

# MULTI BAND PANEL ANTENNA

## BAND (700 + 800) + 2x ULTRA BROADBAND (1710 – 2690)

### SU2D3-800TV

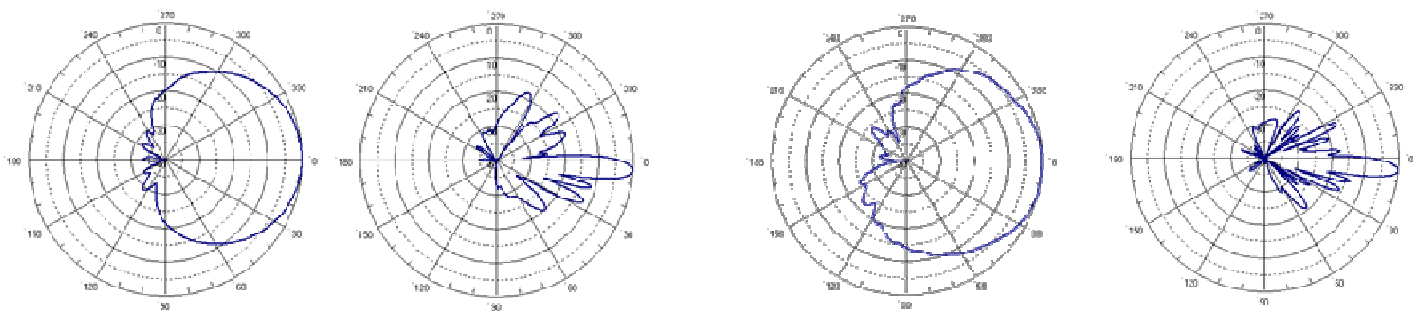
|                           |                           |
|---------------------------|---------------------------|
| 698-896                   | 2 x (1710 – 2690)         |
| H69° V7.6°                | H67° V7°                  |
| Variable Tilt<br>2° - 10° | Variable Tilt<br>2° - 10° |

#### ELECTRICAL SPECIFICATIONS

| Antenna Model  | SU2D3-800TV  |                        |
|--|--|------------------------|
| Polarization   | ± 45°  |                        |
| Frequency  | <b>698 - 896</b>   | <b>2 x (1710-2690)</b> |
| Horizontal Beamwidth   | 69°  | 67°                    |
| Vertical Beamwidth   | 7.6°   | 7°                     |
| Gain (dBi)   | 16.5   | 16.7                   |
| Vertical Electrical Tilt   | VARIABLE 2°-10°  | VARIABLE 2°-10°        |
| Upper Sidelobe Suppression for the 1 <sup>st</sup> lobe above main beam (dB) | 14   | 14                     |
| Front-to-Back Ratio @ 180° ± 20° (dB)  | > 25   | > 20                   |
| VSWR   | < 1.5 : 1  | < 1.5: 1               |
| Cross Polar Ratio @ -3°dB Beamwidth Typically                                | >12  | >12                    |
| Isolation between Ports (dB)   | > 27   | > 27                   |
| Interband Isolation (dB)   | > 35 (698-896 // 1710-2690)<br>> 30 (1710-2690 // 1710-2690) |                        |
| Maximum Power Per Input (W)  | > 500  | > 200                  |
| 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)   | 1300 (300)                         |
| Lateral Windload N @ 160 km/h (lbs @ 100 mph) | 300 (70)                           |
| Radome Color                                  | Grey, paintable                    |
| Humidity                                      | 100%                               |
| Antenna Weight kg (lb)                        | 40 (88)                            |
| Antenna Dimension mm (in) H X W X D           | 2700 X 350 X 150<br>(106 x 14 x 6) |



Azimuth Low Band Elevation

Azimuth Broad Band Elevation