

Antenna Sample Confirmation From

Vendor Name					
Customer Name					
PR Name	2.4/5.8G-WIFI PCB				
Model	2.4/5.8GV1.0 Z-24-07				
Part P/N					
Specification	2.4/5.8G-WIFI: PCB/1.13 L60MM				
Inspection Item	Performance	Total Appearance	structure	Others	Inspection Result
Remark					
QA Audit		Engineer Audit		Sales Confirm	
The following are filled by Customer					
Customer Evaluation					
Signation/ Chapter by Customer	 date:				

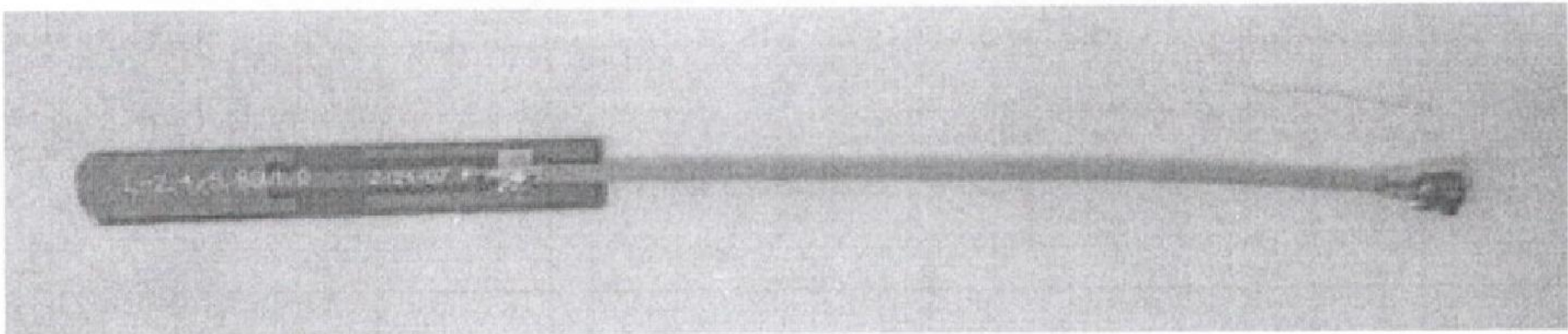
2. catalogue

1. cover
2.
.....catalogue
- 3.....SpecificationSheet
4. Finished product image
5. Specification and dimension diagram
6. Passive test diagram

3. Technical Specifications

Main technical indicators	
Model	2.4/5.8G-WIFI
Frequency Range (GHz)	2400-2500/5150-5850GHz
Characteristic Impedance(Ω)	50
SWR(dB)	2.4:<2.0/5.8<2.5
Gain(dB)	2.4:1.12/5.8:1.15
Efficiency%	30-50%
Physical properties	
Coaxial Material	1.13
Connector Model	IPXE-1
Save	-20℃~+60℃
Working Temperature	-20℃~+60℃
Material parameters	
Conductor inside the jointCIC	beryllium bronze
Joint shell JS	brass
Joint insulator JI	PTFE
Antenna PS	/

