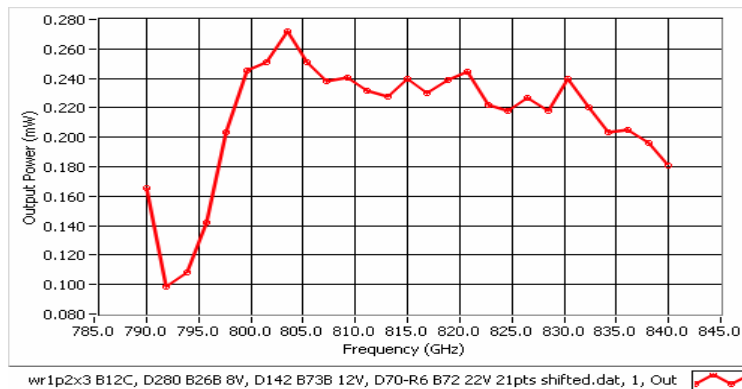


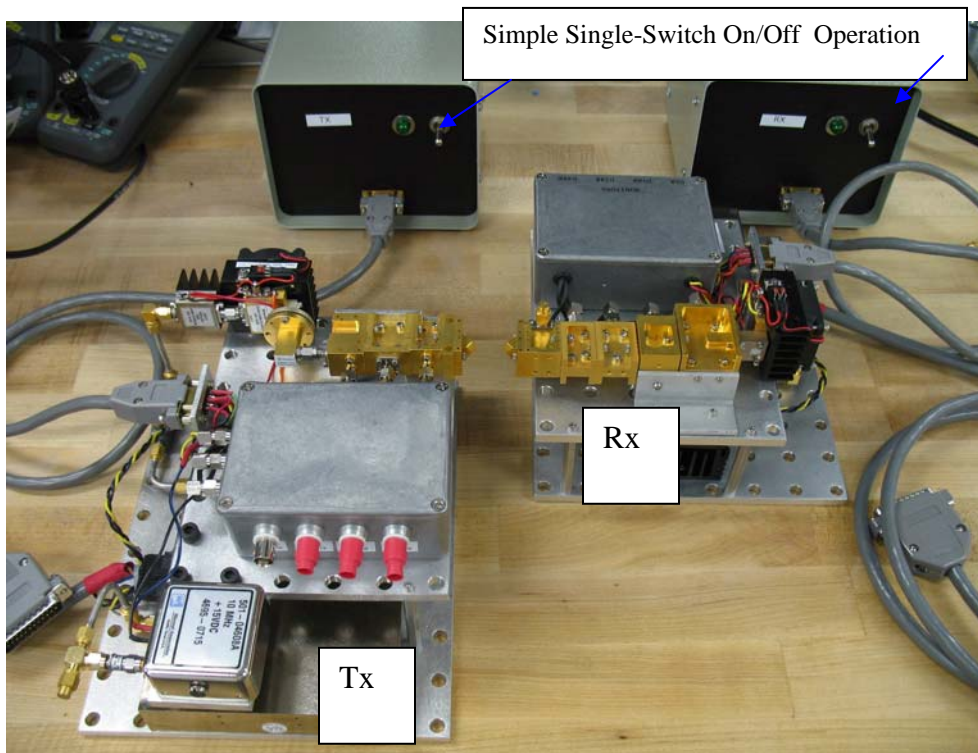
790-840 GHz Phase-Locked Tx and Rx using Low-Frequency Synthesizer

June 2007

VDI has developed a compact 790-840 GHz phase-locked transmit and receive system using PC controlled 10-14 GHz synthesizers. Approximately 0.2 mW of RF output power is achieved with Tx. The receiver conversion loss is < 15 dB DSB (includes LNA). Rx and Tx are phase-locked to a common 10 MHz Xtal oscillator



The transmitter output power at 790-840 GHz can be modulated using a TTL modulation control input. Easy to use PC software for Tx, Rx, frequency-control included.



Please contact VDI today for additional details (434) 297-3257