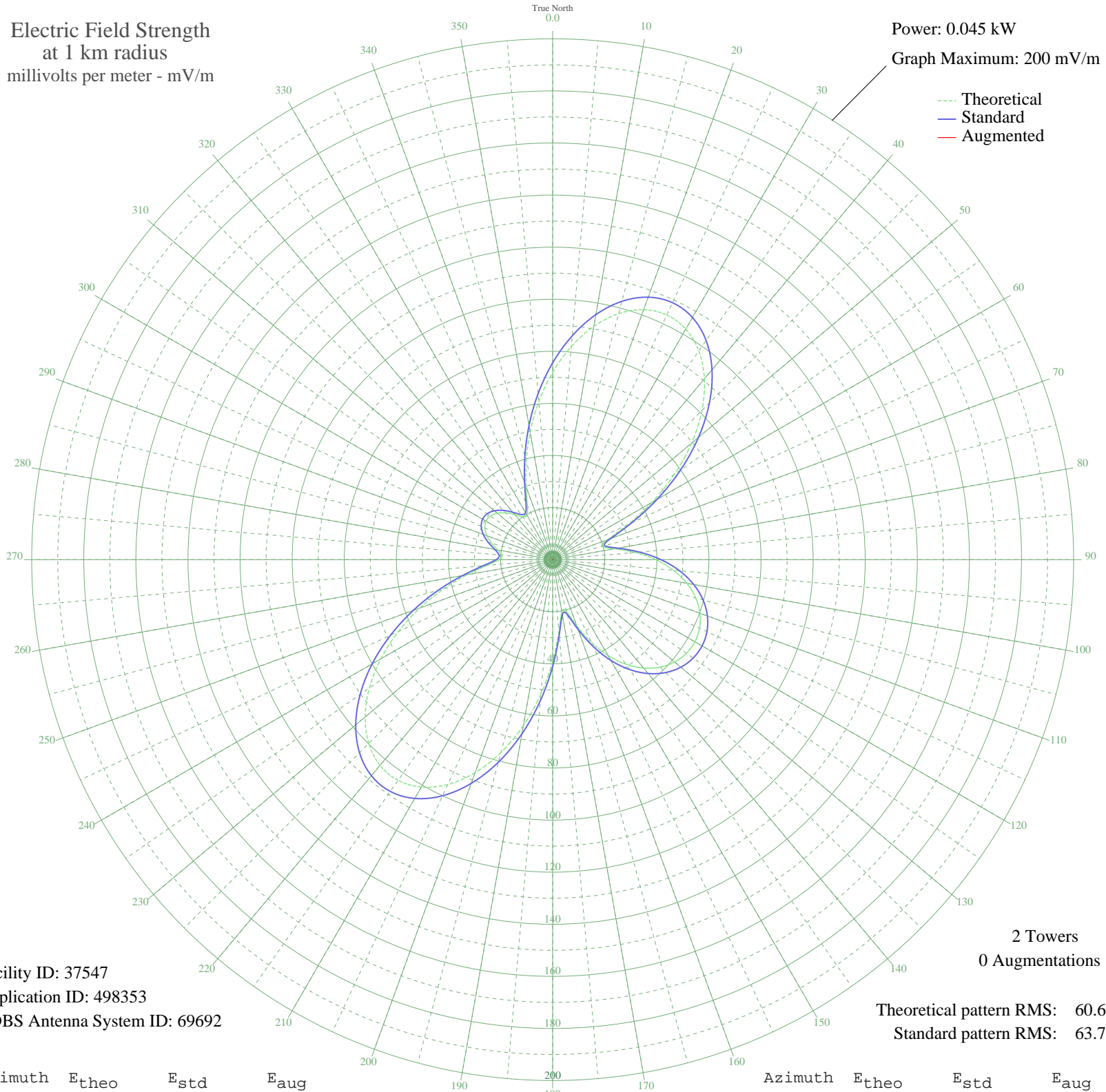


# WSOM SALEM, OH BL-20000410ACH 600 kHz

Nighttime

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

Power: 0.045 kW  
Graph Maximum: 200 mV/m



Facility ID: 37547  
Application ID: 498353  
CDBS Antenna System ID: 69692

2 Towers  
0 Augmentations

Theoretical pattern RMS: 60.60  
Standard pattern RMS: 63.70

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	71.94	75.57	
5	82.17	86.30	
10	90.97	95.54	
15	97.78	102.70	
20	102.13	107.26	
25	103.67	108.88	
30	102.23	107.36	
35	97.81	102.72	
40	90.62	95.18	
45	81.04	85.12	
50	69.61	73.12	
55	56.99	59.88	
60	44.01	46.27	
65	31.81	33.47	
70	22.42	23.65	
75	19.57	20.67	
80	24.12	25.43	
85	31.74	33.41	
90	39.55	41.59	
95	46.53	48.91	
100	52.35	55.01	
105	56.89	59.78	
110	60.17	63.22	
115	62.22	65.36	
120	63.05	66.24	
125	62.69	65.87	
130	61.14	64.23	
135	58.36	61.32	
140	54.32	57.08	
145	49.01	51.51	
150	42.47	44.65	
155	34.93	36.74	
160	27.03	28.47	
165	20.71	21.86	
170	20.28	21.41	
175	27.54	29.00	

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.

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	38.96	40.96	
185	51.79	54.43	
190	64.66	67.93	
195	76.66	80.52	
200	87.05	91.43	
205	95.25	100.04	
210	100.81	105.87	
215	103.46	108.65	
220	103.10	108.28	
225	99.84	104.86	
230	93.96	98.69	
235	85.89	90.21	
240	76.16	80.00	
245	65.38	68.69	
250	54.20	56.95	
255	43.28	45.50	
260	33.38	35.12	
265	25.41	26.78	
270	20.55	21.70	
275	19.54	20.64	
280	21.39	22.57	
285	24.25	25.56	
290	26.88	28.32	
295	28.72	30.24	
300	29.51	31.06	
305	29.17	30.71	
310	27.73	29.21	
315	25.37	26.73	
320	22.50	23.73	
325	20.04	21.16	
330	19.70	20.80	
335	23.03	24.28	
340	29.90	31.47	
345	39.16	41.17	
350	49.76	52.30	
355	60.92	64.01	

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission