



Proposal Number

Revision

Date

25 Apr 2002

Call Letters

KMGH-DT

Channel

17

Location

Denver, CO

Customer

Antenna Type

TUA-C3-16/48U-1-S

ELEVATION PATTERN

RMS Gain at Main Lobe

26.4 (14.22 dB)

Beam Tilt

1.00 Degrees

RMS Gain at Horizontal

9.0 (9.54 dB)

Frequency

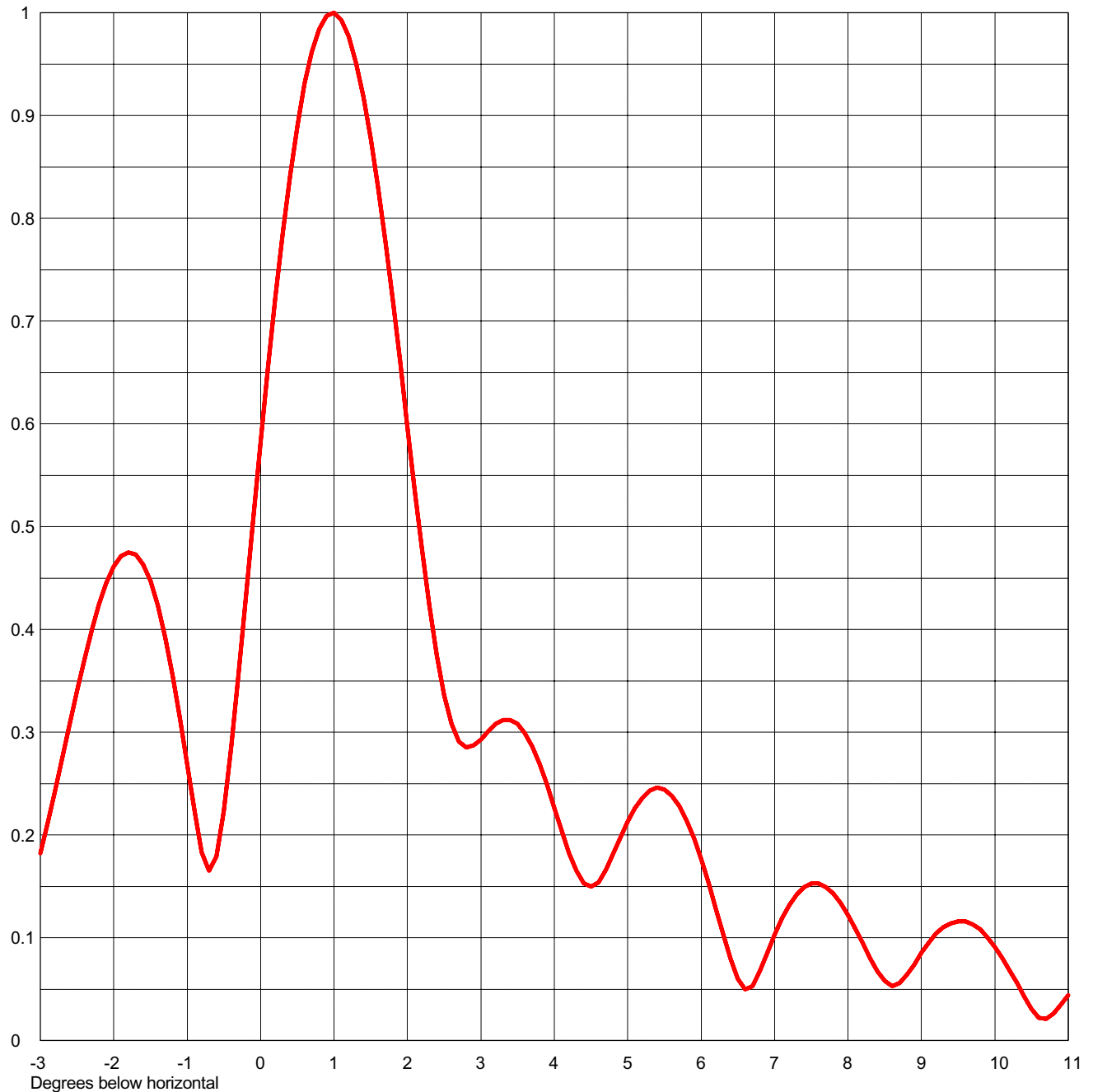
491.00 MHz

Calculated / Measured

Calculated

Drawing #

16U264100



