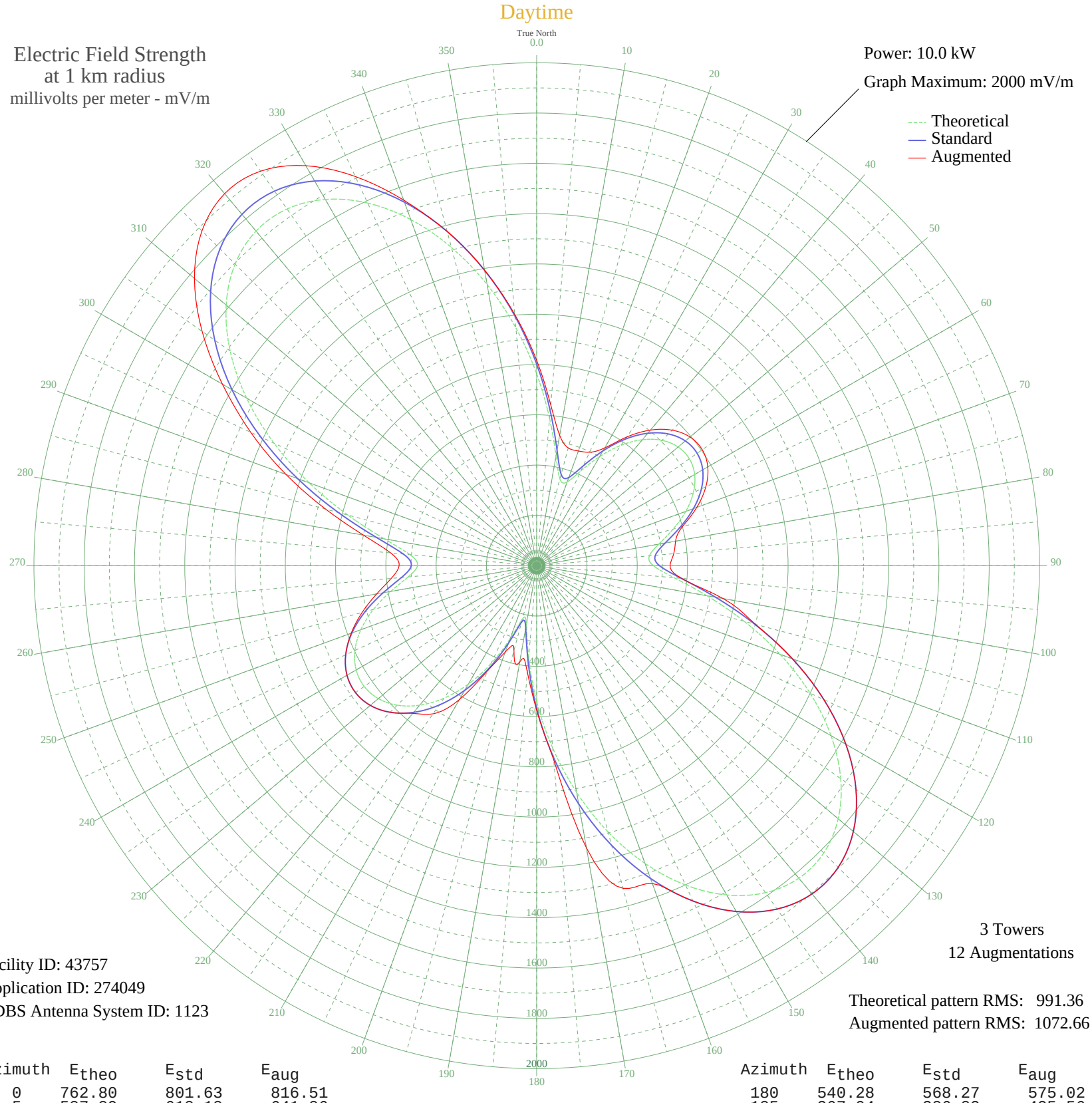
KFCD WICHITA FALLS, TX BL-19980921AA 990 kHz

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
12 Augmentations

Facility ID: 43757
Application ID: 274049
CDBS Antenna System ID: 1123

Theoretical pattern RMS: 991.36
Augmented pattern RMS: 1072.66

Azimuth	E_{theo}	E_{std}	E_{aug}
0	762.80	801.63	816.51
5	587.89	618.18	641.86
10	442.93	466.26	526.49
15	356.69	375.99	484.76
20	353.98	373.16	485.38
25	415.80	437.85	497.72
30	501.01	527.11	540.58
35	584.26	614.37	624.79
40	654.01	687.51	703.89
45	704.95	740.94	762.17
50	734.50	771.93	796.16
55	741.44	779.22	804.16
60	725.59	762.59	785.86
65	687.89	723.05	742.50
70	631.19	663.58	677.59
75	561.87	590.90	600.00
80	493.23	518.95	560.95
85	449.99	473.65	547.18
90	464.15	488.48	530.55
95	548.97	577.37	578.69
100	687.42	722.56	753.42
105	854.53	897.87	900.55
110	1030.46	1082.49	1082.49
115	1200.27	1260.73	1260.73
120	1352.11	1420.10	1420.10
125	1476.39	1550.56	1550.56
130	1565.78	1644.40	1644.40
135	1615.29	1696.38	1696.38
140	1622.45	1703.89	1703.89
145	1587.26	1666.95	1666.95
150	1512.03	1587.98	1587.98
155	1401.01	1471.44	1471.44
160	1259.96	1323.37	1345.21
165	1095.63	1150.89	1328.31
170	915.46	961.81	1139.59
175	727.36	764.45	774.22

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.

19 May 2005

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	540.28	568.27	575.02
185	367.04	386.82	425.56
190	237.20	251.27	388.74
195	218.96	232.29	349.12
200	310.06	327.26	365.28
205	429.57	452.27	459.36
210	544.11	572.28	614.71
215	643.72	676.72	719.20
220	724.49	761.44	766.58
225	784.45	824.34	824.34
230	822.37	864.13	864.13
235	837.45	879.95	879.95
240	829.21	871.30	871.30
245	797.76	838.30	838.30
250	744.32	782.24	785.32
255	672.33	706.73	718.99
260	589.72	620.10	646.25
265	513.35	540.04	580.87
270	473.99	498.80	547.18
275	506.35	532.71	583.02
280	615.81	647.45	699.86
285	777.17	816.71	869.20
290	963.06	1011.76	1061.43
295	1153.19	1211.30	1255.29
300	1332.38	1399.39	1443.40
305	1488.61	1563.39	1624.63
310	1612.35	1693.29	1777.09
315	1696.56	1781.70	1883.02
320	1736.87	1824.02	1931.21
325	1731.63	1818.52	1915.19
330	1681.88	1766.29	1836.61
335	1591.10	1670.98	1707.75
340	1464.80	1538.40	1547.14
345	1310.10	1376.01	1376.01
350	1135.26	1192.48	1192.96
355	949.42	997.44	1003.40