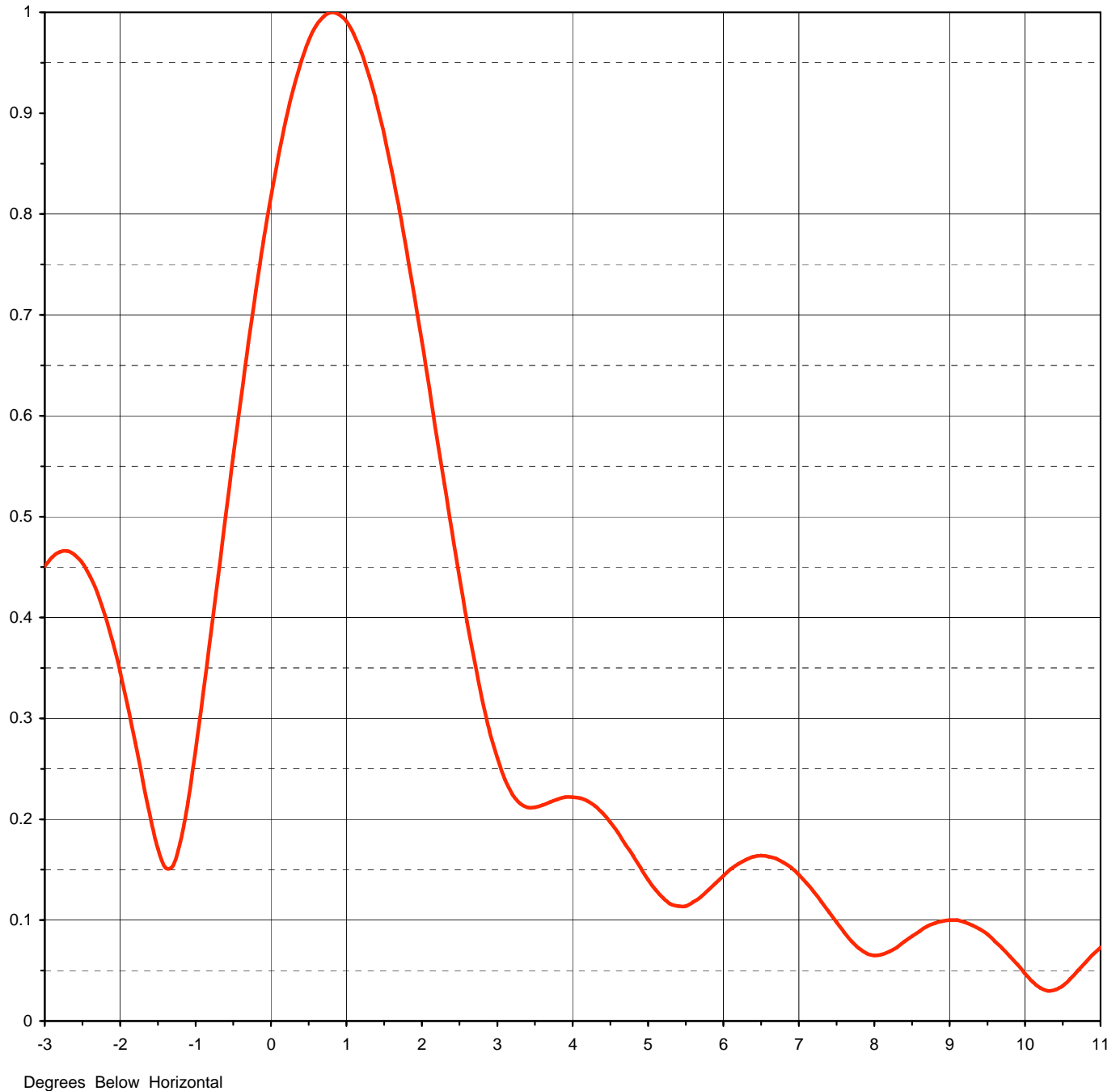




Proposal Number	C-01146	
Date	8-Mar-07	
Call Letters	KOFY	Channel 19
Location	San Francisco, CA	
Customer	Sutro Tower Inc.	
Antenna Type	TUA-C4SP-12/40U-1-S	

ELEVATION PATTERN

RMS Gain at Main Lobe	20.70 (13.16 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	13.80 (11.40 dB)	Frequency	503.00 MHz
Calculated / Measured	Calculated	Drawing #	12U219075

