Notes on the Spectrum Analyzer (SA)
EE160 Laboratory (room E238)

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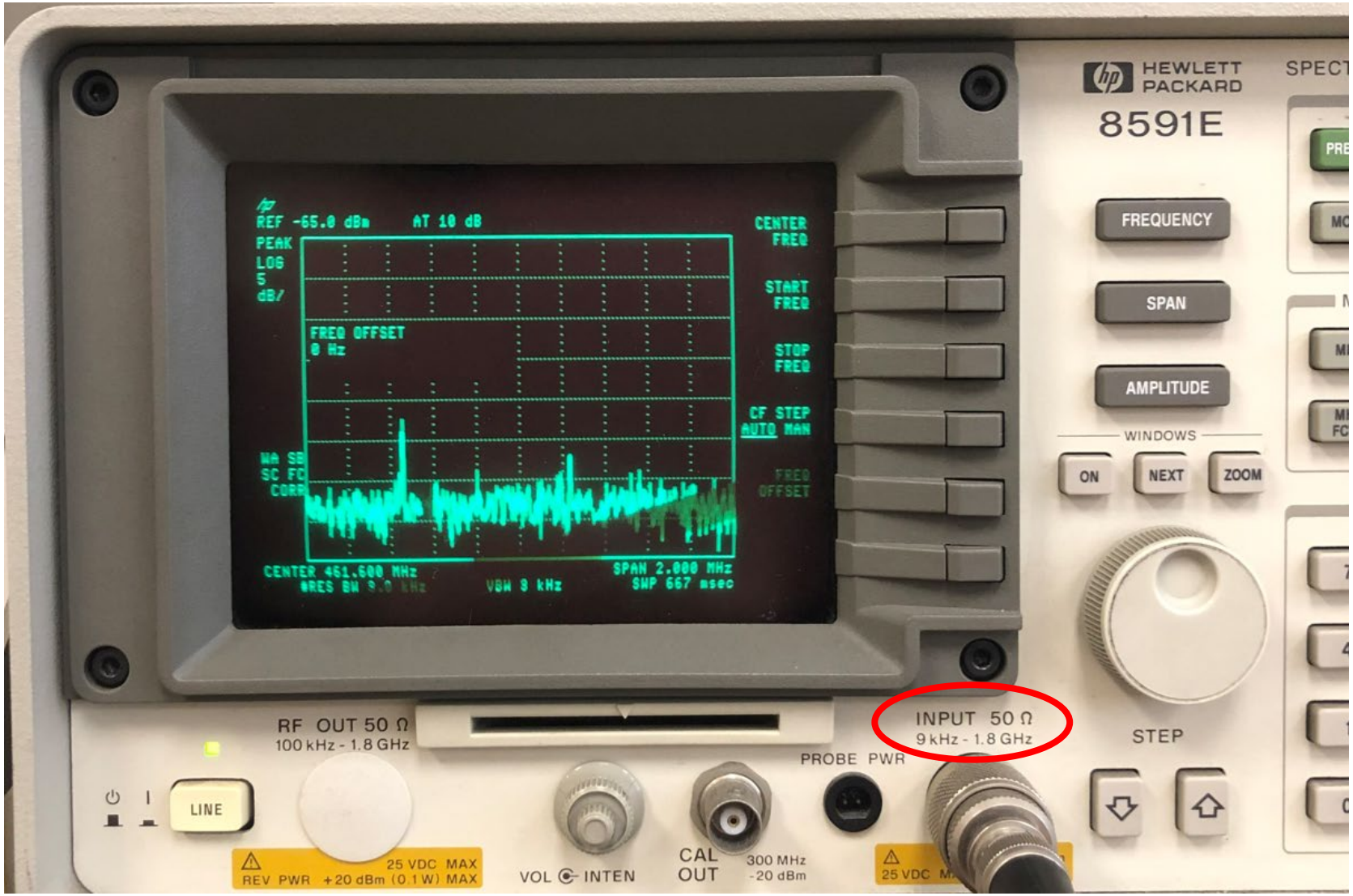
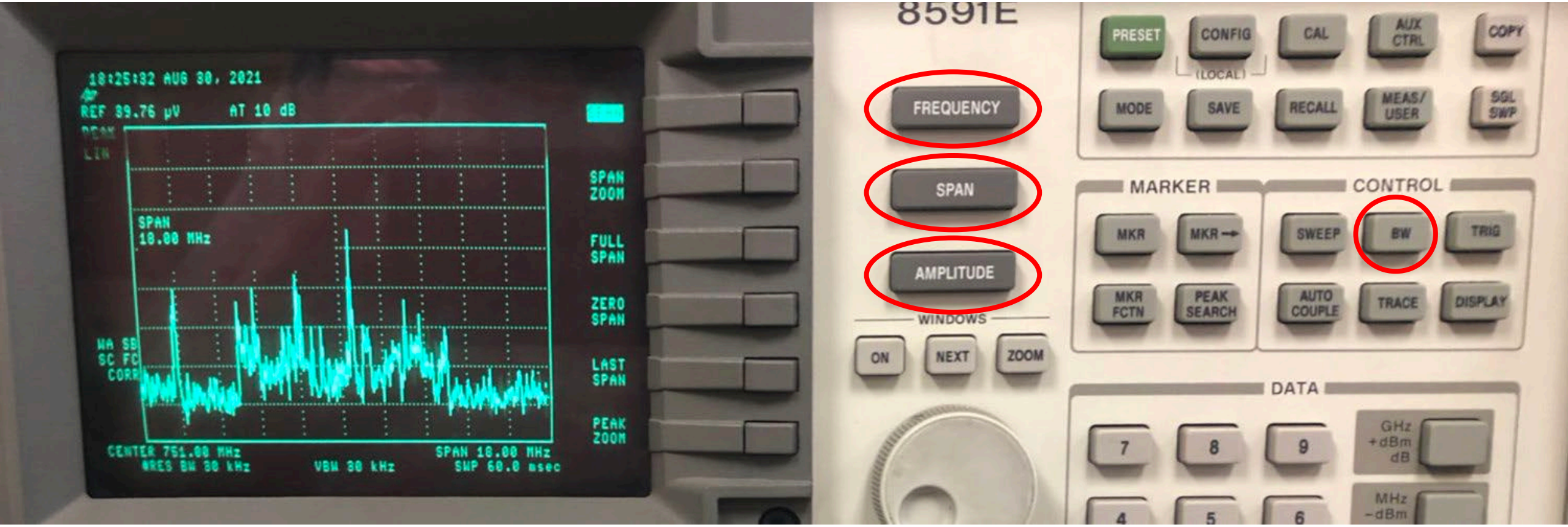
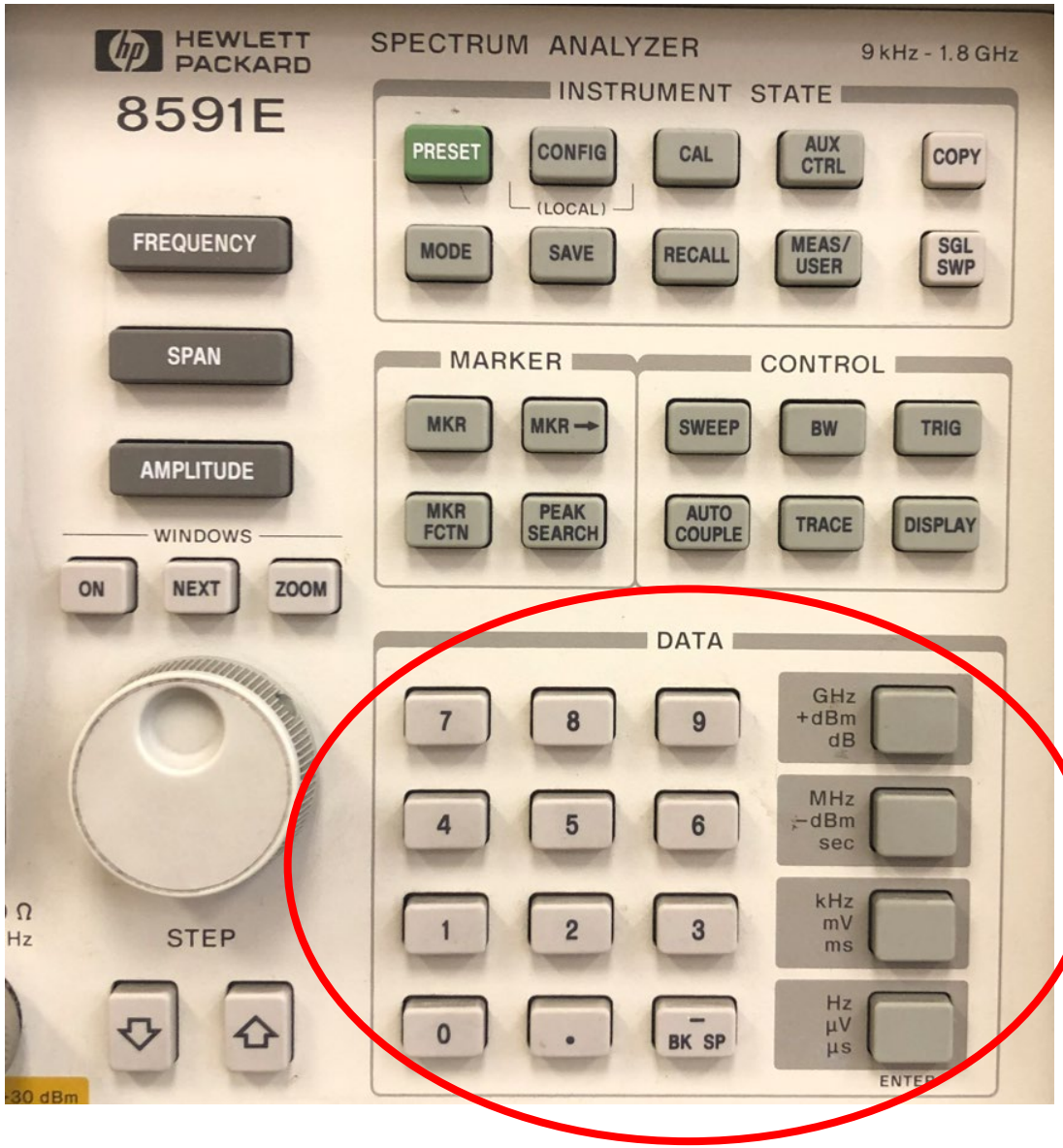
The input impedance is 50 Ω



