

Chris Harvey

From: louqinchao [qc.lou@morlab.cn]
Sent: Thursday, August 14, 2008 4:46 AM
To: 'Chris Harvey'
Cc: sliao@metlabs.com; 'Stanford LIAO'; 'Jennifer Sanchez'; jwarnell@metlabs.com
Subject: □□: Additional Information needed for FCC ID: VR2AV110, MT#81063
Attachments: AV100 new document.rar

Dear Mr. Harvey

The Calcom have revised the user manual. Following are the list of revising item.

1 Removed the **When using any data feature of the mobile phone, with or without an accessory cable, position the mobile phone and its antenna at least 2.5 centimeters (1 inch) from your body.**± from the manual. (Question#1)

2 Removed the HAC information from the manual. (Question#6)

3 **USB Interface**

USB connector is equipped only for charger input. Please see the AV100 Operation Description in the attached document.

(Question#2)

4 added the statement (Question#4: page 6 in user manual)

5 Removed **The Users Manual SAR compliance information on page 2.** (Question#7)

The USB port is only for connection to a charger .So I think the Part 15-B test report is ok for this device.(Question#3)

I have revised the RF Test Report. (Question#9:)

Now I have replied all questions.

If there are mistake and question please contact me immediately Thank you.

(please see the attached AV100 new document)

qc.Lou

A;CB³~

Test Engineer

MORLAB

:::CCC©ªCE©ªFCC©ªRoHS©ªGCFCªUL©ªOTA©ªTELEC©ªBluetooth:::

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·¢¼pÈÈ: Chris Harvey [mailto:charveyemc@gmail.com] ´ú±í Chris Harvey

·¢ÈÈ±¼ä: 2008Äè8ÖÂ13ÈÖ 19:22

ÈÖ¼pÈÈ: 'louqinchao'

³ÈÍ: sliao@metlabs.com; 'Stanford LIAO'; 'Jennifer Sanchez'; jwarnell@metlabs.com

Ö÷Îâ: RE: Additional Information needed for FCC ID: VR2AV110, MT#81063

Dear QC Lou, I see that the new plots currently show the 26dB BW, not the 99% BW. The Emission Designator listed on the new Form 731 is 1M25F9W, which represents 1.25MHz Necessary Bandwidth, which is typical for the CDMA signals. The measurements in the report should confirm this 1.25MHz necessary Bandwidth (the FCC uses the 99% BW measurements to determine the Necessary Bandwidth). Please provide the 99% BW measurements.

Best regards,

8/15/2008

Chris Harvey

From: louqinchao [mailto:qc.lou@morlab.cn]
Sent: Tuesday, August 12, 2008 8:30 PM
To: 'Chris Harvey'
Cc: sliao@metlabs.com; 'Stanford LIAO'; 'Jennifer Sanchez'; jwarnell@metlabs.com
Subject: 'ð,': Additional Information needed for FCC ID: VR2AV110, MT#81063

Dear Mr. Harvey

I have answered the questions # 9 in The RF Test Report. Please check it. Can not you see the Updated RF Test Report?

qc.Lou

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Test Engineer

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·ç¼pÈÈ: Chris Harvey [mailto:charveyemc@gmail.com] ´ú±í Chris Harvey

·çÈÊ±¼ä: 2008Äê8ÔÂ12ÈÕ 23:13

ÊÕ¼pÈÈ: 'louqinchao'

³ÈÍ: sliao@metlabs.com; 'Stanford LIAO'; 'Jennifer Sanchez'; jwarnell@metlabs.com

Ö÷Ìä: RE: Additional Information needed for FCC ID: VR2AV110, MT#81063

Dear QC Lou, of the 10 questions asked I only see that questions # 5, #8 and #10 have been closed. All other questions remain unanswered. Please respond to all questions together as it is very difficult to keep track of multiple partial answers.