4. product image



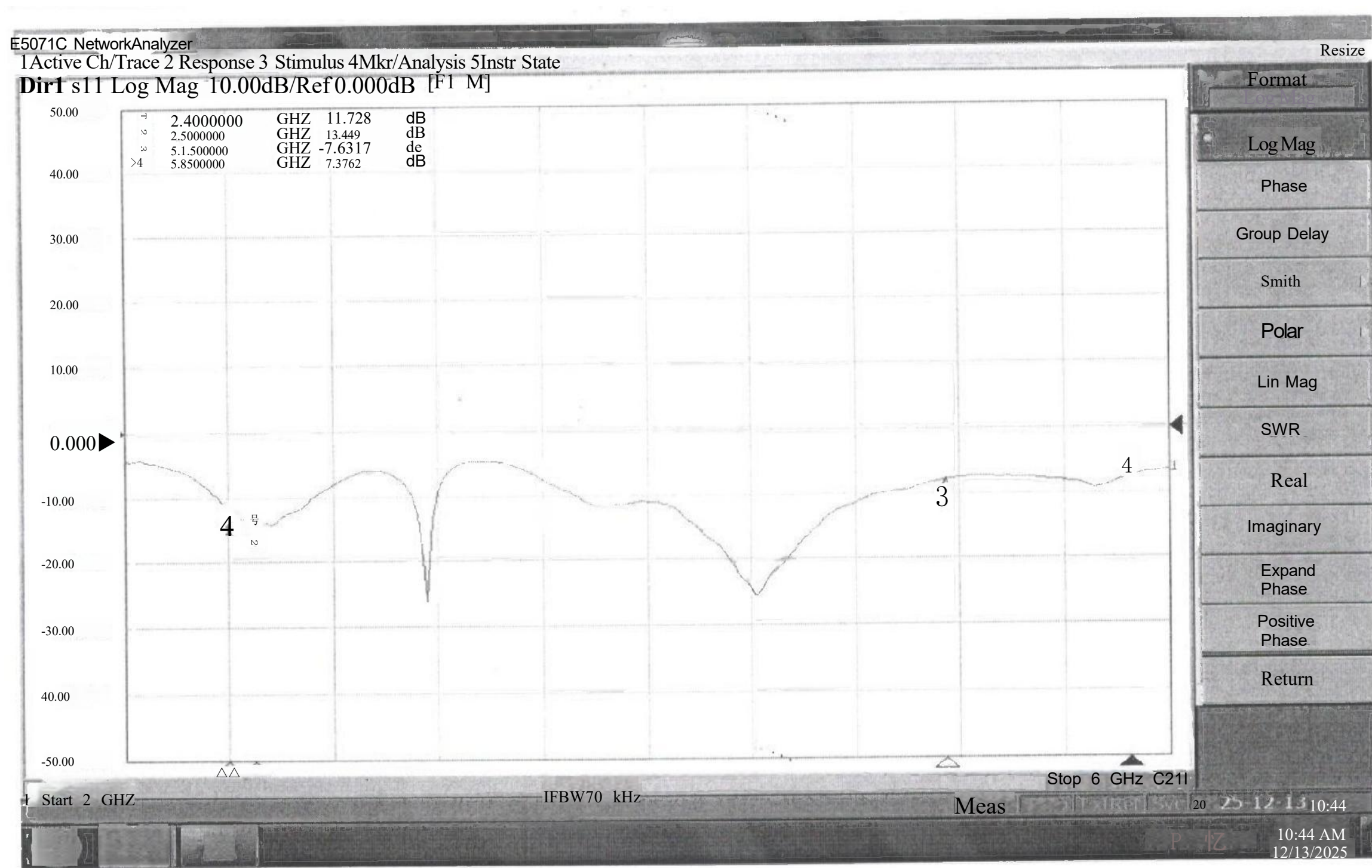
