

EU DECLARATION OF CONFORMITY

To whom it may concern:

Hereby, u-blox AG declares under its sole responsibility that the following product – ELLA-W16 Series Host-based multiradio 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	Driver version
Wi-Fi and Bluetooth®	ELLA-W161	04 or later	
	ELLA-W161-A	03 or later	14.44.35.p200 or later 14.66.35.p21 or later
	ELLA-W163	04 or later	14.68.35.p46 or later
	ELLA-W163-A	03 or later	

Essential Requirement

Radio Equipment Directive 2014/53/EU Standards

Safety & Health

(Article 3.1a)

IEC 60950-1:2005 (2nd Edition) + A1:2009 + A2:2013
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + AC:2011 + A2:2013
EN 62311:2008 (Wi-Fi)
EN 62479:2010 (Bluetooth)

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 V2.1.1
EN 301 893 V2.1.1
EN 300 440 V2.1.1

Essential Requirement

RoHS Directive 2011/65/EU

Standards

Prevention

(Article 4.1)

EN 50581:2012

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List of antennas

Antenna name	Manufacturer	Comment	Gain	
			2.4 GHz	5 GHz
2450AT45A100	Johanson Technology	SMD chip antenna	+3.0	-
ANT-2.4-CW-RCT-RP	Linx	Dipole antenna	+2.2	-
A10194	Antenova	Dual-band SMD antenna	+1.8	+4.1
ANT-DB1-RAF-RPS	Linx	Dual-band dipole antenna	+2.5	+4.6