RF Exposure Requirements

Product Description: OWS Earbuds

Model No.: K56, MZX1030, MZX1030-BLK, MZX1030-WHT, MZX1030-GRY, K34, K41, K42, K44, K47, K48, K51, K52, K52B, K53, K55, K57, K60, K61, K62, K80, K90, KBL20, T6, T8, T10, T12, T13, T14,T15, T16, T17, T18,T19,T20, T22, T24, T26, T34, T35, T41, T42, T43, T45, T46, T47, T50, T50B, NB30, NB40, NB56, NB80, NBC80, NBC90, NBC9OPRO, NBC55

FCC ID: 2ALHZK56

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 calculation
- The result is rounded to one decimal place for comparison

Calculation Result:

Bluetooth

Tx frequency range: 2402-2480MHz

Min. test separation distance: 5mm

Maximum Conducted Output Power: 3.18dBm

Tune-Up output power: 2.7dBm

RF channel transmit frequency: 2402MHz

Result: 0.78

Limit: 3.0

The exclusion thresholds is 0.78 < 3, so the transmitter complies with the RF exposure requirements and the SAR is not required.