

TEST REPORT

Report Reference No...... : **MTEB26010029-H**

FCC ID..... : **2BE9P-ML4U6FSRP**

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Applicant's name..... : **Shenzhen Yizhita Technology Co., Ltd**

Address..... : Room 1306, Xingtong Building, No. 88 Baoxing Road, Haiwang Community, Xin'an Street, Bao'an District, Shenzhen, Guangdong Province, China

Test specification/ Standard..... : **47 CFR Part 1.1307**

47 CFR Part 2.1093

TRF Originator..... : Shenzhen Most Technology Service Co., Ltd.

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Test item description..... : ATK Blazing Sky X1 Lightweight Wireless Mouse

Trade Mark..... : N/A

Model/Type reference..... : ATK X1 ULTRA MAX 2.0

Listed Models : N/A

Modulation Type..... : GFSK

Operation Frequency..... : From 2402MHz to 2480MHz

Hardware version : DM135-nRF54L15_V1.2

Software version : V3.02

Rating : DC 3.85V by Battery/DC 5V by USB Port

Result..... : **PASS**

TEST REPORT

Equipment under Test : ATK Blazing Sky X1 Lightweight Wireless Mouse

Model /Type : ATK X1 ULTRA MAX 2.0

Listed Models : N/A

Remark : N/A

Applicant : **Shenzhen Yizhita Technology Co., Ltd**

Address : Room 1306, Xingtong Building, No. 88 Baoxing Road, Haiwang Community, Xin'an Street, Bao'an District, Shenzhen, Guangdong Province, China

Manufacturer : **Shenzhen Yizhita Technology Co., Ltd**

Address : Room 1306, Xingtong Building, No. 88 Baoxing Road, Haiwang Community, Xin'an Street, Bao'an District, Shenzhen, Guangdong Province, China

Test Result:	PASS
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Contents

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2026.01.06	Initial Issue	Alisa Luo

2.1 RF Exposure Compliance Requirement

2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

2.1.2 Limits

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:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot \left[\sqrt{f(\text{GHz})} \right]$$
$$\leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

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

2.1.3 EUT RF Exposure

$$\text{EIRP} = \text{PT} * \text{GT} = (\text{E} \times \text{D})^2 / 30$$

where:

PT = transmitter output power in watts,

GT = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m, $10^{(\text{dB}\mu\text{V}/\text{m})/20} / 10^6$,

D = measurement distance in meters (m)---3m,

So $\text{PT} = (\text{E} \times \text{D})^2 / 30 / \text{GT}$

The worst case (refer to report MTEB26010029-R) is below:

Antenna polarization: Horizontal		
Frequency (MHz)	Level (dBuV/m)	Polarization
2403	88.2	Peak
2403	68.2	Average

Antenna polarization: Vertical		
Frequency (MHz)	Level (dBuV/m)	Polarization
2480	87.6	Peak
2480	66.5	Average

For 2403MHz :

Field strength=88.2dBuV/m

Ant gain:-2.39dBi;so Ant numeric gain=0.58

$$\text{EIRP} = \text{PT} * \text{GT} = (\text{E} \times \text{D})^2 / 30 = (10^{(\text{dB}\mu\text{V}/\text{m})/20} / 10^6 * 3)^2 / 30 = 0.000198\text{W}$$

$$\text{So PT} = \text{EIRP} / \text{GT} = 0.000198\text{W} / 0.58 * 1000 = 0.3414\text{mW}$$

$$\text{So } (0.3414\text{mW} / 5\text{mm}) * \sqrt{2.403\text{GHz}} = 0.1058$$

exclusion=0.1058<3.0 for 1-g SAR

So the SAR report is not required.

Measurement Data

BLE

GFSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	-1.54	-1.54 ± 1	-0.54
Middle(2440MHz)	-1.16	-1.16 ± 1	-0.16
Highest(2480MHz)	-0.83	-0.83 ± 1	0.17

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Highest(2480MHz)	-0.83	0.17	1.04	0.33	3.0	Yes