

VHF/UHF Manportable Antenna for NATO band I WB2245

The WB2245 is a high performance manportable antenna for use on manpack or handheld devices. Rugged and lightweight construction makes it well suited for modern tactical communication in the 225 – 450 MHz frequency range.

- Excellent omnidirectional performance for the 225-450 MHz band
- High power rating
- Rugged and lightweight construction with flexible whip



Product details*	
Frequency range	225 – 450 MHz
Polarization	Nominally vertical
Antenna type	Monopole (ground plane required)
Radiation pattern	Omnidirectional
Gain	(See typical gain on Page 2)
VSWR	< 3.0
Nominal Impedance	50 Ω
Power rating	50 W (RMS)
Standard color	Black
Radiator	Radome protected and steel whip
Height	330 mm
Diameter	Maximum diameter 22 mm
Weight	140 g

Installation*	
RF connection	Male N- or TNC-type connector
Mounting	Directly to a matching connector

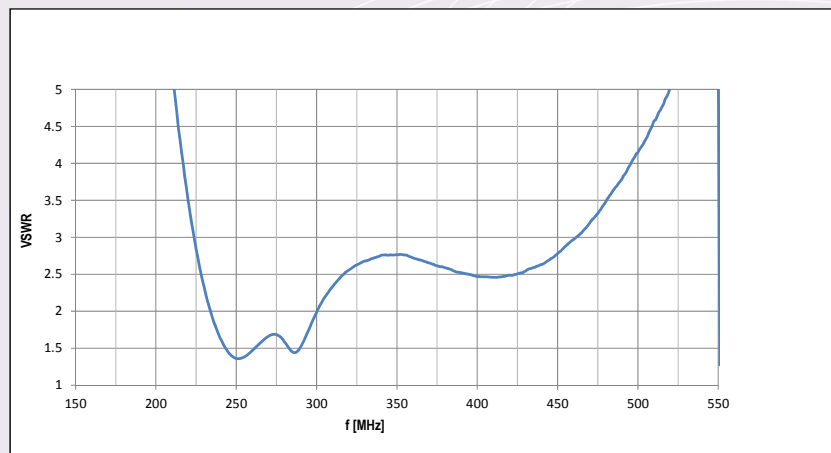
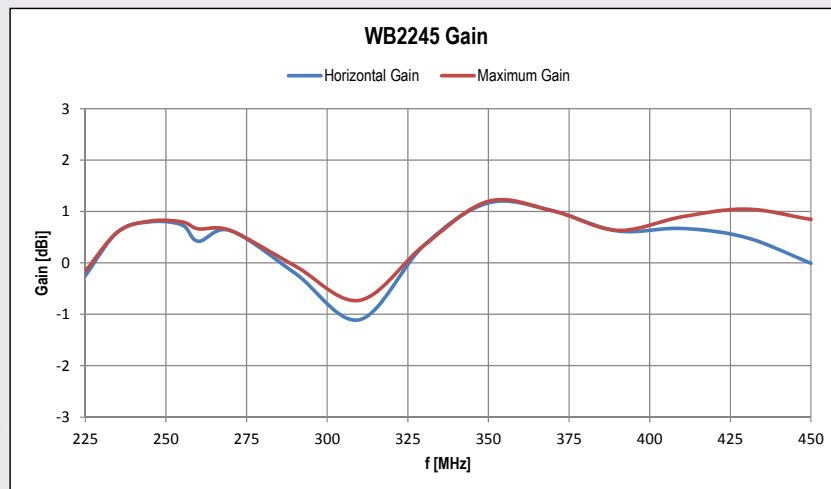
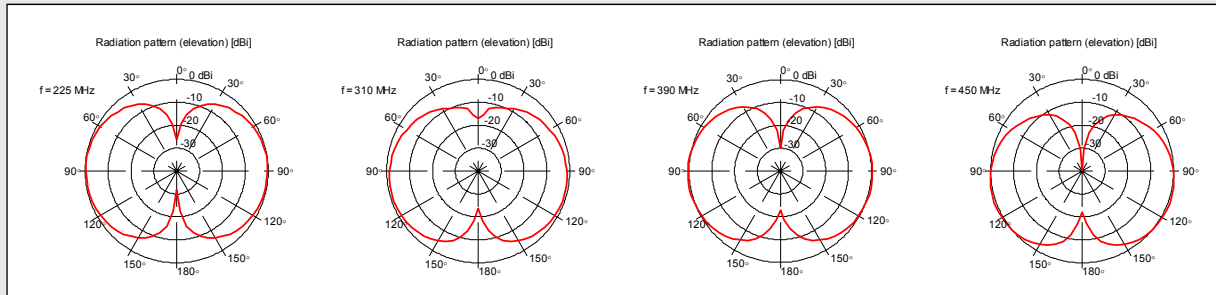
*Specific adjustments on request

Order number	Product
WB2245	Antenna as described above with a Male N-type connector
WB2245-C3	Antenna as described above with a Male TNC-type connector

Radiation performance

WB2245

Measured free space radiation patterns, gain and VSWR response with the antenna mounted on a 0.26 m x 0.16 m x 0.09 m ground plane box:



For perfect operation there should be free space around the antenna.

Environmental specifications WB2245

Environmental specifications	
Temperature range (operating)	-40 ... +71 °C
Temperature range (storage)	-40 ... +85 °C
Humidity	MIL-STD-810E Method 507.3 Procedure III (cycle with extreme at 95 % RH, +60 °C)
Blowing Rain	MIL-STD-810F, Method 506.4 Procedure I (rainfall rate 150 mm/h, wind speed 30 m/s)
Water Immersion	MIL-STD-810F, Method 512.4 Procedure I (depth 1 m)