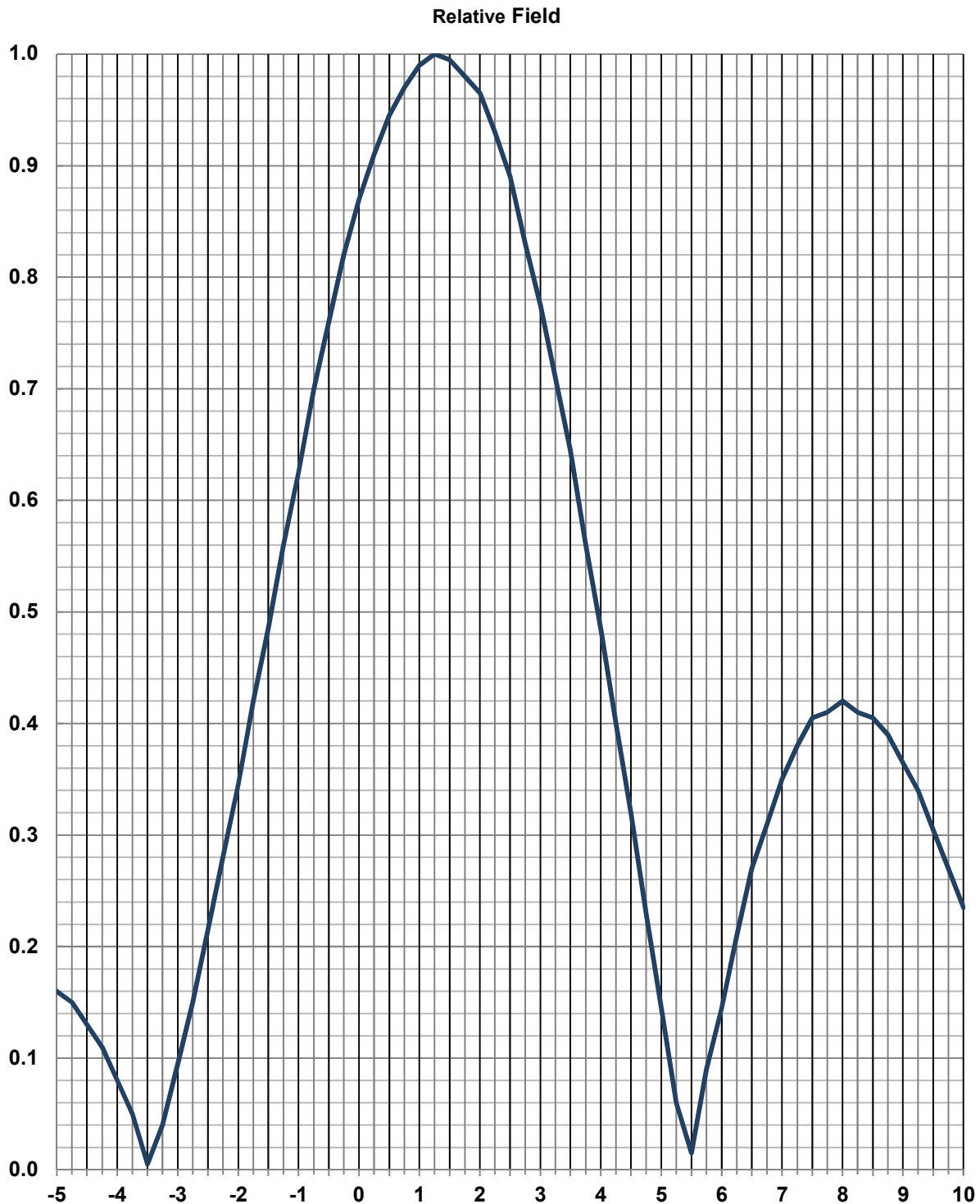


Elevation Pattern

Type:	i230NC-16-40	Polarization:	Horizontal
Directivity:		Frequency:	40 (ATSC)
Main Lobe:	12.58 numeric (11.00 dB)	Location:	United States
Horizontal:	10.42 numeric (10.18 dB)	Beam Tilt:	1.00 degrees



Tabulated Data for Elevation Pattern**Type:** i230NC-16-40

-5 to 10 degrees in 0.25 degree increments.