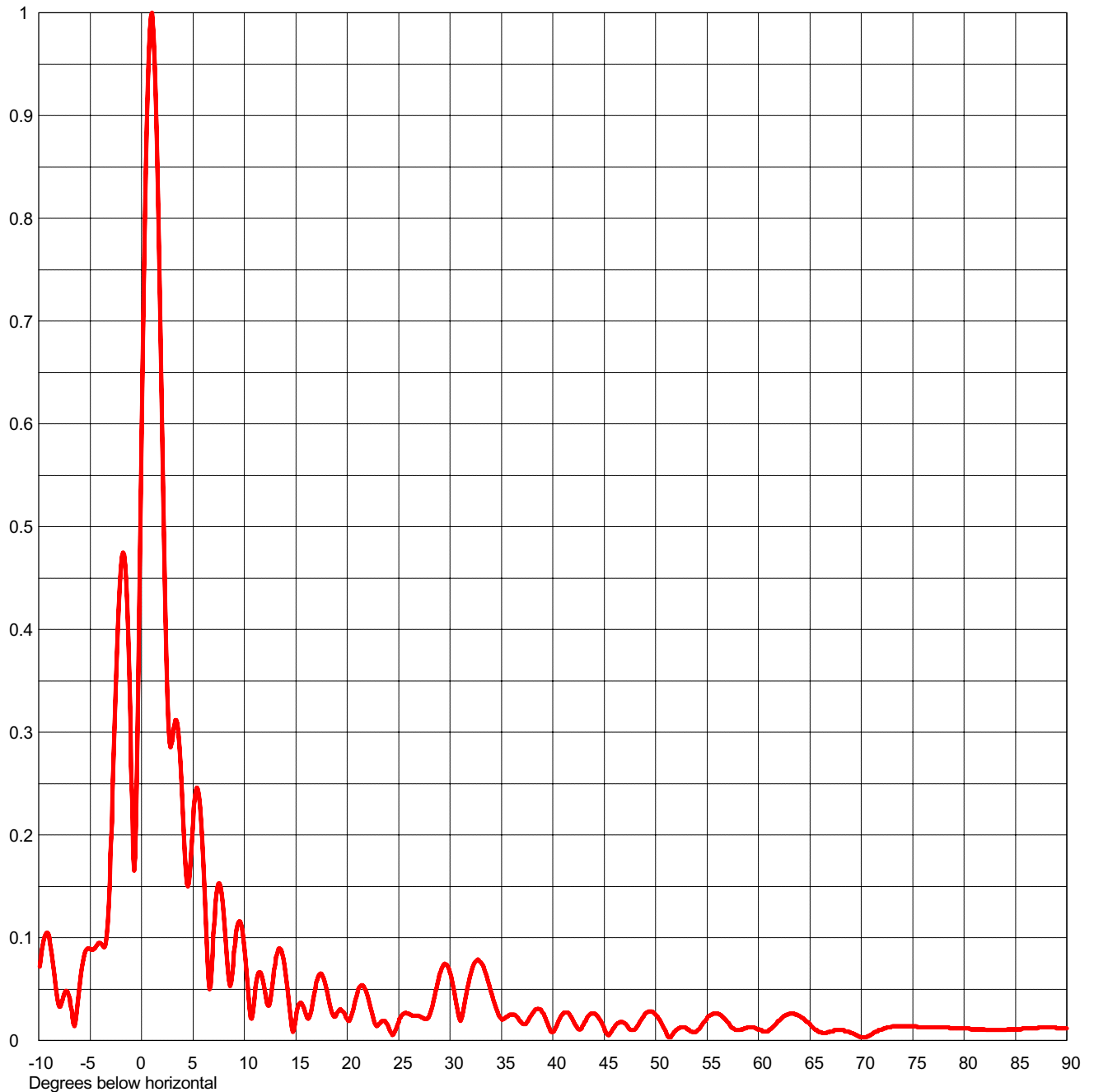
Remarks:



Proposal Number	Revision	
Date	25 Apr 2002	
Call Letters	KMGH-DT	Channel 17
Location	Denver, CO	
Customer		
Antenna Type	TUA-C3-16/48U-1-S	

ELEVATION PATTERN

RMS Gain at Main Lobe	26.4 (14.22 dB)	Beam Tilt	1.00 Degrees
RMS Gain at Horizontal	9.0 (9.54 dB)	Frequency	491.00 MHz
Calculated / Measured	Calculated	Drawing #	16U264100



Remarks:



