

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

From: Caroline Yu [mailto:cyu@proxim.com]

Sent: Friday, September 30, 2005 6:46 PM

To: Roland Gubisch ES-Box

Cc: Terre Wolak ES-Atl

Subject: RE: TCB certification application FCC ID: HZB-L49U24U50

Roland:

Please see my response to your questions in the following:

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

From: Roland Gubisch ES-Box [mailto:roland.gubisch@intertek.com]

Sent: Friday, September 30, 2005 1:48 PM

To: Caroline Yu

Cc: Terre Wolak ES-Atl

Subject: TCB certification application FCC ID: HZB-L49U24U50

Dear Caroline,

I received your voicemail message. Unfortunately the Grant cannot be issued immediately, but the issues that remain to be addressed are defined and are given below:

ADMINISTRATIVE

(1) The FCC ID on the Confidentiality request letter does not match the current application. Please revise and re-submit.

Sorry for the oversight. Please see the attached corrected letter.

<<Confidentiality.pdf>>

(2) Please review and comment on the label art. The EUT is large compared with the FCC's criterion for absence of 15.19(a)(3) wording, even though the criterion is not precise.

As we discussed over the phone, we'll not do the FCC info on the label, but rather put it in our manual. There has been a number of prior approvals with the same box size, so this approach should be fine.

(3) The technical description refers to FCC ID IXM... and not the current number, nor does it appear to refer to 4.9 GHz operation. Is there a more relevant description of the device operation in this band?

I'll re-draft this and send it to you in a separate email.

(4) Use of the 4.9 GHz band must be related to Public Safety operations, see 90.1203(b) and 90.15. Is it appropriate do mention this in the User Guide?

As we discussed over the phone, we'll market the product models with the 4.9GHz band transmitters only to the public safety customers, not to the general customers. So it should not be of a concern. We can add the info to our manual, nevertheless, at a later time.

(5) Use of the 4.9 GHz band is subject to licensing, per 90.1207. Is it appropriate to mention this in the User Guide?

Same as the response with number 4.

(6) In order to complete a composite certification for the 2.4 GHz and 5 GHz Part 15 functions, we will need all of the exhibits previously submitted for the FCC ID: IXM... We have been unable to download these from the FCC website consistently. Please provide these exhibits, which I listed previously to you by email on 9-21-05. The exhibits for the 15C and 15E applications are identical, so only one set is needed.

The documents I submitted on test reports from ADT is the entire report of the IXM application. The device is of identical hardware design and as a result the same schematics. The manual that I newly submitted includes all models, so it will overwrite the manual submission of the IXM application.

TECHNICAL

(1) Form 731 lists necessary bandwidths of 4.9, 10.8 and 23 MHz. Section 90.1215 specifies a largest channel of 20 MHz. Each of the emissions documented in the test report shows compliance with the respective 5, 10 and 20 MHz low-power masks. I suggest that the Form 731 emissions designators be amended to 5M00W7D, 10M0W7D and 20M0W7D. Do you agree?

Yes. Thanks very much for your suggestion. Please help to make modification on the file I submitted to you on this. Thanks again!

(2) Cannot find information per 2.1033(c)(8) DC voltage and current into final RF stage; please indicate where this is located, or provide.

I'll provide you the needed info shortly afterwords.

(3) Cannot find information per 2.1033(c)(9) tune-up procedure; please indicate where this is located, or provide.

In the user's manual, channel and power selection methods are provided in detail. As a result, I didn't submit a separate document

(4) Spurious radiated emissions per 2.1053 must be measured by the substitution method in TIA-603-B, for each emission within 20 dB of the regulatory limit. A limit of -40 dBc corresponds to $18.5-40 = -21.5$ dBm. This is 76 dBuV/m at 3m. Emissions higher than 56 dBuV/m must be re-measured by the substitution method. Please consult with the test laboratory on this to discuss and respond.

I talked to Mike Heckrotte and his immediate answer after looking up the report is that he'd need to do added test. I've requested immediate action and update of the test report, and I'll send you the final report ASAP.

Certification can proceed when these issues have been addressed.

Thank you,
Roland