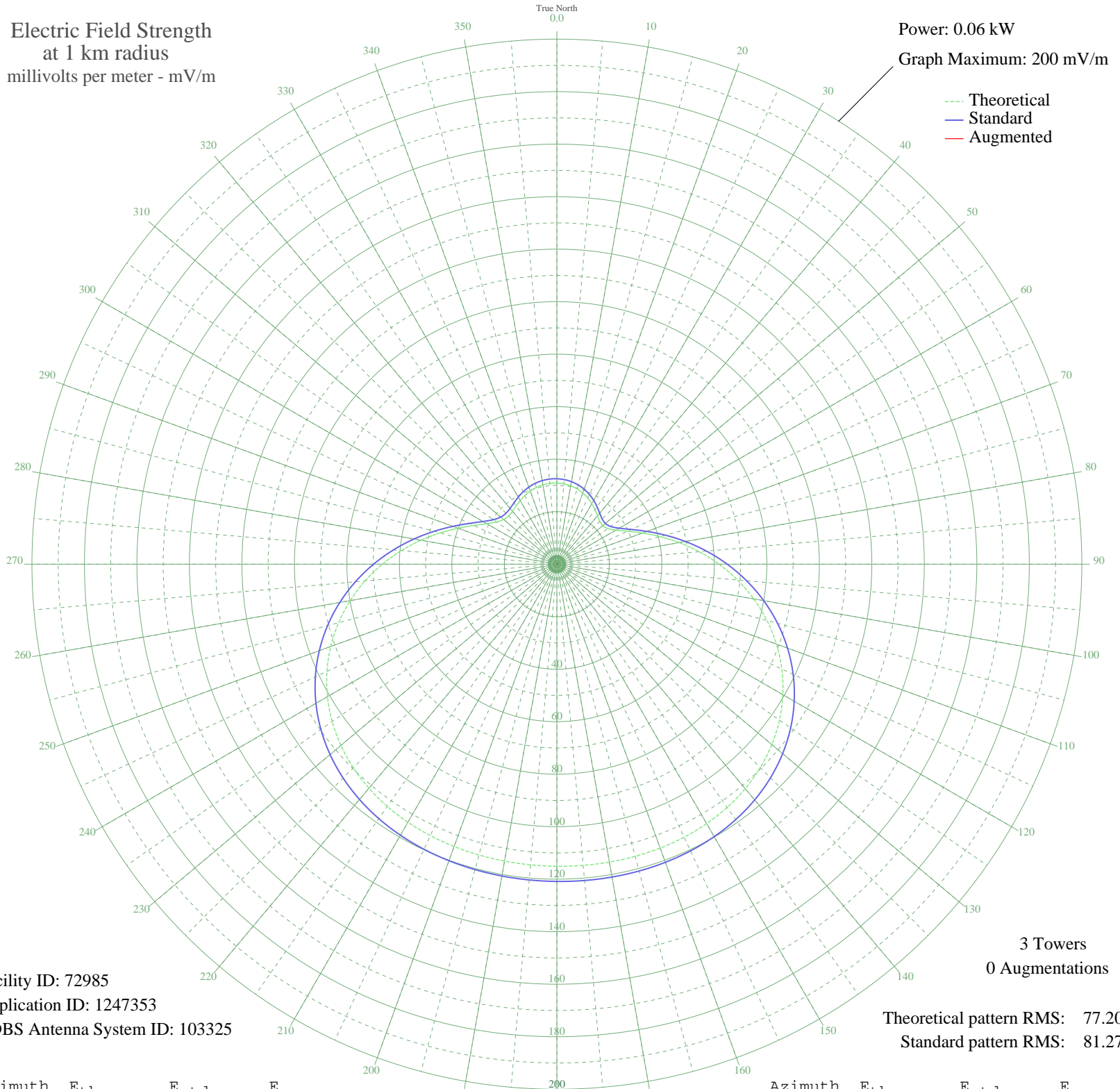


WIOO CARLISLE, PA BP-20040809AAO 1010 kHz

Nighttime

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

Power: 0.06 kW
Graph Maximum: 200 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 72985
Application ID: 1247353
CDBS Antenna System ID: 103325

3 Towers
0 Augmentations

Theoretical pattern RMS: 77.20
Standard pattern RMS: 81.27

Azimuth	E _{theo}	E _{std}	E _{aug}
0	30.89	32.54	
5	30.70	32.34	
10	30.30	31.92	
15	29.68	31.27	
20	28.85	30.40	
25	27.81	29.32	
30	26.60	28.05	
35	25.30	26.68	
40	24.04	25.38	
45	23.11	24.40	
50	22.86	24.14	
55	23.72	25.04	
60	25.98	27.40	
65	29.69	31.28	
70	34.66	36.48	
75	40.63	42.74	
80	47.31	49.74	
85	54.44	57.22	
90	61.76	64.90	
95	69.07	72.57	
100	76.16	80.01	
105	82.86	87.04	
110	89.04	93.52	
115	94.58	99.34	
120	99.42	104.42	
125	103.53	108.73	
130	106.90	112.28	
135	109.58	115.09	
140	111.62	117.23	
145	113.10	118.78	
150	114.11	119.84	
155	114.74	120.50	
160	115.08	120.86	
165	115.21	121.00	
170	115.22	121.01	
175	115.16	120.95	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	115.07	120.85	
185	114.96	120.74	
190	114.84	120.61	
195	114.69	120.45	
200	114.45	120.20	
205	114.09	119.82	
210	113.51	119.21	
215	112.64	118.30	
220	111.39	116.99	
225	109.67	115.18	
230	107.40	112.80	
235	104.50	109.75	
240	100.92	106.00	
245	96.66	101.52	
250	91.70	96.32	
255	86.10	90.45	
260	79.95	83.98	
265	73.35	77.06	
270	66.46	69.83	
275	59.47	62.49	
280	52.57	55.26	
285	46.02	48.39	
290	40.04	42.12	
295	34.91	36.75	
300	30.85	32.50	
305	28.04	29.55	
310	26.48	27.92	
315	26.00	27.43	
320	26.30	27.73	
325	27.04	28.51	
330	27.95	29.46	
335	28.85	30.41	
340	29.64	31.23	
345	30.25	31.87	
350	30.67	32.31	
355	30.89	32.53	

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