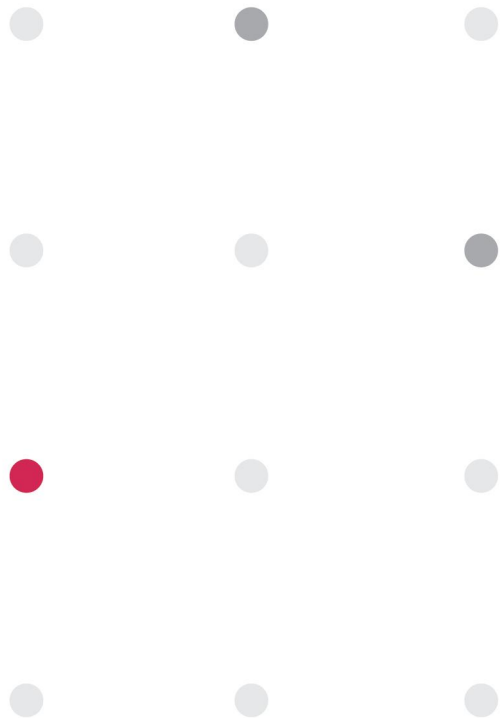


PSA

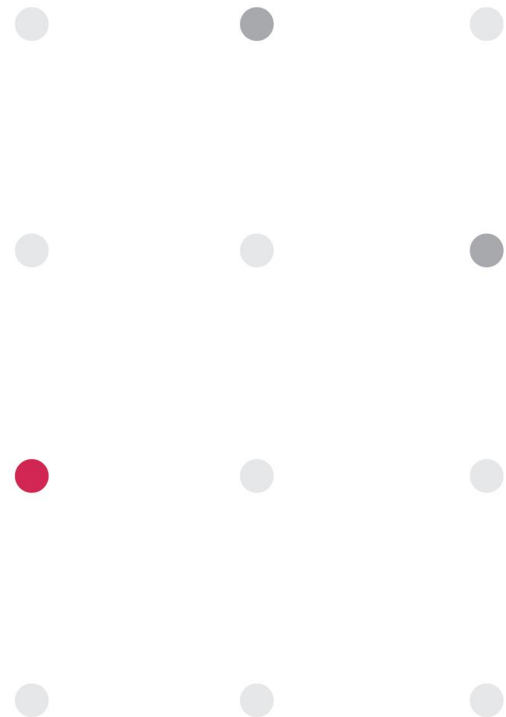
佳邦科技股份有限公司

INPAQ TECHNOLOGY CO., LTD.



PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.



爱旺-RZ Selena T2 TKL

Presented by

冯立翔

2025/03/17



Version	Date	Description	Author
V01	2025/01/16	New Release	冯立翔
V02	2025/01/21	重新优化天线	冯立翔
V03	2025/02/12	重新整理天线	冯立翔
V04	2025/02/15	重新整理天线	冯立翔
V05	2025/03/17	复测试产机器,重新整理天线	冯立翔

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

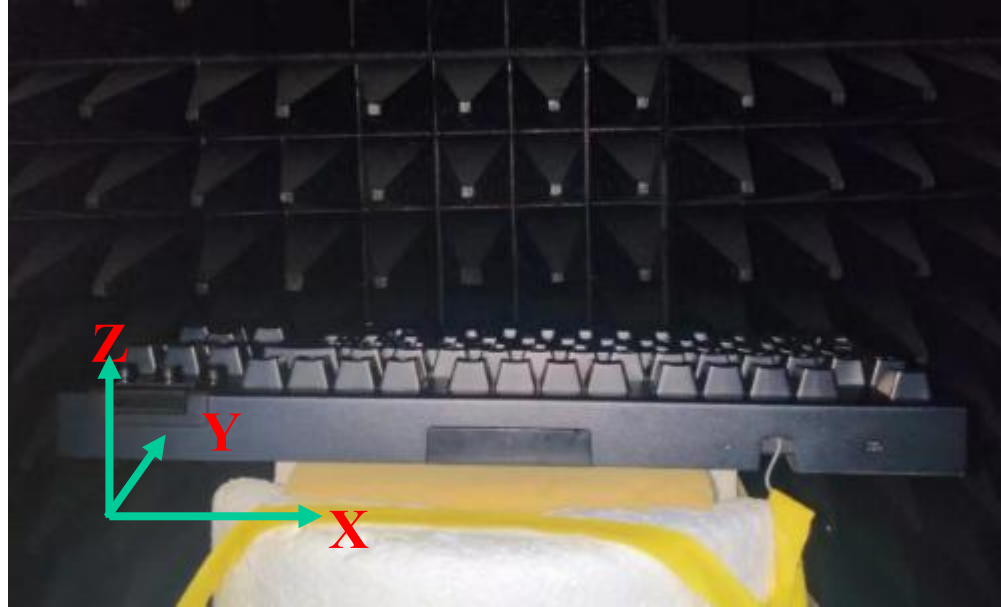
2.3 3 views of antenna & 2D Radiation Patterns

