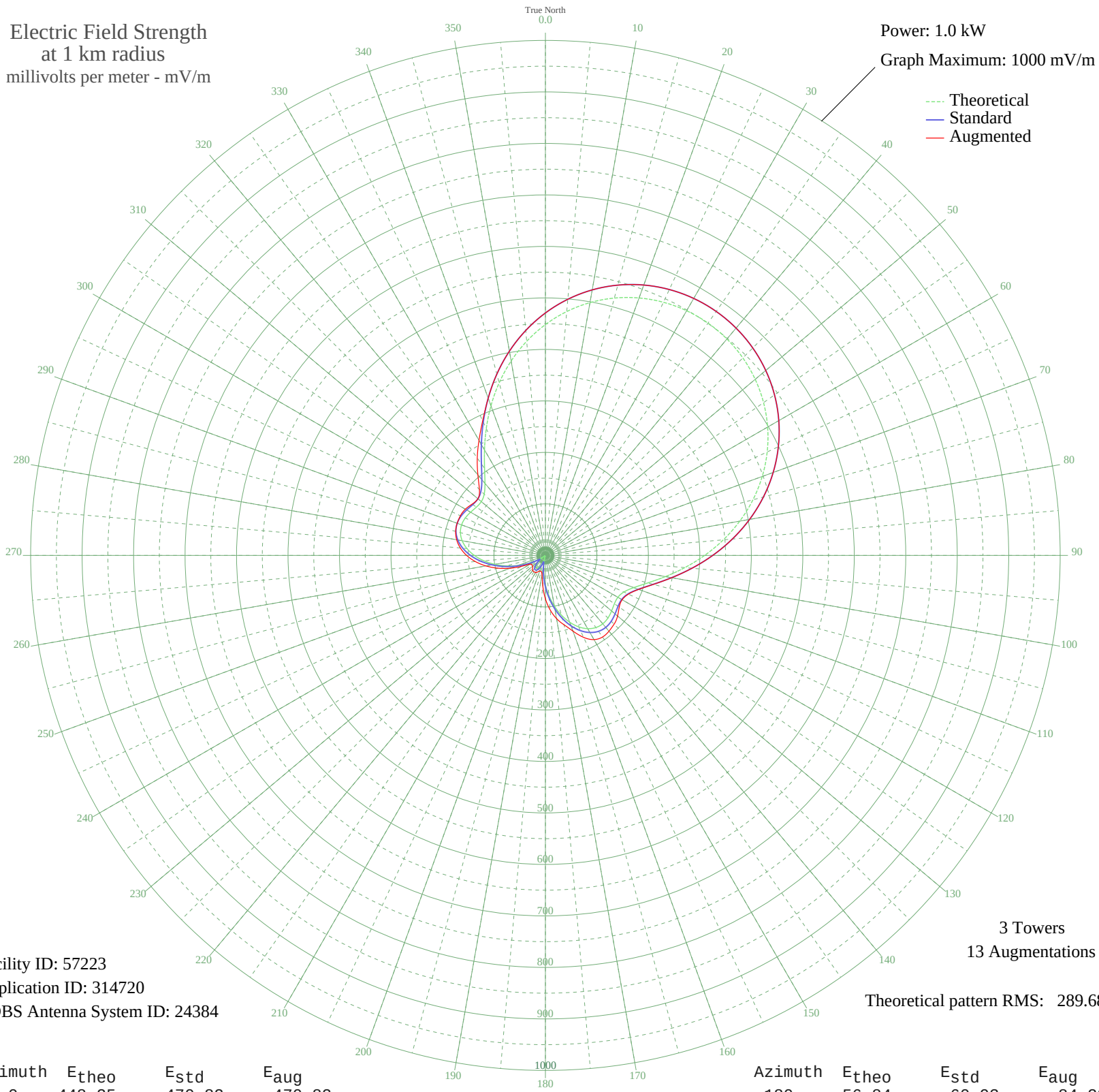
WJMS IRONWOOD, MI BL-- 590 kHz

Nighttime



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

Power: 1.0 kW

Graph Maximum: 1000 mV/m

Theoretical
Standard
Augmented

3 Towers
13 Augmentations

Facility ID: 57223
Application ID: 314720
CDBS Antenna System ID: 24384

Theoretical pattern RMS: 289.68

Azimuth	E_{theo}	E_{std}	E_{aug}
0	448.25	470.82	470.82
5	475.37	499.29	499.29
10	498.45	523.52	523.52
15	517.34	543.35	543.35
20	531.99	558.72	558.72
25	542.41	569.66	569.66
30	548.64	576.20	576.20
35	550.71	578.37	578.37
40	548.64	576.20	576.20
45	542.41	569.66	569.66
50	531.99	558.72	558.72
55	517.34	543.35	543.35
60	498.45	523.52	523.52
65	475.37	499.29	499.29
70	448.25	470.82	470.82
75	417.41	438.45	438.45
80	383.37	402.73	402.73
85	346.94	364.50	364.50
90	309.26	324.95	324.95
95	271.84	285.70	285.80
100	236.66	248.80	249.13
105	206.09	216.75	217.26
110	182.65	192.17	192.83
115	168.14	176.98	177.87
120	162.56	171.13	172.14
125	163.61	172.23	175.09
130	167.80	176.61	182.95
135	171.81	180.82	188.73
140	173.31	182.39	192.09
145	170.95	179.91	193.43
150	164.17	172.81	188.73
155	153.04	161.16	175.55
160	138.04	145.46	156.42
165	119.95	126.54	139.30
170	99.71	105.41	124.49
175	78.33	83.16	106.31
180	56.84	60.93	84.29
185	36.20	39.94	58.85
190	17.25	21.88	38.08
195	0.85	12.31	32.19
200	12.71	18.13	32.25
205	22.64	26.75	35.41
210	28.73	32.56	38.44
215	30.78	34.57	38.62
220	28.73	32.56	38.44
225	22.64	26.75	35.41
230	12.71	18.13	32.25
235	0.85	12.31	32.19
240	17.25	21.88	33.71
245	36.20	39.94	48.86
250	56.84	60.93	72.54
255	78.33	83.16	95.70
260	99.71	105.41	117.34
265	119.95	126.54	136.64
270	138.04	145.46	152.98
275	153.04	161.16	165.89
280	164.17	172.81	175.09
285	170.95	179.91	180.51
290	173.31	182.39	182.39
295	171.81	180.82	182.28
300	167.80	176.61	179.59
305	163.61	172.23	173.77
310	162.56	171.13	171.13
315	168.14	176.98	181.36
320	182.65	192.17	204.06
325	206.09	216.75	230.78
330	236.66	248.80	258.09
335	271.84	285.70	288.43
340	309.26	324.95	324.95
345	346.94	364.50	364.50
350	383.37	402.73	402.73
355	417.41	438.45	438.45

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.

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Prepared by Audio Division, Media Bureau
Federal Communications Commission