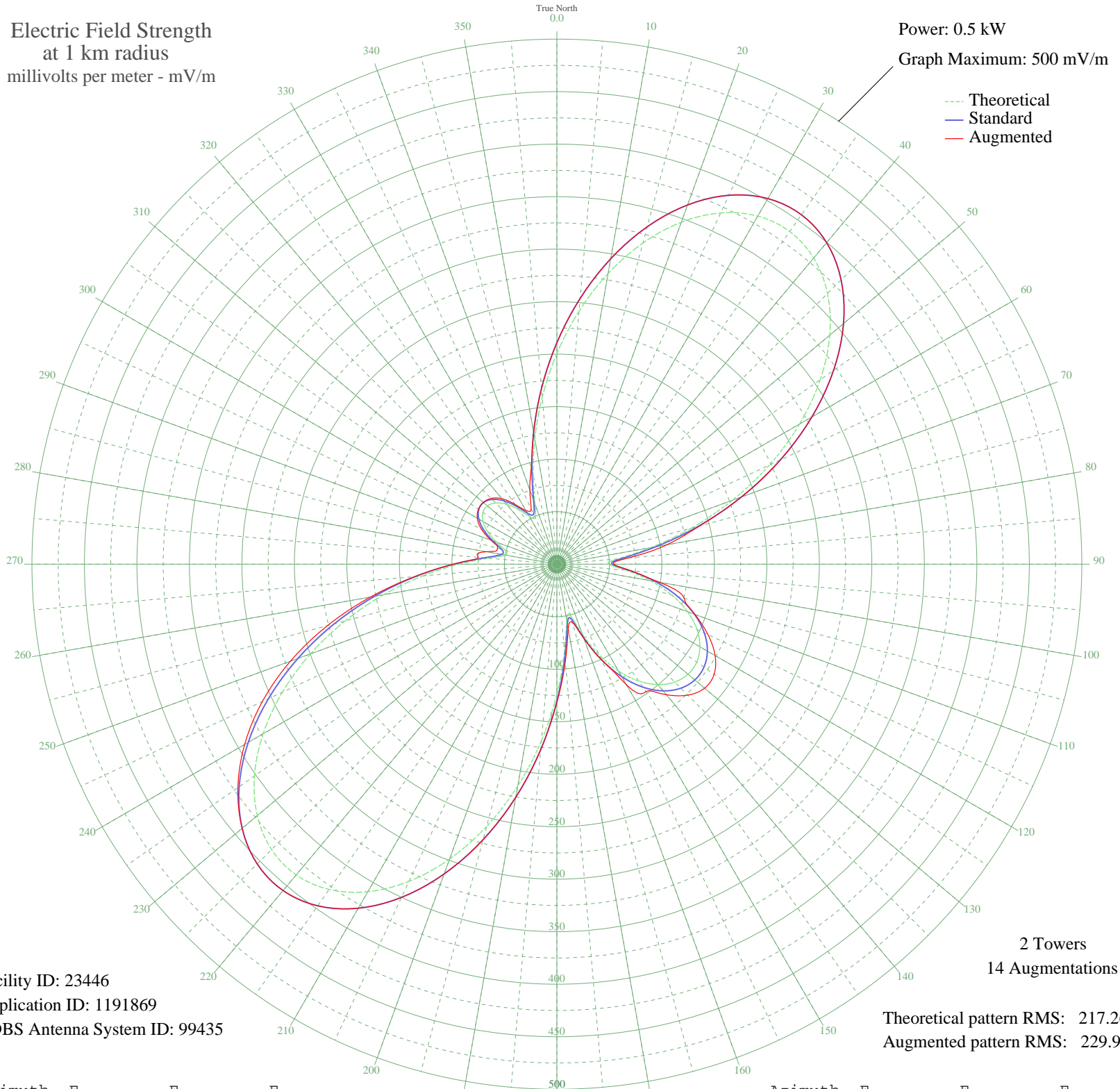


**KTAN SIERRA VISTA, AZ BML-20070614AFD 1420 kHz**

**Nighttime**

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 23446  
Application ID: 1191869  
CDBS Antenna System ID: 99435

Theoretical pattern RMS: 217.26  
Augmented pattern RMS: 229.99

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	200.57	210.86	210.86
5	241.71	254.01	254.01
10	281.06	295.30	295.30
15	316.64	332.64	332.64
20	346.53	364.01	364.01
25	369.02	387.62	387.62
30	382.72	401.99	401.99
35	386.70	406.17	406.17
40	380.56	399.73	399.73
45	364.51	382.88	382.88
50	339.30	356.42	356.42
55	306.22	321.71	321.71
60	266.95	280.49	280.49
65	223.44	234.85	234.85
70	177.87	187.06	187.06
75	132.63	139.66	140.93
80	90.79	95.91	106.46
85	58.39	62.20	68.50
90	49.23	52.75	54.12
95	65.91	69.99	69.99
100	90.20	95.29	99.39
105	113.22	119.35	125.52
110	132.50	139.52	139.91
115	147.28	155.00	158.85
120	157.32	165.52	174.05
125	162.58	171.03	182.85
130	163.05	171.53	183.68
135	158.75	167.02	176.39
140	149.67	157.50	162.28
145	135.83	143.01	148.06
150	117.42	123.73	132.81
155	95.03	100.33	100.33
160	70.61	74.88	74.88
165	51.07	54.64	57.52
170	54.14	57.81	62.44
175	83.25	88.04	92.85

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

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	123.87	130.48	131.63
185	168.72	177.46	177.46
190	214.42	225.39	225.39
195	258.52	271.65	271.65
200	298.80	313.92	313.92
205	333.27	350.09	350.09
210	360.17	378.32	378.32
215	378.13	397.17	397.17
220	386.28	405.73	405.73
225	384.31	403.67	403.67
230	372.50	391.27	391.40
235	351.67	369.41	370.93
240	323.13	339.45	343.42
245	288.54	303.15	309.54
250	249.78	262.48	270.07
255	208.85	219.54	226.29
260	167.72	176.42	180.43
265	128.43	135.26	136.09
270	93.20	98.42	98.42
275	65.25	69.31	75.01
280	49.96	53.50	68.22
285	50.84	54.41	58.57
290	61.07	64.98	66.88
295	72.39	76.73	79.43
300	81.13	85.83	87.57
305	85.94	90.85	91.17
310	86.39	91.31	91.45
315	82.43	87.18	88.57
320	74.41	78.83	81.38
325	63.42	67.41	69.55
330	52.47	56.09	59.06
335	48.91	52.42	57.95
340	60.97	64.88	75.32
345	86.89	91.84	94.57
350	120.97	127.46	127.46
355	159.65	167.96	167.96