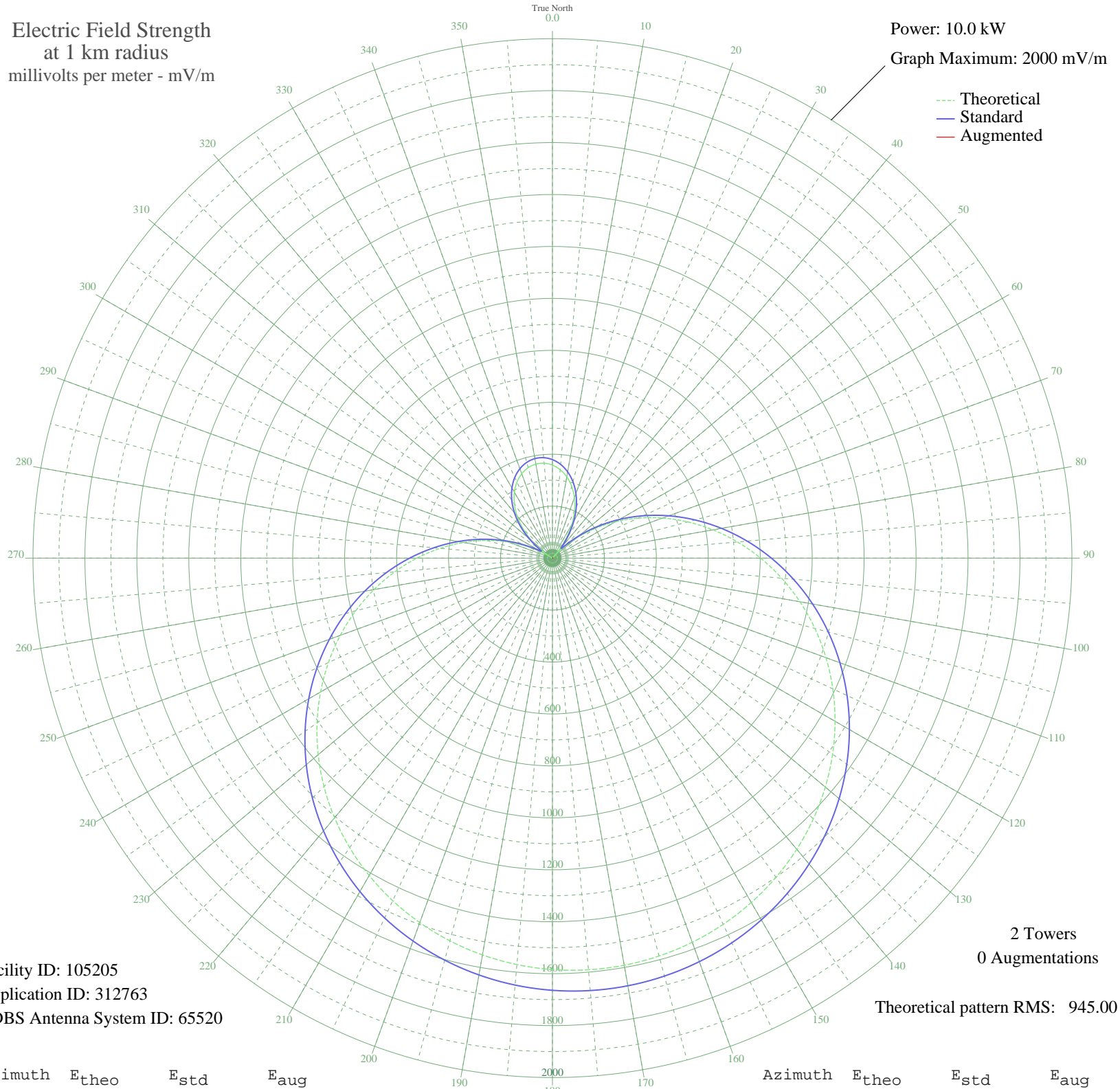


# ZYJ491 S J MERITI, - Brazil -- 1520 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 105205  
Application ID: 312763  
CDBS Antenna System ID: 65520

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 945.00

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	358.21	379.31	
5	341.83	362.27	
10	317.80	337.28	
15	286.26	304.56	
20	247.44	264.41	
25	201.61	217.31	
30	149.09	164.06	
35	90.28	106.76	
40	25.65	56.01	
45	44.29	67.63	
50	118.95	134.21	
55	197.69	213.31	
60	279.83	297.90	
65	364.64	386.00	
70	451.33	476.44	
75	539.15	568.23	
80	627.28	660.47	
85	714.95	752.30	
90	801.38	842.88	
95	885.85	931.44	
100	967.65	1017.22	
105	1046.16	1099.57	
110	1120.79	1177.86	
115	1191.04	1251.55	
120	1256.46	1320.19	
125	1316.68	1383.39	
130	1371.40	1440.81	
135	1420.38	1492.20	
140	1463.42	1537.38	
145	1500.39	1576.18	
150	1531.20	1608.51	
155	1555.78	1634.30	
160	1574.07	1653.51	
165	1586.07	1666.10	
170	1591.76	1672.07	
175	1591.13	1671.41	

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	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1584.18	1664.11	
185	1570.92	1650.20	
190	1551.36	1629.67	
195	1525.54	1602.57	
200	1493.49	1568.93	
205	1455.29	1528.85	
210	1411.05	1482.42	
215	1360.91	1429.80	
220	1305.07	1371.20	
225	1243.78	1306.89	
230	1177.36	1237.21	
235	1106.20	1162.55	
240	1030.75	1083.40	
245	951.54	1000.32	
250	869.15	913.93	
255	784.23	824.91	
260	697.49	734.01	
265	609.67	642.03	
270	521.53	549.81	
275	433.88	458.21	
280	347.50	368.16	
285	263.17	280.66	
290	181.65	196.96	
295	103.67	119.42	
300	29.90	58.29	
305	39.02	63.95	
310	102.52	118.32	
315	160.11	175.14	
320	211.32	227.25	
325	255.78	273.02	
330	293.16	311.71	
335	323.21	342.91	
340	345.72	366.32	
345	360.55	381.75	
350	367.59	389.09	
355	366.81	388.27	