



GUANGDONG SLEING COMM-TECH CO., LTD

SPECIFICATION APPROVAL SHEET

CUSTOMER _____

CUS PART NO _____ REV _____ X1

SPECIFICATION _____ 2.4-2.5GHz
WIFI Antenna L=90mm(Ø1.13+MHF) weight _____

SUP PART NO _____ SLEingB250470090

DATE _____ 2025.01.02

SUP APPROVED

APPROVED	CHECKED	QA CHECKED	DESIGNED
JONGREI	HZH	LSY	XIANG

CUS APPROVED

APPROVED	CHECKED	QA CHECKED	DESIGNED

GUANGDONG SLEING COMM-TECH CO., LTD

Room 402, No. 6 Plant, Accelerator of Modern Enterprise, No. 24 Industry East Road
Songshanlake District, Donguan City, Guangdong Province, China.

Tel: +86-076989208968

Fax: +86-0769-89208969

www.sleing.com

GUANGDONG SLEING COMM-TECH CO., LTD

RECORD SHEET

[illegible]



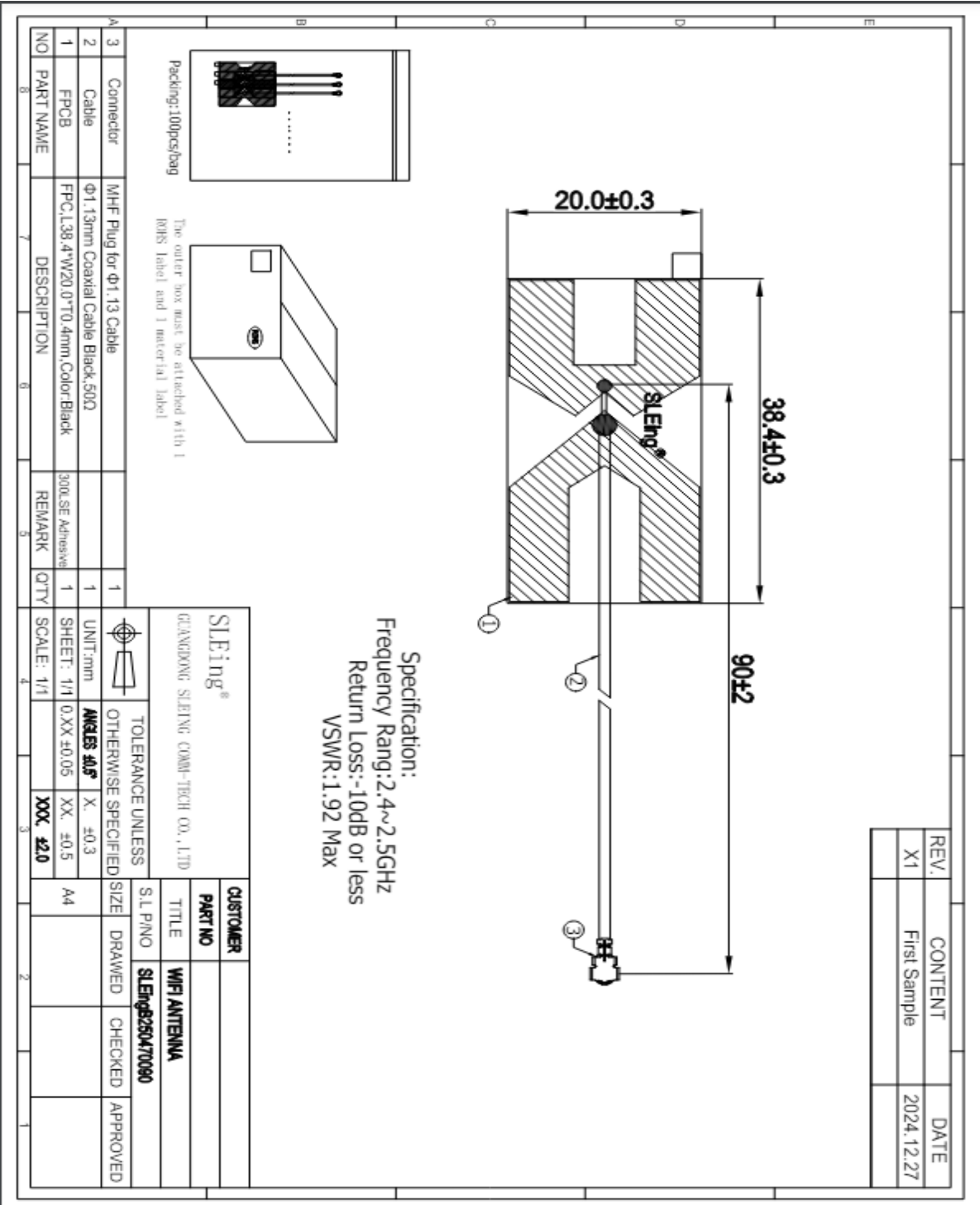
Spec Item

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	Test Setup		7
8	Test Efficiency		8
9	Test TRP/ TIS		8

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.

Drawing





GUANGDONG SLEING COMM-TECH CO., LTD

Test Reports

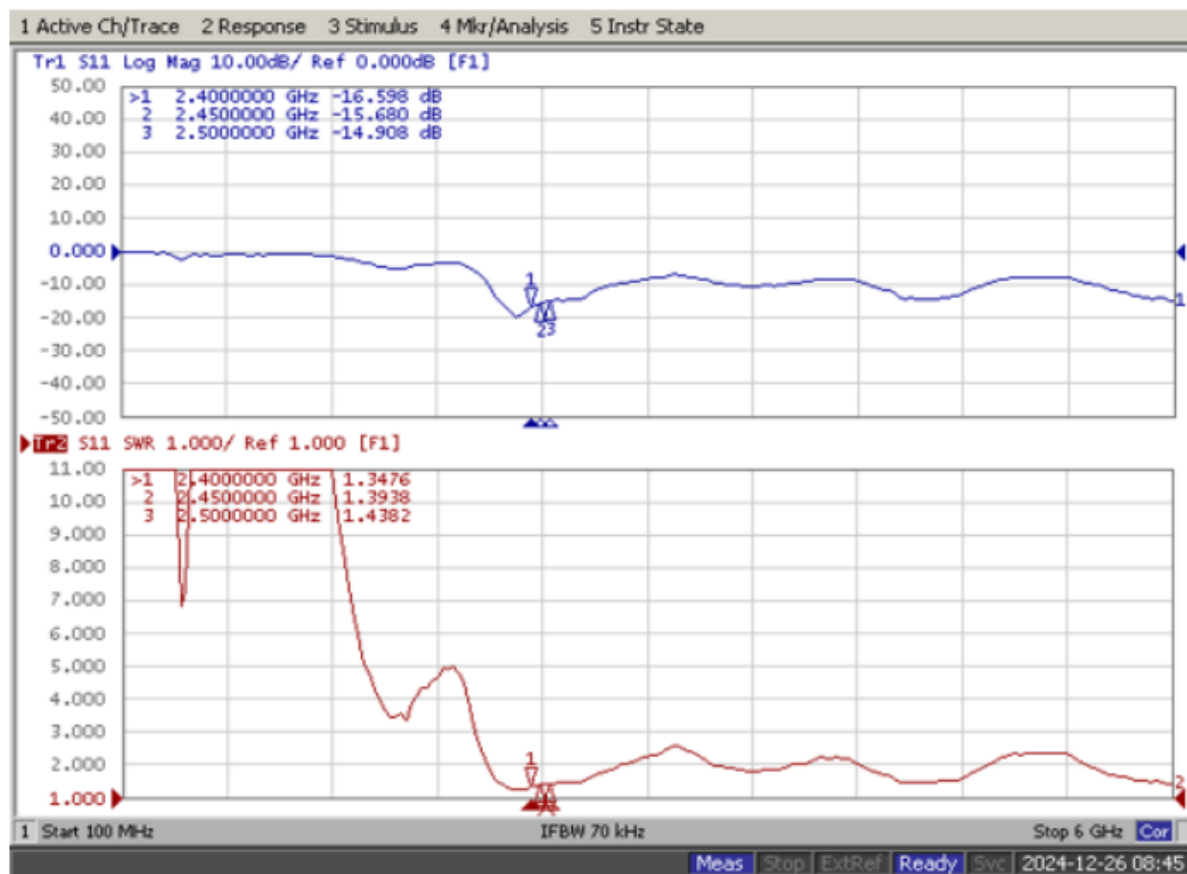
Electrical Properties	
Frequency	2.4-2.5 GHz
Impedance	50 Ohm Nominal
V.S.W.R	≤ 1.92
Return Loss	-10dB Max
Radiation	Omni-directional
Gain (Peak)	2.57 dBi
Polarization	Linear, Vertical
Admitted Power	2 W
Connector	MHF
Physical Properties	
Antenna Material	FPC
Cable Type	$\Phi 1.13$ mm Black
Operating Temp	-40°C-85°C
Storage Temp.	-5°C-30°C

S Parameter Test

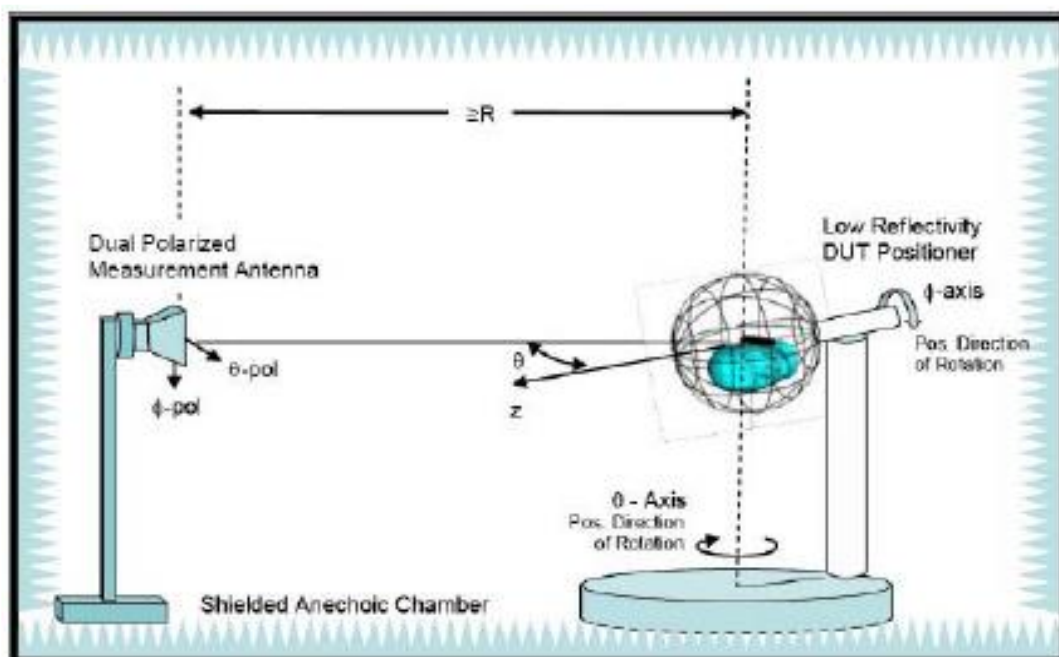
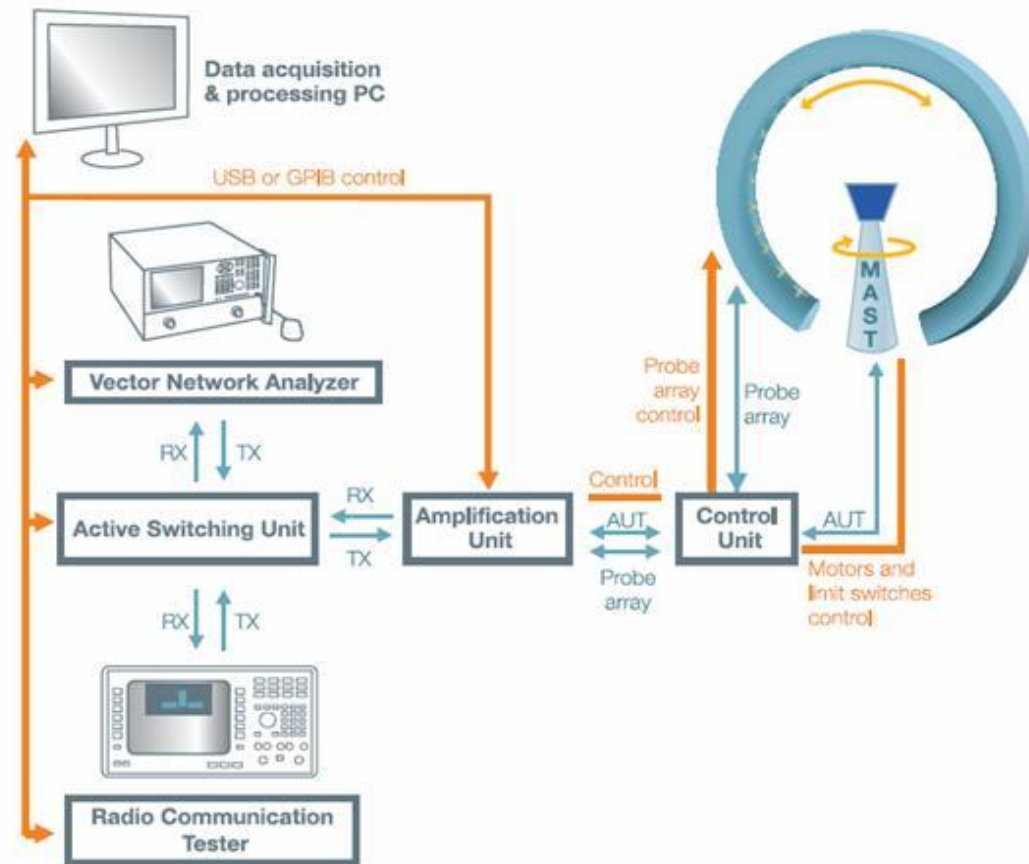
Agilent E5071C Network Analyzer



RF Antenna (Return Loss/VSWR)



Test Setup



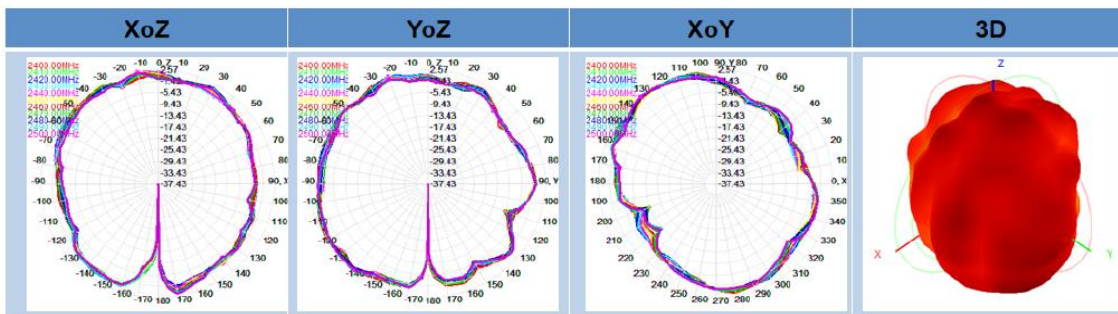


GUANGDONG SLEING COMM-TECH CO., LTD

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)	2.29	2.39	2.57	2.54	2.24	2.11	2.42	2.28	2.36	2.31	2.15
Efficiency (%)	71.63	68.69	67.41	66.40	63.68	63.36	64.42	64.50	65.13	67.50	66.27

Patten



Test TRP/ TIS

WLAN Whole Band TRP (dBm) **15.26**
WLAN Whole Band TIS (dBm) **-87.48**

	Channel No.	Freq. (MHz)	TRP (dBm)	TIS (dBm)
Phone Tx (Uplink Path)	1	--	15.28	--
	6	--	15.34	--
	11	--	15.18	--
Phone Rx (Downlink Path)	1	--	--	-88.23
	6	--	--	-87.25
	11	--	--	-86.98

A9092R-10K
11b-11M

WLAN Whole Band TRP (dBm) **13.41**
WLAN Whole Band TIS (dBm) **-71.72**

	Channel No.	Freq. (MHz)	TRP (dBm)	TIS (dBm)
Phone Tx (Uplink Path)	1	--	13.89	--
	6	--	13.12	--
	11	--	13.24	--
Phone Rx (Downlink Path)	1	--	--	-71.58
	6	--	--	-71.55
	11	--	--	-72.05

A9092R-10K
11g-54M

WLAN Whole Band TRP (dBm) **13.24**
WLAN Whole Band TIS (dBm) **-68.71**

	Channel No.	Freq. (MHz)	TRP (dBm)	TIS (dBm)
Phone Tx (Uplink Path)	1	--	13.53	--
	6	--	13.07	--
	11	--	13.12	--
Phone Rx (Downlink Path)	1	--	--	-68.73
	6	--	--	-68.46
	11	--	--	-68.95

A9092R-10K
11n-MCS7