

WSCT**WSCT****WSCT****WSCT****WSCT****WSCT****WSCT****WSCT****WSCT****WSCT****WSCT****WSCT****WSCT****TEST REPORT**

FCC ID: 2AIZN-X6876

Product: Mobile Phone **WSCT**

Model No.: X6876

Trade Mark: Infinix

Report No.: WSCT-ANAB-R&E250500038A-CBSD **WSCT**

Issued Date: 20 June 2025

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Issued for:

INFINIX MOBILITY LIMITED
FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI
STREET FOTAN NT HONGKONG

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Issued By:

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1. Test Certification

| | |
|-----------------------|--|
| Product: | Mobile Phone |
| Model No.: | X6876 |
| Trade Mark: | Infinix |
| Applicant: | INFINIX MOBILITY LIMITED FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG |
| Manufacturer: | INFINIX MOBILITY LIMITED FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG |
| Date of Test: | 24 May 2025 to 20 June 2025 |
| Applicable Standards: | FCC Part 96.47 FCC KDB 940660 D01 Part 96 CBRS Eqpt V02 |

The above equipment has been tested by World Standardization Certification & Testing Group(Shenzhen)Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By: Wang Xiang
(Wang Xiang)

Checked By: Chen Xu
(Chen Xu)

Approved By: Qin Shuiquan
(Qin Shuiquan)

Date: 20 Jun 2025



2. Test Result Summary

| No. | Item | Standard. | Test Case ID | Result |
|-----|---|------------|--------------|--------|
| 1 | End User Device additional requirement. | Part 96.47 | Pass | pass |

The UUT is an End User Device. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards:

FCC Part 96.47

FCC KDB 940660 D01 Part 96 CBRS Eqpt v03

WINNF-TS-0122-V1.0.2 CBRS CBSD Test Specification

WINNF-18-IN-00178 CBRS End User Device as UUT Test Guidelines



3. EUT Description

| | |
|----------------------------|--|
| Product Name: | Mobile Phone |
| Model : | X6876 |
| Trade Mark: | Infinix |
| Operating Bands | TDD 5G NR Band 77/78 |
| Antenna Type: | Integral Antenna |
| Antenna gain: | 5G NR 77/78: 0.42dBi |
| Operation Frequency Range: | NR Band77: 3550-3700 MHz(TX), 3550-3700 MHz(RX); NR Band78: 3550-3700 MHz(TX), 3550-3700 MHz(RX); |
| Operating Voltage: | Adapter: U450XSB Input: 100-240V~50/60Hz 1.8A Output: 5.0V~3.0A 15.0W or 5.0-10.0V~4.5A or 11.0V~4.1A 45.0W MAX Rechargeable Li-ion Polymer Battery: BL-54AX® Rated Voltage: 3.91V Rated Capacity: 5100mAh Typical Capacity: 5200mAh Nominal Energy: 19.95Wh Limited Charge Voltage: 4.50V |
| Remark: | N/A. |

Note: 1. N/A stands for no applicable.

2. The antenna gain is provided by the customer. For any reported data issues caused by the antenna gain, World Standardization Certification&Testing Group (Shenzhen) Co., Ltd assumes no responsibility.



3.1. Test Methodology of Applied Standards

FCC Part 96.47

FCC KDB 940660 D01 Part 96 CBRS Eqpt V02

3.2. Facilities

All measurement facilities used to collect the measurement data are located at **Building A-B, Baoli'an Industrial Park, No.58 and 60, Tangtou Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province, China** of the World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

3.3. ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025:2017.

USA

ANAB - Certificate Number: AT-3951

China

CNAS (Registration Number: L3732)

Canada

ISED(CAB identifier:CN0178)

Copies of granted accreditation certificates are available for downloading from our web site, <http://www.wsct-cert.com>

4. MEASUREMENT

4.1. End User Device additional requirements

FCC Part 96.47

(a) 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.

(1) 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.

4.2. Measurement Results Explanation Example

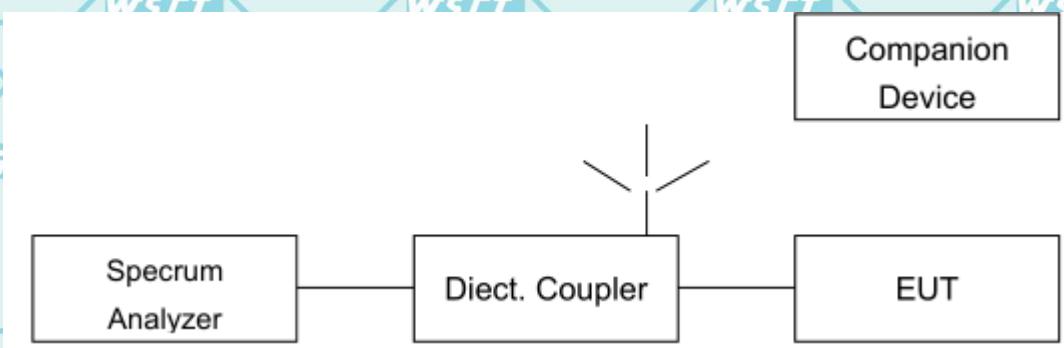
For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

1. Setup with frequency 3590-3610MHz and power level 18dBm/MHz;
2. Enable AP service from EPC management
3. Check EUD Tx Frequency and power
4. Disable AP service from EPC management
 - a. Check EUD stops transmission within 10seconds.
5. Setup with frequency 3610-3630MHz and power level 5dBm/MHz;
6. Enable AP service from EPC management
7. Check EUD Tx Frequency and power
8. Disable AP service from EPC management
 - a. Check EUD stops transmission within 10seconds.

4.3. Test Configuration of Equipment Under Test:

Connection Diagram of Test System



The EUT is an End User Device (EUD) which was connected to a certified Gentek CBSD as the company-ion device to show compliance with Part 96.47 requirement.

4.4. Measurement Equipment Used

| NAME OF EQUIPMENT | MANUFACTURER | MODEL | SERIAL NUMBER | Calibration Date | Calibration Due. |
|-------------------|---------------|-------------|---------------|------------------|------------------|
| Spectrum Analyzer | keysight | FSU | 100114 | 11/05/2024 | 11/04/2025 |
| DC Power Supply | Gwinstek | SPS-3611 | GEV856725 | 11/05/2024 | 11/04/2025 |
| Attenuator | KEYSIGHT | 8494B | TH60073522 | 11/05/2024 | 11/04/2025 |
| Attenuator | KEYSIGHT | 8494B | TH60073536 | 11/05/2024 | 11/04/2025 |
| DC Block | Mini-Circuits | BLK-18-S+ | 5 | 11/05/2024 | 11/04/2025 |
| Power Divider | RF-LAMBAD | RFLT2W1G18G | 11-JSPF412 | 11/05/2024 | 11/04/2025 |
| 2WayDivider | Woken | A02056002D | DSU7AMW9S | 11/05/2024 | 11/04/2025 |

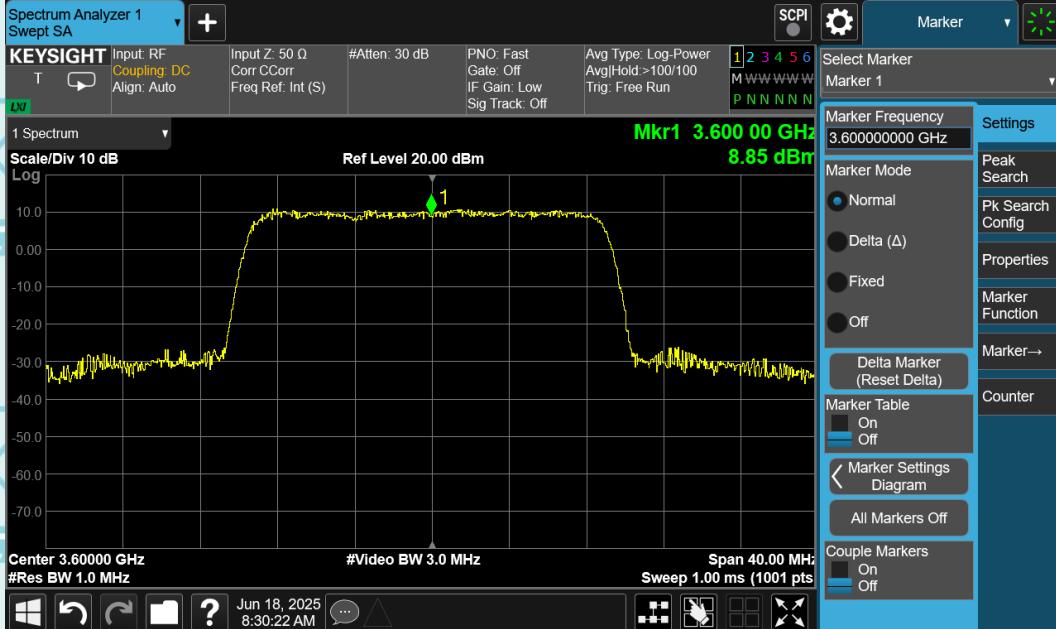
4.5. Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|--------------------|--------------|---|---------------------|
| AP | PC i- | FXG-05TX | N/A |
| 5G NR Base station | Baicells | BSC7048A243 (FCC ID: 2AG32BSC7048A243) | 120200056822C2B0002 |
| EPC | Gentek | CSB-3230A-GT1 | N/A |
| PC | Lenovo | TP00067A | PF-OGT3MS |

4.6. Measurement Result

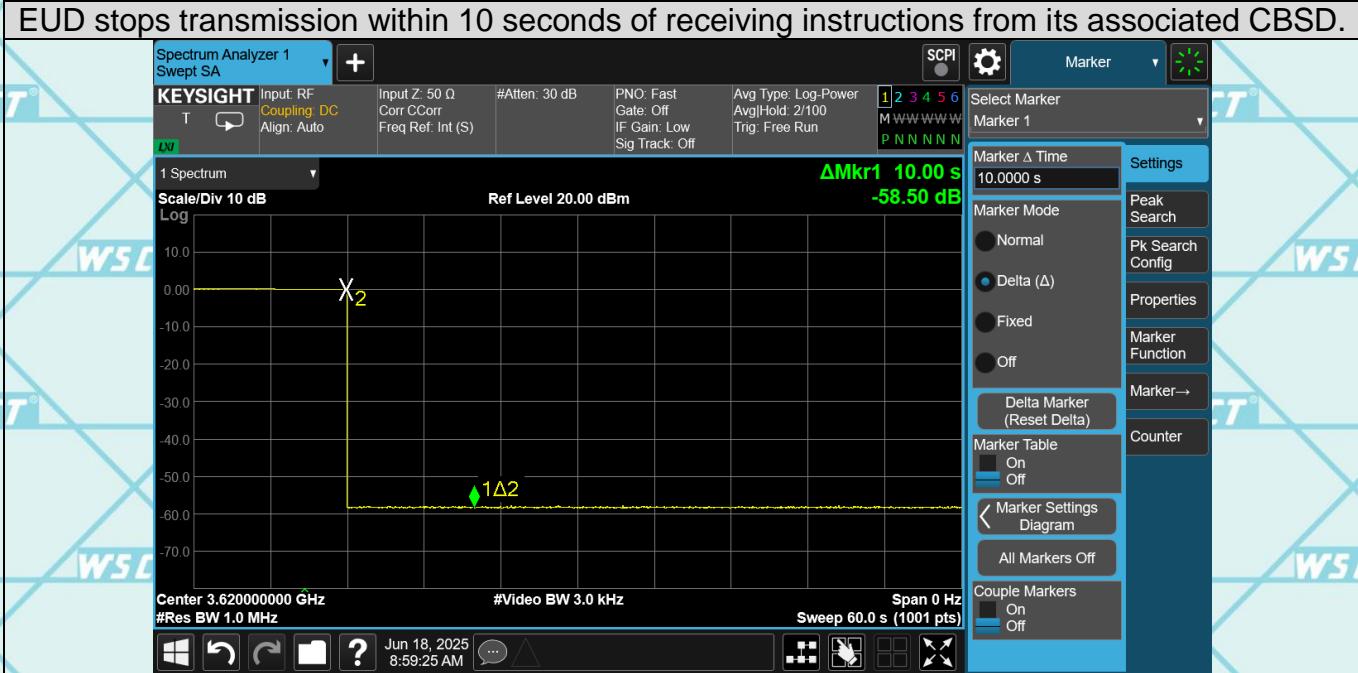
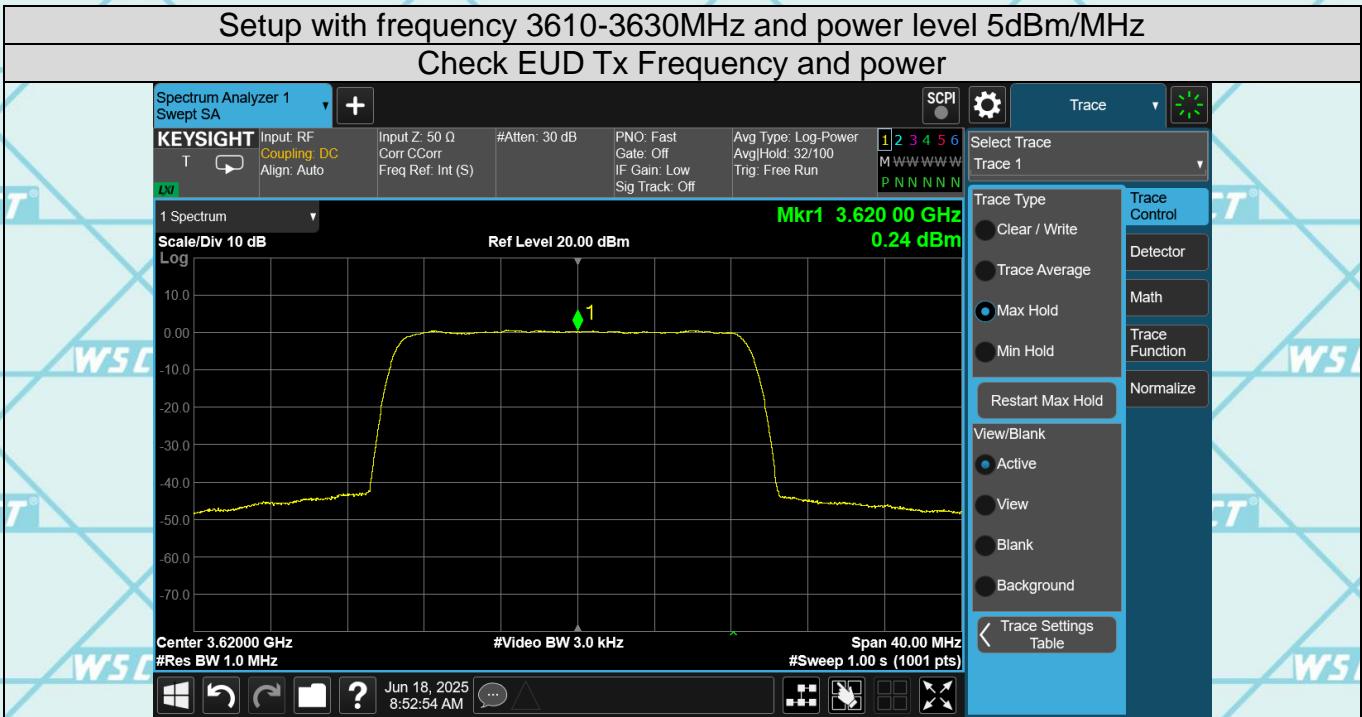
Setup with frequency 3590-3610MHz and power level 18dBm/MHz

Check EUD Tx Frequency and power



EUD stops transmission within 10 seconds of receiving instructions from its associated CBSD.





5. Test Setup Photographs

Please refer to Annex "Set Up Photos-CBE" for test setup photos

*****END OF REPORT*****