

Band 3+ Antenna ANT-BAND3+

MTS-No. 65.10.0080

Application

The antenna is designed for military point-to-point radio links in band 3+. Because of the remarkable side lobe attenuation the risk of disturbance influences is reduced to a minimum. The new design covers the full band 3 and band 3+ frequency ranges. The radiator can be turned in polarization without using any tool. According to the requirements of the users different mast mountings can be provided. All parts are protected built in and waterproof finished. To ease transport and storage, the antenna radiator can be folded.



Technical data

1 RF-specifications:

1.1 Impedance	50 Ω nom.		
1.2 Frequency range	1350 MHz to 2700 MHz		
1.3 VSWR input	<1 : 2,0		
1.4 Gain	19 dBi min. 26 dBi max.		
1.5 Power handling	500 W (CW) 1000 W (peak)		
1.6 Sidelobe suppression	1350 MHz	29 dB	38°
	2025 MHz	28 dB	35°
	2700 MHz	27 dB	25°
1.7 Backlobe suppression	1350 MHz	38 dB	
	2025 MHz	40 dB	
	2700 MHz	46 dB	
1.8 Polarization	Linear, horizontal or vertical		
1.9 Technology	Parabolic dish		

2 Connectors:

2.1 Antenna	N female
2.2 Tripod socket	40 mm mast mounting
2.3 Grounding	10 mm earth screw

3 General specifications:

3.1 Operating temperature	-25 °C to +60 °C
3.2 Storage temperature	-30 °C to +70 °C

3.3 Dimensions (w x h x d)	1000 x 900 x 650 mm, 1000 x 900 x 400 mm (transportation))
3.4 Colour	RAL 6031
3.5 Weight	13,4 kg

4 Delivered parts:

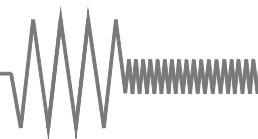
ANT-BAND3+ (without tripod)
CD-ROM with manual

5 Comments:

Warranty	12 months
RoHS compliant	No
Intervall of calibration	12 months

6 Recommended accessories:

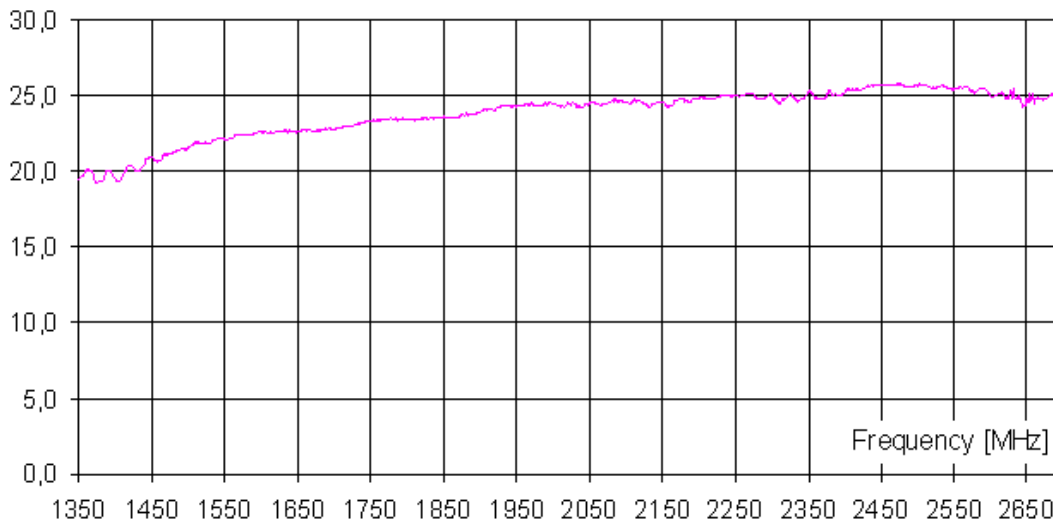
Measurement cable assemblies
Tripod
Preamplifier



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Band 3+ Antenna - Gain [dBi]



Band 3+ Antenna - VSWR

