

Correspondence Summary Q & A

October 28, 2005

SUBJECT: AIRAYA CORP. - FCC ID: QDE-GRID-C

1. BLOCK DIAGRAM: Please submit a Block Diagram per the FCC Requirements in Part 2.1033(b)(5). The diagram shows two radios. Please explain.

The module as designed has provision for a 2.4GHz radio to be installed. For this particular product that radio is not enabled by the manufacturer and cannot be enabled in the field or by an OEM integrator.

2. BLOCK DIAGRAM: It shows two antennas for one of the radio. Please explain the purpose of ant 1 and ant 2 (diversity?).

The hardware functionality of the two antennas is for diversity.

3. USER MANUAL: Page 49 shows operation in the 4.990-4.995 GHz and 5.25-5.35 GHz Bands. Please explain how this EUT will comply with the 15.247 5.725-5.850 GHz frequency limits.

This hardware is capable of supporting the listed frequency bands. For the sake of this filing, only the 5.725-5.850 is enabled. This selection can only be done by the manufacturer and cannot be changed by the end user, the OEM integrator, or installer.

4. USER MANUAL - Part 15.247(b)(4) and (c)(1)(iii): Please explain compliance with the de facto EIRP limit of +36dBm and Operator/installer's instructions for exclusive use as point-to-point operation.

Please see revised user manual page 46. In order to maintain compliance with the de facto EIRP limit of +36dBm for non-point-to-point applications the max conducted output power is listed under the "multipoint" column.

5. REPEATER OPERATION: There is no reference in the Test Report that this EUT was tested for Repeater Operation. Please, explain.

The "Repeater Operation" functions as a retransmission of logical data received from either antenna then transmitted again through either antenna or the Ethernet. This activity repeats the data rather than the received signal in a routing type of function.

6. Photos: Please explain the purpose of the “absorber” shown on the internal photos.

The absorber was required in order for the equipment to pass radiated spurious emissions.

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