

CERTIFICATE RED-1168/A1

Our ref. HEL-CERT180300145-03

EU TYPE EXAMINATION CERTIFICATE RADIO EQUIPMENT DIRECTIVE 2014/53/EU

Product	Bluetooth 5.0 RF Module
Type	BGM13P22A, BGM13P22E, BGM13P32A, BGM13P32E, BGX13P22GA
Trade mark	 SILICON LABS
Certificate Holder	Silicon Laboratories Finland Oy Alberga Business Park, Bertel Jungin aukio 3, 02600, Espoo, Finland
Manufacturer	Same as applicant
Technical information	See appendix
Compliance with the requirements on the basis of type examination	Product fulfils the requirements of the standard(s) EN 300 328 V2.1.1, EN 301 489-1 V2.1.1, EN 301 489-17 V3.1.1, EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013, EN 62479:2010 and the essential requirements set out in Article 3.1a (health & safety), Article 3.1b (EMC) and Article 3.2 (radio spectrum use) of the Radio Equipment directive 2014/53/EU.
Validity	This certificate is valid until 2023-11-01 unless the standard in question has been amended or superseded.
Date of issue	2018-11-01
Signature	 Jari Merikari Technical Manager

SGS Fimko Ltd is a Notified Body (0598) according to the RE Directive 2014/53/EU.
Authentication of this Certificate can be confirmed at: sgs.fimko@sgs.com

CE
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This certificate has 1 appendix



This certificate is issued by the company under its General Conditions for Certification Services accessible at <http://www.sgs.fi/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Manufacturing sites

Silicon Laboratories Finland Oy
 Alberga Business Park, Bertel Jungin aukio 3, 02600, Espoo, Finland

Test reports

Testing laboratory	Report number	Date
SGS Fimko Ltd. (Finland)	290042-1-1	23 OCT 2017
SGS Fimko Ltd. (Finland)	290042-1-2	19 MAR 2018
SGS Fimko Ltd. (Finland)	289936-3	9 NOV 2017
SGS Fimko Ltd. (Finland)	289936-3 Amd.1	4 SEP 2018
SGS Fimko Ltd. (Finland)	293013-2	30 OCT 2018
SGS Fimko Ltd. (Finland)	290042-3-1	30 OCT 2018
SGS Fimko Ltd. (Finland)	290042-3-2	30 OCT 2018

Technical information

Operating voltage:
 3,3 VDC

Frequency bands:
 Bluetooth LE: 2402 – 2480 MHz

Transmit power (EIRP):
 Bluetooth LE: 9.8 dBm

Antenna type and gain Bluetooth LE:
 Internal chip antenna (A variant): 1.0 dBi,
 External dipole antenna (E variant): 2.14 dBi

Additional information

This type examination certificate is based on the inspection of the technical file ref. no. BGX13P22GA_TCF dated on 20 September 2018.

This type examination certificate replaces the earlier issued type examination certificate no. RED-1168 dated 1 June 2018

This certificate is valid only for the types mentioned in this certificate.

The manufacturer must inform SGS Fimko if any technical or electrical changes made to the product covered by this certificate, as unauthorised modifications would invalidate this certificate.