

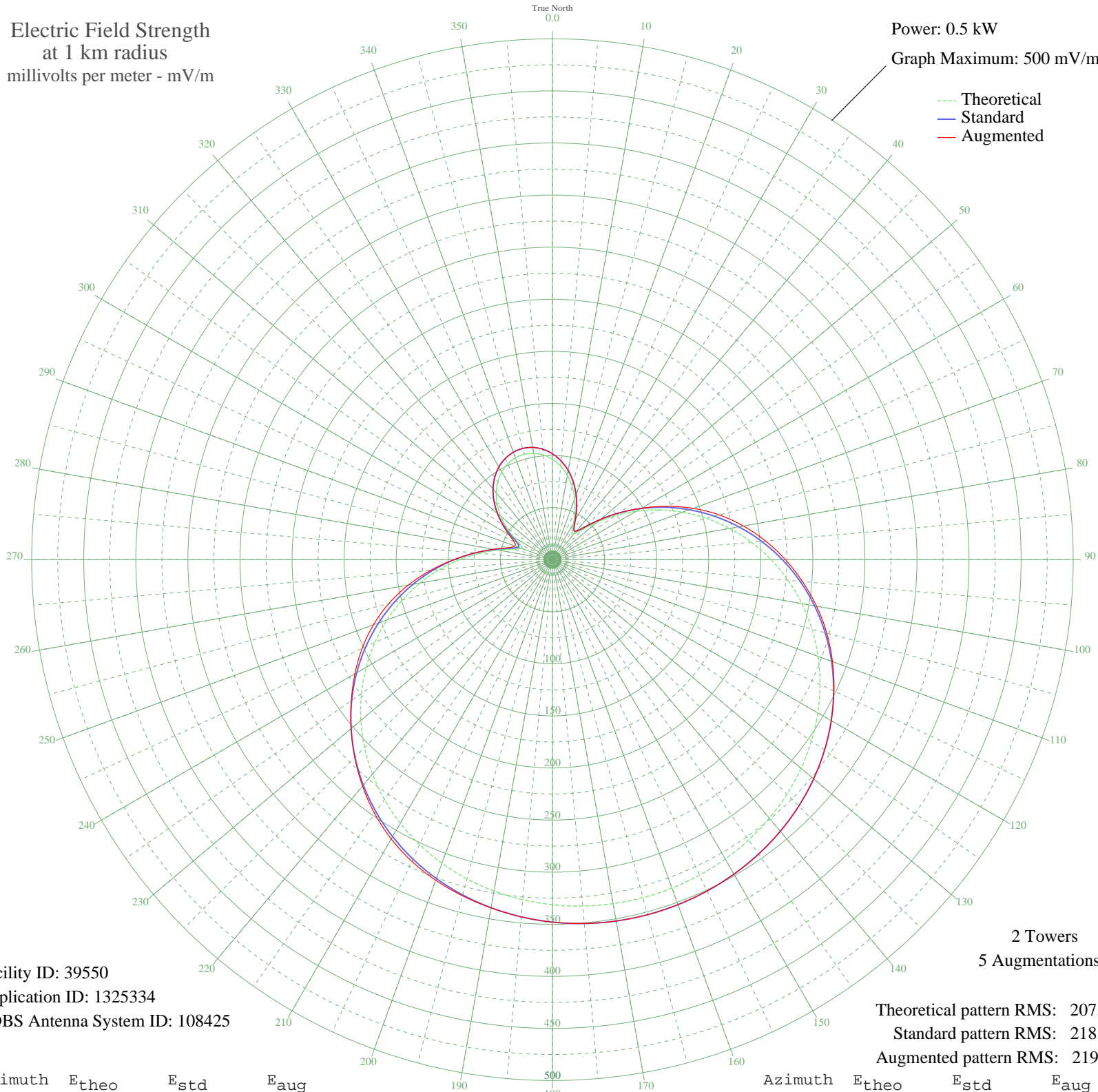
WAMD ABERDEEN, MD 4ML-20090723AGK 970 kHz

Nighttime

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

Power: 0.5 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 39550
Application ID: 1325334
CDBS Antenna System ID: 108425

Theoretical pattern RMS: 207.61
Standard pattern RMS: 218.24
Augmented pattern RMS: 219.14

Azimuth	E _{theo}	E _{std}	E _{aug}
0	96.31	101.66	101.66
5	90.06	95.14	95.14
10	82.21	86.96	86.96
15	72.92	77.28	77.28
20	62.42	66.38	66.38
25	51.23	54.80	54.80
30	40.45	43.75	43.75
35	32.71	35.91	35.91
40	32.54	35.74	35.74
45	41.53	44.85	44.85
50	56.30	60.04	60.04
55	73.94	78.35	78.35
60	93.06	98.27	98.67
65	112.91	119.02	121.14
70	133.03	140.08	143.97
75	153.07	161.06	165.86
80	172.73	181.67	186.20
85	191.77	201.63	205.39
90	209.97	220.72	223.63
95	227.15	238.74	241.00
100	243.19	255.56	257.50
105	257.96	271.06	272.66
110	271.41	285.17	286.14
115	283.49	297.85	298.20
120	294.21	309.10	309.11
125	303.57	318.92	318.92
130	311.62	327.37	327.37
135	318.41	334.49	334.49
140	324.00	340.36	340.36
145	328.44	345.03	345.03
150	331.81	348.56	348.56
155	334.15	351.02	351.02
160	335.51	352.44	352.44
165	335.89	352.84	352.84
170	335.31	352.24	352.24
175	333.77	350.61	350.61

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	331.22	347.94	347.94
185	327.64	344.19	344.19
190	322.97	339.28	339.45
195	317.15	333.17	334.03
200	310.11	325.79	327.56
205	301.80	317.07	319.55
210	292.17	306.96	309.59
215	281.19	295.43	297.56
220	268.83	282.46	283.68
225	255.11	268.07	268.41
230	240.08	252.30	252.30
235	223.80	235.23	235.76
240	206.40	216.98	218.97
245	188.02	197.70	201.56
250	168.84	177.59	182.94
255	149.08	156.89	162.60
260	129.00	135.86	140.53
265	108.90	114.83	117.39
270	89.16	94.20	94.69
275	70.26	74.52	74.56
280	53.05	56.68	57.27
285	39.14	42.42	44.32
290	31.79	34.99	38.39
295	33.81	37.02	40.60
300	42.48	45.82	48.33
305	53.48	57.13	58.38
310	64.60	68.63	69.00
315	74.88	79.32	79.33
320	83.91	88.72	88.72
325	91.44	96.58	96.58
330	97.36	102.76	102.76
335	101.57	107.17	107.17
340	104.05	109.75	109.75
345	104.76	110.49	110.49
350	103.69	109.38	109.38
355	100.87	106.43	106.43