



Date
Call Letters
Location
Customer
Antenna Type

16 Jul 2001
WCYB-DT
Bristol, VA

Channel

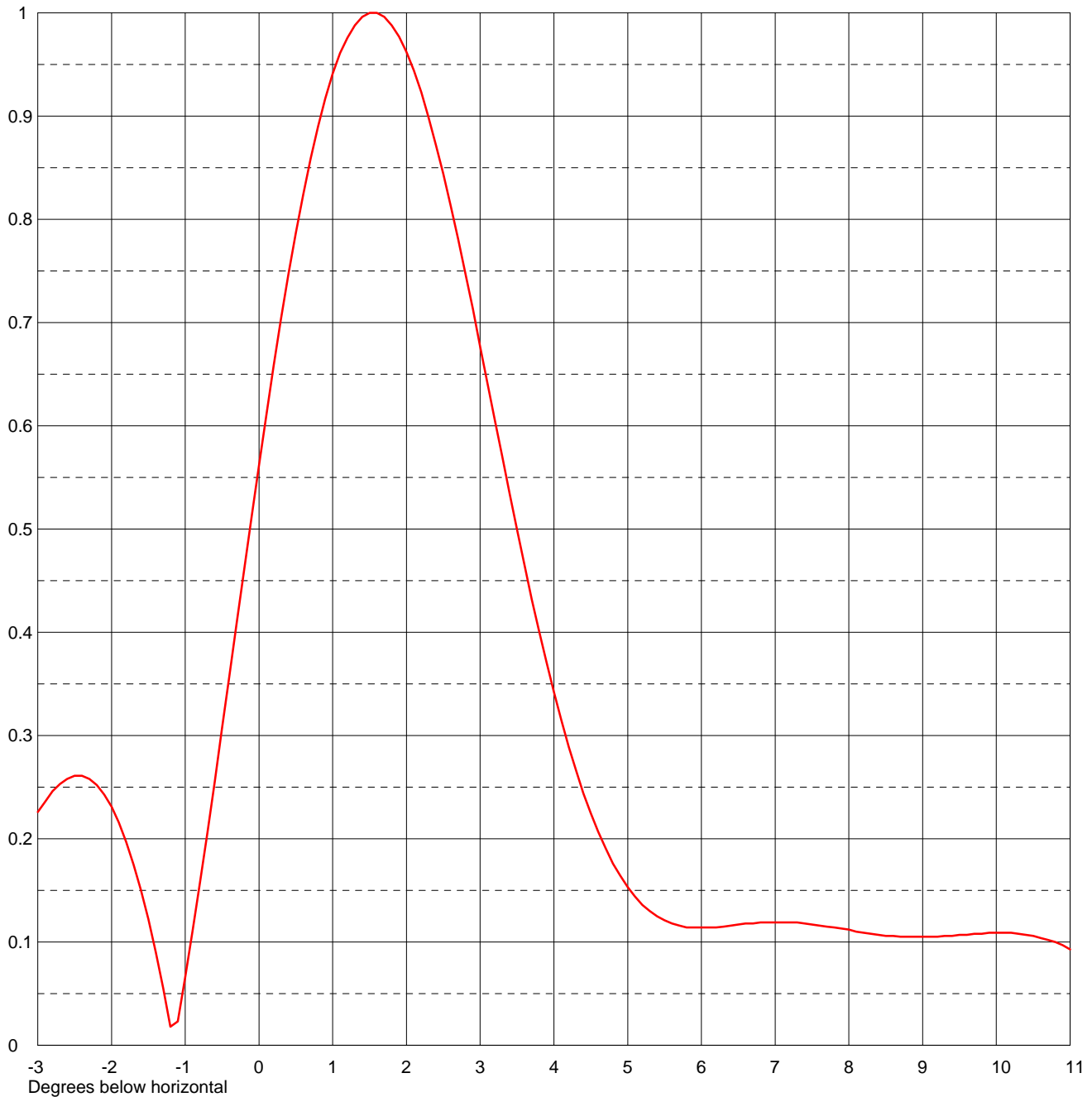
ELEVATION PATTERN

RMS Gain at Main Lobe
RMS Gain at Horizontal
Calculated / Measured

20.5 (13.12 dB)
6.5 (8.13 dB)
Calculated

Beam Tilt
Frequency
Drawing #

1.50 Degrees
MHz
24G205150



Remarks:



