



EMC UPDATES

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



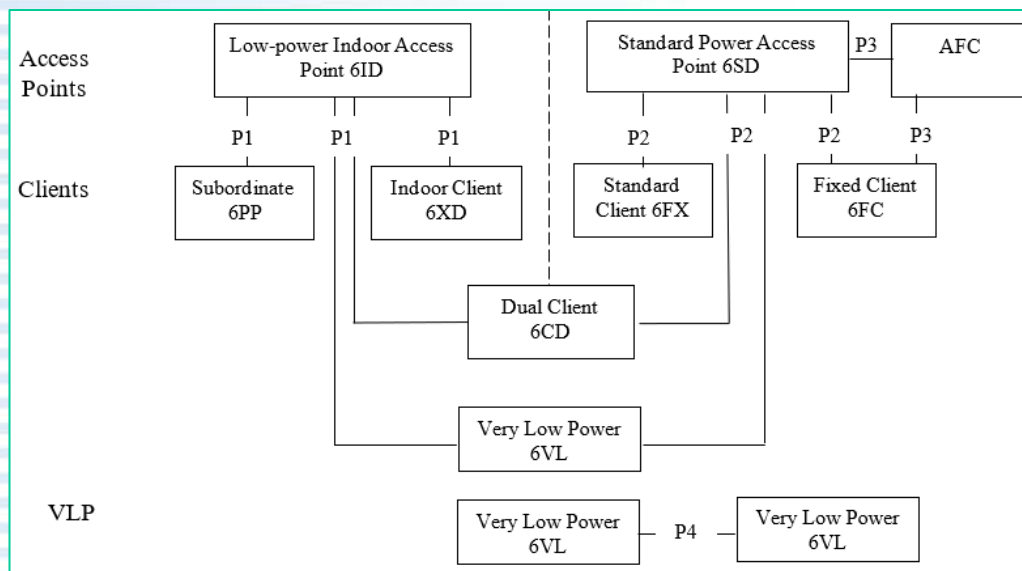
U-NII-5-8

- Updated KDB publication 987594 published to address VLP device certification

Published on October 10th, 2024

6VL – Very Low Power devices

24 devices certified so far, i.e., 24 unique FCC IDs.





U-NII-5&7 (VLP)

- Transmit Power Control (TPC) Required (attestation + data required)

A feature that enables a U-NII device to dynamically switch between several transmission power levels in the data transmission process.

- Showing the power can be reduced in increments using Command Line Interface (CLI) or other means is not acceptable.
 - Provide details as to what causes dynamic TPC, i.e., RSSI, bandwidth, other?
- Need to prioritize channels above 6.105 GHz (attestation + details required)
 - Random hop sequences across the entire band is not necessarily sufficient and may not be accepted.



15.223 Operation in the band 1.705-10 MHz

- Carrier swept systems are allowed to sweep through restricted bands per Section 15.205(d)1.

Swept frequency field disturbance sensors operating between 1.705 and 37 MHz provided their emissions only sweep through the bands listed in paragraph (a) of this section, the sweep is never stopped with the fundamental emission within the bands listed in paragraph (a) of this section, and the fundamental emission is outside of the bands listed in paragraph (a) of this section more than 99% of the time the device is actively transmitting, without compensation for duty cycle.

Carrier hopped systems are NOT allowed to operate in restricted bands. This system must avoid hopping on discrete frequencies in the restricted band.



Part 25 – Supplemental Coverage from Space (SCS)

- KDB pub. 273109 D02 released on 06/05/2024.
- Revised on 10/02/24 to clarify that the start date for the 6-month period for the temporary waiver to expire has not been announced yet.
 - Therefore, the end date is not 11/30/24 as originally published in KDB.
 - The waiver is effective immediately upon adoption of the rules, i.e., 5/30/2024 and extends until a date to be announced in a subsequent public notice.
 - The PN is expected soon.
- Important dates:
 - 06/29/2024 – devices certified after this date do not qualify for the temporary waiver of 2.1043(c), 2.911(c) & (e) to add SCS capability.
 - xx/xx/2025 – after this date the temporary waiver ceases to exist.
- Use grant note 07 on EAS form 731.



Part 15/74 – Wireless Microphones

- R&O FCC 24-22 allows Wireless Multichannel Audio Systems (WMAS) to operate in the broadcast (TV) bands and other Part 74 LPAS bands on a licensed basis.
- To be published in the Federal Register.
- Will update KDB pub. 206256 to include new requirements. Do not approve WMAS devices until further notice from FCC.



Communications with TCBs

- From time-to-time, the FCC needs to contact TCBs for various reasons. The correspondence could be a RT in relation to a form 731 application or some other matter related to the TCB. Typical time allowed for a response is 30 days.
- We are seeing an increase in non-responsiveness.
 - TCB is responsible for updating TCB contact of record.
 - Good practice is to use a generic email for the TCB that several employees have access to.
 - TCB needs to respond by the due date even if only to ask for an extension.



Communications with TCBs

- Failure to respond may cause the FCC to notify their Designating Authority and Accrediting Body leading to removal of recognition.
- If the RT is regarding a particular application the FCC may dismiss the application and defer the grantee code if:
 - The application violates FCC rules
- The FCC will treat every occurrence on a case-by-case and determine appropriate action.



Questions?

THANK YOU