FCC ID: 2AJOUDA143

## 1. Reference

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity 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

## 2. Result

1) Standalone SAR

According to the output power measurement, and the tune-up statement by manufacturer, the calculated value can obtained.

| Test Frequency (MHz) | Minimum Separation Distance (mm) | Max. Output Power (dBm) | Output Power with tune up (dBm) | Output Power (mW) | calculated value | exclusion thresholds |
|---|---|---|---|---|---|---|
| 2480.00 | 5.0 | 5.143 | 6 | 3.981 | 1.3 | 3 |

2) Simultaneous SAR

The device uses two CSR8645 Bluetooth chips with the as power tune-up tolerance, which can transmission simultaneously.

According to [(*max. power of channel, including tune-up tolerance, mW*) / (*min. test separation distance, mm*)]·[√f$_{(GHz)}$/*x*] W/kg, for *test separation distances* ≤ 50 mm; where *x* = 7.5 for 1-g SAR and *x* = 18.75 for 10-g SAR.

The calculated SAR value can obtain.

| Communication system | Frequency (MHz) | Maximum Power (including tune-up tolerance) (dBm) | Output Power (mW) | Separation Distance (mm) | Estimated SAR1-g (W/kg) |
|---|---|---|---|---|---|
| Bluetooth* | 2480.00 | 6 | 3.981 | 5 | 0.167 |

Simultaneous SAR=0.167+0.167=0.334W/kg<1.6W/kg

3) .Conclusion: No SAR is required.