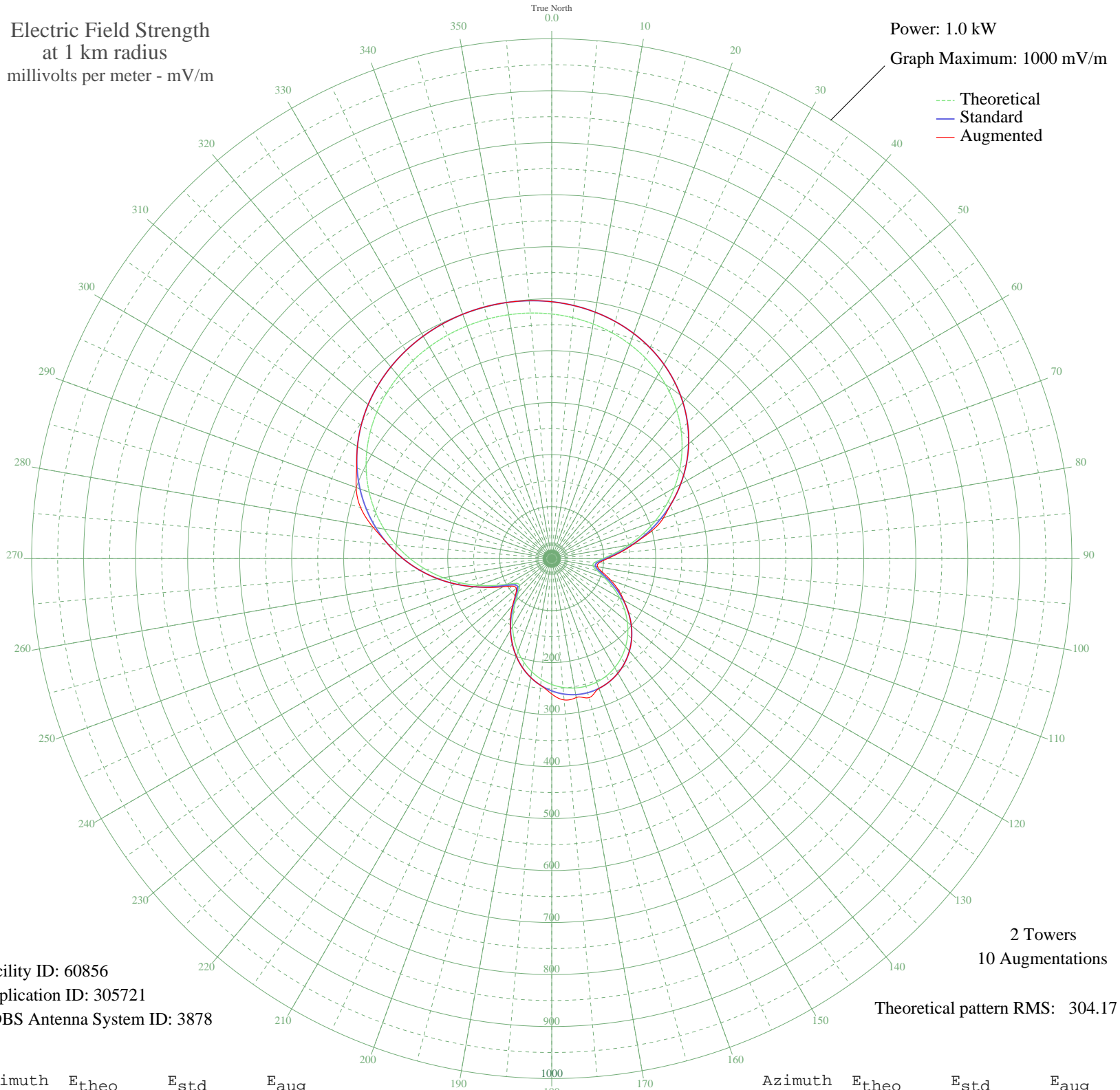


# KWAT WATERTOWN, SD BL-- 950 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 60856  
Application ID: 305721  
CDBS Antenna System ID: 3878

2 Towers  
10 Augmentations  
Theoretical pattern RMS: 304.17

Azimuth	Etheo	Estd	Eaug
0	470.51	494.15	494.15
5	465.27	488.64	488.64
10	458.32	481.35	481.35
15	449.53	472.12	472.12
20	438.76	460.82	460.82
25	425.88	447.29	447.29
30	410.76	431.43	431.43
35	393.33	413.13	413.13
40	373.54	392.36	392.36
45	351.41	369.13	369.13
50	327.02	343.53	343.53
55	300.54	315.74	315.74
60	272.22	286.03	286.03
65	242.45	254.78	254.78
70	211.69	222.52	228.41
75	180.63	189.95	195.38
80	150.22	158.08	159.66
85	121.92	128.44	131.43
90	98.19	103.63	107.09
95	83.03	87.81	91.62
100	80.60	85.28	89.19
105	90.64	95.75	101.03
110	108.34	114.25	120.46
115	129.19	136.05	140.81
120	150.53	158.41	159.94
125	171.00	179.85	179.85
130	189.81	199.57	199.57
135	206.53	217.11	217.11
140	220.90	232.19	232.19
145	232.78	244.64	244.64
150	242.07	254.39	254.39
155	248.73	261.38	261.38
160	252.73	265.58	265.58
165	254.07	266.98	276.94
170	252.73	265.58	271.29
175	248.73	261.38	272.86

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.

06 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	242.07	254.39	260.35
185	232.78	244.64	244.64
190	220.90	232.19	232.19
195	206.53	217.11	217.11
200	189.81	199.57	199.57
205	171.00	179.85	179.85
210	150.53	158.41	159.11
215	129.19	136.05	138.24
220	108.34	114.25	117.04
225	90.64	95.75	98.50
230	80.60	85.28	89.09
235	83.03	87.81	92.21
240	98.19	103.63	108.40
245	121.92	128.44	131.01
250	150.22	158.08	158.16
255	180.63	189.95	189.95
260	211.69	222.52	222.52
265	242.44	254.78	254.78
270	272.22	286.03	286.03
275	300.54	315.74	315.74
280	327.02	343.53	348.97
285	351.41	369.13	380.60
290	373.54	392.36	400.20
295	393.33	413.13	413.97
300	410.76	431.43	431.43
305	425.88	447.29	447.29
310	438.76	460.82	460.82
315	449.53	472.12	472.12
320	458.32	481.35	481.35
325	465.27	488.64	488.64
330	470.51	494.15	494.15
335	474.17	497.99	497.99
340	476.33	500.25	500.25
345	477.04	501.00	501.00
350	476.33	500.25	500.25
355	474.17	497.99	497.99