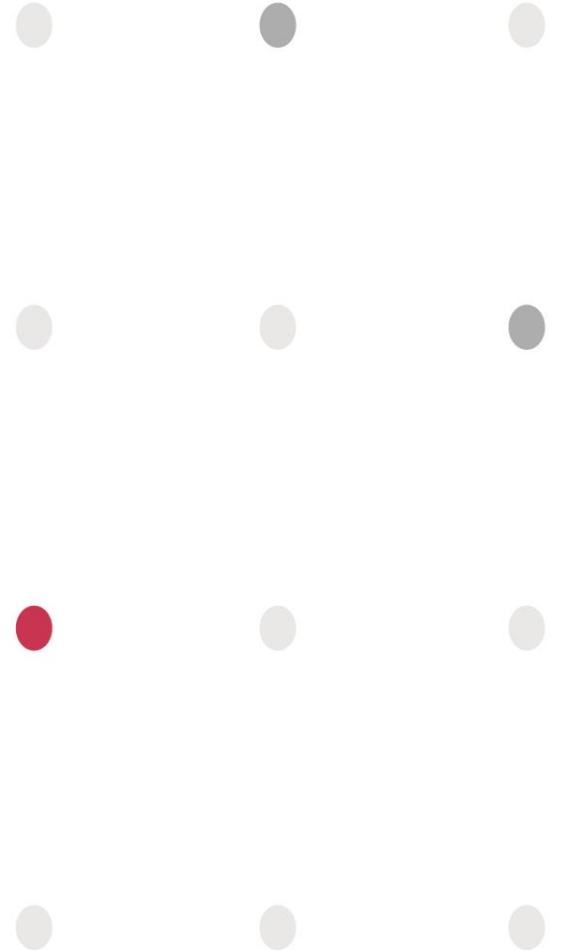


PSA



PASSIVE SYSTEM ALLIANCE
WALSIN TECHNOLOGY CORPORATION

ailinkiot_Module A-2.7nH

manufacture:Walsin Technology Corporation

566-1,Kao-shi Road Yang-Mei,Tao-Yuan,32642,Taiwan,R.O.C.

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

OUTLINE

1. Measurement Information

1.1 Experimental Setup

1.2 Antenna Solution Detail

2. Antenna Characteristics

2.1 Return Loss

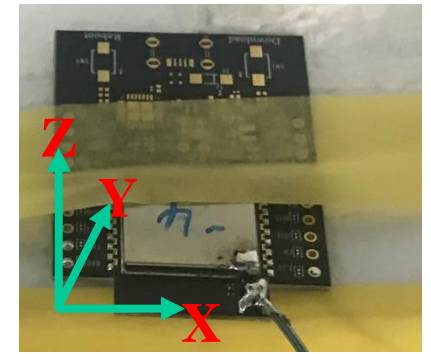
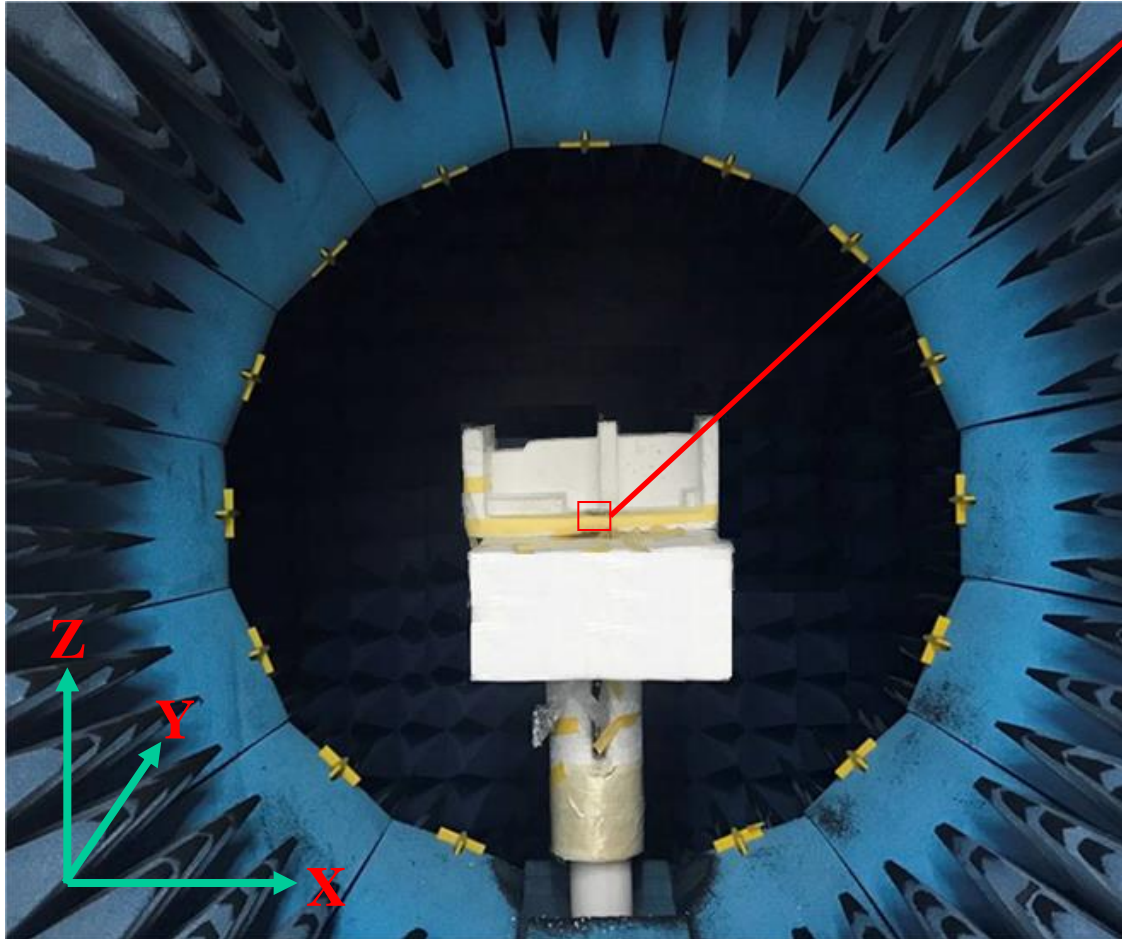
2.2 Antenna Efficiency and Peak Gain

2.3 3D Pattern & 2D Radiation Patterns

2.4 Summary Table

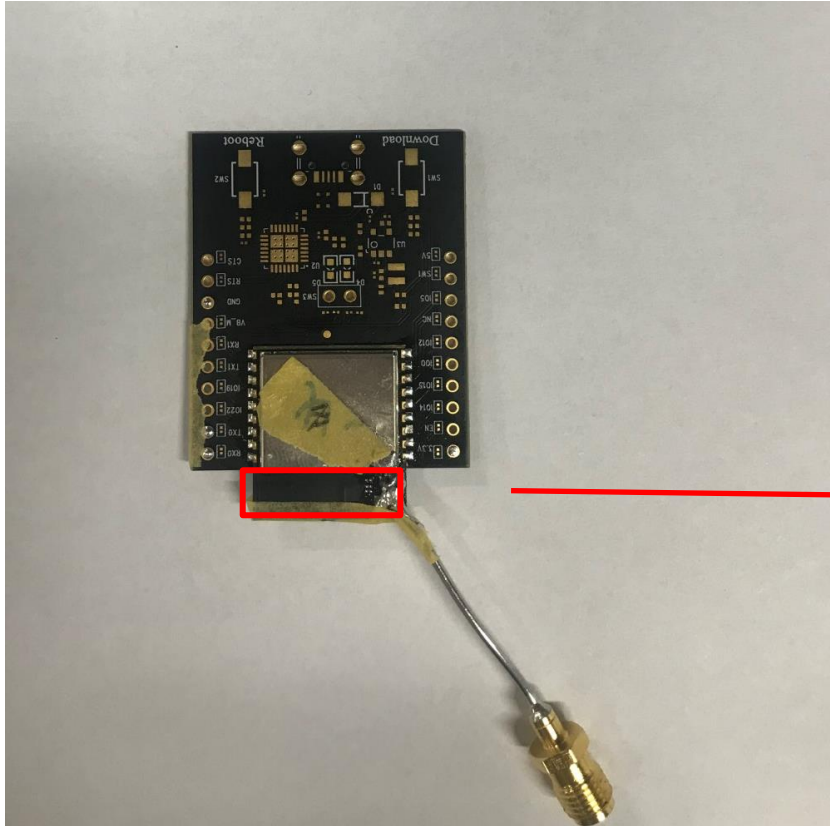
1. Measurement Information

1.1 Experimental Setup



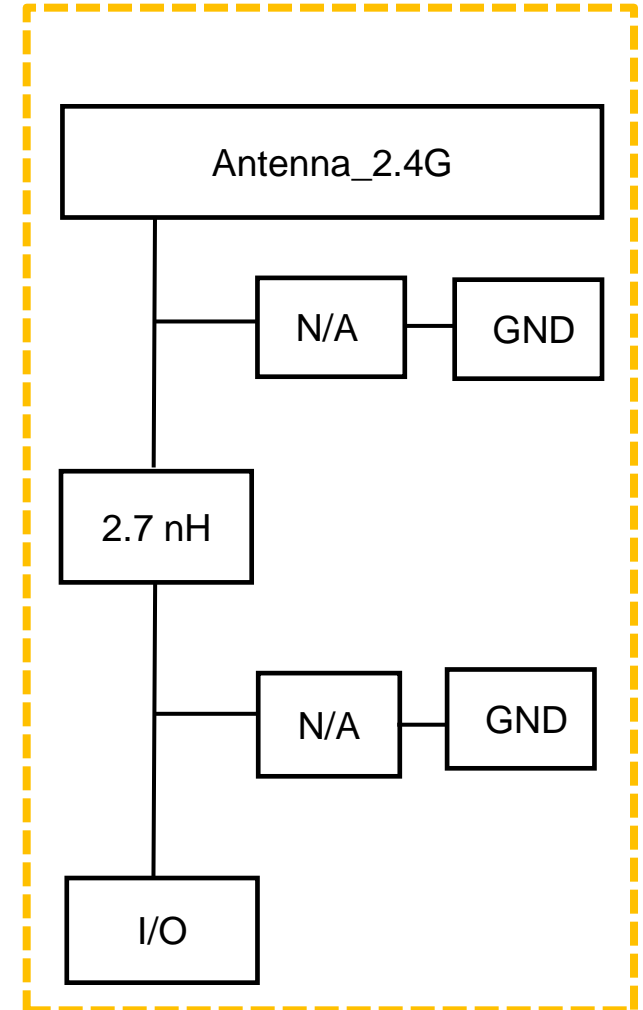
1. Measurement Information

