A measurement example of real time mode trigger function with the signal analyzer
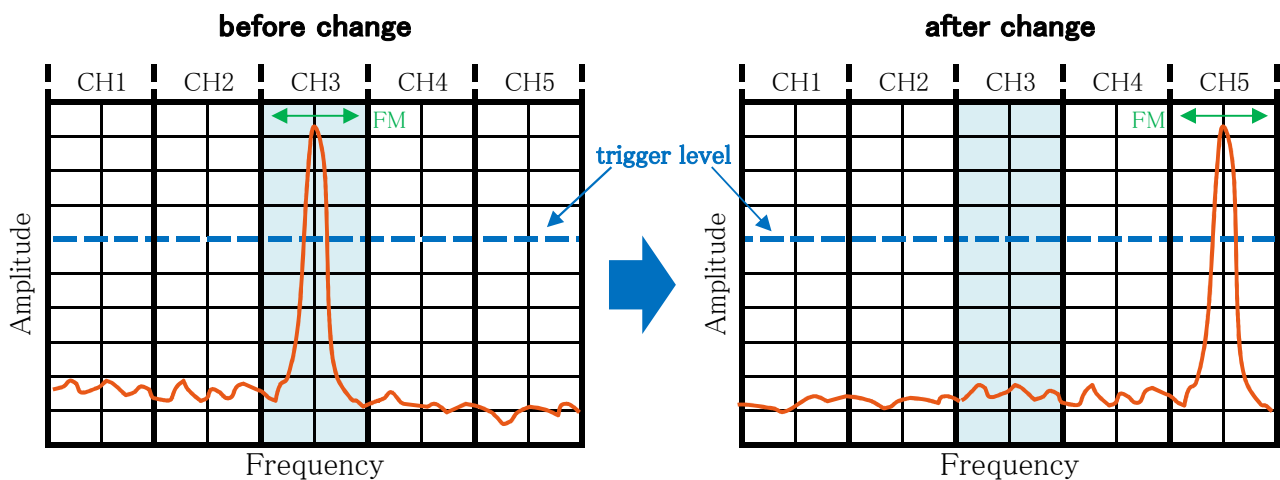
◇**A measurement example of real time mode trigger function with the MSA500 signal analyzer is introduced.**
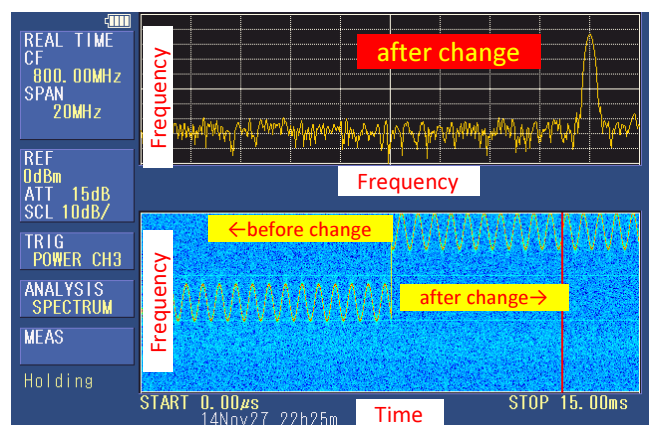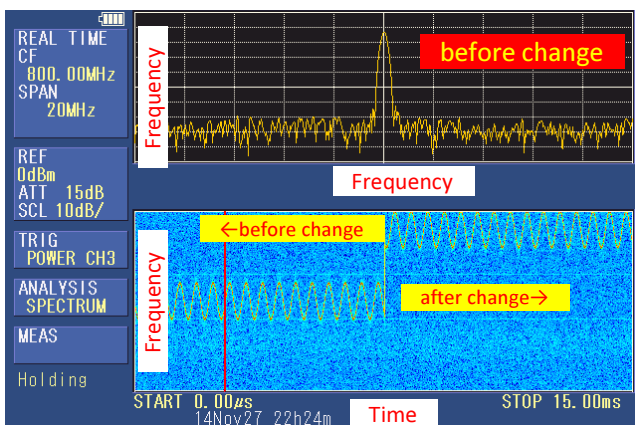
Application

In real time mode of signal analyzer MSA500 series, powerful trigger functions can be used.
By using these trigger functions, the signal can be measured immediately before and after the change has occurred in the waveform.

Solution

As a example, the trigger function is used for the measurement of the change of carrier wave frequency of FM signal.
In the measurement, the center frequency is set to a carrier wave frequency before change ,and the trigger settings are channel trigger and slope FALL.

Trigger settings : Channel power trigger CH3, Trigger slope FALL, Trigger point 50%

It is possible to measure the waveform after and before the change.

System constitution

Signal analyzer (MSA500 series)   ×1

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