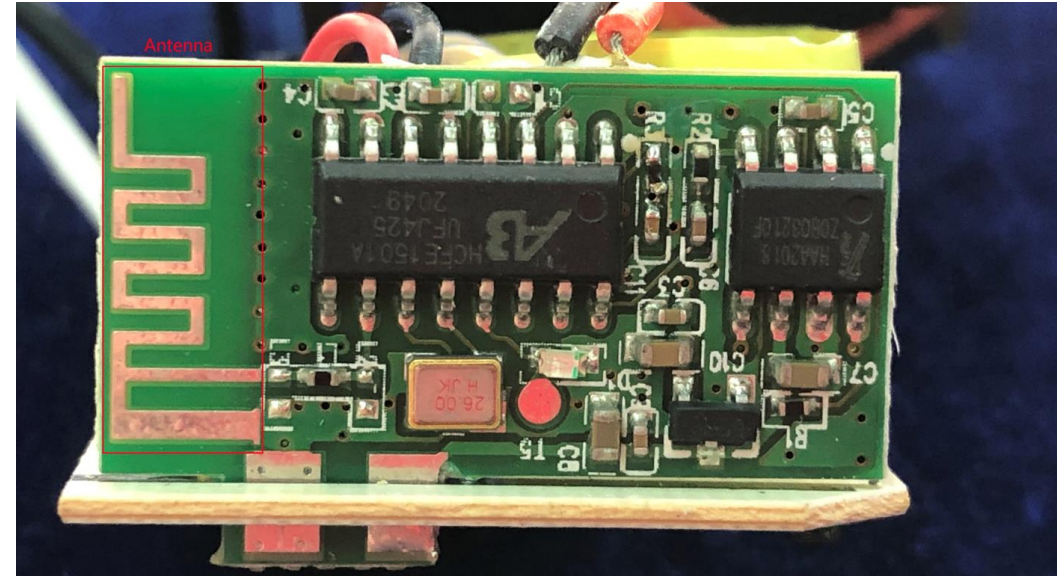


F21-DC

# Antenna Test Report

# ANT Property

| BT              |             |
|-----------------|-------------|
| Antenna Type    | PCB Antenna |
| Input impedance | 50 $\Omega$ |
| Frequency Band  | 2.4~2.5GHz  |
| Peak Gain       | 0.27dBi     |



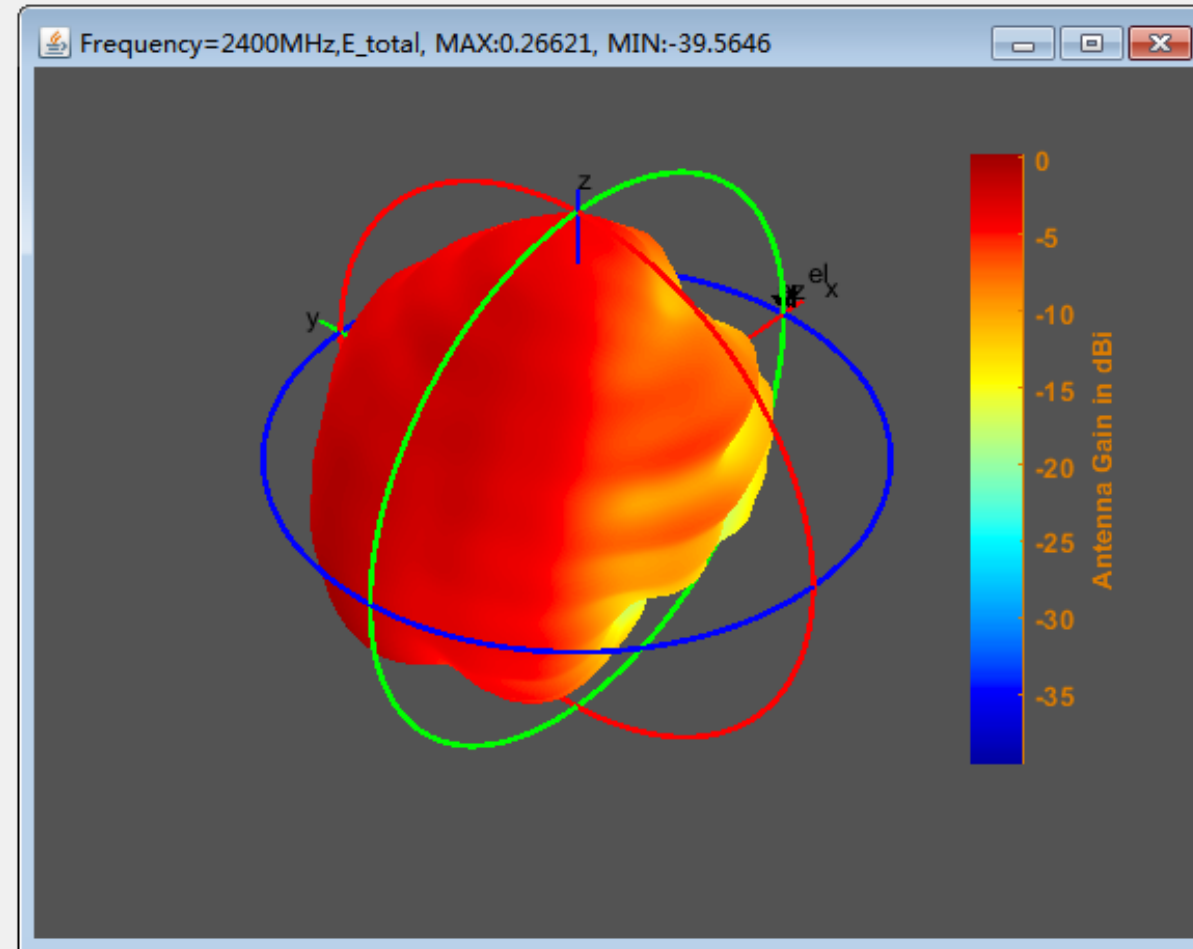
# ANT Efficiency

| Frequency (MHz) | Directivity(dB) | Efficiency(dB) | Gain(dB) |
|-----------------|-----------------|----------------|----------|
| 2400            | 6.1496          | -5.8834        | 0.2662   |
| 2405            | 6.1193          | -6.0914        | 0.0279   |
| 2410            | 6.1397          | -6.1977        | -0.0579  |
| 2415            | 6.0705          | -6.1393        | -0.0688  |
| 2420            | 6.1017          | -6.2513        | -0.1496  |
| 2425            | 6.1415          | -6.0937        | 0.0477   |
| 2430            | 6.0894          | -6.1569        | -0.0675  |
| 2435            | 6.0525          | -6.2599        | -0.2074  |
| 2440            | 6.0783          | -6.266         | -0.1877  |
| 2445            | 6.2279          | -6.2074        | 0.0205   |
| 2450            | 6.1317          | -6.2604        | -0.1287  |

| Frequency (MHz) | Directivity(dB) | Efficiency(dB) | Gain(dB) |
|-----------------|-----------------|----------------|----------|
| 2455            | 6.1894          | -6.2404        | -0.0510  |
| 2460            | 6.2558          | -6.3107        | -0.0549  |
| 2465            | 6.2382          | -6.3942        | -0.1560  |
| 2470            | 6.2787          | -6.3923        | -0.1135  |
| 2475            | 6.3850          | -6.3236        | 0.0614   |
| 2480            | 6.1935          | -6.2955        | -0.1019  |
| 2485            | 6.2513          | -6.2964        | -0.0451  |
| 2490            | 6.2637          | -6.2572        | 0.0066   |
| 2495            | 6.3694          | -6.3117        | 0.0578   |
| 2500            | 6.4550          | -6.3263        | 0.1287   |

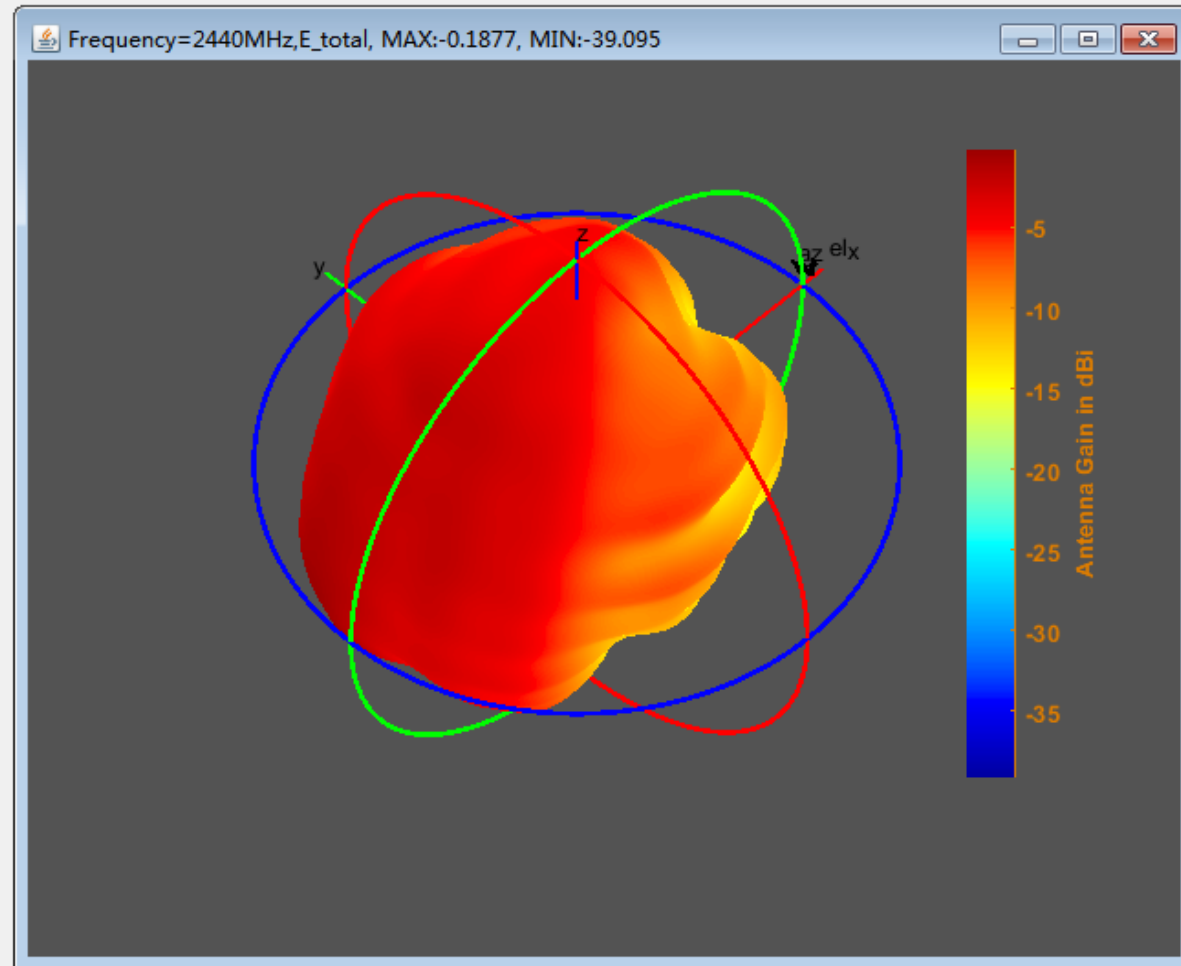
# ANT Directivity Pattern

- Antenna 3D @2400MHz



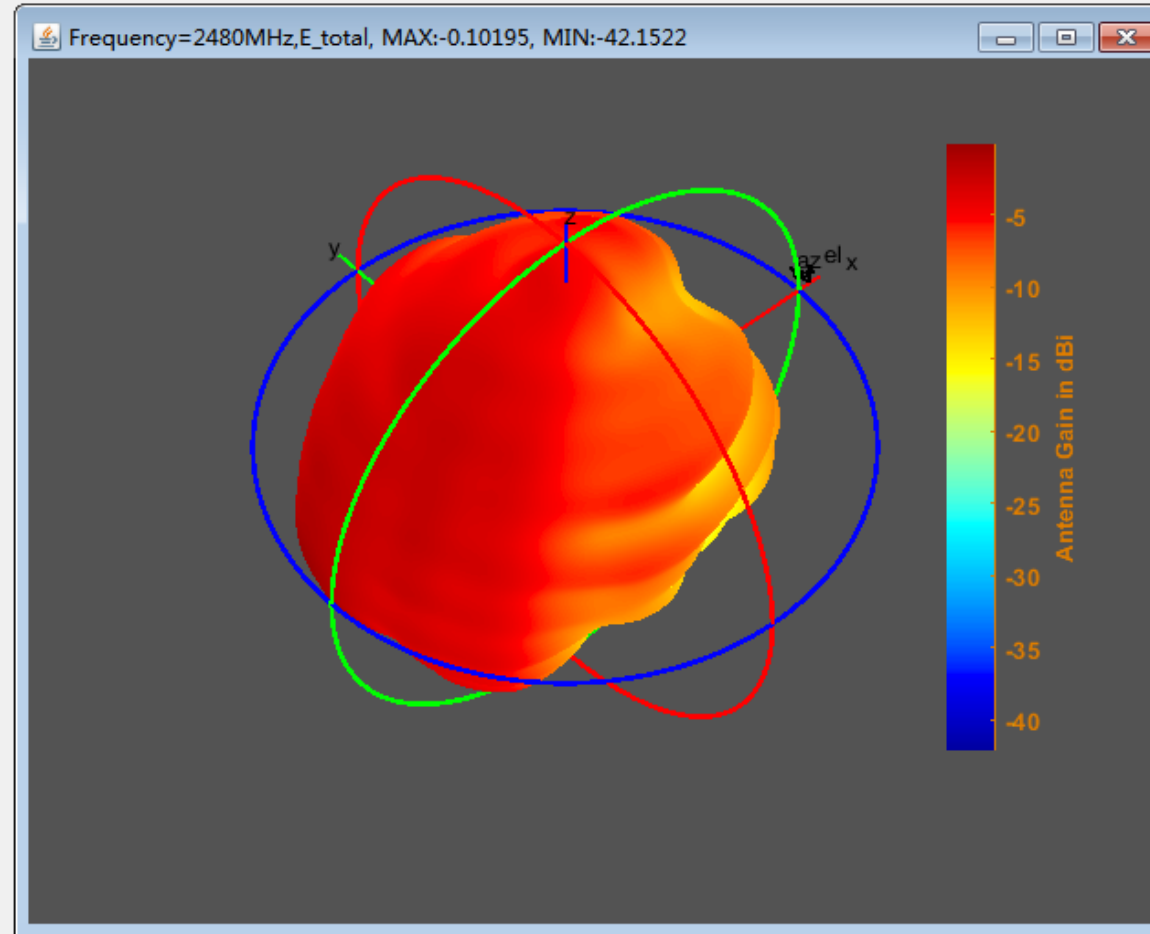
# ANT Directivity Pattern

- Antenna 3D @2440MHz



# ANT Directivity Pattern

- Antenna 3D @2480MHz



# Manufacturer

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