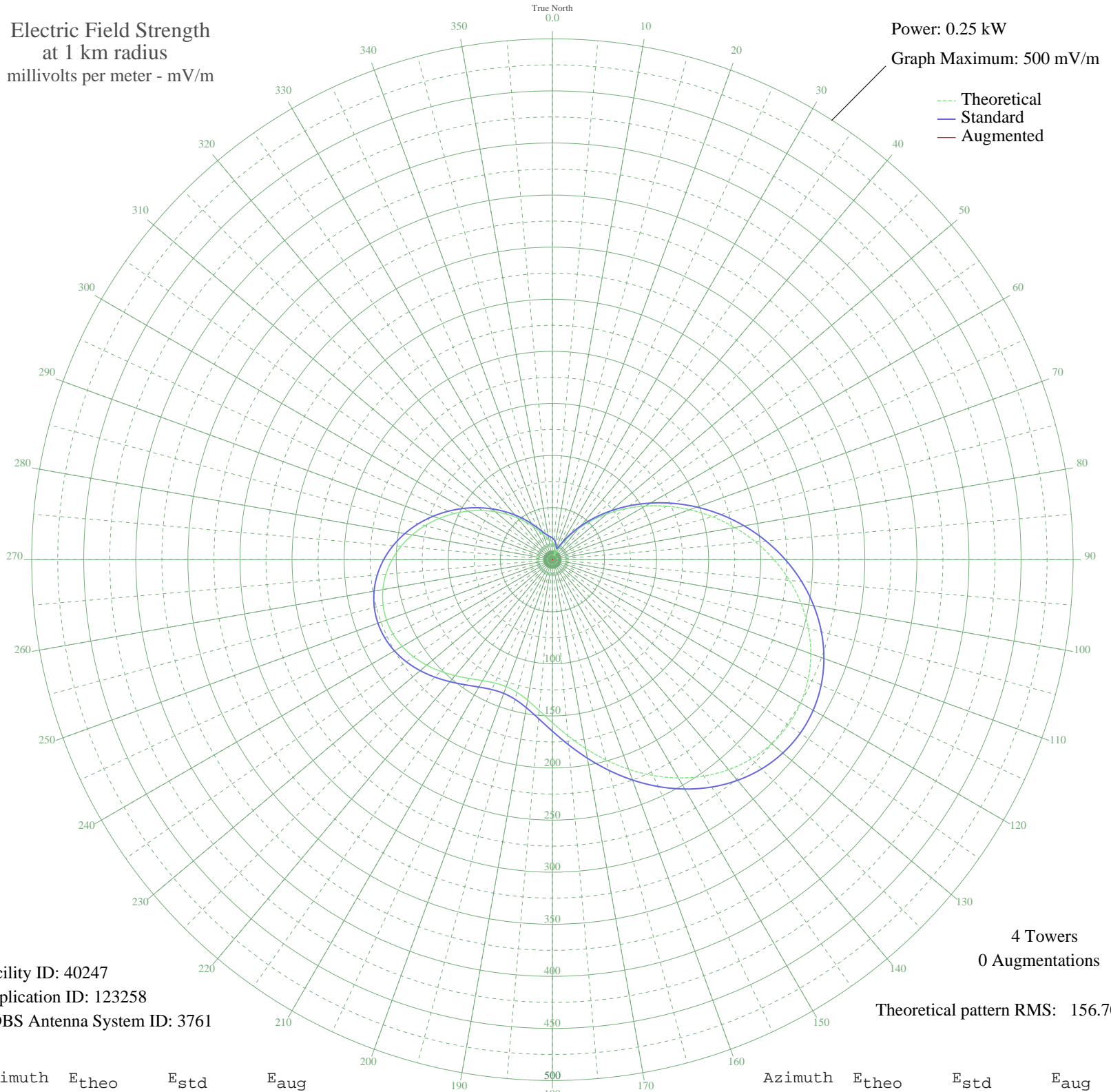


# WKYK BURNSVILLE, NC BL-19890130AG 940 kHz

Nighttime

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

Power: 0.25 kW  
Graph Maximum: 500 mV/m



--- Theoretical  
— Standard  
— Augmented

4 Towers  
0 Augmentations

Theoretical pattern RMS: 156.70

Facility ID: 40247  
Application ID: 123258  
CDBS Antenna System ID: 3761

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	17.09	20.80	
5	15.31	19.20	
10	12.59	16.88	
15	8.70	13.91	
20	4.37	11.46	
25	6.73	12.66	
30	15.27	19.16	
35	26.07	29.32	
40	38.67	41.94	
45	52.86	56.48	
50	68.45	72.64	
55	85.24	90.11	
60	102.98	108.64	
65	121.41	127.91	
70	140.23	147.61	
75	159.13	167.41	
80	177.77	186.95	
85	195.79	205.85	
90	212.84	223.72	
95	228.53	240.19	
100	242.52	254.86	
105	254.45	267.38	
110	264.04	277.44	
115	271.01	284.76	
120	275.20	289.15	
125	276.48	290.49	
130	274.84	288.77	
135	270.35	284.07	
140	263.19	276.55	
145	253.60	266.49	
150	241.94	254.26	
155	228.64	240.30	
160	214.17	225.13	
165	199.10	209.32	
170	184.02	193.51	
175	169.60	178.38	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	156.51	164.67	
185	145.46	153.09	
190	137.07	144.30	
195	131.78	138.76	
200	129.73	136.62	
205	130.69	137.63	
210	134.10	141.19	
215	139.22	146.56	
220	145.28	152.91	
225	151.58	159.51	
230	157.52	165.73	
235	162.62	171.07	
240	166.48	175.12	
245	168.83	177.58	
250	169.48	178.26	
255	168.30	177.03	
260	165.28	173.86	
265	160.46	168.81	
270	153.96	162.00	
275	145.96	153.62	
280	136.72	143.94	
285	126.51	133.25	
290	115.64	121.87	
295	104.42	110.15	
300	93.16	98.38	
305	82.12	86.87	
310	71.53	75.83	
315	61.55	65.47	
320	52.33	55.94	
325	44.00	47.38	
330	36.68	39.92	
335	30.51	33.71	
340	25.64	28.90	
345	22.15	25.52	
350	19.89	23.37	
355	18.41	22.00	

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission