

Portable RF monitoring system that provides real-time pass/fail verification of man-portable ECM systems. Confirms whether your jammer is actively transmitting across all programmed frequency bands — per band, in real time. Purpose-built for military EOD, public safety bomb squads, and tactical teams.

HOW IT WORKS

1. Power on and select ECM profile (pre-loaded for your platform)
2. Capture 10-second ambient baseline with ECM OFF
3. Power on ECM — display and LEDs show PASS/FAIL per band
4. Continuous monitoring, full-spectrum refresh every second

KEY SPECIFICATIONS

Frequency Coverage	1 MHz – 6 GHz
Sweep Rate	Full spectrum in < 1 second
Monitored Bands	Up to 12 per profile
Detection Method	Energy vs. calibrated baseline
Display	7" touchscreen + LED panel
Battery Life	8–10 hrs (2 batteries included)
Weight	< 12 lbs complete
Setup Time	< 2 minutes
Connectivity	Standalone — no network

DEFAULT BAND COVERAGE

VHF-Low	30–88 MHz	Cellular High	1.7–2.7 GHz
VHF-High	88–300 MHz	ISM 433	430–440 MHz
UHF	300 MHz–1 GHz	ISM 915	902–928 MHz
L-Band	1–2 GHz	ISM 2.4 GHz	2.4–2.5 GHz
S-Band	2–4 GHz	ISM 5.8 GHz	5.725–5.875 GHz
Cellular Low	700–900 MHz	GPS L1	1.570–1.580 GHz

WHAT THIS IS — AND ISN'T

- ✓ Real-time go/no-go jammer verification tool
- ✓ Field-ready, battery-powered, any trained operator
- ✗ Not a calibrated spectrum analyzer
- ✗ Receive-only — does not transmit or jam

WHAT'S INCLUDED

- Main unit (receiver, processor, display, LED panel) in ruggedized hard case
- Wideband discone antenna (UHF–microwave)
- Telescoping VHF whip antenna
- Antenna cable set with adapters
- Rechargeable battery packs (x2)
- USB-C charging cables (x2)
- Pre-loaded ECM profile drive
- Field Operator Manual (color, spiral-bound)
- Laminated Quick Reference Cards (x2)

SOFTWARE FEATURES

ECM Profile System

Pre-configured for common platforms. User-editable. Load via USB.

Baseline Calibration

Auto noise floor capture. Compensates for local RF environment.

Dashboard View

Per-band power bars, PASS/FAIL indicators, overall status.

Spectrum Waterfall

Full-spectrum waterfall for advanced analysis.

Data Logging

Timestamped CSV export via USB for after-action reporting.

MINIMUM STANDOFF

ECM Power	Min. Distance
10W	2 m (7 ft)
25W	3 m (10 ft)
50W	5 m (16 ft)
100W	8 m (26 ft)

PRICING

IE-ECMFC-1 Complete Kit	\$9,999	Extended Antenna Kit	\$585
Spare Battery Pack	\$125	On-Site Training (per day)	\$1,950
Custom ECM Profile	\$325	Lead Time: 8–10 weeks from order	

GSA Contract 47QRAA24D0055 | SIN 333318TDTM | Quantity discounts apply