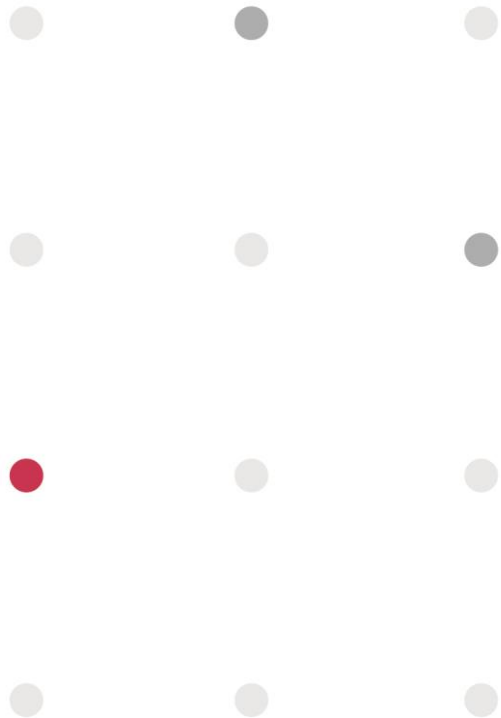


PSA

佳邦科技股份有限公司

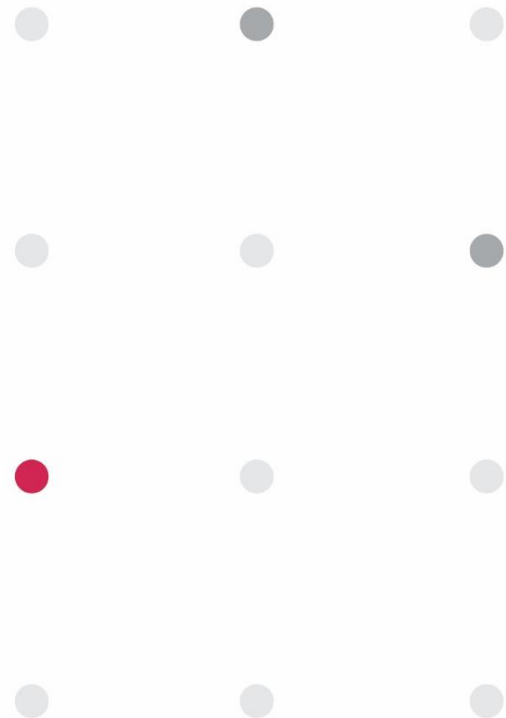
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居易科技 EC3 WIFI-7

Presented by
Ken

INPAQ Technology Co., Ltd.

Last updated in 12.23, 2025



Version	Date	Description	Author
V01	2025/02/07	New Release	Abel
V02	2025/02/21	優化ANT7及ANT8天線低頻效率	Abel
V03	2025/04/18	客戶提供新的外殼驗證工廠樣品及調測天線	Abel
V04	2025/12/18	外接式天線(RFDPA191700SBLB806)量測	Ken
V05	2025/12/23	外接式天線(RFDPA191700SBLB804)量測	Ken

OUTLINE

1. Measurement Information

- 1.1 Experimental Setup
- 1.2 Antenna Solution Detail

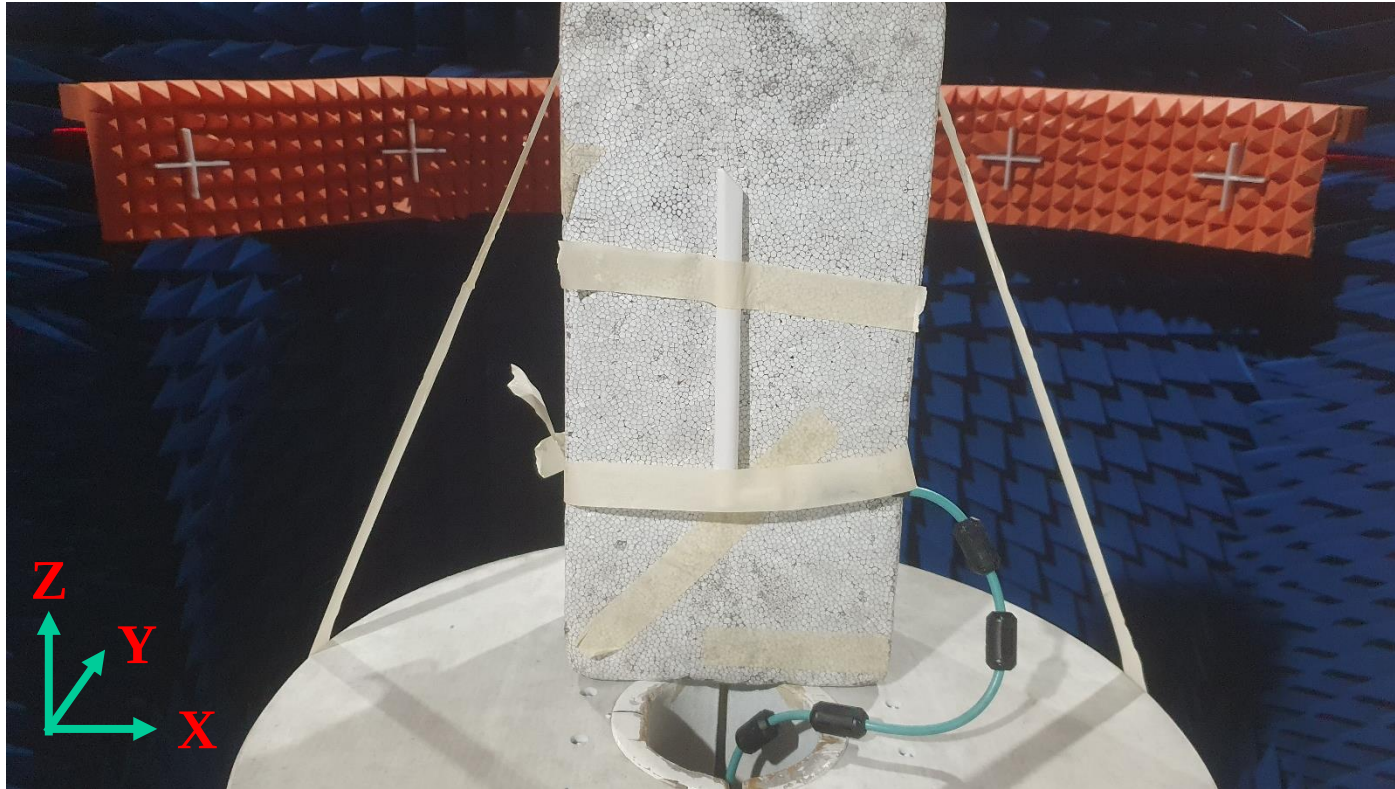
2. Antenna Characteristics

- 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

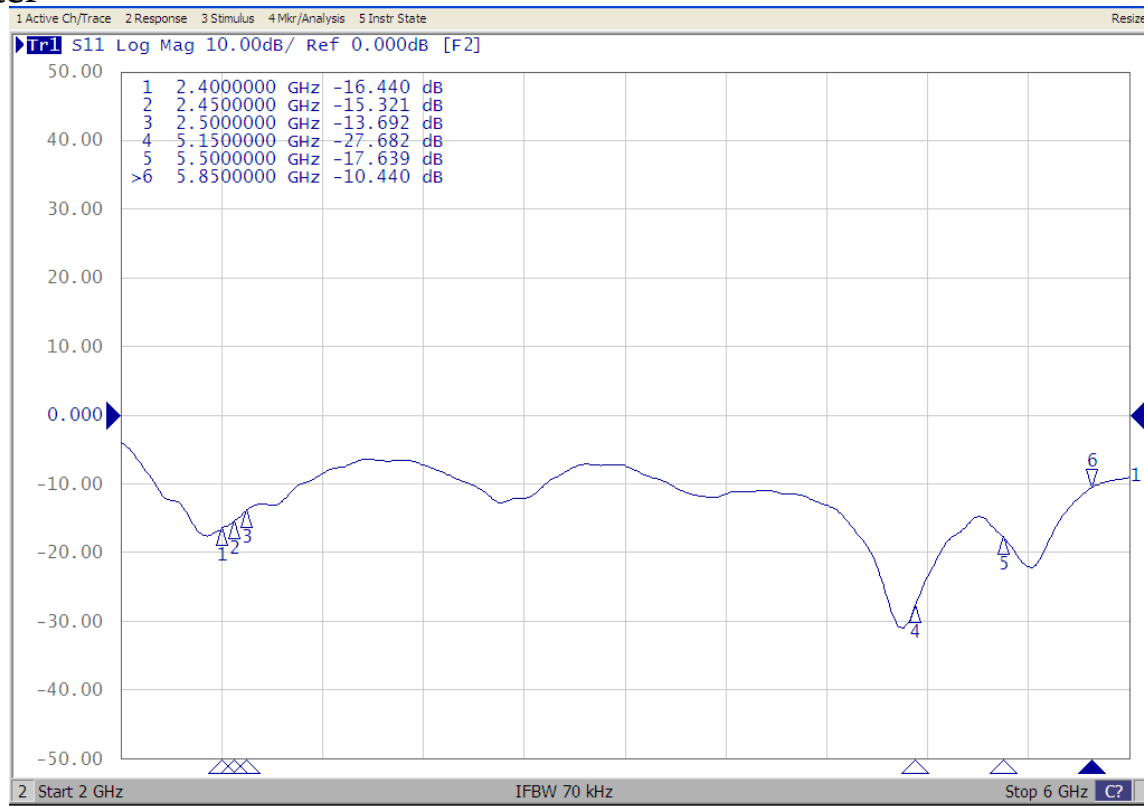
1.2 Antenna Solution Detail

外接式天線(RFDPA191700SBLB804)



2. Antenna Characteristics

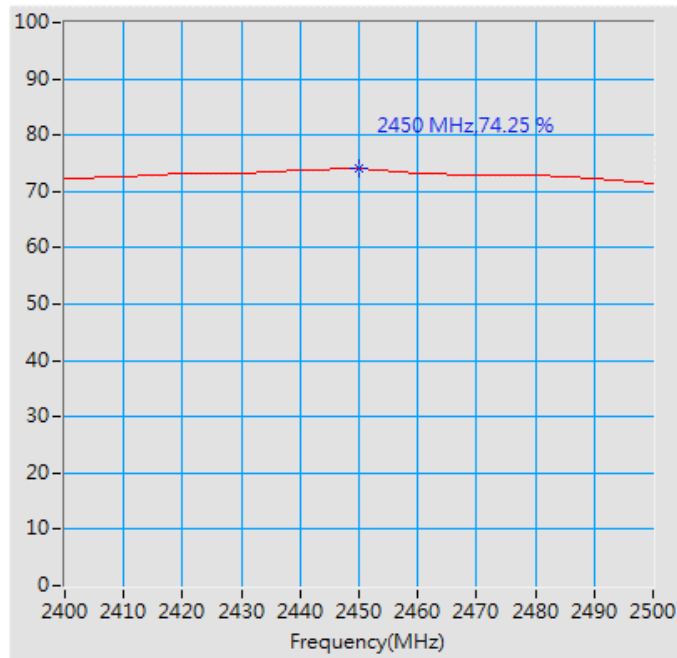
2.1 S-Parameter



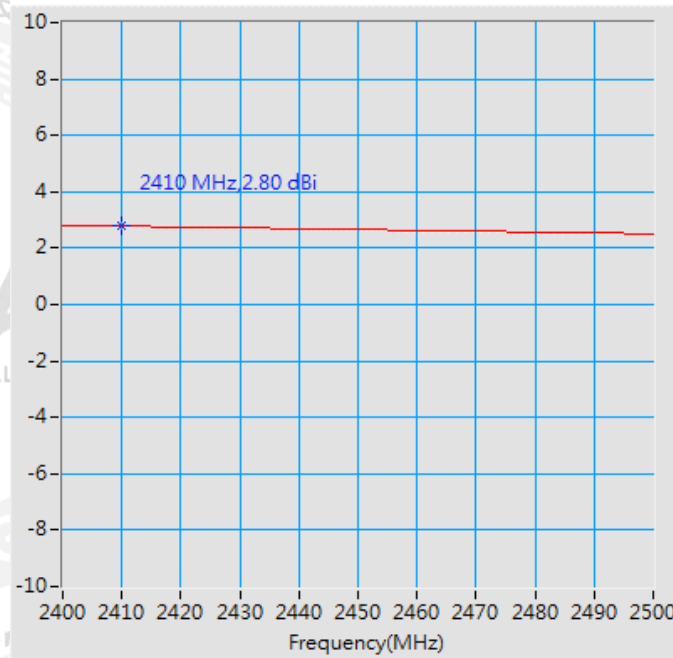
2. Antenna Characteristics

2G

2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2450 MHz : 74.25 %

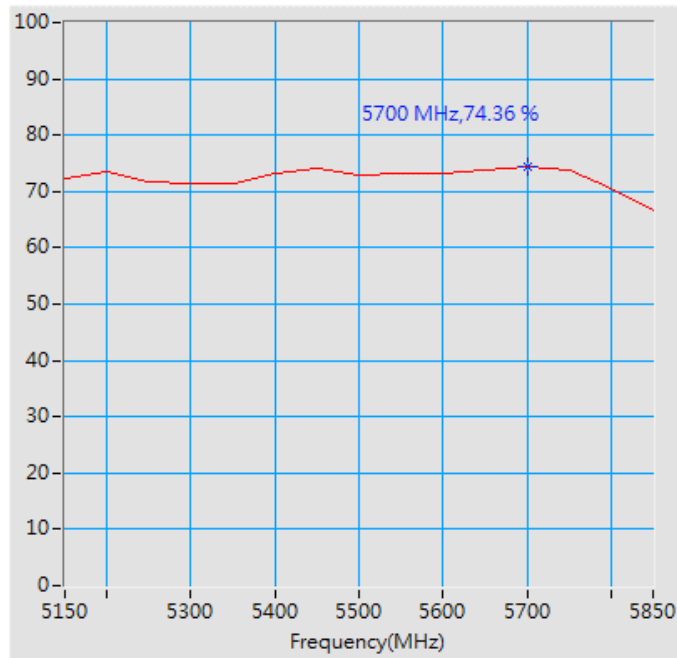


Maximum Peak Gain at 2410 MHz : 2.80 dBi

