

## Helen Zhao

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**Subject:** FW: Cisco-Linksys LLC, FCC ID: Q87-WRVS4400N, Assessment NO.: AN06T6013, Notice#1

**From:** Lansing.li

**To:** Helen Zhao

**Cc:** miro.chueh@cn.ccsemc.com

**Subject:** RE: Cisco-Linksys LLC, FCC ID: Q87-WRVS4400N, Assessment NO.: AN06T6013, Notice#1

Hello Helen,

Please find our replies below in **Red**,

Thanks!!

Lansing Li / 李雪蘭

Compliance Certification Services (Kunshan) Inc.

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**From:** Lansing.li [mailto:lansing.li@cn.ccsemc.com]

**Sent:** Friday, August 04, 2006 4:51 PM

**To:** 'Helen Zhao'; 'miro.chueh@cn.ccsemc.com'

**Subject:** RE: Cisco-Linksys LLC, FCC ID: Q87-WRVS4400N, Assessment NO.: AN06T6013, Notice#1

Question #1: Please submit block diagram and schematic diagram of the module: WMIM-205GN.

**(Lansing: Please find our updated Block Diagram & Schematics for module attached)**

Question #2: The antenna spec shows antenna gain w/o cable loss is 1.8dBi, cable loss is 0.9 dBi, please explain why antenna gain listed on the test report is 3.6dBi. Please provide the formula used to calculate legacy mode antenna gain.

**(Lansing: please see the "stand positon 2.4GHz "from page 10)**

Question #3: The test report does not show whether investigation has been performed to determine the worst case as indicated in section 3.5. If the answer is yes, please provide a clear description on various mode of operations have been investigated during the preliminary tests.

**(Lansing: from question #3 to question #9, please refer to the test report.)**

Question #4: Test report - section 3.5, 802.11g 40MHz legacy mode (when the EUT is talking with a device without MIMO capability) was never investigated. Please explain why this test mode can be waived. Please provide test data for 802.11g 40MHz legacy mode.

Question #5: Test report - section 3.5 indicates

- draft 802.11n 40MHz channel mode: channel low (2432MHz) and channel high (2442MHz) ... were chosen for full testing.

Based upon operation description, draft 802.11n 20MHz channel mode: channel operation frequency starting from 2412MHz; draft 802.11n 40MHz channel mode: channel operation frequency starting from 2422MHz. Please explain draft 802.11n 40MHz channel mode: why channel low (2422MHz), channel middle (2437MHz) and channel high (2452MHz) were not selected for full testing. Please redo draft 802.11n 40MHz channel mode to test at channel low (2422MHz), channel middle (2437MHz) and channel high (2452MHz).

Question #6: Test report - section 6dB bandwidth page 15-17: please check the plots again, are they 6dB bandwidth or 11-12 dB bandwidth

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plots? page 18-20: please check the plots again, are they 6dB bandwidth or 1-2 dB bandwidth plots? Only page 21-23 are correct plots. page 24-25, please check the plots again, are they 6dB bandwidth or 1-2 dB bandwidth plots?

Question #7: Test Report - section 7.3 Peak Power Output: please provide the formula used to calculate combined power output.

Question #8: Test Report - section 7.4 Average Power Output : please provide the formula used to calculate combined power output.

Question #9: Test Report - section 7.5 Peak Power Spectral Density : please provide the result of combined PPSD Please also provide the formula used to calculate combined PPSD.

Best Regards,

Helen Zhao

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.