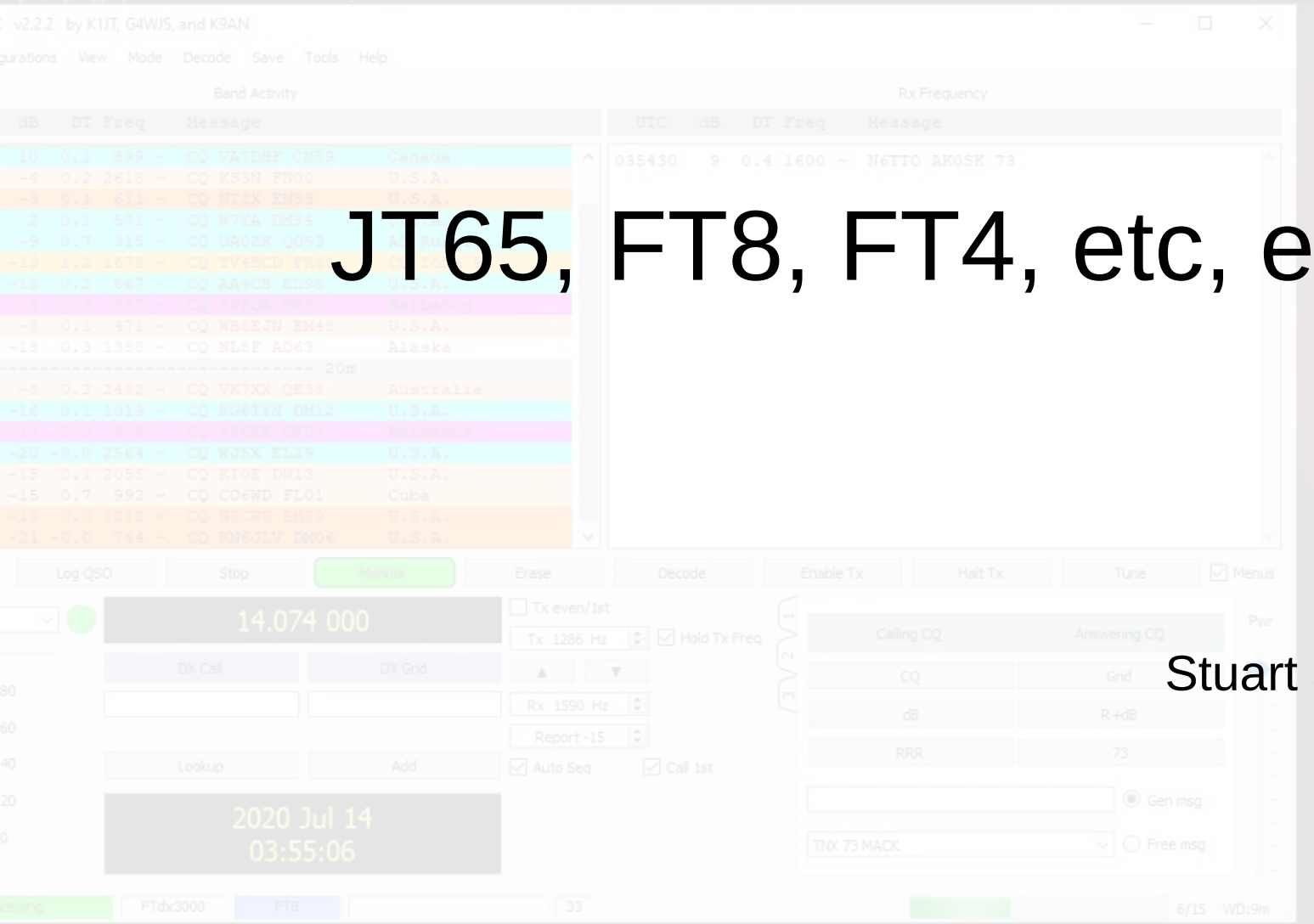

JT65, FT8, FT4, etc, etc...

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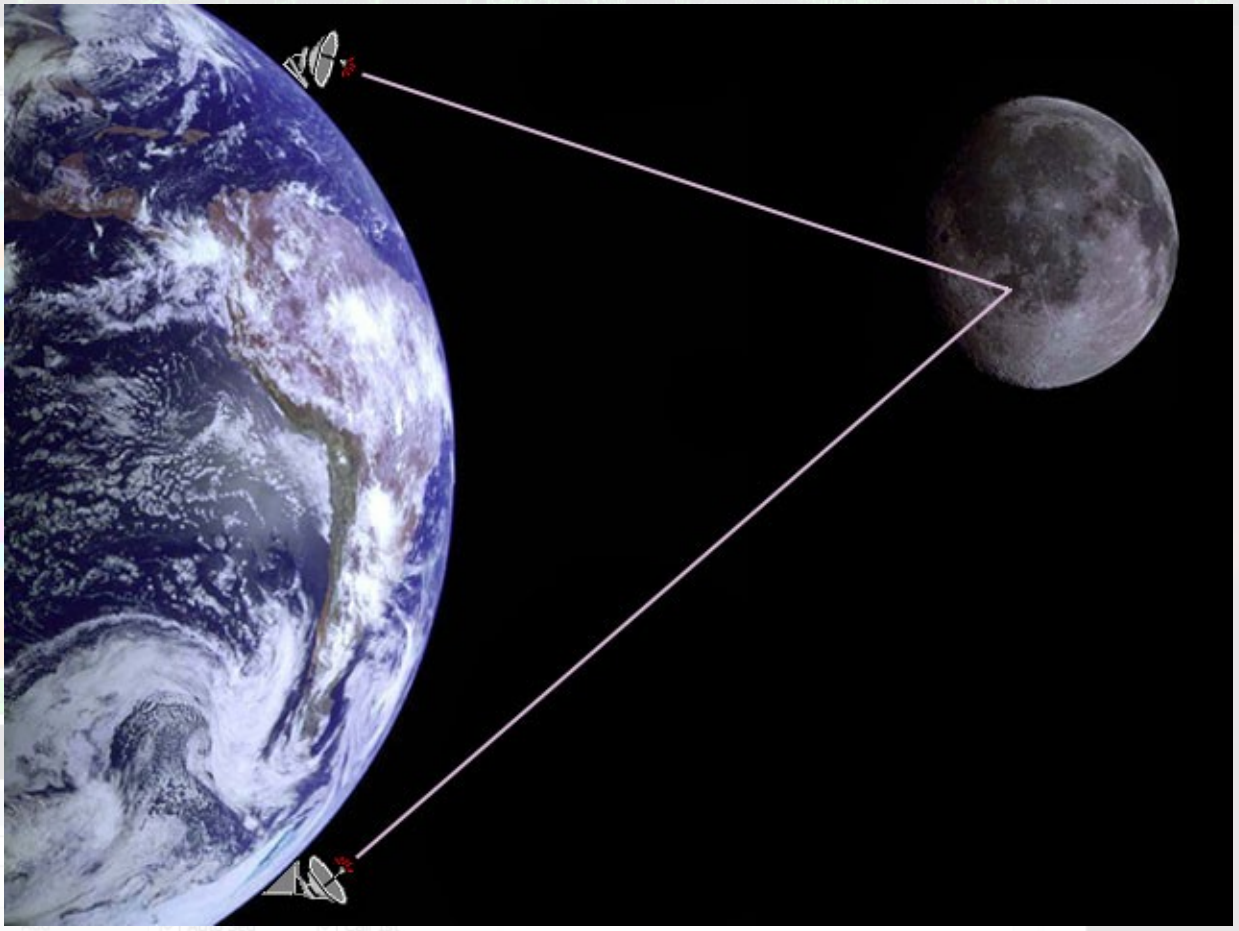
http://ag6ag.org

History of EWS Protocols



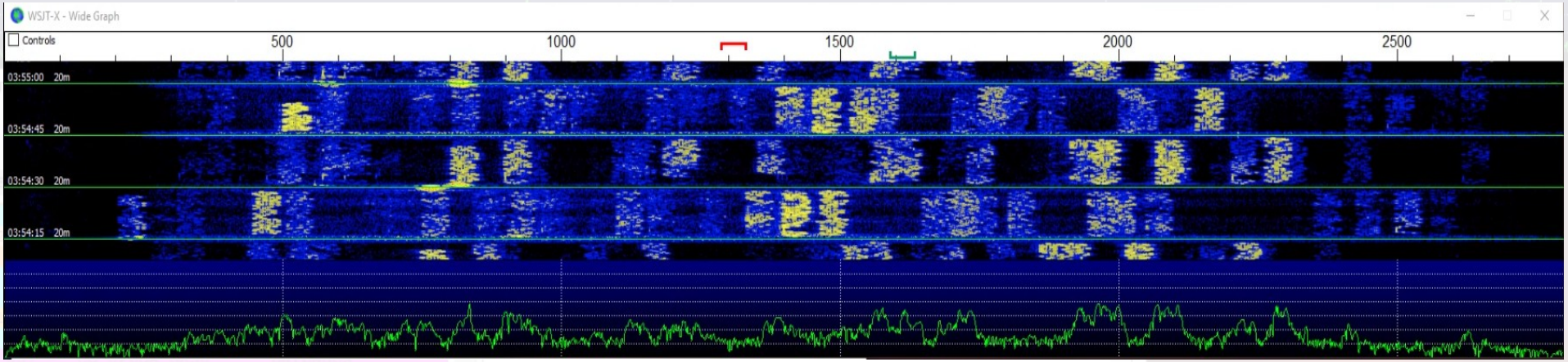
Protocol Differences

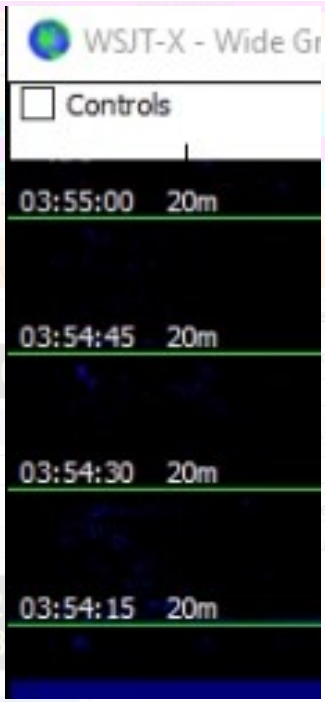
- JT65
  - Can decode signals many DB below the noise floor.
  - Signals are encoded and compressed then packaged for error correction
  - MFSK with 65 tones at 4hz width
- FT8
  - Four times faster then JT65 with roughly the same sensitivity.
  - GFSK Gaussian?
  - 15 seconds per transmission
- FT4
  - Twice as fast as FT8
  - 7.5 seconds per transmission

