

EU Declaration of Conformity

Product **LILY-W1 Host-based Wi-Fi modules**
UBX-16015108
Date 29 September 2021

To whom it may concern,

Hereby, u-blox AG declares under its sole responsibility that the following product – LILY-W1 host-based Wi-Fi 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
Wi-Fi	LILY-W131	03 or later	All versions
	LILY-W132		
	LILY-W133	02 or later	

Essential requirements Radio Equipment Directive 2014/53/EU	Standards
Safety & Health (Article 3.1a)	EN 62368-1:2014+A11:2017 IEC 62311:2007 / EN 62311:2008
EMC (Article 3.1b)	EN 301 489-1 V2.1.1 EN 301 489-17 V3.1.1
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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Position	Senior Director/Product Center Short Range Radio
Date of issue	29 September 2021
Signature	

List of antennas

Antenna name	Manufacturer	Comment	Gain
u-blox internal antenna	ProAnt	SMD PIFA antenna on LILY-W132 and LILY-W133	+2
FlatWhip-2400	ProAnt	Monopole, RSMA	+3
InSide-2400	ProAnt	Patch, 10 cm cable/U.FL	+3
InSide-WLAN	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 WLAN - SMA - RP-SMA - MHF	ProAnt	Monopole, dual band 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
InSide-WLAN Square	ProAnt	Patch, dual band 10 cm cable/U.FL	+3
ANT-2.4-CW-RH -RPS -SMA	Linx	Monopole, SMA RSMA	-1