

FCC ID: 2AJW9-HXSD

## 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  $\leq$  50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}$

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) According to the output power AV for WIFI and PK for BT measurement in the EMI test report, and the tune-up statement by manufacturer, the calculated value can obtain.

| Test Frequency (MHz) |      | Minimum Separation Distance (mm) | Max. Output Power (dBm) | Output Power with tune up (dBm) | Output Power (mW) | calculated value | exclusion thresholds |
|----------------------|------|----------------------------------|-------------------------|---------------------------------|-------------------|------------------|----------------------|
| WIFI                 | 2437 | 5.00                             | 9.440                   | 9.5                             | 8.91              | 2.8              | 3                    |
| BT3.0                | 2480 | 5.00                             | 2.269                   | 3                               | 2.00              | 0.6              | 3                    |
| BLE                  | 2440 | 5.00                             | -1.187                  | 0                               | 1.00              | 0.3              | 3                    |

Remark: The WLAN and BT sharing a single antenna, and can't transmit signal simultaneously.

- 2) Conclusion: No SAR is required.