

433Mhz Antenna

MODEL: TH-433



1. GENERAL DESCRIPTION

Model No	P/N
TH-433	TH433-SMA(M)

Below is a table summarizing the antenna design specification.

1.1 Electrical Properties

Parameter	Description
Frequency Band	433 MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	1/4 λ Dipole
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Note: Gain includes the cable loss	

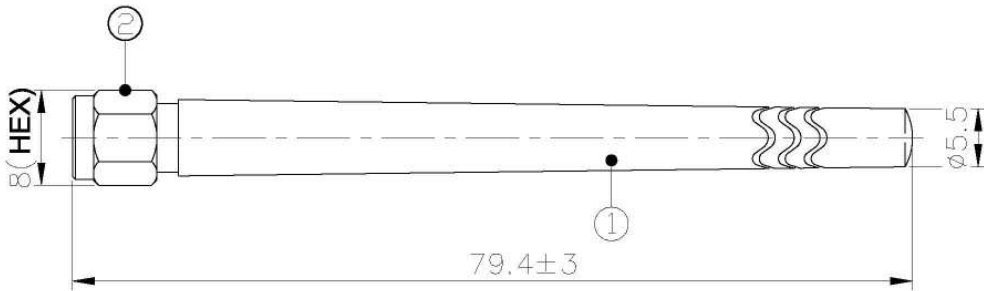
1.2 Mechanical Properties


Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA 180° (Male)
Antenna Dimensions	79.4mm \pm 2
Antenna Color	Black
Operating Temperature Range	-20°C~+60°C

Storage Temperature Range	-30°C~+70°C

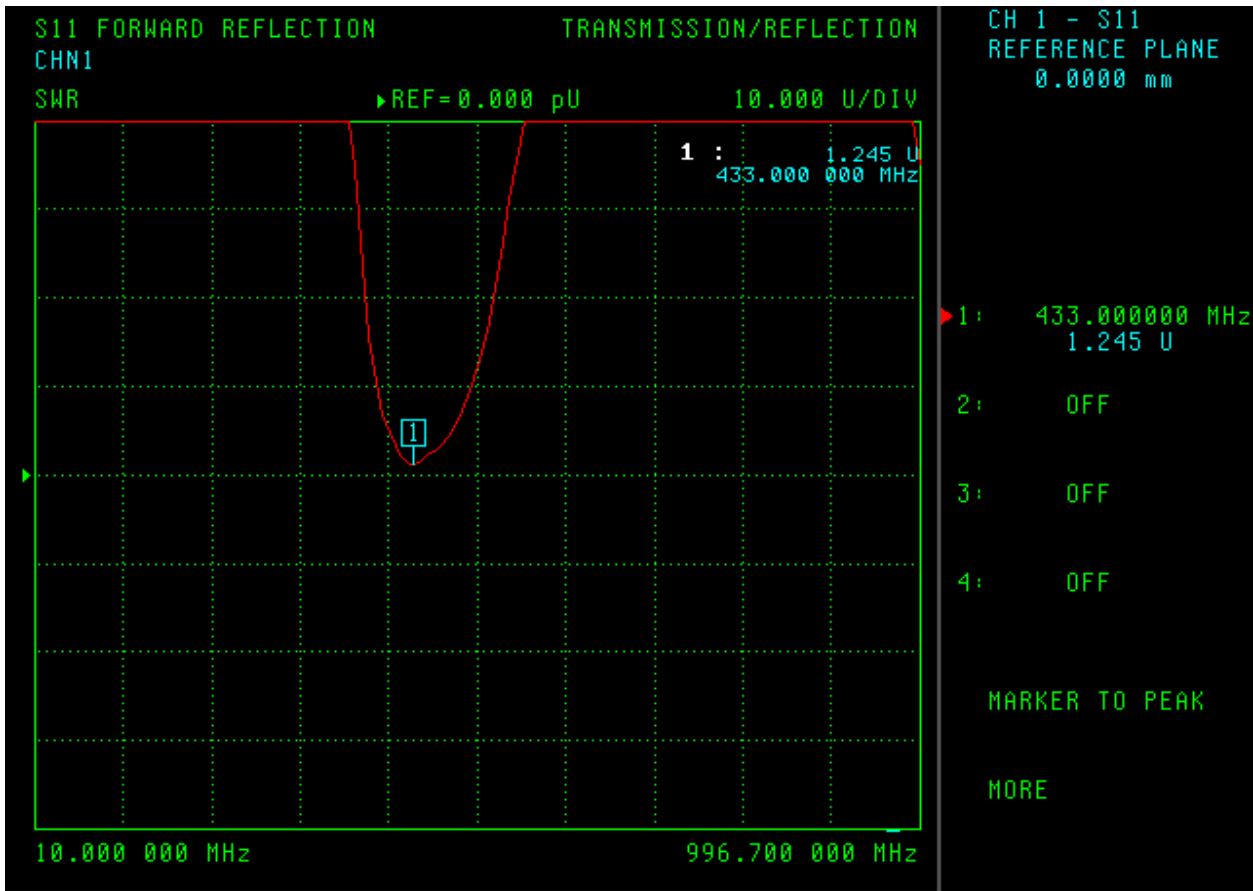
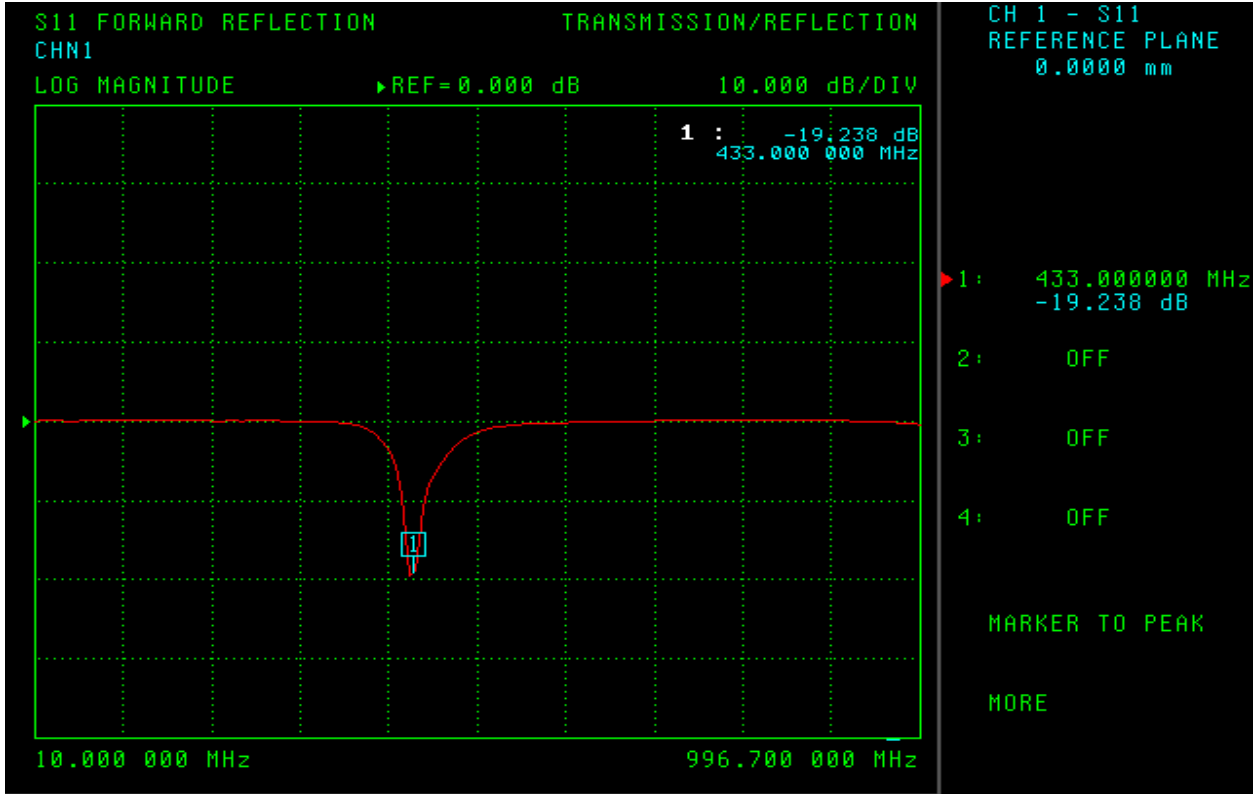
2. Appearance

