

UHF ANTENNA

Model : TH480



1. GENERAL DESCRIPTION

Model No
TH480-SMA(M)

Below is a table summarizing the antenna design specification.

1.1 Electrical Properties

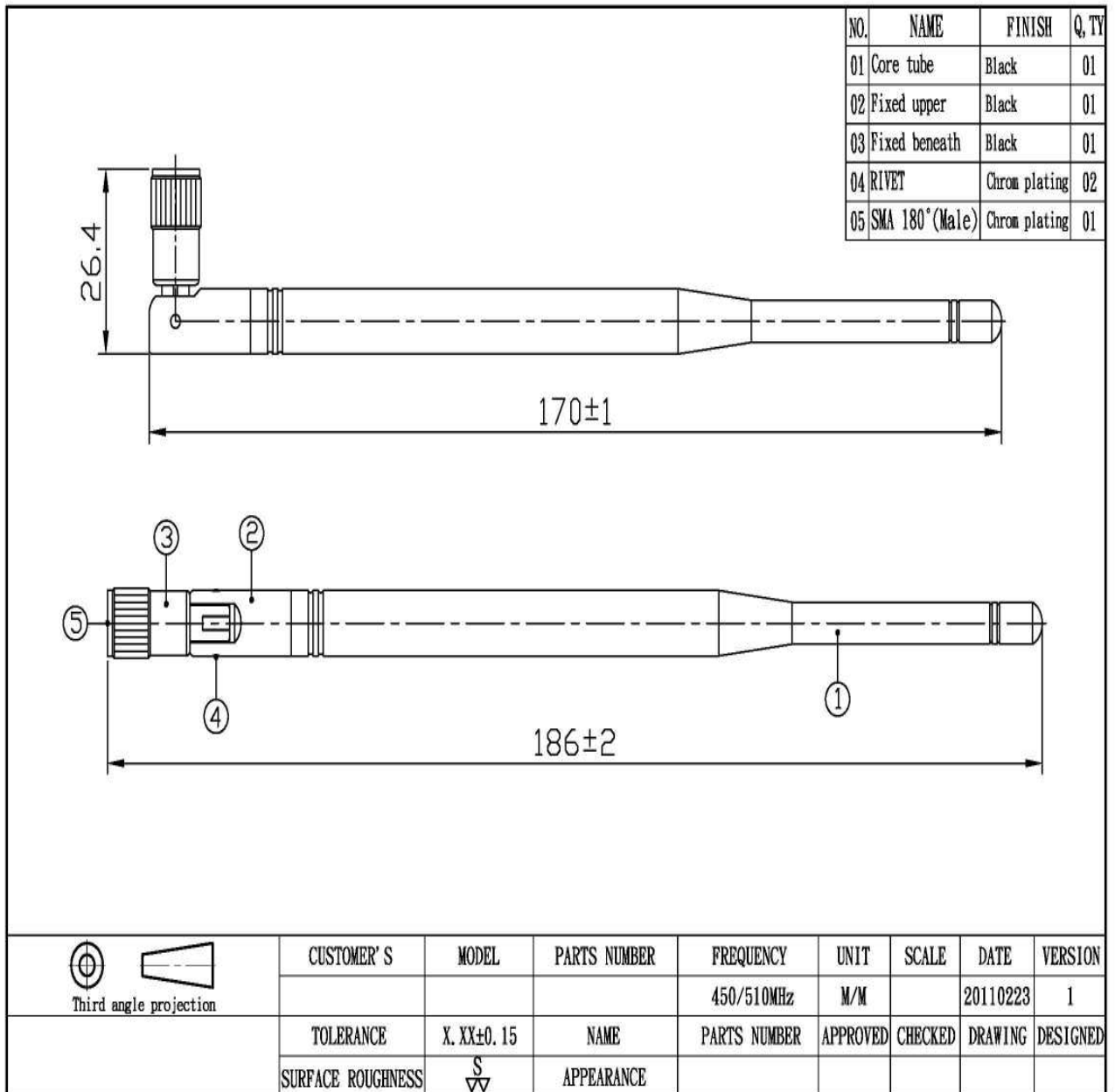
Parameter	Description
Frequency Band	450~510 MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.3:1
Note: Gain includes the cable loss	

