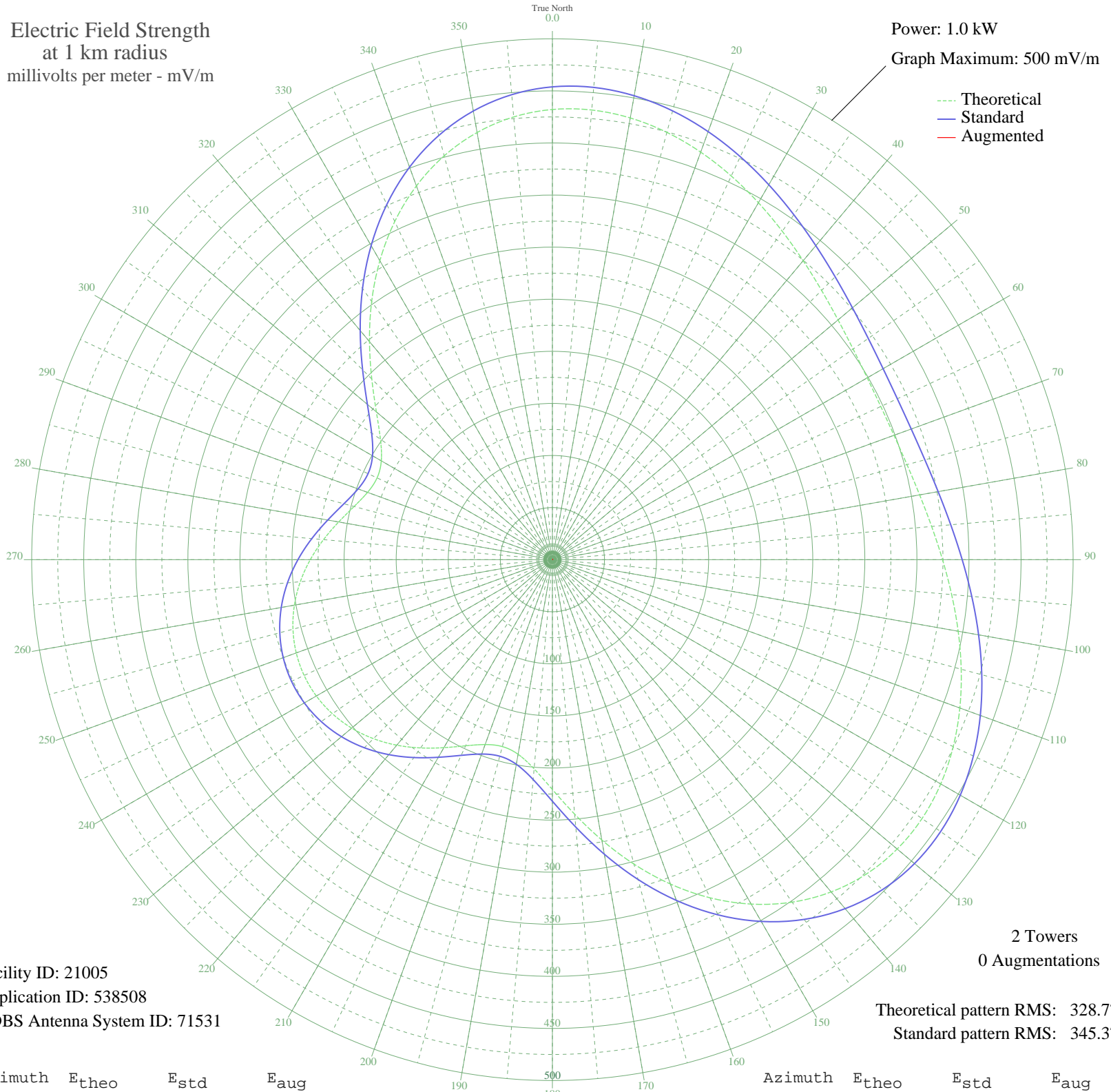


# KFRN LONG BEACH, CA BML-20000519AED 1280 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 21005  
Application ID: 538508  
CDBS Antenna System ID: 71531

2 Towers  
0 Augmentations

Theoretical pattern RMS: 328.77  
Standard pattern RMS: 345.37

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	432.16	453.89	
5	433.30	455.08	
10	430.57	452.22	
15	424.66	446.02	
20	416.33	437.27	
25	406.39	426.84	
30	395.65	415.56	
35	384.83	404.21	
40	374.62	393.49	
45	365.54	383.96	
50	358.06	376.11	
55	352.49	370.27	
60	349.07	366.67	
65	347.91	365.46	
70	349.07	366.67	
75	352.49	370.27	
80	358.06	376.11	
85	365.54	383.96	
90	374.62	393.49	
95	384.83	404.21	
100	395.65	415.56	
105	406.39	426.84	
110	416.33	437.27	
115	424.66	446.02	
120	430.57	452.22	
125	433.30	455.08	
130	432.16	453.89	
135	426.62	448.08	
140	416.38	437.33	
145	401.36	421.56	
150	381.78	401.01	
155	358.17	376.22	
160	331.37	348.09	
165	302.56	317.86	
170	273.25	287.10	
175	245.25	257.72	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	220.63	231.90	
185	201.55	211.88	
190	189.70	199.46	
195	185.74	195.31	
200	188.87	198.59	
205	197.15	207.28	
210	208.38	219.05	
215	220.63	231.90	
220	232.48	244.33	
225	242.99	255.36	
230	251.58	264.37	
235	257.89	270.99	
240	261.74	275.03	
245	263.03	276.39	
250	261.74	275.03	
255	257.89	270.99	
260	251.58	264.37	
265	242.99	255.36	
270	232.48	244.33	
275	220.63	231.90	
280	208.38	219.05	
285	197.15	207.28	
290	188.87	198.59	
295	185.74	195.31	
300	189.70	199.46	
305	201.55	211.88	
310	220.64	231.90	
315	245.25	257.72	
320	273.25	287.10	
325	302.56	317.86	
330	331.37	348.09	
335	358.17	376.22	
340	381.78	401.01	
345	401.36	421.56	
350	416.38	437.33	
355	426.62	448.08	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission