





PAGE 1/4 **ISSUE SERIES** PART NUMBER R380901304 07-11-25A **ANTENNA SCALE 1:2** Black polycarbonate ϕ 22 cap Black polycarbonate radome DETAIL C **SCALE 2:1** Gasket \ 164 Rigid length **DETAIL D** 0.6 **SCALE 2:1** 0.5 RADIALL 287 R380901304 **RADIALL** Total length 24 / 5.9 GHz YY/WW R380901304-Laser marking 2.4 / 5.9 GHz Laser marking 104 Date Code Flexible length Black Flexible Metal Gooseneck C (18)Hex. 13 / flats Ø 14.4 Black chromium TNC male connector with fixed coupling nut **SCALE 2:1** All dimensions are in mm. Tolerances according ISO 2768 m-H



Technical Data Sheet

TNC MALE CONFORMABLE DUAL BAND DIPOLE ANTENNA, 2.4 / 5.9 GHZ

PAGE 2/4	ISSUE 07-11-25A	SERIES ANTENNA	PART NUMBER R380901304
-----------------	---------------------------	-------------------	-------------------------------

ELECTRICAL CHARACTERISTICS

GHz Frequency: 2 4-2 5 4.9-5.9 GHz

Nominal Impedance: 50 Ω VSWR: 2.5:1 Тур.

Gain

2.4-2.5 GHz 1.5 dBi typ. 4.9-5.9 GHz 4.5 dBi typ.

Radiation Pattern

Omni-directional Horizontal Plane: Vertical Plane: See patterns

LINEAR VERTICAL Polarization:

20 W CW Power rating:

TNC plug (Male) Connector type: Fixed

coupling nut

MECHANICAL CHARACTERISTICS

Antenna Color : **BLACK MATTE** Antenna Radome Material : PC

TNC connector tightening 3.4 N.m max

torque for locking:

Weight: 125 g max

287

mm

Overall length:

Antenna Diameter : 22 mm

Articulation (Gooseneck): +/- 90° - 100 cycles

ENVIRONMENTAL CHARACTERISTICS

Operating temperature : -40/+71 ° C

° C Storage temperature : -55/+85

Immersion (mated to radio) 1m, for 1h

26 drops / 1Kg Transit drops

MIL-STD-810H Compliant





TNC MALE CONFORMABLE DUAL BAND DIPOLE ANTENNA, 2.4 / 5.9 GHZ



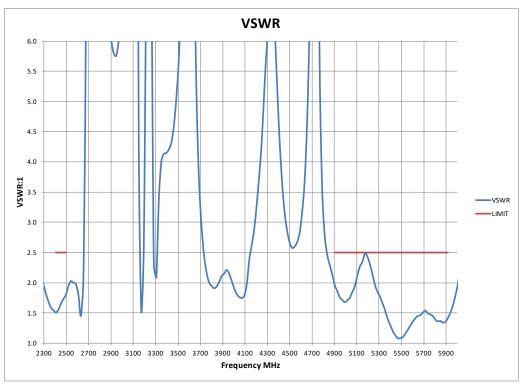


Figure 1: VSWR

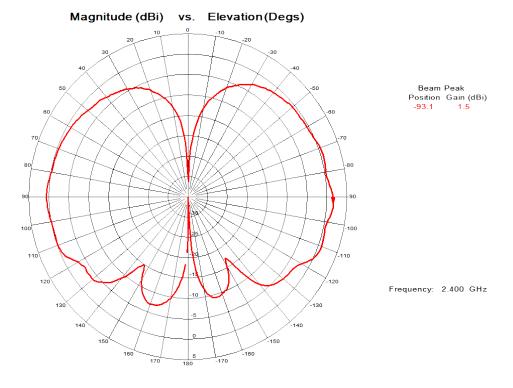


Figure 2: Vertical Radiation Pattern @ 2400 MHz



Technical Data Sheet

TNC MALE CONFORMABLE DUAL BAND DIPOLE ANTENNA, 2.4 / 5.9 GHZ

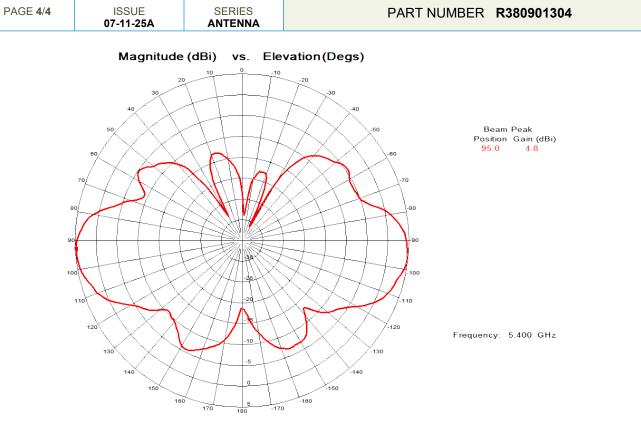


Figure 3: Vertical Radiation Pattern @ 5400 MHz