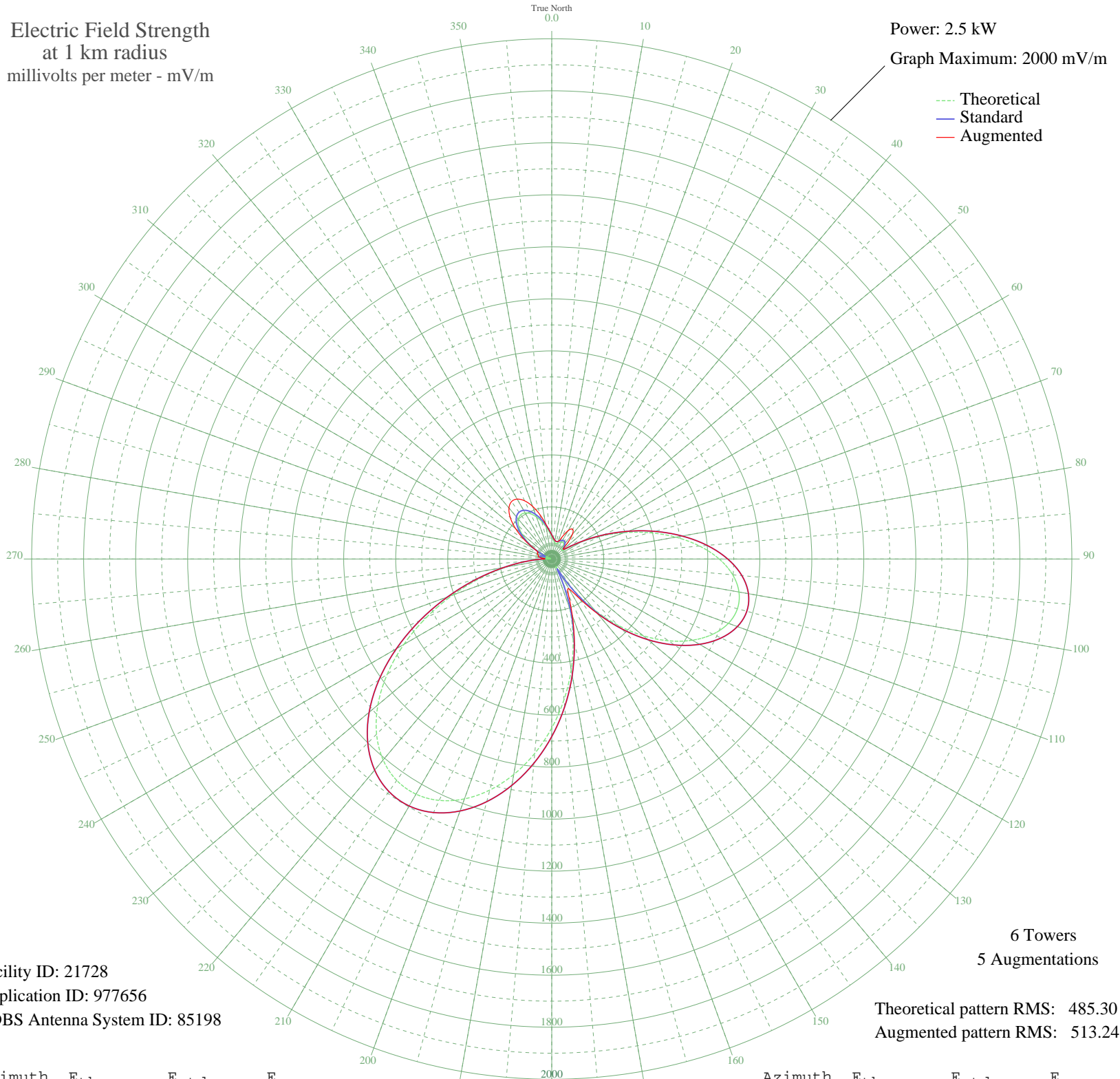


WOWW GERMANTOWN, TN BL-20040107ANH 1430 kHz

Nighttime

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

Power: 2.5 kW
Graph Maximum: 2000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 21728
Application ID: 977656
CDBS Antenna System ID: 85198

6 Towers
5 Augmentations

Theoretical pattern RMS: 485.30
Augmented pattern RMS: 513.24

Azimuth	E _{theo}	E _{std}	E _{aug}
0	85.12	92.91	92.91
5	72.03	79.77	79.77
10	64.17	72.00	72.00
15	61.64	69.52	69.52
20	64.03	71.86	71.86
25	69.55	77.31	91.23
30	75.03	82.77	125.64
35	76.75	84.49	140.00
40	71.58	79.33	123.40
45	59.04	66.98	82.66
50	49.59	57.92	57.92
55	72.79	80.53	80.53
60	129.91	138.74	138.74
65	206.69	218.51	218.51
70	295.53	311.34	311.34
75	390.15	410.44	410.44
80	484.09	508.93	508.93
85	570.77	599.84	599.84
90	644.02	676.70	676.70
95	698.69	734.06	734.06
100	731.08	768.05	768.05
105	739.24	776.61	776.61
110	723.02	759.60	759.60
115	683.88	718.52	718.52
120	624.48	656.20	656.20
125	548.26	576.23	576.23
130	458.89	482.50	482.50
135	359.91	378.75	378.75
140	254.46	268.39	274.25
145	145.52	154.88	184.51
150	42.62	51.44	132.25
155	91.13	98.99	152.74
160	203.32	214.99	231.16
165	317.60	334.45	336.24
170	431.24	453.51	453.51
175	542.60	570.30	570.30

Azimuth	E _{theo}	E _{std}	E _{aug}
180	649.76	682.72	682.72
185	750.29	788.21	788.21
190	841.30	883.73	883.73
195	919.53	965.84	965.84
200	981.54	1030.93	1030.93
205	1024.00	1075.49	1075.49
210	1043.96	1096.45	1096.45
215	1039.23	1091.49	1091.49
220	1008.69	1059.43	1059.43
225	952.55	1000.50	1000.50
230	872.62	916.60	916.60
235	772.32	811.33	811.33
240	656.66	689.96	689.96
245	531.98	559.16	559.16
250	405.47	426.50	426.50
255	284.59	299.90	299.90
260	176.40	186.95	186.95
265	86.86	94.67	94.67
270	20.48	33.26	33.26
275	22.29	34.51	35.28
280	39.19	48.34	52.34
285	33.98	43.78	52.78
290	10.83	27.80	59.50
295	25.36	36.78	57.73
300	67.79	75.56	75.71
305	110.97	119.25	127.50
310	149.72	159.24	181.20
315	180.12	190.82	225.69
320	199.72	211.24	255.91
325	207.62	219.47	269.41
330	204.36	216.07	265.88
335	191.69	202.86	246.82
340	172.20	182.58	215.48
345	148.96	158.45	176.90
350	125.04	133.72	138.55
355	103.12	111.21	111.21

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.

14 Nov 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission