

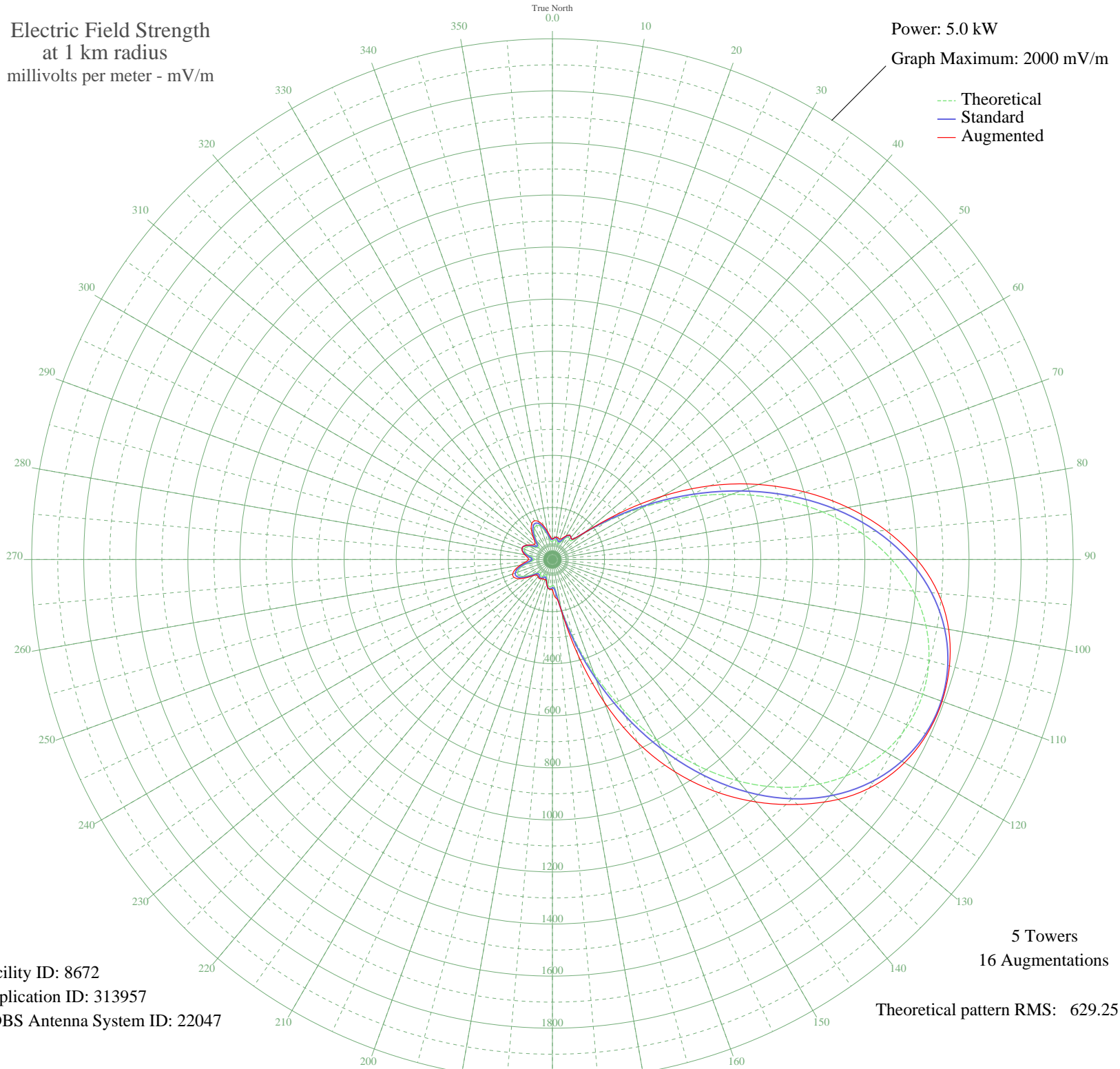
# WKDV MANASSAS, VA BL-- 1460 kHz

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

Facility ID: 8672  
Application ID: 313957  
CDBS Antenna System ID: 22047

5 Towers  
16 Augmentations

Theoretical pattern RMS: 629.25

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	68.44	77.26	79.42
5	74.84	83.55	83.64
10	76.18	84.87	87.69
15	68.98	77.79	85.56
20	62.99	71.97	83.20
25	72.72	81.45	90.35
30	92.21	100.89	104.77
35	104.50	113.33	113.91
40	102.06	110.85	110.85
45	101.60	110.39	110.39
50	150.06	160.10	160.10
55	256.49	270.81	300.77
60	399.55	420.49	485.07
65	562.75	591.57	670.66
70	733.03	770.21	842.72
75	899.50	944.90	1002.83
80	1053.54	1106.59	1152.14
85	1189.08	1248.86	1285.53
90	1302.38	1367.79	1399.89
95	1391.64	1461.50	1487.56
100	1456.39	1529.47	1545.39
105	1496.85	1571.95	1578.77
110	1513.42	1589.34	1592.68
115	1506.32	1581.89	1587.10
120	1475.47	1549.50	1561.15
125	1420.48	1491.78	1511.34
130	1341.02	1408.36	1433.29
135	1237.21	1299.38	1330.41
140	1110.24	1166.10	1215.26
145	963.01	1011.56	1086.64
150	800.62	841.13	941.69
155	630.67	662.81	775.94
160	463.20	487.18	584.29
165	310.36	327.11	379.59
170	186.92	198.30	201.07
175	113.05	122.04	148.07

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	99.31	108.07	115.83
185	105.15	113.99	114.45
190	98.73	107.48	107.48
195	80.36	89.02	89.02
200	64.72	73.64	83.01
205	65.47	74.37	82.45
210	74.08	82.79	84.32
215	76.47	85.15	88.53
220	70.85	79.62	85.87
225	67.97	76.80	84.03
230	81.10	89.75	96.44
235	105.84	114.70	121.83
240	129.19	138.59	147.06
245	142.52	152.31	162.27
250	142.23	152.01	162.22
255	128.74	138.13	147.94
260	106.00	114.86	125.44
265	81.81	90.47	103.07
270	68.79	77.60	91.87
275	75.61	84.30	96.41
280	92.88	101.57	108.24
285	108.18	117.08	119.19
290	115.30	124.35	124.41
295	112.20	121.17	121.19
300	99.71	108.47	110.62
305	82.10	90.75	98.03
310	69.31	78.11	90.18
315	74.46	83.17	95.43
320	95.90	104.62	116.63
325	120.42	129.58	141.35
330	138.27	147.93	158.95
335	144.10	153.94	163.83
340	136.03	145.62	155.02
345	115.96	125.02	135.10
350	90.37	99.04	110.53
355	71.08	79.84	88.29