

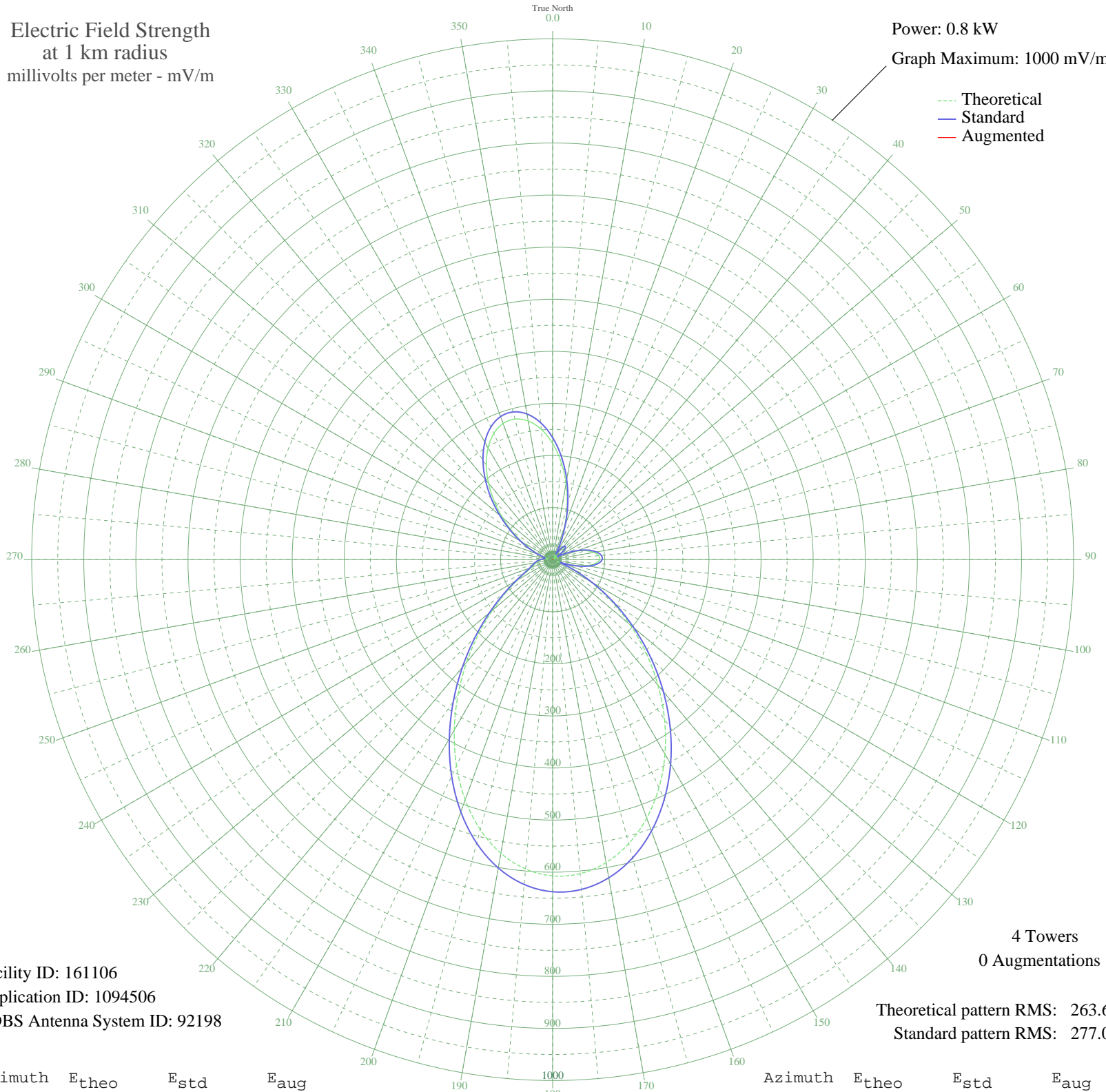
WFOA SARALAND, AL BNP-20050118AGO 770 kHz

Nighttime

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

Power: 0.8 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 161106
Application ID: 1094506
CDBS Antenna System ID: 92198

4 Towers
0 Augmentations

Theoretical pattern RMS: 263.67
Standard pattern RMS: 277.05

Azimuth	E _{theo}	E _{std}	E _{aug}
0	222.99	234.38	
5	187.74	197.40	
10	147.94	155.69	
15	106.54	112.36	
20	66.65	70.77	
25	31.29	34.49	
30	6.04	12.27	
35	19.48	22.99	
40	30.31	33.51	
45	32.11	35.32	
50	25.57	28.83	
55	12.19	16.55	
60	6.18	12.34	
65	26.83	30.07	
70	47.64	51.11	
75	66.23	70.33	
80	80.53	85.20	
85	88.81	93.84	
90	89.74	94.81	
95	82.44	87.19	
100	66.46	70.57	
105	41.93	45.26	
110	12.07	16.46	
115	35.17	38.39	
120	82.48	87.24	
125	135.91	143.09	
130	193.56	203.51	
135	253.72	266.62	
140	314.62	330.51	
145	374.39	393.25	
150	431.15	452.83	
155	482.98	507.24	
160	528.01	554.51	
165	564.43	592.74	
170	590.61	620.23	
175	605.18	635.53	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	607.18	637.62	
185	596.16	626.06	
190	572.34	601.05	
195	536.63	563.56	
200	490.68	515.32	
205	436.77	458.72	
210	377.68	396.71	
215	316.50	332.49	
220	256.34	269.36	
225	200.10	210.37	
230	150.30	158.17	
235	108.92	114.85	
240	77.28	81.83	
245	55.83	59.56	
250	43.36	46.72	
255	36.55	39.79	
260	31.70	34.90	
265	26.64	29.88	
270	20.80	24.24	
275	14.45	18.45	
280	9.56	14.52	
285	13.51	17.65	
290	26.32	29.56	
295	44.57	47.97	
300	67.67	71.83	
305	95.11	100.42	
310	125.91	132.63	
315	158.61	166.87	
320	191.30	201.14	
325	221.80	233.12	
330	247.84	260.44	
335	267.25	280.81	
340	278.22	292.32	
345	279.44	293.60	
350	270.34	284.05	
355	251.16	263.92	

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