



FCC Presentations

TCB Workshop – Feb 2008

**Laboratory Division
Office of Engineering and Technology
Federal Communications Commission**



Topics

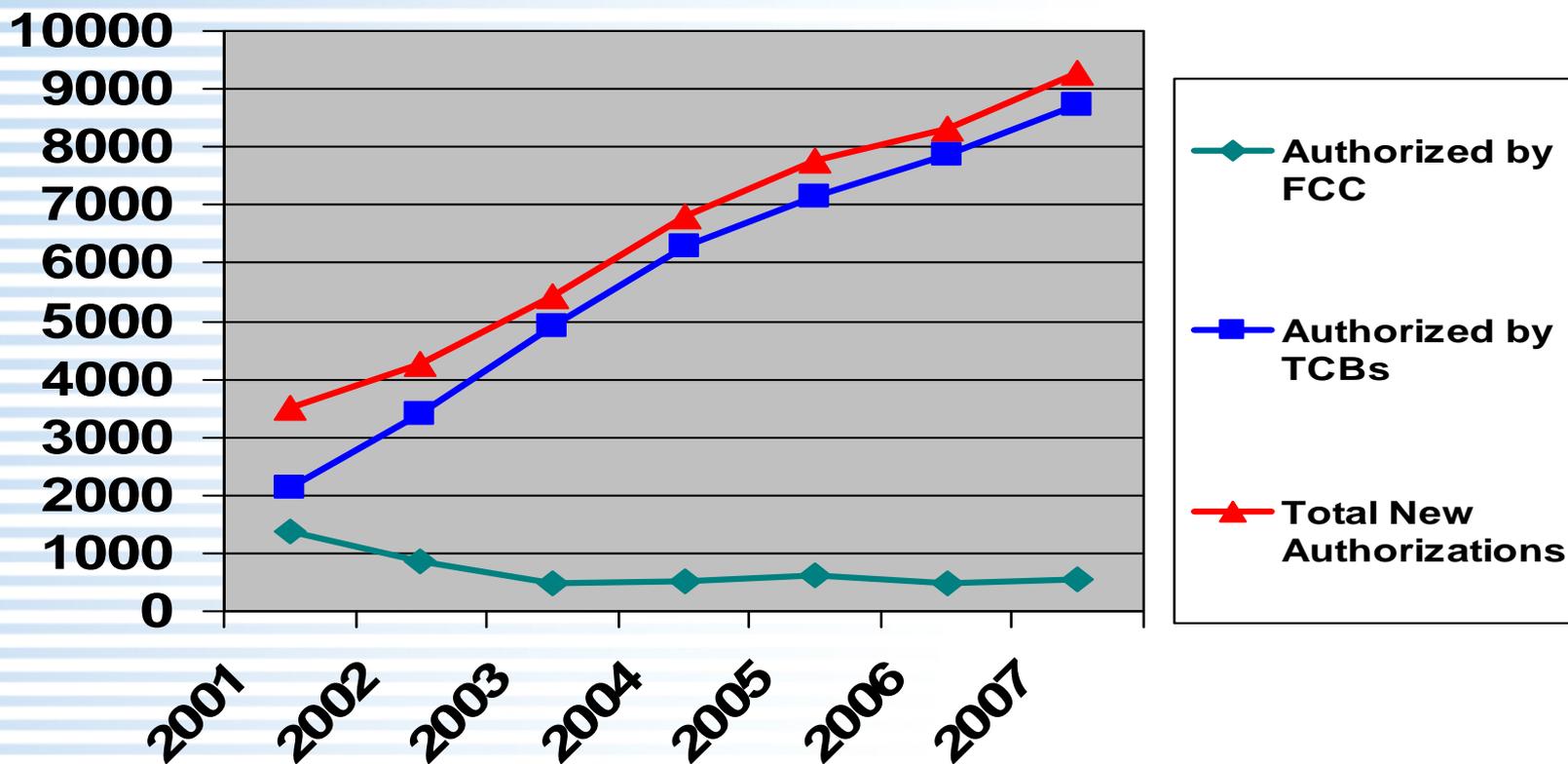
- 2007 Activity Review - Rashmi Doshi
- Administrative Updates - Rashmi Doshi
- Handset SAR Procedures - Kwok Chan
- RF Exposure Mobile and Portable Review Procedure Update - Tim Harrington
- TCB Exclusion List Update - All
- Roundtable Topics, Q &A - All



2007 Authorizations



Equipment Authorization Trends





Administrative Topics



Administrative Issues

Kudos to the TCBs !!!

