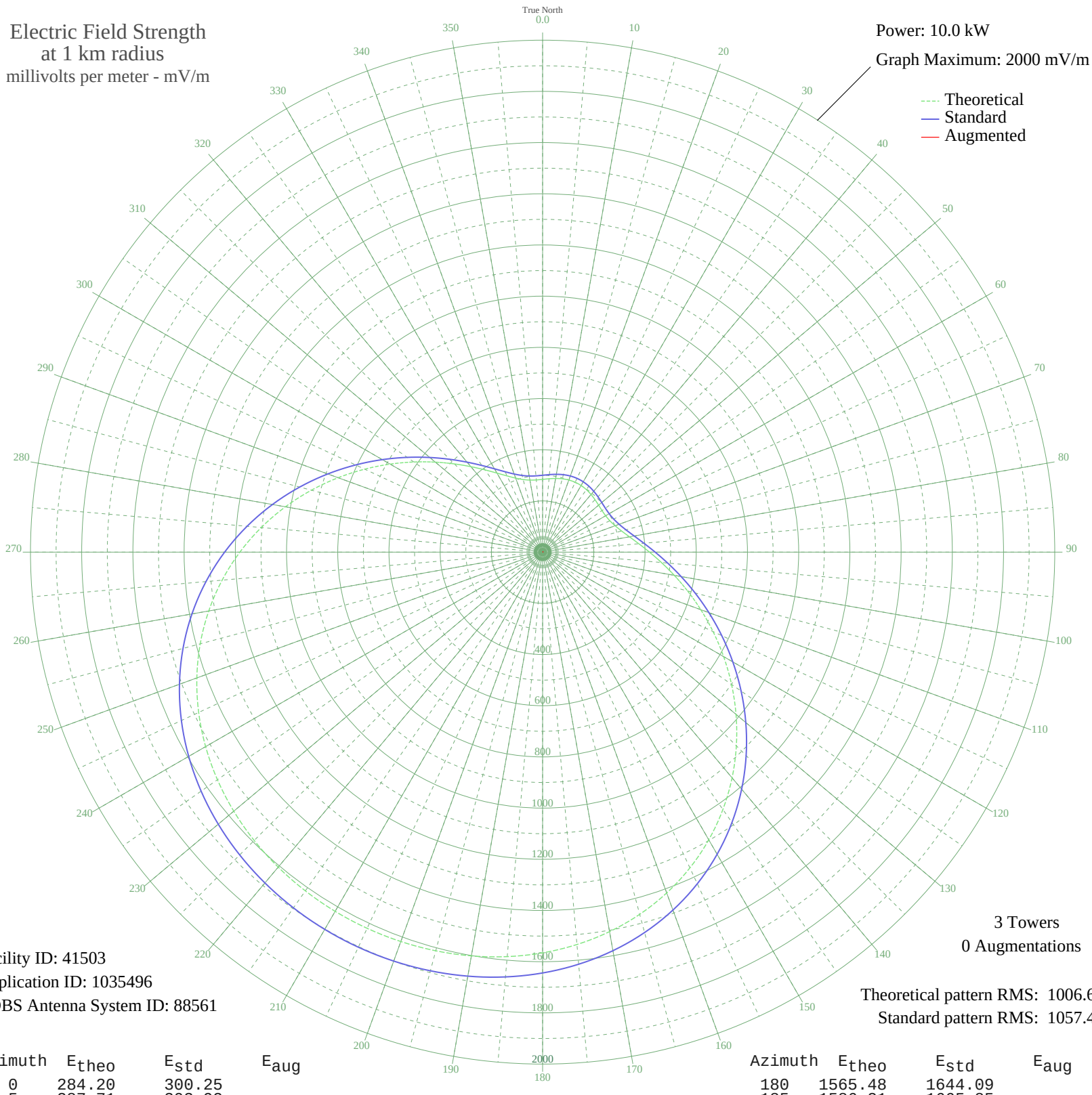
860428AB SOUTH TUCSON, AZ BP-19860428AB 890 kHz

Daytime

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



Power: 10.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 41503
Application ID: 1035496
CDBS Antenna System ID: 88561

Theoretical pattern RMS: 1006.63
Standard pattern RMS: 1057.49

Azimuth	E_{theo}	E_{std}	E_{aug}
0	284.20	300.25	
5	287.71	303.92	
10	292.24	308.64	
15	296.56	313.15	
20	299.72	316.45	
25	301.13	317.92	
30	300.52	317.29	
35	298.00	314.66	
40	294.05	310.54	
45	289.48	305.76	
50	285.40	301.50	
55	283.15	299.15	
60	284.18	300.23	
65	289.84	306.14	
70	301.26	318.06	
75	319.27	336.87	
80	344.39	363.13	
85	377.01	397.25	
90	417.40	439.53	
95	465.76	490.17	
100	522.11	549.22	
105	586.19	616.40	
110	657.36	691.02	
115	734.52	771.97	
120	816.23	857.69	
125	900.70	946.32	
130	985.97	1035.80	
135	1070.07	1124.06	
140	1151.10	1209.11	
145	1227.43	1289.23	
150	1297.73	1363.02	
155	1361.05	1429.49	
160	1416.85	1488.07	
165	1464.94	1538.54	
170	1505.45	1581.07	
175	1538.77	1616.05	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1565.48	1644.09	
185	1586.21	1665.85	
190	1601.64	1682.05	
195	1612.37	1693.32	
200	1618.89	1700.16	
205	1621.52	1702.92	
210	1620.40	1701.74	
215	1615.46	1696.56	
220	1606.47	1687.12	
225	1592.99	1672.96	
230	1574.45	1653.51	
235	1550.21	1628.06	
240	1519.61	1595.94	
245	1482.03	1556.49	
250	1437.01	1509.23	
255	1384.29	1453.89	
260	1323.93	1390.53	
265	1256.33	1319.57	
270	1182.28	1241.83	
275	1102.94	1158.57	
280	1019.86	1071.37	
285	934.82	982.13	
290	849.79	892.90	
295	766.76	805.78	
300	687.58	722.72	
305	613.86	645.41	
310	546.84	575.15	
315	487.35	512.79	
320	435.78	458.77	
325	392.22	413.17	
330	356.52	375.82	
335	328.44	346.46	
340	307.64	324.72	
345	293.66	310.13	
350	285.81	301.94	
355	283.09	299.09	

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