Software Packages

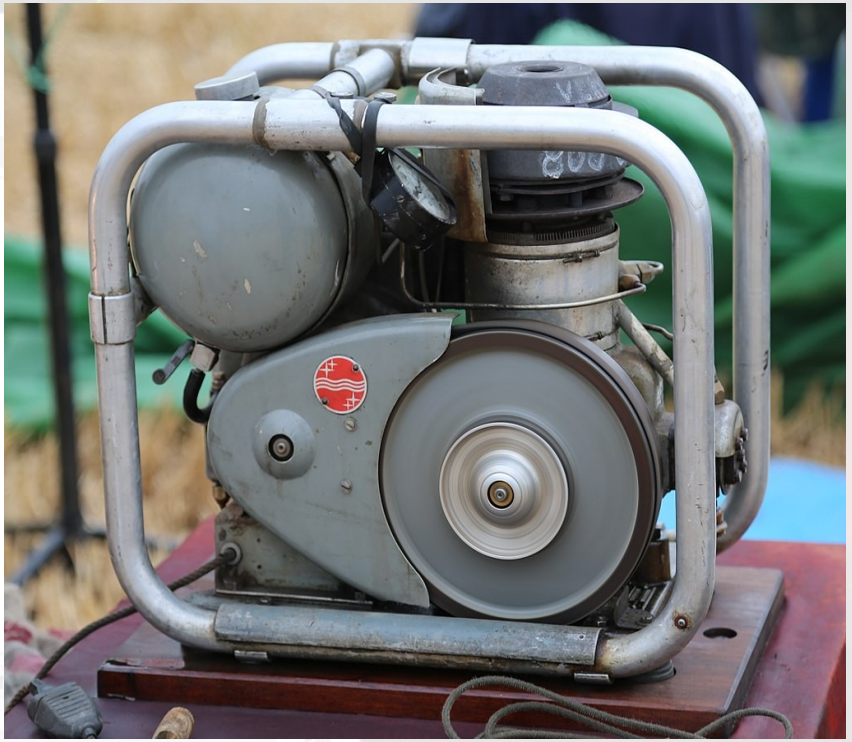
- WSJT-x – Father of them all
- JTDX – Fork of WSJT-x
- JTAlert – Graphical Overlay for WSJT-x
- JS8call – Strange new use of FT8
- Others???

Time Synchronization

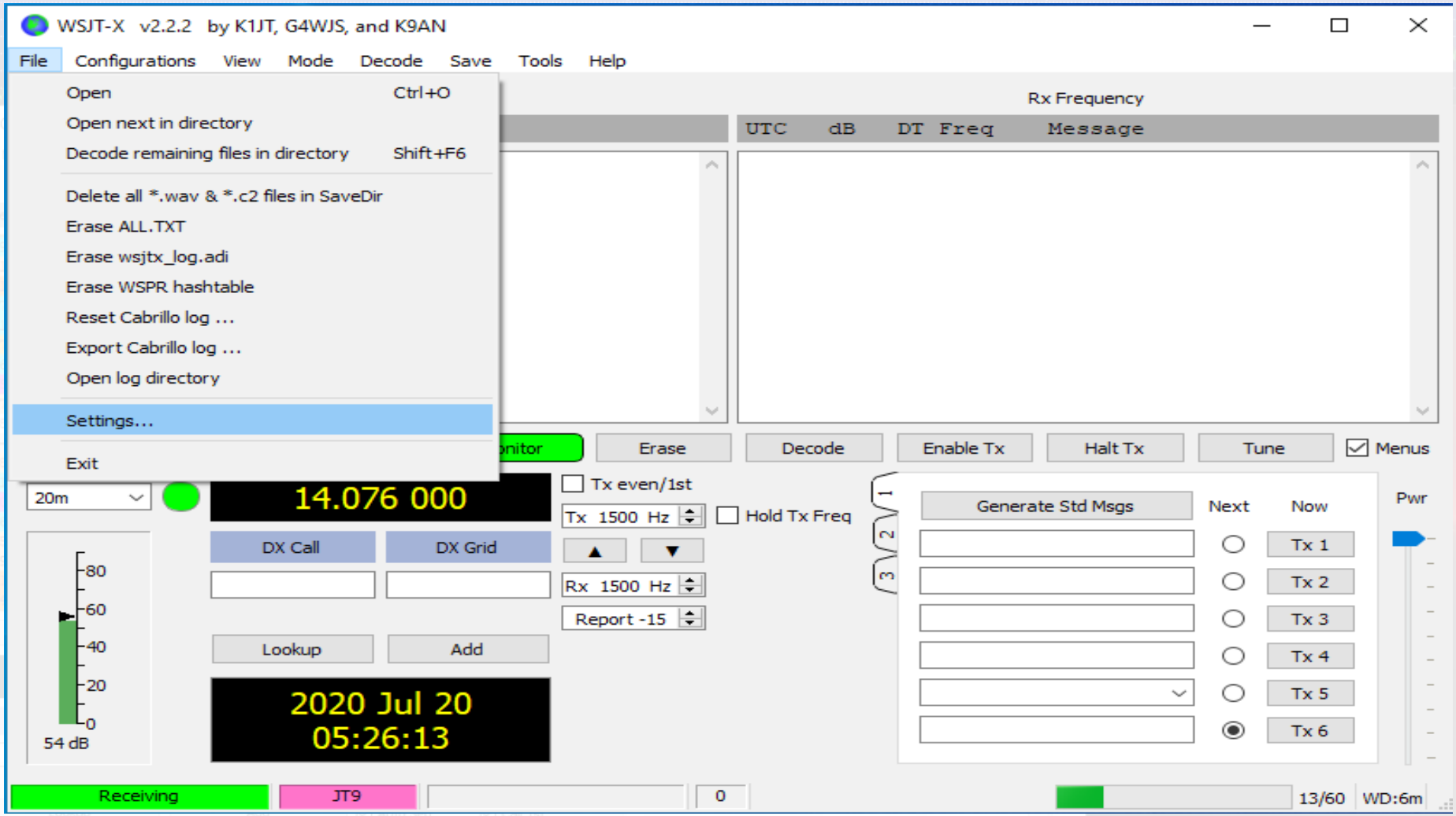




PC Horsepower



Getting Setup



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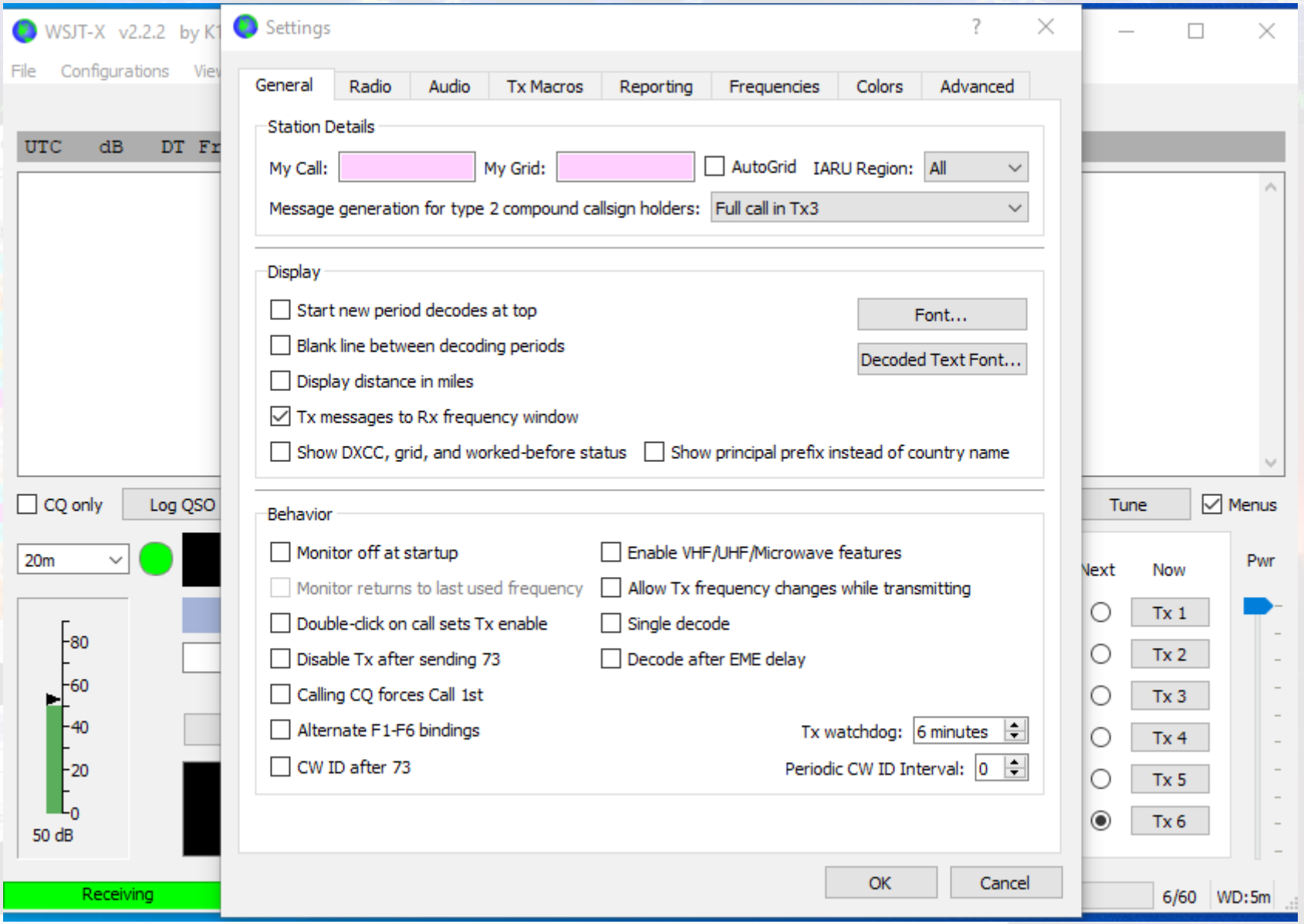

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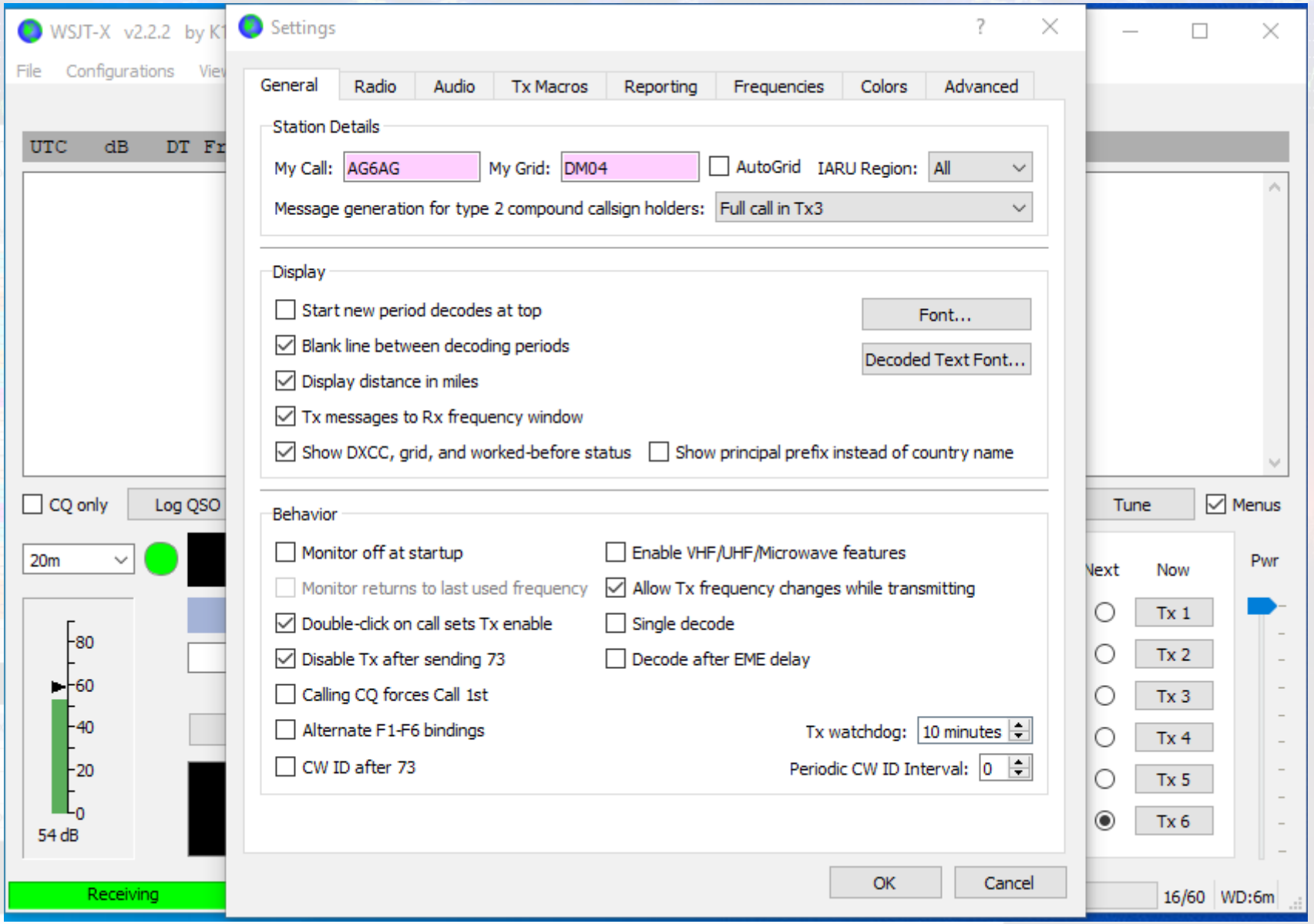

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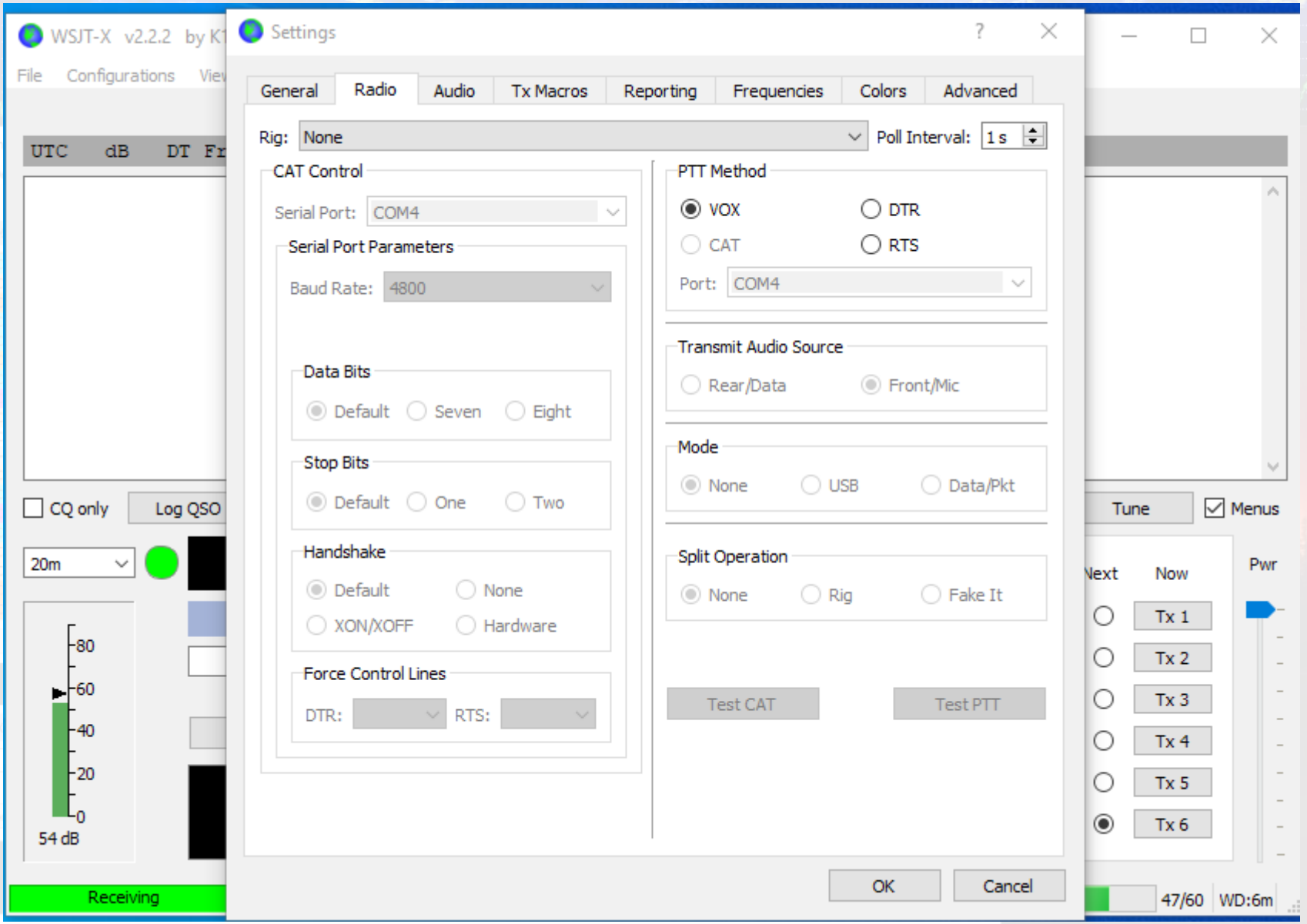

