

# Product Specification Sheet

## Single High Broadband Antenna



**Model : STSH459.5F0C**  
**Xpol, 1710-2170MHz, 45°, 9.5 dBi, FETO**

### Electrical Specifications

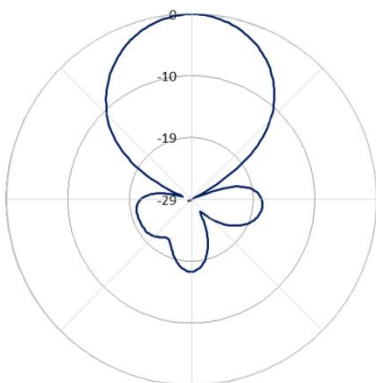
Frequency range (MHz)	1710-1880	1920-2170
Polarization	± 45°	
Gain (dBi)(Avg.)	9	9.5
Horizontal Half-power beam width	50	45
Front-to-back ratio (dB)	≥ 25	
Cross polar ratio	Typically:	
Main direction	0°	
Sector	± 60°	
Vertical Half-power beam width ( Avg. )	50	45
Electrical tilt	0°	
Impedance	50 Ω	
VSWR	< 1.5	
Isolation, between ports: Intrasystem (dB)	27	
Intermodulation IM3 ( 2x43 dBm carrier )(dBC)	< -150	
Max power per input (W)	150	

### Mechanical Specifications

Input	2 x 4.3-10(Female)
Connector position	Bottom
Wind load, frontal / lateral / rear side 42 m/s Cd=1.6 (N)	22/12/27 (Approx.)
Mounting brackets	Pre-mounted from factory
Weight (Without brackets) (kg)	0.7 Kg
Weight (With brackets) (kg)	1.0 Kg
Dimension (H x W x D) (mm)	145x145x67
Radome Material	GRP
Radome Color	Light Grey
Operating Temperature (°C)	-40 to +60
Lightning protection	DC grounded

**Antenna Patterns: Supplied details separately**

**Horizontal Pattern**



**Vertical Pattern**

