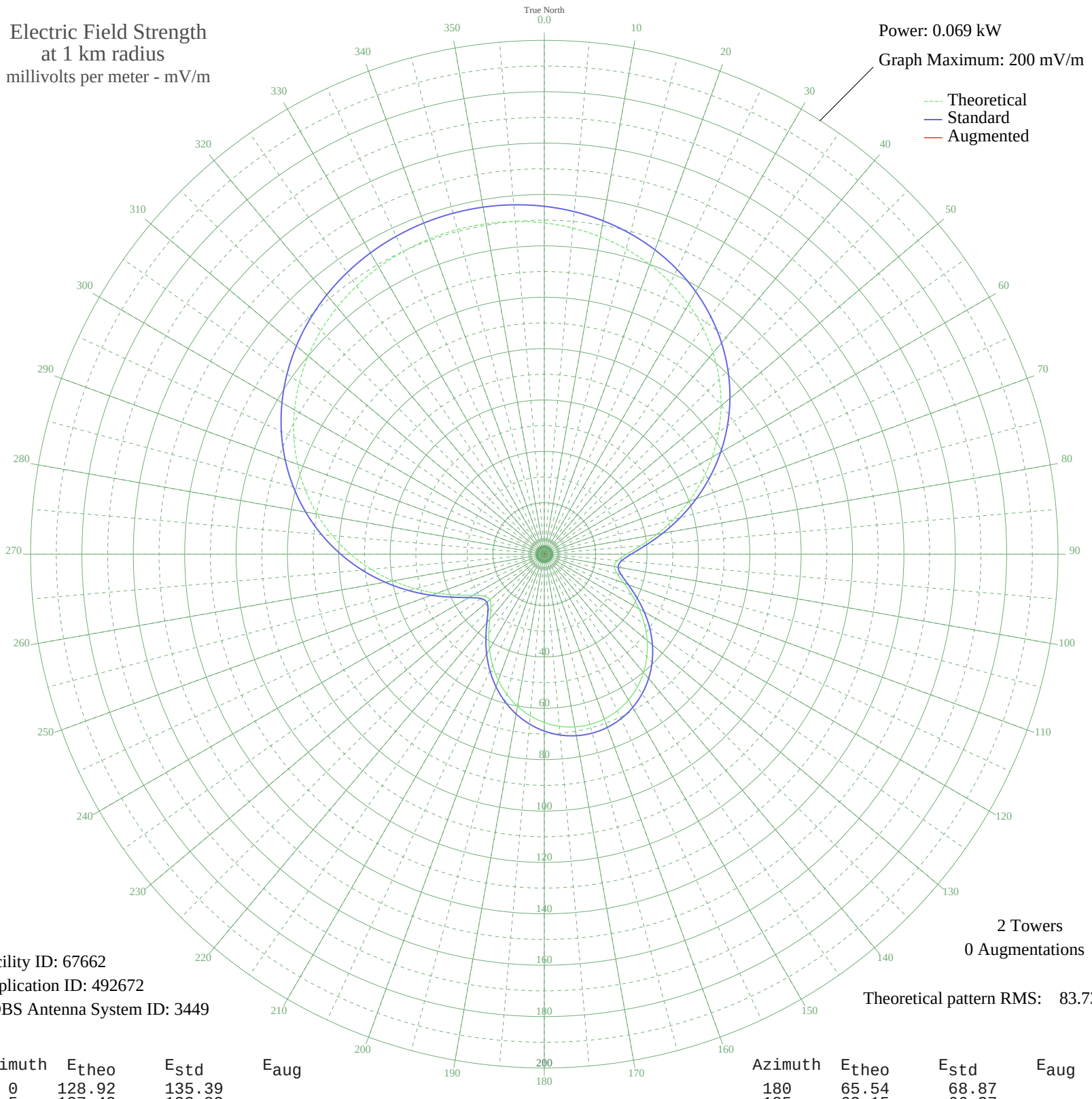
WAVL APOLLO, PA BL-19781116AB 910 kHz

Nighttime

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



Power: 0.069 kW

Graph Maximum: 200 mV/m

Theoretical
Standard
Augmented

Facility ID: 67662
Application ID: 492672
CDBS Antenna System ID: 3449

2 Towers
0 Augmentations

Theoretical pattern RMS: 83.73

Azimuth	E_{theo}	E_{std}	E_{aug}
0	128.92	135.39	
5	127.42	133.82	
10	125.46	131.76	
15	122.99	129.17	
20	119.99	126.02	
25	116.42	122.28	
30	112.28	117.93	
35	107.54	112.96	
40	102.21	107.35	
45	96.28	101.14	
50	89.81	94.34	
55	82.84	87.02	
60	75.44	79.27	
65	67.74	71.18	
70	59.87	62.92	
75	52.03	54.70	
80	44.49	46.80	
85	37.66	39.65	
90	32.10	33.83	
95	28.56	30.12	
100	27.67	29.19	
105	29.40	31.00	
110	33.02	34.79	
115	37.66	39.64	
120	42.66	44.88	
125	47.61	50.07	
130	52.27	54.95	
135	56.46	59.35	
140	60.11	63.18	
145	63.15	66.37	
150	65.54	68.87	
155	67.25	70.67	
160	68.29	71.76	
165	68.64	72.12	
170	68.29	71.76	
175	67.25	70.67	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	65.54	68.87	
185	63.15	66.37	
190	60.11	63.18	
195	56.46	59.35	
200	52.27	54.95	
205	47.61	50.07	
210	42.66	44.88	
215	37.66	39.64	
220	33.02	34.79	
225	29.40	31.00	
230	27.67	29.19	
235	28.56	30.12	
240	32.10	33.83	
245	37.66	39.65	
250	44.49	46.80	
255	52.03	54.70	
260	59.87	62.92	
265	67.74	71.18	
270	75.44	79.27	
275	82.84	87.02	
280	89.81	94.34	
285	96.28	101.14	
290	102.21	107.35	
295	107.54	112.96	
300	112.28	117.93	
305	116.42	122.28	
310	119.99	126.02	
315	122.99	129.17	
320	125.46	131.76	
325	127.42	133.82	
330	128.92	135.39	
335	129.97	136.49	
340	130.59	137.15	
345	130.79	137.36	
350	130.59	137.15	
355	129.97	136.49	

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission