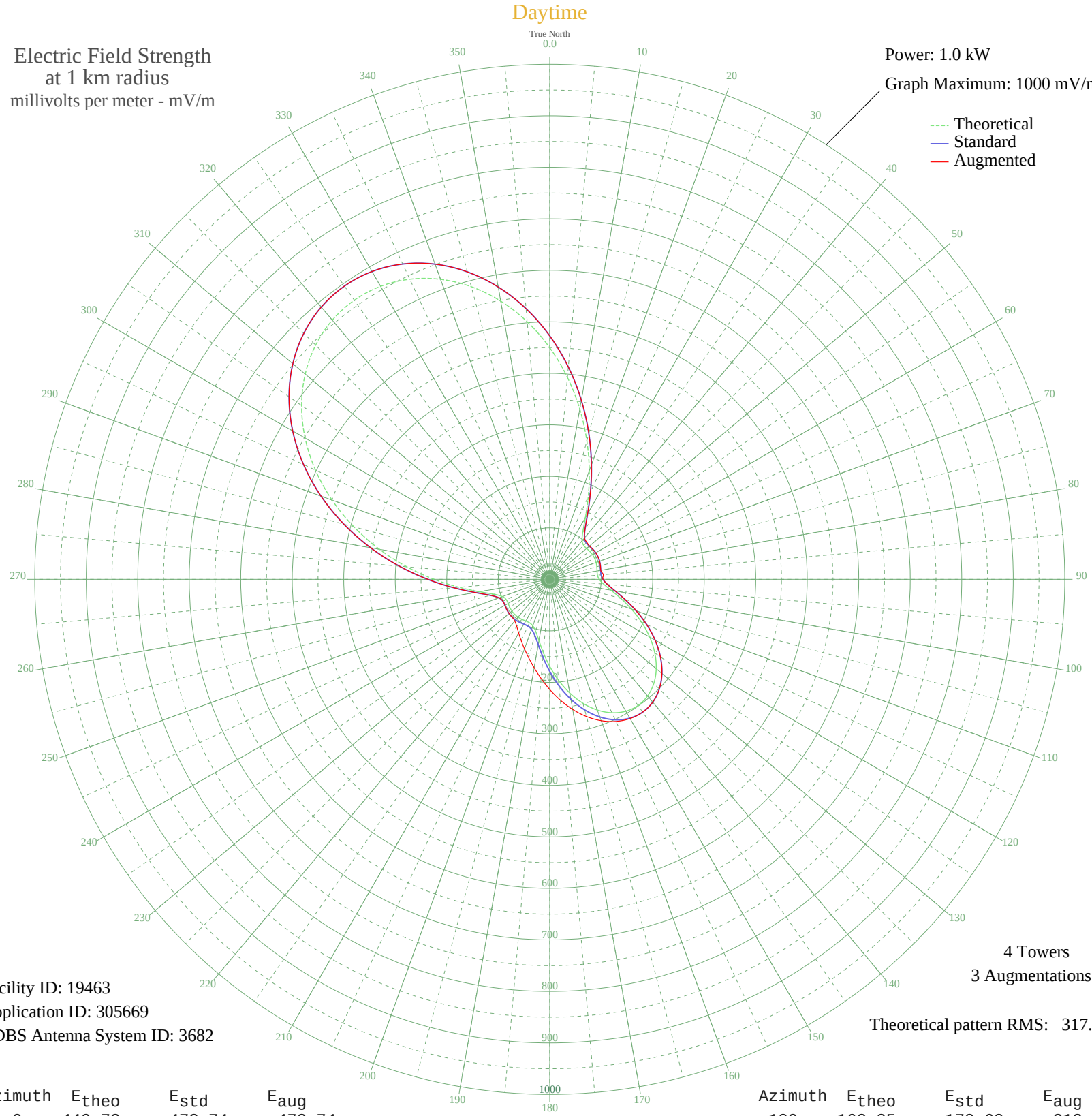
WEOL ELYRIA, OH BL-- 930 kHz

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

4 Towers
3 Augmentations

Facility ID: 19463
Application ID: 305669
CDBS Antenna System ID: 3682

Theoretical pattern RMS: 317.04

Azimuth	E_{theo}	E_{std}	E_{aug}
0	449.73	472.74	472.74
5	393.62	413.90	413.90
10	335.70	353.19	353.19
15	278.41	293.18	293.18
20	224.47	236.74	236.74
25	176.81	186.98	186.98
30	138.44	147.05	147.05
35	111.90	119.58	119.58
40	97.75	105.03	105.03
45	93.14	100.29	101.84
50	93.33	100.49	100.49
55	94.77	101.96	101.96
60	95.85	103.08	103.08
65	96.18	103.42	103.42
70	95.74	102.96	102.96
75	94.63	101.82	101.82
80	93.30	100.46	100.46
85	93.04	100.19	104.45
90	96.08	103.31	103.31
95	104.92	112.39	112.39
100	120.73	128.71	128.71
105	142.73	151.51	151.51
110	168.85	178.68	178.68
115	196.69	207.72	207.72
120	224.04	236.29	236.29
125	248.97	262.37	262.37
130	269.95	284.32	284.32
135	285.76	300.88	300.88
140	295.59	311.16	311.16
145	298.92	314.65	314.65
150	295.59	311.16	312.04
155	285.76	300.88	304.35
160	269.95	284.32	292.00
165	248.97	262.37	275.69
170	224.04	236.29	256.41
175	196.69	207.72	235.35

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.

24 Jan 2006

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	168.85	178.68	213.83
185	142.73	151.51	193.12
190	120.73	128.71	174.24
195	104.92	112.39	157.71
200	96.08	103.31	143.48
205	93.04	100.19	131.18
210	93.30	100.46	120.49
215	94.63	101.82	111.66
220	95.74	102.96	105.58
225	96.18	103.42	103.42
230	95.85	103.08	103.08
235	94.77	101.96	101.96
240	93.33	100.49	100.49
245	93.14	100.29	100.29
250	97.75	105.03	105.03
255	111.90	119.58	119.58
260	138.44	147.05	147.05
265	176.81	186.98	186.98
270	224.47	236.74	236.74
275	278.41	293.18	293.18
280	335.70	353.19	353.19
285	393.62	413.90	413.90
290	449.73	472.74	472.74
295	501.94	527.50	527.50
300	548.53	576.38	576.38
305	588.17	617.98	617.98
310	619.86	651.24	651.24
315	642.93	675.45	675.45
320	656.93	690.14	690.14
325	661.62	695.06	695.06
330	656.93	690.14	690.14
335	642.93	675.45	675.45
340	619.86	651.24	651.24
345	588.17	617.98	617.98
350	548.53	576.38	576.38
355	501.94	527.50	527.50