L3Harris has incorporated ultraviolet (UV) stimulation into the AN/PLM-4 RSS. Multiple aircraft sensors can be tested using a single, portable, battery-powered signal source. The radio frequency (RF) electro-optical (EO) test set has all the advanced features of the AN/PLM-4 along with programmable UV missile profiles. The AN/PLM-4 radar emitter signal simulator software includes a software application that allows the user to develop missile profiles that simulate operational missiles’ UV profiles.

In addition to UV missile profiles, the EO profile application allows the operator to create hostile fire signatures and maintenance test UV signatures. The application program allows the operator to create combined RF and EO engagements for system-level tests on the ground at austere operating locations without the need for RF antenna couplers. The effective optical beamwidth of the UV source allows noncritical pointing of the test set. The single AN/PLM-4 test set for RF and EO testing significantly reduces the logistics footprint for the warfighting technician.

The L3Harris AN/PLM-4 RSS with MWS combines the trusted functionality of our test capabilities with the next step in the evolution of advanced flight-line test sets.

Reduces Your Support Equipment Footprint

- Combines the AN/PLM-4 electronic warfare test set with missile warning test set
- Adds the capability to test UV missile warning systems
- Provides the maintenance technician a single advanced test set for testing electronic warfare radar warning receivers and missile warning systems in austere operational environments
- Integrates an advanced UV emitter with programmable missile profiles into the AN/PLM-4
FEATURES

- Tests existing deployed RF electronic warfare receivers and missile warning systems
- RF frequency range: 500 MHz - 18 GHz, optional 50 MHz to 500 MHz, 26 GHz to 40 GHz, and W-band
- UV wavelength: Solar blind
- Programmable UV intensity
- Wide 120-degree output view angle
- The distance-to-sensor test range varies depending on the specific UV MWS under test but ranges up to 100 feet are possible during operational ground test
- Weight: 20 pounds. (9.07 kg)