RF MEASUREMENT REPORT

FCC ID:	UTWXT4WA
Applicant:	Janam Technologies LLC
Product:	Mobile Computer
Model No.:	XT4
Brand Name:	Janam
FCC Rule(s):	Part 96.47
Result:	Complies
Received Date:	2025-01-09
Test Date:	2025-01-13

Reviewed By: Yuri Li

Yuri Li

Approved By: Robin Wu

Robin Wu

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

Revision History

Report No.	Version	Description	Issue Date	Note
R25S1016019-U301	V01	Initial Report	2025-04-22	Valid

CONTENTS

1. General Information

1.1. Applicant

Janam Technologies LLC

999 South Oyster Bay Rd Suite 409 Bethpage, NY 11714

1.2. Manufacturer

Janam Technologies LLC

999 South Oyster Bay Rd Suite 409 Bethpage, NY 11714

1.3. Testing Facility

<table>
<tr><td>☒</td><td colspan="5">Test Site – MRT Suzhou Laboratory</td></tr>
<tr><td></td><td colspan="5">Laboratory Location (Suzhou - Wuzhong)
D8 Building, No.2 Tian’edang Rd., Wuzhong Economic Development Zone, Suzhou, China
Laboratory Location (Suzhou - SIP)
4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China
Laboratory Location (Suzhou - Wujiang)
Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People’s Republic of China</td></tr>
<tr><td></td><td colspan="5">Laboratory Accreditations</td></tr>
<tr><td></td><td colspan="2">A2LA: 3628.01</td><td colspan="3">CNAS: L10551</td></tr>
<tr><td></td><td colspan="2">FCC: CN1166</td><td colspan="3">ISED: CN0001</td></tr>
<tr><td></td><td>VCCI:</td><td>☐R-20025</td><td>☐G-20034</td><td>☐C-20020</td><td>☐T-20020</td></tr>
<tr><td></td><td></td><td>☐R-20141</td><td>☐G-20134</td><td>☐C-20103</td><td>☐T-20104</td></tr>
<tr><td>☐</td><td colspan="5">Test Site – MRT Shenzhen Laboratory</td></tr>
<tr><td></td><td colspan="5">Laboratory Location (Shenzhen)
1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China</td></tr>
<tr><td></td><td colspan="5">Laboratory Accreditations</td></tr>
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<tr><td></td><td colspan="2">FCC: CN1284</td><td colspan="3">ISED: CN0105</td></tr>
<tr><td>☐</td><td colspan="5">Test Site – MRT Taiwan Laboratory</td></tr>
<tr><td></td><td colspan="5">Laboratory Location (Taiwan)
No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)</td></tr>
<tr><td></td><td colspan="5">Laboratory Accreditations</td></tr>
<tr><td></td><td colspan="5">TAF: 3261</td></tr>
<tr><td></td><td colspan="2">FCC: 291082, TW3261</td><td colspan="3">ISED: TW3261</td></tr>
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1.4. Product Information

Product Name	Mobile Computer
Model No.	XT4
Brand Name	Janam
IMEI	864430010001091
3GPP Specification	LTE Band 48
Operating Temperature Range	-20~60°C
Supply Voltage Rating	3.84Vdc
Antenna Specification	0.2dBi
Remark: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification under Testing

E-UTRA Specification	
TX & Rx Frequency Range	Band 48: 3550 ~ 3700 MHz
Support Bandwidth	5, 10, 15, 20MHz
Support Power Class	PC3
Modulation	UL up to 64QAM
Device Type	End User Device

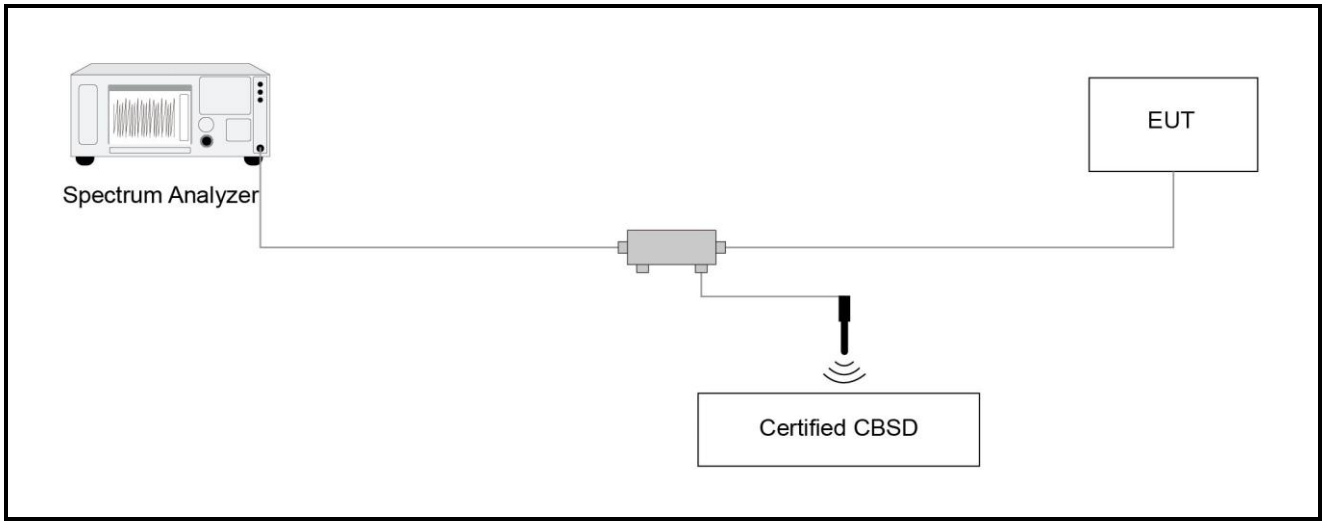
1.6. Test Methodology

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC CFR 47 Part Part 96.47
- FCC KDB 940660 D01 v03 Part 96 CBRS Eqpt
- WINNF-TS-0122 V1.0.2: Test and Certification for Citizens Broadband Radio Service (CBRS); Conformance and Performance Test Technical Specification; CBSD/DP as Unit Under Test (UUT)

2. Test Configuration

2.1. Test System Connection Diagram



2.2. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20% ~ 75%RH

3. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Thermohygrometer	testo	608-H1	MRTSUE06362	1 year	2025-02-04	WZ-SR6
Shielding Room	HUAMING	WZ-SR6	MRTSUE06443	N/A	N/A	WZ-SR6
Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2025-05-08	WZ-SR6
Directional Coupler	narda	4226-10	MRTSUE06562	1 year	2025-10-24	WZ-SR6

Certified CBSD Information

Instrument	**Manufacturer**	**Type No.**	**FCC ID**
B48 Base Station	SERCOMM	SCE4255w	P27-SCE4255W

4. Decision Rules and Measurement Uncertainty

4.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Conducted Test
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 1.47dB

5. Test Result

5.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Test Result
96.47	End User Device Additional Requirements (CBSD Protocol)	Conducted	Pass

Notes: The analyzer plots shown in this section were captured using a correction table to account for cable and attenuator losses in the system connecting the EUT to the analyzer across relevant frequencies.

5.2. End User Device Additional Requirement (CBSD Protocol) Measurement

5.2.1. Test Limit

End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.

An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD

5.2.2. Test Procedure

KDB 940660 D01 v03, WINNF-TS-0122 V1.0.2

5.2.3. Test Setting

The EUT was connected via an RF cable to a certified CBSD (Sercomm Corp. FCC ID: P27-SCE4255W) and spectrum analyzer. The following procedure is performed by applying WINNF-TS-0122 CBRS CBSD Test Specification.

Step 1:

a. Setup WINNF.PT.C.HBT.1 with 3570 ~ 3590MHz and power level at 6 dBm/MHz.

b. Enable Smallcell service from EPC Manage Tool.

c. Check EUT Tx frequency and power.

d. Disable Smallcell service from EPC Manage Tool and check EUT stop transmission within 10s.

Step 2:

a. Setup WINNF.PT.C.HBT.1 with 3670 ~ 3690MHz and power level at 11 dBm/MHz.

b. Enable Smallcell service from EPC Manage Tool.

c. Check EUT Tx frequency and power.

d. Disable Smallcell service from EPC Manage Tool and check EUT stop transmission within 10s.

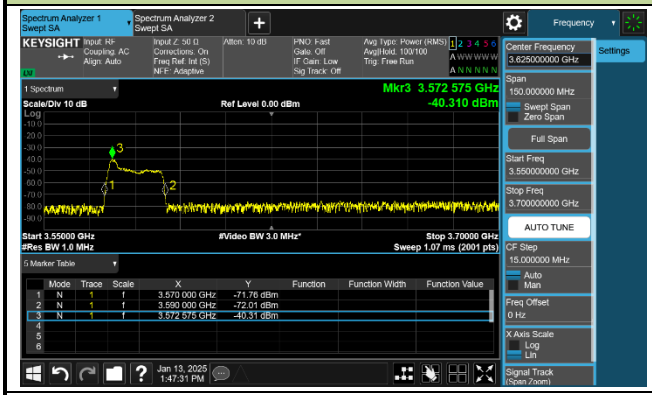
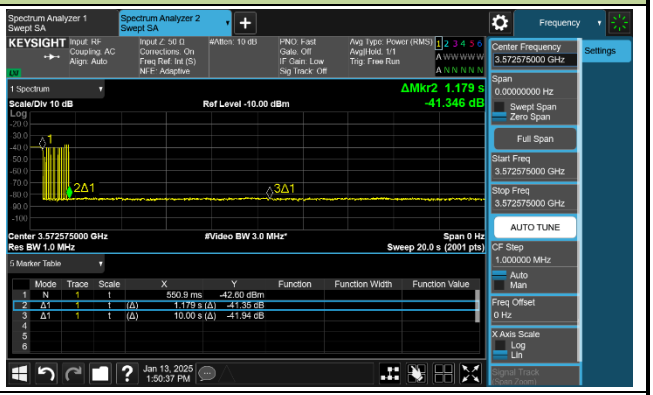
5.2.4. Test Result

Refer to Appendix A.1.

Appendix A - Test Result

A.1 End User Device Additional Requirement (CBSD Protocol) Test Result

Test Site	WZ-SR6	Test Engineer	Jone Zhang
Test Date	2025-01-13	Test Band	CBSD transmit at 3580MHz (20MHz BW), 6 dBm/MHz

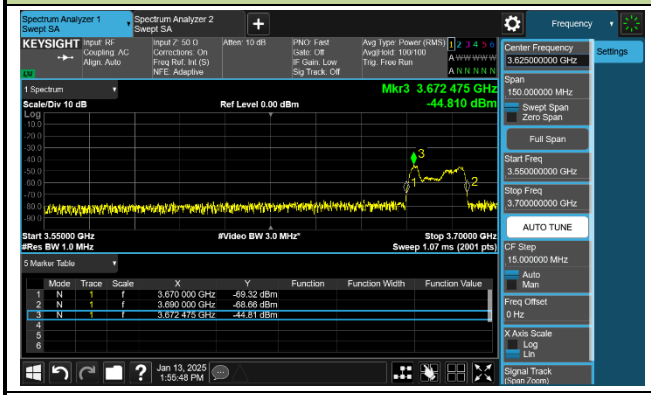
Frequency Operation	Discontinues Operations within 10s
	

Marker 1: CBSD sends instructions to discontinue LTE operations.

Marker 2: EUT discontinues operation.

Marker 3: 10 seconds elapsed time from CBSD sending instructions to EUT.

Test Site	WZ-SR6	Test Engineer	Jone Zhang
Test Date	2025-01-13	Test Band	CBSD transmit at 3680MHz (20MHz BW), 11 dBm/MHz

Frequency Operation	Discontinues Operations within 10s
	

Marker 1: CBSD sends instructions to discontinue LTE operations.

Marker 2: EUT discontinues operation.

Marker 3: 10 seconds elapsed time from CBSD sending instructions to EUT.

Appendix B - Test Setup Photograph

Refer to “R25S1016019-U3 -UT” file.

The End