



## BT-RS5X6-DNGL Antenna SPECIFICATION

|                           |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------|
| Antenna Manufacturer Name | Universal Global Technology Co., Ltd.                                           |
| Address                   | No. 141, Lane 351, Sec. 1, Taiping Road, Tsautuen, Nantou County 542007, Taiwan |
| P/N:                      | 46-500111-02                                                                    |
| Test DATE                 | 2023/07/19                                                                      |
| DATASHEET REVISION        | v01                                                                             |

Sam Liu

Test Engineer: Sam Liu



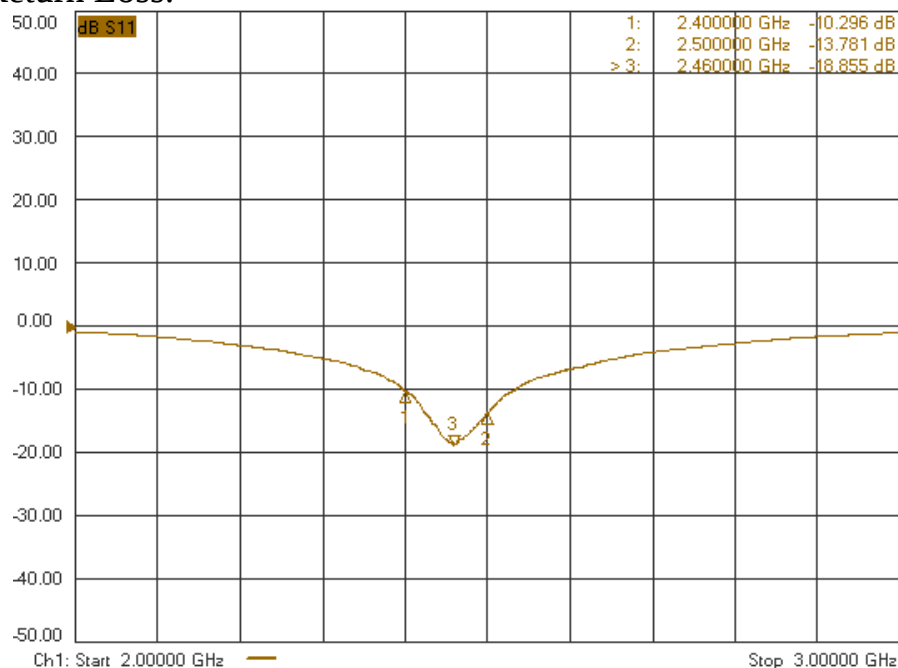
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## Description of Antenna

|                       |                                        |
|-----------------------|----------------------------------------|
| Frequency Range       | 2400~2484MHz                           |
| Impedance             | 50Ω                                    |
| Peak Gain             | 2.85dBi @2442MHz (test in ETS chamber) |
| Antenna type          | Bluetooth chip antenna                 |
| Manufacturing Process | MLCC                                   |

### Antenna Return Loss:



### Antenna Peak Gain:

| MHz        | Average Gain (%) | Peak Gain (dBi) |
|------------|------------------|-----------------|
| BT Antenna |                  |                 |
| 2400       | 67               | 2.64            |
| 2442       | 68               | 2.85            |
| 2484       | 62               | 2.52            |

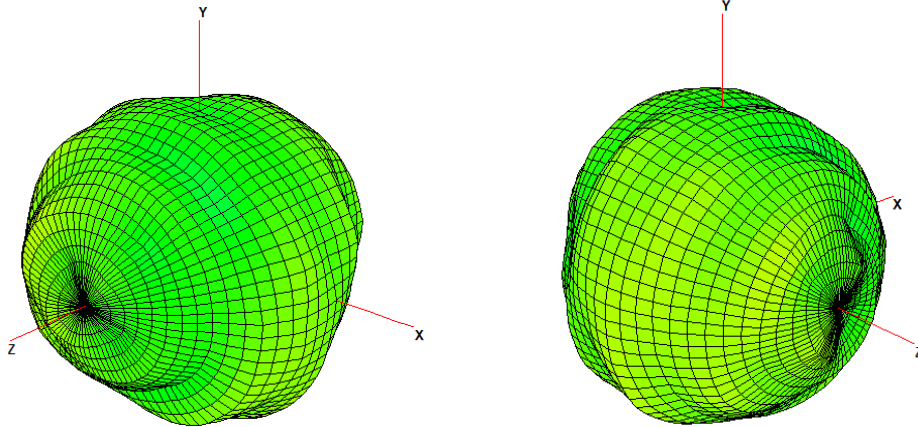


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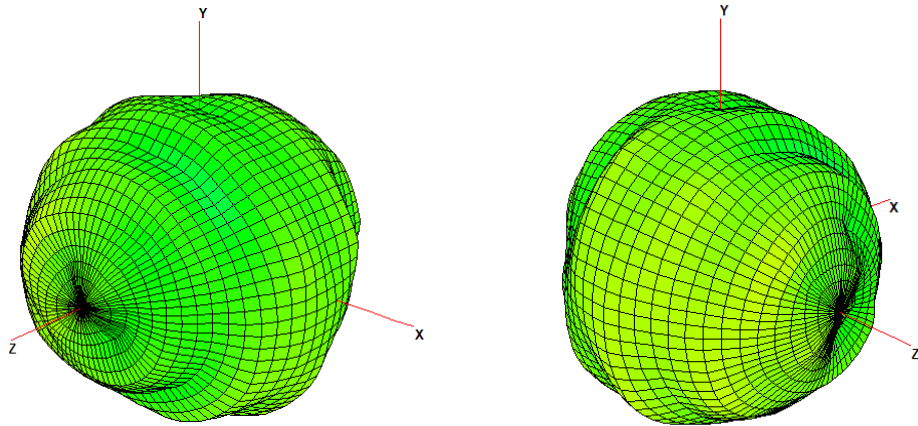
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## Antenna 3D Radiation Pattern:

- 2402MHz



- 2441MHz



- 2480MHz

