

AARONIA AARTOS

PORTABLE JAMMER

COUNTER-MEASURE SOLUTIONS

Backpack jamming system with 120 W output power and up to 2,5 km range



Highlights:

- Up to 120 W output power
- High range of up to 2,5 km
- Covers 5 frequency bands

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MADE IN GERMANY

Highlights

- ✓ Jamming range up to 2,5 km
- ✓ 5 frequency bands
- ✓ Total output power of 120 W
- ✓ Covers most of all commercially available drone models
- ✓ Battery operating time up to 1,5 hours
- ✓ Includes directional and omnidirectional antenna
- ✓ Output power for 433 MHz, GPS (optional) and 2,4 GHz adjustable transition-free up to 50 dB
- ✓ Made in Germany

Technical Information

- ✓ Covered frequency bands:
 - 4 bands in one directional antenna
 - 2,4 GHz 20 W with directional antenna (horizontal polarization)
 - 2,4 GHz 20 W with directional antenna (vertical polarization)
 - 5,8 GHz 20 W with directional antenna (horizontal polarization)
 - GPS (optional) L1 35 W with directional antenna
 - 1 band in one omnidirectional antenna
 - 433 Mhz 25 W with omnidirectional antenna
- ✓ TOTAL OUTPUT: 120 W
- ✓ Adjustable output power for each frequency band
- ✓ 100% safe VSWR protection (Isolator) for each module
- ✓ 24 V / 20 Ah LiFePO4 battery provides 1 - 1,5 hours of nonstop operation
- ✓ Dimensions: 390 x 340 x 130 mm [H x W x D]
- ✓ Weight: 14 kg (main unit)
- ✓ Operating Temperature: -20° C to +60° C
- ✓ Included in delivery:
 - 1x portable jammer with integrated battery
 - 1x AC 110 V or DC 220 V power supply
 - 1x omnidirectional antenna for 433 MHz
 - 1x 4-band directional antenna

