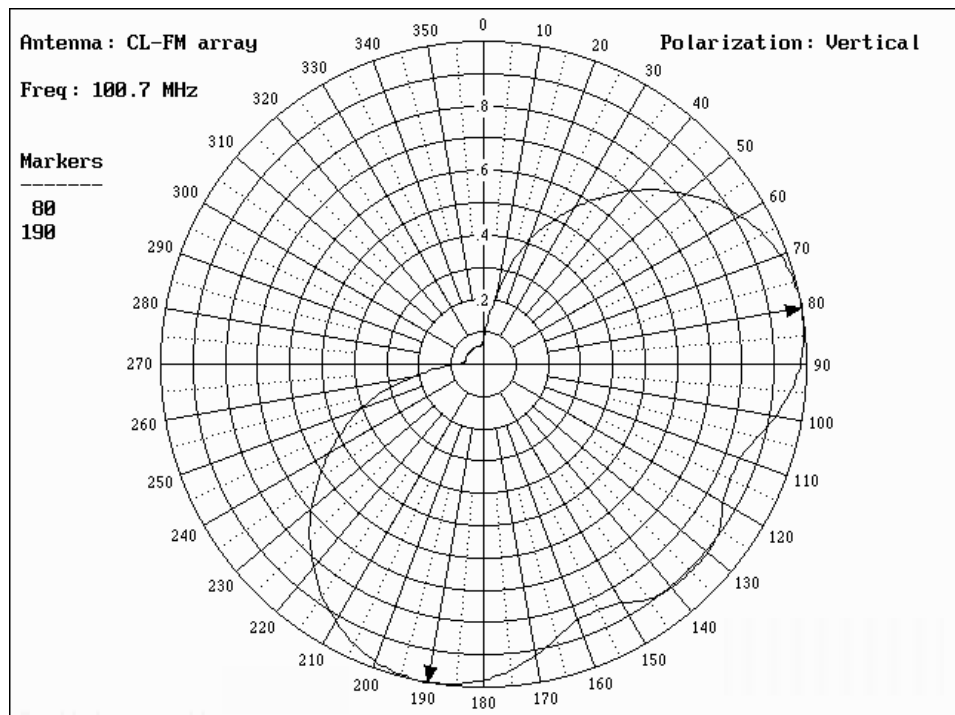
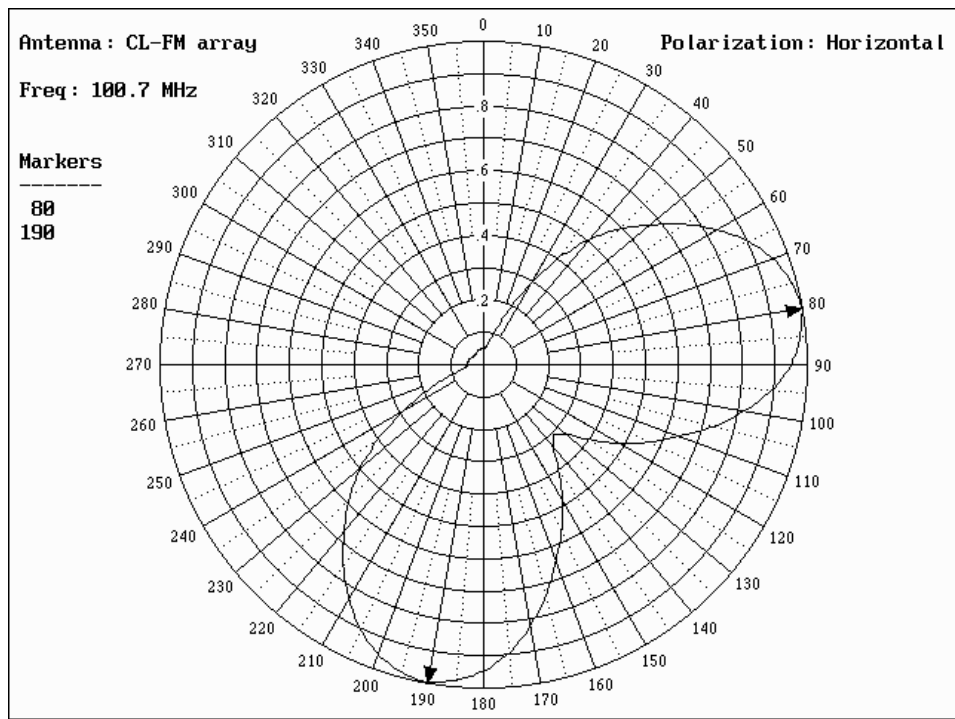


