



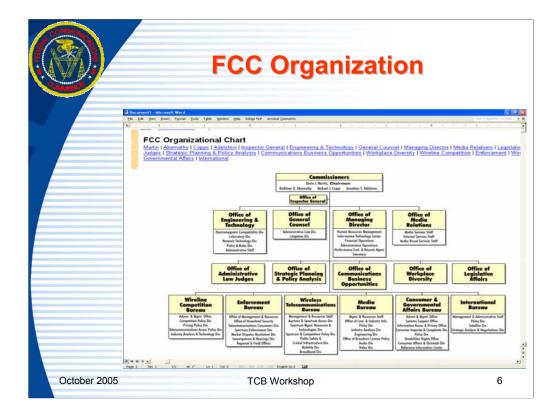
## Federal Communications Commission

- FCC regulates the private sector telecommunications industry, in the public interest
  - First, the Commission establishes technical regulations for transmitters and other equipment to minimize their potential for causing interference to radio services.
  - Second, the Commission administers an authorization program to ensure that equipment reaching the market complies with the technical requirements.

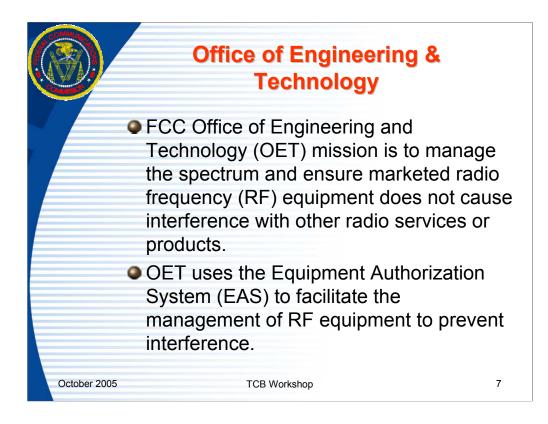
October 2005

TCB Workshop

Hov	w are Regulati	ons Made?
<ul> <li>Requires all U opportunity to</li> <li>These rules and</li> </ul>	Procedures Act (APA- 5 USC S government agencies to giv comment on any regulations re codified in 47 CFR Part 1, S FCC Rule Making Pro	ve the public the that will affect them. Subpart C
Proposal	Public Comments	Final Rule (Report & Order)
October 2005	TCB Workshop	5



