

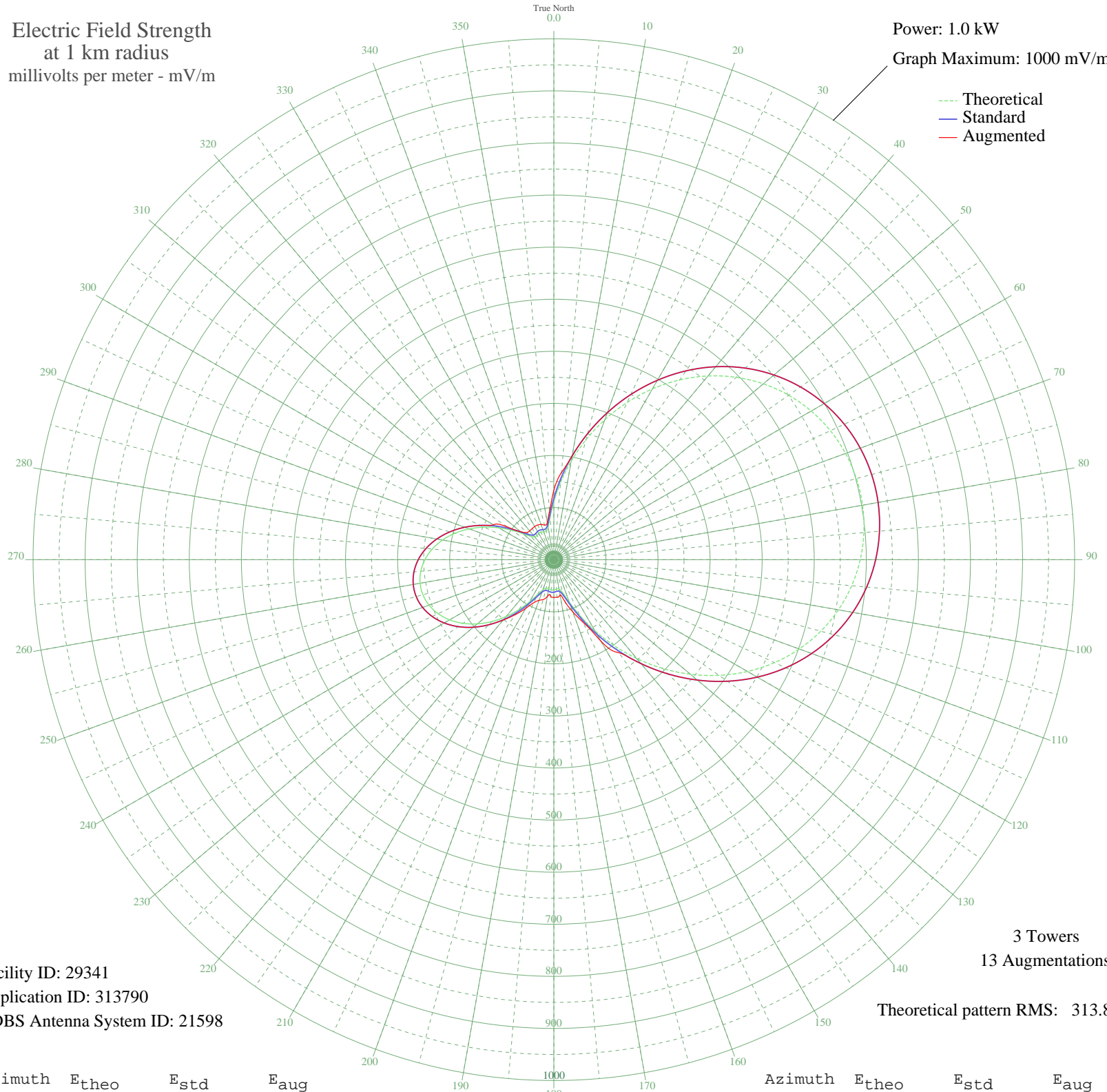
# WPRD WINTER PARK, FL BL-- 1440 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 29341  
Application ID: 313790  
CDBS Antenna System ID: 21598

3 Towers  
13 Augmentations

Theoretical pattern RMS: 313.82

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	111.39	117.80	133.10
5	149.00	157.07	167.99
10	192.02	202.10	202.10
15	238.23	250.53	250.53
20	285.75	300.37	300.37
25	332.97	349.90	349.90
30	378.52	397.69	397.69
35	421.26	442.54	442.54
40	460.34	483.56	483.56
45	495.14	520.08	520.08
50	525.26	551.70	551.70
55	550.47	578.16	578.16
60	570.68	599.38	599.38
65	585.90	615.35	615.35
70	596.16	626.12	626.12
75	601.51	631.74	631.74
80	602.00	632.25	632.25
85	597.62	627.66	627.66
90	588.34	617.92	617.92
95	574.12	602.99	602.99
100	554.91	582.82	582.82
105	530.70	557.41	557.41
110	501.55	526.81	526.81
115	467.66	491.24	491.24
120	429.39	451.08	451.08
125	387.32	406.93	406.93
130	342.26	359.64	359.64
135	295.27	310.35	310.35
140	247.68	260.44	260.44
145	201.07	211.58	211.58
150	157.25	165.70	180.53
155	118.36	125.06	132.61
160	87.01	92.42	106.89
165	66.16	70.86	84.17
170	57.22	61.69	68.82
175	56.59	61.04	72.32

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	58.09	62.58	72.64
185	58.19	62.68	70.10
190	56.80	61.26	71.80
195	56.58	61.03	79.35
200	61.64	66.22	83.02
205	74.40	79.36	91.14
210	93.81	99.49	107.83
215	117.32	123.98	128.76
220	142.62	150.40	151.30
225	167.88	176.83	176.83
230	191.71	201.78	201.78
235	213.06	224.15	224.15
240	231.10	243.06	243.06
245	245.23	257.88	257.88
250	255.04	268.16	268.16
255	260.25	273.63	273.63
260	260.73	274.12	274.12
265	256.46	269.65	269.65
270	247.55	260.31	260.31
275	234.25	246.36	246.36
280	216.95	228.23	228.23
285	196.21	206.50	206.50
290	172.80	181.98	181.98
295	147.72	155.74	155.74
300	122.31	129.18	134.18
305	98.26	104.12	110.26
310	77.83	82.91	83.69
315	63.57	68.20	73.69
320	57.04	61.50	72.18
325	56.54	60.99	72.62
330	57.98	62.47	73.58
335	58.27	62.77	73.46
340	56.89	61.35	72.04
345	56.64	61.09	68.76
350	63.45	68.07	72.42
355	81.90	87.13	93.58

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau  
Federal Communications Commission