

GB8763 Antenna test report
Antenna Type: PCB Antenna
Antenna M/N: B11

Catalogue

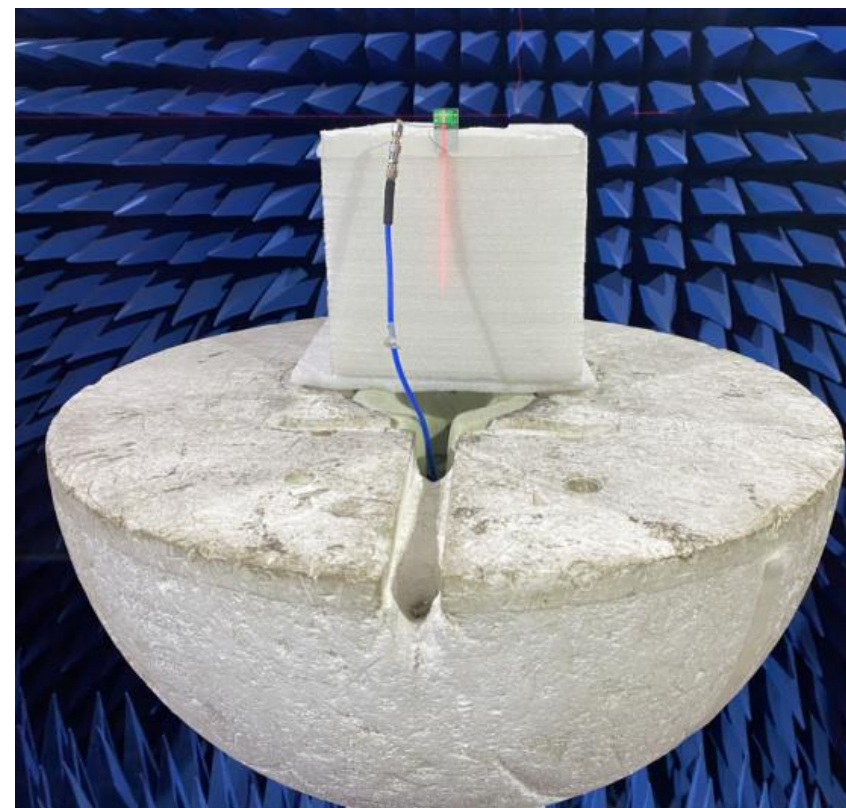
- Test site, equipment, test method
- Module physical picture
- Matching spec
- Test environment
- Antenna passive data

Test site, equipment, test method

- Site: No. 34 Shilong Avenue, Shiyan Street, Baoan District, Shenzhen City; Zhongtian Xun SATIMO SG24 darkroom
- Experimental software : Satimo.Spm Version : 1.5.5
- Standard of experiment : GB/T 9410-2008
- Table of experimental equipment

Test instrument	Manufacturer	Manufacturer	Series No.	Date of calibration	Calibration expiration date
Network analyzer	Keysight	E5071C	MY47002902	2023. 04. 20	2024. 04. 19
	Agilent	E5071C	MY46521960	2023. 04. 20	2024. 04. 19
SG24 antenna test system	SATIMO	SG24		2023. 04. 20	2024. 04. 19

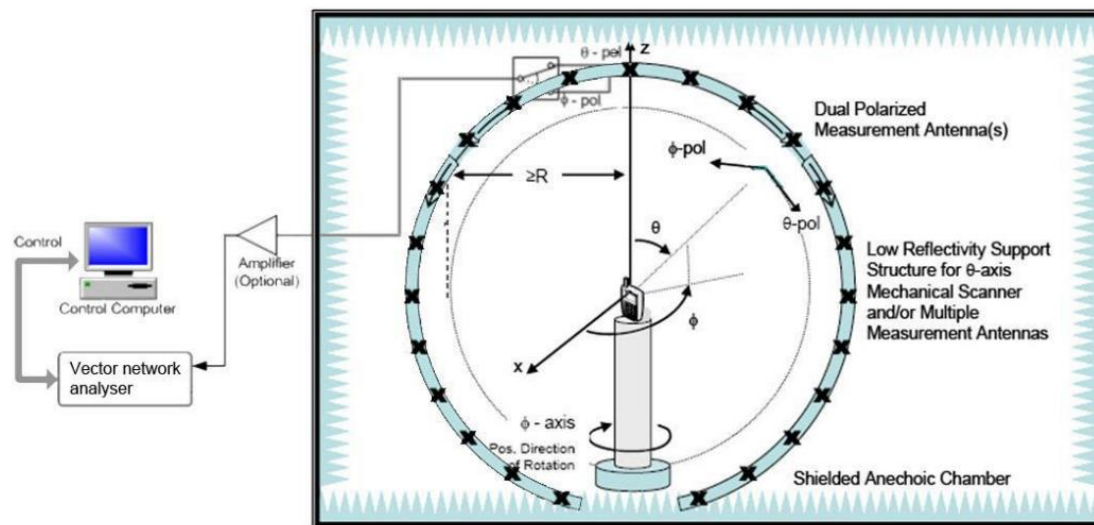
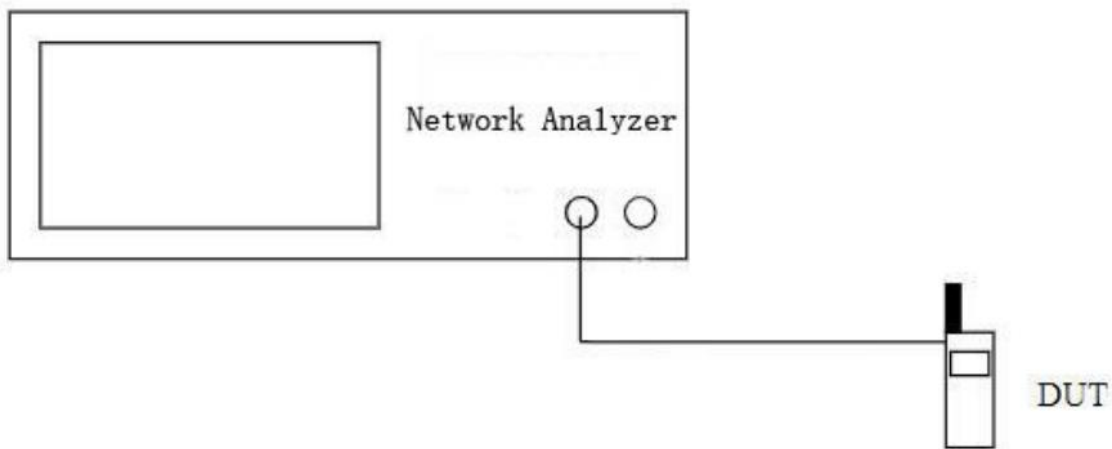
- Test setup photo
- 1. Antenna s11, s12 parameters testing :



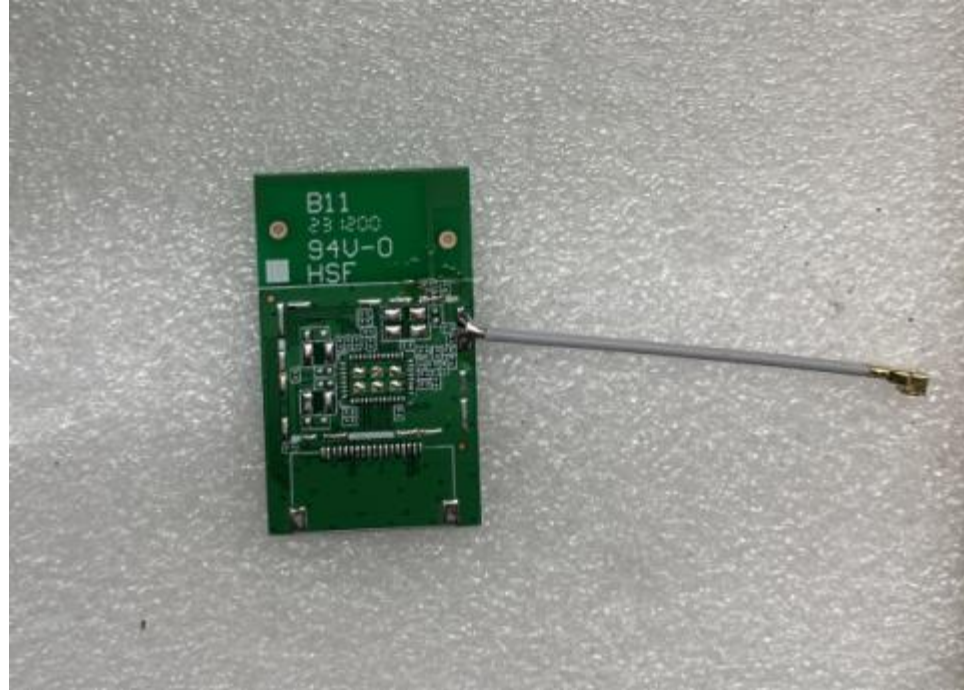
- Test program

- 1. Antenna s11, s12 parameters testing :

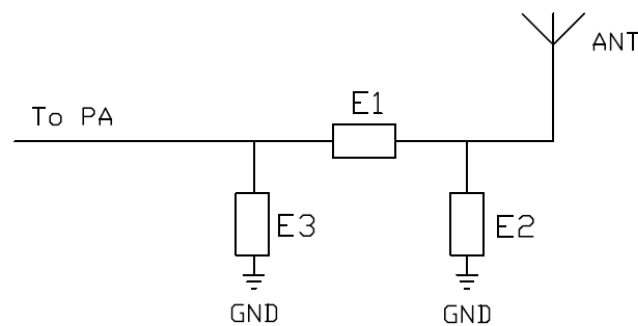
- 2. Antenna efficiency, gain and pattern test:



Module physical picture

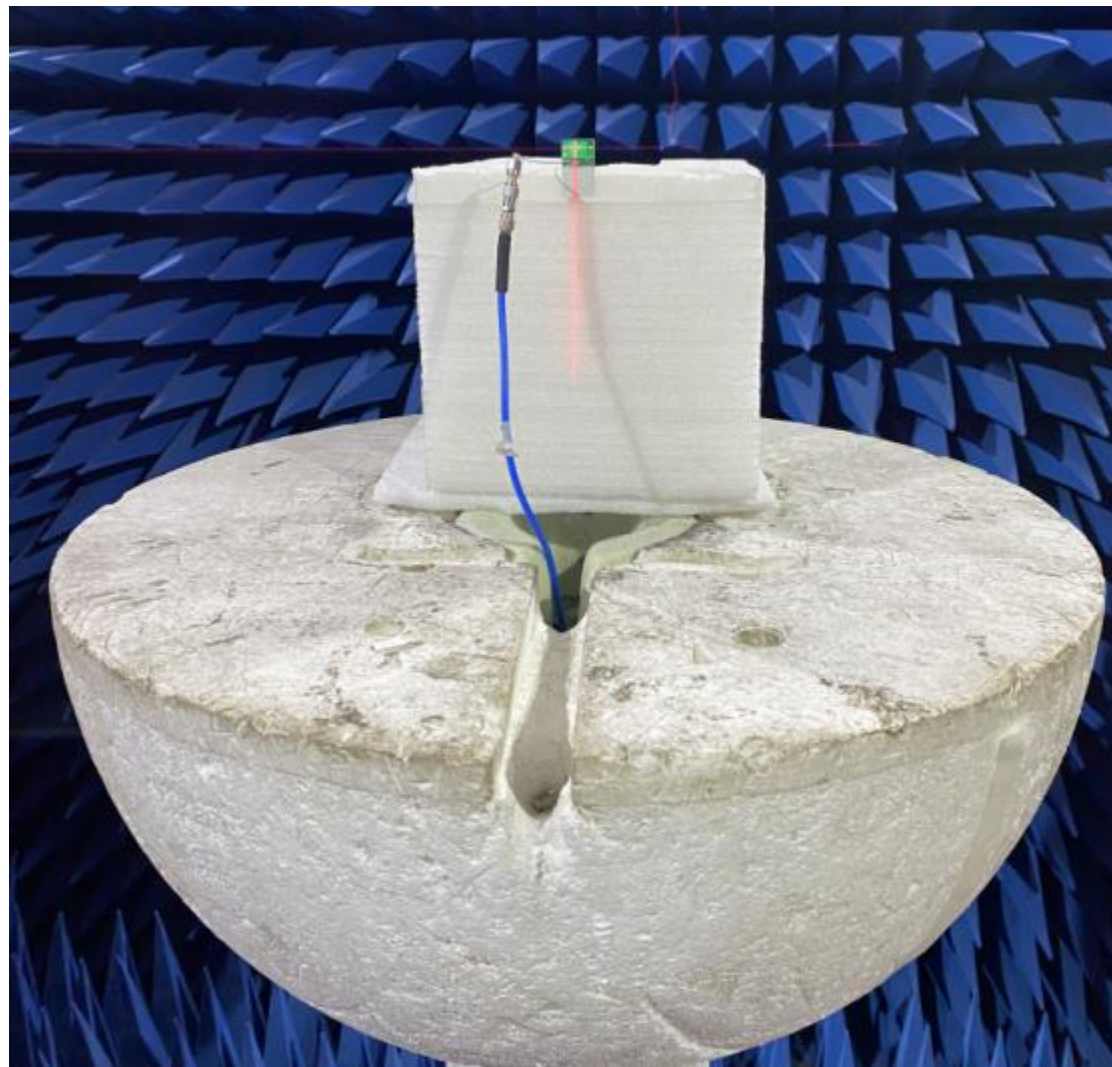
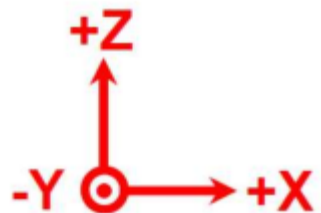