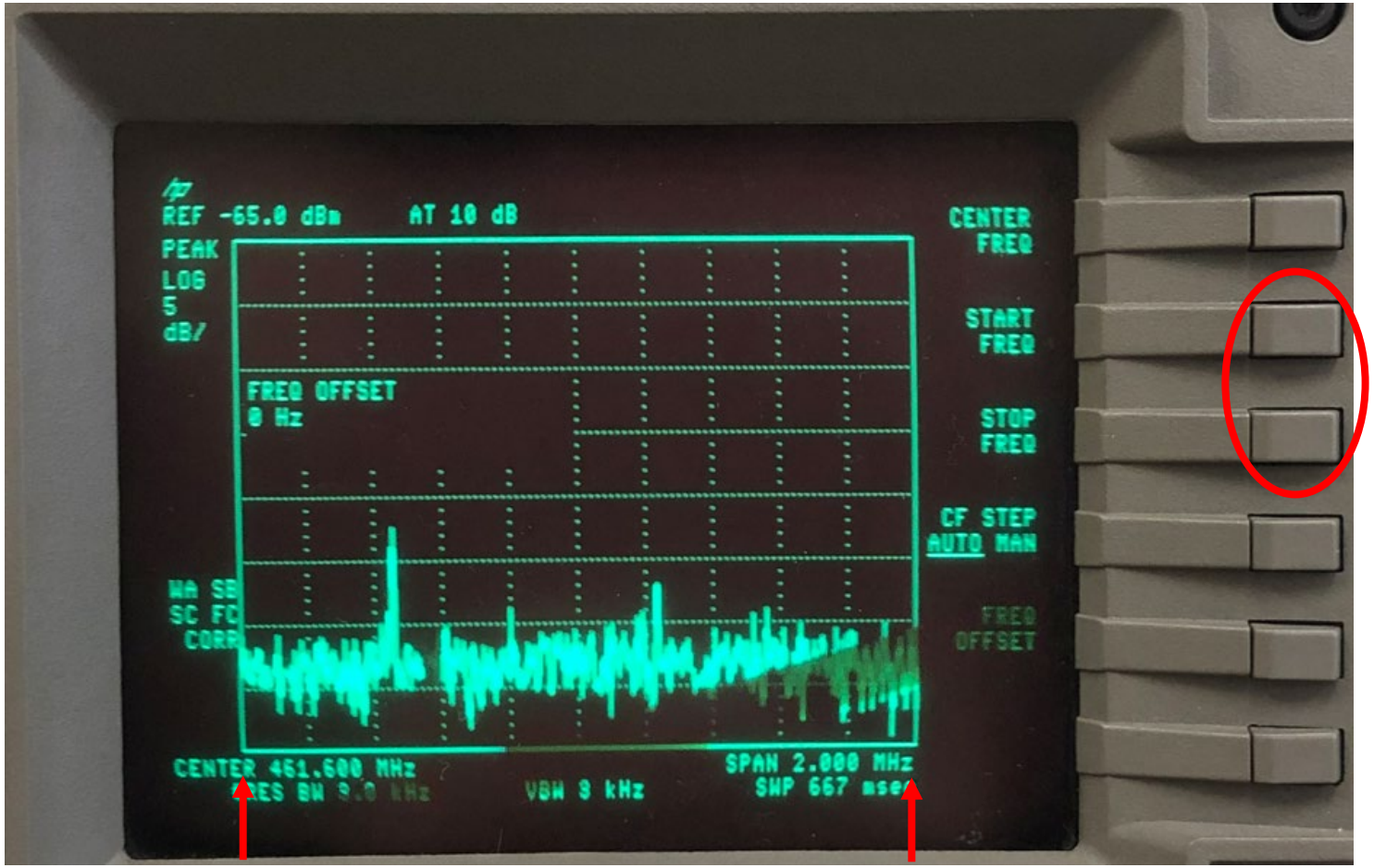
Front panel: Main buttons



