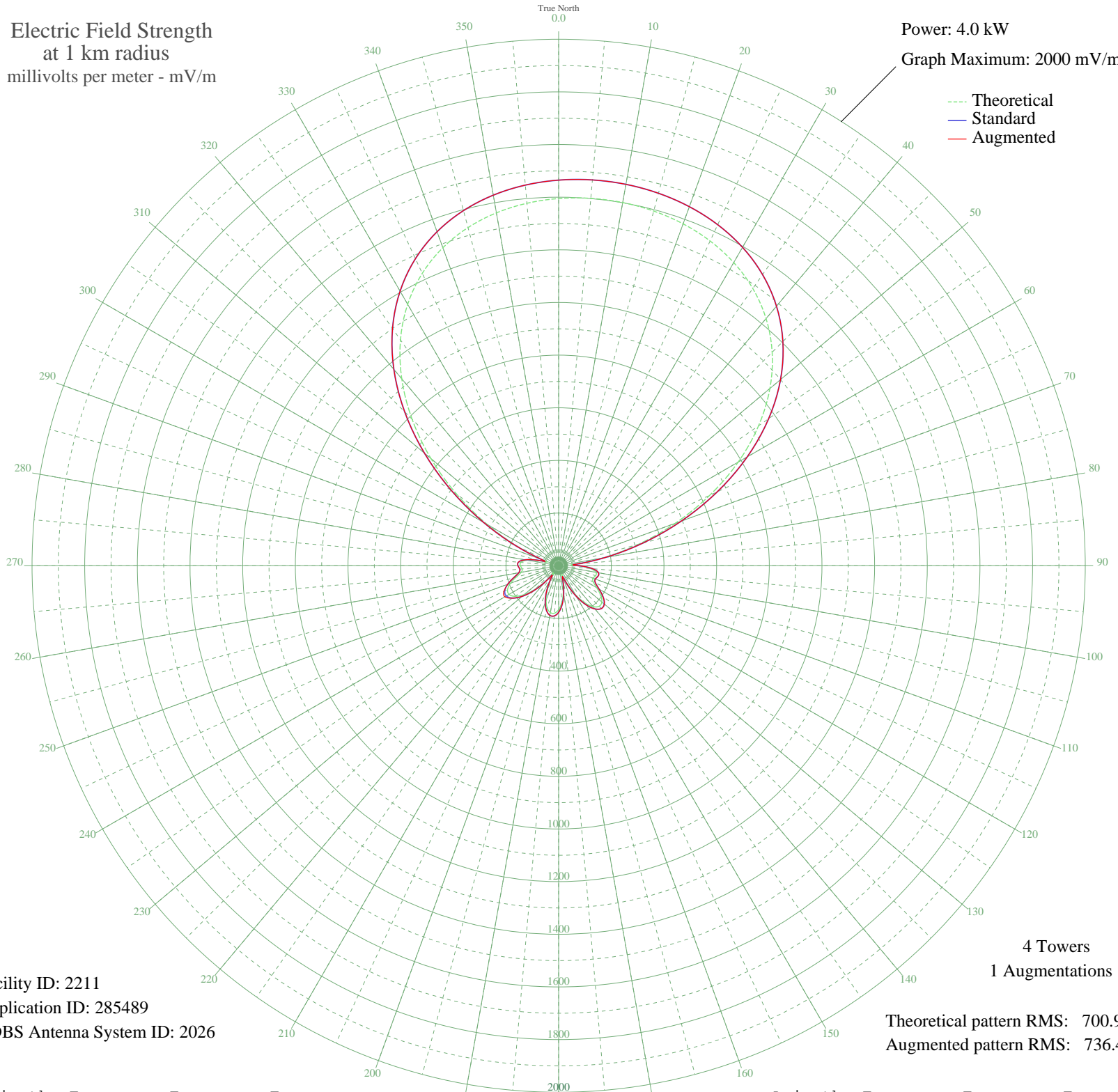


KXMR BISMARCK, ND BL-19990524DC 710 kHz

Nighttime

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

Power: 4.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 2211
Application ID: 285489
CDBS Antenna System ID: 2026

4 Towers
1 Augmentations

Theoretical pattern RMS: 700.90
Augmented pattern RMS: 736.40

Azimuth	Etheo	Estd	Eaug
0	1394.86	1464.81	1464.81
5	1400.87	1471.12	1471.12
10	1400.87	1471.12	1471.12
15	1394.86	1464.81	1464.81
20	1382.10	1451.41	1451.41
25	1361.15	1429.42	1429.42
30	1329.89	1396.60	1396.60
35	1285.66	1350.17	1350.17
40	1225.53	1287.05	1287.05
45	1146.75	1204.35	1204.35
50	1047.37	1100.01	1100.01
55	926.94	973.61	973.61
60	787.31	827.05	827.05
65	633.04	665.15	665.15
70	471.56	495.76	495.76
75	312.78	329.35	329.35
80	168.65	178.80	178.80
85	59.37	67.08	67.08
90	70.38	77.94	77.94
95	120.76	129.20	129.20
100	144.31	153.54	153.54
105	145.25	154.51	154.51
110	139.14	148.18	148.18
115	144.62	153.86	153.86
120	167.00	177.09	177.09
125	194.62	205.85	205.85
130	214.10	226.16	226.16
135	217.59	229.81	229.81
140	202.60	214.17	214.17
145	170.56	180.80	180.80
150	125.63	134.21	134.21
155	74.34	81.90	81.90
160	34.21	43.63	43.63
165	57.17	64.94	64.94
170	101.56	109.48	109.48
175	139.75	148.81	148.81

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
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	166.84	176.92	176.92
185	180.81	191.46	191.46
190	180.81	191.46	191.46
195	166.84	176.92	176.92
200	139.75	148.81	148.81
205	101.56	109.48	109.48
210	57.17	64.94	64.94
215	34.21	43.63	43.63
220	74.34	81.90	81.90
225	125.63	134.21	134.21
230	170.56	180.80	180.80
235	202.60	214.17	214.84
240	217.59	229.81	235.98
245	214.10	226.16	229.11
250	194.62	205.85	205.85
255	167.00	177.09	177.09
260	144.62	153.86	153.86
265	139.14	148.18	148.18
270	145.25	154.51	154.51
275	144.31	153.54	153.54
280	120.76	129.20	129.20
285	70.38	77.94	77.94
290	59.37	67.08	67.08
295	168.65	178.80	178.80
300	312.78	329.35	329.35
305	471.56	495.76	495.76
310	633.04	665.16	665.16
315	787.31	827.05	827.05
320	926.95	973.61	973.61
325	1047.37	1100.01	1100.01
330	1146.75	1204.35	1204.35
335	1225.53	1287.05	1287.05
340	1285.66	1350.17	1350.17
345	1329.89	1396.60	1396.60
350	1361.15	1429.42	1429.42
355	1382.10	1451.41	1451.41