

# Convoy RCIED Jammer Based on RRSG 20MHz – 6GHz (*Responsive Reactive Signal Generator, Follower*)

## Main features of the signal generators (jammer modules)

- Frequency range: 20 MHz to 6 GHz (optional up to 40 GHz)
- 2 separate and fully independent RF input and output pairs covering 300MHz each
- Input and output frequency for each transceiver can be configured independently
- 9 jamming algorithms:
  - sweep permanent
  - barrage permanent
  - custom permanent
  - sweep semi-reactive
  - barrage semi-reactive
  - custom semi-reactive
  - reactive (follower)
  - multi-band reactive
  - multi-channel reactive
- Ultra-fast reaction time in reactive modes: 1  $\mu$ s adjustable
- Ultra-fast reaction time in semi-reactive modes: 1  $\mu$ s adjustable
- Possibility of mixing different types of jamming modes on different frequencies parallel
- Configurable input sensitivity threshold for different sub bands
- Automatic gain control (AGC) on each output channel
- Synchronisation of multiple units during jamming operation
- Input sensitivity level: -110 dBm
- Dynamic range 85dB
- Max. output power of RRSG: 16 dBm
- Fully configurable design according to client needs



20 MHz – 6 GHz, 1000W RCIED Jammer

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## Main Jamming Bands and Data

- HF/VHF/UHF
- UL/DL 700/800MHz 4G
- UL/DL 900 2G, 3G, 4G
- UL/DL 1800 2G, 3G, 4G, CDMA
- UL/DL 2100 3G
- UL/DL 2600 4G
- UL/DL 3500 5G
- GNSS
- WIFI 2400, Bluetooth
- C Band
- WIFI 5000-5900MHz
- Radar
- Satellites
- 20 MHz – 6 GHz, 1000W output power (10 RRSG and 10 Power Amplifiers)
- Integrated RF diversity switches in each PA module (polarisation and location diversity)
- 55 Kg, 482 x 534 x 690mm
- Power supply 9V – 36V (independent DC-DC regulator in each module)
- Graphical interface for GUI
- Build in BITE system
- Optimal antenna setup, if necessary 1 antenna for RX and TX up to 200W output power (switch integrated in the PA module, polarization, space diversity and RX/TX switching)
- Fits in every car brand and can be easy installed and reinstalled with magnetic mount or fixed and covered antennas
- Mil. Std. 810G

