RF Exposure Requirements

Product Description: Bluetooth Speaker

Model No.: OontZ Angle 3 PRO

FCC ID: 2AGA6-OONTZA3PRO

Two Bluetooth module can operating at the same time

According to the 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:

[(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 calculation17

- The result is rounded to one decimal place for comparison

Calculation Result:

Bluetooth Module1

Tx frequency range: 2402-2480MHz

Min. test separation distance: 5mm

Maximum Conducted Output Power: 4.787dBm

Tune-Up output power: 5dBm

RF channel transmit frequency: 2402MHz

Result: 0.5

BLE mode (Only for IC AC6921)

Tx frequency range: 2402-2480MHz

Min. test separation distance: 5mm

Maximum Conducted Output Power: 4.303dBm

Tune-Up output power: 5dBm

RF channel transmit frequency: 2402MHz

Result: 0.5

Bluetooth Module2

Tx frequency range: 2402-2480MHz

Min. test separation distance: 5mm

Maximum Conducted Output Power: 4.637dBm

Tune-Up output power: 5dBm

RF channel transmit frequency: 2402MHz

Result: 0.5

The two modules can't transmission simultaneous

Limit: 3.0

The exclusion thresholds is 0.5 < 3, so the transmitter complies with the RF exposure requirements and the SAR is not required.