

STA3: Log-Periodic Antenna 1700-2300 MHz 10.5 dBi

General description

The STA3 is a light duty broadband log-periodic antenna with low VSWR and flat frequency response of gain.

The STA3 is suitable for DCS, PCS, CDMA and UMTS applications (e.g. personal repeaters) because of its high front-to-back ratio and sidelobes suppression.



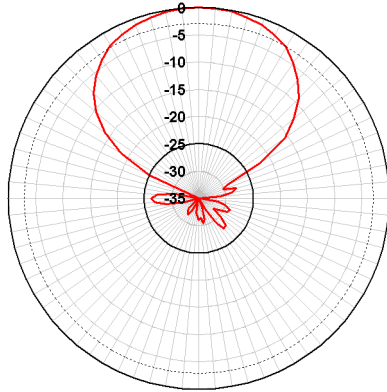
Specifications

Frequency range	1700 – 2300 MHz
Gain	10.5 dBi
VSWR	< 1.5
3 dB beam width	45° E-plane, 60° H-plane
Sidelobes suppression (incl. front-to-back)	> 25 dB
Polarization	Vertical or Horizontal
Impedance	50 Ω
Maximum input power	100 W
RF input connector	N-F
Maximum wind velocity	150 km/h
Temperature range	-40 to +60 °C
Dimensions (L x W x H)	370 x 259 x 150 mm
Mass	1.3 kg
Material	Antenna – Duralumin Radome – Gray Polyethylene, UV protected Mounting kit – Stainless Steel
Mounting	Hardware included for mast diameter 30 to 45mm

Typical antenna patterns

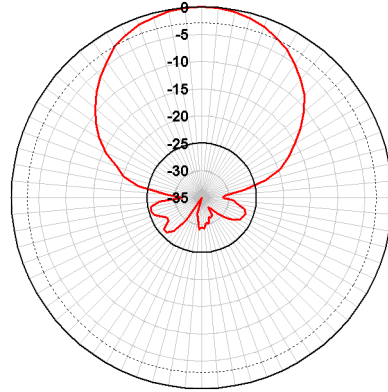
Frequency 1700 MHz

H-plane

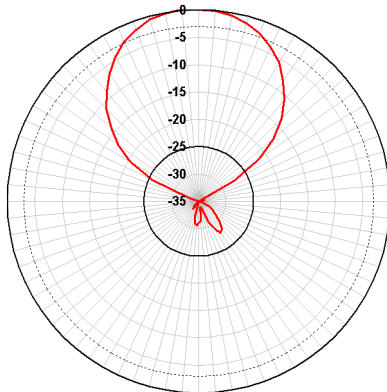


Frequency 2200 MHz

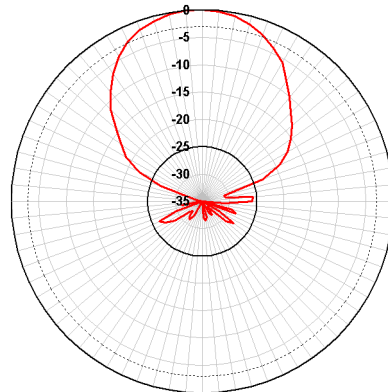
H-plane



E-plane



E-plane



Antenna-to-mast mounting detail



Dimensional drawing (all units in millimeters)

