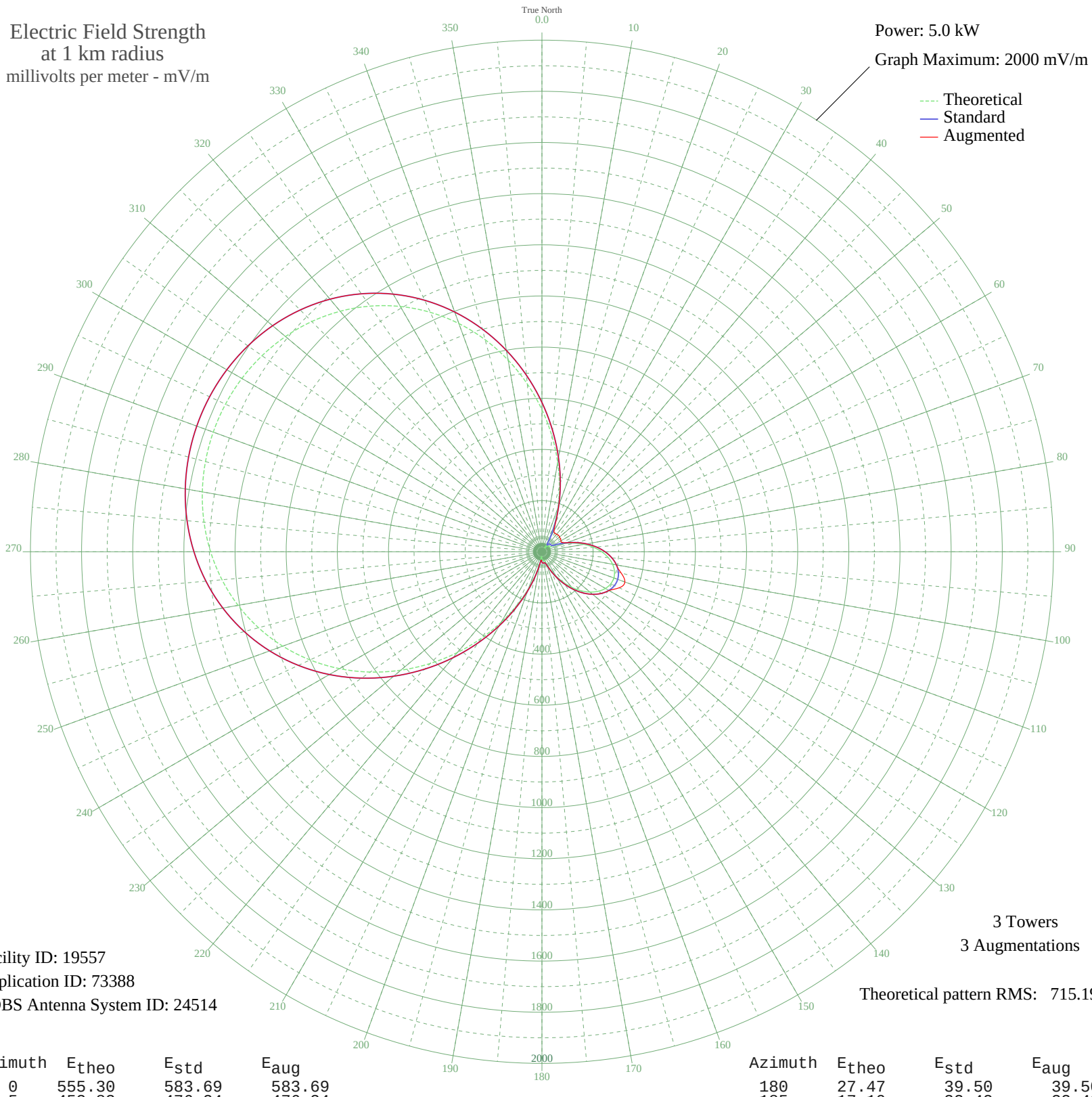
KRTA MEDFORD, OR BL-19841018AF 610 kHz

Nighttime

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



Power: 5.0 kW

Graph Maximum: 2000 mV/m

Theoretical
Standard
Augmented

3 Towers
3 Augmentations

Facility ID: 19557
Application ID: 73388
CDBS Antenna System ID: 24514

Theoretical pattern RMS: 715.19

Azimuth	E_{theo}	E_{std}	E_{aug}
0	555.30	583.69	583.69
5	452.83	476.24	476.24
10	354.40	373.10	373.10
15	262.97	277.43	277.43
20	181.31	192.28	192.41
25	111.85	120.50	127.35
30	56.84	65.50	94.03
35	21.15	34.95	88.32
40	22.49	35.87	89.52
45	32.75	43.72	91.35
50	34.55	45.22	90.19
55	32.54	43.54	88.51
60	39.64	49.60	85.66
65	62.08	70.55	86.21
70	93.93	102.25	104.18
75	129.94	139.08	139.08
80	166.79	177.19	177.19
85	202.01	213.82	213.82
90	233.66	246.83	246.83
95	260.20	274.54	274.54
100	280.45	295.71	295.71
105	293.58	309.44	320.56
110	299.07	315.18	345.14
115	296.71	312.71	333.26
120	286.60	302.13	302.95
125	269.11	283.85	283.85
130	244.97	258.63	258.63
135	215.20	227.56	227.56
140	181.19	192.15	192.15
145	144.73	154.34	154.34
150	108.05	116.61	116.61
155	74.05	82.30	82.30
160	47.03	56.28	56.28
165	33.51	44.35	44.35
170	33.63	44.44	44.44
175	34.43	45.12	45.12

Azimuth	E_{theo}	E_{std}	E_{aug}
180	27.47	39.50	39.50
185	17.10	32.42	32.42
190	39.61	49.58	49.58
195	87.97	96.23	96.23
200	151.94	161.80	161.80
205	228.99	241.95	241.95
210	316.83	333.76	333.76
215	412.80	434.28	434.28
220	514.02	540.40	540.40
225	617.48	648.91	648.91
230	720.28	756.77	756.77
235	819.79	861.20	861.20
240	913.77	959.84	959.84
245	1000.46	1050.83	1050.83
250	1078.58	1132.83	1132.83
255	1147.36	1205.03	1205.03
260	1206.43	1267.04	1267.04
265	1255.78	1318.85	1318.85
270	1295.64	1360.69	1360.69
275	1326.38	1392.96	1392.96
280	1348.39	1416.07	1416.07
285	1362.06	1430.42	1430.42
290	1367.64	1436.28	1436.28
295	1365.25	1433.77	1433.77
300	1354.84	1422.84	1422.84
305	1336.21	1403.28	1403.28
310	1309.01	1374.72	1374.72
315	1272.85	1336.76	1336.76
320	1227.33	1288.98	1288.98
325	1172.16	1231.06	1231.06
330	1107.24	1162.92	1162.92
335	1032.79	1084.77	1084.77
340	949.41	997.24	997.24
345	858.16	901.47	901.47
350	760.61	799.10	799.10
355	658.83	692.30	692.30

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission