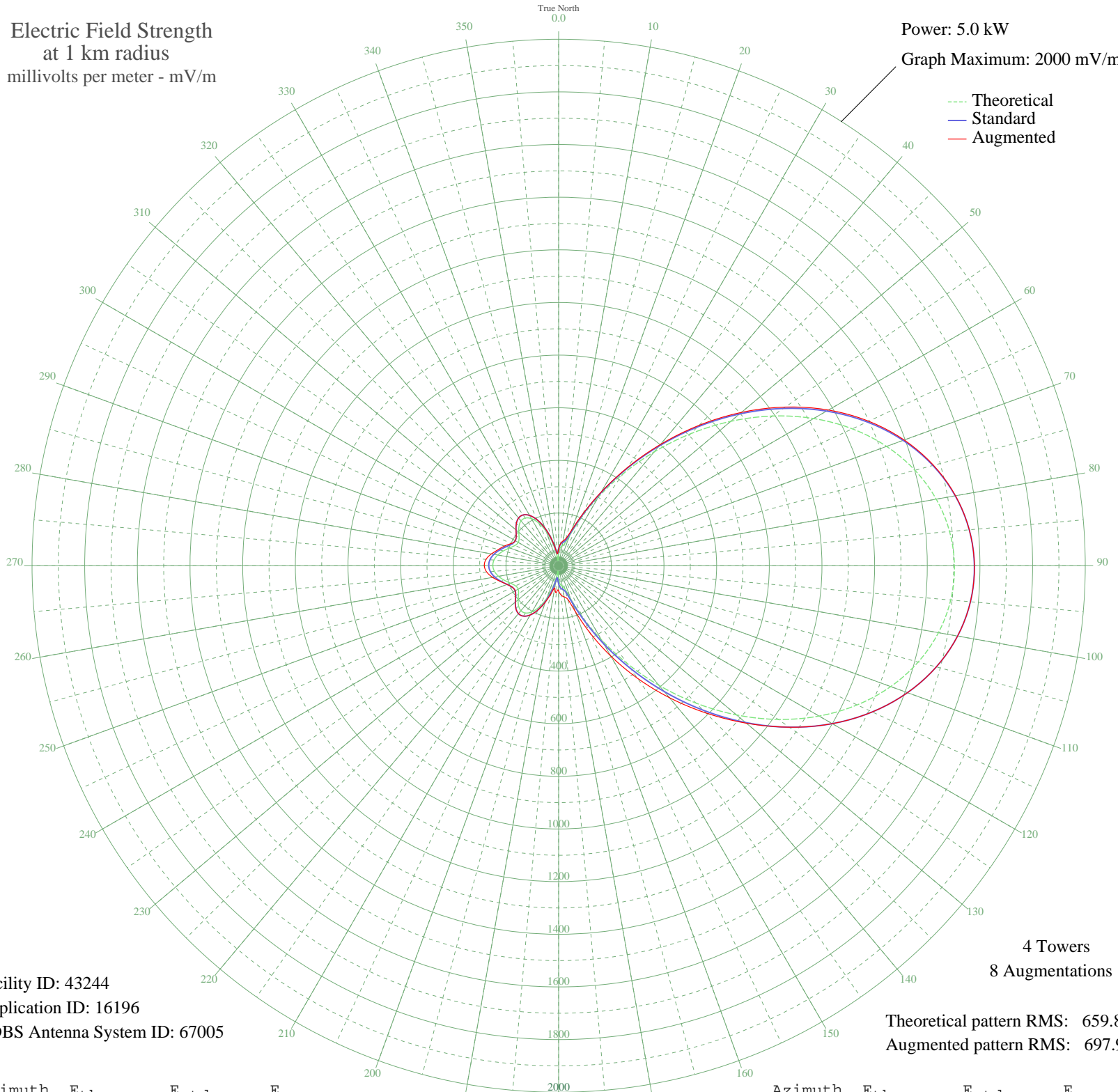


# WDVA DANVILLE, VA BL-19791221AG 1250 kHz

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: 43244  
Application ID: 16196  
CDBS Antenna System ID: 67005

4 Towers  
8 Augmentations

Theoretical pattern RMS: 659.83  
Augmented pattern RMS: 697.96

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	47.54	63.91	64.05
5	68.51	82.27	84.27
10	77.15	90.31	95.46
15	86.19	98.91	107.23
20	122.44	134.61	143.25
25	196.54	210.19	216.80
30	300.68	318.23	323.03
35	425.92	449.00	454.61
40	564.48	594.05	601.35
45	709.16	745.69	754.39
50	853.39	896.94	906.28
55	991.37	1041.71	1050.80
60	1118.35	1174.94	1182.99
65	1230.60	1292.74	1299.07
70	1325.42	1392.27	1396.55
75	1401.00	1471.59	1473.93
80	1456.21	1529.54	1530.37
85	1490.39	1565.42	1565.49
90	1503.25	1578.91	1578.91
95	1494.67	1569.92	1569.92
100	1464.74	1538.49	1538.49
105	1413.70	1484.92	1484.92
110	1342.12	1409.79	1409.79
115	1251.03	1314.18	1314.18
120	1142.08	1199.84	1199.84
125	1017.78	1069.42	1069.45
130	881.65	926.59	930.63
135	738.24	776.18	791.03
140	593.15	624.08	654.24
145	452.81	477.12	521.97
150	324.30	342.85	396.22
155	215.28	229.53	281.13
160	134.38	146.64	185.31
165	90.48	103.04	130.71
170	78.17	91.26	120.34
175	71.09	84.64	112.12

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	52.76	68.28	96.18
185	24.83	47.67	102.02
190	36.03	54.99	84.91
195	82.46	95.34	107.50
200	130.25	142.47	145.75
205	171.65	184.59	184.74
210	202.11	215.94	215.94
215	219.26	233.66	233.66
220	222.97	237.50	237.50
225	215.37	229.63	229.63
230	200.86	214.64	214.64
235	185.84	199.17	199.17
240	177.51	190.61	190.61
245	180.66	193.84	193.84
250	194.40	207.98	207.98
255	213.40	227.59	229.62
260	231.68	246.52	254.62
265	244.77	260.09	274.19
270	250.03	265.55	282.37
275	246.50	261.89	276.87
280	234.83	249.78	259.21
285	217.28	231.61	237.36
290	197.98	211.67	218.87
295	182.69	195.93	199.17
300	177.16	190.25	190.25
305	183.42	196.68	196.68
310	197.66	211.34	211.34
315	212.84	227.02	227.02
320	222.25	236.75	236.75
325	221.05	235.50	235.50
330	206.64	220.61	220.61
335	178.72	191.85	191.85
340	139.22	151.53	151.53
345	92.23	104.75	104.75
350	44.53	61.47	61.47
355	20.94	45.56	45.56

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission