

Agilent PN 8590-7

View Two Different Frequency or Time Spans Simultaneously

Product Note

How to use the zoom window function in Agilent Technologies 8590 C/E-series spectrum analyzers

The zoom window function in 8590 C/E-series spectrum analyzers allows you to see a wide span and a narrow span simultaneously. A marked zone in one wide-span zoom is expanded in a second window; tuning the marked zone updates the zoom window.

The windows are controlled with three hardkeys; [ON], [NEXT], and [ZOOM]. [ON] initiates the windows mode and splits the screen. [ON] also brings up a set of softkeys that control the position and span of the zone relative to the wide-span window. [NEXT] changes which window is active, and [ZOOM] expands the active window to a full-screen display with full annotation.

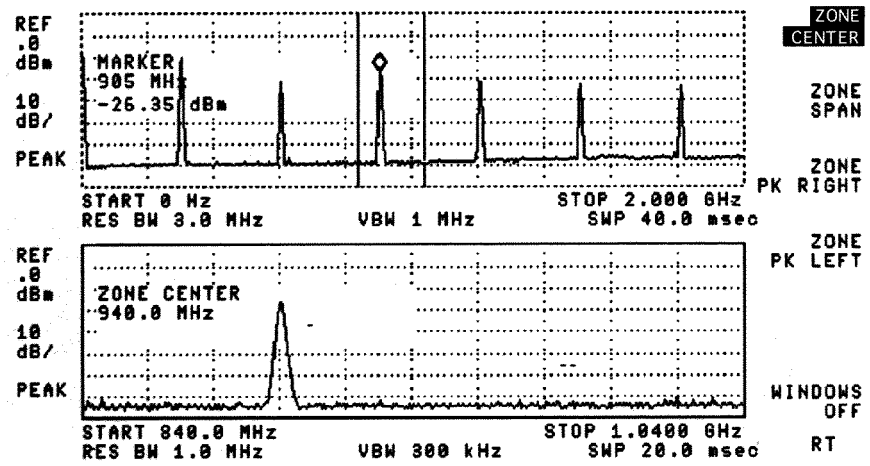


Figure 1. A broad span (upper window) shows the fundamental and the harmonics. The zone between the two vertical lines (markers) in the upper window is expanded in the lower window.



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Ordering information

Compatible spectrum analyzers

- 8591C
- 8591E
- 8593E
- 8594E
- 8595E
- 8596E

Required configuration

Standard, no options required

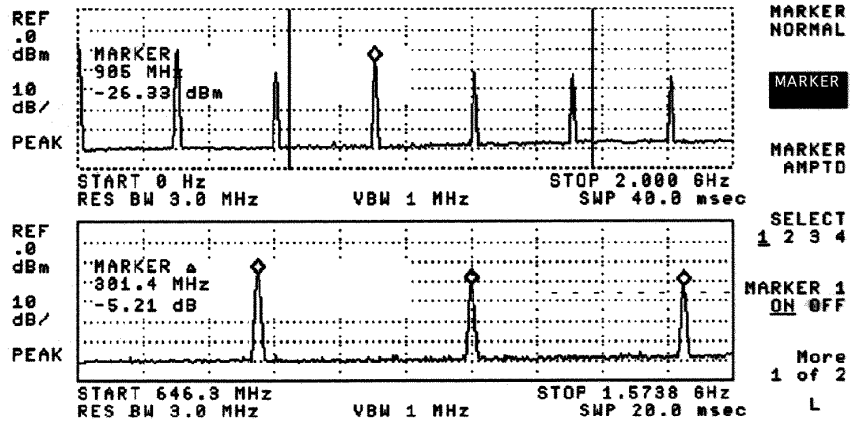


Figure 2. Markers can annotate both windows' traces.

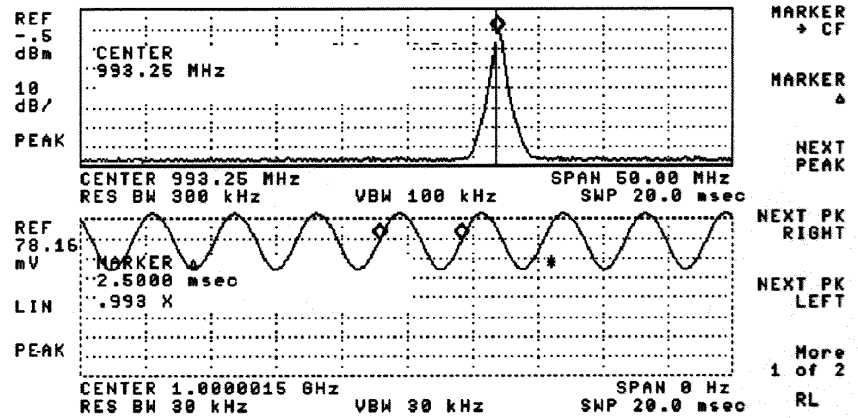


Figure 3. Using zero span in the lower window, you can view the signal marked in the upper window in the time domain.

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