

# LOW VISUAL IMPACT – TRI SECTOR

## 3x BROADBAND 1710 – 2170 MHz

### BD3-900TV-AV

3 X 1710 - 2170		
1710-1880	1850-1990	1920-2170
H69° V5.1°	H67° V5°	H65° V4.8°
Variable Tilt 0° - 8°	Variable Tilt 0° - 8°	Variable Tilt 0° - 8°

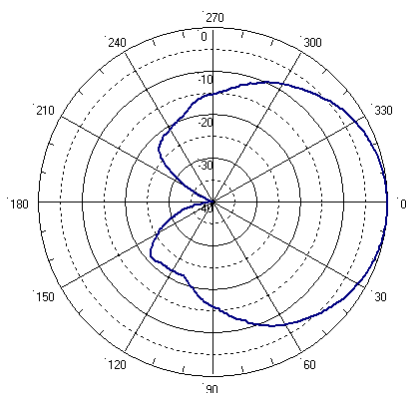
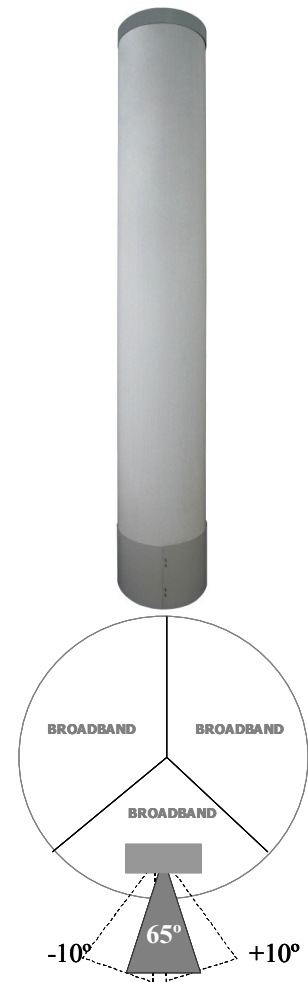
#### ELECTRICAL SPECIFICATIONS

3 X BROADBAND 1710 – 2170 MHz

Antenna Model	SBD3-900TV-AV					
Polarization	+/- 45°					
Frequency	<b>3 X (1710 – 2170)</b>					
	1710 - 1880		1850 - 1990		1920 - 2170	
Horizontal Beamwidth	69°		67°		65°	
Vertical Beamwidth	5.1°		5°		4.8°	
Gain (dBi)	<b>T0</b> 17.5	<b>T4</b> 18	<b>T8</b> 18	<b>T0</b> 17.5	<b>T4</b> 18	<b>T8</b> 18
Vertical Electrical Tilt	VARIABLE 0°-8°		VARIABLE 0°-8°		VARIABLE 0°-8°	
Azimuth Variable	-10° to +10°					
Upper Sidelobe Suppression for the 1 <sup>st</sup> lobe above main beam (dB)	<b>T0</b> 19	<b>T4</b> 19	<b>T8</b> 16	<b>T0</b> 19	<b>T4</b> 19	<b>T8</b> 16
Front-to-Back Ratio @ 180° ± 20° (dB)	> 30		> 30		> 30	
VSWR	< 1.5 : 1		< 1.5 : 1		< 1.5 : 1	
Cross Polar Ratio @ ± 60° (dB)	> 10		> 10		> 8	
Isolation between Ports (dB)	> 30		> 30		> 30	
Interband Isolation (dB)	> 30 (1710-2170//1710-2170)					
Maximum Power Per Input (W)	250					
Intermodulation (dBc)	< - 150					
Impedance (Ω)	50					

#### MECHANICAL SPECIFICATIONS

Connectors	6 X 7/16 Female	
Connector Position	Bottom	
Survival Wind Speed km/h (mph)	200 (125)	
Windload N @ 160 km/h (lbs @100 mph)	460 (104)	
Radome Color	Grey, paintable	
Humidity	100%	
Antenna Weight kg (lbs)	45 (100)	
Antenna Dimension mm (in) H X Diam	Antenna Size: 1850 X 250 (73 X 10) Service Module: 295 x 250 (11 X 10)	



H&V Pattern