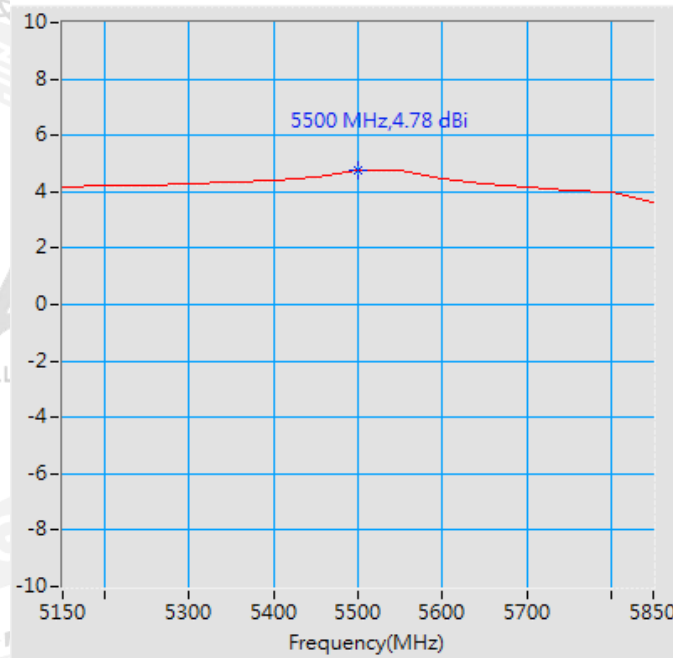
2. Antenna Characteristics

5G

2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 5700 MHz : 74.36 %



Maximum Peak Gain at 5500 MHz : 4.78 dBi

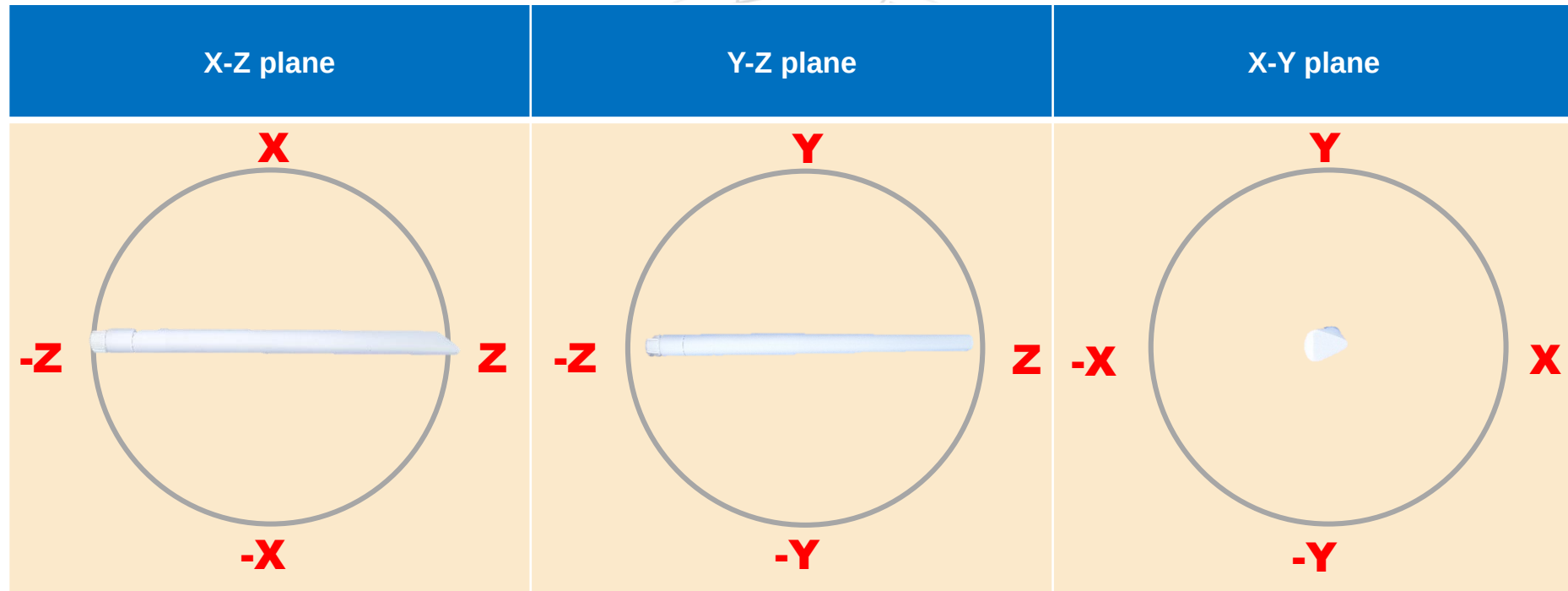
2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain

Frequency (MHz)	Efficiency (%)	Peak gain (dBi)
2400	72.39	2.77
2450	74.25	2.66
2500	71.55	2.52
5150	72.32	4.16
5500	72.79	4.78
5850	66.52	3.64

2. Antenna Characteristics

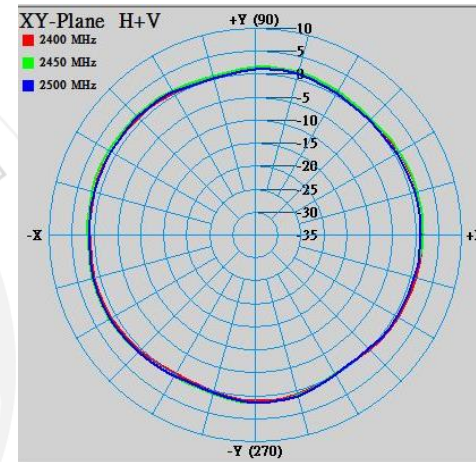
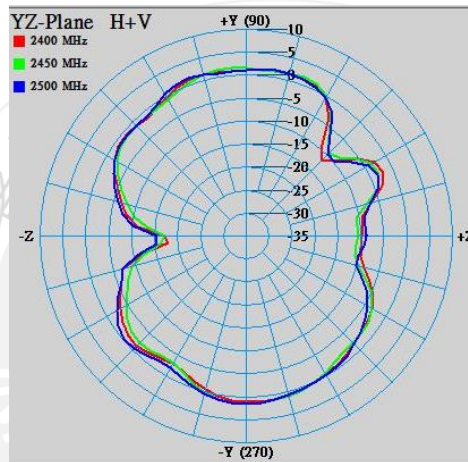
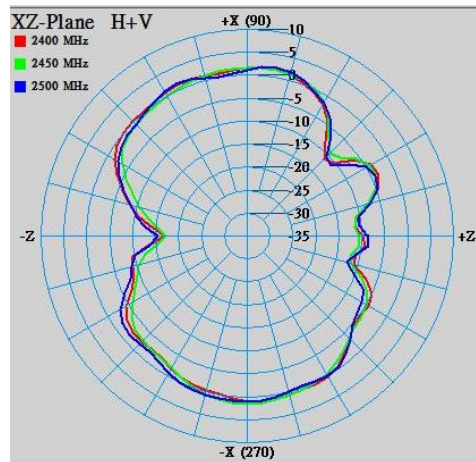
2.3 3 views of antenna



2. Antenna Characteristics

2G

2.3 2D Radiation Patterns

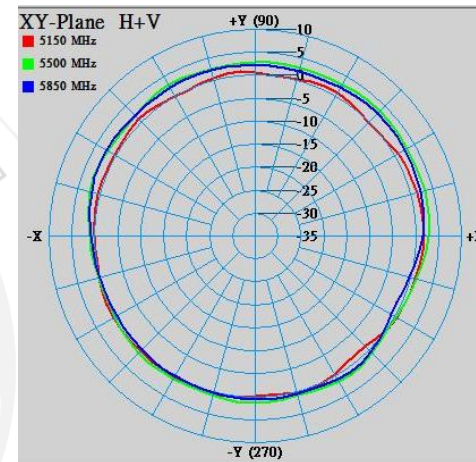
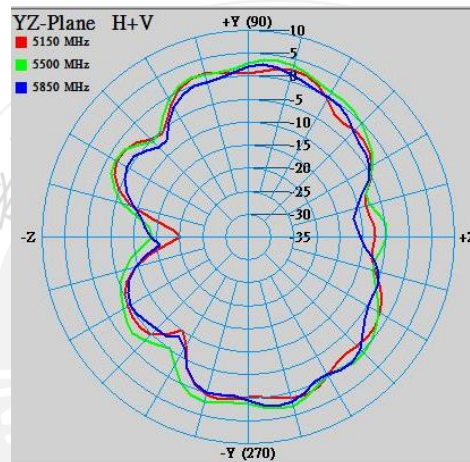
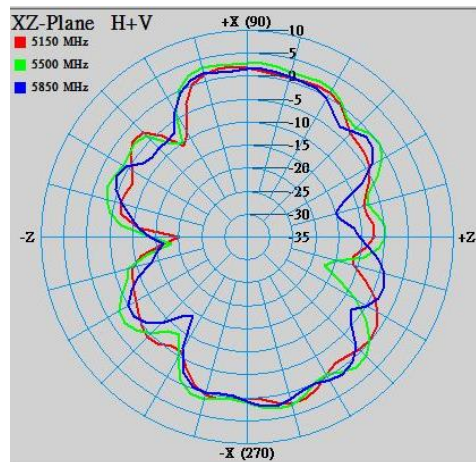


