



Leaders in Satcom RF Testing



Military
Government
Commercial
& Science
Applications



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Leaders in Satcom RF Testing

Equipment for Military, Government, Commercial
& Science applications

Loop Test Translators



- Market-Leading
- Tx-Rx, Tx-L, L-Rx

Noise Generators

- Robustly engineered system for laboratory or on-site



Line Amplifiers and Block Converters



- Standard and custom design
- For satcom and broad bands

Gain Slope Amplifiers **NEW**

- Gain slope options
- L, S, C, X, Ku, DBS and Ka bands
- Cable loss equaliser
- Custom options



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Equipment for Military, Government, Commercial
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Signal Generators

- Dedicated functionality
- Tx, Rx and L band frequencies



Frequency Converters **NEW**

- L band input
- S, C, X, Ku, DBS, Ka & Q band output
- Weatherproof enclosure
- High stability internal OCXO
- Good phase noise
- Various mounting options
- Custom options available



Divider Trays **NEW**

- L, S, C, X, Ku, DBS and Ka bands
- 8 way to 32 way
- 19" rack mount
- Wide choice of connectors
- High isolation input and output options



Leaders in Satcom RF Testing

Specialist test solutions for bands
L, S, C, X, Ku, DBS, Ka and Q

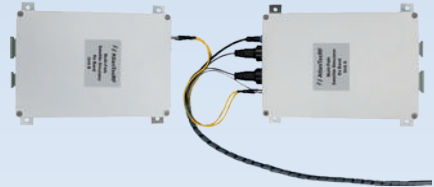
Satellite Simulator System

- Cableless RF test solution
- Ka band (Ku & DBS available)
- Totally portable
- Battery powered



Multi-Path Satellite Simulator System **NEW**

- Simultaneously tests two satellite terminals
- Models for X, Ku, DBS, Ka and Q bands
- Linear and circular polarisation options
- Fixed installation or portable
- Ethernet and local controls
- 3 part, base unit and terminals
- 2 part option – ethernet controlled



SNG Satellite Simulator System

- Tests SNG systems off-satellite
- Covers all Ku band SNG frequencies
- Depot based or portable
- Easy and quick to operate
- Ethernet and local controls
- Other satellite bands available



Leaders in Satcom RF Testing

Specialist test solutions for bands
L, S, C, X, Ku, DBS, Ka and Q

Ruggedised Satellite Simulator System **NEW**

- Off-satellite system test
- Models for X, Ku, DBS, Ka and Q bands
- Transportable and weatherproof
- Ethernet and local controls
- Fully turnkey



Noise Injection Test Translators

- Ku, DBS, Ka and Q band
- Provides loop back translation Tx to L band
- Variable L band noise injection
- Local and remote, ethernet control



Quality Monitoring Translators

- Innovative standard and custom designs
- For continuous or occasional testing



Wide choice of housing styles and options

Equipment can be easily customised

19" Rack Mount

- Available in 1U, 2U and 3U options for system testing



Bench Instrument

- Easily portable for production testing



Battery Powered

- Portable for site work
- 24 hour operation - rechargeable



Plug-in 6U Module

- Available for all bands
- Simulates satellite link
- Remote, ethernet control
- Designed for high density rack mounting



Wide choice of housing styles and options

Weatherproof ODU

- Remotely controllable
- For antenna and tower mounting



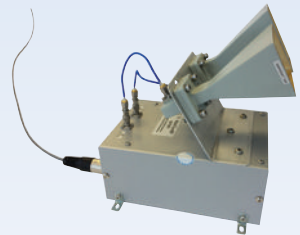
Ruggedised Portable

- Transportable and weatherproofed
- For antenna site and field operations



Satellite Simulator Payloads **NEW**

- Designed for Drones/UAVs and High Altitude Platforms
- X, Ku and Ka band options
- Weatherproof
- Light weight - 2kg
- Battery or drone powered
- Cableless RF test solution



Choice of Applications

Manual Control

- Economical solutions
- Quick and easy to operate



Ethernet Control

- Local and remote operation with GUI
- Frequency and attenuation control



Proprietary Digital Control Technology **NEW**

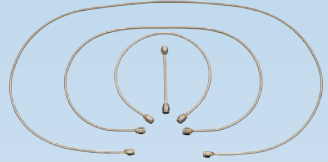
- AtlanTecRF's full range of Satcom RF Test Equipment will now be powered by LITconnect™ 1.0 – proprietary software that sits at the heart of all equipment putting the user in complete control of the equipment's performance
- Intuitive and easy to use software lets users control the internal architecture of equipment in order to set the desired equipment performance
- Users see an immediate response to commands via the equipment's front panel display
- A simplified command structure is also included to facilitate remote operation via TCP/IP

Satcom Accessories

Standard Cable Assemblies

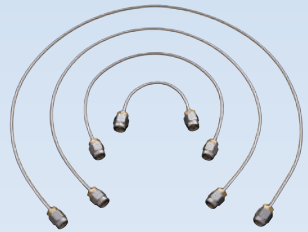
0.086 and 0.141 Reformable Aluminium

- Standard lengths – 2" up to 60"
- DC – 26.5GHz
- SMA Male Anti-Torque Connectors
- Weight saving and cost effective



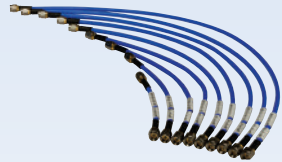
0.086 and 0.141 Reformable Copper/Tin Composite (Semi-Flexible)

- Standard lengths – 2" up to 60"
- DC – 26.5GHz
- SMA Male Anti-Torque Connectors
- Weight saving and cost effective



0.086 and 0.141 Flexible

- Standard lengths – 2" up to 60"
- DC – 26.5GHz
- SMA Male Anti-Torque Connectors
- Weight saving and cost effective



Connector Variants

All the above standard cables can be supplied with connector options including – SMA Male Straight, SMA Male R/A, SMA Female Bulkhead, Type N Male Straight, N Male R/A, N Female Bulkhead

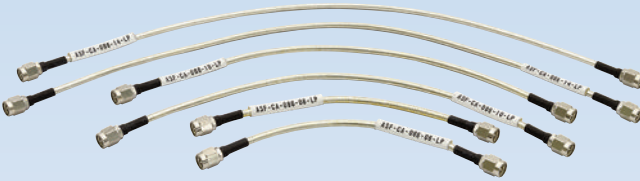


Satcom Accessories

Standard Cable Assemblies

Low PIM

- Low Intermodulation Products
- 0.086 and 0.141 Reformable Copper/Tin Composite (Semi-Flexible)
- Standard lengths – 2" up to 60"
- DC – 18GHz
- SMA Male Anti-Torque Connectors
- Weight saving and cost effective



Test Cable Assemblies

VNA Low Loss Flexible

- Excellent Phase Stability
- DC-40GHz & DC-50GHz
- Flexible and Crush Resistant
- Abrasion Resistant Jacket



Ultra Flexible Low Loss

- DC-26.5GHz & DC-18GHz
- SMA & Type N Male Connectors
- Polyurethane Jacket
- Velocity of Propagation 76%



Satcom Accessories

Ultra Flexible High Velocity Low Loss

- DC-18GHz, DC-26.5GHz & DC-40GHz/DC-50GHz
- Ultra Low Loss
- Fast Velocity Propagation 83%
- Low Dielectric Constant



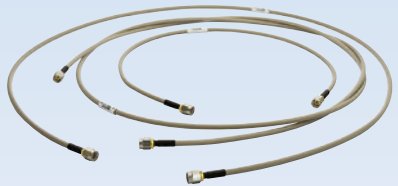
Ultra Flexible High Velocity Low Loss

- DC-26.5GHz & DC-40GHz
- Velocity of Propagation 77%
- FEP Jacket - Orange/White



Small Diameter

- DC-26.5GHz
- FEP Jacket - Grey



Custom Cable Assemblies

- Semi-flexible, reformable and flexible
- Built to specified lengths
- Wide variety of connector types
- Designed to meet exacting electrical and environmental parameters



About AtlanTecRF

AtlanTecRF is a leading global manufacturer of RF and microwave equipment, components & interconnects.

AtlanTecRF is also a leader in Satcom RF Testing. Using AtlanTecRF's equipment - Military, Government, Commercial and Science organisations can now test signals and run satellite simulations from anywhere including ground stations, control rooms, from SNG vans, on aircraft, trains, flyaways, VSATs, using drones and on High Altitude Platforms.



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Atlantic Microwave Limited
40A Springwood Drive
Braintree
Essex
CM7 2YN
+44 (0)1376 550220
+1 866 677 3181

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