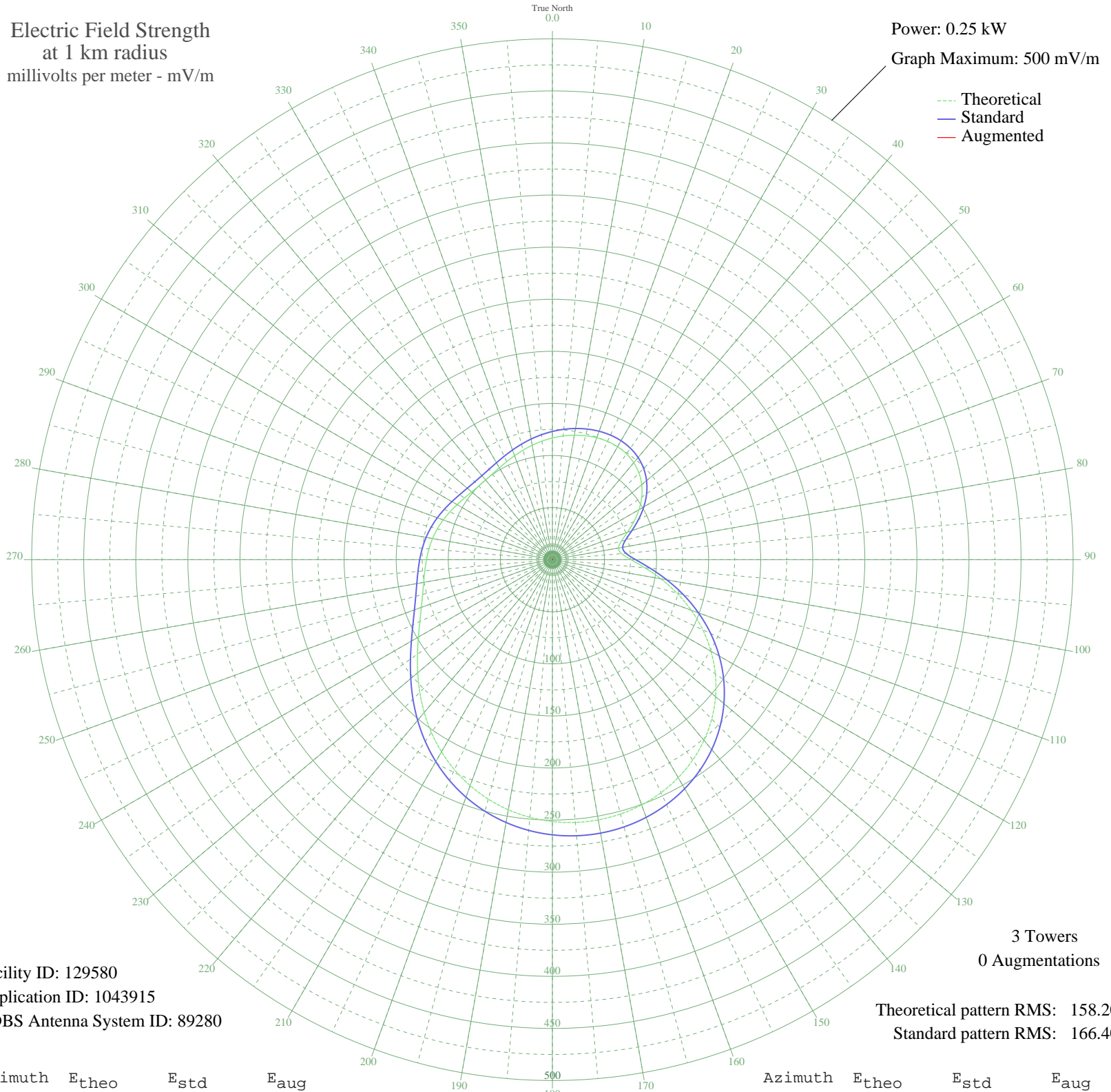


NONE CASA GRANDE, AZ BNP-20001023ADB 650 kHz

Nighttime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



Facility ID: 129580  
Application ID: 1043915  
CDBS Antenna System ID: 89280

3 Towers  
0 Augmentations

Theoretical pattern RMS: 158.20  
Standard pattern RMS: 166.40

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	116.79	123.07	
5	119.19	125.59	
10	121.35	127.85	
15	123.17	129.75	
20	124.53	131.17	
25	125.25	131.93	
30	125.14	131.82	
35	123.97	130.59	
40	121.51	128.01	
45	117.54	123.86	
50	111.94	118.01	
55	104.70	110.43	
60	95.99	101.33	
65	86.30	91.22	
70	76.59	81.10	
75	68.52	72.71	
80	64.48	68.51	
85	66.67	70.78	
90	75.42	79.88	
95	89.13	94.17	
100	105.74	111.53	
105	123.67	130.27	
110	141.79	149.25	
115	159.36	167.66	
120	175.87	184.96	
125	190.99	200.82	
130	204.52	215.00	
135	216.35	227.41	
140	226.46	238.01	
145	234.86	246.83	
150	241.62	253.92	
155	246.81	259.36	
160	250.50	263.24	
165	252.77	265.61	
170	253.65	266.54	
175	253.19	266.05	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	251.39	264.17	
185	248.25	260.88	
190	243.78	256.18	
195	237.97	250.09	
200	230.84	242.61	
205	222.47	233.83	
210	212.97	223.87	
215	202.54	212.93	
220	191.45	201.29	
225	180.05	189.35	
230	168.79	177.54	
235	158.14	166.37	
240	148.55	156.33	
245	140.40	147.79	
250	133.89	140.98	
255	129.01	135.87	
260	125.51	132.20	
265	122.97	129.55	
270	120.94	127.42	
275	118.99	125.38	
280	116.84	123.13	
285	114.35	120.52	
290	111.53	117.58	
295	108.55	114.46	
300	105.64	111.42	
305	103.09	108.75	
310	101.15	106.73	
315	100.02	105.55	
320	99.79	105.30	
325	100.43	105.97	
330	101.83	107.43	
335	103.82	109.51	
340	106.21	112.01	
345	108.82	114.75	
350	111.53	117.57	
355	114.21	120.38	

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