc-second terrain data.

Attached as Figure 1 is a color coded map showing the protected contours of all relevant FM facilities and the associated interfering contours from the proposed facility.

Figure 2 shows the proposed 1mV service contour of this application compared with the 2mV service contour for WTMP.

Figure 3, Study 1 and Appendix A demonstrate that no harmful interference will occur to 2nd adjacent channel station WHPT. No interference is predicted to occur to stronger station WPOI.

The proposal is sufficiently distant from all facilities mentioned in 73.1030(a), (b) & (c) so that notification under 73.1030 is not required.

Respectfully submitted

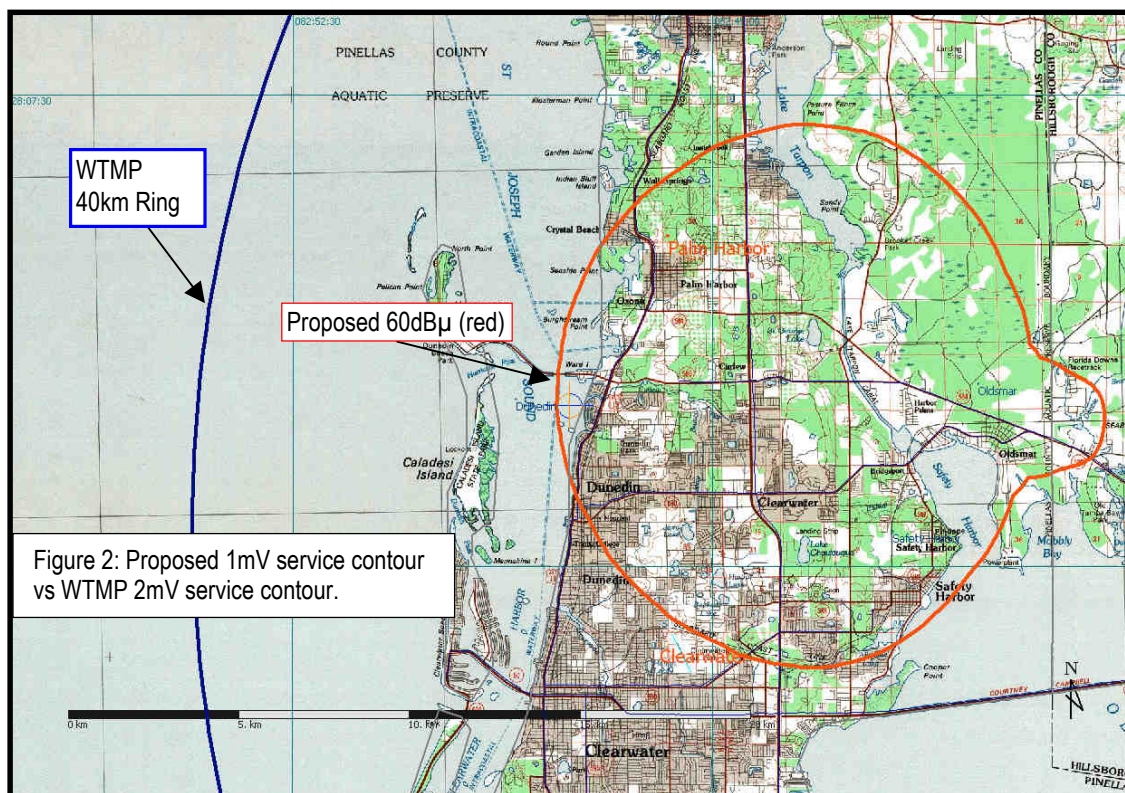
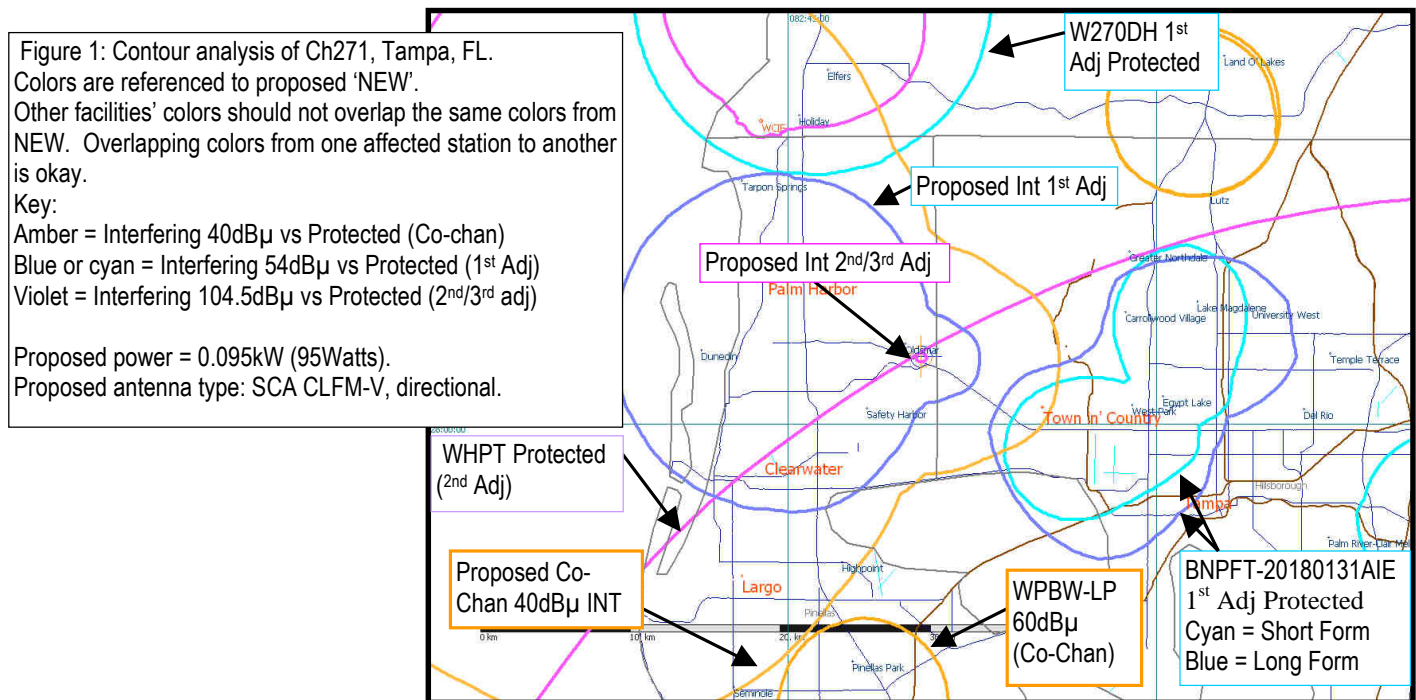
/S/

Kyle Magrill, Consultant
08 October, 2018

2805 NW 6th Street
Gainesville, FL 32609
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Analysis:

The proposed facility is inside the Tampa, FL radio market. This application changes antenna orientation and power.

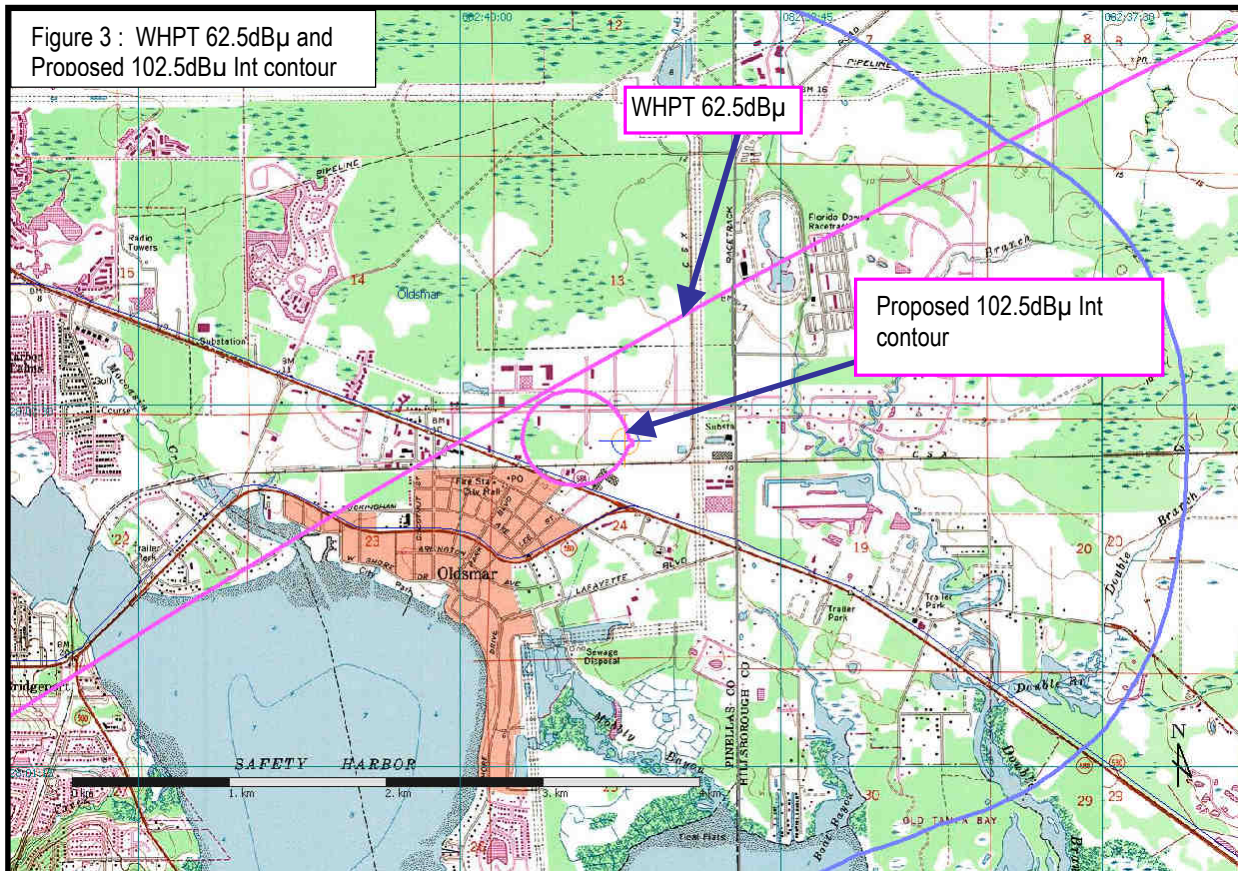


Desired to Undesired ratio (D/U) studies of facility vs WHPT Methodology:

The WHPT 62.5dB μ contour encompasses the proposed facility's 102.5dB μ contour.

The proposed facility is located adjacent to housing and roads, therefore it is necessary to prevent the interfering contour from reaching the ground.

All of the affected areas are completely contained within the WHPT 62.5dB μ contour. Therefore the worst case scenario for interference is $62.5\text{dB}\mu + 40\text{dB}\mu = 102.5\text{dB}\mu$.



Spreadsheets were used to calculate the distance to the interfering contours and show the margins of clearance (in dB) at a point two meters AGL. Where the interfering contour reaches near the ground, the table indicates how far from the tower the interference will reach. In the case of this facility, a one-bay directional antenna will be employed. The result is that the interfering contour does not reach the ground and does not reach any occupied structure or roadway. The spreadsheet output is attached as Appendix A.

Interference Study 1:

Terms and Methodology

Max ERP: The power specified in the application, expressed in kW.

Angle below the Horizon: The radiation angle below the antenna's horizontal plane.

Field at Angle: The field supplied by the antenna manufacturer for each Angle below the Horizon.

ERP at Angle: The ERP for an Angle given Max ERP & Field:

$$\text{ERP@Angle} = \text{Max ERP} * \text{Field}^2$$

Signal at Point: The predicted signal level assuming Free Space attenuation at a point:

$$\text{Signal} = 104.52 - (20 * \text{Log}(\text{Dist}(\text{km}))) + (10 * \text{Log}(\text{ERP@Angle}(\text{kW})))$$

Distance to Point: The radiation path distance from the antenna to a point.

$$\text{DistToPoint} = \text{Antenna Rad Center in meters AGL} / (\cos(90^\circ - \text{Angle}^\circ))$$

Distance From Tower: The distance from the tower base to a point.

$$\text{DistToPoint} * \sin(90^\circ - \text{Angle}^\circ)$$

Interference Threshold = Protected station's predicted contour value at a point +40dBμ

Over Threshold: The amount that the Proposal's signal exceeds the interference threshold.

$$\text{OverThresh} = \text{Signal} - \text{Interference Threshold value}$$

A negative Over Threshold value indicates no interference.

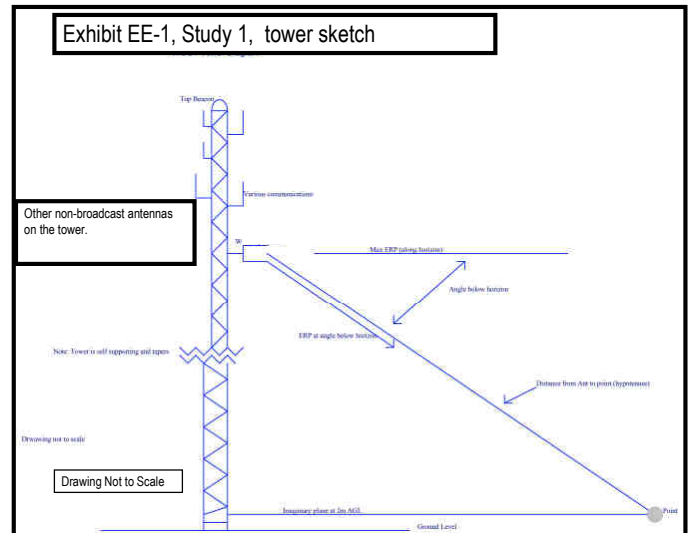
Notes:

When finding a value for a point two meters above ground, then: $\text{DistToPoint} = \text{Antenna Rad Center in meters above the plane, not ground} / (\cos(90^\circ - \text{Angle}^\circ))$. Subtracting 2 meters from the antenna RC produces the desired result.

Results:

Appendix A (attached to this application) shows the angle and distance to a point 2meters AGL from the proposed antenna. The Appendix A table also shows the distance to the interfering contour at 95W (.095kW).

The field strength is calculated at each end point and compared to the worst case protected contour of WHPT (62.5dBμ). Using the manufacturer's specified field elevation data, Appendix A shows that, at 2 meters above the ground, the interference threshold of 102.5dBμ does not reach the ground. There is one six-story building within the WHPT 62.75dBμ contour. Appendix B shows that the proposed 102.75dBμ contour does not reach the top floor of the building. The 102.5dBu contour does not reach any occupied structure or roadway. Other than the one structure, no other elevated public roads or occupied multi-story buildings extend into the zone of interference on any radial. It can be concluded that no interference is predicted to occur to WHPT or the stronger WPOI as a result of this proposal.



Section VII Engineering Data:

Tech Box Data:

1. Channel: **271**

Primary Station: **FID: 74108**

WTMP

Egypt Lake, FL

1150 kHz

Delivery Method: **Other**

Antenna Location Coordinates: (NAD27):

28° 02' 20.5" N

82° 39' 20.7" W

Antenna Structure Registration: **1027568**

Antenna Location Site Elevation Above Mean Sea Level: **3 meters**

Overall Tower Height Above Ground Level: **195 meters**

Height of Radiation Center Above Ground Level: **190 meters**

ERP:

0.095 kW (H)

0.095 kW (V)

Transmitting Antenna: **SCA CLFM-V (or equiv) Directional.**

Fill-in Translator: **Yes** (see EE-1, Figure 2)

Interference: **Yes**

Section 74.1204, **Checked**. See EE-1, Figure 1

Section 74.1205, **Not Checked**.

Unattended operation: **Yes**

Multiple Translators: **Yes**

NEPA: **Yes**. This proposal is excluded from environmental processing: The rf exposure was modeled using "FM Model" (from the FCC website) using a 1-element antenna at a height of 188m. The modeled maximum rf near the base of the tower is less than $1 \mu\text{W}/\text{cm}^2$ which is well below 5% of the uncontrolled public exposure limit, so no further processing is required. No changes to structure, lighting, land or water are proposed. Applicant will cease radiating if workers are near the antenna.

/S/

Kyle Magrill

Technical consultant

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Appendix A: D/U Analysis for WHPT

Scala CLFM-V	1 bay				190m AGL	Thresh- old=	102.50		
Maxi- mum ERP (kW)	Angle below Horizon (de- grees)	Field at Angle	ERP at Angle (kW)	Field at Point (dB(uV))	Distance to point (meters)	Distance from Tower (meters)	Over Thresh- old (dBuV)	Thresh- old	AGL+2M
0.095	0	1.000	0.095						
0.095	1	0.996	0.098	76.20	10772.15	10770.51	-26.30	102.5	188.000
0.095	2	0.992	0.097	82.18	5386.90	5383.62	-20.32	102.500	188.000
0.095	3	0.988	0.097	85.66	3592.18	3587.25	-16.84	102.500	188.000
0.095	4	0.984	0.096	88.12	2695.09	2688.53	-14.38	102.500	188.000
0.095	5	0.980	0.095	90.02	2157.06	2148.85	-12.48	102.500	188.000
0.095	6	0.974	0.094	91.55	1798.55	1788.70	-10.95	102.500	188.000
0.095	7	0.968	0.093	92.83	1542.64	1531.14	-9.67	102.500	188.000
0.095	8	0.962	0.092	93.93	1350.84	1337.69	-8.57	102.500	188.000
0.095	9	0.956	0.090	94.89	1201.78	1186.99	-7.61	102.500	188.000
0.095	10	0.950	0.089	95.74	1082.65	1066.20	-6.76	102.500	188.000
0.095	11	0.939	0.087	96.46	985.28	967.18	-6.04	102.500	188.000
0.095	12	0.928	0.085	97.10	904.23	884.47	-5.40	102.500	188.000
0.095	13	0.917	0.083	97.68	835.74	814.32	-4.82	102.500	188.000
0.095	14	0.906	0.081	98.21	777.11	754.03	-4.29	102.500	188.000
0.095	15	0.895	0.079	98.69	726.38	701.63	-3.81	102.500	188.000
0.095	16	0.880	0.077	99.09	682.06	655.63	-3.41	102.500	188.000
0.095	17	0.865	0.074	99.45	643.02	614.92	-3.05	102.500	188.000
0.095	18	0.850	0.072	99.78	608.38	578.60	-2.72	102.500	188.000
0.095	19	0.835	0.069	100.08	577.45	545.99	-2.42	102.500	188.000
0.095	20	0.820	0.067	100.35	549.68	516.53	-2.15	102.500	188.000
0.095	21	0.803	0.064	100.57	524.60	489.76	-1.93	102.500	188.000
0.095	22	0.786	0.061	100.77	501.86	465.32	-1.73	102.500	188.000
0.095	23	0.769	0.059	100.95	481.15	442.90	-1.55	102.500	188.000
0.095	24	0.752	0.056	101.10	462.22	422.25	-1.40	102.500	188.000
0.095	25	0.735	0.053	101.24	444.85	403.17	-1.26	102.500	188.000
0.095	26	0.717	0.051	101.34	428.86	385.46	-1.16	102.500	188.000
0.095	27	0.699	0.048	101.42	414.11	368.97	-1.08	102.500	188.000
0.095	28	0.681	0.046	101.49	400.45	353.58	-1.01	102.500	188.000
0.095	29	0.663	0.044	101.53	387.78	339.16	-0.97	102.500	188.000
0.095	30	0.645	0.041	101.56	376.00	325.63	-0.94	102.500	188.000
0.095	31	0.628	0.039	101.59	365.02	312.88	-0.91	102.500	188.000
0.095	32	0.612	0.037	101.61	354.77	300.86	-0.89	102.500	188.000
0.095	33	0.595	0.035	101.61	345.18	289.49	-0.89	102.500	188.000
0.095	34	0.579	0.033	101.60	336.20	278.72	-0.90	102.500	188.000
0.095	35	0.562	0.031	101.56	327.77	268.49	-0.94	102.500	188.000
0.095	36	0.544	0.029	101.49	319.84	258.76	-1.01	102.500	188.000
0.095	37	0.525	0.027	101.39	312.39	249.48	-1.11	102.500	188.000
0.095	38	0.507	0.025	101.28	305.36	240.63	-1.22	102.500	188.000
0.095	39	0.488	0.024	101.14	298.73	232.16	-1.36	102.500	188.000
0.095	40	0.470	0.022	101.00	292.48	224.05	-1.50	102.500	188.000
0.095	41	0.448	0.020	100.76	286.56	216.27	-1.74	102.500	188.000
0.095	42	0.426	0.018	100.49	280.96	208.80	-2.01	102.500	188.000
0.095	43	0.404	0.016	100.20	275.66	201.61	-2.30	102.500	188.000
0.095	44	0.382	0.014	99.87	270.64	194.68	-2.63	102.500	188.000
0.095	45	0.360	0.013	99.51	265.87	188.00	-2.99	102.500	188.000

Scala CLFM-V

1 bay

190m
AGLThresh-
old=

102.50

Maxi-
mum
ERPAngle
below
HorizonField at
AngleERP at
AngleField at
PointDistance
to pointDistance
from
Tower

Over (dBuV)

