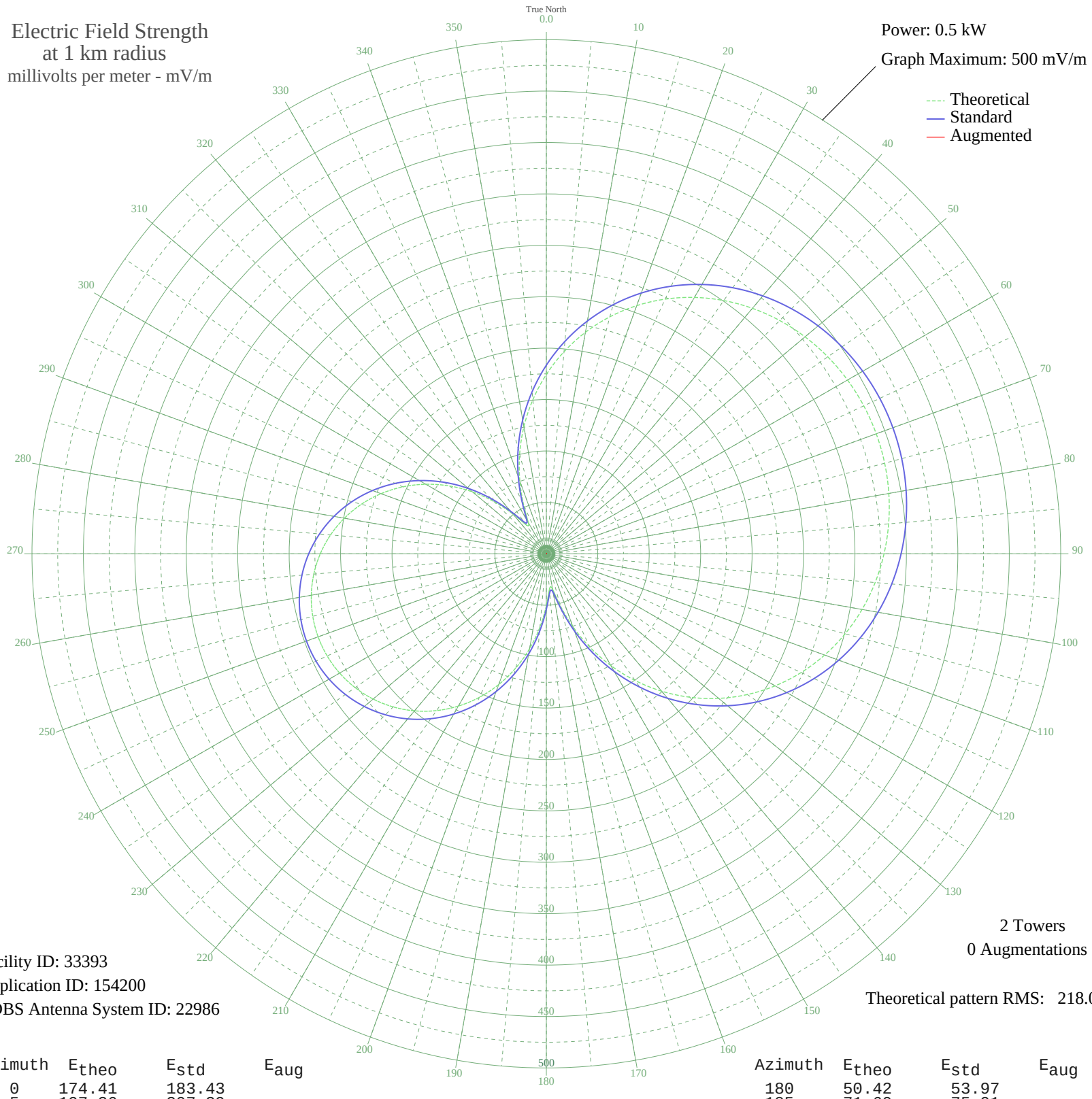
KWRN APPLE VALLEY, CA BL-19901113AC 1550 kHz

Nighttime

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



Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented

2 Towers
0 Augmentations

Facility ID: 33393
Application ID: 154200
CDBS Antenna System ID: 22986

Theoretical pattern RMS: 218.04

Azimuth	E_{theo}	E_{std}	E_{aug}
0	174.41	183.43	
5	197.26	207.39	
10	218.72	229.89	
15	238.62	250.77	
20	256.83	269.87	
25	273.27	287.12	
30	287.89	302.47	
35	300.68	315.89	
40	311.66	327.41	
45	320.84	337.05	
50	328.27	344.85	
55	334.00	350.85	
60	338.05	355.11	
65	340.47	357.65	
70	341.28	358.49	
75	340.47	357.65	
80	338.05	355.11	
85	334.00	350.85	
90	328.27	344.85	
95	320.84	337.05	
100	311.66	327.41	
105	300.68	315.89	
110	287.89	302.47	
115	273.27	287.12	
120	256.83	269.87	
125	238.62	250.77	
130	218.72	229.89	
135	197.26	207.39	
140	174.41	183.43	
145	150.41	158.28	
150	125.56	132.26	
155	100.30	105.84	
160	75.31	79.77	
165	52.06	55.66	
170	34.99	38.21	
175	34.58	37.79	

Azimuth	E_{theo}	E_{std}	E_{aug}
180	50.42	53.97	
185	71.60	75.91	
190	93.61	98.85	
195	115.04	121.25	
200	135.28	142.43	
205	154.00	162.05	
210	171.01	179.86	
215	186.16	195.75	
220	199.36	209.59	
225	210.57	221.35	
230	219.76	230.98	
235	226.90	238.48	
240	232.00	243.83	
245	235.06	247.04	
250	236.08	248.11	
255	235.06	247.04	
260	232.00	243.83	
265	226.90	238.48	
270	219.76	230.98	
275	210.57	221.35	
280	199.36	209.59	
285	186.16	195.75	
290	171.01	179.86	
295	154.00	162.05	
300	135.28	142.43	
305	115.04	121.25	
310	93.61	98.85	
315	71.60	75.91	
320	50.42	53.97	
325	34.58	37.79	
330	34.99	38.21	
335	52.06	55.66	
340	75.31	79.77	
345	100.30	105.84	
350	125.56	132.26	
355	150.41	158.28	

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