

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° |

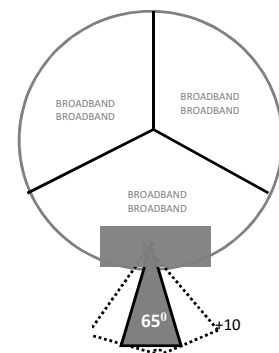
ELECTRICAL SPECIFICATIONS

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 | | | | | | | | |

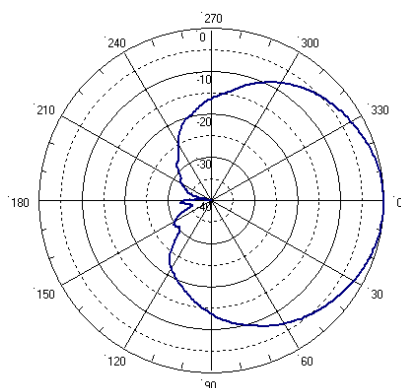


Tri-Sector configuration



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