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	2.07	-1.83	1.71	-1.73	1.70	0.95
2450	1.66	-1.99	1.89	-1.80	2.00	1.24
2500	2.19	-1.81	1.61	-1.53	1.60	0.94

2. Antenna Characteristics

5G

2.3 2D Radiation Patterns

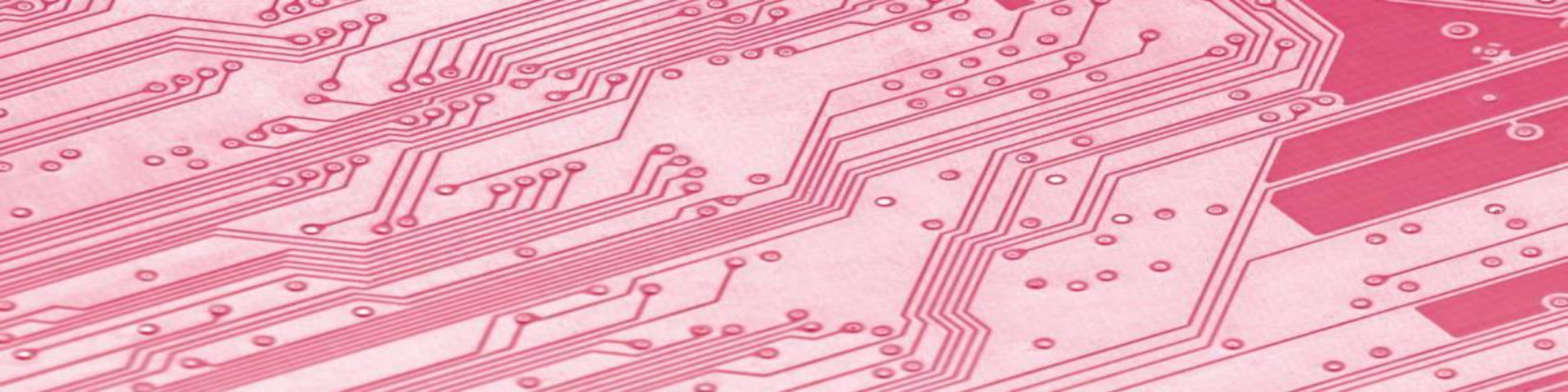


	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
5150	2.60	-1.97	2.60	-1.88	1.79	0.54
5500	3.09	-0.88	3.97	-0.62	3.57	2.02
5850	2.29	-2.17	2.77	-2.19	2.83	1.39

3. Summary

- The performance of antennas is shown in table

	2G	5G
Maximum Efficiency (%)	74.25	74.36
Maximum Gain (dBi)	2.80	4.78



Title for Image (above image could be replaced)

Content Details

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INPAQ TECHNOLOGY CO., LTD.

Thank you

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