Matching spec

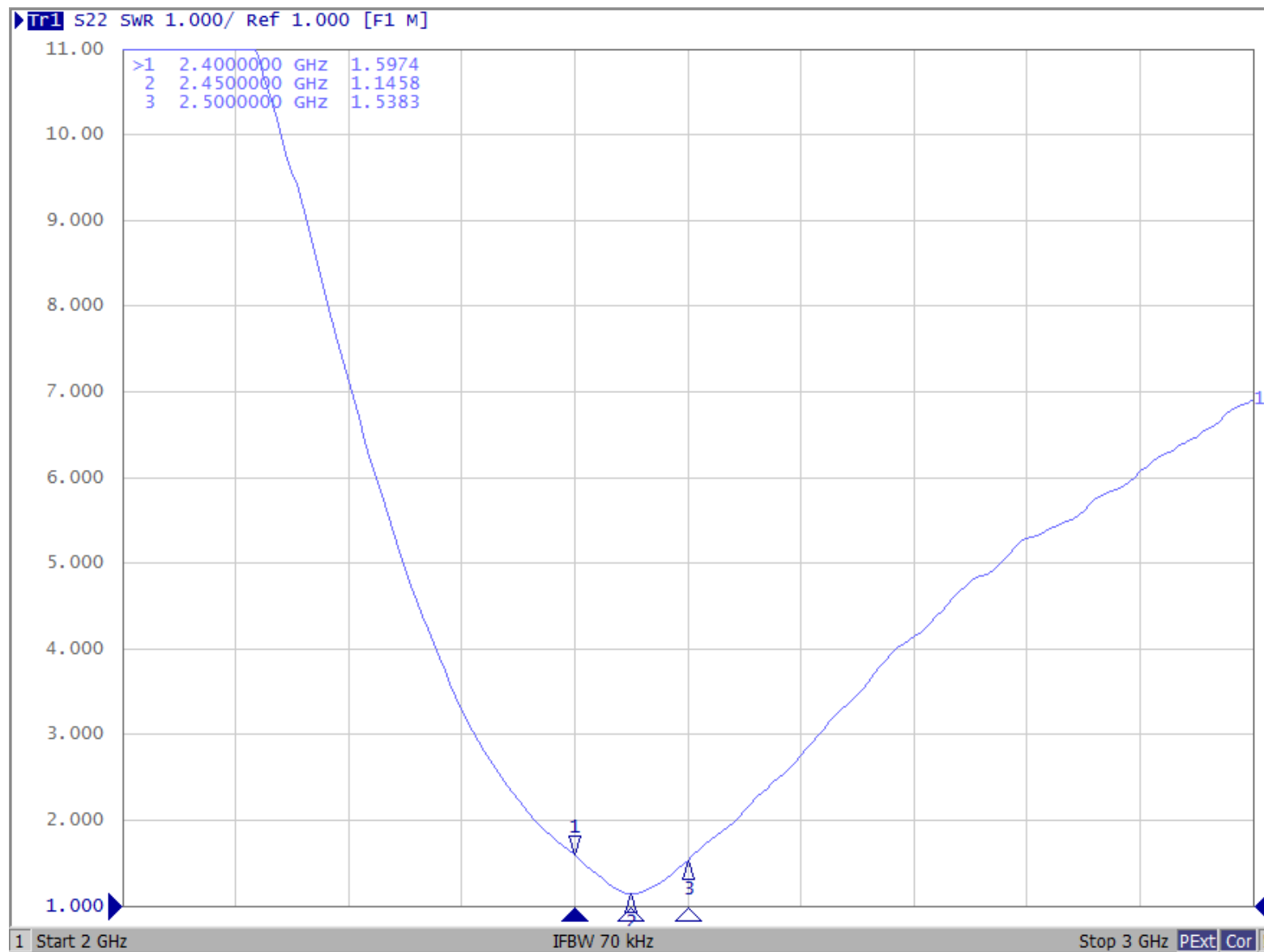


匹配说明	
E1	1.2nH
E2	NC
E3	NC

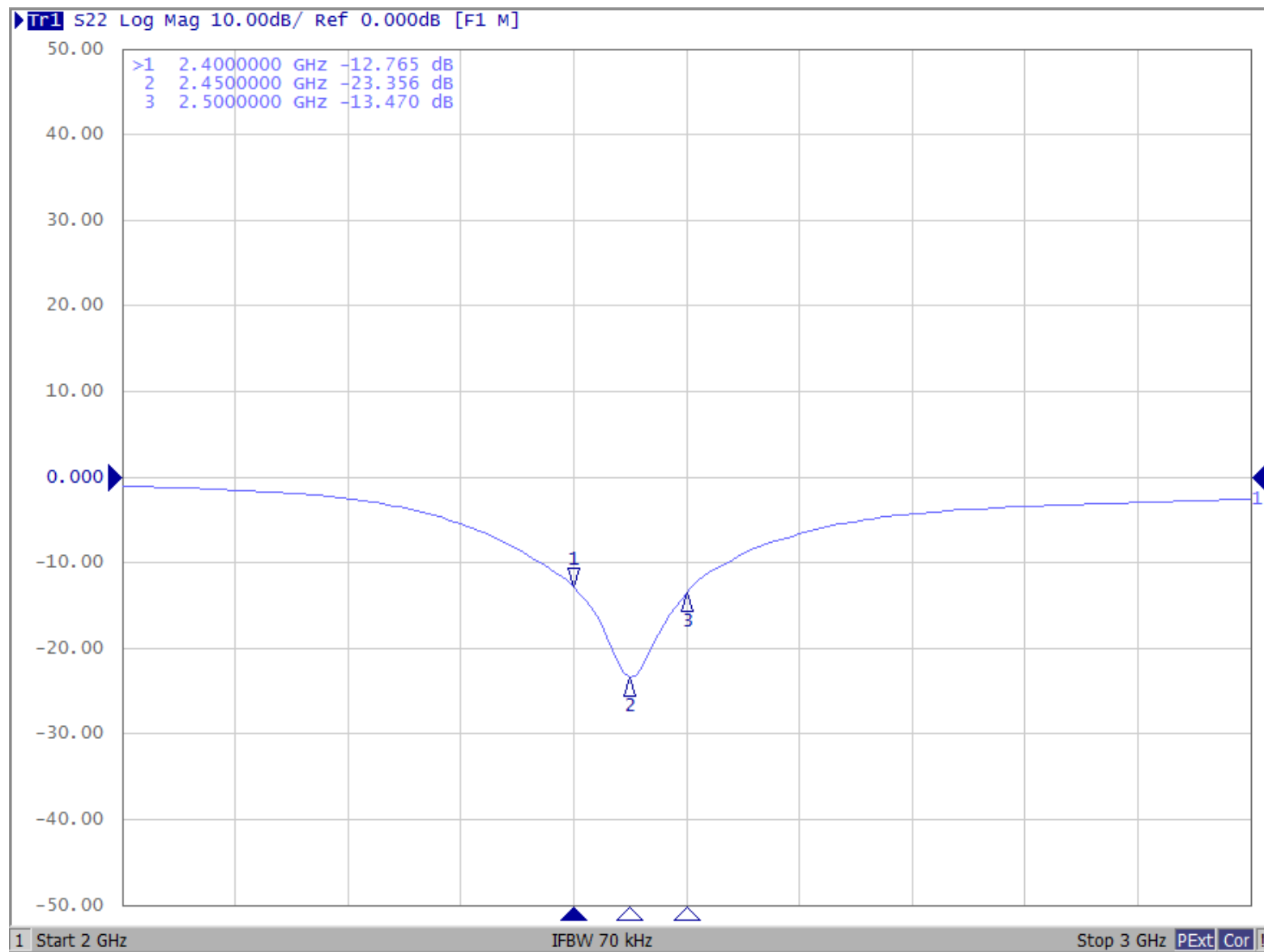
Test environment



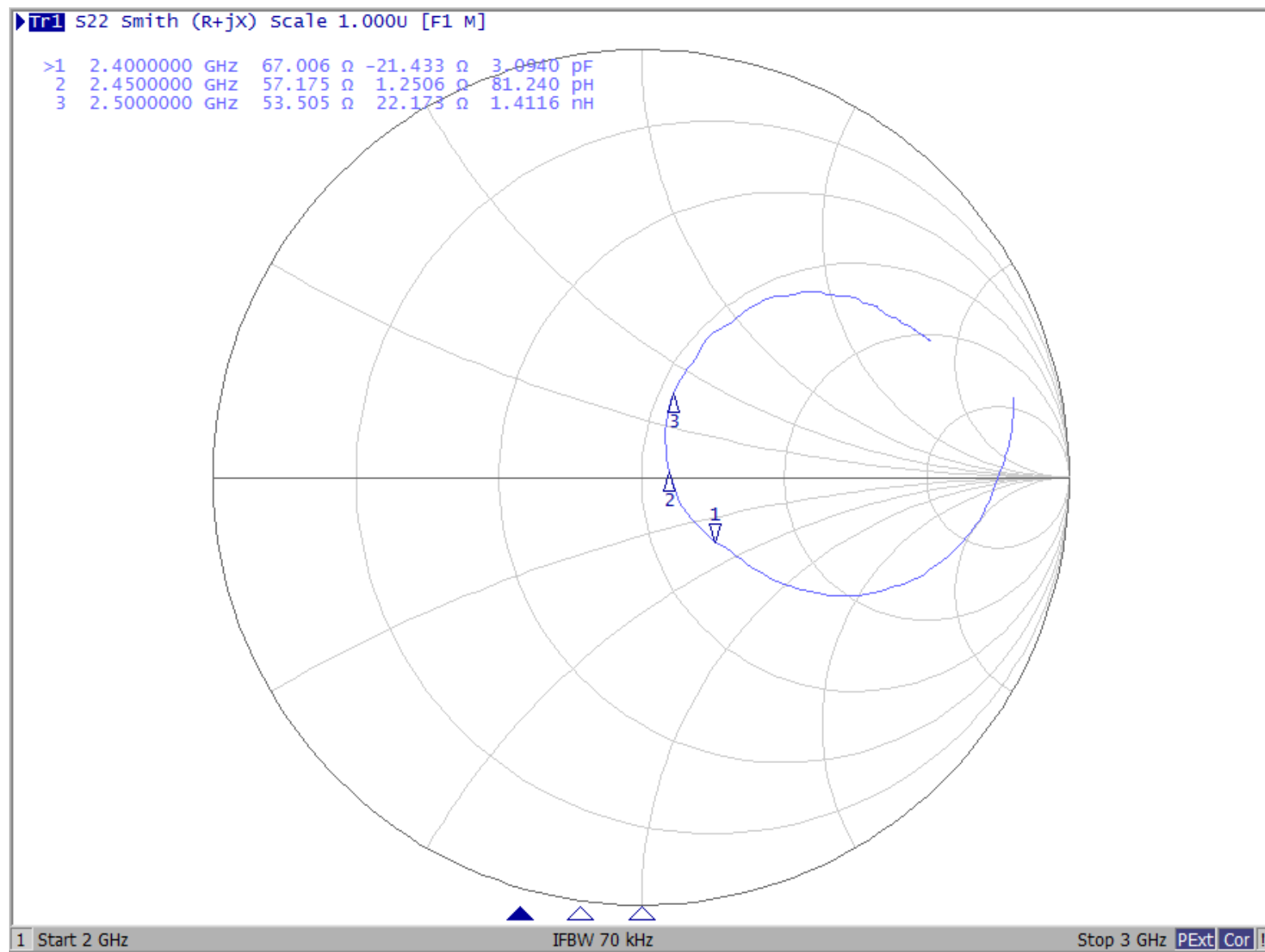
VSWR



Return loss