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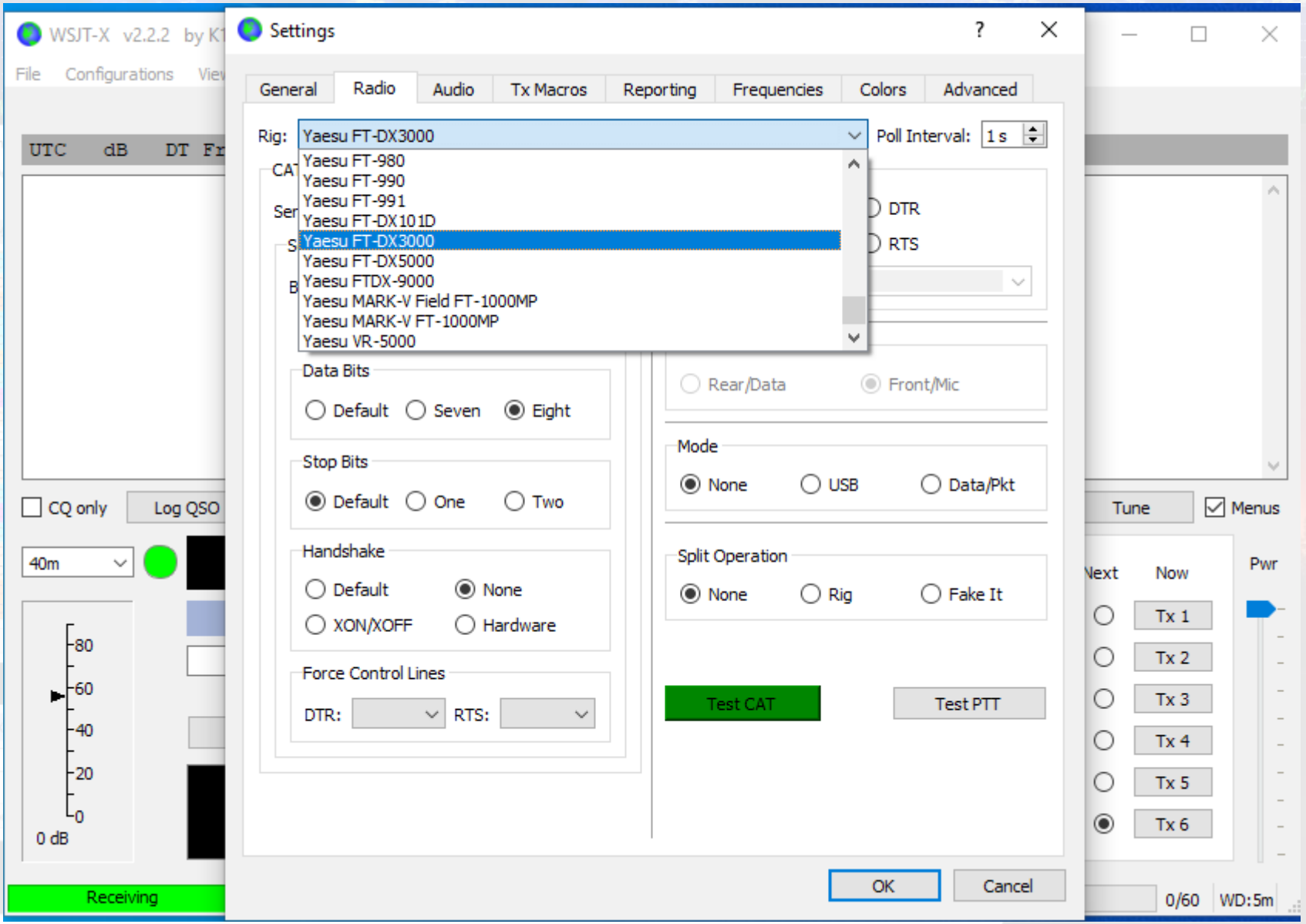

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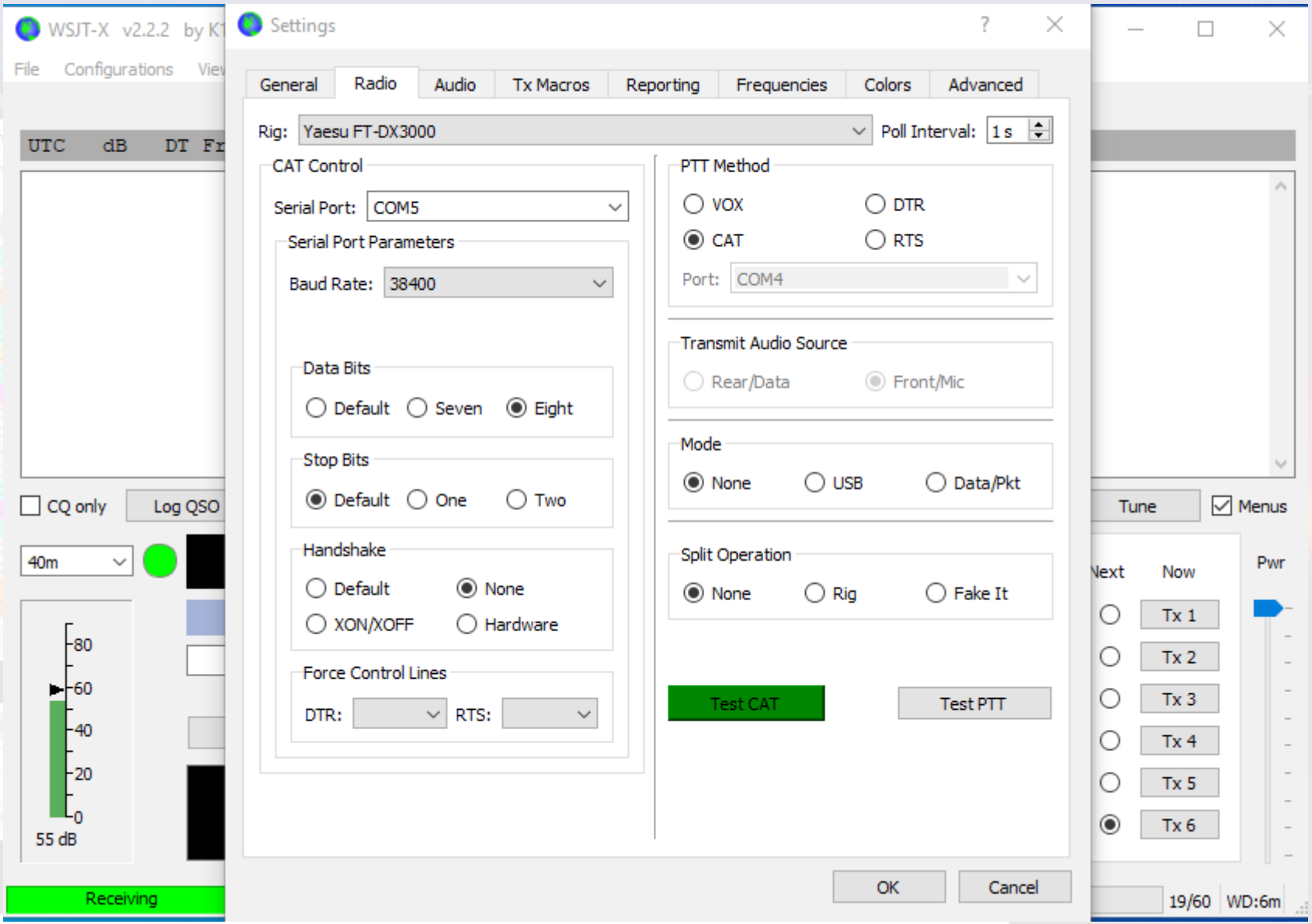

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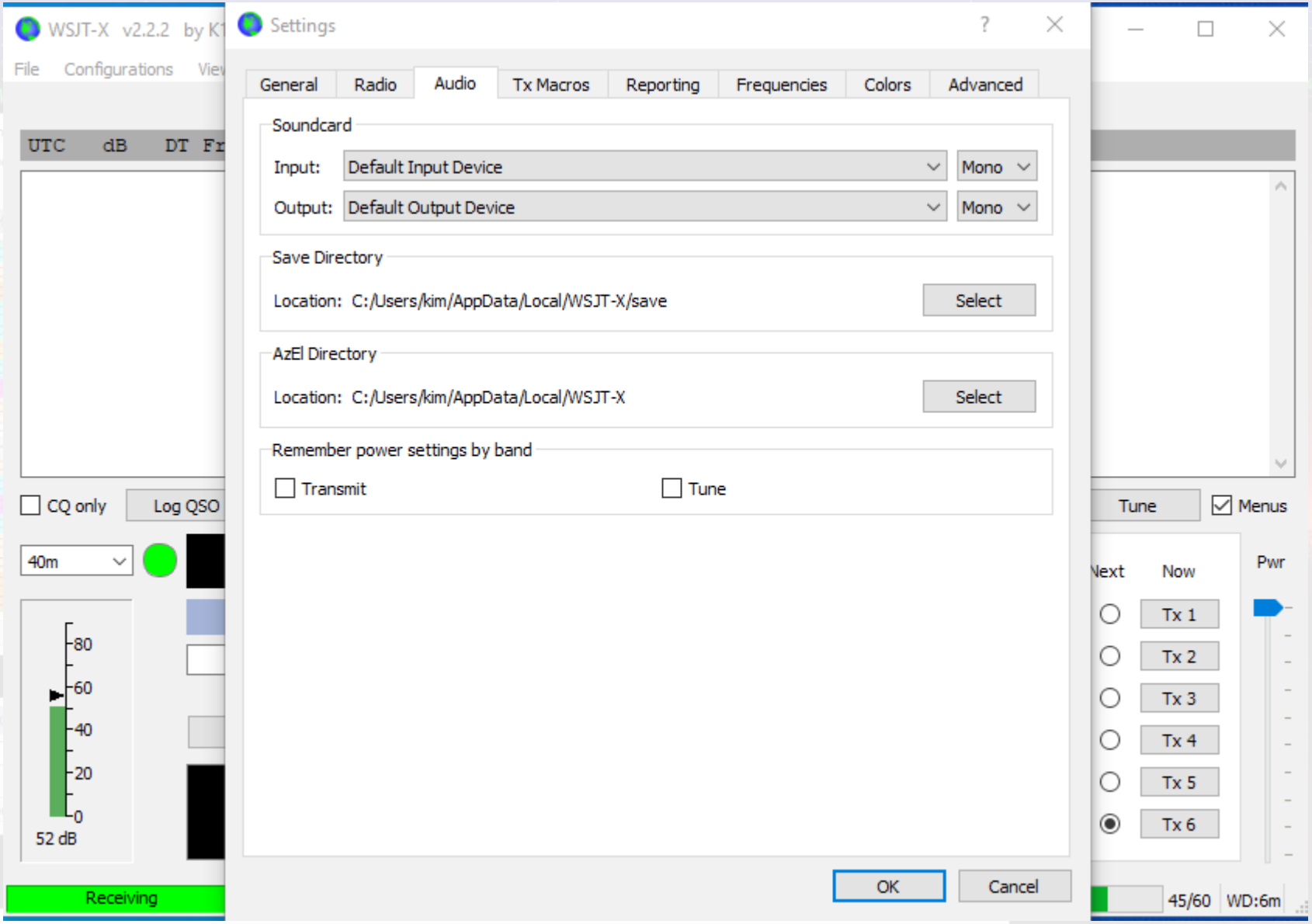

