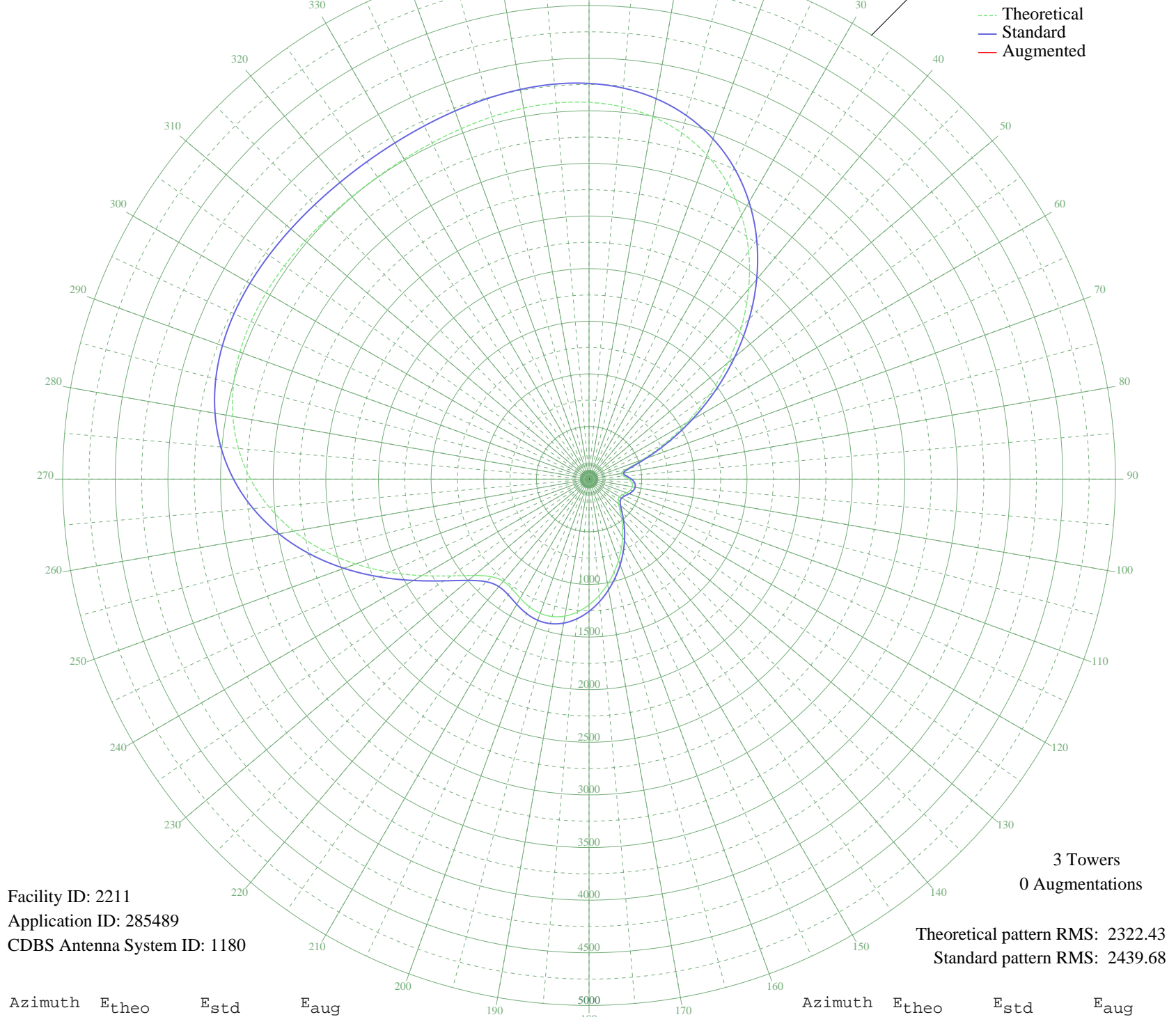


# KXMR BISMARCK, ND BL-19990524DC 710 kHz

Daytime

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

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



Facility ID: 2211  
Application ID: 285489  
CDBS Antenna System ID: 1180

3 Towers  
0 Augmentations

Theoretical pattern RMS: 2322.43  
Standard pattern RMS: 2439.68

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	3580.15	3759.89	
5	3551.60	3729.92	
10	3495.25	3670.76	
15	3405.15	3576.18	
20	3276.59	3441.22	
25	3106.67	3262.85	
30	2894.92	3040.57	
35	2643.65	2776.82	
40	2358.21	2477.23	
45	2046.86	2150.48	
50	1720.40	1807.94	
55	1391.62	1463.08	
60	1074.74	1130.92	
65	785.37	827.97	
70	542.17	574.11	
75	372.22	397.82	
80	307.52	331.32	
85	330.80	355.19	
90	377.12	402.87	
95	409.19	436.02	
100	417.71	444.84	
105	405.17	431.86	
110	379.37	405.20	
115	351.29	376.25	
120	333.53	357.99	
125	336.88	361.43	
130	365.26	390.64	
135	415.07	442.10	
140	480.03	509.47	
145	555.24	587.71	
150	637.91	673.90	
155	726.58	766.51	
160	820.10	864.30	
165	916.85	965.56	
170	1014.20	1067.50	
175	1108.35	1166.14	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1194.47	1256.39	
185	1267.12	1332.55	
190	1320.90	1388.93	
195	1351.48	1420.99	
200	1356.87	1426.64	
205	1339.10	1408.01	
210	1306.27	1373.59	
215	1274.40	1340.18	
220	1267.38	1332.82	
225	1311.43	1379.00	
230	1423.55	1496.57	
235	1602.74	1684.51	
240	1832.81	1925.88	
245	2091.65	2197.49	
250	2358.06	2477.08	
255	2614.55	2746.28	
260	2848.04	2991.36	
265	3049.83	3203.18	
270	3215.26	3376.84	
275	3343.16	3511.10	
280	3435.26	3607.79	
285	3495.49	3671.02	
290	3529.20	3706.40	
295	3542.51	3720.37	
300	3541.70	3719.52	
305	3532.72	3710.10	
310	3520.83	3697.62	
315	3510.32	3686.58	
320	3504.34	3680.30	
325	3504.79	3680.78	
330	3512.30	3688.66	
335	3526.16	3703.22	
340	3544.40	3722.36	
345	3563.77	3742.69	
350	3579.89	3759.62	
355	3587.40	3767.50	

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