

EU DECLARATION OF CONFORMITY

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 Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU.

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		
	OBS419j-06		
	OBS419x-06		

Essential Requirements	
Radio Equipment Directive 2014/53/EU	Standards
Safety & Health (Article 3.1a)	IEC 60950-1:2005 + A1:2009 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + AC:2011 + A2:2013 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 V2.1.1
Essential Requirements	
RoHS Directive 2011/65/EU	Standards
Prevention (Article 4.1)	EN 50581:2012

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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, 10cm cable/U.FL 25cm 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, 10cm 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, 10cm 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
IHF-242	Joymax	Monopole, 150 cm cable MCX	+2