1.2 Antenna Solution Detail



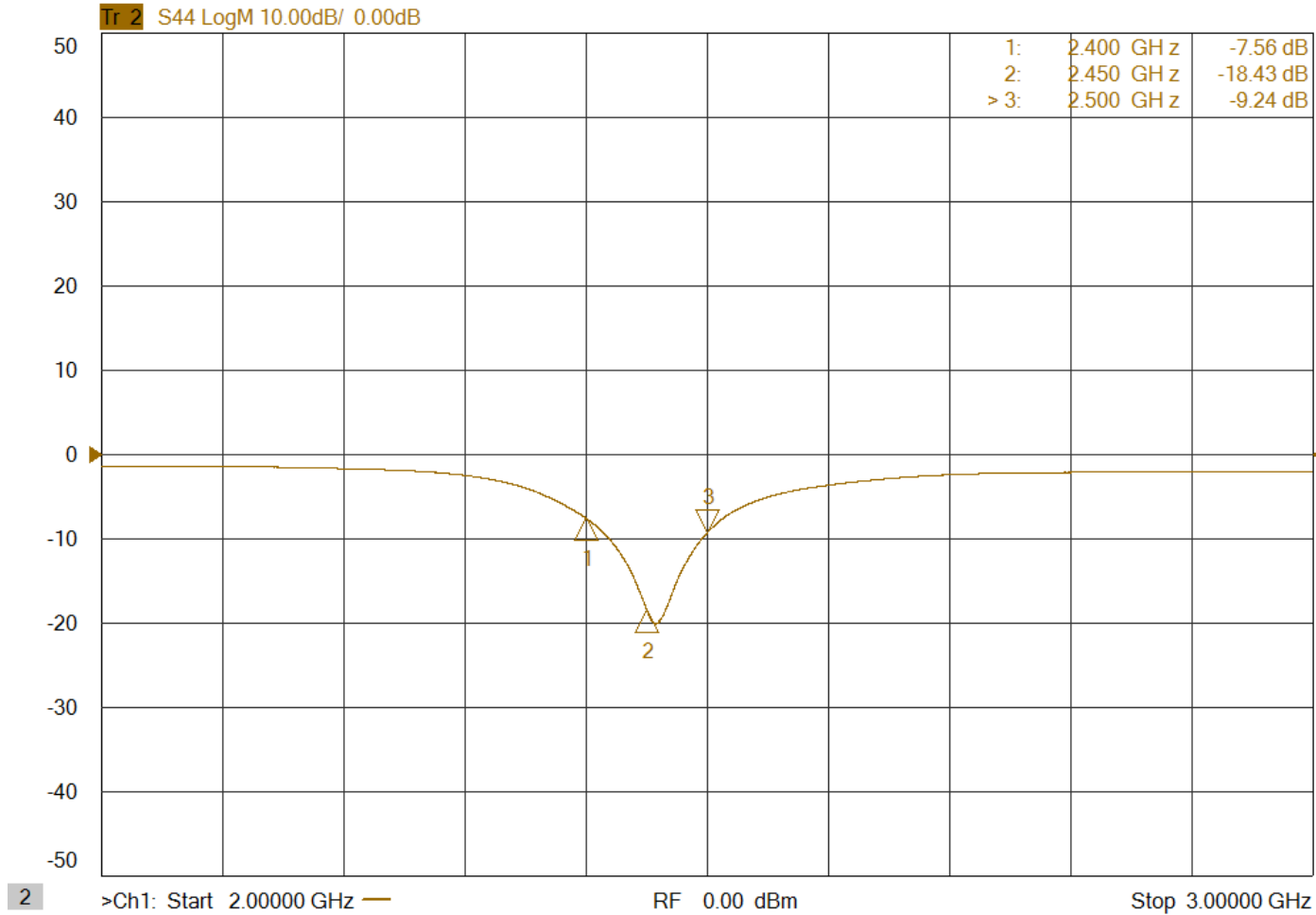
Size: 1.1 * 0.5cm

Matching values



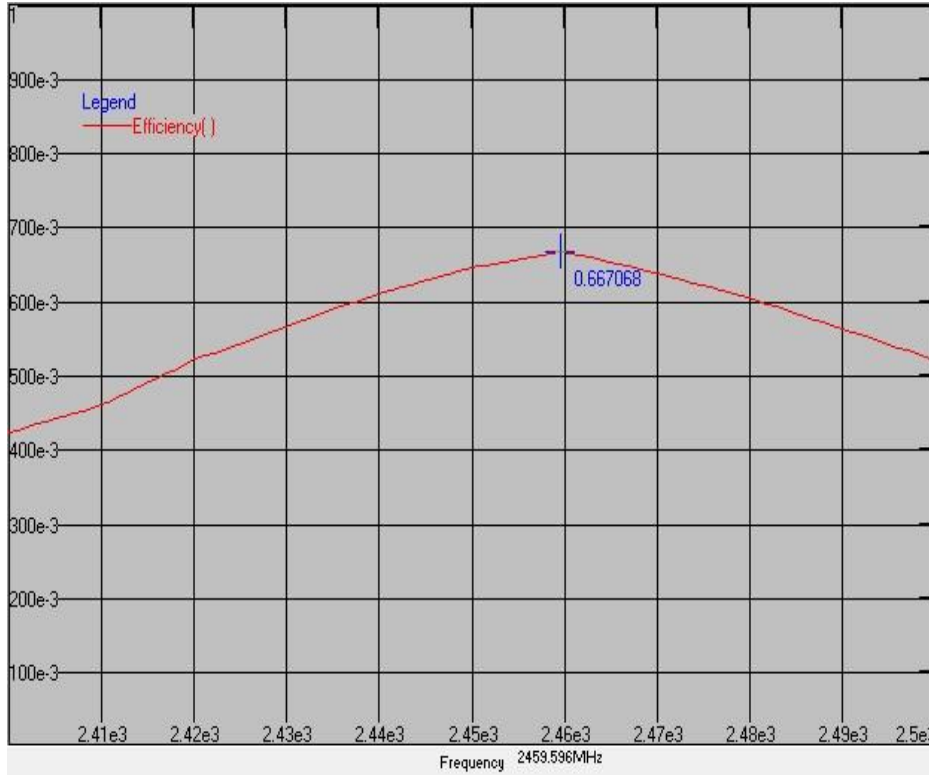
2. Antenna Characteristics

2.1 Return Loss

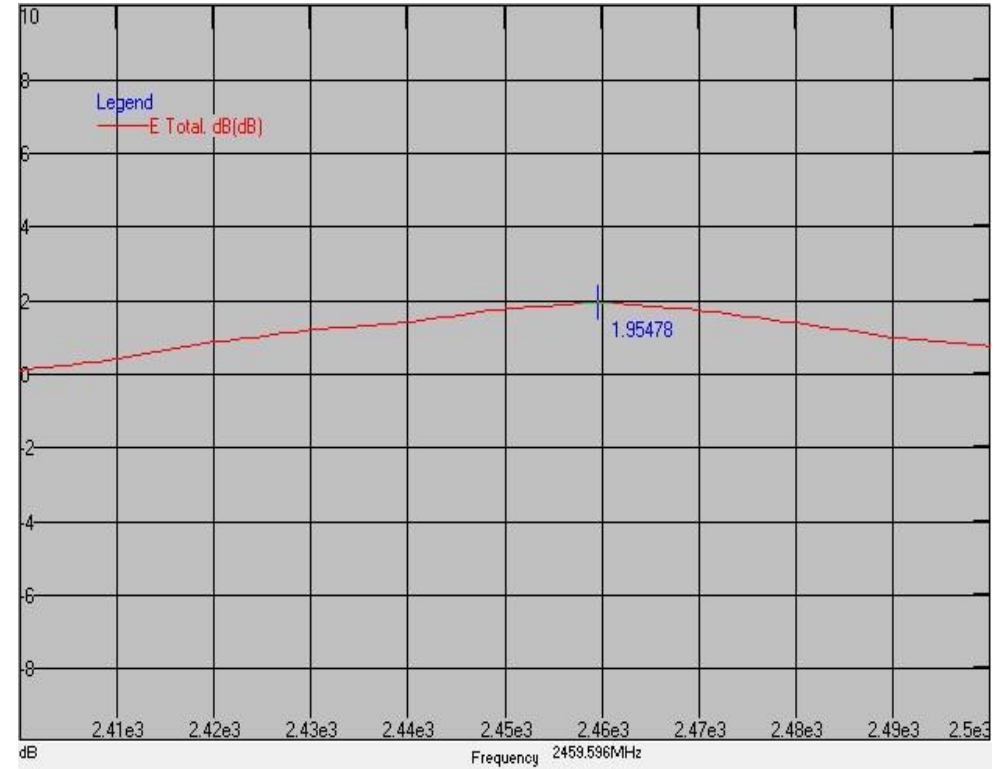


2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain



Maximum Efficiency at 2459 MHz : 66.71 %

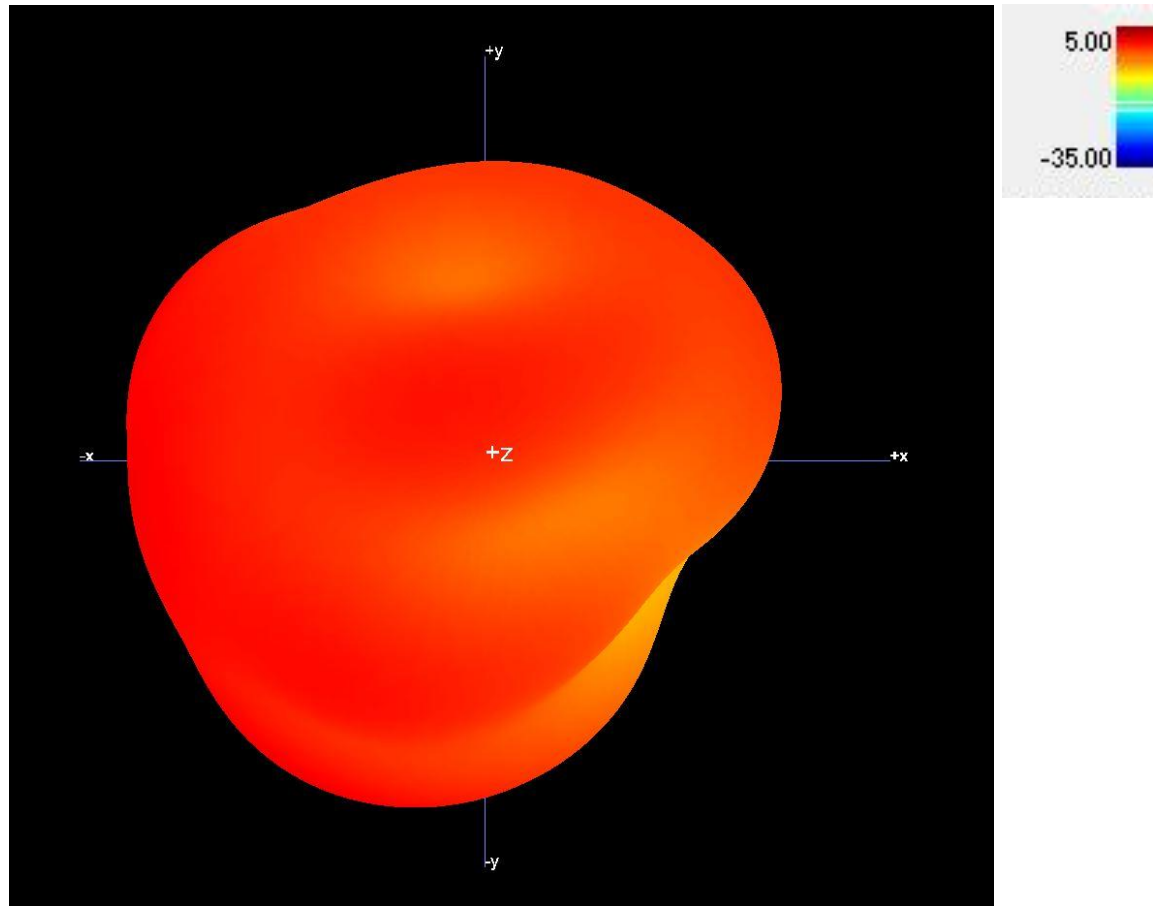


Maximum Peak Gain at 2459 MHz : 1.95 dBi

1. Measurement Information

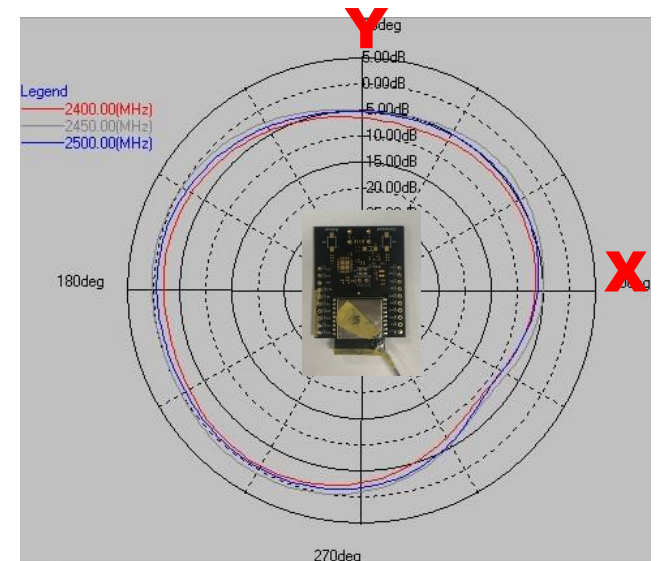
