

## Mike Kuo

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**From:** Sunny Shih  
**Sent:** Monday, July 18, 2005 3:26 PM  
**To:** Mike Kuo  
**Cc:** Danielle Zhan; Tom Cokenias; Michael Heckrotte  
**Subject:** RE: Airgo Networks, FCC ID: SA3-AGN1022PC0100, Assessment NO.: AN05T4928, Notice#3  
**Attachments:** SAR Test Plot for reduced dist to 11 mm.pdf

Hi Mike,

Here's my answer for Q # 10:

>> There are two hot spots with host # 1 because the distance from EUT to phantom is shorter than host # 2 and host # 3.

Distances between EUT and phantom:

11 mm for host # 1  
13 mm for host # 2  
12.5 mm for host # 3

Both TX1 and TX2 were enabled during SAR measurements.

To prove that the number of hot spots is directly related to the distance between EUT and phantom, we took the robber feet from the host # 2 to simulate separation distance 11 mm and then re-measured SAR and got two hot spots.

Attached please find the test result for your reference.

Thanks,

Sunny

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**From:** Tom Cokenias [mailto:tom@tncokenias.org]  
**Sent:** Tuesday, July 12, 2005 2:41 PM  
**To:** Danielle Zhan; Tom Cokenias  
**Cc:** Sunny Shih  
**Subject:** RE: Airgo Networks, FCC ID: SA3-AGN1022PC0100, Assessment NO.: AN05T4928, Notice#3

Will do, thanks Danielle, Sunny.

best regards

Tom

At 14:33 -0700 7/12/05, Danielle Zhan wrote:

Thanks Sunny for the response.

Tom, please incorporate Sunny's answer into your responses to Mike.

Thanks,

*Danielle Zhan*

7/22/2005

Compliance Certification Services  
561 F Monterey Road  
Morgan Hill, CA 95037  
Tel: (408) 463 0885  
Fax: (408) 463 0888

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

**From:** Sunny Shih

**Sent:** Tuesday, July 12, 2005 1:29 PM

**To:** Danielle Zhan

**Subject:** RE: Airgo Networks, FCC ID: SA3-AGN1022PC0100, Assessment NO.: AN05T4928, Notice#3

Hi Danielle,

Here's reply for question # 10.

Question #10 : By comparing host #1 with Host #2 and #3, the SAR distribution are very different in term of number of hot spots. As demonstrated in host #1 SAR plots, there are two hot spots but in the Host #2 and #3, only one hot spot is detected. Please explain the mode of operation used for each host. What was the transmitting conditions? how many chain was activated ?

>> There are two hot spots in host # 1 because of distance from EUT to phantom is lower than host # 2 and host # 3.

Distances between EUT and phantom:

11 mm for host # 1

13 mm for host # 2

12.5 mm for host # 3

Both TX1 and TX2 were enabled during SAR measurements.

Thanks,

Sunny

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

**From:** Danielle Zhan

**Sent:** Tuesday, July 12, 2005 9:35 AM

**To:** Sunny Shih

**Cc:** Tom Cokenias

**Subject:** FW: Airgo Networks, FCC ID: SA3-AGN1022PC0100, Assessment NO.: AN05T4928, Notice#3

Sunny, FYI.

Danielle

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

From: Mike Kuo

Sent: Tuesday, July 12, 2005 12:28 AM

To: tom@tncokenias.org

Cc: Danielle Zhan; Michael Heckrotte

Subject: FW: Airgo Networks, FCC ID: SA3-AGN1022PC0100, Assessment NO.: AN05T4928, Notice#3

Best Regards

Mike Kuo

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

From: Compliance Certification Services [mailto:mike.kuo@ccsemc.com]

Sent: Tuesday, July 12, 2005 1:21 AM

To: Mike Kuo

Subject: Airgo Networks, FCC ID: SA3-AGN1022PC0100, Assessment NO.: AN05T4928, Notice#3

Question #1: Please clearly documented the test setup in the test report for each of test item. The test setup should include the following :

1. How the chain 1 and chain 2 tests were performed ?
2. Is the power setting on each chain identical ? Please provide a screen shot for the test software setting.
3. Is combiner used during the tests ?
4. What is the test setup for total power, total power density etc. ? is it a calculated result, if

yes, please document the formula used.

Question #2: What is dual mode mean ? Is there a single mode as well ?

Question #3: In the test report, "6 Mbps was used as the worst case due to the test experiences." Please provide a table of rated output power of each of data rate for b mode and g mode to support above statement .

Question #4: What was the transmitting conditions during the radiated restricted band and spurious emission tests. Please clearly document the mode of operation during the tests.

Question #5: In the tabular data for spurious emission, there is no value for power setting , please indicate clearly what was the setting used.

Question #6: As indicated in the theory of operation, this device is capable of transmitting with 14 channels. In the user manual, it also provided a option for end user to select regulatory domain . Based upon FCC requirements, this device can only be transmitting within the authorized frequency range, the manufacturer can not allow the end user to have selections to choose the frequency range which are not authorized. Please address this non-compliance issue.

Question #7: User manual does not include regulatory statement as required in Part 15 and there is no RF exposure warning statement. Please provide revised user manual to address these requirements.

Question #8 : Please submit agency authorization letter.

Question #9: Please identify Chain 0, Chain 1 and Chain 2 in the internal photos and description of each chain in term of TX only, TRX or RX only.

SAR portion :

Question #10 : By comparing host #1 with Host #2 and #3, the SAR distribution are very different in term of number of hot spots. As demonstrated in host #1 SAR plots, there are two hot spots but in the Host #2 and #3, only one hot spot is detected. Please explain the mode of operation used for each host. What was the transmitting conditions? how many chain was activated ?

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.