Maxi- mum ERP	Angle below Horizon	Field at Angle	ERP at Angle	Field at Point	Distance to point	Distance from Tower	Over (dBuV)		
0.095	46	0.338	0.011	99.11	261.35	181.55	-3.39	102.500	188.000
0.095	47	0.316	0.010	98.67	257.06	175.31	-3.83	102.500	188.000
0.095	48	0.294	0.009	98.18	252.98	169.28	-4.32	102.500	188.000
0.095	49	0.272	0.007	97.64	249.10	163.43	-4.86	102.500	188.000
0.095	50	0.250	0.006	97.04	245.42	157.75	-5.46	102.500	188.000
0.095	51	0.231	0.005	96.48	241.91	152.24	-6.02	102.500	188.000
0.095	52	0.212	0.004	95.85	238.58	146.88	-6.65	102.500	188.000
0.095	53	0.193	0.004	95.15	235.40	141.67	-7.35	102.500	188.000
0.095	54	0.174	0.003	94.36	232.38	136.59	-8.14	102.500	188.000
0.095	55	0.155	0.002	93.47	229.51	131.64	-9.03	102.500	188.000
0.095	56	0.141	0.002	92.75	226.77	126.81	-9.75	102.500	188.000
0.095	57	0.127	0.002	91.94	224.16	122.09	-10.56	102.500	188.000
0.095	58	0.113	0.001	91.02	221.69	117.48	-11.48	102.500	188.000
0.095	59	0.095	0.001	89.97	219.33	112.96	-12.53	102.500	188.000
0.095	60	0.085	0.001	88.73	217.08	108.54	-13.77	102.500	188.000
0.095	61	0.077	0.001	87.96	214.95	102.51	-14.54	102.500	188.000
0.095	62	0.069	0.000	87.09	212.92	99.96	-15.41	102.500	188.000
0.095	63	0.061	0.000	86.10	211.00	95.79	-16.40	102.500	188.000
0.095	64	0.053	0.000	84.95	209.17	91.69	-17.55	102.500	188.000
0.095	65	0.045	0.000	83.60	207.44	87.67	-18.90	102.500	188.000
0.095	66	0.040	0.000	82.65	205.79	83.70	-19.85	102.500	188.000
0.095	67	0.035	0.000	81.56	204.24	79.80	-20.94	102.500	188.000
0.095	68	0.030	0.000	80.28	202.76	75.96	-22.22	102.500	188.000
0.095	69	0.025	0.000	78.76	201.38	72.17	-23.74	102.500	188.000
0.095	70	0.020	0.000	76.87	200.07	68.43	-25.63	102.500	188.000
0.095	71	0.018	0.000	76.01	198.83	64.73	-26.49	102.500	188.000
0.095	72	0.016	0.000	75.04	197.67	61.08	-27.46	102.500	188.000
0.095	73	0.014	0.000	73.93	196.59	57.48	-28.57	102.500	188.000
0.095	74	0.012	0.000	72.63	195.58	53.91	-29.87	102.500	188.000
0.095	75	0.010	0.000	71.09	194.63	50.37	-31.41	102.500	188.000
0.095	76	0.010	0.000	71.13	193.76	46.87	-31.37	102.500	188.000
0.095	77	0.010	0.000	71.17	192.95	43.40	-31.33	102.500	188.000
0.095	78	0.010	0.000	71.20	192.20	39.96	-31.30	102.500	188.000
0.095	79	0.010	0.000	71.23	191.52	36.54	-31.27	102.500	188.000
0.095	80	0.010	0.000	71.26	190.90	33.15	-31.24	102.500	188.000
0.095	81	0.010	0.000	71.29	190.34	29.78	-31.21	102.500	188.000
0.095	82	0.010	0.000	71.31	189.85	26.42	-31.19	102.500	188.000
0.095	83	0.010	0.000	71.33	189.41	23.08	-31.17	102.500	188.000
0.095	84	0.010	0.000	71.35	189.04	19.76	-31.15	102.500	188.000
0.095	85	0.010	0.000	71.36	188.72	16.45	-31.14	102.500	188.000
0.095	86	0.010	0.000	71.37	188.46	13.15	-31.13	102.500	188.000
0.095	87	0.010	0.000	71.38	188.26	9.85	-31.12	102.500	188.000
0.095	88	0.010	0.000	71.39	188.11	6.57	-31.11	102.500	188.000
0.095	89	0.010	0.000	71.39	188.03	3.28	-31.11	102.500	188.000

