hp ® invent

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Date: August 15, 2011

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

Office of Engineering and Technology

Attn: Steven Dayhoff

Re: FCC ID: RTP-MRLBB1003S
Applicant: Hewlett-Packard Co
Correspondence Reference Number: 39862
Form 731 Confirmation Number: EA489850
Date of Original E-mail: 05/26/2011

Dear Mr.Dayhoff,

The following is our response to your four points raised in the Info Request email sent 8/12/11.

Please let me know if you have any additional questions or concerns.

Sincerely,

John Czyzewicz
Sr. Regulatory Engineer
Hewlett-Packard Co

1) *Provide a description of options available to users/installer with country code selections of USA and Worldwide separately. Is there any HP sales/shipping practice to prevent units with Worldwide selection from being shipped to US multi-national customers?*
    - For use in the United States, we have a unique model number (SKU). If a customer orders an AP for use in the United States, then they are restricted to the US SKU.

      HP ordering system blocks products by regions and where the WW variant is not allowed to ship in the US (Americas), the system will block these orders.

      For the US SKU, we do allow several other countries to be selected, including Canada and a few Latin American countries. A business case was made to limit the channel selection to be equal to or less that what is allowed in the US, in order to meet the FCC requirements.

2) *For both the indoor and outdoor AP's, there are two separate Atheros radio cards. Please confirm that they are controlled by a dual core CPU, not two separate CPUs running two operating systems.*
    - The AP's for both FCC ID RTP-MRLBB1003S and RTP-MRLBB1003 use a single dual core CPU (Freescale P1020).

    Also, since they both can be configured independently, please describe the interaction between the two radios in DFS detection. For example, what would the controller do when one detects radar while the other does not; or one's client (with radar detection) detects radar while the other not?
    - The two radios act as a single device with regards to the DFS channel exclusion list. If one radio detects DFS it will not tell the other one.

      In theory, the other radio may not have detected the radar due to the position of the antennas, and is free to use that channel.

      In reality, both radios might see the same radar signal, so both will note that channel in their DFS channel exclusion list and restrict use on that channel.

3) *Explain how to prevent 5600-5650 MHz band from being used in outdoor applications for both the outdoor AP and the indoor AP with external antennas?*
    - We have notched these channels out. They are not available for use on our product for either the indoor or outdoor product.

4) *Please provide an attestation that the radio module will be used exclusively on HP products.*
    - The LMA approval is intended to only be used in HP products. The grant application is submitted in such a way so that the only way to meet the DFS requirements is to use the firmware and hardware platform which is proprietary to HP. We have no plans to sell or allow use to the general public, and have not structured any orderable part number except for internal HP use.