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RF Exposure Evaluation

FCC ID: 2ASWH-NC7

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

EUT Specification

EUT	Wireless Earbuds
Model/Type reference:	NC7
Listed Model(s):	/
Frequency band (Operating)	☒ BT: 2.402GHz ~ 2.480GHz ☐ BLE: 2.402GHz ~ 2.480GHz ☐ WLAN: 2.412GHz ~ 2.462GHz ☐ Others
Device category	☒ Portable (<5mm separation) ☐ Mobile (>20cm separation) ☐ fixed (>20cm separation) ☐ Others
Antenna diversity	☒ Single antenna ☐ Multiple antennas ☐ Tx diversity ☐ Rx diversity ☐ Tx/Rx diversity
Antenna gain (Max)	-1.06dBi Max

Limit

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

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.

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**Measurement Result**

Type	Channel frequency (MHz)	Max. Measured Power (dBm)	Tune up tolerance (dBm)	Max. Tune up Power (dBm)	Calculation Value	Threshold Value
GFSK	2402	7.63	8±1	9	1.929	3.0
	2441	7.73	8±1	9	1.929	3.0
	2480	7.70	8±1	9	1.929	3.0
$\pi/4$ -DQPSK	2402	6.85	7±1	8	1.545	3.0
	2441	6.98	7±1	8	1.545	3.0
	2480	6.91	7±1	8	1.545	3.0
8-DPSK	2402	7.17	7±1	8	1.545	3.0
	2441	7.26	7±1	8	1.545	3.0
	2480	7.12	7±1	8	1.545	3.0

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

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