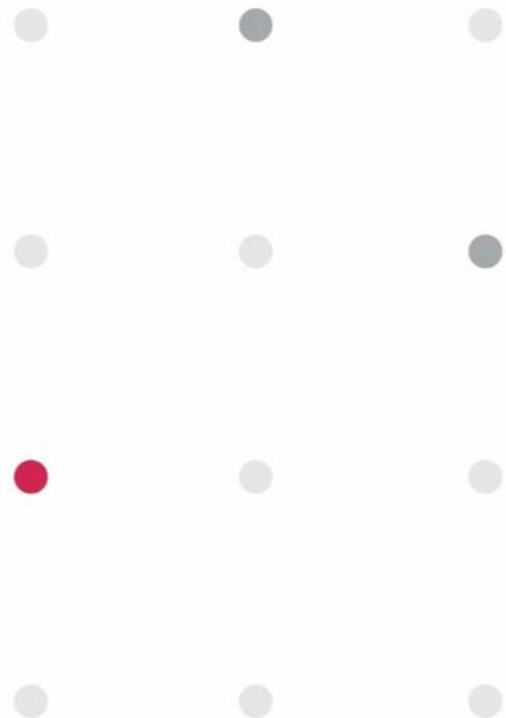


SHENZHEN XINDINGXING ELEC. CO., LTD.

Address: 8F, Building 4, Honghui Industrial Park, Liuxian 2nd Road, Bao'an District, Shenzhen

PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.



VMJ01

Presented by
FangTan Jin

INPAQ Technology Co., Ltd.

2024/01/22

Version	Date	Description	Author
V01	2024/01/22	New Release	FangTan Jin

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 3D Pattern & 2D Radiation Patterns

