

Military communication

ECM applications

C<sup>3</sup>I

CIMIC

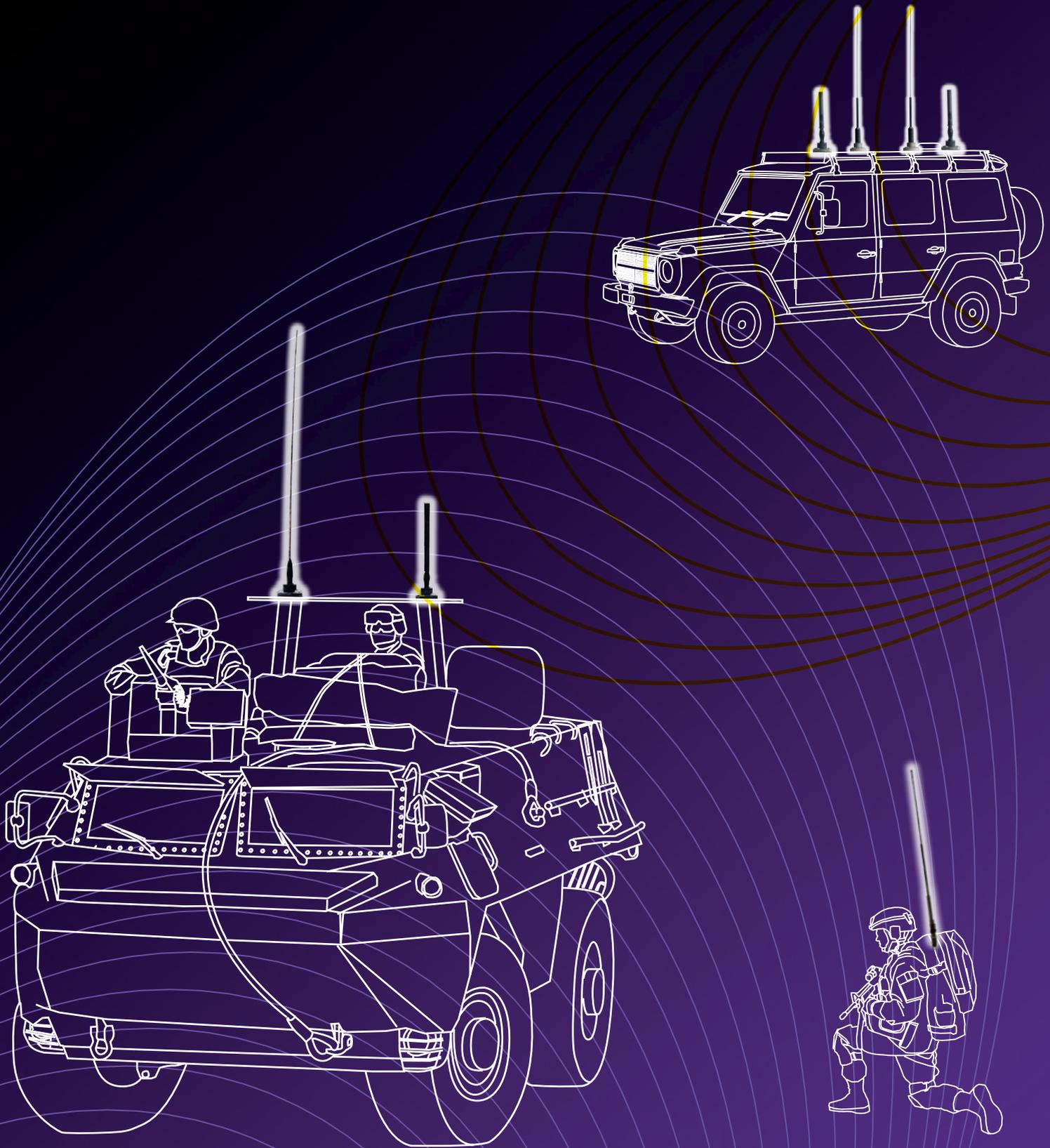
VHF UHF SHF

20–6000 MHz

# COJOT

MORE THAN ONE WAVELENGTH

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**EXPERTISE IN WIDEBAND ANTENNAS**



COJOT has more than 20 years' extensive experience in the design, development and manufacture of innovative wideband antennas, serving military and public safety markets. Based in Finland, more than 90 percent of our production is exported for use worldwide.

COJOT is known as a pioneer and leading manufacturer of mobile wideband antennas, covering the VHF, UHF and SHF bands. It is our aim to provide the highest technological excellence to protect lives and property in the most hostile environments throughout the globe.

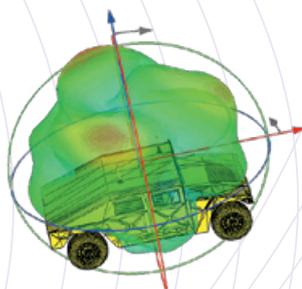
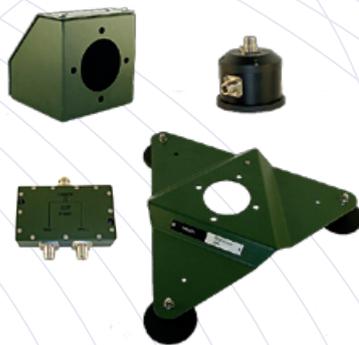
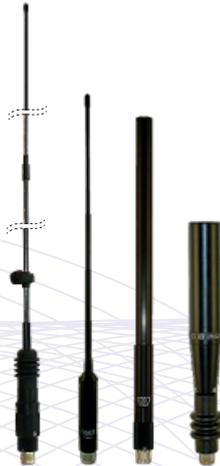
In addition to antennas for military manpack, man portable and vehicle applications, COJOT's product range covers civil-military co-operations (CIMIC) and civil authority TETRA applications.

We work in full co-operation with our customers through every step of the purchasing process to ensure that our customers' specific needs are met.

## Profound knowledge for top performance

Today's antenna development is challenging. Firstly, the RF-Systems used are setting higher requirements: transmission powers are growing while frequency bands used are expanding. On the other hand, end-users want to get rid of obtrusive high-profile antennas. That is why the antenna technology needs to be continuously improved in terms of both performance and environmental requirements.

COJOT antennas for C3I (Command, Control, Communication and Intelligence) and Electronic Countermeasure (ECM) applications are known for their reliability and durability. From the customers' perspective, the antenna's performance in the environment in which it is deployed is decisive when choosing the supplier. In addition, very short 'concept to market' and tailoring of the products are of importance. COJOT excels in all of these aspects and is therefore a sought-after partner in mobile wideband antenna solutions.



### Vehicle Antennas

Due to their ruggedized nature and wide bandwidth, COJOT vehicle antennas are wholly suited to military and Special Forces uses.

We provide vehicle antennas with NATO / US pattern compatible mountings as well as magnetic mounting solutions for temporary installations, covering a frequency range from 20–6000 MHz at power levels of up to 200W.

### Manpack / Man Portable Antennas

Our comprehensive range of lightweight, rugged, manpack and man portable antennas are perfectly suited to many applications, ranging from handheld or manpack radios to wideband jammers.

COJOT manpack antennas are designed to work perfectly with the military and Special Forces application levels of: 20–6000 MHz at power levels of up to 50W.

### Antenna Accessories

Our range of products is complemented by a wide selection of accessories, including mounting brackets, magnetic mounts, antenna extenders, filters and power dividers.

### Services

We provide EM-Simulations of antenna radiation patterns for performance analysis and efficiency optimization - custom-tailored to the specific requirements of a particular installation environment.

## Great variety of wideband antenna solutions

Our key products are centered around military communication and ECM applications. Built on our years of experience we provide a broad range of sophisticated mobile wideband antennas and accessories for the 20–6000 MHz frequency range.

COJOT has the knowledge and expertise to match the highly demanding and changing military operational requirements in the digital battlefield with a broad range of field-proven mobile military antennas.

## Assured quality

COJOT is ISO9001:2008 certified. Our technically skilled engineers, R&D laboratory, advanced simulation tools and our own test facilities, including an open-air measurement track, combined with an extended network of external test facilities ensure that every product meets the required specifications and quality.

## Finding the best antenna set-up

Customers face a challenging decision when selecting an antenna solution. On the one hand the electrical performance of the antennas is of utmost importance, but on the other hand an unobtrusive appearance or set-up is highly desired. These two are mostly contradictory requirements which are complemented by complicated weight and durability issues in e.g. portable solutions. In addition, the use of several antennas is often restricted by space limits and a multiple antenna set-up can cause interference problems.

Our technically sophisticated wideband antennas offer an excellent solution to tackle these complex issues – providing the best possible performance and ensuring highest effectiveness

in the given circumstances. When solid communication performance is crucial, COJOT has the answer.

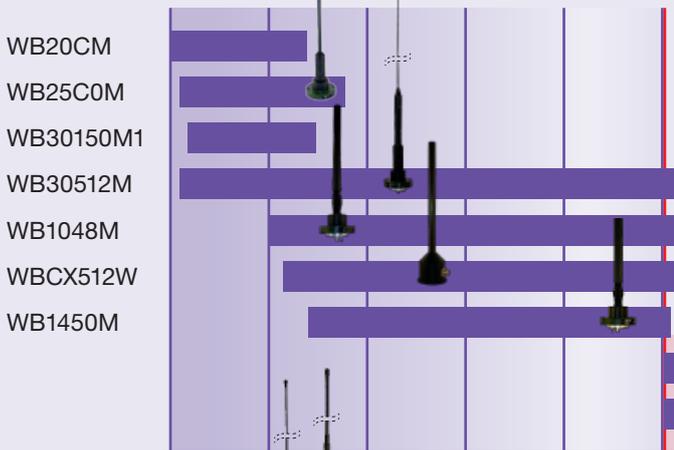
We have proven capability in delivering our products in a timely manner and typically offer a custom solution at the shortest lead-time – a prerequisite to a successful response to urgent operational requirements. COJOT's expertise and experience have made us a trusted source for supplying mobile wideband antennas. We make sure that the communication and protection requirements of tomorrow are met today for our customers' benefit.

## Want to know more?

We will be glad to discuss your special needs and find the best possible solution, just contact us.

### Abstract of COJOT wideband antennas (20–6000 MHz)

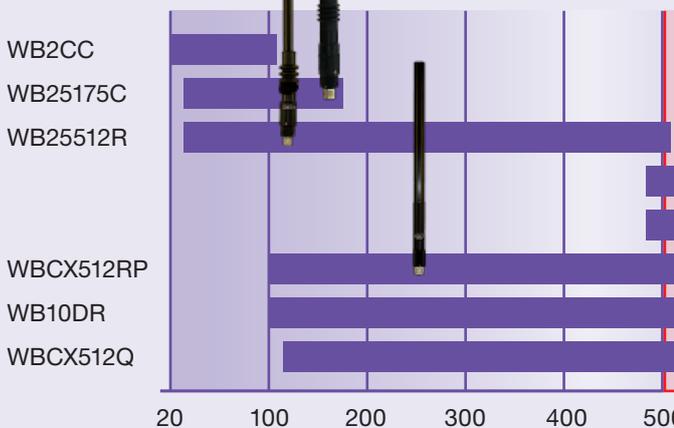
#### Vehicle 20–520 MHz



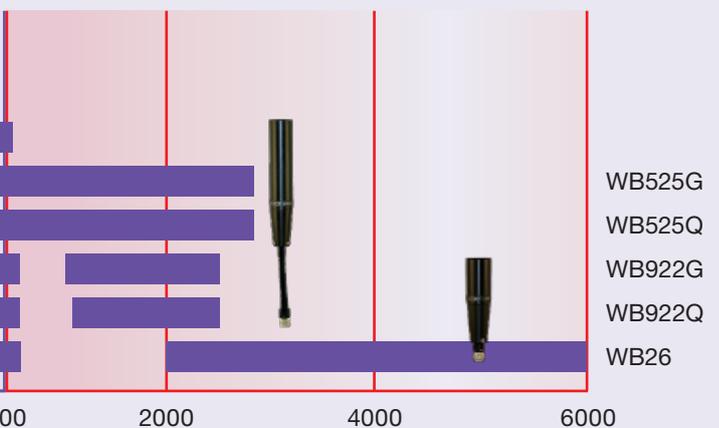
#### Vehicle 500–6000 MHz



#### Manpack 20–512 MHz



#### Manpack 480–6000 MHz



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