1.2 Mechanical Properties

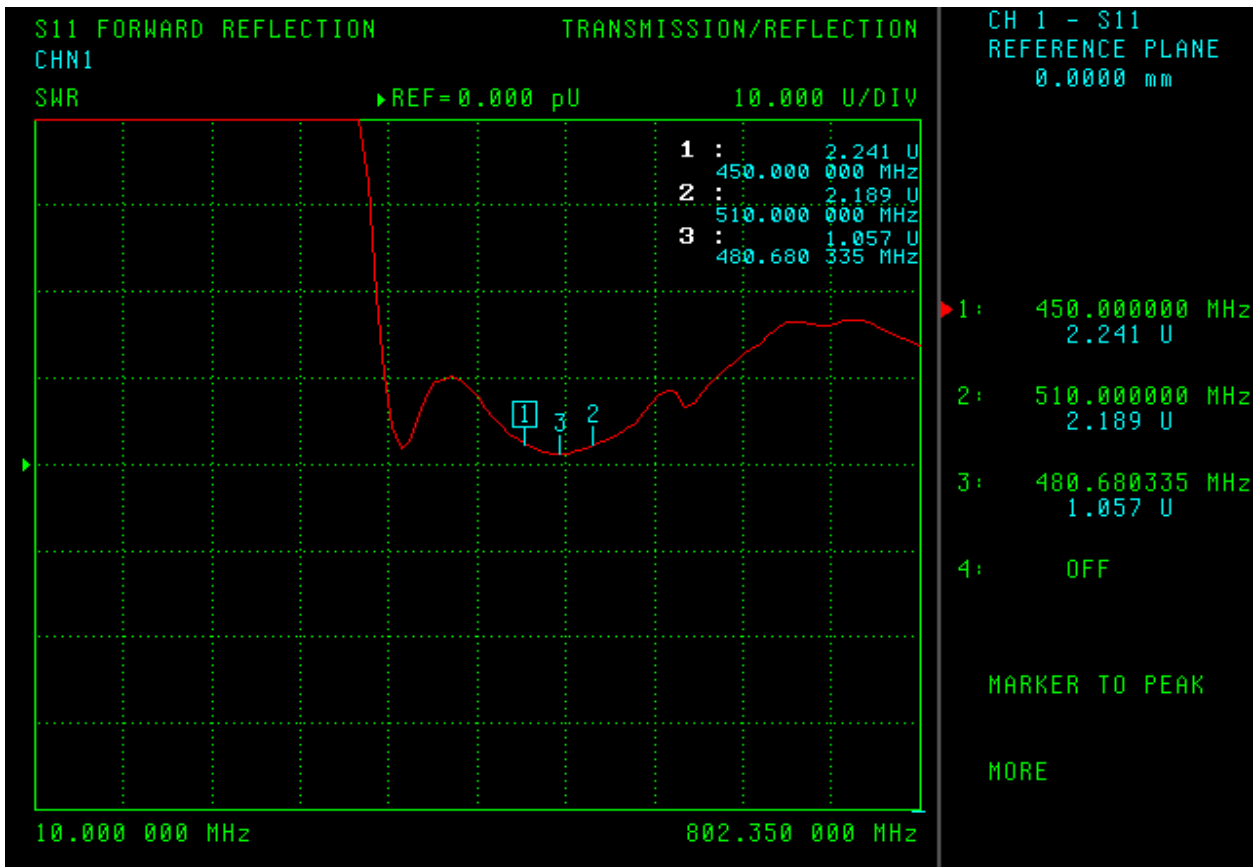
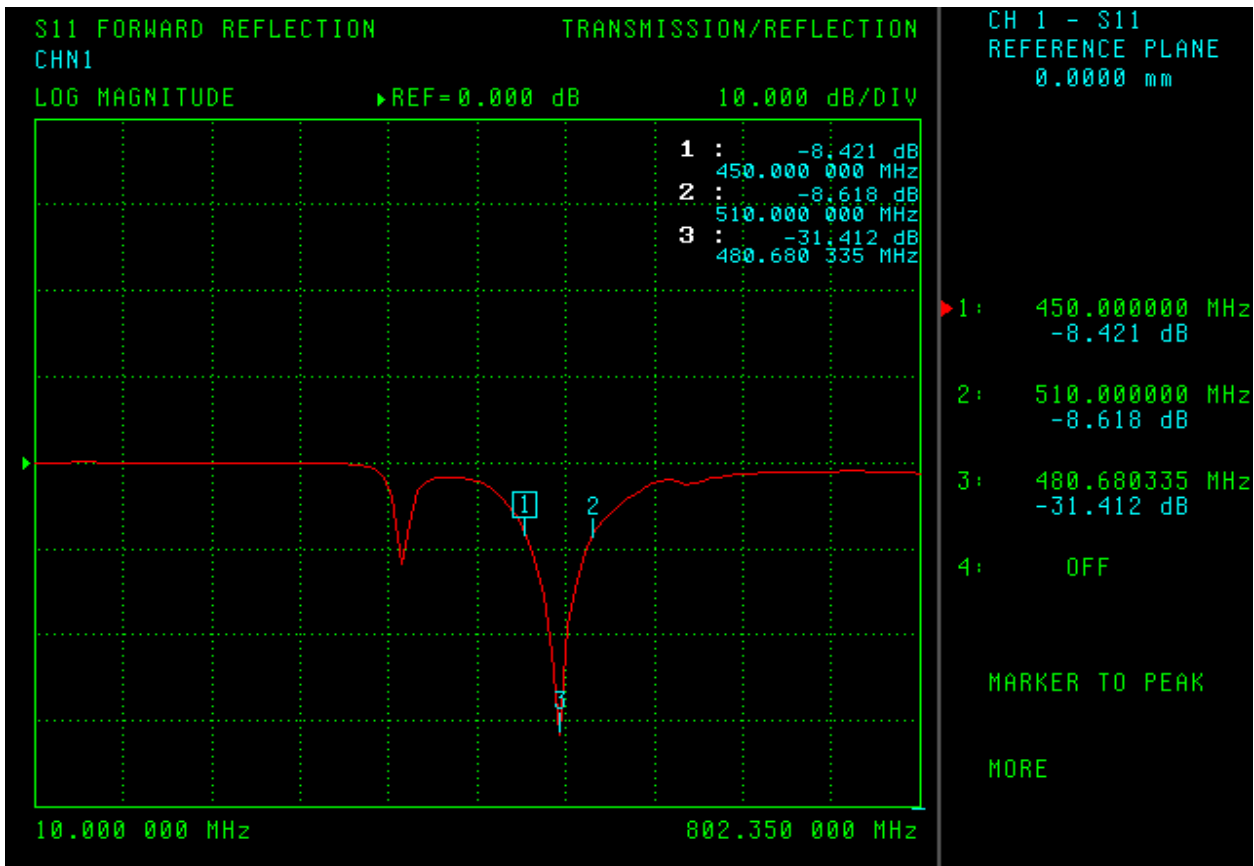
Parameter	Description
Antenna Type	External Antenna
Antenna Cover	ABS+TPE
Touch Type	Screw Type
Connector Type	SMA 180°(Male)
Antenna Dimensions	186mm±2
Antenna Color	Black

