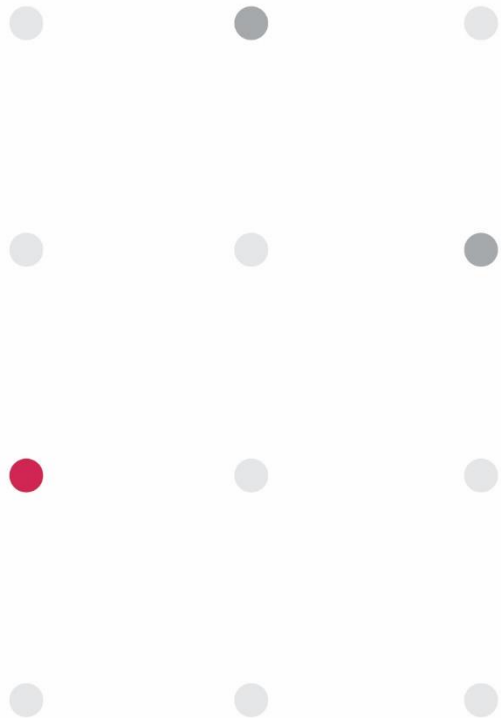




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PSA

PASSIVE SYSTEM ALLIANCE
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追锋-W214

Presented by

毛凌

2025/11/18



Version	Date	Description	Author
V01	2025/11/18	New Release	毛凌

OUTLINE

1. Measurement Information

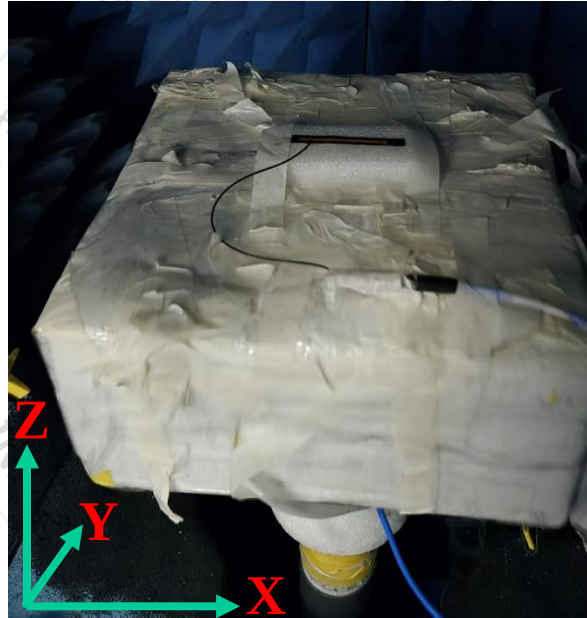
- 1.1 Experimental Setup
- 1.2 Antenna Solution Detail

2. Antenna Characteristics

- 2.1 Return Loss
- 2.2 Antenna Efficiency and Peak Gain
- 2.3 3 views of antenna & 2D Radiation Patterns
- 2.4 Summary

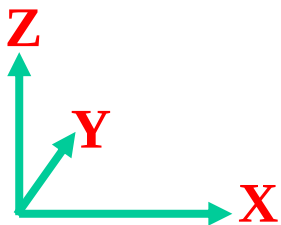
1. Measurement Information

1.1 Experimental Setup



1. Measurement Information

1.2 Antenna Solution Detail



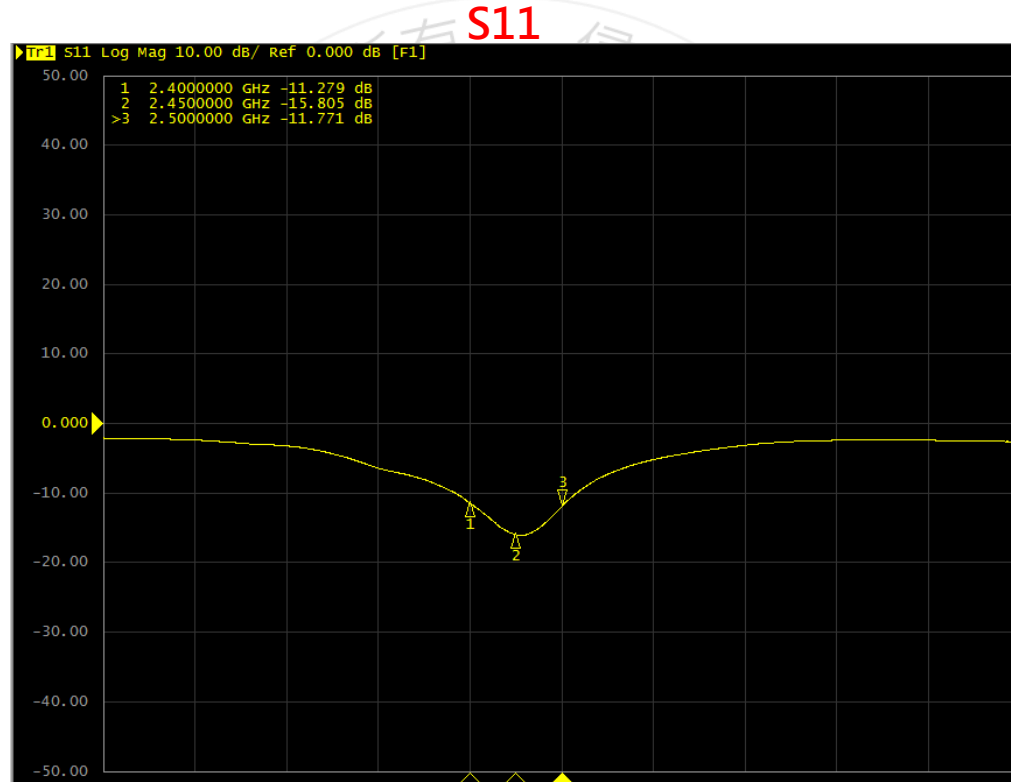
ANT



74mm * 10mm

2. Antenna Characteristics

2.1 Return Loss

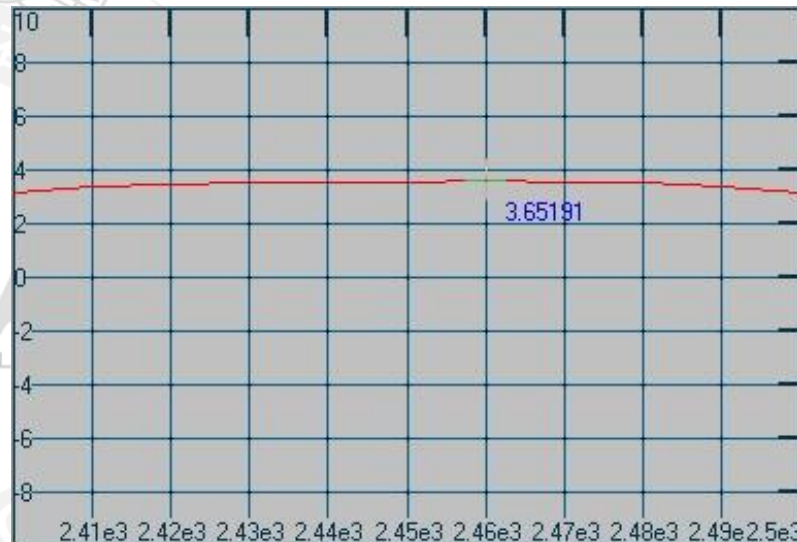


2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2460 MHz : 43.26%



Maximum Peak Gain at 2460 MHz : 3.65 dB

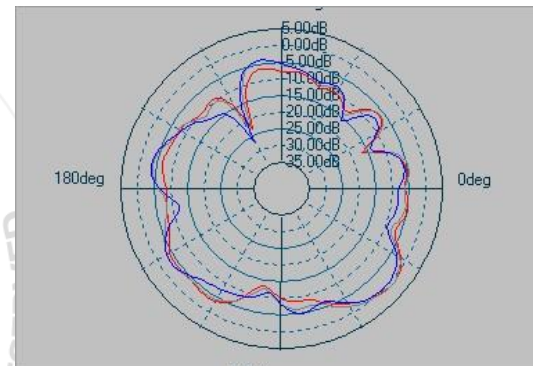
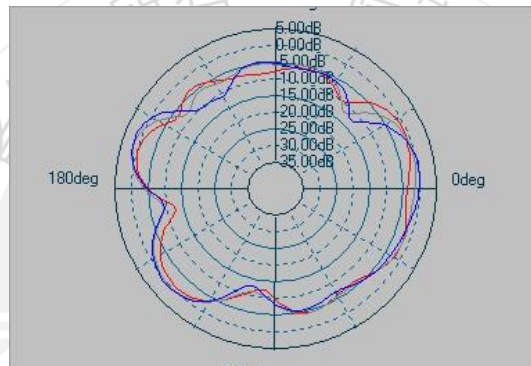
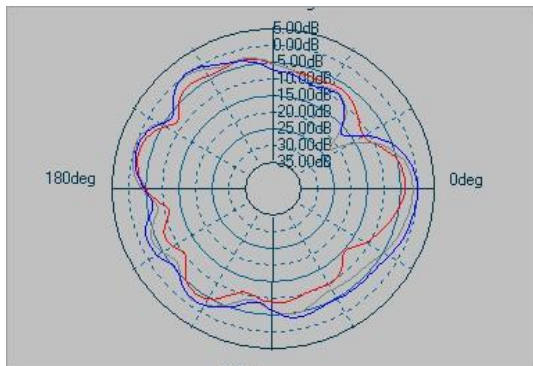
2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain

	ANT	
Frequency (MHz)	Peak gain (dBi)	Efficiency (%)
2400	3.16	35.64
2450	3.59	42.38
2500	3.18	40.04

2. Antenna Characteristics

2.3 2D Radiation Patterns



	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	-1.63	-7.73	-1.73	-4.77	-4.28	-7.17
2450	0.31	-4.82	0.07	-2.26	-2.00	-5.34
2500	0.04	-4.74	1.38	-2.01	-1.21	-5.00

2. Antenna Characteristics

2.4 Summary

	Max Gain (dBi)	Cable Loss (dB)
ANT	3.59	0.81

Thank you

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