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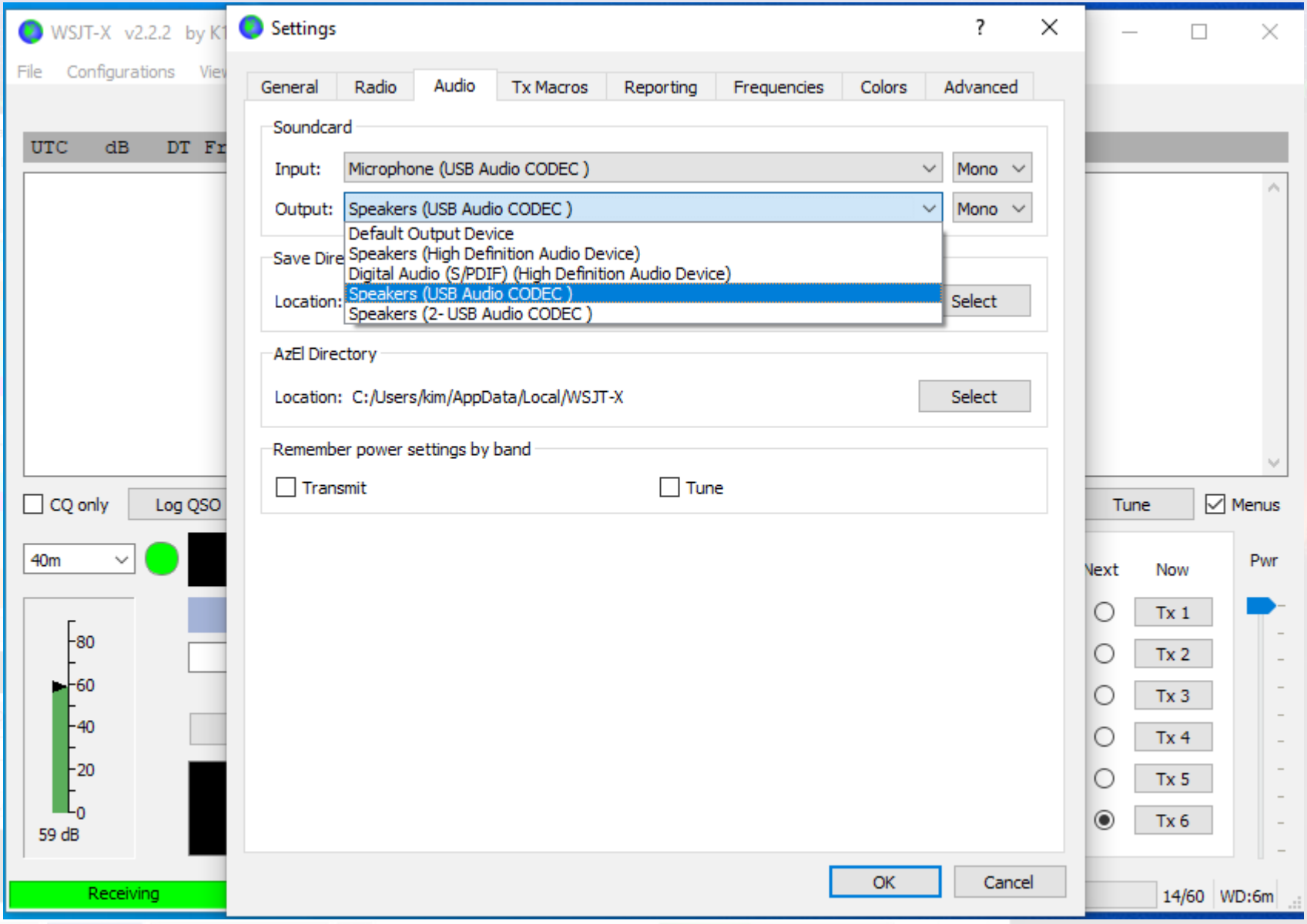

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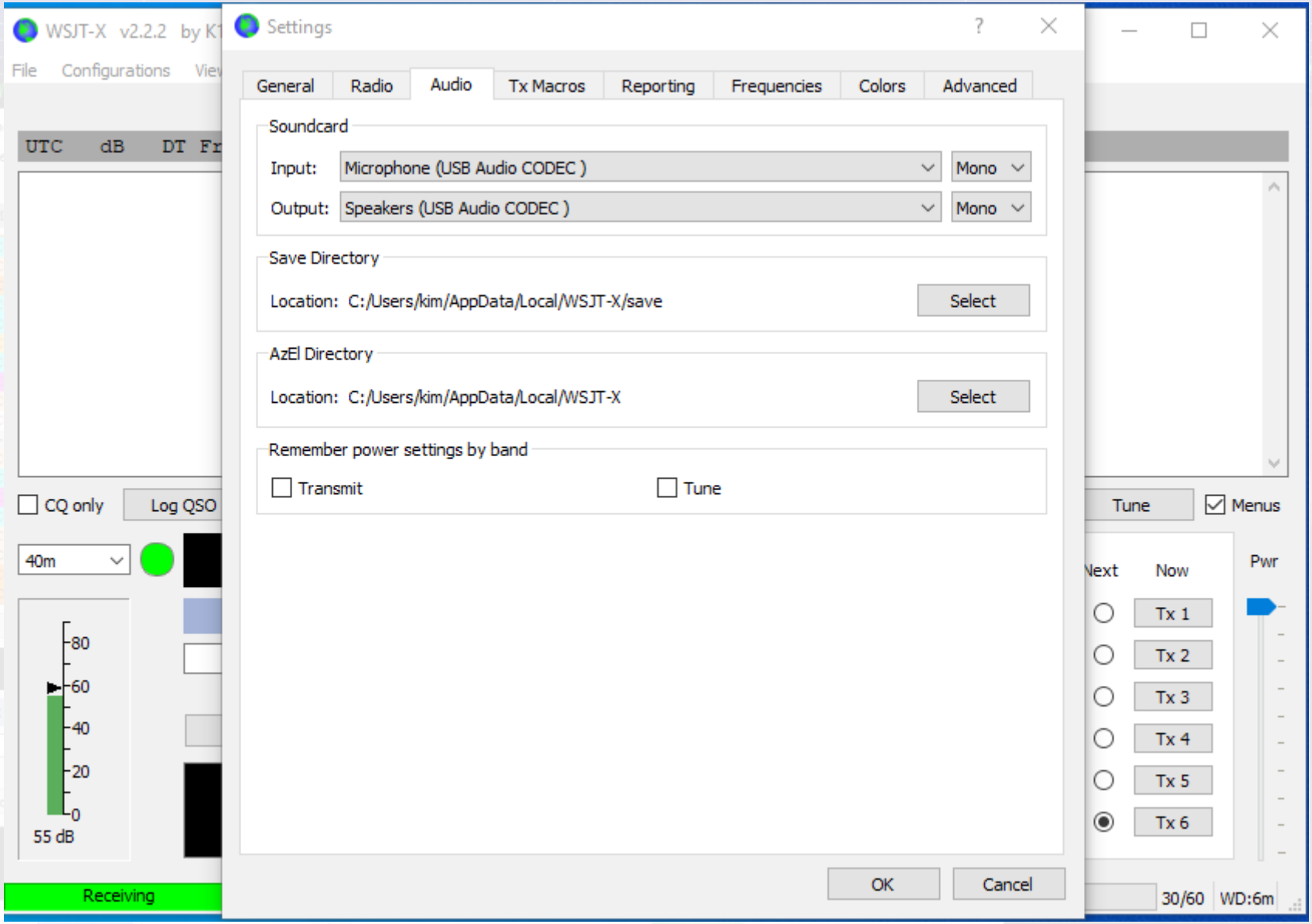

