

# MULTI BAND PANEL ANTENNA

## 1x 790-960 MHz + 3x 1710-2690 MHz

### LU3D3-800TV

#### ELECTRICAL SPECIFICATIONS

1 X (790-960)MHz	3 X (1710-2690)MHz
H65° V7.7°	H67° V7.2°
Variable Tilt 2°-10°	Variable Tilt 2°-10°

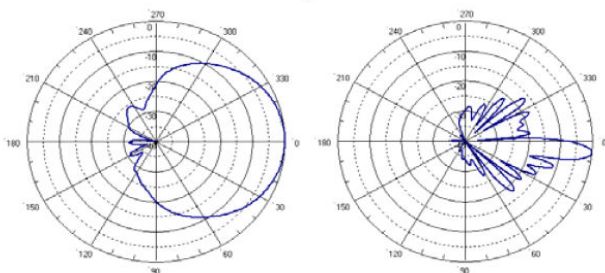
Antenna Model	LU3D3-800TV		
Polarization	± 45°		
Frequency (MHz)	1x 790-960	3 x 1710-2690	
	790-960	1710-2170	2300-2690
Horizontal Beamwidth °	65	69	63
Vertical Beamwidth °	7.7	8.0	6.3
Gain (dBi)	Top	16.2	16.9
	Bottom	16.7	16.3
Vertical Electrical Tilt	VARIABLE 2°-10°	VARIABLE 2°-10°	
Upper Side Lobe Suppression for first lobe above main beam (dB)	15	15	15
Front-to-Back Ratio /Cpol @180 ° ± 20° (dB)	>25	>20	>22
Cross Polar Ratio @-3dB Beamwidth (dB) Typically	>16	>10	>10
VSWR	< 1.5 : 1	< 1.5 : 1	
Isolation Between Ports	>27	>27	
Interband Isolation (dB)		>30	
Maximum Power Per Input (W)	500	250	
Intermodulation (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)	1270 (285)
Lateral Windload N @ 160 km/h (lbs @ 100 mph)	300 (67)
adome Color	Grey, paintable
Humidity	100%
Antenna Weight kg (lbs)	44 (97)
Antenna Dimension HxWxD mm/in	2700 x 350 x 150 (106 x 14 x 6)



H&V Pattern/ Low band



H&V Pattern/ High bands

