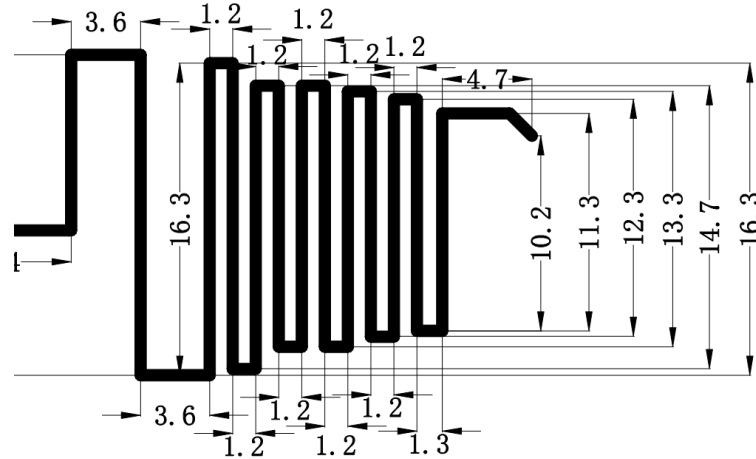
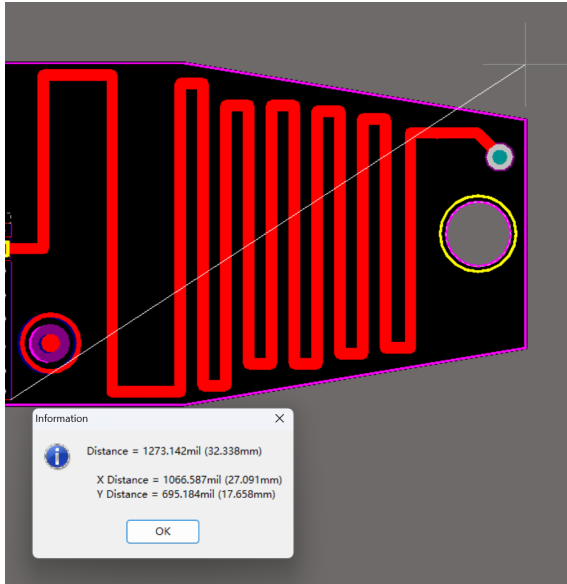


T1 Antenna Evaluation report _20250530

Version	Time	Description
A1	2025/05/30	T1 Antenna first evaluation

- 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: -1.38dBi

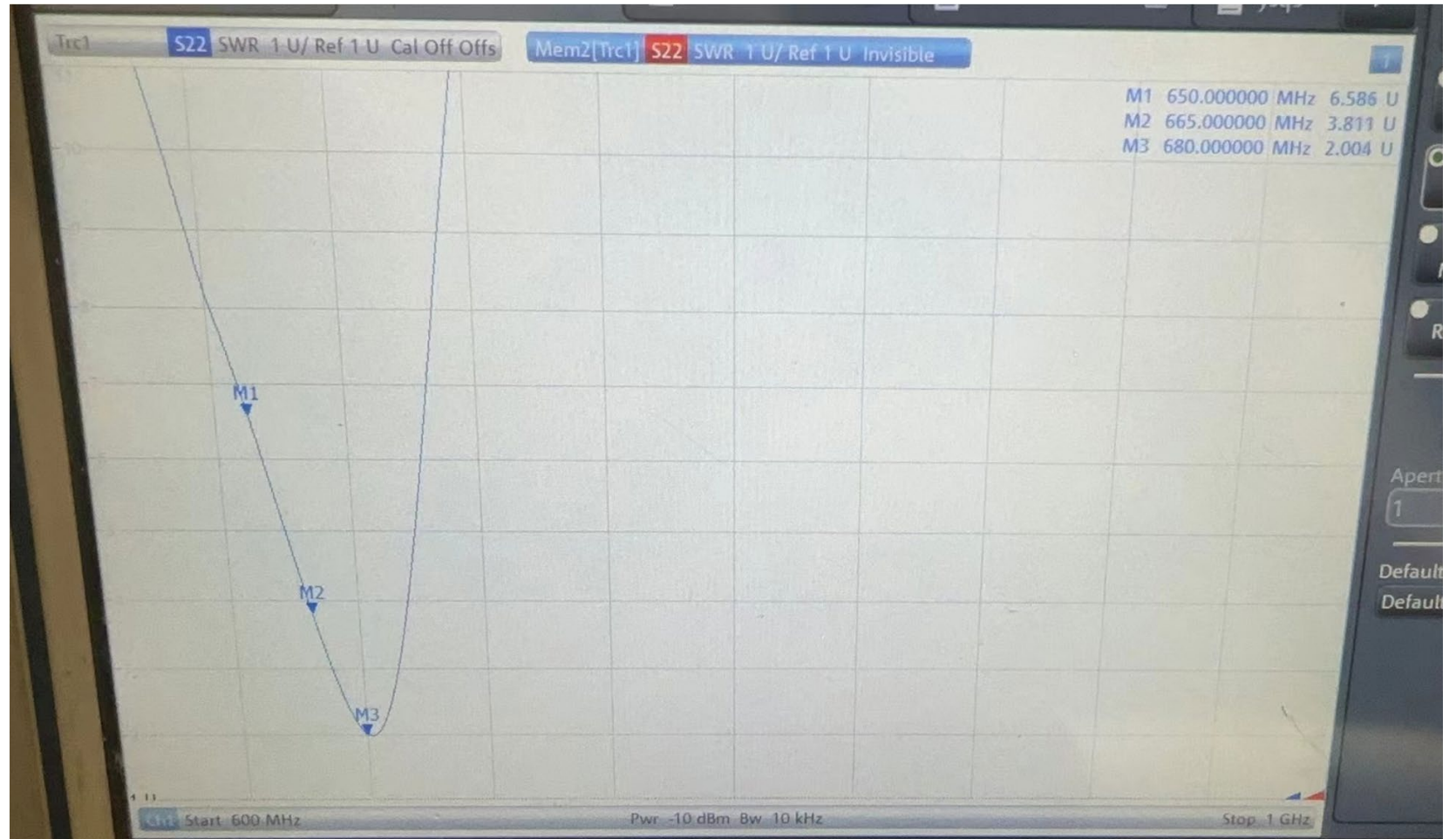
➤ Content

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

Antenna VSWR as below:

Comments

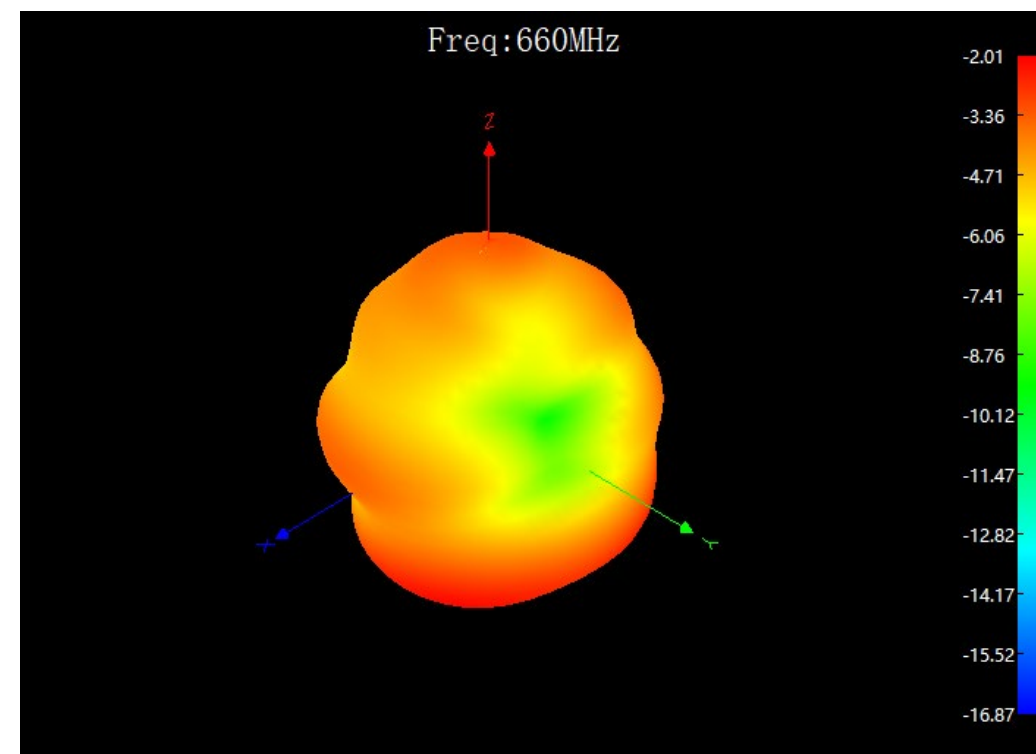
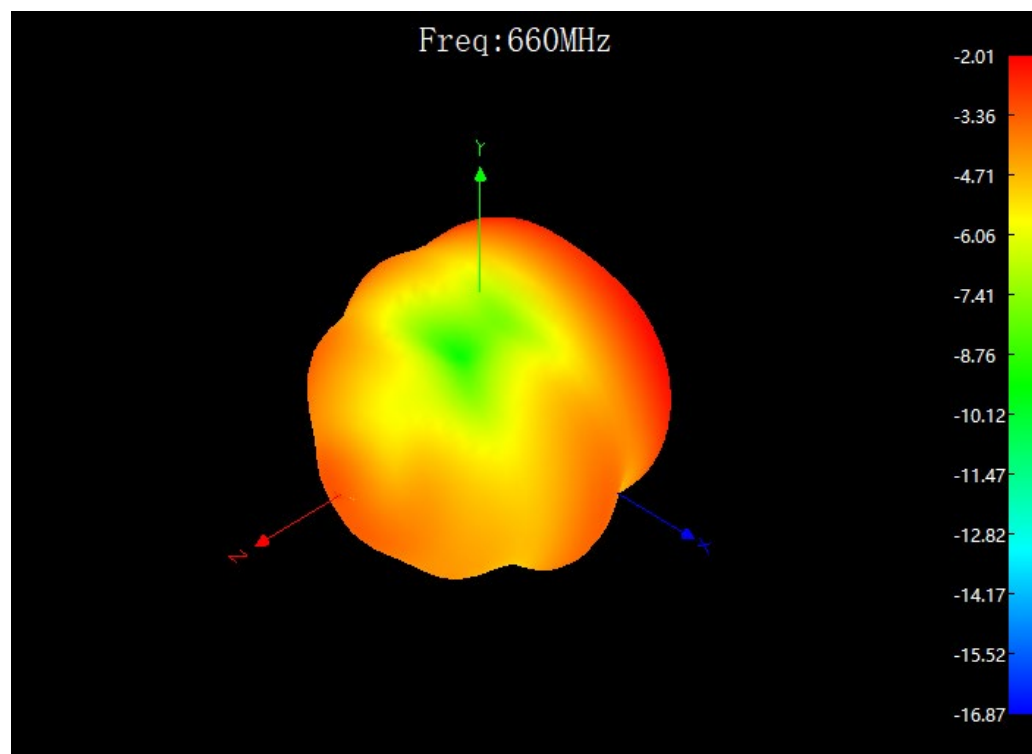
- VSWR
- 650MHz: 6.5
- 665MHz: 3.8
- 680MHz: 2.0



