

# Seven Factors to Consider When Selecting a Military Antenna

Selecting a military antenna comes with many complex considerations to ensure it fits the application requirements. Here are seven key things to consider when choosing yours.



## 1. Frequency

If a wide bandwidth isn't necessary, a narrow band should be chosen, suited to the specific application the antenna is intended for.

## 2. Power Rating

Do you need a higher power TX antenna or a lower power RX antenna? What is the rating needed to ensure the power fed into the antenna is correct?

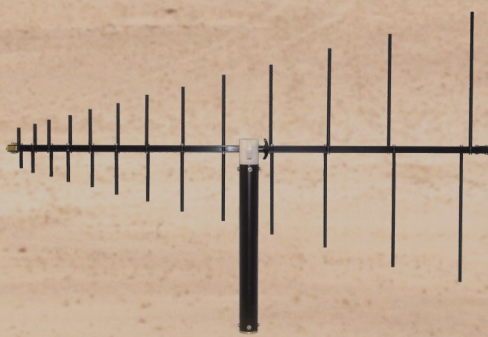


## 3. Beam Pattern

What directionality and gain are required? The antenna will be chosen by how broad the pattern needs to be and where the signal needs to be focused.

## 4. Polarisation

The polarisation of an antenna should be chosen to match the signals and antennas used in the system to prevent any loss of signal power or information.



## 5. VSWR

Antenna VSWR is a measure of how well matched the load is to the source. This determines whether any of the signal is reflected back from the antenna, creating a standing wave.

## 6. Size

The dimensions, weight and portability of the antenna are important to consider as they affect where the antenna can be used and how easily.



## 7. Environment

Consider the temperature and environmental conditions you will be using the antenna in. What IP rating do you require? Ruggedised antennas will stand up to harsh environments.

Contact us for more help choosing the right antenna.