

cBPM Position Resolution Measurement in 2025

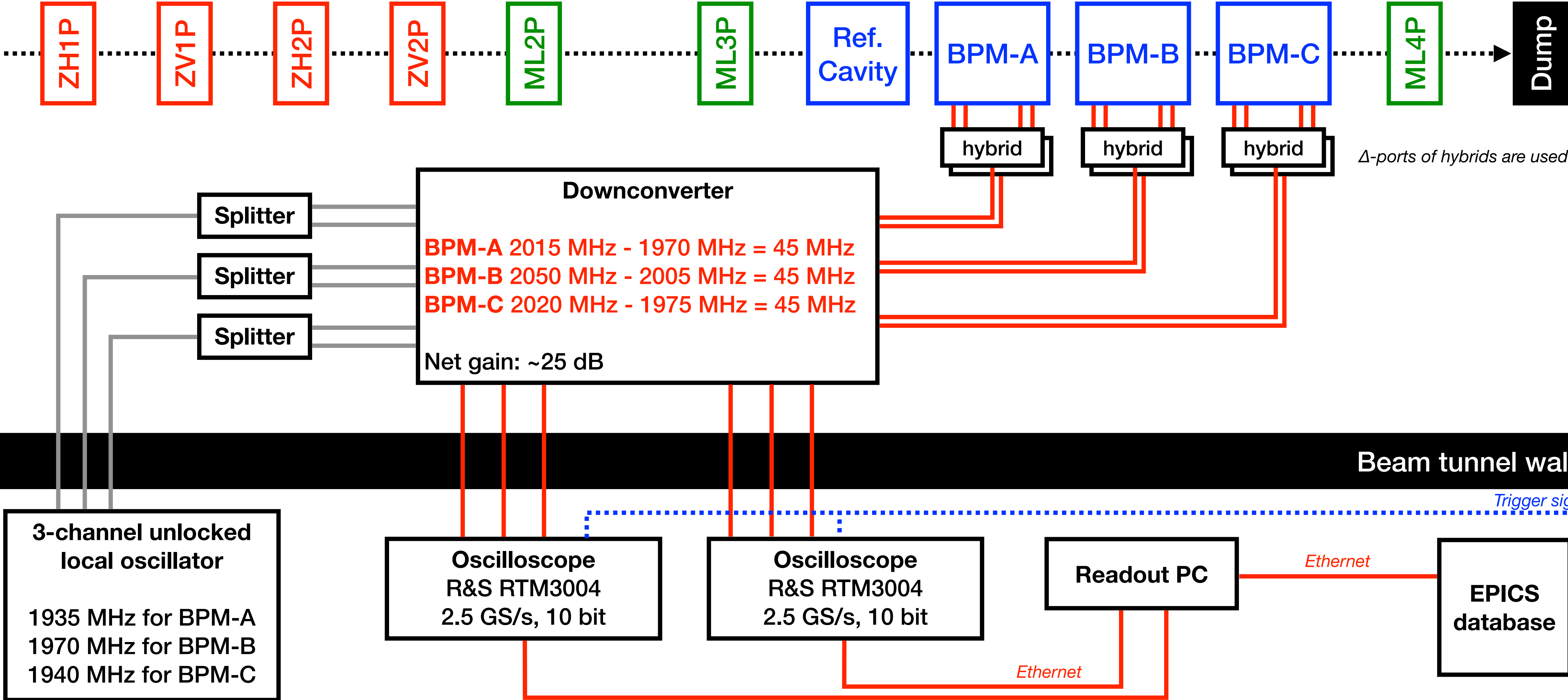
2025 Accelerator and Beam Line Field Training