2.4 3D Radiation Patterns

3. Summary

1. Measurement Information

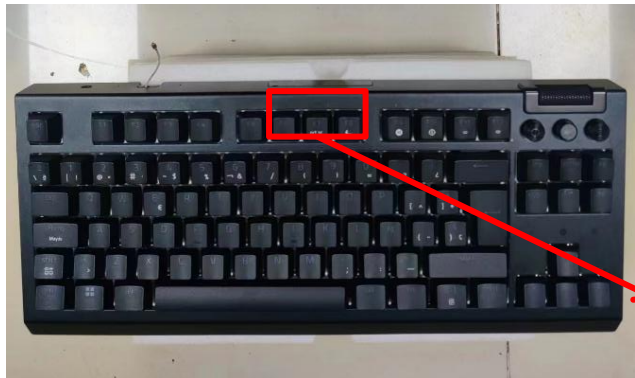
1.1 Experimental Setup



1. Measurement Information

1.2 Antenna Solution Detail

	對應料號
0Ω	WR04X000 PTL
ANT	RFPCA4709071MAB301



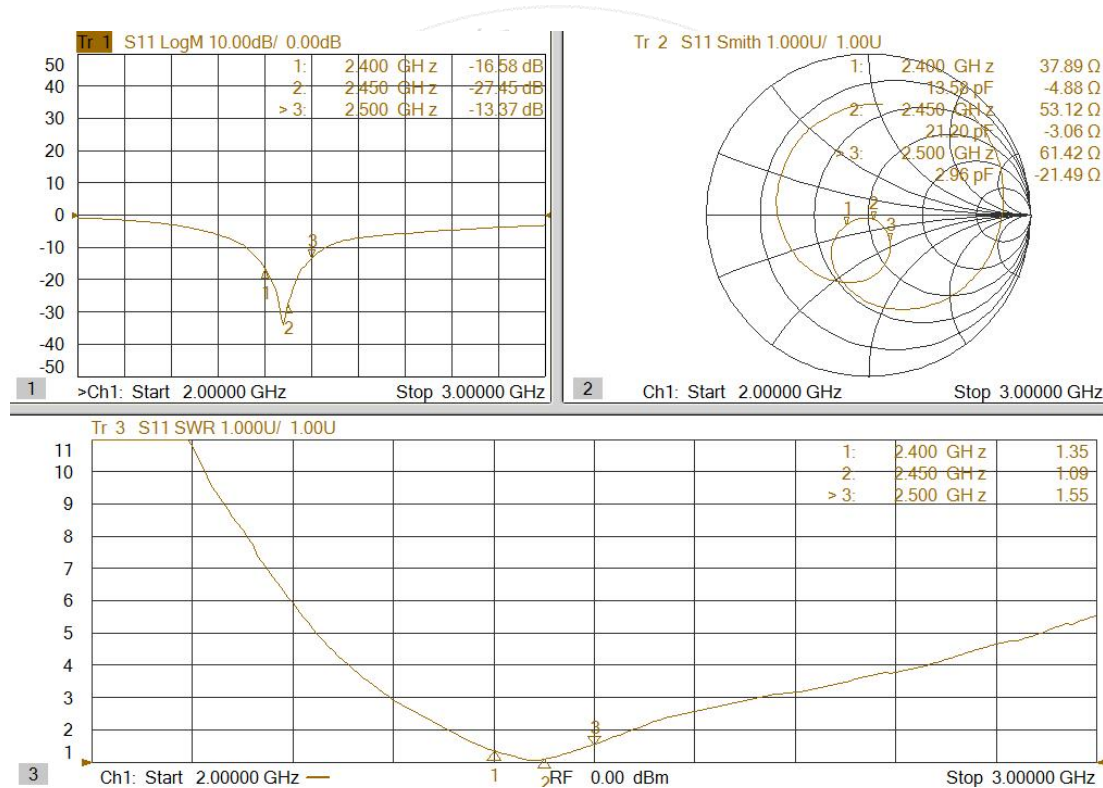
天线按外壳原始天线
粘贴位置粘贴



