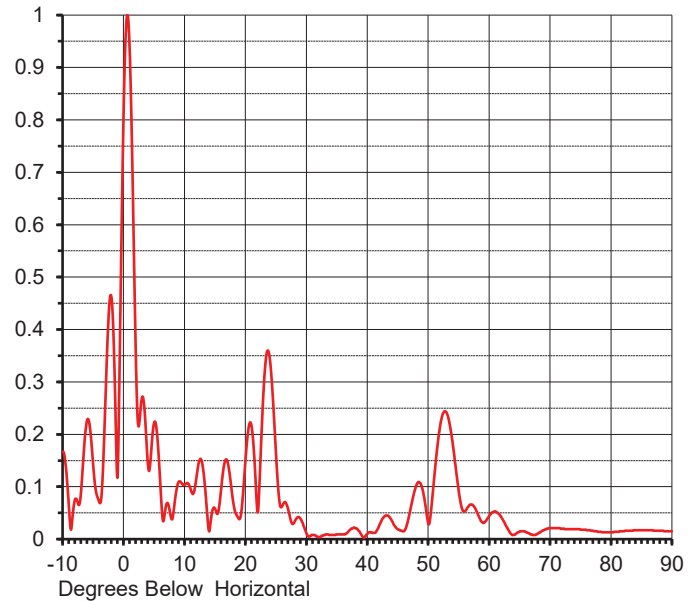
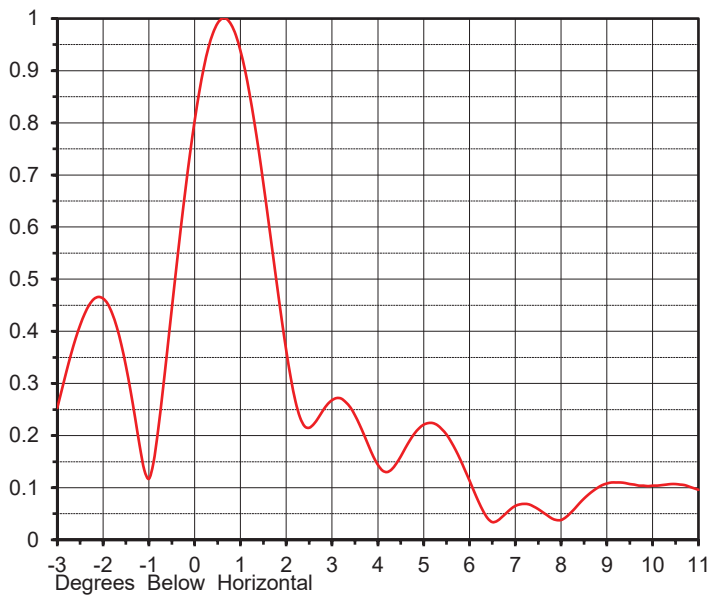


ELEVATION PATTERN

Proposal No. **C-70298**
 Date **6-Apr-17**
 Call Letters **WTTK**
 Channel **15**
 Frequency **479 MHz**
 Antenna Type **TUM20-04-12/48H-1-R-T**

RMS Directivity at Main Lobe **19.3 (12.85 dB)**
 RMS Directivity at Horizontal **14.2 (11.52 dB)**
Calculated

Beam Tilt **0.50 deg**
 Pattern Number **12U193050**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.167	10.0	0.104	30.0	0.009	50.0	0.028	70.0	0.021
-9.0	0.051	11.0	0.092	31.0	0.008	51.0	0.130	71.0	0.021
-8.0	0.077	12.0	0.128	32.0	0.004	52.0	0.225	72.0	0.020
-7.0	0.101	13.0	0.131	33.0	0.008	53.0	0.239	73.0	0.019
-6.0	0.229	14.0	0.015	34.0	0.008	54.0	0.176	74.0	0.019
-5.0	0.131	15.0	0.056	35.0	0.009	55.0	0.085	75.0	0.018
-4.0	0.069	16.0	0.104	36.0	0.009	56.0	0.054	76.0	0.017
-3.0	0.288	17.0	0.146	37.0	0.017	57.0	0.066	77.0	0.016
-2.0	0.453	18.0	0.064	38.0	0.021	58.0	0.049	78.0	0.014
-1.0	0.148	19.0	0.039	39.0	0.007	59.0	0.031	79.0	0.013
0.0	0.859	20.0	0.163	40.0	0.011	60.0	0.046	80.0	0.013
1.0	0.901	21.0	0.209	41.0	0.012	61.0	0.052	81.0	0.014
2.0	0.310	22.0	0.055	42.0	0.029	62.0	0.040	82.0	0.015
3.0	0.272	23.0	0.306	43.0	0.045	63.0	0.019	83.0	0.016
4.0	0.133	24.0	0.335	44.0	0.034	64.0	0.008	84.0	0.017
5.0	0.224	25.0	0.148	45.0	0.018	65.0	0.015	85.0	0.017
6.0	0.093	26.0	0.064	46.0	0.016	66.0	0.013	86.0	0.017
7.0	0.068	27.0	0.053	47.0	0.057	67.0	0.008	87.0	0.016
8.0	0.043	28.0	0.034	48.0	0.104	68.0	0.011	88.0	0.016
9.0	0.110	29.0	0.038	49.0	0.094	69.0	0.018	89.0	0.015
								90.0	0.015

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