

Key advantages at a glance

- Reactive Jamming Technology
- >5000Watt ERP
- 5.8 mio threat signal generation per ms
- Modular Design (Frequency Band)
- Easy to handle
- 10 year part availability



Convoy Jamming System (CJS)

Vehicle integrated Convoy Jamming System based on Reactive Jamming Technology for VIP protection from Radio Controlled Improvised Explosive Device (RCIED).

The solution for efficient radio disruption

COMLAB leads the market in radio frequency technology applied for more than thirty-five years. Our involvement includes design, development, production and integration of turnkey high-frequency radio systems. Our considerable expertise and many years of experience mean that we are able to support our customers in discovering solutions for all needs.

USAGE

COMLAB presents the state-of-the-art Convoy Jamming system (CJS) to prevent VIPs from Radio Controlled Improvised Explosive Devices (RCIEDs) along the road.

The Reactive Jamming Technology guarantees highest efficiency for real-time signal detection and disruption. The smart allocated power efficiency allows up to 300m front-back radio signal disruption also in well covered urban and suburban areas. To maximize the coverage range, more than one VIP car should follow the VIP convoy.

The full digital system allows inter-car communication without reduction in disruption security.

FUNCTION

The high gain roof top antennas are used for real time reactive signal detection and generation. The car driver can control the system by a tablet PC in the cabin. As the system is powered from additional batteries permanently charged form built in alternator, up to 5000Watt jamming ERP power are generated.



SYSTEM PARTS

CJS-2975-5800-1420

20..6000MHz, 1420Watt, 28VDC

- 19" Rack, 18HU integrated in portable Rack Unit 885x1068mm

CJS-RAS-2975-5800-1420

Roof Antenna Set without enclosure

- Multiband Antenna Set high ERP
- 10..+60°C Ambient temp.

CJS-VK

Vehicle Kit including Power Supply Unit and Windows shield and field strength measurement

- DC Power Kit 28VDC, 150A
- 400Ah Battery

CJS-TPC

Tablet PC for remote control

- Touch Screen tablet PC 8.4"

CJS-RAS-CUSTOM (Option)

Roof Antenna Set in full enclosure

- Customized Antenna enclosure

CJS-CU (Option)

Inter-car Communication Kit

- Walky-talky Kit with customized Frequency

Users

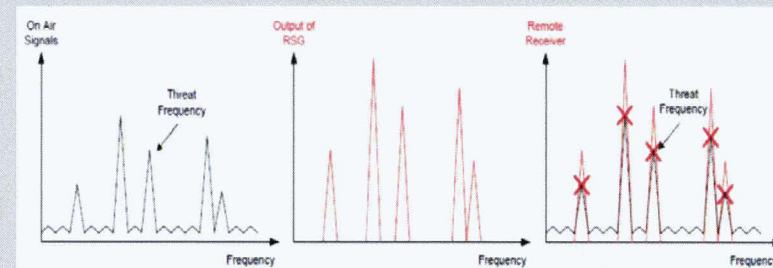
- Ministry of Interior
- Airforces
- Defence
- Governmental Agencies
- Armed Forces
- National Security Agencies
- VIPs
- Private and Others

Application

- VIP cars (SUV or equivalent)
- Tracks
- Tanks
- Boats
- Limousines
- others on request

Advantages

- Highest efficiency achieved with Reactive Signal Generator
- Smart signal power allocation
- Easy to handle (ON/OFF)
- designed for rough military environment



SERVICES

Vehicle integration

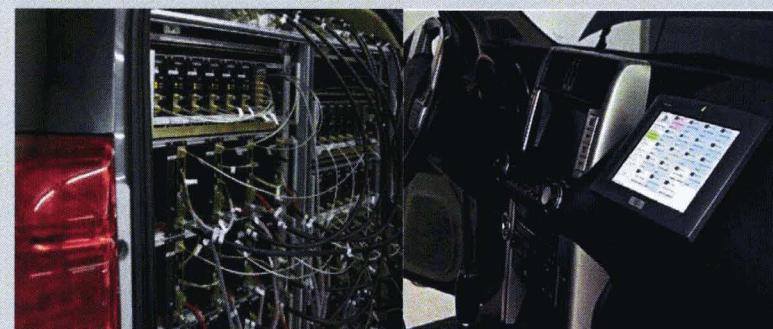
CJS on site integration, measurement and approval

- engineering, transport, mounting, radiation measurement

After Sales Support (Option)

1st and 2nd Level Support on site on request.

- Training Administrator, Observer
- On site support
- maintenance, software updates



USER GUI

CJS-TPC

Configuration and Operation Software on tablet PC

- Power ON/OFF
- Programming ASG, RSG
- Output Power PA
- Data logging
- Remote control by landline connection (Option)

Specifications

Key Advantages

- Reactive Jamming Technology
- >5000Watt ERP
- 5.8 mio threat signal generation per ms
- Modular Design (Frequency Band)
- Easy to handle

Life cycle

- 10 year part availability

| | |
|--------------|-------------------|
| Frequency | 20 .. 6000MHz |
| Signal Power | >5000 Watt ERP |
| Power Supply | 24VDC |
| Units | Programmable |
| Modules | 13 |
| RF Power | 950Watt |
| Weight | 4-500kg |
| VSWR | 10:1 |
| Environment | -10..60°C, 95% HU |
| Cooling | active FAN |