

APPROVAL SPECIFICATION

Product : Internal Antenna

Model Name : TMRV075G

Date : 2024.03.11

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1. Manufacturer

- Sunway Communication Co., Ltd.
- Huizhou Speed Wireless Technology Co. Limited

2. Model Name

- Basic Model: **TMRV075G**

3. Antenna Type

ANT	Antenna type
ANT5	FPC Antenna, IFA

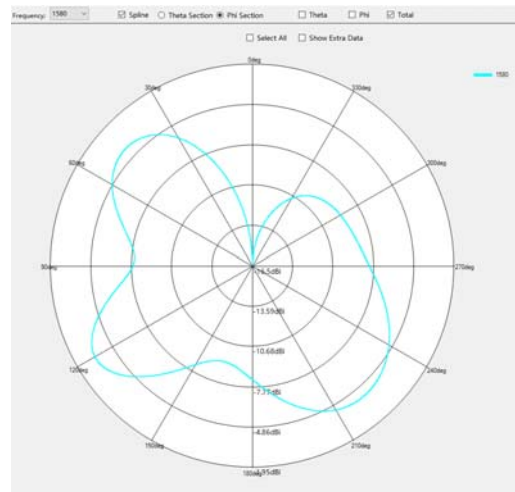
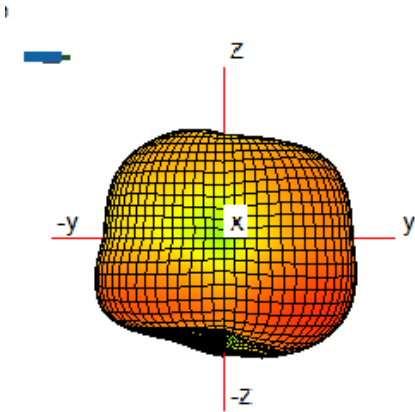
4. Electric Performance Data

4.1 Specification Sheet

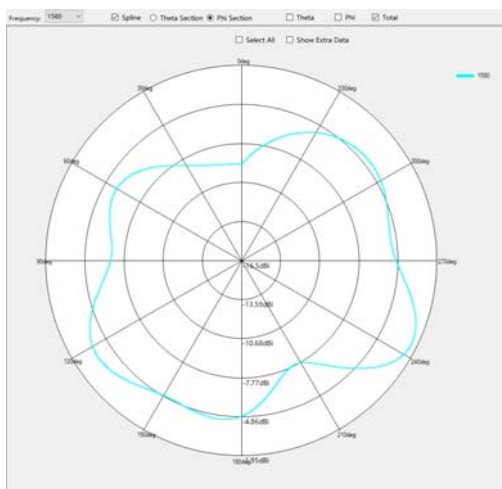
Band	Antenna Gain(dBi)
2.4G WIFI	-1.9
5G WIFI	0.1
BT	-1.9
GPS L1	-1

4.2 Antenna Pattern Drawing

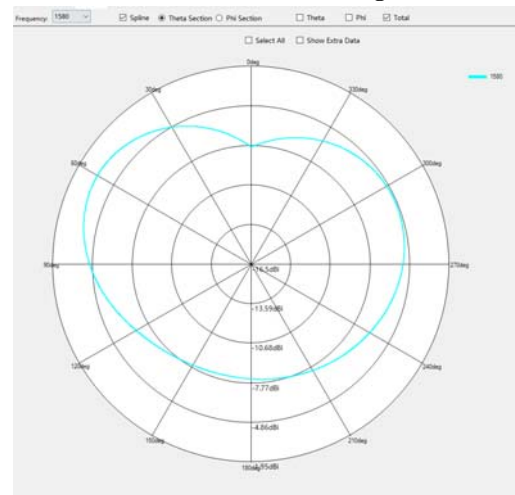
ANT5 GPS(1576MHz)



