

## Correspondence Summary

### Q & A

October 28, 2005

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

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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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