


**FCC Part 15
Unlicensed Transmitters
Updates**

**TCB Workshop
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Consolidated information

- The Lab is in the Process of consolidating TCB presentations, KDB publications and Policies.
 - The Part 15 unlicensed transmitter presentation will be updated, include KDBs references and will be placed on the KDB website.

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We are also consolidating DFS and Modular related items.




Recently Published KDBs

- KDB 784748 – Labeling and User Information Requirements for Part 15 and 18 Devices
 - Updated to include electronic display labeling for SDRs and Modular transmitters.
- KDB 377704 - DECT CAT-iq system
 - Indicates how compliance with the UPCS rule Section 15.323(c)(5) is met
 - Provides guidance for certain long slot operations
- KDB 594280 – Country Code Requirements
 - Has the requirements for devices with manuals with instructions for Country Code settings. Devices must operate only as approved for compliance in the US. End users must not have any controls to bring the device out of compliance. Professional installers can change output power.

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The labeling requirements were updated to include electronic display for SDR and modular transmitters. Note that Electronic display only applies to SDR and modular devices. Electronic display for license modular approvals is ok. KDB 377704 explains how DECT CAT-iq systems can define the 40 duplex channel requirement in order to use the least interfered channel.




Recently Published KDBs

- KDB 443999 – Interim Guidance for UNII Device Approvals
 - Allows conditional approval of UNII devices operating in the 5475 – 5725 MHz band with radar detection and DFS capabilities.
 - devices are intended for indoor operations only;
 - devices will not permit operations on channels which overlap the 5600 – 5650 MHz band;
 - devices must meet all the other requirements specified in Section 15.407 and no configuration controls are provided to change the frequency of operations outside the grant of certification for US operation.

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Draft KDBs for Comments

- **KDB 772105 – Exempt Appliance**
 - Defines what an appliance is for exempt digital devices under 15.103(d).
- **KDB 926416 – BW Evaluation for multi-frequency Device**
 - Indicates how R/C devices operating on multiple frequencies meet the BW requirement.
- **KDB 480835 – User Manual Requirements**
 - Has the requirements and policies for User manuals in electronic form. Generally, allowed except when specific rule or policy requires it.

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Draft KDB for Wireless Chargers

- **KDB 680106 – Wireless Charging Devices**
 - Wireless chargers can go under Part 15 if information is transmitted or not. Data transmission is not allowed under Part 18.
 - For Part 18 wireless chargers, the RF must be “local” or in close proximity of the power source. If the device and source are not touching the FCC requires a case by case review. Concerning RFE, it is recommended that the device manufacturer seek guidance from the Commission as such evaluation may be necessary.
 - Approval under Part 18 and Part 15 is possible when signals are independent.
 - Also see the guidance on RF Exposure considerations for such devices

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Miscellaneous Measurement Updates

- Adoption of C63.4 and C63.10;
 - Congratulations to C63 and TCB Council
 - FCC is reviewing appropriate legal procedures for permitting their use
 - Expect announcement soon
- Power measurement techniques for 802.11 a/b/g/ n devices
 - Currently reviewing various power measurement techniques
 - Reviewing appropriate methods for use
- Plans for other 5.4 GHZ DFS equipment
 - Issue is still under investigation
 - Working with NTIA on appropriate next steps

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The End

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The slide features a blue curved graphic on the left side containing the FCC logo. The main background is white with light blue horizontal stripes. The text 'The End' is centered in red. At the bottom, there are three small text elements: 'October 2009', 'TCB Workshop', and '8'.