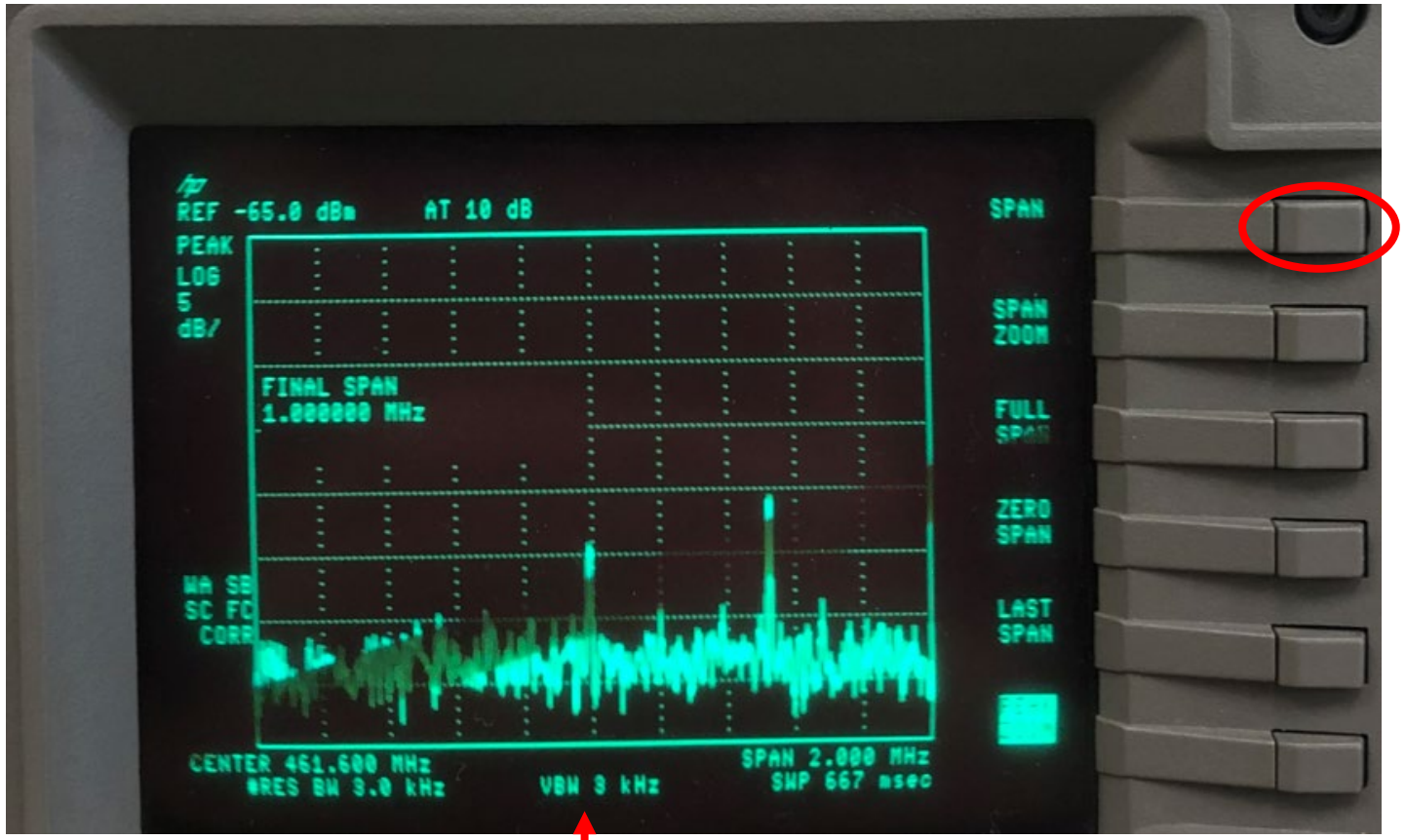
Numerical (DATA) pad



FREQUENCY button

