

PSA

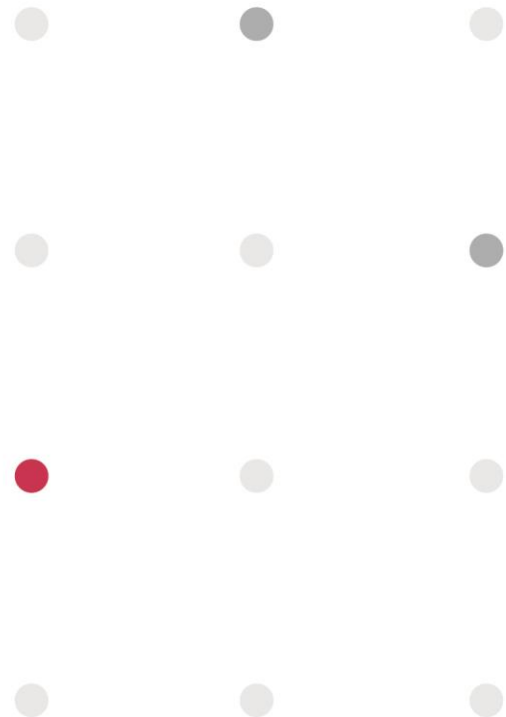
# 佳邦科技股份有限公司

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PSA

PASSIVE SYSTEM ALLIANCE  
INPAQ TECHNOLOGY CO., LTD.



# 卡卓-F8316

Presented by

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2024/ 07/ 22



Version	Date	Description	Author
V01	2024/07/22	New Release	Junny

# OUTLINE

## 1. Measurement Information

### 1.1 Experimental Setup

### 1.2 Antenna Solution Detail

## 2. Antenna Characteristics

### 2.1 S-Parameter

### 2.2 Antenna Efficiency and Peak Gain

### 2.3 3 views of antenna & 2D Radiation Patterns

## 3. Summary

# 1. Measurement Information

## 1.1 Experimental Setup



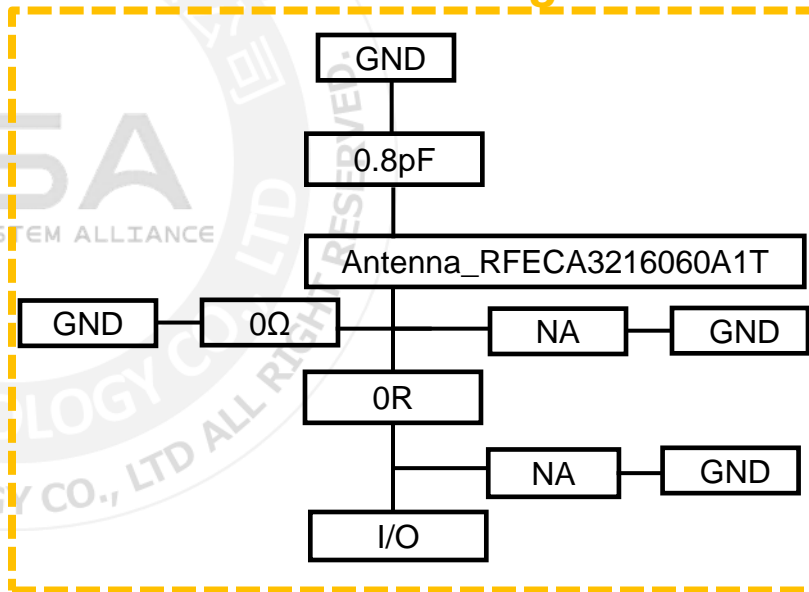
# 1. Measurement Information

## 1.2 Antenna Solution Detail



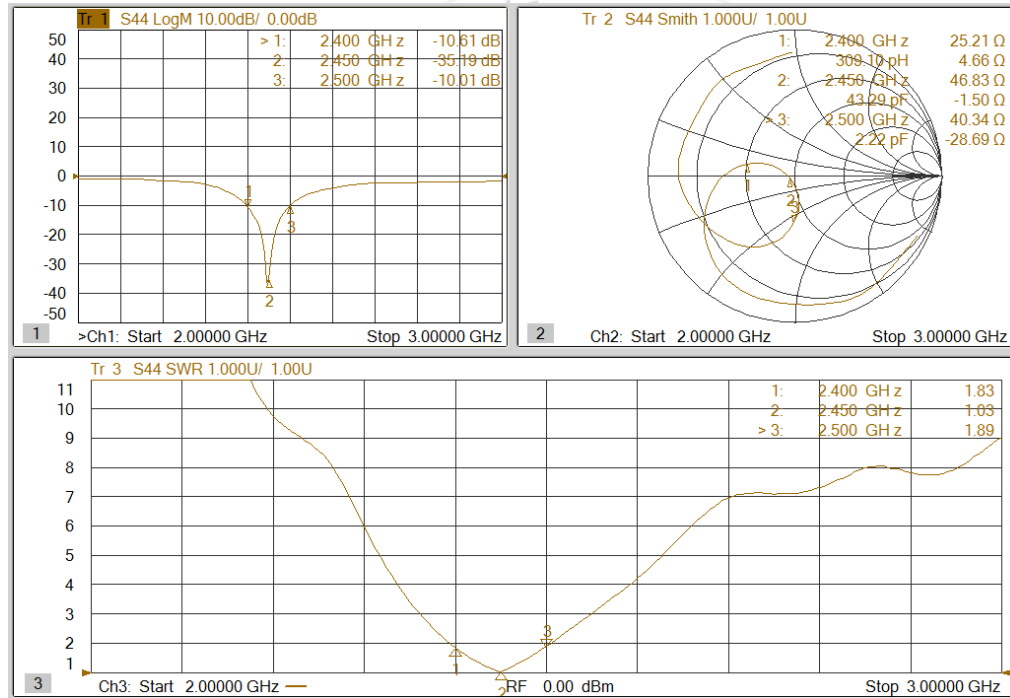
	對應料號
0 ohm	WR04X000PTL
0.8 pF	RF15N0R8A500CTNA

### Matching values



## 2. Antenna Characteristics

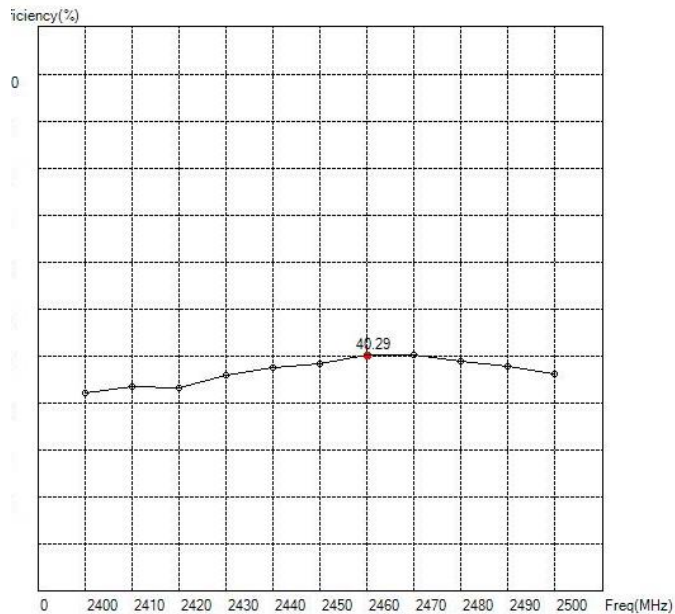
### 2.1 S-Parameter



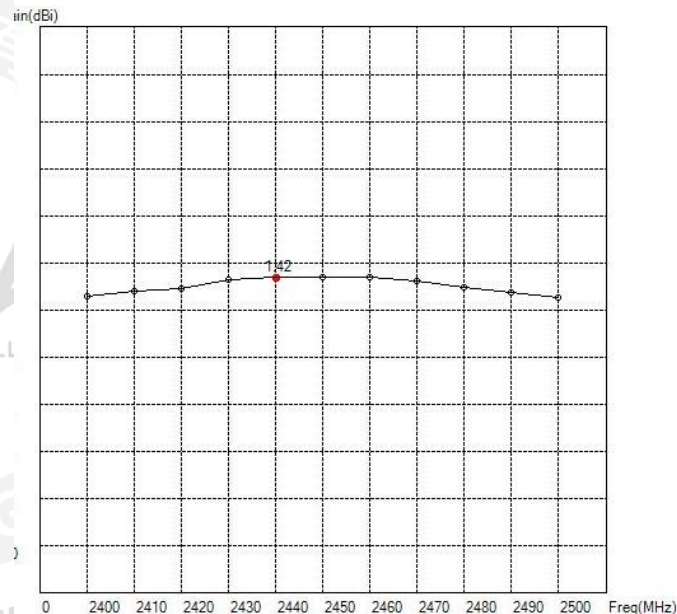


## 2. Antenna Characteristics

### 2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2460MHz : 40.29 %



Maximum Peak Gain at 2440MHz : 1.42dBi

## 2. Antenna Characteristics

### 2.2 Antenna Efficiency and Peak Gain

	ANT	
Frequency (GHz)	Efficiency (%)	Peak gain (dBi)
2.4	32.12	0.61
2.45	38.33	1.38
2.5	36.34	0.52

## 2. Antenna Characteristics

### 2.3 3 views of antenna

X-Z plane



Y-Z plane

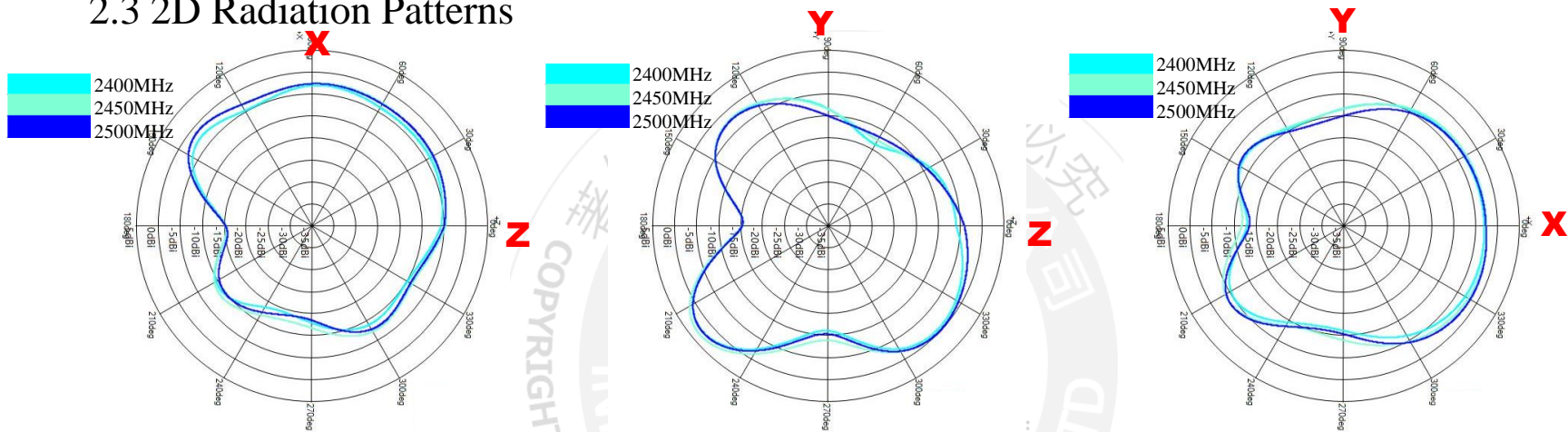


X-Y plane



## 2. Antenna Characteristics

### 2.3 2D Radiation Patterns

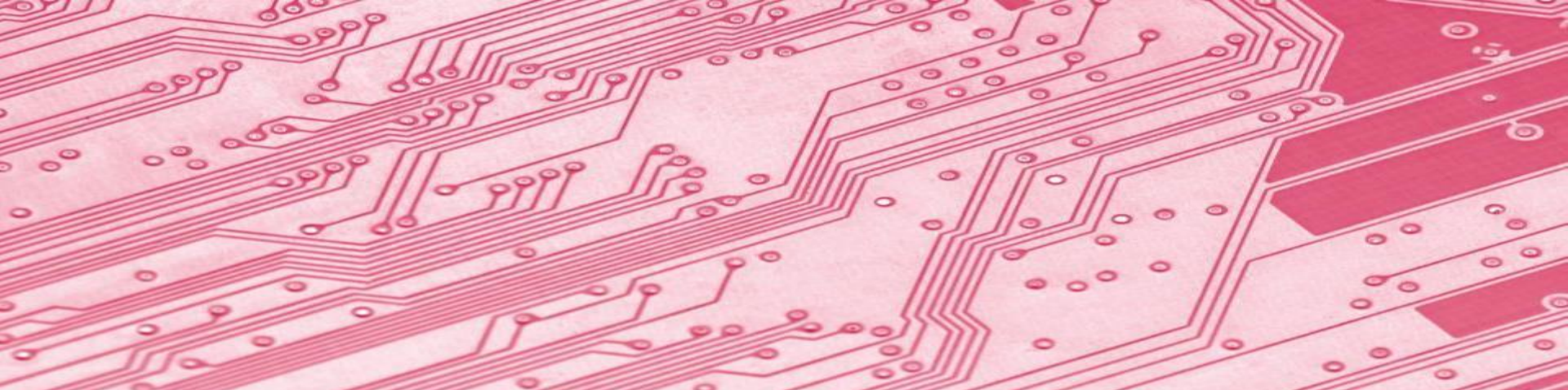


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	-2.97	-6.15	0.61	-3.96	-2.97	-5.98
2450	-2.46	-5.14	1.38	-3.14	-2.19	-5.22
2500	-2.55	-5.37	0.52	-3.55	-1.66	-5.46

### 3. Summary

- The performance of antennas is shown in table

	ANT
Maximum Efficiency (%)	40.29
Maximum Gain (dBi)	1.38



# Title for Image (above image could be replaced)

## Content Details

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WE CONNECT WE PROTECT **PSA**

# Thank you

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