KLVZ BRIGHTON, CO BMML-20101213AIA 810 kHz

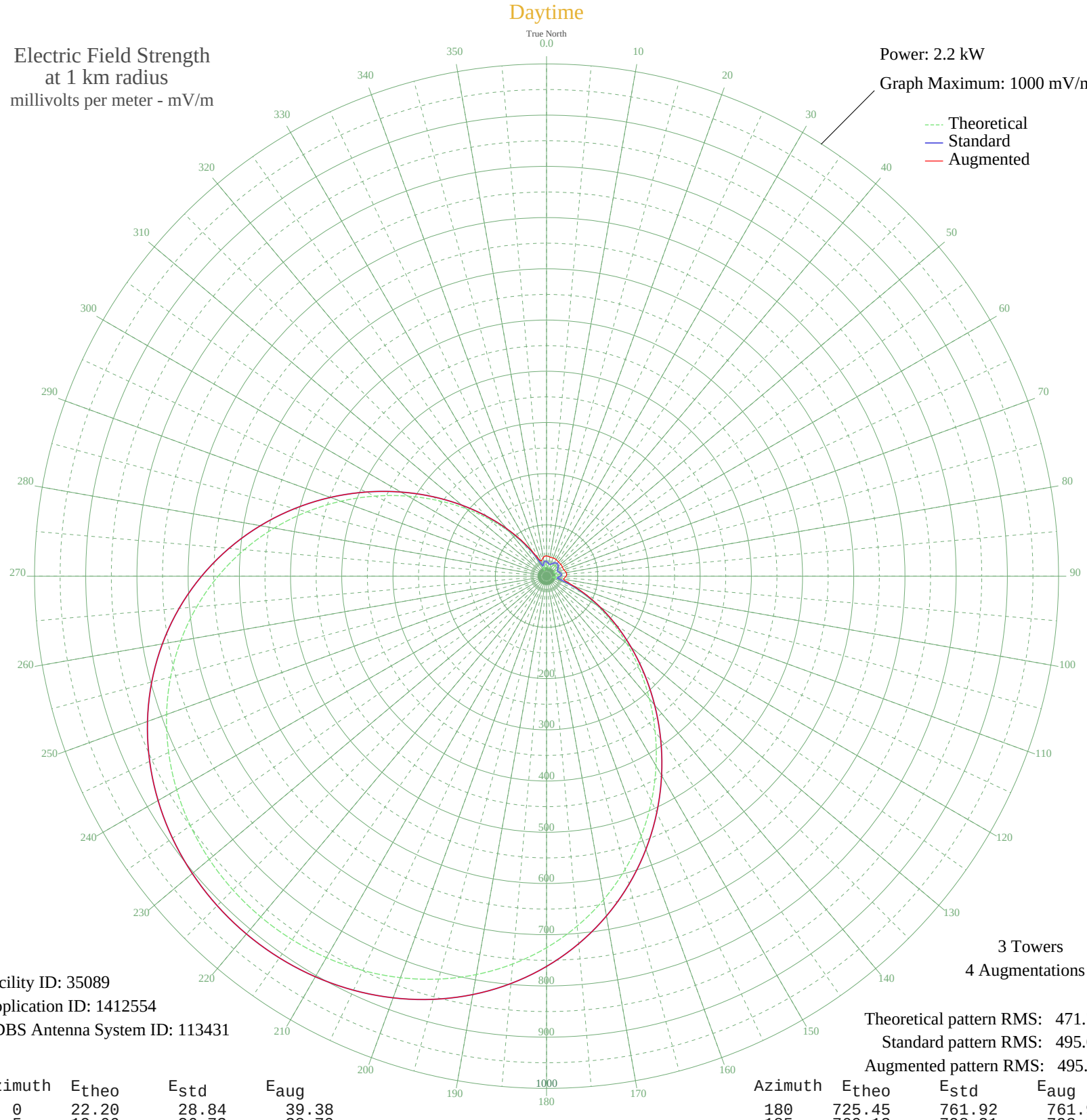
Daytime

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

Power: 2.2 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented



3 Towers
4 Augmentations

Facility ID: 35089
Application ID: 1412554
CDBS Antenna System ID: 113431

Theoretical pattern RMS: 471.72
Standard pattern RMS: 495.60
Augmented pattern RMS: 495.87

Azimuth	E_{theo}	E_{std}	E_{aug}
0	22.20	28.84	39.38
5	19.66	26.73	38.70
10	16.85	24.53	37.85
15	15.67	23.65	37.56
20	17.10	24.71	37.65
25	20.18	27.15	37.68
30	23.35	29.82	37.33
35	25.60	31.79	36.66
40	26.40	32.51	36.20
45	25.60	31.79	35.98
50	23.35	29.82	36.13
55	20.18	27.15	36.07
60	17.10	24.71	35.74
65	15.67	23.65	35.53
70	16.85	24.53	36.03
75	19.66	26.73	37.51
80	22.20	28.84	39.04
85	22.92	29.46	39.53
90	20.75	27.62	38.27
95	15.47	23.50	35.51
100	11.79	21.01	34.02
105	23.25	29.74	39.43
110	46.06	51.26	56.46
115	76.36	81.96	84.40
120	113.28	120.15	121.16
125	156.21	164.90	165.22
130	204.38	215.27	215.31
135	256.80	270.18	270.18
140	312.34	328.39	328.39
145	369.72	388.57	388.57
150	427.65	449.35	449.35
155	484.87	509.40	509.40
160	540.21	567.48	567.48
165	592.67	622.53	622.53
170	641.40	673.69	673.69
175	685.80	720.29	720.29
180	725.45	761.92	761.92
185	760.13	798.31	798.31
190	789.75	829.42	829.42
195	814.40	855.28	855.28
200	834.19	876.06	876.06
205	849.32	891.94	891.94
210	859.96	903.12	903.12
215	866.28	909.75	909.75
220	868.37	911.95	911.95
225	866.28	909.75	909.75
230	859.96	903.12	903.12
235	849.32	891.94	891.94
240	834.19	876.06	876.06
245	814.40	855.28	855.28
250	789.75	829.42	829.42
255	760.13	798.31	798.31
260	725.45	761.92	761.92
265	685.80	720.29	720.29
270	641.40	673.69	673.69
275	592.67	622.53	622.53
280	540.21	567.48	567.48
285	484.87	509.40	509.40
290	427.65	449.35	449.35
295	369.72	388.57	388.57
300	312.34	328.39	328.39
305	256.80	270.18	270.18
310	204.38	215.27	215.30
315	156.21	164.90	165.15
320	113.28	120.15	120.94
325	76.36	81.96	83.87
330	46.06	51.26	55.36
335	23.25	29.74	37.52
340	11.79	21.01	31.62
345	15.47	23.50	33.40
350	20.75	27.62	36.88
355	22.92	29.46	38.99

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.

15 Nov 2016

Prepared by Audio Division, Media Bureau
Federal Communications Commission