

Mike Kuo

From: Claire Hoque
Sent: Monday, January 23, 2006 11:16 AM
To: Mike Kuo
Cc: Christine Vu; William Lau; Michael Heckrotte; Tom Cokenias; David Garcia
Subject: answer: Airgo Networks, 05U3719, FCC ID: SA3-AGN3022UB1100, Assessment NO.: AN06T5435, Notice#1

Attachments: USB module label RFX in User Manual.pdf; Dual Band APx ant spec.pdf; Module Approval Letter.pdf; FCC Label(revised).pdf; ChannelLimits_FCC_IC_RegDom.pdf; 05U3719-1B FCC DTS Report.pdf



USB module label
RFX in User M...



Dual Band APx ant
spec.pdf (1 ...



Module Approval
Letter.pdf (73...



FCC
Label(revised).pdf (124



ChannelLimits_FCC
IC_RegDom.pdf...



05U3719-1B FCC
DTS Report.pdf...

Hi Mike,

Here are the answers.

Question #1: The test configuration was followed the modular approval guidelines but there is no request for modular approval letter was submitted. Please submit a cover letter to request for modular approval and address all the requirements as stated in FCC public notice DA 00-1407.

<answer>modular letter is attached.

Question #2: As indicated in the radiated emission test setup photo, there is box between the module and dual dipole antenna. Please explain why the box was used during the radiated emission tests.

<answer>The antennas that were provided for testing came installed on this box.

There is no circuitry inside this box. The setup was used to support the antennas.

Question #3: Through out the test report, in the MIMO channel bonding mode or SIMO channel bonding mode, the frequency range listed is not consistent. Some section listed as 2412 - 2452 and some section listed as 2422 - 2452 MHz. Please explain the different frequency range in various test items.

<answer>The MIMO and SIMO frequency were meant to be the same and are listed in the new revision report

as 2422 MHz and 2452 MHz. The data has also been updated to reflect the correct frequencies as listed.

Question #4: Please include a test setup diagram to show the test configuration during 6dB and 99% Bandwidth. If combiner was used, please list in the section 5 of test report.

<answer> No combiner was used for FCC testing. Each channel was tested separately.

The current setup diagram depicts the setup used for each channel.

Question #5 : Please include a test setup diagram to show the test configuration during peak output power measurement.

<answer> No change in test configuration diagram. See answer #4 above.

Question #6: Please explain how the peak output power and PSD total was calculated and include such formula in the test report.

<answer> This formula was used in Airgo's previous project. Report is revised to show the formula.

FORMULA: $10\log(10^{(Pd_{mch0}/10)} + 10^{(Pd_{mch1}/10)})$

Question #7 : User manual provided is written for many type of device. As indicated in the manual, the software is allowed to select the country code (page 25 of 46) which is

not allowed by FCC. Regulatory compliance can not be depended on the user but should be designed by the manufacturer to ensure proper channel setting is allowed in the U.S. Please address this issue.

<answer> Firmware In All Airgo Products Limit Channel Selection To The Country Where Product Is Sold.

Firmware Is Set At Factory Prior To Shipment To The Destination Country. User Channel Choice Is Limited

To The Channels That Are Legal In Destination Country, Including All Products Sold In The Us.

Question #8 : User manual does not contain the instruction to the OEM installer on how to label the end product and the RF exposure section indicates that this device has been tested for SAR to address RF exposure requirement . Such statement does not applicable to this application . Please make necessary change.

<answer> pls see additional manual page attached.

Question #9 : Please submit the label format will be suggested to the OEM installer per FCC public Notice DA 00-1407.

<answer>pls see revised FCC Label and additional manual page which covers label information.

Question #10 : Please provide schematic diagram.

<answer> It is already in the submission package.

Question #11 : Please provide antenna specification.

<answer>antenna spec. is attached.

Thanks,

Claire