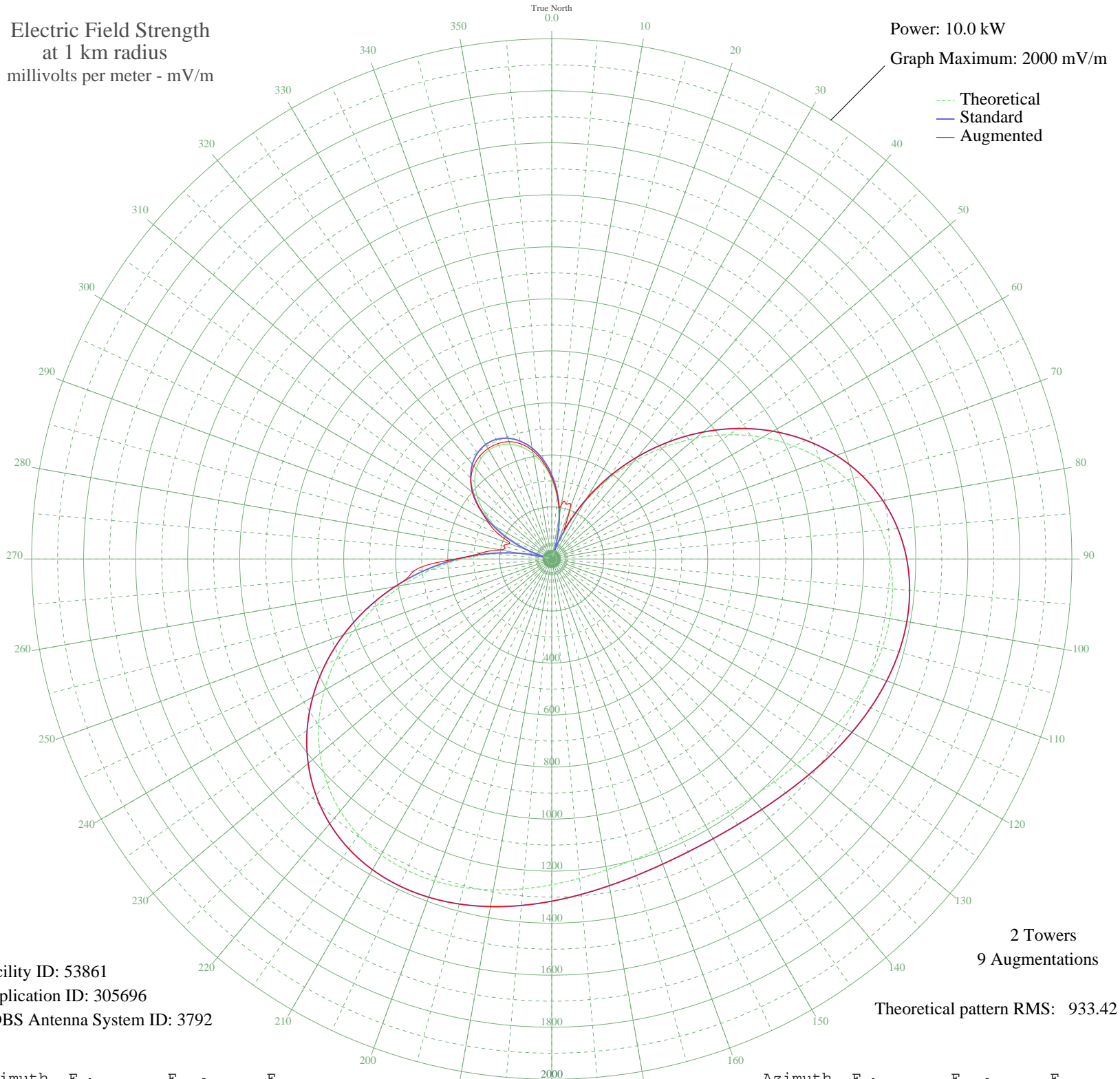


# WIPR SAN JUAN, PR BL-- 940 kHz

Unlimited Time

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 53861  
Application ID: 305696  
CDBS Antenna System ID: 3792

2 Towers  
9 Augmentations  
Theoretical pattern RMS: 933.42

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	306.47	323.50	313.24
5	237.60	251.68	245.02
10	157.98	169.17	210.11
15	68.25	78.98	217.37
20	30.64	46.23	207.92
25	137.42	148.06	148.06
30	250.44	265.05	265.05
35	367.75	387.57	387.57
40	487.10	512.53	512.53
45	606.03	637.20	637.20
50	721.99	758.81	758.81
55	832.44	874.69	874.69
60	934.99	982.31	982.31
65	1027.57	1079.46	1079.46
70	1108.47	1164.37	1164.37
75	1176.50	1235.77	1235.77
80	1231.01	1292.98	1292.98
85	1271.91	1335.92	1335.92
90	1299.68	1365.07	1365.07
95	1315.30	1381.47	1381.47
100	1320.17	1386.57	1386.57
105	1315.99	1382.19	1382.19
110	1304.71	1370.34	1370.34
115	1288.34	1353.17	1353.17
120	1268.93	1332.79	1332.79
125	1248.40	1311.24	1311.24
130	1228.51	1290.36	1290.36
135	1210.81	1271.78	1271.78
140	1196.55	1256.82	1256.82
145	1186.70	1246.48	1246.48
150	1181.89	1241.43	1241.43
155	1182.43	1242.00	1242.00
160	1188.28	1248.14	1248.14
165	1199.08	1259.47	1259.47
170	1214.11	1275.25	1275.25
175	1232.36	1294.40	1294.40

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.

03 Jul 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	1252.50	1315.55	1315.55
185	1272.96	1337.02	1337.02
190	1291.92	1356.93	1356.93
195	1307.44	1373.21	1373.21
200	1317.46	1383.73	1383.73
205	1319.98	1386.37	1386.37
210	1313.09	1379.14	1379.14
215	1295.14	1360.30	1360.30
220	1264.80	1328.46	1328.46
225	1221.20	1282.69	1282.69
230	1163.97	1222.62	1222.62
235	1093.29	1148.44	1148.44
240	1009.94	1060.96	1060.96
245	915.22	961.55	961.55
250	810.91	852.10	852.10
255	699.16	734.87	734.87
260	582.40	612.42	612.42
265	463.19	487.48	533.01
270	344.05	362.78	369.48
275	227.43	241.10	270.57
280	115.50	125.74	200.85
285	10.19	34.88	190.28
290	86.96	97.16	172.11
295	174.73	186.45	225.31
300	252.25	266.93	282.15
305	318.92	336.51	340.77
310	374.41	394.53	398.73
315	418.57	440.75	439.65
320	451.35	475.08	466.26
325	472.80	497.55	482.81
330	482.94	508.17	490.21
335	481.82	506.99	489.41
340	469.41	494.00	479.90
345	445.71	469.17	458.09
350	410.65	432.46	422.69
355	364.22	383.87	373.54