

ELECTRONIC PROVING GROUND (EPG) FORT HUACHUCA, AZ

Mission: The U.S. Army Electronic Proving Ground executes premier C5ISR/EW/GPS/APNT developmental testing in direct support of Army Transformation & Training Command, Program Acquisition Executives, DoW, and Industry partners to ensure our Warfighters are enabled to dominate the future battlefield.



CORE COMPETENCIES

- Communications and Networks
- Mission Command, EIS, and Software Systems
- ISR, EW, APNT Systems, Sensors, and Threats
- Electromagnetic Interference (EMI)
- Electromagnetic Compatibility (EMC)
- Antenna Performance and Characterization
- Unintended Emanations and TEMPEST
- Data Collection, Processing, and Analysis
- Test Instrumentation
- Develop Software Test Instrumentation
- Artificial Intelligence / Machine Learning



MISSION COMMAND AND NETWORK TEST DIRECTORATE

Manage and conduct developmental testing and operational test support for:

- Tactical C4 Systems
- Network Systems
- Mission Command and Software systems

Perform comprehensive data processing and analysis capability to support Test & Evaluation (T&E) projects/events across USAEPG and the ATEC Enterprise

TEST RESOURCES AND LABORATORIES DIRECTORATE

Manage and conduct developmental testing and operational test support for:

- E3, EMI, EMC, Open Air
- Electromagnetic Susceptibility
- TEMPEST, Antenna
- Environmental and Climatic
- GPS, Beacon, Cyber security, ISR, EW

Test project management, overseeing project funds, schedules, test resources, and reporting results of technical performance

BACKGROUND

- USAEPG is 1 of 8 Army and 1 of 22 DoW Major Range and Test Facility Bases (MRTFBs)
- USAEPG Assets:
 - 1 Military, 88 Civilians
 - Antenna Test Facility
 - Special-to-DoW test assets
 - Blacktail E3
 - TEMPEST testing and technical consulting
 - Interagency Telephone Lab
 - GPS Dynamic Array
 - COSPAS-SARSAT Lab
- Multi-Domain Operational Range
- Full meteorological and geodetic survey support
- Year-round testing with mountain woodland, high desert and arid environments
- Controlled spectrum supported by Arizona State Law (Ref. SB 1387)

RANGE SPACE

Acres for maneuver
1.6 million

Restricted air space
970 sq miles

TEST ENVIRONMENT

Elevation
5,000 - 8,000 ft.



Optimal Testing Avg.
360 days

Avg. Low
↓ 10°C

Avg. High
↑ 23°C



Rainfall Avg.
11"

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U.S. ARMY TEST AND EVALUATION COMMAND