



Date: April 1, 2020
Federal Communications Commission
7435 Oakland Mills Road
Columbia MD 21046

Requesting Class II permissive change for FCC ID: HFSGQE100

To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for
FCC ID: HFSGQE100, Original grant date: 03/31/2020
Applicant: Quanta Computer Inc

The major change filed under this application is :

1. The subject approved module is being integrated in a new host.
Model No: GQE10A, GQE10C. Model difference: For the marketing purpose.
2. Evaluation has been done to demonstrate RF exposure Compliance.
3. RF power setting has been reduced in this application upon Frequency 2452 MHz of 802.11 n 40M and 5530 MHz of 802.11 ac 80M, EMC test reports has been submitted for demonstrating compliance.
4. The hardware design of this transmitter that may affect compliance is remained unchanged in this permissive change application.
5. The security mechanism in the firmware is remained unchanged as it is in original grant conditions.
6. The master and client modes operate in each frequency band are same as it is in the original grant conditions.
7. WLAN transmitter only supports with passive scanning in UNII-2A & UNII-2C bands without radar detection, hence radar detection is exempted from evaluation in this modification.
8. Adding new antenna(s) with different type and lower gain than the the antenna of original approval.

Original Antenna

Main Antenna Type	Frequency	Peak (dBi)
PIFA	2.4 GHz	3.24
PIFA	5 GHz	3.6

New Antenna

Main Antenna Type	Frequency (MHz)	Peak (dBi)
Metal Antenna	2402 – 2480	-1.3
	5150 – 5250	2.41
	5250 – 5350	1.98



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Joyce Kuo

5470 – 5725	1.60
5745 – 5850	1.51

Aux Antenna Type	Frequency (MHz)	Peak (dBi)
	2402 – 2480	-1.07
	5150 – 5250	2.20
Metal Antenna	5250 – 5350	2.09
	5470 – 5725	2.31
	5745 – 5850	2.31

Sincerely,

By: Joyce Kuo
Title: Coordinator

On behalf of: Quanta Computer Inc
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