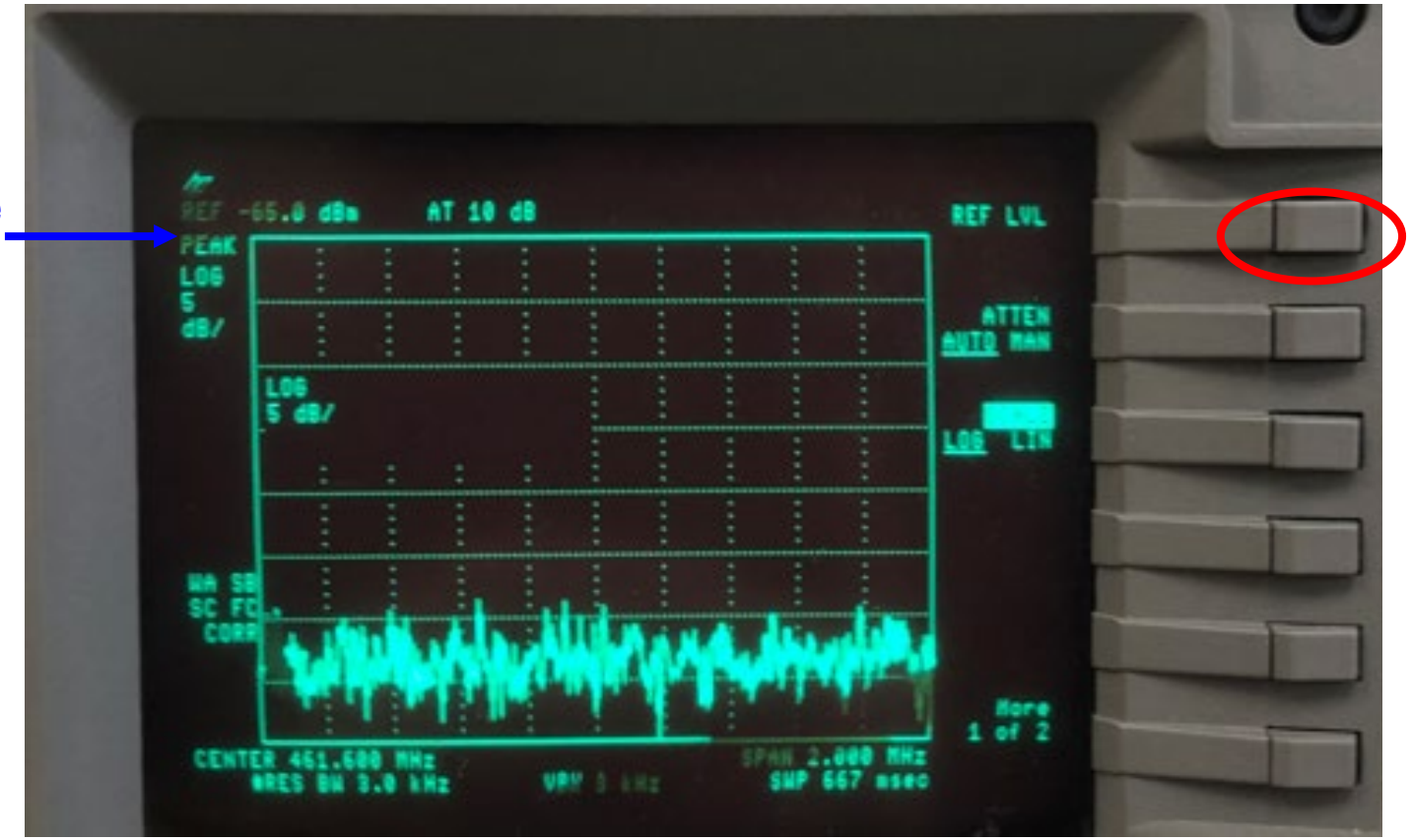


FREQUENCY and SPAN buttons



