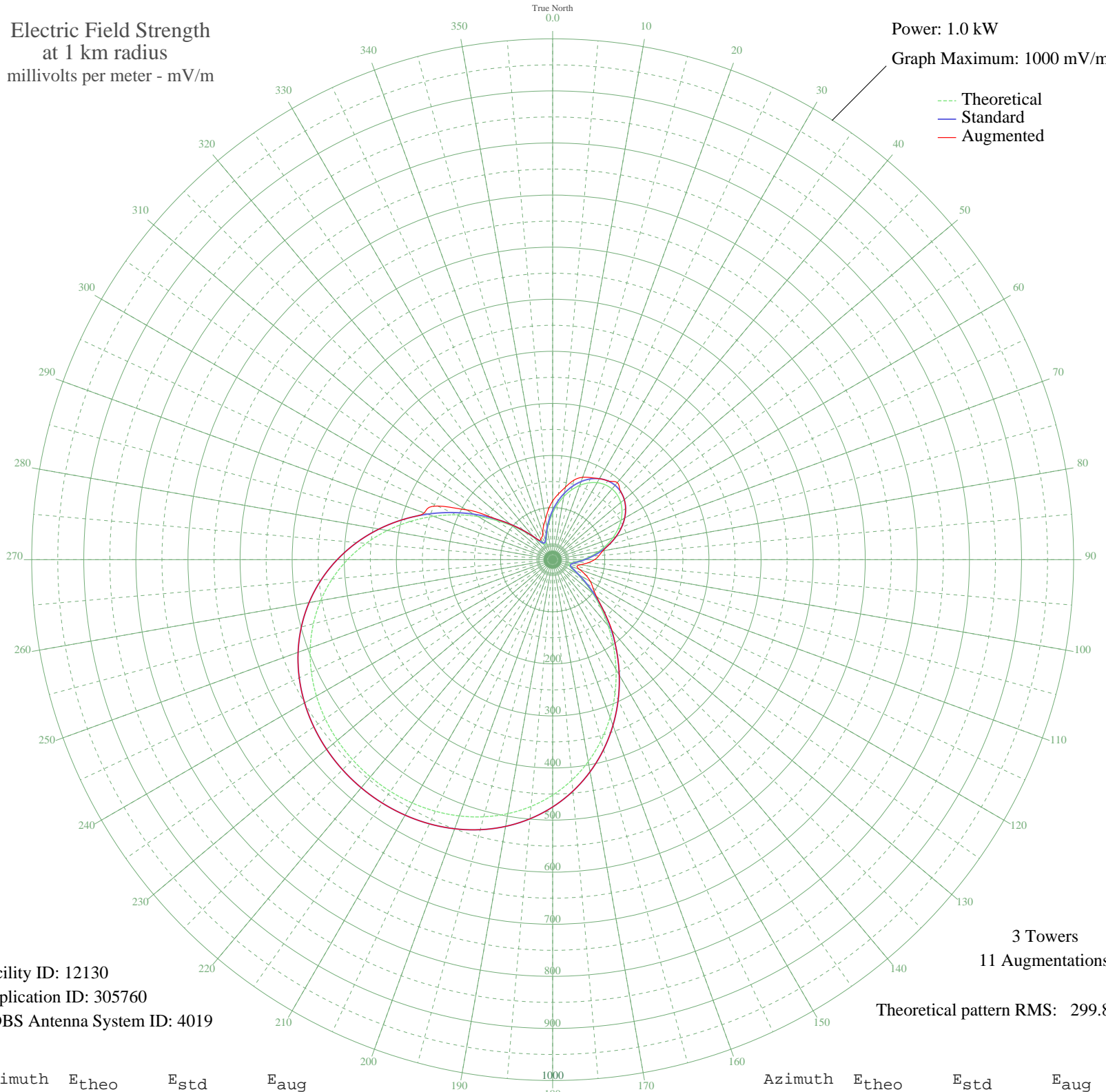


# KNWZ COACHELLA, CA BL-- 970 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 12130  
Application ID: 305760  
CDBS Antenna System ID: 4019

3 Towers  
11 Augmentations  
Theoretical pattern RMS: 299.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	89.42	94.48	112.65
5	106.42	112.24	126.55
10	122.98	129.55	141.44
15	138.27	145.56	158.13
20	151.64	159.57	168.30
25	162.55	171.00	173.77
30	170.62	179.45	179.45
35	175.56	184.64	184.64
40	177.22	186.38	193.12
45	175.56	184.64	184.64
50	170.62	179.45	179.45
55	162.55	171.00	171.00
60	151.64	159.57	159.57
65	138.27	145.56	145.56
70	122.98	129.55	129.55
75	106.42	112.24	112.24
80	89.42	94.48	97.95
85	72.89	77.25	89.29
90	57.87	61.67	80.47
95	45.43	48.84	68.23
100	36.63	39.87	55.25
105	32.45	35.65	48.28
110	33.71	36.92	55.29
115	40.98	44.29	70.18
120	54.56	58.24	83.61
125	74.39	78.81	94.39
130	100.07	105.60	109.77
135	130.88	137.83	137.83
140	165.83	174.44	177.03
145	203.72	214.17	214.17
150	243.27	255.65	255.65
155	283.18	297.52	297.52
160	322.23	338.50	338.50
165	359.36	377.48	377.48
170	393.75	413.57	413.57
175	424.78	446.15	446.15

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	452.10	474.82	474.82
185	475.54	499.43	499.43
190	495.14	520.01	520.01
195	511.07	536.73	536.73
200	523.57	549.84	549.84
205	532.91	559.65	559.65
210	539.36	566.42	566.42
215	543.14	570.39	570.39
220	544.38	571.70	571.70
225	543.14	570.39	570.39
230	539.36	566.42	566.42
235	532.91	559.65	559.65
240	523.57	549.84	549.84
245	511.07	536.73	536.73
250	495.14	520.01	520.01
255	475.54	499.43	499.43
260	452.10	474.82	474.82
265	424.78	446.15	446.15
270	393.75	413.57	413.57
275	359.36	377.48	377.48
280	322.22	338.50	338.50
285	283.18	297.52	297.52
290	243.27	255.65	262.42
295	203.72	214.17	243.65
300	165.83	174.44	191.40
305	130.88	137.83	139.33
310	100.07	105.60	105.60
315	74.39	78.81	78.81
320	54.56	58.24	58.24
325	40.98	44.29	45.42
330	33.71	36.92	45.35
335	32.45	35.65	48.28
340	36.63	39.87	55.28
345	45.43	48.84	67.16
350	57.87	61.67	78.65
355	72.89	77.26	95.94