



RF MEASUREMENT REPORT

FCC ID: HD5-CK67X1N
Applicant: Honeywell International Inc
Product: Mobile Computer
Model No.: CK67X1N
Brand Name: Honeywell
FCC Rule(s): Part 96.47
Result: Complies
Received Date: 2024-10-21
Test Date: 2024-11-08

Reviewed By:

Ada Zhang

Approved By:

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.26-2015. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2410RSU052-U3	V01	Initial Report	2025-01-07	Valid

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1. General Information

1.1. Applicant

Honeywell International Inc

9680 Old Bailes Rd. Fort Mill, SC 29707 United States

1.2. Manufacturer

Honeywell International Inc

9680 Old Bailes Rd. Fort Mill, SC 29707 United States

1.3. Testing Facility

☒	Test Site – MRT Suzhou Laboratory 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 Laboratory Accreditations A2LA: 3628.01 CNAS: L10551 FCC: CN1166 ISED: CN0001 VCCI: ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104
☐	Test Site – MRT Shenzhen Laboratory Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China Laboratory Accreditations A2LA: 3628.02 CNAS: L10551 FCC: CN1284 ISED: CN0105
☐	Test Site – MRT Taiwan Laboratory Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) Laboratory Accreditations TAF: 3261 FCC: 291082, TW3261 ISED: TW3261

1.4. Product Information

Product Name	Mobile Computer
Model No.	CK67X1N
Brand Name	Honeywell
Serial No.	24295D8079
IMEI	990021490035589
NFC Specification	13.56MHz
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Bluetooth Specification	Dual mode
2nd Bluetooth Specification	Bluetooth-LE only
GNSS Specification	GPS/BDS/Galileo/GLONASS
3GPP Specification	LTE B2/4/5/7/12/13/14/17/25/26/30/38/41/14/42/43/48/66/71 5G NR n2/5/7/12/13/14/25/26/30/38/41/48/66/71/77/78
Antenna Specification	Refer to Section 1.6
Operating Temp.	-20 ~ 50°C
Accessories	
Rechargeable Li-ion Battery	Model: CK65-BTSC Min. (Rated Capacity): 6800mAh Typ. (Nominal Capacity): 7000mAh/25.2Wh Nominal Voltage: 3.6V
USB C-C Cable	Specification: Shielding, 1.0m Brand: Honeywell P/N: 3015-2073-001
Bottom I/O Cable	Specification: Shielding, 0.9m Brand: Honeywell P/N: 236-297-001
AC/DC Adapter #1	Model: PSA10F-050Q Input: 100-240V~, 50/60Hz, 0.35A Output: 5VDC 2.0A 10.0W Brand: Phihong Technology Co., Ltd
AC/DC Adapter #2	Model: MDY-14-EU Input: 100-240V~, 50/60Hz, 2.0A Single Output (USB-A/C): 5VDC 3A/ 9VDC 3A/ 11VDC 6.1A MAX/ 20VDC 3.25A Dual Output: USB-A: 5VDC 3A/ 9VDC 2.22A USB-C: 5VDC 3A/ 11VDC 4A MAX/ 20VDC 2.25A MAX Brand: Xiaomi

Remarks:

1. The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.
2. The battery and Type C-C cable are sold with the product, other accessories are not sold with the product. Adapter 1# is chosen by the manufacturer, and Adapter 2# is provided by the manufacturer.

1.5. Radio Specification under Testing

NR Specification	
TX & Rx Frequency Range	n48: 3550 ~ 3700 MHz
Support Bandwidth	10, 15, 20, 30, 40
Support Power Class	PC3
Modulation	UL & DL up to 256QAM
Device Type	End User Device

1.6. Description of Available Antennas

Technology	Frequency Range (MHz)	Antenna Type	Max Peak Gain (dBi)
NR Band 48	3550 ~ 3700	PIFA	-1.51
Note: All antenna information (Antenna type and Peak Gain) is provided by the manufacturer.			

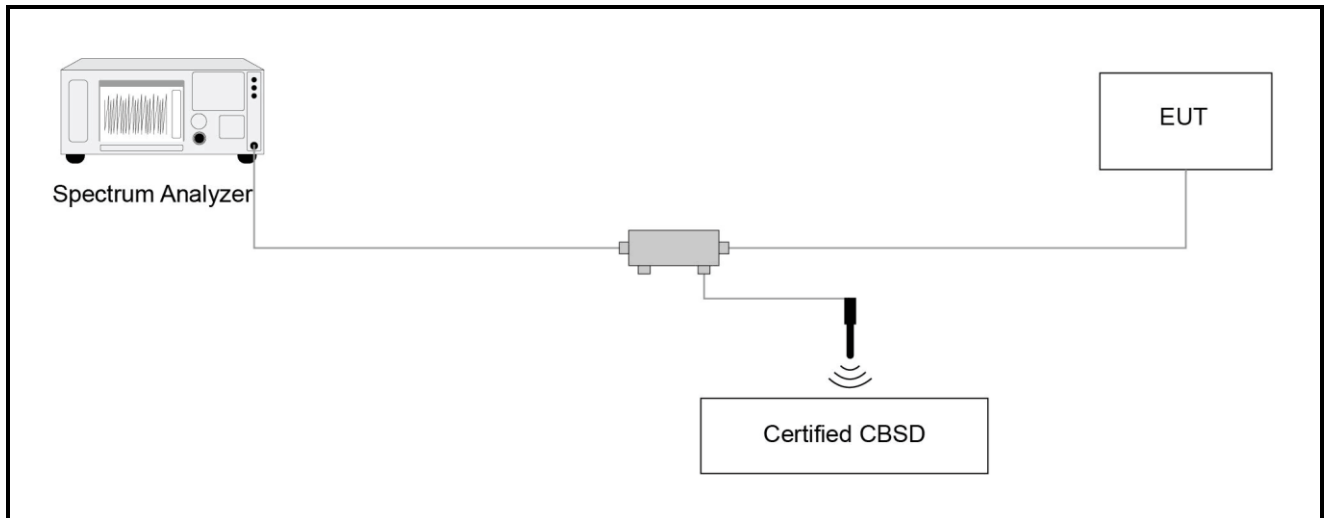
1.7. Test Methodology

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

- ANSI C63.26:2015
- FCC CFR 47 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
Attenuator	MVE	MVE2213	MRTSUE11077	1 year	2025-06-05	WZ-SR6
Directional Coupler	narda	4226-10	MRTSUE06562	1 year	2025-10-24	WZ-SR6
Signal Analyzer	Keysight	N9010B	MRTSUE07027	1 year	2025-10-13	WZ-SR6

Certified CBSD Information

Instrument	Manufacturer	Type No.	FCC ID
n48 Base Station	Nokia	AZQC	2AD8UAZQCRH1

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% ($U=2U_c(y)$): 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 all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.

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 aCBSD, 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 (Nokia solutions and Networks, OY. FCC ID:2AD8UAZQCRH1) 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 24 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 17 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.

