

EU TYPE EXAMINATION CERTIFICATE

Radio Equipment Directive 2014/53/EU



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



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ESSENTIAL REQUIREMENTS

APPLIED STANDARD(S)

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.