10 to 90 degrees in 0.50 degree increments.

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
-10.00	0.120	-18.42	2.25	0.890	-1.01	19.00	0.070	-23.10	43.50	0.140	-17.08	68.00	0.040	-27.96
-9.75	0.115	-18.79	2.50	0.830	-1.62	19.50	0.040	-27.96	44.00	0.100	-20.00	68.50	0.050	-26.02
-9.50	0.110	-19.17	2.75	0.775	-2.21	20.00	0.020	-33.98	44.50	0.070	-23.10	69.00	0.050	-26.02
-9.25	0.100	-20.00	3.00	0.710	-2.97	20.50	0.050	-26.02	45.00	0.030	-30.46	69.50	0.050	-26.02
-9.00	0.090	-20.92	3.25	0.645	-3.81	21.00	0.080	-21.94	45.50	0.000	---	70.00	0.060	-24.44
-8.75	0.085	-21.41	3.50	0.560	-5.04	21.50	0.090	-20.92	46.00	0.030	-30.46	70.50	0.060	-24.44
-8.50	0.080	-21.94	3.75	0.485	-6.29	22.00	0.100	-20.00	46.50	0.050	-26.02	71.00	0.060	-24.44
-8.25	0.065	-23.74	4.00	0.400	-7.96	22.50	0.080	-21.94	47.00	0.070	-23.10	71.50	0.060	-24.44
-8.00	0.060	-24.44	4.25	0.320	-9.90	23.00	0.060	-24.44	47.50	0.080	-21.94	72.00	0.060	-24.44
-7.75	0.070	-23.10	4.50	0.230	-12.77	23.50	0.020	-33.98	48.00	0.090	-20.92	72.50	0.070	-23.10
-7.50	0.080	-21.94	4.75	0.145	-16.77	24.00	0.030	-30.46	48.50	0.100	-20.00	73.00	0.070	-23.10
-7.25	0.090	-20.92	5.00	0.060	-24.44	24.50	0.080	-21.94	49.00	0.110	-19.17	73.50	0.070	-23.10
-7.00	0.100	-20.00	5.25	0.015	-36.48	25.00	0.140	-17.08	49.50	0.110	-19.17	74.00	0.070	-23.10
-6.75	0.120	-18.42	5.50	0.090	-20.92	25.50	0.200	-13.98	50.00	0.100	-20.00	74.50	0.070	-23.10
-6.50	0.140	-17.08	5.75	0.145	-16.77	26.00	0.250	-12.04	50.50	0.100	-20.00	75.00	0.070	-23.10
-6.25	0.150	-16.48	6.00	0.210	-13.56	26.50	0.290	-10.75	51.00	0.090	-20.92	75.50	0.070	-23.10
-6.00	0.160	-15.92	6.25	0.270	-11.37	27.00	0.320	-9.90	51.50	0.090	-20.92	76.00	0.070	-23.10
-5.75	0.160	-15.92	6.50	0.310	-10.17	27.50	0.340	-9.37	52.00	0.080	-21.94	76.50	0.070	-23.10
-5.50	0.160	-15.92	6.75	0.350	-9.12	28.00	0.340	-9.37	52.50	0.070	-23.10	77.00	0.070	-23.10
-5.25	0.160	-15.92	7.00	0.380	-8.40	28.50	0.330	-9.63	53.00	0.070	-23.10	77.50	0.070	-23.10
-5.00	0.150	-16.48	7.25	0.405	-7.85	29.00	0.310	-10.17	53.50	0.060	-24.44	78.00	0.060	-24.44
-4.75	0.130	-17.72	7.50	0.410	-7.74	29.50	0.280	-11.06	54.00	0.050	-26.02	78.50	0.060	-24.44
-4.50	0.110	-19.17	7.75	0.420	-7.54	30.00	0.240	-12.40	54.50	0.050	-26.02	79.00	0.060	-24.44
-4.25	0.080	-21.94	8.00	0.410	-7.74	30.50	0.200	-13.98	55.00	0.040	-27.96	79.50	0.060	-24.44
-4.00	0.050	-26.02	8.25	0.405	-7.85	31.00	0.160	-15.92	55.50	0.040	-27.96	80.00	0.060	-24.44
-3.75	0.005	-46.02	8.50	0.390	-8.18	31.50	0.120	-18.42	56.00	0.030	-30.46	80.50	0.060	-24.44
-3.50	0.040	-27.96	8.75	0.365	-8.75	32.00	0.080	-21.94	56.50	0.030	-30.46	81.00	0.050	-26.02
-3.25	0.095	-20.45	9.00	0.340	-9.37	32.50	0.050	-26.02	57.00	0.020	-33.98	81.50	0.050	-26.02
-3.00	0.150	-16.48	9.25	0.305	-10.31	33.00	0.030	-30.46	57.50	0.020	-33.98	82.00	0.050	-26.02
-2.75	0.215	-13.35	9.50	0.270	-11.37	33.50	0.010	-40.00	58.00	0.010	-40.00	82.50	0.050	-26.02
-2.50	0.280	-11.06	9.75	0.235	-12.58	34.00	0.000	---	58.50	0.010	-40.00	83.00	0.050	-26.02
-2.25	0.345	-9.24	10.00	0.200	-13.98	34.50	0.020	-33.98	59.00	0.010	-40.00	83.50	0.050	-26.02
-2.00	0.420	-7.54	10.50	0.130	-17.72	35.00	0.040	-27.96	59.50	0.000	---	84.00	0.050	-26.02
-1.75	0.485	-6.29	11.00	0.070	-23.10	35.50	0.070	-23.10	60.00	0.000	---	84.50	0.050	-26.02
-1.50	0.560	-5.04	11.50	0.060	-24.44	36.00	0.100	-20.00	60.50	0.000	---	85.00	0.040	-27.96
-1.25	0.625	-4.08	12.00	0.050	-26.02	36.50	0.140	-17.08	61.00	0.000	---	85.50	0.040	-27.96
-1.00	0.700	-3.10	12.50	0.070	-23.10	37.00	0.180	-14.89	61.50	0.000	---	86.00	0.040	-27.96
-0.75	0.760	-2.38	13.00	0.070	-23.10	37.50	0.210	-13.56	62.00	0.000	---	86.50	0.040	-27.96
-0.50	0.820	-1.72	13.50	0.050	-26.02	38.00	0.240	-12.40	62.50	0.010	-40.00	87.00	0.040	-27.96
-0.25	0.870	-1.21	14.00	0.020	-33.98	38.50	0.260	-11.70	63.00	0.010	-40.00	87.50	0.040	-27.96
0.00	0.910	-0.82	14.50	0.020	-33.98	39.00	0.280	-11.06	63.50	0.010	-40.00	88.00	0.040	-27.96
0.25	0.945	-0.49	15.00	0.060	-24.44	39.50	0.290	-10.75	64.00	0.010	-40.00	88.50	0.040	-27.96
0.50	0.970	-0.26	15.50	0.100	-20.00	40.00	0.300	-10.46	64.50	0.010	-40.00	89.00	0.040	-27.96
0.75	0.990	-0.09	16.00	0.130	-17.72	40.50	0.290	-10.75	65.00	0.020	-33.98	89.50	0.040	-27.96
1.00	1.000	0.00	16.50	0.150	-16.48	41.00	0.280	-11.06	65.50	0.020	-33.98	90.00	0.040	-27.96
1.25	0.995	-0.04	17.00	0.160	-15.92	41.50	0.260	-11.70	66.00	0.020	-33.98			
1.50	0.980	-0.18	17.50	0.150	-16.48	42.00	0.230	-12.77	66.50	0.030	-30.46			
1.75	0.965	-0.31	18.00	0.140	-17.08	42.50	0.200	-13.98	67.00	0.030	-30.46			
2.00	0.930	-0.63	18.50	0.110	-19.17	43.00	0.170	-15.39	67.50	0.040	-27.96			