

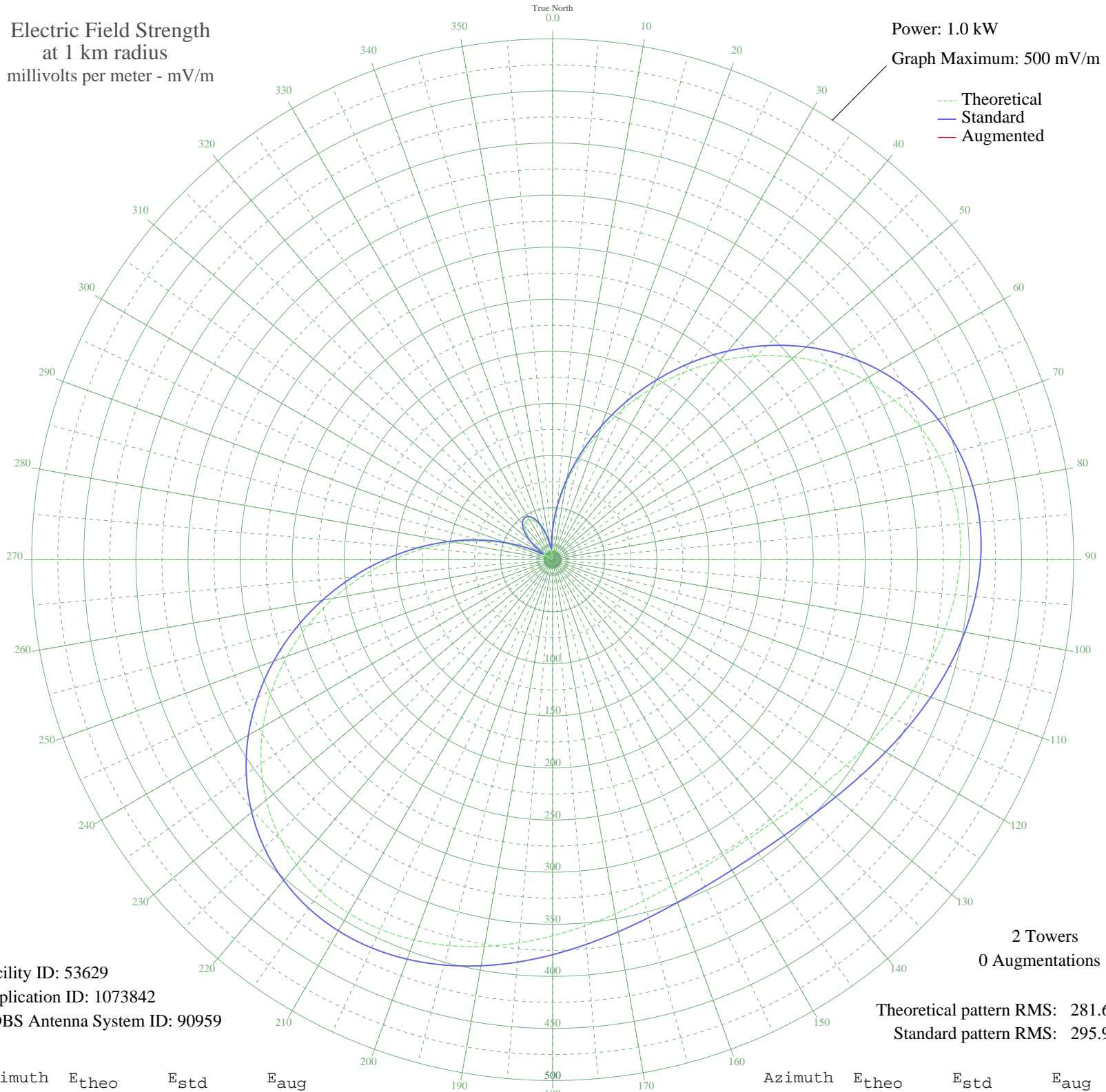
WBSG SAN GERMAN, PR BMJP-20041029AJH 1510 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 53629  
Application ID: 1073842  
CDBS Antenna System ID: 90959

2 Towers  
0 Augmentations

Theoretical pattern RMS: 281.64  
Standard pattern RMS: 295.91

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	26.57	29.80	
5	48.98	52.49	
10	73.86	78.26	
15	100.83	106.39	
20	129.43	136.31	
25	159.14	167.43	
30	189.37	199.11	
35	219.46	230.68	
40	248.76	261.41	
45	276.60	290.62	
50	302.35	317.64	
55	325.45	341.88	
60	345.44	362.86	
65	361.98	380.22	
70	374.87	393.75	
75	384.07	403.41	
80	389.66	409.28	
85	391.88	411.61	
90	391.09	410.78	
95	387.73	407.25	
100	382.32	401.57	
105	375.41	394.32	
110	367.58	386.10	
115	359.38	377.50	
120	351.33	369.05	
125	343.91	361.26	
130	337.51	354.54	
135	332.47	349.25	
140	329.03	345.65	
145	327.37	343.90	
150	327.56	344.09	
155	329.58	346.22	
160	333.36	350.18	
165	338.69	355.78	
170	345.32	362.74	
175	352.91	370.70	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	361.03	379.22	
185	369.19	387.80	
190	376.89	395.87	
195	383.54	402.85	
200	388.58	408.15	
205	391.47	411.18	
210	391.69	411.41	
215	388.82	408.39	
220	382.52	401.78	
225	372.59	391.36	
230	358.96	377.05	
235	341.70	358.94	
240	321.06	337.28	
245	297.39	312.44	
250	271.18	284.93	
255	243.00	255.36	
260	213.49	224.41	
265	183.31	192.76	
270	153.14	161.14	
275	123.60	130.21	
280	95.29	100.60	
285	68.71	72.90	
290	44.29	47.68	
295	22.40	25.76	
300	3.31	11.06	
305	12.77	17.03	
310	25.70	28.96	
315	35.38	38.61	
320	41.76	45.08	
325	44.78	48.18	
330	44.44	47.83	
335	40.75	44.06	
340	33.71	36.92	
345	23.37	26.69	
350	9.80	14.70	
355	6.90	12.76	

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