

**Actiontec Electronics, Inc.**

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

Attn: Office of Engineering and Technology.

Reference: FCC ID: LNQM6240V
Model: M6240V, M6240, M6240L
Applicant: Actiontec Electronics, Inc.
Date: 09/02/2015

To Whom It May Concern:

This letter serves as a formal request to the FCC Authorization and Evaluation Division to waive DFS radar testing required by KDB 388624 D01 Permit But Ask Procedure v10 on the **FCC ID: LNQM6240V**.

Reasoning for Waiver:

The Actiontec M6240V, M6240, M6240L uses the same radio, chipset and solution as the **FCC ID: LNQWXB6X00Q** which was previously tested to the NII New Rules on 07/16/2015. Software which supports the DFS radar detection functionality is identical, and has been adjusted for the slight difference in the antenna design per the DFS test report.

The **FCC ID: LNQWXB6X00Q** uses 2 V-pole and 2 H-pole antennas where the **FCC ID: LNQM6240V** uses a single H-pole and 3 V-pole antenna. In both cases the antenna gain plus array gain is <6dBi. The antenna elements are similar.

Please refer details to the table 'Expedited Review Required Information' on the 2nd page.

Sincerely,

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Expedited Review Required Information

	FCC ID(s) of Previously Granted DFS Devices LNQWXB6X00Q	FCC ID of New Application LNQM6240V
Technology (802.11x, frame based, MIMO, smart antenna, etc.)	5 GHz Quantenna WLAN RFIC Set reference design. (QT3849BC +QT2518B) 802.11a/n/ac 4x4 MIMO	Same as LNQWXB6X00Q
Bandwidth information and differences	Supports 20/40/80 MHz BW Only	Same as LNQWXB6X00Q
Antenna Information and Differences	3 PCB SMT Stamped Dipoles 2-Hpole/1-Vpole 1 U.FL Cabled Vpole 4x4, Vector Sum < 6dBi/polarization pattern and polarization diversity All antenna 3dBi	3 PCB SMT Stamped Dipoles 1-Hpole/2-Vpole 1 U.FL Cabled Vpole 4x4, Vector Sum < 6dBi/polarization pattern and polarization diversity All antenna 3dBi
Differences in DFS functioning, circuitry, software, etc.	Quantenna Software Design Kit SDK ACR 2.4	Same as LNQWXB6X00Q
Differences between the products such as Tx power, modulation, receivers, processing circuitry	UNII-2a/2c Power <24 dBm Total UNII-1/3 < 30 dBm Total	Similar as LNQWXB6X00Q Slight differences due to antenna at Band Edges
Names of test labs for various Grants	MiCom Labs Pleasanton, CA.	MiCom Labs Pleasanton, CA.