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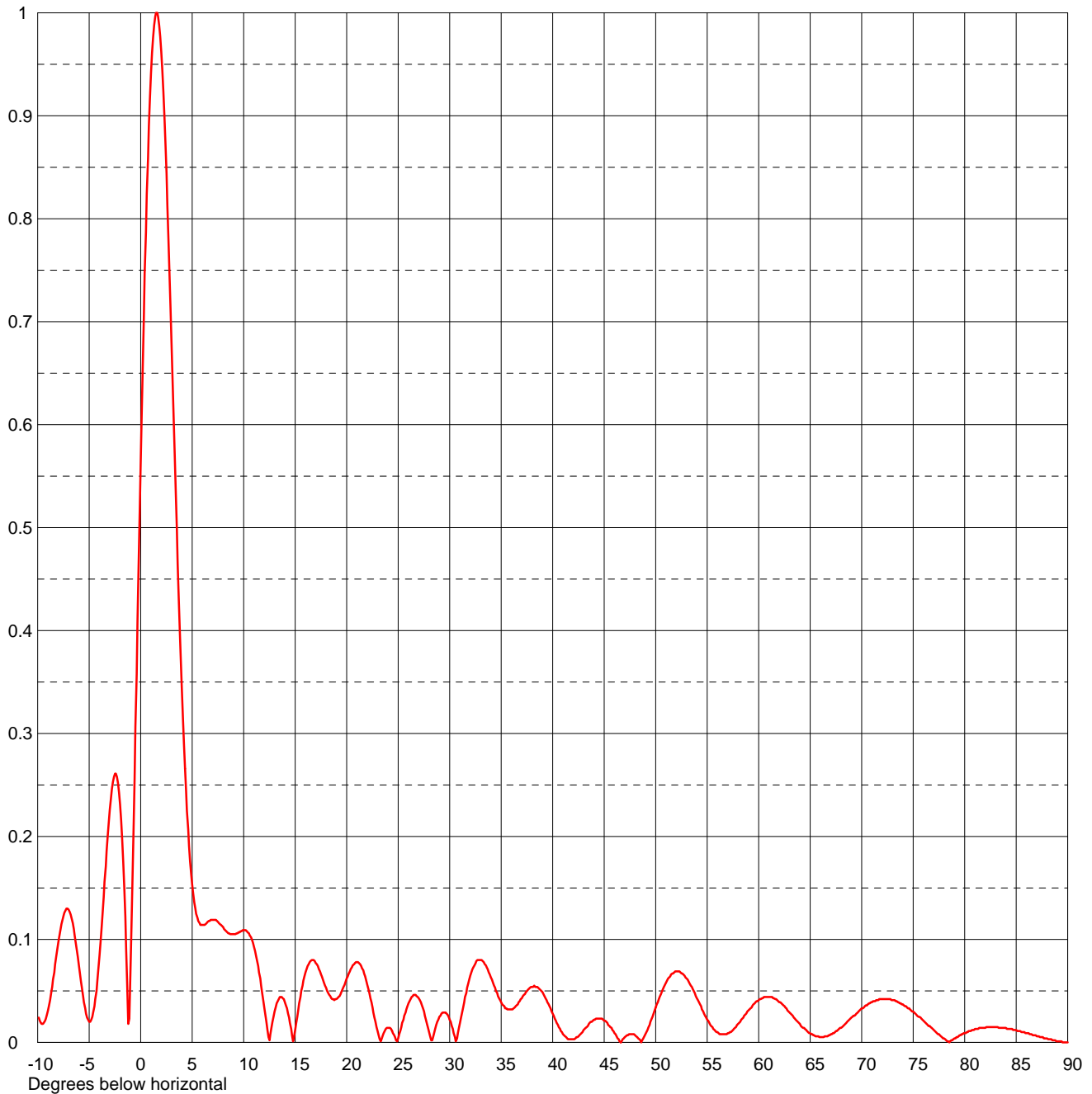
ELEVATION PATTERN

RMS Gain at Main Lobe
RMS Gain at Horizontal
Calculated / Measured

20.5 (13.12 dB)
6.5 (8.13 dB)
Calculated

Beam Tilt
Frequency
Drawing #

1.50 Degrees
MHz
24G205150-90



Remarks:



