





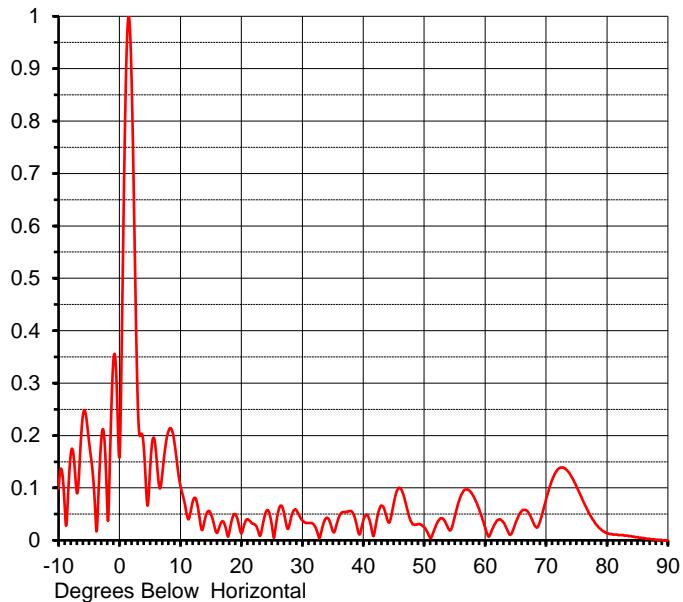
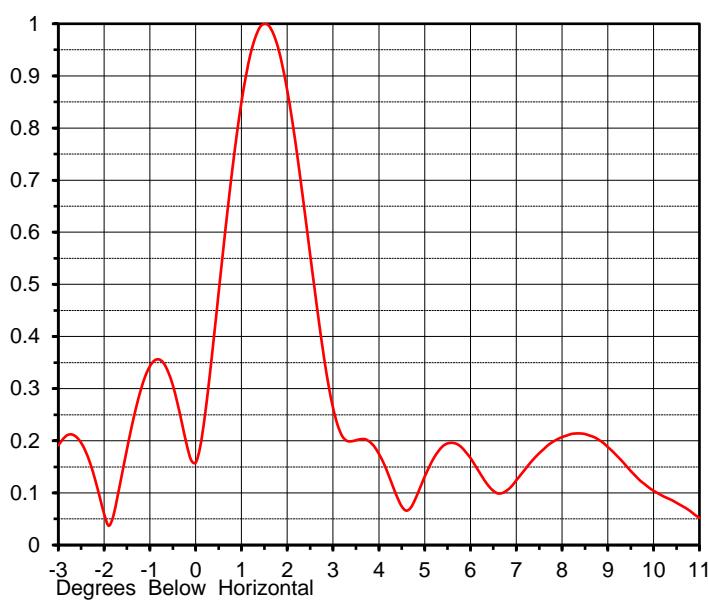
## ELEVATION PATTERN

Proposal No. C-71902-3  
 Date 24-Feb-23  
 Call Letters KBOI  
 Channel 20  
 Frequency 509 MHz  
 Antenna Type TFU-32GTQ/VP-R O8 BB

RMS Directivity at Main Lobe  
 RMS Directivity at Horizontal

**26.1 ( 14.17 dB )**  
**0.7 -( 1.55 dB )**  
 Calculated

Beam Tilt 1.50 deg  
 Pattern Number 32SP261150



Angle	Field								
-10.0	0.098	10.0	0.104	30.0	0.038	50.0	0.025	70.0	0.078
-9.0	0.067	11.0	0.052	31.0	0.033	51.0	0.005	71.0	0.115
-8.0	0.164	12.0	0.073	32.0	0.028	52.0	0.030	72.0	0.136
-7.0	0.090	13.0	0.053	33.0	0.011	53.0	0.042	73.0	0.138
-6.0	0.239	14.0	0.039	34.0	0.043	54.0	0.022	74.0	0.125
-5.0	0.188	15.0	0.050	35.0	0.018	55.0	0.044	75.0	0.103
-4.0	0.061	16.0	0.014	36.0	0.044	56.0	0.084	76.0	0.077
-3.0	0.191	17.0	0.036	37.0	0.054	57.0	0.097	77.0	0.053
-2.0	0.060	18.0	0.014	38.0	0.056	58.0	0.086	78.0	0.034
-1.0	0.343	19.0	0.050	39.0	0.025	59.0	0.060	79.0	0.021
0.0	0.158	20.0	0.013	40.0	0.037	60.0	0.025	80.0	0.014
1.0	0.850	21.0	0.040	41.0	0.040	61.0	0.016	81.0	0.011
2.0	0.872	22.0	0.031	42.0	0.025	62.0	0.038	82.0	0.010
3.0	0.263	23.0	0.009	43.0	0.066	63.0	0.034	83.0	0.009
4.0	0.175	24.0	0.053	44.0	0.038	64.0	0.011	84.0	0.008
5.0	0.131	25.0	0.029	45.0	0.070	65.0	0.033	85.0	0.006
6.0	0.167	26.0	0.052	46.0	0.100	66.0	0.056	86.0	0.004
7.0	0.124	27.0	0.052	47.0	0.070	67.0	0.055	87.0	0.003
8.0	0.207	28.0	0.035	48.0	0.033	68.0	0.032	88.0	0.001
9.0	0.188	29.0	0.058	49.0	0.031	69.0	0.035	89.0	0.000
									90.0 0.000

This document contains proprietary and confidential information of Dielectric. It is to be used solely for the purpose for which it is provided. No disclosure, reproduction, or use of this document or any part of it may be made without the written permission of Dielectric.