

SPECIFICATION APPROVAL SHEET

CUSTOMER _____

CUS PART NO _____

版次:

REV

_____ X2

SPECIFICATION RF Antenna(Black)2.4-2.5GHz (SMA)

单重:

weight _____

SUP PART NO _____

SLEingA100800028-C01

DATE

2024.02.18

SUP APPROVED

APPROVED	CHECKED	QA CHECKED	DESIGNED
<i>JongRei</i>	<i>Jerry</i>	<i>LSY</i>	<i>Jerry</i>

CUS APPROVED

APPROVED	CHECKED	QA CHECKED	DESIGNED

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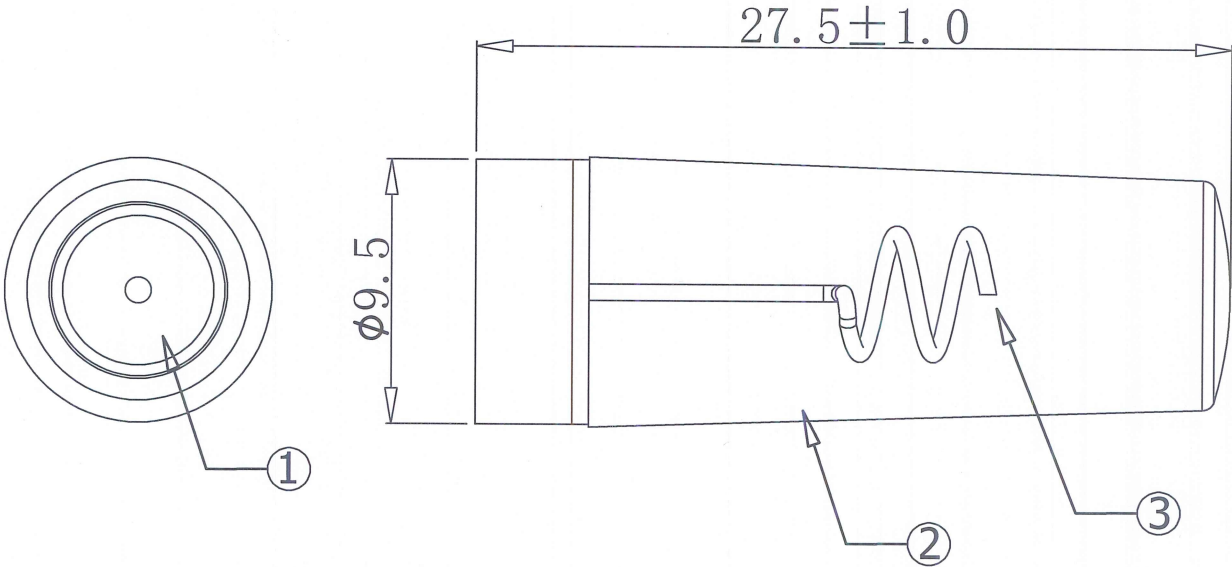
Spec Item

NO.	Project	Remark	Page
1	Spec Cover		1
2	MODIFICATION RECORD SHEET		2
3	Spec Item		3
4	Drawing		4
5	Test Reports		5
6	S Parameter Test		6-7
7	Test Setup		8
8	Patten		9
9	Test Efficiency		10

Give clear indication of:

1. The contents of the acknowledgement shall be arranged in order according to the items in the check sheet.
2. The number of copies of the acceptance letter shall be printed according to the customer's requirements, and the SGS report shall be stamped with the engineering seal.
3. All materials shall be confirmed by the customer. Any material/process/changes that may affect product quality and environmental quality must be re-sent to the customer for confirmation before import.
4. SGS report is valid for one year.
5. According to the contents attached to the actual acknowledgement, check the check form: "Yes" is provided, "no" is provided according to customer requirements.

REV.	CONTENT	DATE
X1	First Sample	2024. 01. 08
X2	Update the antenna internal spring	2024. 01. 20



Specification:
Frequency Rang:2.4~2.5GHz
Return Loss:-8dB or less
VSWR:2.3 Max

					SLEing® DONGGUAN SLEing INTEL-TECH CO.,LTD			CUSTOMER			
								PART NO			
						TOLERANCE UNLESS OTHERWISE SPECIFIED	TITLE		WIFI Antenna		
							S. L P/N		SLEingA100800028-C01		
3	Spring	OD05.0*00.6*L14.8mm		1	UNIT:mm	ANGLES ±0.5°	X. ±0.3	SIZE	DRAWN	CHECKED	APPROVED
2	Antenna Cap	TPE, Color:Black		1	SHEET: 1/1	.XX ±0.05	XX. ±0.5	A4	Jerry		Jerry 工程部
1	Connector	SMA Straight Plug (Male head male needle)		1	SCALE: 1/1		XXX. ±2.0				
NO	PART NAME	DESCRIPTION	REMARK	Q' TY							
8		7	6	5	4		3	2		1	



DONGGUAN SLEing INTEL-TECH CO., LTD

Test Reports

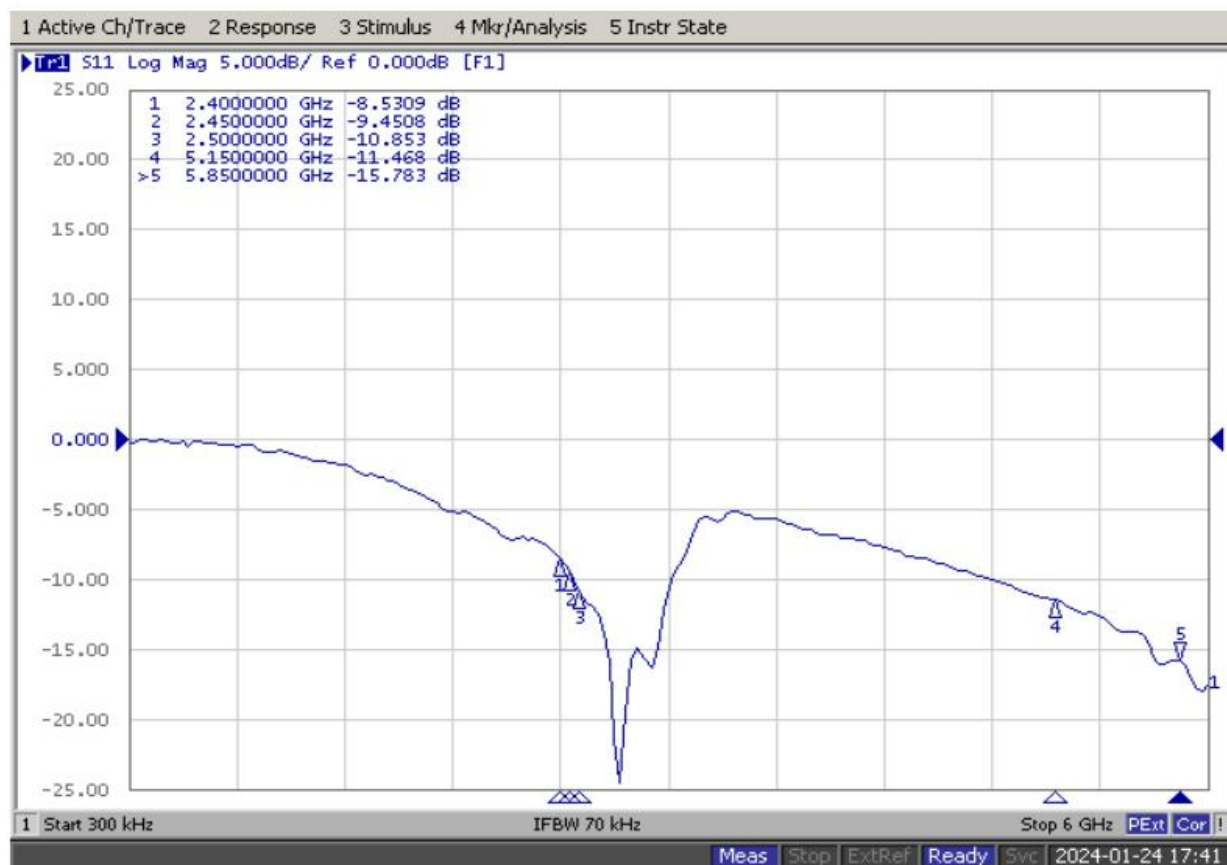
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.3Max
Return Loss	-8dB Max
Radiation	Omni-directional
Gain(Peak)	3.64dBi
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	SMA
Physical Properties	
Antenna Material	TPE
Antenna Color	Black
Operating Temp	-25°C-+75°C
Storage Temp.	-25°C-+75°C

S Parameter Test

Agilent E5071C Network Analyzer



RF Antenna (Return Loss)

