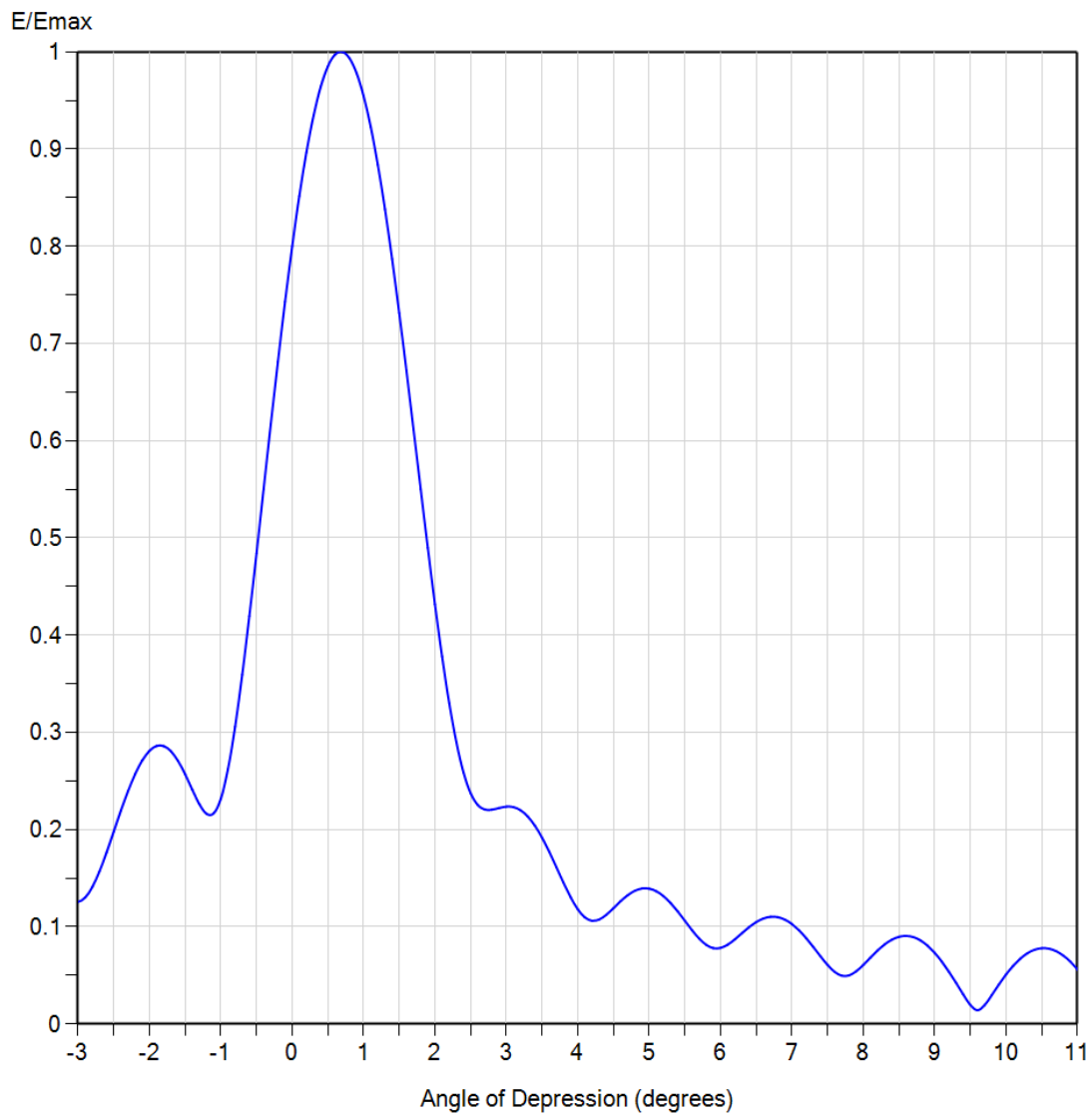




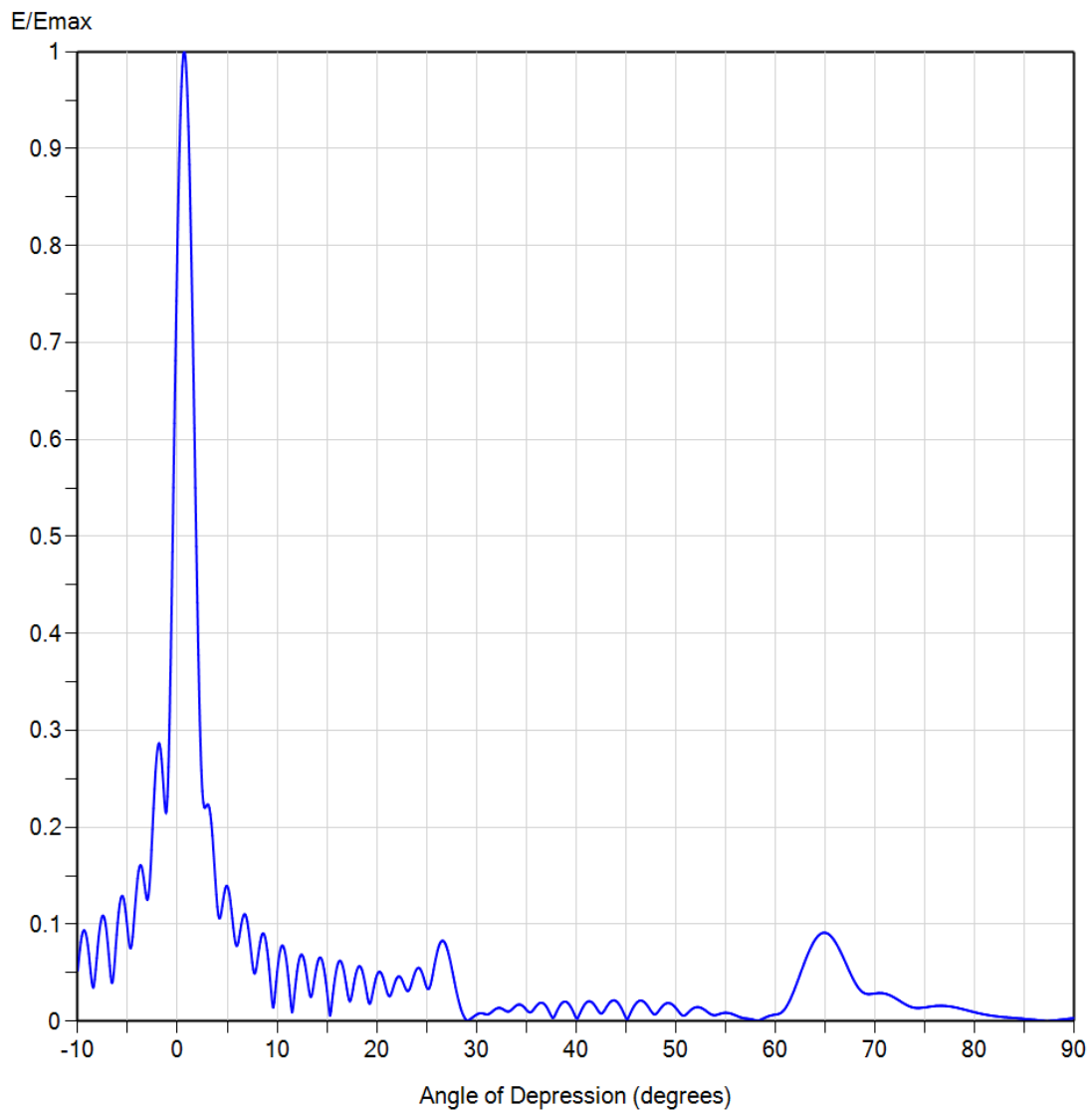
Elevation Pattern



Model:	PEP70E	Frequency:	587.00 MHz
Polarization:	<u>Horizontal</u>	Directivity (Main Lobe):	31.9 (15.04 dBd)
Location:	Norfolk	Directivity (At Horizon):	20.5 (13.11 dBd)
Customer:	ATC	Beam Tilt:	0.70 degrees
Date:	December 13, 2018	Azimuth Angle:	0 degrees



Elevation Pattern



Model:	PEP70E	Frequency:	587.00 MHz
Polarization:	<u>Horizontal</u>	Directivity (Main Lobe):	31.9 (15.04 dBd)
Location:	Norfolk	Directivity (At Horizon):	20.5 (13.11 dBd)
Customer:	ATC	Beam Tilt:	0.70 degrees
Date:	December 13, 2018	Azimuth Angle:	0 degrees



Model: **PEP70E**
Location: **Norfolk**
Customer: **ATC**
Date: **December 13, 2018**

Polarization: **Horizontal**
Frequency (MHz): **587.00**
Directivity (Main Lobe): **31.9 (15.04 dB)**
Directivity (At Horizon): **20.5 (13.11 dB)**
Beam Tilt: **0.75 degrees**

