



FCC Presentations

TCB Workshop

April 5 – 6, 2011

Laboratory Division
FCC



Agenda

- Introduction
 - Rashmi Doshi
- TCB Program Administration
 - George Tannahill
- Power Measurement Procedures
 - Tom Phillips, Steve Martin, Steve Jones
- General Policy Updates (1)
 - Andrew Leimer, Jim Szeliga
- RF Exposure Procedure Updates
 - Kwok Chan
- General Policy Updates (2)
 - Joe Dichoso, Jim Szeliga



FCC - Workshop Overview

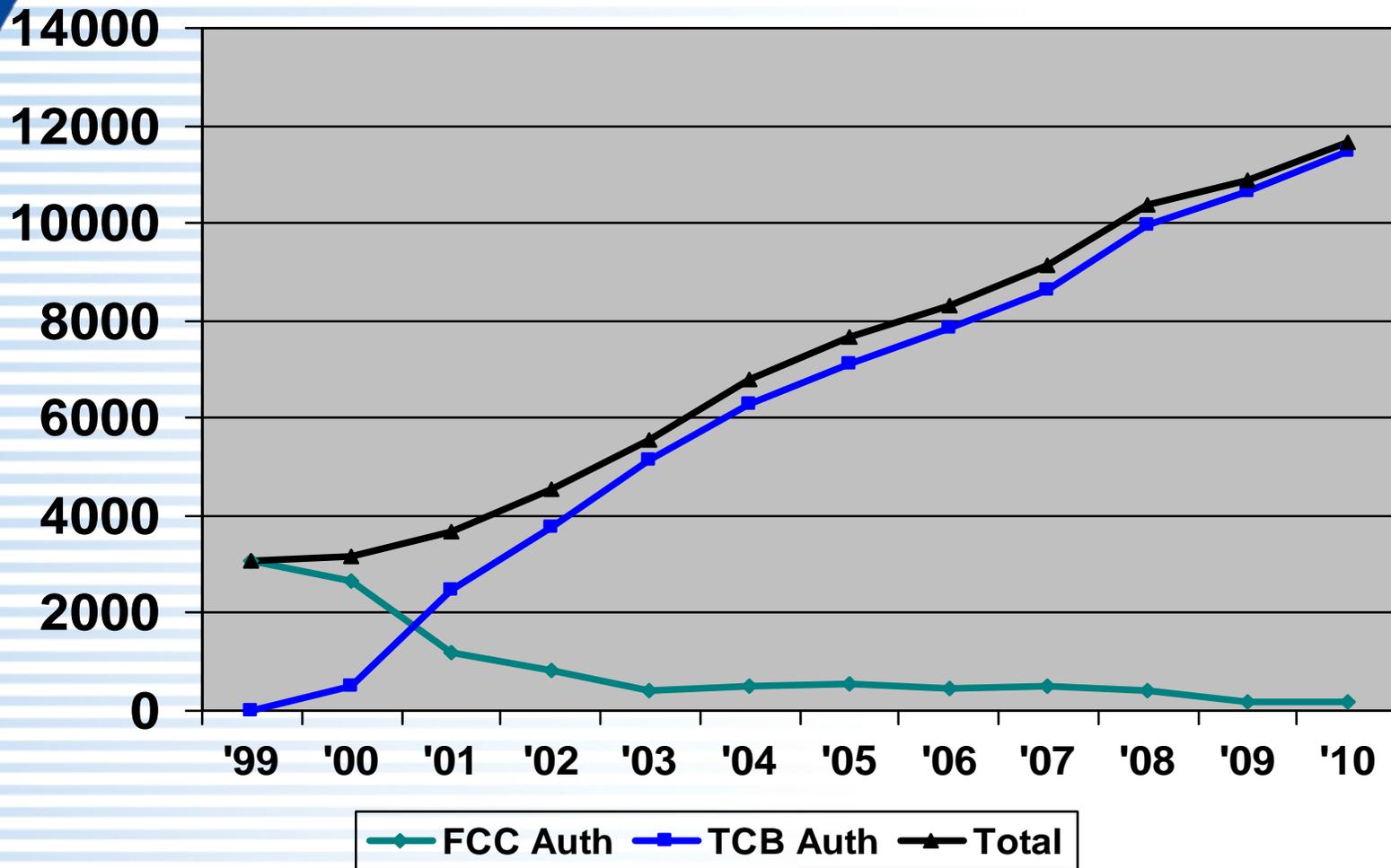
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Federal Communications Commission
Office of Engineering and Technology
Laboratory Division



Equipment Authorization Certification Trends (1999 – 2010)





Equipment Authorization Program

- ~98.5% Approved by TCBs!
 - Only ~ 1% on Exclusion list
- Application growth continues
 - Independent of economic status
- Increasing number of complex devices are now creating new challenges
 - Need for additional guidance
 - Increased number of PBA requests
 - Requirements to reduce number of tests



Challenges for Equipment Authorization Program

- Continue to require emphasis on quality
- First Potential FCC ID Revocation
 - Shenzhen Tangreat – Order to show cause EB Docket 10-247 (DA 11-246) (Feb. 9, 2011)
 - Raised some question on the process
- Complex products need much greater attention on reviews:
 - Continued updating of technical expertise of laboratory testers, reviewers, assessors
 - Detailed review of operations descriptions
 - Challenges for timely review considering volume of applications
- Need to get “fundamentals” correct
 - Lot of low-end products only getting cursory review



Recent KDB Publications

- TCB Responsibilities
 - 641163 - TCB Roles & Responsibilities (01/06/2011)
 - 610077 - Post-Market Surveillance for TCBs (01/11/2011)

- Administrative and General Policies
 - 628591 - TCB Exclusion List (02/24/11)
 - 442812 - Software Defined Radio Guidance (02/24/2011)
 - 388624 - Permit But Ask (02/03/2011), (04/04/2011)
 - 996369 - Modular Equipment Guide (02/03/2011), Draft
 - 178919 - Permissive Change Policies (02/24/2011), Draft
 - 594280 - Software Configuration Control (02/24/2011), Draft
 - 848637 - DFS Client Device Guidance, Draft
 - 634817 - Frequency Range Listing, Draft

- Specific Rule Part
 - 579009 – Part 90 Narrowband requirements (03/29/11)
 - 273109 – Part 25 Satellite Transceiver (02/03/201)



Measurement Guidance Published

- EMC Measurement Procedures
 - 966099 - Linear / Log Average Detector (11/30/2010)
 - 714737 - Average Detector for Part 15B Measurement (11/30/2010)
 - 412172 - Guidelines for ERP and EIRP (11/30/2010)
 - 971168 - Power Measurement >1 MHz Digital Systems (11/30/2010)
 - 449343 - Pre-Calibrated Field Method (12/03/2010)
 - 662911 – Multiple Input-Output Guidance (04/04/2011)

- RF Exposure
 - 941225 - LTE SAR Evaluation (12/15/2010)
 - 941225 - Hotspot SAR Evaluation (04/04/2011)
 - 941225 - UMPC Mini-Tablet SAR Evaluation (04/04/2011)
 - 643646 - Push-to-talk SAR (12/15/2010), (04/04/2011)

- Hearing Aid Compatibility
 - 285076 – Hearing Aid Compatibility Guidance (02/03/2011)



Questions and Answers

Thanks!