

Ultra Wideband VHF/UHF/SHF Vehicle Antenna

WB280M

The WB280M is a rugged, high power vehicle antenna that is effectively covering the 200 – 8000 MHz frequency range. The antenna is highly suited for modern and upcoming SDRs and can be ideally used in multiple applications like mobile communication, countermeasure and monitoring.



- Ideal operation over a very wide bandwidth including WiFi 6E band
- High power rating, 200W at 200–6000 MHz and 100W at 6000– 8000 MHz with 100% duty cycle
- Easy to install to different kind of environments

Product details*	
Frequency range	200 – 8000 MHz (on a ground plane $\geq 1 \times 1 \text{ m}^2$) 500 – 8000 MHz (without a ground plane)
Polarization	Nominally vertical
Radiation pattern	Omnidirectional (typ. $\pm 2.0\text{dB}$)
Gain	Measured patterns on request
VSWR	≤ 3.0
Nominal Impedance	50 Ω
Power rating	200 – 6000 MHz 200 W (RMS) 6000 – 8000 MHz 100 W (RMS)
Standard color	Black
Radiator	Radome protected
Height	220 mm
Width	150 mm
Weight	2.3 kg
Installation*	
RF connection	Female N-type
Mounting	4 x M10 female threads in a 114.3 mm diameter circular pattern on the bottom side of the antenna
*Specific adjustments on request	
Order number	Product
WB280M	Antenna as described above