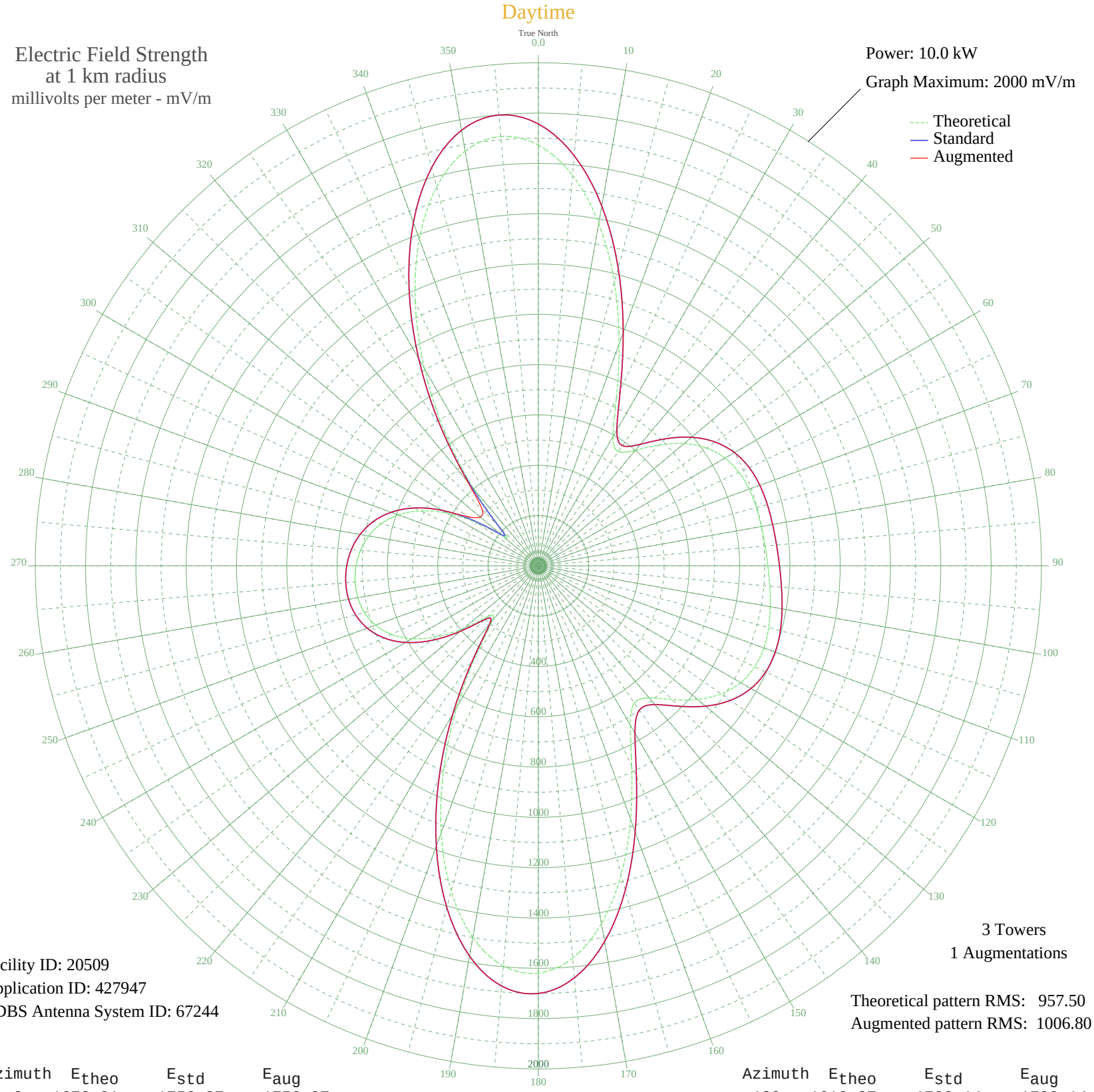
KANN ROY, UT BML-19991112ACR 1120 kHz

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

3 Towers
1 Augmentations

Facility ID: 20509
Application ID: 427947
CDBS Antenna System ID: 67244

Theoretical pattern RMS: 957.50
Augmented pattern RMS: 1006.80

Azimuth	E_{theo}	E_{std}	E_{aug}
0	1672.91	1756.87	1756.87
5	1558.49	1636.75	1636.75
10	1383.03	1452.56	1452.56
15	1167.26	1226.07	1226.07
20	938.87	986.37	986.37
25	733.18	770.56	770.56
30	593.66	624.22	624.22
35	554.47	583.14	583.14
40	599.97	630.84	630.84
45	679.48	714.22	714.22
50	756.61	795.13	795.13
55	816.58	858.06	858.06
60	856.79	900.24	900.24
65	880.17	924.77	924.77
70	891.77	936.95	936.95
75	896.91	942.34	942.34
80	900.14	945.73	945.73
85	904.76	950.58	950.58
90	912.52	958.72	958.72
95	923.58	970.33	970.33
100	936.44	983.83	983.83
105	948.10	996.05	996.05
110	954.18	1002.44	1002.44
115	949.43	997.45	997.45
120	928.51	975.50	975.50
125	887.38	932.34	932.34
130	825.75	867.67	867.67
135	751.11	789.36	789.36
140	684.98	720.00	720.00
145	666.05	700.14	700.14
150	730.95	768.22	768.22
155	877.99	922.49	922.49
160	1071.49	1125.55	1125.55
165	1271.25	1335.23	1335.23
170	1444.22	1516.80	1516.80
175	1565.57	1644.19	1644.19

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 Nov 2005

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	1618.87	1700.14	1700.14
185	1596.57	1676.73	1676.73
190	1500.08	1575.43	1575.43
195	1338.90	1406.24	1406.24
200	1128.99	1185.90	1185.90
205	890.66	935.78	935.78
210	647.32	680.49	680.49
215	428.06	450.68	450.68
220	284.10	300.15	300.15
225	286.01	302.14	302.14
230	383.85	404.40	404.40
235	490.79	516.40	516.40
240	579.23	609.09	609.09
245	644.57	677.61	677.61
250	688.76	723.96	723.96
255	715.57	752.08	752.08
260	728.76	765.91	765.91
265	731.29	768.57	768.57
270	724.85	761.82	761.82
275	709.68	745.90	745.90
280	684.49	719.48	719.48
285	646.62	679.76	679.76
290	592.33	622.83	622.83
295	517.40	544.29	544.29
300	418.58	440.76	440.76
305	297.51	314.14	340.10
310	182.79	194.79	302.38
315	212.85	225.95	314.85
320	404.05	425.55	437.18
325	647.01	680.17	680.17
330	905.61	951.47	951.47
335	1157.85	1216.19	1216.19
340	1382.80	1452.32	1452.32
345	1560.59	1638.95	1638.95
350	1674.44	1758.47	1758.47
355	1713.13	1799.09	1799.09