

# ***SRF20231914***

# ***Antenna Test Report***

Add : No. 326, Sec. 2, Gongdao 5th Rd., East Dist.,  
Hsinchu City 300042 , Taiwan (R.O.C.)

*Version: V 1.01*

*Released Date: 2023/12/07*

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*Reviewed By: Stone*

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# Revision History

Released Date	Version	Record
2023/12/07	1.01	Antenna Testing Report

# Specification

## Requirements of Antenna Design

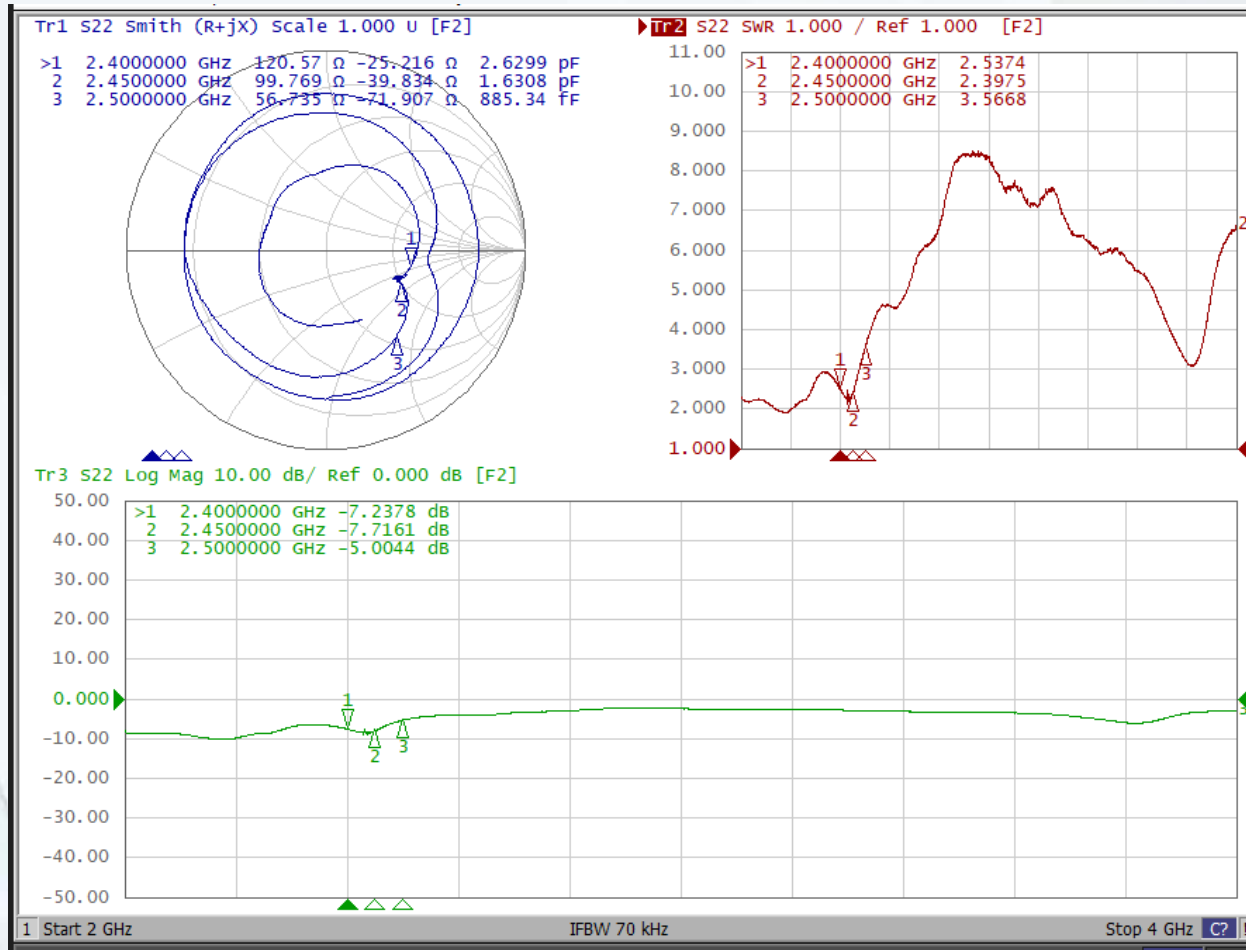
RF Function	Number of ANT	Frequency Band	Remark
WLAN 2.4G		2400~2500 MHz	

## Requirements of Measurement

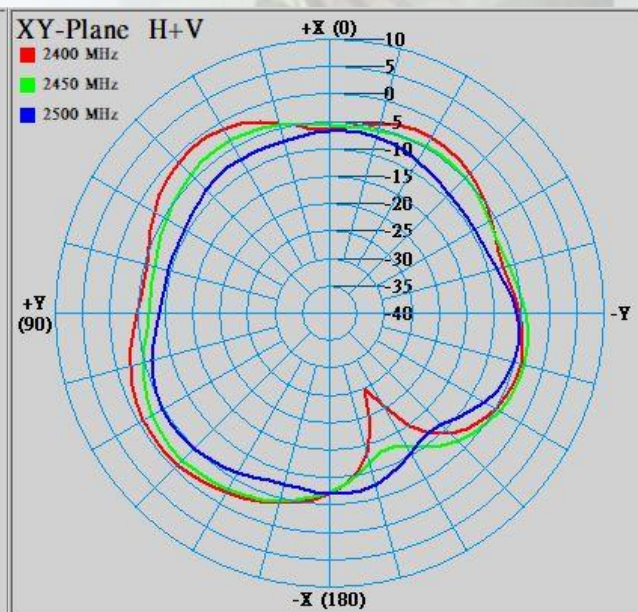
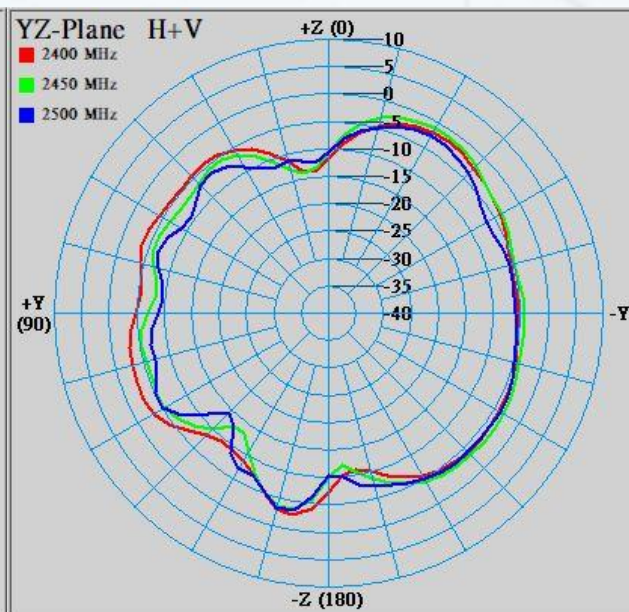
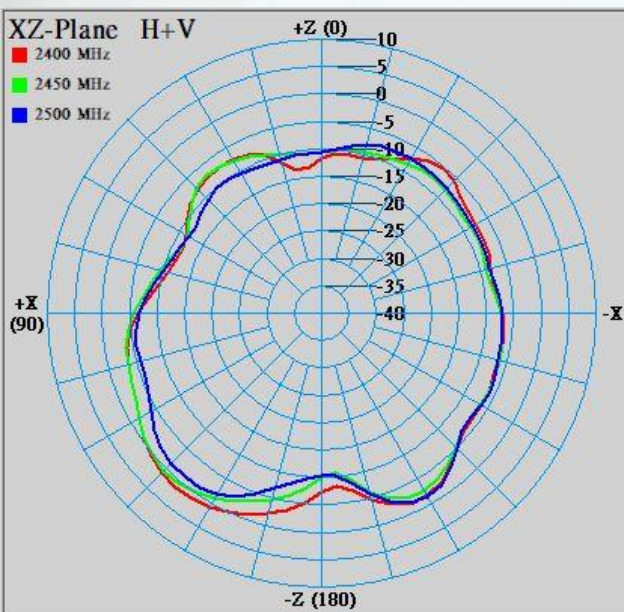
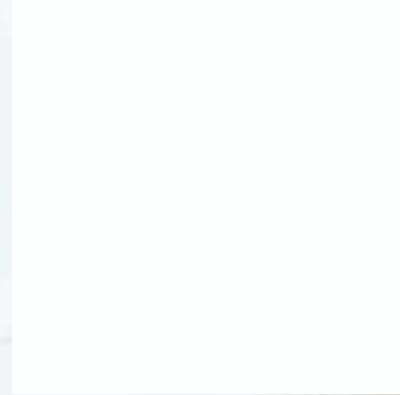
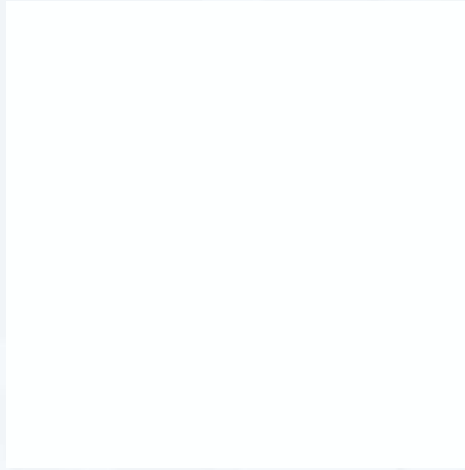
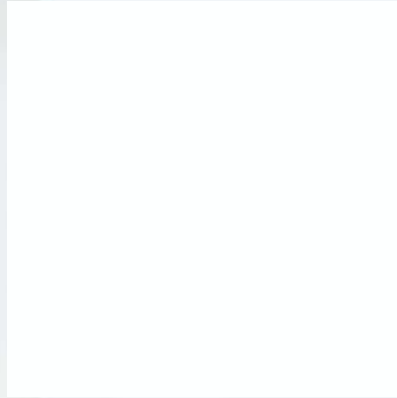
Test Item	Specification	Remark
Return Loss	<7dB	
Peak Gain	<1.5dBi	
Efficiency	>22%	
Radiation pattern	Scale: +10 ~ -40dBi, Angle step size: 5 degree	

# Return Loss Results

Antenna (Criterion:>10 dB)



# 2D Radiation Pattern Results



# Results Summary

## Return Loss (Criterion: 10dB)

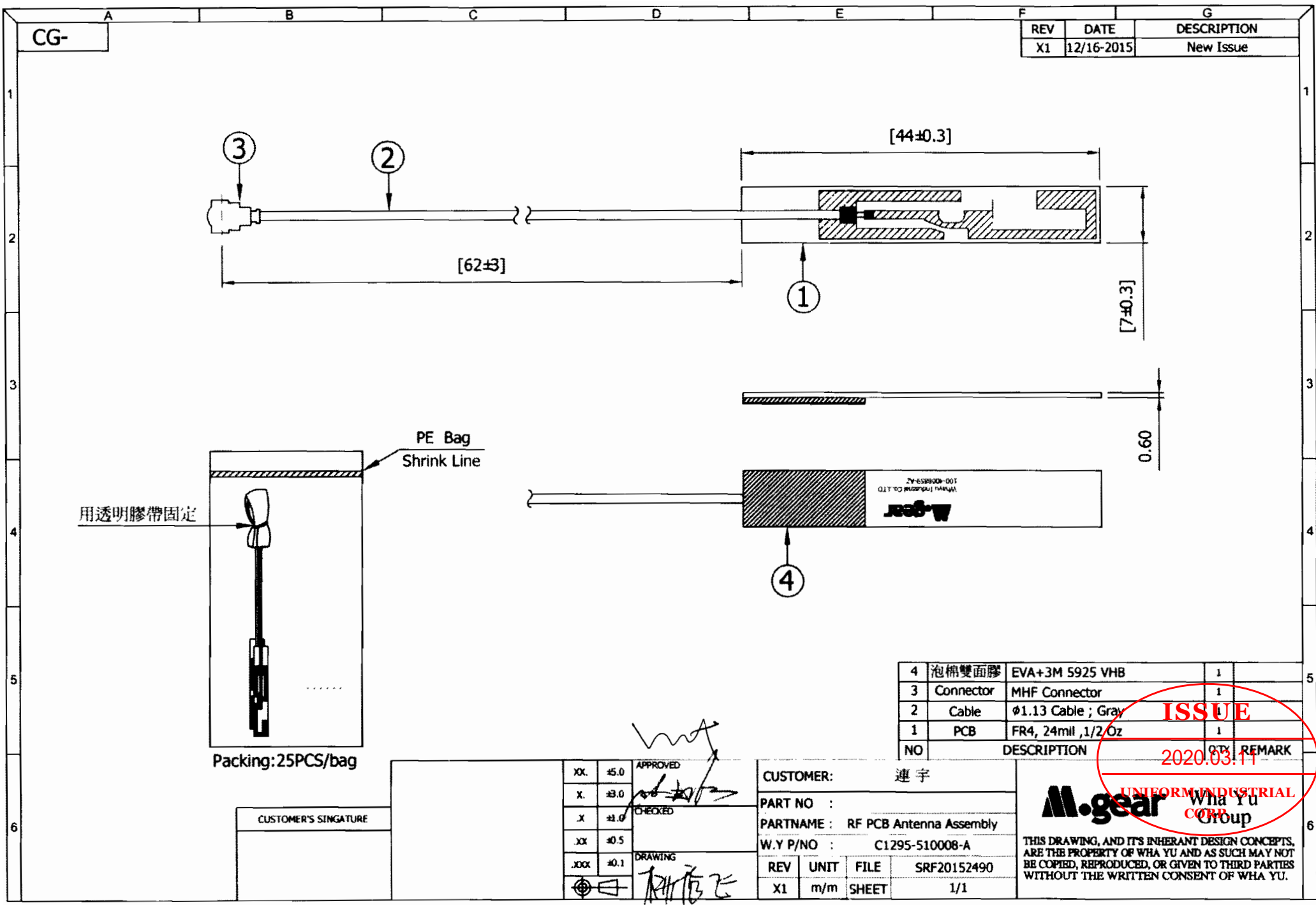
Frequency (MHz)	Antenna
2400	7
2450	7
2500	5

# Results Summary

## Peak gain & Efficiency

Frequency (MHz)	3D Peak Gain (dBi)	Efficiency (%)
2400	1.5	38
2450	0.7	32
2500	-1.1	22

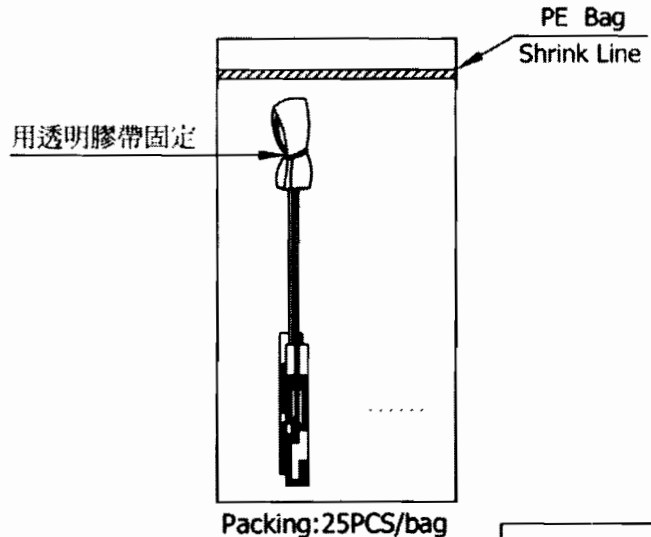




REV	DATE	DESCRIPTION
X1	12/16-2015	New Issue

NO	DESCRIPTION	QTY	REMARK
4	泡棉雙面膠 EVA+3M 5925 VHB	1	
3	Connector MHF Connector	1	
2	Cable $\phi 1.13$ Cable ; Gray	1	
1	PCB FR4, 24mil, 1/2 Oz	1	

**ISSUE**  
2020.03.11  
UNIFORM INDUSTRIAL  
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XX	$\pm 5.0$	APPROVED
X	$\pm 3.0$	CHECKED
.X	$\pm 1.0$	
.XX	$\pm 0.5$	
.XXX	$\pm 0.1$	DRAWING

CUSTOMER: 連宇			
PART NO :			
PARTNAME : RF PCB Antenna Assembly			
W.Y P/NO : C1295-510008-A			
REV	UNIT	FILE	
X1	m/m	SRF20152490	
SHEET			1/1

CUSTOMER'S SINGATURE

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