



**BROADCOM CORPORATION**

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Date: February 23, 2012

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

Attn: OET Dept.

Ref: FCC Class II Permissive change for FCC ID: QDS-BRCM1055  
(Original Grant Date: 1/22/2011)  
Applicant: Broadcom Corporation

Dear Examiner,

This is to request a Class II permissive change for FCC ID: QDS-BRCM1055. There are no electrical modifications made to the applying modular transmitter.

The major changes filed under this application are:

Change #1    Bluetooth Low Energy (BLE) functionality is added to the Bluetooth chipset. The modified chipset is pin for pin compatible and the BT functionality, the maximum output power and frequencies of operation remain the same as the original approval. The BT and BLE are electrically equivalent and use the same analog/RF path in terms of internal active hardware components (e.g. amplifier and crystal/frequency), GFSK transmitter and filtering circuitry. The BLE has the same basic functionality as the already approved BT but simply uses a different channel hopping mechanism (over the same frequency band and channel allocations) such that it is certified as a DTS device. The above changes within the chipset, to enable the BLE mode functions, are within the scope of the hardware changes allowed for a C2PC.

If you have any questions regarding this application, please feel free to contact me.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Daniel Lawless".

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Daniel Lawless  
Sr. Manager, Compliance Engineering  
Broadcom Corporation  
190 Mathilda Place  
Sunnyvale, CA 94086