Win Radio
Application for Modification of FM Translator Construction Permit
Facility ID 144440 -- Channel 264 -- Islip, NY

Exhibit 10C -- Proposed Transmit Antenna Description

The proposed transmit antenna will consist of a vertically-stacked array of two Kathrein/Scala model CL-FM log-periodic antennas centered at 100 meters above ground level on the southeast leg of the tower, oriented at azimuths of 80 and 190 degrees true, and fed in phase through a "50/50 percent" power divider. The radiating elements of each CL-FM assembly will be slanted 45 degrees from the horizon to emit equal power in the horizontal and vertical polarizations at the center of each major lobe.

The attached plots and tabulations show that the calculated relative field of a horizontally-polarized CL-FM array with similar azimuth orientation does not exceed that of a vertically-polarized CL-FM array at any bearing. The vertically-polarized values have been entered in the Form 349 tech box.



Antenna: CL-FM array - 110 degree skew at 80 and 190 degrees True
Frequency: 100.7 MHz Polarization: Horizontal

Azimuth	Field	Rel.dB	dBd	Pwr Gain
0	0.050	-26.1	-22.5	0.006
5	0.050	-26.1	-22.5	0.006
10	0.059	-24.5	-20.9	0.008
15	0.084	-21.5	-17.9	0.016
20	0.124	-18.1	-14.6	0.035
25	0.193	-14.3	-10.7	0.085
30	0.287	-10.8	-7.3	0.186
35	0.396	-8.1	-4.5	0.355
40	0.503	-6.0	-2.4	0.575
45	0.593	-4.5	-1.0	0.794
50	0.672	-3.5	0.1	1.023
55	0.756	-2.4	1.2	1.318
60	0.837	-1.5	2.0	1.585
65	0.906	-0.9	2.7	1.862
70	0.955	-0.4	3.2	2.089
75	0.983	-0.2	3.4	2.188
80	1.000	0.0	3.6	2.291
85	0.980	-0.2	3.4	2.188
90	0.950	-0.4	3.1	2.042
95	0.896	-1.0	2.6	1.820
100	0.822	-1.7	1.9	1.549
105	0.738	-2.6	0.9	1.230
110	0.649	-3.8	-0.2	0.955
115	0.567	-4.9	-1.4	0.724
120	0.485	-6.3	-2.7	0.537
125	0.401	-7.9	-4.4	0.363
130	0.332	-9.6	-6.0	0.251
135	0.307	-10.3	-6.7	0.214
140	0.332	-9.6	-6.0	0.251
145	0.401	-7.9	-4.4	0.363
150	0.485	-6.3	-2.7	0.537
155	0.567	-4.9	-1.4	0.724
160	0.649	-3.8	-0.2	0.955
165	0.738	-2.6	0.9	1.230
170	0.822	-1.7	1.9	1.549
175	0.896	-1.0	2.6	1.820
180	0.950	-0.4	3.1	2.042
185	0.980	-0.2	3.4	2.188
190	1.000	0.0	3.6	2.291
195	0.983	-0.2	3.4	2.188
200	0.955	-0.4	3.2	2.089
205	0.906	-0.9	2.7	1.862
210	0.837	-1.5	2.0	1.585
215	0.756	-2.4	1.2	1.318
220	0.672	-3.5	0.1	1.023
225	0.593	-4.5	-1.0	0.794
230	0.503	-6.0	-2.4	0.575
235	0.396	-8.1	-4.5	0.355
240	0.287	-10.8	-7.3	0.186
245	0.193	-14.3	-10.7	0.085
250	0.124	-18.1	-14.6	0.035
255	0.084	-21.5	-17.9	0.016
260	0.059	-24.5	-20.9	0.008
265	0.050	-26.1	-22.5	0.006
270	0.050	-26.1	-22.5	0.006
275	0.050	-26.1	-22.5	0.006
280	0.050	-26.1	-22.5	0.006
285	0.049	-26.2	-22.6	0.005
290	0.048	-26.4	-22.8	0.005
295	0.046	-26.8	-23.3	0.005
300	0.043	-27.3	-23.7	0.004
305	0.041	-27.7	-24.1	0.004
310	0.040	-28.0	-24.5	0.004
315	0.040	-28.0	-24.5	0.004
320	0.040	-28.0	-24.5	0.004
325	0.041	-27.7	-24.1	0.004
330	0.043	-27.3	-23.7	0.004
335	0.046	-26.8	-23.3	0.005
340	0.048	-26.4	-22.8	0.005
345	0.049	-26.2	-22.6	0.005
350	0.050	-26.1	-22.5	0.006
355	0.050	-26.1	-22.5	0.006

