

Wireless News and Information

March 27, 2006

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Dear All,

1. New Version of TIA-603

Please kindly be reminded that you have latest version of TIA-603, which is TIA-603-C-2004.

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2. FCC ET Docket No. 03-122

The order was released on February 16, 2006. By this order and effective immediately, FCC extend for 180 days the transition periods, adopted in the 5 GHz Extension Order and described herein, for unlicensed National Information Infrastructure (U-NII) equipment operating in the 5.250 - 5.350 GHz band. This action will allow parties to continue to obtain equipment authorizations for such equipment and to market it under the rules in effect prior to the adoption of the 5 GHz U-NII Report and Order, pending the development of measurement procedures for evaluating these devices for compliance with the new rules.

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3. Site Attenuation Measurement Above 1 GHz

For those of us that are involved in making measurements above 1GHz you need to be aware that ANSI and CISPR are extending the standards to include this frequency range.

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4. BI-Conical Antenna Use Below 30MHz

As I am sure all of you know the FCC has been allowing the use of a calibrated biconical antenna between 20-30MHz until now. They have reversed their position and now they are saying that you must use a calibrated LOOP below 30MHz. Here is the quote from the Q & A session with the FCC;

Question: What antenna does the Commission reference and use for making radiated emission measurements below 30 MHz?

Answer: For radiated emission measurements on a Part 15 device below 30 MHz, the Commission recommends following the guidelines in ANSI-C63.4 (2001) for use of a loop antenna (A monopole or rod antenna may not be used). This is consistent with a long standing Commission Lab policy of requiring the use of a loop antenna below 30 MHz. While there may have been some relaxation of this policy in the past for the upper end of the band; henceforth, we will require the use of a loop antenna unless there is a special circumstance where a loop antenna is not practical. For these situations, contact the FCC Lab at labhelp@fcc.gov for guidance. As stated in Section 15.31 of the FCC Rules, any reasonable procedure may be used to show compliance with FCC Rules, but in case of dispute the Commission will use the procedures referenced in the FCC Rules.

For radiated emissions measurements on a Part 18 device between 18 and 30 MHz, section 2.2.4 of MP-5 states that you may use either a shielded balanced loop antenna, a calibrated half-wave dipole antenna or any linearly polarized antenna that gives you results comparable to a dipole antenna. MP-5 is referenced in Section 18.311 of the Rules.

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5. ISO 17025 Re-Assessment

We are going through our re-assessment the week of 4/24-28, so please be patient with us.

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6. April 11 Meeting for R&TTE Standard Update

1) More late documents for the Paris meeting on 11 APR 06 are available in the "2006 Documents" folder in the members' area of CIRCA:

[\(06\)14](#) Application of EN 50371

[\(06\)21](#) On-frequency repeaters

2) ETSI Standards Published:

[ETSI EN 300 220-2 V2.1.1 \(2006-04\)](#) Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

[ETSI EN 300 330-2 V1.3.1 \(2006-04\)](#) Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive

[ETSI EN 302 340 V1.1.1 \(2006-04\)](#) Harmonized EN for satellite Earth Stations on board Vessels (ESVs) operating in the 11/12/14 GHz frequency bands allocated to the Fixed Satellite Service (FSS) covering essential requirements under article 3.2 of the R&TTE directive

[ETSI EN 302 372-2 V1.1.1 \(2006-04\)](#) Short Range Devices (SRD); Equipment for Detection and Movement; Tanks Level Probing Radar (TLPR) operating in the frequency bands 5,8 GHz, 10 GHz, 25 GHz, 61 GHz and 77 GHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive

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Do you have any questions? Ask our experts, send email to sid@timco.cc

Best Regards,

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