Mike Kuo

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 ansewed 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 proof that the number of hot spots is directly relate to the distance between EUT and phantom, we took of 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

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***

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,

Here¹s 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 sopts 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

Compliance Certification Services

561F Monterey Road

Morgan Hill CA 95037

Tel: (408)463-0885 x: 105

Fax: (408)463-0888

e-mail:mike.kuo@ccsemc.com

http://www.ccsemc.com

-----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.