

Yagi UHF ANTENNA

MODEL: YGA-470



1. GENERAL DESCRIPTION

Below is a table summarizing the antenna design specification.

1.1 Electrical Properties

Parameter	Description
Frequency Band	455~485MHz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	2.0:1
Antenna Gain	4~5 dBi
Note: Gain includes the cable loss	

1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA 180° (Male)

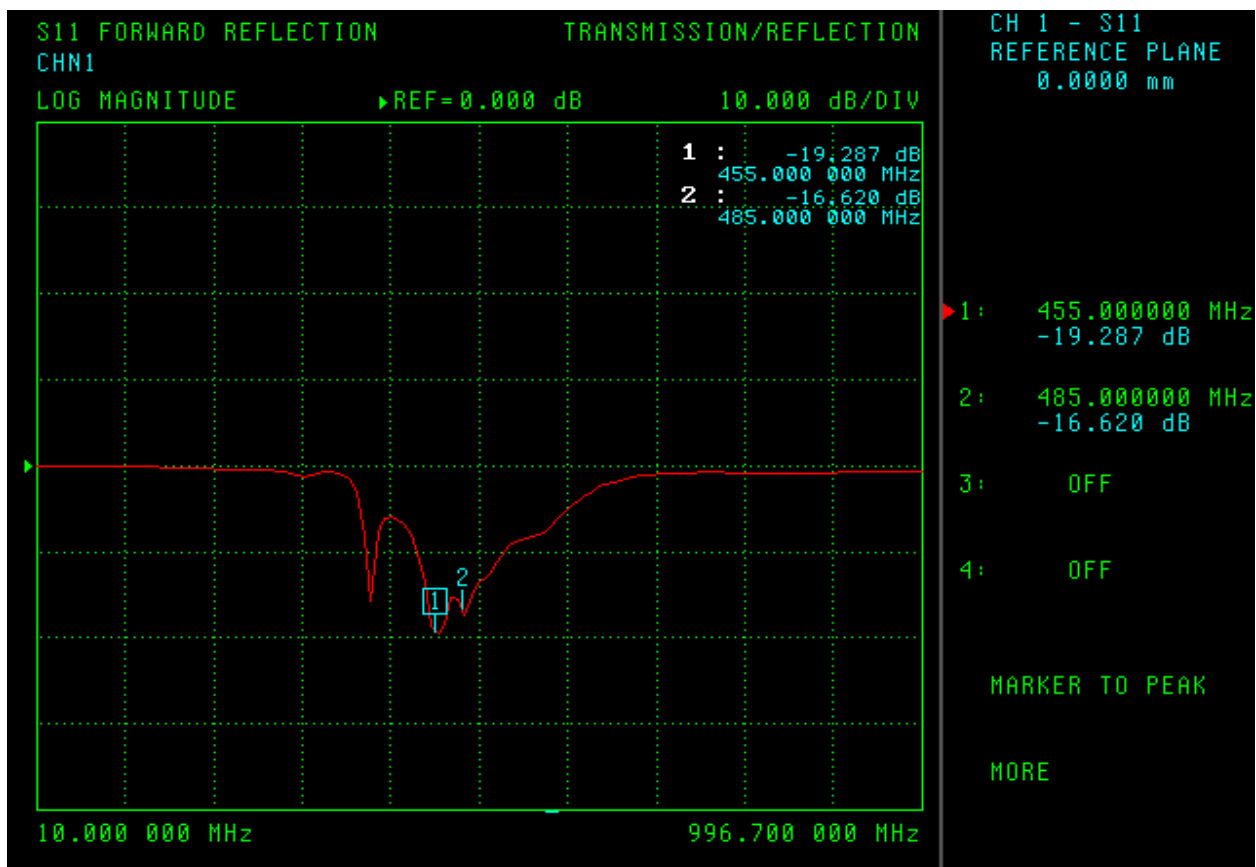
Antenna Dimensions	540 mm ±10
Antenna Color	Black
Operating Temperature Range	-40°C~+85°C
Storage Temperature Range	-40°C~+85°C

2. Appearance

NO.	NAME	FINISH	Q. TY
01	Body		01
02	RF-SMA/T Cable	Black	01
03	SMA 180° (Male)	Golden plating	01
04	Core tube	Black	01
05	Heat-shrink tube	Black	01
06	Clip wire	White	02
07	Clip retaining	Nickel plating	01
08	U-Circlelip	Nickel plating	01
09	Hexagonal nut	Nickel plating	02
10	Top cap	Black	10

CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
	X. XAD. 15		455~485 MHz	V/M	1/1	20100528	1
SURFACE ROUGHNESS		APPEARANCE					

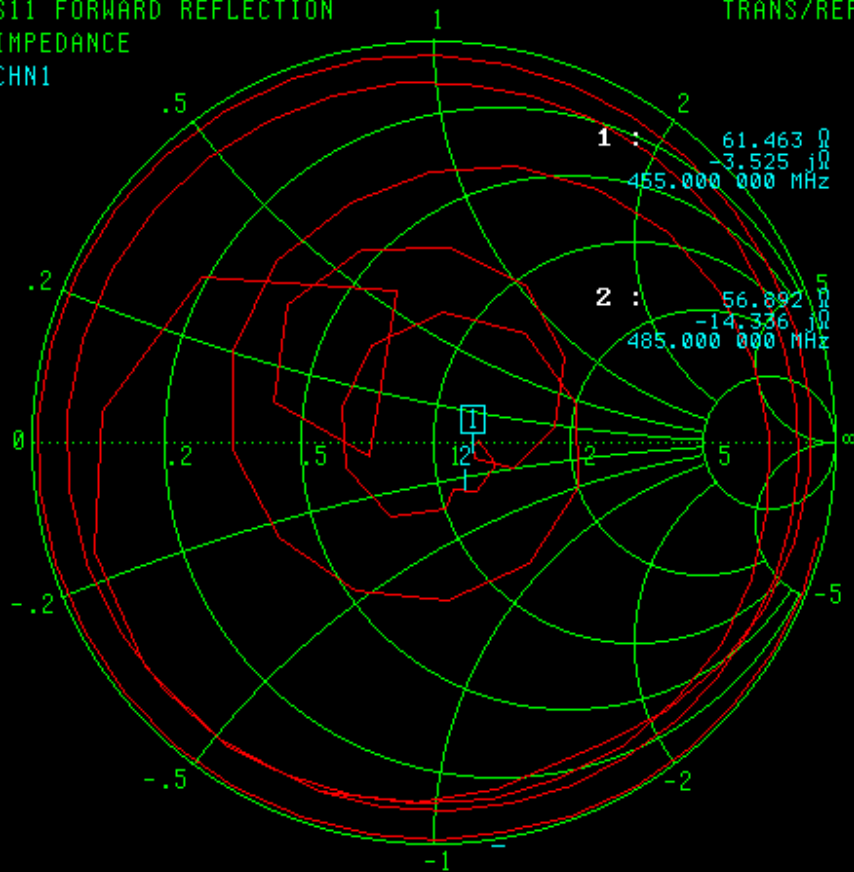
3. 1 Return Loss, V.S.W.R. and Smith Chart



S11 FORWARD REFLECTION
IMPEDANCE
CHN1

TRANS/REFL

CH 1 - S11
REFERENCE PLANE
0.0000 mm



- 1: 455.000000 MHz
61.463 Ω
-3.525 $j\Omega$
- 2: 485.000000 MHz
56.892 Ω
-14.336 $j\Omega$
- 3: OFF
- 4: OFF

MARKER TO PEAK

MORE