

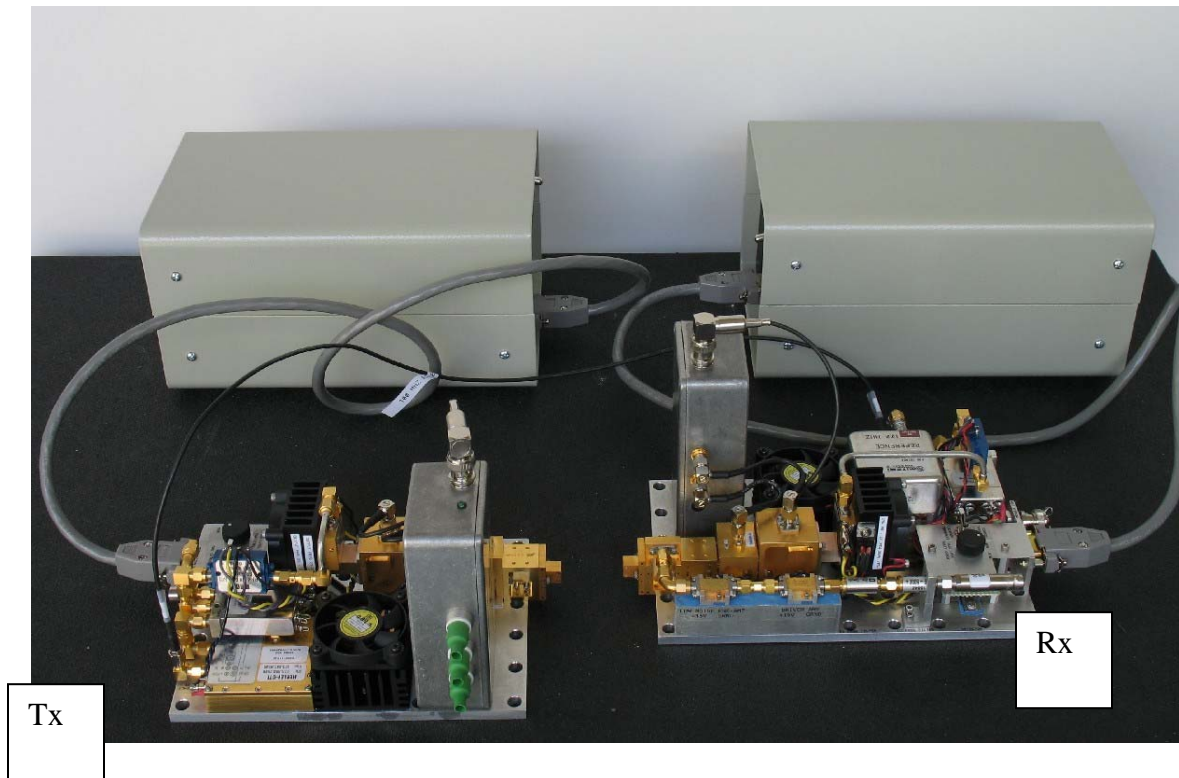
***New 640 GHz Phase-Locked Tx and Rx Using Fixed-Frequency PDRO or Customer's Low-Frequency Input with 20GHz Output BW***

***May 2007***

VDI has developed a compact 640 GHz phase-locked Transmit and Receive System using fixed-frequency PDROs. Approximately 0.5mW of RF output power is achieved with Tx. The SSB receiver conversion loss is <15 dB (includes LNA).

The system is configured to use a low-frequency input signal provided by the user or an optional PDRO supplied by VDI. The user simply flips a switch and can use the system with 20GHz Output BW. The measured phase noise is approximately -75dBc/Hz @ 100 KHz.

The transmitter output power at 640 GHz can be adjusted and modulated.



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