

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	ICON TWS EARBUDS
Model Name	PATW-1015-BK
Series Model	PATW-1015-RD, PATW-1015-BL, PATW-1015-WH, WI8TW-1000-SV, WI8TW-1000-PK, CATW-1007-BK, CATW-1007-BL, CATW-1007-PK, CATW-1008-PK, CATW-1008-WH, CATW-1016-BK, CATW-1016-BL, CATW-1016-PK, CATW-1016-TL, CATW-1016-WH, IWTW-1011-BK, IWTW-1011-BL, IWTW-1011-MG, IWTW-1011-PR, IWTW-1011-WH, IWTW-1011-YL, WI8TW-1001-BK, CATW-1010-BK, MBTW-1002-PK, MBTW-1002-PR, MBTW-1002-WH, MBTW-1002-TL, CATW-1019-BL, CATW-1019-GN, CATW-1019-PK, CATW-1019-WH
FCC ID	2A65Q-IWTWS2207

2. EVALUATION METHOD

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:

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

Where $f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

3. CALCULATION

BR/EDR:

$P_t = 1.799\text{dBm} = 1.51\text{mW}$

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation $\text{SAR} = (1.51\text{mW} / 5\text{mm}) \cdot [\sqrt{2.480\text{GHz}}] = 0.48 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE:

$P_t = 0.710\text{dBm} = 1.18\text{mW}$

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation $\text{SAR} = (1.18\text{mW} / 5\text{mm}) \cdot [\sqrt{2.480\text{GHz}}] = 0.37 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.