

# MULTI BAND PANEL ANTENNA (PENTA) BAND (700 + 800) + 4x ULTRA BROADBAND (1710 – 2690)



## SU4D3-800TV

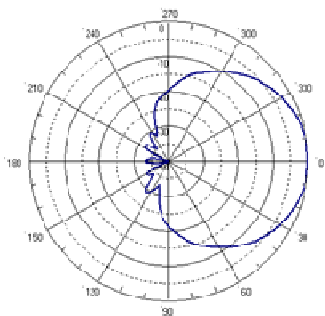
698-896	4 x (1710 – 2690)
H69° V7.6°	H67° V7.2°
Variable Tilt 2° - 10°	Variable Tilt 2° - 10°

### ELECTRICAL SPECIFICATIONS

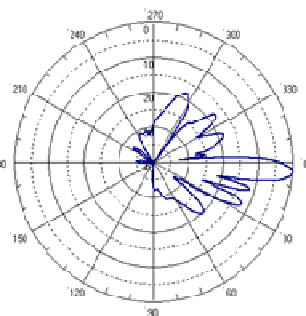
Antenna Model	SU4D3-800TV	
Polarization	± 45°	
Frequency	<b>698 - 896</b>	<b>4 x (1710-2690)</b>
Horizontal Beamwidth	69°	67°
Vertical Beamwidth	7.6°	7.2°
Gain (dBi)	16.5	16.7 BOTTOM / 16.1 TOP
Vertical Electrical Tilt	VARIABLE 2°-10°	VARIABLE 2°-10°
Upper Sidelobe Suppression for the 1 <sup>st</sup> lobe above main beam (dB)	15	15
Front-to-Back Ratio @ 180° ± 20° (dB)	> 25	> 20
VSWR	< 1.5 : 1	< 1.5: 1
Cross Polar Ratio @ -3°dB Beamwidth <i>Typically</i>	>15	>15
Isolation between Ports (dB)	> 27	> 27
Interband Isolation (dB)	> 35 (698-896 // 1710-2690) > 30 (1710-2690 // 1710-2690)	
Maximum Power Per Input (W)	> 500	> 200
Intermodulation (dBc)	< - 150	
Impedance (Ω)	50	

### MECHANICAL SPECIFICATIONS

Connectors	10 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed km/h (mph)	200 (125)
Front Windload N @ 160 km/h (lbs @ 100 mph)	1300 (300)
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	300 (70)
Radome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lb)	37 (82)
Antenna Dimension mm (in) H X W X D	2700 X 350 X 150 (106 x 14 x 6)

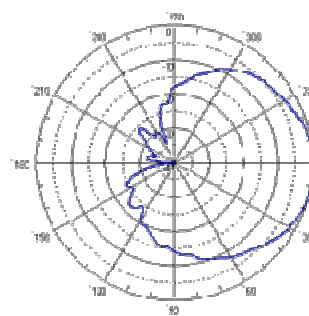


Azimuth



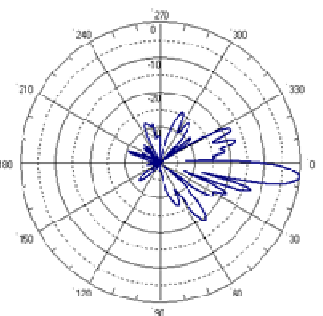
Low Band

Elevation



Azimuth

Broad Band



Elevation