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RF Exposure Evaluation

FCC ID: 2A3QHXP

According to KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

EUT Specification

EUT	Wireless Earbuds
Model/Type reference:	X Pro
Listed Model(s):	X ProMax, X Pro MaxPlus, T1, T1S, T2, T2S, T2S Pro, T5S, T5S Pro, T6S, T6S Pro, T8S, T8S Pro, T9S, T9S Pro, H2S, H2S Pro, H3S, H5S, H6S, H7S, H7S Pro, H8S, H8S Pro, H9S, H9S Pro, H10S, H10S Pro, J1, J2, J5, J6, J7S, J7S Pro, J8S, J8S Pro, J9S, J9S Pro, J10S, J10S Pro, Z1, Z1S, Z3, Z3S, Z6, Z6S, Z10S, Z12S, Z13S, Z15S, Z15S Pro, Z16S, Z16S Pro, Z17S, Z17S Pro, Z18S, Z18S Pro, Z19S, Z19S Pro, Z20S, Z20S Pro, L2, B5S Pro, B6S Pro, B7S, B7S Pro, B8S, B8S Pro, B9S, B9S Pro, B10S, B10S Pro, L101S, A16S, A16S Pro, A17S, A17S Pro, A18S, A18S Pro, A19S, A19S Pro, A20S, A20S Pro
Frequency band (Operating)	<input checked="" type="checkbox"/> BT: 2.402GHz ~ 2.480GHz <input checked="" type="checkbox"/> BLE: 2.402GHz ~ 2.480GHz <input type="checkbox"/> WLAN: 2.412GHz ~ 2.462GHz <input type="checkbox"/> Others
Device category	<input checked="" type="checkbox"/> Portable (<5mm separation) <input type="checkbox"/> Mobile (>20cm separation) <input type="checkbox"/> fixed (>20cm separation) <input type="checkbox"/> Others _____
Antenna diversity	<input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input type="checkbox"/> Tx/Rx diversity
Antenna gain (Max)	2.58dBi

Limit

$$\left[\frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot \sqrt{f_{\text{(GHz)}}} \leq 3.0$$

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

-The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.



Measurement Result

Mode	Channel Frequency (MHz)	Max. Measured Power (dBm)	Max. Tune up Power (dBm)	Result	Limit
GFSK (BLE 1M)	2402	0.68	1.00	0.3902	3.0
GFSK (EDR)	2402	2.18	2.50	0.5512	3.0

Note:

1. Calculate by Worst-case mode.
2. Max. Tune Up Power by Manufacturer's Declaration, and Max. Tune Up Power is used to calculate.
3. For a more detailed features description, please refer to the RF Test Report.

*****THE END*****