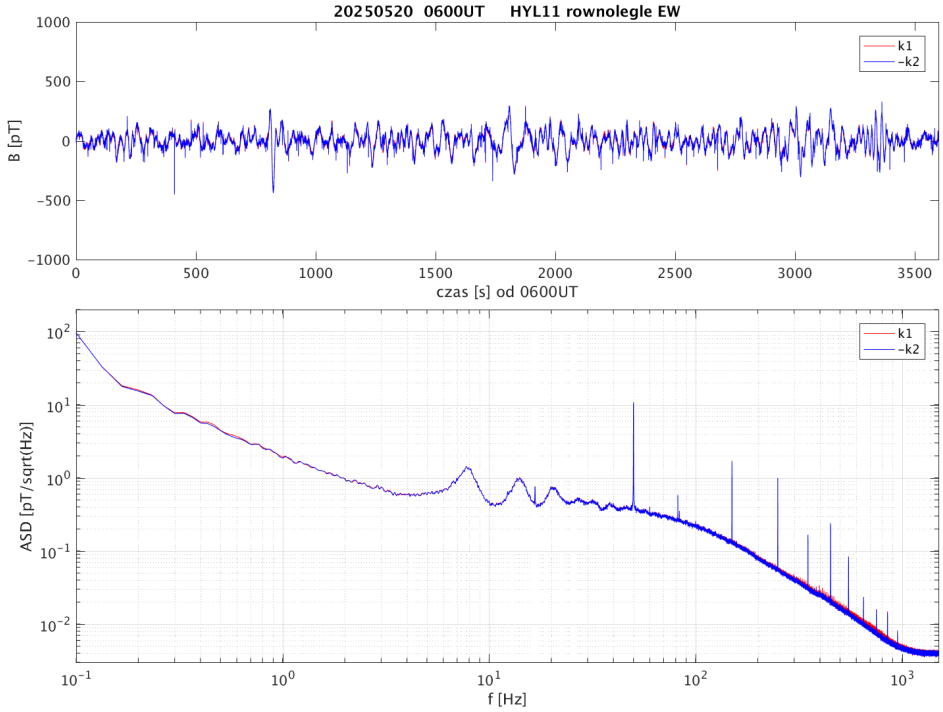
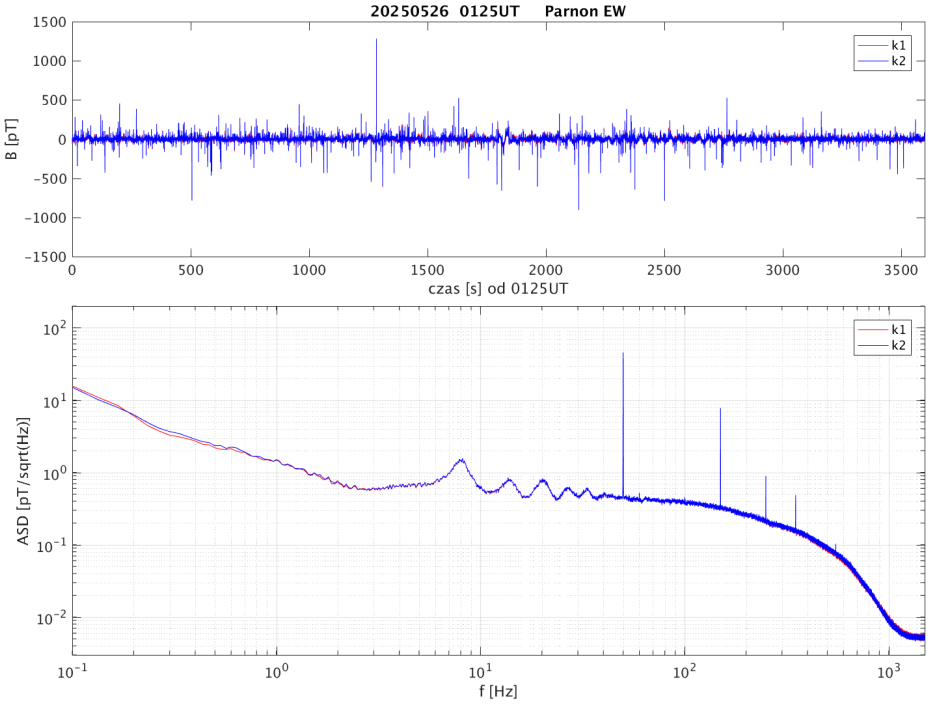
Comparison of measurements in Poland and Greece with the antennas placed in parallel

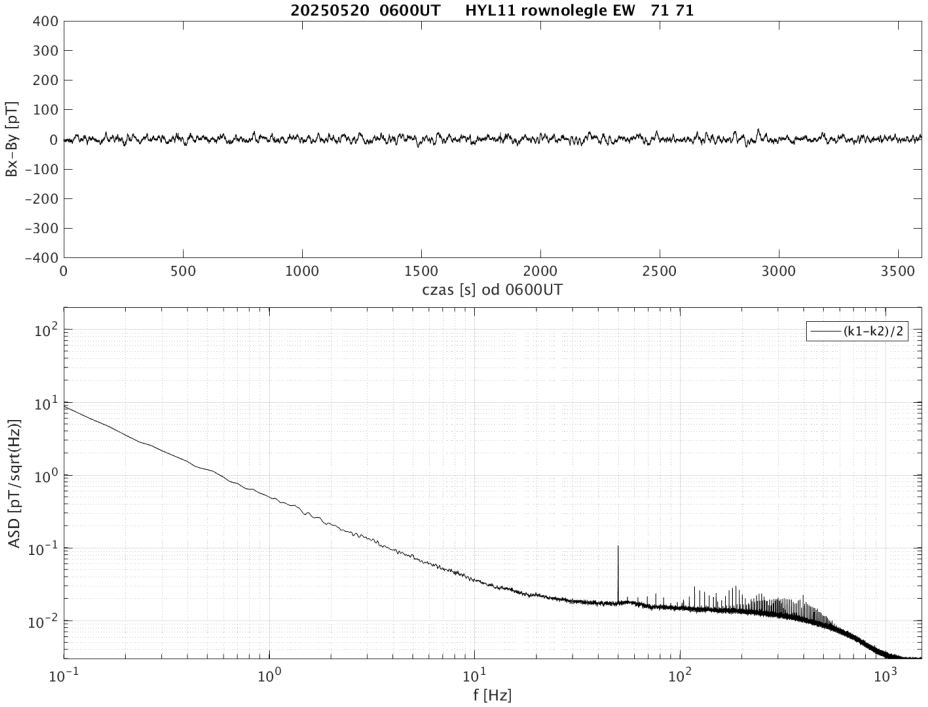


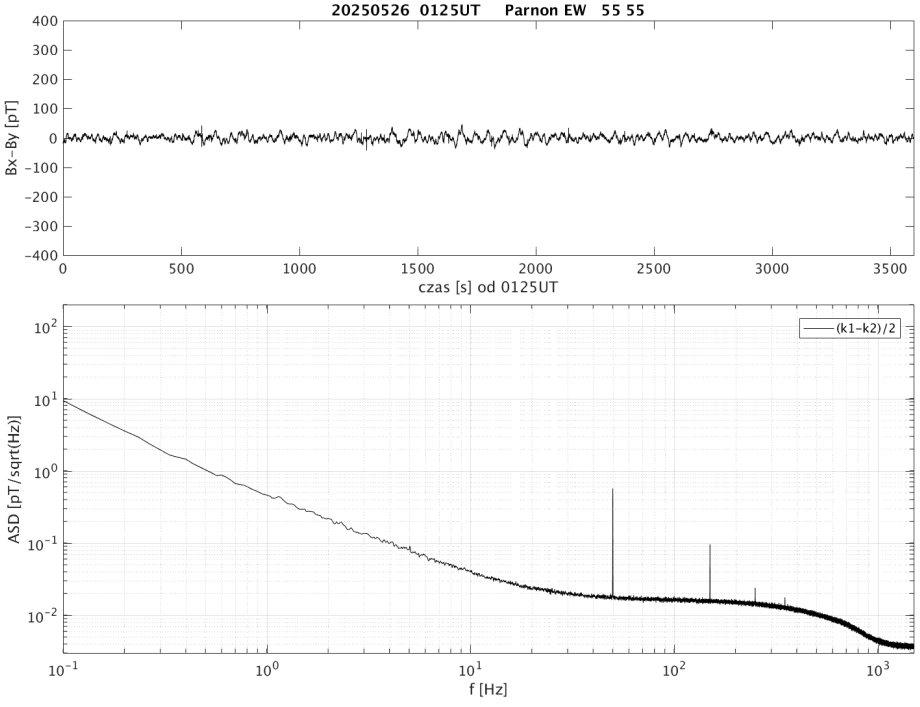


Note: Measurements on diffrent day and time (20 vs 26 may 2025). Also, the antennas have a different conversion coefficient (chosen based on location), which explains different noise floor at the highest frequencies (which is due to the noise floor of the analog-to-digital converter)

