RF EXPOSURE ASSESSMENT

Manufacturer	Silicon Laboratories Finland Oy
Model	BGM13P32A, BGM13P32E, BGM13P22A, BGM13P22E, BGX13P22GA
Device	Bluetooth Low Energy Module
Test Specification	EN 62479:2010, section 4, route D
Report No.	293013-2

REFERENCE DOCUMENTS

1999/519/EC, European Council Recommendation, 1999-07-30
2004/40/EC, European Council Directive, 2004-04-29
290042-3-2, ETSI EN 300 328 V2.1.1 Test Report, 30 October 2018

RF EXPOSURE ASSESSMENT

RF characteristics of the assessed radio:

Operating Frequency Range (OFR)	2402 - 2480 MHz
Channels	40
Channel separation	2 MHz
Channel bandwidth	1.050369 MHz
Effective isotropic radiated power (e.i.r.p.)	9.8 dBm
Modulation	GFSK
Integral antenna gain	1.0 dBi
External antenna gain	2.14 dBi

Low power exclusion level, P_{max}, given in EN 62479:2010: 20 mW (13 dBm)
Environment: Uncontrolled, General Public

Assessment result of the variant/model with the highest e.i.r.p power:

Frequency [MHz]	Peak Power [dBm]	Duty cycle [%]	Duty cycle correction [dB]	Average Power [dBm]	Limit P_{max} [dBm]	Margin [dB]
2402	9.8	100	0	9.8	13.0	3.2

RF EXPOSURE STATEMENT

Based on the assessment above the device in portable/mobile/fixed use complies with the basic restriction according to 1999/519/EC.

Date: October 30, 2018

SGS Fimko Oy

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