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RF Exposure Evaluation

FCC ID: XRH-NPE107

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

EUT Specification

EUT	AWE Charger
Model/Type reference:	AWEC01
Listed Model(s):	OTbeat Link Charging Case
Model Difference:	All these models are identical in the same PCB, layout and electrical circuit, the only difference is model name.
Frequency band (Operating)	☐ BT: 2.402GHz ~ 2.480GHz ☒ BLE: 2.402GHz ~ 2.480GHz ☐ WLAN: 2.412GHz ~ 2.462GHz ☐ Others
Device category	☐ Portable (<20cm separation) ☒ Mobile (<5mm separation) ☐ fixed (>20cm separation) ☐ Others
Antenna diversity	☒ Single antenna ☐ Multiple antennas ☐ Tx diversity ☐ Rx diversity ☐ Tx/Rx diversity
Antenna gain (Max)	0dBi

Limit

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

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**

Type	Channel frequency (MHz)	Max. Measured Power (dBm)	Tune up tolerance (dBm)	Max. Tune up Power (dBm)	Calculation Value	Threshold Value	Result
BLE	2402	-1.80	-1±1	0	0.310	3.0	PASS
	2440	-1.50	-1±1	0	0.312	3.0	
	2480	-1.31	-1±1	0	0.315	3.0	

Note

For a more detailed features description, please refer to the RF Test Report.

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