

NEW FARMINGTON, NM BNP-20001023ADM 1090 kHz

Daytime

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

Power: 1.5 kW  
Graph Maximum: 1000 mV/m

Theoretical  
Standard  
Augmented

Facility ID: 129609  
Application ID: 617585  
CDBS Antenna System ID: 77451

2 Towers  
0 Augmentations

Theoretical pattern RMS: 385.60  
Standard pattern RMS: 405.10

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	368.06	386.67	
5	333.69	350.61	
10	297.88	313.04	
15	261.59	274.97	
20	226.13	237.78	
25	193.34	203.41	
30	165.80	174.57	
35	146.85	154.73	
40	139.56	147.10	
45	144.56	152.33	
50	159.17	167.62	
55	179.40	188.81	
60	201.93	212.42	
65	224.57	236.15	
70	245.95	258.57	
75	265.27	278.83	
80	282.04	296.42	
85	295.96	311.03	
90	306.89	322.49	
95	314.73	330.71	
100	319.44	335.66	
105	321.01	337.31	
110	319.44	335.66	
115	314.73	330.71	
120	306.89	322.49	
125	295.96	311.03	
130	282.04	296.42	
135	265.27	278.83	
140	245.95	258.57	
145	224.57	236.15	
150	201.93	212.42	
155	179.40	188.81	
160	159.17	167.62	
165	144.56	152.33	
170	139.56	147.10	
175	146.85	154.73	

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 <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	165.80	174.57	
185	193.34	203.41	
190	226.13	237.78	
195	261.59	274.97	
200	297.88	313.04	
205	333.69	350.61	
210	368.06	386.67	
215	400.29	420.50	
220	429.90	451.57	
225	456.57	479.57	
230	480.14	504.31	
235	500.59	525.77	
240	517.98	544.03	
245	532.50	559.27	
250	544.36	571.72	
255	553.85	581.68	
260	561.24	589.45	
265	566.84	595.32	
270	570.88	599.56	
275	573.60	602.42	
280	575.17	604.06	
285	575.68	604.60	
290	575.17	604.06	
295	573.60	602.42	
300	570.88	599.56	
305	566.84	595.32	
310	561.24	589.45	
315	553.85	581.68	
320	544.36	571.72	
325	532.50	559.27	
330	517.98	544.03	
335	500.59	525.77	
340	480.14	504.31	
345	456.57	479.57	
350	429.90	451.57	
355	400.29	420.50	