

HIGH BAND SIDE BY SIDE PANEL ANTENNA

2x BROADBAND 1710 - 2170 MHz

BGD3-800TV

2 X 1710 - 2170		
1710-1880	1850-1990	1920-2170
H66° V6.5°	H64° V6.5°	H62° V6°
Variable Tilt 0° - 10°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°

ELECTRICAL SPECIFICATIONS

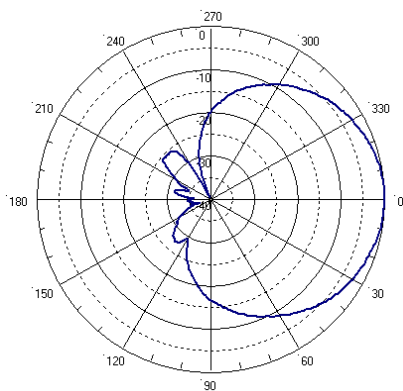
2 X BROADBAND 1710-2170 MHz

Antenna Model	BGD3-800TV		
Polarization	± 45°		
Frequency	2 X (1710 – 2170)		
	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	66°	64°	62°
Vertical Beamwidth	6.5°	6.5°	6°
Gain (dBi)	17.7	18.1	18.2
Vertical Electrical Tilt	VARIABLE 0°-10°	VARIABLE 0°-10°	VARIABLE 0°-10°
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		

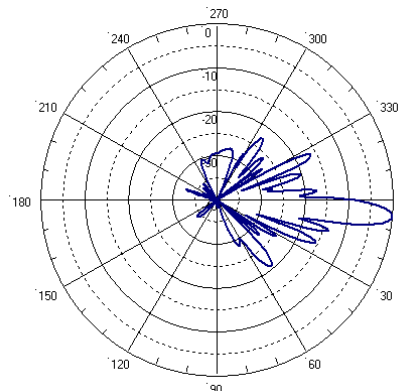


MECHANICAL SPECIFICATIONS

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)	620 (140)
Lateral Windload		
N @ 160 km/h	(lbs @ 100 mph)	120 (30)
Radome Color	Grey, paintable	
Humidity	100%	
Antenna Weight	kg (lbs)	16 (35)
Antenna Dimension	mm (in) H X W X D	
	1340 X 300 X 90 (53 X 11 X 4)	



H&V Pattern



This antenna is available with variable electrical tilt 4°-14°