$\Phi = 0.00^\circ$

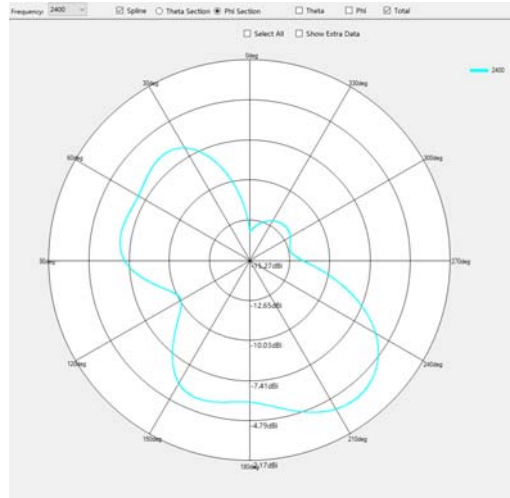
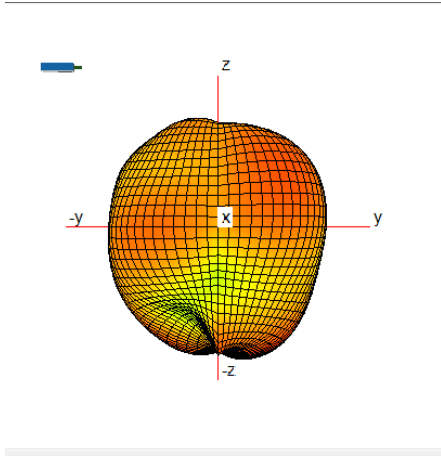


$\Phi = 90.00^\circ$

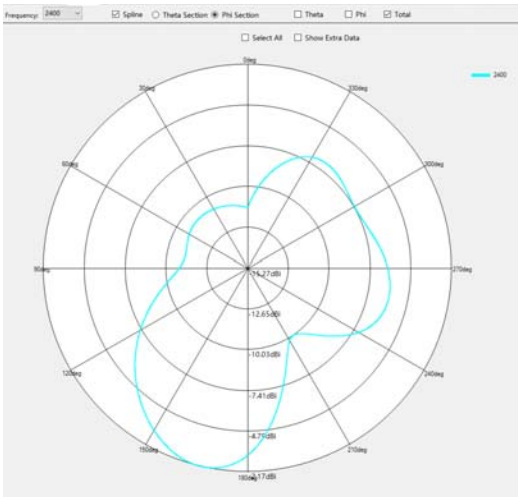


$\Theta = 90.00^\circ$

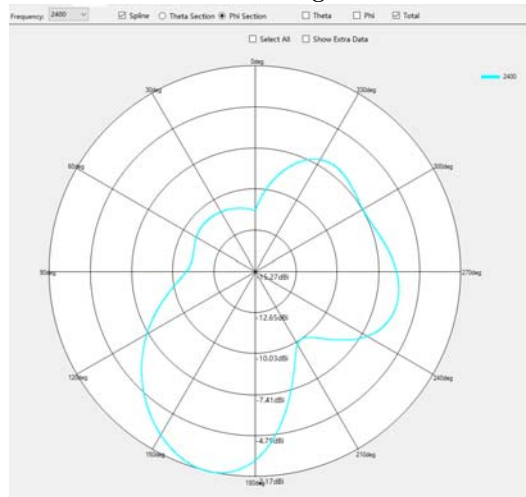
ANT5 WIFI 2.4G(2400MHz)



Phi=0.00deg

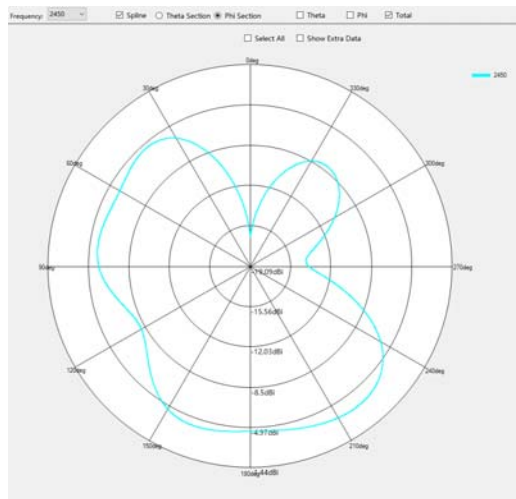
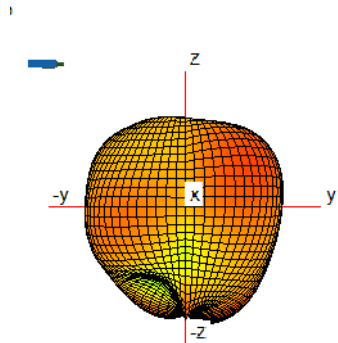