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TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **16U264100**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.064	2.4	0.375	10.6	0.022	30.5	0.042	51.0	0.008	71.5	0.009
-9.5	0.099	2.6	0.308	10.8	0.026	31.0	0.019	51.5	0.003	72.0	0.011
-9.0	0.101	2.8	0.285	11.0	0.044	31.5	0.040	52.0	0.010	72.5	0.013
-8.5	0.067	3.0	0.293	11.5	0.066	32.0	0.064	52.5	0.013	73.0	0.014
-8.0	0.033	3.2	0.308	12.0	0.048	32.5	0.077	53.0	0.012	73.5	0.014
-7.5	0.046	3.4	0.312	12.5	0.038	33.0	0.076	53.5	0.009	74.0	0.014
-7.0	0.041	3.6	0.299	13.0	0.075	33.5	0.065	54.0	0.009	74.5	0.014
-6.5	0.014	3.8	0.269	13.5	0.089	34.0	0.047	54.5	0.015	75.0	0.014
-6.0	0.055	4.0	0.226	14.0	0.066	34.5	0.031	55.0	0.022	75.5	0.013
-5.5	0.086	4.2	0.182	14.5	0.022	35.0	0.021	55.5	0.025	76.0	0.013
-5.0	0.089	4.4	0.153	15.0	0.022	35.5	0.023	56.0	0.026	76.5	0.013
-4.5	0.090	4.6	0.154	15.5	0.037	36.0	0.025	56.5	0.023	77.0	0.013
-4.0	0.095	4.8	0.181	16.0	0.025	36.5	0.023	57.0	0.018	77.5	0.013
-3.5	0.094	5.0	0.213	16.5	0.029	37.0	0.017	57.5	0.012	78.0	0.013
-3.0	0.182	5.2	0.236	17.0	0.056	37.5	0.018	58.0	0.010	78.5	0.013
-2.8	0.243	5.4	0.246	17.5	0.065	38.0	0.026	58.5	0.011	79.0	0.012
-2.6	0.309	5.6	0.238	18.0	0.050	38.5	0.031	59.0	0.013	79.5	0.012
-2.4	0.371	5.8	0.214	18.5	0.027	39.0	0.027	59.5	0.013	80.0	0.012
-2.2	0.424	6.0	0.176	19.0	0.026	39.5	0.017	60.0	0.011	80.5	0.012
-2.0	0.461	6.2	0.129	19.5	0.029	40.0	0.008	60.5	0.009	81.0	0.011
-1.8	0.475	6.4	0.080	20.0	0.021	40.5	0.018	61.0	0.010	81.5	0.011
-1.6	0.463	6.6	0.050	20.5	0.027	41.0	0.026	61.5	0.014	82.0	0.011
-1.4	0.423	6.8	0.068	21.0	0.047	41.5	0.027	62.0	0.019	82.5	0.010
-1.2	0.355	7.0	0.103	21.5	0.054	42.0	0.019	62.5	0.024	83.0	0.010
-1.0	0.267	7.2	0.132	22.0	0.043	42.5	0.011	63.0	0.026	83.5	0.010
-0.8	0.183	7.4	0.149	22.5	0.023	43.0	0.016	63.5	0.026	84.0	0.010
-0.6	0.179	7.6	0.153	23.0	0.015	43.5	0.024	64.0	0.024	84.5	0.011
-0.4	0.285	7.8	0.143	23.5	0.019	44.0	0.026	64.5	0.020	85.0	0.011
-0.2	0.432	8.0	0.122	24.0	0.014	44.5	0.021	65.0	0.016	85.5	0.011
0.0	0.583	8.2	0.095	24.5	0.006	45.0	0.012	65.5	0.011	86.0	0.012
0.2	0.724	8.4	0.067	25.0	0.018	45.5	0.005	66.0	0.008	86.5	0.012
0.4	0.842	8.6	0.053	25.5	0.026	46.0	0.013	66.5	0.007	87.0	0.012
0.6	0.931	8.8	0.064	26.0	0.026	46.5	0.018	67.0	0.009	87.5	0.013
0.8	0.984	9.0	0.085	26.5	0.024	47.0	0.017	67.5	0.010	88.0	0.013
1.0	1.000	9.2	0.104	27.0	0.024	47.5	0.011	68.0	0.010	88.5	0.013
1.2	0.977	9.4	0.114	27.5	0.021	48.0	0.011	68.5	0.009	89.0	0.012
1.4	0.918	9.6	0.116	28.0	0.024	48.5	0.019	69.0	0.007	89.5	0.012
1.6	0.829	9.8	0.108	28.5	0.043	49.0	0.026	69.5	0.005	90.0	0.012
1.8	0.719	10.0	0.091	29.0	0.064	49.5	0.028	70.0	0.003		
2.0	0.598	10.2	0.068	29.5	0.075	50.0	0.025	70.5	0.003		
2.2	0.478	10.4	0.043	30.0	0.066	50.5	0.018	71.0	0.006		

Remarks: