

Convoy RCIED Jammer Based on RRSG (*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)
- Bandwidth: 300 MHz
- 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 μ s
- Ultra-fast reaction time in semi-reactive modes: 1 μ s
- Possibility of mixing different types of jamming modes on different frequencies parallel
- Configurable input sensitivity threshold for different sub bands with 200 kHz resolution
- Automatic gain control (AGC) on each output channel
- Synchronisation of multiple units during jamming operation
- Input sensitivity level: -110 dBm
- Max. output power of RRSG: 16 dBm
- Integrated RF diversity switches
- 2 communication interfaces: CAN, Ethernet
- Fully configurable design according to client needs



Standard 20 MHz – 3 GHz, 600W RCIED Jammer

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Main Jamming Frequencies and Power

- HF/VHF/UHF
 - UL 700/800MHz 4G
 - UL 900 2G, 3G, 4G
 - UL 1800 2G ,3G, 4G, CDMA
 - UL 2100 3G
 - UL 2600 4G
 - DL for all operators
 - GNSS
 - WIFI 2400, Bluetooth
 - WIFI 5000-5900MHz
 - Radar
 - Satellites
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- Power scalable according to customer needs (100W – 3KW)
 - Standard 20 MHz – 3 GHz unit 600W output power (4 RRSG and 6 Power Amplifiers)
 - Standard 20 MHz – 6 GHz unit 1200W output power (8 RRSG and 12 Power Amplifiers)
 - Standard 20 MHz – 3 GHz unit 35 Kg
 - Standard 20 MHz – 6 GHz unit 55 Kg
 - Optimal antenna setup, if necessary 1 antenna for RX and TX up to 200W output power (switch integrated in the PA module)
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- Fits in every car brand and can be easy installed and reinstalled with magnetic mount antennas