天线大小: 47.6*10mm*0.6mmPCB
cable线长: 83mm 1.13正常线
一代端子头朝下
天线频段: 2400-2500MHz

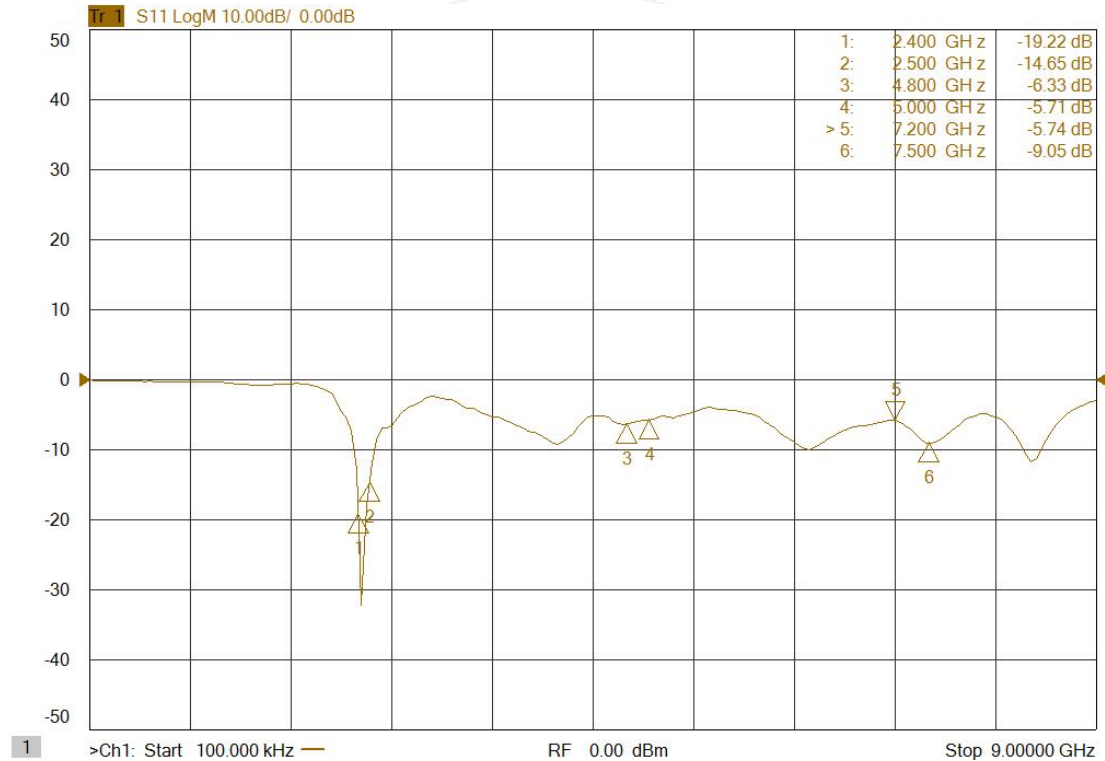
2. Antenna Characteristics

2.1 S-Parameter



2. Antenna Characteristics

2.1 S-Parameter

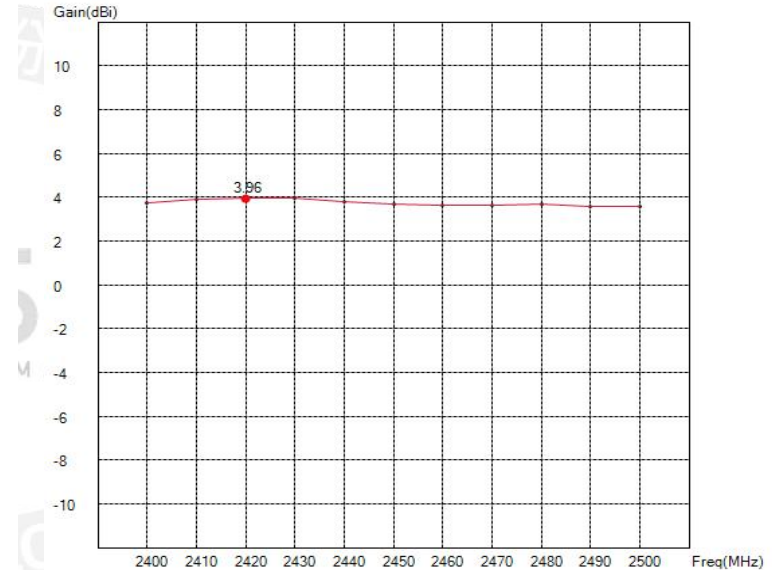


2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2430MHz : 64.43%



