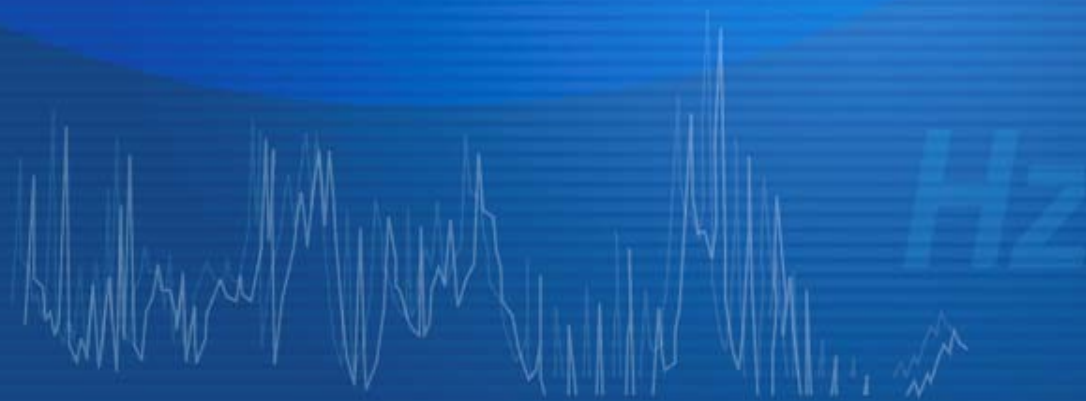


ONOSOKKI



CF-4700 FFT Comparator Assist Function



About the Assist Function :

This function is to assist your determination of the block setting of the block comparator function and of the judgment criteria. When activating the Assist Function, it reads the measuring data files of the defective (NG) and non-defective (OK) products respectively, and the criteria block is to be set automatically after seeking the difference. You can edit and save the set blocks.

[About the assisting method]

The only judgment method is fixing the peak level of the block comparator.

Determination of the block :

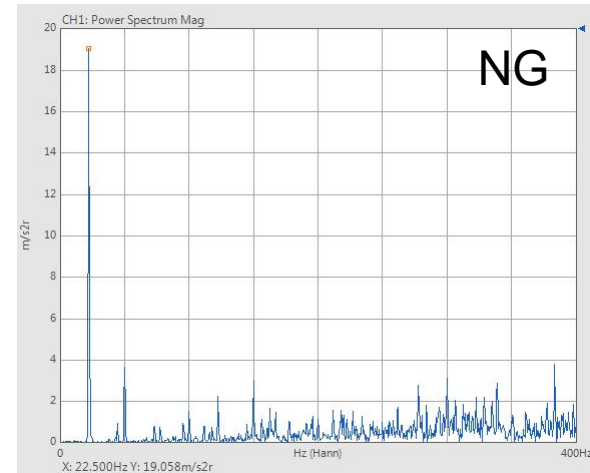
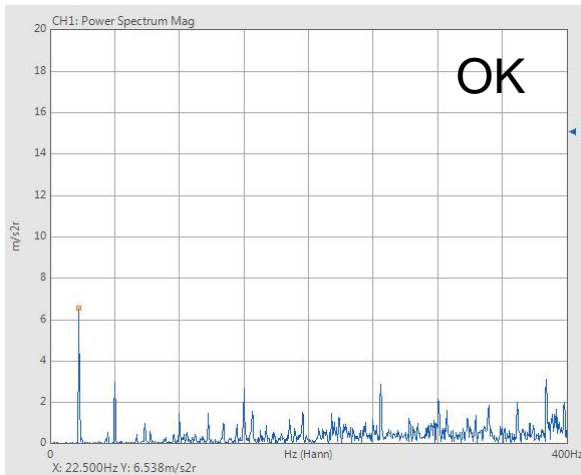
Height of the block: Set a value higher and lower than 3 dB of the peak.

If the difference of defective/non-defective products is less than 3 dB, the value in between is set.

