

Declaration of Conformity for CE Mark

Date:	Revised September 21, 2021
Manufacturer:	MicroRidge Systems, Inc. 56888 Enterprise Drive PO Box 3249 Sunriver, OR 97707-0249 USA 541.593.1656
Products:	MobileCollect: Mobile Modules (transmitters): Mini Mobile Module Command Mobile Module RS-232 Mobile Module Remotes (transmitters): RS-232 Remote Digital Remote Bases (receivers): USB Base RS-232/USB Base Wedge/USB Base USB MicroBase Gage & Communication Cables: All cables supplied with the wireless products
Equipment Type:	Radio Communication Equipment, Short Range Device
Radio Module:	MicroRidge MICRO-RM2.4
RF Output Power:	2.24 mw (3.5 dBm)
Tx Frequency Range:	2.4000 to 2.4835 GHz
Rx Frequency Range:	2.400 to 2.4835 GHz
Typical Tx Duty Cycle:	Less than 1%
ZigBee Standard:	IEEE 802.15.4
Radio Approvals:	MICRO-RM2.4 Radio Module User's Guide, Chapter 9. United States: 2ACNQR2 Canada: 12298A-RM2 European Union (ETSI)

European Union:

The MICRO-RM2.4 radio module has been certified for use in European countries. The following testing has been completed.

Test report for ETSI EN 300 328 V1.7.1 (2006-10):

- Date of Issue: October 27, 2014
- Maximum Transmit Power
- Maximum EIRP Spectral Density
- Frequency Range
- Radiated Emissions

Test Report for ETSI EN 300 328 V2.1.1 (2016-11):

- Date of Issue: May 13, 2019
- Receiver Blocking
- Tested using wide band modulation techniques operating in the 2.4 GHz ISM band using Harmonized Standard covering essential requirements under article 3.3 of Radio Equipment Directive RED 2014/53/EU.

Test standard ETSI EN 301 489-1 V1.9.2 (2011-09) and ETSI EN 301 489-17 V2.2.1 (2012-09):

- Date of Issue: October 21, 2014
- Radiated Emissions
- Electro-Static Discharge
- Radiated RF Susceptibility

Test Report for EN 301 489-17 V3.1.1 (2017-02):

- Date of Issue: May 9, 2019
- RF Immunity 2700 to 6000 MHz

RoHS2/RoHS3 Directive

All of the products listed above are certified by the manufacturer (MicroRidge Systems, Inc.) that they are in compliance with the European Union Directives 2011/65/EU (RoHS 2) and 2015/863/EU (RoHS 3) on the restricted use of certain hazardous substances in electrical and electronic equipment. This compliance applies to the following substances in the concentrations listed:

- Lead - (0.1 % by mass or 1000 PPM)
- Mercury - (0.1 % by mass or 1000 PPM)
- Cadmium - (0.01 % by mass or 100 PPM)
- Hexavalent chromium - (0.1 % by mass or 1000 PPM)
- Polybrominated biphenyls (PBB) - (0.1 % by mass or 1000 PPM)
- Polybrominated diphenyl ethers (PBDE) - (0.1 % by mass or 1000 PPM)
- Bis(2-ethylhexyl) phthalate (DEHP) - (0.1 % by mass or 1000 PPM)
- Butyl benzyl phthalate (BBP) - (0.1 % by mass or 1000 PPM)
- Dibutyl phthalate (DBP) - (0.1 % by mass or 1000 PPM)
- Diisobutyl phthalate (DIBP) - (0.1 % by mass or 1000 PPM)

REACH

All of these Products are in compliance with REACH (Regulation (EC) No. 1907/2006) and do not contain any of the currently listed SVHC (substance of very high concern) in concentrations of 0.1% or above.

Reference Documents:

Reference documents and test results are available on the MicroRidge web site at www.microridge.com/wl_micro-rm24.htm.



Riley Tronson
President & Director of Product Development