



83651A Synthesized Sweeper, 45 MHz to 50 GHz

Data Sheet

Product Specifications

Specifications are the Agilent 8510 specifications, plus the following:

Range: 45 MHz to 50 GHz

Resolution: 1 Hz

Accuracy

CW Mode: Same as time base Swept Mode

At Frequencies ≤ 26.5 GHz

Sweep Widths $\leq n \times 10$ MHz: 0.1% of sweep width \pm time base accuracy

Sweep Widths $< n \times 10$ MHz and ≤ 400 MHz: 1% of sweep width

Sweep Widths < 400 MHz and ≤ 4 GHz: 4 MHz

Sweep Widths > 4 GHz: 0.1% of sweep width

At Frequencies > 26.5 GHz

Sweep Widths $\leq n \times 10$ MHz: 0.1% of sweep width \pm time base accuracy

Sweep Widths $> n \times 10$ MHz and ≤ 800 MHz: 1% of sweep width

Sweep Widths > 800 MHz and ≤ 8 GHz: 8 MHz

Sweep Widths > 8 GHz: 0.1% of sweep width

Output Power Specifications

Maximum Leveled

Frequencies ≤ 20 GHz: +10 dBm

Frequencies > 20 GHz and ≤ 26.5 GHz: +4 dBm

Frequencies > 26.5 GHz and ≤ 40 GHz: +3 dBm

Frequencies > 40 GHz: 0 dBm

Minimum Settable: -20 dBm



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