

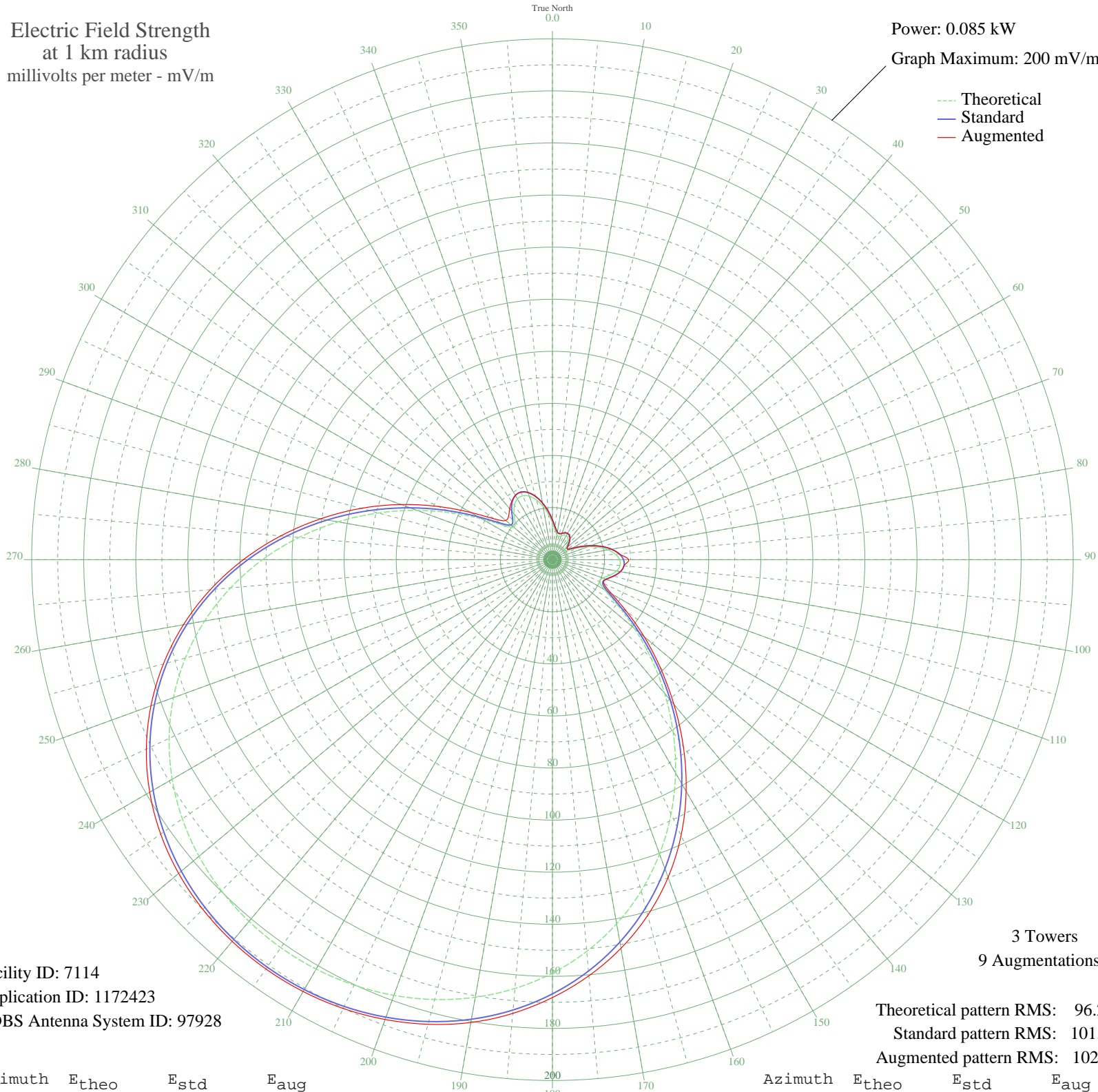
**KHOJ ST. CHARLES, MO BL-20070206ABT 1460 kHz**

**Nighttime**

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

Power: 0.085 kW  
Graph Maximum: 200 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 7114  
Application ID: 1172423  
CDBS Antenna System ID: 97928

3 Towers  
9 Augmentations

Theoretical pattern RMS: 96.26  
Standard pattern RMS: 101.62  
Augmented pattern RMS: 102.52

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	14.17	15.27	15.27
5	11.41	12.47	12.47
10	9.70	10.75	10.75
15	9.26	10.31	10.31
20	9.70	10.75	10.75
25	10.32	11.36	11.36
30	10.61	11.66	11.66
35	10.32	11.37	11.37
40	9.38	10.43	10.43
45	7.90	8.98	8.98
50	6.35	7.50	7.50
55	5.87	7.06	7.06
60	7.56	8.65	8.65
65	10.78	11.83	11.83
70	14.57	15.68	15.68
75	18.35	19.57	19.57
80	21.69	23.03	23.03
85	24.27	25.71	25.71
90	25.78	27.29	29.27
95	26.04	27.56	27.56
100	25.01	26.48	26.48
105	22.92	24.31	24.31
110	20.62	21.93	21.93
115	19.96	21.24	21.80
120	23.19	24.59	26.28
125	30.68	32.40	34.83
130	41.22	43.41	45.93
135	53.60	56.38	58.55
140	67.00	70.44	72.62
145	80.81	84.92	87.68
150	94.54	99.33	102.69
155	107.79	113.24	116.90
160	120.26	126.32	129.85
165	131.70	138.33	141.39
170	141.97	149.11	151.54
175	151.00	158.59	160.41

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	158.76	166.74	168.15
185	165.28	173.58	174.89
190	170.62	179.18	180.45
195	174.84	183.62	184.69
200	178.03	186.96	187.90
205	180.24	189.28	190.16
210	181.52	190.62	191.49
215	181.88	191.00	191.87
220	181.31	190.40	191.34
225	179.77	188.79	189.90
230	177.20	186.09	187.40
235	173.52	182.23	183.69
240	168.62	177.09	178.60
245	162.44	170.59	172.08
250	154.89	162.67	164.10
255	145.96	153.29	154.68
260	135.65	142.47	143.91
265	124.06	130.30	131.87
270	111.34	116.95	118.70
275	97.73	102.68	104.73
280	83.58	87.82	90.39
285	69.27	72.82	76.12
290	55.32	58.19	61.90
295	42.35	44.60	48.25
300	31.19	32.93	36.23
305	23.08	24.47	27.32
310	19.49	20.76	23.42
315	20.27	21.56	23.78
320	22.95	24.34	25.52
325	25.47	26.96	27.28
330	26.92	28.47	28.47
335	27.05	28.61	28.61
340	25.92	27.43	27.43
345	23.74	25.16	25.16
350	20.80	22.10	22.10
355	17.47	18.66	18.66