

## STA3: Log-Periodic Antenna 1700 – 2700 MHz 10.5 dBi

### General Description

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, UMTS, WiFi and LTE applications (e.g., personal repeaters) because of its high front-to-back ratio and good sidelobes suppression.



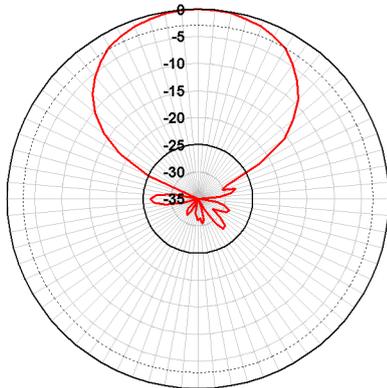
**Fig. 1.** STA3 Antenna.

### Specifications

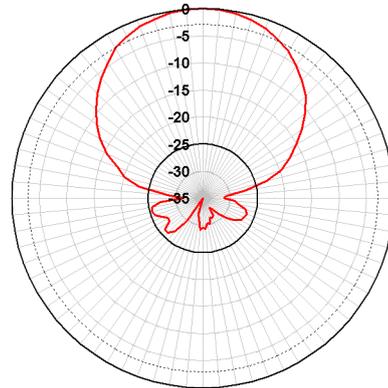
Frequency range	1700 – 2700 MHz
Gain	10.5 dBi
VSWR	< 1.5
3 dB beamwidth	45° E-plane, 60° H-plane
Sidelobes suppression (incl. front-to-back)	> 25 dB
Polarization	Vertical or Horizontal
Impedance	50 Ω
Maximum input power	100 W
RF input connector	N-female (Nf)
Maximum wind velocity	150 km/h
Temperature range	-40 °C to +60 °C
Dimensions (L × W × H)	370 × 259 × 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 45 mm

## Typical antenna patterns

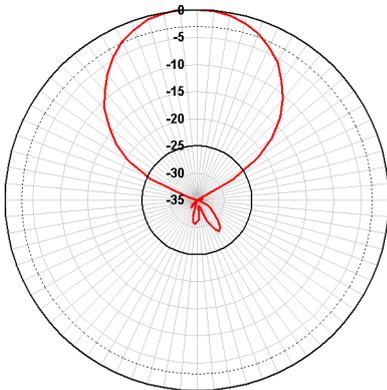
Frequency 1700 MHz  
H-plane



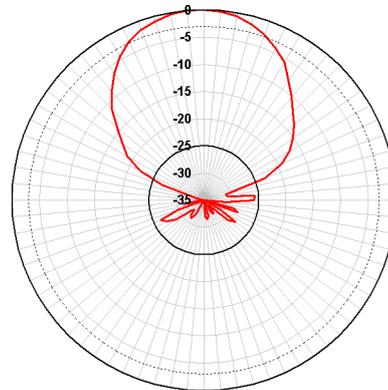
Frequency 2200 MHz  
H-plane



E-plane



E-plane



## Antenna-to-mast mounting detail



**Fig. 2.** Antenna-to-mast mounting detail.

Dimensional drawing

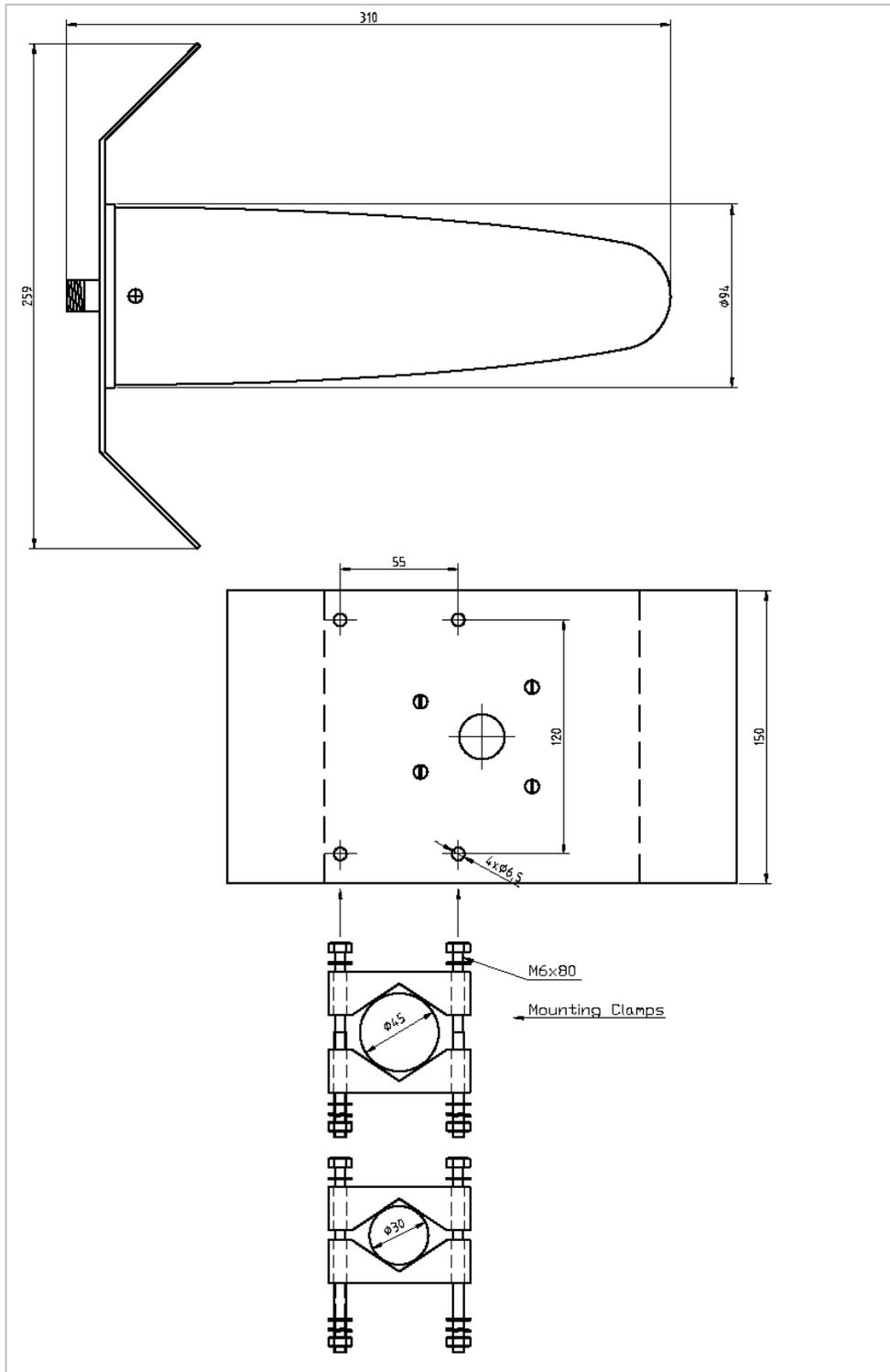


Fig. 3. STA3 dimensions in millimeters.