

Tri M. Luu

From: Victor H Kee [vic@ultratech-labs.com]
Sent: Tuesday, October 05, 2010 3:40 PM
To: 'Tri M. Luu'; Weili3@aol.com
Subject: RE: 10FCC034_TELT-004Q - letter of findings from FCCIC Certifier

Gentlemen

I cannot certify an application that has incomplete or inappropriate test data. The User's manual clearly states that the device is connected to a personal computer and specialized software for the personal computer is provided to interact with the device. This device does fall under Computer Peripheral device and is subject to DoC requirements including the DoC labeling. Please refer to ANSI C63.4-2003 Section 11.1.2 for proper EUT operating conditions. Also note that ANSI C63.4-2003 procedures do not provide for excluding certain emissions from a tested system.

In addition, ANSI C63.4-2003 Section 12.1.1.2 requires both receivers be tested with a received CW signal. A statement or some other indication must be provided in the test report to satisfy this requirement.

Best Regards,

Victor H. Kee, P.Eng
VP Marketing & Business Development
Chief Certification Officer TCB Program
Ultratech Group of Labs
www.ultratech-labs.com

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From: Weili3@aol.com [mailto:Weili3@aol.com]
Sent: Tuesday, October 05, 2010 11:59 AM
To: tri@ultratech-labs.com
Subject: Re: 10FCC034_TELT-004Q - letter of findings from FCCIC Certifier

Hi, Tri.

Thanks for the input.

We normally follow the setup requirements in C63.4 for FCC testing on PC peripherals. However, this EUT is not qualified as PC peripheral (in the "restricted" definition), especially for IC Transceiver certification. The PC in the picture will be for one of receiving mode configuration. Therefore, minimizing "additional " emissions is the proper way to go. Also the monitor and printer will not affect this EUT's EMC performance based on our investigation except their own emissions which were identified before and can be excluded. I think this configuration shall be applicable to this application.

Regards,

Wei

In a message dated 10/5/2010 10:00:28 A.M. Eastern Daylight Time, tri@ultratech-labs.com writes:

Hi Wei:

Refer to ANSI C63.4 test procedure, when the EUT is connected to the PC, the PC must be set up with minimum configuration: 1 monitor, 1 key board, 1 mouse, 1 printer. Your photos of test setup does not show this MINIMUM configuration for testing a PC peripheral device per ANSI C63.4.

Tri Luu

From: Weili3@aol.com [mailto:Weili3@aol.com]
Sent: Monday, October 04, 2010 6:57 PM
To: tri@ultratech-labs.com
Subject: Re: 10FCC034_TELT-004Q - letter of findings from FCCIC Certifier

Hi, Tri.

Please see the revised report with DoC data (PC mode) integrated and findings addressed (in data sections). All pages are included in this attachment.

Hopefully, this will be the last run for this filing.

Best regards,

Wei

In a message dated 10/1/2010 1:48:46 P.M. Eastern Daylight Time, tri@ultratech-labs.com writes:

Gentlemen:

Please find the letter of findings from the FCC/IC certifier as below:

From: Victor H Kee [mailto:vic@ultratech-labs.com]
Sent: Friday, October 01, 2010 1:38 PM
To: 'Tri M. Luu'; 'Dharmajit'
Subject: 10FCC034_TELT-004Q

Gentlemen,

I have the following items to address before proceeding with the certification;

Certifier's Report:

Item #	Certifier's findings & comments:	Problems resolved?
1	FCC-IC-RPT-data-F AC Conducted emissions table showing at least 6 measurement points of QP/AVG measurements not present.	
2	FCC-IC-RPT-data-F Receiving mode – there is no evidence that a stimulating signal for both receivers were used to stimulate receiver during radiated and conducted emissions measurements. The frequency range of receive mode emissions measurement should be specified. There is no indication if the receive mode tests were conducted while connected to the USB cable. Block diagram would be helpful.	
3	User Manual and operating description specifies USB port “WZRDchat™ uses a USB connection to provide a user-friendly PC interface for text messaging and network monitoring. WZRDchat also allows uploading of GPS coordinates and modification of node settings. The WZRDchat application serves as a gateway to a local Personal Computer (PC) and the Internet where available”. Connection to personal computers require DoC to be applied and the device should be tested in that mode.	
4	FCC-IC-RPT-data-F Table of contents lists setup photos and appendix page 27 & 29 yet report. Last page of report states 25 of 37. The report appears incomplete.	

Best Regards,

Victor H. Kee, P.Eng

VP Marketing & Business Development

Chief Certification Officer TCB Program

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