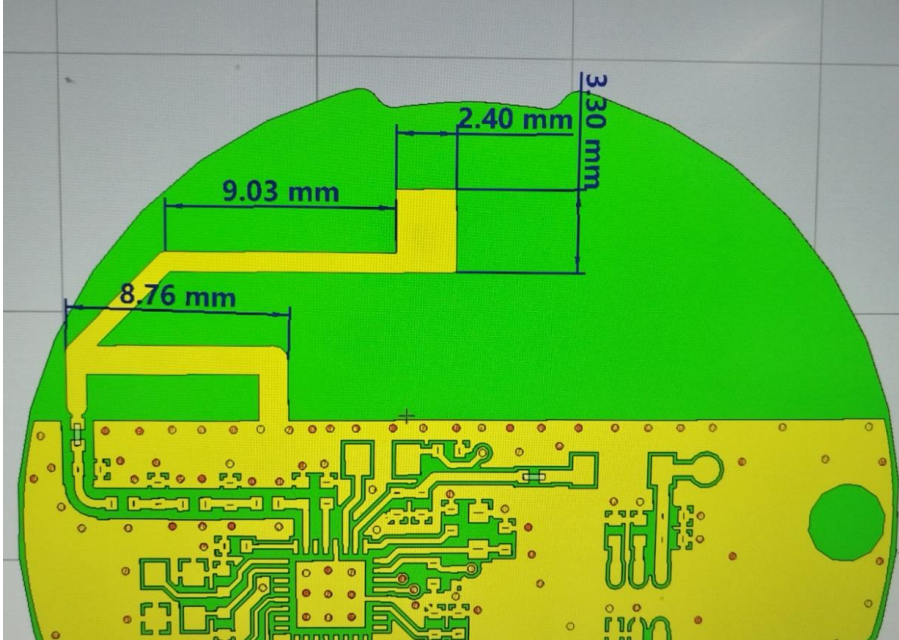


# Q1\_Resiver Antenna Evaluation report \_20251030

- Antenna information
- PCB antenna



### Comments

- PCB antenna
- Supplier: Shanghai Loostone Information Technology Co., Ltd.
- Address: Room 601, Building 9, No. 351, Sizhuan Road, Sijing Town, Songjiang District, Shanghai, China
- Antenna Gain: 3.57dBi

