A batch of 100 unit Si5351C that I ordered a long time ago has finally arrived. This means we have the most critical part in stock now for a first batch.

The main problem now is the uC situation. We originally chose the SAMD1x and later SAMD2x as they are lower cost and lower complexity compared to the SAM3S or other uC we use in other designs. However, SAMD21 are not available on the market today. One variant might be available in November 2022, while others have lead times to July 2023.

So what uC to use? For example, RP2040 would be available in quantity at ultra low cost. Disadvantage: no internal Flash, so we’d need a SPI flash. Alternatively use something like “RP2040-Zero”: https://www.waveshare.com/rp2040-zero.htm?sku=20187 which is a small daughterboard with RP2040 + SPI flash + USB-C...