

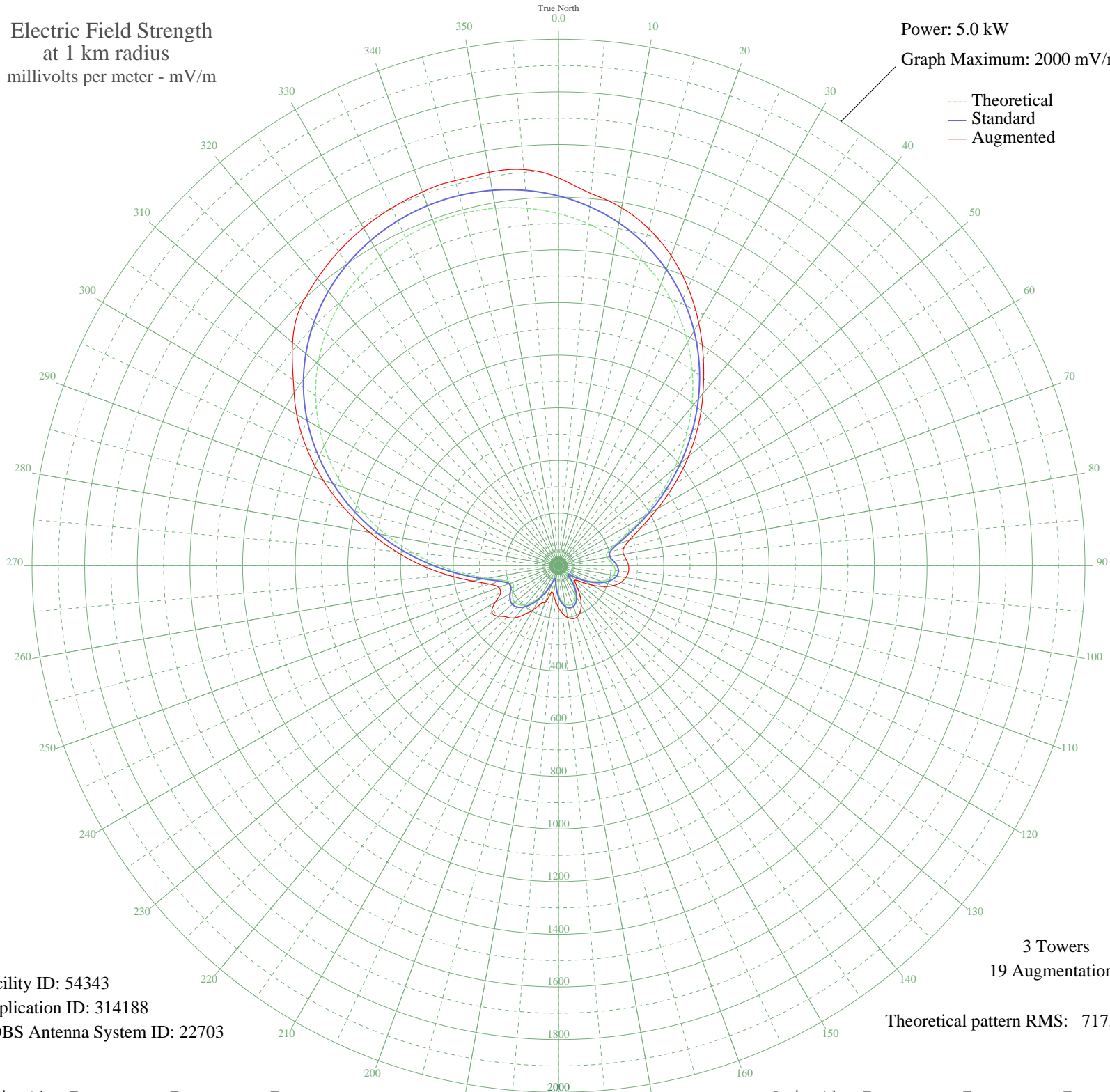
WWSM ANNVILLE-CLEONA, PA BL-12092 1510 kHz

Daytime

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

Power: 5.0 kW
Graph Maximum: 2000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 54343
Application ID: 314188
CDBS Antenna System ID: 22703

3 Towers
19 Augmentations

Theoretical pattern RMS: 717.77

Azimuth	Etheo	Estd	Eaug
0	1337.82	1404.97	1473.17
5	1303.47	1368.91	1419.25
10	1259.35	1322.59	1380.62
15	1205.07	1265.61	1325.31
20	1140.43	1197.75	1252.72
25	1065.52	1119.12	1164.97
30	980.87	1030.26	1065.51
35	887.52	932.28	959.60
40	787.11	826.90	853.84
45	681.97	716.58	750.47
50	575.15	604.51	643.88
55	470.48	494.74	536.66
60	372.80	392.36	435.33
65	288.36	303.97	349.49
70	225.31	238.10	287.79
75	191.65	203.02	256.05
80	186.82	197.99	251.06
85	197.85	209.48	258.84
90	210.46	222.62	266.11
95	216.34	228.74	266.97
100	212.11	224.33	259.64
105	197.25	208.85	244.94
110	172.84	183.46	221.18
115	140.92	150.39	186.98
120	104.30	112.76	146.47
125	67.14	75.45	107.29
130	40.02	49.88	84.81
135	47.05	56.24	89.61
140	75.48	83.69	114.09
145	104.50	112.97	144.38
150	128.59	137.66	172.49
155	145.74	155.37	194.51
160	154.97	164.92	207.12
165	155.82	165.80	208.28
170	148.24	157.96	199.30
175	132.61	141.81	182.34

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	Etheo	Estd	Eaug
180	109.80	118.38	159.17
185	81.51	89.71	133.20
190	52.07	60.93	110.83
195	38.13	48.23	102.45
200	60.30	68.79	150.27
205	96.73	105.06	159.53
210	133.87	143.11	194.50
215	166.98	177.38	226.00
220	193.08	204.51	258.17
225	209.97	222.10	276.00
230	216.35	228.75	298.04
235	212.34	224.57	308.65
240	200.61	212.34	277.16
245	188.28	199.51	242.76
250	188.65	199.90	241.40
255	216.05	228.44	270.26
260	273.75	288.69	332.94
265	354.62	373.32	418.44
270	450.21	473.48	516.30
275	553.91	582.22	619.60
280	660.63	694.19	728.50
285	766.37	805.14	841.38
290	867.93	911.73	951.95
295	962.85	1011.35	1055.42
300	1049.35	1102.14	1148.31
305	1126.26	1182.88	1229.94
310	1192.97	1252.91	1318.82
315	1249.32	1312.06	1387.26
320	1295.44	1360.48	1425.02
325	1331.71	1398.56	1457.01
330	1358.58	1426.76	1481.69
335	1376.46	1445.54	1499.11
340	1385.73	1455.26	1511.16
345	1386.57	1456.15	1514.18
350	1379.00	1448.20	1517.45
355	1362.86	1431.25	1510.92