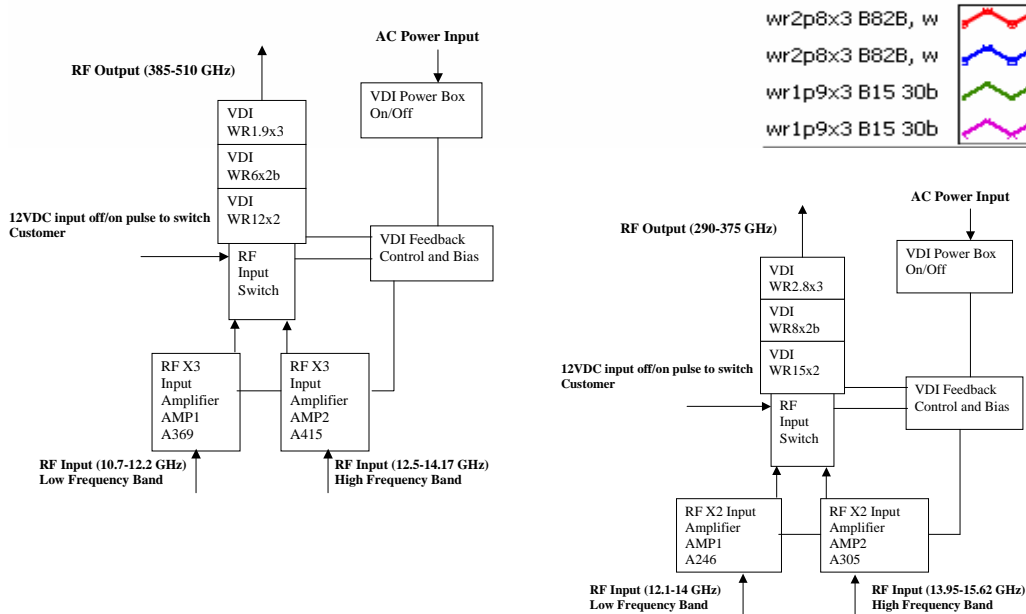
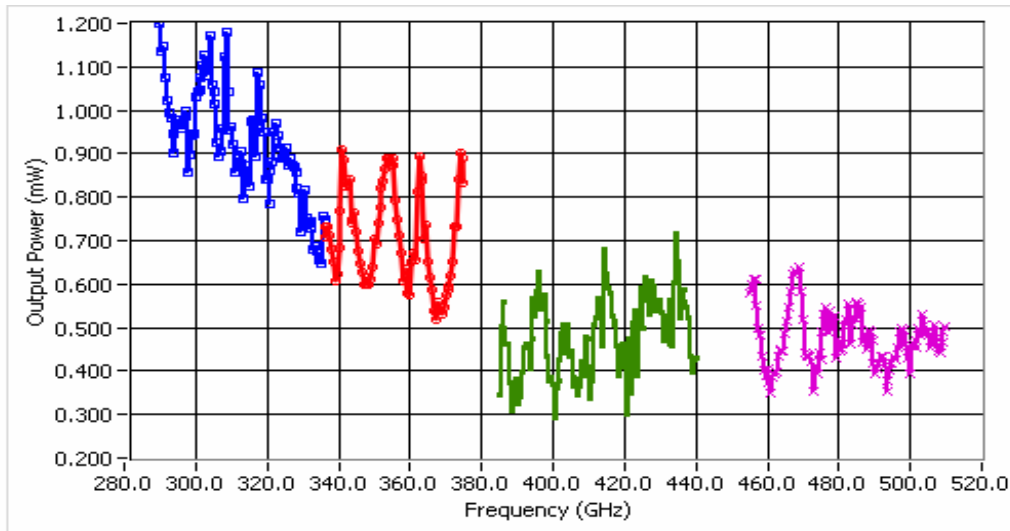


New 280-520 GHz Amplifier-Multiplier-Chain (AMC)

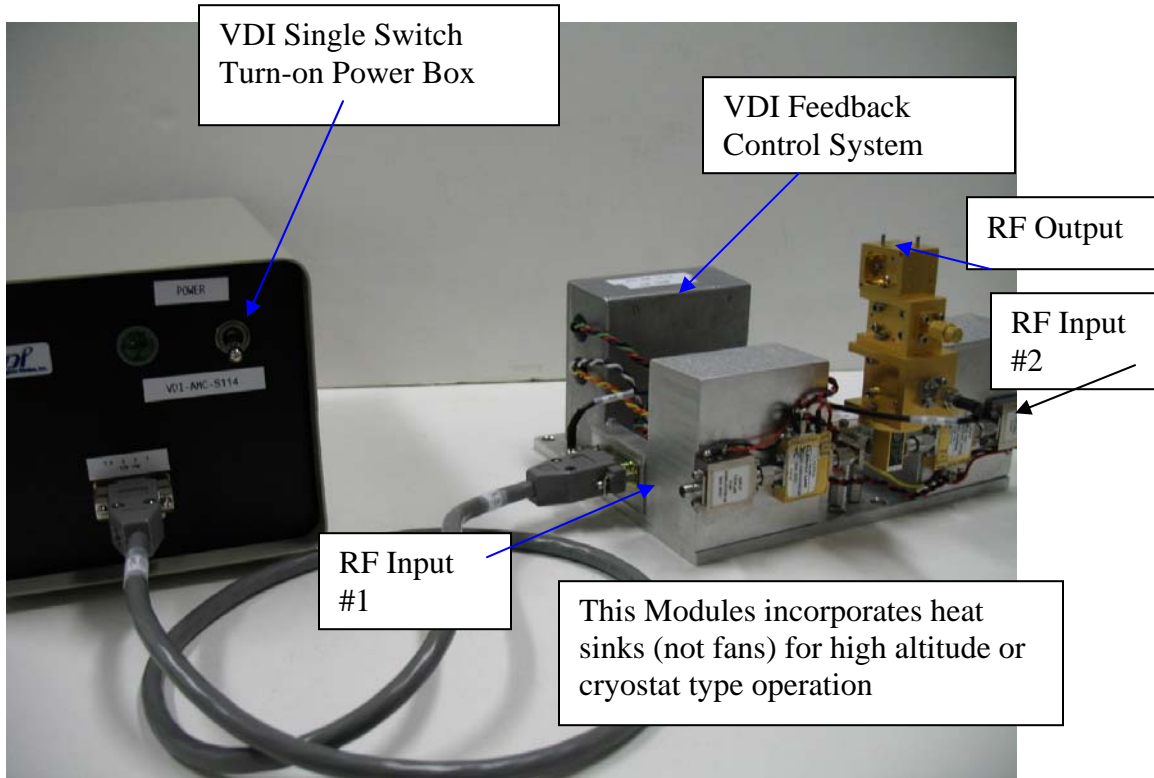
January 2007

VDI has developed a compact Amplifier Multiplier Chain for the 280-520 GHz Band. The module uses 4 RF amplifiers and 2 RF switches to achieve low frequency amplification and frequency multiplication over an extremely large Bandwidth. Approximately 0.5 to 1mW of RF Output power is achieved across the 280-520 GHz Band.



The 4 RF input and 2 RF output system is outlined above.

There are 4 RF Input ports covering the 10.7-15.62 GHz Band; RF input power is 19dBm for Typical and Saturated operation. A simple Turn-on VDI Power Box allows for easy operation without any bias adjustments or tuners. The all-solid-state VDI system is compact and robust.



Two RF inputs and one RF output is shown above (385-510 GHz).

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