

# Product Specification Sheet

## High Broadband Antenna

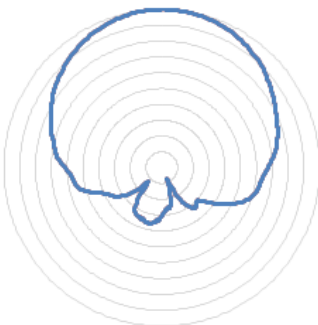
**SUNTEL****Model : STSH6514.5VU****Xpol, 1710-2170MHz, 14.5 dBi, 65° deg, VET 2°-12°**

### Electrical Specifications

Frequency range (MHz)	1710 - 1880	1850-1990	1920-2170
Polarization	± 45°		
Gain (dBi)(Avg.)	14	14.5	15
Horizontal Half-power beam width	67°	63°	60°
Front-to-back ratio (dB)			
Cross polar ratio			
Main direction	0°	>15 dB	
Sector	± 60°	>10 dB	
Vertical Half-power beam width ( Avg. )	14°	13°	12°
Electrical tilt	2° -12°		
Upper sidelobe suppression above main beam (dB) : 10°-60° degree (upper)	At E.Tilt 0 / 5 / 10 / 15 < -18 /-18 /-17 /-17		
Impedance(Ω)	50		
VSWR	< 1.5		
Isolation, between ports: Intrasystem (dB)	> 30		
Intermodulation IM3 ( 2x43 dBm carrier )(dBc)	≤ - 150		
Max power per input (W)	200		

### Mechanical Specifications

Input	2 x 7/16 DIN Female
Connector position	Bottom
Wind load, frontal / lateral / rear side 42 m/s Cd=1.6 (N)	195/70/220
Mounting brackets	Per-mounted form factory
Weight (Without brackets) (kg)	4.5
Weight (With brackets) (kg)	7.5
Dimension (H x W x D) (mm)	690 x 174 x 110
Radome Material	UPVC
Radome Color	Light Grey
Operating Temperature (°C)	-40 to +60
Lightning protection	DC grounded
RET	Optional ( AISG 1.1, AISG 2.0 )

**Antenna Patterns: Supplied details separately****Horizontal Pattern****Vertical Pattern**