



# Replacing the MiniTiouner

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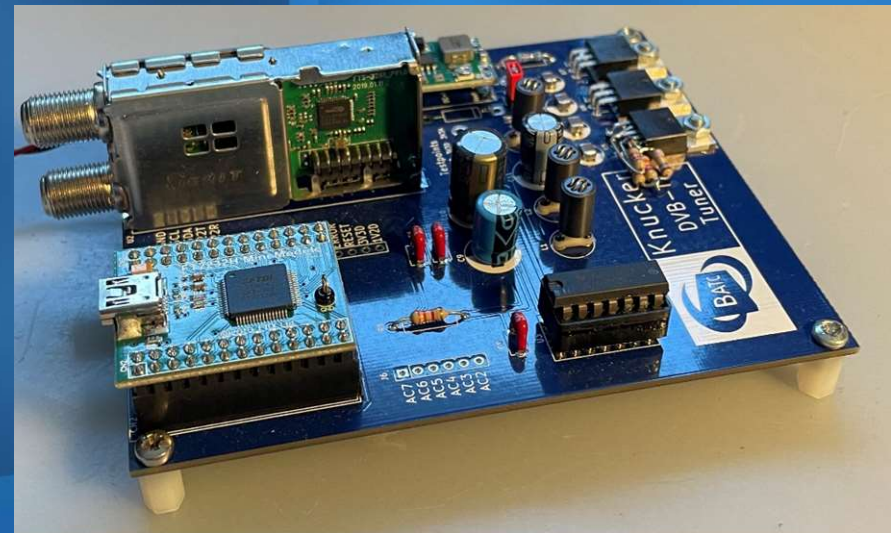
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CAT23  
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# Topics

- Why
- Initial Thoughts
- Promising options
- What next





# Why?



- Serit FTS-4335 and FTS-4334
- Most capable known tuner for RB-TV
- Production has ceased – last buy 400
- ICs no longer available?
- No simple replacement



# Initial Thoughts

- 1) New software for an existing tuner
- 2) Build a new tuner and new software
- 3) SDR or tuner chip and custom FPGA  
and new software
- 4) SDR with custom software on PC  
or Raspberry Pi 5?



# New Information

- ICs in FTS-4335 may be available
- Si2166D Demodulator used in SF8008 is available
- SDRAngel is usable, but fiddly



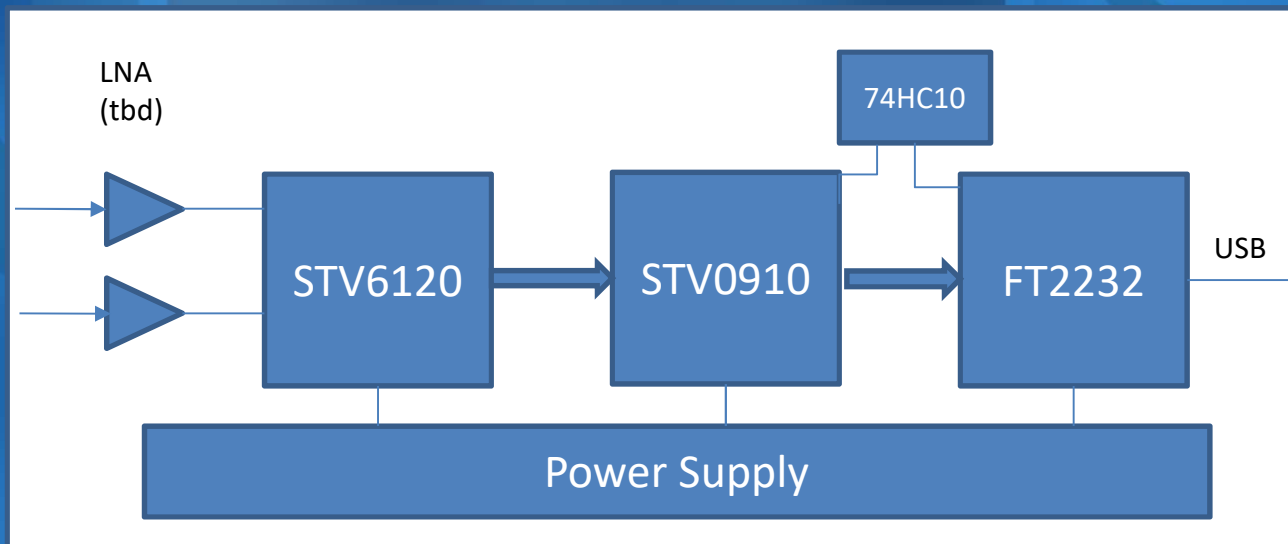
# Investigations

- Can we source chips and build an “FTS-4334 look-alike”?
- How practical is it to use an Si2166D?
- Could there be a more usable version of SDRAngel?



