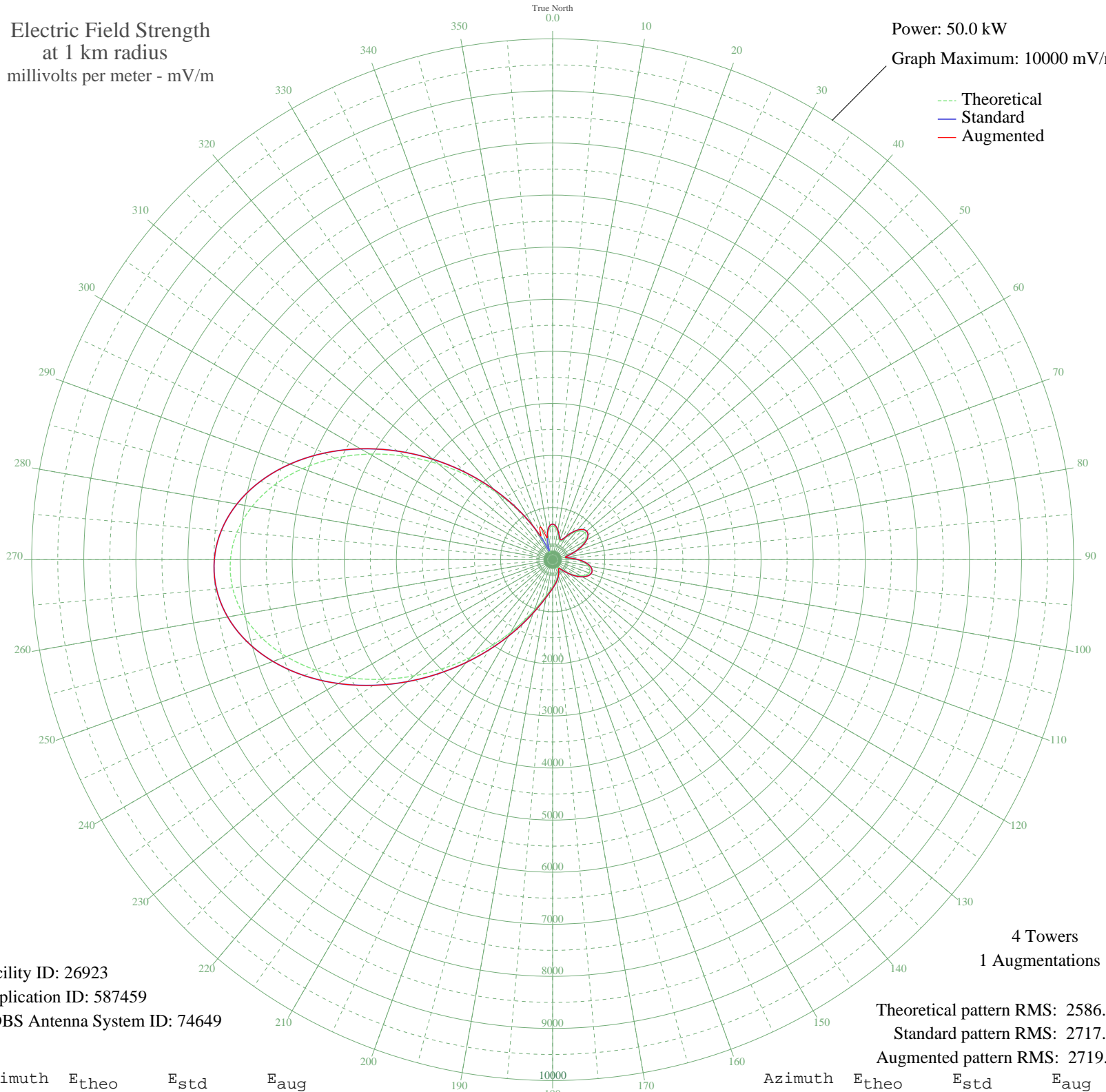


# KMJ FRESNO, CA BL-20011108AAQ 580 kHz

Nighttime

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

Power: 50.0 kW  
Graph Maximum: 10000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 26923  
Application ID: 587459  
CDBS Antenna System ID: 74649

4 Towers  
1 Augmentations

Theoretical pattern RMS: 2586.80  
Standard pattern RMS: 2717.39  
Augmented pattern RMS: 2719.10

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	644.77	682.01	682.01
5	615.12	651.11	651.11
10	543.36	576.44	576.44
15	454.42	484.19	484.19
20	389.40	417.08	417.08
25	396.74	424.64	424.64
30	479.51	510.18	510.18
35	593.88	628.99	628.99
40	700.82	740.45	740.45
45	776.47	819.44	819.44
50	806.92	851.27	851.27
55	785.40	828.78	828.78
60	711.52	751.62	751.62
65	591.45	626.46	626.46
70	439.56	468.83	468.83
75	287.45	312.86	312.86
80	222.63	247.85	247.85
85	317.24	343.14	343.14
90	464.89	495.03	495.03
95	597.88	633.16	633.16
100	693.44	732.76	732.76
105	742.58	784.04	784.04
110	743.67	785.19	785.19
115	700.61	740.24	740.24
120	621.58	657.83	657.83
125	517.91	550.01	550.01
130	403.17	431.27	431.27
135	293.26	318.75	318.75
140	209.29	234.68	234.68
145	178.29	204.53	204.53
150	202.55	228.07	228.07
155	250.02	275.14	275.14
160	300.47	326.07	326.07
165	349.80	376.41	376.41
170	400.00	428.00	428.00
175	454.60	484.39	484.39

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	517.85	549.95	549.95
185	595.94	631.14	631.14
190	698.67	738.21	738.21
195	839.26	885.07	885.07
200	1031.70	1086.41	1086.41
205	1286.81	1353.65	1353.65
210	1609.68	1692.17	1692.17
215	1999.10	2100.67	2100.67
220	2447.88	2571.59	2571.59
225	2943.66	3091.94	3091.94
230	3469.57	3643.98	3643.98
235	4005.24	4206.31	4206.31
240	4527.92	4755.03	4755.03
245	5013.92	5265.26	5265.26
250	5440.09	5712.69	5712.69
255	5785.40	6075.23	6075.23
260	6032.32	6334.47	6334.47
265	6167.93	6476.85	6476.85
270	6184.70	6494.46	6494.46
275	6080.79	6385.36	6385.36
280	5860.05	6153.61	6153.61
285	5531.57	5808.73	5808.73
290	5108.96	5365.04	5365.04
295	4609.46	4840.63	4840.63
300	4052.86	4256.30	4256.30
305	3460.44	3634.39	3634.39
310	2853.81	2997.64	2997.64
315	2254.01	2368.15	2368.15
320	1680.61	1766.57	1766.57
325	1151.27	1211.63	1211.63
330	682.22	721.06	721.06
335	296.36	321.89	542.53
340	161.05	188.10	665.54
345	357.06	383.86	433.62
350	521.61	553.85	553.85
355	616.77	652.83	652.83

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.

02 Feb 2010

Prepared by Audio Division, Media Bureau  
Federal Communications Commission