Phi=90.00deg

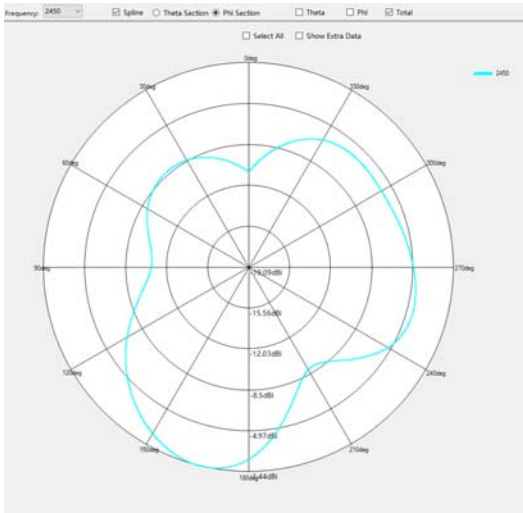


Theta=90.00deg

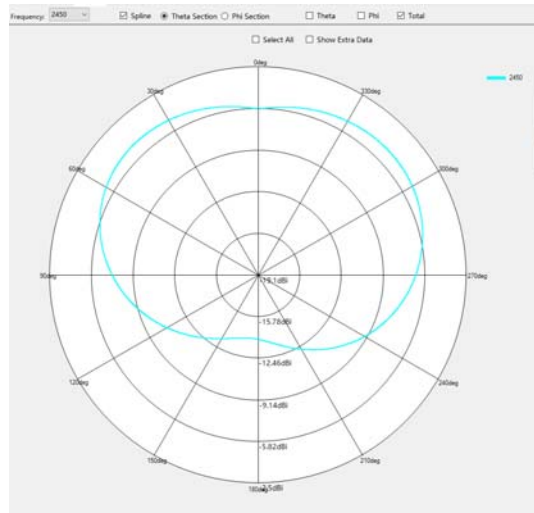
ANT5 WIFI 2.4G(2450MHz)



Phi=0.00deg



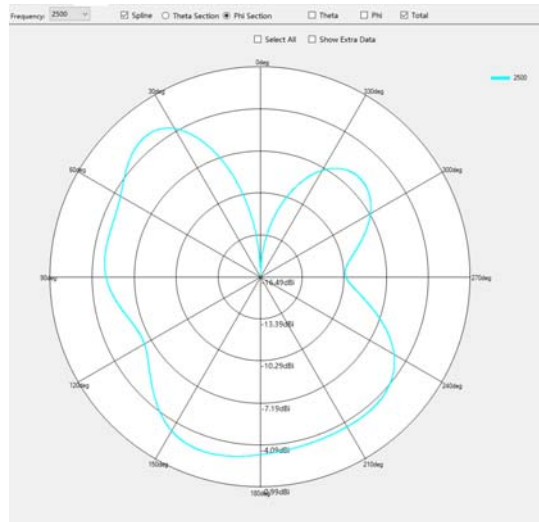
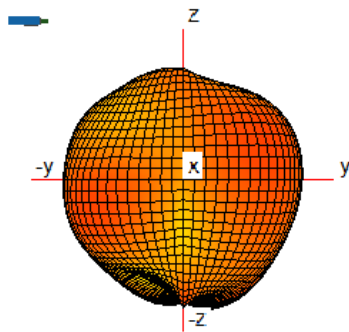
Phi=90.00deg



