

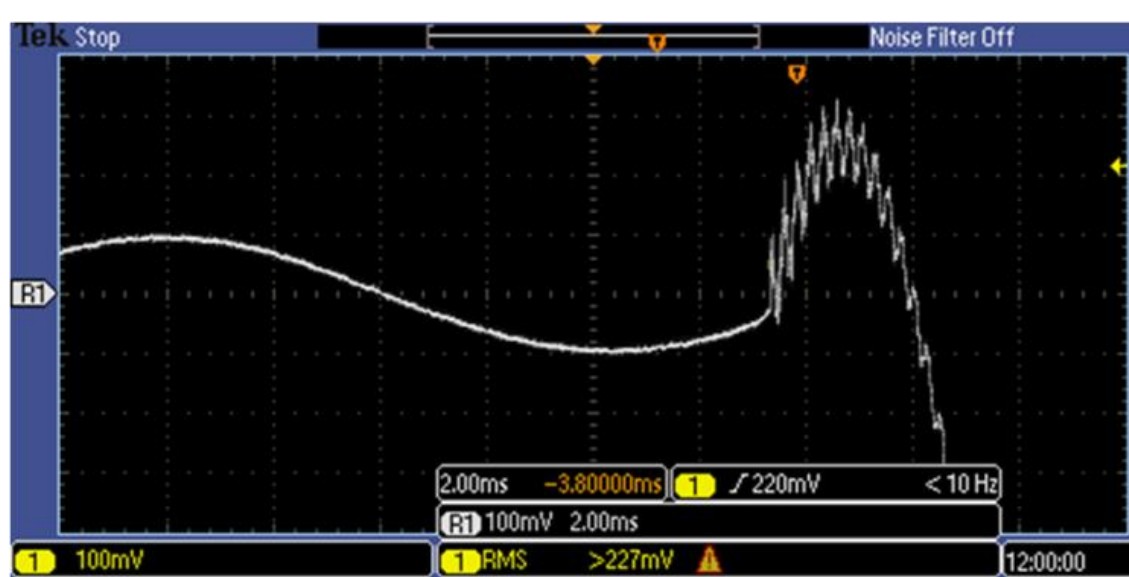
Contribution – Question 2.09

B5 – PS2 - Question 2.09 - The application of Travelling Waves for fault location and protection functions is advancing significantly. What are the main difficulties in testing these applications?

