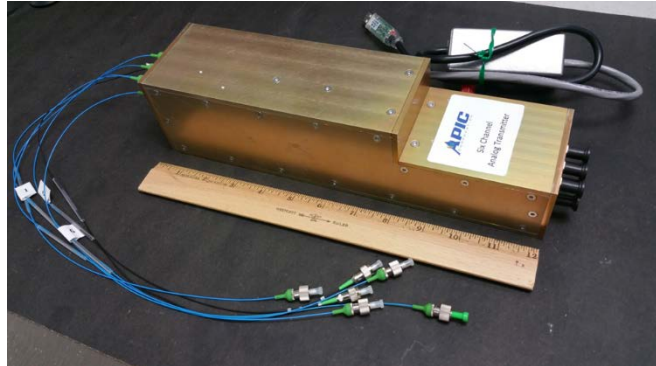**APIC Delivers Advanced High Fidelity Fiber Optic Technology**

27 Oct 2017 Los Angeles - APIC Corporation completes the integration, test and delivery of a custom designed 6-wavelength analog electro-optic transmitter and receiver for a US DoD application. The transmitter receiver pair is intended for the research and testing of employing analog photonic links to connect shipboard platform external sensors with inboard receivers and processors. The transmitter lasers are tuned to operate at six different discrete wavelengths aligned with the ITU grid which enables them to be combined/multiplexed together onto a single fiber. Each of the 6 wavelengths can carry the entire band of radio signals from 50 MHz to 20 GHz. Using fiber, which can carry both analog and digital signals simultaneously in a single strand reduces the risk, complexity and cost of making cable connections from external to internal spaces on shipboard platforms. APIC's advanced RFoF technology provides extremely high-fidelity low-loss signal transmission by virtue of their high-power, ultra low-noise lasers (RIN < -167 dB) and highly linear and highly responsive photo detectors. APIC met the challenge of integrating 6 sets of lasers, external modulators, low noise amplifiers, with control electronics and power conditioners into the transmitter housing that's half as small as a shoe box. Even smaller, the 6 wavelength optical receiver is about the size of a small text book.

APIC Corporation's custom designed 6-Channel 20 GHz Analog Transmitter

APIC Corporation's custom designed 6-Channel 20 GHz Analog Receiver

APIC Corporation is a small business based in Culver City, CA which develops advanced, rugged prototypes for the military as well as high performance electro-optic products for commercial telecommunications and other distributed antenna systems applications. For more information on APIC's technology go to www.apichip.com or contact sales@apichip.com.