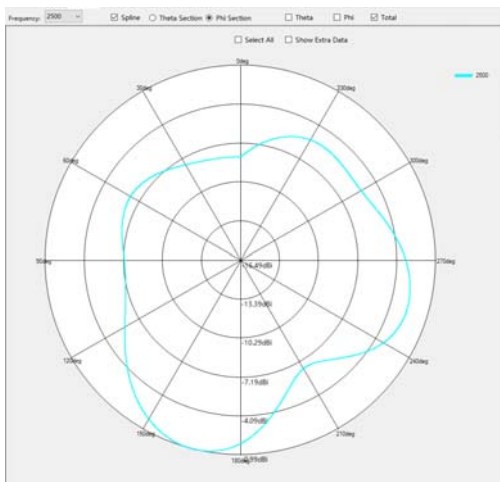
Theta=90.00deg

ANT5 WIFI 2.4G(2500MHz)

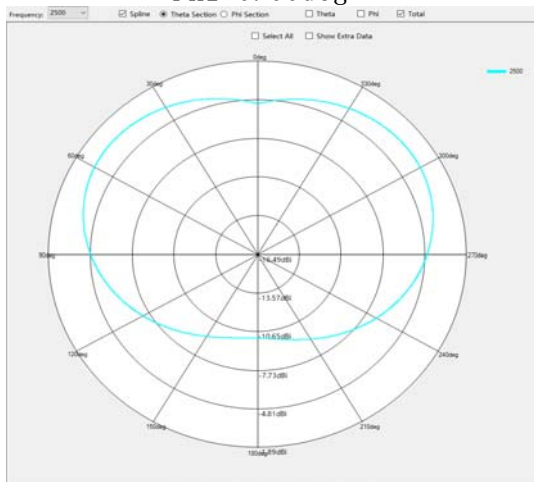
3



Phi=0.00deg



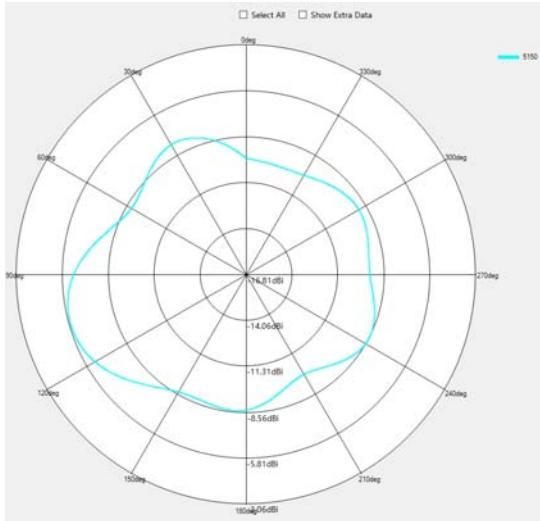
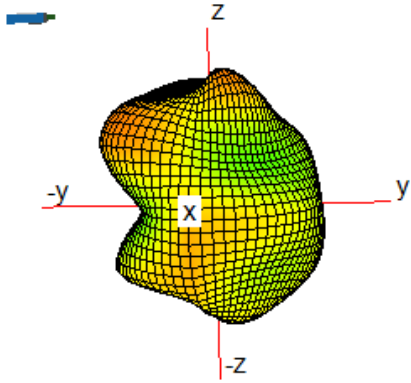
Phi=90.00deg



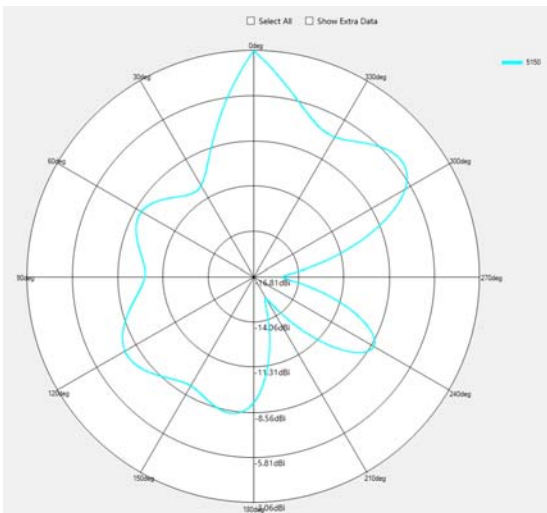
Theta=90.00deg

ANT5 WIFI 5G(5150MHz)