Smith Chart

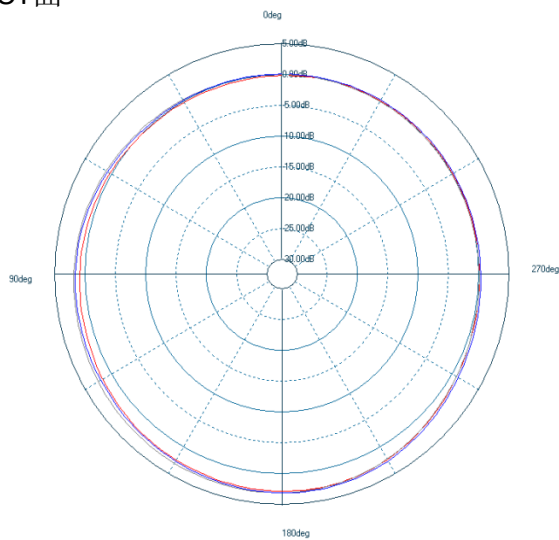


Passive Gain&Efficiency

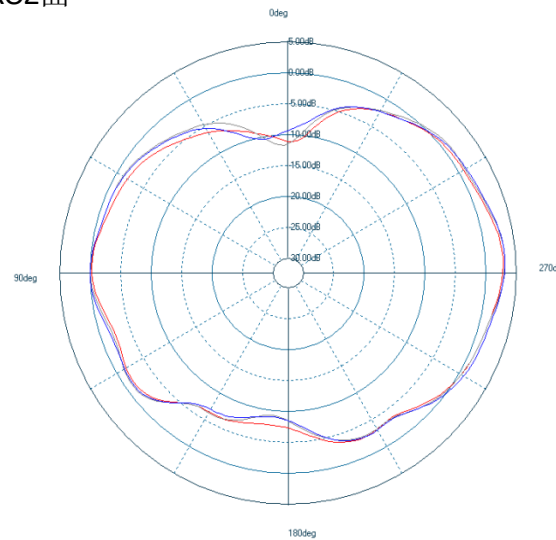
Frequency Mhz	Efficiency		Peak Gain
	%	dB	dB
2400	67.95	-1.68	2.66
2410	68.48	-1.64	2.79
