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**TCB FCC Approvals**  
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Toll Free: 1-888-472-2424 Fax: 352-472-2030 email: [tei@timcoengr.com](mailto:tei@timcoengr.com) 849 NW State Road 45 Newberry, Florida 32669

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Hi,

1. **MRA with Korea - phase 1 letters signed:**

The USA and Korea have signed Phase 1 of the MRA. TIMCO is adding Korean standards to its scope of Accreditation and will be ready for designation as a CAB when phase 2 of the MRA is implemented sometime in 2006. [<Back to Top>](#)

2. **3.65-3.7GHz Wireless Broadband Services Part 25:**

The final rule for Wireless Operations in the band 3650-3700MHz band was published in the Federal Register on May 11, 2005. The effective date for equipment authorization is June 10, 2005. At first, TCBs will not be allowed to Certified these devices until the FCC acquires sufficient experience with this band. The FR publication can be downloaded at: <http://a257.g.akamaitech.net/7/257/2422/01jan20051800/edocket.access.gpo.gov/2005/pdf/05-9096.pdf>

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3. **HAC - TCB approval:**

TIMCO has attended the FCC training session of May 2005. Consequently, according to Public Notice DA 05-1134 published in the April 25, 2005, TIMCO can now approve devices with HAC applications per clause 4 of ANSI C63.19. The PN clarifies that either the 2001 or the draft 2005 version of ANSI C63.19 can be used. The PN can be downloaded at: [http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DA-05-1134A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-05-1134A1.pdf)

The FCC requirements for manufacturers are phased in as follows:

- September 16, 2005: 2 phones per air interface must meet ANSI C63.19 clause 4 (RF emission rating of level 3)
- September 16, 2006: 2 phones per air interface must meet ANSI C63.19 clause 6 (Tcoil signal quality rating of level 3)
- February 18, 2008: 50% of phones per air interface must meet ANSI C63.19 clause 4 rating of M3

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4. **TIMCO can now approve MIMO, Phased array systems, and Sectorized systems:**

Such devices must be filed as P2P, P2MP, or Smart Antenna System (SAS) under part 15.247 or 15.407. [<Back to Top>](#)

5. **New FCC policy - RFID passive tag testing:** Here is a summary. Please contact us if you need additional info. Passive tags are not Certificated. Tag reader needs testing only. Passive tag carrier must not be in 15.205 bands. Per 15.247(a) (1) the receive bandwidth in the tag reader must match or can be less than either the modulated signal from the tag reader or passive tag. Only the tag reader determines the 20dB BW. Tag reader can transmit a 1/2 duplexed signal made of a data modulated signal + CW signal to power passive tag. CW RFID reader must be filed under 15.249 only. [<Back to Top>](#)

6. **New FCC policy - Transmitter module integrated in PC motherboard:** Here is a summary. Please contact us if you need additional info.

TIMCO can officially approve such device. The FCC now allows approval of a transmitter integrated in a PC motherboard for use in various desktops/or towers. This approval process is similar to that of a WLAN PCI card. It requires a composite filing for the radio and the motherboard. The latter can be subject to DoC or Certification, as subassembly per 15.102. Enclosure is closed for the radio test and open for the motherboard test (part 15.32). Antenna must be external to PC.

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7. **New FCC policy - EMC evaluation of co-located transmitters - IM spurious emissions:** Here is a summary. Please contact us if you need additional info. The FCC does no longer require submitting simultaneous transmission data, radiated and conducted, except when devices share a common antenna. In any case, the grantee is still responsible for compliance. [<Back to Top>](#)
8. **New AC line-conducted emissions measurements of Part 15 transmitters that operate < 30 MHz:** The FCC now accepts AC power-line measurements for intentional radiator operating < 30MHz (e.g. RFID 13.56M) according to ANSI C 63.4 sec. 13.1.3.1 and Annex H1 b) with a dummy load instead of the Tx antenna:  
- Test with attached antenna for compliance with 15.207 limits outside the Tx fundamental emission band  
- Then, retest Tx fundamental band only, with dummy load for compliance with 15.207 limits. [<Back to Top>](#)
9. **EN 55022: 1998 Update:** The Date Of Withdrawal of this version was postponed until August 1, 2007. Therefore, the 1994 version can be used for presumption of conformity until 2007. It is expected the publication of EN55022:2005, so manufacturers can choose to use the 1994 versions+ amendments or the 1998 + amendments (with ferrites), or the future 2005 version. [<Back to Top>](#)
10. **EU Broadband electronic communications through power lines:** This Commission Recommendation was published in the OJ on April 12, 2005. The Commission specifies that until harmonized standards are available for presumption of conformity under the EMC D, power line communications system are considered as compliant only if they are compliant with the Directive and installed and operated according to good engineering practices designed to meet the essential requirement of the Directive. The document can be downloaded at: [http://europa.eu.int/eur-lex/lex/LexUriServ/site/en/oj/2005/l\\_093/l\\_09320050412en00420044.pdf](http://europa.eu.int/eur-lex/lex/LexUriServ/site/en/oj/2005/l_093/l_09320050412en00420044.pdf)  
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Best Regards,

Sid Sanders  
& Bruno Clavier

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Toll Free: 1-800-472-2424 Fax: 352-472-2030 email: [tei@timcoengr.com](mailto:tei@timcoengr.com)

**In Korea Contact:**

Timco-Thru Engineering  
Listed Test Lab  
Mr. K.T. Kang  
[thrukang@kornet.net](mailto:thrukang@kornet.net)  
+(02) 846-5002

**In Japan Contact:**

ITM  
Mr. Gene Hani  
[itm@tke.att.ne.jp](mailto:itm@tke.att.ne.jp)  
(03) 3485-3713

**In Hong Kong Contact:**

Timco Engineering, Inc.  
Mr. Gilbert Lui  
[itsasonry@i-cable.com](mailto:itsasonry@i-cable.com)  
(852)2330-6604

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