

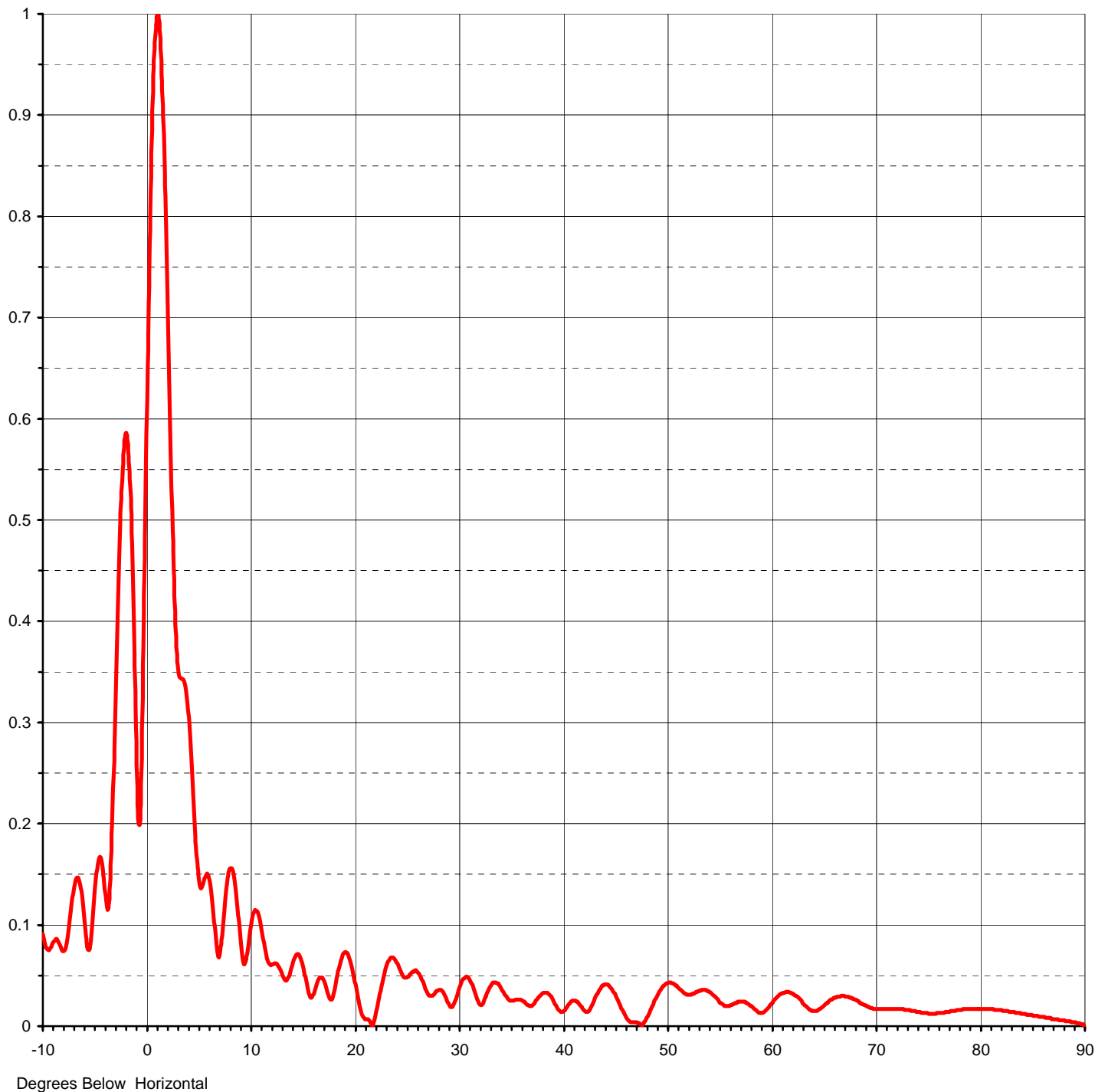


Proposal Number	DCA-10618		
Date	2-Nov-05		
Call Letters	WCAX-DT	Channel	53
Location	Burlington, VT		
Customer			
Antenna Type	TUP-O4/C4SP-10/40H-2-R		

ELEVATION PATTERN

RMS Gain at Main Lobe	21.40	(13.30 dB)
RMS Gain at Horizontal	8.20	(9.14 dB)
Calculated / Measured	Calculated	

