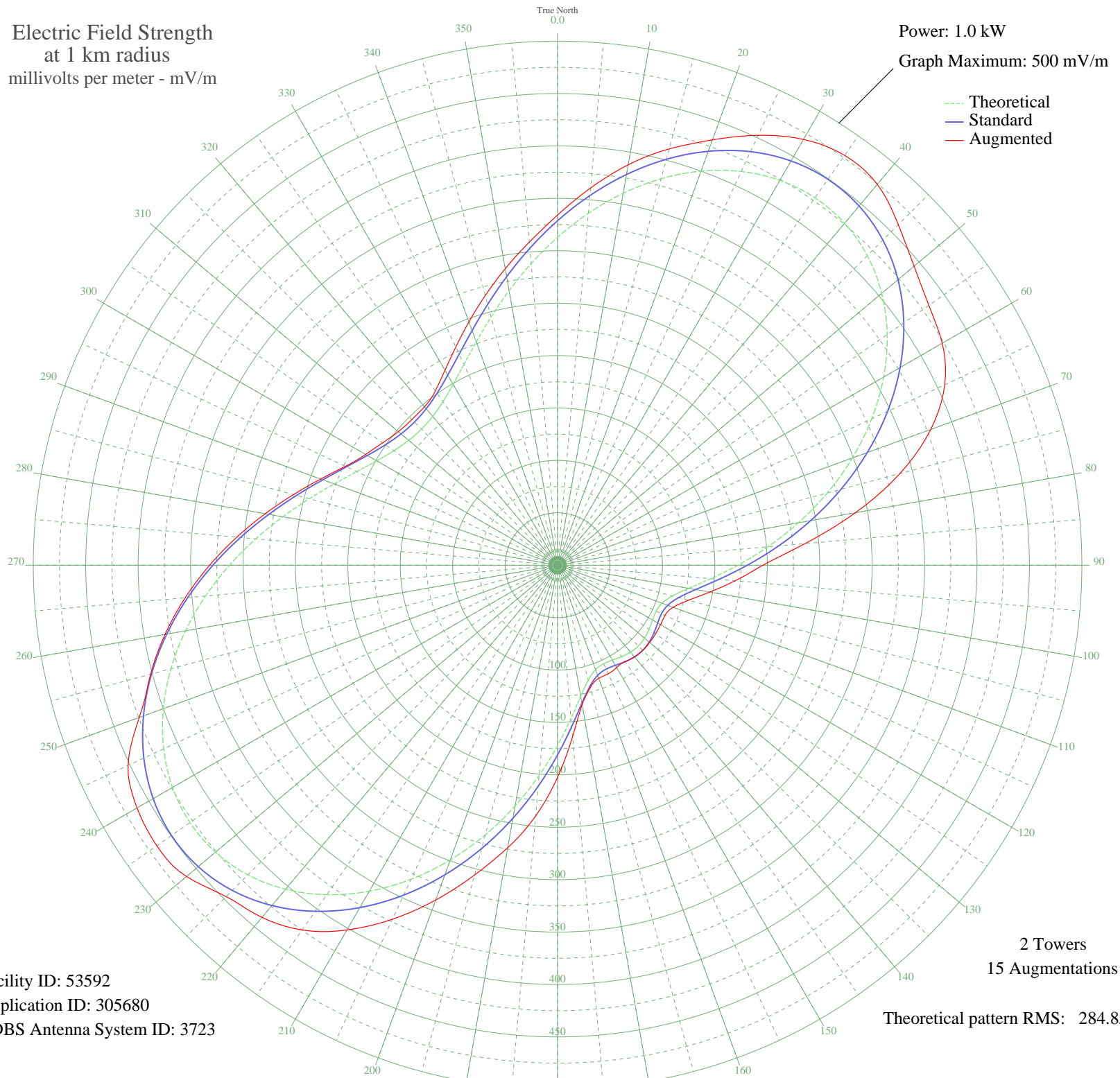


# KGMS TUCSON, AZ BL-- 940 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 53592  
Application ID: 305680  
CDBS Antenna System ID: 3723

2 Towers  
15 Augmentations  
Theoretical pattern RMS: 284.85

Azimuth	Etheo	Estd	Eaug
0	312.87	328.69	334.12
5	337.02	354.03	361.30
10	360.33	378.49	387.91
15	381.72	400.94	411.19
20	400.11	420.24	431.87
25	414.50	435.35	452.57
30	424.01	445.33	469.09
35	427.96	449.48	477.31
40	425.92	447.34	474.34
45	417.73	438.74	459.51
50	403.52	423.83	443.82
55	383.75	403.07	432.27
60	359.11	377.21	423.60
65	330.55	347.23	407.39
70	299.19	314.32	378.72
75	266.29	279.81	338.05
80	233.20	245.08	288.43
85	201.30	211.63	236.97
90	172.02	180.93	195.71
95	146.80	154.50	170.00
100	126.94	133.70	147.39
105	113.36	119.49	129.16
110	106.01	111.80	117.27
115	103.71	109.41	113.06
120	104.52	110.25	113.35
125	106.51	112.32	114.12
130	108.24	114.14	114.66
135	108.91	114.83	114.83
140	108.24	114.14	114.14
145	106.51	112.32	112.32
150	104.52	110.25	112.69
155	103.71	109.41	114.26
160	106.01	111.80	114.84
165	113.36	119.49	120.70
170	126.94	133.70	134.91
175	146.80	154.50	164.20

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	172.02	180.93	202.33
185	201.30	211.63	240.18
190	233.20	245.08	273.59
195	266.29	279.81	306.01
200	299.19	314.32	339.95
205	330.55	347.23	372.65
210	359.11	377.21	401.82
215	383.75	403.07	424.81
220	403.52	423.83	438.58
225	417.73	438.74	447.03
230	425.92	447.34	461.95
235	427.96	449.48	466.58
240	424.01	445.33	463.12
245	414.50	435.35	452.00
250	400.11	420.24	424.53
255	381.72	400.94	401.82
260	360.33	378.49	380.14
265	337.02	354.03	356.49
270	312.87	328.69	331.83
275	288.91	303.54	307.07
280	266.06	279.56	283.06
285	245.12	257.59	260.60
290	226.73	238.29	240.44
295	211.33	222.14	223.29
300	199.22	209.44	211.34
305	190.54	200.35	203.63
310	185.34	194.89	198.28
315	183.61	193.08	196.50
320	185.34	194.89	197.36
325	190.54	200.35	203.12
330	199.22	209.45	214.75
335	211.33	222.14	229.65
340	226.73	238.29	247.06
345	245.12	257.59	266.40
350	266.06	279.56	287.28
355	288.91	303.54	309.41