- **Supersede Requests Decreased**
 - Reminders
 - Include TC # in any easadmin request
 - Do not include TC # in any non-confidential exhibit (e.g. Cover Letters, etc.)
- **Dismissals – no issues**
- **Confidentiality, STC – minimal requests**
- **Many suggestions to eastcbupgrade@fcc.gov to enhance the system – Thank you!**



New Initiatives

- Conversion to U.S. Bank from Mellon Bank
 - Revised 2006 OET Fee Filing Guide (eff. 2/14/2008)
 - http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-280235A1.pdf
- Administrative Contact Program
 - TBA – Expect e-mail acknowledgement of submitted information once all the data collected
- Form 731 Changes – pending OMB approval
 - Modular Equipment Changes – Data Input, Searches, etc.
 - Short Term Confidentiality
 - Allow for entry of marketing date
 - Automated one-time reminder of pending expiration
 - All Exhibit Attachments to be limited to JPG / PDF, file size increased to 6MB
 - Allow improved Permit but Ask procedure
 - Related FCC ID field expanded to 4 FCC IDs



Handset SAR Procedures

Kwok Chan



RF Exposure Mobile and Portable Review Procedure Update

Tim Harrington



TCB Exclusion List Update Discussions

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Roundtable Topics / Q & A

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Part 27 Temporary Fixed device

- Temporary-fixed station equipment requirements may differ in other rule parts e.g. 90 and 101, etc.
- For equipment authorization purposes, the question about temporary fixed usually pertains to 27.50(h) and/or 27.53(l) provisions. In general, temporary-fixed operations are itinerant in nature, do not operate while in motion and are not to be confused with mobile-type operations which do transmit while in motion. Note also do not confuse mobile station eqpt. with RF exposure mobile device - these are two different definitions and applications.
- Equipment that is ac-powered only (e.g. desktop) can be part 27 temp-fixed, but a desktop device is also a 2.1091 mobile device. Likewise a laptop-installed transmitter that operates only with a detached cabled (desktop) high-directivity antenna that must be stationary to focus the beam can be part 27 temp-fixed, but is also a 2.1091 mobile device.



DOC Approvals

- Composite devices
 - The TCBs must ensure that all portions of a composite filing are properly authorized BEFORE a grant is issued. If the applicant chooses to obtain a DOC rather than Certification per 15.101, the filing must include an attestation from the grantee.
 - The attestation letter is a signed statement from the grantee indicating that DOC approval will be applied.



DOC Approvals

- Test firm facility used for DOC approvals.
 - See KDB publication 349827
 - How to determine if a test firm facility may be used for testing in support of a Declaration of Conformity (DoC) test report
 - ISO/IEC 17025 accredited test firm is needed
 - For test firms outside the U.S., recognition is only possible for test firms located in countries with which the U.S. has an operational Mutual Recognition Agreement (MRA).
 - For test firms with multiple test sites, the specific test facility used for the DoC testing must be a location assessed as part of the ISO/IEC 17025 accreditation and that has been recognized by the FCC.



TCB and Grantee Correspondence

- It is recommended that relevant information on which decisions are based are provided in the TCB filing.
- The TCB must be able to provide the basis on which their decision was made



Grant Frequency Listing

Q: What are the FCC policies on grant frequency listing

A: The policies are listed in KDB publication 634817 apply. The Grantee is responsible to ensure that the operation of the device is according to the rules under which the device is approved.



Modular Approvals Under 15.212

- The rules for modules under 15.212 are not effective, pending final approval from OMB.
- Until these rules become effective, the modular approval requirements in the Public Notice continue to apply.
- Split modules cannot be approved until the new rules become effective.



Use of CISPR 22 Limits - Reminder

Revision of Part 15 of the Rules to Harmonize the Standards for Digital Devices with International Standards

- ET Docket 92-152, September 17, 1993
 - This rulemaking only allows for the use of CISPR 22 (third edition) limits as an alternative to the radiated emission limits in the frequency range 30 MHz to 1 GHz.

- ET Docket 98-80 (FCC 02-157), May 30, 2002
 - This rulemaking changed the FCC limits for line conducted emissions to be the same as the CISPR limits.



Use of CISPR 22 Limits - Reminder

Radiated Emission Limits

- Radiated emission limits in the range 30 MHz to 1 GHz may be used as alternative limits to limits in §15.109.
- Section 15.109(g)
 - “Digital devices may be shown to comply with the standards contained in the Third Edition of CISPR Pub 22 (1997), “Information Technology Equipment – Radio Disturbance Characteristics – Limits and Methods of Measurement”
- Measurement methods in C63.4-2003 are still required (§15.31)
- Still subject to radiated emission limits in §15.109 above 1 GHz



Use of CISPR 22 Limits - Reminder

Line Conducted Emissions

- Line conducted emissions measurement must be made using U.S. power voltages and frequencies.
- Measurement methods in C63.4-2003 are still required (§15.31)
- §15.107(c) – Conducted Emissions
 - ITE – Limits are the same for both FCC and CISPR 22
- §18.307 – Conducted Emissions
 - Consumer ISM equipment (microwave ovens) – Limits are the same for both FCC and CISPR 11



Questions and Answers

Thanks!