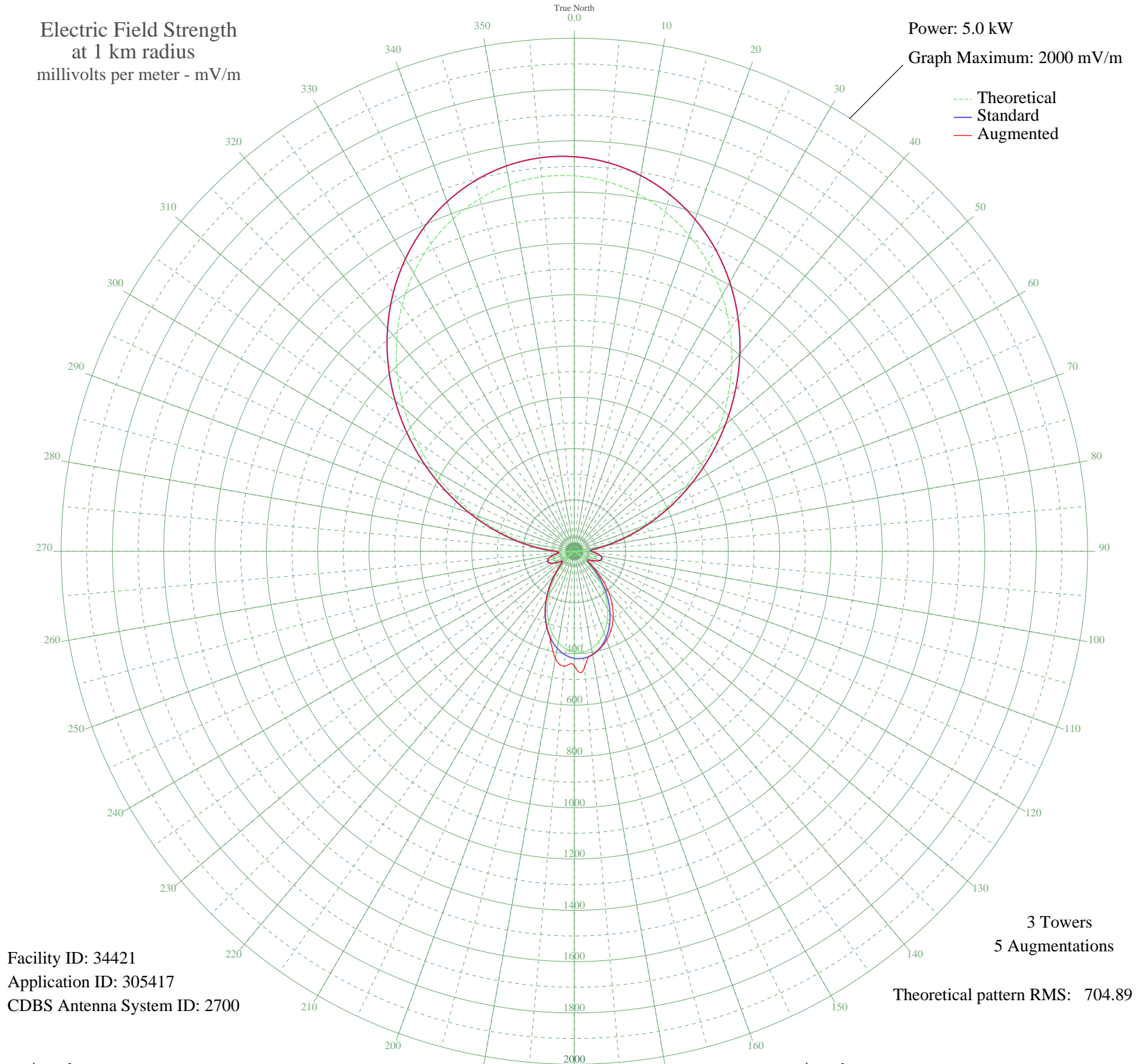


# KFGO FARGO, ND BL-- 790 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 34421  
Application ID: 305417  
CDBS Antenna System ID: 2700

3 Towers  
5 Augmentations

Theoretical pattern RMS: 704.89

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1463.56	1537.93	1537.93
5	1446.94	1520.49	1520.49
10	1415.43	1487.43	1487.43
15	1369.44	1439.18	1439.18
20	1309.60	1376.41	1376.41
25	1236.80	1300.05	1300.05
30	1152.21	1211.33	1211.33
35	1057.27	1111.78	1111.78
40	953.75	1003.25	1003.25
45	843.69	887.94	887.94
50	729.46	768.31	768.31
55	613.61	647.12	647.12
60	498.87	527.29	527.29
65	388.05	411.91	411.91
70	283.91	304.17	304.17
75	189.03	207.48	207.48
80	105.72	126.39	126.39
85	35.90	71.22	72.40
90	19.03	63.65	66.12
95	58.24	85.97	85.97
100	81.49	104.76	104.76
105	89.18	111.44	111.44
110	82.25	105.41	105.41
115	62.21	88.99	88.99
120	30.95	68.61	68.95
125	9.29	61.21	65.26
130	56.07	84.37	97.06
135	106.86	127.44	151.66
140	159.14	177.69	207.39
145	210.50	229.13	258.34
150	258.72	278.30	302.25
155	301.83	322.63	338.65
160	338.15	360.16	368.10
165	366.32	389.35	391.44
170	385.31	409.06	409.06
175	394.45	418.56	455.62

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	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	393.43	417.50	447.13
185	382.28	405.92	449.62
190	361.39	384.24	424.80
195	331.50	353.28	358.83
200	293.70	314.25	314.25
205	249.43	268.78	268.78
210	200.41	218.93	218.93
215	148.68	167.40	167.40
220	96.50	117.98	117.98
225	46.31	77.57	77.57
230	0.64	60.43	60.43
235	37.99	72.41	72.41
240	67.18	92.89	92.89
245	84.74	107.56	107.56
250	88.85	111.15	111.15
255	78.11	101.88	101.88
260	51.68	81.22	81.22
265	9.29	61.21	61.21
270	48.71	79.17	79.17
275	121.36	141.03	141.03
280	207.15	225.74	225.74
285	304.08	324.95	324.95
290	409.77	434.48	434.48
295	521.60	551.00	551.00
300	636.78	671.34	671.34
305	752.52	792.45	792.45
310	866.12	911.43	911.43
315	975.04	1025.58	1025.58
320	1077.01	1132.47	1132.47
325	1170.01	1229.99	1229.99
330	1252.35	1316.35	1316.35
335	1322.63	1390.08	1390.08
340	1379.77	1450.01	1450.01
345	1422.91	1495.27	1495.27
350	1451.47	1525.24	1525.24
355	1465.08	1539.52	1539.52