

## 9. Radio Frequency Exposure

### 9.1 RF exposure limit

According to the FCC rule §1.1310, the limit for General Population/Uncontrolled exposure is 1 mW/cm<sup>2</sup> for the device operating 1 500 MHz ~ 100 000 MHz.

### 9.2 RF exposure consideration

N/A

### 9.3 EUT description

| Kind of EUT                 | SMART TURNTABLE                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------|
| Operating Frequency Band    | <input type="checkbox"/> Wireless Microphone: 494.000 MHz ~ 501.000 MHz<br>and 498.200 MHz ~ 505.200 MHz |
|                             | <input checked="" type="checkbox"/> WLAN(802.11b/g/n(HT20)): 2 412 MHz ~ 2 472 MHz                       |
|                             | <input type="checkbox"/> WLAN(802.11n(HT40)): 2 422 MHz ~ 2 462 MHz                                      |
|                             | <input type="checkbox"/> WLAN: 5 180 MHz ~ 5 320 MHz / 5 500 MHz ~ 5 700 MHz                             |
|                             | <input type="checkbox"/> WLAN: 5 745 MHz ~ 5 825 MHz                                                     |
|                             | <input type="checkbox"/> Bluetooth: 2 402 MHz ~ 2 480 MHz                                                |
|                             | <input type="checkbox"/> Zigbee: 2 425 MHz, 2 450 MHz, 2 475 MHz                                         |
|                             |                                                                                                          |
| Device Category             | <input checked="" type="checkbox"/> Portable (< 20 cm separation)                                        |
|                             | <input type="checkbox"/> Mobile (> 20 cm separation)                                                     |
|                             | <input type="checkbox"/> Others                                                                          |
| Max. Output Power           | -3.70 dBm                                                                                                |
| Used Antenna                | Chip Antenna                                                                                             |
| Used Antenna Gain           | 3.5 dBi                                                                                                  |
| Exposure Evaluation Applied | <input type="checkbox"/> MPE                                                                             |
|                             | <input type="checkbox"/> SAR                                                                             |
|                             | <input checked="" type="checkbox"/> N/A                                                                  |

## 9.4 Results

According to the procedure, KDB 447498 D01, the standalone SAR test exclusion threshold is [(Max. Power of channel, including tune-up tolerance, mW) / (Mim. test separation distance, mm)]  
 $\times [\sqrt{f(\text{GHz})}] < 3 \quad [ \quad 0.43 \quad / \quad 5 \quad \times \quad \sqrt{2.437} \quad ] \quad = \quad 0.134$

Conclusion: The SAR test exclusion threshold is less than 3, so the device meets the RF Exposure Requirement and excluded SAR Test.