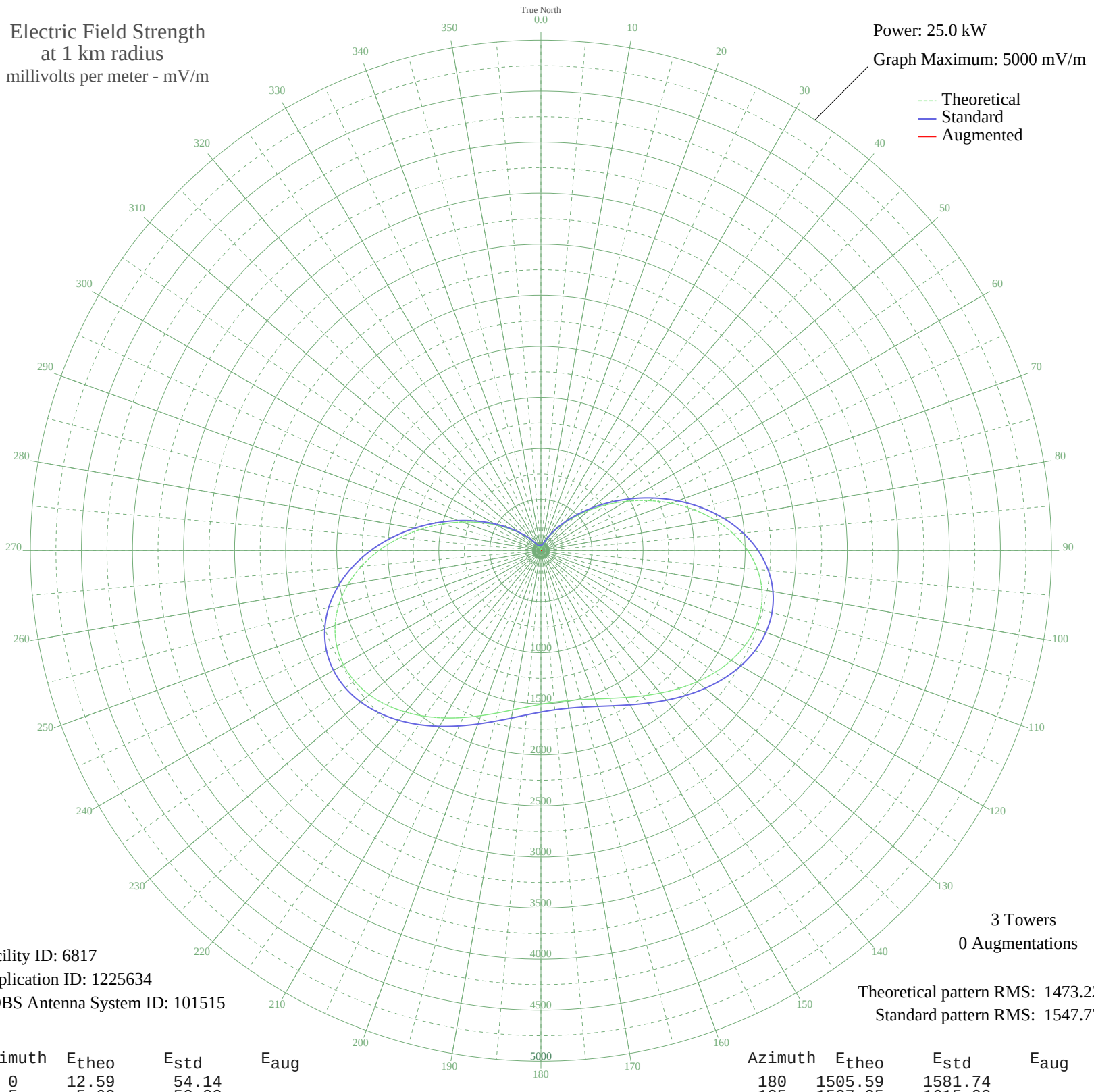
WDYT KINGS MOUNTAIN, NC BL-20071211ACU 1220 kHz

Daytime

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



Power: 25.0 kW

Graph Maximum: 5000 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 6817
Application ID: 1225634
CDBS Antenna System ID: 101515

Theoretical pattern RMS: 1473.22
Standard pattern RMS: 1547.77

Azimuth	E_{theo}	E_{std}	E_{aug}
0	12.59	54.14	
5	5.62	52.83	
10	6.87	52.99	
15	27.08	59.70	
20	57.74	80.20	
25	101.90	119.19	
30	162.68	178.70	
35	242.86	260.35	
40	344.58	365.59	
45	468.88	495.12	
50	615.41	648.31	
55	782.09	822.87	
60	965.09	1014.71	
65	1158.84	1217.91	
70	1356.34	1425.13	
75	1549.69	1628.02	
80	1730.70	1817.99	
85	1891.61	1986.89	
90	2025.85	2127.79	
95	2128.56	2235.60	
100	2197.03	2307.48	
105	2230.84	2342.97	
110	2231.78	2343.95	
115	2203.48	2314.25	
120	2151.03	2259.20	
125	2080.36	2185.00	
130	1997.70	2098.24	
135	1909.18	2005.32	
140	1820.36	1912.09	
145	1736.06	1823.62	
150	1660.26	1744.06	
155	1596.02	1676.64	
160	1545.62	1623.75	
165	1510.64	1587.04	
170	1492.06	1567.54	
175	1490.36	1565.76	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1505.59	1581.74	
185	1537.35	1615.08	
190	1584.77	1664.84	
195	1646.40	1729.52	
200	1720.11	1806.88	
205	1803.00	1893.87	
210	1891.27	1986.53	
215	1980.28	2079.96	
220	2064.58	2168.45	
225	2138.16	2245.68	
230	2194.75	2305.08	
235	2228.31	2340.32	
240	2233.57	2345.83	
245	2206.54	2317.46	
250	2145.04	2252.90	
255	2049.03	2152.12	
260	1920.78	2017.50	
265	1764.72	1853.70	
270	1587.14	1667.32	
275	1395.61	1466.33	
280	1198.28	1259.29	
285	1003.19	1054.65	
290	817.54	860.02	
295	647.23	681.61	
300	496.45	523.91	
305	367.62	389.55	
310	261.43	279.48	
315	177.08	193.20	
320	112.63	129.40	
325	65.39	86.43	
330	32.28	62.49	
335	10.21	53.58	
340	3.63	52.64	
345	11.56	53.88	
350	15.23	54.88	
355	15.55	54.98	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission