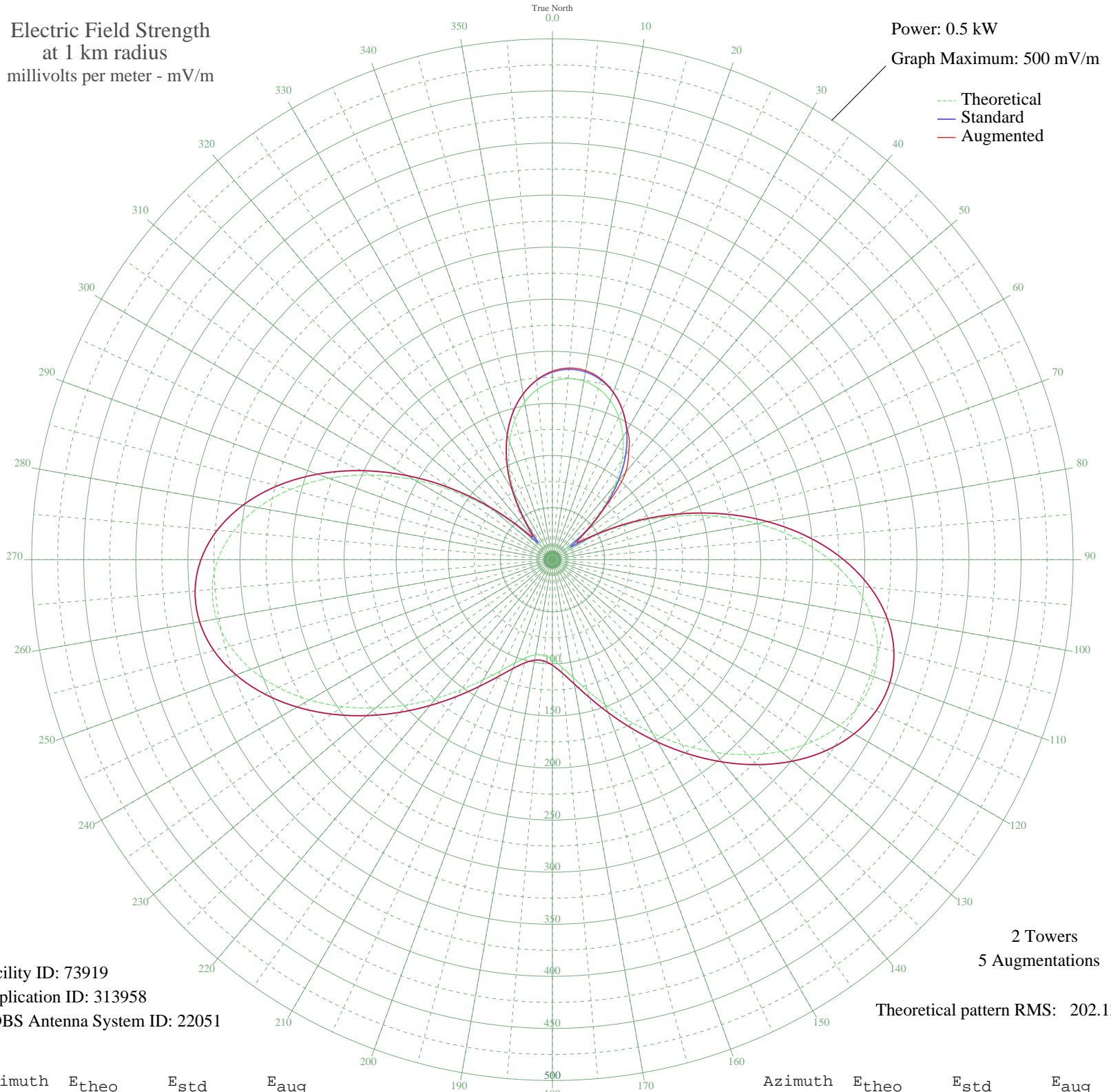


# WRAD RADFORD, VA BL-6301 1460 kHz

Nighttime

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

Power: 0.5 kW  
Graph Maximum: 500 mV/m



Facility ID: 73919  
Application ID: 313958  
CDBS Antenna System ID: 22051

2 Towers  
5 Augmentations  
Theoretical pattern RMS: 202.13

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	171.15	180.01	180.97
5	174.40	183.42	184.73
10	174.04	183.05	184.31
15	170.06	178.87	179.73
20	162.40	170.84	171.17
25	150.96	158.85	158.86
30	135.63	142.79	143.92
35	116.33	122.59	128.04
40	93.08	98.30	109.44
45	66.16	70.25	72.03
50	36.75	39.99	43.52
55	17.46	21.13	28.97
60	43.67	47.04	50.08
65	81.59	86.31	86.88
70	121.51	128.02	128.02
75	161.41	169.80	169.80
80	199.75	210.00	210.00
85	235.11	247.09	247.09
90	266.14	279.65	279.65
95	291.70	306.46	306.46
100	310.89	326.60	326.60
105	323.15	339.47	339.47
110	328.30	344.88	344.88
115	326.52	343.01	343.01
120	318.36	334.44	334.44
125	304.62	320.03	320.03
130	286.38	300.89	300.89
135	264.82	278.26	278.26
140	241.17	253.45	253.45
145	216.64	227.72	227.72
150	192.36	202.25	202.25
155	169.30	178.08	178.08
160	148.31	156.08	156.08
165	130.04	136.95	136.95
170	115.02	121.23	121.23
175	103.59	109.28	109.28

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	96.00	101.35	101.35
185	92.38	97.57	97.57
190	92.78	97.99	97.99
195	97.21	102.60	102.60
200	105.58	111.35	111.35
205	117.75	124.08	124.08
210	133.45	140.52	140.52
215	152.31	160.27	160.27
220	173.77	182.76	182.76
225	197.15	207.27	207.27
230	221.56	232.88	232.88
235	246.01	258.52	258.52
240	269.34	283.00	283.00
245	290.34	305.04	305.04
250	307.77	323.33	323.33
255	320.46	336.65	336.65
260	327.41	343.94	343.94
265	327.84	344.39	344.39
270	321.27	337.49	337.49
275	307.59	323.14	323.14
280	287.07	301.61	301.61
285	260.34	273.56	273.56
290	228.34	239.99	239.99
295	192.28	202.16	202.16
300	153.50	161.52	161.55
305	113.48	119.61	120.02
310	73.76	78.15	79.67
315	36.71	39.95	44.23
320	17.94	21.57	29.38
325	42.66	46.01	49.49
330	71.81	76.12	77.42
335	98.04	103.48	103.79
340	120.51	126.97	126.97
345	139.01	146.34	146.34
350	153.55	161.57	161.61
355	164.23	172.76	173.19