

DS-0321 FFT Analysis Software
Measurement method of partial overall

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Overall value is the product sum of the power values of all frequencies analyzed by FFT. Partial overall is the selected upper and lower limit value from it. Those values can be obtained by the FFT analysis function of the DS-0321. Please follow the following procedure.

1. Change the cursor mode from Peak to Delta.

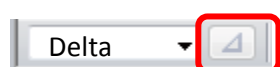
It can be selected from cursor setting or under bar on the screen.

When Delta is selected, delta cursor (pink) and search cursor (red) are appeared.

2. Click the delta cursor setting.

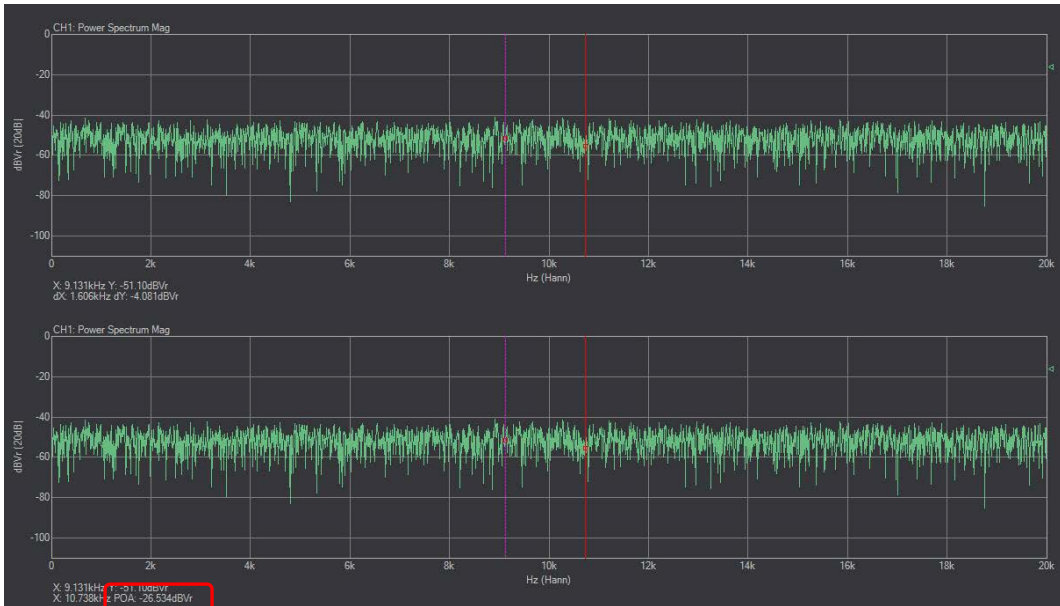
3. Change the Y-axis Disp Format from [By Between Two Points] to [Partial overall].

4. Check the display is changed to POA.



5. Move the search cursor to the lower limit frequency by mouse and click SET button to confirm it.
 * the delta cursor is moved to the confirmed value and the lower limit frequency is fixed.

6. Move the search cursor to the upper limit frequency.



7. The partial overall which is in between the delta cursor and search cursor is displayed.

▼ Data Disp Setting	
▶ Graph Format Setting	
▶ Data Setting	CH1: Power Spectrum
▶ X-axis Scale Setting	Lin
▶ Y-axis Scale Setting	Default
▼ Cursor Setting	Peak
▼ Cursor Position Setting	
Search Cursor Position	40 line
Regist Delta Cursor Position	Exec
▼ X-axis Cursor Setting	
Disp Type	Standard Convert
Disp Decimal Place Count	3
▼ Y-axis Cursor Setting	
Disp Type	Standard Convert
Decimal Place Count (Lin)	3
Decimal Place Count (Log)	2
Overall Value Display	<input type="checkbox"/>
Cursor Synchronization	<input checked="" type="checkbox"/>
Time-axis Peak	Peak
Two Cursor Values Display	<input type="checkbox"/>
Search Point Line Display	<input checked="" type="checkbox"/>
Search Enhancement	<input type="checkbox"/>
▼ Delta Cursor Setting	
X-axis Disp Format	By Between Two Points
Y-axis Disp Format	
▶ Graph Setting	<input type="checkbox"/>
▶ List Display	<input type="checkbox"/>
▶ 3D Display	<input type="checkbox"/>
Nyquist Diagram	<input type="checkbox"/>
Orbit Diagram	<input type="checkbox"/>
▶ Trace Line Setup	Open
▶ Schedule Diagram Setting	
Mode Circles Display	<input type="checkbox"/>

Change to Partial OFF

8. The frequency value of the search cursor can be displayed when change the X-axis Disp Format from [By Between Two Points] to [OFF].

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