

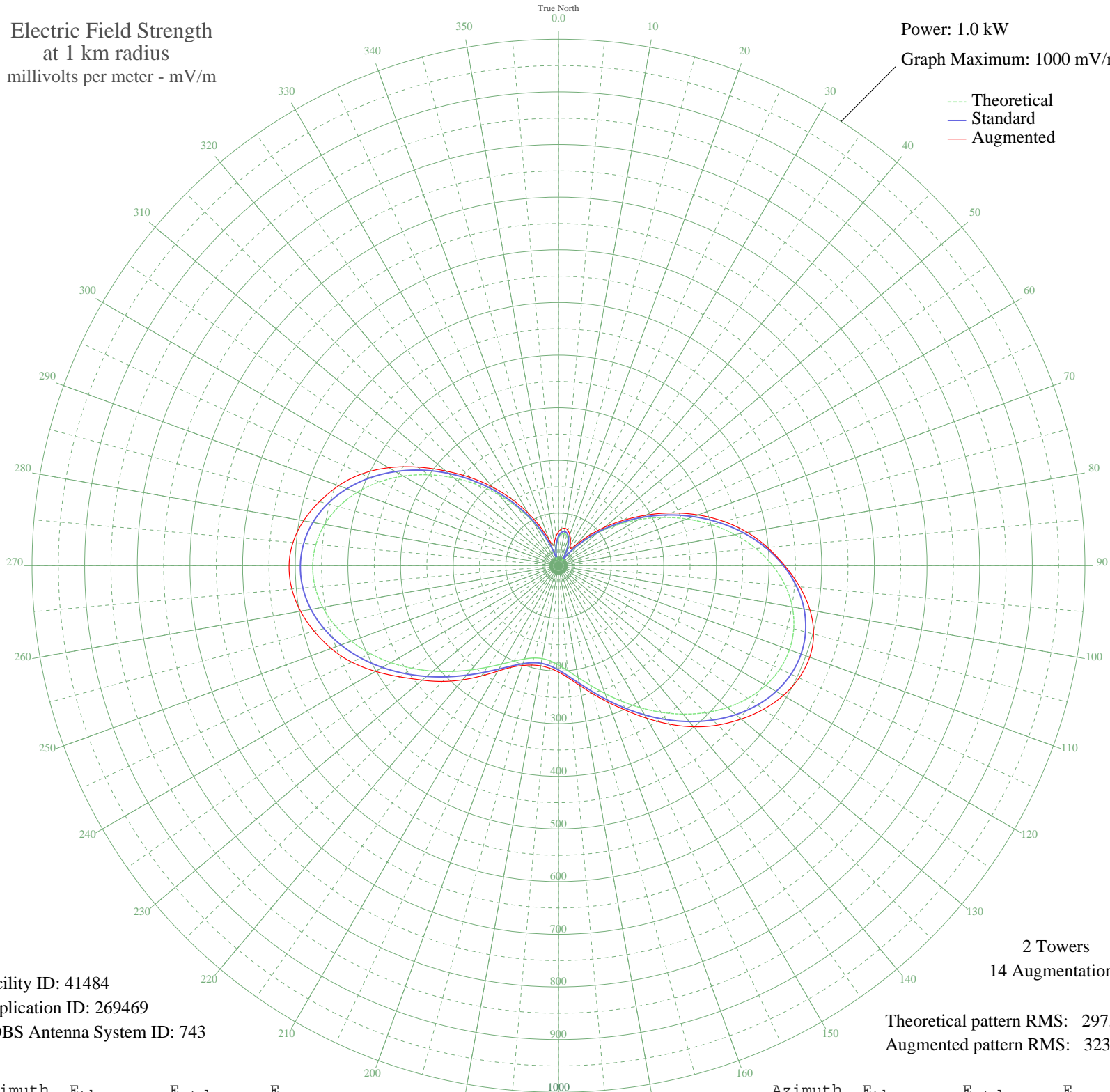
WQMR OCEAN CITY, MD BL-19980608KB 1590 kHz

Daytime

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

Power: 1.0 kW  
Graph Maximum: 1000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 41484  
Application ID: 269469  
CDBS Antenna System ID: 743

2 Towers  
14 Augmentations

Theoretical pattern RMS: 297.73  
Augmented pattern RMS: 323.52

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	52.18	55.79	64.29
5	59.60	63.46	70.11
10	62.09	66.04	72.10
15	59.60	63.46	69.21
20	52.18	55.79	62.58
25	39.99	43.28	53.85
30	23.79	27.10	44.70
35	12.12	16.50	40.25
40	31.31	34.51	52.00
45	61.46	65.38	79.07
50	96.21	101.57	113.02
55	134.38	141.49	150.59
60	175.04	184.09	192.30
65	217.16	228.26	237.15
70	259.60	272.79	282.12
75	301.11	316.34	325.09
80	340.38	357.56	364.19
85	376.12	395.07	398.61
90	407.13	427.62	429.94
95	432.37	454.11	459.98
100	451.03	473.70	485.12
105	462.60	485.85	501.64
110	466.90	490.35	507.78
115	464.06	487.38	504.30
120	454.57	477.41	493.06
125	439.16	461.24	475.41
130	418.81	439.88	453.12
135	394.64	414.51	428.03
140	367.87	386.41	399.31
145	339.71	356.86	367.34
150	311.36	327.10	334.37
155	283.89	298.27	303.16
160	258.27	271.38	276.09
165	235.31	247.30	251.92
170	215.69	226.72	230.83
175	199.92	210.18	213.81

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.

15 Feb 2012

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	188.40	198.10	201.86
185	181.38	190.74	195.32
190	179.03	188.27	193.20
195	181.38	190.74	195.32
200	188.40	198.10	201.75
205	199.92	210.18	212.94
210	215.69	226.72	231.38
215	235.31	247.30	255.59
220	258.27	271.38	282.78
225	283.89	298.27	310.71
230	311.36	327.10	337.99
235	339.71	356.86	367.93
240	367.87	386.41	401.35
245	394.64	414.51	433.27
250	418.81	439.88	459.52
255	439.16	461.24	480.59
260	454.57	477.41	497.50
265	464.06	487.38	508.40
270	466.90	490.35	511.80
275	462.60	485.85	506.25
280	451.03	473.70	491.68
285	432.37	454.11	470.22
290	407.13	427.62	444.45
295	376.12	395.07	412.50
300	340.38	357.56	372.31
305	301.11	316.34	326.64
310	259.60	272.79	279.94
315	217.16	228.26	236.93
320	175.04	184.09	195.09
325	134.38	141.49	154.07
330	96.21	101.57	115.34
335	61.46	65.38	80.51
340	31.31	34.51	52.87
345	12.12	16.50	40.30
350	23.79	27.10	45.20
355	39.99	43.28	55.28