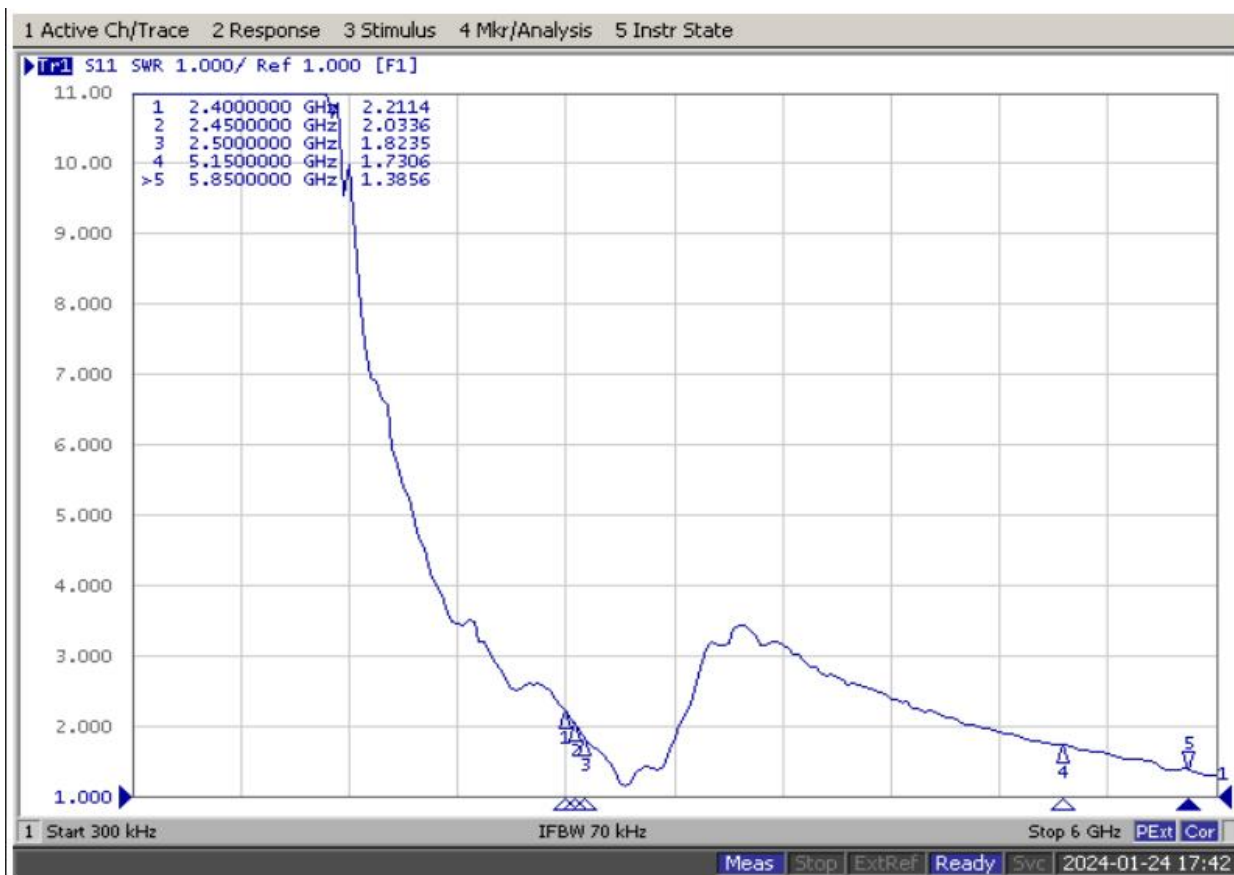


S Parameter Test

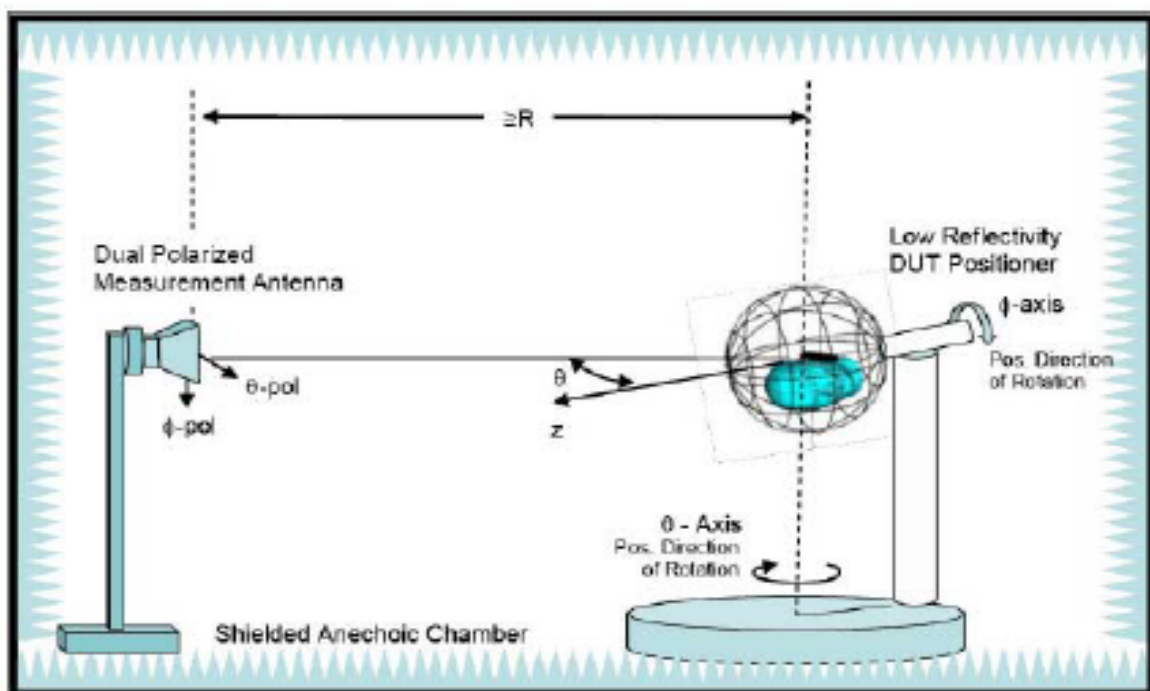
