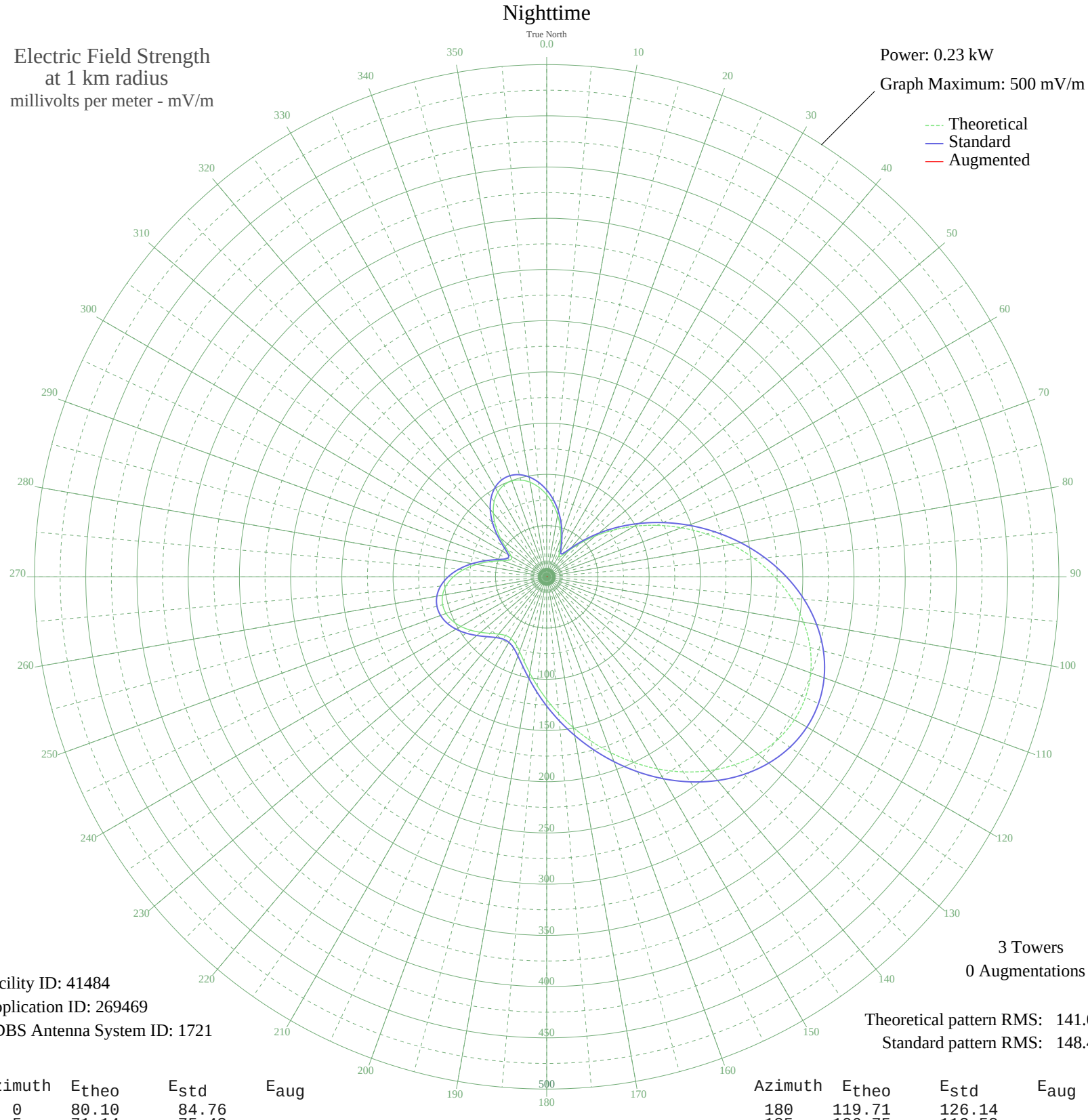
WGBG OCEAN CITY, MD BL-19980608KB 1590 kHz

Nighttime

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



Power: 0.23 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

3 Towers
0 Augmentations

Facility ID: 41484
Application ID: 269469
CDBS Antenna System ID: 1721

Theoretical pattern RMS: 141.03
Standard pattern RMS: 148.45

Azimuth	E_{theo}	E_{std}	E_{aug}
0	80.10	84.76	
5	71.14	75.43	
10	61.23	65.14	
15	50.73	54.29	
20	40.14	43.44	
25	30.39	33.60	
30	23.82	27.12	
35	24.51	27.79	
40	33.10	36.31	
45	46.29	49.72	
50	62.05	66.00	
55	79.64	84.28	
60	98.70	104.16	
65	118.92	125.31	
70	139.98	147.35	
75	161.44	169.83	
80	182.77	192.20	
85	203.39	213.82	
90	222.65	234.02	
95	239.93	252.14	
100	254.61	267.55	
105	266.20	279.71	
110	274.29	288.20	
115	278.65	292.77	
120	279.17	293.32	
125	275.96	289.95	
130	269.24	282.90	
135	259.42	272.59	
140	246.97	259.53	
145	232.46	244.31	
150	216.50	227.57	
155	199.70	209.94	
160	182.59	192.01	
165	165.69	174.29	
170	149.38	157.20	
175	133.98	141.07	

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

Azimuth	E_{theo}	E_{std}	E_{aug}
180	119.71	126.14	
185	106.75	112.58	
190	95.25	100.56	
195	85.44	90.32	
200	77.63	82.18	
205	72.22	76.56	
210	69.61	73.85	
215	69.96	74.20	
220	72.98	77.35	
225	78.05	82.62	
230	84.28	89.11	
235	90.80	95.92	
240	96.80	102.18	
245	101.57	107.17	
250	104.52	110.25	
255	105.18	110.93	
260	103.23	108.90	
265	98.53	103.99	
270	91.13	96.26	
275	81.31	86.02	
280	69.69	73.92	
285	57.31	61.08	
290	46.07	49.50	
295	39.20	42.48	
300	40.03	43.33	
305	47.88	51.36	
310	59.03	62.86	
315	70.60	74.87	
320	81.02	85.72	
325	89.45	94.51	
330	95.44	100.76	
335	98.81	104.28	
340	99.54	105.05	
345	97.78	103.21	
350	93.75	99.00	
355	87.75	92.73	