## EU TYPE EXAMINATION CERTIFICATE

Radio Equipment Directive 2014/53/EU



NB2906

Certificate Number Project Number

Product Model Number(s) Brand/Trade Name Product Type

#### Manufacturer Address

NB2906.2024.000078 SH-CERT240201077

> NR7501 ZYXEL

5G NR Outdoor Router

Zyxel Communications Corporation

No.2 Industry East RD. IX, Hsinchu Science Park, Hsinchu 30075 Taiwan

#### Results

Conforms Conforms Conforms Conforms N/A N/A

#### Technical Documentation:

Article 3.2 - Radio Spectrum

**Essential Requirements** 

Article 3.1(a) - Health

Article 3.1(a) - Safety

Article 3.1(b) - EMC

Article 3.3a

Article 3.4

SH-CERT240201077-01

Based upon an examination of the Technical Documentation and supporting evidence, the above listed equipment was found to conform with those essential requirements of the Radio Equipment Directive 2014/53/EU as noted above.

This certificate is issued for only the equipment mentioned above and is subject to the conditions and restrictions listed in the Annex. This type examination certification is issued under Module B of the Radio Equipment Directive 2014/53/EU, applying the Notified Body Identification Number adjacent to the CE Marking is NOT permitted. No changes/modifications to the equipment which would require a re-assessment are allowed - any such change will invalidate this type examination certificate.

This certificate is valid for 5 years from the date of issue unless changes/modifications have been made to the applied standard(s) or assessed type of equipment.

Authorized By

Eddy Zong Certifier

Certificate Issue Date February 6, 2024

Page 1 of 2

This certificate is issued by the company under its General Conditions for Certification Services accessible at <a href="https://www.sgs.com/en/terms-and-conditions">https://www.sgs.com/en/terms-and-conditions</a>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this Certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGSSG

Notified Body : NB2906

Consumer and Retail, a division of SGS North America Inc. 620 Old Peachtree Road, Ste. 100, Suwanee, GA 30024, USA t +1 770 570 1800 f +1 770 277 1240 www.sgs.com

# EU TYPE EXAMINATION CERTIFICATE

Radio Equipment Directive 2014/53/EU



#### **ESSENTIAL REQUIREMENTS**

Article 3.1(a) - Health

Article 3.1(a) - Safety

Article 3.1(b) - EMC

Article 3.2 - Spectrum

Article 3.3g

Article 3.4

#### **APPLIED STANDARD(S)**

EN IEC 62311:2020 EN IEC 62368-1:2020+A11:2020 EN 55032:2015+A11:2020+A1:2020, EN 55035:2017+A11:2020 EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4 EN 301 489-19 V2.2.1. EN 301 489-52 V1.2.1 EN 300 328 V2.2.2. EN 303 413 V1.2.1 EN 301 908-1 V15.2.1, EN 301 908-13 V13.2.1 Draft EN 301 908-25 V15.1.1\_0.0.18 N/A N/A

### PRODUCT TECHNICAL DETAILS

HW-0 HW Version: SW Version: V1.00(ACEH.0)b10

EQUIPMENT DETAIL

20dpm
ZUUDIII
.03dBm
.72dBm
.44dBm
.32dBm
.51dBm
.24dBm
.01dBm
eceiver)

Notes Integrated Antenna, 3dBi gain 1)

Integrated Antenna, 6.03dBi gain 2)

3) Integrated Antenna, 5.72dBi gain Integrated Antenna, 5.44dBi gain 4)

Integrated Antenna, 3.32dBi gain 5) Integrated Antenna, 11.51dBi (Ant0); 10.9dBi (Ant3) 6)

Integrated Antenna 7) 8)

DFT-s-OFDM PI/2BPSK, DFT-s-OFDM QPSK, DFT-s-OFDM 16 QAM, DFT-s-OFDM 64 QAM, DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, CP-OFDM 256 QAM

## CONDITIONS/RESTRICTIONS

The following conditions and restrictions apply:

- LTE Band 28 is only allowed to operate between 703 MHz to 736 MHz for the transmitter and between 758 MHz to 791 1) MHz for the receiver.
- 5G NR band n78 is only allowed to operate between 3400MHz-3800MHz. 2)
- 5G NR band n257 is only allowed to operate between 26 500 MHz to 27 500 MHz. 3)
- 4) The device supports UL CA\_1C, UL CA\_3C, UL CA\_7C, UL CA\_1A-28A, UL CA\_1A-3A, UL CA\_1A-7A, UL CA\_3A-7A. UL CA\_3A-28A, UL CA\_7A-28A
- The device supports UL MIMO for n78. 5)

Page 2 of 2



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