Maximum Peak Gain at 2420MHz : 3.96dBi

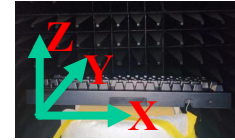
2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain

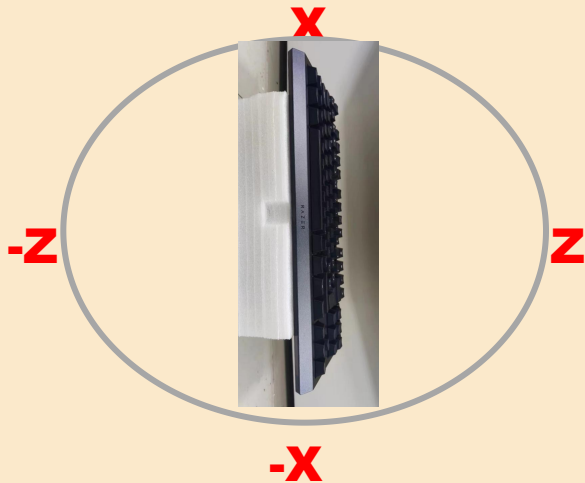
	ANT	
Frequency (MHz)	Peak gain (dBi)	Efficiency (%)
2400	3.74	60.07
2450	3.70	62.42
2500	3.59	58.84