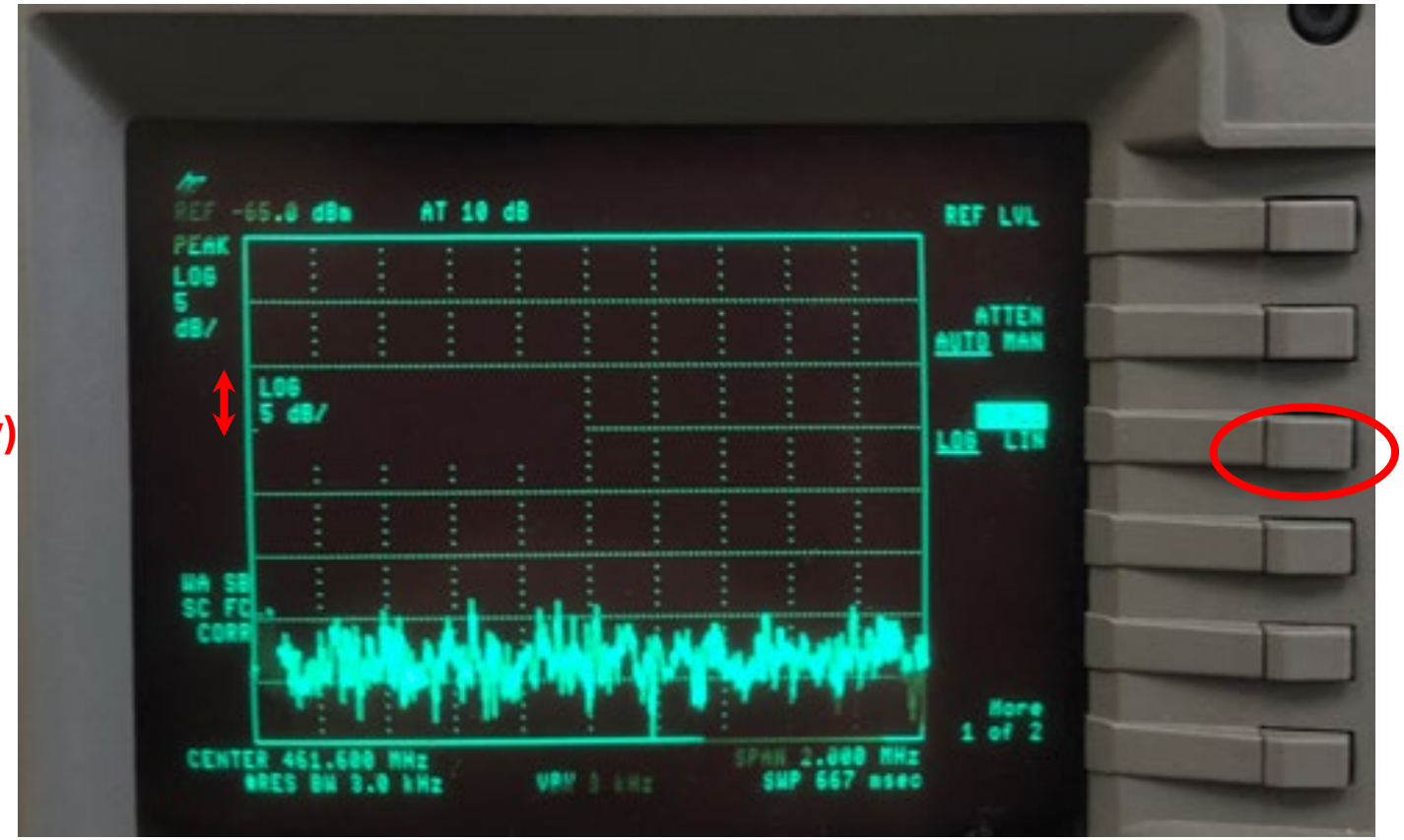
AMPLITUDE button

REFerence (dBm)