Scala CLFM-V	1 bay	188m AGL	Thresh- 102.75 old=
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Maxi- mum ERP (kW)	Angle below Horizon (de- grees)	Field at Angle	ERP at Angle (kW)	Field at Point (dB(uV))	Distance to point (meters)	Distance from Tower (meters)	Over Thresh- old (dBuV)	Thresh- old	AGL+2M
0.095	0	1.000	0.095						
0.095	1	0.996	0.098	77.17	9626.18	9624.71	-25.58	102.75	168.000
0.095	2	0.992	0.097	83.16	4813.82	4810.89	-19.59	102.750	168.000
0.095	3	0.988	0.097	86.64	3210.03	3205.63	-16.11	102.750	168.000
0.095	4	0.984	0.096	89.10	2408.38	2402.51	-13.65	102.750	168.000
0.095	5	0.980	0.095	91.00	1927.58	1920.25	-11.75	102.750	168.000
0.095	6	0.974	0.094	92.53	1607.22	1598.41	-10.22	102.750	168.000
0.095	7	0.968	0.093	93.81	1378.53	1368.25	-8.94	102.750	168.000
0.095	8	0.962	0.092	94.90	1207.13	1195.38	-7.85	102.750	168.000
0.095	9	0.956	0.090	95.87	1073.93	1060.71	-6.88	102.750	168.000
0.095	10	0.950	0.089	96.72	967.47	952.78	-6.03	102.750	168.000
0.095	11	0.939	0.087	97.44	880.46	864.29	-5.31	102.750	168.000
0.095	12	0.928	0.085	98.08	808.04	790.38	-4.67	102.750	168.000
0.095	13	0.917	0.083	98.66	746.83	727.69	-4.09	102.750	168.000
0.095	14	0.906	0.081	99.19	694.44	673.81	-3.56	102.750	168.000
0.095	15	0.895	0.079	99.67	649.10	626.98	-3.08	102.750	168.000
0.095	16	0.880	0.077	100.07	609.50	585.89	-2.68	102.750	168.000
0.095	17	0.865	0.074	100.43	574.61	549.50	-2.32	102.750	168.000
0.095	18	0.850	0.072	100.76	543.66	517.05	-1.99	102.750	168.000
0.095	19	0.835	0.069	101.06	516.02	487.91	-1.69	102.750	168.000
0.095	20	0.820	0.067	101.33	491.20	461.58	-1.42	102.750	168.000
0.095	21	0.803	0.064	101.55	468.79	437.65	-1.20	102.750	168.000
0.095	22	0.786	0.061	101.75	448.47	415.81	-1.00	102.750	168.000
0.095	23	0.769	0.059	101.93	429.96	395.78	-0.82	102.750	168.000
0.095	24	0.752	0.056	102.08	413.04	377.33	-0.67	102.750	168.000
0.095	25	0.735	0.053	102.21	397.52	360.28	-0.54	102.750	168.000
0.095	26	0.717	0.051	102.32	383.24	344.45	-0.43	102.750	168.000
0.095	27	0.699	0.048	102.40	370.05	329.72	-0.35	102.750	168.000
0.095	28	0.681	0.046	102.47	357.85	315.96	-0.28	102.750	168.000
0.095	29	0.663	0.044	102.51	346.53	303.08	-0.24	102.750	168.000
0.095	30	0.645	0.041	102.54	336.00	290.98	-0.21	102.750	168.000
0.095	31	0.628	0.039	102.57	326.19	279.60	-0.18	102.750	168.000
0.095	32	0.612	0.037	102.59	317.03	268.86	-0.16	102.750	168.000
0.095	33	0.595	0.035	102.58	308.46	258.70	-0.17	102.750	168.000
0.095	34	0.579	0.033	102.57	300.43	249.07	-0.18	102.750	168.000
0.095	35	0.562	0.031	102.54	292.90	239.93	-0.21	102.750	168.000
0.095	36	0.544	0.029	102.47	285.82	231.23	-0.28	102.750	168.000
0.095	37	0.525	0.027	102.36	279.16	222.94	-0.39	102.750	168.000
0.095	38	0.507	0.025	102.26	272.88	215.03	-0.49	102.750	168.000
0.095	39	0.488	0.024	102.12	266.95	207.46	-0.63	102.750	168.000
0.095	40	0.470	0.022	101.97	261.36	200.21	-0.78	102.750	168.000
0.095	41	0.448	0.020	101.73	256.07	193.26	-1.02	102.750	168.000
0.095	42	0.426	0.018	101.47	251.07	186.58	-1.28	102.750	168.000
0.095	43	0.404	0.016	101.17	246.33	180.16	-1.58	102.750	168.000
0.095	44	0.382	0.014	100.85	241.85	173.97	-1.90	102.750	168.000
0.095	45	0.360	0.013	100.49	237.59	168.00	-2.26	102.750	168.000