TABULATED ELEVATION PATTERN

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.052	2.4	0.259	10.6	0.077	30.5	0.008	51.0	0.007	71.5	0.027
-9.5	0.092	2.6	0.225	10.8	0.070	31.0	0.007	51.5	0.011	72.0	0.024
-9.0	0.078	2.8	0.220	11.0	0.056	31.5	0.009	52.0	0.014	72.5	0.021
-8.5	0.035	3.0	0.224	11.5	0.009	32.0	0.013	52.5	0.014	73.0	0.018
-8.0	0.077	3.2	0.220	12.0	0.052	32.5	0.013	53.0	0.011	73.5	0.015
-7.5	0.109	3.4	0.204	12.5	0.068	33.0	0.010	53.5	0.007	74.0	0.014
-7.0	0.081	3.6	0.177	13.0	0.045	33.5	0.012	54.0	0.006	74.5	0.014
-6.5	0.041	3.8	0.145	13.5	0.028	34.0	0.016	54.5	0.008	75.0	0.014
-6.0	0.102	4.0	0.118	14.0	0.058	34.5	0.017	55.0	0.009	75.5	0.015
-5.5	0.129	4.2	0.106	14.5	0.063	35.0	0.012	55.5	0.008	76.0	0.016
-5.0	0.094	4.4	0.112	15.0	0.031	35.5	0.010	56.0	0.006	76.5	0.016
-4.5	0.087	4.6	0.126	15.5	0.019	36.0	0.016	56.5	0.004	77.0	0.016
-4.0	0.147	4.8	0.137	16.0	0.056	36.5	0.019	57.0	0.003	77.5	0.015
-3.5	0.155	5.0	0.139	16.5	0.060	37.0	0.015	57.5	0.002	78.0	0.014
-3.0	0.125	5.2	0.132	17.0	0.033	37.5	0.006	58.0	0.001	78.5	0.013
-2.8	0.141	5.4	0.116	17.5	0.027	38.0	0.009	58.5	0.001	79.0	0.012
-2.6	0.177	5.6	0.097	18.0	0.053	38.5	0.018	59.0	0.004	79.5	0.011
-2.4	0.219	5.8	0.081	18.5	0.053	39.0	0.020	59.5	0.006	80.0	0.009
-2.2	0.257	6.0	0.078	19.0	0.029	39.5	0.014	60.0	0.007	80.5	0.008
-2.0	0.281	6.2	0.087	19.5	0.024	40.0	0.003	60.5	0.008	81.0	0.007
-1.8	0.286	6.4	0.100	20.0	0.047	40.5	0.011	61.0	0.014	81.5	0.006
-1.6	0.271	6.6	0.108	20.5	0.048	41.0	0.019	61.5	0.023	82.0	0.005
-1.4	0.241	6.8	0.110	21.0	0.031	41.5	0.020	62.0	0.035	82.5	0.005
-1.2	0.216	7.0	0.103	21.5	0.030	42.0	0.014	62.5	0.049	83.0	0.004
-1.0	0.232	7.2	0.088	22.0	0.044	42.5	0.008	63.0	0.063	83.5	0.004
-0.8	0.306	7.4	0.070	22.5	0.043	43.0	0.014	63.5	0.075	84.0	0.003
-0.6	0.420	7.6	0.054	23.0	0.032	43.5	0.020	64.0	0.084	84.5	0.003
-0.4	0.550	7.8	0.050	23.5	0.039	44.0	0.021	64.5	0.090	85.0	0.002
-0.2	0.681	8.0	0.061	24.0	0.054	44.5	0.014	65.0	0.091	85.5	0.002
0.0	0.800	8.2	0.075	24.5	0.051	45.0	0.003	65.5	0.088	86.0	0.001
0.2	0.897	8.4	0.087	25.0	0.035	45.5	0.009	66.0	0.082	86.5	0.001
0.4	0.964	8.6	0.091	25.5	0.042	46.0	0.018	66.5	0.072	87.0	0.000
0.6	0.997	8.8	0.086	26.0	0.069	46.5	0.021	67.0	0.061	87.5	0.000
0.8	0.994	9.0	0.073	26.5	0.083	47.0	0.018	67.5	0.050	88.0	0.001
1.0	0.955	9.2	0.054	27.0	0.077	47.5	0.011	68.0	0.040	88.5	0.001
1.2	0.884	9.4	0.030	27.5	0.056	48.0	0.007	68.5	0.032	89.0	0.002
1.4	0.787	9.6	0.014	28.0	0.030	48.5	0.014	69.0	0.029	89.5	0.003
1.6	0.672	9.8	0.030	28.5	0.011	49.0	0.018	69.5	0.028	90.0	
1.8	0.550	10.0	0.051	29.0	0.001	49.5	0.018	70.0	0.029		
2.0	0.432	10.2	0.067	29.5	0.003	50.0	0.014	70.5	0.029		
2.2	0.330	10.4	0.076	30.0	0.007	50.5	0.007	71.0	0.028		