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 22, Subpart H 47 CFR Part 24, Subpart E 47 CFR Part 27, Subpart D&F&H&LM&N
RECEIPT DATE	:	2024-10-28
TEST DATE	:	2024-11-06 to 2024-12-20
ISSUE DATE	:	2025-01-20

Edited by: Zeng Xiaoying (Rapporteur)

Approved by: Shen Junsheng (Supervisor)

MORLAB
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DIRECTORY

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

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

1.2. Equipment Under Test (EUT) Description

Product Name:	Hotspot	
Sample No.:	2#, 7#	
Hardware Version:	SD5001_V1.0	
Software Version:	H1(001)_20250109	
Modulation Type:	QPSK, 16QAM, 64QAM, 256QAM	
Operation Band:	Band 2 / 4 / 5 / 7 / 12 / 13 / 25 / 26 / 30 / 41 / 66 / 71	
Carrier Aggregation(UL):	Not Support	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 7	Tx: 2500MHz–2570MHz
		Rx: 2620MHz–2690MHz
	LTE Band 12	Tx: 699MHz–716MHz
		Rx: 729MHz–746MHz
	LTE Band 13	Tx: 777MHz–787MHz
		Rx: 746MHz–756MHz
	LTE Band 25	Tx: 1850MHz–1915MHz
		Rx: 1930MHz–1995MHz
	LTE Band 26	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz

	LTE Band 30	Tx: 2305MHz–2315MHz
		Rx: 2350MHz–2360MHz
	LTE Band 41	Tx: 2496MHz–2690MHz
		Rx: 2496MHz–2690MHz
	LTE Band 66	Tx: 1710MHz–1780MHz
		Rx: 2110MHz–2200MHz
	LTE Band 71	Tx: 663MHz–698MHz
		Rx: 617MHz–652MHz
Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 7	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 13	5 MHz, 10MHz
	LTE Band 25	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz
	LTE Band 30	5 MHz, 10MHz
	LTE Band 41	5 MHz, 10MHz, 15MHz, 20MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	1.14dBi
	LTE Band 4	-0.24dBi
	LTE Band 5	1.71dBi
	LTE Band 7	-0.18dBi
	LTE Band 12	1.88dBi
	LTE Band 13	1.69dBi
	LTE Band 25	1.14dBi
	LTE Band 26	1.71dBi
	LTE Band 30	-1.66dBi
	LTE Band 41	0.06dBi
	LTE Band 66	-0.24dBi
	LTE Band 71	-1.26dBi
Accessory Information:	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⎓2.0A
	Rated Input:	100-240V~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.:SZ24100188W02, 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, Part 22, Part 24 and Part 27 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 22	Public Mobile Services
3	47 CFR Part 24	Personal Communications Services
4	47 CFR Part 27	Miscellaneous Wireless Communications Services

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 22.913(a)(2) 24.232(c) 27.50(a)(3) 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) 27.50(h)(2)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Dec. 31, 2024 Jan. 02, 2025	Shen Biaohong Gan Jing	$PASS_{Note1}$	No deviation
2.1049	Occupied Bandwidth	Nov. 29, 2024 Dec. 09, 2024	Gan Jing	$PASS_{Note1}$	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Dec. 31, 2024	Gan Jing	$PASS_{Note1}$	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Nov. 29, 2024	Gan Jing	$PASS_{Note1}$	No deviation
2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	Dec. 09, 2024	Gan Jing	$PASS_{Note1}$	No deviation

2.1051 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Band Edge	Nov. 06, 2024 Dec. 09, 2024	Gan Jing	$PASS_{Note1}$	No deviation
2.1053 22.917(a) 24.238(a) 27.53(a)(4) 27.53(c)(2) 27.53(g) 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	Dec. 10&12, 2024	Li Hanbin	$PASS_{Note1}$	No deviation
Note 1: The test results of all test items please refer to the module FCC test report (Report No.:SZ24100188W02, 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

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

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	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 C63.10-2013and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.

END OF REPORT