



Maximum RF Exposure Evaluation

FCC ID: 2A2TQ-WS-858

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

EUT Specification

| | |
|----------------------------|--|
| Product Name: | Wireless Karaoke Microphone |
| Trade Mark: | hipifun4u, litofelo, Riya, kizsbro, Isner Mile, ZPM, Comfy Mate |
| Model/Type reference: | WS-858 |
| Listed Model(s): | N/A |
| Frequency band (Operating) | <input checked="" type="checkbox"/> BT/EDR: 2.402GHz ~ 2.480GHz <input checked="" type="checkbox"/> BLE: 2.402GHz ~ 2.480GHz <input type="checkbox"/> WLAN: 2.412GHz ~ 2.462GHz <input type="checkbox"/> Others: |
| Device category | <input checked="" type="checkbox"/> Portable (<5mm separation) <input type="checkbox"/> Mobile (>20cm separation) <input type="checkbox"/> Fixed (>20cm separation) <input type="checkbox"/> Others |
| Antenna diversity | <input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input type="checkbox"/> Tx/Rx diversity |
| Antenna gain (Max) | 0dBi |
| Evaluation applied | <input checked="" type="checkbox"/> RF Exposure Evaluation <input type="checkbox"/> SAR Evaluation |

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 ≤ 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

| Band | Frequency (MHz) | Antenna Gain (dBi) | Maximum Power (dBm) | Tune up tolerance (dBm) | Max. Tune up Power (dBm) | Calculation Value | Limit |
|--------|-----------------|--------------------|---------------------|-------------------------|--------------------------|-------------------|-------|
| BT/EDR | 2441 | 0 | 4.31 | 4±1 | 5 | 0.988 | 3.000 |
| BLE | 2440 | 0 | 3.59 | 3±1 | 4 | 0.785 | 3.000 |

Note

For a more detailed features description, please refer to the RF Test Report.

*****THE END*****