2420	68.88	-1.62	2.84
2430	69.39	-1.59	3.06
2440	71.07	-1.48	3.20
2450	69.63	-1.57	2.91
2460	70.16	-1.54	2.94
2470	69.30	-1.59	3.06
2480	67.98	-1.68	3.03
2490	66.68	-1.76	2.86
2500	69.37	-1.59	2.98

Directional diagram

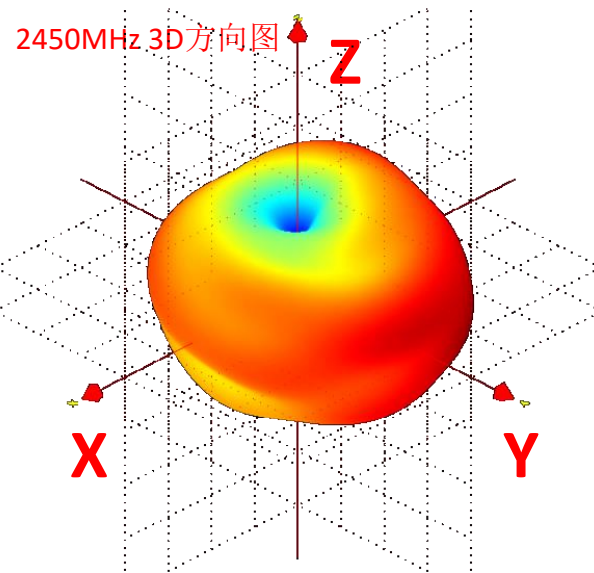
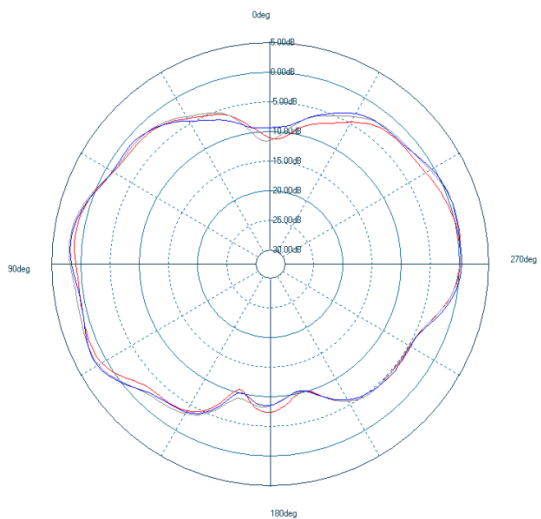
XOY面



XOZ面



YOZ面



GB8763

- 1、Antenna name : B11
- 2、Antenna Type/ Pattern : PCB Antenna
- 3、Antenna dimension figure :

