

MULTI BAND PANEL ANTENNA (DUAL) BAND 900 + BROADBAND 1710 – 2170 MHz

TGD3-600TV

870 - 960	1710 - 2170		
870 - 960	1710-1880	1850 - 1990	1920-2170
H61° V11°	H67° V7°	H64° V6.5°	H60° V6.2°
Variable Tilt 0° - 10°	Variable Tilt 2° - 10°	Variable Tilt 2° - 10°	Variable Tilt 2° - 10°

ELECTRICAL SPECIFICATIONS

BAND 900

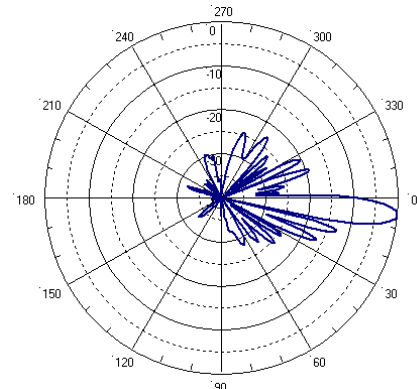
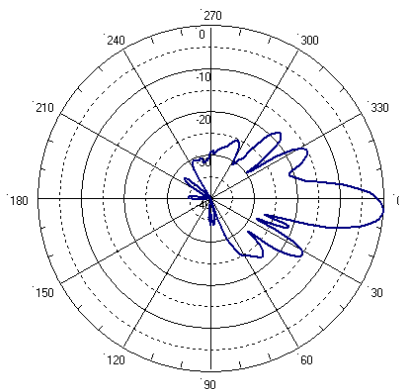
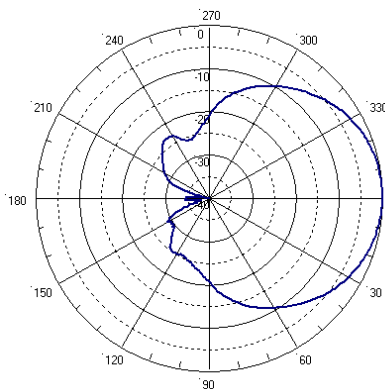
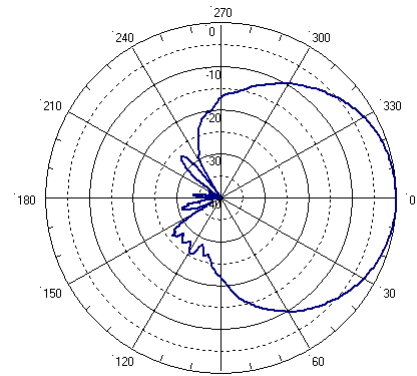
BROADBAND 1710-2170 MHz

Antenna Model	TGD3-600TV			
Polarization	± 45°			
Frequency	870 - 960	1710 - 2170		
	870 - 960	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	61°	67°	64°	60°
Vertical Beamwidth	11°	7°	6.5°	6.2°
Gain (dBi)	15.5	17.2	17.3	17.5
Vertical Electrical Tilt	VARIABLE 0°-10°	VARIABLE 2°-10°	VARIABLE 2°-10°	VARIABLE 2°-10°
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	T0 T5 T10 14 16 15	T2 T5 T10 18 18 15	T2 T5 T10 20 18 18	T2 T5 T10 18 18 15
Front-to-Back Ratio @ 180° ± 20° (dB)	> 25	> 25	> 25	> 25
VSWR	< 1.5 : 1	< 1.5 : 1	< 1.5 : 1	< 1.5 : 1
Cross Polar Ratio @ - 3dB Beamwidth Typically (dB)	> 15	> 15	> 15	> 15
Isolation between Ports (dB)	> 30	> 30	> 30	> 30
Interband Isolation (dB)	> 40 (870-960//1710-2170)			
Maximum Power Per Input (W)	500	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)	1050 (236)
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	240 (54)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	30 (66)
Antenna Dimension mm (in) H X W X D	2000 X 350 X 145 (78 X 14 X 6)



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