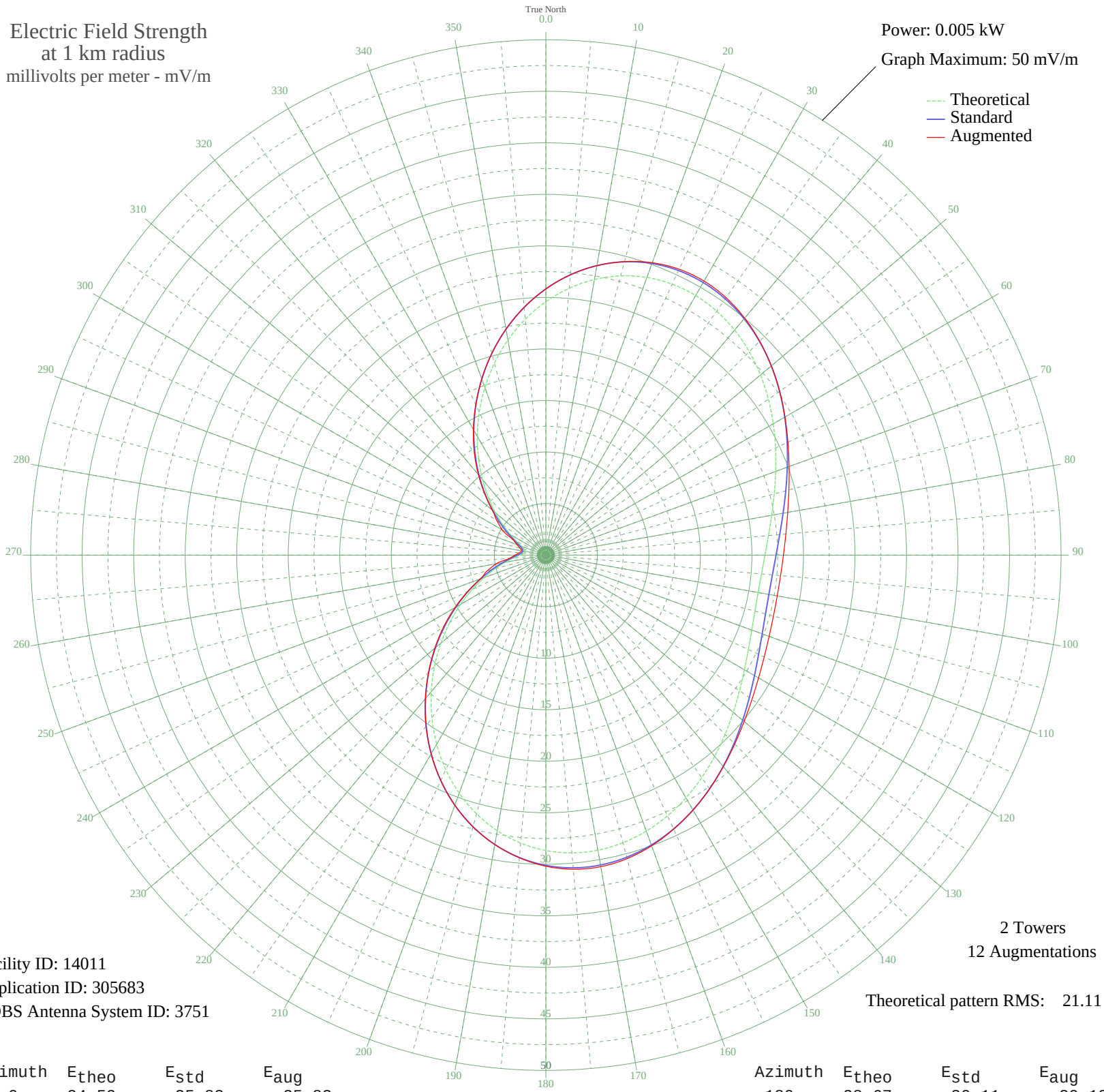
WCSY SOUTH HAVEN, MI BL-- 940 kHz

Nighttime

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



Power: 0.005 kW

Graph Maximum: 50 mV/m

Theoretical
Standard
Augmented

2 Towers
12 Augmentations

Facility ID: 14011
Application ID: 305683
CDBS Antenna System ID: 3751

Theoretical pattern RMS: 21.11

Azimuth	E_{theo}	E_{std}	E_{aug}
0	24.59	25.83	25.83
5	25.99	27.30	27.30
10	27.15	28.52	28.52
15	28.05	29.46	29.48
20	28.67	30.11	30.19
25	29.00	30.46	30.60
30	29.08	30.54	30.70
35	28.90	30.35	30.49
40	28.50	29.93	30.02
45	27.92	29.32	29.35
50	27.19	28.56	28.56
55	26.37	27.69	27.69
60	25.49	26.77	26.79
65	24.60	25.84	25.92
70	23.74	24.94	25.12
75	22.95	24.10	24.42
80	22.25	23.38	23.83
85	21.68	22.78	23.38
90	21.26	22.34	23.06
95	21.01	22.07	22.86
100	20.92	21.98	22.80
105	21.01	22.07	22.86
110	21.26	22.34	23.06
115	21.68	22.78	23.38
120	22.25	23.38	23.83
125	22.95	24.10	24.42
130	23.74	24.94	25.12
135	24.60	25.84	25.92
140	25.49	26.77	26.79
145	26.37	27.69	27.69
150	27.19	28.56	28.56
155	27.92	29.32	29.35
160	28.50	29.93	30.02
165	28.90	30.35	30.49
170	29.08	30.54	30.70
175	29.00	30.46	30.60
180	28.67	30.11	30.19
185	28.05	29.46	29.48
190	27.15	28.52	28.52
195	25.99	27.30	27.30
200	24.59	25.83	25.83
205	22.97	24.13	24.13
210	21.19	22.26	22.26
215	19.28	20.26	20.26
220	17.30	18.18	18.18
225	15.29	16.07	16.09
230	13.30	13.99	14.07
235	11.38	11.97	12.10
240	9.57	10.07	10.19
245	7.90	8.32	8.37
250	6.40	6.76	6.76
255	5.09	5.40	5.90
260	4.01	4.27	4.91
265	3.15	3.39	3.49
270	2.53	2.76	3.00
275	2.15	2.38	2.59
280	2.03	2.26	2.40
285	2.15	2.38	2.59
290	2.53	2.76	3.00
295	3.15	3.39	3.49
300	4.01	4.27	4.91
305	5.09	5.40	5.80
310	6.40	6.76	6.76
315	7.90	8.32	8.37
320	9.57	10.07	10.19
325	11.38	11.97	12.10
330	13.30	13.99	14.07
335	15.29	16.07	16.09
340	17.30	18.18	18.18
345	19.28	20.26	20.26
350	21.19	22.26	22.26
355	22.97	24.13	24.13

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