



**ANDREW®**

## AZIMUTH PATTERN

Type: ALP-16M3-HSOC-45

Directivity: Numeric 1.83 dBi 2.62

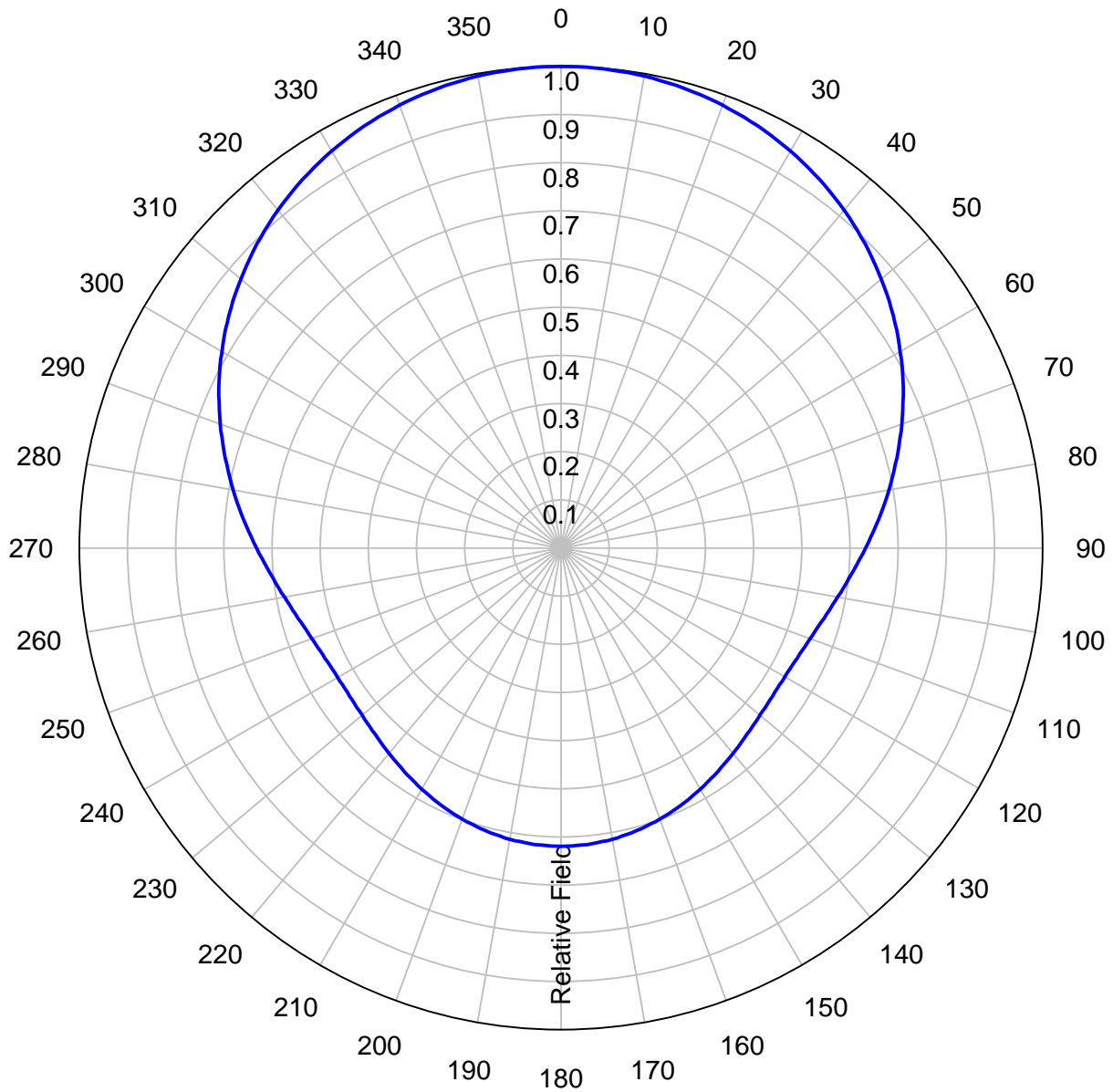
Peak(s) at: \_\_\_\_\_

Polarization: Horizontal

Channel: 45

Location: GREAT FALLS, MONTANA

Note: \_\_\_\_\_



ANDREW CORPORATION  
10500 W. 153rd Street  
Orland Park, Illinois U.S.A 60462



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## ELEVATION PATTERN

Type: ALP-16M3-HSOC-45

Directivity:      **Numeric**      **dBd**

Main Lobe:      16.00      12.04

Horizontal:      13.34      11.25

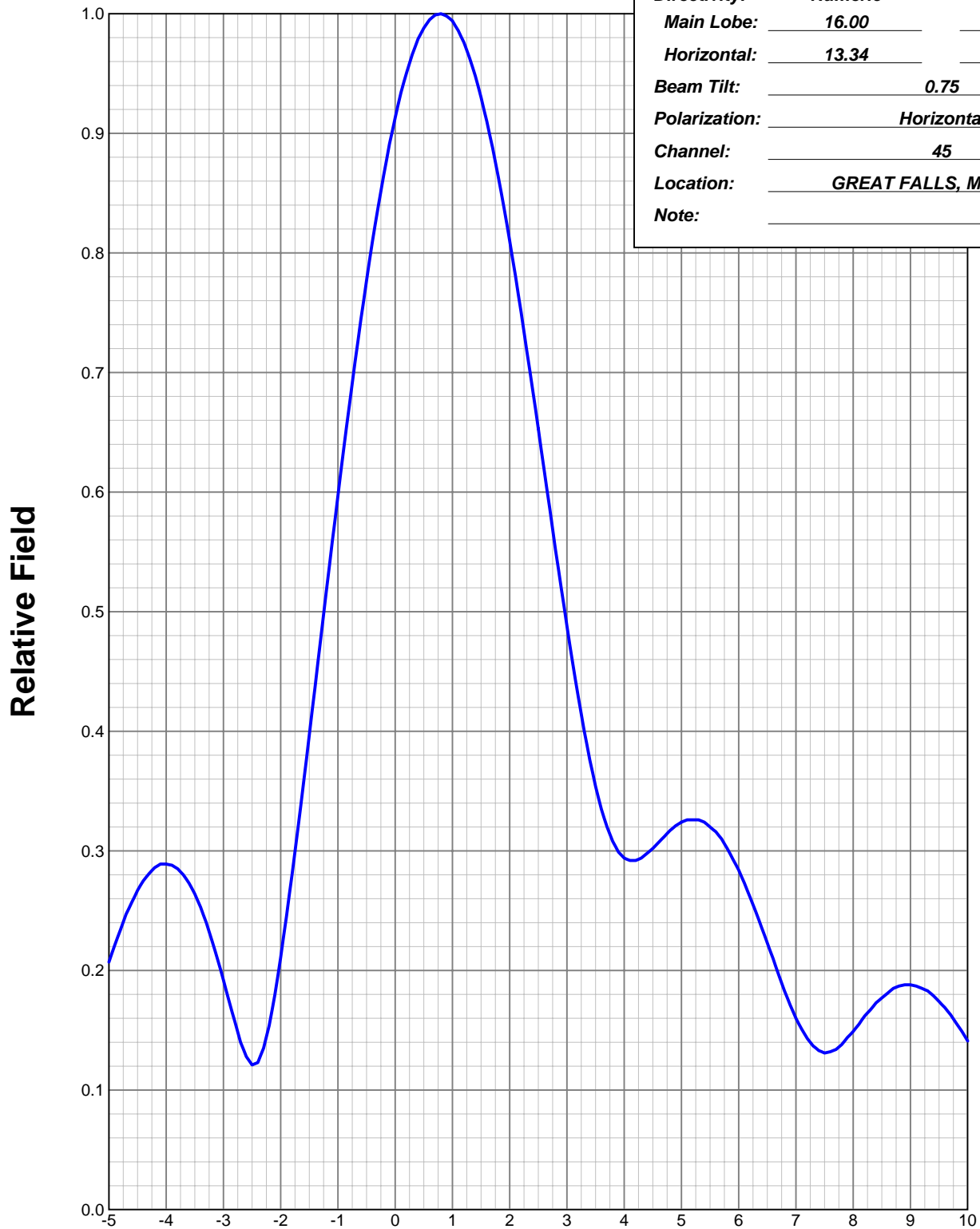
Beam Tilt:      0.75

Polarization:      Horizontal

Channel:      45

Location:      GREAT FALLS, MONTANA

Note:      \_\_\_\_\_



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## ELEVATION TABULATED DATA

Type: ALP-16M3-HSOC-45

Polarization: Horizontal

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
-5.00	0.207	-13.68	6.50	0.223	-13.03	42.00	0.024	-32.40	88.00	0.016	-35.92
-4.75	0.240	-12.38	6.75	0.190	-14.45	43.00	0.042	-27.54	89.00	0.008	-41.94
-4.50	0.267	-11.47	7.00	0.160	-15.92	44.00	0.059	-24.58	90.00	0.000	0.00
-4.25	0.283	-10.95	7.25	0.140	-17.08	45.00	0.055	-25.19			
-4.00	0.289	-10.78	7.50	0.131	-17.65	46.00	0.035	-29.12			
