

## **Chris Harvey**

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**From:** Chris Harvey  
**Sent:** Thursday, October 23, 2003 1:37 PM  
**To:** 'alice\_wong'; Chris Harvey  
**Cc:** EED - Choy, Kitty; K C Lee@hkstc; Marianne Bosley  
**Subject:** RE: TCB Application FCC ID: RA5PGCHF01 MT#14533

Alice, the response satisfies all but one of the remaining open issues with this application.

There is a problem with the Grantee Code RA5. This Grantee Code does not exist in the FCC database, which means that the FCC ID is not valid. Is it possible that the Grantee Code was filed for, but the fee was never paid?

From earlier, the Label submitted contains the statement required by FCC 15.19. However the label location has a different formatted label, which does not incorporate the 15.19 statement. Based on the size of the device you can request that the 15.19 statement be located in the Users Manual. Please be sure that the label, label location and Users manual information are consistent, and that if you wish to place the 15.19 statement in the Users Manual, that you submit a request to do this based on the small physical size of the EUT. This still needs to be addressed.

Please note, the following statement in FCC 15.215, which is stated as a recommendation and not a requirement: If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

The operation at 88.04MHz with a 67.5kHz bandwidth does not meet this recommendation, although this does not violate the regulation. Please forward this information to the manufacturer so they can develop future products with this in consideration.

We will await a response to these issues.

Best regards,

Chris Harvey

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

From: alice\_wong [mailto:alice\_wong@hkstc.com]  
Sent: Wednesday, October 22, 2003 10:46 PM  
To: charvey@metlabs.com  
Cc: EED - Choy, Kitty; K C Lee@hkstc  
Subject: TCB Application FCC ID: RA5PGCHF01 MT#14533

Dear Chris,

During the test, we would use cassette player with 1KHz tape and adjust to max. volume. besides, try different sound (very loud) to take the worst result (widhest)

Another, client have update the user manual again. (Frequency 88MHz), please see attached file. Thanks

Best Regards

Alice

>>  
>> ----- Original Message -----  
>> From: <CHarvey@metlabs.com>  
>> To: <alice\_wong@hkstc.com>; <CHarvey@metlabs.com>  
>> Cc: <MBosley@metlabs.com>; <kitty\_choy@hkstc.com>  
>> Sent: Friday, October 17, 2003 6:20 PM  
>> Subject: RE: TCB Application FCC ID: RA5PGCHF01 MT#14533  
>>  
>>  
>>> Alice, the questions were not answered. You have submitted a new  
>> bandwidth  
>>> plot but not answered the question of how the device was modulated  
(was  
> it  
>>> with a loud voice or signal generator, what frequency tone, what  
>>> level  
> of  
>>> tone). You submitted a label with FCC ID: PG-CHF-01 (I think this  
>>> is  
> the  
>>> model number, not the FC ID number), when the original application  
>>> was  
> for  
>>> FCC ID: RA5PGCHF01. You re-submitted the Users manual listing  
>>> both  
> 88.MHz  
>>> and 105.55MHz in section 1.b, when you have stated that the device  
only  
>>> operates at 88.04MHz.  
>>>  
>>> It appears that each of the questions is still unanswered. Please  
> address  
>>> these questions so this application can be completed.  
>>>  
>>> Best regards,  
>>>  
>>> Chris Harvey  
>>>  
>>> -----Original Message-----  
>>> From: alice\_wong  
>>> To: CHarvey@metlabs.com  
>>> Cc: mbosley@metlabs.com; EED - Choy, Kitty  
>>> Sent: 10/17/2003 6:03 AM  
>>> Subject: Re: TCB Application FCC ID: RA5PGCHF01 MT#14533  
>>>  
>>> Dear Chris,  
>>>

>>> Please see attached file for revised FCC Label, Manual & bandwidth  
>>> (is that ok?). If have any question, please let me know.

>>>  
>>> Thanks & Have a nice day

>>> Best Regards

>>> Alice

>>>

>>>

>>> ----- Original Message -----

>>> From: CCharvey@metlabs.com <mailto:CCharvey@metlabs.com>  
>>> To: alice\_wong@hkstc.com <mailto:alice\_wong@hkstc.com> ;  
>>> MBosley@metlabs.com <mailto:MBosley@metlabs.com>  
>>> Cc: CCharvey@metlabs.com <mailto:CCharvey@metlabs.com> ;  
>>> kitty\_choy@hkstc.com <mailto:kitty\_choy@hkstc.com>  
>>> Sent: Tuesday, October 14, 2003 7:30 PM  
>>> Subject: RE: TCB Application FCC ID: RA5PGCHF01 MT#14533

>>>

>>> Alice thank you for this information. I am still waiting for  
>>> Modulation/bandwidth information and the Label information from my  
>>> original e-mail below. Please review the original e-mail and

>>> respond

to

>>> those 2 items so the application review can be completed. Please  
>>> contact me if you have any further questions.

