7signal Solutions, Inc.
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Akron, Ohio 44311
855-763-9526

July 20, 2015

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

To whom it may concern:

7signal Solutions, hereby requests a Permissive Change Class II of the radio equipment certification for the 802.11ac Dual Band Module, certification number, FCC ID: YLFSE2100WL. This product, differs from the originally approved product in the following manor:

(a) Associated digital circuitry. – There are no changes to this section.
(b) Functional capabilities. – There are no changes to this section.
(c) Antenna Characteristics. – The host product is a Wi-Fi performance monitoring node that employs a switched sector antenna scheme where:
    i. Only one of six, 60-degree azimuth directional sectors may be selected at a time.
    ii. Each sector employs 3 antennas in a 3x3 MIMO fashion.
    iii. Each antenna element has 6dBi or less gain.
    iv. Two antennas of each sector are horizontally polarized Vivaldi type PCB printed antennas which are aimed 60 degrees apart from each other for diversity.
    v. The third antenna in each sector is a vertically polarized slot type antenna.
    vi. Each antenna in the system is capable of dual-band operation in the Wi-Fi bands.
    vii. There is only one simplex MIMO radio transceiver in the system.
(d) Cosmetic differences – There are no changes to the radio module (except the FCC sticker).

I do attest that the Field strength and/or RF Output readings remained the same or are lower than the originally approved product and that they did not increase therefore qualifying this product for this application type.

Sincerely,

Veli-Pekka Ketonen
Founder and Chief Technology Officer
7signal Solutions, Inc.