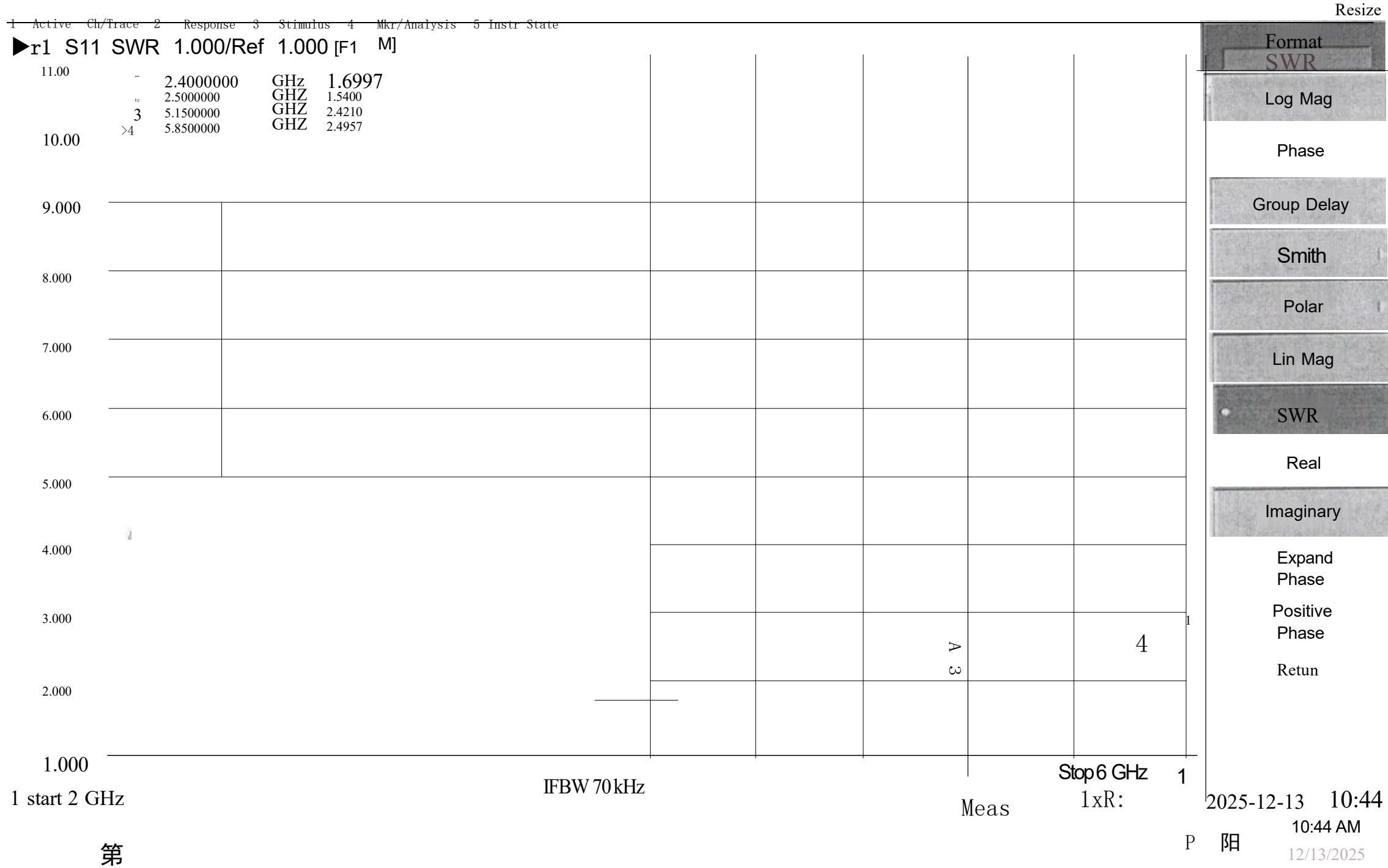
5. 规格图

