

SSG5040X

SSG5060X

SSG5040X-V

SSG5060X-V

General Description

SIGLENT'S SSG5000X series of signal generators can generate analog and vector signals, and have a frequency range of 9 kHz to 4 GHz/6 GHz. They feature the industry-leading performance in phase noise, spectral purity, bandwidth, EVM, output power. The internal IQ modulation generator and waveform playback function make it easy to create even the most complex signal types. They also cover the most important RF band for digital wireless communications and include standard waveform files. The SIGLENT SSG5000X are powerful and cost effective sources that are ideal for R&D, education, and manufacturing.

Features and Benefits

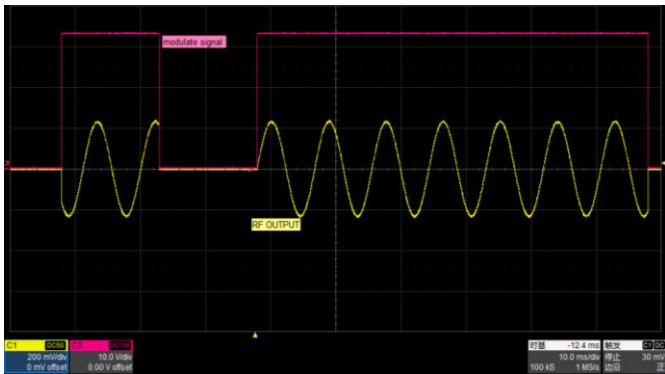
- Frequency up to 4 GHz/6 GHz
- 0.001 Hz frequency setting resolution
- Maximum output power up to +26 dBm (typ.)
- Phase Noise: -120 dBc/ Hz @ 1 GHz, 20 kHz offset (typ.)
- User programmable flatness correction
- Provides AM, FM, PM analog modulation with internal, external or Int+Ext source
- Single pulse, double pulse and pulse train generator (option)
- Internal IQ modulation with 150 MHz modulation bandwidth with perfect in-factory calibration
- Built-in digital communication standard waveform files such as 5G-NR,LTE, WCDMA, WLAN, Blue-Tooth , CDMA
- Internal Custom mode generate common IQ signals such as QAM, FSK, ASK, MSK
- Analog differential I/Q outputs
- External analog I/Q input
- USB-power meter measurement
- 5 inch TFT capacitive touch screen, mouse and keyboard supported
- Web browser remote control on PC and mobile terminals
- Standard interface includes USB Host, USB Device (USB TMC), LAN (VXI-11, Socket, Telnet). Optional interface: GPIB

Model and Main index

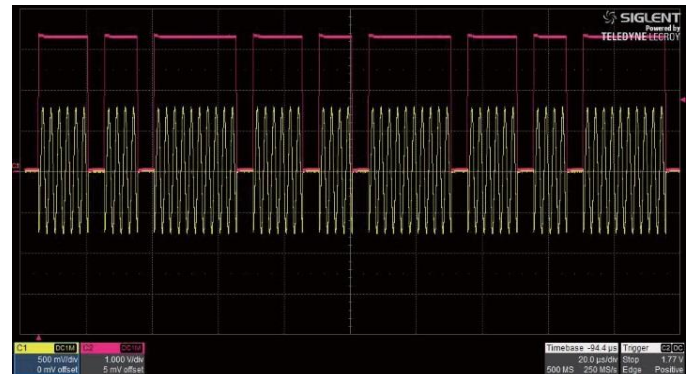
Model	SSG5040X	SSG5060X	SSG5040X-V	SSG5060X-V
Frequency Range	CW MODE 9 kHz-4 GHz	CW MODE 9 kHz-6 GHz	CW MODE 9 kHz-4 GHz IQ MODE 10 MHz-4 GHz	CW MODE 9 kHz- 6 GHz IQ MODE 10 MHz- 6 GHz
Frequency Resolution	0.001 Hz			
Amplitude Resolution	0.01 dB			
Phase noise	-120 dBc/Hz @1 GHz, offset 20 kHz (typ.)			
Display	5 inch capacitance touch screen, RGB (800*480)			

Design Features

Double pulse modulation



Pulse train generator



Use an external USB power sensor to compensate cable losses