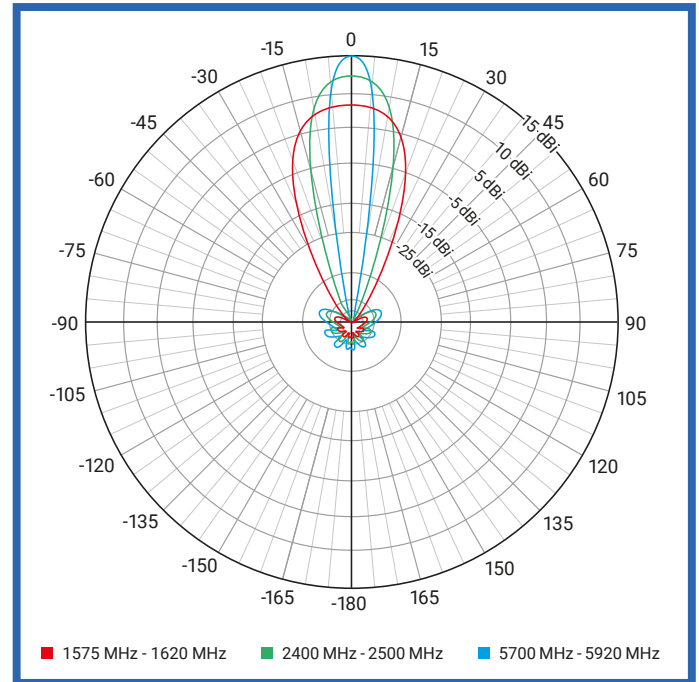


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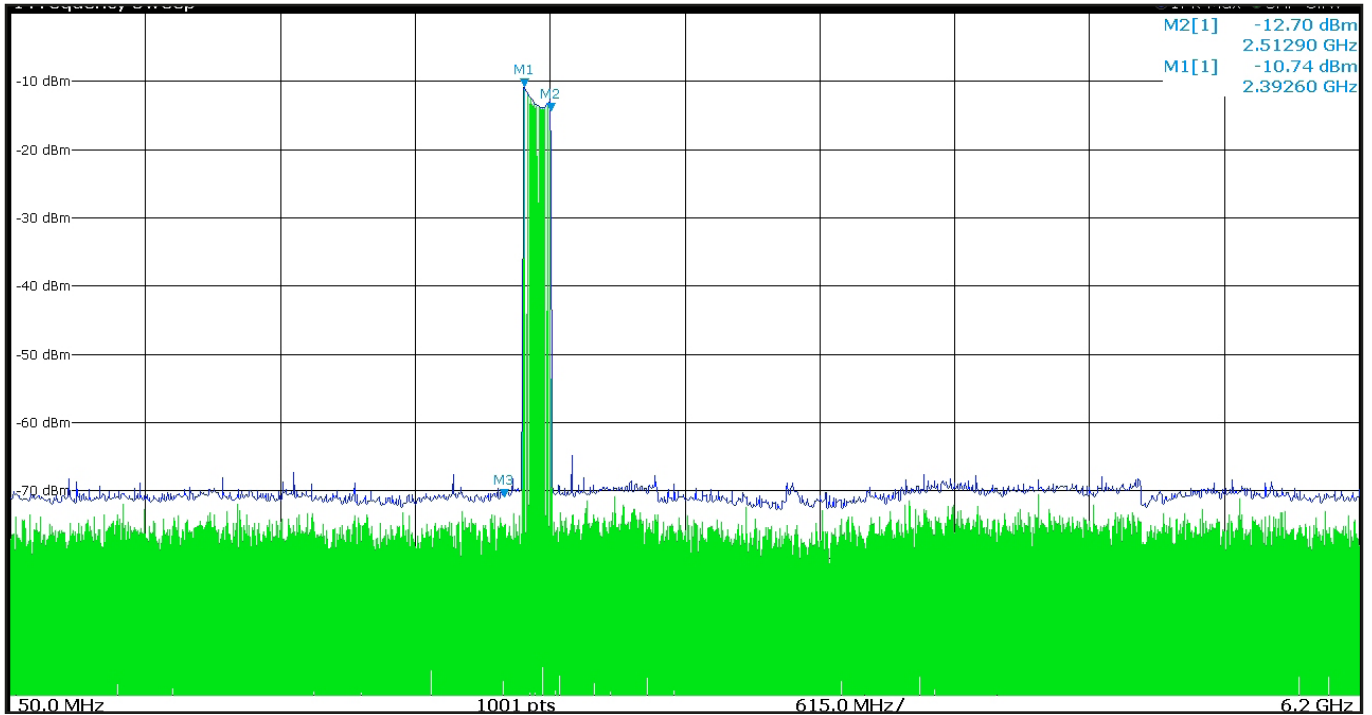
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4-in-1 Directional Antenna

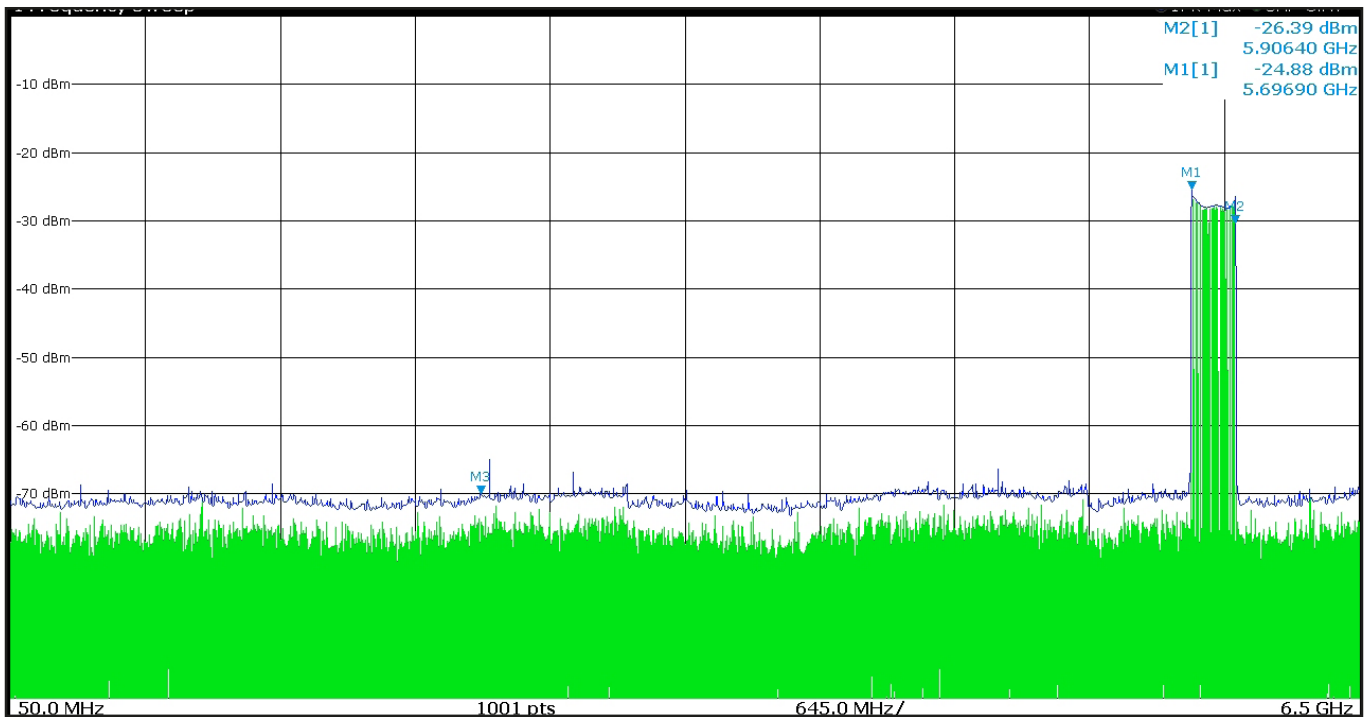


4-in-1 Directional Antenna				
Name	CH1	CH2	CH4	CH3
Frequency Range	1575 - 1620 MHz	2400 - 2500 MHz	2400 - 2500 MHz	5700 - 5920 MHz
Gain	8 dBi	12 dBi	12 dBi	15 dBi
VSWR	< 1,5			
Polarization	Vertical	Vertical	Horizontal	Vertical
Horizontal Beamwidth	65°	65°	65°	60°
Vertical Beamwidth	30°	15°	15°	7°
Front-to-Back Ratio	> 24 dB	> 25 dB	> 25 dB	> 25 dB
Input Impedance	500			
Max Input Power	50 W			
Connector	N - M			
Lightning Protection	Directly grounded			
Dimensions	255 x 255 x 45 mm			

Ultra-Sharp Signal Purity



Frequency Output 2,4 GHz



Frequency Output 5,8 GHz

AARTOS CMS Jammer Versions

Mobile Manpack Jammer



Omni- and directional antenna, covers a total of **5 bands**, **120 W** output (up to **2,5 km** range)

Automatic Corner Jammer (180°)



2 sectors with 2 antennas, covers **7 - 8 bands**, **180 W** (up to **3 km** range) or **650 W** output (up to **6 km** range)

Automatic Omni-Jammer (360°)



4 sectors with 4 antennas, covers **14 - 16 bands**, **360 W** (up to **3 km** range) or **1300 W** output (up to **8 km** range)

Jammer disclaimer

The AARTOS CMS (Countermeasure Solutions) can only be sold to entities with proper government approval for the deployment of jammers. Contact us for more information at mail@aaronia.de.

AARTOS Drone Detection Versions

AARTOS DDS X3 (Mobile)

Portable solution, omnidirectional, range: 500 m - 1 km

Designed to be used as a concealed and portable drone and jammer detection device, the setup is lightweight and offers battery life of 1,5 hours. Equally easy to operate and carry, the system is ready to use within half a minute.

AARTOS DDS X7 (Advanced)

2 - 3° accuracy, range: ~ 2 - 5 km

The highest precision in drone detection, combined with an extremely high detection range. It consists of a 16 sector IsoLOG 3D antenna array and a spectrum analyzer (V5 Command Center, V5 XFR Pro or V5 Rugged Rack). Perfect for both single-system and multi-grid system setups.

AARTOS DDS X5 (Base)

4 - 6° accuracy, range: ~ 1 - 2 km

The base system consists of one analyzer (V5 Command Center, V5 XFR Pro or V5 Rugged Rack) and one IsoLOG 3D antenna array with 8 sectors. It is a highly cost-effective solution, and can be used to cover large areas with a drone detection grid.

AARTOS DDS X9 (Ultra-Wideband)

2 - 3° accuracy, range: ~ 3 - 7 km

The X9 combines highest precision and ultra-wideband monitoring for instant, real-time detection over multiple bands (instead of one instant or multiple via hopping). The system consists of an IsoLOG 3D antenna array with 16 sectors and the UWB unit. Perfect for ultra-high-range drone detection grids.

- OVER 100 INSTALLATIONS IN 2018 -

(300+ CURRENTLY IN PREPARATION)



CUSTOMER GROUPS

- Military & Police Forces (Ground & Air)
- Convoys
- Airports
- Power plants
- VIP security services
- Border patrols
- Government buildings
(e.g. embassies, correctional facilities)
- Events
(concerts, political events, sports etc.)
- Seaports / marinas
- Private properties

AARTOS DDS REFERENCES