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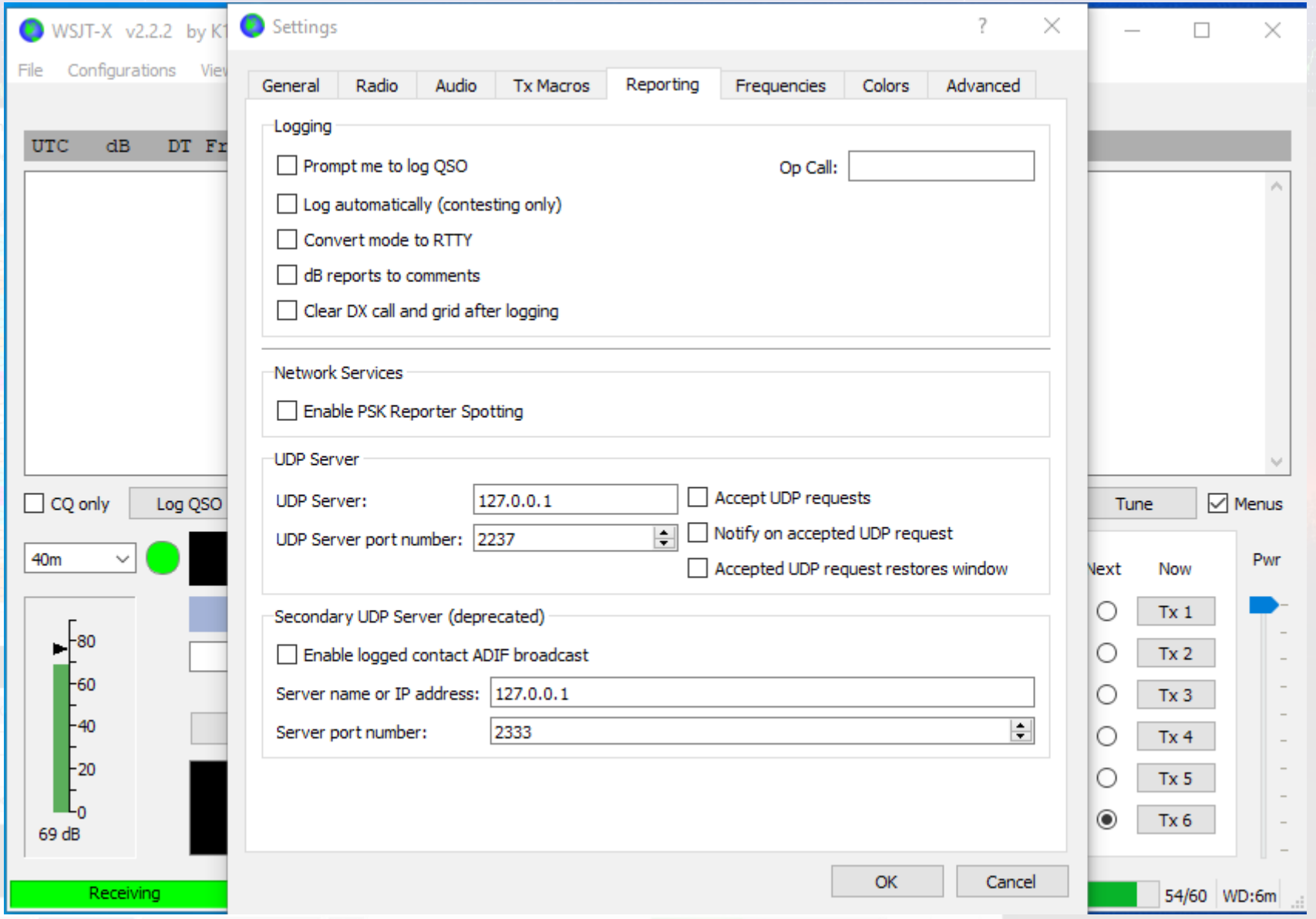

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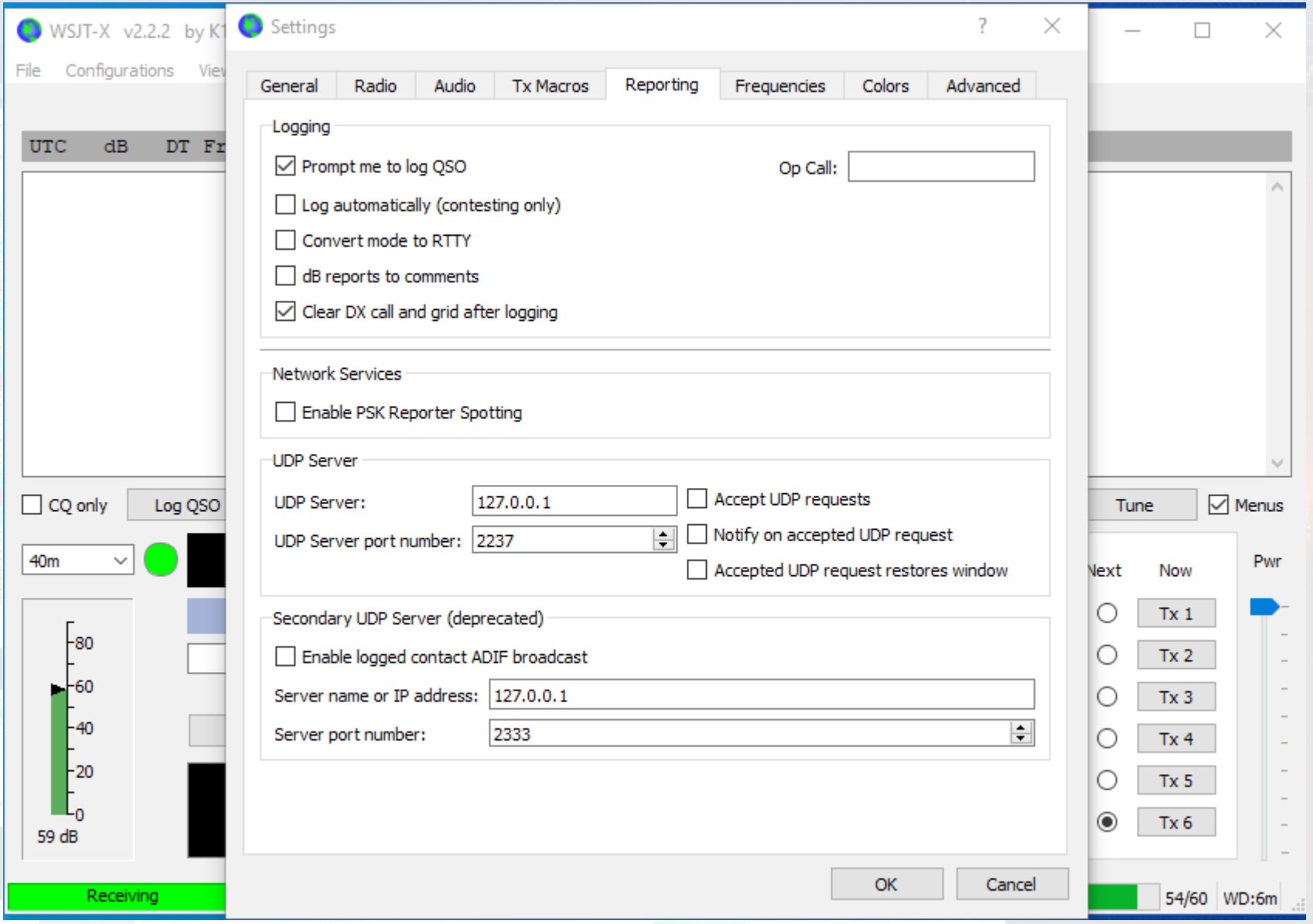

