

PSA

PASSIVE SYSTEM ALLIANCE
WALSIN TECHNOLOGY CORPORATION

ailinkiot_Module A-2.7nH

manufacture:Walsin Technology Corporation

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Version	Date	Description	Author
V01	2019/04/02	New Release	TIAN

OUTLINE

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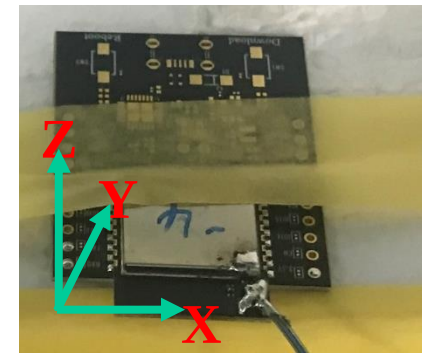
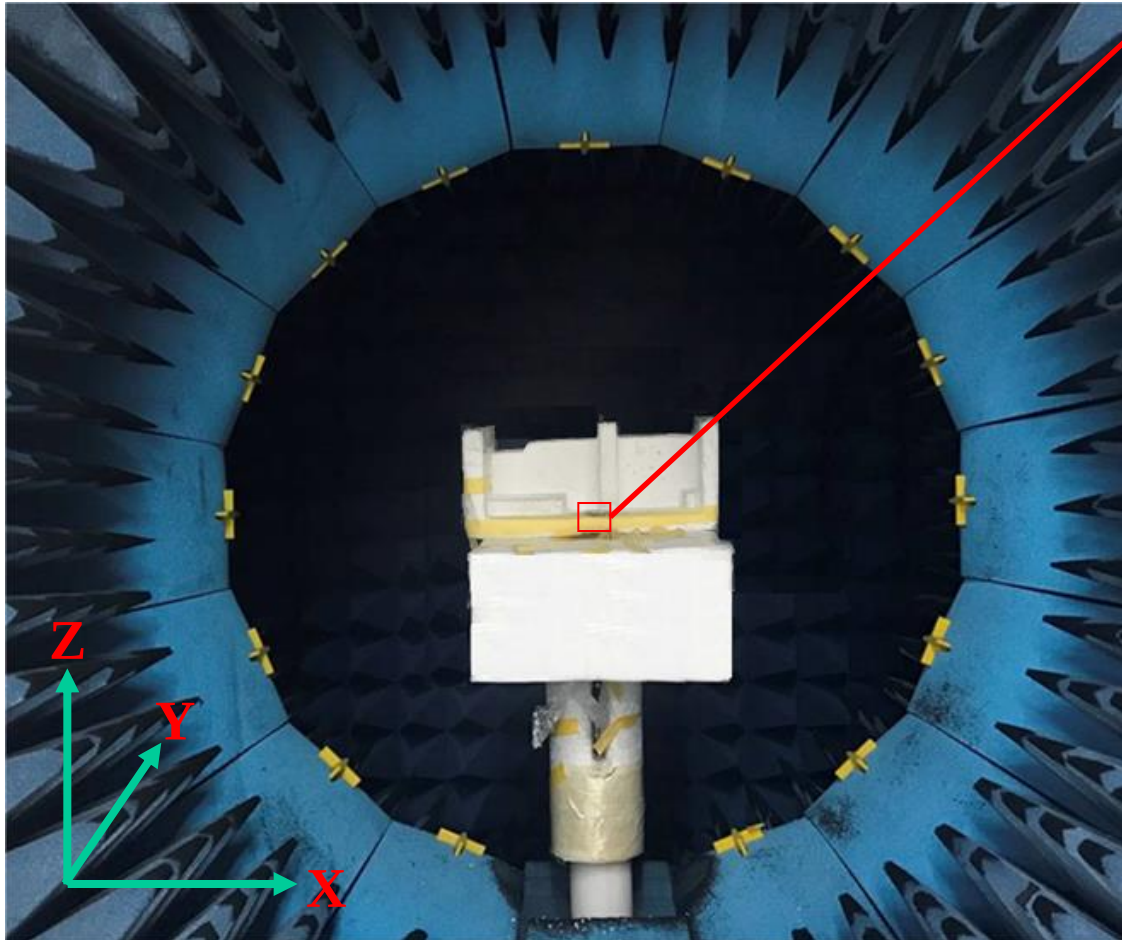
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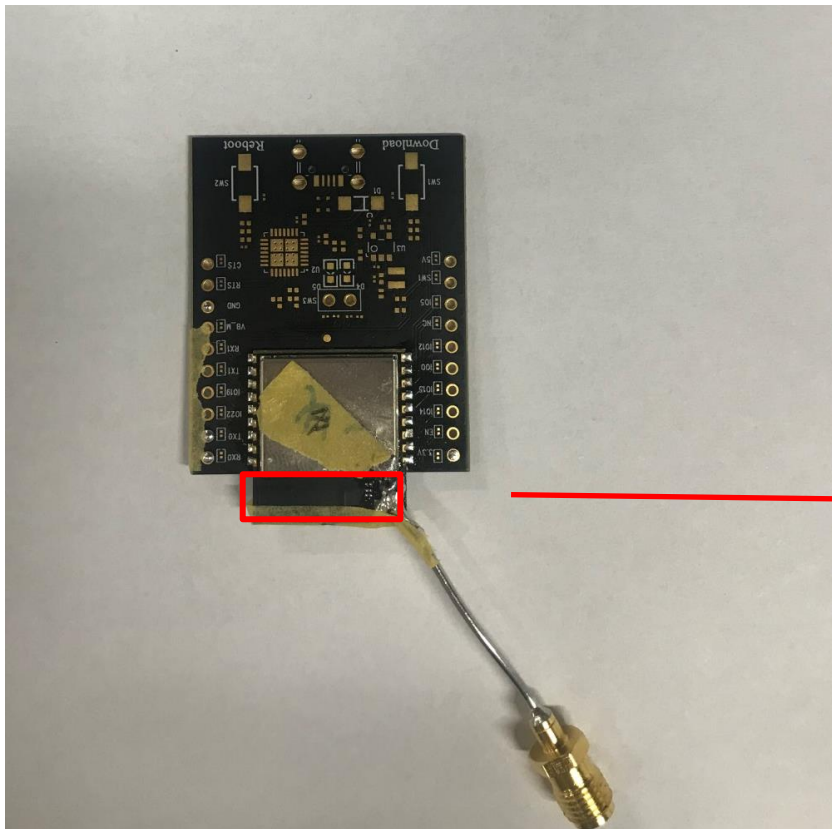
1. Measurement Information

1.1 Experimental Setup



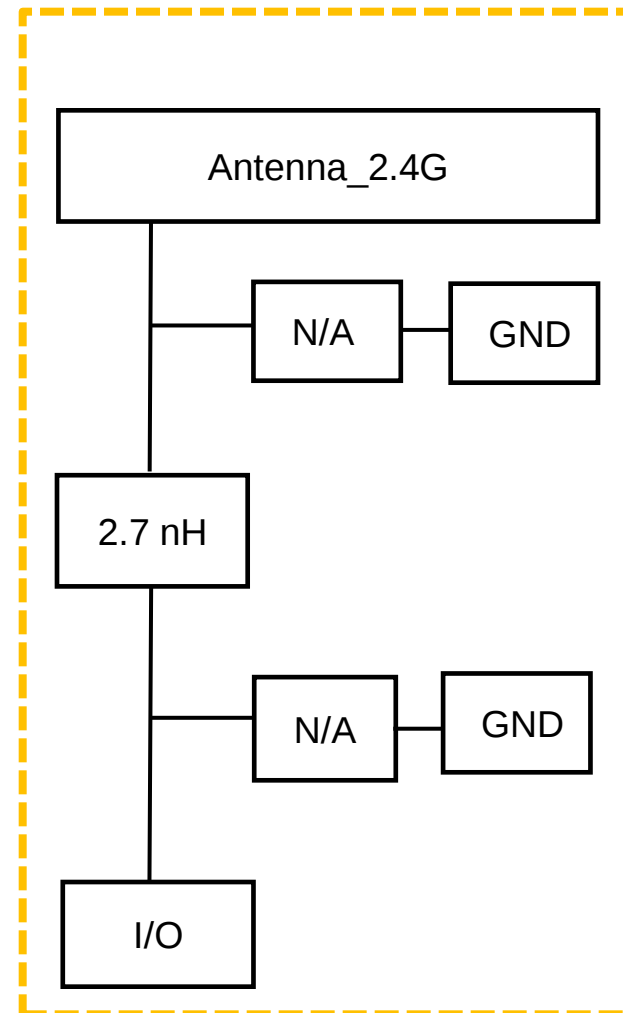
1. Measurement Information

1.2 Antenna Solution Detail



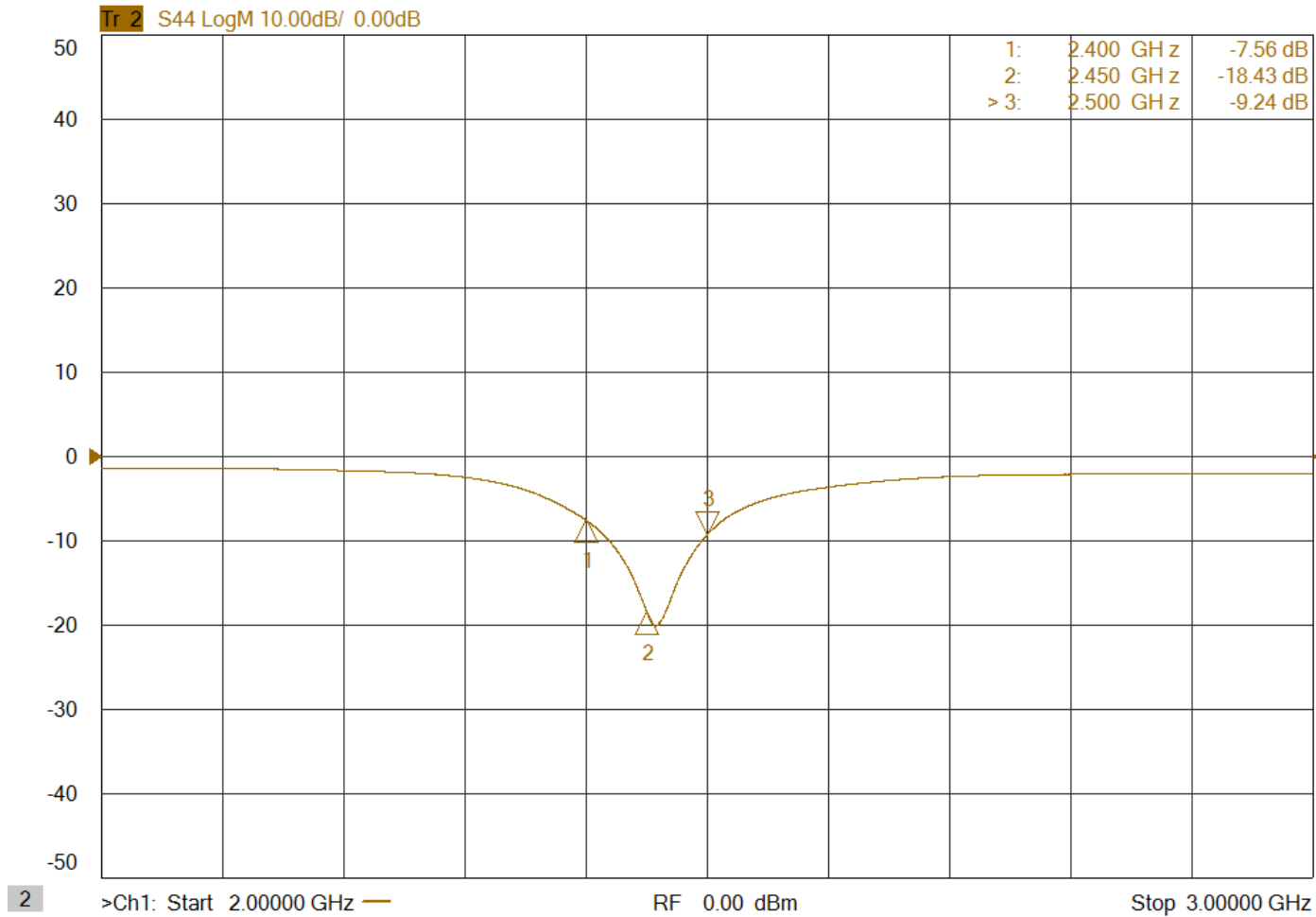
Size: 1.1 * 0.5cm

Matching values



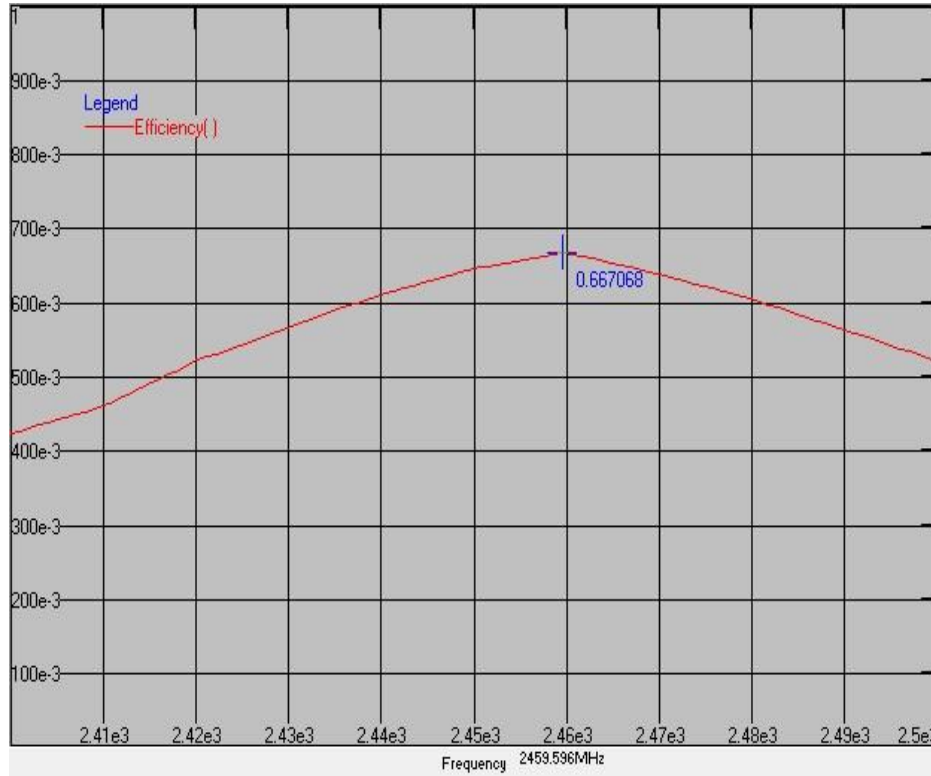
2. Antenna Characteristics

2.1 Return Loss

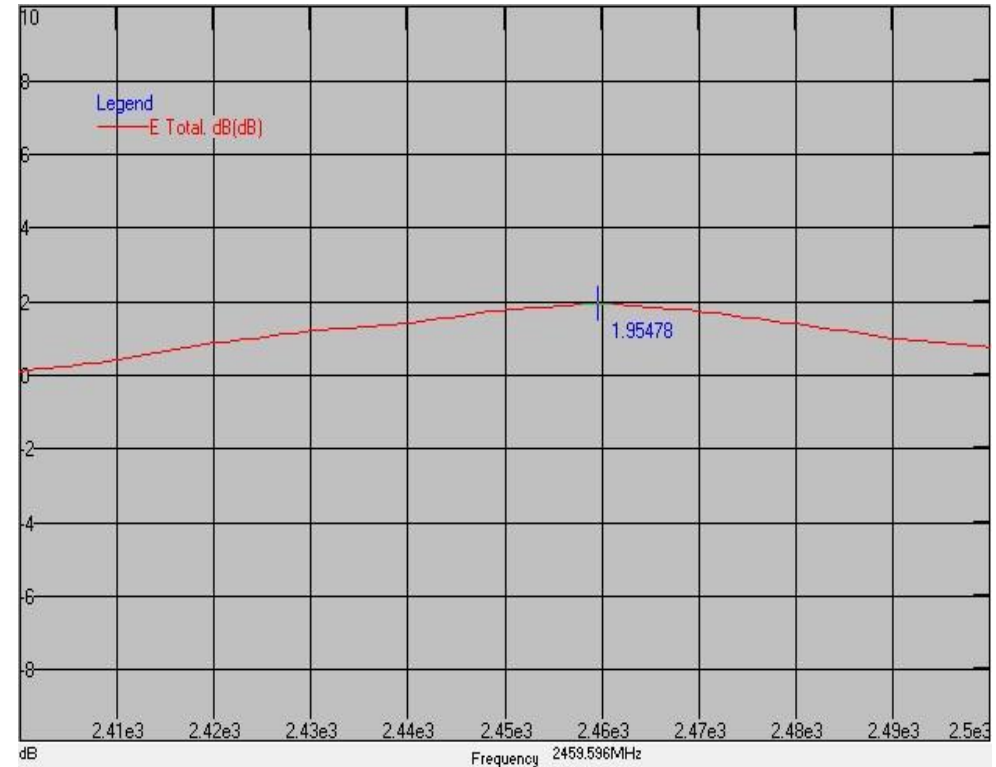


2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2459 MHz : 66.71 %

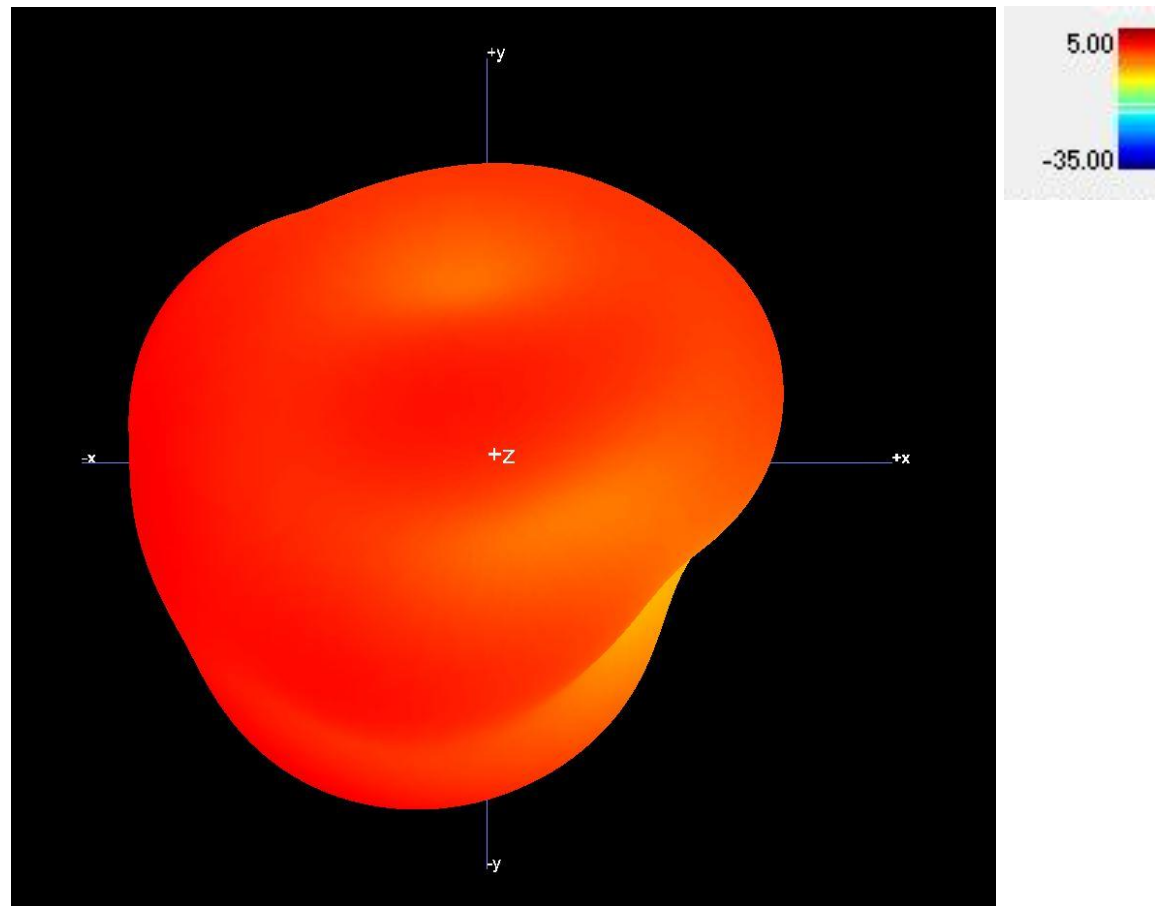


Maximum Peak Gain at 2459 MHz : 1.95 dBi

1. Measurement Information

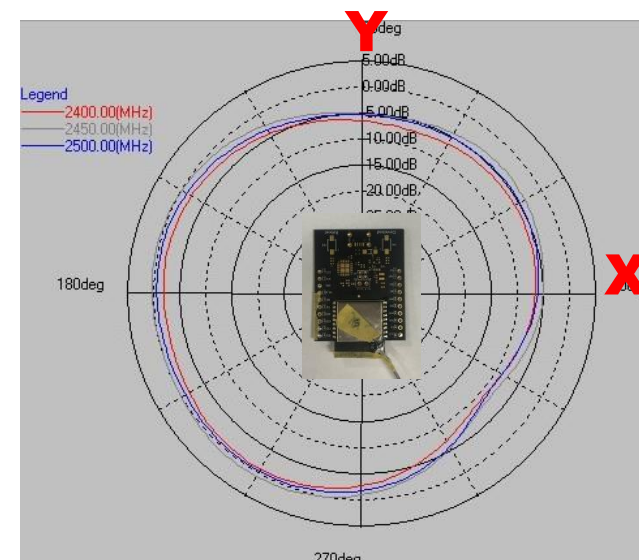