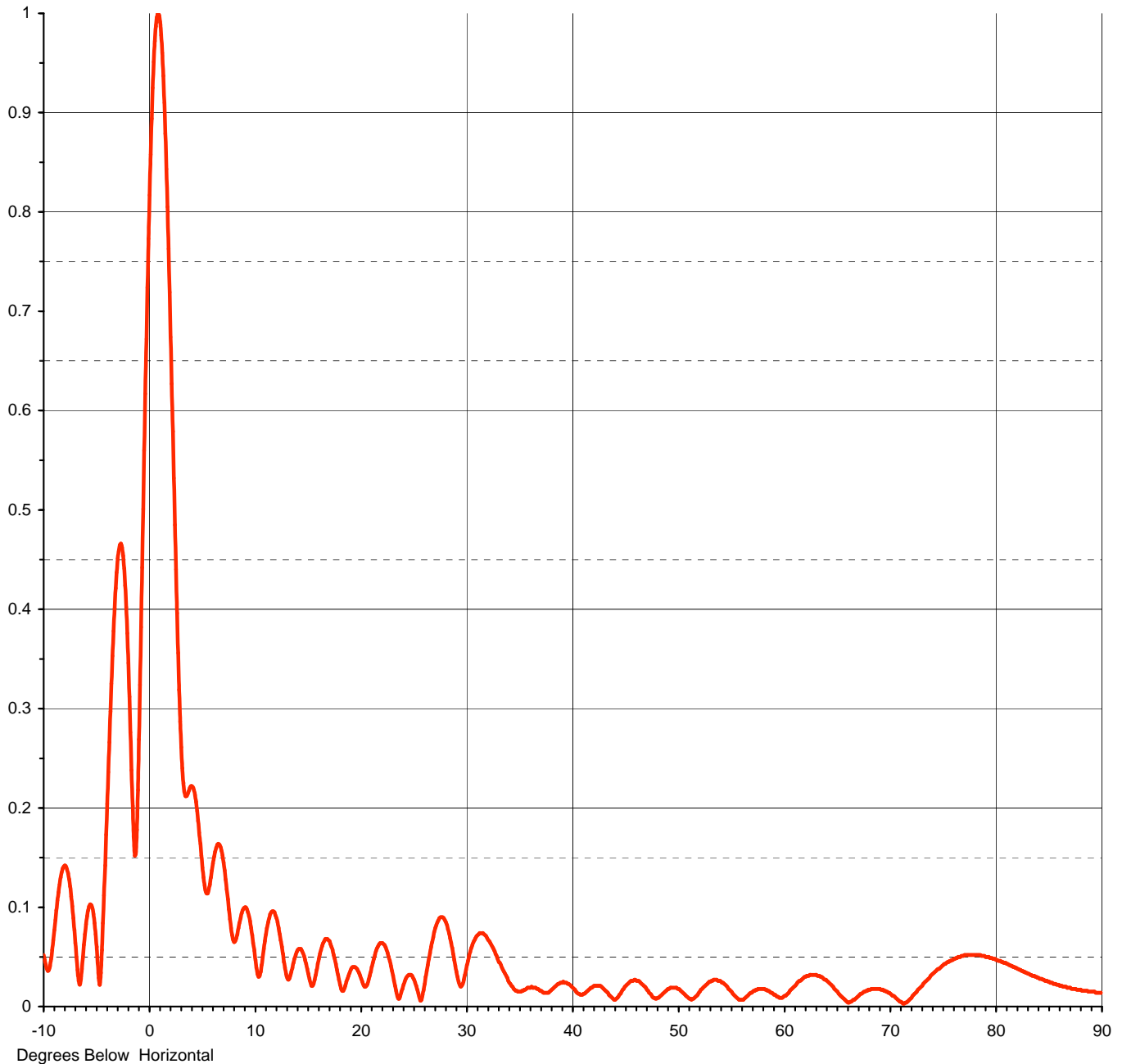




Proposal Number	C-01146	
Date	8-Mar-07	
Call Letters	KOFY	Channel 19
Location	San Francisco, CA	
Customer	Sutro Tower Inc.	
Antenna Type	TUA-C4SP-12/40U-1-S	

ELEVATION PATTERN

RMS Gain at Main Lobe	20.70 (13.16 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	13.80 (11.40 dB)	Frequency	503.00 MHz
Calculated / Measured	Calculated	Drawing #	12U219075-90



