



FEI-Elcom Tech

CAPABILITY STATEMENT

FEI-Elcom Tech builds High Performance Ultra-wideband Electronic Warfare Solutions :

- Electronic Attack (EA), Electronic Countermeasures (ECM), Electronic Counter Counter Measures (ECCM)
- Combat Electromagnetic Environment Simulator (CEESIM) for F35, F22, F18, F16 and B52
- EW and Radar System Calibration and Test
- Deployed Built in Test & System Calibration
- Advanced Electromagnetic Spectrum Analysis
- Receivers for SIGINT, COMINT, ELINT

EW MODULES :

- Synthesizers - Ultra low phase noise, Ultra fast switching phase coherent and phase continuous
- RF Front Ends- Ultra low phase noise, 2-40GHz Ultra Wideband, Very large IBW – 1GHz
- Up/Down Converters, Ultra low phase noise, 2-40GHz Ultra Wideband, Very large IBW – 1GHz
- Receivers, Lowest SFDR for any commercially available ADCs, Multiple channels

CORE COMPETENCIES

Engineering excellence in RF hardware design, digital design, embedded software, PCB design, mechanical design, schematic layout, and systems software including graphical user interfaces. The company has experts in combining MIC, MMIC, Hybrid Thin, and Thick Film technologies all packaged in a single unit. With the aid of the latest CAD tools, simulation software, test equipment and most importantly, engineering initiative,

DIFFERENTIATORS

FEI-Elcom Tech delivers the best performing EW RF modules available. Our key product differentiators are:

- Ultra low phase noise
- Ultra fast phase coherent switching synthesizers
- Ultra fast phase continuous switching synthesizers
- 0.5 - 67 GHz Ultra Wideband Frequency options
- Very large IBW up to 1GHz options
- Lowest SFDR for any commercially available RX'r
- COTS and custom products in VPX and VME options
- DOD MOSA and SOSA aligned options

COMPANY SNAPSHOT

CAGE: 1UWV0

UEI: RDXKF1E5XJE3

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Soci-Economic : Small Business and Small Traditional Defense Contractor

PAST PERFORMANCE

FEI-Elcom Tech signal generation and conversion products are deployed around the world in airborne, seaborne and rugged terrestrial environments. In flight synthesizer, converter and receiver installations serve UAV, rotary wing and fixed wing missions in the United States, and abroad.

They are deployed in seaborne combat control centers, EW Automatic Test Equipment (ATE) and C³ISR systems by the US and foreign navies. Rugged terrestrial environments include all weather flight line EW ATE systems, arctic based SATCOM and ELINT ground stations as well as desert unmanned COMINT listening posts.

Customers include US DoD, and primes including BAE, Northrop Grumman, Lockheed Martin, Boeing, Agilent Technologies, L3 Communications, General Dynamics, NAVAIR, Rockwell Collins, Raytheon, and Comtech EF Data.

FEI-Elcom Tech has delivered 1000's of EW solutions which perform beyond the reach of our competitors. Our ability to meet or exceed the most challenging customer requirements is the reason why we are the "go-to" company when defense and communication companies require exceptional designs for tough requirements.

PRIMARY NAICS & PSC CODES

334511 - Warfare countermeasures equipment manufacturing

334515 - Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals

541715 Electronic research and development laboratories or services (except nanotechnology research and development)

5963 – Electronic Modules