

# Keysight Signal Generation Supports with Compact VSG AP5041A and AP5042A



Maximize Your Investment with  
Standardized or Customized Modulation Waveform Playback

## Now You Can Order Signal Studio Licenses Together with AP5041A And AP5042A

Keysight introduced two new compact Vector Signal Generators (VSG) AP5041A (single channel) and AP5042A (multiple channel). Both can support the frequency from 100 kHz to 40 GHz and have the built-in modulation bandwidth up to 400MHz. Based on its high-performance internal I/Q modulator, it can enable customized modulation waveforms and also support dedicated cellular/wireless standards. Now, when you order AP5041A/AP5042A compact VSG, you can also order N76xxEMBC Signal Studio waveform playback licenses together, including the key cellular (5G NR/4G/3G/2G), wireless connectivity (WLAN/*Bluetooth*®/IoT), satellite communication (DVB-S/S2/S2X), and general-purpose (Custom Modulation/Custom OFDM) Signal Studio applications.

### Cellular

- N7600EMBC for W-CDMA/HSPA
- N7601EMBC for CDMA2000
- N7602EMBC for GSM/EDGE
- N7612EMBC for TD-SCDMA
- N7624EMBC for LTE-A FDD, NB-IoT/eMTC
- N7625EMBC for LTE-A TDD
- N7626EMBC for LTE V2X
- N7631EMBC 5G NR
- N7632EMBC NR V2X

### General Purpose/Wireless Connectivity/Satellite/Other

- N7608EMBC for Custom Modulation/Custom OFDM
- N7606EMB for *Bluetooth*
- N7610EMBC for IoT (UWB/LoRa/Wi-SUN/ZigBee)
- N7611EMBC for Broadcast Radio (incl. FM Stereo/RDS, DAB/DAB+)
- N7615EMBC for Mobile WiMAX
- N7617EMBC for WLAN 802.11a/b/g/n/ac/ax/be/bn
- N7623EMBC for Digital Video (incl. DVB-T/T2, DVB-C/ J.83B, DVB-S/S2/S2X, DOCSIS3.1/4.0)
- N7640EMBC for Land Mobile Radio (LMR)

**Note:** currently only node-locked perpetual license is orderable for Signal Studio together with AP5041A and AP5042A compact VSG. 5G NR 1CC, BW 100 MHz, 1 GHz EVM is about -53 dB (typical).

For more information, please refer to Signal Studio [brochure](#) about the supported software, or the configuration guide of [AP5041A](#) and [AP5042A](#) vector sources for detailed configurations.

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at [www.keysight.com](http://www.keysight.com).



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