

Regulatory Bluetooth Antenna Information

(English Language Required for Intel Regulatory Review / Approval)

**(OEM/ODM or antenna vendor is required to complete this document with platform antenna information.
Remove Intel references and make this your own document)**

Specification

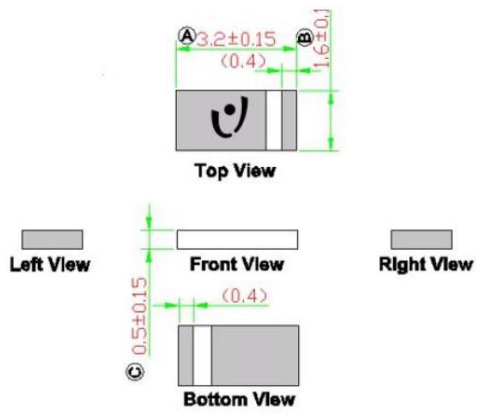
| | |
|----------------------------|------------------------------------|
| PART NAME: | R5 Cradle Bluetooth Antenna |
| DEVE NUMBER: | |
| WISTRON P/N: | 025.902BA.0001 |
| WBASE P/N: | |
| Ant. type(chip): | BT Ant. |
| DATE: | |
| DATASHEET REVISION: | 00 |
| MANUFATURE: | Unitron |

Summary table

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| Brand name | Wistron | 1 |
| Model name(Part number) | 025.902BA.0001 | 1 |
| manufacturer | Wistron | 1 |
| Test data | Included frequency, antenna gain, type | 4~6 |
| Antenna pattern | Included antenna pattern | 3 |

Antenna Photograph

Antenna 2D Drawing



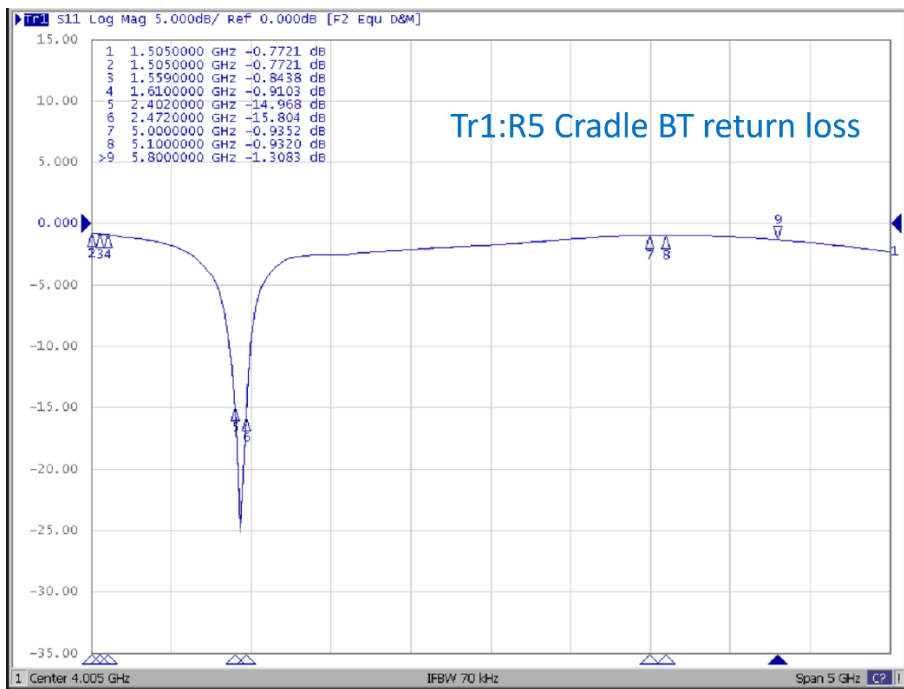
Antenna Performance

BT Ant. (TRX antenna)

◆ Description

| | |
|------------------------|---------------------------|
| Frequency Range | 2400~2500MHz |
| Impedance | 50Ω |
| Return loss | As shown below S11 |
| Peak Gain | 3.05dBi @ 2425MHz |
| Admitted Power | N/A |
| Cable | N/A |
| Antenna Type | Chip |
| Connector | N/A |
| Process | N/A |

◆ Antenna Return Loss

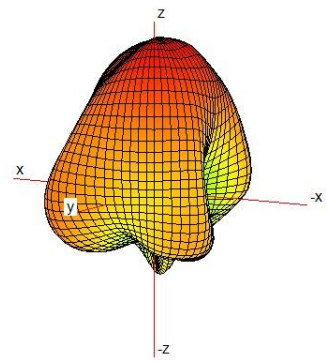
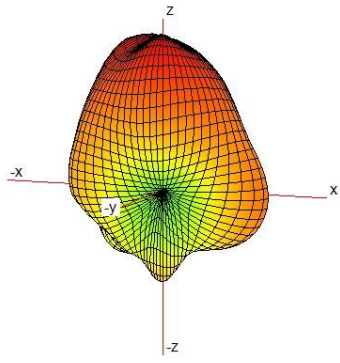


◆ Antenna Efficiency

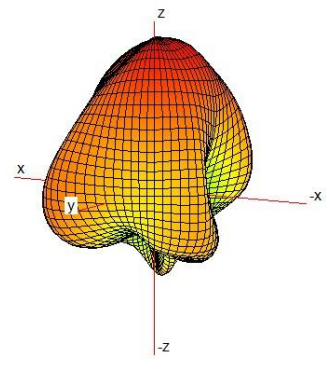
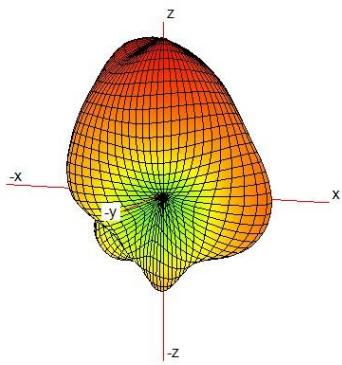
| Bluetooth SKU Ant.0 performance | | |
|---------------------------------|-----------|-----------|
| Ant.0 | Avg. Gain | Peak Gain |
| 2400 | -3.12 | 2.80 |
| 2405 | -3.00 | 2.92 |
| 2410 | -2.90 | 2.94 |
| 2415 | -2.89 | 2.94 |
| 2420 | -2.88 | 3.02 |
| 2425 | -2.82 | 3.05 |
| 2430 | -2.79 | 3.00 |
| 2435 | -2.81 | 2.99 |
| 2440 | -2.82 | 3.00 |
| 2445 | -2.83 | 2.95 |
| 2450 | -2.89 | 2.86 |
| 2455 | -3.00 | 2.78 |
| 2460 | -3.10 | 2.65 |
| 2465 | -3.16 | 2.53 |
| 2470 | -3.24 | 2.47 |
| 2475 | -3.39 | 2.32 |
| 2480 | -3.53 | 2.11 |
| 2485 | -3.64 | 1.94 |
| 2490 | -3.80 | 1.77 |
| 2495 | -3.96 | 1.60 |
| 2500 | -4.14 | 1.42 |

◆ Antenna 3D Radiation Pattern

Frequency: 2410MHz



Frequency: 2435MHz



Frequency: 2460MHz

