

TECHNICAL ACCEPTANCE CERTIFICATE

➤ Certificate No. A01648 ◀

Certificate Holder: Silicon Laboratories Finland Oy
Alberga Business Park, Bertel Jungin aukio 3
02600 Espoo, Uusimaa, FINLAND

ISED Certification Number: 5123A-GM240P

Type of Application: New Family Certification

Category: Radio

Device Type: Modular Approval

Hardware Ver. Id. Number(s) (HVIN): MGM240P22A, MGM240P32A, MGM240P32N,
BGM240P22A, BGM240P32A, BGM240P32N

Product Marketing Name(s) (PMN): Bluetooth Low Energy and 802.15.4 wireless radio module

Firmware Ver. Id. Number(s) (FVIN): Firmware version 4.0.x (Gecko SDK)

Host Marketing Name(s) (HMN): N/A

Product Categories: Other

Standard(s)/Specification(s): RSS-Gen, Issue 5, Issue Date: Apr 2018 (Amd 2, Feb 2021)
RSS-102, Issue 5, Issue Date: Mar 2015 (Amd 1, Feb 2021)
RSS-247, Issue 2, Issue Date: Feb 2017

Please see Annex for Frequency Range, RF Power/Field Strength, Emission Designation(s) and Antenna Information.

Testing Laboratory: Bureau Veritas CPS(H.K.) Ltd., Taoyuan Branch
No.19, Hwa Ya 2nd Rd., Wen Hwa Vil. Kwei Shan Dist.
Taoyuan City, Taiwan
Tel: +886 3 318 3232 / Fax: +886 3 327 0892
Email: andrea.hsia@tw.bureauveritas.com
Company Number: 7450F / CABID: TW2021

Certification of equipment means only that the equipment has met the requirements of the above-noted specification. License applications, where applicable to use certified equipment, are acted on accordingly by the ISED issuing office and will depend on the existing radio environment, service and location of operation. This certificate is issued on condition that the holder complies and will continue to comply with the requirements and procedures issued by ISED. The equipment for which this certificate is issued shall not be manufactured, imported, distributed, leased, offered for sale or sold unless the equipment complies with the applicable technical specifications and procedures issued by ISED.

La certification du matériel signifie seulement que le matériel a satisfait aux exigences de la norme indiquée ci-dessus. Les demandes de licences nécessaires pour l'utilisation du matériel certifié sont traitées en conséquence par le bureau de délivrance d'ISDE et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation. Le présent certificat est délivré à la condition que le titulaire satisfasse et continue de satisfaire aux exigences et aux procédures d'ISDE. Le matériel à l'égard duquel le présent certificat est délivré ne doit pas être fabriqué, importé, distribué, loué, mis en vente ou vendu à moins d'être conforme aux procédures et aux spécifications techniques applicables publiées par ISDE.

I hereby attest that the subject equipment was tested and found in compliance with the above-noted specification.
J'atteste, par la présente, que le matériel a fait l'objet d'essai et a été jugé conforme à la spécification ci-dessus.

Authorized by:


Steve Cheng / Certification Manager
North American EMC Certification Services Inc.

Original Date of Issue: August 25, 2022
Revised Date of Issue: N/A

Model	Frequency Range		Maximum RF Power / Field Strength	Emission Designation
	Min (MHz)	Max (MHz)		
MGM240P22A	2402	2480	0.011 W Conducted	1M05F1D
	2404	2478	0.011 W Conducted	2M04F1D
	2405	2480	0.011 W Conducted	2M25G1D
BGM240P22A	2402	2480	0.011 W Conducted	1M05F1D
	2404	2478	0.011 W Conducted	2M04F1D
MGM240P32A	2402	2480	0.096 W Conducted	1M05F1D
	2404	2478	0.097 W Conducted	2M06F1D
	2402	2480	0.096 W Conducted	1M03F1D
	2404	2478	0.097 W Conducted	2M06F1D
	2405	2480	0.094 W Conducted	2M23G1D
BGM240P32A	2402	2480	0.096 W Conducted	1M05F1D
	2404	2478	0.097 W Conducted	2M06F1D
	2402	2480	0.096 W Conducted	1M03F1D
	2404	2478	0.097 W Conducted	2M06F1D
MGM240P32N	2402	2480	0.095 W Conducted	1M05F1D
	2404	2478	0.094 W Conducted	2M06F1D
	2402	2480	0.095 W Conducted	1M05F1D
	2404	2478	0.094 W Conducted	2M06F1D
	2405	2480	0.096 W Conducted	2M24G1D
BGM240P32N	2402	2480	0.095 W Conducted	1M05F1D
	2404	2478	0.094 W Conducted	2M06F1D
	2402	2480	0.095 W Conducted	1M05F1D
	2404	2478	0.094 W Conducted	2M06F1D

Antenna Information:

Integral antenna with 1.82dBi gain
 External Dipole antenna with 2.8dBi gain

Notes & Conditions:

Single modular approval for mobile RF exposure conditions or portable use when SAR exemption is applicable. Co-transmission of this module with other transmitters requires a separate evaluation. The host integrator must follow the integration instructions provided by the module manufacturer and ensure that the composite-system end product complies with the ISED requirements by a technical assessment or evaluation to the ISED rules. This certificate is valid only when the module is sold to OEM integrators and the OEM integrators are instructed to ensure that the end user has no manual instructions to remove or install the module.

Model (HVIN)	Description	Antenna Type
MGM240P22A	Low-Power Bluetooth LE (DTS) and 802.15.4 (DTS) radio module	Integral
BGM240P22A	Low-Power Bluetooth LE (DTS) radio module	Integral
MGM240P32A	High-Power Bluetooth LE (DTS & FHSS) and 802.15.4 (DTS) radio module	Integral
BGM240P32A	High-Power Bluetooth LE (DTS & FHSS) radio module	Integral
MGM240P32N	High-Power Bluetooth LE (DTS & FHSS) and 802.15.4 (DTS) radio module	RF Pin (External)
BGM240P32N	High-Power Bluetooth LE (DTS & FHSS) radio module	RF Pin (External)