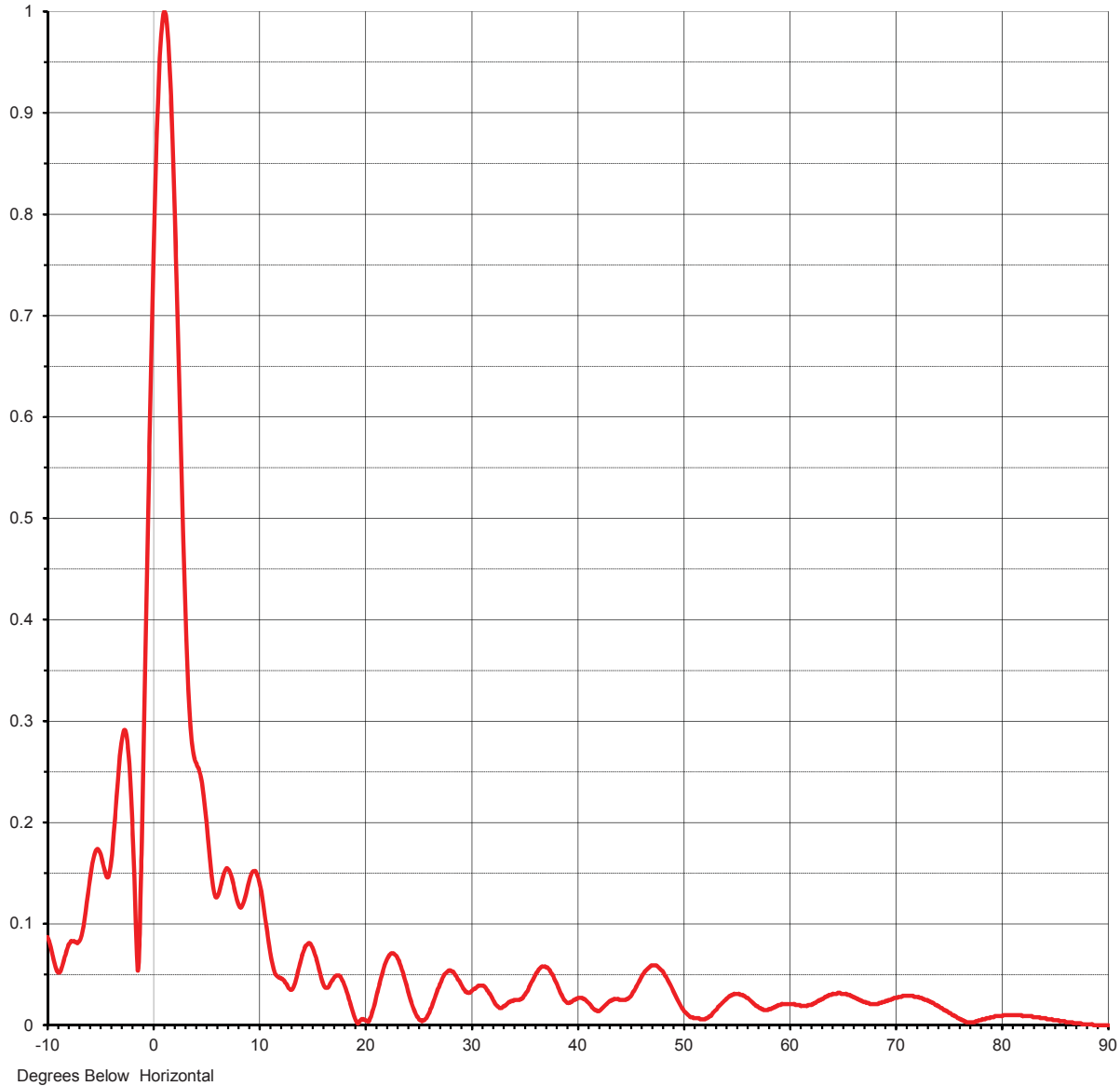




Proposal Number	C-06318-2	Revision:	2
Date	6-May-16		
Call Letters	KPPX	Channel	31
Location	Tolleson, AZ		
Customer	ION Media		
Antenna Type	TFU-23JTH/VP-R 04 (SP)		

ELEVATION PATTERN

RMS Gain at Main Lobe	21.70 (13.36 dB)	Beam Tilt	1.00 deg
RMS Gain at Horizontal	12.70 (11.04 dB)	Frequency	575.00 MHz
Calculated / Measured	Calculated	Drawing #	23J217100-90