>>>

>>> Best regards,

>>>

>>> Chris Harvey

>>> -----Original Message-----

>>> From: alice\_wong [mailto:alice\_wong@hkstc.com]  
>>> Sent: Monday, October 13, 2003 10:56 PM  
>>> To: mbosley@metlabs.com <mailto:mbosley@metlabs.com>  
>>> Cc: charvey@metlabs.com <mailto:charvey@metlabs.com> ; EED - Choy,  
Kitty

>>> Subject: Fw: TCB Application FCC ID: RA5PGCHF01 MT#14533

>>>

>>>

>>> Hi Marianne,

>>>

>>> We confirm customer is apply TX only.

>>> EUT is fixed frequency on 88.04 MHz.

>>>

>>> Best Regards

>>> Alice

>>>

>>> ----- Original Message -----

>>> From: alice\_wong <mailto:alice\_wong@hkstc.com>  
>>> To: M K Law <mailto:mankit\_law@hkstc.com>  
>>> Sent: Tuesday, October 14, 2003 9:08 AM

>>> Subject: Fw: TCB Application FCC ID: RA5PGCHF01 MT#14533

>>>

>>> Dear Kit,

>>>

>>> Please confirm this job HM110795 is transmitter only or  
>>> transceiver?

>>>

>>> Best Regards

>>> Alice

>>>

>>> ----- Original Message -----

>>> From: CCharvey@metlabs.com <mailto:CCharvey@metlabs.com>

>>> To: CCharvey@metlabs.com <mailto:CCharvey@metlabs.com> ;

>>> alice\_wong@hkstc.com <mailto:alice\_wong@hkstc.com>

>>> Cc: kitty\_choy@hkstc.com <mailto:kitty\_choy@hkstc.com> ;

>>> MBosley@metlabs.com <mailto:MBosley@metlabs.com>

>>> Sent: Monday, October 13, 2003 11:13 PM

>>> Subject: RE: TCB Application FCC ID: RA5PGCHF01 MT#14533

>>>

>>> Alice, I have one more question. One statement in the Users  
>>> Manual indicates that the Receiver will turn off after 45 minutes  
>>> to save battery. This application is for a transmitter only. Is  
>>> there a receiver that is approved separately, or is this device a  
>>> transceiver?

>>>

>>> Thank you,

>>>

>>> Chris Harvey

>>> -----Original Message-----

>>> From: Chris Harvey

>>> Sent: Monday, October 13, 2003 10:53 AM

>>> To: Alice Wong @ hkstc ( alice\_wong@hkstc.com

>>><mailto:alice\_wong@hkstc.com> )

>>> Cc: Kitty @ HKSTC EED - Choy ( kitty\_choy@hkstc.com

>>><mailto:kitty\_choy@hkstc.com> ); Marianne Bosley

>>> Subject: TCB Application FCC ID: RA5PGCHF01 MT#14533

>>>

>>>

>>> Alice and Kitty:

>>>

>>>

>>>

>>> The Users Manual for this device indicates that it can operate  
>>> from 88MHz to 105.5MHz, or a band of 17.5MHz. The test report  
>>> shows data  
for

>>> one operating frequency (88.04MHz). According to FCC Rule 15.33

>>> (m), Intentional radiators that operate/tune over more than 10MHz

>>> need to

be

>>> tested at 3 operating frequencies, one at the bottom of the band,

>>> one

at

>>> the center and one at the top of the band. Please provide data

>>> for compliance with FCC 15.239 (a) and (b) for the appropriate

>>> number of operating 'channels'. If this device only operates at 2

>>> channels then please submit the data for those 2 channels.

>>>

>>>

>>>

>>> Please describe more detail how this audio (FM) modulated device

>>> was modulated during the Bandwidth test to ensure that the maximum

bandwidth

>>> was captured in the plot, and how the EUT operating channel is  
changed.

>>>

>>>

>>>

>>> Additionally, the Label submitted contains the statement required

>>> by

FCC

>>> 15.19. However the label location has a different formatted

>>> label, which does not incorporate the 15.19 statement. Based on

>>> the size of the device you can request that the 15.19 statement be

>>> located in the Users Manual. Please be sure that the label, label

>>> location and Users manual information are consistent, and that if

>>> you wish to place the 15.19 statement in the Users Manual, that

>>> you submit a request to do this based on the small physical size

>>> of the EUT.

>>>

>>>

>>>

>>> Please submit the corrected information requested above so that

>>> the application review can be completed.

>>>

>>> Best regards,

>>> Chris Harvey

>>> EMC Lab Director

>>> MET Laboratories, Inc.

>>> 1-800-638-6057 x-310

>>>

>>>

>>> <<User manual(88MHZ) r1.pdf>> <<FCC ID Label.pdf>>

<<Bandwidth.pdf>>

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