

WTJZ NEWPORT NEWS, VA BP-20080429AAJ 1270 kHz

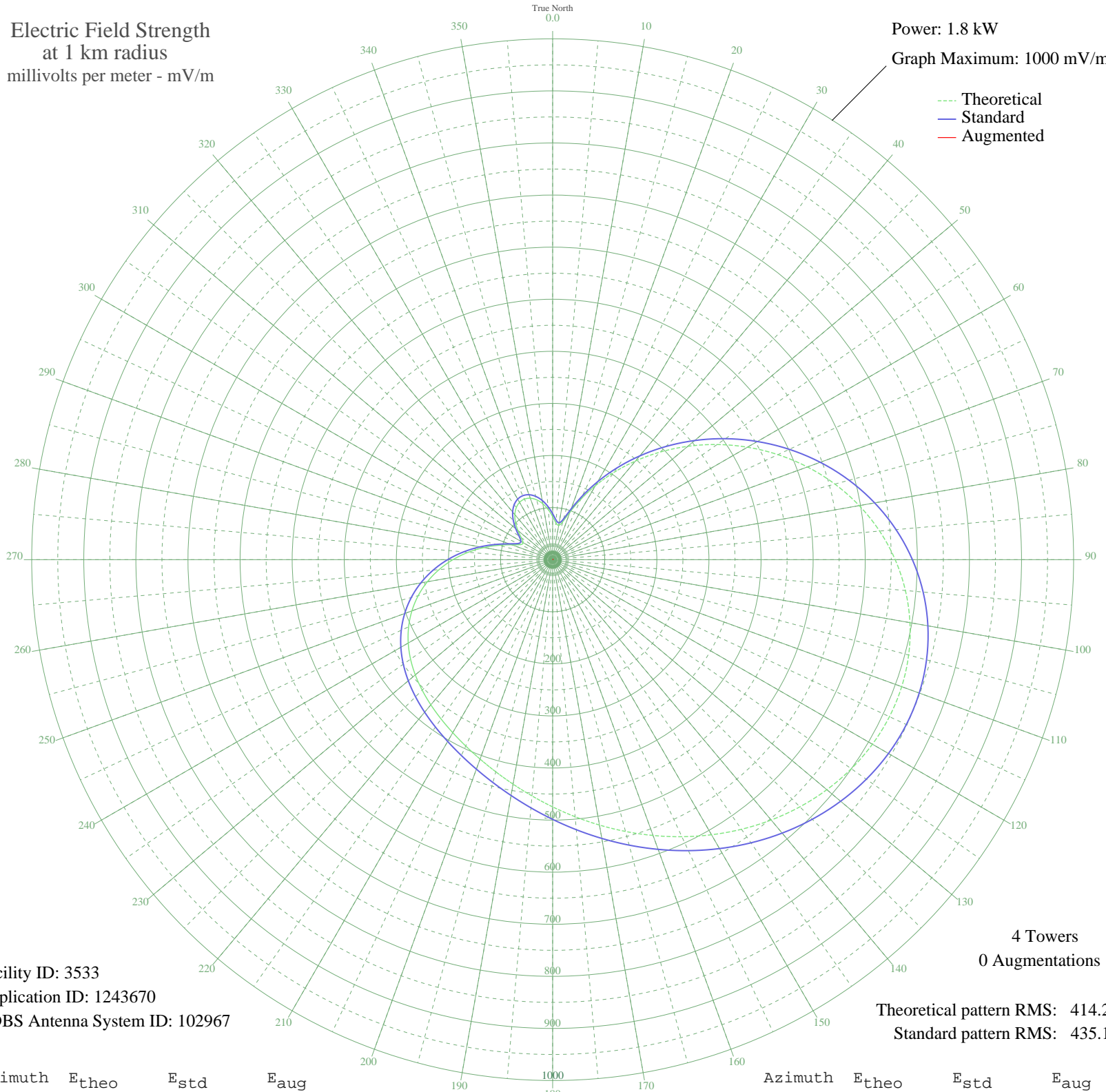
Nighttime

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

Power: 1.8 kW

Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 3533
Application ID: 1243670
CDBS Antenna System ID: 102967

4 Towers
0 Augmentations

Theoretical pattern RMS: 414.20
Standard pattern RMS: 435.10

Azimuth	E _{theo}	E _{std}	E _{aug}
0	82.72	88.14	
5	71.01	76.06	
10	66.88	71.81	
15	75.81	81.00	
20	97.44	103.41	
25	127.85	135.08	
30	164.01	172.86	
35	204.15	214.88	
40	247.18	259.97	
45	292.24	307.22	
50	338.57	355.81	
55	385.37	404.91	
60	431.83	453.67	
65	477.13	501.21	
70	520.40	546.62	
75	560.80	589.04	
80	597.57	627.62	
85	629.99	661.66	
90	657.52	690.56	
95	679.74	713.88	
100	696.40	731.38	
105	707.45	742.98	
110	713.00	748.80	
115	713.31	749.12	
120	708.75	744.34	
125	699.83	734.97	
130	687.09	721.60	
135	671.12	704.84	
140	652.53	685.32	
145	631.92	663.68	
150	609.86	640.52	
155	586.89	616.41	
160	563.52	591.88	
165	540.21	567.42	
170	517.40	543.47	
175	495.44	520.43	

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.

Azimuth	E _{theo}	E _{std}	E _{aug}
180	474.67	498.63	
185	455.33	478.34	
190	437.63	459.76	
195	421.65	442.99	
200	407.41	428.04	
205	394.79	414.80	
210	383.55	403.01	
215	373.37	392.32	
220	363.77	382.26	
225	354.24	372.25	
230	344.17	361.69	
235	332.98	349.95	
240	320.10	336.44	
245	305.05	320.66	
250	287.49	302.23	
255	267.21	280.97	
260	244.23	256.88	
265	218.79	230.22	
270	191.37	201.50	
275	162.71	171.51	
280	133.92	141.42	
285	106.62	112.95	
290	83.40	88.84	
295	68.33	73.30	
300	65.44	70.33	
305	73.53	78.65	
310	86.86	92.43	
315	100.80	106.89	
320	112.86	119.44	
325	121.80	128.77	
330	127.03	134.22	
335	128.28	135.52	
340	125.52	132.65	
345	118.96	125.81	
350	108.99	115.42	
355	96.41	102.33	

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Prepared by Audio Division, Media Bureau
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