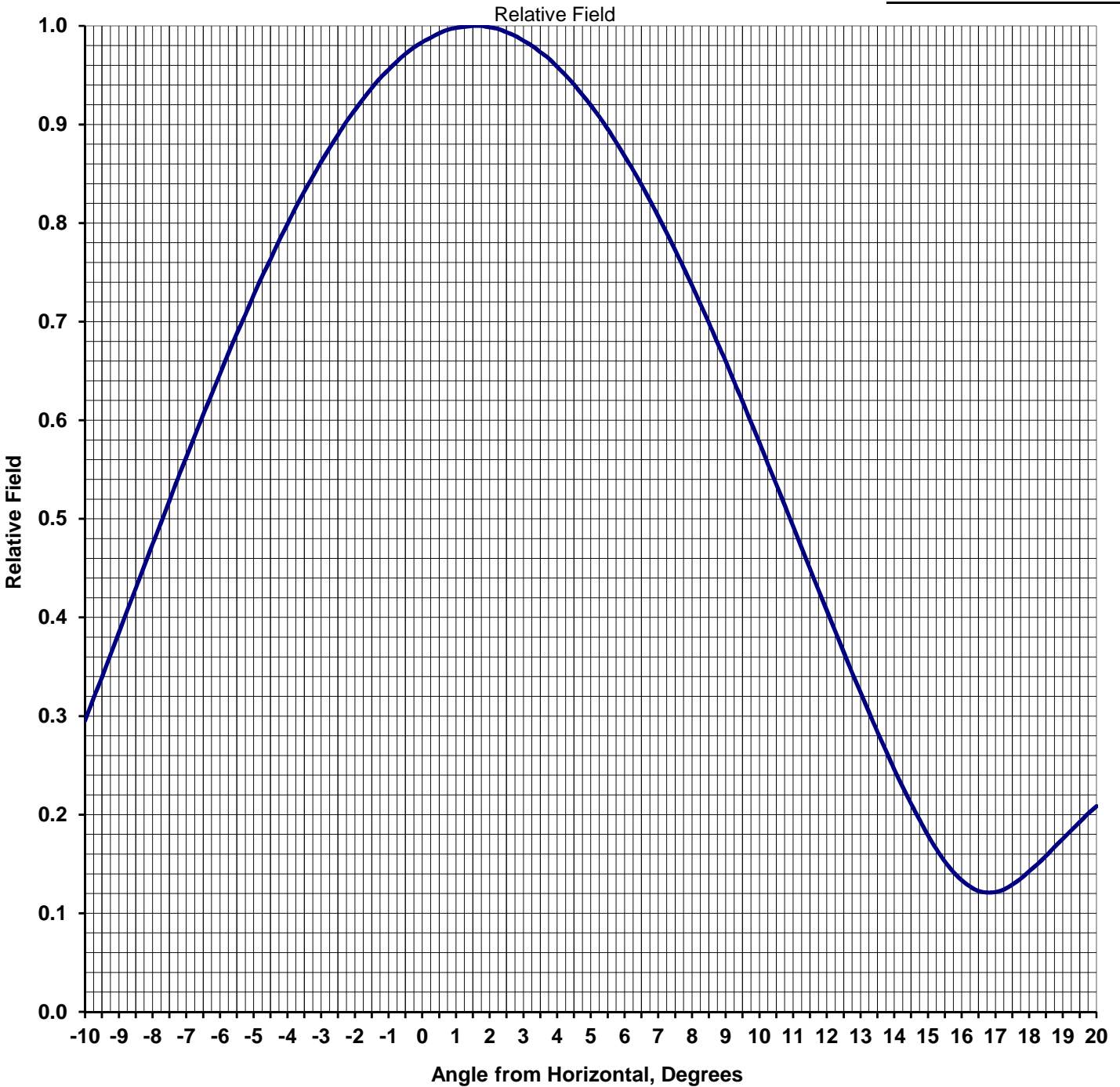


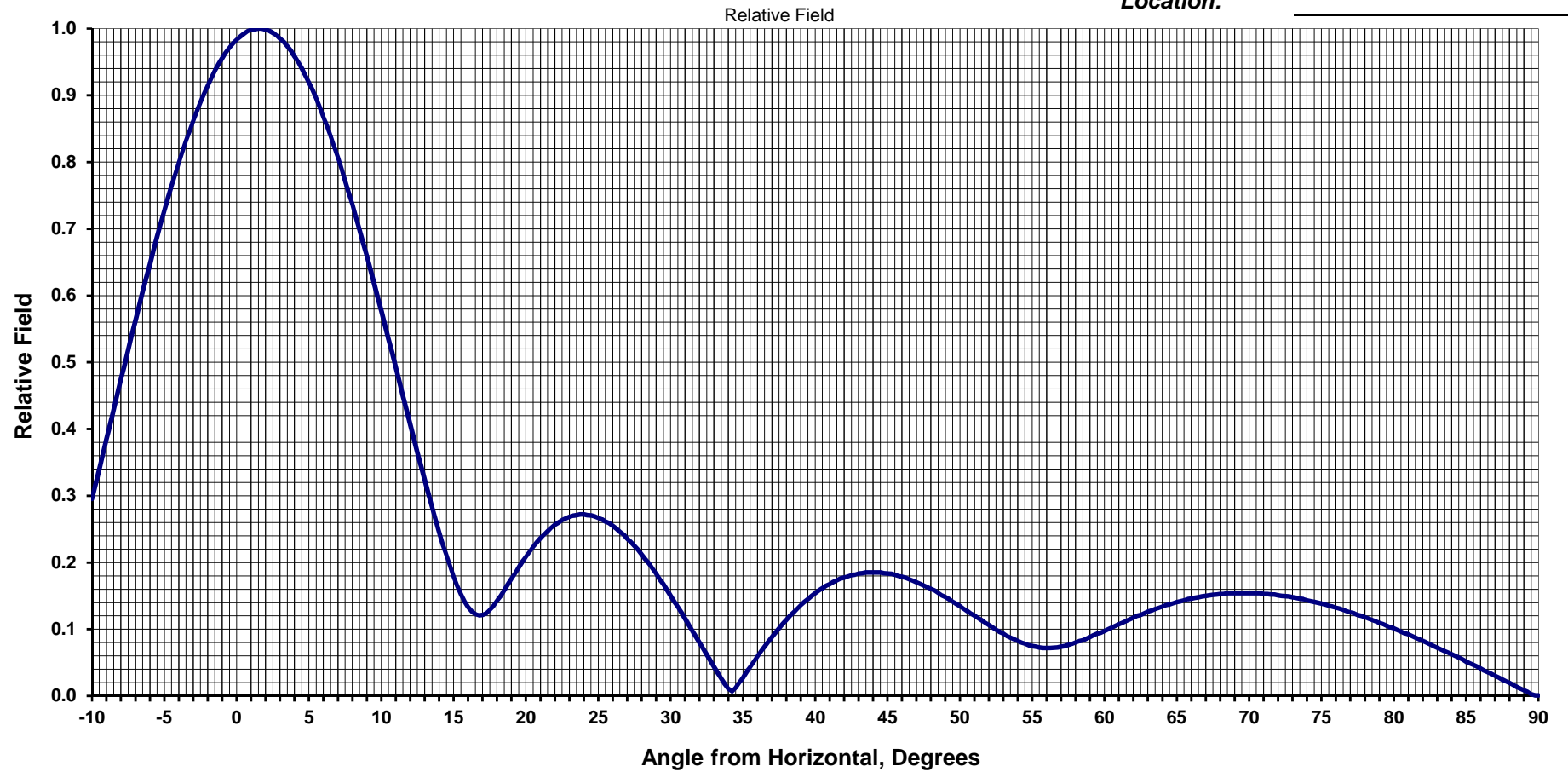
ELEVATION PATTERN

TYPE:	ALV4V7	
Directivity:	Numeric	dBd
Main Lobe:	4.32	(6.35)
Horizontal:	4.18	(6.21)
Beam Tilt:	1.75 degrees	
Polarization:	Horizontal	
Channel:		
Location:		



ELEVATION PATTERN

TYPE:	ALV4V7	
Directivity:	Numeric	dBd
Main Lobe:	4.32	6.35
Horizontal:	4.18	6.21
Beam Tilt:	1.75 degrees	
Polarization:	Horizontal	
Frequency:		
Location:		



