

EU Declaration of Conformity

Product **OBS421 stand-alone dual-mode Bluetooth modules**
 UBX-15014547
Date 7 April 2021

To whom it may concern,


Hereby, u-blox AG declares under its sole responsibility that the following product – OBS421 stand-alone dual-mode Bluetooth 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 BR/EDR and low energy	OBS421i-24	1.11 or later	5.2.0 or later
	OBS421i-24-01B		
	OBS421x-24		
	OBS421x-24-01B		
	OBS421i-26		
	OBS421i-26-01B		
	OBS421x-26		
	OBS421i-i4		
	OBS421i-i4-01B		
	OBS421x-i4		
	OBS421x-i4-01B		
	OBS421i-i6		
	OBS421x-C0		
OBS421x-i4-01B			

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

Authorized representative within the European Union:
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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	+1
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 - RP-SMA	REEL	Patch, 20/100/300 cm cable SMA RSMA	+1

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