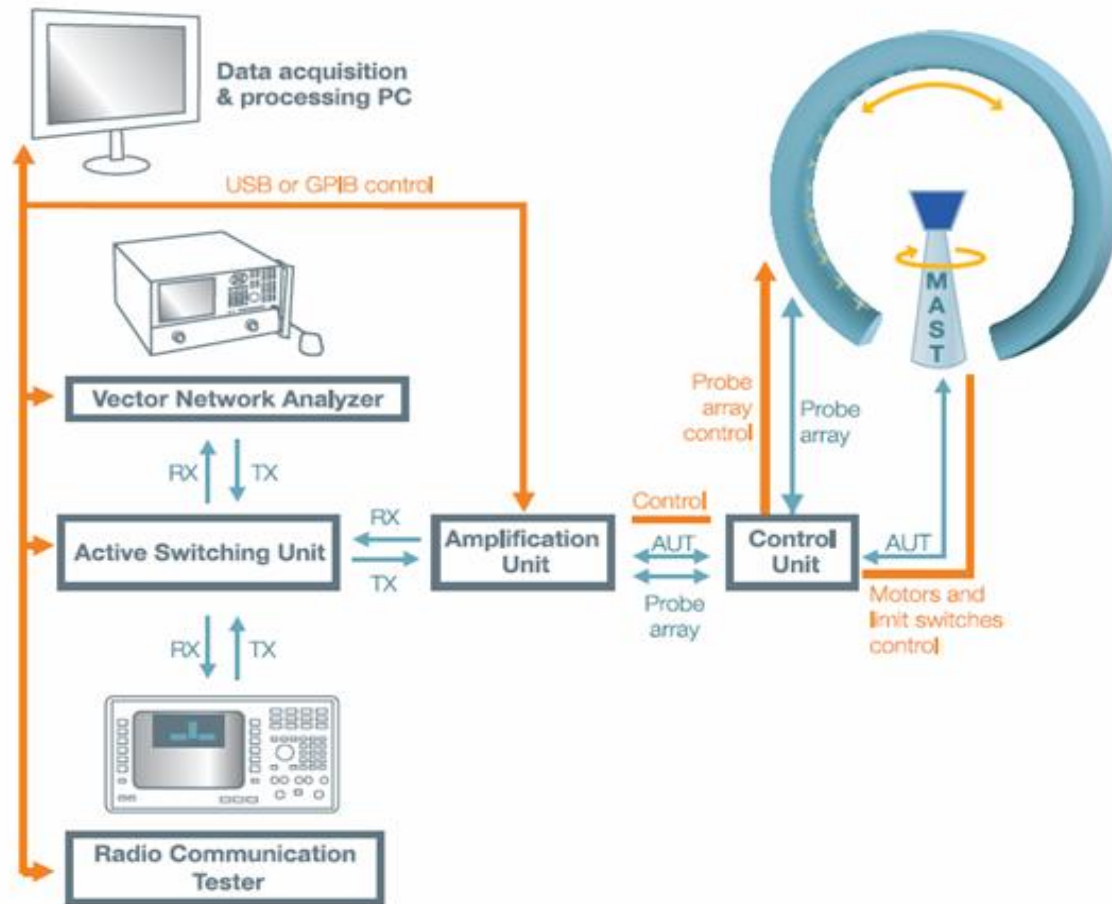
Agilent E5071C Network Analyzer



