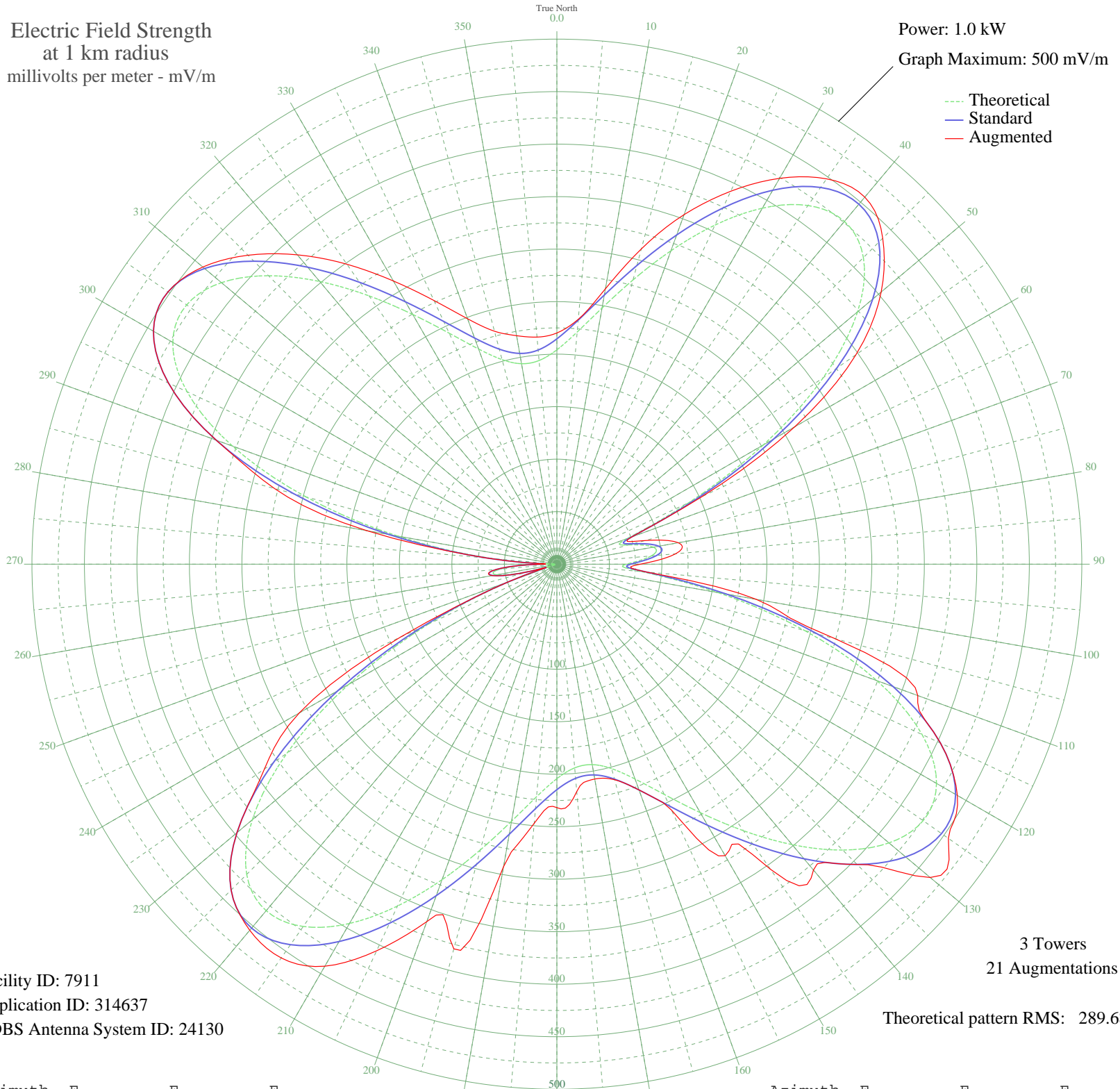


# KBOW BUTTE, MT BL-- 550 kHz

Nighttime

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

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 7911  
Application ID: 314637  
CDBS Antenna System ID: 24130

3 Towers  
21 Augmentations  
Theoretical pattern RMS: 289.68

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	204.10	214.56	220.15
5	221.92	233.25	234.06
10	247.66	260.25	266.29
15	280.23	294.43	310.77
20	317.57	333.62	354.22
25	356.28	374.25	391.84
30	391.47	411.17	424.25
35	416.96	437.94	447.94
40	426.09	447.51	456.27
45	412.90	433.67	438.92
50	373.92	392.76	403.24
55	309.88	325.55	347.79
60	227.12	238.70	261.54
65	138.78	146.09	153.54
70	71.31	75.61	76.03
75	70.83	75.11	86.88
80	93.34	98.57	117.49
85	90.35	95.45	113.59
90	66.14	70.24	79.58
95	80.80	85.49	85.49
100	155.95	164.09	192.83
105	244.65	257.09	274.59
110	324.47	340.86	365.80
115	383.81	403.13	403.13
120	417.52	438.53	440.49
125	425.87	447.28	455.25
130	412.95	433.72	464.17
135	384.98	404.36	404.36
140	348.63	366.22	380.22
145	309.85	325.52	354.64
150	273.24	287.10	320.55
155	241.91	254.22	258.41
160	217.70	228.82	228.82
165	201.54	211.87	212.52
170	193.82	203.78	207.74
175	194.71	204.71	217.36

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	204.25	214.72	231.83
185	222.34	233.69	247.71
190	248.53	261.17	292.49
195	281.71	295.98	379.24
200	319.76	335.91	362.25
205	359.20	377.30	406.24
210	395.08	414.96	442.06
215	421.18	442.37	457.76
220	430.76	452.42	455.10
225	417.81	438.82	438.82
230	378.71	397.78	397.78
235	313.93	329.79	340.04
240	229.09	240.78	283.24
245	134.98	142.11	164.51
250	46.00	49.43	49.43
255	22.64	25.99	25.99
260	58.29	62.10	62.44
265	54.22	57.89	58.08
270	11.24	15.79	15.79
275	62.64	66.60	66.60
280	153.88	161.92	183.88
285	247.21	259.79	278.52
290	328.75	345.34	345.34
295	388.67	408.24	408.24
300	422.43	443.67	443.67
305	430.48	452.13	452.13
310	417.07	438.05	440.23
315	388.48	408.03	416.06
320	351.42	369.14	384.55
325	311.91	327.67	348.70
330	274.61	288.53	311.41
335	242.69	255.04	277.06
340	218.05	229.20	248.69
345	201.65	211.99	229.66
350	193.84	203.80	220.93
355	194.68	204.68	217.07

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