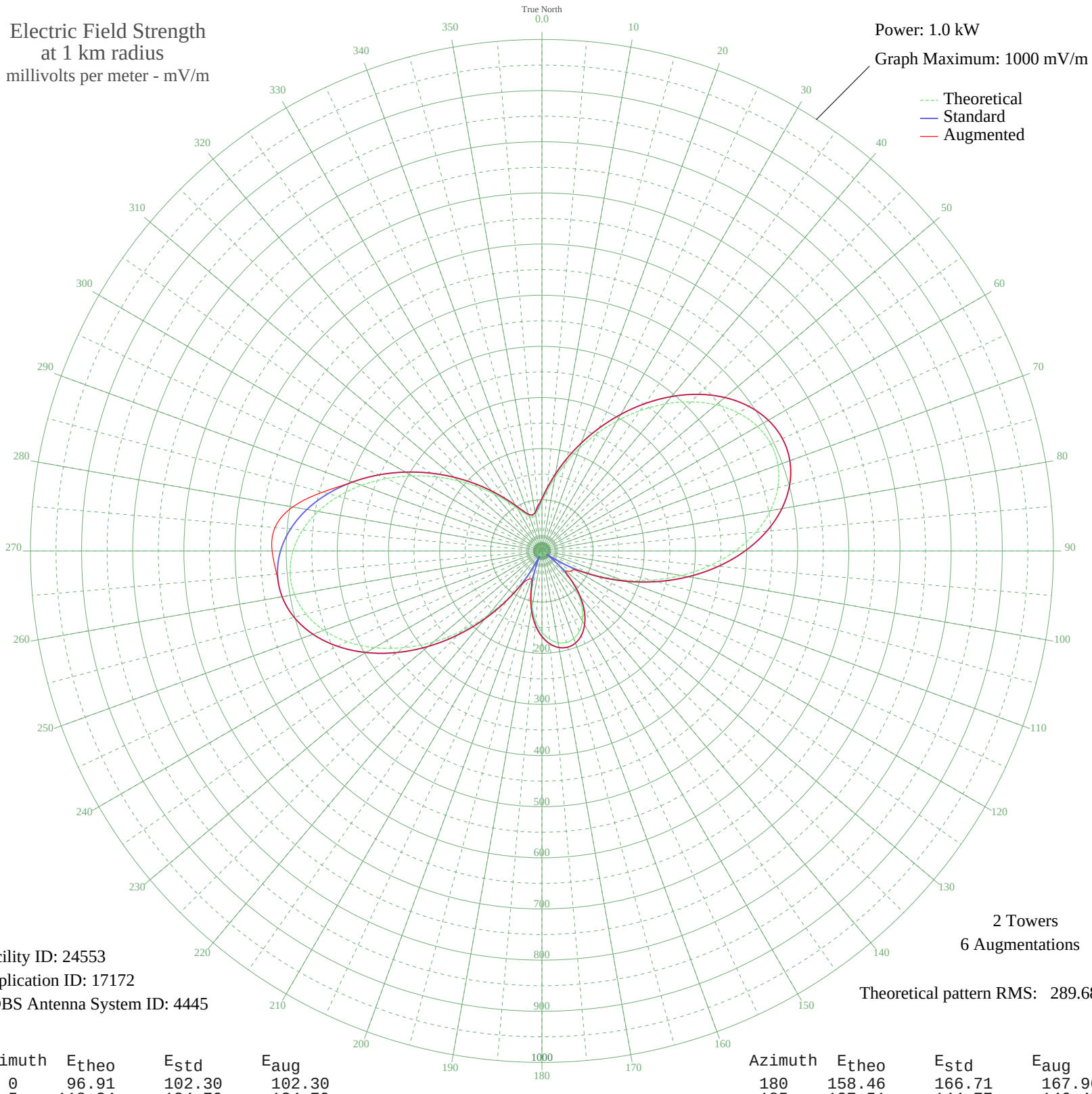
KDSJ DEADWOOD, SD BL-19800128AJ 980 kHz

Nighttime

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



Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

2 Towers
6 Augmentations

Facility ID: 24553
Application ID: 17172
CDBS Antenna System ID: 4445

Theoretical pattern RMS: 289.68

Azimuth	E_{theo}	E_{std}	E_{aug}
0	96.91	102.30	102.30
5	118.34	124.70	124.70
10	145.26	152.89	152.89
15	177.13	186.28	186.28
20	213.16	224.06	224.06
25	252.34	265.17	265.17
30	293.43	308.29	308.29
35	334.93	351.84	351.84
40	375.14	394.04	394.04
45	412.24	432.98	432.98
50	444.35	466.68	466.68
55	469.69	493.29	493.29
60	486.69	511.13	511.13
65	494.10	518.91	518.91
70	491.13	515.80	515.80
75	477.51	501.50	501.50
80	453.51	476.30	476.30
85	419.95	441.07	441.07
90	378.11	397.16	397.16
95	329.66	346.30	346.30
100	276.48	290.50	290.50
105	220.58	231.85	231.85
110	163.91	172.42	172.42
115	108.26	114.16	114.16
120	55.20	58.90	73.92
125	5.99	12.24	69.05
130	38.42	41.69	61.12
135	77.37	81.92	81.98
140	110.47	116.46	116.54
145	137.51	144.77	144.84
150	158.46	166.71	166.76
155	173.34	182.31	182.34
160	182.23	191.63	191.64
165	185.19	194.73	194.73
170	182.23	191.63	191.82
175	173.34	182.31	182.98

Azimuth	E_{theo}	E_{std}	E_{aug}
180	158.46	166.71	167.96
185	137.51	144.77	146.45
190	110.47	116.46	118.25
195	77.37	81.92	83.40
200	38.42	41.69	58.91
205	5.99	12.24	61.40
210	55.20	58.90	71.62
215	108.26	114.16	114.16
220	163.91	172.42	172.42
225	220.58	231.85	231.85
230	276.48	290.50	290.50
235	329.66	346.30	346.30
240	378.11	397.16	397.16
245	419.95	441.07	441.07
250	453.51	476.30	476.30
255	477.51	501.50	501.50
260	491.13	515.80	515.80
265	494.10	518.91	520.56
270	486.69	511.13	527.53
275	469.69	493.29	523.98
280	444.35	466.68	494.91
285	412.24	432.98	444.06
290	375.14	394.04	394.04
295	334.93	351.84	351.84
300	293.43	308.29	308.29
305	252.34	265.17	265.17
310	213.16	224.06	224.06
315	177.13	186.28	186.28
320	145.26	152.89	152.89
325	118.34	124.70	124.70
330	96.91	102.30	102.30
335	81.37	86.08	86.08
340	71.95	76.28	76.28
345	68.80	73.00	73.00
350	71.95	76.28	76.38
355	81.37	86.08	89.64

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
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