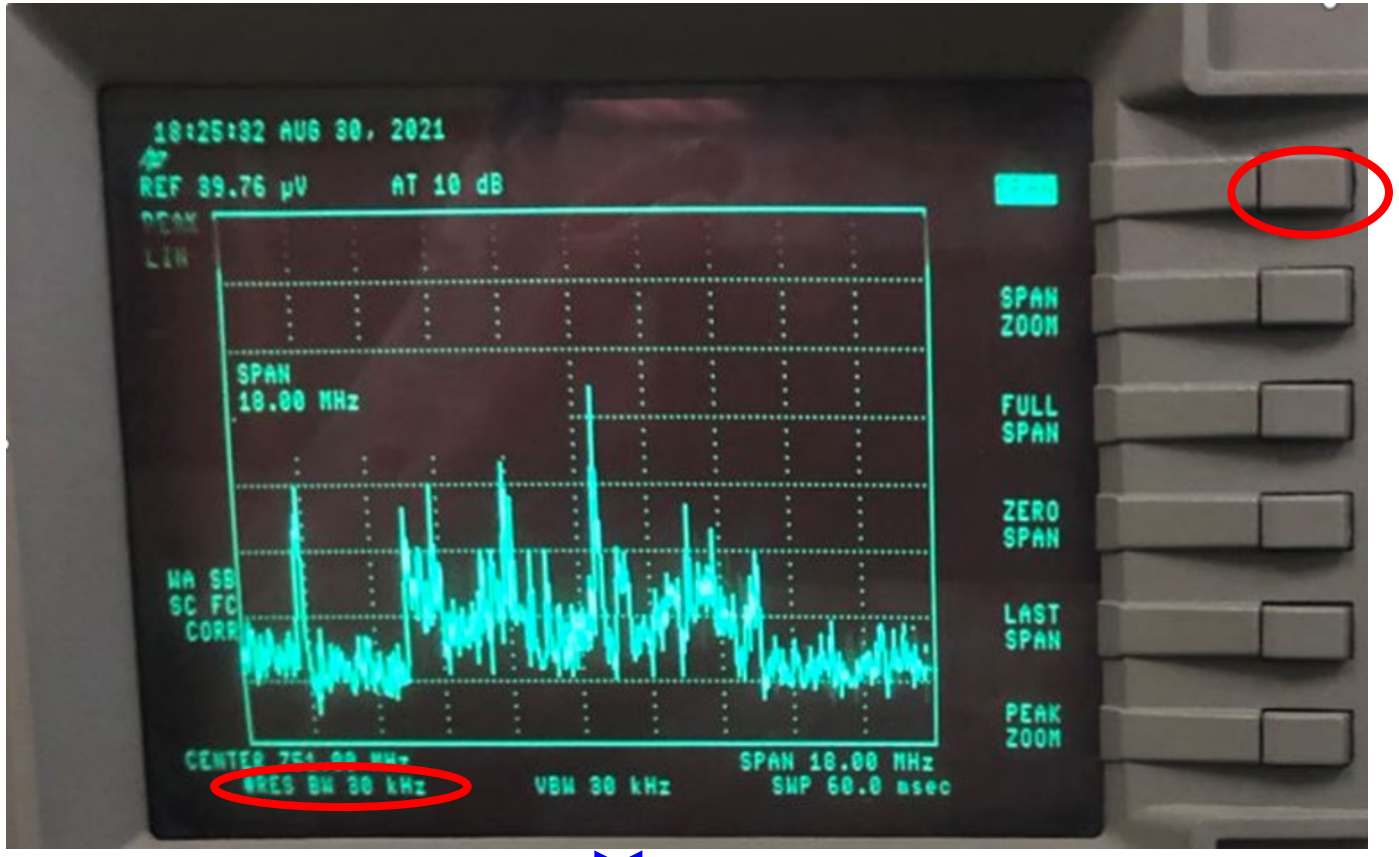


AMPLITUDE button

SCALE
(dB/div)



