Lucy Tsai

From: gina.lo [gina.lo@tw.ccsemc.com] on behalf of application [application@tw.ccsemc.com]
Sent: Thursday, January 03, 2008 5:47 PM
To: Lucy Tsai
Subject: Re:RE: FW: Cisco-Linksys LLC, FCC ID: Q87-WAG160N, Assessment NO.: AN07T7449, Notice#1
Attachments: WAG160N Appendix I for MPE revised 0102.pdf; WAG160N Block Diagram for module 0104.pdf

Dear Lucy,

Please see the revised the MPE & the RF module's block diagram, thank you.

Best Regards,

Gina

"Lucy Tsai" <lucy.tsai@ccsemc.com>

2008/01/01 01:33 AM

收件人： "application" <application@tw.ccsemc.com>
副本抄送：
主旨： RE: FW: Cisco-Linksys LLC, FCC ID: Q87-WAG160N, Assessment NO.: AN07T7449, Notice#1

Hi Gina,

Regarding the RF module's block diagram, it' s not enough. Please provide the function block of AR5416 and AR2122.

Besides, the antenna gain for GALTRONICS shown on the MPE report still is 2.9dBi, please revise.

Best Regards,

Lucy Tsai
Technical Review Engineer
Compliance Certification Services
47173 Benicia Street
Fremont, CA 94538
Cell phone: 886-910-133-235
Direct: (510) 771-1131
Fax: (510) 661-0888
Main: (510) 771-1000
Web Site and TCB Electronic Filing System :http://www.ccsemc.com
From: gina.lo [mailto:gina.lo@tw.ccsemc.com] **On Behalf Of** application
Sent: Monday, December 31, 2007 2:15 AM
To: Lucy Tsai
Subject: Re:FW: Cisco-Linksys LLC, FCC ID: Q87-WAG160N, Assessment NO.: AN07T7449, Notice#1

Dear Lucy,

Please see my reply, thank you.

Best Regards,

Gina

"Lucy Tsai" <lucy.tsai@ccsemc.com>

2007/12/24 03:15 AM

收件人： "application" <application@tw.ccsemc.com>
副本抄送：
主旨： FW: Cisco-Linksys LLC, FCC ID: Q87-WAG160N, Assessment NO.: AN07T7449, Notice#1

Hello Jessica,

Please address following issues.

Q#1: Please provide RF portion's functional block diagram.
Ans:Onboard, the Module have is AR5416+AR2122, please see the left of the block diagram.

Q#2: According the GALTRONICS antenna specificaition, the maximum antenna gain is 0.5dBi which doesn't agree with the one shown the test report. Please revise.
Ans: Please see the page 6 of the revised Antenna Specification.

Q#3: According to test report, EUT is a 2x2 configuration spatial MIMO (2Tx & 2Rx) with cyclic delay diversity function that operate in double TX chains and double RX chains. According to the MIMO test procedure, each individual chain should be investigated for all conducted test. However, test report only tested each individual transmitter chain in MIMO mode. Please address.
Ans: Please see the revised test report.

Q#4: Page 55 of test report shows the setting for measuring radiated band edge test in peak mode doesn't agree with the test procedure. Please address.
Ans: Please see the page 65 of the revised test report-1.

Q#5: Because this transmitter can support CDD mode, then during the non-MIMO mode, the total direction antenna gain equals to 2.9 dBi antenna = 2.9+(10log 2)= 5.9 dBi. So, please revise the MPE calculation with the maximum output power and antenna gain.
Ans: Please see the revised the MPE.

Q#6: Per page 10 of user manual, "for best performance in a network using Wireless-N, Wireless-G and Wireless-B devices, keep the default, Wide - 40MHz Channel. For Wireless-G and Wireless-B networking only, select Standard - 20MHz Channel." Please explain the definition of wireless-B mode firstly and if it's equal to 802.11b, then please explain why 40MHz bandwidth is applicable.
Ans: Please see the revised user manual.

Best Regards,

Lucy

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.