Best regards,

Chris Harvey

From: louqinchao [mailto:qc.lou@morlab.cn]
Sent: Monday, August 11, 2008 9:45 PM
To: 'Chris Harvey'
Cc: charveyemc@gmail.com; sliao@metlabs.com; 'Stanford LIAO'
Subject: 'ð,': Additional Information needed for FCC ID: VR2AV110, MT#81063

Dear Mr. Harvey

Thank you for you e-mail

Are the document and reports that I provided yesterday OK?

qc.Lou

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Test Engineer

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•ç¼pÈÈ: Chris Harvey [mailto:charveyemc@gmail.com] ´ú±í Chris Harvey
•çÈÈ±¼ä: 2008Äè8ÔÂ12ÈÕ 9:42
ÈÕ¼pÈÈ: 'louqinchao'
³ÈÍ: charveyemc@gmail.com; sliao@metlabs.com; 'Stanford LIAO'
Ö÷Ìâ: RE: Additional Information needed for FCC ID: VR2AV110, MT#81063

Dear QC Lou, HAC Compliance Data means all required test data, measurement report, test setup photographs, validation data, and calibration information for Probes and Dipoles for HAC compliance in accordance with ANSI C63.19:2006 or 2007.

Best regards,

Chris Harvey

From: louqinchao [mailto:qc.lou@morlab.cn]
Sent: Monday, August 11, 2008 9:18 PM
To: 'Chris Harvey'
Cc: charveyemc@gmail.com; sliao@metlabs.com; 'Stanford LIAO'
Subject: ´ð,´: Additional Information needed for FCC ID: VR2AV110, MT#81063

Dear Mr. Harvey

Question#6: Question#6: HAC is not compulsory. However, if you have HAC information in the manual then you must submit the HAC compliance information. If you do not provide [HAC compliance data](#), then you must remove the HAC information from the manual.

I want to know [HAC compliance data meaning?](#) If I provide a statement that HAC compliance with the HAC standard?

qc.Lou

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Test Engineer

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•ç¼pÈÈ: Stanford LIAO [mailto:metlabs.sz@gmail.com]
•çÈÈ±¼ä: 2008Äè8ÔÂ11ÈÕ 22:14
ÈÕ¼pÈÈ: qc.lou@morlab.cn
³ÈÍ: charveyemc@gmail.com; sliao@metlabs.com
Ö÷Ìâ: FW: Additional Information needed for FCC ID: VR2AV110, MT#81063

fyi...

From: Chris Harvey [mailto:charveyemc@gmail.com] **On Behalf Of** Chris Harvey
Sent: 2008Äè8ÔÂ11ÈÕ 21:58
To: 'Stanford LIAO'; charveyemc@gmail.com
Cc: qc.lou@morlab.cn; sliao@metlabs.com; 'Jennifer Sanchez'; 'Jenn Warnell'
Subject: RE: Additional Information needed for FCC ID: VR2AV110, MT#81063

8/15/2008

Dear Stanford Liao,

Question#4: Since the FCC will only allow the label of a small handheld device to be located inside the battery compartment when the User sees the label BEFORE the first use, the manufacturer must have the user install the battery themselves. We need a signed statement from the manufacturer that the device is shipped to the user with the battery removed, requiring the user to install the battery, and therefore the user can see the label before the first use.

Question#6: HAC is not compulsory. However, if you have HAC information in the manual then you must submit the HAC compliance information. If you do not provide HAC compliance data, then you must remove the HAC information from the manual.

Please be sure to provide a single response to address all items. Providing several responses is difficult to ensure that all items are addressed.

Best regards,

Chris Harvey

From: Stanford LIAO [mailto:metlabs.sz@gmail.com]
Sent: Monday, August 11, 2008 9:44 AM
To: charveyemc@gmail.com
Cc: lqc.lou@morlab.cn; sliao@metlabs.com
Subject: FW: Additional Information needed for FCC ID: VR2AV110, MT#81063


Dear Charvey,

Client have some questions on the point 4:

What is the Label Description? You means the contents on the label would be stated on the manual?

and Point 6:

According client's understanding, HAC testing is not compulsory, is it right?

 Regards,
Stanford LIAO

MET Laboratories, Inc., Shenzhen Office--Sales Manager
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- Military/Environmental££¼üÊÂ£- »·³µÄ²áÊÖÊÏÖ

We are consistently reputable for creating value to our honored clients globally

From: louqinchao [mailto:qc.lou@morlab.cn]

Sent: 2008/8/11 12:38

To: 'Stanford LIAO'

Subject: x-ø: Additional Information needed for FCC ID: VR2AV110, MT#81063

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4. Since the label is to be located in the Battery compartment, as is typical with handsets, please provide a statement as to how the battery will be visible by the user before the first use.

ÔÂ,öthe label ÊÇÖ,Ê²Ä´£¿ÔÛUser manual ÒÑ¾ÓÐ³ÄÊöÁË;£

6. The Users Manual includes Hearing Aid Compatibility information; however, no HAC compliance test report has been submitted with this application. If this device is not HAC compliant, please remove the HAC information from the manual. If this device is HAC compliant, please submit the HAC compliance documentation.

HAC °ÄÎ²»ÊÇFCCC¿ÖÆµÄ²âÊÖ£-Ôâ,öÎÊÎÊÇ²»ÊÇ²»ÓÄ»Ø´ð£¿

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qc.Lou

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Test Engineer

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·ç¼pÊÊ: Chris Harvey [mailto:charveyemc@gmail.com] ´ú±í Chris Harvey

·çÊÊ±¼ä: 2008/8/8 19:26

ÊÖ¼pÊÊ: qc.lou@morlab.cn

³ÊÍ: 'Jenn Warnell'; jsanchez@metlabs.com

Ö÷îâ: Additional Information needed for FCC ID: VR2AV110, MT#81063

Dear QC Lou,

You are listed as the technical contact for the above referenced MET TCB Application. The following items need to be addressed before the review can be continued:

1. The Users Manual states:

¿°When using any data feature of the mobile phone, with or without an accessory cable, position the mobile phone and its antenna at least 2.5 centimeters (1 inch) from your body.¿±

However, you have indicated that the USB port is only for charging. Please explain this reference to an Accessory Cable (for data) in the User¿s Manual.

2. The Schematic Diagram shows the circuitry for the USB Mini-B port that contains USB ID and Data lines/pins. Please explain the use of these pins/lines for a port that is only used for charging.

8/15/2008

3. You have included the FCC 15-B Digital Device compliance report in this application. You have also indicated that the USB port is only for connection to a charger (this conflicts with the statement in the manual). If this is correct then Digital Device portions is only subject to FCC Class B Verification and this test report is not needed for this Cell/PCS approval. I have not reviewed the 15-B test report for compliance and will remove this exhibit from this application.
4. Since the label is to be located in the Battery compartment, as is typical with handsets, please provide a statement as to how the battery will be visible by the user before the first use.
5. This application has been submitted for Cal-Comp Electronics by Shanghai Morlab, but in order for an agent to submit an application there must be a signed letter of authorization from the applicant. Please submit a completed and signed letter of authorization from Cal-Comp Electronics to Shanghai Morlab.
6. The Users Manual includes Hearing Aid Compatibility information; however, no HAC compliance test report has been submitted with this application. If this device is not HAC compliant, please remove the HAC information from the manual. If this device is HAC compliant, please submit the HAC compliance documentation.
7. The Users Manual SAR compliance information on page 2 of 31 has X_i^- s in the place of the SAR values and FCC ID, even though pages 20-22 also have some SAR information. Since this information is being supplied in the manual, it must be correct. Please update the Manual to clearly include the FCC ID number and the SAR values.
8. Page 5 of 40 of the RF test report and 2 of 79 of the SAR Report indicates that this device transmits in the 1710 ~C 1755 MHz band. Please correct these exhibits.
9. The RF Test Report exhibit states that the 99% BW is measured, but the data reflects the 20dB BW. The FCC uses the measured 99% BW for the emission designator. Please provide data for the 99% Occupied Bandwidth.
10. the Form 731 submitted with this application did not contain the Frequency Tolerance or Emission Designator fields completed for either the Cellular or PCS bands. Please submit a completed Form 731.

Please provide a single reply to address all of the items above.

Best regards,

Chris Harvey
charvey@ieee.org