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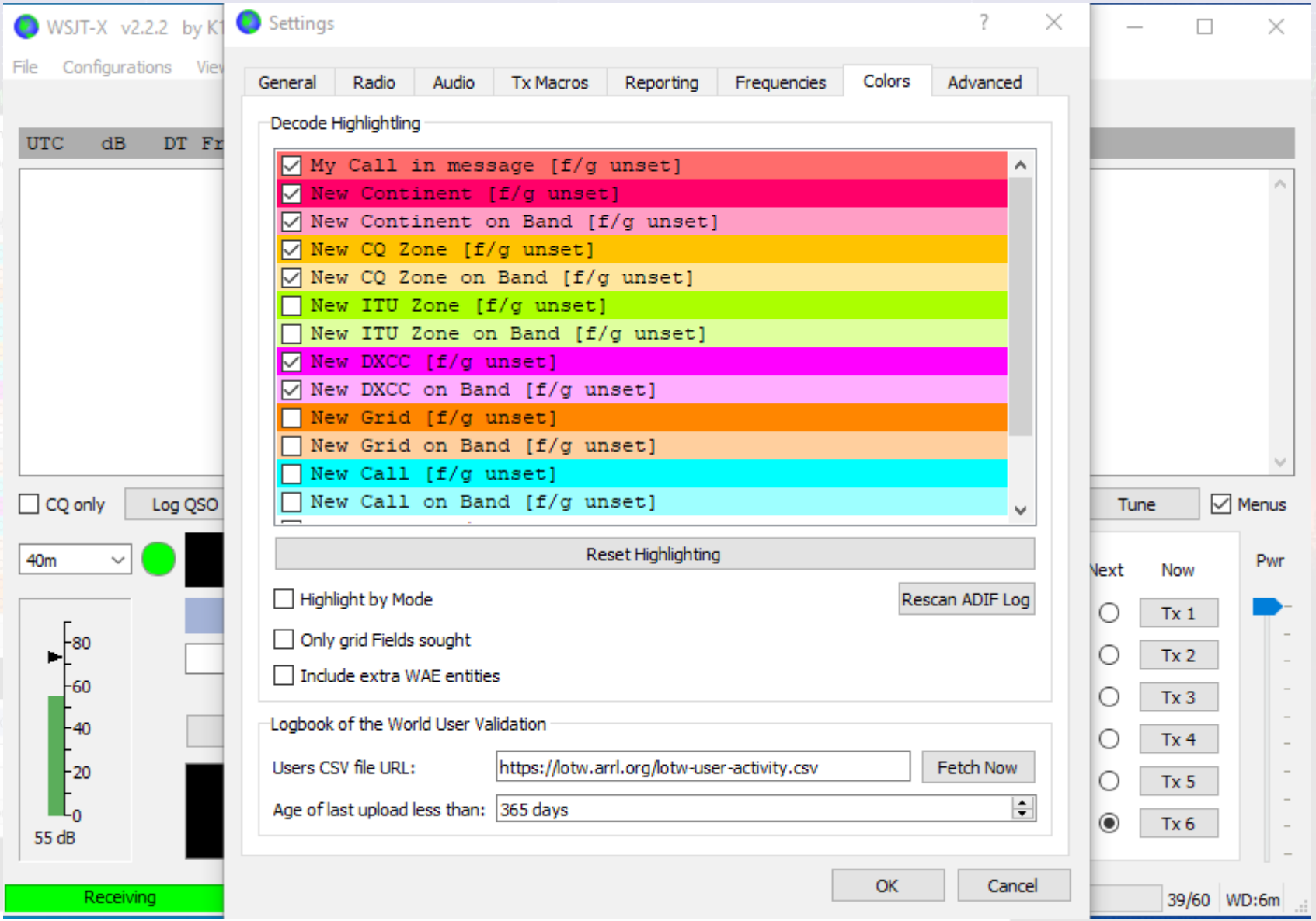

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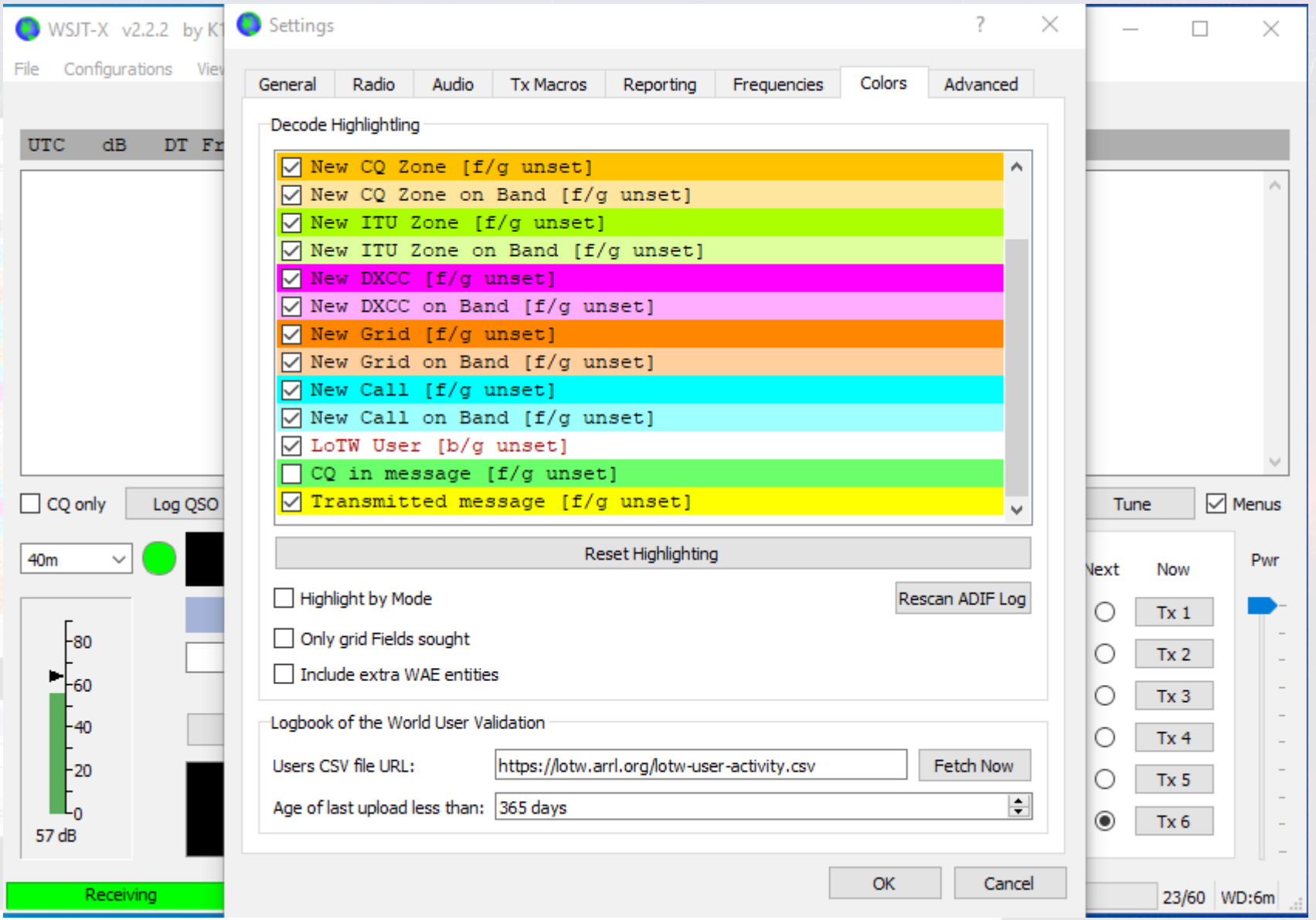

