

Chris Harvey

From: 〇〇〇 [cgyloves@hct.co.kr]
Sent: Wednesday, November 05, 2008 9:45 PM
To: Chris Harvey; 'Chris Harvey(CCS)'
Cc: '〇 〇 〇 〇 \\\(HCT\)' ; '〇〇〇 \\\(SJLEE\)'
Subject: Re: MTI Co., Ltd., FCC ID: SQD-RF25-MWM101, Assessment NO.: AN08T8524, Notice#1
Attachments: ATT.F Internal Photos_Rev1.pdf; Short-term Confidentiality Letter-RF25-MWM101_1.pdf

Dear Mr. Harvey,

Thank you for your corporation.

Here is the answer for your comments.

1. The FCC has a policy to require that the exhibits submitted for a TCB application must be signed by the contact of record at the FCC, who is Hong Sup Byun , Director for MTI. The letters submitted have been signed by Hoyoung Lee, Manager. Please either change the contact person on file with the FCC or submit letters signed by Hong Sup Byun or submit a letter of authorization from Hong Sup Byun to Hoyoung Lee.

-> I've request to FCC for change from Hong Sup Byun to Hoyoung Lee.

2. The Internal Photos exhibit submitted in this application has some internal photos and many PCB component and layer layout drawings. Please provide a replacement Internal Photos exhibit that shows the internal construction and cabling, and each side of all PCB's and modules, including the removal of RF Shields.

-> Please kindly check the attachment "ATT.F Internal Photos_Rev.1.pdf"

3. The Short Term Confidentiality request includes the Users Manual, but does not list the Tune-Up Procedure exhibit, which is extracted from the Users Manual. Please confirm that the Tune-Up procedure does not need Short-Term Confidentiality or revise the Confidentiality Request letter to include the Tune-Up Procedure exhibit in the STC.

->Please kindly check the attachment "Short-term Confidentiality Letter-RF25-MWM101_1.pdf"

4. The Test Report lists a 3dBi gain antenna for the MPE calculation, but this is not specified anywhere else in the application. The Grant will therefore include a comment that RF Exposure will be addressed at the time of licensing of this professionally installed device.

-> MTI was accept about this, please keep going.

5. Please provide a justification for the 9M16G7W Emission Designator, including a description of each of the G7W characters of the modulation descriptor. Please see the FCC Repeater/Amplifier guide to properly classify this device

(<http://fjallfoss.fcc.gov/oetcf/kdb/forms/FTSSearchResultPage.cfm?id=20673&switch=P>) .

-> Please kindly wait for this. ;)

Thank you & Best Regards,
(Ms.)GYE-YOUNG CHA --- EMC Part
HCT Co., Ltd.
San 136-1, Ami-ri, Bubal-eup, Icheon-si,
Kyoungki-do, Korea 467-701
TEL : (82-31)639-8539 FAX : (82-31)639-8525

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

From: [Chris Harvey](#)

To: '[\[REDACTED\]](#)' ; 'Chris Harvey(CCS)'

Cc: '[\[REDACTED\]\\(HCT\)'](#) ; '[\[REDACTED\]\\(SJLEE\)'](#)'

Sent: Tuesday, November 04, 2008 9:40 PM

Subject: RE: MTI Co., Ltd., FCC ID: SQD-RF25-MWM101, Assessment NO.: AN08T8524, Notice#1

Dear Gye Young Cha,

I will address your additional questions here:

4. If the 3dBi antenna is always provided with the device then please provide the antenna specification sheet. If the antenna is selected by the network operator then the following comment will be used Grant:

"RF exposure compliance must be addressed at the time of licensing, as required by the responsible FCC Bureau(s), including antenna co-location requirements of §1.1307(b)(3)."

5. The FCC Repeater/Amplifier guide defines different kind of devices and the testing and approval information. From the Block Diagram it appears that this device has amplifiers and mixers, but does not generate the modulation. It appears not to have frequency translation (same frequency in and out). If this is the case, then the Equipment Class would be AMP and Emission Designator field for the FCC would be just the 3-character Modulation descriptor. Please confirm if there is frequency translation and/or modulation creation in this device.