A	⑥	joint	IPEX1		3			4		
	⑧	feeder	RF1.13/grey		REVISIDNS					
	A	antenna	FR-4, T=0.6mm, green		REV 1.0	DESCRIPTION SAMPLE	DATE	APPRDVED		
B										B
C										C
D	Technical Requirements: 1. Material: FR-4, T=0.6mm, double-sided board, green solder mask. 2. 1-PEX1、91.13 gray line L=60mm、Peeling 1-1-2, tin dipping 3. There should be no leakage or virtual soldering at the welding line; There should be no tin slag on the surface of the PCB. 4. The size marked with * is the key control size.				TCSDZNT 四 YTA5 7PDPID a		DIMENSIDNS ARE IN MM UNLESS ☐ THERISE NDTE]			
							TITLE 2.4/5.8G-WIFI			
					MATERPL	p7%N	DATEI 2024.	SIZE TMC No A4		REV
					JNISH	HECK2	DATEI			
					EKT A	DEJGMED	ATD	SCALE 1.:1 unitimm DF		
					3		4			

6.1Antenna standing wave/return loss test diagram

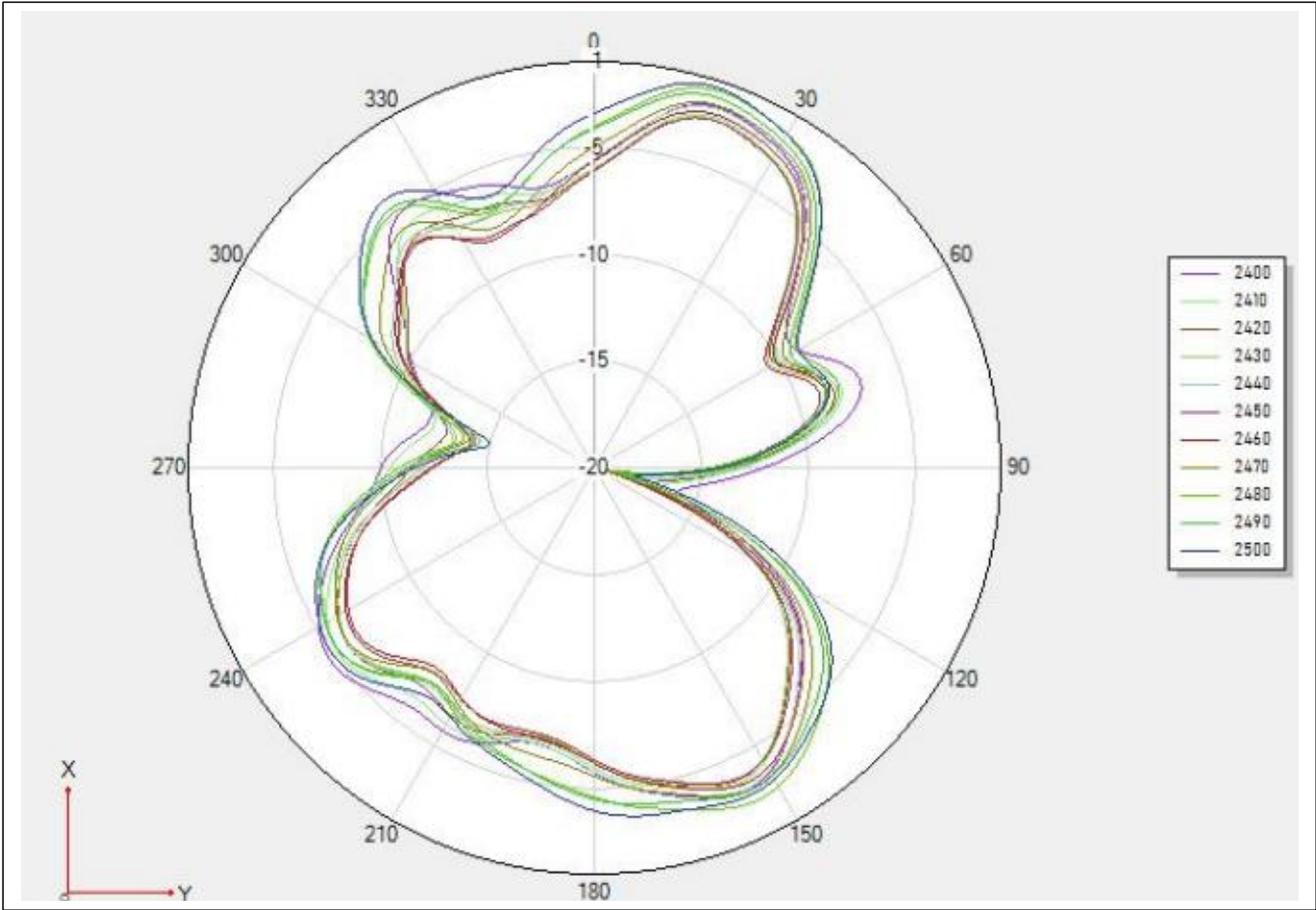
Frequency (GHz)	2400	2500	5150	5850
VSWR	1.69	1.54	2.42	2.49

E5071C Network Analyzer



6.22.4G/5.8G Passive antenna test parameter diagram

Frequency /MHz	Efficiency 1%	Gain/dB
2400	41.48	1.12
2410	40.41	1.47
2420	42.06	1.42
2430	40.76	1.54
2440	39.92	1.15
2450	36.85	0.99
2460	37.99	0.95
2470	38.84	1.33
2480	38.05	1.03
2490	36.55	1.13
2500	38.31	1.19



Frequency /MHz	Efficiency 1%	Gain/dB
5150	35.61	1.56
5220	36.33	1.06
5290	32.06	1.32
5360	38.88	1.38
5430	34.79	1.19
5500	34.58	1.54
5570	36.19	1.19
5640	32.1	1.09
5710	33.05	1.64
5780	37.59	1.46
5850	35.46	1.15