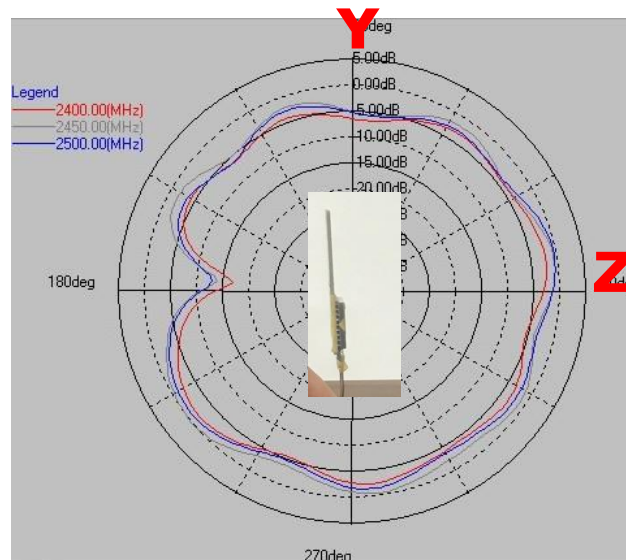
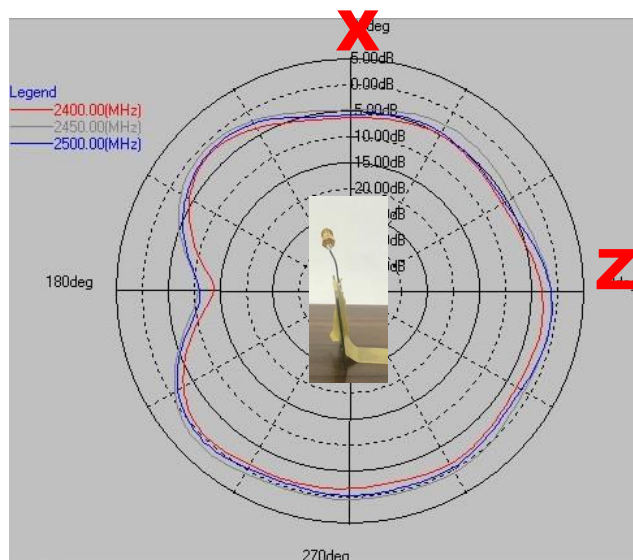
2.3 3D Pattern

2450 MHz



2. Antenna Characteristics

2.3 2D Radiation Patterns



	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
2400	-0.51	-3.58	-1.92	-4.33	-0.90	-3.97
2450	1.52	-1.70	0.05	-2.60	0.72	-2.10
2500	0.50	-2.56	-0.42	-3.30	-0.43	-3.04

2. Antenna Characteristics

2.4 Summary Table

Antenna_2.4G			
Frequency(MHz)	2400	2450	2500
Peak gain(dBi)	0.11	1.79	0.76
Efficiency(%)	42.41	64.67	52.22

Thank you

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