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labamai Antenna Evaluation report _20240418

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- Content

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

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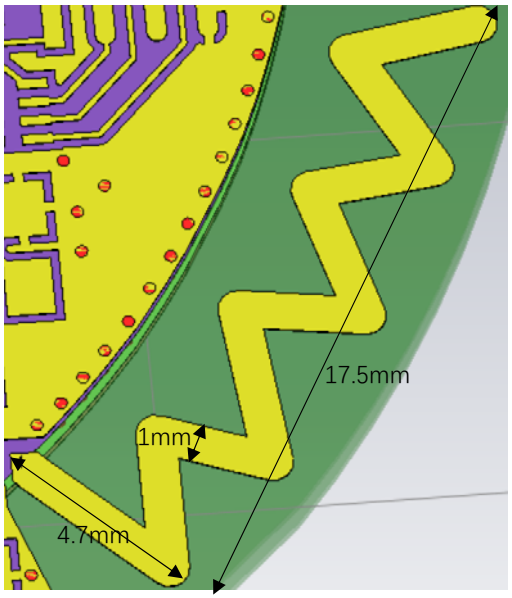
- BT Antenna information



Comments

- **Antenna Type : PCB**
- **Antenna Gain:1.3dBi**
- **input impedance:50Ohm**
- **PCB antenna**
- **Supplier: Shanghai Loostone Information Technology Co., Ltd.**
- **Address: Room 601, Building 9, No. 351, Sizhuan Road,Sijing Town, Songjiang District,Shanghai,China**

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BT Antenna VSWR as below：

Comments

- VSWR
- 2400MHz：2.0
- 2450MHz：1.53
- 2500MHz：1.66

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BT Efficiency and Gain：

Frequency/ Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi	AvgGain/dBi
2402	-4.7	33.7	-0.4	-4.7
2404	-4.6	34.7	-0.4	-4.6
2408	-4.4	36.6	-0.5	-4.4
2410	-4.2	37.8	-0.7	-4.2
2412	-4.1	38.9	-0.2	-4.1
2414	-4.0	39.8	0.1	-4.0
2416	-3.9	40.5	0.1	-3.9
2418	-3.9	40.9	0.3	-3.9
2422	-3.8	41.4	0.7	-3.8
2424	-3.8	41.5	0.6	-3.8
2426	-3.8	41.8	0.7	-3.8
2430	-3.8	41.3	1.0	-3.8
2432	-3.9	40.6	0.9	-3.9
2434	-3.9	40.6	0.9	-3.9
2436	-3.9	41.1	0.7	-3.9
2438	-3.8	41.5	0.5	-3.8
2440	-3.8	41.5	0.2	-3.8
2442	-3.8	41.4	0.2	-3.8
2444	-3.9	40.9	0.3	-3.9
2448	-3.8	41.7	1.0	-3.8
2452	-3.7	42.9	1.3	-3.7
2454	-3.8	42.2	1.2	-3.8
2460	-3.9	40.6	1.1	-3.9
2462	-4.0	40.3	1.0	-4.0
2464	-4.0	40.3	1.1	-4.0
2466	-4.0	40.3	1.1	-4.0
2468	-4.0	40.1	0.8	-4.0
2480	-4.0	40.1	1.1	-4.0
2482	-4.0	40.2	1.0	-4.0
2484	-3.9	40.6	1.0	-3.9

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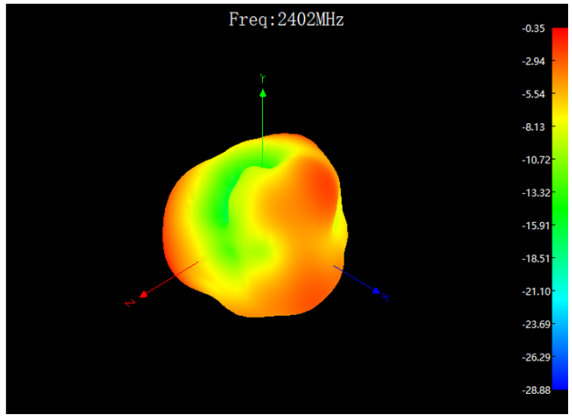
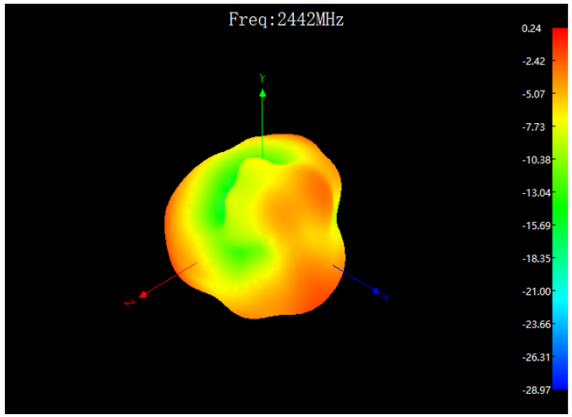
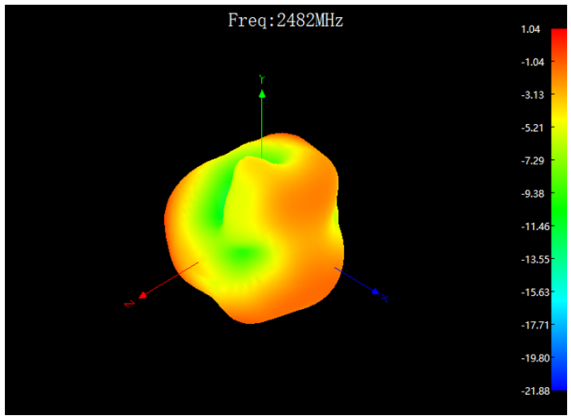
BT Radiation 3D：







