

# SINGLE BAND PANEL ANTENNA BROADBAND 1710 – 2170 MHz



## MGD2-1000TV

1710 - 2170		
1710-1880	1850-1990	1920-2170
H47° V4.8°	H44° V4.5°	H41° V4.3°
Variable Tilt 0° - 10°	Variable Tilt 0° - 10°	Variable Tilt 0° - 10°

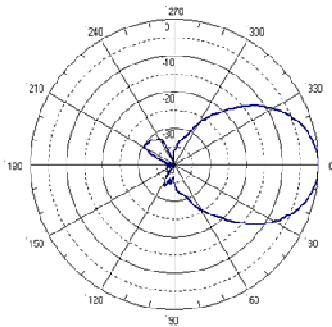
### ELECTRICAL SPECIFICATIONS

### BROADBAND 1710-2170 MHz

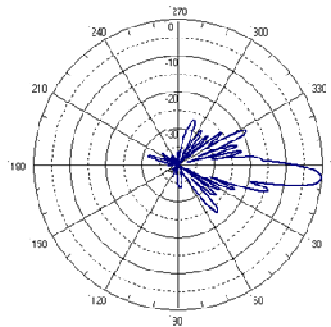
Antenna Model	MGD2-1000TV		
Polarization	± 45°		
Frequency	<b>1710-2170</b>		
	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	47°	44°	41°
Vertical Beamwidth	4.8°	4.5°	4.3°
Gain (dBi)	20.4	20.5	21.6
Vertical Electrical Tilt	VARIABLE 0°-10°	VARIABLE 0°-10°	VARIABLE 0°-10°
Upper Sidelobe Suppression for the 1 <sup>st</sup> lobe above main beam (dB)	17	17	17
Front-to-Back Ratio @ 180° ± 20° (dB)	> 30	> 30	> 30
VSWR	< 1.5 : 1	< 1.5 : 1	< 1.5 : 1
Cross Polar Ratio @ ± 60° (dB)	> 10	> 10	> 10
Isolation between Ports (dB)	> 30	> 30	> 30
Maximum Power Per Input (W)	250		
Intermodulation (dBc)	< - 150		
Impedance (Ω)	50		

### MECHANICAL SPECIFICATIONS

Connectors	2 X 7/16 Female	
Connector Position	Bottom	
Survival Wind Speed	km/h (mph)	200 (125)
Front Windload	(lbs @ 100 mph)	1200 (270)
Lateral Windload	(lbs @ 100 mph)	280 (63)
Radome Color	Grey, paintable	
Humidity	100%	
Antenna Weight	kg (lbs)	13 (28)
Antenna Dimension	mm (in) H X W X D	
	2170 X 300 X 90 (86 X 11 X 4)	



Azimuth



Elevation