

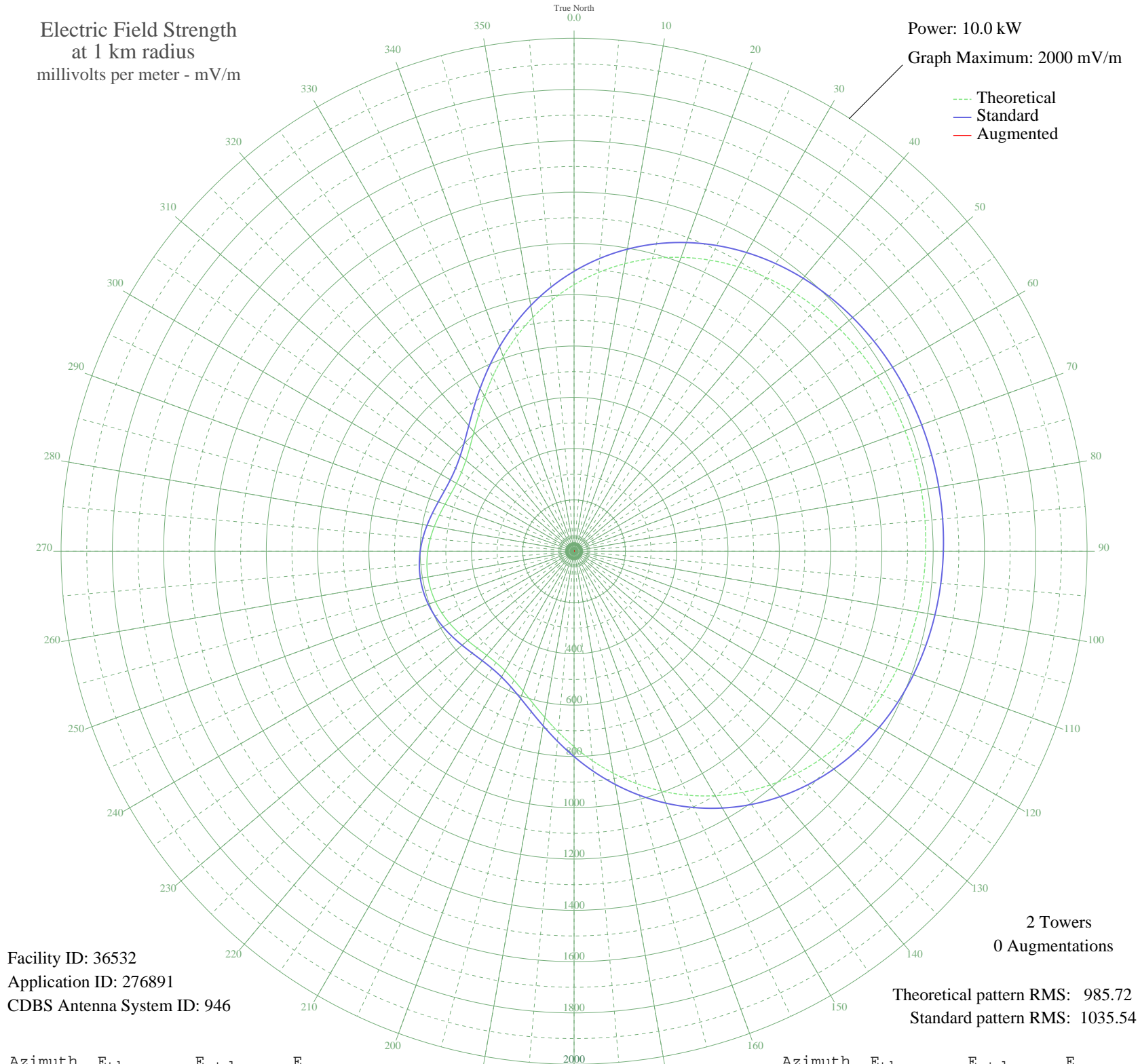
WPNW ZEELAND, MI BL-19981110AA 1260 kHz

Daytime

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

Power: 10.0 kW  
Graph Maximum: 2000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 36532  
Application ID: 276891  
CDBS Antenna System ID: 946

2 Towers  
0 Augmentations

Theoretical pattern RMS: 985.72  
Standard pattern RMS: 1035.54

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1038.87	1091.31	
5	1090.68	1145.70	
10	1138.31	1195.68	
15	1181.24	1240.75	
20	1219.22	1280.61	
25	1252.18	1315.21	
30	1280.22	1344.65	
35	1303.61	1369.20	
40	1322.71	1389.25	
45	1337.97	1405.26	
50	1349.87	1417.75	
55	1358.89	1427.22	
60	1365.50	1434.16	
65	1370.10	1438.99	
70	1373.01	1442.04	
75	1374.47	1443.57	
80	1374.60	1443.71	
85	1373.41	1442.46	
90	1370.81	1439.73	
95	1366.57	1435.28	
100	1360.39	1428.80	
105	1351.89	1419.87	
110	1340.61	1408.03	
115	1326.06	1392.76	
120	1307.76	1373.55	
125	1285.26	1349.94	
130	1258.18	1321.50	
135	1226.21	1287.95	
140	1189.24	1249.14	
145	1147.28	1205.10	
150	1100.56	1156.07	
155	1049.53	1102.51	
160	994.88	1045.15	
165	937.51	984.95	
170	878.61	923.14	
175	819.54	861.16	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	761.90	800.68	
185	707.42	743.53	
190	657.89	691.58	
195	615.04	646.65	
200	580.32	610.24	
205	554.63	583.31	
210	538.15	566.04	
215	530.22	557.72	
220	529.46	556.92	
225	534.02	561.70	
230	541.95	570.01	
235	551.41	579.93	
240	560.84	589.81	
245	569.02	598.39	
250	575.05	604.72	
255	578.38	608.20	
260	578.68	608.52	
265	575.95	605.66	
270	570.42	599.86	
275	562.61	591.67	
280	553.34	581.95	
285	543.77	571.92	
290	535.40	563.15	
295	530.00	557.49	
300	529.55	557.02	
305	535.92	563.69	
310	550.61	579.09	
315	574.44	604.08	
320	607.41	638.65	
325	648.74	681.98	
330	697.06	732.66	
335	750.69	788.93	
340	807.85	848.89	
345	866.76	910.70	
350	925.82	972.67	
355	983.59	1033.30	

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.

23 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission