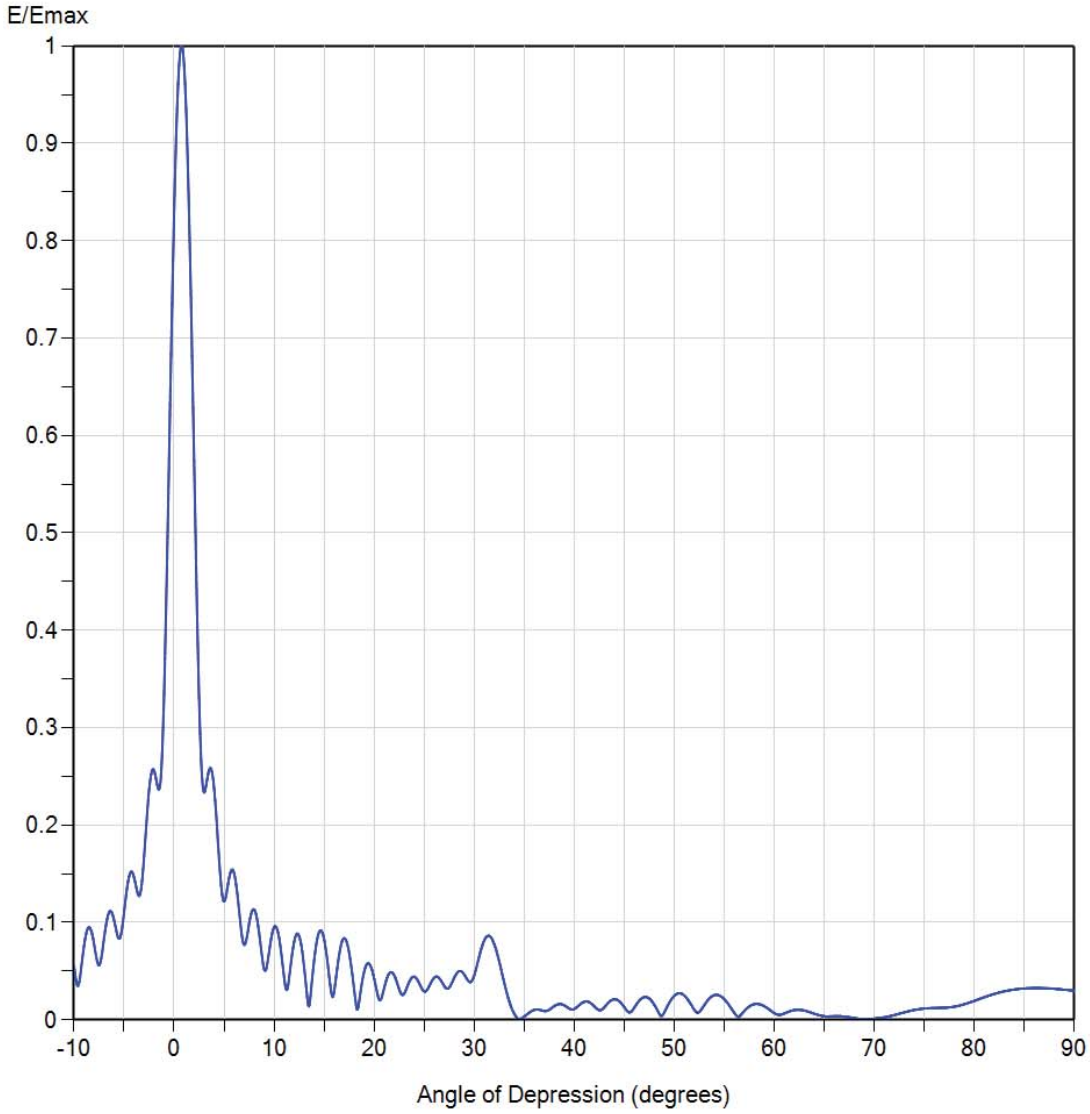
Elevation Pattern



Model:	PEPL28	Frequency:	503.00 MHz
Polarisation:	Horizontal	Directivity (Main Lobe):	27.0 (14.31 dBd)
Location:	Oklahoma City	Directivity (At Horizon):	18.5 (12.66 dBd)
Customer:	American Tower	Beam Tilt:	0.75 degrees
Date:	July 8, 2017	Azimuth Angle:	0 degrees

Model:	**PEPL28**	Polarization:	**Horizontal**
Location:	**Oklahoma City**	Frequency (MHz):	**503.00**
Customer:	**American Tower**	Directivity (Main Lobe):	**27.0 (14.31 dB)**
Date:	**July 8, 2017**	Directivity (At Horizon):	**18.5 (12.66 dB)**
		Beam Tilt:	**0.75 degrees**

TABULATED ELEVATION PATTERN

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.055	2.4	0.372	10.6	0.077	30.5	0.065	51.0	0.025	71.5	0.004
-9.5	0.038	2.6	0.295	10.8	0.061	31.0	0.082	51.5	0.019	72.0	0.005
-9.0	0.076	2.8	0.248	11.0	0.043	31.5	0.086	52.0	0.010	72.5	0.006
-8.5	0.095	3.0	0.233	11.5	0.043	32.0	0.078	52.5	0.008	73.0	0.008
-8.0	0.078	3.2	0.241	12.0	0.080	32.5	0.060	53.0	0.015	73.5	0.009
-7.5	0.056	3.4	0.253	12.5	0.086	33.0	0.038	53.5	0.022	74.0	0.010
-7.0	0.084	3.6	0.259	13.0	0.054	33.5	0.019	54.0	0.025	74.5	0.011
-6.5	0.110	3.8	0.254	13.5	0.014	34.0	0.006	54.5	0.025	75.0	0.012
-6.0	0.102	4.0	0.237	14.0	0.061	34.5	0.000	55.0	0.021	75.5	0.012
-5.5	0.083	4.2	0.212	14.5	0.090	35.0	0.003	55.5	0.015	76.0	0.012
-5.0	0.111	4.4	0.181	15.0	0.082	35.5	0.007	56.0	0.007	76.5	0.012
-4.5	0.147	4.6	0.150	15.5	0.045	36.0	0.010	56.5	0.003	77.0	0.012
-4.0	0.146	4.8	0.129	16.0	0.029	36.5	0.010	57.0	0.009	77.5	0.013
-3.5	0.127	5.0	0.122	16.5	0.067	37.0	0.009	57.5	0.014	78.0	0.013
-3.0	0.168	5.2	0.128	17.0	0.084	37.5	0.010	58.0	0.016	78.5	0.015
-2.8	0.197	5.4	0.140	17.5	0.069	38.0	0.014	58.5	0.016	79.0	0.016
-2.6	0.225	5.6	0.150	18.0	0.031	38.5	0.016	59.0	0.014	79.5	0.018
-2.4	0.245	5.8	0.154	18.5	0.019	39.0	0.015	59.5	0.010	80.0	0.019
-2.2	0.256	6.0	0.150	19.0	0.050	39.5	0.012	60.0	0.007	80.5	0.021
-2.0	0.256	6.2	0.139	19.5	0.058	40.0	0.011	60.5	0.005	81.0	0.023
-1.8	0.247	6.4	0.121	20.0	0.042	40.5	0.015	61.0	0.006	81.5	0.025
-1.6	0.238	6.6	0.102	20.5	0.021	41.0	0.018	61.5	0.009	82.0	0.027
-1.4	0.241	6.8	0.085	21.0	0.033	41.5	0.018	62.0	0.010	82.5	0.028
-1.2	0.272	7.0	0.077	21.5	0.048	42.0	0.014	62.5	0.010	83.0	0.029
-1.0	0.335	7.2	0.081	22.0	0.046	42.5	0.010	63.0	0.009	83.5	0.030
-0.8	0.423	7.4	0.092	22.5	0.031	43.0	0.013	63.5	0.008	84.0	0.031
-0.6	0.524	7.6	0.104	23.0	0.027	43.5	0.018	64.0	0.006	84.5	0.032
-0.4	0.631	7.8	0.112	23.5	0.039	44.0	0.021	64.5	0.005	85.0	0.032
-0.2	0.734	8.0	0.113	24.0	0.044	44.5	0.019	65.0	0.004	85.5	0.032
0.0	0.827	8.2	0.108	24.5	0.037	45.0	0.013	65.5	0.004	86.0	0.033
0.2	0.904	8.4	0.096	25.0	0.029	45.5	0.008	66.0	0.004	86.5	0.033
0.4	0.961	8.6	0.081	25.5	0.035	46.0	0.012	66.5	0.004	87.0	0.032
0.6	0.993	8.8	0.064	26.0	0.043	46.5	0.020	67.0	0.003	87.5	0.032
0.8	1.000	9.0	0.052	26.5	0.043	47.0	0.023	67.5	0.003	88.0	0.032
1.0	0.980	9.2	0.052	27.0	0.035	47.5	0.022	68.0	0.002	88.5	0.031
1.2	0.935	9.4	0.063	27.5	0.033	48.0	0.015	68.5	0.001	89.0	0.031
1.4	0.867	9.6	0.077	28.0	0.043	48.5	0.006	69.0	0.000	89.5	0.030
1.6	0.781	9.8	0.089	28.5	0.050	49.0	0.008	69.5	0.001	90.0	0.000
1.8	0.681	10.0	0.095	29.0	0.046	49.5	0.018	70.0	0.001		
2.0	0.575	10.2	0.096	29.5	0.039	50.0	0.025	70.5	0.002		
2.2	0.468	10.4	0.089	30.0	0.046	50.5	0.027	71.0	0.003		