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TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **24G205150-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.028	2.4	0.872	10.6	0.104	30.5	0.005	51.0	0.058	71.5	0.041
-9.5	0.018	2.6	0.813	10.8	0.100	31.0	0.019	51.5	0.066	72.0	0.042
-9.0	0.031	2.8	0.747	11.0	0.093	31.5	0.044	52.0	0.069	72.5	0.042
-8.5	0.061	3.0	0.677	11.5	0.068	32.0	0.065	52.5	0.067	73.0	0.041
-8.0	0.097	3.2	0.605	12.0	0.034	32.5	0.077	53.0	0.062	73.5	0.039
-7.5	0.123	3.4	0.534	12.5	0.002	33.0	0.080	53.5	0.054	74.0	0.037
-7.0	0.129	3.6	0.465	13.0	0.030	33.5	0.075	54.0	0.043	74.5	0.033
-6.5	0.110	3.8	0.401	13.5	0.044	34.0	0.063	54.5	0.032	75.0	0.030
-6.0	0.075	4.0	0.342	14.0	0.039	34.5	0.050	55.0	0.022	75.5	0.025
-5.5	0.039	4.2	0.289	14.5	0.019	35.0	0.039	55.5	0.015	76.0	0.021
-5.0	0.020	4.4	0.244	15.0	0.012	35.5	0.033	56.0	0.010	76.5	0.016
-4.5	0.035	4.6	0.207	15.5	0.044	36.0	0.032	56.5	0.008	77.0	0.012
-4.0	0.084	4.8	0.176	16.0	0.068	36.5	0.036	57.0	0.009	77.5	0.008
-3.5	0.156	5.0	0.153	16.5	0.079	37.0	0.043	57.5	0.012	78.0	0.004
-3.0	0.226	5.2	0.136	17.0	0.077	37.5	0.050	58.0	0.018	78.5	0.000
-2.8	0.246	5.4	0.125	17.5	0.066	38.0	0.054	58.5	0.024	79.0	0.004
-2.6	0.258	5.6	0.118	18.0	0.053	38.5	0.054	59.0	0.031	79.5	0.007
-2.4	0.261	5.8	0.114	18.5	0.043	39.0	0.049	59.5	0.037	80.0	0.009
-2.2	0.252	6.0	0.114	19.0	0.042	39.5	0.039	60.0	0.041	80.5	0.011
-2.0	0.231	6.2	0.114	19.5	0.049	40.0	0.028	60.5	0.044	81.0	0.013
-1.8	0.197	6.4	0.116	20.0	0.062	40.5	0.017	61.0	0.044	81.5	0.014
-1.6	0.150	6.6	0.118	20.5	0.073	41.0	0.008	61.5	0.043	82.0	0.014
-1.4	0.090	6.8	0.119	21.0	0.078	41.5	0.003	62.0	0.039	82.5	0.015
-1.2	0.018	7.0	0.119	21.5	0.072	42.0	0.003	62.5	0.035	83.0	0.015
-1.0	0.066	7.2	0.119	22.0	0.056	42.5	0.006	63.0	0.029	83.5	0.014
-0.8	0.158	7.4	0.118	22.5	0.034	43.0	0.012	63.5	0.023	84.0	0.014
-0.6	0.256	7.6	0.116	23.0	0.011	43.5	0.018	64.0	0.018	84.5	0.013
-0.4	0.358	7.8	0.114	23.5	0.007	44.0	0.022	64.5	0.013	85.0	0.012
-0.2	0.461	8.0	0.112	24.0	0.014	44.5	0.023	65.0	0.009	85.5	0.010
0.0	0.562	8.2	0.109	24.5	0.009	45.0	0.021	65.5	0.006	86.0	0.009
0.2	0.658	8.4	0.107	25.0	0.004	45.5	0.016	66.0	0.005	86.5	0.008
0.4	0.747	8.6	0.106	25.5	0.022	46.0	0.009	66.5	0.006	87.0	0.006
0.6	0.824	8.8	0.105	26.0	0.038	46.5	0.001	67.0	0.008	87.5	0.005
0.8	0.890	9.0	0.105	26.5	0.046	47.0	0.005	67.5	0.011	88.0	0.004
1.0	0.941	9.2	0.105	27.0	0.043	47.5	0.008	68.0	0.014	88.5	0.002
1.2	0.976	9.4	0.106	27.5	0.030	48.0	0.007	68.5	0.019	89.0	0.001
1.4	0.996	9.6	0.107	28.0	0.010	48.5	0.002	69.0	0.024	89.5	0.000
1.6	1.000	9.8	0.108	28.5	0.010	49.0	0.008	69.5	0.028	90.0	0.000
1.8	0.988	10.0	0.109	29.0	0.025	49.5	0.020	70.0	0.033		
2.0	0.962	10.2	0.109	29.5	0.029	50.0	0.034	70.5	0.036		
2.2	0.923	10.4	0.107	30.0	0.022	50.5	0.047	71.0	0.039		

Remarks: