



EC-Declaration of Conformity

We, the manufacturer:

Microchip Technology Inc., 2355 W Chandler Blvd, Chandler, AZ 85224, USA

Declare under our responsibility that the radio product:

Model: WLR089U0, WLR089UC
 Product Name: Low Power LoRa® Sub-1GHz Module
 Trade/Brand Name: Microchip Technology Inc.

is (are) in conformity with the essential requirements and other relevant requirements of the RED 2014/53/EU. The product is in conformity with the following standards and/or other normative documents:

| Certification | Standards | Article | Laboratory | Report Number | Date |
|---------------|--------------------------|---------|-----------------------------|---------------|-------------|
| Safety | EN 62368-1:2014+A11:2017 | 3.1(a) | TUV Rheinland, Taiwan | 60392624 001 | 14 Aug 2020 |
| Health | EN 62479:2010 | | | 60390719 001 | 4 Aug 2020 |
| EMC | EN 301 489-1 V2.2.3 | 3.1(b) | | 60383398 001 | 14 Aug 2020 |
| | EN 301 489-3 V2.1.1 | | | | |
| Radio | EN 300 220-1 V3.1.1 | 3.2 | | 60390719 001 | 4 Aug 2020 |
| | EN 300 220-2 V3.1.1 | | | | |

The following accessories and components, including software, allow the object of the declaration described above to operate as intended and in conformity with this EU declaration of conformity:

| | |
|-----------------------------|--------------------------------------|
| Hardware version/ Batch No. | Rev A or later |
| Firmware Version | SAMR34 Xpro MLS_SDK_1_0_P_0 or later |

Antennas:

| S/no. | Part Number | Vendor | Antenna Gain @ 868MHz ISM band | Antenna type |
|-------|----------------------|-----------------------------------|--------------------------------|-----------------------------------|
| 1 | RFA-S1-C55H1-150D034 | ALEAD technology | 2dBi | half-wave dipole |
| 2 | RFA-ZW-C55-B70-D034 | ALEAD technology | 2dBi | half-wave dipole |
| 3 | AEACAC053010-S868 | Abrakon | 2dBi | Compact, low profile whip antenna |
| 4 | TH-89F-150mm-IPEX | BJTEK NAVIGATION, INC. | 1.5dBi | half-wave dipole |
| 5 | ANT-868-PW-QW-UFL | Linx | 1.6dBi | ¼-wave monopole antenna |
| 6 | ANT-916-PW-QW-UFL | Linx | 1.8dBi | ¼-wave monopole antenna |
| 7 | GWF-152XMPXX-H015 | Joymax Electronics Co., Ltd | 2dBi | half-wave dipole |
| 8 | GWF-152XRSXX-H015 | Joymax Electronics Co., Ltd | 2dBi | half-wave dipole |
| 9 | 6610C03061 | Kinsun | 2dBi | half-wave dipole |
| 10 | 6610-868MHz | Kinsun | 2dBi | half-wave dipole |
| 11 | DL868&915M-R-H76 | Dolin Electronics Co., Ltd | 2dBi | ¼-wave monopole antenna |
| 12 | DL868&915M-F-01 | Dolin Electronics Co., Ltd | 2dBi | ¼-wave monopole antenna |
| 13 | RFDPA131015IMBB301 | PSA Walsin technology Corporation | 0.9dBi | dipole antenna |
| 14 | RFA-ZW-C55-B-RP-D034 | ALEAD technology | 2dBi | half-wave dipole |

The module(s) and its homogenous materials comply with EU Directives: 2002/95/EC (27 January 2003) and Directive 2011/65/EU (08 June 2011) and 2015/863/EU (31 March 2015) with RoHS exemption 7a, and 7(c)-i.

Note: This declaration becomes invalid if technical or operational modifications are introduced without the manufacturer's consent.



Steve Caldwell
Vice President, Wireless Solutions Group

14 Aug 2020

Date