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TCB for FCC Approval  
FCB for Industry Canada Approval  
Notified Body (CAB) for EU

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June 2, 2006

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Dear All,

This newsletter contains great amount of information. Please do not hesitate to email to Sid ([sid@timco.cc](mailto:sid@timco.cc)) or Bruno ([bruno@timcoengr.com](mailto:bruno@timcoengr.com)) if you have questions.

### 1. FCC Restrictions on Composite Devices

The FCC website will not allow a composite device if both devices have the same equipment code, ie a 15.235 49MHz device and a 15.249 2.4GHz device. Both of these devices have the same equipment code, DXX but are cover by different Scopes.

A device of this type is legal and We are working with the FCC to find a solution.

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### 2. SAR testing of DFS devices (in part quoted from FCC)

Follow the following guidance documents, which are available on our website in the download section under "FCC":

- SAR Test Configurations and TCB Review Procedures For 802.11 Wireless LAN Transmitters (802-11 Test Config Guidance - KC.doc)

- SAR Measurement Considerations at 3-6 GHz and TCB Review Procedures (Above 3 GHz SAR Guidance - KC.doc)

The following issues should be particularly addressed:

i) Test at low, middle, and high channels for each device transmission band, (i.e., 3 channel frequencies in each band).

ii) Probes should have valid calibrations (calibration and measurement uncertainties similar to IEEE Std 1528 requirements and May 2005 OET/Lab recommendations) to cover device transmission bands; e.g., for calibrations valid at  $\pm 100$  MHz from each calibration point, calibration frequency (with corresponding liquid and system parameters) at the mid-band frequency 5600 MHz should be done to cover testing for channels in 5500-5700 MHz.

iii) System verification/validation testing should be done at a frequency within the transmission band of the test device or within  $\pm 100$  MHz of mid-band frequency when supported by the probe calibration.

iv) Tissue Parameters. Follow given guidance in SAR guidance.

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### 3. DFS Approval deadlines (in part quoted from FCC)

For new, single filings for non-DFS UNII devices:

- TCB filings must be granted on or before the July 20, 2006 deadline.
- EA (FCC) filings must be submitted/filed on or before the July 20, 2006 deadline.

For composite filings that include non-DFS UNII devices:

If both filings are TCB approved, they both must be granted on or before the July 20 deadline. If both filings require FCC approval, they both must be filed on or before the July 20 deadline. If one portion of the filing requires FCC approval and the non-DFS UNII portion is eligible for approval by the TCB (mobile and fixed) but cannot be granted until the FCC portion is approved, the non-DFS UNII can be granted after the July 20, deadline as long as the FCC portion of the composite is filed before the July 20, 2006 deadline. Any composite in which the non-DFS UNII portion must be filed with the FCC, the non-DFS UNII portion must be filed before the July 20, 2006 deadline.

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### 4. R&TTE UPDATES: Below you will find some updates on standards for the EU.

#### A. ETSI Standards Published

[ETSI EN 302 288-2 V1.2.1 \(2006-05\)](#) Short Range Devices; Road Transport and Traffic Telematics (RTTT); Short range radar equipment operating in the 24 GHz range; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive

#### B. ETSI Standards on Public Enquiry

[ETSI EN 302 435-2 V1.1.1 \(2006-05\)](#) Short Range Devices (SRD); Technical characteristics for SRD equipment using Ultra Wide Band technology (UWB); Building Material Analysis and Classification equipment applications operating in the frequency band from 2,2 GHz to 8 GHz; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive

[ETSI EN 302 510-2 V1.1.1 \(2006-05\)](#) Radio equipment in the frequency range 30 MHz to 37,5 MHz for Ultra Low Power Active Medical Membrane Implants and Accessories; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive

#### C. ETSI Standards on One Stop Approval

[ETSI EN 300 328 V1.7.1 \(2006-05\)](#) Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

[ETSI EN 301 091-2 V1.3.2 \(2006-05\)](#) Short Range Devices; Road Transport and Traffic Telematics (RTTT); Radar equipment operating in the 76 GHz to 77 GHz range; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive

#### D. ETSI Standards on Vote

[ETSI EN 301 449 V1.1.1 \(2006-05\)](#) Harmonized EN for CDMA spread spectrum base stations operating in the 450 MHz cellular band (CDMA 450) and 410, 450 and 870 MHz PAMR bands (CDMA-PAMR) covering essential requirements of article 3.2 of the R&TTE Directive

[ETSI EN 301 526 V1.1.1 \(2006-05\)](#) Harmonized EN for CDMA spread spectrum mobile stations operating in the 450 MHz cellular band (CDMA 450) and 410, 450 and 870 MHz PAMR bands (CDMA-PAMR) covering essential requirements of article 3.2 of the R&TTE Directive

[ETSI EN 302 426 V1.1.1 \(2006-05\)](#) Harmonized EN for CDMA spread spectrum Repeaters operating in the 450 MHz cellular band (CDMA450) and the 410 MHz, 450 MHz and 870 MHz PAMR bands (CDMA-PAMR) covering essential requirements of article 3.2 of the R&TTE Directive

[ETSI EN 301 357-2 V1.3.1 \(2006-05\)](#) Cordless audio devices in the range 25 MHz to 2 000 MHz; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive

#### E. ETSI Standards on Member Vote – NOT candidate harmonized standards but of potential interest:

[ETSI EG 201 730-3 V2.1.1 \(2006-05\)](#) Application of the Directive 1999/5/EC (R&TTE), article 4.2; Guidelines for the publication of interface specifications; Part 3: Digital wireline interfaces

[ETSI EG 201 730-4 V2.1.1 \(2006-05\)](#) Application of the Directive 1999/5/EC (R&TTE), article 4.2; Guidelines for the publication of interface specifications; Part 4: Broadband multimedia cable network interfaces

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**5. ANSI C63 UPDATE:** The plan is to complete the revised standard by the end of 2006, anyone interested in participating in this working group should email me & I will get the the contact information.

Do you have any questions? Ask our experts, send email to [sid@timco.cc](mailto:sid@timco.cc)

Best Regards,

**Sid Sanders**

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