



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.: B2104134

Date of Issue: 2021-04-28

Manufacturer: M5Stack Technology Co., Ltd
 Room 2001, Floor 20, Tower 3, Sunmax Technology Plaza,
 Keyuan Road, Nanshan District, Shenzhen, Guangdong, China



Trade Name:

Product

Designation: M5Tough, M5Tough-L

Product

Description: Tough with Wi-Fi and Bluetooth Function

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



Authorized by:

Jimmy Xiao

Jimmy Xiao
 Certifier



CI021-D

APPENDIX A OF TYPE EXAMINATION CERTIFICATE

Product Characteristics

TX Frequency:	Wi-Fi: 2412-2472 MHz, 2422-2462 MHz Bluetooth/BLE: 2402-2480 MHz
RX Frequency:	Wi-Fi: 2412-2472 MHz/2422-2462 MHz Bluetooth/BLE: 2402-2480 MHz
ITU Designation:	F1D, G1D, D1D
Output Power:	Wi-Fi: 15.77 dBm (802.11b), 13.18 dBm (802.11g) 13.05 dBm (802.11n20), 13.03 dBm (802.11n40) Bluetooth: 0.97 dBm (GFSK), 2.19 dBm ($\pi/4$ -DQPSK), 4.40 dBm (8DPSK) BLE: 3.57 dBm
Modulation:	Wi-Fi: DSSS, OFDM Bluetooth: GFSK, $\pi/4$ -DQPSK, 8DPSK BLE: GFSK
Antenna:	PIFA Antenna, 2.0 dBi

Conformity Details

Requirement	Standard, Test Report Number, Date & Laboratory
Radio	EN 300 328 V2.2.2 (2019-07) Test Report RSHD210126001-01B/-01C/-01D issued on 2021-03-11 by BACL, Kunshan
Spectrum	
EMC	EN 301 489-1 V2.2.3 (2019-11), EN 301 489-17 V3.2.4 (2020-09) Test Report RSHD210126001-02 issued on 2021-02-18 by BACL, Kunshan
Safety	EN 62368-1:2014+A11:2017 Test Report RSHD210126001-SF issued on 2021-02-20 by BACL, Kunshan
Health	EN IEC 62311:2020 Test Report RSHD210126001-01E issued on 2021-03-11 by BACL, Kunshan

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

