

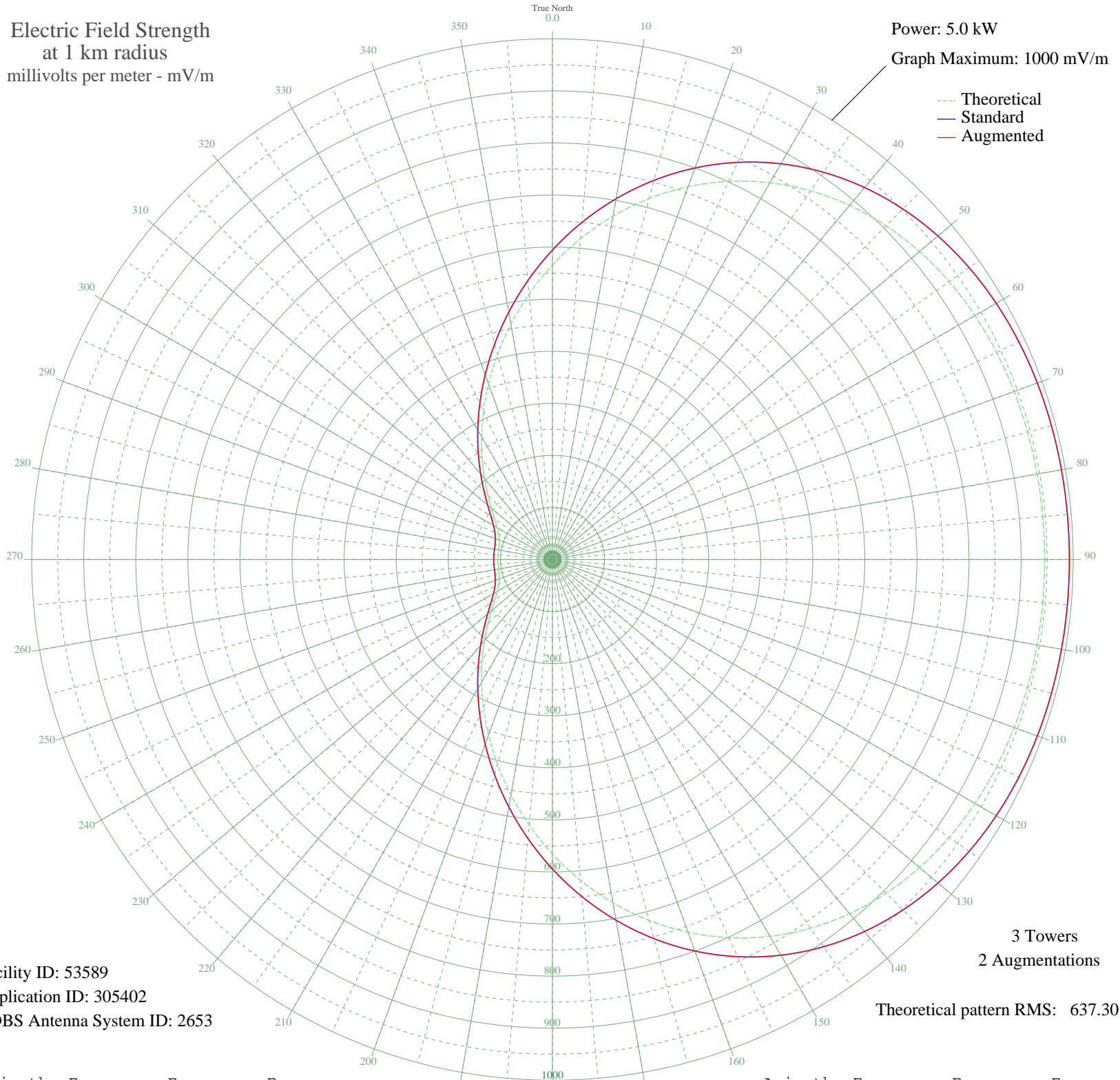
# KNST TUCSON, AZ BL-- 790 kHz

Daytime

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

Power: 5.0 kW

Graph Maximum: 1000 mV/m



Facility ID: 53589  
Application ID: 305402  
CDBS Antenna System ID: 2653

3 Towers  
2 Augmentations  
Theoretical pattern RMS: 637.30

Azimuth	Etheo	Estd	Eaug
0	565.54	594.28	594.28
5	618.47	649.82	649.82
10	669.54	703.41	703.41
15	717.62	753.87	753.87
20	761.75	800.18	800.18
25	801.18	841.57	841.57
30	835.43	877.52	877.52
35	864.29	907.81	907.81
40	887.81	932.50	932.50
45	906.29	951.90	951.90
50	920.21	966.51	966.51
55	930.19	976.98	976.98
60	936.92	984.05	984.05
65	941.12	988.46	988.46
70	943.49	990.94	990.94
75	944.63	992.13	992.13
80	945.05	992.58	992.58
85	945.15	992.69	992.69
90	945.16	992.70	992.70
95	945.15	992.69	992.69
100	945.05	992.58	992.58
105	944.63	992.13	992.13
110	943.49	990.94	990.94
115	941.12	988.46	988.46
120	936.92	984.05	984.05
125	930.19	976.98	976.98
130	920.21	966.51	966.51
135	906.29	951.90	951.90
140	887.81	932.50	932.50
145	864.29	907.81	907.81
150	835.43	877.52	877.52
155	801.18	841.57	841.57
160	761.75	800.18	800.18
165	717.62	753.87	753.87
170	669.54	703.41	703.41
175	618.47	649.82	649.82

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

Azimuth	Etheo	Estd	Eaug
180	565.54	594.28	594.28
185	511.95	538.06	538.06
190	458.91	482.42	482.42
195	407.53	428.55	428.55
200	358.79	377.46	377.46
205	313.47	329.98	329.98
210	272.15	286.72	286.72
215	235.23	248.11	248.11
220	202.97	214.41	214.41
225	175.52	185.79	185.79
230	152.97	162.33	162.33
235	135.33	144.02	144.02
240	122.42	130.67	130.67
245	113.81	121.78	121.78
250	108.73	116.56	117.48
255	106.22	113.97	113.97
260	105.26	112.99	112.99
265	105.03	112.76	112.71
270	105.02	112.74	112.65
275	105.03	112.76	112.71
280	105.26	112.99	112.99
285	106.22	113.97	113.97
290	108.73	116.56	116.56
295	113.81	121.78	121.78
300	122.42	130.67	130.67
305	135.33	144.02	144.02
310	152.97	162.33	162.33
315	175.52	185.79	185.79
320	202.97	214.41	214.41
325	235.23	248.11	248.11
330	272.15	286.72	286.72
335	313.47	329.98	329.98
340	358.79	377.46	377.46
345	407.53	428.55	428.55
350	458.91	482.42	482.42
355	511.95	538.06	538.06