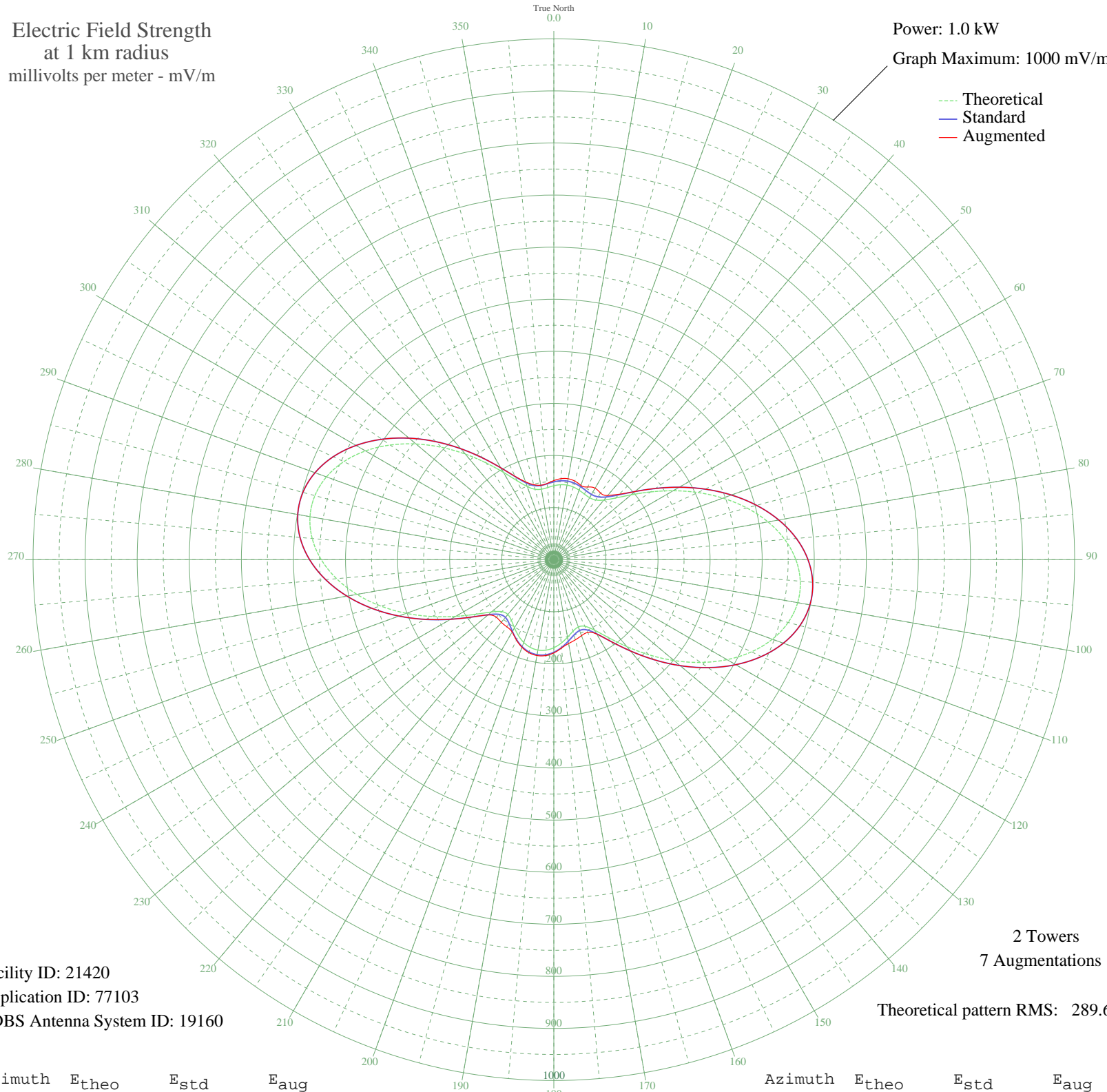


WOYL OIL CITY, PA BL-19850322AG 1340 kHz

Daytime

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

Power: 1.0 kW
Graph Maximum: 1000 mV/m



--- Theoretical
— Standard
— Augmented

Facility ID: 21420
Application ID: 77103
CDBS Antenna System ID: 19160

2 Towers
7 Augmentations

Theoretical pattern RMS: 289.68

Azimuth	E _{theo}	E _{std}	E _{aug}
0	141.91	149.37	151.81
5	144.44	152.03	156.09
10	145.40	153.03	157.75
15	144.44	152.03	156.09
20	141.91	149.37	151.81
25	138.90	146.22	153.95
30	137.36	144.61	158.49
35	139.95	147.32	156.20
40	149.39	157.21	160.93
45	167.31	175.99	177.66
50	193.59	203.54	203.54
55	226.74	238.31	238.31
60	264.65	278.09	278.09
65	305.00	320.42	320.42
70	345.45	362.87	362.87
75	383.70	403.02	403.02
80	417.59	438.59	438.59
85	445.14	467.51	467.51
90	464.69	488.04	488.04
95	475.03	498.90	498.90
100	475.45	499.33	499.33
105	465.81	489.21	489.21
110	446.58	469.03	469.03
115	418.79	439.86	439.86
120	383.98	403.31	403.31
125	344.07	361.42	361.42
130	301.33	316.57	316.57
135	258.27	271.39	271.39
140	217.68	228.80	228.80
145	182.60	192.02	192.02
150	156.26	164.40	164.91
155	141.15	148.58	154.10
160	137.44	144.70	155.28
165	142.21	149.69	159.38
170	151.23	159.13	163.51
175	160.94	169.32	170.23

Azimuth	E _{theo}	E _{std}	E _{aug}
180	169.09	177.85	179.06
185	174.39	183.41	184.92
190	176.22	185.32	186.94
195	174.39	183.41	184.92
200	169.09	177.85	179.06
205	160.94	169.32	170.10
210	151.23	159.13	160.26
215	142.21	149.69	157.30
220	137.44	144.70	156.91
225	141.15	148.58	156.19
230	156.26	164.40	165.15
235	182.60	192.02	192.02
240	217.68	228.80	228.80
245	258.27	271.39	271.39
250	301.33	316.57	316.57
255	344.07	361.42	361.42
260	383.98	403.31	403.31
265	418.79	439.86	439.86
270	446.58	469.03	469.03
275	465.81	489.21	489.21
280	475.45	499.33	499.33
285	475.03	498.90	498.90
290	464.69	488.04	488.04
295	445.14	467.51	467.51
300	417.59	438.59	438.59
305	383.70	403.02	403.02
310	345.45	362.87	362.87
315	305.00	320.42	320.42
320	264.65	278.09	278.09
325	226.74	238.31	238.31
330	193.59	203.54	203.54
335	167.31	175.99	176.62
340	149.39	157.21	159.00
345	139.95	147.32	149.06
350	137.36	144.61	145.13
355	138.90	146.22	146.95

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.

04 Jul 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission