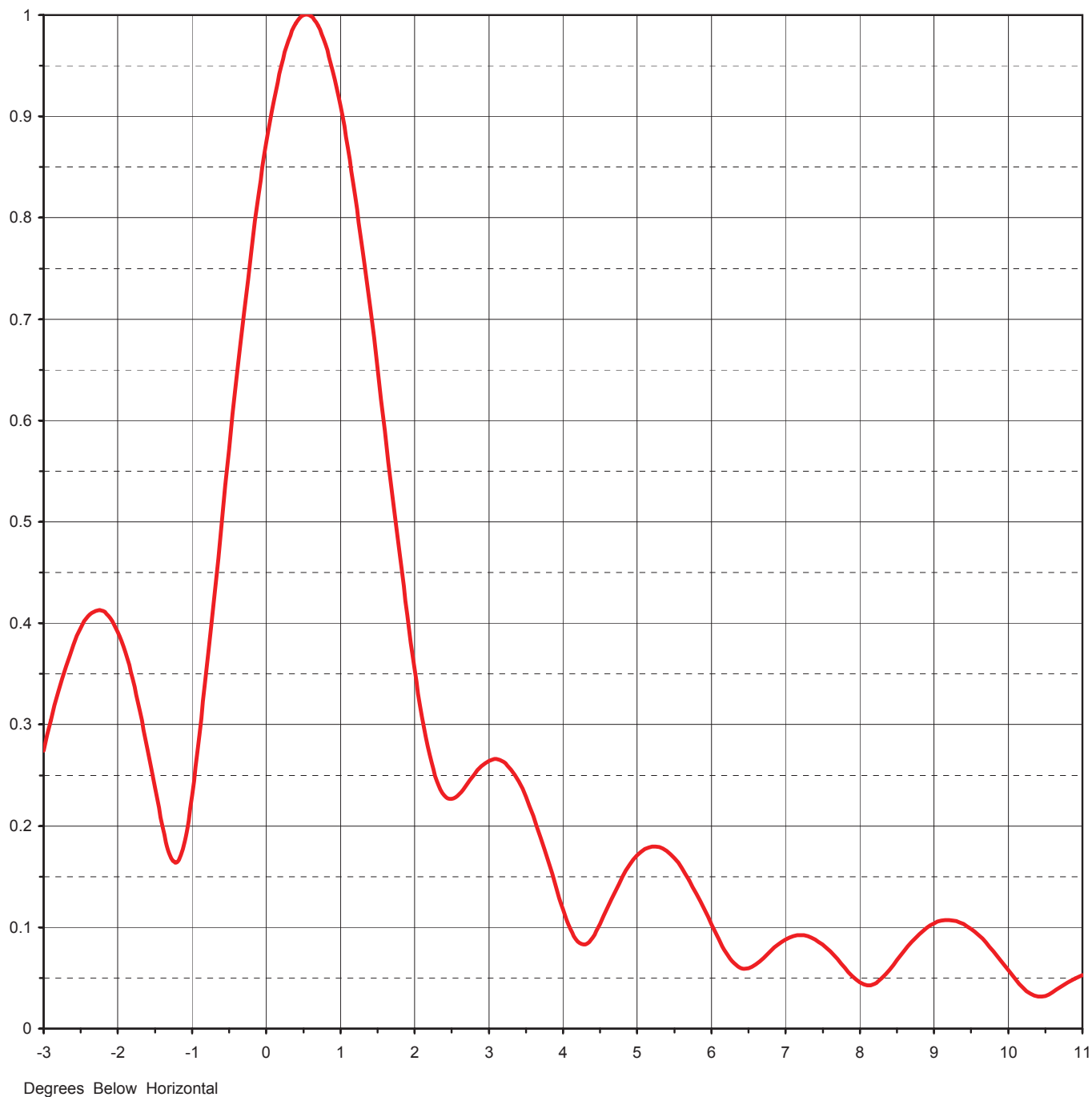


Proposal Number	<b>DCA-9505</b>	
Date	<b>31-Jul-01</b>	
Call Letters	<b>WRLH-DT</b>	Channel <b>26</b>
Location	<b>Richmond, VA</b>	
Customer		
Antenna Type	<b>TUD-O5-14/70H-1-B</b>	

### ELEVATION PATTERN

RMS Gain at Main Lobe	<b>26.70 ( 14.27 dB )</b>
RMS Gain at Horizontal	<b>20.40 ( 13.10 dB )</b>
Calculated / Measured	<b>Calculated</b>

Beam Tilt	<b>0.50 deg</b>
Frequency	<b>545.00 MHz</b>
Drawing #	<b>14U267050-545B</b>



Proposal Number **DCA-9505**Date **31-Jul-01**Call Letters **WRLH-DT** Channel **26**Location **Richmond, VA**

Customer

Antenna Type **TUD-O5-14/70H-1-B****TABULATION OF ELEVATION PATTERN**Elevation Pattern Drawing #: **14U267050-545B-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.090	2.4	0.230	10.6	0.032	30.5	0.043	51.0	0.028	71.5	0.109
-9.5	0.059	2.6	0.231	10.8	0.041	31.0	0.023	51.5	0.023	72.0	0.115
-9.0	0.037	2.8	0.250	11.0	0.050	31.5	0.020	52.0	0.015	72.5	0.119
-8.5	0.059	3.0	0.264	11.5	0.053	32.0	0.023	52.5	0.011	73.0	0.119
-8.0	0.056	3.2	0.263	12.0	0.031	32.5	0.021	53.0	0.014	73.5	0.117
-7.5	0.045	3.4	0.244	12.5	0.043	33.0	0.013	53.5	0.017	74.0	0.113
-7.0	0.098	3.6	0.210	13.0	0.072	33.5	0.009	54.0	0.017	74.5	0.108
-6.5	0.148	3.8	0.165	13.5	0.075	34.0	0.016	54.5	0.014	75.0	0.101
-6.0	0.147	4.0	0.118	14.0	0.050	34.5	0.022	55.0	0.012	75.5	0.094
-5.5	0.094	4.2	0.086	14.5	0.024	35.0	0.021	55.5	0.017	76.0	0.085
-5.0	0.054	4.4	0.090	15.0	0.035	35.5	0.015	56.0	0.026	76.5	0.077
-4.5	0.079	4.6	0.119	15.5	0.038	36.0	0.009	56.5	0.034	77.0	0.069
-4.0	0.066	4.8	0.150	16.0	0.023	36.5	0.013	57.0	0.038	77.5	0.060
-3.5	0.119	5.0	0.171	16.5	0.034	37.0	0.016	57.5	0.038	78.0	0.053
-3.0	0.274	5.2	0.180	17.0	0.057	37.5	0.014	58.0	0.034	78.5	0.046
-2.8	0.333	5.4	0.175	17.5	0.061	38.0	0.009	58.5	0.027	79.0	0.040
-2.6	0.379	5.6	0.159	18.0	0.043	38.5	0.013	59.0	0.018	79.5	0.034
-2.4	0.407	5.8	0.133	18.5	0.022	39.0	0.021	59.5	0.013	80.0	0.029
-2.2	0.412	6.0	0.103	19.0	0.028	39.5	0.025	60.0	0.014	80.5	0.025
-2.0	0.391	6.2	0.075	19.5	0.032	40.0	0.023	60.5	0.017	81.0	0.022
-1.8	0.345	6.4	0.060	20.0	0.022	40.5	0.015	61.0	0.017	81.5	0.019
-1.6	0.276	6.6	0.063	20.5	0.030	41.0	0.009	61.5	0.015	82.0	0.018
-1.4	0.200	6.8	0.077	21.0	0.054	41.5	0.012	62.0	0.013	82.5	0.016
-1.2	0.164	7.0	0.088	21.5	0.063	42.0	0.016	62.5	0.017	83.0	0.016
-1.0	0.230	7.2	0.092	22.0	0.052	42.5	0.015	63.0	0.028	83.5	0.015
-0.8	0.357	7.4	0.088	22.5	0.028	43.0	0.010	63.5	0.041	84.0	0.015
-0.6	0.500	7.6	0.076	23.0	0.019	43.5	0.011	64.0	0.054	84.5	0.015
-0.4	0.641	7.8	0.060	23.5	0.024	44.0	0.019	64.5	0.065	85.0	0.015
-0.2	0.769	8.0	0.046	24.0	0.018	44.5	0.026	65.0	0.071	85.5	0.014
0.0	0.873	8.2	0.044	24.5	0.027	45.0	0.027	65.5	0.073	86.0	0.014
0.2	0.949	8.4	0.058	25.0	0.057	45.5	0.022	66.0	0.069	86.5	0.014
0.4	0.992	8.6	0.077	25.5	0.079	46.0	0.014	66.5	0.062	87.0	0.014
0.6	0.999	8.8	0.093	26.0	0.080	46.5	0.009	67.0	0.050	87.5	0.013
0.8	0.971	9.0	0.104	26.5	0.058	47.0	0.013	67.5	0.037	88.0	0.013
1.0	0.910	9.2	0.107	27.0	0.027	47.5	0.016	68.0	0.027	88.5	0.013
1.2	0.821	9.4	0.103	27.5	0.048	48.0	0.015	68.5	0.027	89.0	0.013
1.4	0.711	9.6	0.092	28.0	0.086	48.5	0.011	69.0	0.040	89.5	0.012
1.6	0.590	9.8	0.085	28.5	0.108	49.0	0.010	69.5	0.056	90.0	0.012
1.8	0.467	10.0	0.067	29.0	0.109	49.5	0.018	70.0	0.072		
2.0	0.355	10.2	0.049	29.5	0.095	50.0	0.026	70.5	0.087		
2.2	0.271	10.4	0.034	30.0	0.069	50.5	0.030	71.0	0.099		