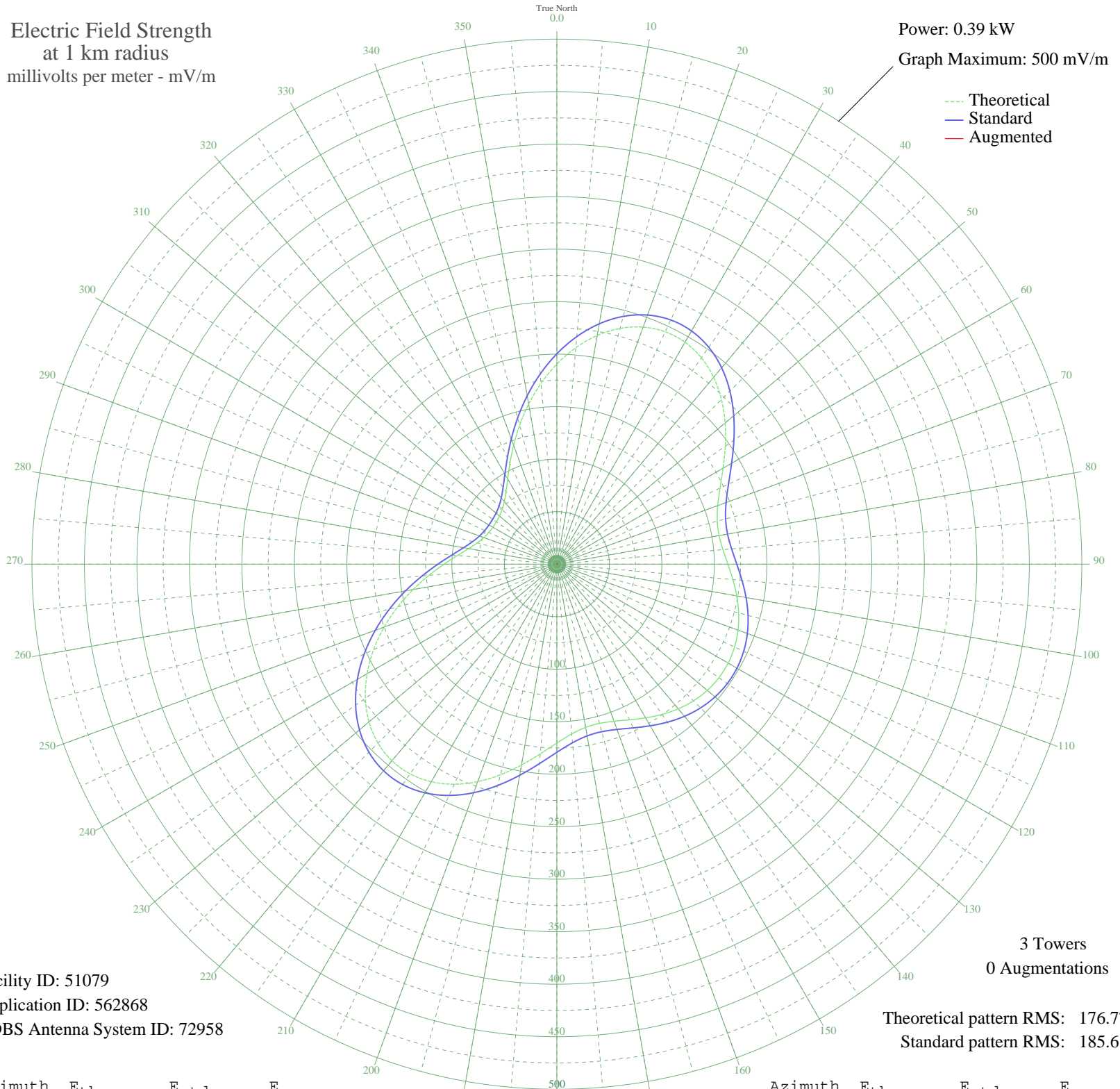


# KSAZ MARANA, AZ BL-20010418ABK 580 kHz

Nighttime

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

Power: 0.39 kW  
Graph Maximum: 500 mV/m



Facility ID: 51079  
Application ID: 562868  
CDBS Antenna System ID: 72958

Theoretical pattern RMS: 176.77  
Standard pattern RMS: 185.61

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	190.56	200.36	
5	206.91	217.51	
10	221.12	232.41	
15	232.43	244.27	
20	240.25	252.48	
25	244.18	256.60	
30	244.05	256.47	
35	239.97	252.19	
40	232.32	244.16	
45	221.75	233.08	
50	209.19	219.91	
55	195.78	205.83	
60	182.78	192.21	
65	171.50	180.38	
70	163.06	171.54	
75	158.17	166.41	
80	156.91	165.09	
85	158.79	167.06	
90	162.92	171.39	
95	168.28	177.00	
100	173.96	182.96	
105	179.24	188.49	
110	183.60	193.07	
115	186.71	196.33	
120	188.36	198.06	
125	188.46	198.16	
130	186.99	196.62	
135	184.05	193.54	
140	179.82	189.10	
145	174.62	183.66	
150	168.96	177.72	
155	163.52	172.01	
160	159.19	167.48	
165	156.99	165.17	
170	157.83	166.05	
175	162.28	170.72	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	170.32	179.14	
185	181.31	190.67	
190	194.17	204.15	
195	207.61	218.24	
200	220.33	231.59	
205	231.19	242.98	
210	239.23	251.41	
215	243.77	256.17	
220	244.38	256.81	
225	240.93	253.19	
230	233.56	245.46	
235	222.64	234.01	
240	208.75	219.44	
245	192.61	202.51	
250	175.03	184.09	
255	156.90	165.08	
260	139.07	146.40	
265	122.36	128.90	
270	107.50	113.36	
275	95.06	100.36	
280	85.38	90.27	
285	78.48	83.07	
290	74.04	78.45	
295	71.53	75.84	
300	70.41	74.68	
305	70.35	74.61	
310	71.33	75.63	
315	73.65	78.04	
320	77.83	82.39	
325	84.41	89.25	
330	93.75	99.00	
335	105.87	111.66	
340	120.46	126.92	
345	136.99	144.22	
350	154.73	162.80	
355	172.87	181.82	

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