Paulo Junior – Brazil

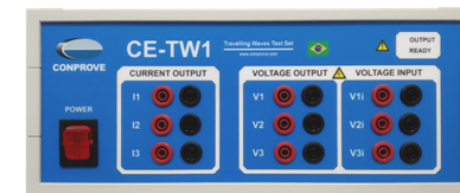


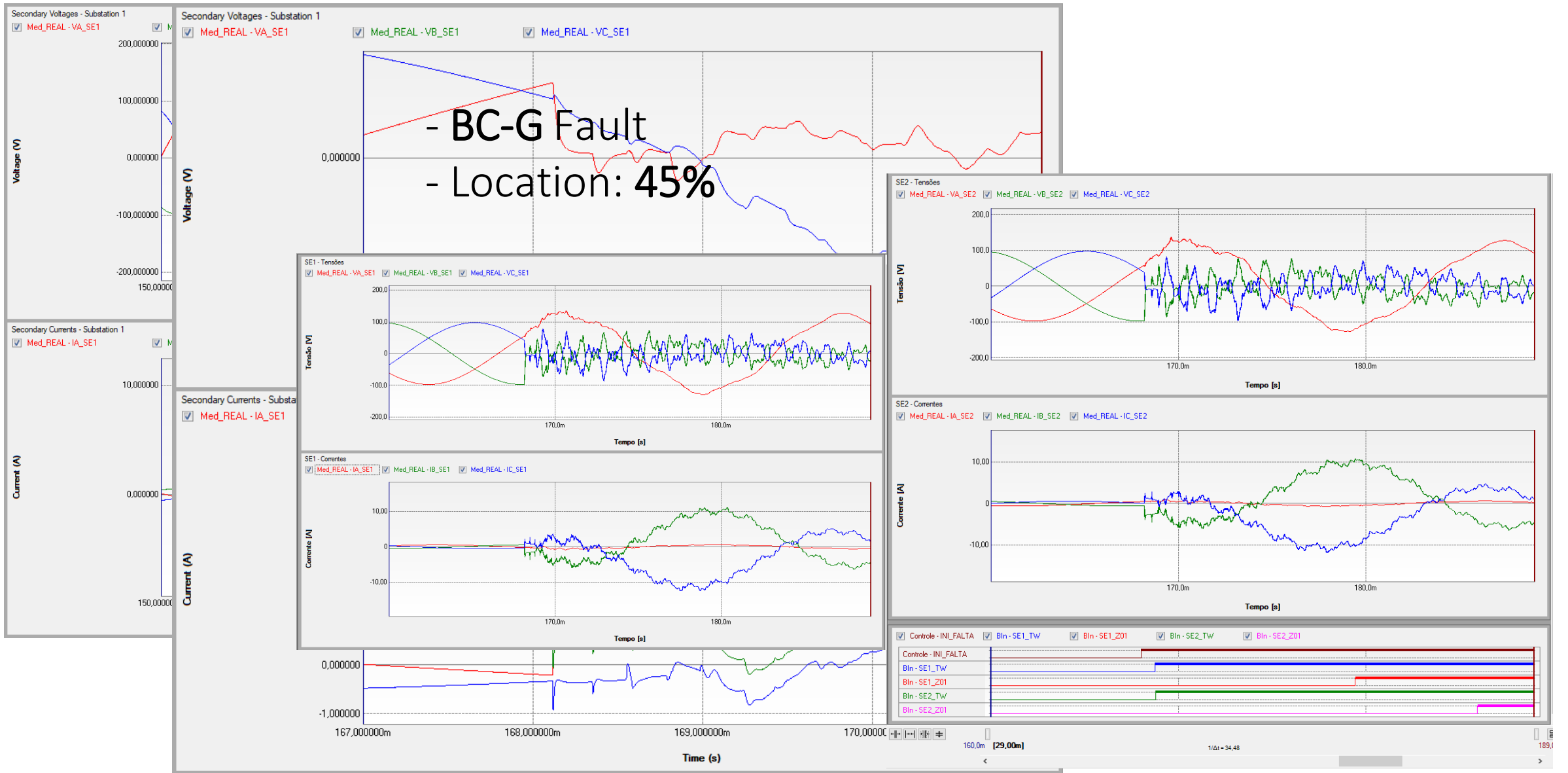
- It is a **high frequency** signal:

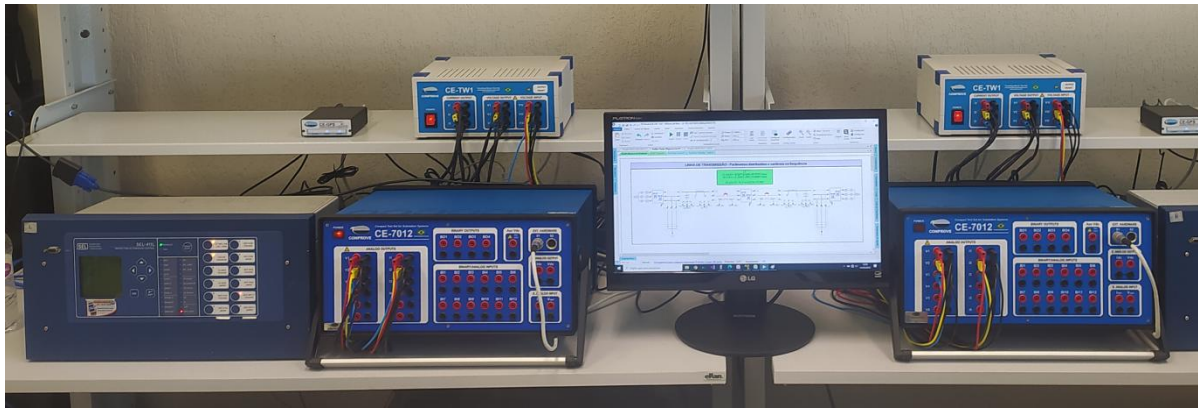


- **Need:**
 - **High fidelity** transient models;
 - **Amplifiers** with high frequency response.

FEATURE	CE-TW1
Simulation fidelity	Real waveform
Injection level	Secondary level
IED input test	Yes
Portability	Light weight
Test on site	Yes
COMTRADE with TW	Yes
Sensitivity test	Yes
Number of reflections	Several
Transmission line models for TW tests	Frequency-dependent line models (Mode / Phase)







Z1)

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THANK YOU !

