

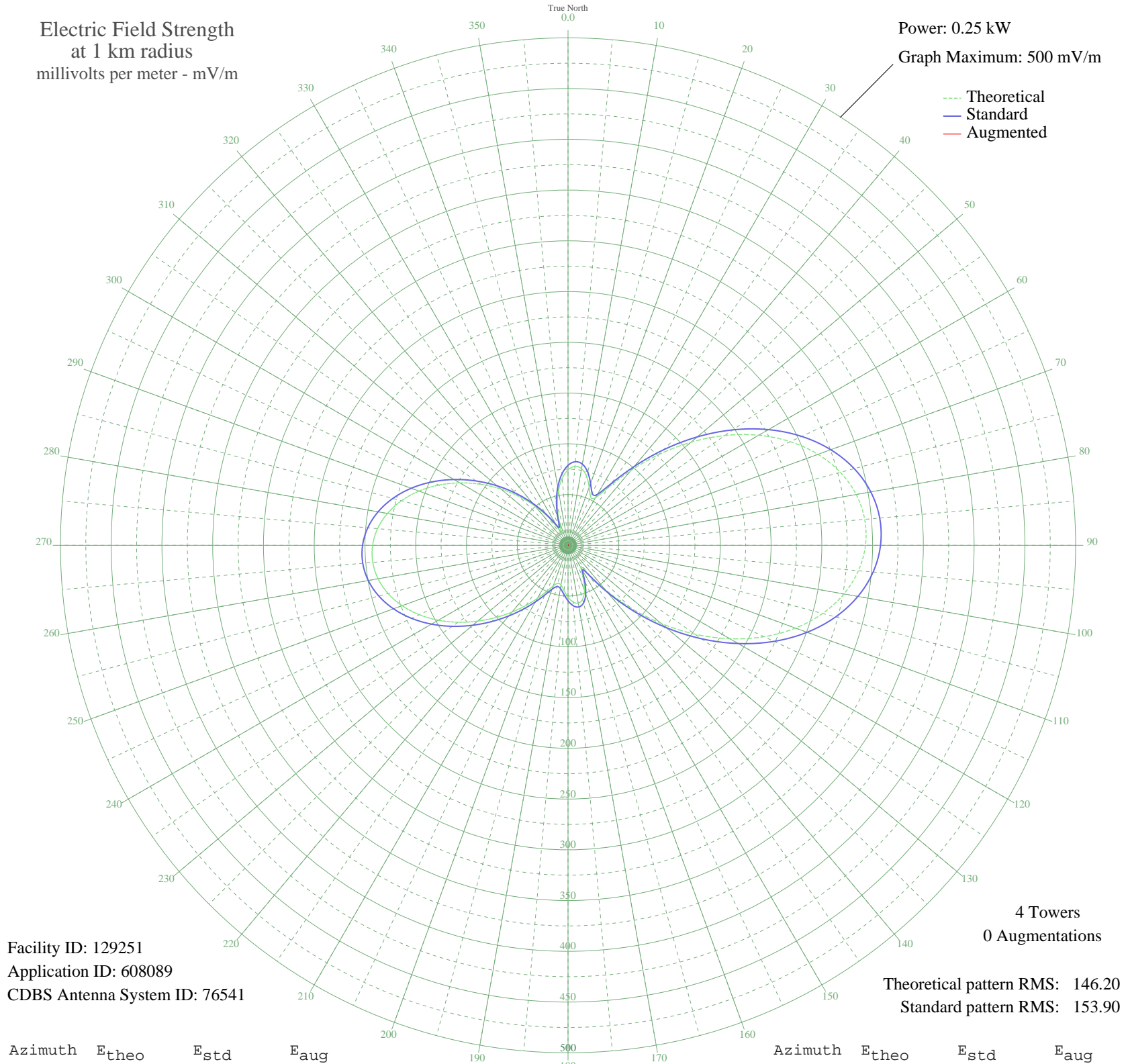
NONE RENO, NV BNP-20001020AAZ 550 kHz

Nighttime

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

Power: 0.25 kW
Graph Maximum: 500 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 129251
Application ID: 608089
CDBS Antenna System ID: 76541

4 Towers
0 Augmentations

Theoretical pattern RMS: 146.20
Standard pattern RMS: 153.90

Azimuth	E _{theo}	E _{std}	E _{aug}
0	74.35	78.81	
5	78.07	82.68	
10	76.70	81.26	
15	70.45	74.75	
20	60.93	64.88	
25	52.72	56.40	
30	54.22	57.94	
35	70.13	74.42	
40	95.97	101.34	
45	126.35	133.11	
50	157.94	166.19	
55	188.61	198.34	
60	216.87	227.96	
65	241.62	253.93	
70	262.10	275.41	
75	277.76	291.85	
80	288.25	302.85	
85	293.35	308.21	
90	292.99	307.82	
95	287.15	301.70	
100	275.95	289.95	
105	259.60	272.80	
110	238.46	250.61	
115	213.04	223.95	
120	184.08	193.58	
125	152.55	160.54	
130	119.67	126.11	
135	86.97	91.96	
140	56.54	60.34	
145	32.35	35.64	
150	25.01	28.39	
155	35.45	38.76	
160	47.38	50.91	
165	55.14	58.90	
170	57.85	61.70	
175	56.04	59.82	

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.

10 Nov 2011

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E _{theo}	E _{std}	E _{aug}
180	51.02	54.64	
185	44.75	48.21	
190	39.80	43.16	
195	38.76	42.10	
200	42.60	46.01	
205	50.29	53.89	
210	60.46	64.40	
215	72.41	76.79	
220	85.86	90.80	
225	100.60	106.18	
230	116.22	122.51	
235	132.12	139.15	
240	147.55	155.30	
245	161.73	170.16	
250	173.92	182.94	
255	183.50	192.98	
260	189.98	199.77	
265	193.03	202.97	
270	192.48	202.39	
275	188.31	198.02	
280	180.65	189.99	
285	169.81	178.62	
290	156.20	164.37	
295	140.39	147.81	
300	123.02	129.62	
305	104.74	110.51	
310	86.20	91.15	
315	67.91	72.11	
320	50.26	53.86	
325	33.68	36.98	
330	19.70	23.33	
335	15.88	19.86	
340	26.37	29.72	
345	40.64	44.02	
350	54.46	58.20	
355	66.13	70.27	