Scala CLFM-V		1 bay		118m AGL		Thresh- old=	106.70	Thresh- old	AGL+2M
Maxi- mum ERP	Angle below Horizon	Field at Angle	ERP at Angle	Field at Point	Distance to point	Distance from Tower	Over (dBuV)		
0.095	46	0.338	0.011	100.09	233.55	162.24	-2.66	102.750	168.000
0.095	47	0.316	0.010	99.65	229.71	156.66	-3.10	102.750	168.000
0.095	48	0.294	0.009	99.16	226.07	151.27	-3.59	102.750	168.000
0.095	49	0.272	0.007	98.62	222.60	146.04	-4.13	102.750	168.000
0.095	50	0.250	0.006	98.01	219.31	140.97	-4.74	102.750	168.000
0.095	51	0.231	0.005	97.45	216.18	136.04	-5.30	102.750	168.000
0.095	52	0.212	0.004	96.83	213.20	131.26	-5.92	102.750	168.000
0.095	53	0.193	0.004	96.13	210.36	126.60	-6.62	102.750	168.000
0.095	54	0.174	0.003	95.34	207.66	122.06	-7.41	102.750	168.000
0.095	55	0.155	0.002	94.44	205.09	117.63	-8.31	102.750	168.000
0.095	56	0.141	0.002	93.73	202.64	113.32	-9.02	102.750	168.000
0.095	57	0.127	0.002	92.92	200.32	109.10	-9.83	102.750	168.000
0.095	58	0.113	0.001	92.00	198.10	104.98	-10.75	102.750	168.000
0.095	59	0.095	0.001	90.94	195.99	100.94	-11.81	102.750	168.000
0.095	60	0.085	0.001	89.71	193.99	96.99	-13.04	102.750	168.000
0.095	61	0.077	0.001	88.94	192.08	93.12	-13.81	102.750	168.000
0.095	62	0.069	0.000	88.07	190.27	89.33	-14.68	102.750	168.000
0.095	63	0.061	0.000	87.07	188.55	85.60	-15.68	102.750	168.000
0.095	64	0.053	0.000	85.93	186.92	81.94	-16.82	102.750	168.000
0.095	65	0.045	0.000	84.58	185.37	78.34	-18.17	102.750	168.000
0.095	66	0.040	0.000	83.63	183.90	74.80	-19.12	102.750	168.000
0.095	67	0.035	0.000	82.53	182.51	71.31	-20.22	102.750	168.000
0.095	68	0.030	0.000	81.26	181.19	67.88	-21.49	102.750	168.000
0.095	69	0.025	0.000	79.73	179.95	64.49	-23.02	102.750	168.000
0.095	70	0.020	0.000	77.85	178.78	61.15	-24.90	102.750	168.000
0.095	71	0.018	0.000	76.99	177.68	57.85	-25.76	102.750	168.000
0.095	72	0.016	0.000	76.02	176.65	54.59	-26.73	102.750	168.000
0.095	73	0.014	0.000	74.90	175.68	51.36	-27.85	102.750	168.000
0.095	74	0.012	0.000	73.61	174.77	48.17	-29.14	102.750	168.000
0.095	75	0.010	0.000	72.07	173.93	45.02	-30.68	102.750	168.000
0.095	76	0.010	0.000	72.11	173.14	41.89	-30.64	102.750	168.000
0.095	77	0.010	0.000	72.14	172.42	38.79	-30.61	102.750	168.000
0.095	78	0.010	0.000	72.18	171.75	35.71	-30.57	102.750	168.000
0.095	79	0.010	0.000	72.21	171.14	32.66	-30.54	102.750	168.000
0.095	80	0.010	0.000	72.24	170.59	29.62	-30.51	102.750	168.000
0.095	81	0.010	0.000	72.26	170.09	26.61	-30.49	102.750	168.000
0.095	82	0.010	0.000	72.29	169.65	23.61	-30.46	102.750	168.000
0.095	83	0.010	0.000	72.31	169.26	20.63	-30.44	102.750	168.000
0.095	84	0.010	0.000	72.32	168.93	17.66	-30.43	102.750	168.000
0.095	85	0.010	0.000	72.34	168.64	14.70	-30.41	102.750	168.000
0.095	86	0.010	0.000	72.35	168.41	11.75	-30.40	102.750	168.000
0.095	87	0.010	0.000	72.36	168.23	8.80	-30.39	102.750	168.000
0.095	88	0.010	0.000	72.36	168.10	5.87	-30.39	102.750	168.000
0.095	89	0.010	0.000	72.37	168.03	2.93	-30.38	102.750	168.000