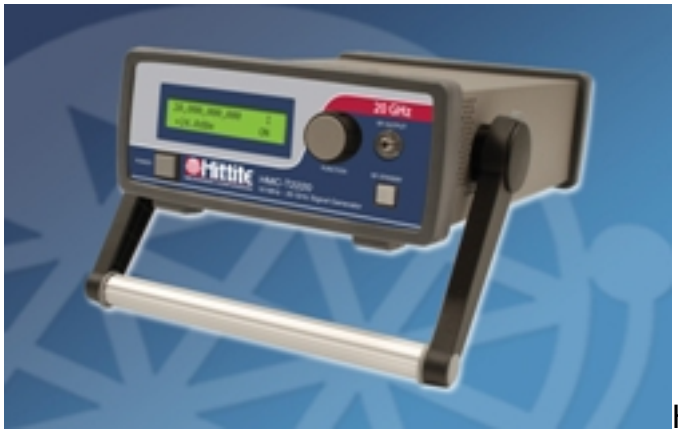
Signal Generator Boasts Excellent Phase Noise



Hittite Microwave has launched the HMC-T2220, a new and easy to implement 10 MHz to 20 GHz Synthesized Signal Generator which provides the highest output power, lowest harmonic levels and broadest frequency range compared with any signal generator in its class for only $9,998.00.

Ideal for use in automated test and measurement environments, research, and development laboratories; the HMC-T2220 is a compact and lightweight frequency generator that delivers up to +28 dBm of CW output power in 0.1 dB steps over a 60 dB dynamic range. Harmonic rejection is better than -30 dBc and spurious products are better than -57 dBc across the entire bandwidth. Phase noise is -99 dBc/Hz @ 100 kHz offset at 10 GHz with insignificant deviation over the temperature range of 0 to +35°C. The broad frequency range of 10 MHz to 20 GHz covers all major communication bands with frequency resolution of 1 Hz and fast switching speed of 300 µs.

Built on a foundation of Hittite's high quality and market leading MMICs, this versatile signal generator features multiple interfaces (USB, GPIB and Ethernet) and innovative control software ensuring carefree integration within multiple test environments. An installation disk that accompanies each unit includes all of the drivers (LabView, C Programming) required to remotely control the device as well as a user friendly GUI interface compatible with Windows XP, Windows Vista or Windows 7 operating systems. User control is facilitated via pull down menus that allow programming of single or swept modes in frequency and/or power. Integration of multiple units within a production test environment is easy and affordable.

Furthermore, to facilitate integration into existing HMC-T2100 applications, the HMC-T2220 has a HMC-T2100 compatibility mode. In this mode, the HMC-T2220 identifies itself as a HMC-T2100 so that the HMC-T2100 USB drivers will work for a HMC-T2220, and programs will recognize a HMC-T2220 as a HMC-T2100. The HMC-T2220 frequency resolution, maximum and minimum power values and minimum sweep dwell time also change to match the HMC-T2100.

The HMC-T2220 is compact and lightweight making it well suited for integration

within various test environments, while improving overall productivity and equipment utilization. The size and capability of the HMC-T2220 ensures a simpler test configuration coupled with exceptional value. The HMC-T2220 Synthesized Signal Generator can be ordered via the company's e-commerce site or direct purchase order. Contact us today to request your on-site product demonstration.

Source URL (retrieved on *07/30/2014 - 6:55am*):
http://www.wirelessdesignmag.com/product-releases/2011/06/signal-generator-boasts-excellent-phase-noise