



External

Antenna Technical Specifications & Operation Description, WeVibe Chorus Pro (830-00308)

LoveHoney Group

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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: integrated on the PCB (PCB Trace 16 mm, 0.6 mm width).
- Mounting: Printed on PCB
- Frequency range: 2.400 – 2.480 GHz

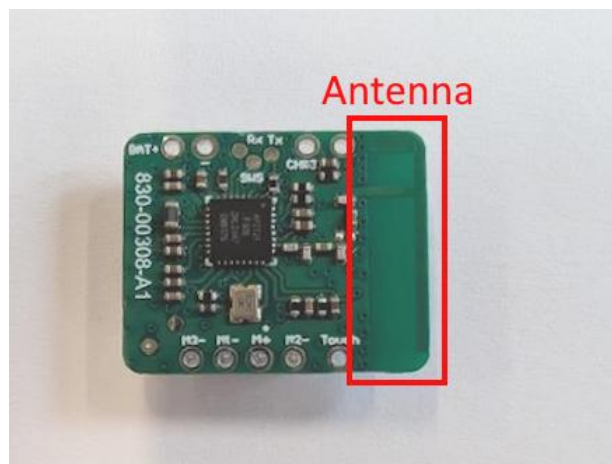


Figure 1: Trace Antenna on PCBA

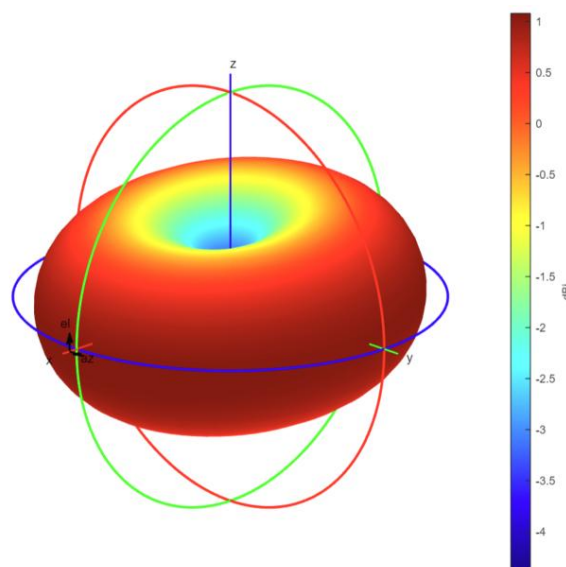


Figure 2: Antenna 3D radiation pattern & simulation (2400 MHz)

Antenna radiation patterns

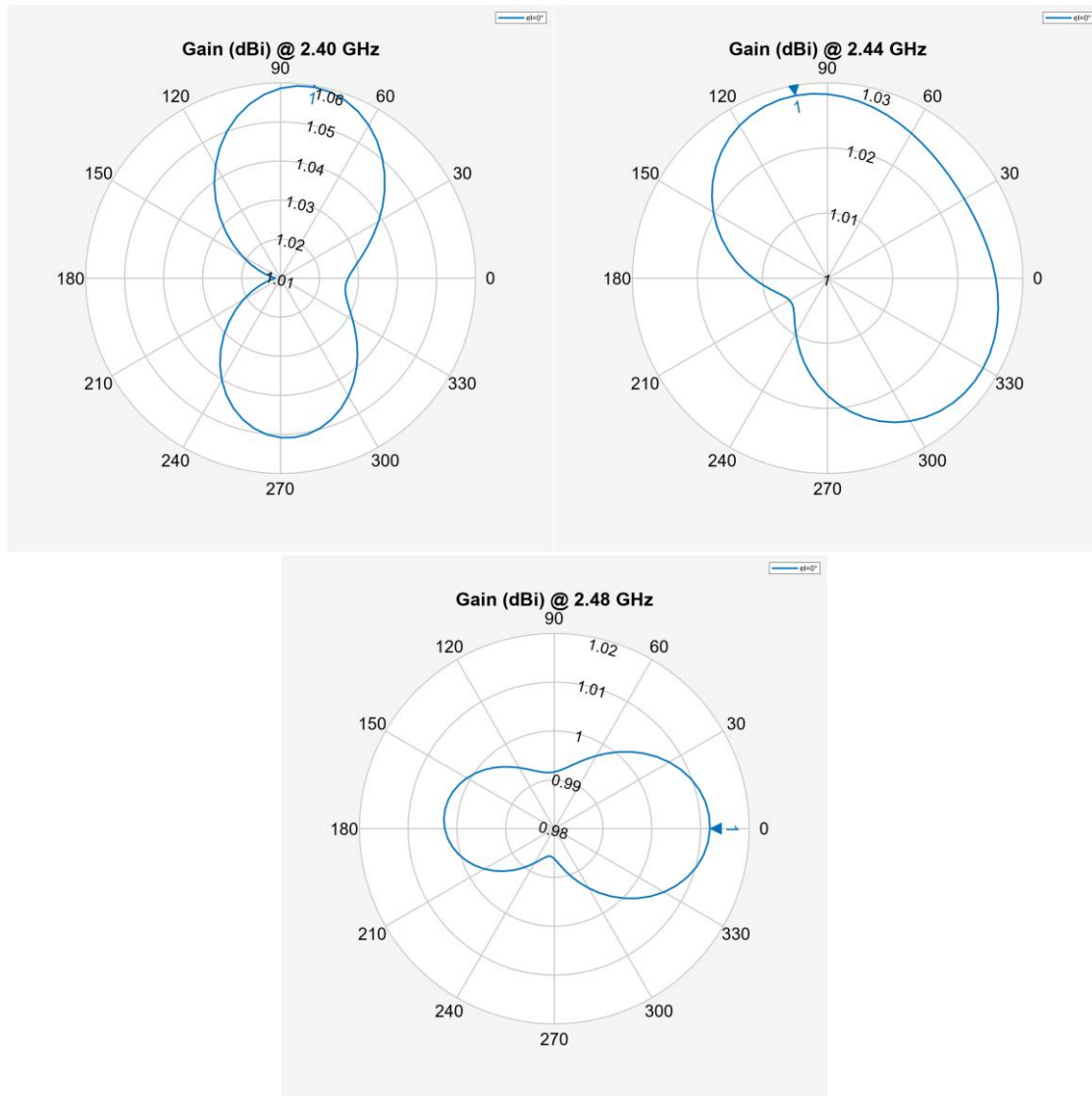


Figure 3: Antenna AZ patterns (2400 MHz, 2440 MHz, 2480MHz)

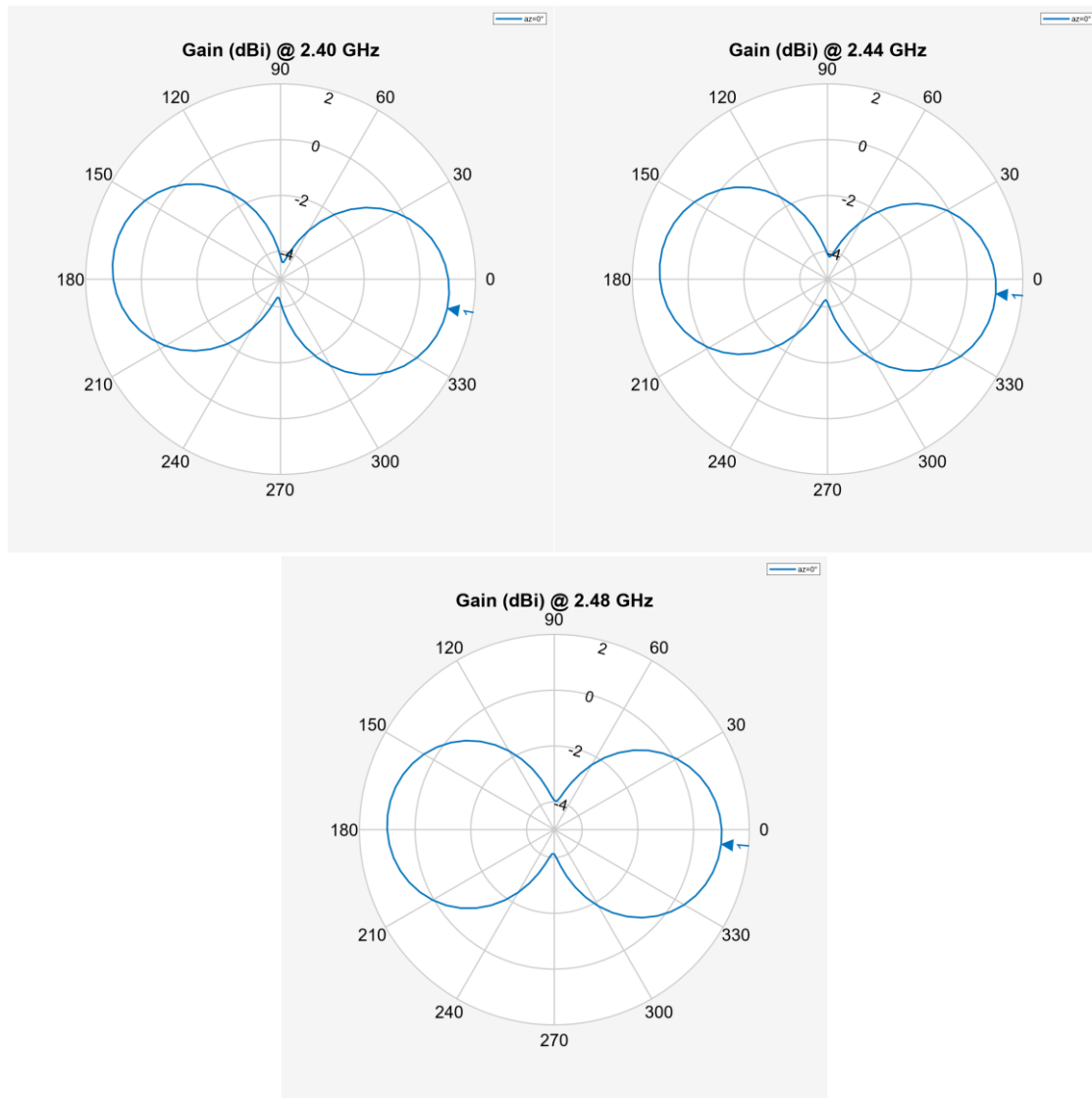


Figure 4: Antenna EL patterns (2400 MHz, 2440 MHz, 2480MHz)

- Channel Frequency: 2402–2480 MHz with 2 MHz spacing
- Max Antenna Gain 2.45GHz: 1.4 dBi
- Conducted power (setting output to 0.6 dBm): -2.90 dBm
- 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	31.03.2025	Initial release. ET
B	24.07.2025	Add Antena leg width. ET