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Proposal Number **C-01146**
 Date **8-Mar-07**
 Call Letters **KOFY** Channel **19**
 Location **San Francisco, CA**
 Customer **Sutro Tower Inc.**
 Antenna Type **TUA-C4SP-12/40U-1-S**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **12U219075-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.052	2.4	0.485	10.6	0.035	30.5	0.059	51.0	0.009	71.5	0.004
-9.5	0.037	2.6	0.396	10.8	0.050	31.0	0.071	51.5	0.008	72.0	0.009
-9.0	0.077	2.8	0.319	11.0	0.066	31.5	0.074	52.0	0.014	72.5	0.015
-8.5	0.123	3.0	0.261	11.5	0.093	32.0	0.069	52.5	0.020	73.0	0.021
-8.0	0.142	3.2	0.225	12.0	0.092	32.5	0.060	53.0	0.025	73.5	0.027
-7.5	0.121	3.4	0.212	12.5	0.067	33.0	0.048	53.5	0.027	74.0	0.033
-7.0	0.064	3.6	0.214	13.0	0.033	33.5	0.037	54.0	0.026	74.5	0.038
-6.5	0.027	3.8	0.220	13.5	0.035	34.0	0.026	54.5	0.022	75.0	0.042
-6.0	0.083	4.0	0.222	14.0	0.055	34.5	0.018	55.0	0.016	75.5	0.045
-5.5	0.102	4.2	0.218	14.5	0.056	35.0	0.015	55.5	0.010	76.0	0.048
-5.0	0.060	4.4	0.206	15.0	0.038	35.5	0.017	56.0	0.007	76.5	0.050
-4.5	0.057	4.6	0.187	15.5	0.021	36.0	0.019	56.5	0.010	77.0	0.052
-4.0	0.204	4.8	0.164	16.0	0.043	36.5	0.019	57.0	0.014	77.5	0.052
-3.5	0.353	5.0	0.140	16.5	0.064	37.0	0.016	57.5	0.017	78.0	0.052
-3.0	0.451	5.2	0.122	17.0	0.067	37.5	0.014	58.0	0.018	78.5	0.052
-2.8	0.465	5.4	0.114	17.5	0.052	38.0	0.016	58.5	0.016	79.0	0.050
-2.6	0.462	5.6	0.118	18.0	0.027	38.5	0.021	59.0	0.013	79.5	0.049
-2.4	0.441	5.8	0.130	18.5	0.018	39.0	0.024	59.5	0.010	80.0	0.047
-2.2	0.402	6.0	0.144	19.0	0.034	39.5	0.024	60.0	0.010	80.5	0.045
-2.0	0.346	6.2	0.156	19.5	0.040	40.0	0.020	60.5	0.014	81.0	0.043
-1.8	0.276	6.4	0.163	20.0	0.031	40.5	0.014	61.0	0.020	81.5	0.041
-1.6	0.202	6.6	0.163	20.5	0.020	41.0	0.012	61.5	0.026	82.0	0.038
-1.4	0.152	6.8	0.157	21.0	0.035	41.5	0.016	62.0	0.030	82.5	0.036
-1.2	0.178	7.0	0.145	21.5	0.056	42.0	0.020	62.5	0.032	83.0	0.033
-1.0	0.269	7.2	0.128	22.0	0.064	42.5	0.021	63.0	0.032	83.5	0.031
-0.8	0.382	7.4	0.108	22.5	0.057	43.0	0.018	63.5	0.030	84.0	0.029
-0.6	0.501	7.6	0.088	23.0	0.036	43.5	0.012	64.0	0.027	84.5	0.027
-0.4	0.617	7.8	0.072	23.5	0.011	44.0	0.007	64.5	0.021	85.0	0.025
-0.2	0.724	8.0	0.065	24.0	0.018	44.5	0.012	65.0	0.015	85.5	0.023
0.0	0.817	8.2	0.069	24.5	0.031	45.0	0.020	65.5	0.009	86.0	0.021
0.2	0.894	8.4	0.079	25.0	0.029	45.5	0.025	66.0	0.004	86.5	0.020
0.4	0.951	8.6	0.089	25.5	0.013	46.0	0.027	66.5	0.007	87.0	0.019
0.6	0.987	8.8	0.097	26.0	0.017	46.5	0.024	67.0	0.011	87.5	0.018
0.8	1.000	9.0	0.100	26.5	0.048	47.0	0.019	67.5	0.015	88.0	0.017
1.0	0.991	9.2	0.098	27.0	0.075	47.5	0.012	68.0	0.017	88.5	0.016
1.2	0.960	9.4	0.091	27.5	0.089	48.0	0.008	68.5	0.018	89.0	0.015
1.4	0.910	9.6	0.079	28.0	0.087	48.5	0.012	69.0	0.018	89.5	0.014
1.6	0.843	9.8	0.072	28.5	0.069	49.0	0.017	69.5	0.016	90.0	0.014
1.8	0.763	10.0	0.056	29.0	0.041	49.5	0.019	70.0	0.013		
2.0	0.674	10.2	0.039	29.5	0.020	50.0	0.018	70.5	0.009		
2.2	0.579	10.4	0.030	30.0	0.037	50.5	0.014	71.0	0.005		

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