





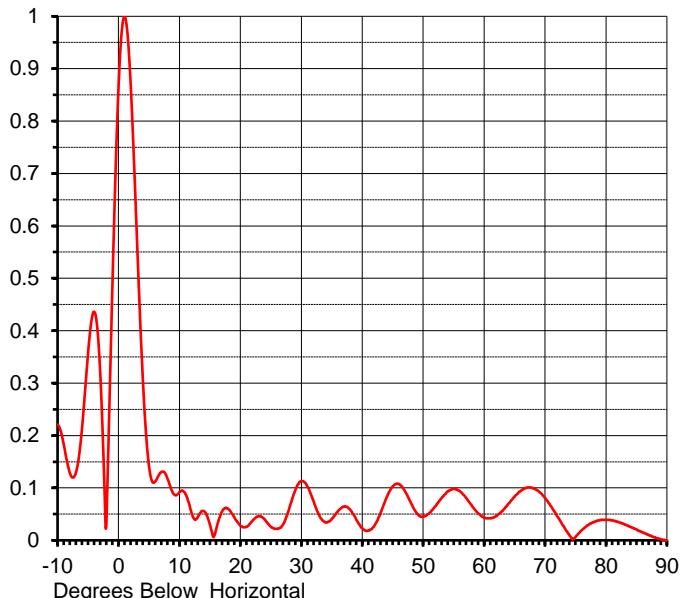
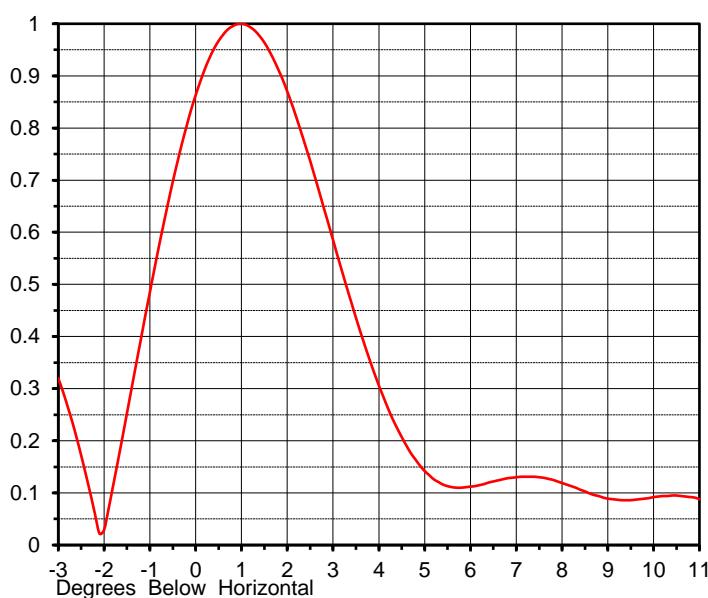
## ELEVATION PATTERN

Proposal No. C-71941  
 Date 1-Sep-22  
 Call Letters WHNO  
 Channel 21  
 Frequency 515 MHz  
 Antenna Type TFU-18DSC/VP-R S180

RMS Directivity at Main Lobe  
 RMS Directivity at Horizontal

**15.0 ( 11.76 dB )**  
**11.2 ( 10.49 dB )**  
**Calculated**

Beam Tilt 1.00 deg  
 Pattern Number 18Q150100



Angle	Field								
-10.0	0.221	10.0	0.092	30.0	0.113	50.0	0.045	70.0	0.081
-9.0	0.184	11.0	0.088	31.0	0.103	51.0	0.052	71.0	0.065
-8.0	0.129	12.0	0.052	32.0	0.075	52.0	0.065	72.0	0.046
-7.0	0.129	13.0	0.044	33.0	0.046	53.0	0.080	73.0	0.028
-6.0	0.212	14.0	0.056	34.0	0.034	54.0	0.093	74.0	0.010
-5.0	0.356	15.0	0.030	35.0	0.041	55.0	0.098	75.0	0.006
-4.0	0.436	16.0	0.020	36.0	0.055	56.0	0.094	76.0	0.019
-3.0	0.320	17.0	0.055	37.0	0.064	57.0	0.082	77.0	0.029
-2.0	0.029	18.0	0.060	38.0	0.059	58.0	0.066	78.0	0.035
-1.0	0.485	19.0	0.044	39.0	0.040	59.0	0.052	79.0	0.038
0.0	0.863	20.0	0.028	40.0	0.023	60.0	0.043	80.0	0.039
1.0	1.000	21.0	0.026	41.0	0.019	61.0	0.042	81.0	0.038
2.0	0.870	22.0	0.037	42.0	0.028	62.0	0.046	82.0	0.035
3.0	0.585	23.0	0.046	43.0	0.052	63.0	0.056	83.0	0.031
4.0	0.306	24.0	0.040	44.0	0.082	64.0	0.070	84.0	0.026
5.0	0.142	25.0	0.026	45.0	0.103	65.0	0.083	85.0	0.021
6.0	0.112	26.0	0.022	46.0	0.107	66.0	0.094	86.0	0.015
7.0	0.130	27.0	0.030	47.0	0.094	67.0	0.100	87.0	0.010
8.0	0.119	28.0	0.060	48.0	0.071	68.0	0.100	88.0	0.006
9.0	0.089	29.0	0.095	49.0	0.051	69.0	0.093	89.0	0.002

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