



# CTC Laboratories, Inc.

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## RF Exposure Evaluation

FCC ID: 2A482-T89

According to KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

### EUT Specification

|                            |  |
|----------------------------|--|
| EUT                        | Baseus Brilliance Original Keyboard Case Pro   |
| Model/Type reference:      | T89 Magic  |
| Listed Model(s):           | /  |
| Frequency band (Operating) | <input type="checkbox"/> BT: 2.402GHz ~ 2.480GHz<br><input checked="" type="checkbox"/> BLE: 2.402GHz ~ 2.480GHz<br><input type="checkbox"/> WLAN: 2.412GHz ~ 2.462GHz<br><input type="checkbox"/> Others                      |
| Device category            | <input checked="" type="checkbox"/> Portable (<5mm separation)<br><input type="checkbox"/> Mobile (>20cm separation)<br><input type="checkbox"/> fixed (>20cm separation)<br><input type="checkbox"/> Others _____             |
| Antenna diversity          | <input checked="" type="checkbox"/> Single antenna<br><input type="checkbox"/> Multiple antennas<br><input type="checkbox"/> Tx diversity<br><input type="checkbox"/> Rx diversity<br><input type="checkbox"/> Tx/Rx diversity |
| Antenna gain (Max)         | 1.87dBi  |

### Limit

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{\text{(GHz)}}}] \leq 3.0$

Where

- $f_{\text{(GHz)}}$  is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.



Measurement Result

| Mode          | Channel Frequency (MHz) | Max. Measured Power (dBm) | Max. Tune up Power (dBm) | Result  | Limit |
|---------------|-------------------------|---------------------------|--------------------------|---------|-------|
| GFSK (BLE 1M) | 2402                    | -2.11                     | -2                       | 0.00019 | 3.0   |
| GFSK (BLE 2M) | 2402                    | -2.29                     | -2                       | 0.00019 | 3.0   |

Note:

1. Calculate by Worst-case mode.
2. Max. Tune Up Power by Manufacturer's Declaration, and Max. Tune Up Power is used to calculate.
3. For a more detailed features description, please refer to the RF Test Report.

\*\*\*\*\*THE END\*\*\*\*\*