

ELEVATION PATTERN

Proposal No.

Date **22-Mar-17**

Call Letters **WCBD**

Channel **20**

Frequency **509 MHz**

Antenna Type **TUD-P5SP-16/48-1-B**

RMS Directivity at Main Lobe

24.5 (13.89 dB)

Beam Tilt

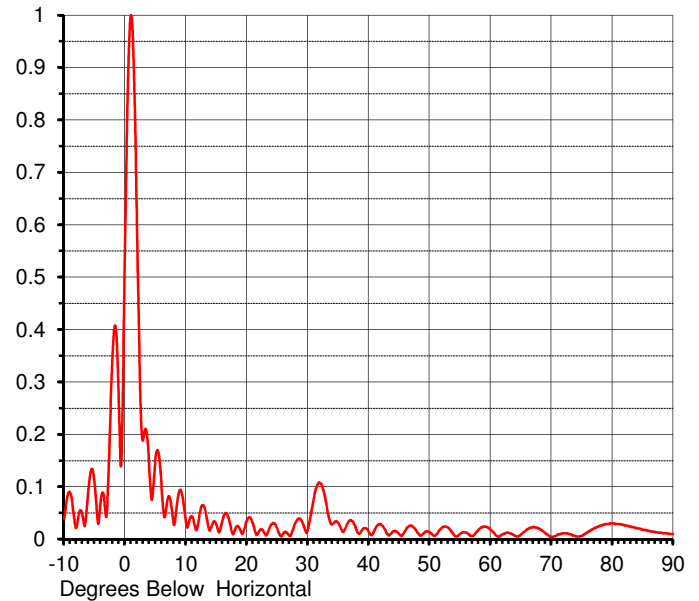
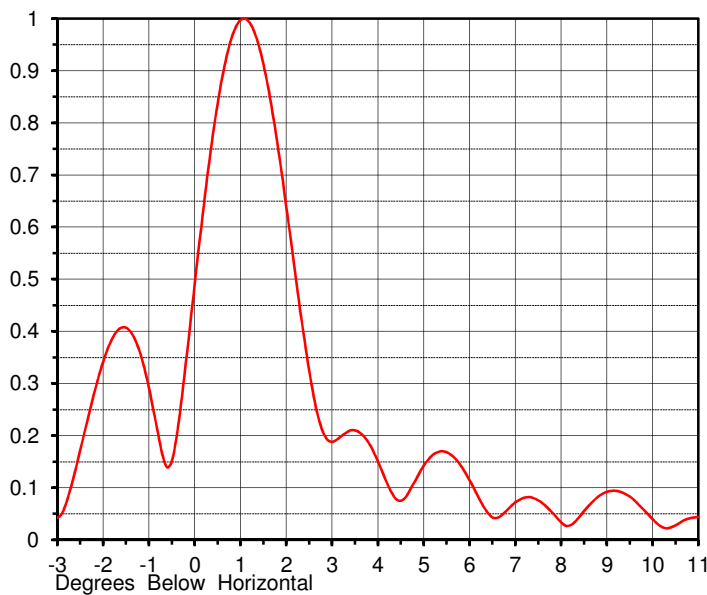
1.00 deg

RMS Directivity at Horizontal

7.9 (8.98 dB)

Pattern Number

Calculated



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.038	10.0	0.031	30.0	0.018	50.0	0.013	70.0	0.004
-9.0	0.088	11.0	0.043	31.0	0.079	51.0	0.008	71.0	0.008
-8.0	0.022	12.0	0.032	32.0	0.107	52.0	0.022	72.0	0.011
-7.0	0.045	13.0	0.061	33.0	0.068	53.0	0.022	73.0	0.009
-6.0	0.097	14.0	0.018	34.0	0.028	54.0	0.008	74.0	0.005
-5.0	0.105	15.0	0.027	35.0	0.031	55.0	0.010	75.0	0.007
-4.0	0.072	16.0	0.037	36.0	0.017	56.0	0.012	76.0	0.014
-3.0	0.050	17.0	0.039	37.0	0.036	57.0	0.006	77.0	0.021
-2.0	0.366	18.0	0.017	38.0	0.017	58.0	0.018	78.0	0.026
-1.0	0.249	19.0	0.015	39.0	0.019	59.0	0.024	79.0	0.029
0.0	0.567	20.0	0.036	40.0	0.014	60.0	0.018	80.0	0.030
1.0	1.000	21.0	0.029	41.0	0.019	61.0	0.006	81.0	0.029
2.0	0.574	22.0	0.015	42.0	0.028	62.0	0.009	82.0	0.026
3.0	0.192	23.0	0.009	43.0	0.010	63.0	0.012	83.0	0.024
4.0	0.130	24.0	0.028	44.0	0.015	64.0	0.006	84.0	0.021
5.0	0.154	25.0	0.019	45.0	0.009	65.0	0.009	85.0	0.018
6.0	0.098	26.0	0.011	46.0	0.017	66.0	0.019	86.0	0.016
7.0	0.077	27.0	0.006	47.0	0.026	67.0	0.023	87.0	0.013
8.0	0.027	28.0	0.032	48.0	0.012	68.0	0.019	88.0	0.012
9.0	0.094	29.0	0.034	49.0	0.011	69.0	0.011	89.0	0.011
								90.0	0.010

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