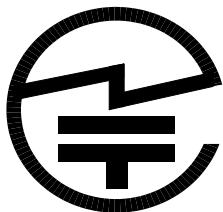


## Construction Type Certification

Registration No.	CSRT170172
Certificate Holder	Micro:bit Educational Foundation 12 New Fetter Lane, London EC4A 1JP, United Kingdom Of Great Britain And Northern Ireland
Product Category	Article 2, Paragraph 1, Item 19
Model Type or Name	V1.3B
Type of Emission, Frequency and Antenna Power	F1D 2402MHz - 2480MHz (2MHz separation, 40 channels) 3.0 mW
Manufacturer	ShenZhen Embest Technology Co.,Ltd Tower B 4/F, ShanShui Building, NanShan Yungu Innovation Industry Park, LiuXian Ave. No. 1183, TaoYuan St., NanShan District, ShenZhen
Remarks	The scope of evaluation relates to the submitted documents and product only. It is only valid in conjunction with the Annex.

When the product is placed on the Japanese market, the Specified Radio Equipment marking as shown on the right must be attached on visible part of the product.




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018-170172

Witnesses that the certification is on Construction Type Certification under Article 38-24 of the Radio Law.

Date of Certificate  
2017-06-30



Certification Examiner : Takuji Nakano  
/Certificate Technical Support Center Co., Ltd.

**Technical Construction Form (WW) Bluetooth**

1. Product Description	BBC micro:bit	
2. Model Number	V1.3B	
3. IEEE Standard No.	Bluetooth (802.15.1) (LE)	
4. Transmitter		
(1) Rated Output	3.0 mW (LE)	
(2) Type of Emission and Frequency	F1D 2402MHz - 2480MHz (2MHz separation, 40 channels) (LE)	
(3) Oscillation	Synthesizer method using Crystal Oscillator with 16MHz	
(4) Type of Modulation	GFSK	
(5) Spectrum Spread Method etc.	Other Modulation	
(6) RF Module/Chip	nRF51822	
5. Antenna		
(1) Type or Structure	PCB Antenna	
(2) Antenna Gain	0 dBi	
6. Power Source	DC3.0V (2 × 1.5V AAA Size Batteries) DC5.0V (USB port)	
7. Auxiliary Equipment	- Interference prevention function equipment (The function specified in Article 9-4 of the Ordinance Regulating Radio Equipment)	
8. Test Report	SZEM170500428601 (Date of Issue: 2017.05.19) (LE)	
9. Test Laboratory	SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch	
10. Review Documents	Block Diagram Circuit Diagram BOM List Antenna Specification	External Photographs (in the Test Report) Internal Photographs (in the Test Report) User Manual Certificate Label Design and Location PCB Layout
11. Confirmation Method of Certification by Type	ISO 9001 Certificate ( ShenZhen Embest Technology Co.,Ltd ) QC Assignment Form	
12. Reference Information		