J. Mlynarczyk

Comparison of the noise floor of E11 system obtained from measurements in Poland and in Greece

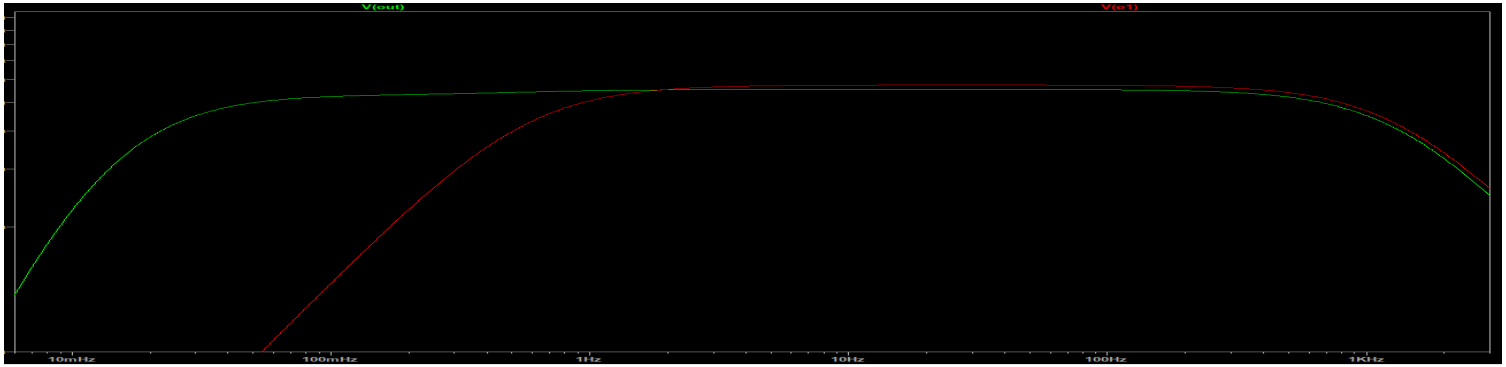




The measurements in Greece prove that the digital noise between 100 and 600 Hz is produced locally at the Hylaty station, most probably by the WERA equipment, which is installed in the same place. We can see that the only external noise in Greece is the power line noise which is does not fully subtract with the antennas placed in parallel at some distance.

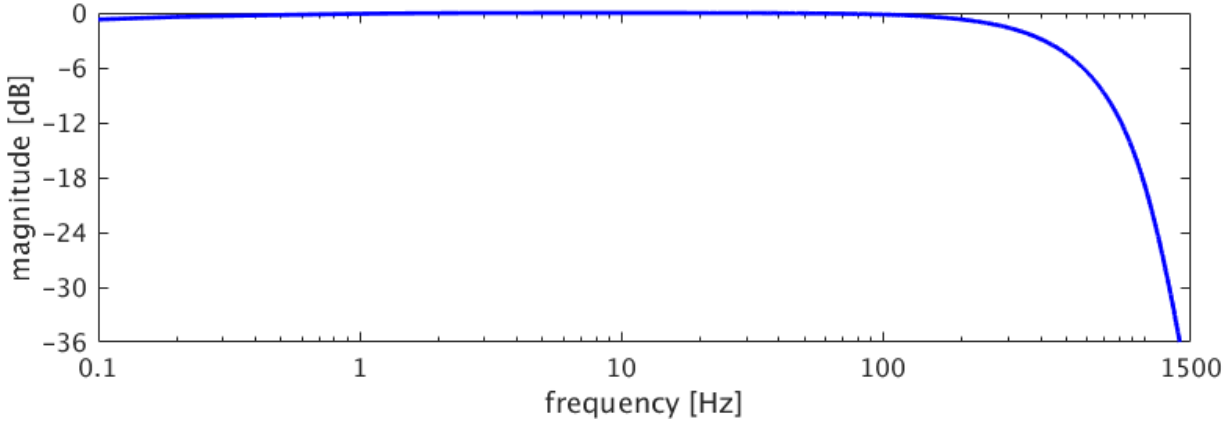
J. Mlynarczyk

Transfer function of magnetic antennas & why the noise go up at the lowest frequencies



3 mHz 10 Hz 3 kHz

Transfer function of E11 system



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