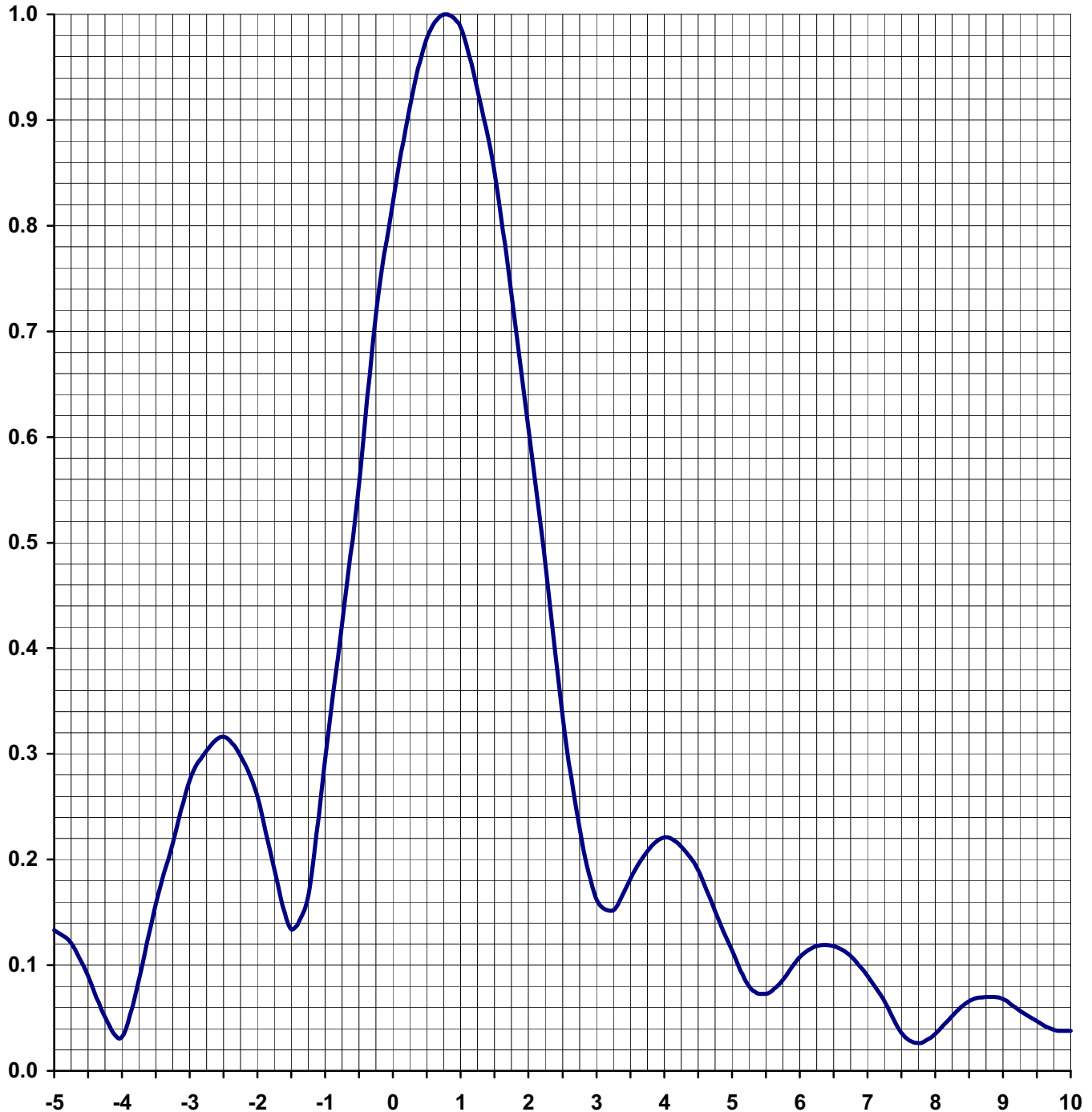


**ELEVATION PATTERN**

<b>TYPE:</b>	<b>ETU-P2H12-CH21</b>	
<b>Directivity:</b>	<b>Numeric</b>	<b>dBd</b>
<b>Main Lobe:</b>	<b>20.82</b>	<b>13.18</b>
<b>Horizontal:</b>	<b>17.93</b>	<b>12.54</b>
<b>Beam Tilt:</b>	<b>0.75</b>	
<b>Polarization:</b>	<b>Horizontal</b>	
<b>Frequency:</b>	<b>21 (Digital)</b>	
<b>Location:</b>	<b>Santa Barbara, CA</b>	



## TABULATED DATA FOR ELEVATION PATTERN

**TYPE: ETU-P2H12-CH21**
*-5 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
-5.00	0.133	-17.52	6.75	0.109	-19.25	27.00	0.029	-30.75	50.50	0.021	-33.56	74.00	0.039	-28.18
-4.75	0.121	-18.34	7.00	0.090	-20.92	27.50	0.014	-37.08	51.00	0.029	-30.75	74.50	0.050	-26.02
-4.50	0.090	-20.92	7.25	0.066	-23.61	28.00	0.022	-33.15	51.50	0.040	-27.96	75.00	0.057	-24.88
-4.25	0.051	-25.85	7.50	0.036	-28.87	28.50	0.040	-27.96	52.00	0.050	-26.02	75.50	0.064	-23.88
-4.00	0.032	-29.90	7.75	0.026	-31.70	29.00	0.045	-26.94	52.50	0.054	-25.35	76.00	0.070	-23.10
-3.75	0.086	-21.31	8.00	0.035	-29.12	29.50	0.054	-25.35	53.00	0.056	-25.04	76.50	0.070	-23.10
-3.50	0.158	-16.03	8.25	0.052	-25.68	30.00	0.049	-26.20	53.50	0.052	-25.68	77.00	0.075	-22.50
-3.25	0.215	-13.35	8.50	0.066	-23.61	30.50	0.046	-26.74	54.00	0.044	-27.13	77.50	0.079	-22.05
-3.00	0.275	-11.21	8.75	0.070	-23.10	31.00	0.039	-28.18	54.50	0.030	-30.46	78.00	0.083	-21.62
-2.75	0.303	-10.37	9.00	0.068	-23.35	31.50	0.036	-28.87	55.00	0.015	-36.48	78.50	0.086	-21.31
-2.50	0.316	-10.01	9.25	0.057	-24.88	32.00	0.025	-32.04	55.50	0.002	-53.98	79.00	0.089	-21.01
-2.25	0.298	-10.52	9.50	0.047	-26.56	32.50	0.015	-36.48	56.00	0.014	-37.08	79.50	0.081	-21.83
-2.00	0.260	-11.70	9.75	0.039	-28.18	33.00	0.013	-37.72	56.50	0.027	-31.37	80.00	0.082	-21.72
-1.75	0.191	-14.38	10.00	0.038	-28.40	33.50	0.019	-34.42	57.00	0.034	-29.37	80.50	0.083	-21.62
-1.50	0.134	-17.46	10.50	0.055	-25.19	34.00	0.022	-33.15	57.50	0.038	-28.40	81.00	0.083	-21.62
-1.25	0.165	-15.65	11.00	0.062	-24.15	34.50	0.020	-33.98	58.00	0.036	-28.87	81.50	0.083	-21.62
-1.00	0.295	-10.60	11.50	0.044	-27.13	35.00	0.014	-37.08	58.50	0.032	-29.90	82.00	0.082	-21.72
-0.75	0.423	-7.47	12.00	0.010	-40.00	35.50	0.011	-39.17	59.00	0.027	-31.37	82.50	0.082	-21.72
-0.50	0.555	-5.11	12.50	0.033	-29.63	36.00	0.014	-37.08	59.50	0.020	-33.98	83.00	0.072	-22.85
-0.25	0.716	-2.90	13.00	0.062	-24.15	36.50	0.017	-35.39	60.00	0.017	-35.39	83.50	0.071	-22.97
0.00	0.822	-1.70	13.50	0.067	-23.48	37.00	0.018	-34.89	60.50	0.021	-33.56	84.00	0.070	-23.10
0.25	0.912	-0.80	14.00	0.048	-26.38	37.50	0.014	-37.08	61.00	0.028	-31.06	84.50	0.070	-23.10
0.50	0.977	-0.20	14.50	0.019	-34.42	38.00	0.008	-41.94	61.50	0.031	-30.17	85.00	0.069	-23.22
0.75	1.000	0.00	15.00	0.020	-33.98	38.50	0.008	-41.94	62.00	0.034	-29.37	85.50	0.068	-23.35
1.00	0.988	-0.10	15.50	0.038	-28.40	39.00	0.013	-37.72	62.50	0.034	-29.37	86.00	0.066	-23.61
1.25	0.928	-0.65	16.00	0.035	-29.12	39.50	0.017	-35.39	63.00	0.031	-30.17	86.50	0.066	-23.61
1.50	0.851	-1.40	16.50	0.015	-36.48	40.00	0.017	-35.39	63.50	0.024	-32.40	87.00	0.057	-24.88
1.75	0.736	-2.66	17.00	0.025	-32.04	40.50	0.016	-35.92	64.00	0.016	-35.92	87.50	0.057	-24.88
2.00	0.609	-4.31	17.50	0.059	-24.58	41.00	0.013	-37.72	64.50	0.006	-44.44	88.00	0.057	-24.88
2.25	0.481	-6.36	18.00	0.078	-22.16	41.50	0.012	-38.42	65.00	0.006	-44.44	88.50	0.056	-25.04
2.50	0.335	-9.50	18.50	0.076	-22.38	42.00	0.011	-39.17	65.50	0.017	-35.39	89.00	0.056	-25.04
2.75	0.229	-12.80	19.00	0.051	-25.85	42.50	0.009	-40.92	66.00	0.029	-30.75	89.50	0.055	-25.19
3.00	0.162	-15.81	19.50	0.018	-34.89	43.00	0.006	-44.44	66.50	0.035	-29.12	90.00	0.040	-27.96
3.25	0.152	-16.36	20.00	0.026	-31.70	43.50	0.006	-44.44	67.00	0.044	-27.13			
3.50	0.182	-14.80	20.50	0.049	-26.20	44.00	0.015	-36.48	67.50	0.049	-26.20			
3.75	0.208	-13.64	21.00	0.056	-25.04	44.50	0.024	-32.40	68.00	0.051	-25.85			
4.00	0.221	-13.11	21.50	0.044	-27.13	45.00	0.030	-30.46	68.50	0.050	-26.02			
4.25	0.212	-13.47	22.00	0.023	-32.77	45.50	0.033	-29.63	69.00	0.049	-26.20			
4.50	0.190	-14.42	22.50	0.020	-33.98	46.00	0.030	-30.46	69.50	0.045	-26.94			
4.75	0.151	-16.42	23.00	0.034	-29.37	46.50	0.023	-32.77	70.00	0.037	-28.64			
5.00	0.114	-18.86	23.50	0.038	-28.40	47.00	0.013	-37.72	70.50	0.031	-30.17			
5.25	0.080	-21.94	24.00	0.027	-31.37	47.50	0.003	-50.46	71.00	0.023	-32.77			
5.50	0.073	-22.73	24.50	0.007	-43.10	48.00	0.010	-40.00	71.50	0.019	-34.42			
5.75	0.086	-21.31	25.00	0.021	-33.56	48.50	0.018	-34.89	72.00	0.014	-37.08			
6.00	0.108	-19.33	25.50	0.042	-27.54	49.00	0.021	-33.56	72.50	0.018	-34.89			
6.25	0.118	-18.56	26.00	0.049	-26.20	49.50	0.021	-33.56	73.00	0.024	-32.40			
6.50	0.118	-18.56	26.50	0.045	-26.94	50.00	0.019	-34.42	73.50	0.035	-29.12			