2. Antenna Characteristics

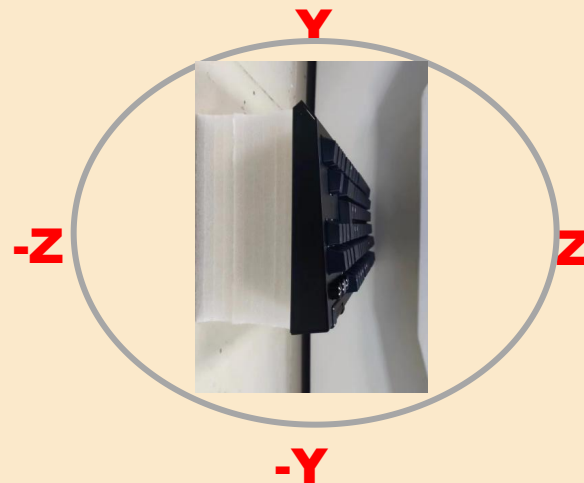
2.3 3 views of antenna



X-Z plane



Y-Z plane

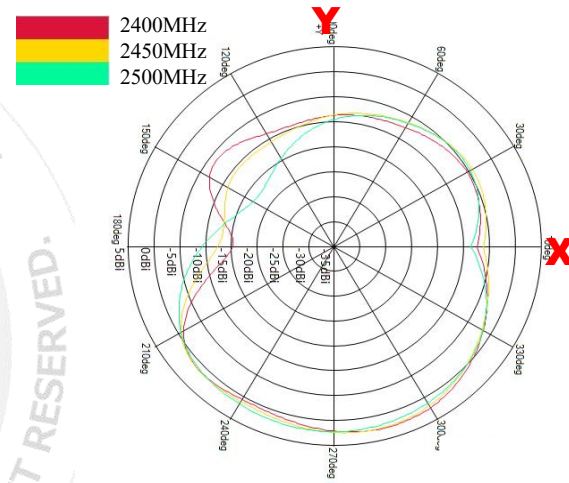
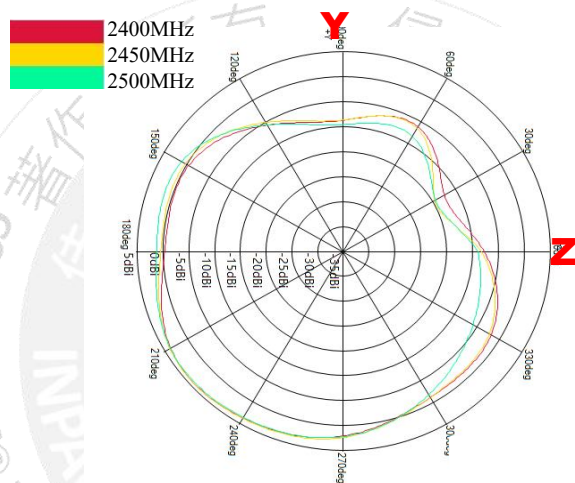
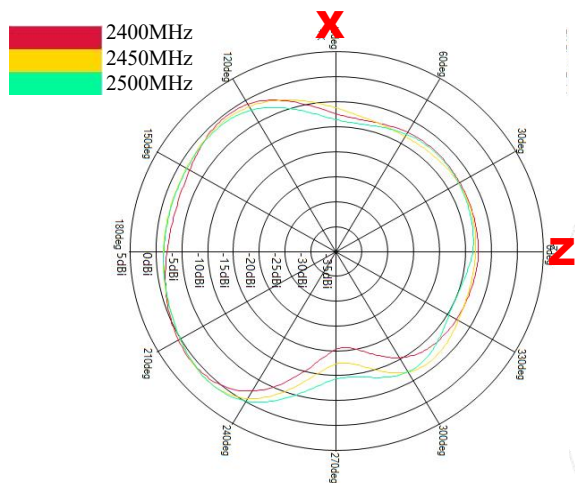


