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BPV-DB-800-1700 Dual Band UHF Vehicle Whip

This is a dual band antenna covering 800-960 MHz (instantaneous bandwidth of 160 MHz) via one input and 1700-2200 MHz (instantaneous bandwidth of 500 MHz) via another.

Power rating is 200 watts continuous at both inputs. The antenna is ground independent and each frequency band operates independently and simultaneously.

This antenna is two separate antennas collinearly configured on one mounting base in a design which is exceptionally rugged and capable of reliable operation in the most adverse of tactical environments. High impact survival is a major feature.

The antenna is mounted on a rugged base unit with heavy duty stainless steel spring. The base is fitted with mounting holes of UK/Nato 6 hole, or USA 4 hole pattern.

Specifications

Frequency range, band "a"	800 to 960 MHz
Frequency range, band "b"	1700 to 2200 MHz
Power Rating:	200 watts band "a", 200 watts band "b"
Radiation pattern:	Omnidirectional
Gain:	Minimum 3 dBi for both "a" and "b" bands
VSWR:	Better than or equal to 2.0:1 for both "a" and "b" bands
Polarisation:	Vertical
Input Impedance:	50 Ohms
Input connectors:	2 x TNC type female
Height:	425mm Overall
Mounting:	UK/Nato 6 hole, or USA 4 hole pattern
Colour:	Mil Spec painted to customer designated colour



The antenna is designed and constructed to meet the requirements of the following standards

Mil-Std-810F, Method 501.4
Mil-Std-810F, Method 502.4
Mil-Std-810F, Method 507.4
Mil-Std-810F, Method 505.4
Mil-Std-810F, Method 506.4
Mil-Std-810F, Method 500.4
Mil-Std-810F, Method 509.4
Mil-Std-810F, Method 510.4
Mil-Std-810E, Method 514.4
Mil-Std-810F, Method 514.5
Mil-Std-810F, Method 516.5
Mil-Std-810F, Method 504

Antenna Base includes mounting holes to suit
UK/Nato 6 hole or USA 4 hole pattern