

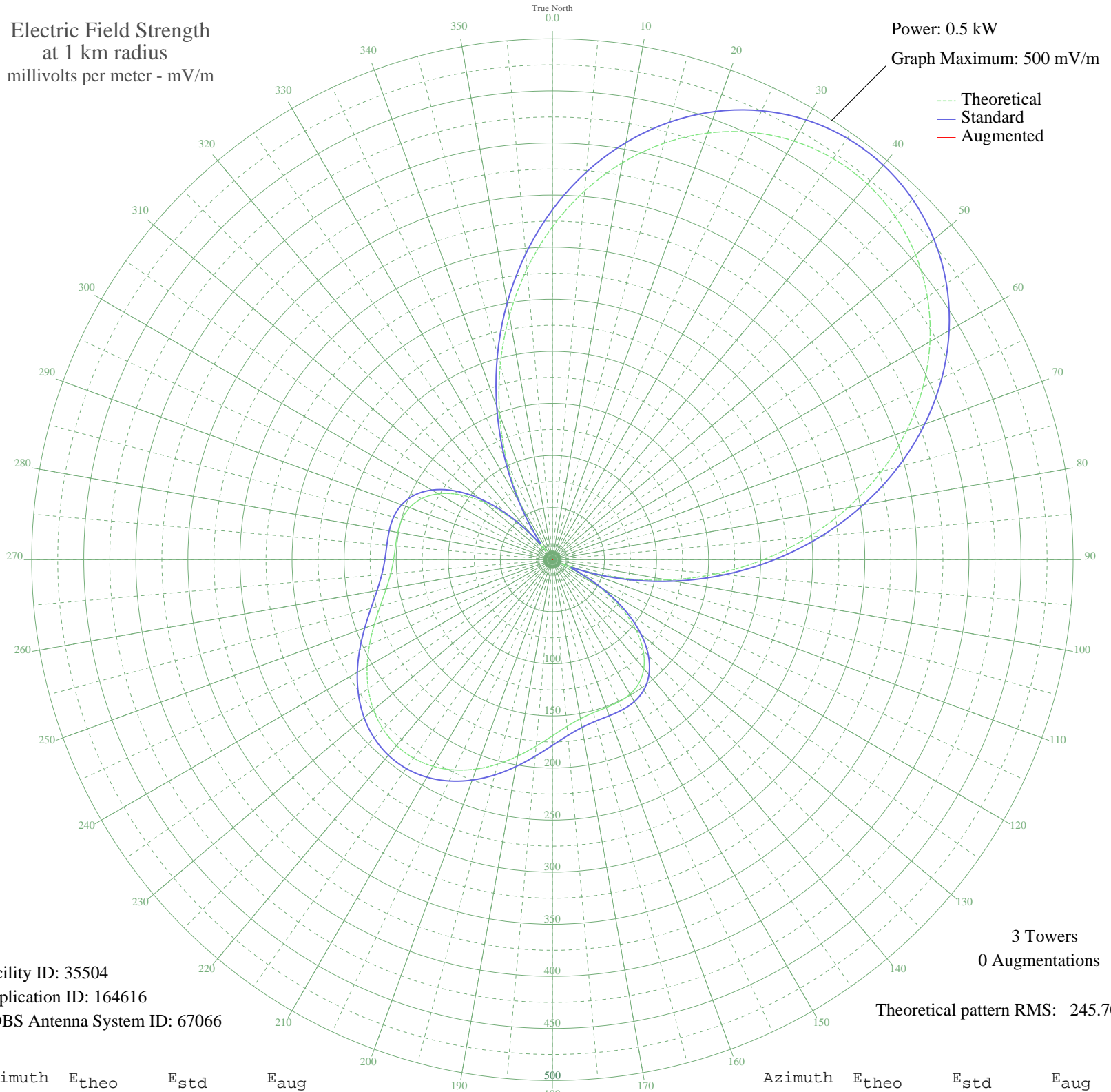
KDIZ GOLDEN VALLEY, MN BL-19910912AB 1440 kHz

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: 35504
Application ID: 164616
CDBS Antenna System ID: 67066

3 Towers
0 Augmentations

Theoretical pattern RMS: 245.70

Azimuth	E _{theo}	E _{std}	E _{aug}
0	319.55	335.91	
5	355.33	373.44	
10	386.91	406.57	
15	413.84	434.82	
20	435.80	457.87	
25	452.56	475.46	
30	463.99	487.45	
35	470.00	493.76	
40	470.55	494.33	
45	465.63	489.17	
50	455.28	478.31	
55	439.57	461.83	
60	418.64	439.86	
65	392.68	412.62	
70	362.00	380.44	
75	327.01	343.74	
80	288.27	303.11	
85	246.48	259.29	
90	202.46	213.19	
95	157.23	165.86	
100	111.87	118.55	
105	67.64	72.81	
110	26.44	32.05	
115	17.67	24.51	
120	50.58	55.47	
125	80.20	85.72	
130	104.55	110.94	
135	123.28	130.43	
140	136.51	144.23	
145	144.79	152.87	
150	149.07	157.34	
155	150.65	158.99	
160	151.11	159.47	
165	152.10	160.50	
170	155.02	163.55	
175	160.68	169.47	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	169.12	178.30	
185	179.72	189.38	
190	191.44	201.65	
195	203.18	213.93	
200	213.89	225.16	
205	222.74	234.43	
210	229.10	241.09	
215	232.55	244.70	
220	232.86	245.03	
225	230.03	242.07	
230	224.23	235.99	
235	215.83	227.19	
240	205.43	216.30	
245	193.82	204.14	
250	182.01	191.78	
255	171.10	180.36	
260	162.16	171.01	
265	155.92	164.49	
270	152.49	160.91	
275	151.21	159.58	
280	150.77	159.12	
285	149.55	157.84	
290	145.93	154.06	
295	138.54	146.35	
300	126.35	133.63	
305	108.75	115.30	
310	85.51	91.21	
315	56.89	61.84	
320	24.12	29.96	
325	19.15	25.71	
330	59.07	64.05	
335	102.89	109.21	
340	148.13	156.35	
345	193.48	203.79	
350	237.82	250.22	
355	280.13	294.58	

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.

04 Jul 2009

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Federal Communications Commission