Efficiency and Gain:

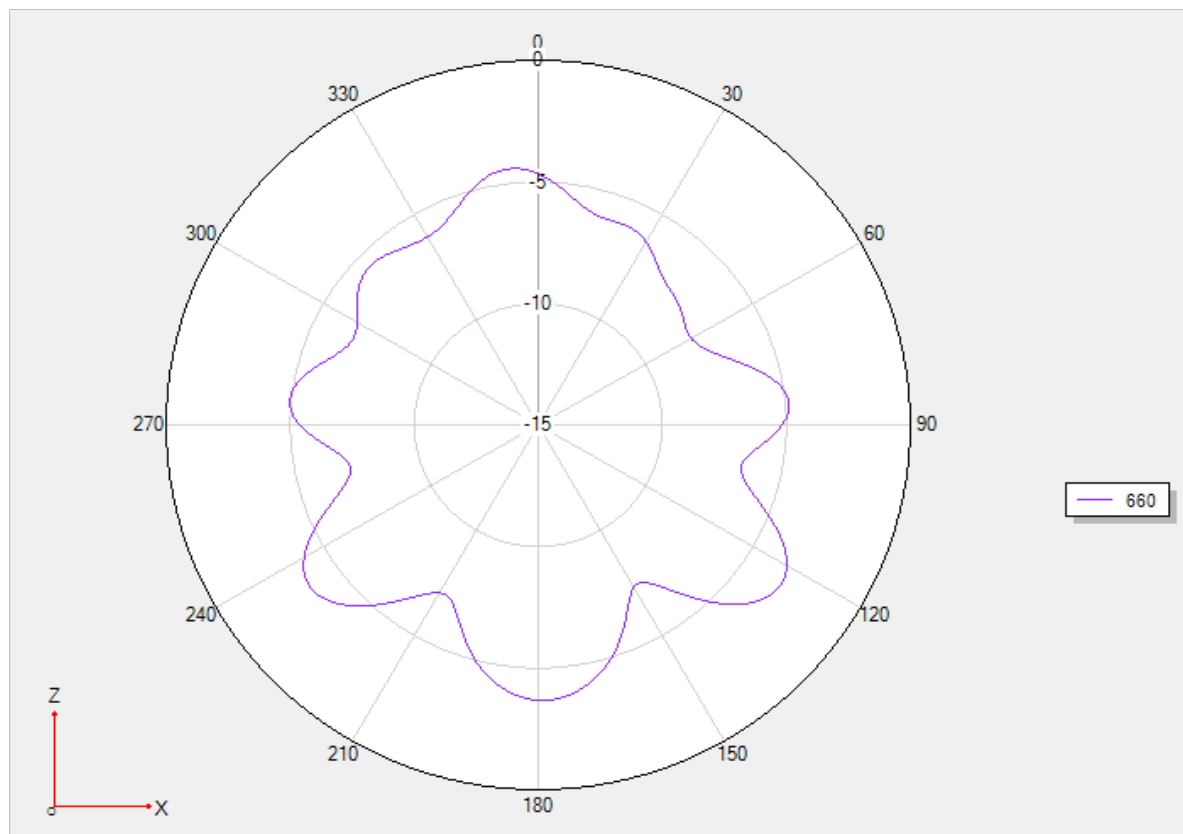
Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi	AvgGain/dBi
650	-10.59	8.73	-4.99	-10.59
655	-10.19	9.57	-3.89	-10.19
660	-9.03	12.5	-2.01	-9.03
665	-8.61	13.77	-1.38	-8.61
670	-7.74	16.83	-0.45	-7.74
675	-7.54	17.62	-0.51	-7.54
680	-7.18	19.14	-0.2	-7.18

Radiation 3D:

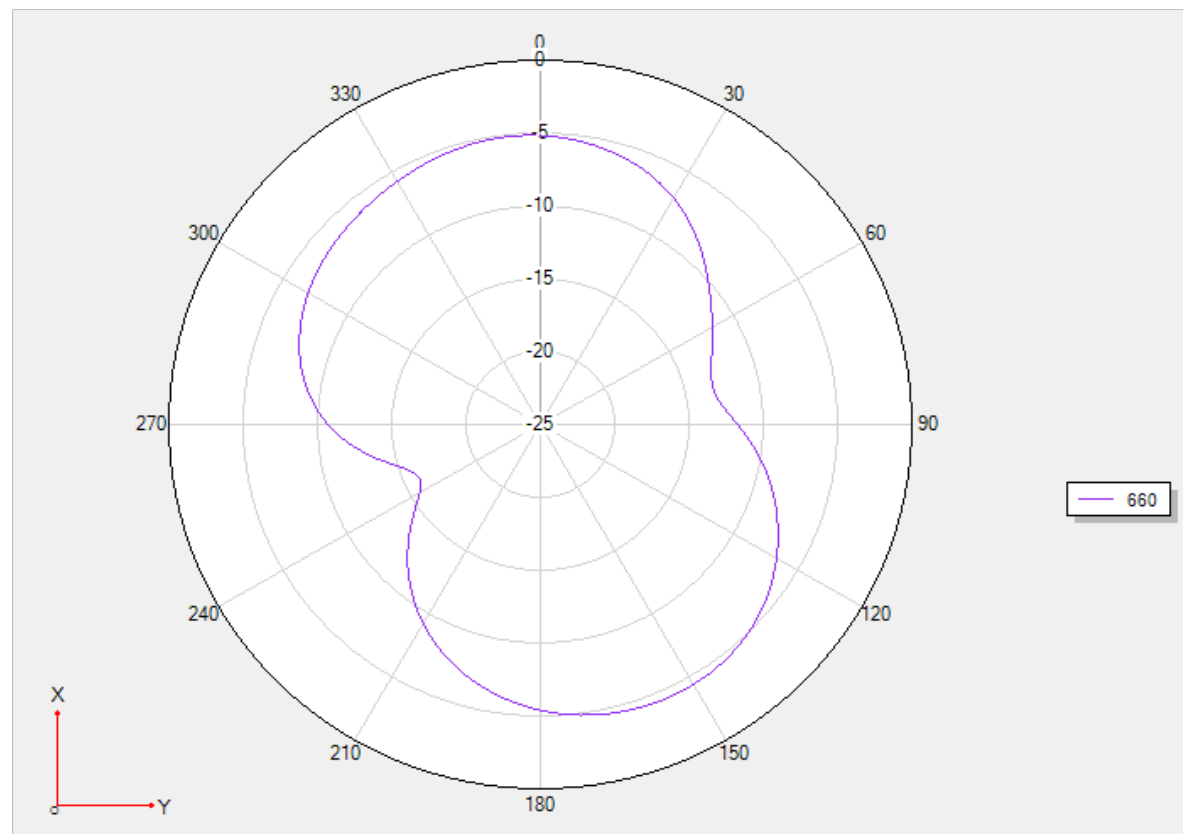


Radiation 2D:

$\Phi = 0^\circ$



$\Theta = 90^\circ$



THANK YOU !