



REPORT No.: SZ24100189W04

# TEST REPORT

**APPLICANT** : Rhino Mobility LLC

**PRODUCT NAME** : Hotspot

**MODEL NAME** : H1

**BRAND NAME** : RHINO

**FCC ID** : 2AUOUH1

**STANDARD(S)** : 47 CFR Part 2  
47 CFR Part 96

**RECEIPT DATE** : 2024-10-28

**TEST DATE** : 2024-11-06 to 2024-12-20

**ISSUE DATE** : 2025-01-20

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**MORLAB**

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Change History		
Version	Date	Reason for change
1.0	2025-01-20	First edition



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Rhino Mobility LLC
<b>Applicant Address:</b>	8 The Green, Suite A, Dover, Delaware,19901, USA
<b>Manufacturer:</b>	Rhino Mobility LLC
<b>Manufacturer Address:</b>	8 The Green, Suite A, Dover, Delaware,19901, USA

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	Hotspot	
<b>Sample No.:</b>	2#, 7#	
<b>Hardware Version:</b>	SD5001_V1.0	
<b>Software Version:</b>	H1(001)_20250109	
<b>Modulation Type:</b>	QPSK, 16QAM, 64QAM, 256QAM	
<b>Operation Band:</b>	Band 48	
<b>Carrier Aggregation(UL):</b>	Not Support	
<b>Frequency Range:</b>	LTE Band 48	Tx: 3550MHz–3700MHz
		Rx: 3550MHz–3700MHz
<b>Channel Bandwidth</b>	LTE Band 48	5MHz, 10MHz, 15MHz, 20MHz
<b>Antenna Type:</b>	PIFA Antenna	
<b>Antenna Gain:</b>	LTE Band 48	-0.42dBi
<b>Accessory Information:</b>	Battery	
	Brand Name:	RHINO
	Model No.:	SA3401
	Serial No.:	N/A
	Capacity:	4000mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	Jiade Energy Technology (Zhuhai) Co., Ltd.
	AC Adapter	
	Brand Name:	RHINO
	Model No.:	XT-C15



	Serial No.:	N/A
	Rated Output:	5.0V $\pm$ 2.0A
	Rated Input:	100-240V $\sim$ 50/60Hz, 0.3A
	Manufacturer:	DONGGUAN SUMMER ELECTRONICS CO., LTD.
	USB Cable	
	Model No.:	XSD607000014A
	Manufacturer:	DOWAYE ELECTRONICS CO., LTD

**Note 1:** The test results of all test items please refer to the module FCC test report (Report No.:SZ24100188W04, FCC ID: 2AUOUM3501), which issued on Jan. 08, 2025. The module has been certified by Shenzhen Morlab Communications Technology Co., Ltd. on Jan. 13, 2025.

**Note 2:** There is no extra evaluation for RSE, because hotspot used the same host RSE sample with that of module while tesing the RSE.

**Note 3:** For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



### 1.3. Test Standards and Results

The objective of the report is to perform testing according to Part 2 and Part 96 for the EUT FCC ID Certification:

No	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 96	CITIZENS BROADBAND RADIO SERVICE

Test detailed items/section required by FCC rules and results are as below:

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046, 96.41(b)	Transmitter Conducted Output Power and ERP/EIRP	Dec. 31, 2024 Jan. 02, 2025	Shen Biahong Gan Jing	PASS <sub>Note1</sub>	No deviation
2.1049	Occupied Bandwidth	Dec. 09, 2024	Gan Jing	PASS <sub>Note1</sub>	No deviation
96.41(g)	Peak -Average Ratio	Dec. 09, 2024	Gan Jing	PASS <sub>Note1</sub>	No deviation
2.1055	Frequency Stability	Dec. 31, 2024	Gan Jing	PASS <sub>Note1</sub>	No deviation
2.1051, 96.41(e)	Conducted Spurious Emissions	Dec. 09, 2024	Gan Jing	PASS <sub>Note1</sub>	No deviation
2.1051, 96.41(e)	Band Edge	Dec. 09, 2024	Gan Jing	PASS <sub>Note1</sub>	No deviation
2.1053, 96.41(e)	Radiated Spurious Emissions	Dec. 12, 2024	Li Hanbin	PASS <sub>Note1</sub>	No deviation

**Note 1:** The test results of all test items please refer to the module FCC test report (Report No.:SZ24100188W04, FCC ID: 2AUOUM3501), which issued on Jan. 08, 2025.

**Note 2:** Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

**Note 3:** When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.



## 1.4. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106



## Annex A Testing Laboratory Information

### 1. Identification of the Responsible Testing Laboratory

<b>Laboratory Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd.
<b>Laboratory Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
<b>Telephone:</b>	+86 755 36698555
<b>Facsimile:</b>	+86 755 36698525

### 2. Identification of the Responsible Testing Location

<b>Name:</b>	Shenzhen Morlab Communications Technology Co., Ltd.
<b>Address:</b>	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

### 3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.

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