



External

LoveHoney Group

Antenna Technical Specifications & Operation Description, WeVibe Melt2 (810-00529)

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This Device is included Bluetooth Low Energy (version 5.0); designed for wireless communication in 2.4GHz ISM band and GFSK modulation. For more details refer to the user manual.

Image of the Antenna & Specifications:

- Antenna Type: 29 AWG enameled copper wire ~28 mm length
- Mounting: Soldered directly on PCB
- Frequency range: 2.400 – 2.480 GHz

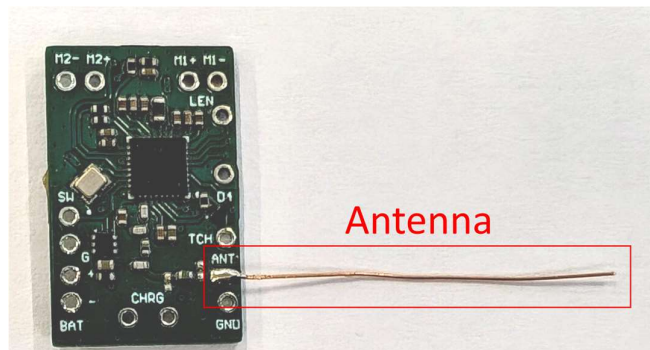


Figure 1: Antenna mounted on PCB

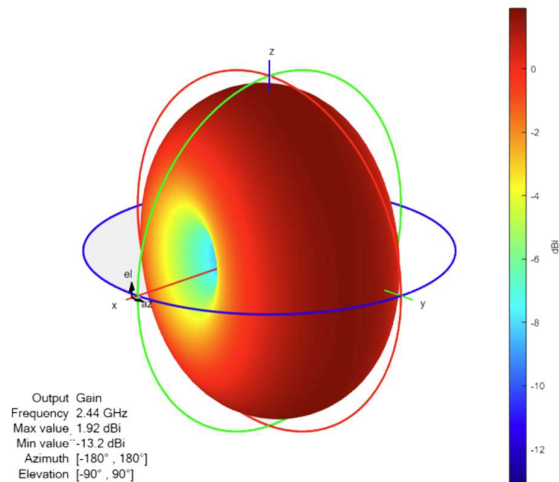
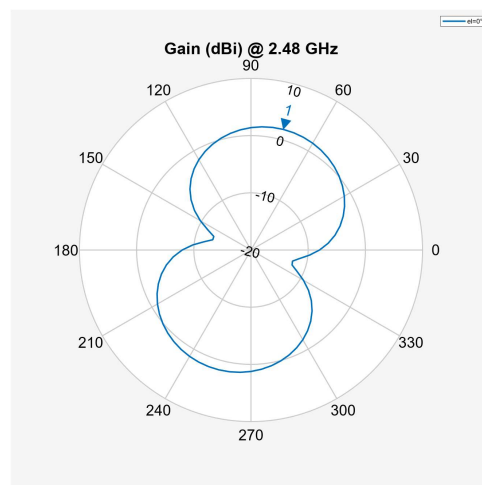
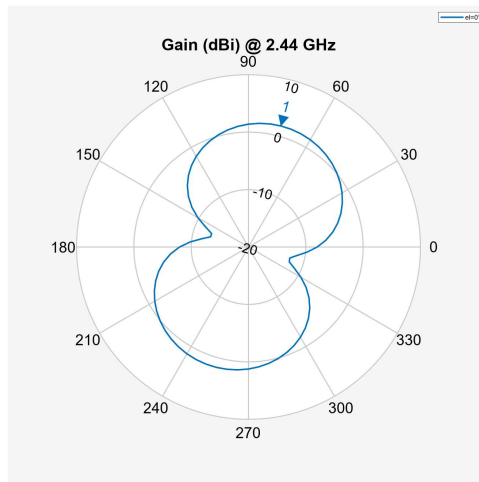
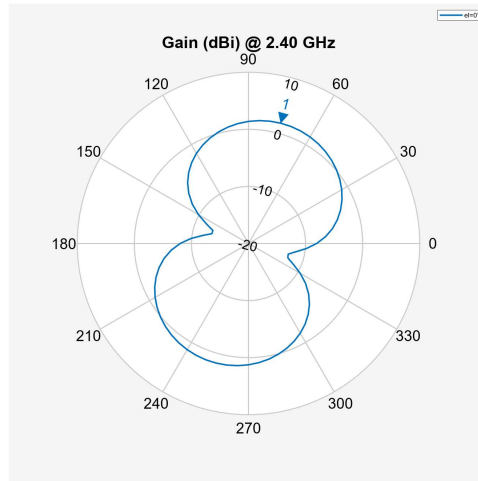
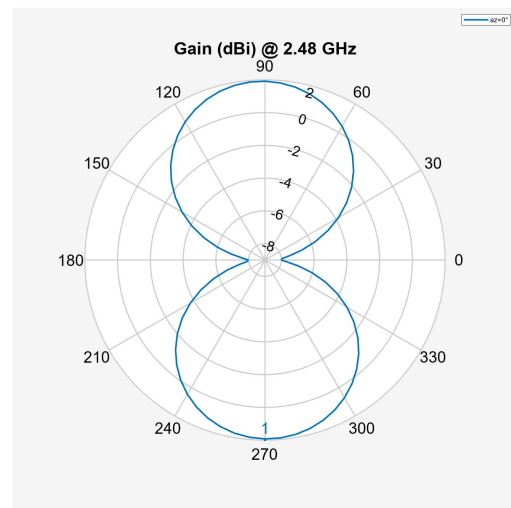
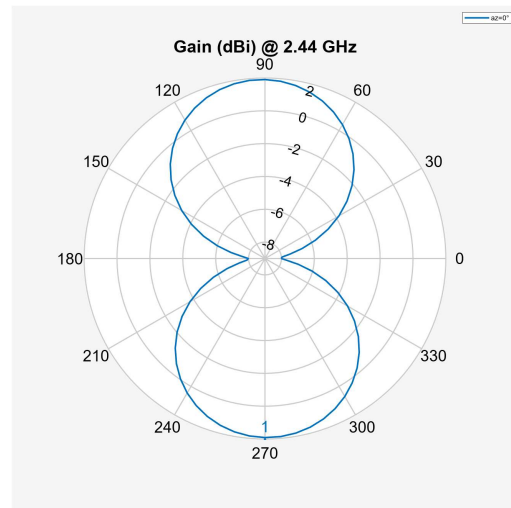
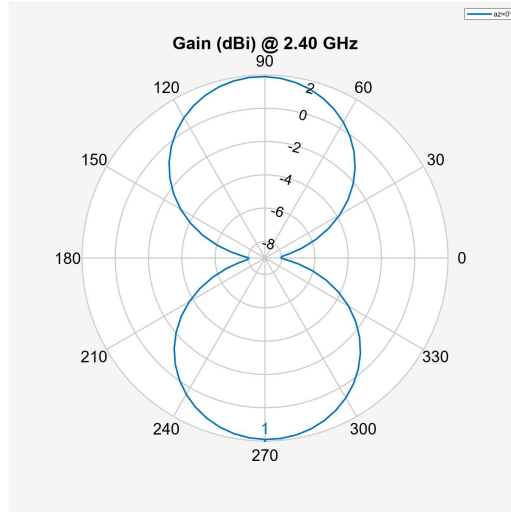


Figure 2: Antenna 3D radiation pattern & simulation (2404 MHz)

Antenna radiation patterns

Channel Frequency: 2400–2480 MHz with 2 MHz spacing





- Max Antenna Gain: 1.92 dBi
- Chipset: AP2T21F40 with crystal CN4024M00012T1238010 24MHz.
- Manufacturer name: Shanghai Tomison Electronic Co.,Ltd.
- Manufacturer address: Fengxian DistrictNo.1118 GongYe Rd, Shanghai

Revision Information

Rev	Date	Description
A	28.08.2024	Initial release. ET