When the scale is set to linear, the linear conversion value for 3 dB is used, which is 1.414 times (or 0.707 times)

1. Saving the measuring data files of OK and NG products

Save the measuring data files of non-defective (OK) and defective (NG) products



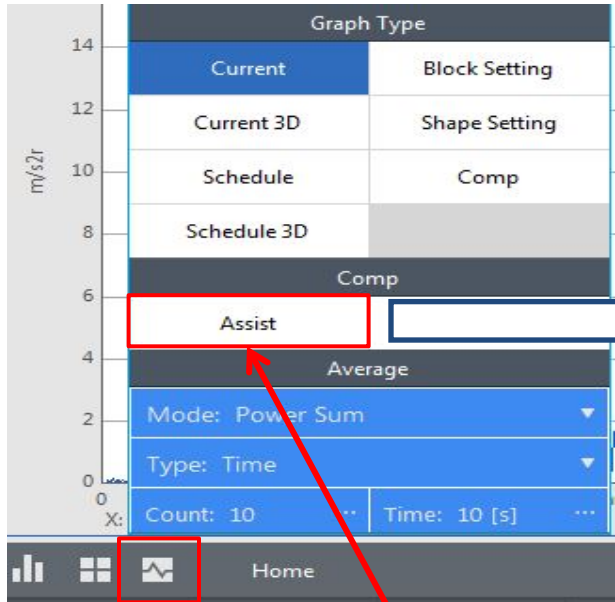
No.	Date/Time	Label	Kind	CH	DAT	BMP	TXT	TRC
001	2015/08/25 13:26:45	ok	Power Spectrum	CH1	Load	Show	Load	
002	2015/08/25 13:27:08	ng	Power Spectrum	CH1	Load	Show	Load	
003								
004								

Save the measuring data files of OK and NG products respectively

✘ The Assist Function can only handle two data.
It is impossible to handle more than 2 data.

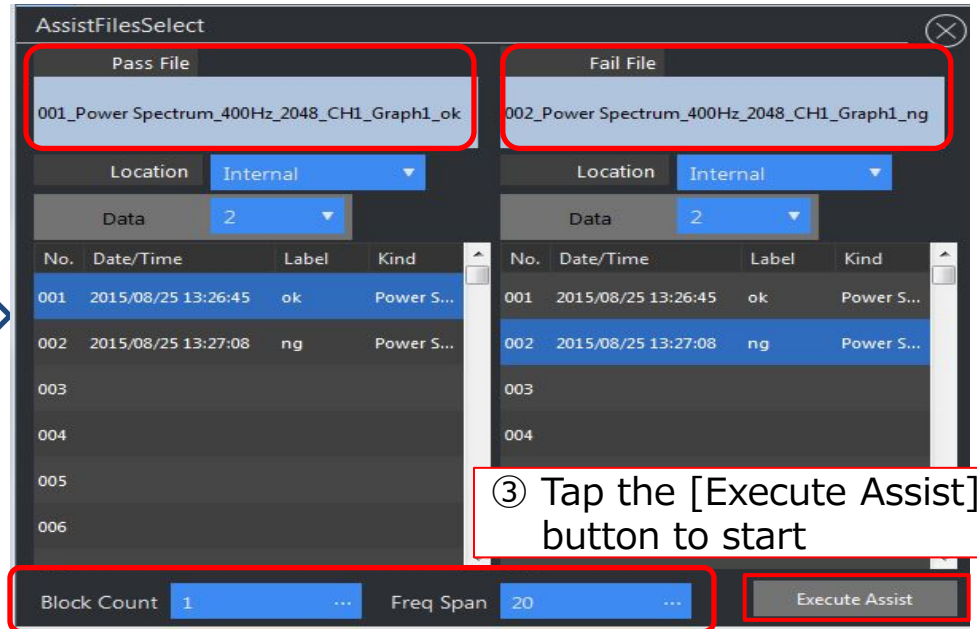
2. Registration of OK and NG data

Register the data in the registration screen



① Tap the [Assist] button in the Comp area.

② Registering the data
OK (Pass) data file NG (Fail) data file



③ Tap the [Execute Assist] button to start

③ Set the Block Count and Freq Span.

● Block Count:

Decides on the number judgment criteria. In this manual, the number is set to one, therefore, one block is created automatically.

● Freq Span:

The block frequency width is determined here. In this procedure manual, the value is set to 20 Hz. A block with a width of 20 Hz is created.

3. Registration of the judgement criteria

Edit and register the judgement criteria obtained by the Assist Function

Pass File File 1: Power Spectrum Mag
Fail File File 2: Power Spectrum Mag

Judgment criterion which was created automatically

Frequency width (Freq Span 20 Hz)

① Screen switching button
VIEW: Showing the judgment method
DIFF: Showing the difference graph

REGISTER

③ Judgement criteria can be registered by tapping the [REGISTER] button.