# FTS-4334 look-alike

- Single PCB



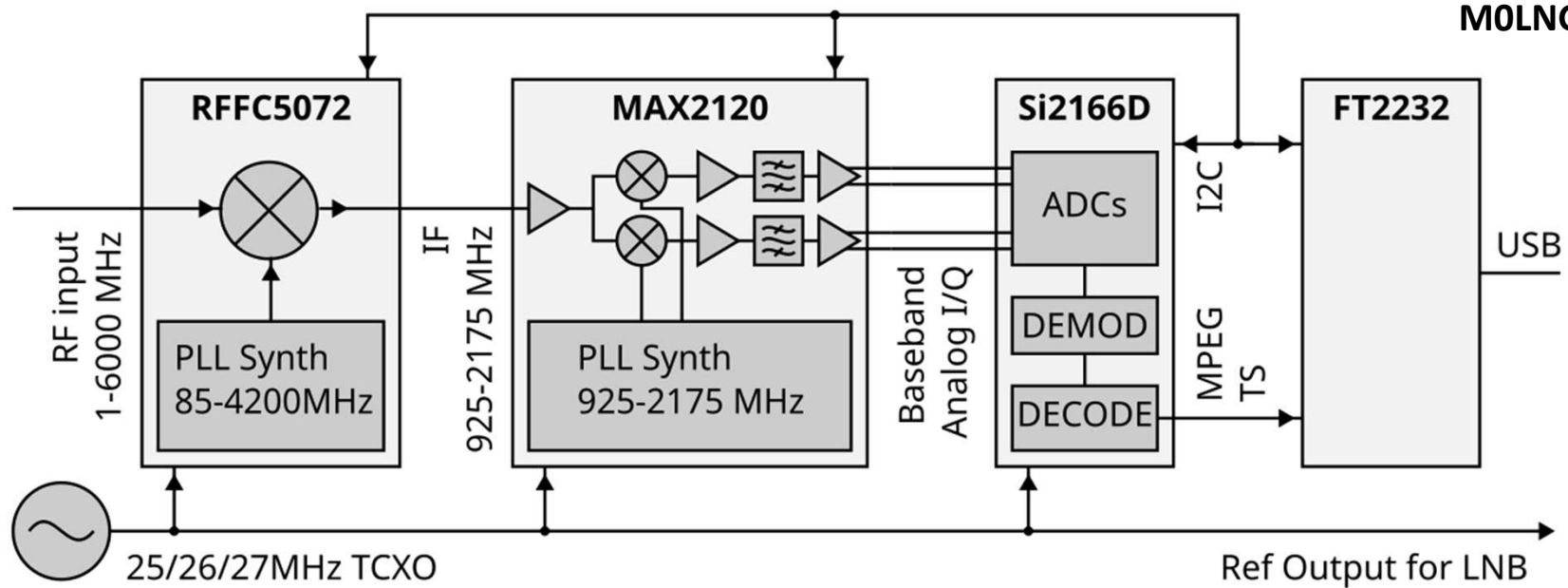




# Proposed Si2166D Tuner

Minitiouner replacement - Option 2 (hardware solution) - possible chipset

Credit:  
MOLNG







# SDRAngel or Similar

- “DATVAngel” ?
- Raspberry Pi 5 unlikely to be suitable
- High-end PC: Windows/Linux?
- Needs to have auto-FEC
- Performance penalty?



# Current Activity

- Checking availability of supply
- Working through potential performance issues
- Estimating costs
- Manufacture/sales model?

The BATC logo is a black square with the letters 'BATC' in white, tilted slightly to the right. It is surrounded by a blue circular swoosh that appears to be part of a larger graphic element.

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# Questions

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