

SAR Exclusion Letter

Applicant Name:

TJ Media Co., Ltd.
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South Korea

Date of Issue: 03. 06, 2018
Test Site: HCT CO., LTD.

FCC ID:

TO8-TKR-373MU

| | |
|-------------------|------------------------|
| Equipment Type: | MIC Karaoke (Portable) |
| Application Type: | Certification |
| FCC Rule Part(s): | CFR §2.1093 |
| Model Name: | TKR-373MU |
| Derivation Mode: | TKR-373MP |

According to the FCC KDB 447498 D01 v06 section 4.3.1, for 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$$\frac{\text{MaxPowerofChannel(mW)}}{\text{TestSeparationDistance(mm)}} * \sqrt{\text{Frequency(GHz)}} \leq 3.0(1g \text{ SAR}), 7.5(10g \text{ SAR})$$

where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Calculation Result:

Tx frequency range: 493.0MHz~ 505.3MHz
Min. test separation distance: 5 mm
Maximum Output Power: 11dBm (13mW)
RF channel transmit frequency: 494.0MHz, 499.4MHz, 505.2MHz

| Frequency [MHz] | Maximum Allowed Power | Separation Distance | ≤ 3.0 1-g SAR |
|-----------------|-----------------------|---------------------|--------------------|
| | [mW] | [mm] | |
| 494.0 | 13 | 5 | 1.8 |
| 499.4 | | | 1.8 |
| 505.2 | | | 1.8 |

The exclusion thresholds is $1.8 < 3$, so the transmitter complies with the RF exposure requirements and the SAR is not required

Reviewed By



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