

Product Specification Sheet

High Broadband Antenna

SUNTEL**Model : STSH3318F15**

Xpol, 1710-2170MHz, 33° 14.5 dBi, FET 15°

Electrical Specifications

	Port 1-2		
Frequency range (MHz)	1710 – 1880	1850-1990	1920-2170
Polarization	± 45°		
Gain (dBi) (Avg.)	17.5	17.7	18
Horizontal Half-power beam width	35°	34°	33°
Front-to-back ratio (dB)	≥ 30		
Vertical Half-power beam width (Avg.)	18°	16°	15°
tilt	15°		
Impedance(Ω)	50		
VSWR	< 1.5		
Isolation, between ports: Intrasystem (dB)	> 30		
Intermodulation IM3 (2x43 dBm carrier)(dBc)	≤ -150		
Max power per input (W)	150		

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)	20/70/230
Mounting brackets	Pre-mounted from factory
Weight (Without brackets) (kg)	3.5
Weight (With brackets) (kg)	5.5
Dimension (H x W x D)(mm)	545 x 280 x 95
Radome Material	GRP
Radome Color	Light Grey
Operating Temperature (°C)	-40 to +60
Lightning protection	DC grounded

Antenna Patterns: Supplied details separately