



EMC UPDATES

Laboratory Division Office of Engineering and Technology Dusmantha Tennakoon

Note: The views expressed in this presentation are those of the authors and may not necessarily represent the views of the Federal Communications Commission.



UNII-4

● KDB publication 291074 Finalized and published

- A CIIPC can be performed to add UNII-4.
- NII equipment class
- Restricted to indoor use
- List EIRP on form 731
- PAG Item (UN5GHz)

Side note: AFC system expected to go online end of year or early next year.



White Space

- KDB publication 416721 Finalized and published
- R&O (FCC 20-156) expanded frequency use as well as introduced two new classes of equipment
 - 2 new equipment classes:
 - i. WMO – White Space Device Mobile
 - ii. WIT – White Space Device Narrowband

Expired 2 existing equipment classes:

- i. WSF – White Space Device with Sensing Fixed
- ii. WS2 – White Space Device with Sensing Mode 2

Reclassified an existing equipment class:

- i. WS1 – White Space Device with Sensing ~~Mode 1~~



Note Codes

Note codes 38, 39, 48 & 49 have been expired since deadlines have passed and not required to be used anymore

- 38 This device has shown compliance, in all grant-listed U-NII sub-bands, with the new rules for U-NII devices adopted under Docket No. 13-49 and may be marketed, manufactured or imported after the June 1, 2016 transition deadline.
- 39 This sub-band complies with the new rules for U-NII devices adopted under Docket No. 13-49. This device may not be sold or marketed after June 1, 2016, unless all grant-listed U-NII sub-bands demonstrate compliance with Docket No. 13-49.
- 48 The device has been approved under § 15.407(b)(4)(ii) for antenna gains greater than 10 dBi and cannot be manufactured, marketed, sold or imported after March 2, 2018.
- 49 The device has been approved under § 15.407(b)(4)(ii) for antenna gains of 10 dBi or less and cannot be manufactured, marketed, sold or imported after March 2, 2020.



Equipment class

Equipment class DXT has been expired.

DXT – Part 15 Low Power Transceiver, Rx Verified

Use DXX if applicable.

DXX – Part 15 Low Power Communication Device Transmitter

Send KDB inquiry if TCB needs to perform C2P change on DXT.



Test Reports

1. FCC Test reports should have plots for band edge, Power, PSD at a minimum. A test report with tables only will not be sufficient.
2. If antenna gain is measured a test report is required to be submitted with the application.
 - i. Antenna gain report shall follow all the requirements of a test report
 - ii. Test report shall be uploaded to the “Test Reports” Exhibit folder
3. If OFDMA is supported partial RU (Resource Unit) configurations will need to be tested.



Questions?

THANK YOU