

Tri Luu

From: "William Graff" <whgraff@americanTCB.com>
To: "Tri Luu" <tri@ultratech-labs.com>
Cc: "Masaaki Takahashi" <m-takahashi@icomamerica.com>
Sent: Thursday, October 30, 2003 4:14 PM
Attach: ATCB Comments 10292003 - CONFID.pdf; ATCB Comments 10272003.pdf
Subject: RE: Icom Marine Radio Comments

Dear Mr. Luu,

My apologies for not responding earlier. I took ill with an early cold/flu and was not able to complete my response to you until today.

Please be sure the requested documents are uploaded to the AmericanTCB.com website.

Thanks,

Bill

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 ~ William H. Graff, NARTE Certified  
 ~ President and Director of Engineering  
 ~ AmericanTCB, Inc.  
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 ~ McLean, VA 22101  
 ~ <mailto:whgraff@americanTCB.com>  
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-----Original Message-----

From: Tri Luu [mailto:tri@ultratech-labs.com]
 Sent: Tuesday, October 28, 2003 11:50 AM
 To: William Graff
 Subject: Re: Icom Marine Radio Comments

Hi Mr. Graff,

Please find our answers below about your comments:

- (1) The RF Exposure information is in the User Manual, and it was extracted and sent it to you on a separate file. Please attached. Yesterday I uploaded a revised test report with the revised MPE with 50% duty cycle, please also find it in the attachment.
- (2) Both G3E and G2B Emissions were included in the test reports. Can you

review them carefully to avoid time for us to answer all of the un-necessary questions.

(3) Thanks for your recommendation but we have never had any problems with FCC, IC and other FCC TCB for our way of doing.

(4) Thanks for your recommendation but we have never had any problems with FCC, IC and other FCC TCB for our way of doing.

(5) The measurements BW indicated in the conducted plots and our test procedures, Exhibit 8.2. Please review carefully to avoid un-necessary questions an answer which could delay the certification process.

(6) There is no way anyone can use 100 KHz RBW to measure the occupied BW. FCC recommendation is minimum 100 Hz RBW for 12.5 kHz Channel Spacing and minimum 300 Hz RBW for 25 KHz Channel Spacing. If we use 100 kHz RBW for measuring occupied bandwidth of a narrowband signal with OBW < 20 KHz, no radio can pass FCC Limits.

(7) Please refer to our test method in Exhibit 8 of the test report

(8) It is not necessary to list all channel frequency in the Users Manual since we know the lowest, highest frequencies of the band and the channel spacing. The channel frequency shall be known. Besides this is only a Technical Acceptance. The Frequency Assignment for regional application will be required Users' License.

(9) We will request for the Tuning Procedures from ICOM and provide it to you later

(10) We employ ANSI C63.4 as test procedure with cable arrangement specified in Figure 9(c)

Tri Luu, P.Eng.

Ultratech Engineering Labs Inc.

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

From: "William Graff" <whgraff@americanTCB.com>

To: <tri@ultratech-labs.com>

Sent: Monday, October 27, 2003 4:35 PM

Subject: Icom Marine Radio Comments

> Please see attached comments

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> ~~~~~

> ~ William H. Graff, NARTE Certified

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