



- Open Space and Quantum Products
- Narrowband & Wideband modems
- Recorders
- Gateways, Crypto bookends
- Digitizers (SpectralNet and Edge)



- Mixed Signal Product Portfolio
- Up/Down Converters up to 110GHz
- IF to IF Converters, Digital IF Transceivers
- Tuners, Microwave Synthesizers
- RF SiP (System in a Package)
- RF SoC based Digitizers and Recorders



- Manufacturer of turn-key satellites/payloads/sub-systems
- Scaled for one-off to mass manufacture 1U to 200kg Class
- Reaction wheels, solar panels, control modules, buses
- Hosted payload services, build to print/spec
- Space borne composites, raw, intermediate and finished



- Custom subsystems, multifunction modules
- Amplifiers, multipliers, converters, waveguide filters
- Horn, Lens and GOA Antenna designs, feeds & reflector antennas to 650GHz



- Metal 3D Printed Custom Antennas 1GHz to 100GHz
- Antenna Arrays, Feeds and Sub-Reflectors
- Space Qual, Airborne, Ground



- Full Motion Antenna Systems at S, C, X, Ku, and Ka Band
- Aperture Sizes 5.4M and larger (up to 24M)
- High Rate Modems for TT&C and Payload Downlink Processing
- Complete Turnkey Ground Stations



- High SNR SFDR Analog Fiber Optic links to 50GHz
- In-Building Repeater Systems
- Optical Network Cable Assemblies
- RF DAS / Systems Engineering
- Delay Lines



- Complete Turnkey Switch Matrices — Digital, RF, Microwave
- Analog and Serial Digital video Routers
- Switch Control and Monitor Software RouteWarePRO 4.0
- Distribution Amplifiers & Multicouplers



- Microwave Tuners 30MHz—70GHz
- RF Digitizers 30MHz—40GHz
- Upconverters and Transmitters 30MHz—44GHz



- Complete waveguide product range up to mmW frequencies
- Ground, thinwall airborne & space qualified applications
- Fab and testing of filters & passive RF components
- On-site installation and testing
- ITAR, CMMC, ISO 9001:2015, AS9100D & NADCAP Certified



AMETEK®
COMPLIANCE TEST SOLUTIONS



- Broadband Linear Class A Amplifiers 1 Watt to 100,000 Watts CW and Pulsed, DC to 40GHz
- Laser Field Monitor Systems
- Multi-Tone Testers, Antennas, Directional Couplers
- Turn-Key Systems for **MIL-STD-461** and **IEC** Testing



- EMC Transient Generators for IEC, telecom, medical and automotive testing
- Ripple NX Ripple Generator for EV immunity testing



- TESEQ EMC test instruments, software and systems for immunity and emissions testing



- Antenna Measurement Systems
- Compact Ranges, Single and Multi-probe systems
- Radar Cross Section Components
- Anechoic Chambers, Acquisition Control Hardware

WAVECONTROL

- Test Equipment for EMF Exposure Assessment
- EMF Meter
- Field Probes
- EMF Monitoring
- Personal Safety human exposure monitors



- EMC test chambers, RF shielded enclosures & doors
- Polystyrene absorber & RF shielding
- Mode stirring systems, chamber upgrades
- D.I.Y test chambers

 **MegaPhase**
Our Customers Connect With Us™

- Phase Stable and Measurement Cables DC — 110GHz
- Flight and Space Qualified Precision Cables
- Industry Leading Groove® Technology



AR Modular RF Division

- Multi-Band Tactical Amplifiers 30MHz—2GHz, 20-200W
- Amplifier Modules for EW, Satcom, and Industrial



- Cell Phone over Satellite, Deployable 4G/5G 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

HASCALL-DENKÉ
THE WORLD'S ANTENNA SOURCE.

- Vehicular, Manpack, Base Station and Shipboard Antennas for Tactical, ECM, SATCOM, etc. (2MHz—18GHz)
- Commercial Antennas for 3G, 4G, 5G, LTE, Wi-Fi, Wi-Max, Mesh Networks, and MIMO
- Shock and Vibration Isolation
- Custom Design, Prototyping, and Manufacturing



- Rugged tactical micro computing kits
- Secure Communications Kits
- Rugged edge devices
- High Performance Cluster computing servers
- Quantis Quantum Random Number Generator Chips
- Hardened RF shielded enclosures 3kHz—300GHz

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