NO.	NAME	MATERIAL	FINISH	Q,TY
01	TOP	TPR(TS-95)	Black	01
02	SMA 180°(Male)	Brass	Nickel plating	01



 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
	TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	433MHz	M/M		20080306
SURFACE ROUGHNESS	$\frac{S}{\nabla}$	APPEARANCE			APPROVED	CHECKED	DRAWING	DESIGNED

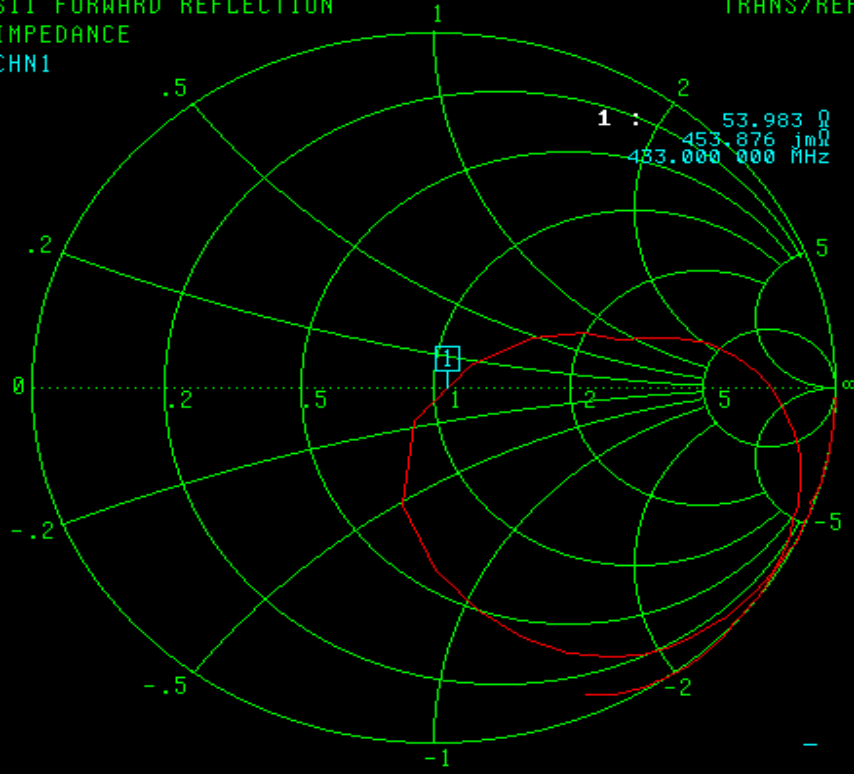
3. Frequency



S11 FORWARD REFLECTION
IMPEDANCE
CHN1

TRANS/REFL

CH 1 - S11
REFERENCE PLANE
0.0000 mm



1: 433.000000 MHz
53.983 Ω
453.876 j mΩ

2: OFF

3: OFF

4: OFF

MARKER TO PEAK

MORE