

MULTI BAND PANEL ANTENNA (TRIPLE)

BAND 900 + 2x BROADBAND 1710 – 2170 MHz

TTD3-800TV

870 - 960	2 X 1710 - 2170		
870 - 960	1710-1880	1850-1990	1920-2170
H60° V7.5°	H67° V6.8°	H64° V6.6°	H61° V6.3°
Variable Tilt 2° - 10°	Variable Tilt 2° - 10°	Variable Tilt 2° - 10°	Variable Tilt 2° - 10°

ELECTRICAL SPECIFICATIONS

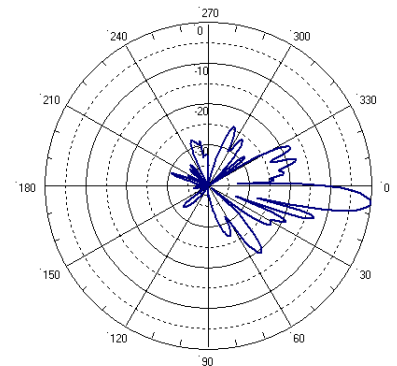
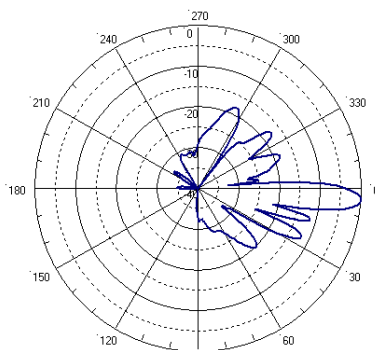
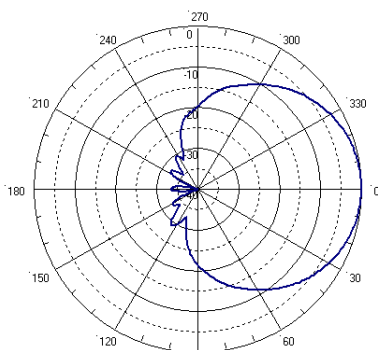
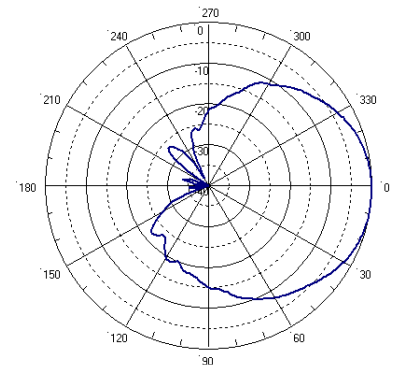
BAND 900
2 X BROADBAND 1710-2170 MHz

Antenna Model	TTD3-800TV			
Polarization	± 45°			
Frequency	870 - 960	2 X (1710 – 2170)		
	870 - 960	1710-1880	1850-1990	1920-2170
Horizontal Beamwidth	60°	67°	64°	61°
Vertical Beamwidth	7.5°	6.8°	6.6°	6.3°
Gain (dBi)	16.6	17.1	17	17.1
Vertical Electrical Tilt	VARIABLE 2°-10°	VARIABLE 2°-10°	VARIABLE 2°-10°	VARIABLE 2°-10°
Upper Sidelobe Suppression for the 1 st lobe above main beam (dB)	T2 T6 T10 20 20 17	T2 T6 T10 19 19 15	T2 T6 T10 20 20 17	T2 T6 T10 20 17 17
Front-to-Back Ratio @ 180° ± 20° (dB)	> 25	> 22	> 22	> 22
VSWR	< 1.5 : 1	< 1.5 : 1	< 1.5 : 1	< 1.5 : 1
Cross Polar Ratio @ -3° (dB) <i>Typically</i>	> 16	> 15	> 15	> 15
Isolation between Ports (dB)	> 30	> 30	> 30	> 30
Interband Isolation (dB)	> 40 (870-960//1710-2170) > 30 (1710-2170//1710-2170)			
Maximum Power Per Input (W)	500	250		
Intermodulation (dBc)	< - 150			
Impedance (Ω)	50			



MECHANICAL SPECIFICATIONS

Connectors	6 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed km/h (mph)	200 (125)
Front Windload N @ 160 km/h (lbs @ 100 mph)	1400 (315)
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	330 (74)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	37 (82)
Antenna Dimension mm (in) H X W X D	2615 x 350 x 145 (103 X 14 X 6)



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