

EU DECLARATION OF CONFORMITY

To whom it may concern:

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

Essential Requirement	Standards
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Radio Equipment Directive 2014/53/EU	Standards
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Safety & Health	IEC 60950-1:2005 (2nd Edition) + A1:2009 + A2:2013
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(Article 3.1a)	EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + AC:2011 + A2:2013
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	EN 62311:2008 (Wi-Fi)
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	EN 62479:2010 (NFC, Bluetooth + Bluetooth Low Energy)
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EMC	EN 301 489-1 V2.1.1
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(Article 3.1b)	EN 301 489-3 V2.1.0
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	EN 301 489-17 V3.1.1
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Radio Spectrum Efficiency	EN 300 328 V2.1.1
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(Article 3.2)	EN 301 893 V2.1.1
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	EN 300 440 V2.1.1
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	EN 330 330 V2.1.1
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Essential Requirements	Standards
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RoHS Directive 2011/65/EU	Standards
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Prevention	EN 50581:2012
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(Article 4.1)	
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Position:	Director, u-blox AG
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Signature:



List of antennas

Antenna name	Manufacturer	Comment	Gain	
			2.4 GHz	5 GHz
A10194	Antenova	Dual-band SMD antenna	+1.8	+4.1
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	-