

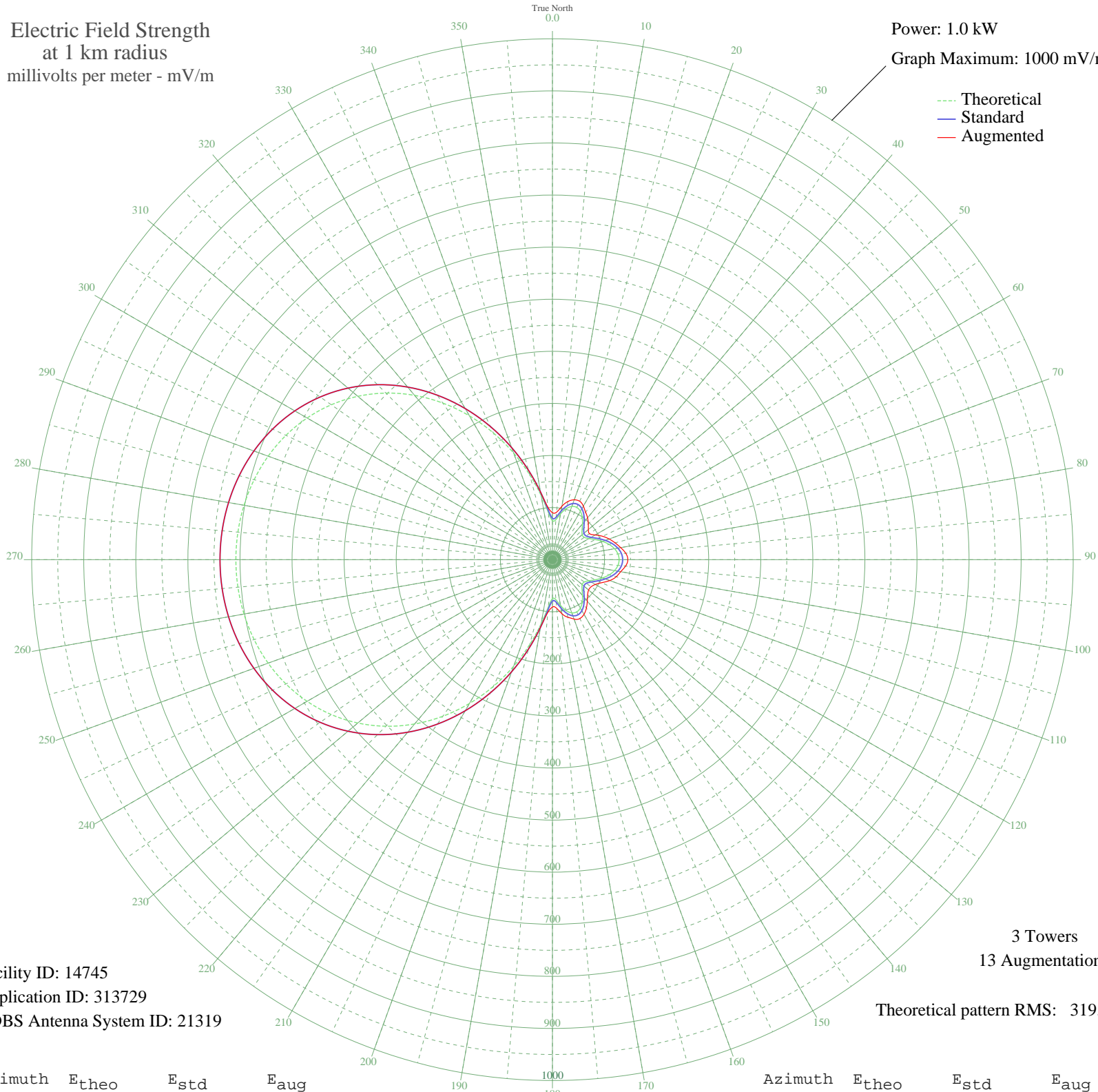
WATB DECATUR, GA BL-- 1420 kHz

Daytime

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: 14745
Application ID: 313729
CDBS Antenna System ID: 21319

3 Towers
13 Augmentations
Theoretical pattern RMS: 319.94

Azimuth	E _{theo}	E _{std}	E _{aug}
0	74.76	79.25	90.12
5	77.23	81.82	91.52
10	89.21	94.30	103.95
15	101.14	106.75	115.75
20	108.70	114.65	122.28
25	110.63	116.67	123.79
30	107.21	113.09	118.73
35	99.60	105.15	111.10
40	89.75	94.87	104.87
45	80.33	85.05	97.39
50	74.50	78.97	90.09
55	74.70	79.19	86.88
60	80.97	85.72	94.78
65	91.09	96.26	106.22
70	102.37	108.04	115.94
75	112.80	118.93	124.57
80	121.02	127.54	133.08
85	126.24	133.00	141.30
90	128.03	134.87	144.84
95	126.24	133.00	140.97
100	121.02	127.54	133.11
105	112.80	118.93	126.76
110	102.37	108.04	117.22
115	91.09	96.26	104.56
120	80.97	85.72	95.17
125	74.70	79.19	90.73
130	74.50	78.97	90.64
135	80.33	85.05	95.59
140	89.75	94.87	104.14
145	99.60	105.15	113.61
150	107.21	113.09	121.18
155	110.63	116.67	124.65
160	108.70	114.65	121.37
165	101.14	106.75	114.50
170	89.21	94.30	105.44
175	77.23	81.82	93.80

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

Azimuth	E _{theo}	E _{std}	E _{aug}
180	74.76	79.25	90.93
185	91.34	96.53	101.54
190	125.06	131.76	131.76
195	168.86	177.63	177.63
200	217.73	228.88	228.88
205	268.48	282.12	282.12
210	318.83	334.94	334.94
215	367.03	385.54	385.54
220	411.81	432.54	432.54
225	452.28	475.02	475.02
230	487.90	512.41	512.41
235	518.46	544.49	544.49
240	543.98	571.29	571.29
245	564.70	593.03	593.03
250	580.93	610.07	610.07
255	593.04	622.79	622.79
260	601.40	631.56	631.56
265	606.29	636.70	636.70
270	607.90	638.38	638.38
275	606.29	636.70	636.70
280	601.40	631.56	631.56
285	593.04	622.79	622.79
290	580.93	610.07	610.07
295	564.70	593.03	593.03
300	543.98	571.28	571.28
305	518.45	544.49	544.49
310	487.90	512.41	512.41
315	452.28	475.02	475.02
320	411.81	432.54	432.54
325	367.03	385.54	385.54
330	318.83	334.94	334.94
335	268.48	282.12	282.12
340	217.73	228.88	228.88
345	168.86	177.63	177.63
350	125.06	131.76	131.76
355	91.34	96.53	101.18