



WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)

DONGGUAN AEON TECH CO.,LTD.(CHINA)

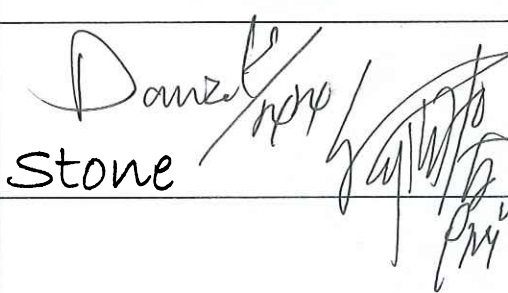
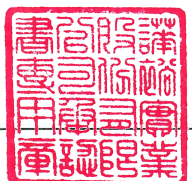
SPECIFICATION FOR APPROVAL

CUSTOMER:

遠宇

W. Y. P/NO.: C1295-510010-A(SRF20241629)

REV.: X2

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :	 Stone	
DATE :		

WHA YU GROUP

WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)

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廠牌:WHA YU Group
型號:C1295-510010-A
型式: PCB Antenna
增益值：WLAN 2.4G:0.2dBi

RF Antenna Assembly

Specification

1. Electrical Properties : With housing/With Cable loss

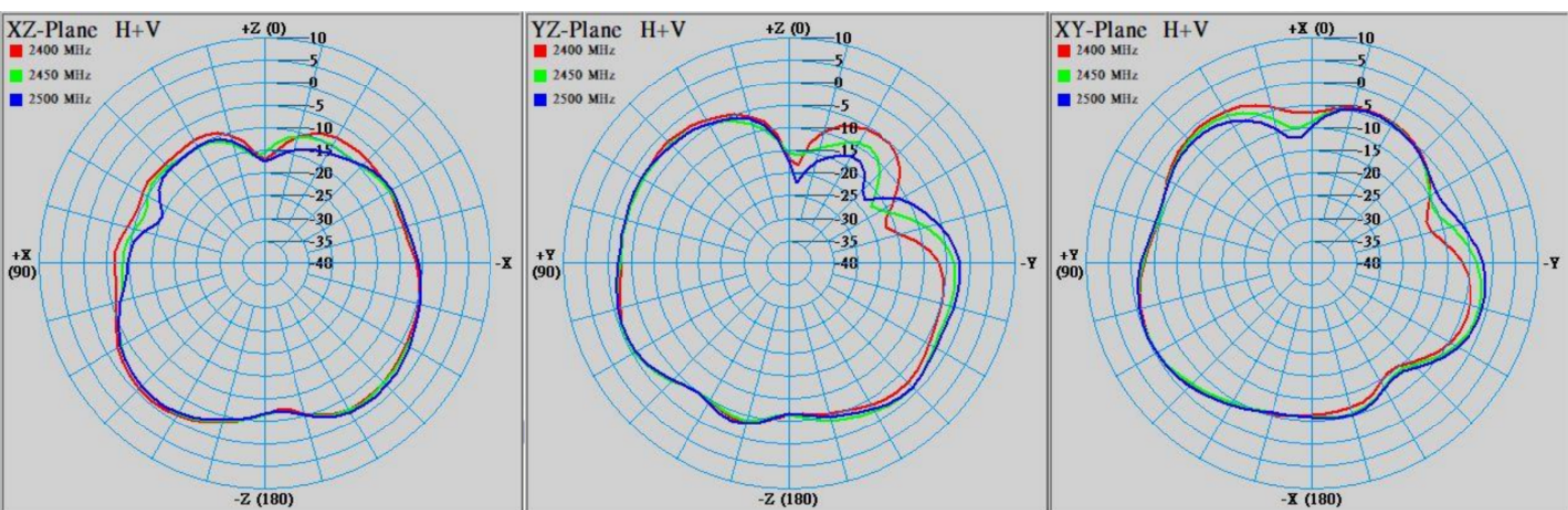
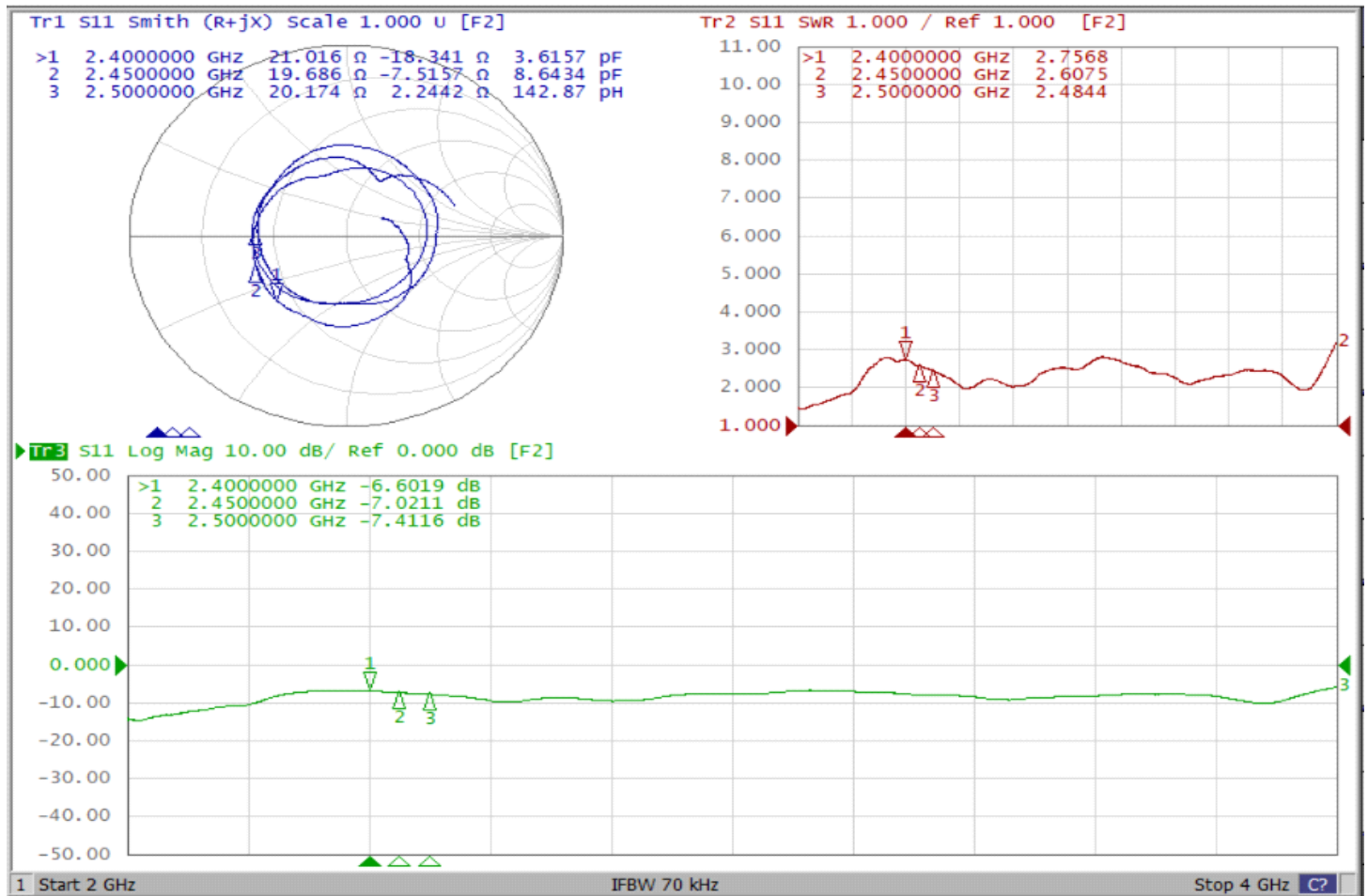
1.1 Frequency Range.....	2400-2500MHz
1.2 Impedance	50Ω Nominal
1.3 VSWR	4.5: 1 Max.
1.4 Return Loss.....	4.44 dB Min.
1.5 Radiation	Omni-directional
1.6 Peak Gain.....	0.2 dBi
1.7 Cable Loss.....	0.24 dB Max
1.8 Polarization.....	Linear
1.9 Admitted Power	1W
1.10 Cable.....	1.13 Coaxial Cable
1.11 Connector.....	I-PEX 4L MHF Connector

2. Physical Properties :

2.1 Operating Temp.	-10°C ~ +60°C
2.2 Storage Temp.	-10°C ~ +70°C

RF Antenna Assembly

P/No. C1295-510010-A Spec:2.4~2.5GHz VSWR: 3.0



SRF20241325

Antenna Specification

Version: V 1.02

Released Date: 2024/7/23

Prepared By: Leo

Reviewed By: Stone

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- 1 Test Setup for Radiation Pattern Measurement
- 1 2D Radiation Pattern Results
- 1 Results Summary (return loss, peak gain, efficiency)

Revision History

Released Date	Version	Record
2023/12/07	1.01	Antenna Testing Report (IPEX I)
2024/7/23	1.02	Antenna Testing Report (IPEX 4L)

Specification

Requirements of Antenna Design

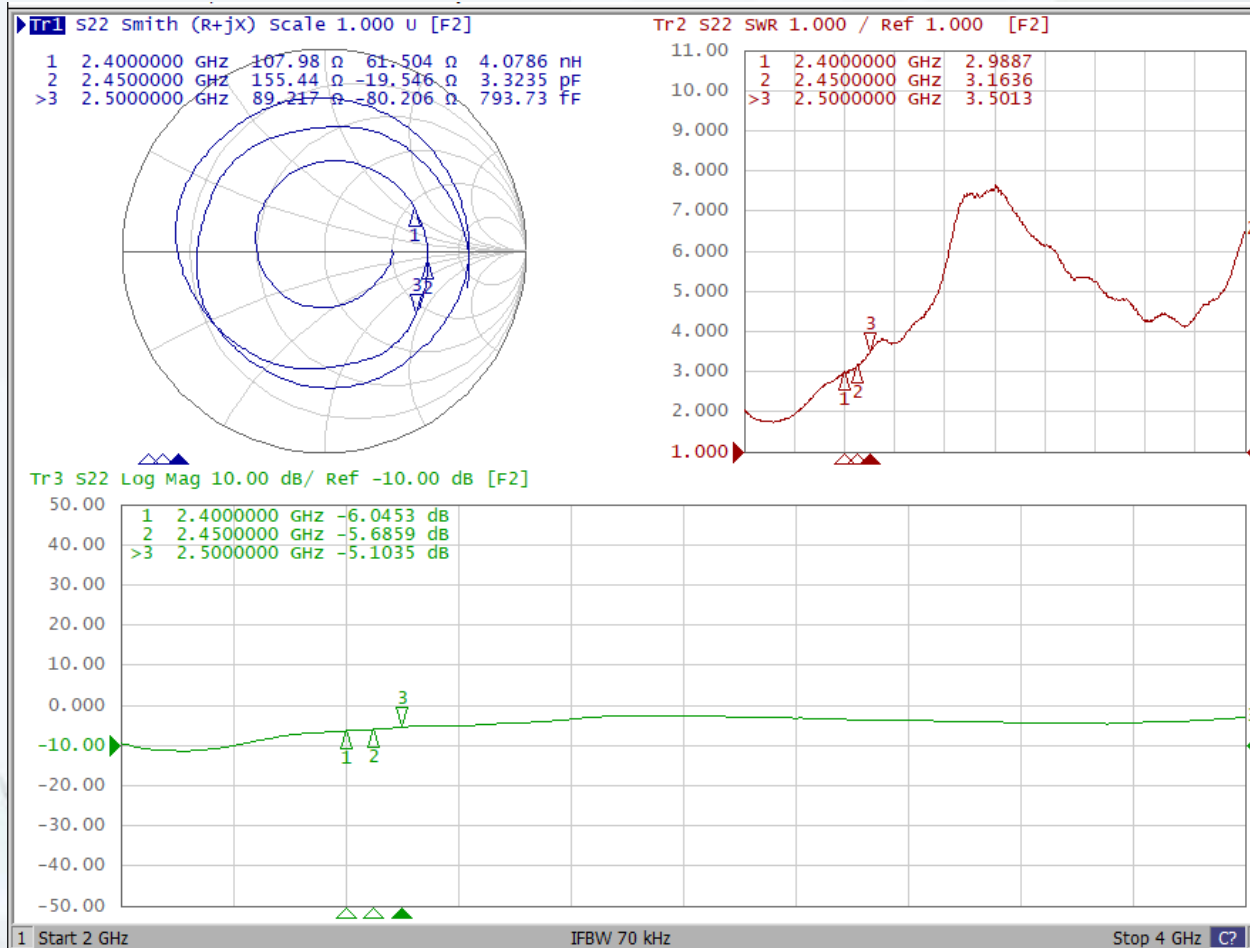
RF Function	Number of ANT	Frequency Band	Remark
WLAN 2.4G	ANT	2400~2500 MHz	

Requirements of Measurement

Test Item	Specification	Remark
Return Loss	<5dB	
Peak Gain	N/A	
Efficiency	>30%	
Radiation pattern	Scale: +10 ~ -40dBi, Angle step size: 5 degree	

Return Loss Results

Antenna (Criterion:>10 dB)



Results Summary

Return Loss (Criterion: 10dB)

Frequency (MHz)	Antenna
2400	6.0
2450	5.6
2500	5.1

Results Summary

Peak gain & Efficiency

Frequency (MHz)	3D Peak Gain (dBi)	Efficiency (%)
2400	0.2	38
2450	-0.1	36
2500	-0.1	35