

EU Declaration of Conformity

Product **OBS419 stand-alone Bluetooth BR/EDR modules**

UBX-15015195

Date 7 April 2021

To whom it may concern,

Hereby, u-blox AG declares under its sole responsibility that the following product – OBS419 stand-alone Bluetooth BR/EDR modules – comply with the essential requirements and other relevant provisions of Radio Equipment Directive (RED) 2014/53/EU and with the Directive 2011/65/EU (EU RoHS 2) and its amendment Directive (EU) 2015/863 (EU RoHS 3).

Technology	Product name	Hardware release	Software release
Bluetooth	OBS419i-04	1.11 or later	4.3.10 or later
	OBS419j-04		
	OBS419x-04		
	OBS419i-06		
	OBS419x-06		
	OBS419i-A1		

Essential requirements

Radio Equipment Directive 2014/53/EU

Standards

Safety & Health

(Article 3.1a)

EN 62368-1:2014+A11:2017

EN 62479:2010

EMC

(Article 3.1b)

EN 301 489-1 V2.1.1

EN 301 489-17 V3.1.1

IEC 60601-1-2:2007 (Medical Electrical Equipment)

Radio Spectrum Efficiency

(Article 3.2)

EN 300 328 V2.2.2

Essential requirements

Directive 2011/65/EU (EU RoHS 2)

Directive 2015/863 (EU RoHS 3)


Standards

Prevention

(Article 4.1)

EN 50581:2012

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Name	Herbert Blaser
Position	Senior Director/Product Center Short Range Radio
Date of issue	7 April 2021
Signature	

List of antennas

Antenna name	Manufacturer	Comment	Gain
FR05-S1-N-0-102	Fractus	Onboard SMD antenna OBS419i	+1
FR05-S1-N-0-104	Fractus	Onboard SMD antenna OBS419j	0
WCR-2400 -IP04 -IP10 -SMRP	Centurion	Monopole, 10 cm cable/U.FL 25 cm cable/U.FL RSMA	+2
PSTG0-2400HS - SMA - RSMA	Mobile Mark	Monopole, SMA RSMA	+0
FlatWhip-2400	ProAnt	Monopole, RSMA	+3
InSide-2400	ProAnt	Patch, 10 cm cable/U.FL	+3
Outside-2400	ProAnt	Patch, 7 cm cable/U.FL 10 cm cable/U.FL 25 cm cable/U.FL	+3
Ex-IT 2400 - SMA 28-001 - RP-SMA 28-001 - MHF 28-001	ProAnt	Monopole, SMA RSMA 10 cm cable/U.FL	+3
Ex-IT 2400 - MHF 70-001	ProAnt	Monopole, 10 cm cable/U.FL	+3
Ex-IT 2400 - SMA 70-002 - RP-SMA 70-002	ProAnt	Monopole, SMA RSMA	+3
R380.500.125 R380.500.127 R380.500.139 R380.500.124	Pulse	RSMA SMA RSMA+SEAL SMA+SEAL	+2
NanoBlue-IP04	Laird Technologies	Patch, 10 cm cable/U.FL	+2
PlanTec m70cxr - SMA	REEL	Patch, 20/100/300 cm cable SMA	+1

Antenna name	Manufacturer	Comment	Gain
- RP-SMA		RSMA	
IHF-242	Joymax	Monopole, 150 cm cable MCX	+2