

Notified Body
Eurofins Electrical and Electronic Testing NA, Inc.

EU-TYPE EXAMINATION CERTIFICATE

Registration Number: 4078-07-2025-250421

Manufacturer: Zyxel Communications Corporation
No.2 Industry East RD. IX, Hsinchu Science Park, Hsinchu 30075,
Taiwan

Product Description: 5G NR Portable Router
Model Number/Name: NR2111

Essential Requirement(s)

Art. 3.1(a) Safety
Art. 3.1 (a) Health
Art. 3.1(b) EMC
Art. 3.2 Radio

Result

Conform
Conform
Conform
Conform

Examination Result:

Based on the reports provided and the information therein, the equipment referenced above is compliant to these specifications.

The scope of evaluation relates to the submitted documents only.

This Certificate is issued in accordance with Annex III, Module B, of the RE directive 2014/53/EU of 16 April 2014 and is only valid in conjunction with the attached Annex.

7/24/2025

Date



Signed By Tom Zhang

Notified Body

For validation of this document's authenticity, please contact globalcertification@cpt.eurofinsus.com for verification.

Annex

Product specification

Hardware version:

MIFI.M521.H01

Software version:

MIFI.M521.B01

Frequency Band(s):

WCDMA Band I, WCDMA Band VIII

WCDMA Band I: Tx: 1920-1980MHz, Rx: 2110-2170MHz

WCDMA Band VIII: Tx: 880-915MHz, Rx: 925-960MHz

FDD-LTE Band 1, 3, 7, 8, 20, 28; TDD-LTE Band 38, 40, 41

FDD-LTE Band 1: Tx: 1920-1980MHz, Rx: 2110-2170MHz

FDD-LTE Band 3: Tx: 1710-1785MHz, Rx: 1805-1880MHz

FDD-LTE Band 7: Tx: 2500-2570MHz, Rx: 2620-2690MHz

FDD-LTE Band 8: Tx: 880-915MHz, Rx: 925-960MHz

FDD-LTE Band 20: Tx: 832-862MHz, Rx: 791-821MHz

FDD-LTE Band 28: Tx: 703-748MHz, Rx: 758-803MHz

TDD-LTE Band 38: Tx: 2570-2620MHz, Rx: 2570-2620MHz

TDD-LTE Band 40: Tx: 2300-2400MHz, Rx: 2300-2400MHz

TDD-LTE Band 41: Tx: 2496-2690MHz, Rx: 2496-2690MHz

n1, n3, n7, n8, n20, n28, n38, n40, n41, N77, N78

CA_1C, CA_3C, CA_7C, CA_8B, CA_38C, CA_40C, CA_41C

N1: Uplink 1920-1980MHz, Downlink 2110-2170MHz

N3: Uplink 1710-1785MHz, Downlink 1805-1880MHz

N7: Uplink 2500-2570MHz, Downlink 2620-2690MHz

N8: Uplink 880-915MHz, Downlink 925-960MHz

N20: Uplink 832-862MHz, Downlink 791-821MHz

N28: Uplink 703-748MHz, Downlink 758-803MHz

N38: Uplink 2570-2620MHz, Downlink 2570-2620 MHz

n40: Uplink 2300-2400MHz, Downlink 2300-2400MHz

n41: Uplink 2496-2690MHz, Downlink 2496-2690MHz

n77: Uplink 3300-4200MHz, Downlink 3300-4200MHz

n78: Uplink 3300-3800MHz, Downlink 3300-3800MHz

Wi-Fi (5GHz)

Band 1: 5150-5250MHz, Band 2: 5250-5350MHz

Band 3: 5470-5725MHz

Wi-Fi (5.8GHz)

5725-5875MHz

Wi-Fi (2.4GHz)

2400MHz-2483.5MHz

Transmit Power Range(s):

WCDMA Band I, WCDMA Band VIII

WCDMA Band I: 23.91dBm, WCDMA Band VIII: 23.51dBm

FDD-LTE Band 1, 3, 7, 8, 20, 28; TDD-LTE Band 38, 40, 41

FDD-LTE Band 1: 23.03dBm, FDD-LTE Band 3: 23.00dBm,

FDD-LTE Band 7: 23.03dBm, FDD-LTE Band 8: 23.58dBm,

FDD-LTE Band 20: 23.11dBm FDD-LTE Band 28: 23.82dBm,

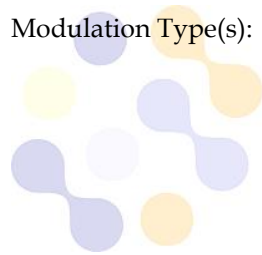
TDD-LTE Band 38: 23.20dBm, TDD-LTE Band 40: 23.22dBm ,

TDD-LTE Band 41: 22.13dBm

LTE UL CA_1C: 22.08dBm, LTE UL CA_3C: 23.18dBm,

LTE UL CA_7C: 22.94dBm, LTE UL CA_8B: 23.08dBm,

Modulation Type(s):



LTE UL CA_38C: 22.93dBm, LTE UL CA_40C: 22.12dBm,
 LTE UL CA_41C: 23.10dBm
 n1, n3, n7, n8, n20, n28, n38, n40, n41, N77, N78
 n1: 22.85dBm; n3: 23.32dBm; n7: 24.05dBm;
 n8: 24.33dBm; n20: 24.92dBm; n28: 24.62dBm, n38: 23.68dBm;
 n40: 24.18dBm; n41: 24.46dBm; n77: 25.21dBm; n78: 25.45dBm
 DC_3A_n7A: 23.15dBm; DC_1A_n40A: 23.5dBm;
 DC_3A_n40A: 23.81dBm; DC_1A_n77A: 25.79dBm;
 DC_3A_n77A: 25.98dBm; DC_28A_n77A: 25.98dBm;
 DC_1A_n78A: 25.57dBm; DC_3A_n78A: 24.81dBm;
 DC_7A_n78A: 24.72dBm; DC_8A_n78A: 25.75dBm;
 DC_20A_n78A: 25.58dBm; DC_28A_n78A: 25.24dBm;
 DC_38A_n78A: 25.55dBm; DC_41A_n78A: 25.55dBm;
 Wi-Fi (5GHz)
 Band 1: Max. 22.37dBm (EIRP)
 Band 2: Max. 21.87dBm (EIRP)
 Band 3: Max. 22.38dBm (EIRP)
 Wi-Fi (5.8GHz)
 Max. 13.70dBm (EIRP)
 Wi-Fi (2.4GHz)
 19.46dBm (EIRP)
 WCDMA Band I, WCDMA Band VIII
 WCDMA: BPSK
 HSPA: QPSK
 HSPA+: 16QAM
 DC-HSDPA: 64QAM
 FDD-LTE Band 1, 3, 7, 8, 20, 28; TDD-LTE Band 38, 40, 41
 UL: QPSK, 16QAM, 64QAM
 DL: QPSK, 16QAM, 64QAM, 256QAM
 n1, n3, n7, n8, n20, n28, n38, n40, n41, N77, N78
 DFT-S-OFDM: PI/2 BPSK/ QPSK/ 16QAM / 64QAM / 256QAM
 CP-OFDM: QPSK/ 16QAM / 64QAM / 256QAM
 Wi-Fi (5GHz)
 BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
 Wi-Fi (5.8GHz)
 BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
 Wi-Fi (2.4GHz)
 DBPSK/DQPSK/BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM
 WCDMA Band I, WCDMA Band VIII
 Integral Antenna
 FDD-LTE Band 1, 3, 7, 8, 20, 28; TDD-LTE Band 38, 40, 41
 Integral Antenna
 n1, n3, n7, n8, n20, n28, n38, n40, n41, N77, N78
 Integral Antenna
 Wi-Fi (5GHz)
 Integral Antenna
 Wi-Fi (5.8GHz)
 Integral Antenna
 Wi-Fi (2.4GHz)

Antenna type(s):

Integral Antenna

Technical Construction File (TCF) Details

To demonstrate conformity with Article 3.1(a) Health		
Applied Standards		
EN 50663:2017		
EN IEC/IEEE 62209-1528:2021		
EN 50566:2017+A1:2023		
Report or Certificate No.	Issue Date	Issued by
WTD25X05139201W009	06/24/2025	Waltek Testing Group (Shenzhen) Co., Ltd.
To demonstrate conformity with Article 3.1(a) Safety		
Applied Standards		
EN IEC 62368-1: 2020+A11: 2020		
Report or Certificate No.	Issue Date	Issued by
WTD25D05139136Y	07/16/2025	Waltek Testing Group Co., Ltd.
To demonstrate conformity with Article 3.1(b) EMC		
Applied Standards		
ETSI EN 301 489-1 V2.2.3 (2019-11)		
ETSI EN 301 489-3 V2.3.2 (2023-01)		
ETSI EN 301 489-17 V3.3.1 (2024-09)		
ETSI EN 301 489-52 V1.3.1 (2024-11)		
Report or Certificate No.	Issue Date	Issued by
WTD25X05139201W008	06/24/2025	Waltek Testing Group (Shenzhen) Co., Ltd.
To demonstrate conformity with Article 3.2 Spectrum Efficiency		
Applied Standards		
ETSI EN 301 908-1 V15.2.1 (2023-01)		
ETSI EN 301 908-2 V13.1.1 (2020-06)		
ETSI EN 301 908-13 V13.3.1 (2024-10)		
ETSI EN 301 908-25 V15.1.1 (2024-10)		
ETSI EN 301 893 V2.1.1 (2017-05)		
ETSI EN 300 440 V2.2.1 (2018-07)		
ETSI EN 300 328 V2.2.2 (2019-07)		
Report or Certificate No.	Issue Date	Issued by
WTD25X05139201W001	06/24/2025	Waltek Testing Group (Shenzhen) Co., Ltd.
WTD25X05139201W002	06/24/2025	Waltek Testing Group (Shenzhen) Co., Ltd.
WTD25X05139201W003	06/24/2025	Waltek Testing Group (Shenzhen) Co., Ltd.
WTD25X05139201W004	06/30/2025	Waltek Testing Group (Shenzhen) Co., Ltd.
WTD25X05139201W005	06/24/2025	Waltek Testing Group (Shenzhen) Co., Ltd.
WTD25X05139201W006	06/24/2025	Waltek Testing Group (Shenzhen) Co., Ltd.
WTD25X05139201W007	06/24/2025	Waltek Testing Group (Shenzhen) Co., Ltd.