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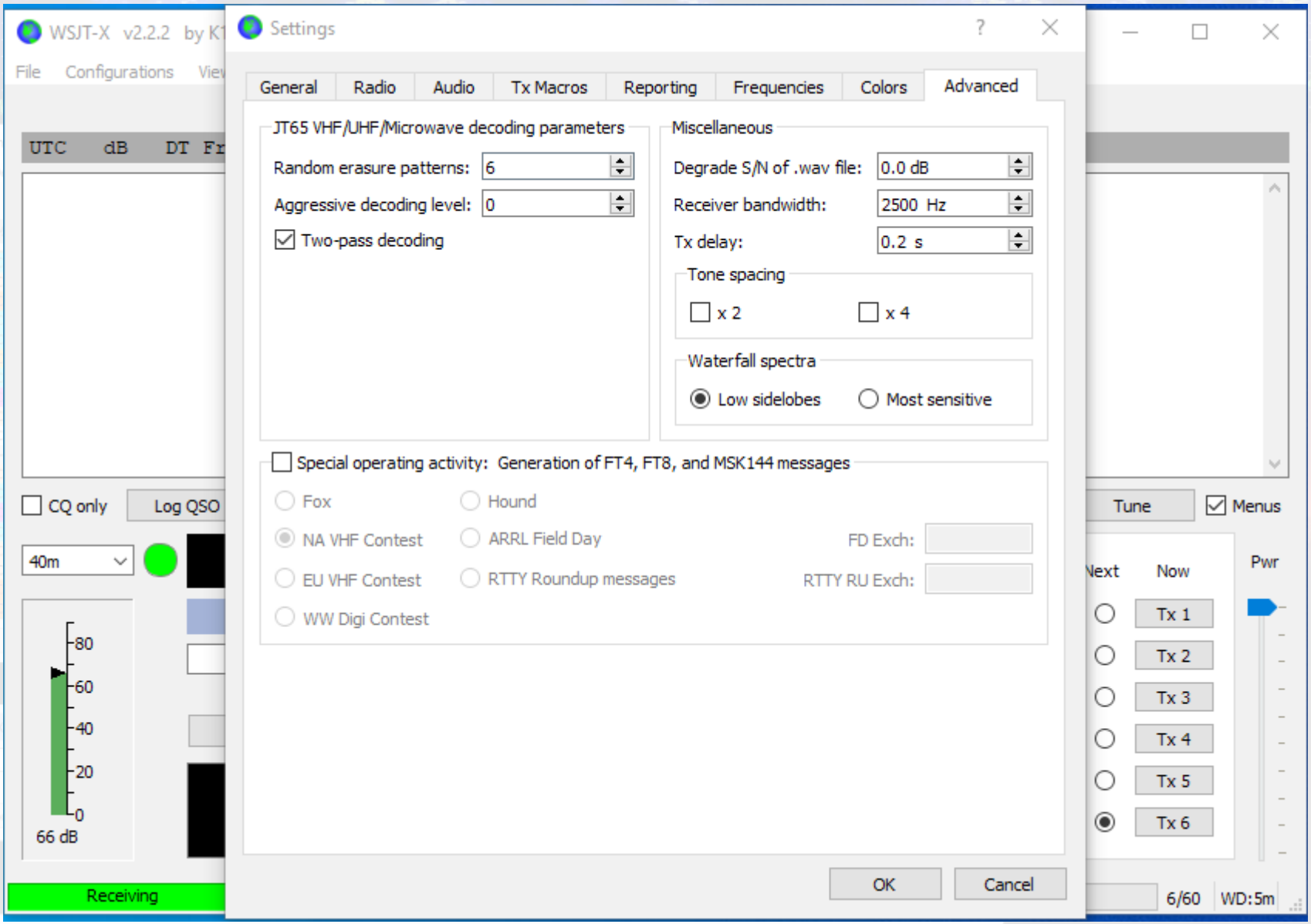
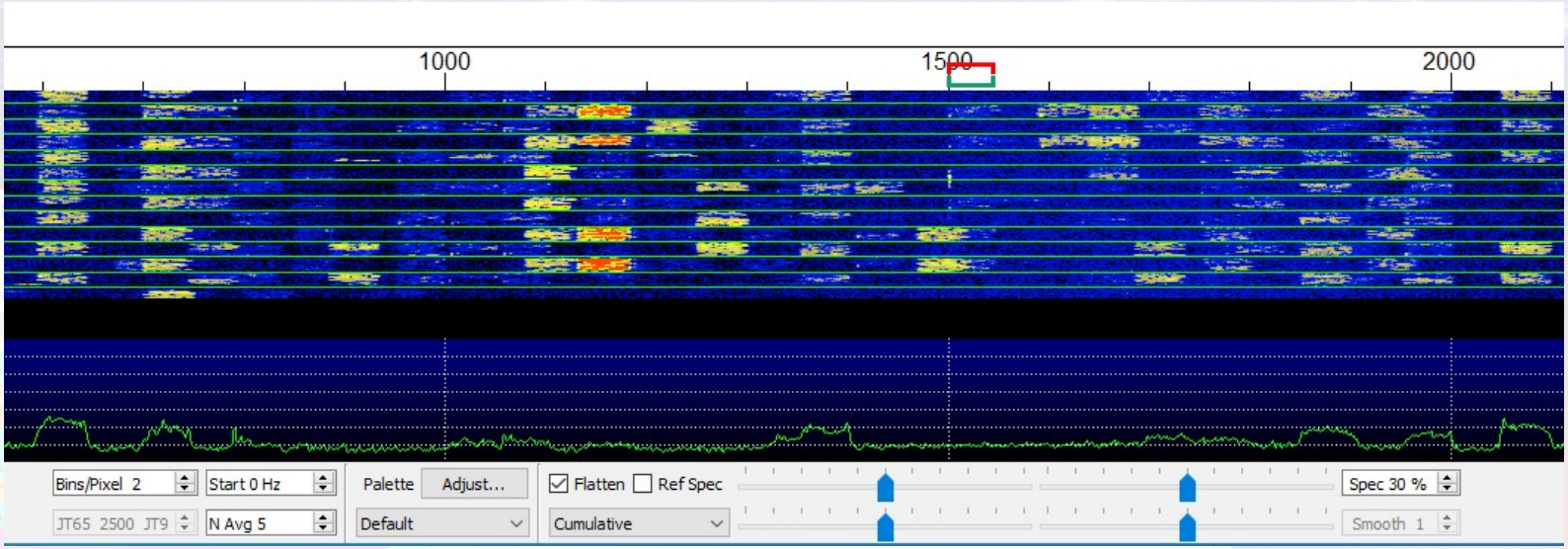
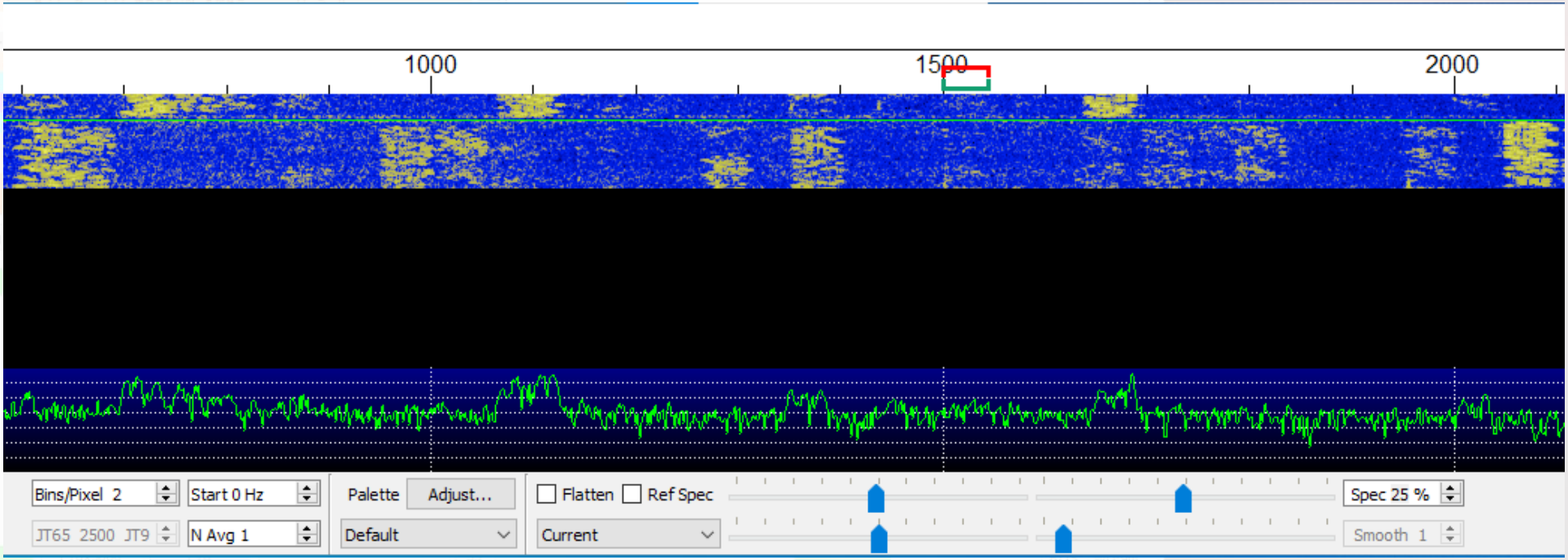
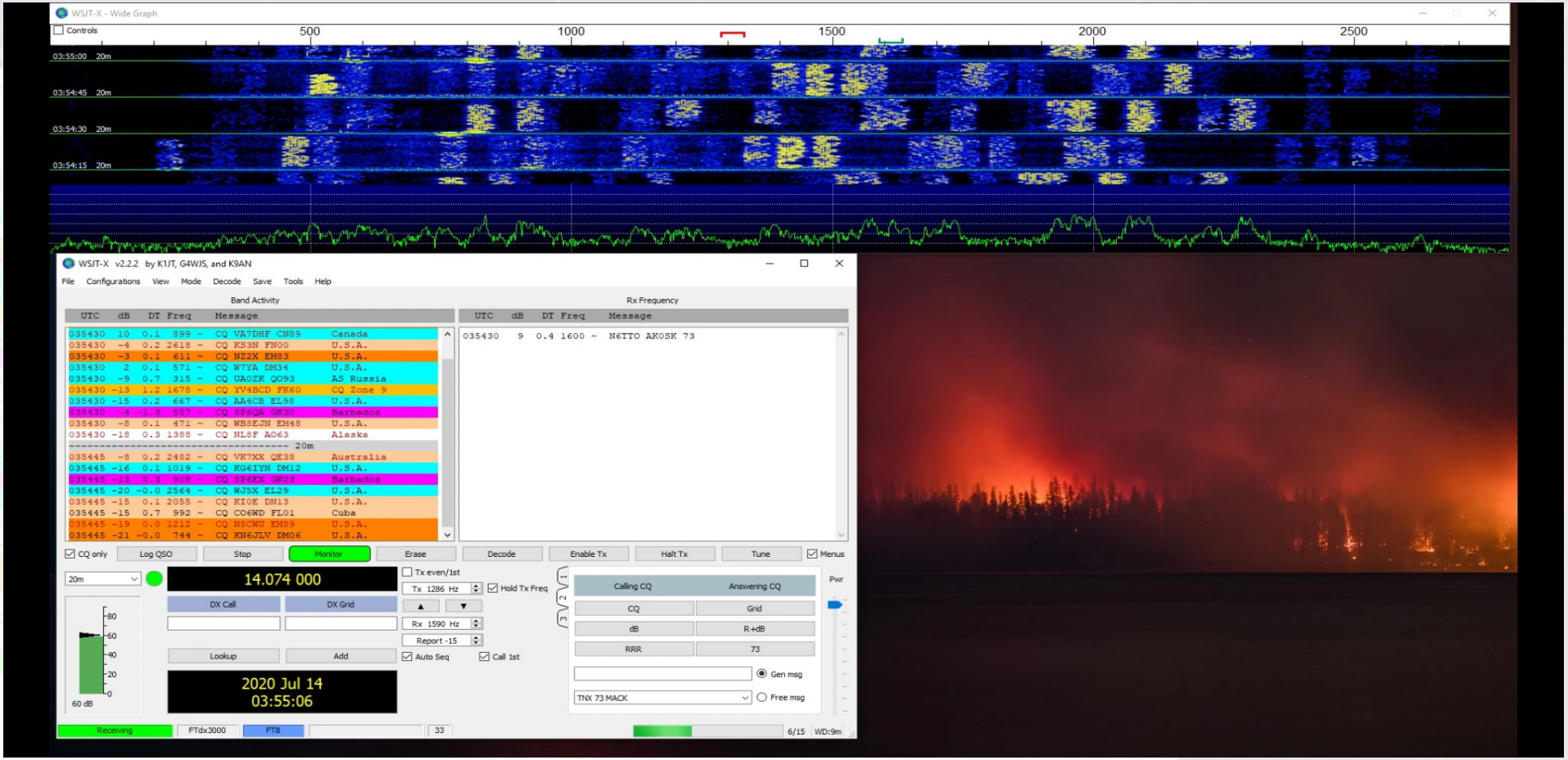


Getting Setup





Running WSJT-x