

Product Specifications for Approval

Customer name: Hangzhou Sainao Intelligent Control Technology Co., LTD

Antenna type: FS-247

1. Summary :

This report to account for the measurement setup and result of the Antenna. The measurement setup includes s-parameter, The measured data for Antenna are presented and analysis.

2. S-Parameter Measurement S :

A. Reflection coefficient :

(a) Instrument: Network Analyzer .(b) Setup :

- (1) Calibrate the Network Analyzer by one port calibration using O.S.L. calibration kits.
- (2) Connect the antenna under test to the Network Analyzer.
- (3) Measure the S11(reflection coefficient) shown in Fig. 1.
- (4) Generally, the S11 is less than -10dB to ensure the 90% VSWR 2.0:1 power into antenna and only less than 10% power back to system.

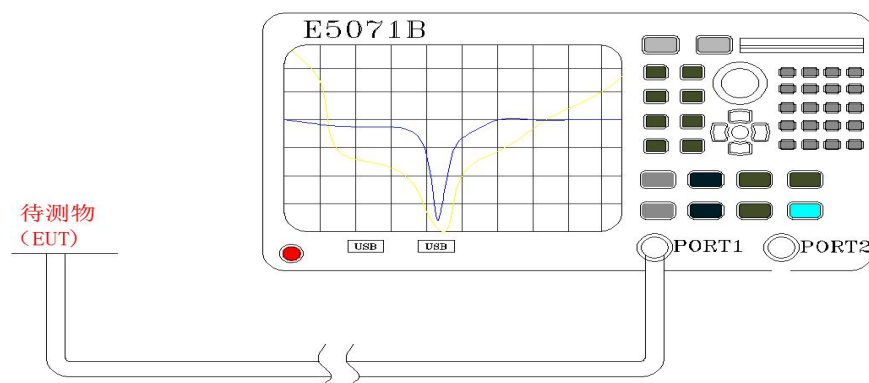


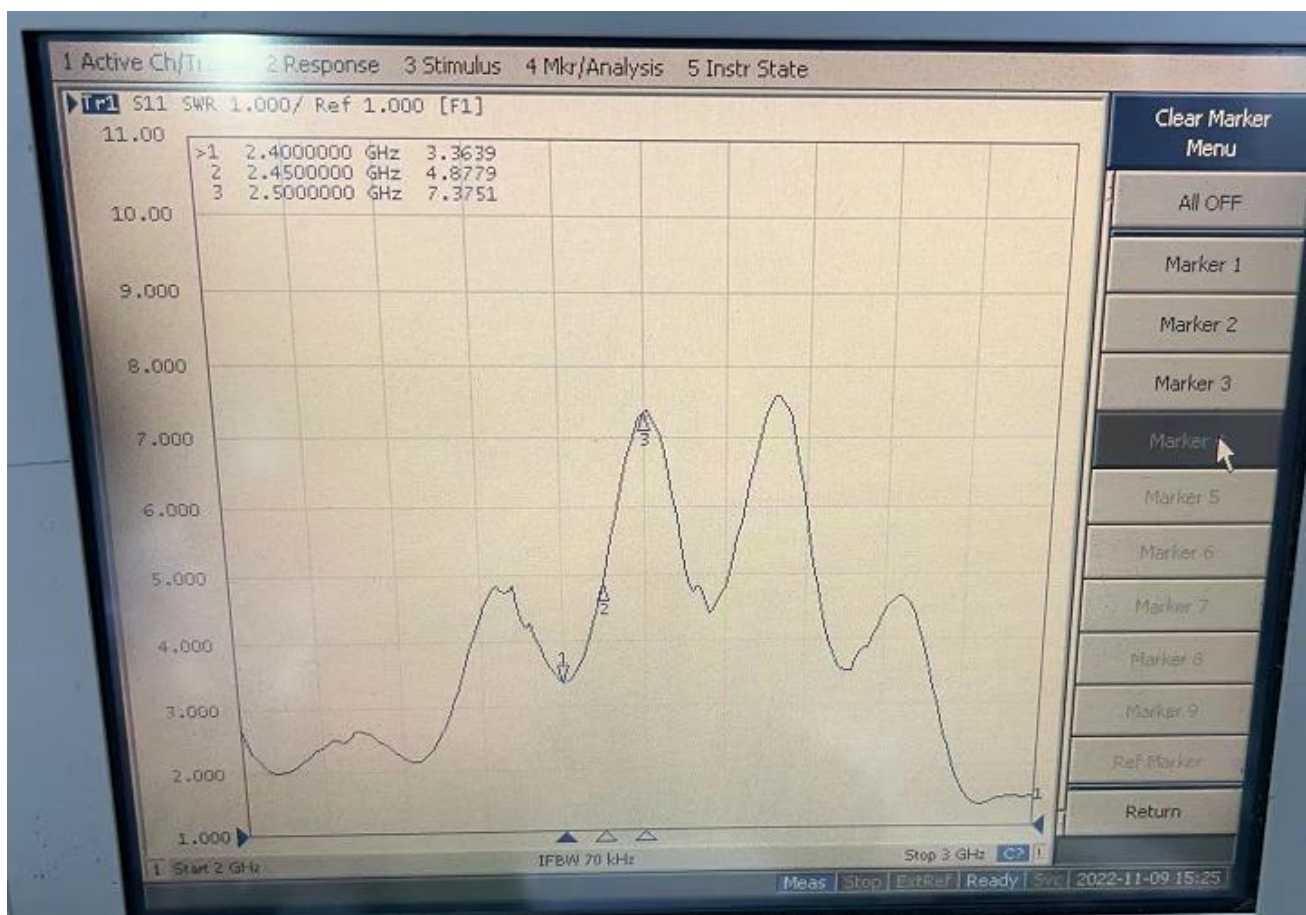
Fig.1 Antenna measured in Network Analyzer