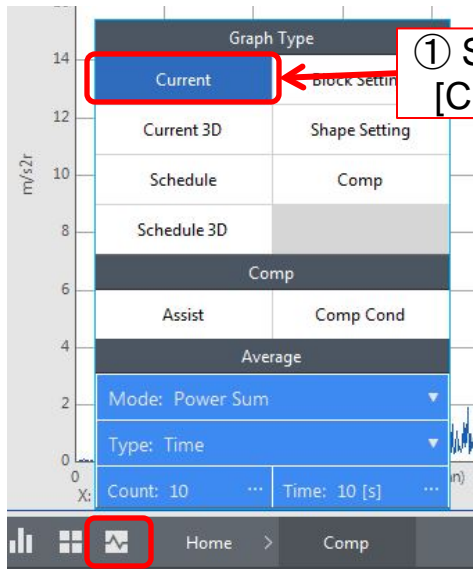
The difference of OK and NG products is shown here.

No	X Lower	X Upper	Y Lower	Y Upper	NG Num	Limit	Method	Area Up	Area Low
1	125	325	7.355527	16.4563	1	UPPER	PKLEVEL	50	30

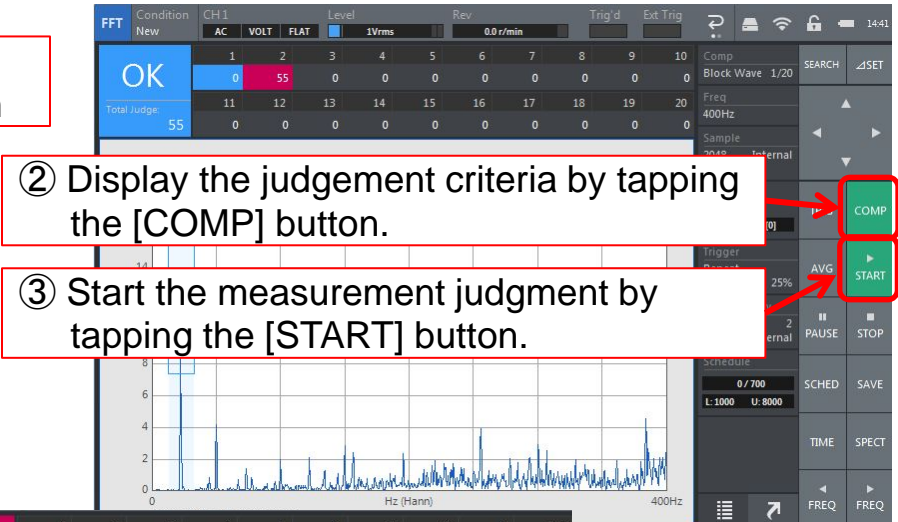
② Confirm the judgement method after switching to the VIEW screen. For this manual, a judgment is NG when the peak level exceeds the upper line of the created block.
(Limit: UPPER, Method: PK.LEVEL)

4. Execute the comparator function

① For the OK/NG (Pass/Fail) judgment, tap the [COMP] button after switching to the [Current] screen.

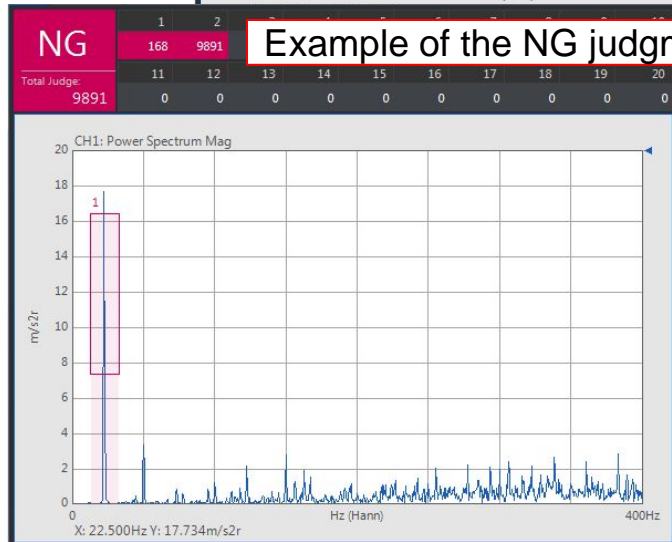


① Switch to the [Current] screen



② Display the judgement criteria by tapping the [COMP] button.

③ Start the measurement judgment by tapping the [START] button.



Example of the NG judgment