

TEST REPORT

Product Name : Bluetooth hearing protection
Model Number : In-ear Impulse Bluetooth
FCC ID : 2AHH5-IEIMPULSEBT

Prepared for : Altus Brands, LLC
Address : 6893 Sullivan Road, Grawn, MI, 49637

Prepared by : EMTEK (SHENZHEN) CO., LTD.
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Report Number : ENS2510230017W00402R
Date(s) of Tests : October 23, 2025 to November 10, 2025
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Test Report Description

Applicant : Altus Brands, LLC
Address : 6893 Sullivan Road, Grawn, MI, 49637
Manufacturer : NINGBO HONGSHUO ELECTRONICS &APPLIANCE CO., LTD
Address : FLOOR 11, NO.1 BUILDING, DEHAO GUANHAIWEI INDUSTRY, CIXI, NINGBO,
ZHEJIANG, CHINA 315314
EUT : Bluetooth hearing protection
Model Name : In-ear Impulse Bluetooth
Trademark : Safariland

The device described above is tested by EMTEK (SHENZHEN) CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report shows the EUT to be technically compliant with the FCC 1.1310 and KDB 447498 D01 General RF Exposure Guidance v07 requirements. The test results are contained in this report and EMTEK (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (SHENZHEN) CO., LTD..

Date of Test : October 23, 2025 to November 10, 2025

Prepared by :



Una Yu /Editor

Reviewer :



Joe Xia /Supervisor

Approve & Authorized Signer :



Lisa Wang /Manager



Modified Information

Version	Report No.	Revision Date	Summary
/	ENS2510230017W00402R	/	Original Report



1. Facilities And Accreditations

1.1. Test Facility

All measurement facilities used to collect the measurement data are located at
EMTEK (Shenzhen) Co., Ltd.
Building 69, Majialong Industry Zone District, Nanshan District, Shenzhen, China
The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

1.2. LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab. : **Accredited by CNAS**
The Certificate Registration Number is L2291
The Laboratory has been assessed and proved to be in compliance with
CNAS-CL01 (identical to ISO/IEC 17025:2017)

Accredited by FCC
Designation Number: CN1204
Test Firm Registration Number: 882943

Accredited by A2LA
The Certificate Number is 4321.01

Accredited by Industry Canada
The Conformity Assessment Body Identifier is CN0008

Name of Firm : EMTEK (SHENZHEN) CO., LTD.
Site Location : Building 69, Majialong Industry Zone, Nanshan District, Shenzhen,
Guangdong, China

2. General Product Information

Characteristics	Description
Product Name	Bluetooth hearing protection
Model number	In-ear Impulse Bluetooth
Sample number	ENS2510230017W004-1-1
Device Type	Bluetooth V5.3
Data Rate	1Mbps for GFSK modulation 2Mbps for pi/4-DQPSK modulation 3Mbps for 8DPSK modulation
Modulation	GFSK pi/4-DQPSK 8DPSK
Operating Frequency Range	2402-2480MHz
Number of Channels	79 channels
Max Transmit Power	-1.19 dBm
Antenna Type	Chip antenna
Gain	2.71 dBi
External cable loss	0.55 dB
Power supply	DC 3.7V
Temperature Range	0℃ to +45℃
Date of Received	October 23, 2025

Note: for more details, please refer to the User's manual of the EUT.

3. Limit

According to §15.249(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V07

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:

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

The result is rounded to one decimal place for comparison;

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 is applied to determine SAR test exclusion.

We use 5mm as separation distance to calculate.



4. Test Results

Maximum measured transmitter power:

Transmit Frequency (MHz)	Mode	EIRP Power (dBm)	Tune up maximum power(dBm)	Result calculation	1-g SAR
2402	GFSK	-0.15	0	0.31	3.0
2441	GFSK	0.96	1	0.39	3.0
2480	GFSK	1.52	2	0.50	3.0
2402	pi/4-DQPSK	-0.24	0	0.31	3.0
2441	pi/4-DQPSK	0.73	1	0.39	3.0
2480	pi/4-DQPSK	1.48	2	0.50	3.0
2402	8DPSK	-0.12	0	0.31	3.0
2441	8DPSK	0.91	1	0.39	3.0
2480	8DPSK	1.51	2	0.50	3.0

Conclusion:

For the max result: $0.50 < 3.0$ for 1-g SAR extremity SAR

*** End of Report ***