

Mike Kuo

From: Mike Kuo
Sent: August 05 2004 11:47 AM
To: Tom Cokenias
Cc: CLIENT ADVOCATES; Michael Heckrotte
Subject: FW: Airgo Networks, FCC ID: SA3-AGN1202AP0000, Assessment NO.: AN04T4105, Notice#1

-----Original Message-----

From: Compliance Certification Services [mailto:MKuo@ccsemc.com]
Sent: Thursday, August 05, 2004 11:17 AM
To: mkuo@ccsemc.com
Subject: Airgo Networks, FCC ID: SA3-AGN1202AP0000, Assessment NO.: AN04T4105, Notice#1

Question #1: Based upon internal photos, this Access point is capable of equipping with 3 mini-PCI radio module. As indicated in the internal photos, there are two identical 802.11 a/b/g modules installed. Please explain how the third mini-PCI slots will be used.

Question #2: In the test report, there is no indication how the RF conducted measurements were performed. Please address the following issues :

1. Since there are two transmitting antenna connectors, please indicate which transmitting connector was used during RF conducted measurement.
2. Please clearly explain what is the operating conditions during measurements. In particular, what is the data rate used during b, g, a modulation, is only one transmitting function activated or both ? the highest output power is measured with combined output power or individual output power ? Is combiner used ?
3. Please provide peak output power measurement data for the following mode of operation:

One 802.11b mode with 1 mbps data rate measured at one transmitting connector
Two 802.11 b model with 1 Mbps data rate measured with combiner

One 802.11g mode with 6 Mbps data rate measured at one transmitting connector
Two 802.11g mode with 6 Mbps data rate measured with combiner

One 802.11g mode with 54 mbps data rate measured at one transmitting connector
Two 802.11g mode with 54 mbps data rate measured with combiner

One 802.11a mode with 6 Mbps data rate measured at one transmitting connector
Two 802.11a mode with 6 Mbps data rate measured with combiner

One 802.11a mode with 108 Mbps data rate measured at one transmitting connector
Two 802.11a mode with 108 Mbps data rate measured with combiner.

One 802.11b mode with 1 Mbps data rate and one 802.11g mode with 54 data rate measured with combiner.

Question #3: Page 41 , Figure 27 of user manual has information to allow the end user to select the channel and power. Please provide detail information to what type of setting is available for user to select.

Question #4: User Manual does not include information required per section 15.21 of FCC rules.

Question #5: User manual does not include information to address RF exposure compliance. Please submit revised user manual to address this requirement.

Question #6: Please provide clear explanation to describe what is the test condition during radiated spurious emission and restricted bandedge. How many transmitters are activated ? what is the data rate ?

Question #7 Please take into account when multiple transmitters are transmitting simultaneously and relation to the output power in the MPE estimate. Please provide justification to show what is the separation distance is required when multiple transmitters are transmitting at the same time.

Question #8 :Based upon the spectrum plots of output power, the duty cycle may not be transmitted at 100 %. Please provide technical description to describe the duty cycle for one transmitter , two transmitter in each mode and in each data rate.

Best Regards

Mike Kuo

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.