TABULATED DATA FOR ELEVATION PATTERN

TYPE: **ALV4V7**

-10 to 10 degrees in 0.25 increments

10 to 90 degrees in 0.50 increments

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-10.00	0.296	-10.59	2.25	0.997	-0.03	18.50	0.158	-16.03	43.00	0.184	-14.73	67.50	0.152	-16.39
-9.75	0.318	-9.95	2.50	0.994	-0.06	19.00	0.176	-15.11	43.50	0.185	-14.66	68.00	0.153	-16.31
-9.50	0.340	-9.38	2.75	0.990	-0.09	19.50	0.193	-14.31	44.00	0.185	-14.66	68.50	0.154	-16.25
-9.25	0.362	-8.83	3.00	0.985	-0.13	20.00	0.209	-13.62	44.50	0.185	-14.66	69.00	0.154	-16.25
-9.00	0.385	-8.30	3.25	0.980	-0.18	20.50	0.224	-13.01	45.00	0.184	-14.73	69.50	0.154	-16.25
-8.75	0.407	-7.81	3.50	0.974	-0.23	21.00	0.237	-12.52	45.50	0.182	-14.82	70.00	0.154	-16.25
-8.50	0.430	-7.34	3.75	0.967	-0.29	21.50	0.247	-12.15	46.00	0.179	-14.97	70.50	0.154	-16.25
-8.25	0.452	-6.90	4.00	0.959	-0.37	22.00	0.257	-11.82	46.50	0.175	-15.14	71.00	0.153	-16.31
-8.00	0.475	-6.48	4.25	0.950	-0.45	22.50	0.264	-11.58	47.00	0.171	-15.37	71.50	0.152	-16.36
-7.75	0.496	-6.09	4.50	0.941	-0.53	23.00	0.269	-11.42	47.50	0.166	-15.62	72.00	0.151	-16.42
-7.50	0.519	-5.71	4.75	0.930	-0.63	23.50	0.271	-11.34	48.00	0.161	-15.89	72.50	0.150	-16.51
-7.25	0.541	-5.34	5.00	0.920	-0.73	24.00	0.272	-11.31	48.50	0.155	-16.22	73.00	0.148	-16.59
-7.00	0.563	-5.00	5.25	0.908	-0.84	24.50	0.271	-11.36	49.00	0.149	-16.57	73.50	0.146	-16.71
-6.75	0.584	-4.67	5.50	0.896	-0.96	25.00	0.267	-11.47	49.50	0.142	-16.98	74.00	0.144	-16.86
-6.50	0.606	-4.36	5.75	0.882	-1.09	25.50	0.262	-11.65	50.00	0.135	-17.43	74.50	0.141	-17.02
-6.25	0.626	-4.07	6.00	0.868	-1.23	26.00	0.255	-11.87	50.50	0.128	-17.89	75.00	0.139	-17.17
-6.00	0.647	-3.78	6.25	0.854	-1.37	26.50	0.246	-12.18	51.00	0.121	-18.38	75.50	0.136	-17.36
-5.75	0.668	-3.50	6.50	0.839	-1.52	27.00	0.236	-12.54	51.50	0.114	-18.90	76.00	0.133	-17.56
-5.50	0.688	-3.25	6.75	0.823	-1.69	27.50	0.225	-12.96	52.00	0.107	-19.45	76.50	0.129	-17.79
-5.25	0.707	-3.01	7.00	0.807	-1.86	28.00	0.212	-13.47	52.50	0.100	-20.04	77.00	0.126	-18.03
-5.00	0.727	-2.77	7.25	0.790	-2.05	28.50	0.199	-14.04	53.00	0.094	-20.58	77.50	0.122	-18.31
-4.75	0.746	-2.55	7.50	0.773	-2.24	29.00	0.184	-14.73	53.50	0.088	-21.16	78.00	0.118	-18.56
-4.50	0.764	-2.34	7.75	0.755	-2.44	29.50	0.168	-15.52	54.00	0.083	-21.67	78.50	0.114	-18.86
