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RE: Motion Research

FCC ID: SG3-MCMSUV1

1) Various information in the manual, and RF transceiver manufacture suggest that 79 channels, each 1 MHz wide are used. However, the application only is asking for approval across part of the band (2042 – 2478 MHz). It appears the frequency may be listed incorrectly on the 731 form.

Response: The frequency ranges should actually be from 2402 – 2481 MHz to cover the 79 channels. 731 form and RSP-100 have been changed to reflect this frequency range.

2) The theory of operation mentions 79 channels are used, so it would therefore seems that the device would function on 2402 – 2480 MHz in order to use all channels. Please explain and or confirm that the final device will only operate on these frequencies and correct any exhibits necessary.

Response: The frequency ranges should actually be from 2402 – 2481 MHz to cover the 79 channels. 731 form and RSP-100 have been changed to reflect this frequency range.

3) What is the unit of output power & PSD shown in the report. The data tables to not report this. Please correct.

Response: Report has been modified to include the correct units in dBm. Revised report has been uploaded.

4) Please provide an RF exposure exhibit for this device. This exhibit was not provided.

Response: MPE calculation has been uploaded.

5) The users manual appears to missing information regarding 15.21, RF exposure, and co-location. Please update the users manual.

Response: Revised manual has been uploaded.

Regards,

A handwritten signature in black ink that reads 'Juan Martinez'.

Juan Martinez
Sr. EMC Engineer