

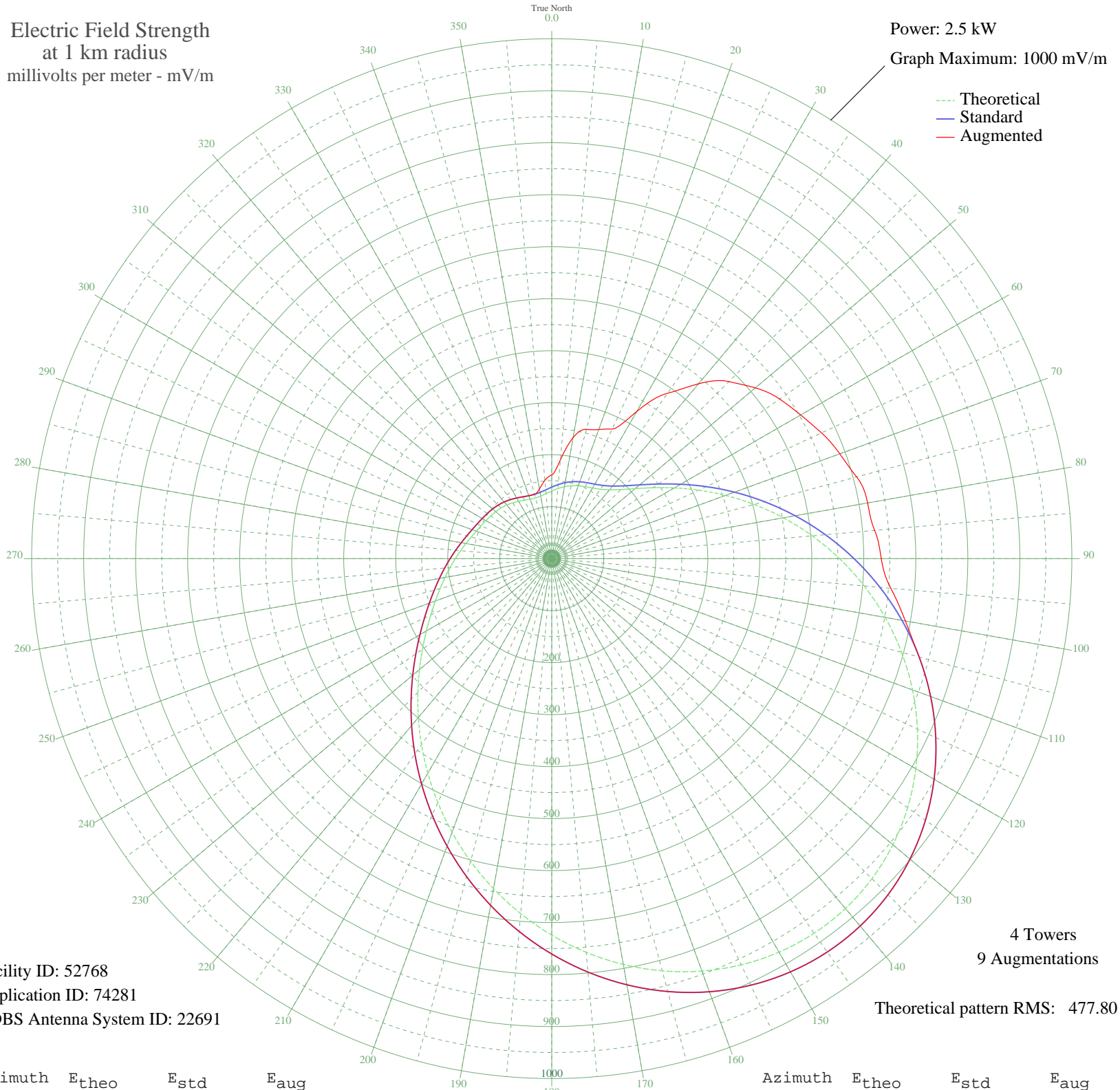
WFAI SALEM, NJ BL-19841126AH 1510 kHz

Daytime

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

Power: 2.5 kW

Graph Maximum: 1000 mV/m



Facility ID: 52768
Application ID: 74281
CDBS Antenna System ID: 22691

4 Towers
9 Augmentations

Theoretical pattern RMS: 477.80

Azimuth	E _{theo}	E _{std}	E _{aug}
0	129.99	137.50	160.90
5	135.22	142.95	190.74
10	140.41	148.36	236.40
15	145.05	153.20	257.50
20	148.99	157.32	264.31
25	152.59	161.08	274.97
30	156.77	165.44	326.75
35	162.93	171.88	388.42
40	172.81	182.21	439.11
45	188.01	198.11	481.69
50	209.57	220.67	511.04
55	237.73	250.16	535.16
60	272.06	286.15	552.69
65	311.73	327.74	572.32
70	355.70	373.86	589.37
75	402.91	423.38	606.97
80	452.26	475.17	616.69
85	502.74	528.14	623.25
90	553.33	581.23	633.57
95	603.08	633.45	654.47
100	651.05	683.80	690.37
105	696.36	731.37	731.37
110	738.18	775.26	775.26
115	775.72	814.67	814.67
120	808.28	848.86	848.86
125	835.26	877.18	877.18
130	856.15	899.12	899.12
135	870.61	914.29	914.29
140	878.41	922.48	922.48
145	879.50	923.62	923.62
150	873.96	917.81	917.81
155	862.06	905.31	905.31
160	844.16	886.53	886.53
165	820.79	861.99	861.99
170	792.53	832.32	832.32
175	760.06	798.24	798.24

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.

27 Jun 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	724.10	760.48	760.48
185	685.38	719.84	719.84
190	644.65	677.09	677.09
195	602.67	633.03	633.03
200	560.18	588.42	588.42
205	517.87	544.02	544.02
210	476.46	500.56	500.56
215	436.59	458.72	458.72
220	398.87	419.14	419.14
225	363.83	382.38	382.38
230	331.90	348.89	348.89
235	303.36	318.96	318.96
240	278.30	292.69	292.69
245	256.63	269.97	269.97
250	238.04	250.49	250.49
255	222.08	233.78	233.78
260	208.28	219.32	219.32
265	196.17	206.65	206.65
270	185.42	195.40	195.40
275	175.87	185.40	185.40
280	167.47	176.62	176.62
285	160.30	169.13	169.13
290	154.41	162.98	162.98
295	149.76	158.12	158.12
300	146.15	154.35	154.35
305	143.23	151.30	151.30
310	140.56	148.52	148.52
315	137.76	145.60	145.60
320	134.58	142.28	142.28
325	131.00	138.55	138.55
330	127.29	134.68	134.68
335	123.96	131.21	131.21
340	121.65	128.81	128.81
345	120.97	128.10	128.10
350	122.26	129.44	136.02
355	125.43	132.74	151.19