-4.25	0.782	-2.14	8.00	0.737	-2.66	30.00	0.151	-16.45	54.50	0.079	-22.10	79.00	0.110	-19.21
-4.00	0.799	-1.95	8.25	0.718	-2.88	30.50	0.134	-17.49	55.00	0.075	-22.50	79.50	0.106	-19.53
-3.75	0.816	-1.77	8.50	0.699	-3.11	31.00	0.116	-18.71	55.50	0.073	-22.73	80.00	0.102	-19.87
-3.50	0.832	-1.60	8.75	0.679	-3.36	31.50	0.098	-20.18	56.00	0.072	-22.85	80.50	0.097	-20.31
-3.25	0.847	-1.44	9.00	0.660	-3.61	32.00	0.080	-21.94	56.50	0.073	-22.79	81.00	0.093	-20.68
-3.00	0.862	-1.29	9.25	0.639	-3.89	32.50	0.062	-24.15	57.00	0.074	-22.62	81.50	0.088	-21.16
-2.75	0.876	-1.15	9.50	0.619	-4.17	33.00	0.044	-27.13	57.50	0.077	-22.33	82.00	0.083	-21.67
-2.50	0.890	-1.02	9.75	0.598	-4.47	33.50	0.027	-31.54	58.00	0.080	-21.94	82.50	0.078	-22.21
-2.25	0.903	-0.89	10.00	0.578	-4.77	34.00	0.011	-39.58	58.50	0.084	-21.57	83.00	0.073	-22.79
-2.00	0.915	-0.78	10.25	0.556	-5.10	34.50	0.013	-38.06	59.00	0.089	-21.06	83.50	0.068	-23.41
-1.75	0.926	-0.67	10.50	0.535	-5.43	35.00	0.028	-31.21	59.50	0.094	-20.58	84.00	0.063	-24.08
-1.50	0.937	-0.57	11.00	0.493	-6.15	35.50	0.044	-27.23	60.00	0.098	-20.22	84.50	0.058	-24.81
-1.25	0.947	-0.47	11.50	0.450	-6.95	36.00	0.060	-24.51	60.50	0.103	-19.79	85.00	0.052	-25.76
-1.00	0.956	-0.40	12.00	0.407	-7.81	36.50	0.074	-22.62	61.00	0.108	-19.37	85.50	0.047	-26.65
-0.75	0.964	-0.32	12.50	0.365	-8.75	37.00	0.089	-21.06	61.50	0.113	-18.98	86.00	0.042	-27.64
-0.50	0.972	-0.25	13.00	0.324	-9.79	37.50	0.102	-19.87	62.00	0.118	-18.60	86.50	0.036	-29.00
-0.25	0.978	-0.19	13.50	0.284	-10.93	38.00	0.114	-18.86	62.50	0.122	-18.31	87.00	0.031	-30.31
0.00	0.984	-0.14	14.00	0.246	-12.18	38.50	0.125	-18.06	63.00	0.127	-17.96	87.50	0.025	-32.22
0.25	0.988	-0.10	14.50	0.211	-13.51	39.00	0.136	-17.33	63.50	0.131	-17.69	88.00	0.020	-34.20
0.50	0.993	-0.07	15.00	0.179	-14.94	39.50	0.145	-16.77	64.00	0.134	-17.46	88.50	0.014	-37.39
0.75	0.996	-0.03	15.50	0.153	-16.33	40.00	0.154	-16.25	64.50	0.138	-17.23	89.00	0.009	-41.41
1.00	0.998	-0.02	16.00	0.134	-17.49	40.50	0.162	-15.84	65.00	0.141	-17.05	89.50	0.003	-52.04
1.25	0.999	-0.01	16.50	0.123	-18.24	41.00	0.168	-15.52	65.50	0.144	-16.86	90.00	0.001	-60.00
1.50	1.000	0.00	17.00	0.122	-18.31	41.50	0.174	-15.21	66.00	0.146	-16.71			
1.75	1.000	0.00	17.50	0.129	-17.79	42.00	0.178	-15.02	66.50	0.148	-16.59			
2.00	0.999	-0.01	18.00	0.143	-16.92	42.50	0.181	-14.85	67.00	0.150	-16.48			