Operating Temperature Range	-20°C~+60°C
Storage Temperature Range	-30°C~+70°C

2. Appearance



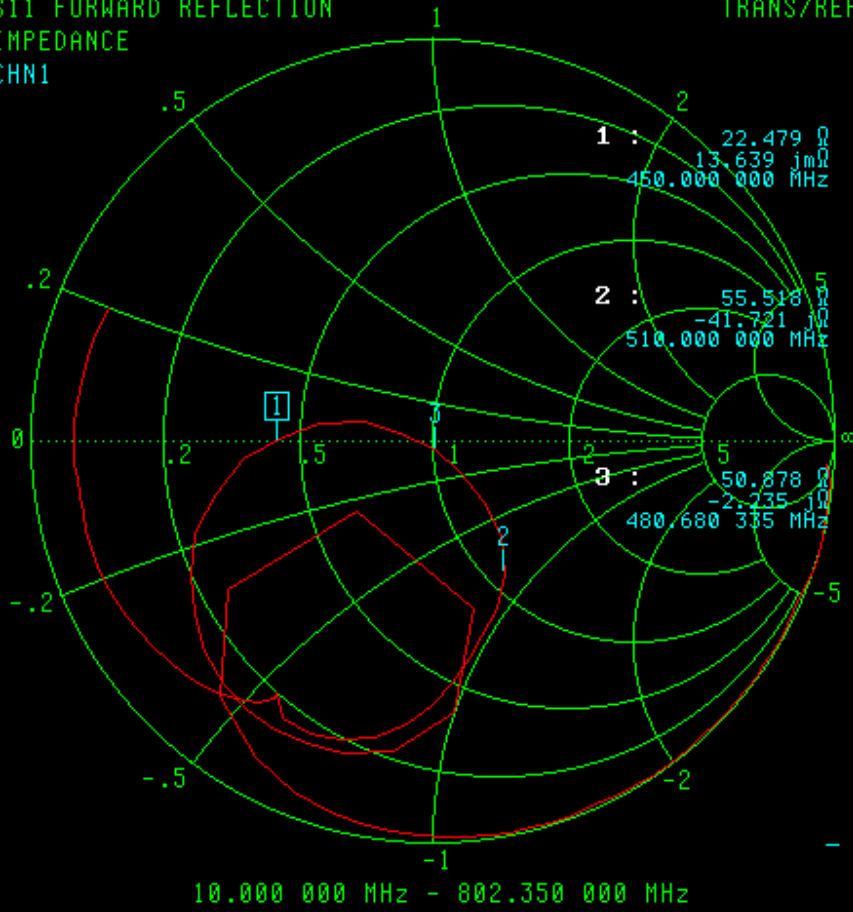
3. Return Loss, V.S.W.R. and Smith Chart



S11 FORWARD REFLECTION
IMPEDANCE
CHN1

TRANS/REFL

CH 1 - S11
REFERENCE PLANE
0.0000 mm



- 1: 450.000000 MHz
22.479 Ω
13.639 $j\Omega$
- 2: 510.000000 MHz
55.518 Ω
-41.721 $j\Omega$
- 3: 480.680335 MHz
50.878 Ω
-2.235 $j\Omega$
- 4: OFF

MARKER TO PEAK

MORE