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FIGURE 3
DIELECTRIC TFU-33ETT/VP-R O6
ELEVATION PATTERN FOR WCBB(DT)

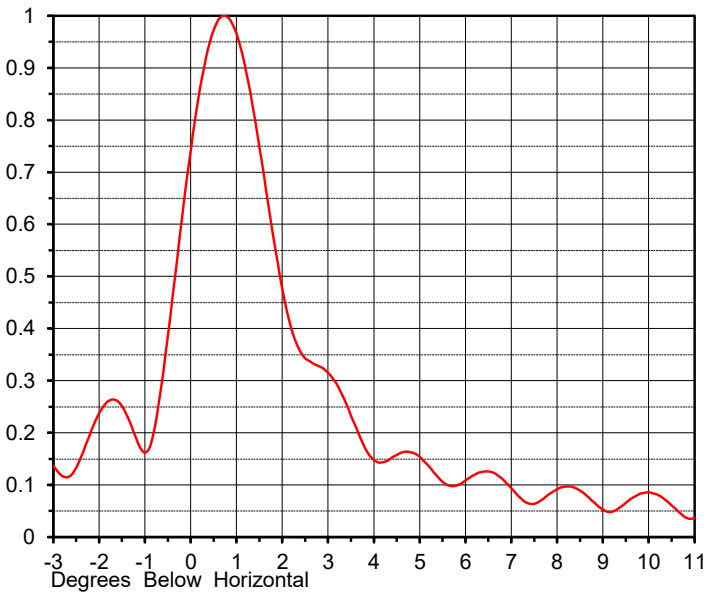
prepared September 2022 for
Maine Public Broadcasting
WCBB(DT) (Facility ID 39659)
Chan 20 1000 kW 304 m HAAT

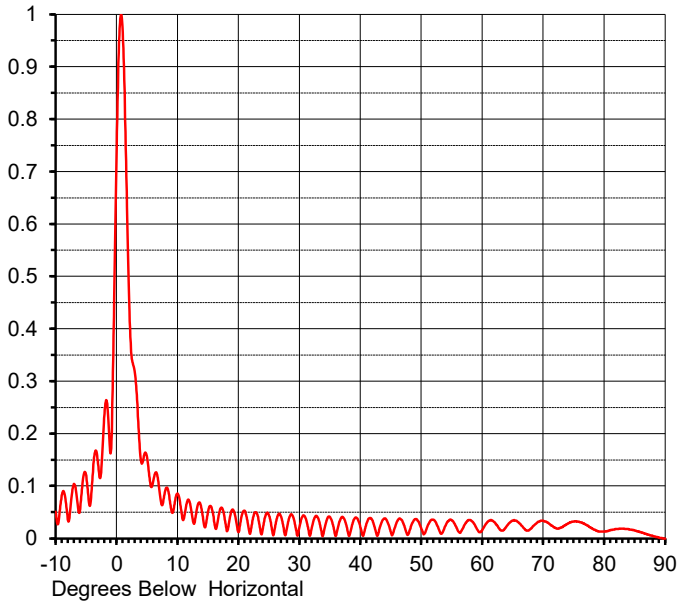
Cavell, Mertz & Associates, Inc.
Manassas, Virginia

ELEVATION PATTERN

Proposal No.	**C-71873-1**
Date	**31-Mar-22**
Call Letters	**WCBB**
Channel	**20**
Frequency	**509 MHz**
Antenna Type	**TFU-33ETT/VP-R O6**

RMS Directivity at Main Lobe	**30.0 (14.77 dB)**	Beam Tilt	**0.75 deg**
RMS Directivity at Horizontal	**16.6 (12.20 dB)**	Pattern Number	**33E300075**
	Calculated		





Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.051	10.0	0.086	30.0	0.022	50.0	0.019	70.0	0.034
-9.0	0.082	11.0	0.037	31.0	0.039	51.0	0.023	71.0	0.028
-8.0	0.036	12.0	0.069	32.0	0.019	52.0	0.036	72.0	0.020
-7.0	0.104	13.0	0.044	33.0	0.040	53.0	0.014	73.0	0.021
-6.0	0.056	14.0	0.052	34.0	0.012	54.0	0.025	74.0	0.028
-5.0	0.120	15.0	0.051	35.0	0.041	55.0	0.035	75.0	0.032
-4.0	0.111	16.0	0.033	36.0	0.005	56.0	0.015	76.0	0.031
-3.0	0.137	17.0	0.056	37.0	0.041	57.0	0.024	77.0	0.026
-2.0	0.238	18.0	0.019	38.0	0.010	58.0	0.035	78.0	0.019
-1.0	0.162	19.0	0.055	39.0	0.037	59.0	0.021	79.0	0.014
0.0	0.744	20.0	0.012	40.0	0.022	60.0	0.016	80.0	0.013
1.0	0.965	21.0	0.053	41.0	0.028	61.0	0.033	81.0	0.016
2.0	0.475	22.0	0.014	42.0	0.034	62.0	0.031	82.0	0.018
3.0	0.315	23.0	0.048	43.0	0.012	63.0	0.016	83.0	0.019
4.0	0.148	24.0	0.020	44.0	0.038	64.0	0.023	84.0	0.018
5.0	0.154	25.0	0.044	45.0	0.012	65.0	0.034	85.0	0.015
6.0	0.109	26.0	0.022	46.0	0.032	66.0	0.030	86.0	0.012
7.0	0.094	27.0	0.041	47.0	0.030	67.0	0.017	87.0	0.008
8.0	0.092	28.0	0.023	48.0	0.012	68.0	0.019	88.0	0.005
9.0	0.053	29.0	0.040	49.0	0.037	69.0	0.030	89.0	0.002
								90.0	0.000

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