

Communications Through Jamming— CommThru

The CommThru Solution

When US military vehicles employ electronic countermeasures, their own vehicular radios are often affected. Radio communication can be hindered or blocked from other radios both inside and outside the countermeasure cloud. **EWA GSI, in partnership with General Dynamics ATP, has the solution.**

CommThru is an add-on component to existing communications platforms to enable communication in a jammed environment. **CommThru** systems can be deployed in line with existing communications gear. No modification to existing systems is required.

Successful Test Results

CommThru has been tested successfully in EWA GSI's lab, in an anechoic chamber, and at the test ranges at Quantico and Yuma Proving Grounds. Tested primarily with SINCGARS radios, **CommThru** has demonstrated compatibility in single frequency mode, frequency hopping mode, plain text and cipher text modes, covering the full SINCGARS bandwidth. With a high-power ground ECM system energized, there was no discernable effect on CommThru's communication distance or voice quality.

CommThru Specifications

- Easily configurable to any communications platform
- Supports SINCGARS single frequency, frequency hopping modes, plain and cipher text modes
- Interoperable with SINCGARS over the full bandwidth of 30 MHz to 88 MHz
- Up to 5 kilometers of clear communications
- System dimensions: 8.7" by 5.7" x 2.2"
- DC power: 12VDC at 5.4 amps
- RF Power Output: 5W
- Weight: 3.9 lbs