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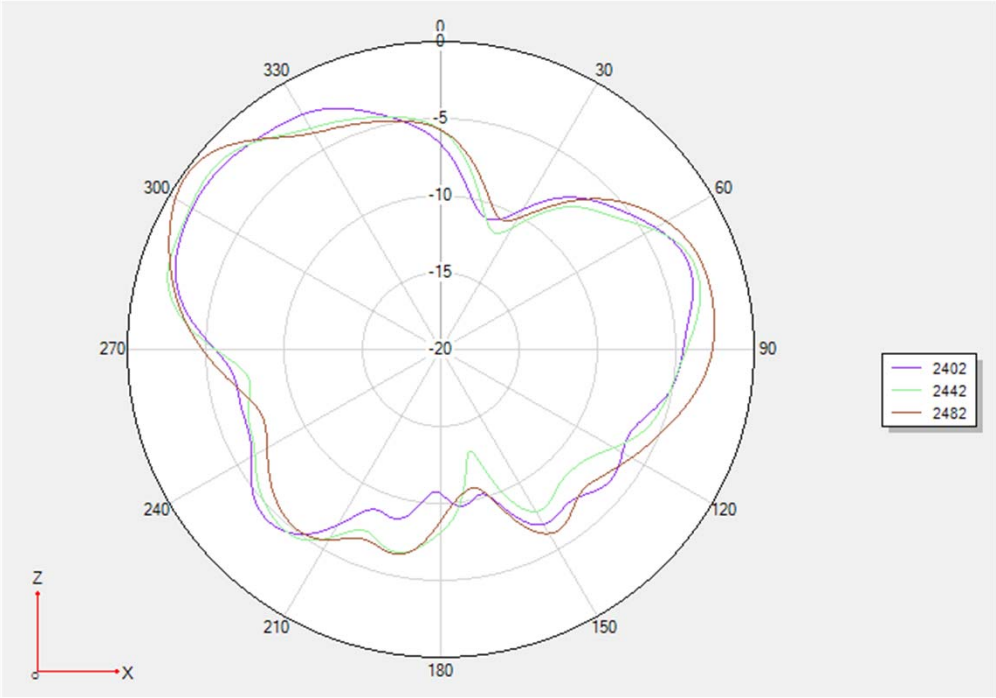
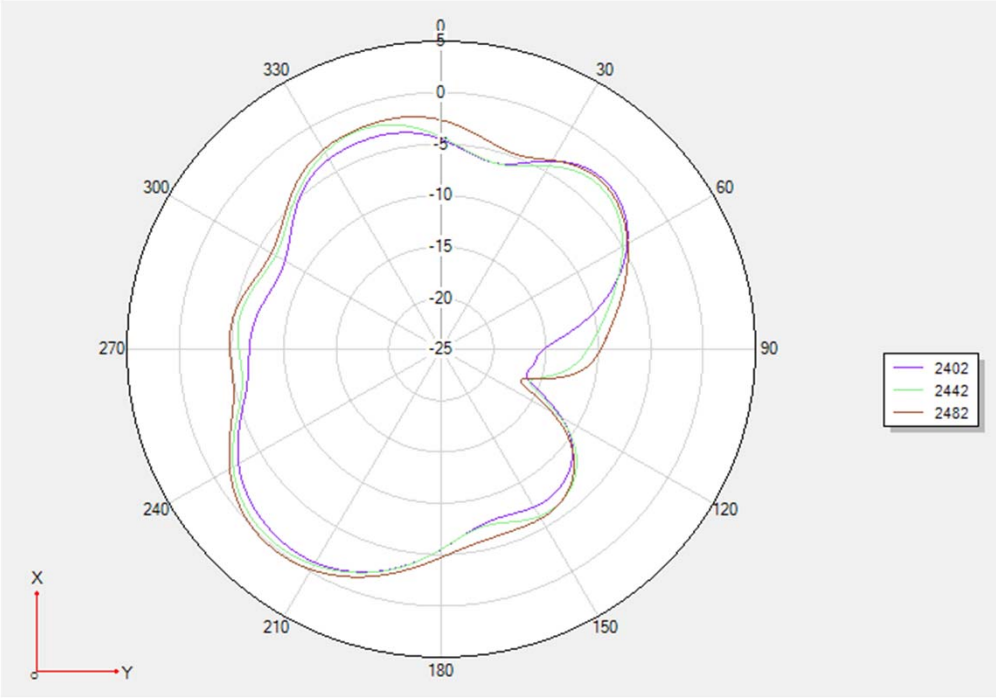
BT Radiation 2D：

Phi=0°



Theta=90°



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THANK YOU !