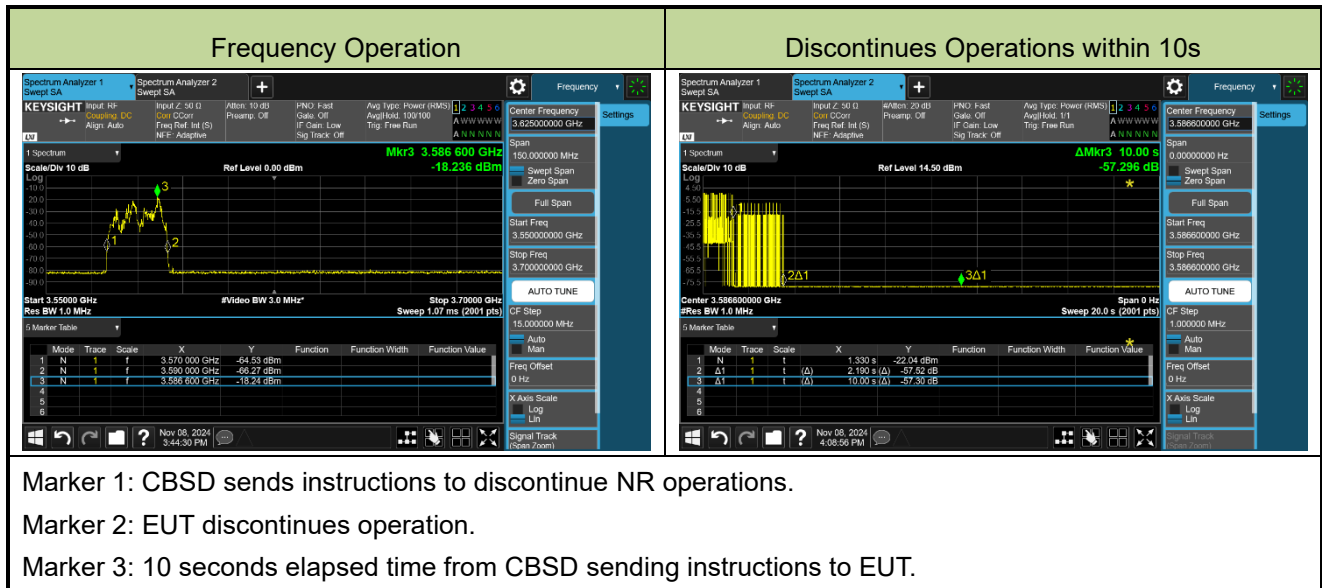
5.2.4. Test Result

Refer to Appendix A.7.

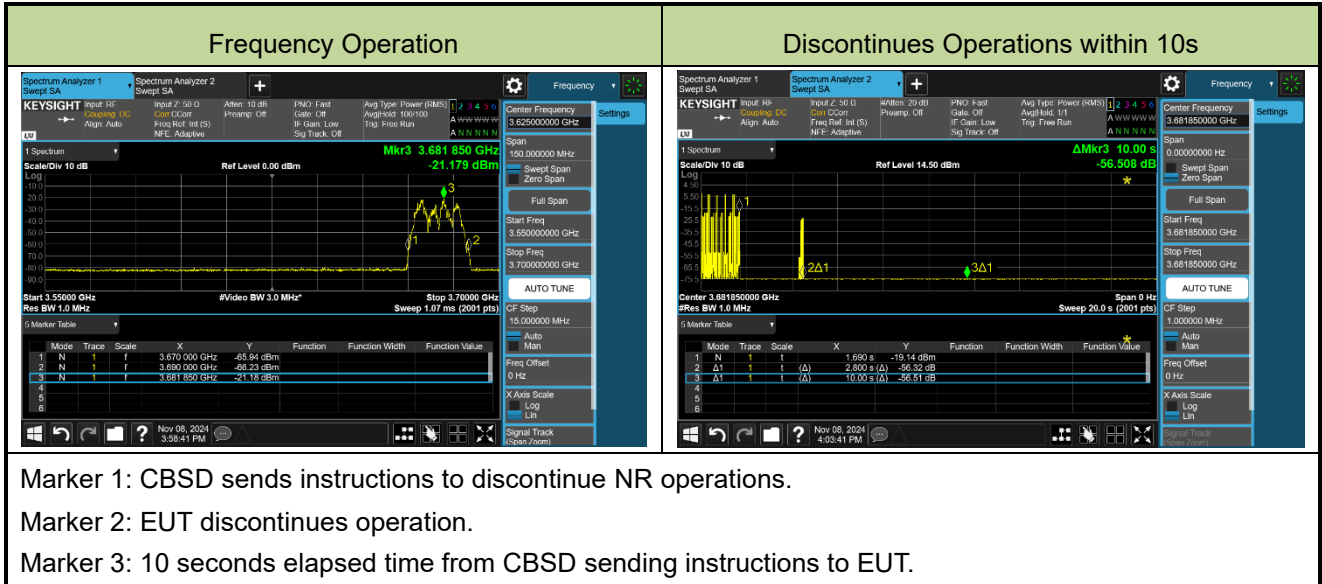
Appendix A - Test Result

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

Test Site	WZ-SR6	Test Engineer	Jone Zhang
Test Date	2024-11-08	Test Band	CBSD transmit at 3580MHz (20MHz BW), 24dBm/MHz



Test Site	WZ-SR6	Test Engineer	Jone Zhang
Test Date	2024-11-08	Test Band	CBSD transmit at 3680MHz (20MHz BW), 17dBm/MHz



Appendix B - Test Setup Photograph

Refer to “2410RSU052-UT” file.

Appendix C - EUT Photograph

Refer to “2408TW0104-UE and 2408TW0104-UI” files.