Antenna: CL-FM array - 110 degree skew at 80 and 190 degrees True
Frequency: 100.7 MHz Polarization: Vertical

Azimuth	Field	Rel.dB	dBd	Pwr Gain
0	0.078	-22.2	-18.4	0.014
5	0.136	-17.3	-13.6	0.044
10	0.214	-13.4	-9.7	0.107
15	0.320	-9.9	-6.1	0.245
20	0.408	-7.8	-4.0	0.398
25	0.483	-6.3	-2.6	0.550
30	0.557	-5.1	-1.3	0.741
35	0.629	-4.0	-0.3	0.933
40	0.699	-3.1	0.6	1.148
45	0.763	-2.4	1.4	1.380
50	0.823	-1.7	2.1	1.622
55	0.876	-1.1	2.6	1.820
60	0.919	-0.7	3.0	1.995
65	0.954	-0.4	3.3	2.138
70	0.981	-0.2	3.6	2.291
75	0.994	-0.1	3.7	2.344
80	1.000	-0.0	3.7	2.344
85	0.994	-0.1	3.7	2.344
90	0.981	-0.2	3.6	2.291
95	0.954	-0.4	3.3	2.138
100	0.919	-0.7	3.0	1.995
105	0.876	-1.1	2.6	1.820
110	0.842	-1.5	2.3	1.698
115	0.840	-1.5	2.2	1.660
120	0.854	-1.4	2.4	1.738
125	0.891	-1.0	2.7	1.862
130	0.906	-0.9	2.9	1.950
135	0.908	-0.8	2.9	1.950
140	0.906	-0.9	2.9	1.950
145	0.891	-1.0	2.7	1.862
150	0.854	-1.4	2.4	1.738
155	0.840	-1.5	2.2	1.660
160	0.842	-1.5	2.3	1.698
165	0.876	-1.1	2.6	1.820
170	0.919	-0.7	3.0	1.995
175	0.954	-0.4	3.3	2.138
180	0.981	-0.2	3.6	2.291
185	0.994	-0.1	3.7	2.344
190	1.000	-0.0	3.7	2.344
195	0.994	-0.1	3.7	2.344
200	0.981	-0.2	3.6	2.291
205	0.954	-0.4	3.3	2.138
210	0.919	-0.7	3.0	1.995
215	0.876	-1.1	2.6	1.820
220	0.823	-1.7	2.1	1.622
225	0.763	-2.4	1.4	1.380
230	0.699	-3.1	0.6	1.148
235	0.629	-4.0	-0.3	0.933
240	0.557	-5.1	-1.3	0.741
245	0.483	-6.3	-2.6	0.550
250	0.408	-7.8	-4.0	0.398
255	0.320	-9.9	-6.1	0.245
260	0.214	-13.4	-9.7	0.107
265	0.136	-17.3	-13.6	0.044
270	0.078	-22.2	-18.4	0.014
275	0.058	-24.7	-20.9	0.008
280	0.058	-24.7	-20.9	0.008
285	0.058	-24.7	-20.9	0.008
290	0.058	-24.7	-20.9	0.008
295	0.058	-24.7	-20.9	0.008
300	0.058	-24.7	-20.9	0.008
305	0.058	-24.7	-20.9	0.008
310	0.058	-24.7	-20.9	0.008
315	0.058	-24.7	-20.9	0.008
320	0.058	-24.7	-20.9	0.008
325	0.058	-24.7	-20.9	0.008
330	0.058	-24.7	-20.9	0.008
335	0.058	-24.7	-20.9	0.008
340	0.058	-24.7	-20.9	0.008
345	0.058	-24.7	-20.9	0.008
350	0.058	-24.7	-20.9	0.008
355	0.058	-24.7	-20.9	0.008