



USA: TCB, ISED: FCB  
 Japan: RCB, OFCA: FCB, IMDA: CAB  
 Notify Body RED Directive 2014/53/EU  
 Notify Body EMC Directive 2014/30/EU

**DIRECTIVE 2014/53/EU  
 EU TYPE EXAMINATION CERTIFICATE  
 NOTIFIED BODY: 1313**

**Certificate No.:** B2111234  
**Date of Issue:** 2021-12-07  
**Manufacturer:** Radioworks Microelectronics PTY LTD T/A Flairmesh Technologies  
 Suite 2 Level 15, 350 Collins Street, Melbourne VIC 3000, Australia  
**Trade Name:** N/A  
**Product Designation:** FMB100  
**Product Description:** Bluetooth Module

Essential Requirements		Examined Documentation	Results
RED Article 3.1(a)	Safety	Technical documentation & Test report	Conform
RED Article 3.1(a)	Health	Technical documentation & Test report	Conform
RED Article 3.1(b)	EMC	Technical documentation & Test report	Conform
RED Article 3.2	Radio	Technical documentation & Test report	Conform
RED Article 3.3	Delegated Acts	Technical documentation & Test report	Not Applicable

This EU-Type Examination Certificate is issued in according with Annex III, Module B of Council Directive 2014/53/EU of 16 April, 2014 and is only valid in conjunction with the attached Appendixes.

The scope of EU Type Examination only relates to the submitted documentation.

Marking: The product shall be marked with the CE marking as required in the Council Directive 2014/53/EU

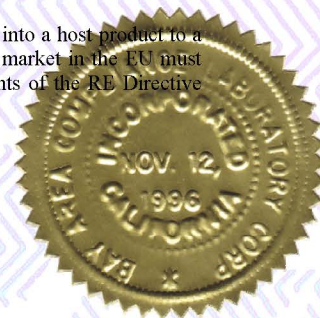
**Number of Appendixes to this certificate: 1**

Note: This radio module is for professional installation only. When installing this radio module permanently into a host product to a create new radio equipment device; the manufacturer responsible for placing the final radio product on the market in the EU must assess if the combination of this radio module and the host product complies with the essential requirements of the RE Directive 2014/53/EU.



Authorized by: *Jimmy Xiao*

Jimmy Xiao  
 Certifier



CI021-D

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## APPENDIX A OF TYPE EXAMINATION CERTIFICATE

### Product Characteristics

<b>TX Frequency:</b>	Bluetooth/BLE: 2402-2480 MHz
<b>RX Frequency:</b>	Bluetooth/BLE: 2402-2480 MHz
<b>ITU Designation:</b>	F1D
<b>Output Power:</b>	Bluetooth: 12.67 dBm (GFSK), 11.37 dBm ( $\pi/4$ -DQPSK), 11.39 dBm (8DPSK) BLE: 5.97 dBm
<b>Modulation:</b>	Bluetooth: GFSK, $\pi/4$ -DQPSK, 8DPSK BLE: GFSK
<b>Antenna:</b>	PCB Antenna, 2.7 dBi

### Conformity Details

Requirement	Standard, Test Report Number, Date & Laboratory
<b>Radio</b>	EN 300 328 V2.2.2 (2019-07)
<b>Spectrum</b>	Test Report RSHA210902002-01B/-01C issued on 2021-11-08 by BACL, Kunshan
<b>EMC</b>	EN 301 489-1 V2.2.3 (2019-11), EN 301 489-17 V3.2.4 (2020-09) Test Report RSHA210902002-02 issued on 2021-11-08 by BACL, Kunshan
<b>Safety</b>	EN 62368-1:2014+A11:2017 Test Report RSHA210902002-SF-01 issued on 2021-11-23 by BACL, Kunshan
<b>Health</b>	EN 62479:2010, EN 50663:2017 Test Report RSHA210902002-01D issued on 2021-11-08 by BACL, Kunshan

\*\*\*\*\* End of Appendix \*\*\*\*\*