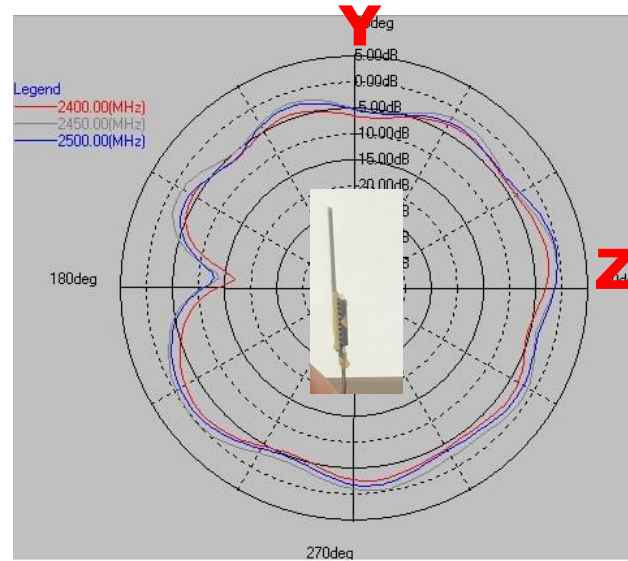
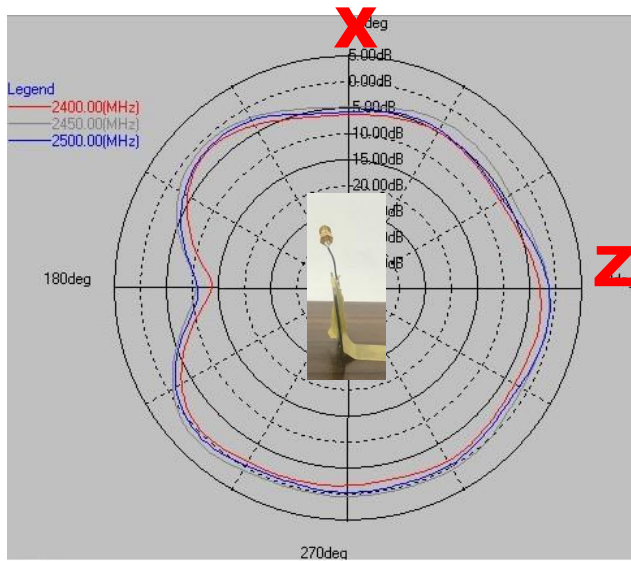
2.3 3D Pattern

2450 MHz



2. Antenna Characteristics

2.3 2D Radiation Patterns



| Frequency [MHz] | ZX plane | | ZY plane | | XY plane | |
|-----------------|----------------|--------------|----------------|--------------|----------------|--------------|
| | 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

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.