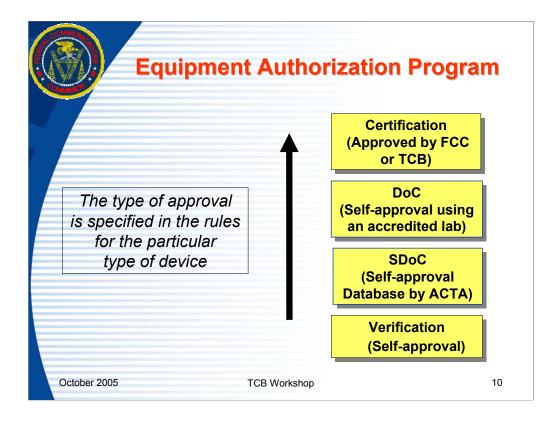
http://www.fcc.gov/fccorgchart.html



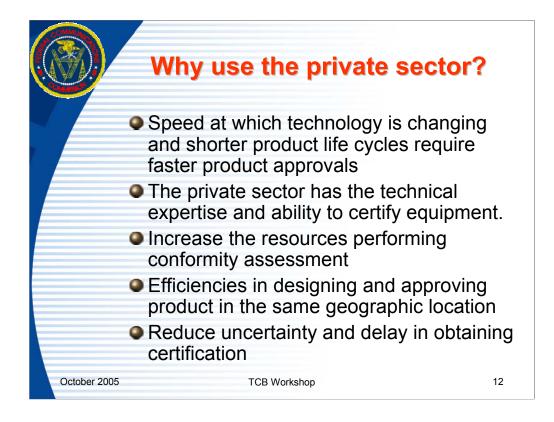


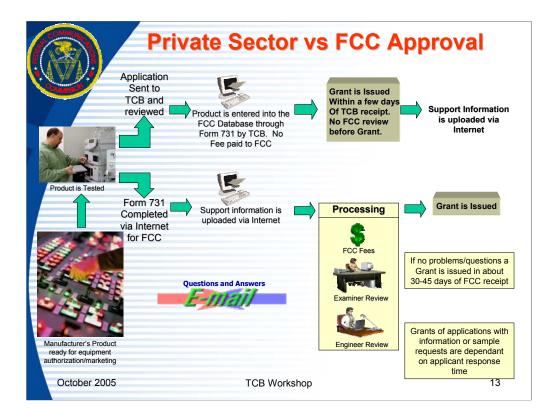
http://www.fcc.gov/oet/organization/Welcome.html

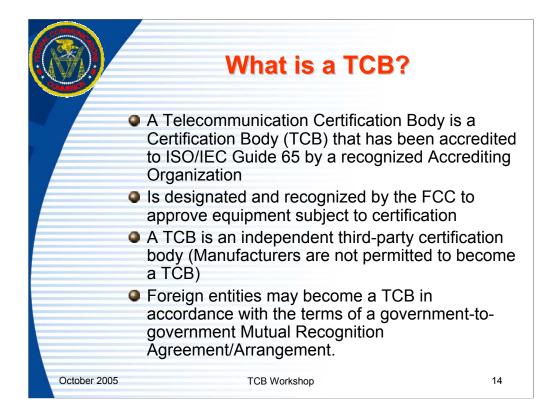




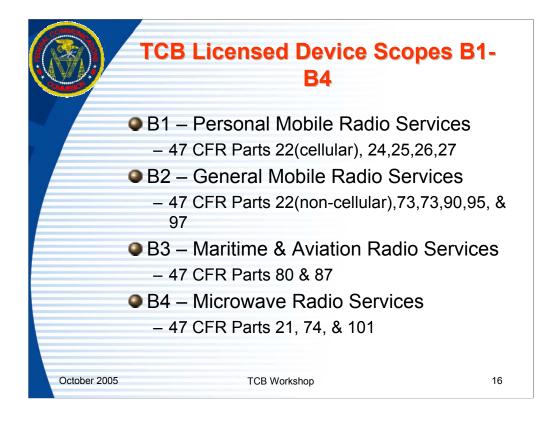
<b>.</b>			2
Verification	SDoC	DoC	Certification <sup>2</sup>
Most ISM Equipment		PC's & Peripherals	PC's & Peripherals
TV & FM Receivers		Most Receivers	Most Receivers
All Other Digital Devices		TV Interface Devices	TV Interface Devices
Pt-to-Pt Microwave		Consumer ISM Equipment	Consumer ISM Equipment
Broadcast Transmitters	Telephone Equipment		Telephone Equipment <sup>1</sup>
Aux. Broadcast Transmitters			Most transmitters
INMARSAT Equipment			Scanning Receivers
406 MHz ELT			Access BPL
CATV Relay Transmitters			

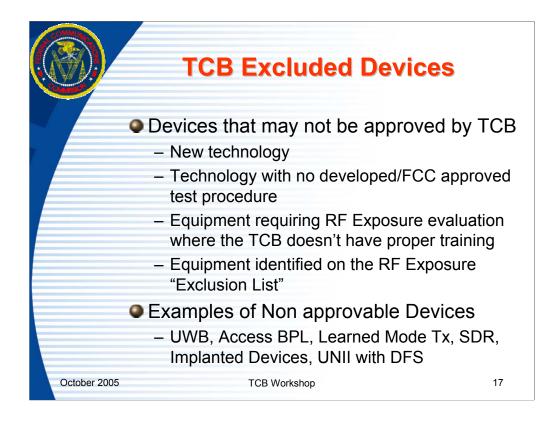






	TCB Unlicensed Device Scopes A1-A4	
°	A1 Low power transmitters operating on frequencies below 1 GHz (with the exception of spread spectrum devices), emerge alert systems Part 11, unintentional radiators (e.g., personal computers and associated peripherals and TV interface device and consumer ISM devices subject to Certification (e.g., microwave ovens, RF lighting and other consumer ISM device	ency ces)
•	A2 - Low power transmitters and Radar detectors operating frequencies above 1 GHz, with the exception of spread spect transmitters.	
•	A3 - Unlicensed Personal Communication System (PCS) devices.	
٥	A4 - Unlicensed National Information Infrastructure (UNII) devices and low power transmitters using spread spectrum techniques.	
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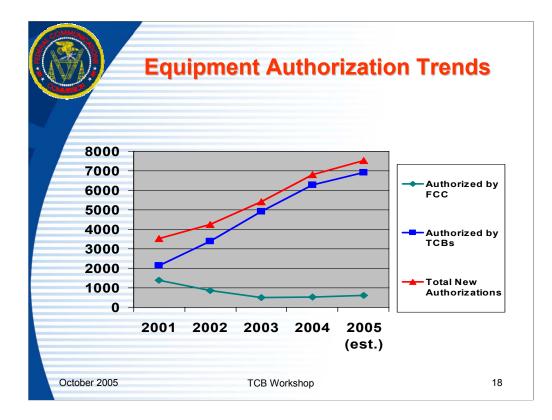


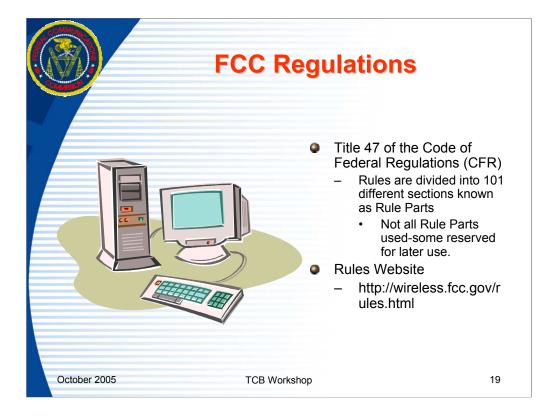
Policy Statement KDB 447498

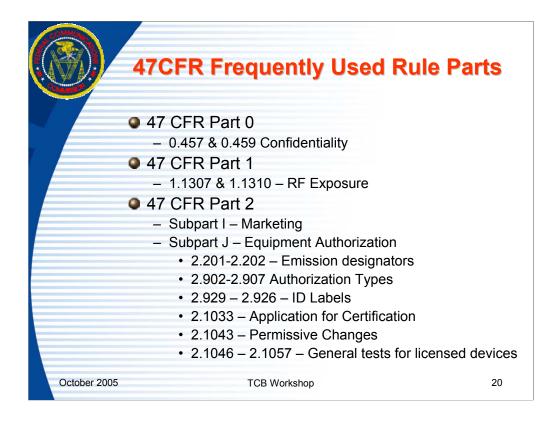
https://gullfoss2.fcc.gov/prod/oet/cf/kdb/forms/FTSSearchResultPage.cfm?id=20676 &switch=P

RF Exposure Exclusion list KDB 628591

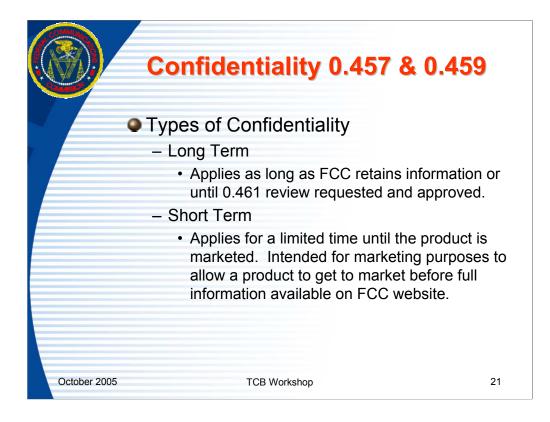
https://gullfoss2.fcc.gov/prod/oet/cf/kdb/forms/FTSSearchResultPage.cfm?id=20247 &switch=P

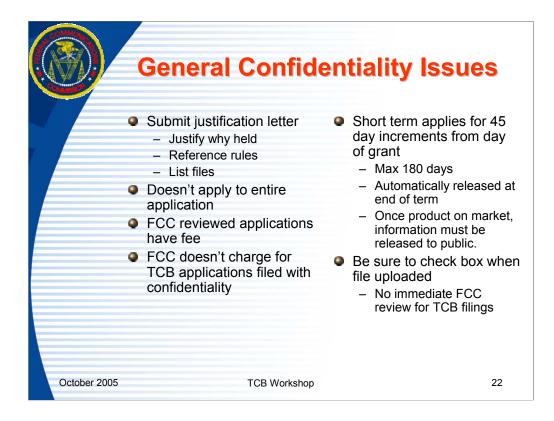






- 2.1046 RF Power Output
- 2.1047 Modulation Characteristics
- 2.1049 Occupied Bandwidth
- 2.1051 Conducted Spurious Emissions
- 2.1053 Radiated Spurious Emissions
- 2.1055 Frequency Stability





Long term confidentiality doesn't apply: Test report, FCCID label, RF exposure info, Cover letters, Attestation statements, Setup photos, correspondence.

Short term confidentiality doesn't apply: Test report, FCCID label, RF exposure info, & cover letters

Scanning Receivers and software defined/cognitive radios have special requirements called out in rule making.

A specific exhibit in an FCC may have either short or long term confidentiality but not both.

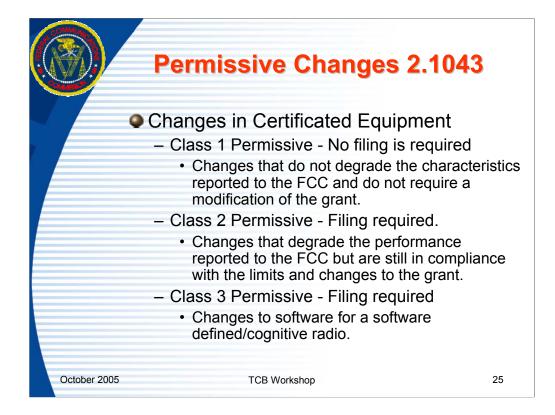
Some photos and users manuals will be held confidential but require additional justification.

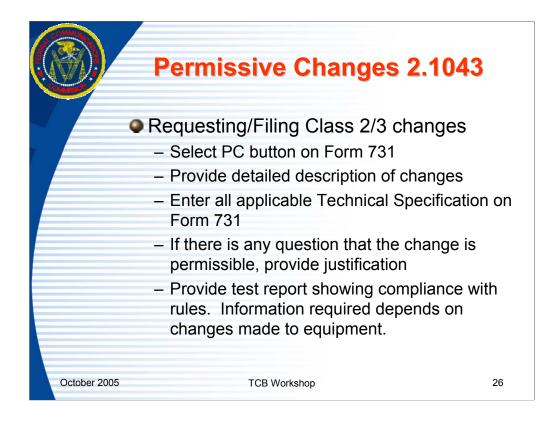
If a TCB grants short term confidentiality any requests to extend that confidentiality must be sent to them

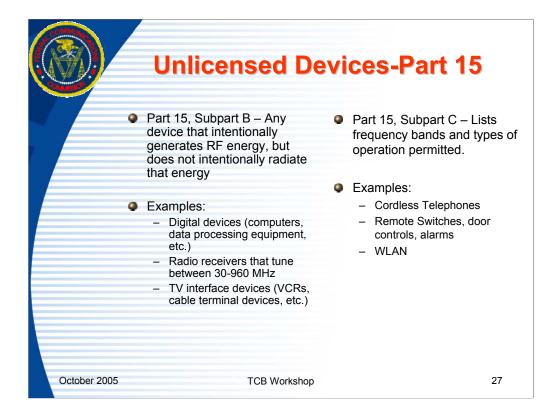
For extensions of short term confidentiality for FCC granted applications requests must be submitted at least 7 days in advance.

