



## TLS-V-BB SERIES

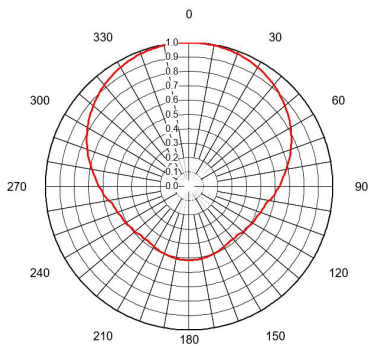
The TLSV-BB Series antenna is designed as a broadband, low-cost, low-windload alternative for the high-band VHF broadcaster.

### Key Features

- Broadband: Channels 7-13
- Economical alternative to panel antennas
- Low weight and 75% less windload than panels
- Input powers up to 22.5 kW avg.
- Includes standard mounting brackets
- Quick delivery
- Available in HPOL, CPOL and EPOL
- Designed for side-mounting on existing structures
- Stripline slot design
- Available in 2-, 4-, 8- and 12-bay configurations
- Cardioid and Omnioid Azimuth Pattern

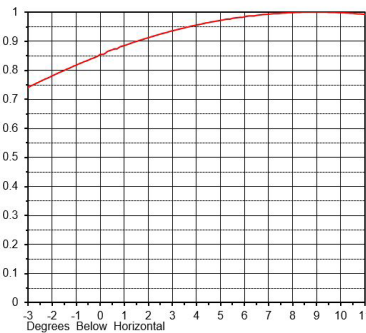
### Specifications

- Polarization: Horizontal or Elliptical
- Beam Tilt: 2 Degrees Standard
- Input Size: 1 5/8" EIA (per section)
- VSWR (Max 174-213 MHz): < 1.25:1
- Input Power: 7.5 kW avg. per section (3.5 kW avg. for TLS-V2)



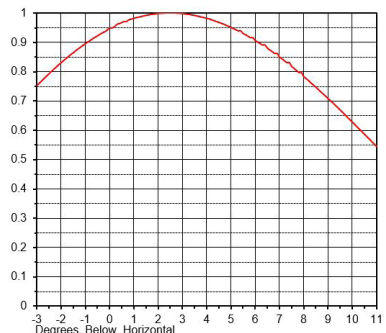
**TLS-V-B-BB**  
**AZ GAIN: 2.0**

### TLS-V2-BB

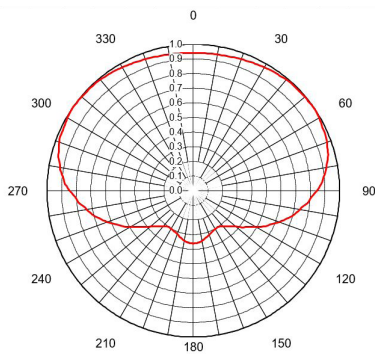


**RMS GAIN: 2.0 (2.94 dB)**

### TLS-V4-BB

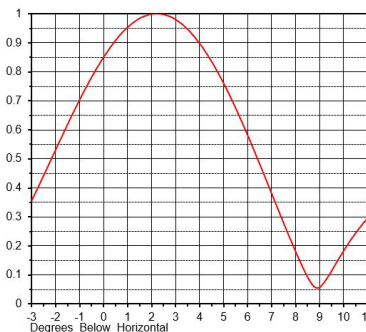


**RMS GAIN: 4.1 (6.10 dB)**



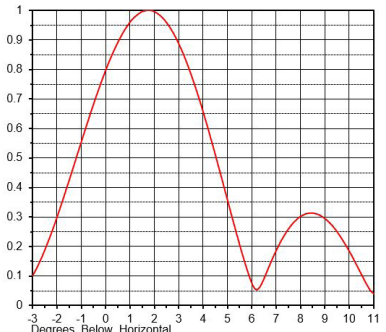
**TLS-V-M-BB**  
**AZ GAIN: 1.6**

### TLS-V8-BB



**RMS GAIN: 7.9 (8.98 dB)**

### TLS-V12-BB



**RMS GAIN: 10.7 (10.29 dB)**

**TLS-V-BB SERIES (CONTINUED)**

**TYPICAL MECHANICAL CHARACTERISTICS\***

**R** = Radomed  
**V** = with VPOL

**CaAc** = Force Coefficient Projected Area (4 foot lighting protector and beacon included)

	Channel	Height (ft)	CaAc (ft <sup>2</sup> )	Weight (lbs)
TLS-V4 slot cover	7	23.3	25.4	465
	8	22.6	24.6	450
	9	21.9	23.9	435
	10	21.3	23.2	420
	11	20.7	22.5	405
	12	20.1	21.9	390
	13	19.6	21.3	375
TLS-V4-R	7	23.3	33.6	560
	8	22.6	32.6	525
	9	21.9	31.6	505
	10	21.3	30.7	490
	11	20.7	29.8	465
	12	20.1	29.0	445
	13	19.6	28.2	425
TLS-V4-V	7	23.3	33.6	580
	8	22.6	32.6	545
	9	21.9	31.6	525
	10	21.3	30.7	510
	11	20.7	29.8	485
	12	20.1	29	465
	13	19.6	28.2	445

Note: Contact factory for application-specific mechanical details.