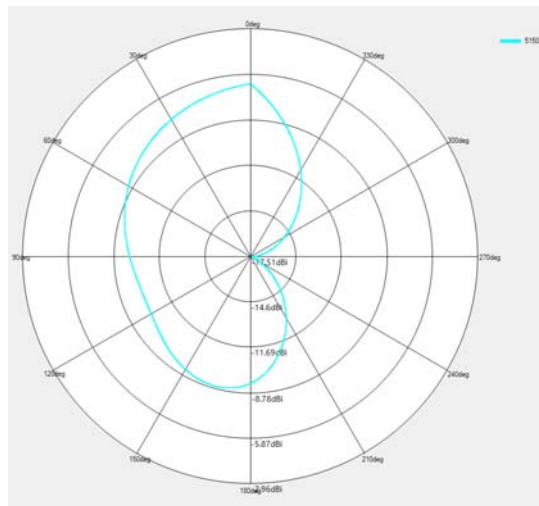
5



$\Phi=0.00\text{deg}$

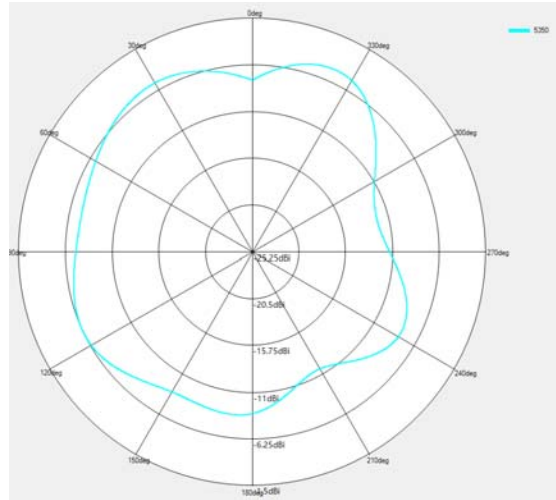
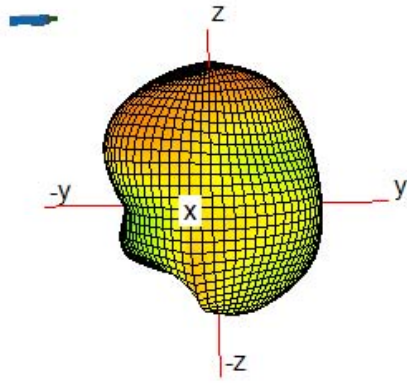


$\Phi=90.00\text{deg}$

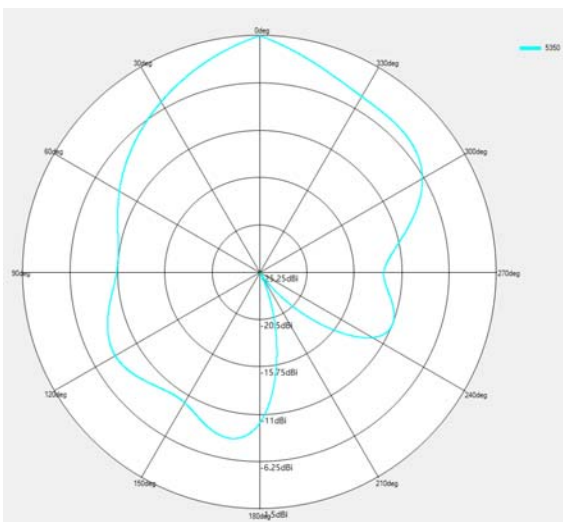


$\Theta=90.00\text{deg}$

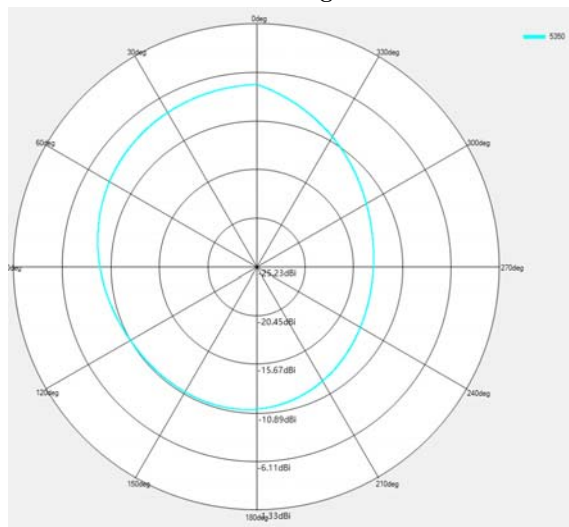
ANT5 WIFI 5G(5350MHz)



