

Manufacturer Silicon Laboratories Finland Oy
Device BLE112 Bluetooth module
Test Specification EN 62479:2010, section 4, route D
Report No. 280792-1

REFERENCE DOCUMENTS

1999/519/EC, European Council Recommendation, 1999-07-30
 2004/40/EC, European Council Directive, 2004-04-29
 274807-4-2, ETSI EN 300 328 v1.8.1 Test Report, 2015-05-28

RF EXPOSURE ASSESSMENT

RF characteristics of the assessed radio:

Operating Frequency Range (OFR)	2402 - 2480 MHz
Channels	40
Channel separation	2 MHz
Channel bandwidth	1.056 MHz
Effective isotropic radiated power (e.i.r.p.)	6.66 dBm
Transmission technique	DSSS
Modulation	GFSK
Integral antenna gain	0.5 dBi
External antenna gain	2.76 dBi

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

Assessment result:

Channel	Frequency [MHz]	Peak Power [dBm]	Duty cycle [%]	Duty cycle correction [dB]	Average Power [dBm]	Limit P_{max} [dBm]	Margin [dB]
High	2480	6.66	100	0	6.66	13.0	6.34

RF EXPOSURE STATEMENT

Based on the assessment above BLE112 Bluetooth module in portable/mobile/fixed use complies with the basic restriction according to 1999/519/EC.

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SGS Fimko Oy



Janne Nyman
 Compliance Specialist