

# LOW VISUAL IMPACT – TRI SECTOR

## 3x (BAND 900 + 2x BROADBAND 1710 – 2170 MHz)

### SBTT-800TV-AV

3 X (Band 900 + 2 X Broadband 1710 - 2170)			
870 - 960	2 X 1710 - 2170		
870 - 960	1710-1880	1850-1990	1920-2170
H65° V7.5°	H65° V6.8°	H63° V6.6°	H60° V6.3°
Variable Tilt 2° - 10°	Variable Tilt 2° - 10°	Variable Tilt 2° - 10°	Variable Tilt 2° - 10°

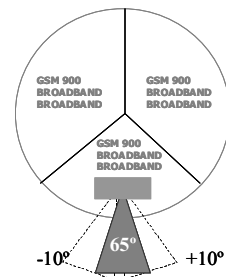
#### ELECTRICAL SPECIFICATIONS

3 X BAND 900

3 X (2 X BROADBAND 1710 – 2170 MHz)

Antenna Model	SBTT-800TV-AV											
Polarization	± 45°											
Frequency	3 X (870 – 960)			3 X (2 X 1710 – 2170)								
	870 - 960			1710 - 1880			1850 - 1990			1920 - 2170		
Horizontal Beamwidth	65°			65°			63°			60°		
Vertical Beamwidth	7.5°			6.8°			6.6°			6.3°		
Gain (dBi)	<b>T2</b> 16.5	<b>T6</b> 16	<b>T10</b> 16	<b>T2</b> 17.5	<b>T6</b> 17.5	<b>T10</b> 17	<b>T2</b> 17.5	<b>T6</b> 17.5	<b>T10</b> 17	<b>T2</b> 18	<b>T6</b> 18	<b>T10</b> 17.5
Vertical Electrical Tilt	VARIABLE 2°-10°			VARIABLE 2°-10°			VARIABLE 2°-10°			VARIABLE 2°-10°		
Variable Azimuth*	-10° to +10°											
Upper Sidelobe Suppression for the 1 <sup>st</sup> lobe above main beam (dB)	<b>T2</b> 19	<b>T6</b> 17	<b>T10</b> 15	<b>T2</b> 18	<b>T6</b> 17	<b>T10</b> 15	<b>T2</b> 19	<b>T6</b> 17	<b>T10</b> 15	<b>T2</b> 19	<b>T6</b> 17	<b>T10</b> 15
Front-to-Back Ratio @ 180° ± 20° (dB)	> 30			> 30			> 30			> 30		
VSWR	< 1.5 : 1			< 1.5 : 1			< 1.5 : 1			< 1.5 : 1		
Cross Polar Ratio @ ± 60° (dB) <i>Typically</i>	> 7			> 7			> 7			> 5		
Isolation between Ports (dB)	> 25			> 27			> 27			> 30		
Interband Isolation (dB)	> 40 (870-960//1710-2170) > 30 (1710-2170//1710-2170)											
Maximum Power Per Input (W)	500			250								
Intermodulation (dBc)	< - 150											
Impedance (Ω)	50											

Tri-Sector  
configuration with  
Variable Azimuth



#### MECHANICAL SPECIFICATIONS

Connectors	18 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed km/h (mph)	200 (125)
Windload N @ 160 km/h (lbs @100 mph)	1000 (225)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	125 (275)
Antenna Dimension mm (in) H X Diam	Antenna Size: 2700 X 505 (106 X 20 ) Service Module: 295 x 510 (12 X 20)

\* Fixed Azimuth optional

