

Chris Harvey

From: □□□ [cgylives@hct.co.kr]
Sent: Tuesday, April 21, 2009 2:53 AM
To: Lucy Tsai(CCS); Chris Harvey; Chris Harvey(CCS)
Cc: □□□□□(HCT); □□□□□(HCT)
Subject: Fw: GS Instruments Co., Ltd., FCC ID: U88GRS-825DM-BC, Assessment NO.: AN09T9094, Notice#1
Attachments: GRS-825DM-BC_ATT.E_Manual.pdf; GRS-825DM-BC_ATT.A_label.pdf

Dear Mr. Harvey,

Thank you for your cooperation.

As your questions, our answers as following blue letter for your comments.

Please let me know once you have any further questions.

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: <charvey-tcb@ccsemc.com>
> To: <sjlee@hct.co.kr>
> Cc: <chris.harvey@ccsemc.com>; <lucy.tsai@ccsemc.com>
> Sent: Monday, April 20, 2009 11:01 PM
> Subject: GS Instruments Co., Ltd., FCC ID: U88GRS-825DM-BC, Assessment NO.: AN09T9094, Notice#1

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>
>> 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 manual seems to indicate that there is a possible collocated wireless modem in this device. Please address this possible co-location of transmitters in this device.

-> The modem is for emergency.

When the repeater has a problem, the modem make a call to in charge of the repeater.

The modem got the FCC Certificate(FCC ID: O9EQ2438F-M)

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>> 2. The Users Manual indicates that the antenna gain should not exceed 12db (does not indicate if this is dBi or dBd) but the RF Exposure MPE calculation only calculates the 20cm safe distance using a 7dBi antenna gain. The manual should not recommend using an antenna gain any larger than the MPE calculation. If the manual is corrected to indicate 7dBi the following note will be placed on the Grant:

>> "Repeater. Power output is maximum single channel conducted. Professional installation is required. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. Approval is for maximum gain 7 dBi antenna as shown in this filing. Installations with higher gain or co-located antennas require RF exposure to be addressed at the time of licensing, as required by the responsible FCC Bureau(s), including antenna co-location requirements of 2.1307(b)(3)."

-> The antenna gain is 7dBi. I've add the User Manual that end of the page about the 12dB.

The 12dB is not for antenna gain, it is gain for cable loss for Antenna to Repeter.

Please see the attachment for new manual.

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>> Please note that the label exhibit supplied for the TCB application also contains an Industry Canada IC number, but the number does not fit the required format of RSS-GEN Issue 2 Section 5.2, Equipment Labels (the IC Number submitted has an extra '-').

-> Thank you for your information. I've attached the new label. Please kindly check it.

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>> Please also note that I have added the first '-' in the FCC ID as entered onto the online application form, since all of the application documents have FCC ID: U88-GRS-825DM-BC. Please notify me if this is not correct.

-> You're correct. The FCC ID: U88-GRS-825DM-BC. Thank you for your checking.

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>> 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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