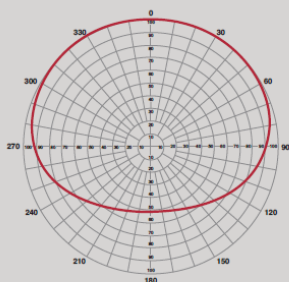


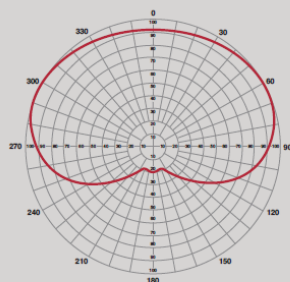
The THV antenna is designed for directional VHF applications in both top and side-mounted configurations. The THV utilizes the simplicity and reliability of pylon technology. This antenna combines high power handling, pattern diversity (elevation and azimuth), and Dielectric's conservative design approach to produce a superior product for single frequency operations. The THV azimuth pattern can be custom designed to fit a variety of applications, catering to facilities proposing maximization for DTV, those with protection requirements or those wishing to focus the energy towards the market of interest.

Specifications:

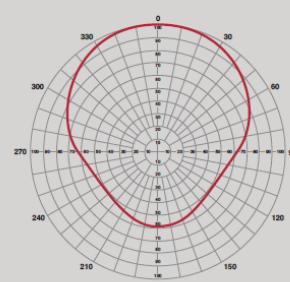
- Highband VHF directional antenna, channels 7 - 13
- Top or side mounting options
- Low windload/economical design
- Available with custom azimuth patterns
- Elevation gains from 6.0 (7.78dBd) to 12.0 (10.79dBd) typical
- Peak gains to 22.8 (13.58dBd)
- Full polycarbonate radome standard
- High input power handling
- Available with CPOL or EPOL



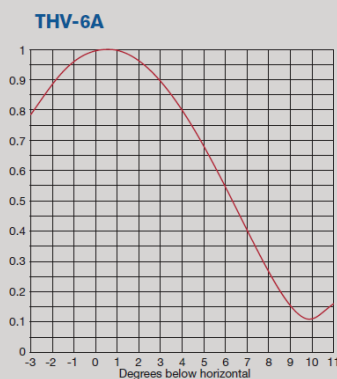
C140
Directivity=1.4



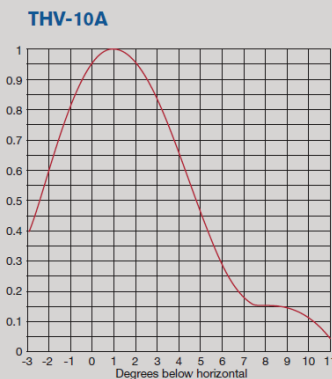
C170
Directivity=1.7



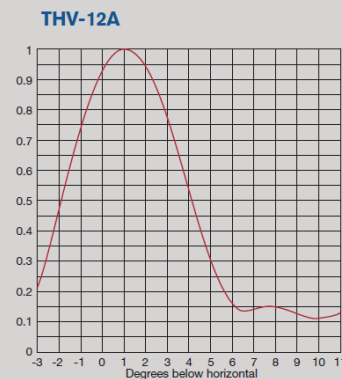
S190
Directivity=1.9



6.0 (7.78dB) RMS Gain



10.0 (10.00dB) RMS Gain



12.0 (10.79dB) RMS Gain

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THV Series

MECHANICAL SPECS TABLE:

		Overall Height	Height w/o lighting arester	COR		TIA/ EIA222-F		
	Channel	H4 (ft)	H2 (ft)	H3 (ft)	W (lbs)	CaAc (ft^2)	D1 (ft)	Limits
THV-6Ax-R	7	48	44	24.2	7900	55	23.9	120 psf or 135 mi/h bws
	8	46.6	42.6	23.4	7660	54	23.2	120 psf or 135 mi/h bws
	9	45.3	41.3	22.6	7440	52	22.5	120 psf or 135 mi/h bws
	10	44.1	40.1	21.9	7230	51	21.8	120 psf or 135 mi/h bws
	11	42.9	38.9	21.3	7030	49	21.2	120 psf or 135 mi/h bws
	12	41.9	37.9	20.7	6850	48	20.7	120 psf or 135 mi/h bws
	13	40.8	36.8	20.1	6670	47	20.1	120 psf or 135 mi/h bws
THV-10Ax-R	7	65.7	61.7	30.8	10870	82	31.8	50 psf or 90 mi/h bws
	8	63.8	59.8	29.9	10550	79	30.9	50 psf or 90 mi/h bws
	9	62	58	29	10240	77	30	50 psf or 90 mi/h bws
	10	60.3	56.3	28.1	9960	75	29.1	50 psf or 90 mi/h bws
	11	58.7	54.7	27.4	9690	73	28.3	50 psf or 90 mi/h bws
	12	57.2	53.2	26.6	9430	71	27.6	50 psf or 90 mi/h bws
	13	55.8	51.8	25.9	9190	69	26.9	50 psf or 90 mi/h bws
THV-12Ax-R	7	76.8	72.8	36.4	15400	108	37.3	50 psf or 90 mi/h bws
	8	74.5	70.5	35.3	14930	105	36.1	50 psf or 90 mi/h bws
	9	72.4	68.4	34.2	14490	102	35	50 psf or 90 mi/h bws
	10	70.4	66.4	33.2	14080	99	34	50 psf or 90 mi/h bws
	11	65.5	64.5	32.3	13690	96	33.1	50 psf or 90 mi/h bws
	12	66.7	62.7	31.4	13330	93	32.2	50 psf or 90 mi/h bws
	13	65.1	61.1	30.5	12280	91	31.4	50 psf or 90 mi/h bws

All specifications are subject to change.

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