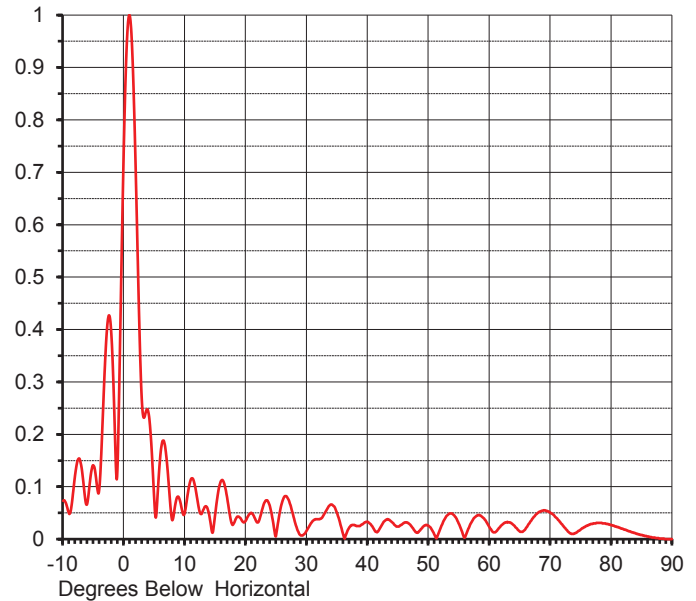
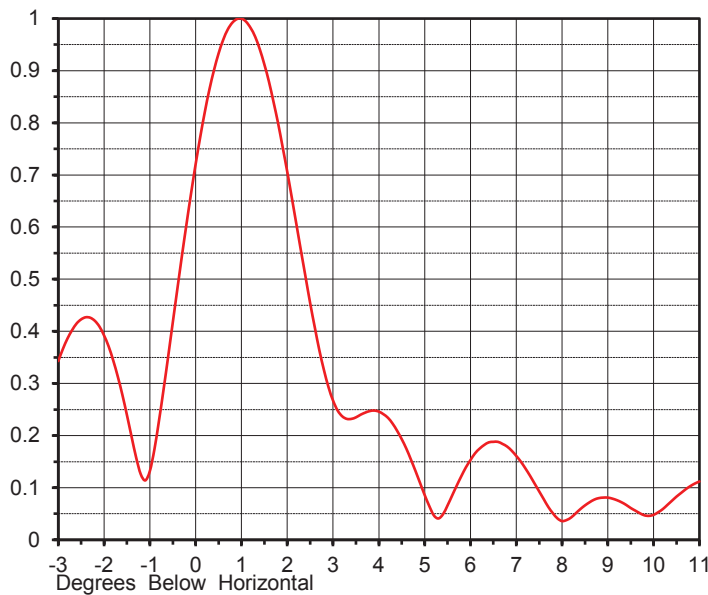


ELEVATION PATTERN

Proposal No. **C-70039**
 Date **27-Mar-17**
 Call Letters **WCWN**
 Channel **22**
 Frequency **521 MHz**
 Antenna Type **TDU-O5-12/60H-1-B**

RMS Directivity at Main Lobe **23.0 (13.62 dB)**
 RMS Directivity at Horizontal **13.7 (11.37 dB)**
Calculated

Beam Tilt **0.75 deg**
 Pattern Number **12U230075**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.073	10.0	0.053	30.0	0.017	50.0	0.025	70.0	0.050
-9.0	0.048	11.0	0.115	31.0	0.035	51.0	0.007	71.0	0.040
-8.0	0.126	12.0	0.077	32.0	0.038	52.0	0.023	72.0	0.026
-7.0	0.138	13.0	0.056	33.0	0.051	53.0	0.045	73.0	0.013
-6.0	0.071	14.0	0.044	34.0	0.066	54.0	0.047	74.0	0.011
-5.0	0.140	15.0	0.052	35.0	0.048	55.0	0.028	75.0	0.019
-4.0	0.106	16.0	0.112	36.0	0.007	56.0	0.005	76.0	0.026
-3.0	0.366	17.0	0.072	37.0	0.023	57.0	0.032	77.0	0.030
-2.0	0.371	18.0	0.030	38.0	0.026	58.0	0.045	78.0	0.031
-1.0	0.174	19.0	0.041	39.0	0.028	59.0	0.040	79.0	0.030
0.0	0.773	20.0	0.036	40.0	0.033	60.0	0.022	80.0	0.027
1.0	0.994	21.0	0.049	41.0	0.019	61.0	0.014	81.0	0.023
2.0	0.656	22.0	0.032	42.0	0.021	62.0	0.027	82.0	0.019
3.0	0.248	23.0	0.069	43.0	0.037	63.0	0.032	83.0	0.015
4.0	0.241	24.0	0.059	44.0	0.032	64.0	0.026	84.0	0.011
5.0	0.065	25.0	0.012	45.0	0.024	65.0	0.014	85.0	0.008
6.0	0.166	26.0	0.073	46.0	0.031	66.0	0.022	86.0	0.005
7.0	0.150	27.0	0.075	47.0	0.027	67.0	0.039	87.0	0.003
8.0	0.038	28.0	0.034	48.0	0.013	68.0	0.051	88.0	0.001
9.0	0.079	29.0	0.007	49.0	0.023	69.0	0.055	89.0	0.000
								90.0	0.000

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