

FW Non-Conformities FCC ID R940 7 2 0 0 4 (Ref # E04-000084-1).txt
From: Todd Seeley [todd@ialabs.com]
Sent: Wednesday, September 22, 2004 12:17 PM
To: 'Randal Clark'
Subject: FW: Non-Conformities FCC ID: R940 7 2 0 0 4 (Ref # E04-000084-1)

Importance: High

Randy:

Please see the email string below.

Thanks,
Todd Seeley
Principal Engineer
Direct Phone: (303) 402-5272
Email: Todd@IALabs.com

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

From: Todd Seeley [mailto:todd@ialabs.com]
Sent: Friday, September 17, 2004 1:32 PM
To: 'info@ckccertification.com'
Cc: 'Todd Seeley'
Subject: RE: Non-Conformities FCC ID: R940 7 2 0 0 4 (Ref # E04-000084-1)
Importance: High

Randy:

Please see my comments below.

I will be uploading the report.

Thanks,
Todd Seeley
Principal Engineer
Direct Phone: (303) 402-5272
Email: Todd@IALabs.com

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immediately. Thank you.

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

From: info@ckccertification.com [mailto:info@ckccertification.com]

Sent: Wednesday, September 15, 2004 11:25 PM

To: todd@ialabs.com

Subject: Non-Conformities FCC ID: R940 7 2 0 0 4 (Ref # E04-000084-1)

Non-Conformities FCC ID: R940 7 2 0 0 4 (Ref # E04-000084-1)

The items listed below represent requests for information following review of this application. Further question may arise pending review of responses to these items.

Item 1. Equipment class DTS is not applicable to this product. DTS is reserved for equipment under 15.247. It appears that equipment class DXT is more appropriate, please confirm.

***** I agree. I did not select the correct code. *****

Item 2. Frequency range indicated on form 731 indicates a multi channel equipment. If this device is a single channel device, please indicate center frequency of transmitter.

***** Randy... it is a single channel device. I made a mistake in filling out the 731 form. The frequency should not have a range but a single freq. Sorry for the inconvenience *****

Item 3. There is no supporting test equipment for testing performed below 30MHz. Please provide test equipment used for this frequency range.

*****The report has been updated to reflect the Magnetic Loop Antenna used to test below 30MHz*****

Item 4. Some measurements reported indicate QP readings. Test equipment list in test report does not list QPA. Please clarify.

*****I have added and updated the equipment list to reflect the 8594EM that was utilized for the 30-1000MHz testing for the QP measurements*****

Item 5. Please include all frequencies used for each block in the block diagram including the tuning range(s) and intermediate frequency(ies).

**** I am requesting that from the client. I will upload it ASAP*****

Item 6. The internal photos provided are do not clearly show adequate detail of the circuitry of the product. Occasionally, this is due to the photo's inclusion into a document and resizing. Please provide internal photos showing clear detail of the PCB.

**** that is the reason why they are not clear enough. I will upload them separately.*****

Item 7. Please include a description of peripherals used during testing.

***** The EUT was connected to a computers USB port and the test setup during part 15.209 represented that of a class B setup per ANSI 63.4. After that testing was completed, the computer was removed from the field to complete the intentional emissions testing of the product.

Item 8. EUT support structure used for testing appears to be a wooden block. Such material has been known to be a good RF absorber; please confirm

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whether emissions increase using non-conductive foam support structure.
Provide updated test data where necessary.

***** You are very correct on that fact. However, we always take measurements with and without any support utilized during testing for the fact that we have observed RF absorption as well in colored plastics and foam due to the metal in the coloring. During the preliminary support testing, it is verified that there is no effect on the intentional emissions testing due to the support. We did not use a foam support though we did make sure that the wooden block would not effecting the testing. *****

All Best,
Randal Clark
CKC Certification Services.

The items indicated above must be submitted before processing can continue on the referenced application. Failure to provide the requested information within 60 days may result in application dismissal pursuant to Section 2.917(c) and forfeiture of the filing fee pursuant to Section 1.1106.