-3.75	0.282	-10.98	7.75	0.136	-17.33	47.00	0.023	-32.77			
-3.50	0.264	-11.57	8.00	0.149	-16.54	48.00	0.044	-27.13			
-3.25	0.232	-12.67	8.25	0.165	-15.68	49.00	0.059	-24.58			
-3.00	0.192	-14.33	8.50	0.177	-15.04	50.00	0.057	-24.88			
-2.75	0.149	-16.57	8.75	0.186	-14.61	51.00	0.039	-28.18			
-2.50	0.121	-18.34	9.00	0.188	-14.52	52.00	0.019	-34.42			
-2.25	0.145	-16.80	9.25	0.184	-14.70	53.00	0.034	-29.37			
-2.00	0.211	-13.51	9.50	0.174	-15.19	54.00	0.054	-25.35			
-1.75	0.299	-10.47	9.75	0.160	-15.94	55.00	0.062	-24.15			
-1.50	0.397	-8.02	10.00	0.141	-17.02	56.00	0.055	-25.19			
-1.25	0.498	-6.06	11.00	0.085	-21.41	57.00	0.036	-28.87			
-1.00	0.597	-4.48	12.00	0.124	-18.13	58.00	0.017	-35.39			
-0.75	0.691	-3.21	13.00	0.129	-17.79	59.00	0.030	-30.46			
-0.50	0.777	-2.19	14.00	0.078	-22.16	60.00	0.051	-25.85			
-0.25	0.851	-1.40	15.00	0.075	-22.50	61.00	0.065	-23.74			
0.00	0.913	-0.79	16.00	0.106	-19.49	62.00	0.067	-23.48			
0.25	0.958	-0.37	17.00	0.087	-21.21	63.00	0.057	-24.88			
0.50	0.988	-0.10	18.00	0.051	-25.85	64.00	0.039	-28.18			
0.75	1.000	0.00	19.00	0.075	-22.50	65.00	0.017	-35.39			
1.00	0.994	-0.05	20.00	0.088	-21.11	66.00	0.017	-35.39			
1.25	0.970	-0.27	21.00	0.059	-24.58	67.00	0.039	-28.18			
