

# AP5001A and AP5002A RF and Microwave Analog Signal Generator

## Portable, Pure Signal Source for RF Characterization

The portable, general-purpose Keysight RF/ $\mu$ W analog signal generator enables you to characterize and fully stress-test your devices up to 26 GHz quickly and confidently. Thoroughly characterize your device with the signal generator's **best-in-class output power range** and **phase noise**. Plus, accelerate testing with the superior frequency **switching speed**. All of this is backed by Keysight's three-year warranty and KeysightCare Technical Support to de-risk your projects. Keysight offers a portfolio that can scale to meet all your signal generation needs with unmatched purity and precision.

	AP5001A RF analog	AP5002A $\mu$ W analog
<b>Frequency range</b>	9 kHz to 2, 4, or 6.1 GHz	9 kHz to 12, 20, or 26 GHz (30 GHz settable)
<b>Output power range</b>	-30 to +17 dBm; -120 to +17 dBm (Opt. 1E1)	-20 to +15 dBm; -120 to +23 dBm (Opt. 1E1/1EA)
<b>Phase noise at 1 GHz, 20 kHz offset</b>	-128 dBc/Hz, -130 dBc/Hz typ.	-128 dBc/Hz, -130 dBc/Hz typ.
<b>Harmonics at 1 GHz</b>	-30 dBc, -40 dBc typ.	-30 dBc, -40 dBc typ.
<b>Non-harmonics at 1 GHz</b>	-55 dBc, -65 dBc typ.	-65 dBc, -75 dBc typ.
<b>Frequency switching speed</b>	200 $\mu$ s, 20 $\mu$ s typ.	300 $\mu$ s, 200 $\mu$ s typ.
<b>Modulation capabilities</b>	AM, FM, PM, pulse, frequency chirps	AM, FM, PM, pulse, frequency chirps
<b>Weight</b>	$\leq$ 2.5 kg / 6 lbs	$\leq$ 2.5 kg / 6 lbs
<b>Calibration cycle</b>	24 months	24 months

For more information [www.keysight.com/find/AP500xA](http://www.keysight.com/find/AP500xA)

AP5001A	RF Analog Signal Generator
AP5001A-502	Frequency range, 9 kHz to 2 GHz
AP5001A-504	Frequency range, 9 kHz to 4 GHz
AP5001A-506	Frequency range, 9 kHz to 6.1 GHz
AP5001A-1E1	Step attenuator
AP5002A	Microwave Analog Signal Generator
AP5002A-512	Frequency range, 9 kHz to 12 GHz
AP5002A-520	Frequency range, 9 kHz to 20 GHz
AP5002A-526	Frequency range, 9 kHz to 26 GHz
AP5002A-1E1	Step attenuator
AP5002A-1EA	High output power

