

470-700 MHz TV White Space Antenna

Product ID: ATA-ST047HV90-12

Electrical Specifications

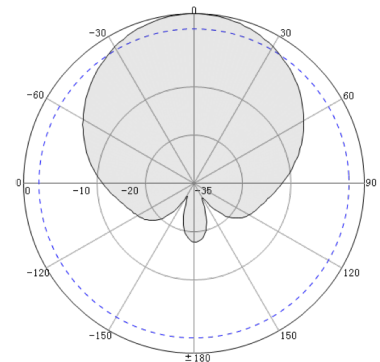
Frequency	470-700 MHz
Polarization	Horizontal & Vertical dual pol
Gain	10.5 dBi @ 470 MHz
	12 dBi @ 585 MHz
	12.5 dBi @ 700 MHz
VSWR	≤1.7:1
3 dB Beam width Azimuth	90°
3 dB Beam width Elevation	24° @ 470 MHz
	20° @ 585 MHz
	16° @ 700 MHz
Front-to-back ratio	≥18 dB
Isolation	30 dB max
Input Impedance	50 Ω
Max power	100 W
Lightning Protection	DC Ground

Mechanical Specifications

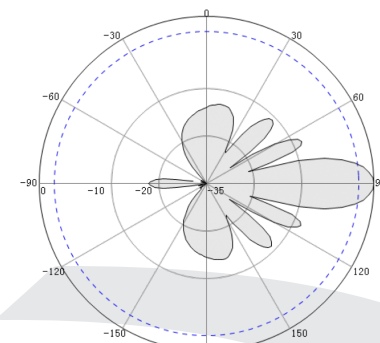
Connector Type	2 x N Female
Dimensions - L x W x H	1300*410*130mm (51.2*16.1*5.1in)
Radiating Element Material	Aluminum
Reflector Material	Aluminum
Weight	11kgs
Radome Material	UPVC
Radome Color	Gray
Mounting Pole	Φ40 - 65mm
Operating temperature	-40 °C to 60 °C
Wind velocity	210 km/h



Patterns:



Horizontal



Vertical