X-Y plane



2. Antenna Characteristics

2.3 2D Radiation Patterns

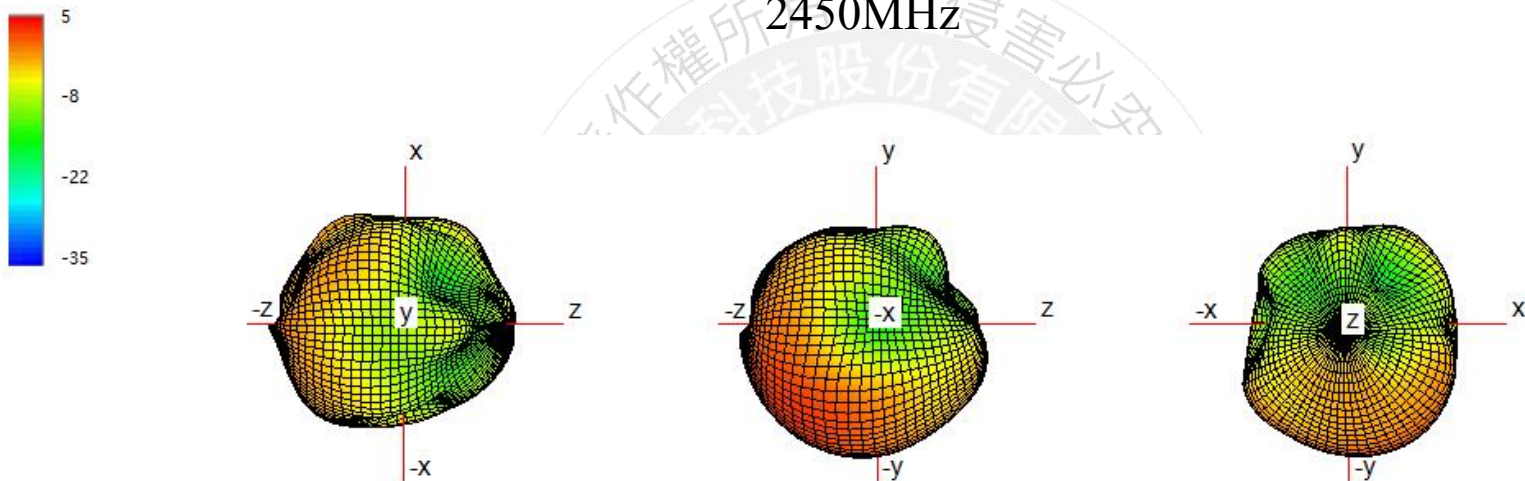


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	0.23	-4.83	3.53	-1.09	2.29	-2.38
2450	-0.19	-4.63	3.70	-1.02	2.25	-2.26
2500	-0.22	-4.79	3.59	-1.48	2.08	-2.43

2. Antenna Characteristics

2.4 3D Radiation Patterns

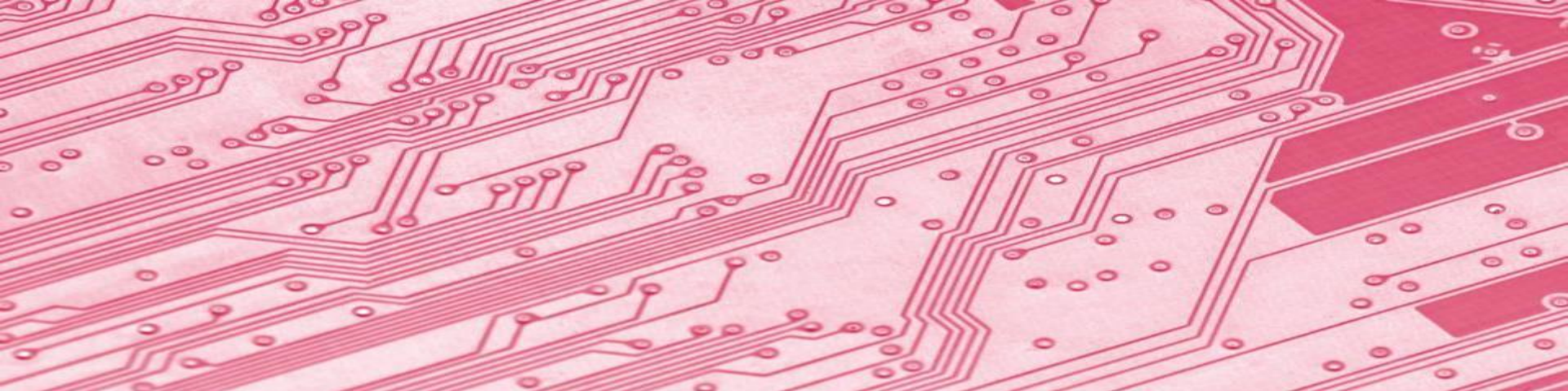
2450MHz



3. Summary

- The performance of antennas is shown in table

	ANT (2.4G)
Maximum Efficiency (%)	64.43
Maximum Gain (dBi)	3.96



Title for Image (above image could be replaced)

Content Details

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.

WE CONNECT WE PROTECT **PSA**

Thank you

本資料均屬機密，僅供指定之收件人使用，未經寄件人許可不得揭露、複製或散佈本信件。

This message and any attachments are confidential and may be legally privileged. Any unauthorized review, use or distribution by anyone other than the intended recipient is strictly prohibited. If you are not the intended recipient, please immediately notify the sender, completely delete this documents, and destroy all copies. Your cooperation will be highly appreciated.