



RF over fiber links are used in Mil-Aero applications including:

- Telemetry, bore sites, missile tracking and testing
- Radar and Electronic Warfare (EW) simulation
- Tethered systems and UAVs for remote sensing and monitoring
- In-theatre remote communications
- Secure building signal distribution
- GPS systems for timing reference.



**L & S-Band Links**

One *ViaLite* link covers S-Band (2200-2400 MHz) and L-Band (1435-1535 MHz).



**C-Band 3.4-7.1 GHz**

Full frequency range coverage can be 100 MHz - 7.5 GHz.



**SIGINT**

Superior spurious-free dynamic range allows small signals to be intercepted alongside large signals.

*ViaLite* has a wide range of products for Mil-Aero applications. *ViaLite's* Outdoor Enclosures (ODE) are available in Nato Green for military use.



**NEW 6 GHz Mil-Aero Link (10 MHz - 6 GHz)**

*ViaLite's* new Mil-Aero link is a P, L, S and C-Band combined application with unity gain and + 20 dB link gain options. It is ideal for Air Force Base communications and is available in single module and rack chassis configurations.

**Optical Delay Line Designs**

Ideal for Radar and EW applications. Available as single modules or in optically switched configurations. Delay times from nano seconds to microseconds.

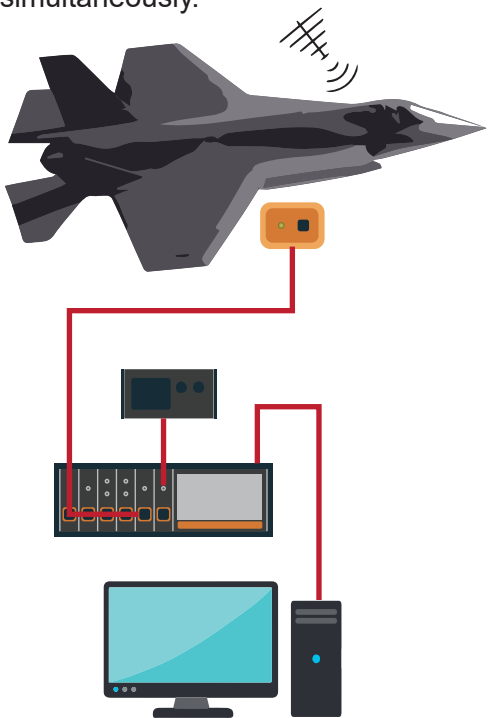


# Sentinel<sup>3</sup>

for test and measurement

The Sentinel 3 system takes a signal from a compact transmitter housed in the aircraft to the receiver module, which includes a remote system controller and is connected to a spectrum analyzer.

Single, dual and multi-link cross site cables minimize setup time, allowing one receiver to monitor up to 48 sensors sequentially, or two sensors simultaneously.



The controller also supports USB and Ethernet interfaces, allowing the system to be controlled from a PC.

With a dynamic range of 150 dB/Hz and best-in-class shielding performance >250 kv/meter, Sentinel 3 is the leading edge RF over fiber test system worldwide.

## Test applications include:

- HIRF for EM susceptibility and immunity
- Directed weapons
- Military and commercial aircraft EMC
- EMP and HEMP
- Simulated lightning.



The 3U chassis is available in desktop and rack-mount format and accepts up to six single or dual receiver modules. Power and control distribution takes place via the chassis backplane. The unit also integrates battery charging.



The compact remote transmitter is available with either one or eight inputs. It is double-screened for maximum shielding effectiveness and can be remotely controlled.