

## EU Declaration of Conformity

**Product** **EMMY-W1 Host-based multiradio modules**  
 UBX-16007139

**Date** 10 February 2021

To whom it may concern,


Hereby, u-blox AG declares under its sole responsibility that the following product – EMMY-W1 Host-based multiradio 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, Bluetooth, and NFC	EMMY-W161	03 or later	15.68.7.p62-15.29.7.p62 or later 15.68.7.p64-15.28.7.p64 or later
	EMMY-W161-A		
	EMMY-W163		
	EMMY-W163-A		
	EMMY-W165		
	EMMY-W165-A		

Essential requirements Radio Equipment Directive 2014/53/EU	Standards
<b>Safety &amp; Health</b> (Article 3.1a)	EN 62368-1 :2014+A11 :2017 EN 62311:2008 (Wi-Fi) EN 62479:2010 (NFC, Bluetooth + Bluetooth Low Energy)
<b>EMC</b> (Article 3.1b)	EN 301 489-1 V2.1.1 EN 301 489-3 V2.1.0 EN 301 489-17 V3.1.1
<b>Radio Spectrum Efficiency</b> (Article 3.2)	EN 300 328 V2.2.2 EN 301 893 V2.1.1 EN 300 440 V2.1.1

Essential requirements Directive 2011/65/EU (EU RoHS 2) Directive 2015/863 (EU RoHS 3)	Standards
<b>Prevention</b> (Article 4.1)	EN 50581:2012

Authorized representative within the European Union:  
u-blox AG, Zürcherstrasse 68, 8800 Thalwil, Switzerland

Name	Herbert Blaser
Position	Senior Director/Product Center Short Range Radio
Date of issue	10 February 2021
Signature	

### List of antennas

Antenna name	Manufacturer	Comment	Gain	
			2.4 GHz	5 GHz
A10194	Antenova	Dual-band SMD antenna	+1.8	+4.1
SR42W001	Antenova	Dual-band SMD antenna	+2	+3
ANT-DB1-RAF-RPS	Linx	Dual-band dipole antenna	+2.5	+4.6
GW.40.2153	Taoglas	Dual-band dipole antenna	+3.74	+2.5
GW.59.3153	Taoglas	Dual-band dipole antenna	+2.37	+2.93
RFDPA870900SBLB8G1	Walsin	Dual-band dipole antenna	+2	+3
88395	Delock	Dual-band dipole antenna	+1.5	+2.1
2450AT45A100	Johanson Technology	SMD chip antenna, designated for Bluetooth operation on EMMY-W163(-A)	+3.0	-
GW.26.0151	Taoglas	Monopole antenna, designated for Bluetooth operation on EMMY-W163(-A)	+1.8	-
ANT-2.4-CW-RCT-RP	Linx	Dipole antenna, designated for Bluetooth operation on EMMY-W163(-A)	+2.2	-
ANT-2.4-CW-RH	Linx	Monopole antenna, designated for Bluetooth operation on EMMY-W163(-A)	-0.9	-