2.4 Summary Table

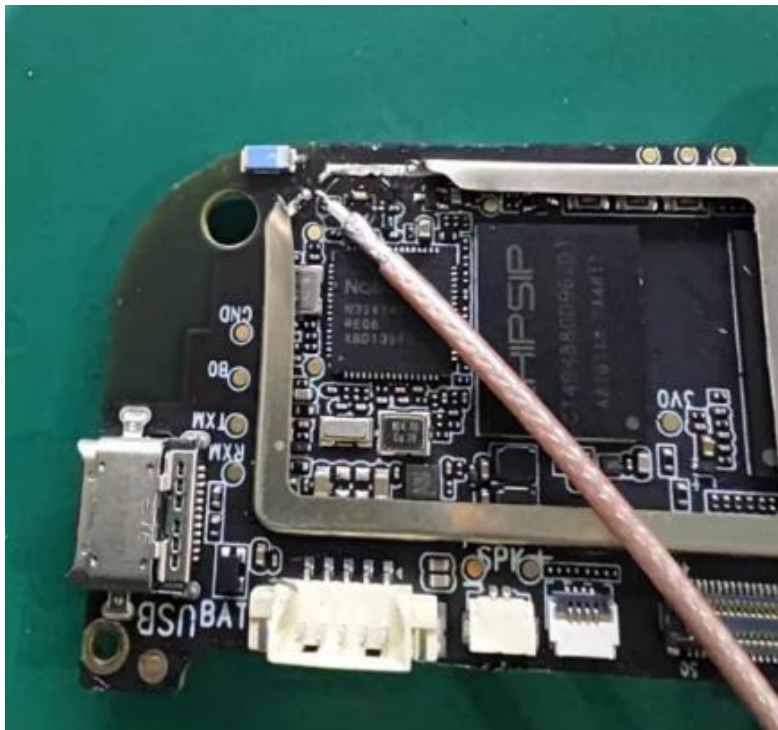
1. Measurement Information

1.1 Experimental Setup

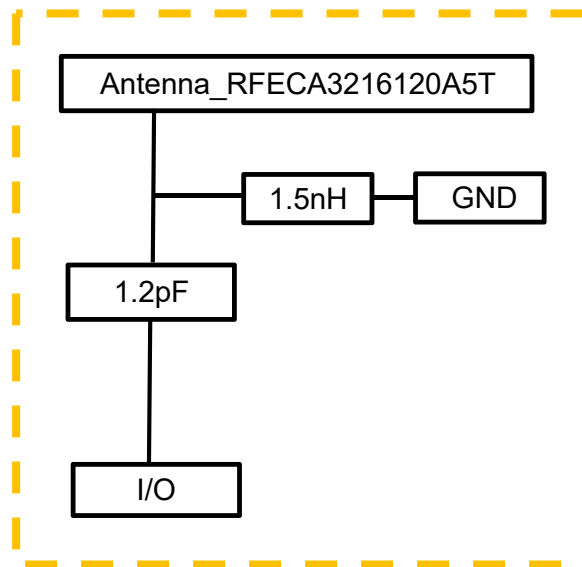


1. Measurement Information

1.2 Antenna Solution Detail

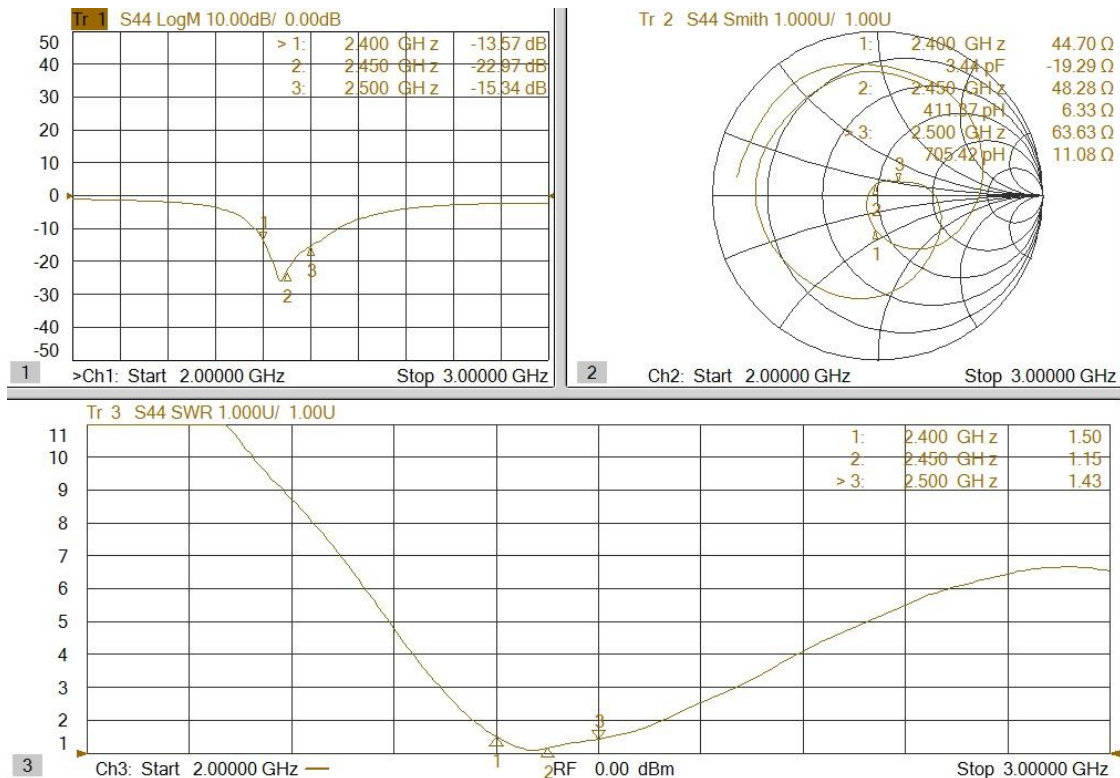


Matching values



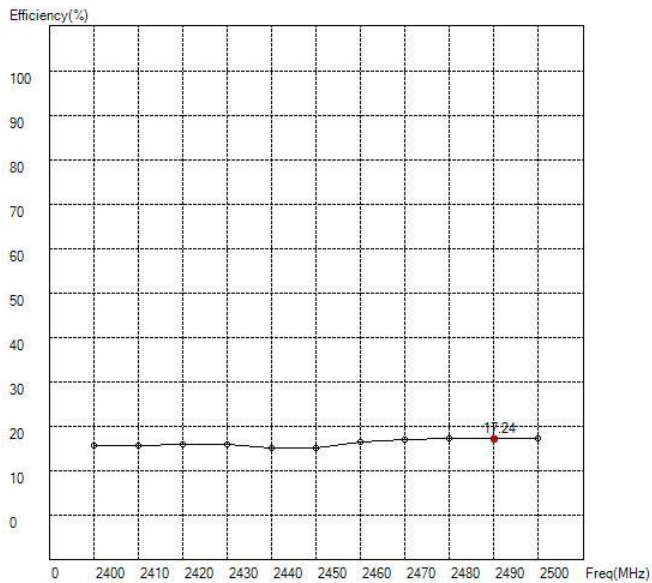
2. Antenna Characteristics

2.1 S-Parameter

