

HIGH BAND SIDE BY SIDE PANEL ANTENNA

2x BROADBAND 1710 - 2170 MHz

BGRD3A-800TV

2 X 1710 - 2170		
1710-1880	1850-1990	1920-2170
H63° V6.5°	H63° V6.5°	H62° V6.3°
Variable Tilt 0° - 10°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°

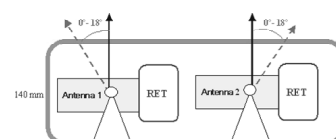
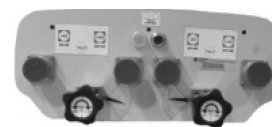
ELECTRICAL SPECIFICATIONS

2 X BROADBAND 1710-2170 MHz

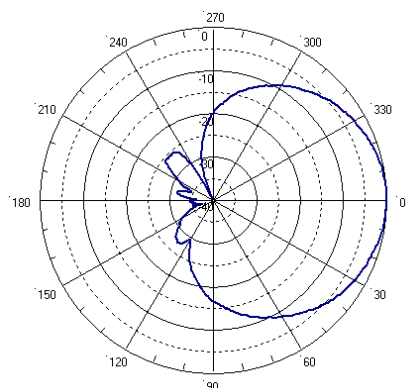
Antenna Model	BGRD3A-800TV		
Polarization	± 45°		
Frequency	2 X (1710 – 2170)		
	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	63°	63°	62°
Vertical Beamwidth	6.5°	6.5°	6.3°
Gain (dBi)	17.7	17.7	18
Vertical Electrical Tilt	VARIABLE 0°-10°	VARIABLE 0°-10°	VARIABLE 0°-10°
Variable Azimuth	0°-18° (Integrated RET)		
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	17	17	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) <i>Typically</i>	> 10	> 10	> 10
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	4 X 7/16 Female		
Connector Position	Bottom		
Survival Wind Speed km/h (mph)	200 (125)		
Front Windload N @ 160 km/h (lbs @ 100 mph)	730 (165)		
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	160 (40)		
Radome Color	Grey, paintable		
Humidity	100%		
Antenna Weight kg (lbs)	22 (48)		
Antenna Dimension mm (in) H X W X D	1440 X 350 X 145 (57 X 14 X 6)		



Disposition of the variable azimuth and the integrated RET



H&V Pattern