	Application for Inform	
	<ul> <li>2.1033(b)Part11,15,18</li> <li>Name, address</li> <li>FCCID</li> <li>User/installation Manual</li> <li>Circuit Description</li> <li>Block Diagram</li> <li>Schematics (when required)</li> <li>Measurement Report</li> <li>Photos <ul> <li>Internal, external, setup</li> </ul> </li> </ul>	<ul> <li>2.1033(c)</li> <li>Name, address</li> <li>FCCID</li> <li>User/installation Manual</li> <li>Circuit Description</li> <li>Emission Type</li> <li>Frequency Range</li> <li>Power levels &amp; max.</li> <li>Tune Up procedure</li> <li>Schematics</li> <li>Measurement Report</li> <li>Photos</li> </ul>
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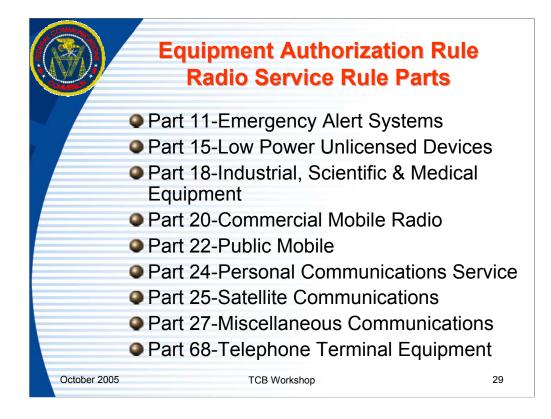




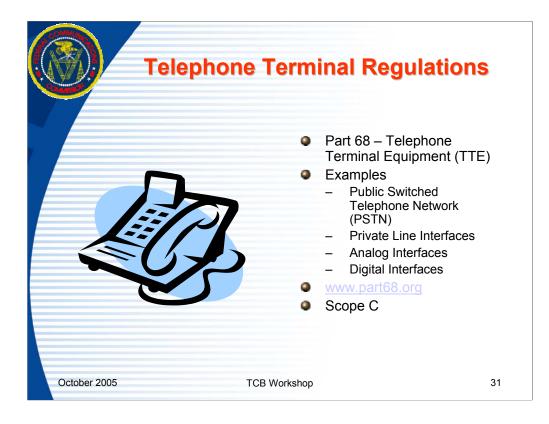




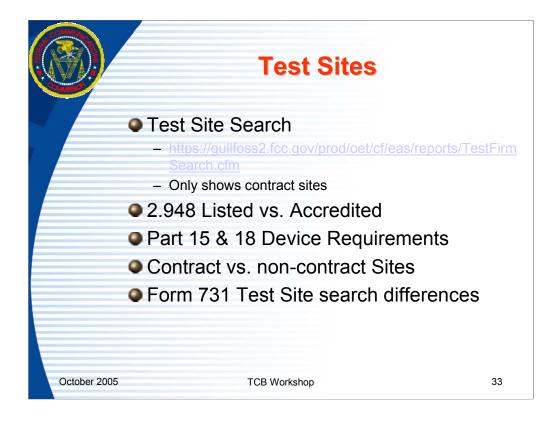


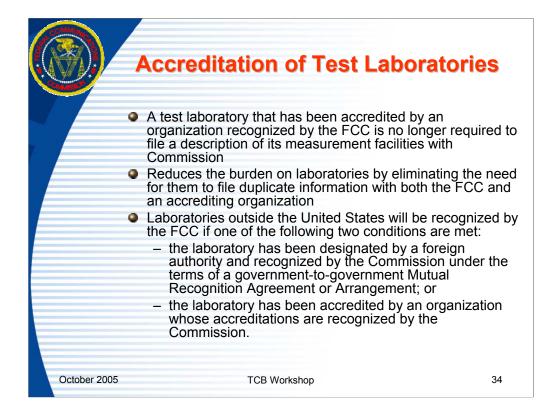






	Measurement Techniques	1
	What Measurement Techniques Should Be	Used?
r 📃	<ul> <li>A number of measurement techniques have beer identified and can be found in:</li> </ul>	l
	FCC Rules	
	<ul> <li>Radio Service have highest priority</li> <li>Part 2 rules have 2<sup>nd</sup> highest priority</li> </ul>	
	<ul> <li>Industry Standards</li> </ul>	
	<ul> <li>Text of the Report and Order</li> </ul>	
	<ul> <li>Public Notice Issued by the Commission</li> </ul>	
	<ul> <li>Knowledge Database</li> </ul>	
	<ul> <li>OET Website for Equipment Authorization General Information:</li> </ul>	
	<ul> <li><u>http://www.fcc.gov/oet/ea/Welcome.html</u></li> </ul>	
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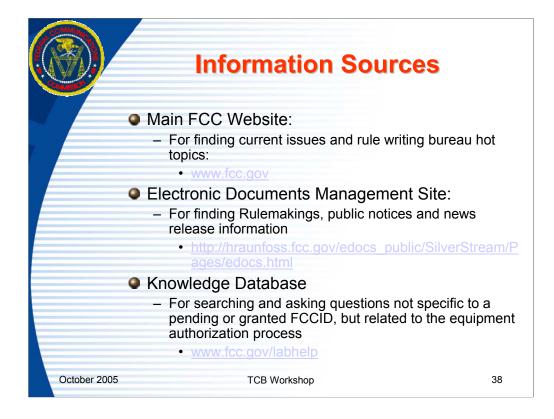


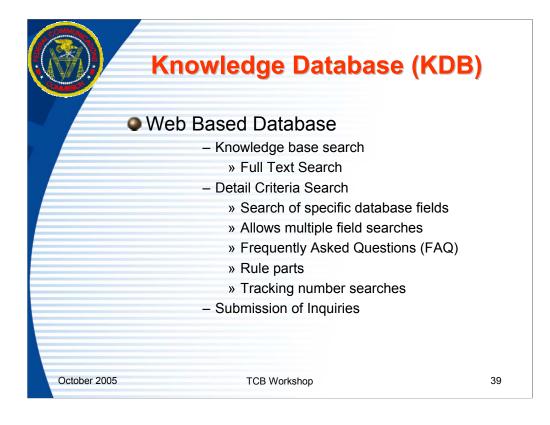


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Reports	NOTICE: OET has created two generic mailboxes for submittal of inquities to the Laboratory on Equipment Authorization issues for policy or technical issues.	2 one is for administrative issues; the
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Site Options	OFFICE OF ENGINEERING & TECHNOLOGY (OET)
Knowledge DataBase Search	LABORATORY DIVISION
Detail Criteria Search	KNOWLEDGE DATABASE (KDB) SITE
Submit An Inquiry	Welcome to the OET Laboratory Division Knowledge Database (KDB) Site. This site is designed to provide the public a means to research answers to Equipment Authorization
Reply to an Inquiry Response	questions. The Knowledge Database Search accepts a text string as input and performs an
 Category List	"OR" boolean search. The Detail Criteria Search performs an "AND" boolean search. If the result of your search does not provide a conclusive answer, you may then select Submit an
View Instructions	Inquiry. The process time for an inquiry response may be shortened by selecting a category that best matches your question. We hope that your visit to this site is both timely and
Related Sites	helpful.
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