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Detect disturbance waves with a signal analyzer

The disturbance waves can be detected and analyzed using the power trigger function of signal analyzer MS500 series.

[*Application*]

■ Connection schematic drawing

Handheld signal analyzer
MSA538/558

[*Solution*]

■ Match the frequency detected by the signal analyzer with the disturbing wave and select the power trigger of the trigger function.
■ When an disturbance wave exceeding the trigger level is detected, a trigger signal is generated.
■ By using various analysis functions such as spectrogram analysis and time domain analysis on the captured data, the type of disturbance wave can be specified.
■ By using optional logging software, the data can be acquired in the absence of people such as late night and remote place.

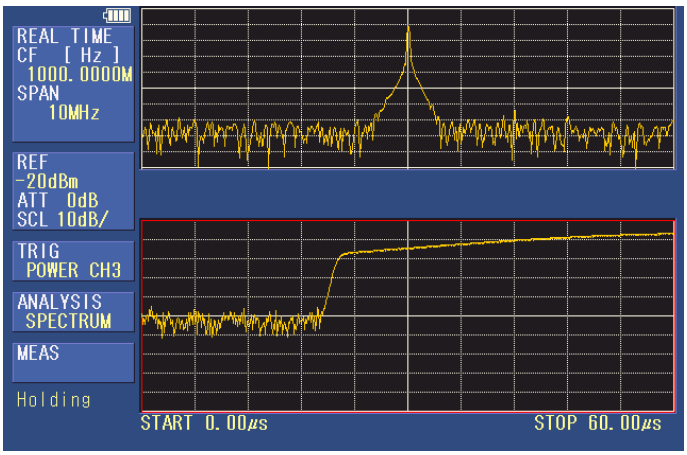
■ Powerful analysis functions
- Spectrum analysis
- Spectrogram analysis
- OverWrite analysis
- Time domain analysis : power vs. time
- Time domain analysis : frequency vs. time
- Time domain analysis : phase vs. time
- Time domain analysis : IQ vs. time

■ Powerful trigger functions

■ Dual view screen easy to compare

■ Large IQ memory : 16K frames

■ PC logging software for mesured data



Example : Data sampling (upper) is performed
when the trigger signal (lower) exceeds a certain level

[*System constitution*]

- Handheld signal analyzer MSA538
- Lithium-ion Battery MB400
- USB Cable MI400
- Logging software MAS510

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