Beam Tilt	1.00 deg
Frequency	707.00 MHz
Drawing #	10U214100-90





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TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **10U214100-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.091	2.4	0.510	10.6	0.114	30.5	0.047	51.0	0.039	71.5	0.017
-9.5	0.075	2.6	0.433	10.8	0.110	31.0	0.047	51.5	0.034	72.0	0.017
-9.0	0.083	2.8	0.380	11.0	0.101	31.5	0.035	52.0	0.031	72.5	0.017
-8.5	0.083	3.0	0.352	11.5	0.072	32.0	0.022	52.5	0.032	73.0	0.016
-8.0	0.074	3.2	0.344	12.0	0.060	32.5	0.027	53.0	0.035	73.5	0.015
-7.5	0.097	3.4	0.343	12.5	0.062	33.0	0.039	53.5	0.036	74.0	0.014
-7.0	0.137	3.6	0.339	13.0	0.053	33.5	0.043	54.0	0.034	74.5	0.013
-6.5	0.144	3.8	0.327	13.5	0.045	34.0	0.039	54.5	0.030	75.0	0.012
-6.0	0.104	4.0	0.305	14.0	0.059	34.5	0.030	55.0	0.024	75.5	0.012
-5.5	0.077	4.2	0.273	14.5	0.071	35.0	0.025	55.5	0.020	76.0	0.013
-5.0	0.135	4.4	0.235	15.0	0.062	35.5	0.026	56.0	0.020	76.5	0.013
-4.5	0.167	4.6	0.196	15.5	0.038	36.0	0.026	56.5	0.023	77.0	0.014
-4.0	0.130	4.8	0.163	16.0	0.030	36.5	0.022	57.0	0.024	77.5	0.015
-3.5	0.152	5.0	0.142	16.5	0.045	37.0	0.020	57.5	0.024	78.0	0.016
-3.0	0.334	5.2	0.136	17.0	0.046	37.5	0.026	58.0	0.020	78.5	0.017
-2.8	0.413	5.4	0.141	17.5	0.031	38.0	0.032	58.5	0.016	79.0	0.017
-2.6	0.484	5.6	0.148	18.0	0.032	38.5	0.033	59.0	0.013	79.5	0.017
-2.4	0.539	5.8	0.150	18.5	0.057	39.0	0.027	59.5	0.016	80.0	0.017
-2.2	0.575	6.0	0.144	19.0	0.072	39.5	0.017	60.0	0.022	80.5	0.017
-2.0	0.586	6.2	0.130	19.5	0.067	40.0	0.014	60.5	0.028	81.0	0.017
-1.8	0.571	6.4	0.109	20.0	0.046	40.5	0.021	61.0	0.032	81.5	0.016
-1.6	0.528	6.6	0.087	20.5	0.020	41.0	0.025	61.5	0.034	82.0	0.016
-1.4	0.458	6.8	0.070	21.0	0.007	41.5	0.023	62.0	0.032	82.5	0.015
-1.2	0.368	7.0	0.072	21.5	0.005	42.0	0.016	62.5	0.029	83.0	0.014
-1.0	0.270	7.2	0.090	22.0	0.010	42.5	0.015	63.0	0.023	83.5	0.013
-0.8	0.200	7.4	0.113	22.5	0.035	43.0	0.025	63.5	0.018	84.0	0.012
-0.6	0.228	7.6	0.135	23.0	0.057	43.5	0.036	64.0	0.015	84.5	0.011
-0.4	0.340	7.8	0.150	23.5	0.068	44.0	0.041	64.5	0.017	85.0	0.010
-0.2	0.479	8.0	0.156	24.0	0.064	44.5	0.039	65.0	0.021	85.5	0.010
0.0	0.618	8.2	0.154	24.5	0.053	45.0	0.032	65.5	0.025	86.0	0.009
0.2	0.745	8.4	0.144	25.0	0.048	45.5	0.021	66.0	0.028	86.5	0.008
0.4	0.851	8.6	0.126	25.5	0.053	46.0	0.010	66.5	0.029	87.0	0.007
0.6	0.931	8.8	0.104	26.0	0.054	46.5	0.004	67.0	0.029	87.5	0.006
0.8	0.981	9.0	0.082	26.5	0.045	47.0	0.004	67.5	0.028	88.0	0.006
1.0	1.000	9.2	0.065	27.0	0.033	47.5	0.001	68.0	0.026	88.5	0.005
1.2	0.988	9.4	0.062	27.5	0.030	48.0	0.007	68.5	0.023	89.0	0.004
1.4	0.947	9.6	0.072	28.0	0.035	48.5	0.018	69.0	0.020	89.5	0.003
1.6	0.882	9.8	0.079	28.5	0.034	49.0	0.029	69.5	0.018	90.0	0.000
1.8	0.798	10.0	0.095	29.0	0.023	49.5	0.038	70.0	0.017		
2.0	0.702	10.2	0.107	29.5	0.021	50.0	0.042	70.5	0.017		
2.2	0.603	10.4	0.113	30.0	0.036	50.5	0.042	71.0	0.017		