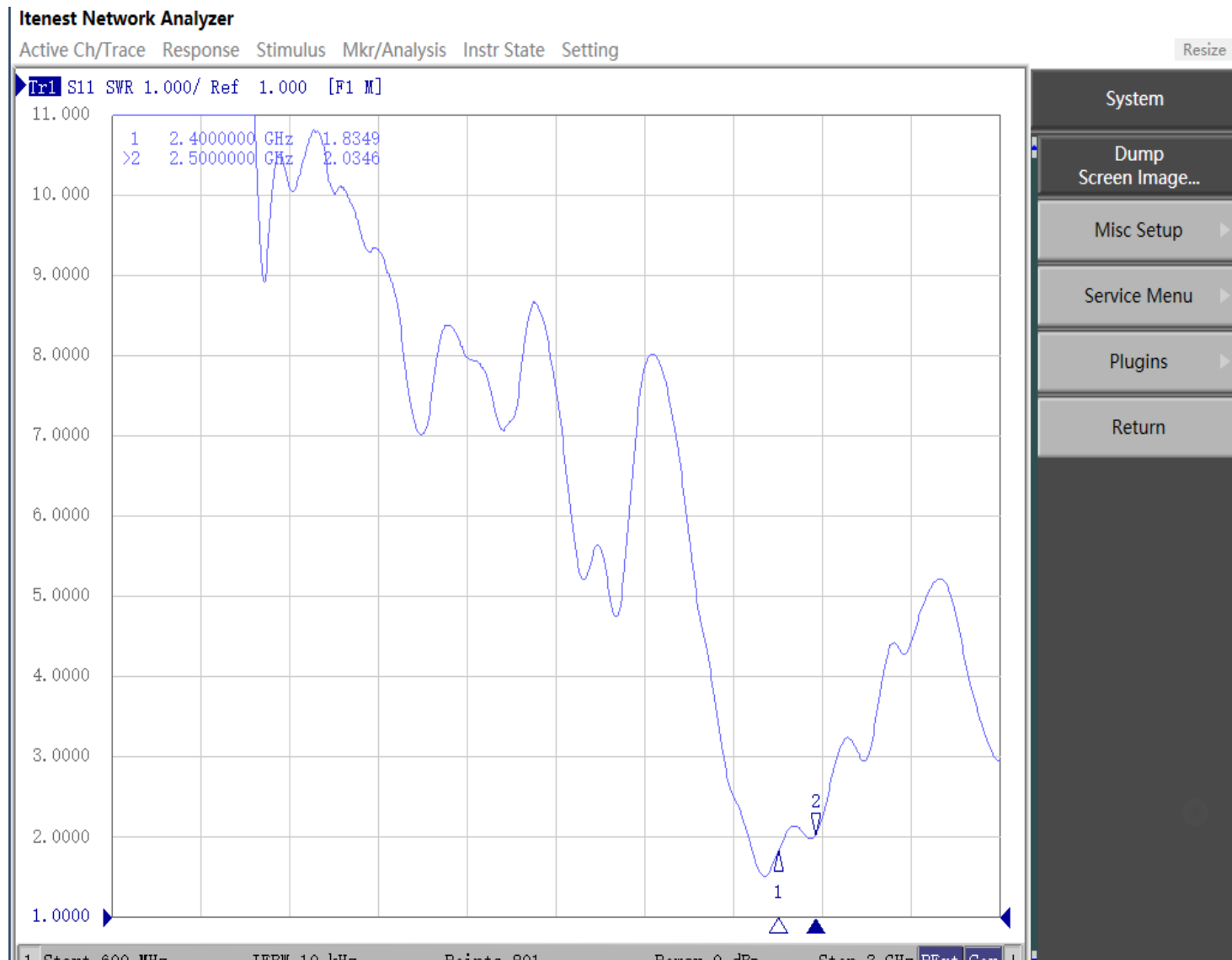
➤ Content

1. Antenna impedance VSWR;
2. Antenna Efficiency;
3. Antenna Gain;
4. Antenna Radiation 2D;

Antenna VSWR as below:

### Comments

- VSWR
- 2400MHz: 1.83
- 2450MHz: 1.92
- 2500MHz: 2.03

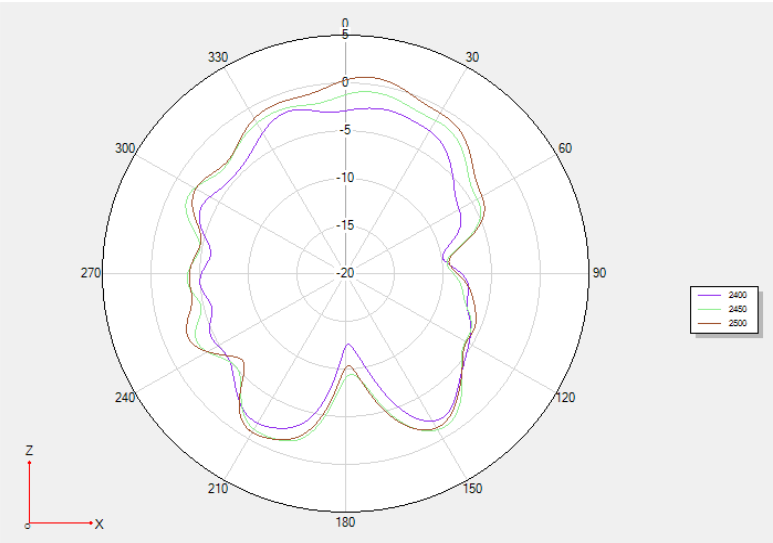


Efficiency and Gain:

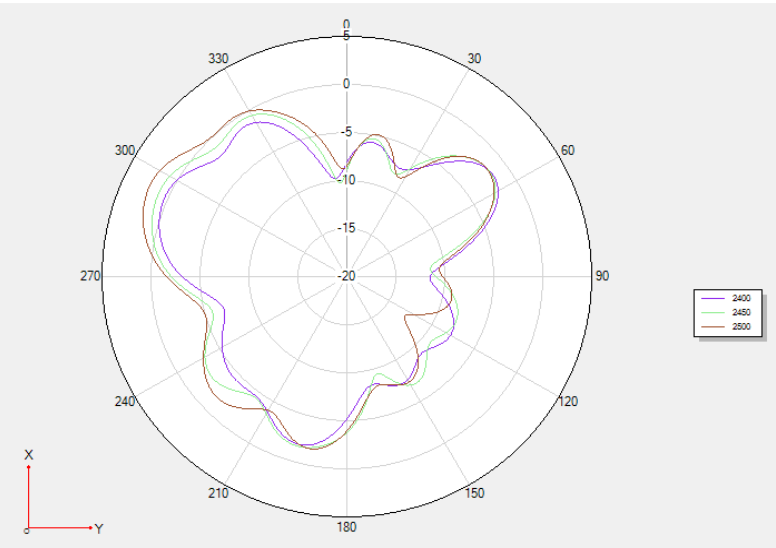
| Frequency/Mhz | Efficiency / dB | Efficiency / % | MaxGain/dBi | AvgGain/dBi |
|---------------|-----------------|----------------|-------------|-------------|
| 2400          | -3.24           | 47.42          | 2.64        | -3.24       |
| 2410          | -2.64           | 54.45          | 2.07        | -2.64       |
| 2420          | -2.22           | 59.98          | 3.57        | -2.22       |
| 2430          | -2.3            | 58.88          | 3.23        | -2.3        |
| 2440          | -2.18           | 60.53          | 2.39        | -2.18       |
| 2450          | -2.02           | 62.81          | 3.34        | -2.02       |
| 2460          | -2.34           | 58.34          | 2.42        | -2.34       |
| 2470          | -2.44           | 57.02          | 2.03        | -2.44       |
| 2480          | -2.45           | 56.89          | 2.83        | -2.45       |
| 2490          | -2.33           | 58.48          | 2.2         | -2.33       |
| 2500          | -2.05           | 62.37          | 2.93        | -2.05       |

Radiation 2D:

$\Phi=0^\circ$



$\Theta=90^\circ$



THANK YOU !