Jul 9 2025, Korea University Sejong Campus

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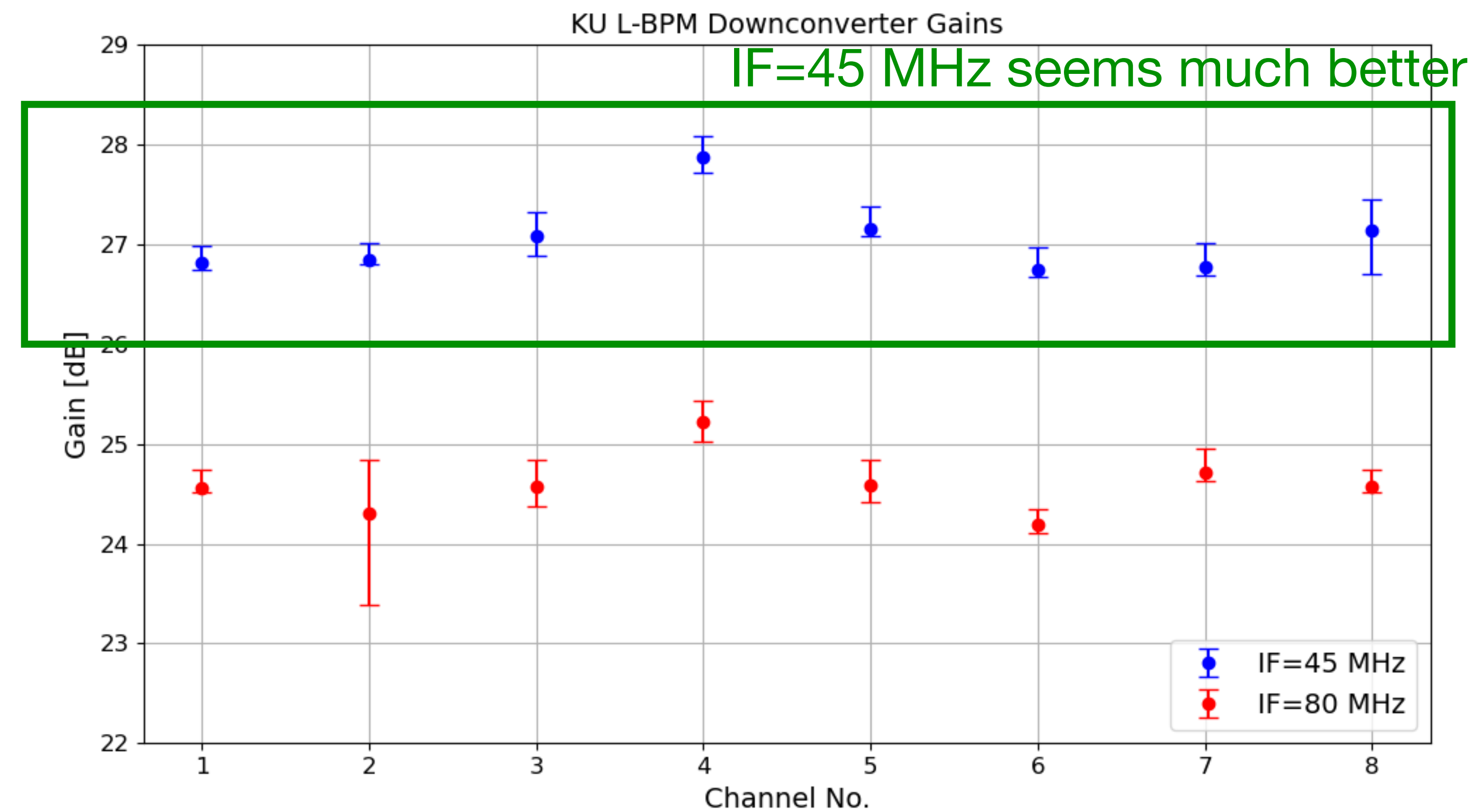
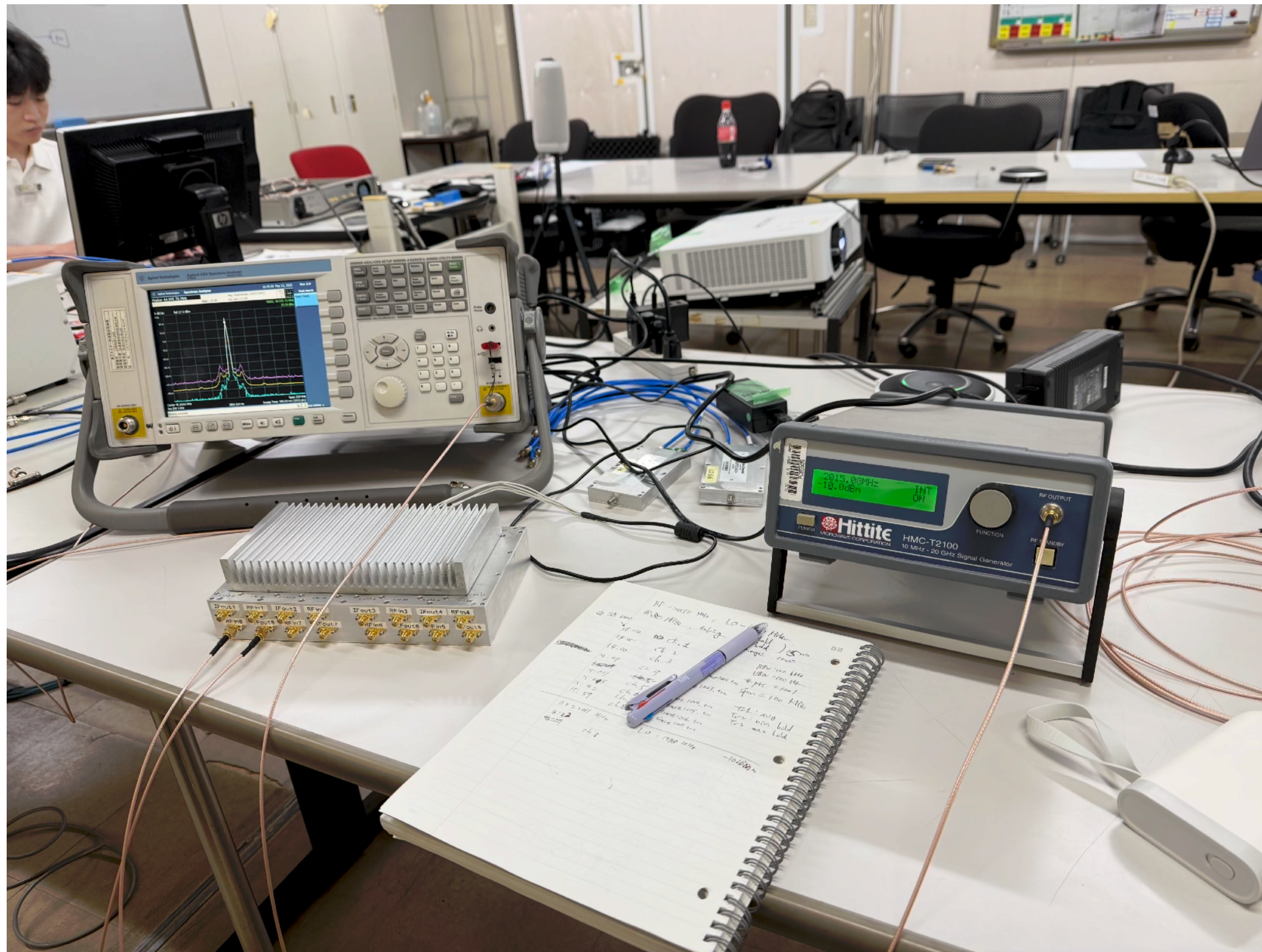


2024 Experiment Configurations



Downconverter Stability Test

- It turns out that the downconverter has better RF characteristics at IF=45 MHz
 - With IF=80 MHz, channel 2 (BPM-A(Y)) is unstable



What to do

- Obtain calibration factors for all channels
- Extract resolution for all channels
 - Remember that our IF is not 80 MHz anymore!