

MULTI BAND PANEL ANTENNA (QUAD)

4x BROADBAND 1710 – 2170 MHz

BG4D3-800TV

4 X 1710 - 2170		
1710-1880	1850-1990	1920-2170
H65° V6.8°	H63° V6.6°	H61° V6.2°
Variable Tilt 0° - 10°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°

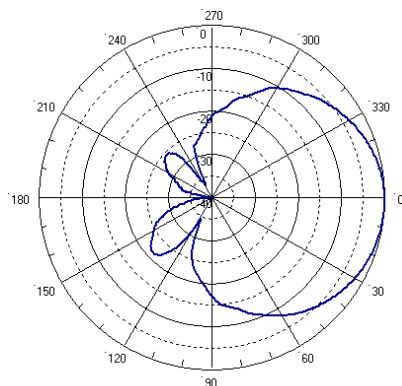
ELECTRICAL SPECIFICATIONS

4 X BROADBAND 1710 – 2170 MHz

Antenna Model	BG4D3-800TV								
Polarization	± 45°								
Frequency	1710-1880			1850-1990			1920-2170		
Horizontal Beamwidth	65°			63°			61°		
Vertical Beamwidth	6.8°			6.6°			6.2°		
Gain (dBi)	T0	T5	T10	T0	T5	T10	T0	T5	T10
Bottom antennas	17	17.5	17.5	17	17.5	17.5	17	17.5	17
Top Antennas	16.5	17	17	16.5	17	17	17	17	16.5
Vertical Electrical Tilt	VARIABLE 0°-10°			VARIABLE 0°-10°			VARIABLE 0°-10°		
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	T0	T5	T10	T0	T5	T10	T0	T5	T10
	17	15.5	17	19	17.5	15	19	16	14
Front-to-Back Ratio @ 180° ± 20° (dB)	25			25			22		
VSWR	< 1.4 : 1			< 1.4 : 1			< 1.4 : 1		
Cross Polar Ratio @ -3° (dB) <i>Typically</i>	>14			>11			>10		
Isolation between Ports (dB)	>30								
Interband Isolation (dB)	> 31 (1710 – 2170 // 1710 – 2170)								
Maximum Power Per Input (W)	250								
Intermodulation @ 43 dBm (dBc)	- 150								
Impedance (Ω)	50								

MECHANICAL SPECIFICATIONS

Connectors	8 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed km/h (mph)	200 (125)
Front Windload N @ 160 km/h (lbs @100 mph)	1250 (280)
Lateral Windload N @ 160 km/h (lbs @100 mph)	260 (60)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	29 (64)
Antenna Dimension mm (in) H X W X D	2660 X 300 X 90 (104 X 11 X 4)



H&V Pattern

