**L3**

Telemetry & RF Products
- Space-borne RF subsystems for **STDN, SGLS, USB**
- Space-borne high data rate Ka band transmitters
- Space-borne crypto
- InControl Software for satellite and ground system control and automation
- Airborne and ground based encryption and decryption, airborne data acquisition products

Narda Microwave - West
- Space-borne RF Up/Down Converters. Multi-Pack configuration
- Space borne diplexers, multiplexers, channel Amplifiers, and beacon transmitters
- Custom integrated microwave assemblies
- Waveguide and coaxial components including Attenuators, WG to Coax adapters, couplers, feedthroughs, phase shifters, flex and rigid WG assemblies
- Frequency coverage to 50 Ghz from Commercial, Mil-spec and Space-level qualification.

**OPTISYS**
- Metal 3D printed custom antennas 1GHz-100GHz
- Antenna arrays, Feeds and Sub-reflectors
- Space Qual, Air-borne, Ground

**Gigatronics**
- TEmS real-time Threat Emulation Test System
- Multi-Platform Threat Emulation System
- Real-Time Synthesizers
- Open architecture recorder systems for ELINT/COMINT/SIGINT
- COMINT Portable dual & quad channel tunable transceivers
- ELINT ultra-wideband spectrum processors
- RADAR Simulation, HF Processing, RF/IF recording/playback

**Viasat**
- Full motion antenna systems at S, C, X, Ku, and Ka Band
- Low and high rate modems for TT&C and payload downlink processing
- Complete turnkey ground stations

**AMERGINT Technologies**
- satTRAC: Software-defined modems
- softFEP: Front End Processors, Recorders, and Gateways for reconfigurable signal processing
- inSIGHT: Data Acquisition and Processing Systems
- Complete turn-key switching systems—Digital, RF, Microwave
- Analog and serial digital video routers
- Switch control and monitor software RouteWarePRO 4.0

**smtths interconnect**
- GPS Time and Frequency Systems
- Time Code Processors
- Microwave components - Ferrites, Oscillators, Integrated Microwave Assemblies (IMA’s) for ground, Mil, and Space applications

**GEODETICS**
- Rugged Positioning, Navigation, and Timing (PNT) sensors for Air/ground/Maritime both commercial and SAASM
- Drone LiDAR Photogrammetry Systems

**Microwave Photonic Systems, Inc.**
- High SNR SFDR Analog Fiber Optic links to 50 GHz
- In-Building Repeater Systems
- Optical Network Cable Assemblies
**RF/ Microwave Instrumentation**
- Broadband Linear Class A Amplifiers 1 watt to 100,000 watts CW and Pulsed, DC to 40 GHz
- Laser Field Monitor systems
- Multi-tone Testers, Antennas, Directional Couplers
- Turn-key systems for MIL-STD-461 and IEC testing

**AR Modular RF**
- Multi-band tactical amplifiers 30MHz—2GHz, 20-200W
- Amplifier modules for EW, Satcom, and industrial

**SunAR RF Motion** formerly Sunar Sciences Corporation
- Turntables, Towers, System Controllers, Antennas
- Positioners, Reverb Tuners

- EMC test chambers
- Anechoic material—pyramidal, tile, high power
- Doors for shielded rooms
- Antenna test chambers

**RF/ Microwave Instrumentation**
- High Power CW and Pulsed Instrumentation Amps
- High Power Transmitters/Modulators
- Radar Receiver Protectors
- Integrated Microwave Assemblies (IMA’s)

**Cell phone over satellite, deployable 3G / 4G LTE base stations providing secure, FCC approved wireless communications for government and industry**

**Cellular engineering/SIGINT services for DoD, Intel, Federal State and Local Law Enforcement**

**Vehicular, Manpack, Base Station & Shipboard antennas for Tactical, ECM, SATCOM etc. (2MHz—18GHz)**

**Commercial antennas for 3G, 4G, 5G, LTE, Wi-Fi, Wi-Max, Mesh Networks and MIMO Applications**

**Shock and Vibration Isolation**

**Custom design, prototyping and manufacturing**

**Accessories for tactical comms systems**

**Amplified speakers, power distribution, battery chargers, vehicle mounting systems**

**Build-to-Print integrated tactical comms suites**

**Ground systems for UAV command/control and data D/L**

**Airborne Ku/Ka band antennas**

**Antenna positioners and controllers to 7 meters**

**Broadband antennas .01—40 GHz**

**Millimeter-wave components, subsystems and systems**

**Antenna & Quasioptical components for space, ground and test**

**Ka Band Up/Down converters, Test Translators for Wide-band Global Satcom (WGS)**

**Millimeter Wave Antenna Design**

**Phase Stable Test & Measurement Cables DC—110 GHz.**

**Flight & Space Qualified. Precision cables**

**Industry Leading Groove Tube® technology**

**CryptoSATA III 2.5” drives with military level AES 256-bit full disk hardware encryption**

**Certified MSATA, M.2 SATA SSD**

**FIPS 140-2 Validated—Certificate No. 2126**

**Runs independent of System BIOS**

**Compact, Deployable COMSEC Kits & Components**

**NSA CSfC CL product manufacturer**

**NIAP Common Criteria Certified / FIPS 140-2 Validated**

**DUAL VPN Gateway/Single Device CSfC listed device**

**Enterprise Class CSfC embeddable VPN Gateway modules**

**Secure Executive Communications Kits**

**Telonic Berkeley Inc.**

**RF Filters (fixed & tunable)**

**RF Switches, Switch Filters, Attenuators (electronic & manual control)**

**Pin Diode Control Components**

**Riva Microwave**

**Millimeter wave components, subsystems and systems**

**Phase Stables Test & Measurement Cables DC—110 GHz.**

**Flight & Space Qualified. Precision cables**

**Industry Leading Groove Tube® technology**

**Integral**

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