



AnaPico AG Switzerland

www.anapico.com

100% Swiss Company Supplying RF and MW Test Instruments

Represented in over 40 countries

ISO 9001 certified

Founded in 2004 in Zurich, Switzerland

Privately held

R&D, manufacture, sales and marketing

Profitable and growing since > 10 consecutive years



AnaPico Products

SINGLE-CHANNEL RF / MW SIGNAL GENERATORS



APSINX010: single-channel RF SG up to 2, 4, 6 GHz, analog modulations

APSINXXG: single-channel MW SG up to 12, 20, 26 GHz, analog modulations

APULN: high-performance RF and MW SG up to 6, 12, 20, 26, 40 GHz, analog modulations

APVSG: ultra-agile, vector RF and MW SG up to 4, 6, 12, 20, 40 GHz, digital modulations

MULTI-CHANNEL RF / MW SIGNAL GENERATORS



APMS-X: up to 4 fully independently adjustable, phase-coherent and phase memory, up to 6, 12, 20, 33, 40 GHz

APVSG-X: up to 4 fully independently adjustable, phase-coherent, 4, 6, 12, 20, 40 GHz

FREQUENCY SYNTHESIZERS SINGLE- / MULTI-CHANNELS



APSYN420, APSYN140(-X): single- and multichannel frequency synthesizers up to 20, 40 GHz

APUASYN20(-X): ultra-compact up to 20 GHz, 1/2/3/4 channels

SIGNAL SOURCE ANALYZERS / PHASE NOISE TESTERS



APPH: versatile, broadband instruments up to 7, 26, 40, 50, 65 GHz with very high measurement sensitivity



Multi-Channel MW Analog Sources

Models:

• APMS-X: 6, 12, 20, 33, 40 GHz

APUASYN20-X: 20 GHz

APSYN140-X: 40 GHz

Applications:

- As RFLOs to IQ modulators / mixers
- As pumping sources for parametric amplifiers





Main QC relevant features:

- Settling time as quick as 5 to 25 us
- Very low phase noise: 20 GHz, 10 Hz offset: -80 dBc/Hz; 100 kHz offset: -122 dBc/Hz
- Output power: up to +25 dBm
- Best-in-class phase coherence: RMS 0.2 degree@ 5 GHz over 5 hours
- Unique phase-coherent switching: maintaining the same phase difference between the channels after frequency change and ON/OFF
- Channel individual phase adjustment
- Compact design: up to 4 channels in 1 HU RM module
- Low power consumption: 15 to 40 W per channel
- Powerful channel to channel synchronization: inter-channel sync and sync to external ref sources
- Pulse modulation, AM/FM/PM.



Multi-Channel MW Digital Sources

Models:

APVSG-X: 4, 6, 12, 20, 40 GHz

Applications:

- As RFLOs to IQ modulators / mixers
- Generation of QuBit manipulation signals

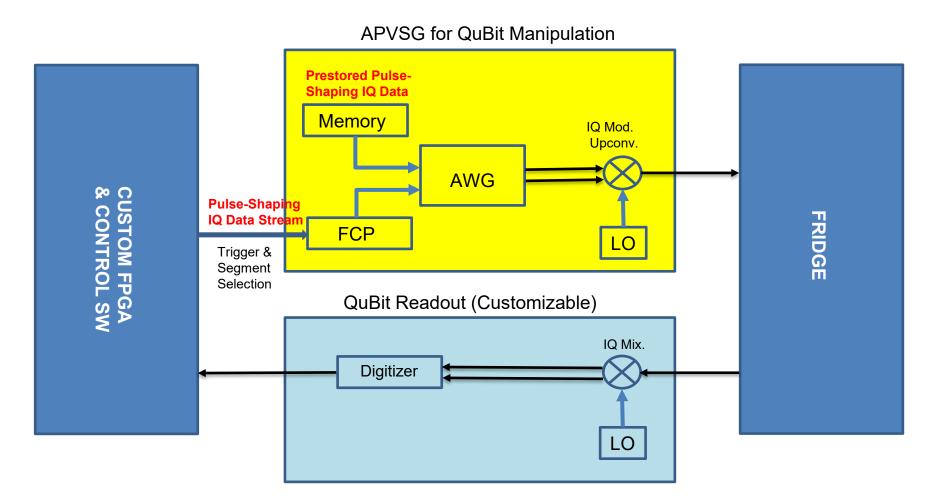


Main QC relevant features:

- Settling time as quick as 200 ns
- Very low phase noise: 20 GHz, 10 Hz offset: -80 dBc/Hz; 100 kHz offset: -120 dBc/Hz
- Output power: up to +20 dBm
- Best-in-class phase coherence: RMS 0.2 degree@ 5 GHz over 5 hours
- Channel-individual phase adjustment
- Compact design: up to 4 channels in 2 HU RM module
- Low power consumption: 40 60 W per channel
- Pulse, analog and vector modulations with bandwidth 400 MHz
- Int. RAM 512 MSa per channel and ext. SD card for IQ waveform storage
- Int. programmable and ext. controllable waveform selection and playback



APVSG for Quantum Computing





Quantum Computing Customer References

USA:

☐ IBM / Google / MIT / ... USA

Europe:

- ☐ Oxford Uni. / Oxford Quantum Circuits / ... UK
- ☐ Chalmers Uni., Sweden
- ☐ QuTech, Netherlands
- ☐ Uni. of Vienna, Austria
- □ KIT / TUM / FZJ / ... Germany
- ☐ EPFL, MiraEx, Switzerland

Asia-Pacific:

- ☐ Qinghua Uni. / Beijing Uni. / Zhejiang Uni. / CAS / USTC / ... China
- □ Tokyo Uni. / Nagoya Uni. / NTT / AIST / RIKEN / NICT / ... Japan
- ☐ ETRI / KAIST, Korea
- ☐ Sydney Uni., Australia

