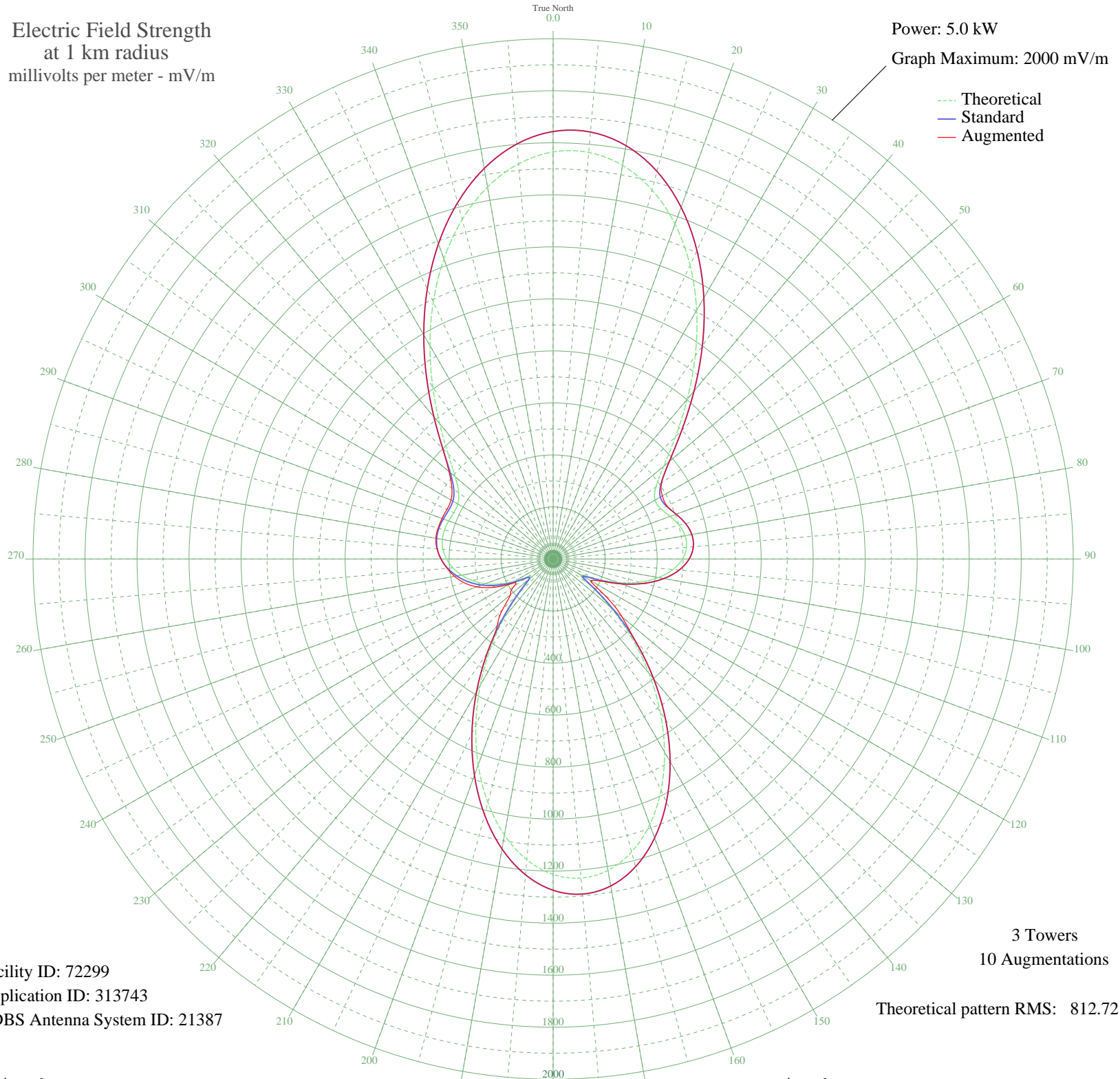


# WHK CLEVELAND, OH BL-- 1420 kHz

Nighttime

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

Power: 5.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 72299  
Application ID: 313743  
CDBS Antenna System ID: 21387

3 Towers  
10 Augmentations  
Theoretical pattern RMS: 812.72

Azimuth	Etheo	Estd	Eaug
0	1564.99	1643.46	1643.46
5	1569.09	1647.76	1647.76
10	1536.60	1613.65	1613.65
15	1469.10	1542.78	1542.78
20	1370.35	1439.11	1439.11
25	1246.09	1308.67	1308.67
30	1103.83	1159.33	1159.33
35	952.55	1000.53	1000.53
40	802.58	843.13	843.13
45	665.71	699.50	699.50
50	554.93	583.28	583.28
55	482.36	507.18	508.76
60	452.72	476.10	485.02
65	457.31	480.91	482.58
70	478.81	503.46	503.46
75	501.50	527.25	527.25
80	515.28	541.69	541.69
85	514.75	541.14	541.14
90	497.51	523.06	523.06
95	462.85	486.72	486.72
100	411.13	432.50	432.50
105	343.57	361.72	361.72
110	262.94	277.37	281.10
115	177.38	188.14	200.49
120	121.93	130.76	167.21
125	170.67	181.16	240.64
130	287.80	303.36	345.90
135	426.43	448.54	449.91
140	572.34	601.55	601.55
145	717.90	754.26	754.26
150	856.45	899.67	899.67
155	981.46	1030.88	1030.88
160	1086.61	1141.25	1141.25
165	1166.14	1224.74	1224.74
170	1215.41	1276.46	1276.46
175	1231.31	1293.15	1293.15

Azimuth	Etheo	Estd	Eaug
180	1212.65	1273.56	1273.56
185	1160.41	1218.72	1218.72
190	1077.67	1131.87	1131.87
195	969.43	1018.25	1018.25
200	842.15	884.65	884.65
205	703.16	738.79	738.79
210	560.10	588.71	588.71
215	420.41	442.23	442.23
220	291.33	307.05	333.90
225	181.84	192.78	274.32
230	112.69	121.28	214.09
235	119.45	128.21	184.22
240	171.40	181.92	194.14
245	227.40	240.24	259.10
250	277.65	292.74	312.71
255	320.86	337.96	353.70
260	357.26	376.07	384.73
265	386.98	407.19	409.60
270	409.72	431.03	431.03
275	424.99	447.03	448.17
280	432.43	454.83	457.76
285	432.49	454.89	457.97
290	427.24	449.39	454.66
295	421.42	443.29	450.62
300	423.19	445.15	453.42
305	443.36	466.29	475.39
310	491.48	516.74	522.60
315	571.03	600.17	600.74
320	678.64	713.07	713.07
325	806.94	847.71	847.71
330	947.17	994.89	994.89
335	1090.35	1145.18	1145.18
340	1227.66	1289.32	1289.32
345	1350.73	1418.52	1418.52
350	1451.98	1524.81	1524.81
355	1525.00	1601.47	1601.47

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 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission