

EU declaration of conformity

Product **MAYA-W2 Host-based multiradio modules**
 UBX-23009117 C1-Public
Date 29 March 2024

To whom it may concern,

Hereby, u-blox AG declares under its sole responsibility that the following product – MAYA-W2 Host-based multiradio modules – complies 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).

The conformity has been reviewed by the EU Notified Body Eurofins Product Service GmbH - (Identification Number 0681) Storkower Straße 38c, 15526 Reichenwalde, Germany - issuing the EU-Type Examination Certificate, registration number: GOM-2302-1903-V01.

Technology	Product name	Hardware release	Software release
Wi-Fi 6 (802.11ax) 2.4Ghz & 5GHz BT & BLE 5.3 functionality	MAYA-W260-00B	03 or later	
	MAYA-W261-00B	03 or later	
	MAYA-W266-00B	03 or later	1.0.0.39.1- 18.80.1.p154.38
Wi-Fi 6 (802.11ax) 2.4Ghz & 5GHz BT & BLE 5.3 functionality IEEE 802.15.4	MAYA-W271-00B	03 or later	
	MAYA-W276-00B	03 or later	

Essential requirements

Radio Equipment Directive 2014/53/EU

Standards

Safety & Health

(Article 3.1a)

EN 62368-1: 2014 +AC :2015

EN 62311 : 2008 (Wi-Fi)

EMC

(Article 3.1b)

EN 301 489-1 V2.2.3

EN 301 489-3 V.2.3.2

Draft EN 301 489-17 V3.2.5

Radio Spectrum Efficiency

(Article 3.2)

EN 300 328 V2.2.2

EN 301 893 V2.1.1

EN 300 440 V2.1.1

Essential requirements

RoHS Directive 2011/65/EU

Directive 2015/863 (EU RoHS 3)

Standards

Prevention

(Article 4.1)


EN IEC 63000:2018

Authorized representative within the European Union:

u-blox AG, Zürcherstrasse 68, 8800 Thalwil, Switzerland

Signed for and on behalf of u-blox AG:

Name Herbert Blaser

Position	Senior Director/Product Center Short Range Radio
Date of issue	29 March 2024
Signature	

List of antennas

Antenna name	Manufacturer	Comment	Gain (dBi)	
			2.4 GHz	5 GHz
ANT-DB1-RAF-SMA	Linx	Dipole antenna	+4.1	+5.1 dBi
u-blox PCB trace antenna	Abracon	PCB Trace antenna	Detailed in table below.	

Transmission	Measured TRP	Measured peak gain
Channel 1, 2.412 GHz	-7.99 dBm	-5.85 dBi
Channel 6, 2.437 GHz	-6.75 dBm	-4.62 dBi
Channel 13, 2.472 GHz	-6.64 dBm	-4.13 dBi
Channel 36, 5.180 GHz	-4.48 dBm	-2.77 dBi
Channel 100, 5.500 GHz	-2.53 dBm	-1.20 dBi
Channel 159, 5.795 GHz	-5.96 dBm	-3.83 dBi
Channel 177, 5.885 GHz	-8.76 dBm	-7.04 dBi

Table with antenna gain for u-blox PCB trace antenna.