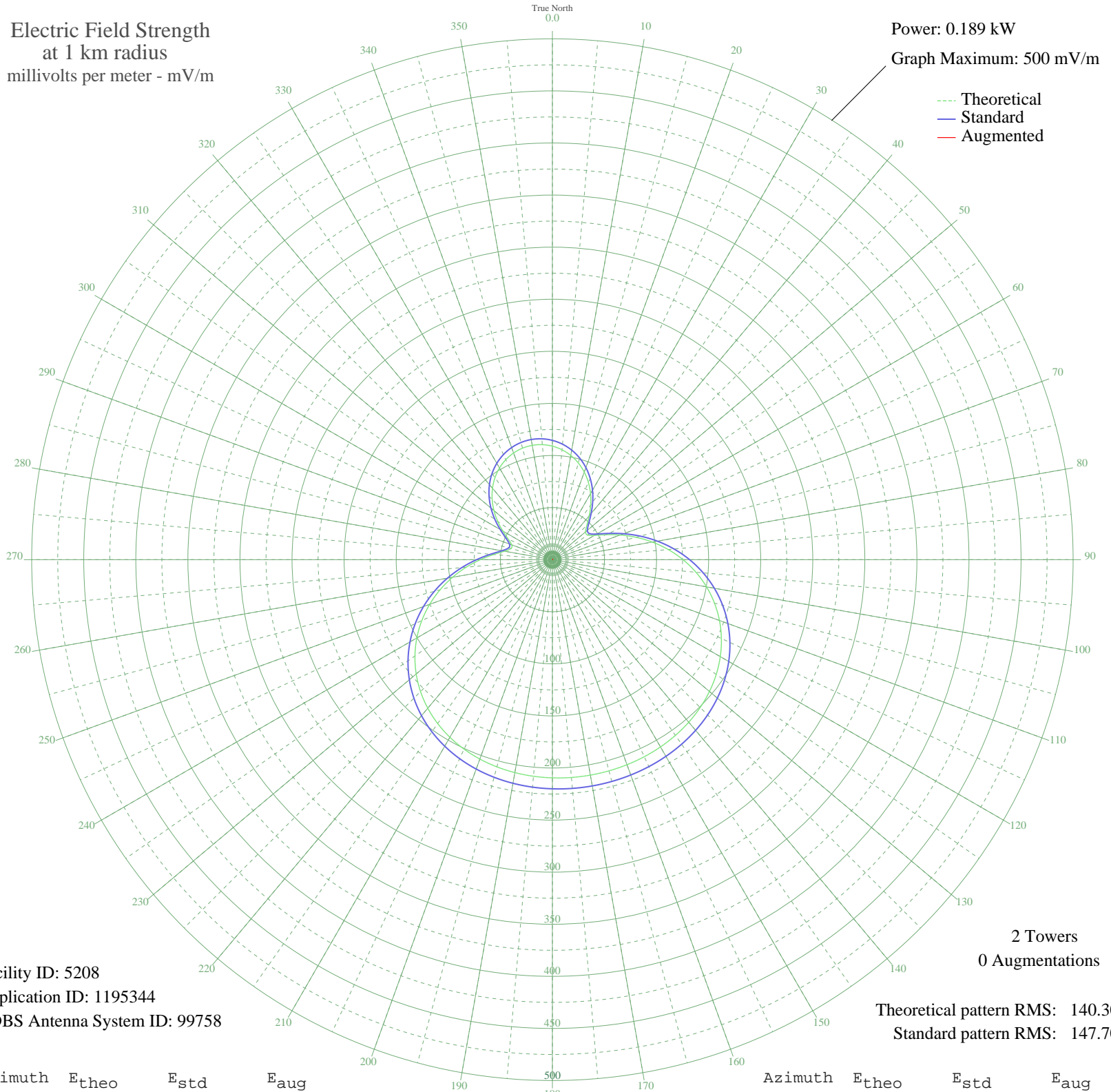


# WNYG MEDFORD, NY BP-20070601BDE 1440 kHz

Nighttime

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

Power: 0.189 kW  
Graph Maximum: 500 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 5208  
Application ID: 1195344  
CDBS Antenna System ID: 99758

2 Towers  
0 Augmentations

Theoretical pattern RMS: 140.30  
Standard pattern RMS: 147.70

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	108.97	114.51	
5	105.89	111.28	
10	101.60	106.78	
15	96.11	101.02	
20	89.47	94.05	
25	81.77	85.98	
30	73.20	77.00	
35	64.06	67.42	
40	54.92	57.84	
45	46.82	49.37	
50	41.53	43.85	
55	41.21	43.51	
60	46.67	49.21	
65	56.59	59.60	
70	69.16	72.77	
75	83.04	87.32	
80	97.39	102.36	
85	111.63	117.30	
90	125.38	131.73	
95	138.34	145.33	
100	150.30	157.89	
105	161.12	169.24	
110	170.72	179.31	
115	179.05	188.06	
120	186.14	195.51	
125	192.06	201.71	
130	196.87	206.77	
135	200.71	210.79	
140	203.68	213.91	
145	205.93	216.27	
150	207.57	217.99	
155	208.71	219.20	
160	209.46	219.98	
165	209.88	220.42	
170	210.01	220.56	
175	209.88	220.42	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	209.46	219.98	
185	208.71	219.20	
190	207.57	217.99	
195	205.93	216.27	
200	203.68	213.91	
205	200.71	210.79	
210	196.87	206.77	
215	192.06	201.71	
220	186.14	195.51	
225	179.05	188.06	
230	170.72	179.31	
235	161.12	169.24	
240	150.30	157.89	
245	138.34	145.33	
250	125.38	131.73	
255	111.63	117.30	
260	97.39	102.36	
265	83.04	87.32	
270	69.16	72.77	
275	56.59	59.60	
280	46.67	49.21	
285	41.21	43.51	
290	41.53	43.85	
295	46.82	49.37	
300	54.92	57.84	
305	64.06	67.42	
310	73.20	77.00	
315	81.77	85.98	
320	89.47	94.05	
325	96.11	101.02	
330	101.60	106.78	
335	105.89	111.28	
340	108.97	114.51	
345	110.82	116.45	
350	111.43	117.09	
355	110.82	116.45	

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.

17 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission