

Michael Heckrotte

From: daphne_liang@ccsemc.com.tw
Sent: Monday, March 28, 2005 8:30 PM
To: Michael Heckrotte
Cc: lucy_tsai@ccsemc.com.tw
Subject: ??: RE: ??: RE: ??: ??: FW: D-LINK Corporation, FCC ID: KA2DWLG680A1, Assessment NO.: AN05T4640, Notice#1--Updated(0325)
Importance: High

Hi Michael:

Thank you for your e-mail. Please find the following reply(0329).
And if still have any problems, please connect with me.

BEST REGARDS

Daphne Liang / 梁鈺如 3/29/2005
Certification Team Leader/ R&D and Certification Dept.

Compliance Certification Services Inc.
Rm.258, Bldg.17, No.195, Sec.4, Chung
Hsing Rd., Chutung, Hsinchu, Taiwan, R.O.C.
Tel: 886-3-5913555 / Fax: 886-3-5825720
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"Michael Heckrotte"

<MHeckrotte@CCSEMC.com>

收件人: <daphne_liang@ccsemc.com.tw>

副本抄送: <lucy_tsai@ccsemc.com.tw>

2005/03/26 04:42

主旨: RE: ??: RE: ??: ??: FW: D-LINK Corporation, FCC ID: KA2DWLG680A1, Assessment NO.: AN05T4640, Notice#1--Updated(0325)

Daphne,

17. Please explain how the worst-case antenna was determined for the EMC radiated spurious tests.

Ans: we test both antenna ports A & B then we found the port B is worse than the port A in the radiated spurious test.

So antenna port B was selected as the worst case and recorded in the test report.

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18. The SAR report indicates that conducted power measurements were made on both antenna ports A and B, however the internal photos only show a coaxial connector on one of the antenna ports. Please explain how conducted power was measured on both ports.

Ans: Firstly, the antenna connector show on the EUT is designed for antenna A used only. So by measuring antenna B, a 50 ohm

coaxial cable soldered to the antenna port B.

18. The internal photos only show a coaxial connector on one of the antenna ports. Please clarify whether this connector is installed on port A or B.

Ans: The connector showed in the internal photos is for the port A. .

Thanks,

Mike

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

From: daphne_liang@ccsemc.com.tw [mailto:daphne_liang@ccsemc.com.tw]

Sent: Thursday, March 24, 2005 9:43 PM

To: Michael Heckrotte

Cc: lucy_tsai@ccsemc.com.tw

Subject: ??: RE: ??: ??: FW: D-LINK Corporation, FCC ID: KA2DWLG680A1, Assessment NO.: AN05T4640, Notice#1--Updated(0325)

Hi Michael:

Thank you for your e-mail. Please see the following reply(0325).
And if still have any problems, please connect with me.

BEST REGARDS

Daphne Liang / 梁鈺如 3/25/2005
Certification Team Leader/ R&D and Certification Dept.

Compliance Certification Services Inc.
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"Michael Heckrotte"

<MHeckrotte@CCSEM.C.com>

收件人: <lucy_tsai@ccsemc.com.tw>, <Daphne_liang@ccsemc.com.tw>

副本抄送:

2005/03/23 03:25

主旨: RE: ??: ??: FW: D-LINK Corporation, FCC ID: KA2DWLG680A1, Assessment NO.: AN05T4640, Notice#1--Updated(0318)

3/29/2005

Hi Lucy and Daphne,

Please be advised that I did not receive Daphne's email of 3/18, and the 3/22 email forwarded by Lucy does not have the attachments. Please resend the attachments. I will review this as quickly as possible, when I receive the full response.

Meanwhile, based on the review of the responses contained in the email, please address the following:

Question # 7:

I understand the difference between the two rows of Liquid Conductivity errors.

Please confirm that the two rows of Liquid Permittivity are similar (first row = deviation from target, second row = measurement uncertainty).

Please clearly identify each row in future reports.

My question is regarding the second row (your row for Liquid Conductivity measurement uncertainty). In the column for Standard Unc.(1g) +/-% there are two numbers in this row, as follows:

+/-3.5/1.7

Please explain the difference between these two numbers.

ANS:(+/-3.5) is the uncertainty for 1g sar and (+/-1.7) is for 10g

Question # 9, 10, and 11:

Due to the large difference between antenna A and antenna B, the data previously requested in questions 10 and 11 (low and high channel SAR data for Antenna A in the Acer host, and Mid channel SAR data for Antenna A in the Dell and IBM hosts) is required to address the issue raised in question 9.

Ans:Please find the attached for updated:DWL-G680_Additional SAR test result(0325).

Thanks,

Mike

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

From: lucy_tsai@ccsemc.com.tw [mailto:lucy_tsai@ccsemc.com.tw]

Sent: Tuesday, March 22, 2005 2:16 AM

To: Michael Heckrotte

Subject: ??: ??: FW: D-LINK Corporation, FCC ID: KA2DWLG680A1, Assessment NO.: AN05T4640, Notice#1--Updated(0318)

Hello Michael,

How are you?

Hope everything is good to you.

Regarding this project, we need your help.

Our customer plans to ship in the end of this month, so please kindly help to review it as fast as you can, thank you.

Best Regards,

3/29/2005

Lucy

daphne_liang

梁鈺如

收件人: "Michael Heckrotte" <MHeckrotte@CCSEMC.com>

副本抄送: lucy_tsai/ccsemc@ccsemc

2005/03/18 05:30
PM

主旨: 回信: FW: D-LINK Corporation, FCC ID: KA2DWLG680A1, Assessment NO.: AN05T4640, Notice#1--Updated
(0318) [連結](#)

Hi Michael:

Thank you for your e-mail. Please find the following reply(0318).
And if still have any problems, please connect with me.

BEST REGARDS

Daphne Liang / 梁鈺如 3/18/2005
Certification Team Leader/ R&D and Certification Dept.

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"Michael Heckrotte"

<MHeckrotte@CCSEMC.com>

收件人: <Daphne_liang@ccsemc.com.tw>

副本抄送:

2005/03/11 09:29

主旨: FW: D-LINK Corporation, FCC ID: KA2DWLG680A1, Assessment NO.:
AN05T4640, Notice#1

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

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

Sent: Thursday, March 10, 2005 4:54 PM

To: Michael Heckrotte

Subject: D-LINK Corporation, FCC ID: KA2DWLG680A1, Assessment NO.:
AN05T4640, Notice#1

1. The functional block diagram is embedded within operational description which is a protected document, please extract block diagram from operational description. Operational description and Block diagram shall be uploaded to FCC individually. Block diagram only describes the chip, please submit block diagram that shows the

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functions for entire EUT.

ANS:Please find the attached for updated:DWL-G680_Block Diagram(0318).

2. User Manual has statement regarding operation in 5.15 to 5.25 GHz range, this band is not on Form 731 or supported by test report. Please explain, or remove information that is not applicable.

ANS:Please find the attached for updated:DWL-G680_User manual (0318).

3. Page 26 of EMC report @2399.9MHz and 9647.99MHz, page 28 of EMC report @9747.80MHz, page 30 of EMC report @9847.96MHz, page 36 of EMC report @9847.96MHz, and page 57 of EMC report @2399.90 MHz Vert, the peak limit is not correct. Limit should be -20dBc. Please make necessary correction.

ANS:Please find the attached for updated:DWL-G680_Report (FRF) 0318.

4. For radiated fundamental and spurious emission, -20dBc limit is based on 100kHz RBW, may be either radiated or conducted. No wideband conducted plot furnished, radiated measurements performed with 1 MHz RBW. Please either redo radiated measurements of fundamental using 100 kHz RBW and spurious emissions outside of restricted bands using 100 kHz RBW, or supply conducted spurious plot from 30 MHz to 10th harmonic using 100 kHz RBW as required by 15.247 (d).

ANS:Please find the attached for updated:DWL-G680_Report (FRF) 0318.

5. Page 3 of SAR report, please explain N/A in Trade Name / Model Number.

Ans. The model of WCB-G11 has no trade name, so here N/A means no trade name.

6. Page 3 and 4 of SAR report, please explain why SAR power is less than EMC power.

Ans. EMC test has been re-done with lower output power.

7. Page 13 of SAR report, please explain two Standard uncertainty values for the second row of Liquid conductivity.

Ans. The first row is deviation from target value,and the second row is measurement uncertainty.

8. Page 15 of SAR report, Table of Reference SAR values, please explain difference from calibration certificate values or delete this table if not applicable.

Ans. The value was typing error, it's revised.

9. Pages 20, 21, and 22 of SAR report, please explain the large difference between measured SAR value of Antenna A compared to Antenna B.

Ans. It may because of the EUT design because the output power measured from two antenna ports were identical and during SAR test, the system performance was normal and the procedure was complied with OET 65C, so the SAR value measured should be ok.

10. Please furnish Low and High channel SAR data for Antenna A in Acer host.

Ans.Look into the data, you may find that the SAR result conducted with Acer notebook is the worst one among other two hosts. And besides, refer to the SAR data in Acer host, the value of mid channel of Antenna A is much lower than 0.8W/Kg and antenna B. Moreover, the output power of mid channel is higher than other channels, so that's why we skipped the L/H channels test of antenna A.

11. Please furnish Mid channel SAR data for Antenna A in Dell and IBM hosts.

Ans. Per our reply in Q#9, 10, the SAR value in Acer host was the worst case and since the value of mid channel of antenna A in Acer host was lower than 0.8W/Kg, so it should be also lower than 0.8W/Kg when in IBM and Dell NB. So we think test can be skipped.

12. All tabular listings in SAR report show Channel 6 regardless of frequency. Please make necessary corrections.

Ans. Sorry, it is typing error and has been revised.

13. Page 21 and 22 of SAR report, please explain whether EUT is plugged into the bottom PCMCIA slot or provide photo showing which slot.

Ans.: The slot EUT plugged in is PCMCIA card slot, and other one is another type though they look similar. Please refer to the attach file for the slot-photo 1,2,and 3.

14. Page 23 and 24 of SAR report, spacing in photos and tabular listing are inconsistent. Plesae make necessary corrections.

Ans. Sorry, it is typing error and has been revised.

15. Page 28 of SAR report, two thermometers show cal due in year 2014. Please make necessary corrections.

Ans.: It's 10 year a time, and please refer to attached file for the calibration report of Thermometer.

16. Please provide Probe Calibration file.

Ans. Please refer to attached file for the probe calibration file.

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.

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