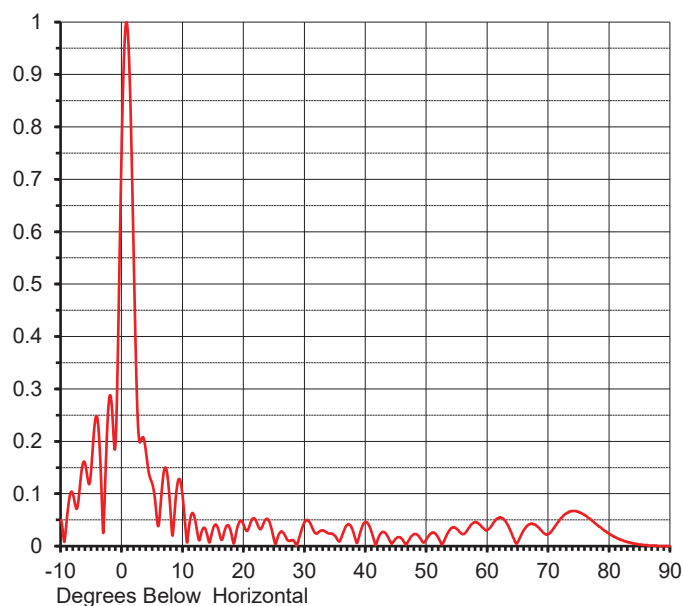
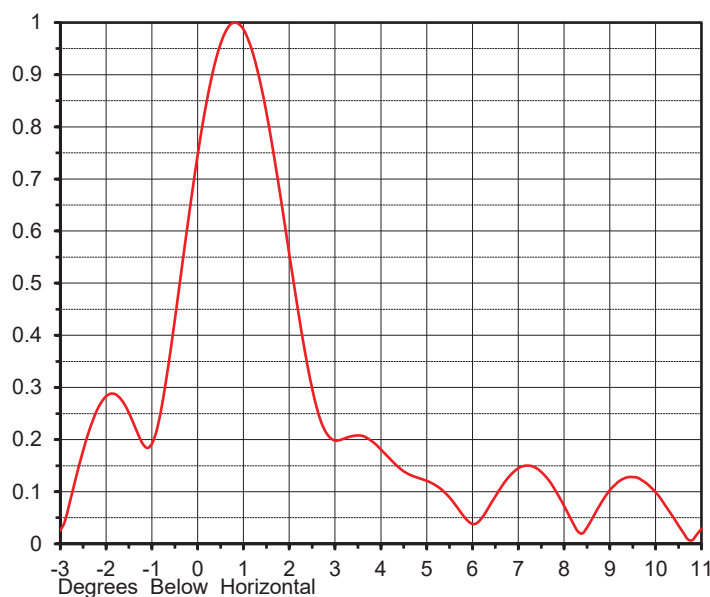


ELEVATION PATTERN

Proposal No. **C-70656**
 Date **19-May-17**
 Call Letters **WPCH**
 Channel **31**
 Frequency **575 MHz**
 Antenna Type **TUM-AP-O4-14/56H-R-2-T**

RMS Directivity at Main Lobe **28.1 (14.49 dB)**
 RMS Directivity at Horizontal **18.0 (12.55 dB)**
Calculated

Beam Tilt **0.70 deg**
 Pattern Number **14U281070**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.050	10.0	0.088	30.0	0.047	50.0	0.014	70.0	0.023
-9.0	0.060	11.0	0.038	31.0	0.041	51.0	0.026	71.0	0.037
-8.0	0.096	12.0	0.049	32.0	0.024	52.0	0.014	72.0	0.053
-7.0	0.106	13.0	0.025	33.0	0.030	53.0	0.014	73.0	0.063
-6.0	0.154	14.0	0.020	34.0	0.024	54.0	0.034	74.0	0.067
-5.0	0.157	15.0	0.036	35.0	0.019	55.0	0.032	75.0	0.065
-4.0	0.239	16.0	0.023	36.0	0.017	56.0	0.023	76.0	0.059
-3.0	0.043	17.0	0.035	37.0	0.041	57.0	0.036	77.0	0.050
-2.0	0.288	18.0	0.020	38.0	0.025	58.0	0.046	78.0	0.040
-1.0	0.216	19.0	0.039	39.0	0.023	59.0	0.037	79.0	0.031
0.0	0.801	20.0	0.039	40.0	0.046	60.0	0.031	80.0	0.023
1.0	0.968	21.0	0.042	41.0	0.025	61.0	0.045	81.0	0.017
2.0	0.499	22.0	0.048	42.0	0.014	62.0	0.055	82.0	0.012
3.0	0.199	23.0	0.037	43.0	0.027	63.0	0.046	83.0	0.008
4.0	0.172	24.0	0.050	44.0	0.009	64.0	0.022	84.0	0.005
5.0	0.117	25.0	0.009	45.0	0.015	65.0	0.009	85.0	0.003
6.0	0.040	26.0	0.027	46.0	0.013	66.0	0.032	86.0	0.002
7.0	0.149	27.0	0.014	47.0	0.010	67.0	0.042	87.0	0.001
8.0	0.056	28.0	0.011	48.0	0.023	68.0	0.039	88.0	0.000
9.0	0.112	29.0	0.013	49.0	0.014	69.0	0.027	89.0	0.000
								90.0	0.000

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