



## Declaration of Identity

Federal Communications Commission  
(Authorization and Evaluation Division)  
7435 Oakland Mills Road, Columbia, MD 21046

**FCC ID: QOQ-GM220P**

Attn: To Whom it May Concern / Application Examiner / Review Engineer / Officer in Charge  
Re: Declaration of Identity / Attestation of Model Difference

Dear Madam or Sir,

**We**, Silicon Laboratories Finland Oy, a corporation validly organized and existing under the laws of Finland, having its principal place of business at Alberga Business Park, Bertel Jungin aukio 3, 02600 Espoo, Finland,

hereby **declare** that the family of our radio modules includes **3** models with names and brand as listed below:

Product description: ZigBee and Bluetooth Low Energy wireless radio modules  
Model names: MGM220P22A and BGM220P22A and BGX220P22A  
Trademark / Brand: Silicon Labs

As the manufacturers of the above-listed modules we **declare** that they are electrically and mechanically identical, and the only differences between models are described in the last row of the table below:

Product	Zigbee and Bluetooth Low Energy wireless radio modules	Bluetooth Low Energy wireless radio modules
Model	MGM220P22A	BGM220P22A and BGX220P22A
Spec.	Low-Power, Zigbee and/or BLE	Low-Power, BLE
Antenna Type	On board ceramic chip antenna with 1.86dBi of gain	
Hardware	Hardware-wise the modules are identical. These are fully internally regulated and shielded PCB modules with a single integral ceramic chip antenna. There are no separate variants with an RF pin or a connector for using external antennas.	
RF max TX power	8.2 dBm	
Model differences	The only difference between these modules concerns the factory software configuration defining which wireless protocol are allowed: - The MGM220P22A can run Zigbee and/or BLE and/or a simple proprietary protocol as a SRD (Short Range Device) - The BGM220P22A can run BLE and/or a simple proprietary protocol as a SRD - The BGX220P22A is identical to the BGM220P22A, but with another name for marketing differentiation	

Should there be any query regarding this declaration, please do not hesitate to contact the undersigned.  
Thank you for your attention to this matter.

Place and date of issue (of this declaration):  
Espoo, 11 March 2020

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