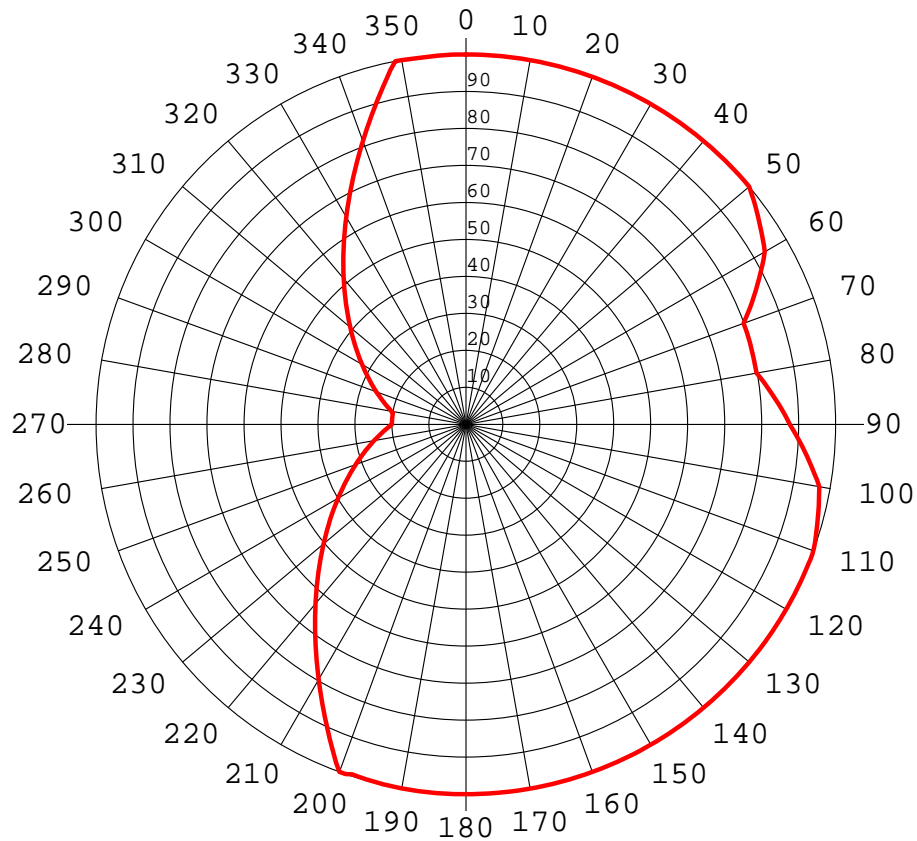


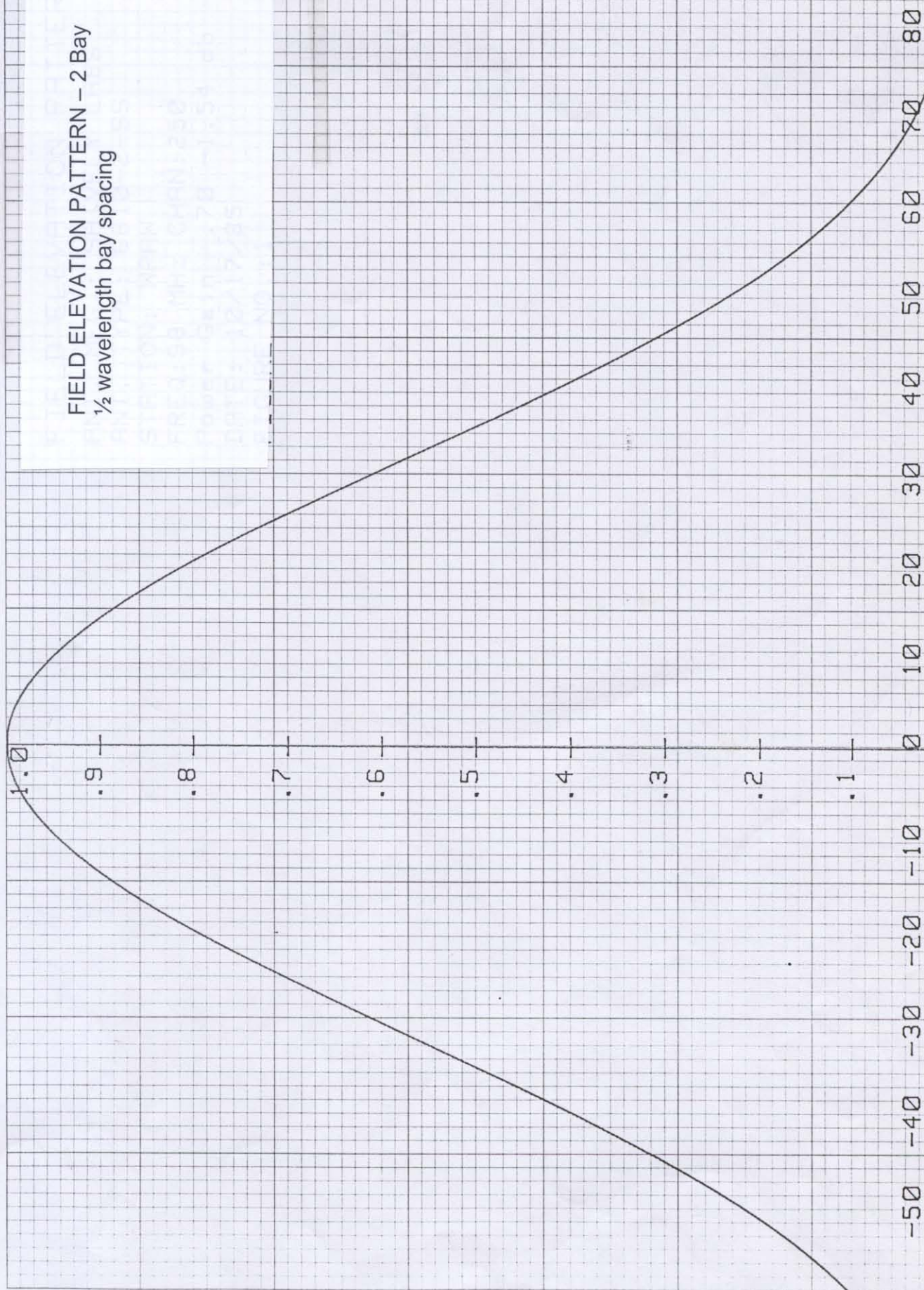
Composite Azimuth Pattern



Azi	Rel	dBk	kW	dB	Azi	Rel	dBk	kW	dB
0	1.000	3.22	2.100	0.00	180	1.000	3.22	2.100	0.00
10	1.000	3.22	2.100	0.00	190	1.000	3.22	2.100	0.00
20	1.000	3.22	2.100	0.00	200	1.000	3.22	2.100	0.00
30	1.000	3.22	2.100	0.00	210	0.796	1.24	1.331	-1.99
40	1.000	3.22	2.100	0.00	220	0.632	-0.76	0.839	-3.99
50	1.000	3.22	2.100	0.00	230	0.502	-2.76	0.529	-5.99
60	0.933	2.62	1.828	-0.60	240	0.399	-4.76	0.334	-7.98
70	0.799	1.27	1.341	-1.95	250	0.317	-6.76	0.211	-9.98
80	0.798	1.26	1.337	-1.96	260	0.252	-8.75	0.133	-11.97
90	0.876	2.07	1.611	-1.15	270	0.200	-10.75	0.084	-13.97
100	0.970	2.96	1.976	-0.26	280	0.205	-10.54	0.088	-13.76
110	1.000	3.22	2.100	0.00	290	0.258	-8.55	0.140	-11.77
120	1.000	3.22	2.100	0.00	300	0.324	-6.57	0.220	-9.79
130	1.000	3.22	2.100	0.00	310	0.408	-4.57	0.350	-7.80
140	1.000	3.22	2.100	0.00	320	0.514	-2.57	0.555	-5.80
150	1.000	3.22	2.100	0.00	330	0.647	-0.57	0.879	-3.80
160	1.000	3.22	2.100	0.00	340	0.815	1.47	1.395	-1.80
170	1.000	3.22	2.100	0.00	350	1.000	3.22	2.100	0.00

Rotation Angle = 0

FIELD ELEVATION PATTERN - 2 Bay
 $\frac{1}{2}$ wavelength bay spacing



Directional Antenna

The proposed custom directional antenna pattern meets the Commission's rules in that the radio frequency emission does not change more than two dB for each ten degrees of azimuthal variation. Also, the maximum pattern attenuation in the deepest null is less than 15 dB. The pattern shown is a composite of the maximum field values in the horizontal and vertical planes.

The proposed antenna will be mounted on the sides of a post that has been specified by the antenna manufacturer in accordance with the instructions provided by the manufacturer. The antenna will not be mounted on the top of a tower that includes a top mounted platform larger than the nominal cross-sectional area of the tower in the horizontal plane. No other antennas of any type will be mounted at the same tower level as the directional antenna nor within the horizontal or vertical distance specified by the manufacturer as being necessary to maintain proper directional operation. The antenna will be designed and tested by a major manufacturer of broadcast antennas known to the Commission. The pattern will be achieved through traditional methods including power-splitting, resonators and phasing.