

LOW VISUAL IMPACT – TRI SECTOR

3x HIGH BAND SIDE BY SIDE – 3x (2x 1710 – 2170 MHz)

BBG-800TV-AV

3 X (2 X 1710 - 2170)		
1710-1880	1850-1990	1920-2170
H70° V6.3°	H69° V6.2°	H69° V6°
Variable Tilt 0° - 10°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°

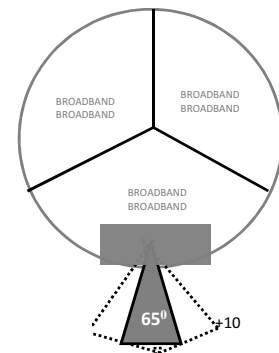
ELECTRICAL SPECIFICATIONS

3 X (2 X BROADBAND 1710 – 2170 MHz)

Antenna Model	SBBG-800TV-AV								
Polarization	± 45°								
Frequency	3 X (2 X 1710 – 2170)								
	1710 - 1880			1850 - 1990			1920 - 2170		
Horizontal Beamwidth	70°			69°			69°		
Vertical Beamwidth	6.3°			6.2°			6°		
Gain (dBi)	T0	T5	T10	T0	T5	T10	T0	T5	T10
	17	17.5	17	17	17.5	17	17.5	18	17
Vertical Electrical Tilt	VARIABLE 0°-10°			VARIABLE 0°-10°			VARIABLE 0°-10°		
Azimuth variable	-10° to +10°								
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	T0	T5	T10	T0	T5	T10	T0	T5	T10
	20	17	16	20	19	17	20	19	17
Front-to-Back Ratio @ 180° ± 20° (dB)	> 30			> 30			> 30		
VSWR	< 1.4 : 1			< 1.4 : 1			< 1.4 : 1		
Cross Polar Ratio @ ± 60° (dB)	> 10			> 10			> 10		
Isolation between Ports (dB)	> 30			> 30			> 30		
Interband Isolation (dB)	> 33 (1710-2170//1710-2170)								
Maximum Power Per Input (W)	250								
Intermodulation (dBc)	< -150								
Impedance (Ω)	50								

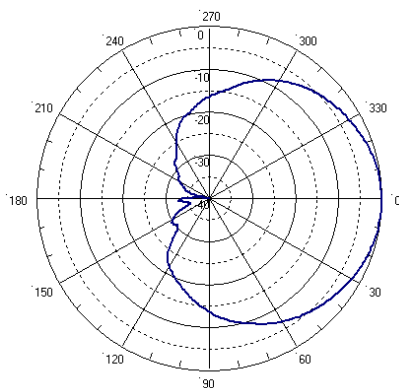


Tri-Sector configuration



MECHANICAL SPECIFICATIONS

Connectors	12 X 7/16 Female	
Connector Position	Bottom	
Survival Wind Speed	km/h (mph)	200 (125)
Windload	490 (110)	
N @ 160 km/h	(lbs @100 mph)	
Radome Color	Grey, paintable	
Humidity	100%	
Antenna Weight	kg (lbs)	65 (143)
Antenna Dimension	Antenna Size: 1850 X 350 (73 X 14)	
mm (in) H X W X D	Service Module: 400 X 360 (16 X 14)	



H&V Pattern