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Proposal Number **C-06318-2** Revision: **2**
Date **6-May-16**
Call Letters **KPPX** Channel **31**
Location **Tolleson, AZ**
Customer **ION Media**
Antenna Type **TFU-23JTH/VP-R O4 (SP)**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **23J217100-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.087	2.4	0.637	10.6	0.107	30.5	0.037	51.0	0.007	71.5	0.029
-9.5	0.068	2.6	0.555	10.8	0.092	31.0	0.039	51.5	0.007	72.0	0.028
-9.0	0.052	2.8	0.476	11.0	0.077	31.5	0.035	52.0	0.006	72.5	0.026
-8.5	0.063	3.0	0.406	11.5	0.052	32.0	0.027	52.5	0.009	73.0	0.024
-8.0	0.080	3.2	0.348	12.0	0.047	32.5	0.019	53.0	0.014	73.5	0.022
-7.5	0.083	3.4	0.305	12.5	0.042	33.0	0.018	53.5	0.020	74.0	0.019
-7.0	0.083	3.6	0.279	13.0	0.035	33.5	0.022	54.0	0.025	74.5	0.015
-6.5	0.105	3.8	0.265	13.5	0.044	34.0	0.024	54.5	0.029	75.0	0.012
-6.0	0.145	4.0	0.259	14.0	0.065	34.5	0.025	55.0	0.031	75.5	0.009
-5.5	0.171	4.2	0.254	14.5	0.079	35.0	0.029	55.5	0.030	76.0	0.006
-5.0	0.169	4.4	0.247	15.0	0.078	35.5	0.038	56.0	0.027	76.5	0.004
-4.5	0.148	4.6	0.235	15.5	0.063	36.0	0.048	56.5	0.023	77.0	0.003
-4.0	0.162	4.8	0.218	16.0	0.043	36.5	0.056	57.0	0.019	77.5	0.004
-3.5	0.225	5.0	0.198	16.5	0.037	37.0	0.058	57.5	0.016	78.0	0.005
-3.0	0.282	5.2	0.175	17.0	0.045	37.5	0.053	58.0	0.015	78.5	0.007
-2.8	0.291	5.4	0.154	17.5	0.049	38.0	0.043	58.5	0.017	79.0	0.008
-2.6	0.288	5.6	0.137	18.0	0.042	38.5	0.031	59.0	0.020	79.5	0.009
-2.4	0.271	5.8	0.127	18.5	0.026	39.0	0.023	59.5	0.021	80.0	0.009
-2.2	0.241	6.0	0.127	19.0	0.009	39.5	0.023	60.0	0.021	80.5	0.010
-2.0	0.195	6.2	0.132	19.5	0.004	40.0	0.026	60.5	0.021	81.0	0.010
-1.8	0.137	6.4	0.141	20.0	0.005	40.5	0.027	61.0	0.020	81.5	0.010
-1.6	0.074	6.6	0.149	20.5	0.007	41.0	0.023	61.5	0.019	82.0	0.009
-1.4	0.064	6.8	0.154	21.0	0.024	41.5	0.017	62.0	0.020	82.5	0.009
-1.2	0.144	7.0	0.154	21.5	0.046	42.0	0.014	62.5	0.022	83.0	0.008
-1.0	0.245	7.2	0.151	22.0	0.063	42.5	0.018	63.0	0.025	83.5	0.008
-0.8	0.353	7.4	0.144	22.5	0.071	43.0	0.023	63.5	0.028	84.0	0.007
-0.6	0.463	7.6	0.135	23.0	0.068	43.5	0.026	64.0	0.030	84.5	0.006
-0.4	0.571	7.8	0.126	23.5	0.055	44.0	0.025	64.5	0.032	85.0	0.005
-0.2	0.672	8.0	0.119	24.0	0.037	44.5	0.025	65.0	0.031	85.5	0.004
0.0	0.765	8.2	0.116	24.5	0.019	45.0	0.028	65.5	0.030	86.0	0.003
0.2	0.845	8.4	0.119	25.0	0.008	45.5	0.036	66.0	0.028	86.5	0.003
0.4	0.911	8.6	0.125	25.5	0.005	46.0	0.046	66.5	0.025	87.0	0.002
0.6	0.959	8.8	0.134	26.0	0.011	46.5	0.054	67.0	0.023	87.5	0.001
0.8	0.989	9.0	0.142	26.5	0.024	47.0	0.059	67.5	0.021	88.0	0.001
1.0	1.000	9.2	0.149	27.0	0.038	47.5	0.059	68.0	0.021	88.5	0.001
1.2	0.992	9.4	0.152	27.5	0.050	48.0	0.054	68.5	0.022	89.0	0.000
1.4	0.966	9.6	0.152	28.0	0.054	48.5	0.046	69.0	0.024	89.5	0.000
1.6	0.923	9.8	0.150	28.5	0.050	49.0	0.036	69.5	0.025	90.0	0.000
1.8	0.866	10.0	0.144	29.0	0.042	49.5	0.025	70.0	0.027		
2.0	0.797	10.2	0.134	29.5	0.033	50.0	0.016	70.5	0.028		
2.2	0.719	10.4	0.121	30.0	0.033	50.5	0.010	71.0	0.029		

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