

# EU TYPE EXAMINATION CERTIFICATE

Radio Equipment Directive 2014/53/EU

# SGS

**Certificate Number**

Project Number

NB2906.2023.000083

SZ-CERT230400842-01

**Product Model Number(s)**

**Brand/Trade Name**

Product Type

NB1620A

NexBlue

NexBlue Edge

**Manufacturer**

Address

NexBlue SRL

RUE DE LONDRES 17, 1050 IXELLES,  
BRUXELLES, BELGIUM

## Essential Requirements

## Results

Article 3.1(a) - Health

Conforms

Article 3.1(a) - Safety

Conforms

Article 3.1(b) - EMC

Conforms

Article 3.2 - Radio Spectrum

Conforms

## Technical Documentation:

SZ-CERT230400842-01

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:

Certificate Issue Date

April 21, 2023

Sen Lv  
Certifier

# NB2906



**Notified Body : NB2906**

This certificate is issued by the company under its General Conditions for Certification Services accessible at <https://www.sgs.com/en/terms-and-conditions>. 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.

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# EU TYPE EXAMINATION CERTIFICATE

## Radio Equipment Directive 2014/53/EU



### ESSENTIAL REQUIREMENTS

Article 3.1(a) - Health	EN IEC 62311: 2020
Article 3.1(a) - Safety	EN IEC 61851-1: 2019
Article 3.1(b) - EMC	EN IEC 61851-21-2:2021, EN 301 489-1 V2.2.3, EN 301 489-3 V2.3.2, EN 301 489-17 V3.2.4, EN 301 489-52 V1.2.1
Article 3.2 - Spectrum	EN 300 328 V2.2.2, EN 300 220-1 V3.1.1, EN 300 220-2 V3.2.1, EN 300 330 V2.1.1, EN 301 511 V12.5.1, EN 301 908-1 V15.1.1, EN 301 908-13 V13.2.1

### PRODUCT TECHNICAL DETAILS

Model Number(s)	NB1620A
HW Version:	NB1620A_POWER_V6.0 & NB1620A_TX_V5.0
SW Version:	1.0

### EQUIPMENT DETAIL

Radio	Frequency range (MHz)	Antenna Type	Modulation	Transmit Power
1	2402-2480	Note 1	GFSK	10dBm
2	2412-2472	Note 1	DSSS, OFDM	19.9dBm
3	13.56-13.56	Note 2	ASK	-16.36dBuA/m@10m
4	868-868	Note 3	FSK	-1.63dBm
5	880-915(TX), 925-960(RX)	Note 4	GMSK,8PSK	33dBm
6	1710-1785(TX),1805-1880(RX)	Note 4	GMSK,8PSK	30dBm
7	1920-1980(TX), 2110-2170(RX)	Note 5	QPSK,16QAM for Cat M1 BPSK, QPSK for Cat NB2	21dBm
8	1710-1785(TX),1805-1880(RX)	Note 5	QPSK,16QAM for Cat M1 BPSK, QPSK for Cat NB2	21dBm
9	880-915(TX), 925-960(RX)	Note 5	QPSK,16QAM for Cat M1 BPSK, QPSK for Cat NB2	21dBm
10	832-862(TX), 791-821(RX)	Note 5	QPSK,16QAM for Cat M1 BPSK, QPSK for Cat NB2	21dBm
11	703-736(TX), 758-791(RX)	Note 5	QPSK,16QAM for Cat M1 BPSK, QPSK for Cat NB2	21dBm

- Notes
- 1) PCB Antenna, 3.26dBi
  - 2) Loop Antenna, 0dBi
  - 3) Ceramic Antenna, 0dBi
  - 4) Ceramic Antenna, 4dBi
  - 5) PIFA Antenna, 4dBi

### CONDITIONS/RESTRICTIONS

The following conditions and restrictions apply:

- 1) LTE band 28 is only allowed to operate at 703-736MHz for the Tx, and 758-791MHz for the Rx for EU market.