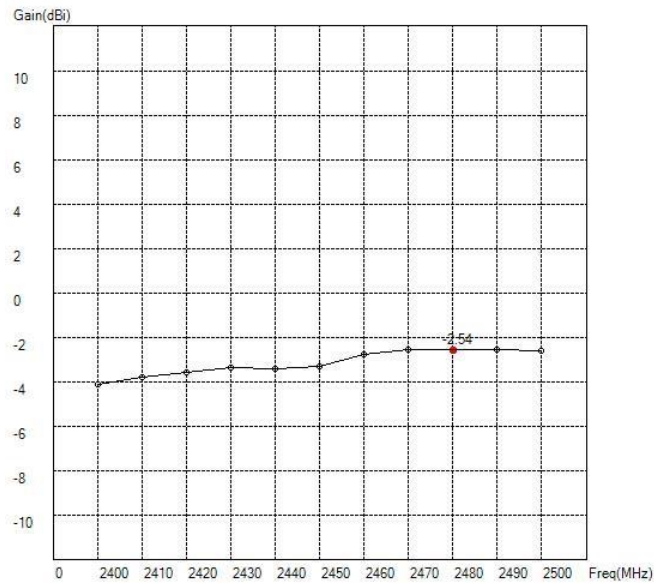


2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2490MHz : 17.24 %

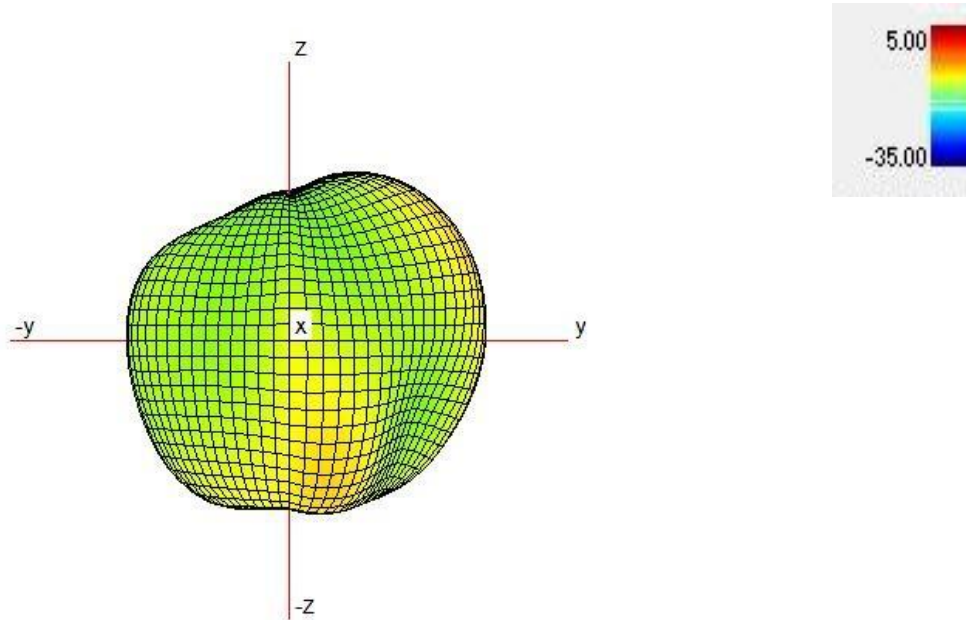


Maximum Peak Gain at 2480 MHz : -2.54 dBi

2. Antenna Characteristics

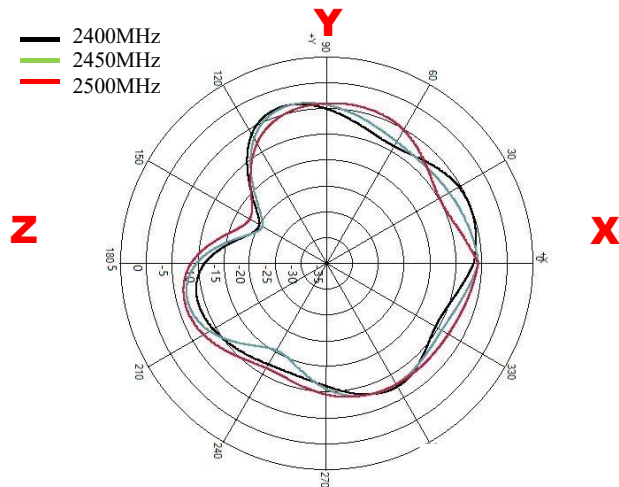
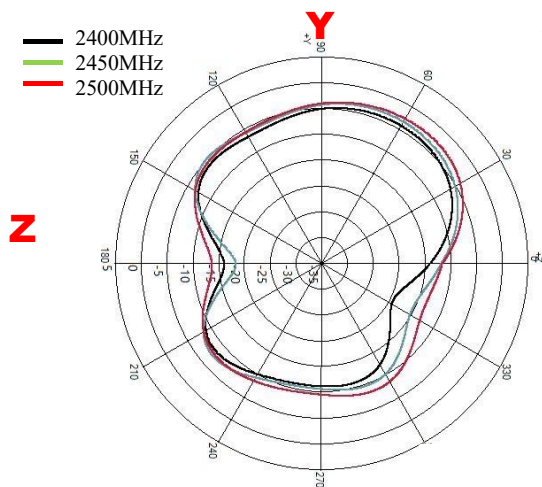
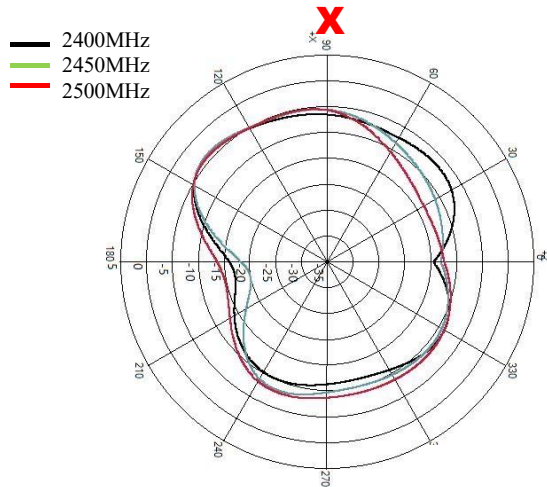
2.3 3D Pattern

2450 MHz



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	-5.11	-8.48	-4.18	-8.27	-5.03	-8.21
2450	-4.96	-8.49	-3.27	-7.29	-4.25	-8.13
2500	-5.04	-8.37	-2.60	-6.71	-3.98	-7.59

2. Antenna Characteristics

2.4 Summary Table

ANT				
Frequency (MHz)	2400	2450	2480	2500
Efficiency (%)	15.55	15.21	17.19	17.19
Peak gain (dBi)	-4.12	-3.27	-2.54	-2.60

Thank you