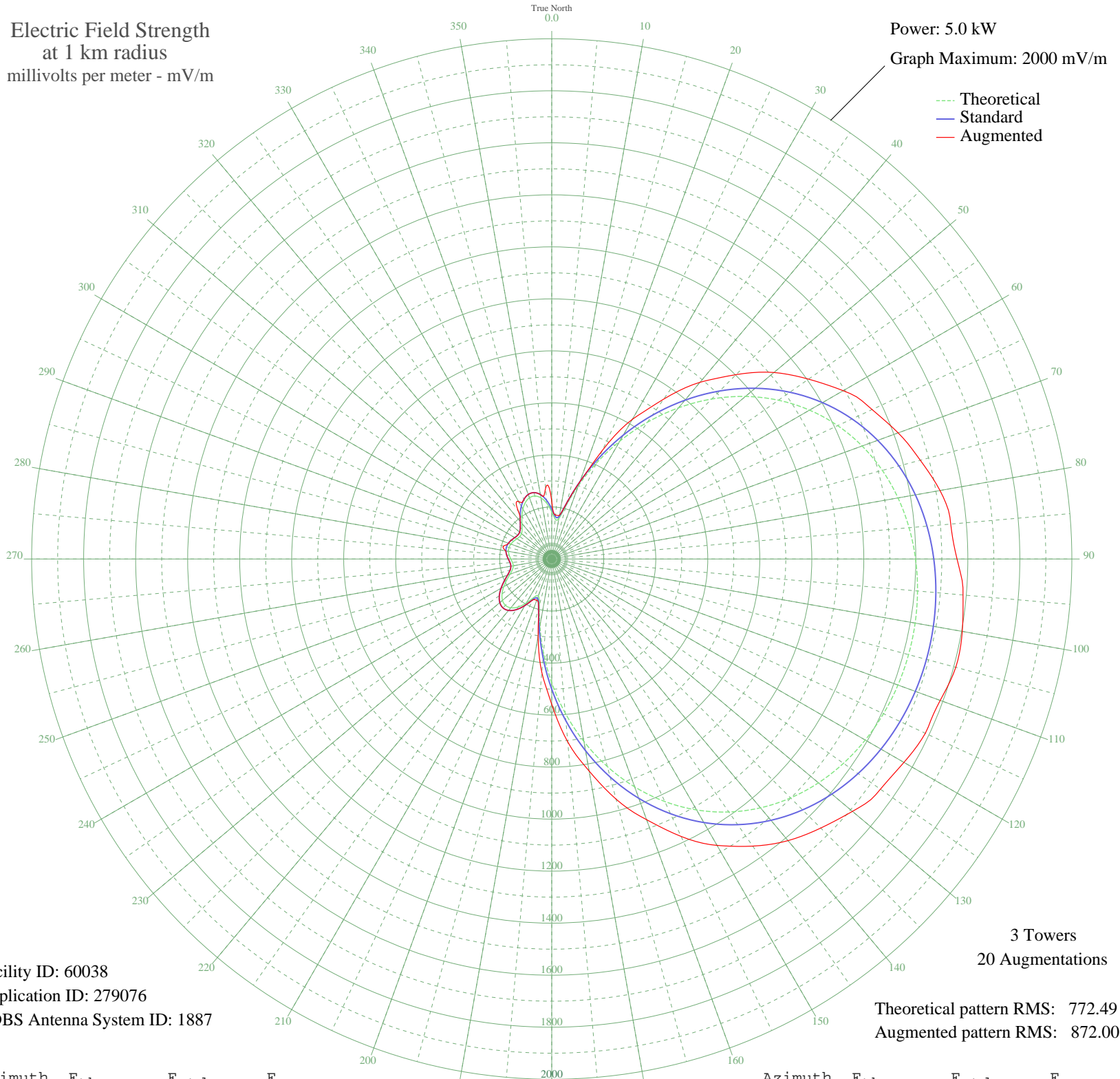


# WSPO CHARLESTON, SC BL-19981217AG 1390 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 60038  
Application ID: 279076  
CDBS Antenna System ID: 1887

Theoretical pattern RMS: 772.49  
Augmented pattern RMS: 872.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	181.80	192.36	221.98
5	153.96	163.39	169.62
10	158.13	167.73	170.97
15	211.53	223.38	223.38
20	299.98	315.87	315.87
25	407.05	428.06	460.78
30	523.11	549.78	619.98
35	641.88	674.40	750.19
40	758.64	796.93	886.82
45	869.68	913.47	1002.35
50	972.19	1021.07	1115.48
55	1064.23	1117.70	1205.54
60	1144.72	1202.19	1294.09
65	1213.28	1274.17	1359.36
70	1270.18	1333.90	1417.56
75	1316.12	1382.13	1467.21
80	1352.14	1419.95	1516.05
85	1379.38	1448.54	1540.12
90	1398.97	1469.11	1558.51
95	1411.91	1482.69	1587.59
100	1418.95	1490.09	1603.03
105	1420.55	1491.77	1608.53
110	1416.81	1487.84	1589.65
115	1407.48	1478.04	1585.20
120	1391.98	1461.78	1563.87
125	1369.46	1438.13	1542.90
130	1338.85	1406.00	1509.49
135	1299.00	1364.15	1462.84
140	1248.78	1311.43	1413.41
145	1187.28	1246.87	1347.46
150	1113.95	1169.89	1271.39
155	1028.76	1080.46	1176.79
160	932.35	979.25	1066.49
165	826.15	867.78	955.78
170	712.44	748.44	827.64
175	594.38	624.55	705.86

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 <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	476.05	500.42	558.97
185	362.71	381.59	437.62
190	261.64	275.74	301.01
195	184.81	195.49	195.49
200	150.69	160.00	168.73
205	163.07	172.86	173.73
210	195.26	206.39	206.39
215	225.31	237.76	237.76
220	244.85	258.19	258.19
225	251.90	265.56	265.56
230	247.29	260.74	260.74
235	233.32	246.13	246.13
240	213.24	225.16	225.16
245	190.95	201.90	201.90
250	170.70	180.80	180.80
255	156.40	165.93	165.93
260	150.28	159.57	159.57
265	151.67	161.01	161.01
270	157.49	167.06	167.06
275	164.14	173.98	173.98
280	168.83	178.86	180.14
285	170.00	180.08	191.84
290	167.32	177.28	177.28
295	161.59	171.32	171.32
300	154.87	164.34	164.34
305	150.37	159.67	159.67
310	151.72	161.06	161.06
315	161.20	170.92	170.92
320	178.29	188.70	188.70
325	199.86	211.20	223.60
330	221.77	234.06	254.96
335	239.84	252.95	252.95
340	250.41	264.01	264.01
345	250.57	264.17	264.17
350	238.50	251.55	251.55
355	214.28	226.25	272.83