Phi=0.00deg

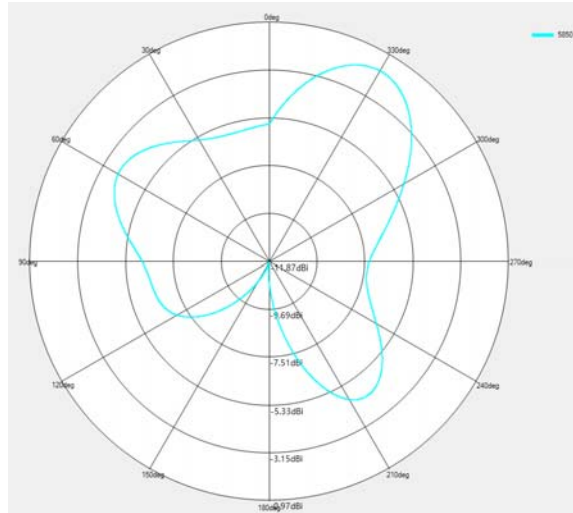
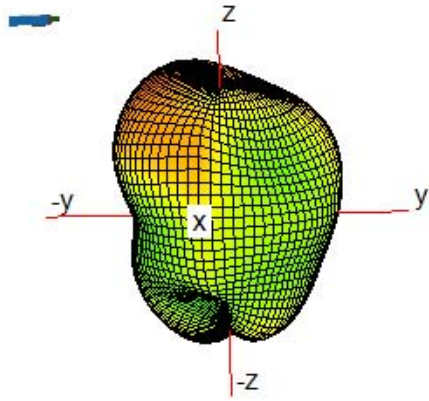


Phi=90.00deg

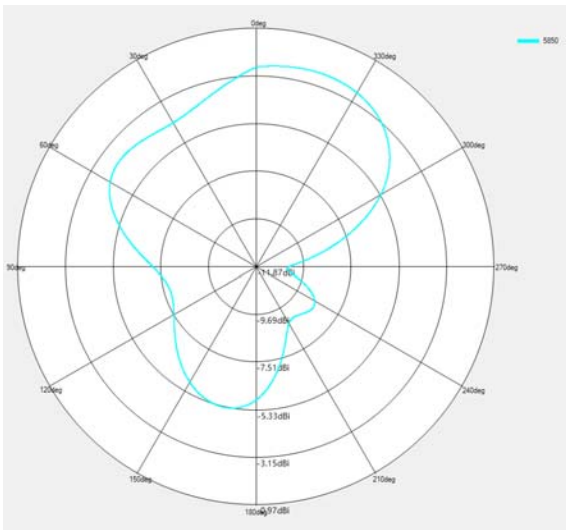


Theta=90.00deg

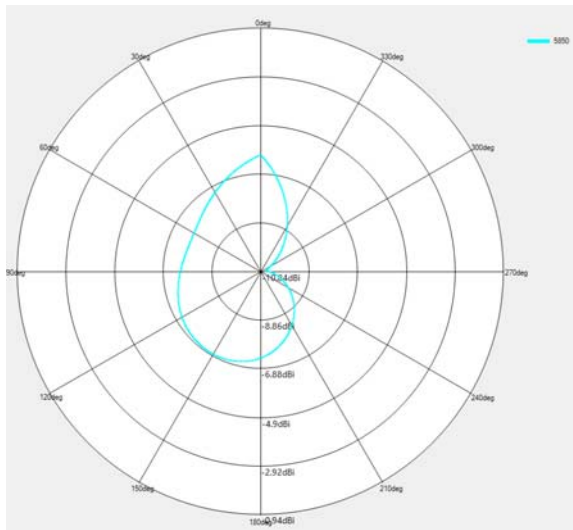
ANT5 WIFI 5G(5850MHz)



