

SeeSignal

AUGMENTED REALITY SHOWS RF SPECTRUM AS HOLOGRAMS

Novel app allows TSCM and non-technical stakeholders to “see” invisible radio and EMF. Visualization helps users form more accurate models of spectrum propagation that improve security assessments and build confidence in critical assessments.



REAL-TIME DATA

Shows all signals during collection



MULTI-DOMAIN

Integrates multiple sensors & SDR's



NO CLOUD

Works offline, on-prem, in field



FULL MOBILITY

Supports iOS, Android, and AR headsets

EXPAND TSCM USER BASE

Visual communication dramatically lowers the cognitive load, and increases the impact of collaboration on training and operations.

ACCELERATE ANALYSIS

- Direction-find transmitters and networks
- Deploy rapidly with minimal training
- Discover hidden patterns on-the-fly
- Share detailed context with others
- Sweep spaces quickly



SeeSignal - Augmented Reality Signal Visualization

Contact Info

Distributed by:



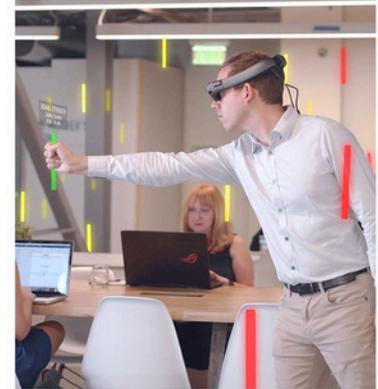
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Capabilities (TRL 6)

- Novel 3D holographic display of invisible wireless signals
- Direction-finds and maps WiFi, Bluetooth, Zigbee in real-time
- Fully mobile, no cloud required
- Minimal to zero training needed
- Integrates w/ SDR (software defined radios) for broader spectrum analysis and signal detection
- Compatible w/ HoloLens & other AR headsets



Description

- First-of-its-kind tool replaces traditional spectrum analyzer with augmented reality heads-up display
- Collects and displays live wireless signals to discover and navigate users to signal sources
- Makes SIGINT into a multi-user visual experience
- Addresses new attack vectors from emergence of miniature wireless IoT and consumer devices
- Next battlefield will be electromagnetic spectrum

Benefits

- Lowers cognitive load
- Enhances spectrum warfare
- Speeds signal analysis
- Reduces training burden
- Monitors multiple frequency bands simultaneously
- Order-of-magnitude improvement in speed and accuracy for EW/TSCM signal discovery

