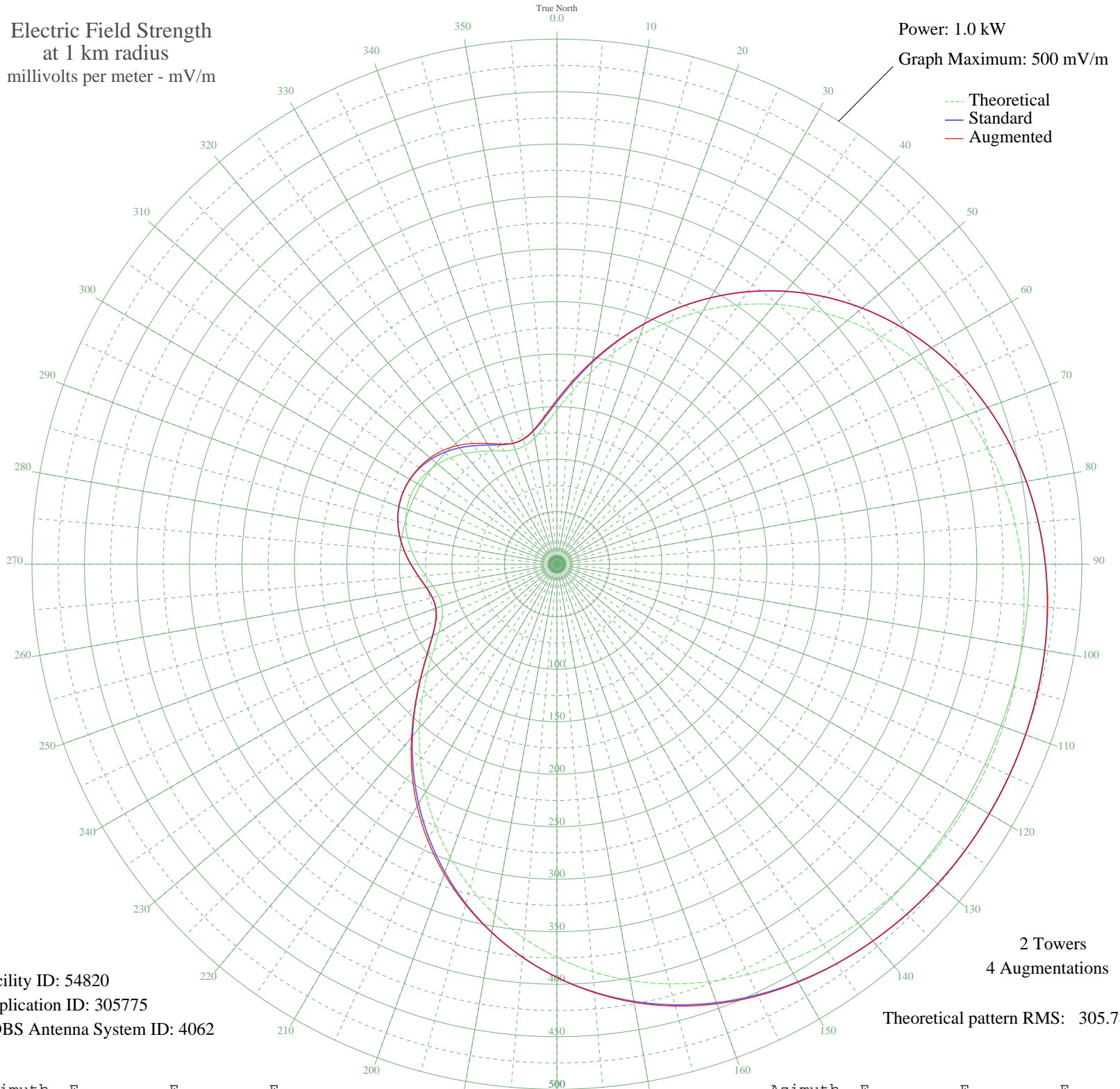


# WJFN BRANDON, MS BL-- 970 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 54820  
Application ID: 305775  
CDBS Antenna System ID: 4062

2 Towers  
4 Augmentations  
Theoretical pattern RMS: 305.78

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	146.89	154.59	156.51
5	165.01	173.58	175.48
10	185.77	195.34	196.79
15	208.27	218.93	219.76
20	231.70	243.51	243.81
25	255.41	268.38	268.41
30	278.81	292.94	292.94
35	301.43	316.68	316.68
40	322.89	339.20	339.20
45	342.88	360.18	360.18
50	361.18	379.39	379.39
55	377.65	396.67	396.67
60	392.22	411.97	411.97
65	404.89	425.26	425.26
70	415.70	436.62	436.62
75	424.77	446.13	446.13
80	432.23	453.96	453.96
85	438.24	460.27	460.27
90	442.97	465.23	465.23
95	446.59	469.04	469.04
100	449.26	471.84	471.84
105	451.12	473.80	473.80
110	452.28	475.01	475.01
115	452.82	475.57	475.57
120	452.76	475.51	475.51
125	452.10	474.82	474.82
130	450.81	473.47	473.47
135	448.80	471.35	471.35
140	445.95	468.36	468.36
145	442.12	464.34	464.51
150	437.14	459.12	459.66
155	430.86	452.52	453.47
160	423.09	444.37	445.58
165	413.68	434.50	435.70
170	402.51	422.76	423.69
175	389.46	409.07	409.58

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	374.51	393.38	393.51
185	357.67	375.70	375.70
190	339.01	356.12	356.42
195	318.71	334.81	335.85
200	296.99	312.02	313.95
205	274.18	288.08	290.71
210	250.67	263.42	266.22
215	226.97	238.55	240.88
220	203.67	214.11	215.48
225	181.45	190.82	191.21
230	161.15	169.53	169.53
235	143.66	151.21	151.21
240	129.95	136.85	136.85
245	120.78	127.26	127.26
250	116.45	122.73	122.73
255	116.55	122.83	122.83
260	120.04	126.47	126.47
265	125.63	132.32	132.32
270	132.13	139.13	139.13
275	138.61	145.92	145.92
280	144.39	151.98	151.98
285	149.01	156.82	156.82
290	152.18	160.13	160.13
295	153.71	161.74	161.74
300	153.54	161.56	161.67
305	151.67	159.60	160.32
310	148.20	155.96	157.59
315	143.32	150.85	153.29
320	137.35	144.60	147.41
325	130.81	137.75	140.28
330	124.40	131.04	132.76
335	119.13	125.52	126.24
340	116.22	122.48	122.55
345	116.94	123.24	123.35
350	122.23	128.77	129.49
355	132.35	139.36	140.83

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