$\Phi = 0.00\text{deg}$



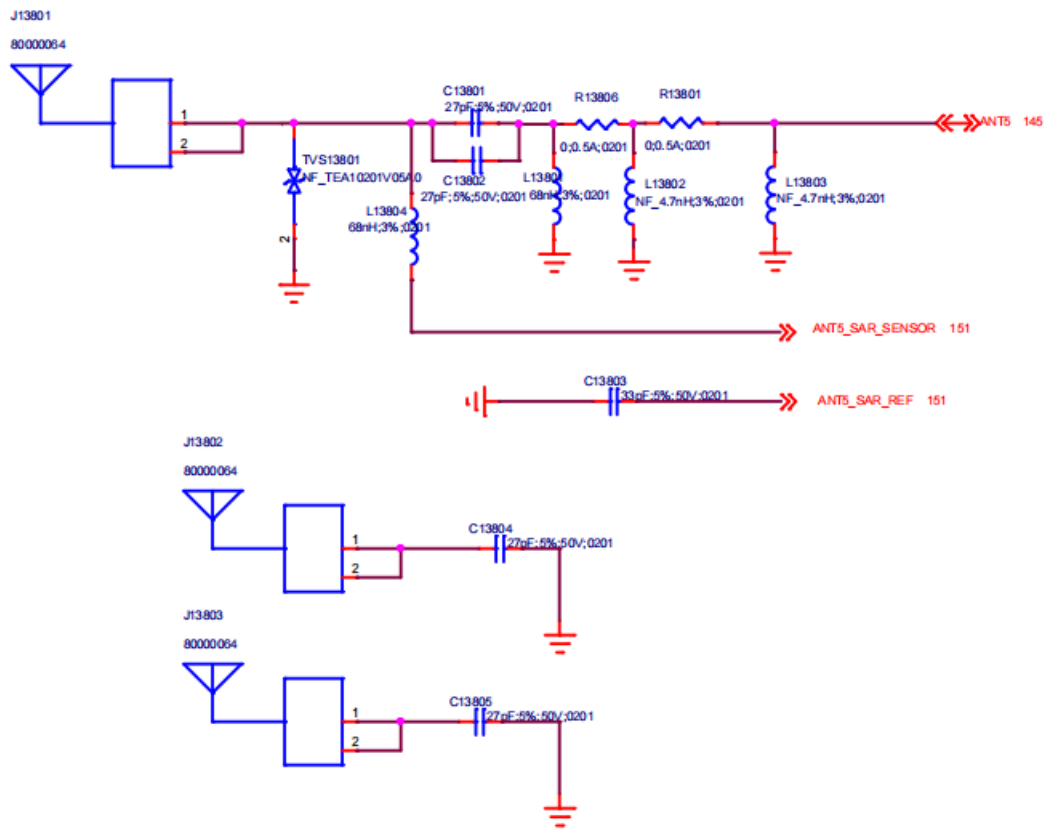
$\Phi = 90.00\text{deg}$



$\Theta = 90.00\text{deg}$

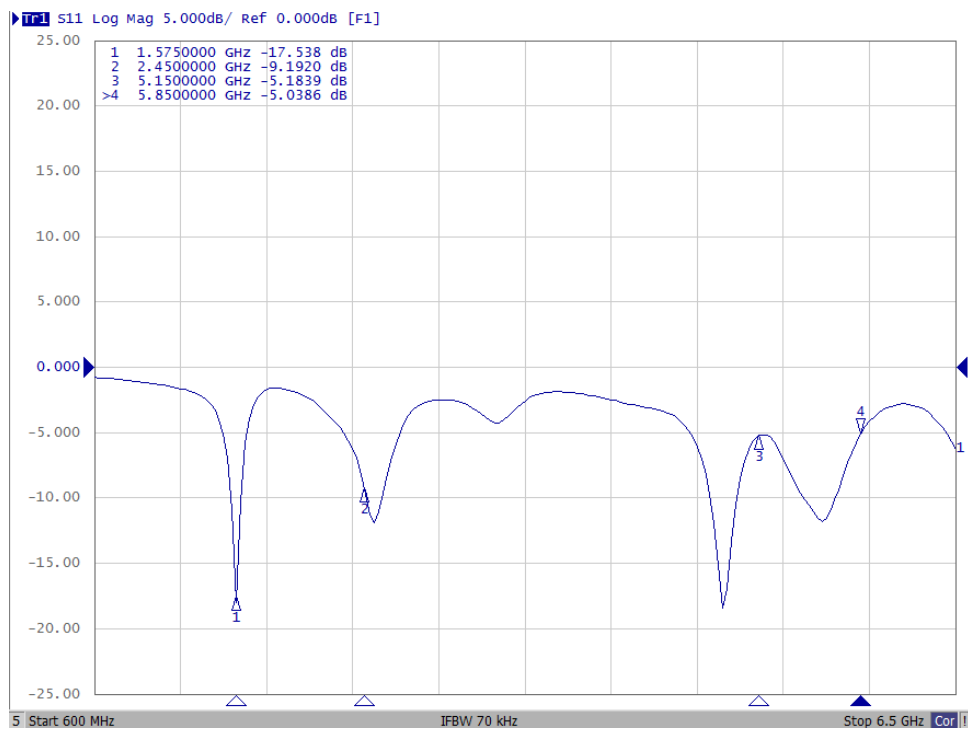
5. Matching circuit
