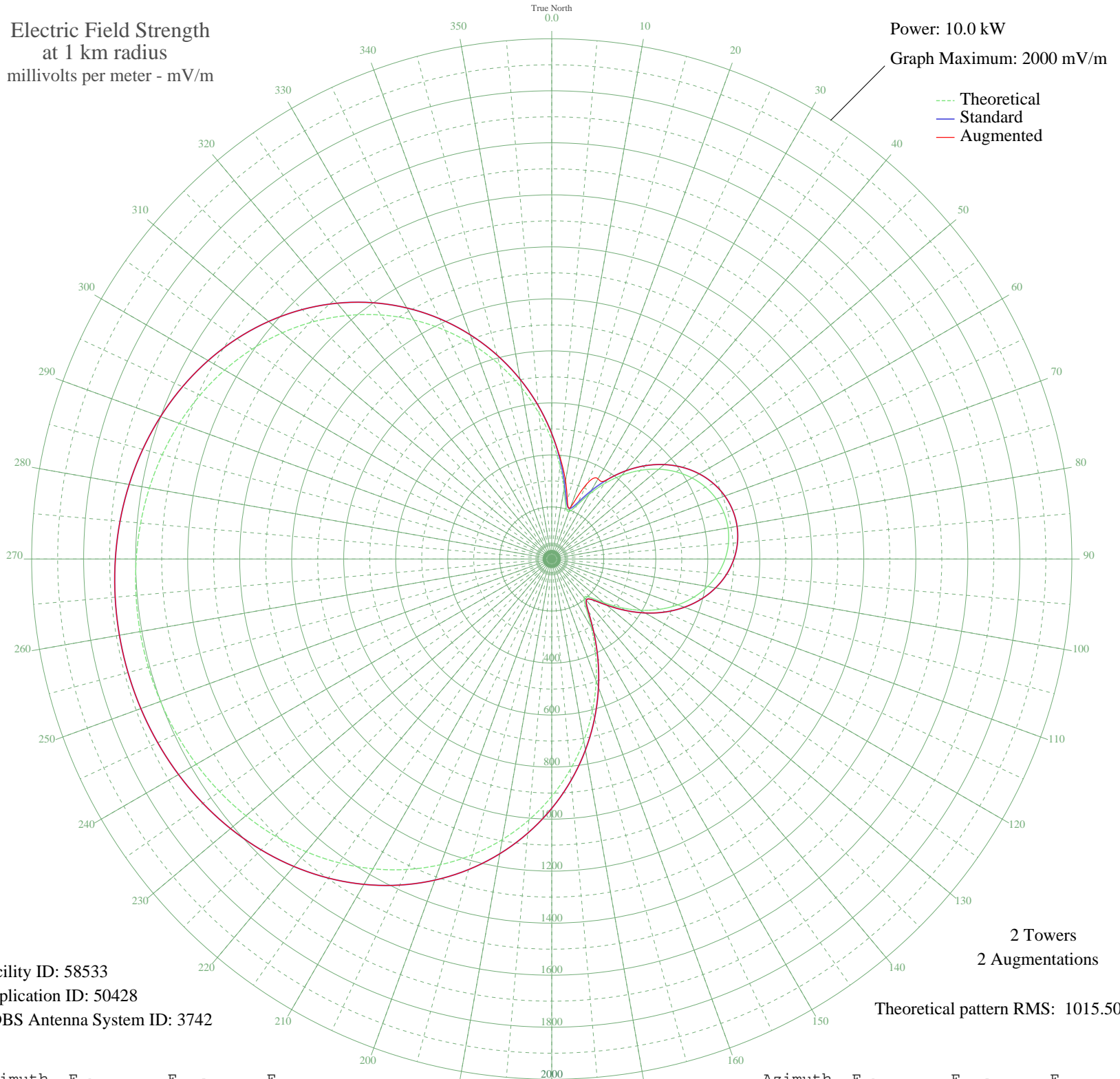


# KPSZ DES MOINES, IA BL-19821209AA 940 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m



Facility ID: 58533  
Application ID: 50428  
CDBS Antenna System ID: 3742

2 Towers  
2 Augmentations  
Theoretical pattern RMS: 1015.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	458.06	482.10	482.10
5	359.15	378.57	386.03
10	272.15	287.68	305.33
15	210.43	223.43	232.16
20	194.20	206.59	211.24
25	226.84	240.49	318.36
30	286.18	302.31	355.87
35	353.51	372.67	372.67
40	420.06	442.31	442.31
45	481.83	507.01	507.01
50	536.87	564.69	564.69
55	584.08	614.18	614.18
60	622.85	654.84	654.84
65	652.84	686.28	686.28
70	673.83	708.30	708.30
75	685.73	720.78	720.78
80	688.48	723.66	723.66
85	682.07	716.94	716.94
90	666.52	700.64	700.64
95	641.91	674.83	674.83
100	608.38	639.66	639.66
105	566.18	595.41	595.41
110	515.75	542.55	542.55
115	457.85	481.89	481.89
120	393.85	414.87	414.87
125	326.34	344.26	344.26
130	260.71	275.75	275.75
135	209.14	222.10	222.10
140	194.22	206.62	206.62
145	230.82	244.62	244.62
150	304.87	321.83	321.83
155	397.76	418.97	418.97
160	499.32	525.34	525.34
165	604.33	635.42	635.42
170	709.62	745.84	745.84
175	812.94	854.23	854.23

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.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	912.55	958.75	958.75
185	1007.07	1057.95	1057.95
190	1095.44	1150.69	1150.69
195	1176.84	1236.13	1236.13
200	1250.76	1313.71	1313.71
205	1316.90	1383.14	1383.14
210	1375.21	1444.36	1444.36
215	1425.85	1497.51	1497.51
220	1469.12	1542.93	1542.93
225	1505.44	1581.06	1581.06
230	1535.33	1612.44	1612.44
235	1559.34	1637.64	1637.64
240	1577.98	1657.22	1657.22
245	1591.76	1671.68	1671.68
250	1601.08	1681.46	1681.46
255	1606.24	1686.88	1686.88
260	1607.42	1688.12	1688.12
265	1604.66	1685.22	1685.22
270	1597.87	1678.09	1678.09
275	1586.81	1666.48	1666.48
280	1571.13	1650.03	1650.03
285	1550.41	1628.27	1628.27
290	1524.11	1600.66	1600.66
295	1491.71	1566.65	1566.65
300	1452.67	1525.66	1525.66
305	1406.50	1477.20	1477.20
310	1352.82	1420.85	1420.85
315	1291.38	1356.36	1356.36
320	1222.11	1283.65	1283.65
325	1145.16	1202.87	1202.87
330	1060.89	1114.43	1114.43
335	969.95	1018.99	1018.99
340	873.24	917.51	917.51
345	771.97	811.25	811.25
350	667.63	701.80	701.80
355	562.15	591.19	591.19