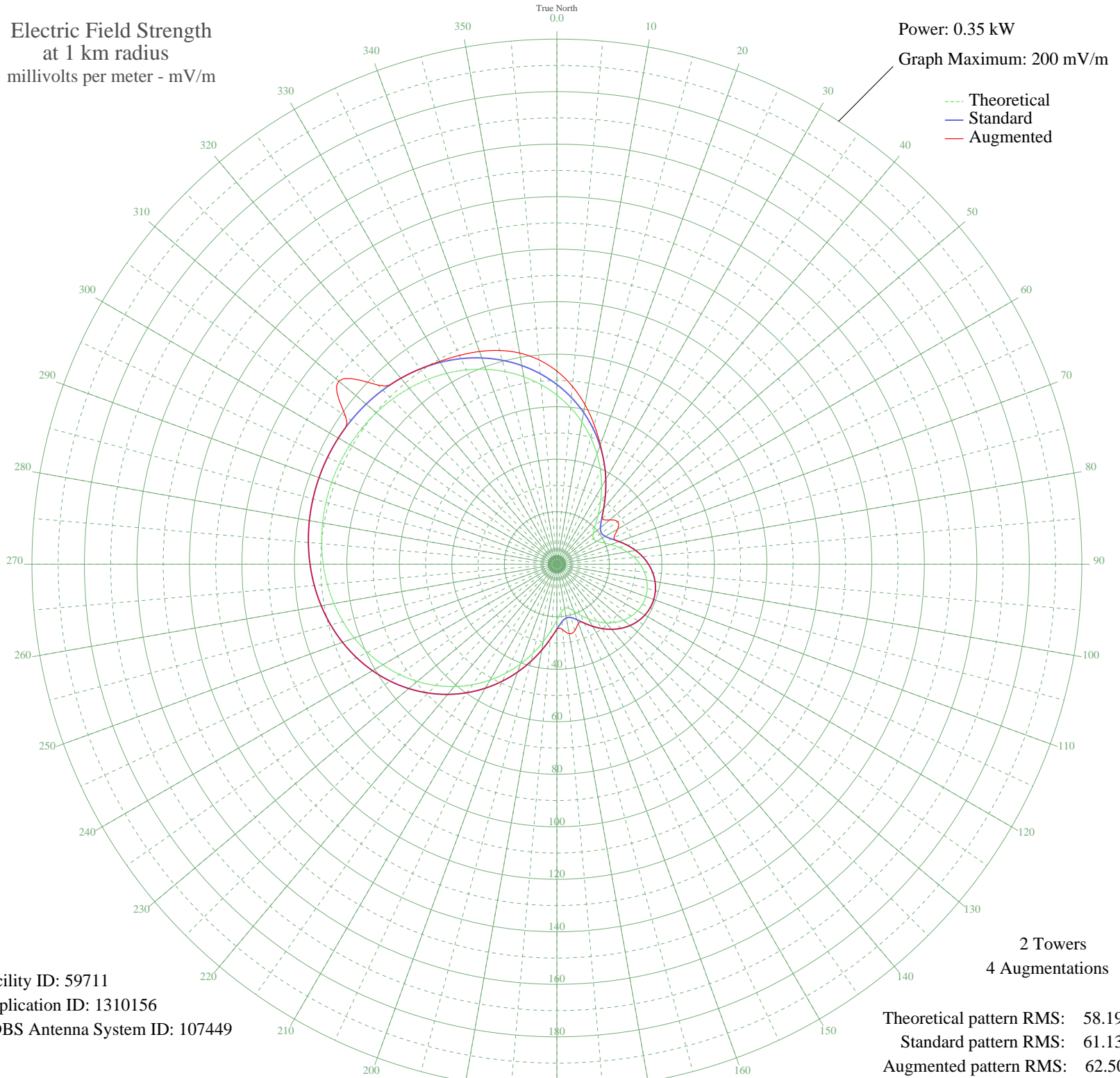


WCTN POTOMAC-CABIN JOHN, MD BL-20081120AHC 950 kHz

Nighttime

Electric Field Strength
at 1 km radius
millivolts per meter - mV/m

Power: 0.35 kW
Graph Maximum: 200 mV/m



Facility ID: 59711
Application ID: 1310156
CDBS Antenna System ID: 107449

Theoretical pattern RMS: 58.19
Standard pattern RMS: 61.13
Augmented pattern RMS: 62.50

Azimuth	E _{theo}	E _{std}	E _{aug}
0	64.42	68.45	73.56
5	59.86	63.73	68.01
10	55.00	58.70	61.68
15	49.91	53.44	54.97
20	44.65	48.04	48.40
25	39.33	42.61	42.61
30	34.06	37.28	37.28
35	29.03	32.24	32.24
40	24.45	27.74	27.74
45	20.64	24.09	24.56
50	18.03	21.65	26.24
55	17.00	20.71	28.24
60	17.59	21.24	26.74
65	19.39	22.91	23.98
70	21.85	25.23	25.23
75	24.54	27.83	27.83
80	27.19	30.41	30.41
85	29.61	32.82	32.82
90	31.72	34.92	34.92
95	33.45	36.65	36.65
100	34.75	37.97	37.97
105	35.62	38.85	38.85
110	36.04	39.27	39.27
115	35.99	39.22	39.22
120	35.48	38.71	38.71
125	34.53	37.74	37.74
130	33.13	36.34	36.34
135	31.33	34.53	34.53
140	29.15	32.36	32.36
145	26.67	29.91	29.91
150	24.00	27.30	27.30
155	21.33	24.74	24.74
160	18.96	22.51	24.01
165	17.36	21.03	26.24
170	17.07	20.78	26.86
175	18.44	22.03	25.02

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	21.32	24.73	24.83
185	25.32	28.58	28.58
190	30.01	33.21	33.21
195	35.10	38.33	38.33
200	40.39	43.69	43.69
205	45.71	49.13	49.13
210	50.94	54.51	54.51
215	56.00	59.73	59.73
220	60.80	64.70	64.70
225	65.30	69.36	69.36
230	69.44	73.67	73.67
235	73.21	77.58	77.58
240	76.59	81.10	81.10
245	79.57	84.20	84.20
250	82.16	86.91	86.91
255	84.38	89.22	89.22
260	86.25	91.17	91.17
265	87.78	92.77	92.77
270	89.01	94.05	94.05
275	89.96	95.04	95.04
280	90.64	95.75	95.75
285	91.08	96.21	96.21
290	91.28	96.42	96.42
295	91.26	96.40	96.40
300	91.01	96.14	96.14
305	90.52	95.63	98.32
310	89.79	94.86	108.50
315	88.79	93.82	96.56
320	87.50	92.47	92.47
325	85.90	90.81	90.82
330	83.97	88.79	89.22
335	81.67	86.40	87.76
340	79.00	83.61	86.22
345	75.94	80.43	84.29
350	72.49	76.83	81.67
355	68.64	72.83	78.13