BW (CONTROL) button

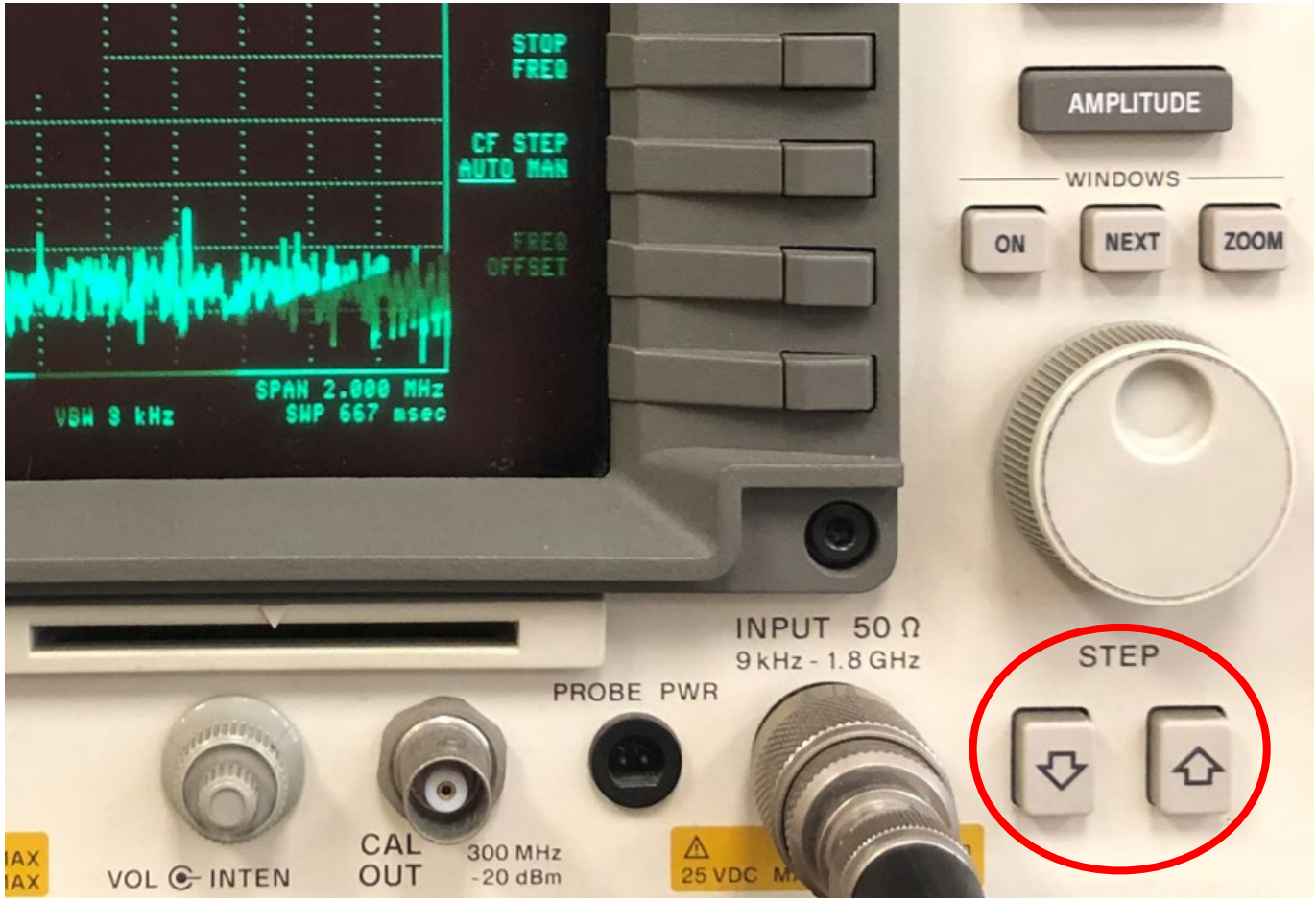


Resolution bandwidth

"The larger the span, the larger the resolution BW needs to be for a relatively fast sweep time"

- RMZ

STEP buttons



Use these to quickly increase/decrease values

That peak at 0 Hz

1. There is *always a "peak at 0 Hz*. To avoid it, set the start frequency away from 0 Hz.
2. Measure power at ***positive frequency values only***

Two-tone test (September 2024)