Also, FCC 2.201 is used to determine the 3-character modulation classification. The Code G7W is defined as:

—Phase modulation	G
Two or more channels containing quantized or digital information	
.....	7
Combination of the above	W

Please use FCC 2.201 information and confirm that this modulation classification is correct for this device.

Best regards,

Chris Harvey
charvey@ieee.org
410-750-0860

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

From: [mailto:cgyloves@hct.co.kr]
Sent: Tuesday, November 04, 2008 12:39 AM
To: Chris Harvey; Chris Harvey (CCS)
Cc: [REDACTED] \ (HCT\); [REDACTED] \ (SJLEE\)
Subject: Re: MTI Co., Ltd., FCC ID: SQD-RF25-MWM101, Assessment NO.: AN08T8524, Notice#1

Dear Mr. Harvey,

Thank you for your corporation.

I have a question about your comments.

4. The Test Report lists a 3dBi gain antenna for the MPE calculation, but this is not specified anywhere else in the application. The Grant will therefore include a comment that RF Exposure will be addressed at the time of licensing of this professionally installed device.

-> It means, do you need the Antenna Certification?

5. Please provide a justification for the 9M16G7W Emission Designator, including a description of each of the G7W characters of the modulation descriptor. Please see the FCC Repeater/Amplifier guide to properly classify this device

(<http://fjallfoss.fcc.gov/oetcf/kdb/forms/FTSSearchResultPage.cfm?id=20673&switch=P>).

-> The G7W is for KCC, Korea certificate, is there another mark for WiMax?

Please advise.

Thank you.

(Ms.) GYE-YOUNG CHA --- EMC Part
HCT Co., Ltd.
San 136-1, Ami-ri, Bubal-eup, Icheon-si,
Kyoungki-do, Korea 467-701
TEL : (82-31) 639-8539 FAX : (82-31) 639-8525

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

From: "[REDACTED] (SJLEE)" <sjlee@hct.co.kr>

To: "□ □□ □□(HCT)" <cschoi@hct.co.kr>; "□ □□ □□(HCT)" <jinhan1189@hct.co.kr>; "□ □□ □□(HCT)" <kkdy555@hct.co.kr>; "□ □□(HCT)" <hskwak@hct.co.kr>; "□ □□ □□(HCT)" <jaesang@hct.co.kr>; "□ □□ (HCT)" <kimssam@hct.co.kr>
Cc: "□ □□(HCT)" <cgyloves@hct.co.kr>
Sent: Monday, November 03, 2008 9:46 AM
Subject: Fw: MTI Co., Ltd., FCC ID: SQD-RF25-MWM101, Assessment NO.: AN08T8524, Notice#1

> COMMENT □□□□□.....
>
>
> ----- Original Message -----
> From: <charvey-tcb@ccsemc.com>
> To: <sjlee@hct.co.kr>
> Cc: <charvey-tcb@ccsemc.com>; <lucy.tsai@ccsemc.com>
> Sent: Saturday, November 01, 2008 2:23 AM
> Subject: MTI Co., Ltd., FCC ID: SQD-RF25-MWM101, Assessment NO.: AN08T8524, Notice#1
>
>
>> Dear SJ Lee,
>>
>> You are listed as the Technical Contact for the above referenced TCB application.
The following item(s) need(s) to be resolved before the review can be continued:
>>
>> 1. The FCC has a policy to require that the exhibits submitted for a TCB application must be signed by the contact of record at the FCC, who is Hong Sup Byun , Director for MTI. The letters submitted have been signed by Hoyoung Lee, Manager. Please either change the contact person on file with the FCC or submit letters signed by Hong Sup Byun or submit a letter of authorization from Hong Sup Byun to Hoyoung Lee.
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>>
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>> 5. Please provide a justification for the 9M16G7W Emission Designator, including a description of each of the G7W characters of the modulation descriptor. Please see the FCC Repeater/Amplifier guide to properly classify this device
(<http://fjallfoss.fcc.gov/oetcf/kdb/forms/FTSSearchResultPage.cfm?id=20673&switch=P>).
>>
>> 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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>> Best regards,
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>> Chris Harvey

>> Charvey-tcb@ccsemc.com
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