

**revised manual: Tranzeo Wireless Technologies Inc. , FCC ID: QRF-QSFNYON3, Assessment NO.: AN08T7603, Notice#1** [Inbox](#)

★ from **Claire Hoque** <claire.hoque@ccsemc.com>

[hide details](#) 6:00 pm (2 minutes ago)



to Tim Dwyer - TCB <Timothy\_Dwyer@ieee.org>

cc "Timothy M. Dwyer" <tim.dwyer@ccsemc.com>,  
Susan Riman <susan.riman@ccsemc.com>

date Mar 7, 2008 6:00 PM

subject revised manual: Tranzeo Wireless Technologies Inc. , FCC ID: QRF-QSFNYON3, Assessment NO.: AN08T7603, Notice#1

Hi Tim,

Here is revised manual, pls let us know if you have any questions or not.

Thanks,

**Claire Hoque**

Compliance Certification Services

47173 Benicia Street

Fremont, CA 94538, USA

Tel: (510) 771-1123

Fax: (510) 661-0888

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

**From:** [rfspectrum@gmail.com](mailto:rfspectrum@gmail.com) [mailto:[rfspectrum@gmail.com](mailto:rfspectrum@gmail.com)] **On Behalf Of** Tim Dwyer

**Sent:** Thursday, February 28, 2008 3:32 PM

**To:** Claire Hoque

**Cc:** Timothy M. Dwyer; Susan Riman

**Subject:** Re: answer: Tranzeo Wireless Technologies Inc. , FCC ID: QRF-QSFNYON3, Assessment NO.: AN08T7603, Notice#1

Hi Claire,

I have reviewed the replies and revised documents and all items Q1-Q5 were resolved. However in addition to adding the statement requested in item Q2, the specified installation distance (page iii) was also changed. In the manual submitted initially the specified separation was 81 cm. It has been changed to 59 cm which is not acceptable. According to the test report, the minimum acceptable distance is 78.6 cm. Please revise the user manual to reflect a separation at least as large as in the test report.

Also, as information I notice that the IC RSS-GEN 7.1.5 statement has been removed from page iii of the user manual. If Tranzeo plans to submit an IC application for this product, provisions of RSS-GEN 7.1.4 and 7.1.5 will need to be met.

Best regards,

Tim Dwyer

Technical Reviewer

On Thu, Feb 28, 2008 at 1:03 PM, Claire Hoque <[claire.hoque@ccsemc.com](mailto:claire.hoque@ccsemc.com)> wrote:

Hi Tim,

Pls see answer below.

Once CCS issues DTS grant, I will inform FCC to issue UNII grant.

I saved the attachments into our network  
TCBUpload\AN08T7603\revised file 02-28-2008

Q1: The RF exposure exhibit shows separations of 7.5-8.0 cm without mention of the minimum separation distance of 20 cm. Please revise the RF exposure exhibit to acknowledge the 20 cm minimum distance.  
<answer>The RF exposure exhibit is revised and updated.

Q2: To comply with the requirement of 15. 247(c)(1)(iii) please revise the user manual to add a statement specifying that it be used exclusively for fixed, point-to-point operations.

Excerpt from 15. 247(c)(1)(iii)

The operator of the spread spectrum or digitally modulated intentional radiator or, if the equipment is professionally installed, the installer is responsible for ensuring that the system is used exclusively for fixed, point-to point operations. The instruction manual furnished with the intentional radiator shall contain language in the installation instructions informing the operator and the installer of this responsibility.  
<answer>The statement has been added to page iv of the manual.

Q3: The band edge measurements on page 30 of the test report appear to comply with the limit for peak emissions. For compliance with the average limit, the peak to average ratio shown on the page 31 plot in the emission skirt in the area of the band edge appears to be more on the order of 10 dB rather than the 21 dB ratio at the center frequency. Please provide additional explanation in the report to support using the 21 dB correction factor or provide actual average measurements at the band edges.  
<answer>report is revised.

Q4: In addition with reference to the plot on page 30 there are peaks approximately 25 Mhz above and below the center frequency. These peaks would be in the restricted bands and must also comply with the limits of 15.209. The emissions table in 6.4.2 specifies "BE Reading" but does not show the actual frequency measured. Please provide peak and average radiated measurement data for these peaks to show compliance with 15.205 and 15.209 restricted band requirements.  
<answer>The test report is updated with a statement in section 6.4.2.

Q5: FCC emissions measurements are required to be performed using the standard test methods described in ANSI C63.4:2003. This standard is not referenced in the test report. Please confirm that measurements were performed according to the ANSI C63.4:2003 test methods.  
<answer>Client confirms that measurements were performed according to the ANSI C63.4:2003 test methods.  
The reports were updated with a reference to ANSI C63.4:2003.

Thanks,

Claire Hoque  
Compliance Certification Services  
47173 Benicia Street  
Fremont, CA 94538, USA  
Tel: (510) 771-1123  
Fax: (510) 661-0888  
-----Original Message-----

From: [rfspectrum@gmail.com](mailto:rfspectrum@gmail.com) [mailto:[rfspectrum@gmail.com](mailto:rfspectrum@gmail.com)] On Behalf Of Tim Dwyer

Sent: Wednesday, February 20, 2008 3:47 PM

To: Timothy M. Dwyer

Cc: Thu Chan; Claire Hoque

Subject: Re: Tranzeo Wireless Technologies Inc. , FCC ID: QRF-QSFNYON3, Assessment NO.: AN08T7603, Notice#1

Hi Claire,

I have reviewed the items in the notice again and discussed with Mike Kuo and Mike Heckrotte. For item Q3, the test report information as provided does follow the procedure of DA -00-705 and so can be accepted. In the future however, it is preferable for clarity to present the data using plots in the manner that it has been presented in the composite NII portion of this filing to clearly demonstrate compliance at and adjacent to the band-edges..

For other items Q1, Q2, Q4, and Q5 please provide appropriate email replies or revised exhibits to support compliance with the notice items.

With reference to item Q4, provide at least a confirming statement that the referenced peaks in the restricted bands were considered in the band-edge evaluation, and that they comply with the radiated restricted band peak and average limits of 15.209.

Once the replies are received, we can proceed to issue the DTS grant and notify FCC so that the composite NII grant can be issued.

Best regards,

Tim Dwyer  
Technical Reviewer

On Sun, Feb 17, 2008 at 4:52 PM, <[tim.dwyer@ccsemc.com](mailto:tim.dwyer@ccsemc.com)> wrote:

Hello Thu, Claire,

Review of this application is complete. Please reply to the following questions. If you have questions, please ask.

Q1: The RF exposure exhibit shows separations of 7.5-8.0 cm without mention of the minimum separation distance of 20 cm. Please revise the RF exposure exhibit to acknowledge the 20 cm minimum distance.

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Q5: FCC emissions measurements are required to be performed using the standard test methods described in ANSI C63.4:2003. This standard is not referenced in the test report. Please confirm that measurements were performed according to the ANSI C63.4:2003 test methods.

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.

Best regards,

Tim Dwyer  
Technical Reviewer

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**Multipoint\_UG\_v1.3.pdf**



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from **Claire Hoque** <claire.hoque@ccsemc.com>  
to Tim Dwyer - TCB <Timothy\_Dwyer@ieee.org>,  
"Timothy M. Dwyer" <tim.dwyer@ccsemc.com>,  
cc Susan Riman <susan.riman@ccsemc.com>,  
date Thu, Feb 28, 2008 at 1:03 PM  
subject answer: Tranzeo Wireless Technologies Inc. , FCC ID: QRF-QSFNYON3, Assessment NO.: AN08T7603, Notice#1

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