3. S-Parameter Measurement Result S :

S-Parameter test data S-:

Frequency MHz	2400	2450	2500
DB value	3.36	4.87	7.37

S-Parameter test image S-:



Antenna profile

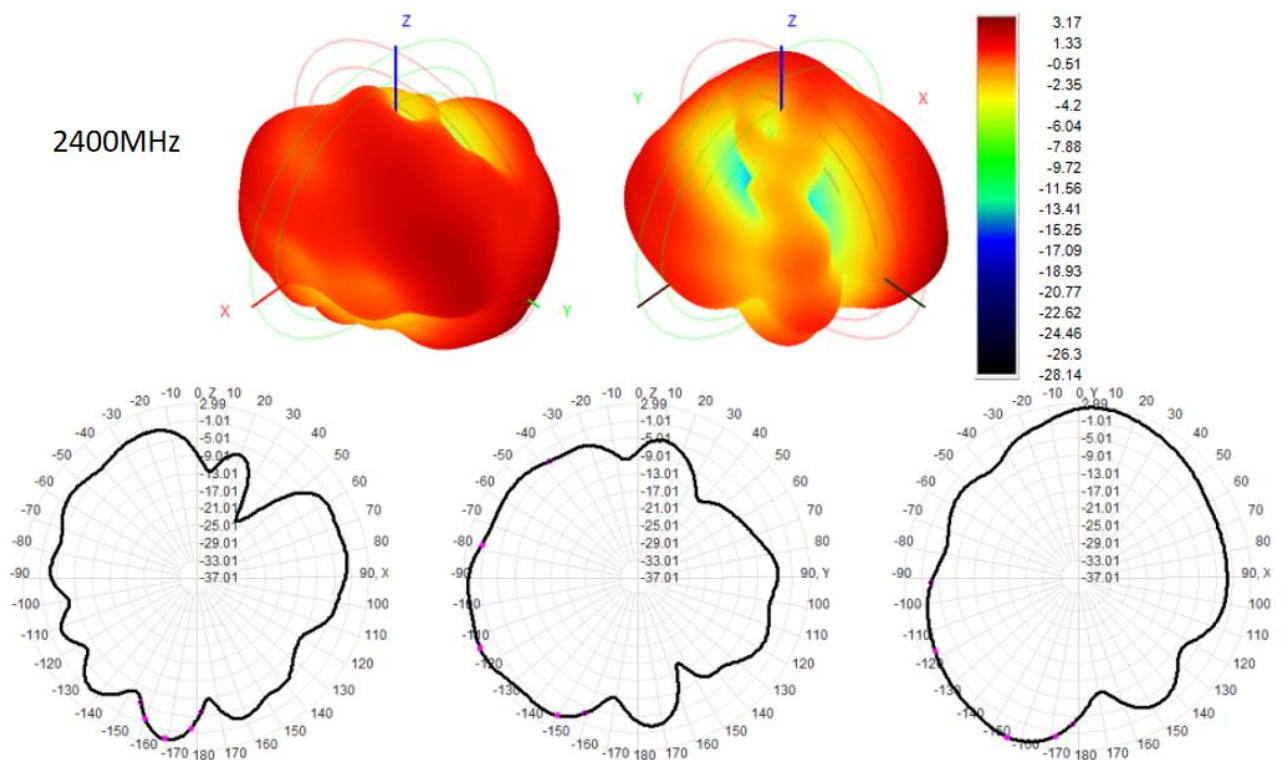


Passive value

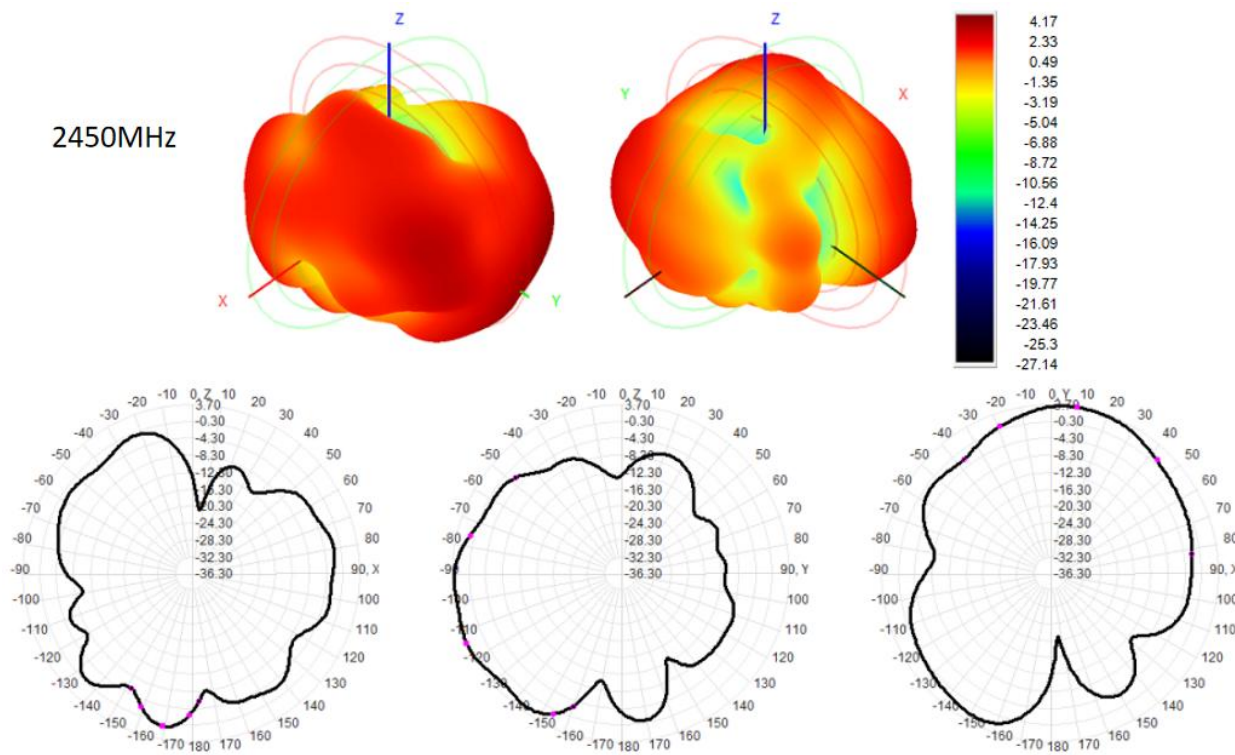
Frequency (MHz) (工作频段)	MAX Peak GAIN (dBi) (最大增益)
2400-2500	3.7

2D、3D

2400MHz



2450MHz



2500MHz

