

Interpretation/explanation Request 2004-C63-SC1-1

From: Yukio Tanuma [mailto:yuki@choshinet.or.jp]
Sent: Wednesday, October 06, 2004 3:19 AM
To: labinfo@fcc.gov
Cc: rfabina@fcc.gov
Subject: Re-send: Question about ANSI C63.4:2003

Gentleman,

I have some questions about ANSI C63.4:2003. Would you please kindly advise me?

Q1. Location of the monitor

The location of the monitor display on the PC is flush with the rear of the host in Figure 13 of this standard. However, section 11.2.2 states that The monitor should be placed on top of the host, centered and flush with the front of the host. This is the location also specified in the previous version of the standard such as ANSI C63.4:2001, 1992 and 1991.

Is the Figure 13 is incorrect and section 11.2.2 is correct?

Q2. AC adapter

According to the NOTE of section 6.2.1.2, 2), if the AC adapter is the EUT and it plugs directly into the wall outlet, the AC adapter shall be tested on the tabletop using an extension cord between the source power and the AC adapter. Is it also applicable to the conducted emission measurement? Can I plug the AC adapter directly to the LISN or do I have to use an extension cord between the AC adapter and the LISN?

I would very appreciate for your advices.

Best regards,

Yukio Tanuma
NVLAP Technical Expert
PCTEST Engineering Lab

From: Art Wall [mailto:Art.Wall@fcc.gov]
Sent: Friday, October 22, 2004 11:16 AM
To: LabHelp
Cc: Joe Dichoso; d.heirman@worldnet.att.net
Subject: RE: Re-send: Question about ANSI C63.4:2003

Dear Yukio Tanuma:

You have done a very good job at reviewing C63.4-2003. You are correct there does appear to be a discrepancy between figure 13 and Clause 12.2.2. In general, the text usually takes precedence, but to be safe I am referring this to Don Heirman of C63 for his comment, herewith. Also, according to my read of the NOTE of section 6.2.1.2, 2), an extension cord between the AC adapter and the LISN. Again Mr. Heirman may want to comment on this issue. If you have have questions about how the FCC should use, please contact Art.Wall@fcc.gov <mailto:Art.Wall@fcc.gov> or d.heirman@worldnet.att.net <mailto:d.heirman@worldnet.att.net>

Regards,

Art Wall
+1-301-362-3023

The following responses from the C63 Subcommittee 1 are considered explanations of the clauses in ANSI C63.4.

This is an explanation of the question raised in question 1 above:

In Clause 1.2 - Applications, paragraph 7, there is the statement "In this standard, the text takes precedence over the figures". The figures are only illustrative examples of a typical application of the text. We will, however, take action in the next revision of C63.4 to slightly modify figure 13 by moving the monitor position to be flush with the front edge of the host/EUT to avoid any further confusion. The next revision is not expected to be completed until 2006.

This is an explanation of the question raised in question 2 above:

Clause 6 states, "This clause specifies general requirements that are applicable to all EUT's covered under the scope of this standard. Additional and more specific requirements ---- are given in Clause 11, Clause 12, and Clause 13." Thus, Clause 6.2.1.2 2) Note is applicable to both radiated and conducted emission measurements and hence the test setup arrangement should be maintained for both the conducted and radiated emissions measurements.