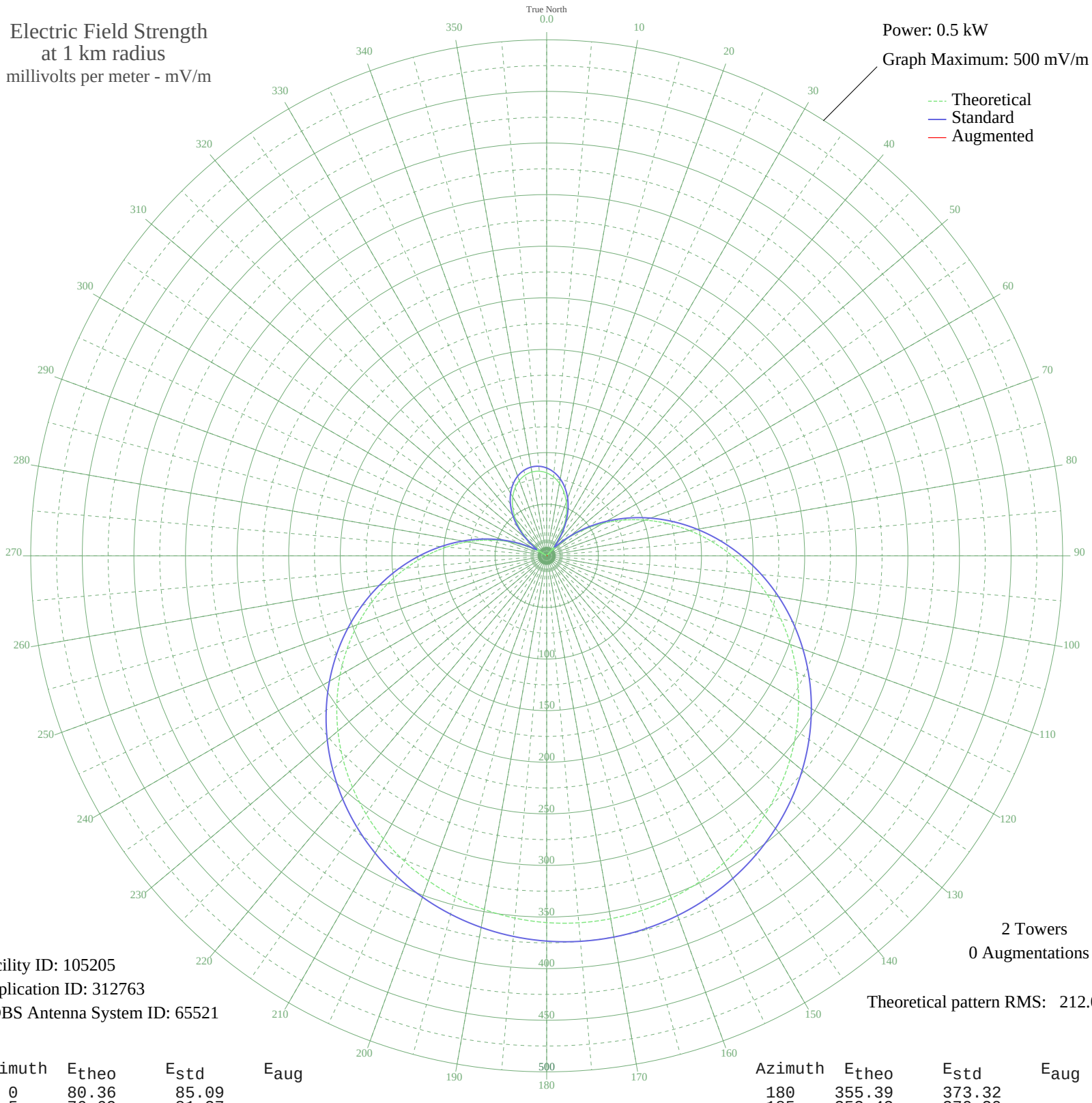
ZYJ491 S J MERITI, - Brazil -- 1520 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 105205
Application ID: 312763
CDBS Antenna System ID: 65521

Theoretical pattern RMS: 212.00

Azimuth	E_{theo}	E_{std}	E_{aug}
0	80.36	85.09	
5	76.69	81.27	
10	71.29	75.67	
15	64.22	68.33	
20	55.51	59.32	
25	45.23	48.75	
30	33.45	36.81	
35	20.25	23.95	
40	5.75	12.57	
45	9.94	15.17	
50	26.68	30.11	
55	44.35	47.85	
60	62.78	66.83	
65	81.80	86.60	
70	101.25	106.88	
75	120.95	127.48	
80	140.72	148.17	
85	160.39	168.77	
90	179.78	189.09	
95	198.73	208.96	
100	217.08	228.20	
105	234.69	246.68	
110	251.44	264.24	
115	267.20	280.77	
120	281.87	296.17	
125	295.38	310.35	
130	307.66	323.23	
135	318.65	334.76	
140	328.30	344.89	
145	336.60	353.60	
150	343.51	360.85	
155	349.02	366.64	
160	353.13	370.95	
165	355.82	373.77	
170	357.09	375.11	
175	356.95	374.96	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	355.39	373.32	
185	352.42	370.20	
190	348.03	365.60	
195	342.24	359.52	
200	335.05	351.97	
205	326.48	342.98	
210	316.55	332.56	
215	305.30	320.76	
220	292.78	307.61	
225	279.03	293.19	
230	264.13	277.55	
235	248.16	260.80	
240	231.24	243.05	
245	213.47	224.41	
250	194.98	205.03	
255	175.93	185.06	
260	156.47	164.67	
265	136.77	144.03	
270	117.00	123.34	
275	97.34	102.80	
280	77.96	82.59	
285	59.04	62.96	
290	40.75	44.18	
295	23.26	26.79	
300	6.71	13.08	
305	8.75	14.35	
310	23.00	26.54	
315	35.92	39.29	
320	47.41	50.98	
325	57.38	61.25	
330	65.77	69.93	
335	72.51	76.93	
340	77.56	82.18	
345	80.89	85.64	
350	82.47	87.29	
355	82.29	87.10	

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