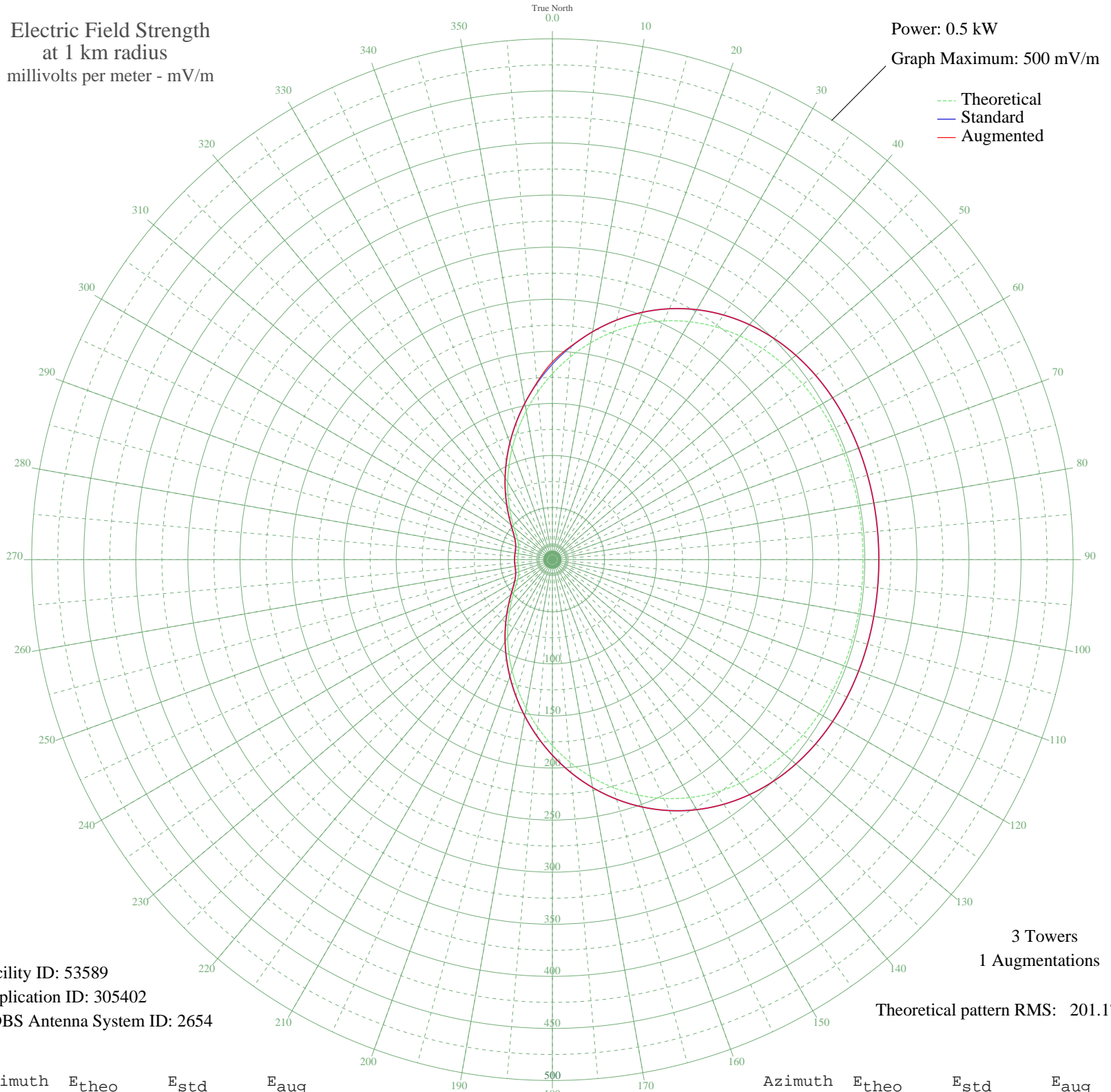


# KNST TUCSON, AZ BL-- 790 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 53589  
Application ID: 305402  
CDBS Antenna System ID: 2654

3 Towers  
1 Augmentations

Theoretical pattern RMS: 201.17

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	178.52	187.74	189.90
5	195.23	205.26	205.87
10	211.35	222.17	222.17
15	226.53	238.09	238.09
20	240.46	252.70	252.70
25	252.90	265.76	265.76
30	263.72	277.10	277.10
35	272.83	286.66	286.66
40	280.25	294.45	294.45
45	286.08	300.57	300.57
50	290.48	305.18	305.18
55	293.63	308.49	308.49
60	295.75	310.72	310.72
65	297.08	312.11	312.11
70	297.83	312.89	312.89
75	298.19	313.27	313.27
80	298.32	313.41	313.41
85	298.35	313.45	313.45
90	298.35	313.45	313.45
95	298.35	313.45	313.45
100	298.32	313.41	313.41
105	298.19	313.27	313.27
110	297.83	312.89	312.89
115	297.08	312.11	312.11
120	295.75	310.72	310.72
125	293.63	308.49	308.49
130	290.48	305.18	305.18
135	286.08	300.57	300.57
140	280.25	294.45	294.45
145	272.83	286.66	286.66
150	263.72	277.10	277.10
155	252.90	265.76	265.76
160	240.46	252.70	252.70
165	226.53	238.09	238.09
170	211.35	222.17	222.17
175	195.23	205.26	205.26

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	178.52	187.74	187.74
185	161.60	170.01	170.01
190	144.86	152.47	152.47
195	128.64	135.48	135.48
200	113.26	119.38	119.38
205	98.95	104.43	104.43
210	85.91	90.81	90.81
215	74.25	78.67	78.67
220	64.07	68.09	68.09
225	55.41	59.12	59.12
230	48.29	51.78	51.78
235	42.72	46.07	46.07
240	38.64	41.91	41.91
245	35.92	39.15	39.15
250	34.32	37.54	37.54
255	33.53	36.74	36.74
260	33.23	36.43	36.43
265	33.16	36.36	36.36
270	33.15	36.36	36.36
275	33.16	36.36	36.36
280	33.23	36.43	36.43
285	33.53	36.74	36.74
290	34.32	37.54	37.54
295	35.92	39.15	39.15
300	38.64	41.91	41.91
305	42.72	46.07	46.07
310	48.29	51.78	51.78
315	55.41	59.12	59.12
320	64.07	68.09	68.09
325	74.25	78.67	78.67
330	85.91	90.81	90.81
335	98.95	104.43	104.43
340	113.26	119.38	119.38
345	128.64	135.48	135.48
350	144.86	152.47	152.47
355	161.60	170.01	170.75