

Product Specification Sheet

High Broadband Antenna



Model : ST-HBB-65-15-FET8

Xpol, 1710-2170 MHz, 65°deg, 15dBi, FET8, USLS 18

Electrical Specifications

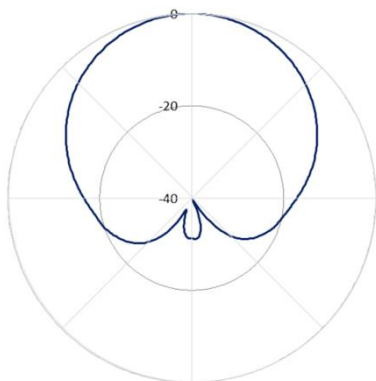
Frequency range (MHz)	1710 -1880	1850 - 1990	1920 - 2170
Polarization	± 45°		
Gain (dBi)(Avg.)	14.5°	15°	15.5°
Horizontal Half-power beam width	65°	62°	60°
Front-to-back ratio (dB)	≥ 30		
Cross polar ratio	Typically:		
Main direction 0°	> 20		
Sector ± 60°	> 12		
Vertical Half-power beam width (Avg.)	18°	16°	15°
Electrical tilt	8°		
Upper sidelobe suppression above main beam (dB) : 10°-60° degree (upper)	< -18		
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)	140 / 50 / 180
Mounting brackets	Pre-mounted from factory
Weight (Without brackets) (kg)	1.5
Weight (With brackets) (kg)	2.5
Dimension (H x W x D) (mm)	530 x 130 x 57
Radome Material	UPVC
Radome Color	Light Grey
Operating Temperature (°C)	-40° C to +60° C
Lightning protection	DC grounded
RET	Optional (AISG 2.0)

Antenna Patterns: Supplied details separately

Horizontal Pattern



Vertical Pattern

