

## Mike Kuo

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**From:** Claire Hoque  
**Sent:** Wednesday, April 26, 2006 12:52 PM  
**To:** Mike Kuo  
**Cc:** Alvin Ilarina; Michael Heckrotte; Christine Vu  
**Subject:** answer: 06U10181 Airgo Networks, FCC ID: SA3-AGN3022MP1100, Assessment NO.: AN06T5691, Notice#1

**Attachments:** Guide\_IU\_AGN3022MP1100\_(MP322gR)\_640\_00115\_00.pdf; 06U10181-1B FCC DTS Report.pdf; 2x2mPCI label(revised).pdf



Guide\_IU\_AGN302206U10181-1B FCC 2x2mPCI  
MP1100\_(MP322g... DTS Report.pdf... bel(revised).pdf (86

Hi Mike,

Pls see our answer below. And pls help to issue grant today.

Question #1 : Please list the modulation type and data rate that was used during final compliance tests. Section 5.5 of EMC test report indicated the worst case investigation but did not provide the mode of investigation used during the preliminary tests.

<answer>

802.11b, CCK modulation, 1 Mbps data rate  
802.11g, OFDM modulation, 6 Mbps data rate  
SIMO, OFDM modulation, 12 Mbps data rate  
MIMO, OFDM modulation, 48 Mbps data rate

Question #2: Section 7.1.3, please list the formula used to calculate the total output power.

<answer>  $(\text{Peak Power}) = 10 * \text{LOG}(10^{((\text{Chain 0 Power})/10)} + 10^{((\text{Chain 1 Power})/10)}, 10)$

Question #3: PSD measurement: The method used for PSD measurement does not comply with DTS measurement procedure published on May 09, 2005. Please redo the PSD measurement . The requirement for PSD measurement is stated below: Since output power is measured with output power option 2/ Method 1, then you have to measure PSD with PSD option 2.

Section 15.247(d) ;V Power spectral density (PSD).

The same method of determining the conducted output power shall be used to determine the power spectral density. If a peak output power is measured, then a peak power spectral density measurement is required. If an average output power is measured, then an average power spectral density measurement should be used. Use PSD Option 1 if Power output Option 1 was used. Use PSD Option 2 if power output Option 2 was used.

<answer>report is revised to address this issue.

Question #4: The installation and user guideline is written for Cardbus card only. Please provide OEM installation instruction for this mini-PCI card.

<answer>attached pls find OEM installation manual.

Question #5: Please provide label instruction for the OEM integrator and label format that will be used by the OEM installer on the final system.

<answer>attached pls find revised label.

Thanks,

Claire

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

From: Mike Kuo

Sent: Monday, April 24, 2006 6:17 PM

To: Mike Kuo

Subject: Airgo Networks, FCC ID: SA3-AGN3022MP1100, Assessment NO.: AN06T5691, Notice#1

Question #1 : Please list the modulation type and data rate that was used during final compliance tests. Section 5.5 of EMC test report indicated the worst case investigation but did not provide the mode of investigation used during the preliminary tests.

Question #2: Section 7.1.3, please list the formula used to calculate the total output power .

Question #3: PSD measurement: The method used for PSD measurement does not comply with DTS measurement procedure published on May 09, 2005. Please redo the PSD measurement . The requirement for PSD measurement is stated below: Since output power is measured with output power option 2/ Method 1, then you have to measure PSD with PSD option 2.

Section 15.247(d) ;V Power spectral density (PSD).

The same method of determining the conducted output power shall be used to determine the power spectral density. If a peak output power is measured, then a peak power spectral density measurement is required. If an average output power is measured, then an average power spectral density measurement should be used. Use PSD Option 1 if Power output Option 1 was used. Use PSD Option 2 if power output Option 2 was used.

Question #4: The installation and user guideline is written for Cardbus card only. Please provide OEM installation instruction for this mini-PCI card.

Question #5: Please provide label instruction for the OEM integrator and label format that will be used by the OEM installer on the final system.

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.