

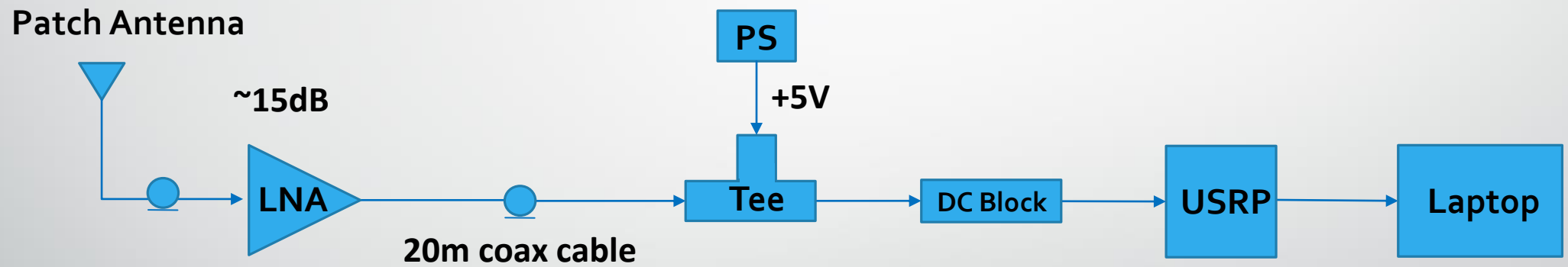


«Complete RF path» experiment on 4.5 GHz

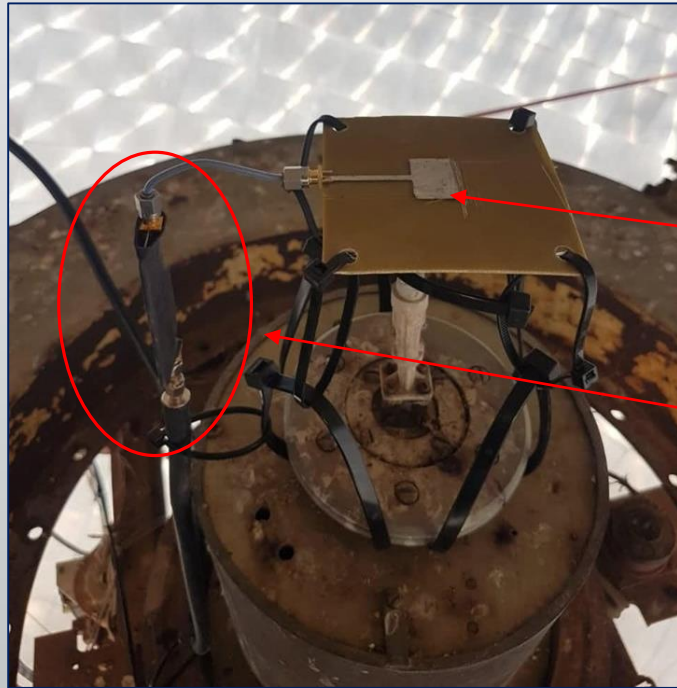
Presenter - Suren Eyrarnjyan, PhD

Work group members: Harout Soghoyan,
Tigran Manoukyan,
Hrayr Abrahamyan,
Gevorg Hovhannisyan

RF path structure



RF path pictures



Patch
Antenna

LNA

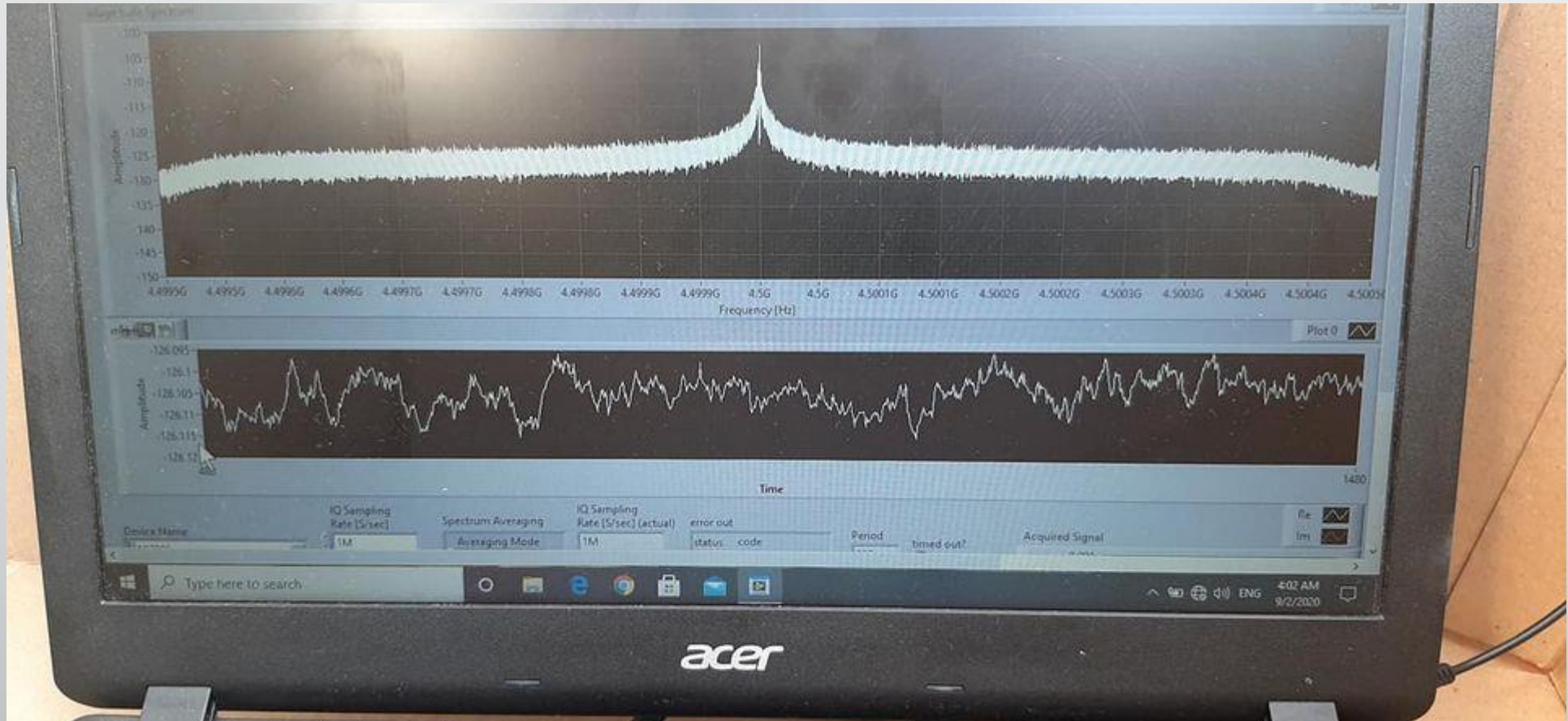
USRP



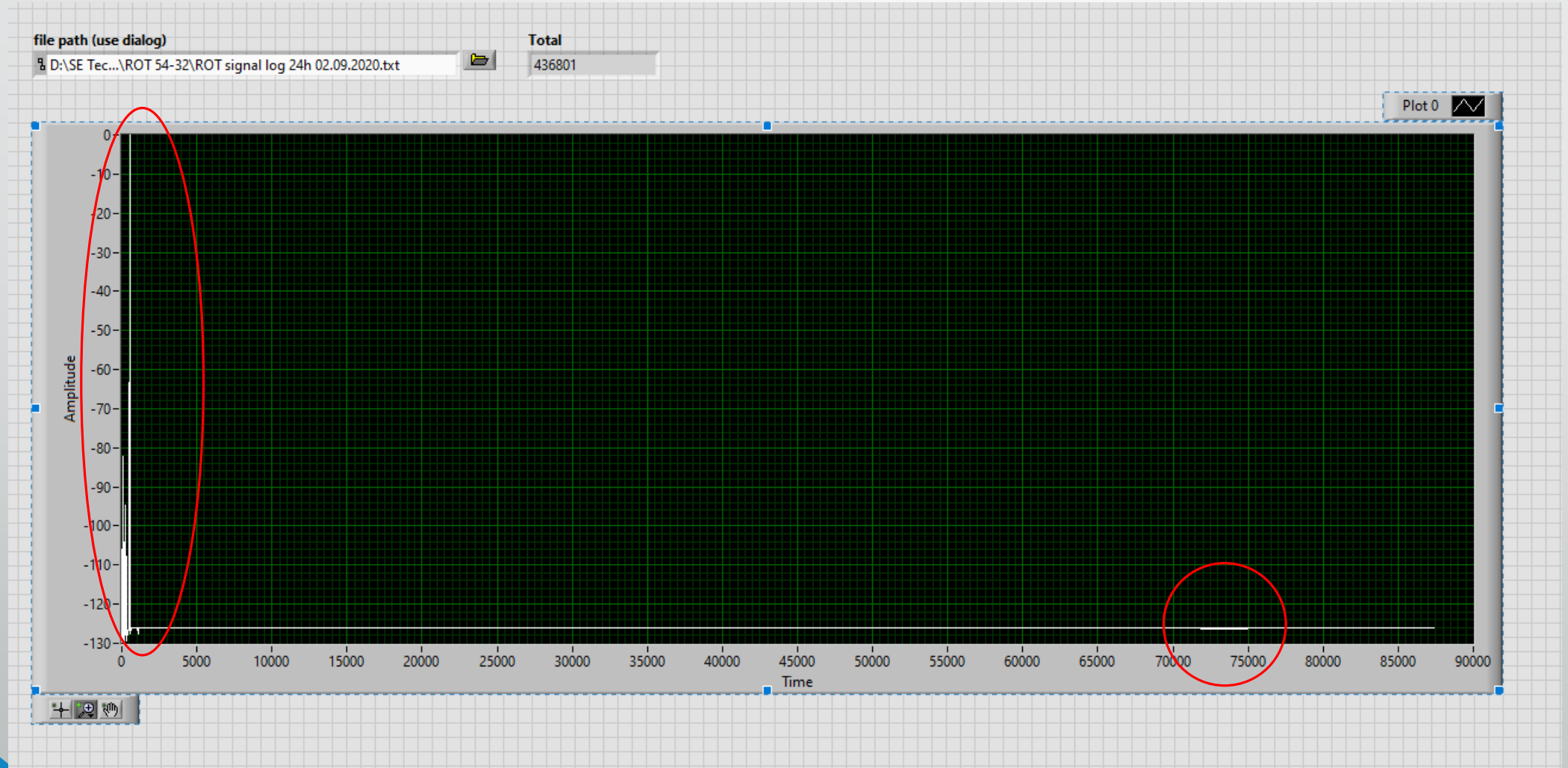
Bias Tee

Power Supply

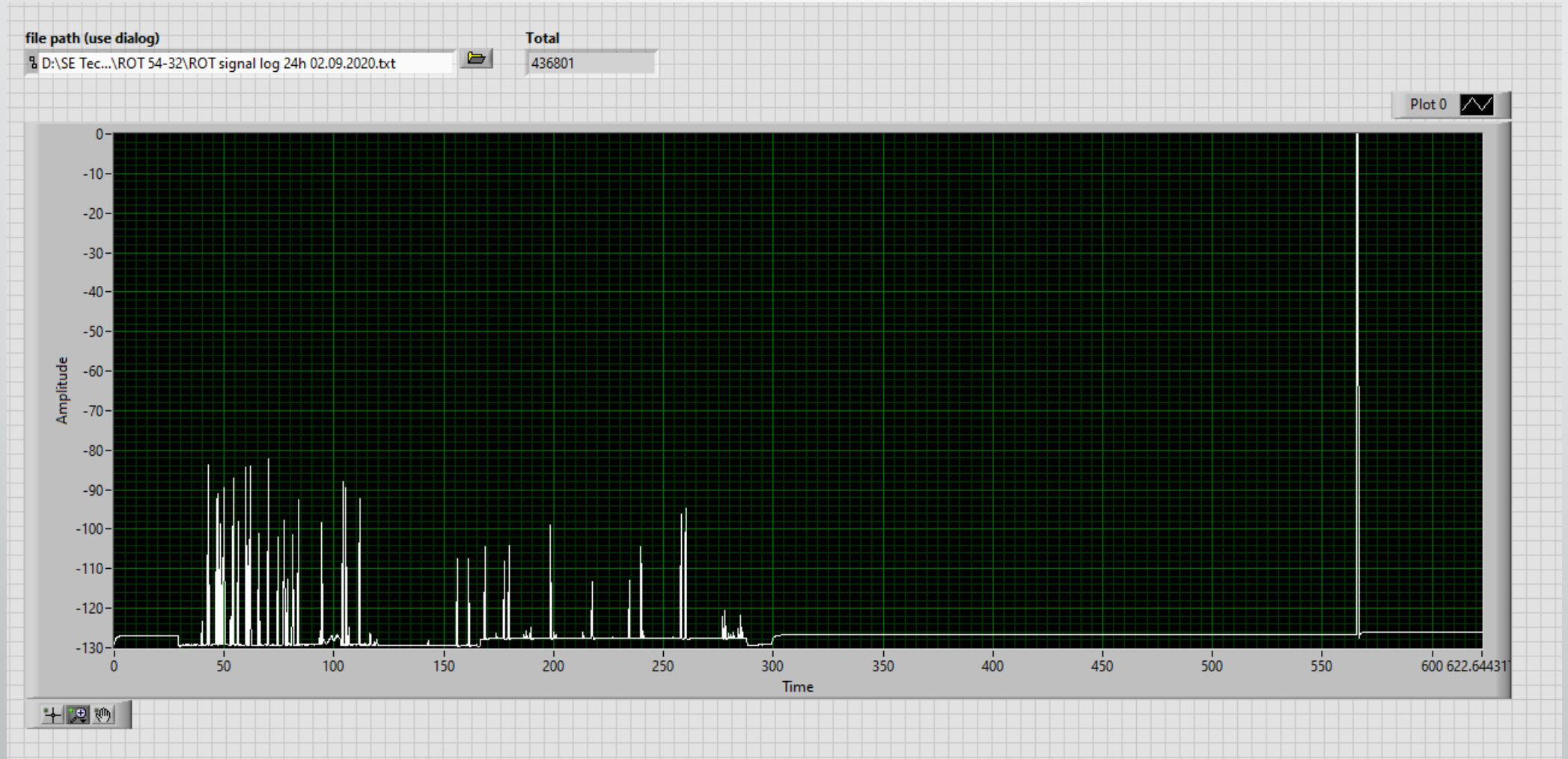
Software GUI



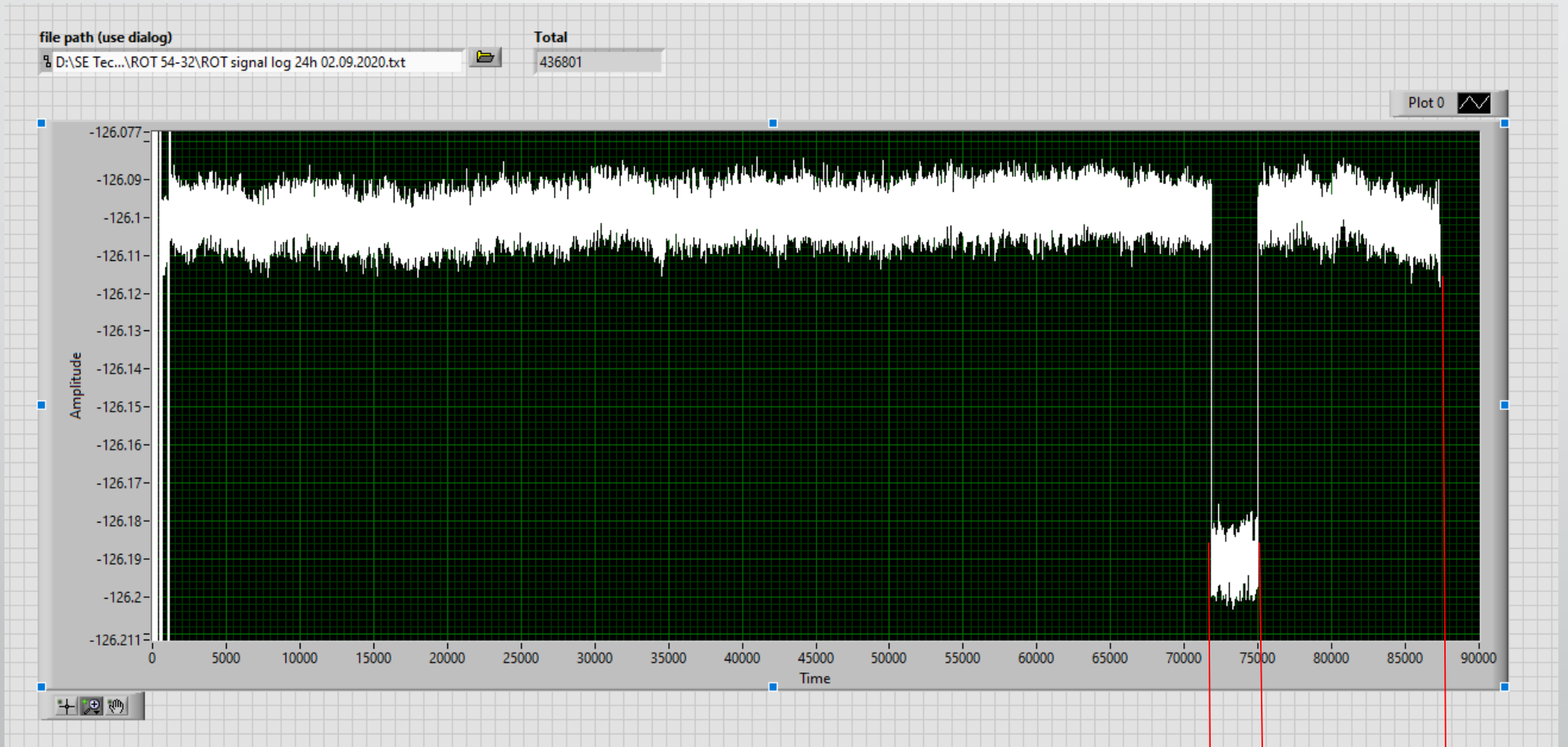
Measurement results (file log)



Measurement results (file beginning)



Measurement results (noise zoomed)



$$P_n = -126.1\text{dBm}$$

$$T_n = 35.6\text{K}$$

53min

~24h



Questions?