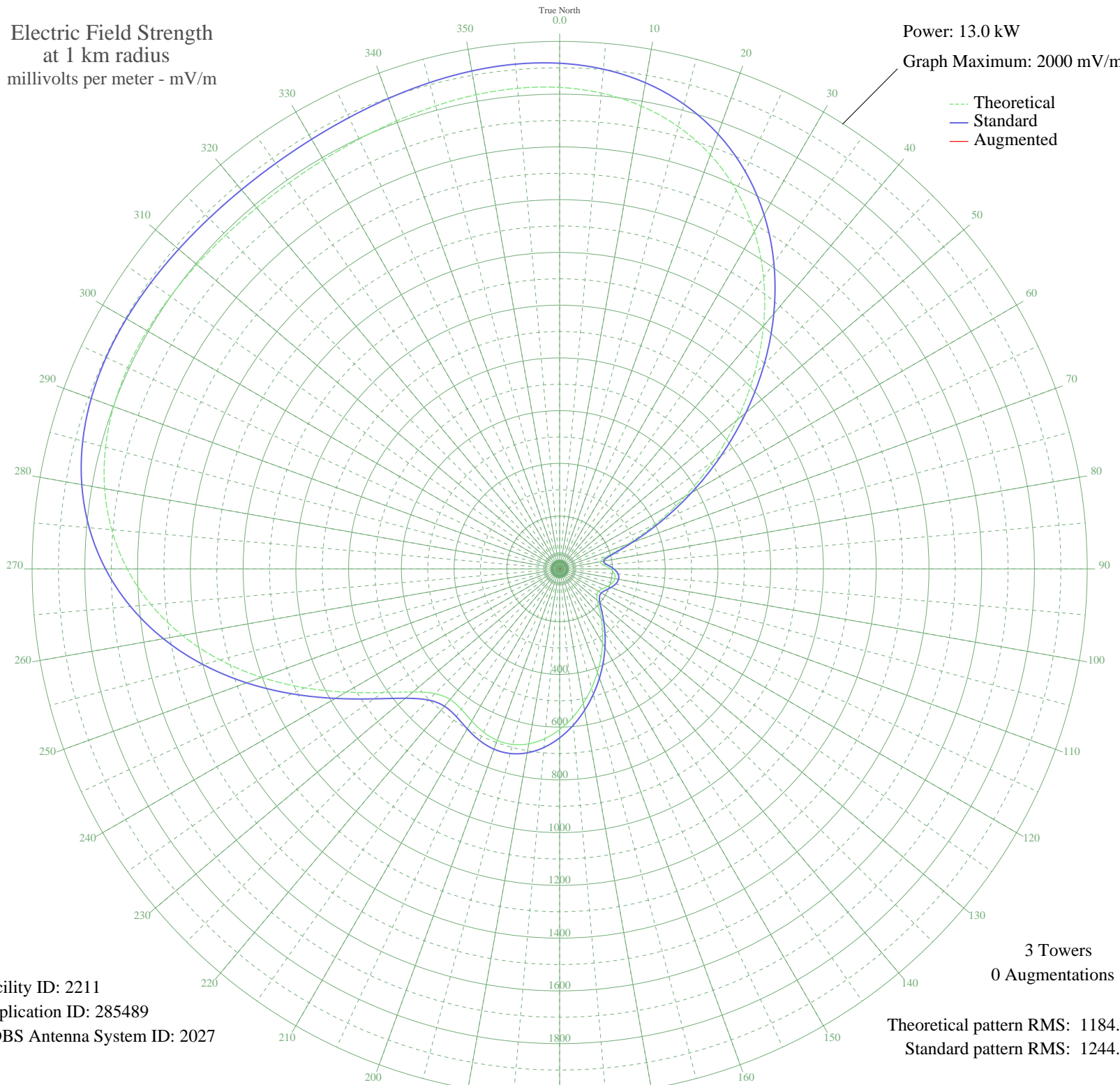


KXMR BISMARCK, ND BL-19990524DC 710 kHz

Critical Hours

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

Power: 13.0 kW
Graph Maximum: 2000 mV/m



Facility ID: 2211
Application ID: 285489
CDBS Antenna System ID: 2027

3 Towers
0 Augmentations

Theoretical pattern RMS: 1184.21
Standard pattern RMS: 1244.00

Azimuth	E _{theo}	E _{std}	E _{aug}
0	1825.53	1917.18	
5	1810.97	1901.90	
10	1782.24	1871.73	
15	1736.30	1823.51	
20	1670.74	1754.69	
25	1584.10	1663.74	
30	1476.13	1550.40	
35	1348.01	1415.91	
40	1202.46	1263.15	
45	1043.70	1096.54	
50	877.24	921.88	
55	709.59	746.03	
60	548.01	576.66	
65	400.46	422.19	
70	276.46	292.74	
75	189.80	202.85	
80	156.80	168.94	
85	168.68	181.11	
90	192.29	205.43	
95	208.65	222.33	
100	212.99	226.83	
105	206.60	220.21	
110	193.44	206.61	
115	179.12	191.85	
120	170.07	182.54	
125	171.77	184.29	
130	186.25	199.19	
135	211.64	225.43	
140	244.77	259.78	
145	283.12	299.67	
150	325.27	343.63	
155	370.48	390.85	
160	418.17	440.71	
165	467.51	492.34	
170	517.14	544.32	
175	565.15	594.62	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	609.07	640.64	
185	646.11	679.47	
190	673.53	708.22	
195	689.12	724.57	
200	691.87	727.45	
205	682.81	717.95	
210	666.07	700.40	
215	649.82	683.36	
220	646.24	679.61	
225	668.70	703.16	
230	725.87	763.11	
235	817.24	858.94	
240	934.56	982.01	
245	1066.54	1120.51	
250	1202.38	1263.07	
255	1333.17	1400.34	
260	1452.22	1525.30	
265	1555.12	1633.31	
270	1639.47	1721.86	
275	1704.69	1790.32	
280	1751.65	1839.63	
285	1782.36	1871.86	
290	1799.55	1889.91	
295	1806.34	1897.03	
300	1805.92	1896.60	
305	1801.35	1891.79	
310	1795.28	1885.43	
315	1789.92	1879.80	
320	1786.87	1876.60	
325	1787.11	1876.84	
330	1790.93	1880.86	
335	1798.00	1888.28	
340	1807.30	1898.04	
345	1817.18	1908.41	
350	1825.40	1917.04	
355	1829.23	1921.06	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission