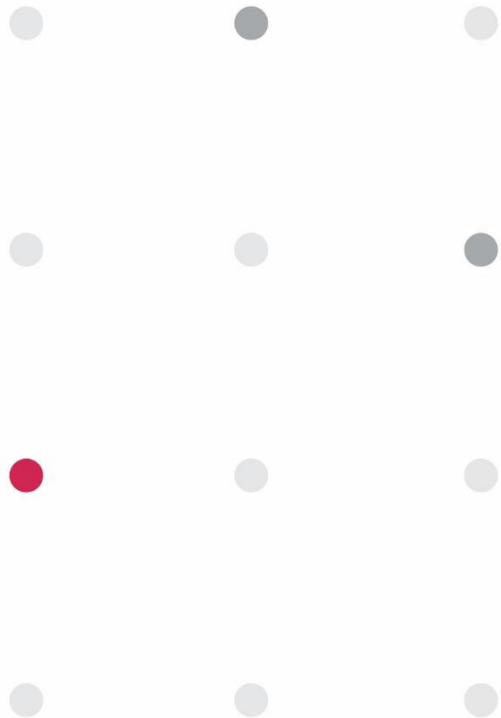


PSA

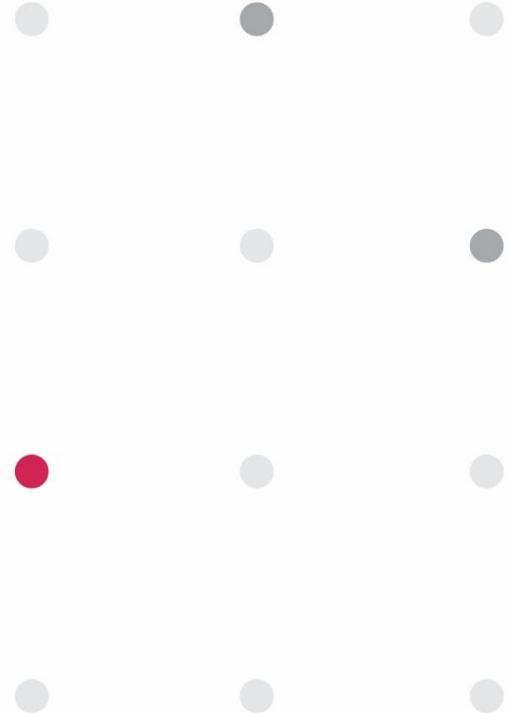
佳邦科技股份有限公司

INPAQ TECHNOLOGY CO., LTD.



PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.



纳恩博-BT模块

Presented by

宋宽宏

2023/ 11/ 23



Version	Date	Description	Author
V01	2023/11/23	New Release	宋宽宏



OUTLINE

1. Measurement Information

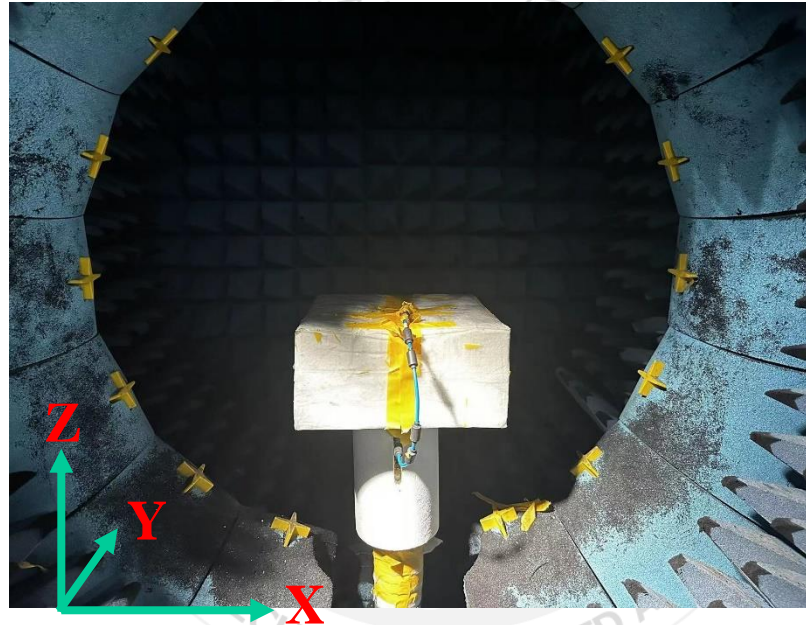
- 1.1 Experimental Setup
- 1.2 Antenna Type:PCB Antenna

2. Antenna Characteristics

- 2.1 Antenna Efficiency and Peak Gain
- 2.2 3 views of antenna & 2D Radiation Patterns

1. Measurement Information

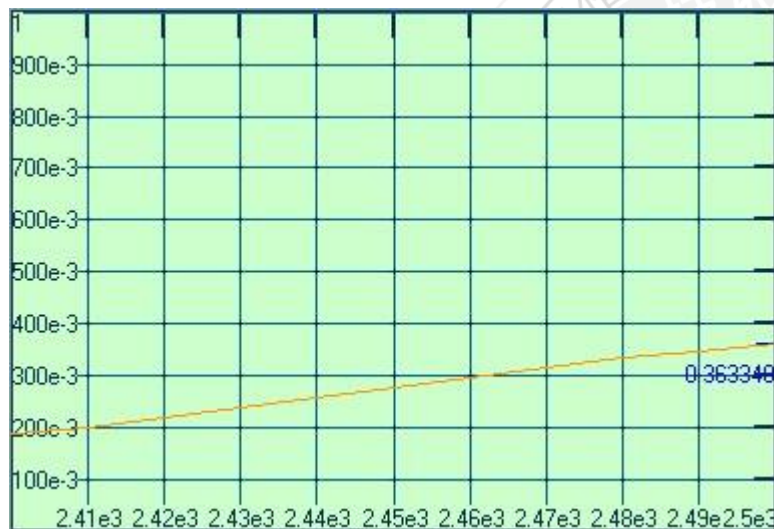
1.1 Experimental Setup



1.2 Antenna Type:PCB Antenna

2. Antenna Characteristics

2.1 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2480 MHz : 36.33 %



Maximum Peak Gain at 2480 MHz : 0.79 dBi

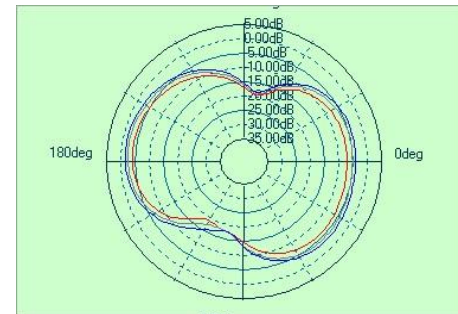
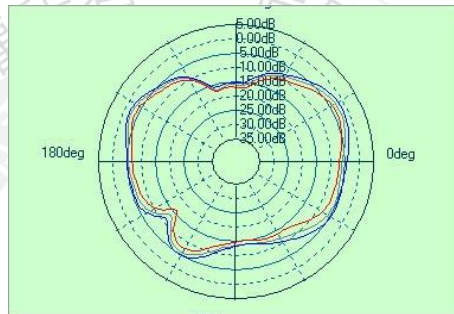
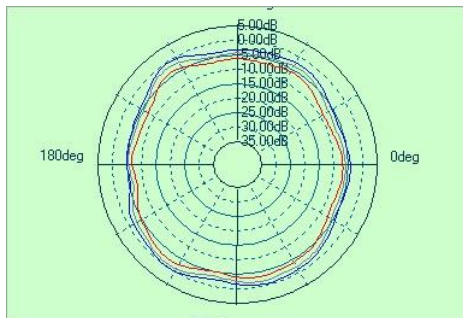
2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain

	Ant	
Frequency (MHz)	Peak gain (dBi)	Efficiency (%)
2400	-1.71	19.00
2450	-0.16	27.98
2500	0.79	36.33

2. Antenna Characteristics

2.3 2D Radiation Patterns



Frequency [MHz]	ZX plane		ZY plane		XY plane	
	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	-2.80	-5.85	-4.07	-8.50	-4.21	-8.26
2450	-1.26	-4.13	-2.70	-7.11	-2.65	-6.54
2500	-0.34	-2.96	-1.58	-6.05	-1.71	-5.54

3. Summary

- The performance of antennas is shown in table

	Ant
Maximum Efficiency (%)	39.37
Maximum Gain (dBi)	0.79

Thank you

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