

# SPECIFICATION

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| Antenna Manufacturer Name | Walsin Technology Corporation                          |
| Address                   | 566-1, Ko-Shi Road , Yang-Mei, Tao-Yuan, 32668, Taiwan |
| Test DATE                 | 2024/11/20                                             |
| DATASHEET REVISION        | V1.0                                                   |
| Ant. Name                 | BT Antenna                                             |
| Ant. Type                 | Chip Antenna                                           |

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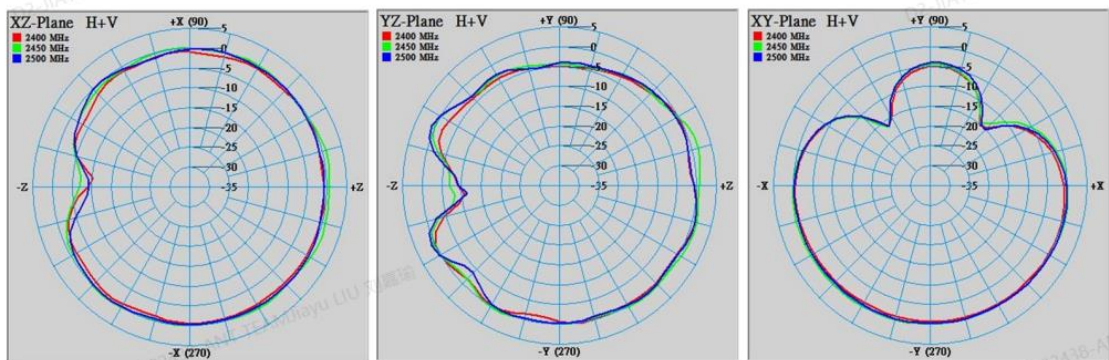
# Description of Antenna

Antenna Peak Gain:

BT Antenna Gain

| Item                    | Specification         |
|-------------------------|-----------------------|
| Working Frequency Range | 2.4GHz~2.4835GHz      |
| Max Gain                | 2.0dBi                |
| VSWR                    | 3.0 Max               |
| Polarization            | Linear                |
| Azimuth Beamwidth       | Omni-directional      |
| Impedance               | 50Ω                   |
| Power Capacity          | 3W max                |
| Maximum Input power     | 5 Watts for 5 minutes |

BT Antenna Pattern:



|                 | ZX plane       |              | ZY plane       |              | XY plane       |              |
|-----------------|----------------|--------------|----------------|--------------|----------------|--------------|
| Frequency [MHz] | Max Value [dB] | Average [dB] | Max Value [dB] | Average [dB] | Max Value [dB] | Average [dB] |
| 2400            | -0.18          | -1.35        | 0.88           | -1.72        | -0.20          | -2.31        |
| 2450            | 1.02           | -0.42        | 1.71           | -0.96        | 0.48           | -1.61        |
| 2500            | 0.05           | -0.90        | 0.97           | -1.39        | 0.38           | -1.83        |

BT Antenna S11:

Antenna S11 on Type-2 Test Board