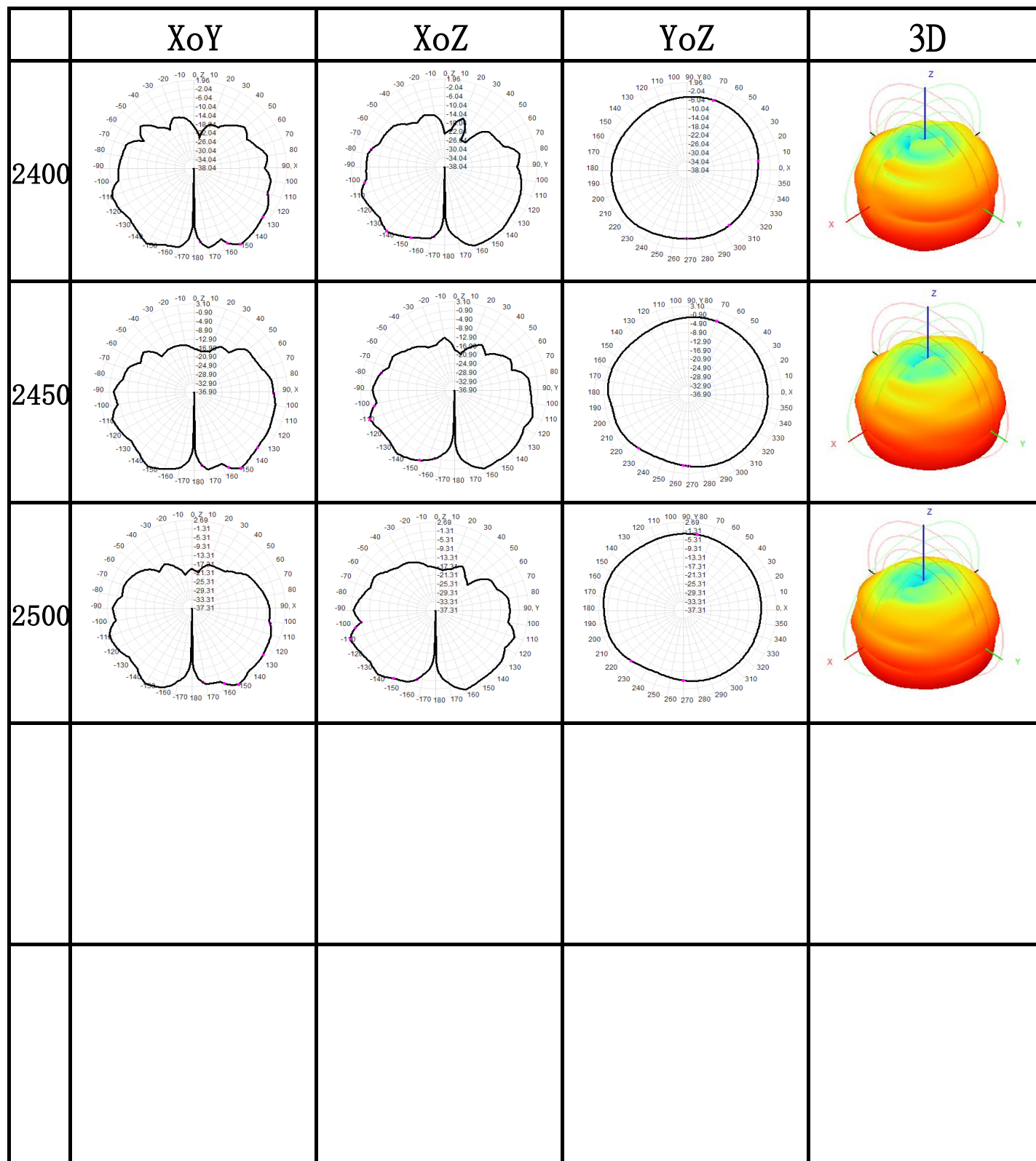
RF Antenna (VSWR)



Test Setup



Patten





DONGGUAN SLEing INTEL-TECH CO.,LTD

Test Efficiency

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	2.60	3.28	3.14	3.25	3.40	3.38	3.64	3.34	3.39	2.81	3.02
Efficiency (%)	39.01	42.77	45.28	47.08	49.97	49.69	48.70	47.59	46.71	44.41	46.00