RF Capabilities

Space Vector produces a variety of RF/Microwave components suitable for Launch Vehicles, Spacecraft, Missiles, UAVs and other applications encountering severe environmental conditions.

- RF Filters, Couplers, Amplifiers, and Switches
  - Lowpass, Highpass, Bandpass, Bandstop, All Pass Filters
  - Resistive, in-phase, 90° hybrid, 180° hybrid, directional couplers
  - LNA, PA, distributed, cascode, darlington, class A, class AB, class B
  - Reed relay, pin diode and FET based switches, both in series and shunt configurations
- Support Circuity
  - Limiters, gain equalizer, attenuators, sequencers, thermal compensators, linearizers, mixers, PLL's, modulators, phase shifters, bias tee's, etc.
- Frequency Converters
  - Block down, block up and frequency tuned down
- Telemetry Antennas
  - Microstrip, helical, omni-directional with integral LNAs and airborne blades
  - Unique designs include sector-scan antennas for telemetry, phased antenna systems and complete single channel monopulse feeds for parabolic reflector antennas.
- Telemetry Signal Simulators
  - Antenna bore sight systems, portable hand-held field units and rack-mounted laboratory units
- Custom Microwave Circuits
  - Fixed and Tuned Phased Locked Oscillators and Monopulse Converters
- Telemetry Transmitters
  - PCM-FM transmitters and S-band video transmitters

Low Noise Amplifier (LNA)