1.50	0.930	-0.63	22.00	0.044	-27.13	68.00	0.058	-24.73			
1.75	0.876	-1.15	23.00	0.072	-22.85	69.00	0.071	-22.97			
2.00	0.810	-1.83	24.00	0.072	-22.85	70.00	0.077	-22.27			
2.25	0.734	-2.69	25.00	0.042	-27.54	71.00	0.077	-22.27			
2.50	0.653	-3.70	26.00	0.045	-26.94	72.00	0.070	-23.10			
2.75	0.569	-4.90	27.00	0.068	-23.35	73.00	0.059	-24.58			
3.00	0.488	-6.23	28.00	0.061	-24.29	74.00	0.045	-26.94			
3.25	0.414	-7.65	29.00	0.034	-29.37	75.00	0.030	-30.46			
3.50	0.354	-9.02	30.00	0.044	-27.13	76.00	0.014	-37.08			
3.75	0.314	-10.06	31.00	0.063	-24.01	77.00	0.002	-53.98			
4.00	0.294	-10.63	32.00	0.055	-25.19	78.00	0.014	-37.08			
4.25	0.293	-10.66	33.00	0.031	-30.17	79.00	0.024	-32.40			
4.50	0.302	-10.40	34.00	0.040	-27.96	80.00	0.032	-29.90			
4.75	0.315	-10.05	35.00	0.060	-24.44	81.00	0.037	-28.64			
5.00	0.324	-9.79	36.00	0.056	-25.04	82.00	0.040	-27.96			
5.25	0.326	-9.74	37.00	0.032	-29.90	83.00	0.040	-27.96			
5.50	0.320	-9.90	38.00	0.032	-29.90	84.00	0.038	-28.40			
5.75	0.306	-10.29	39.00	0.054	-25.35	85.00	0.034	-29.37			
6.00	0.284	-10.93	40.00	0.058	-24.73	86.00	0.029	-30.75			
6.25	0.255	-11.87	41.00	0.041	-27.74	87.00	0.023	-32.77			



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