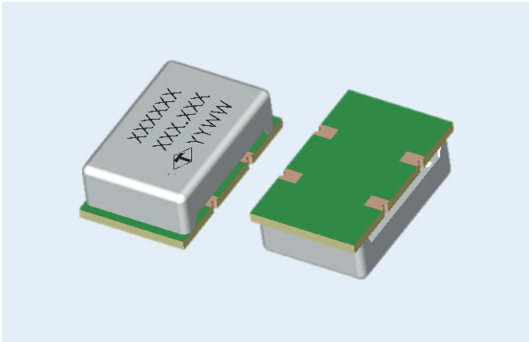


Low phase noise | Low G-sensitivity | Low Power

## Taitien Electronics introduce - New low phase noise VCXO - VLCU & VLEU series



Taitien Electronics, a leading frequency control solution supplier, introduced the new VLCU & VLEU VCXO product series that has superior phase noise and low G-sensitivity performance. The Noise floor is as low as  $-175$  dBc/Hz which is very suitable for Phase Lock Loop (PLL) application or other applications with tight requirements on time-frequency reference. Such as Testing and Instrument, Optical network communication, Satellite communication, RRH of 5G base station, High-definition Video broadcasting system etc. The VLCU/VLEU series VCXO provides Clipped Sinewave or CMOS output with package size  $14.0 \times 9.0 \times 3.6$  mm<sup>3</sup>.

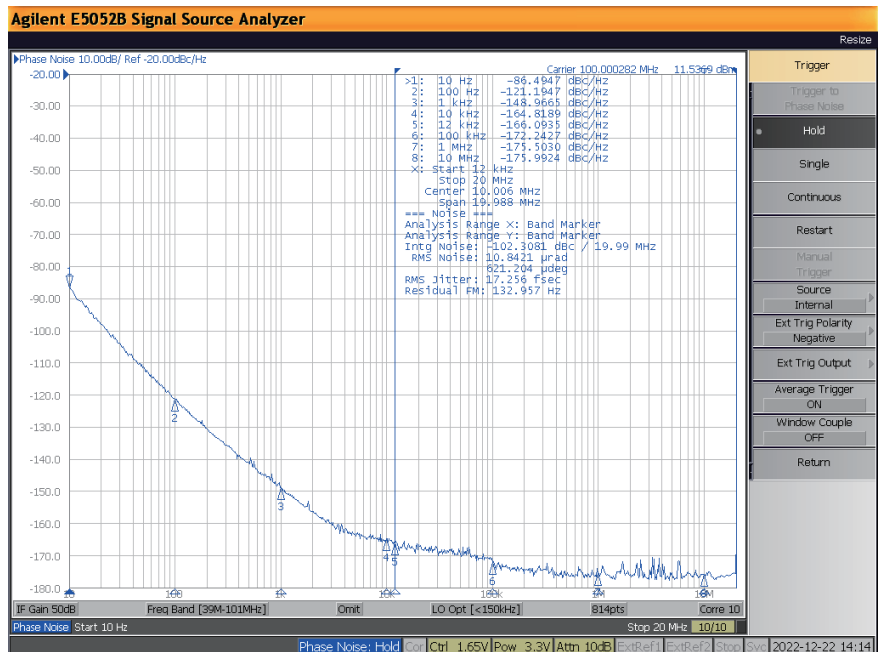
### Product Features

- Frequency Range : 50 ~ 150 MHz
- Phase Noise Floor :  $-175$  dBc/Hz
- Operation Temperature :  $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- Operation Voltage : 5V or 3.3V
- Power Consumption :  $I_{dd} < 30\text{mA}$

### Applications

- Microwave communication system
- Telecommunication
- Satellite communication
- Testing and Instrument
- Optical network communication
- HD Video broadcasting system
- 5G bases station

### Phase noise performance



#### About TAITIEN:

Taitien is a leading global manufacturer of frequency control products and offers a wide range of quartz crystals, oscillators, VCXOs, TCXOs, OCXOs, precision crystals, and thickness monitor crystals. The company is ISO 9001 and IATF 16949 certified, with design and application engineering resources in Taiwan, China, and the United States.

Taitien was founded in 1976 as one of the original manufacturers of the tuning fork. In the early 1990s, Taitien became a primary VCXO supplier for major telecommunication companies. In the following years, Taitien invested significant resources into R&D, becoming one of the leading producers of surface mount oscillators with CMOS and LVPECL outputs. To this day, Taitien continues to operate as a top tier manufacturer in the FCP industry, offering leading edge solutions to its customers worldwide.

