



2.4GHz Yagi Outdoor Antenna

Model : YA-242518



APPLICATIONS AND FEATURES

Applications:

- 2.4-2.5 GHz ISM Band
- IEEE 802.11b, 802.11g, 802.11n Wireless LAN
- Directional and multipoint applications
- Bluetooth
- Public Wireless Hotspot
- WiFi, RFID
- Wireless Video Systems

Features :

- Superior performance
- The weight is light
- Good appearance designs
- DC Short lightning protection
- Installed for vertical or horizontal polarization
- Behind and support is an aluminum
- support is up and down or so to adjust
- Outdoor antenna for public hot-spots
- Includes tilt and swivel mast mount brackets
- RoHS Compliant

SPECIFICATIONS:

Electrical Specifications

Frequency Range	2400 – 2500 MHz
V.S.W.R	≤ 1.5
Return Loss	$\geq -15\text{db}$
F/B	20
Gain	18dBi
Polarization	Vertical
Maximum Power	50W
Vertical Beam-with	23°
Horizontal Beam-with	24°
Impedance	50 Ohm
Connector	40cm pigtail with the N-Female

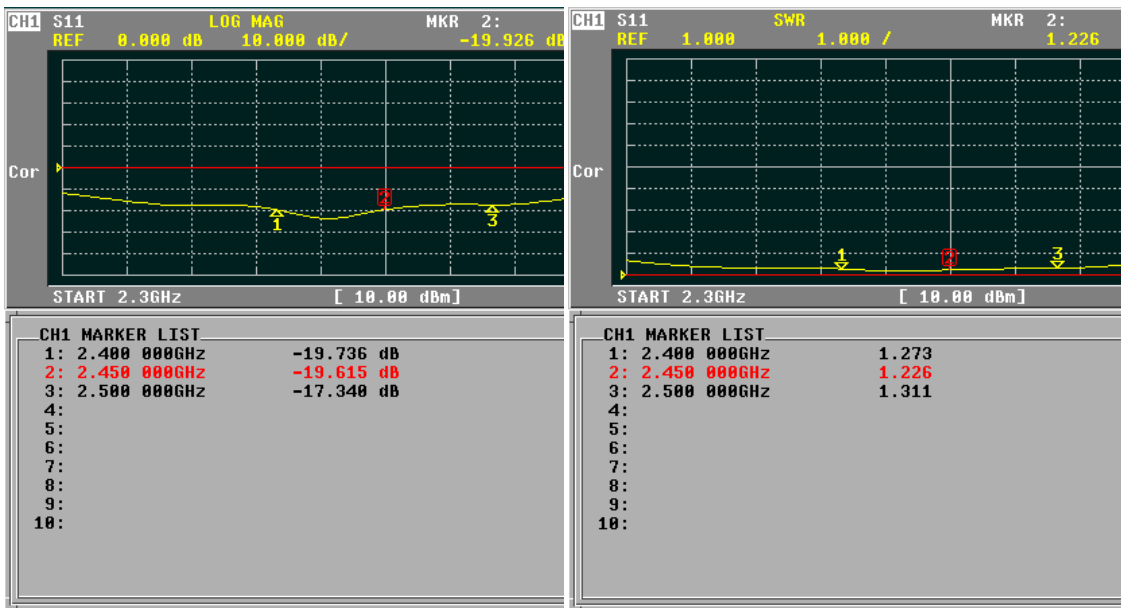


Mechanical Specifications

Length	850mm
Diameter	66mm
Weight	800g
Wind Survival	> 100 MPH
Radome Material	Polymer
Operating Temperature	-40°C to +80°C
Down-tilt	"L " Style 0-30°
Mounting / Clamps	32 – 45mm / U-bolt
RoHS Compliant	Yes

YA-242518 Test Report

Retuen loss & V.S.W.R

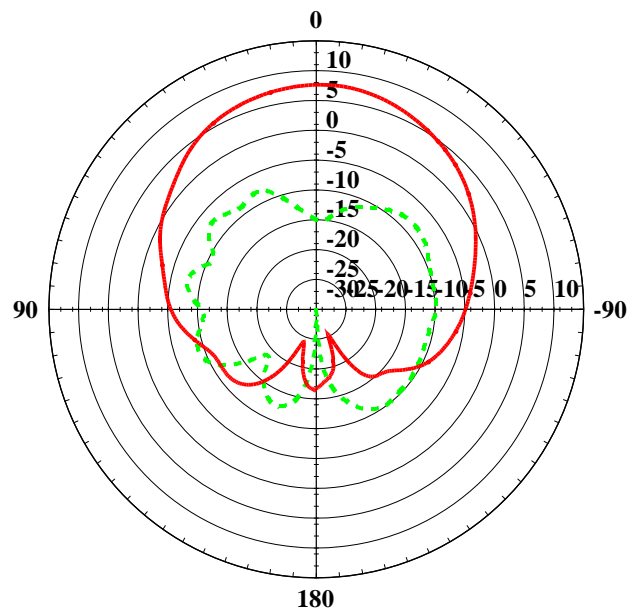
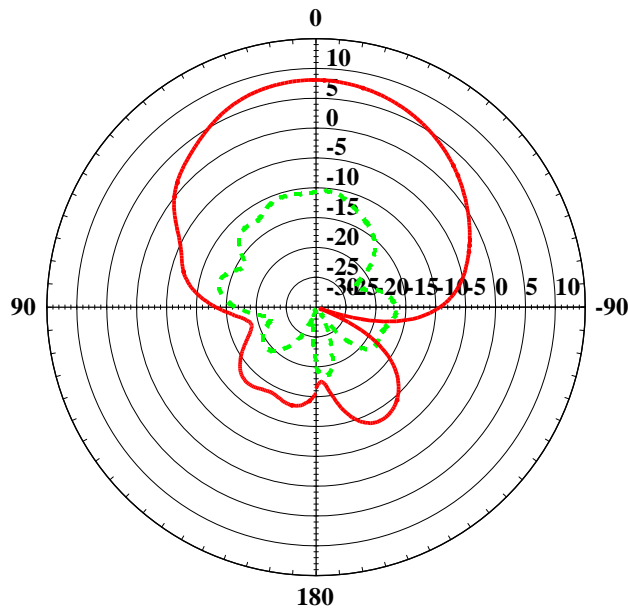


Retuen loss

V.S.W.R



Antenna Vertical & Horizontal Pattern



Vertical

E-plane co-pol ----- 3-dB beam-with=23°

Horizontal

H-plane co-pol ----- 3-dB beam-with=24°



Also We have as following specification of Directional Panel Antenna

PN	Description	Gains	L, Dia, Weight	Ver.	Hor.	Type	F/B
YA-242515	2.4G-2.5G	15dBi	650mm,66mm,600g	28°	28°		20
YA-242512	2.4G-2.5G	12dBi	450mm,66mm,500g	35°	40°		18
YA-242510	2.4G-2.5G	10dBi	300mm,66mm,400g	56	30°		18