ANT5

ANT5 WIFI&GPS L1



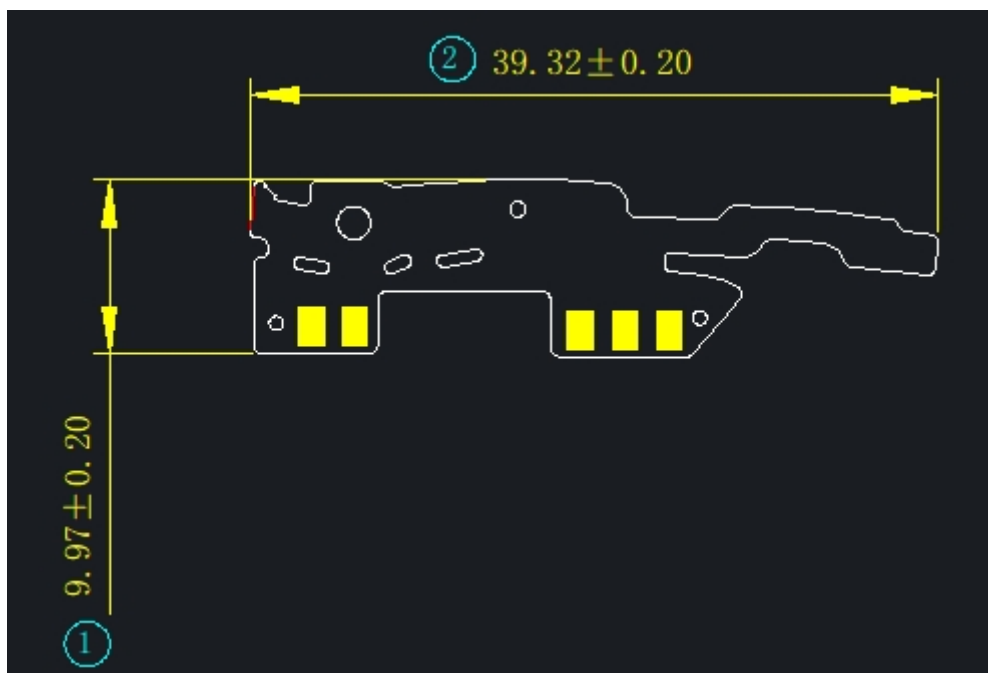
6. ElectricalGraph(Returnloss)

ANT5 Return loss



7. External Drawing

ANT4&ANT5



Length: 39.32mm
Width: 9.97mm