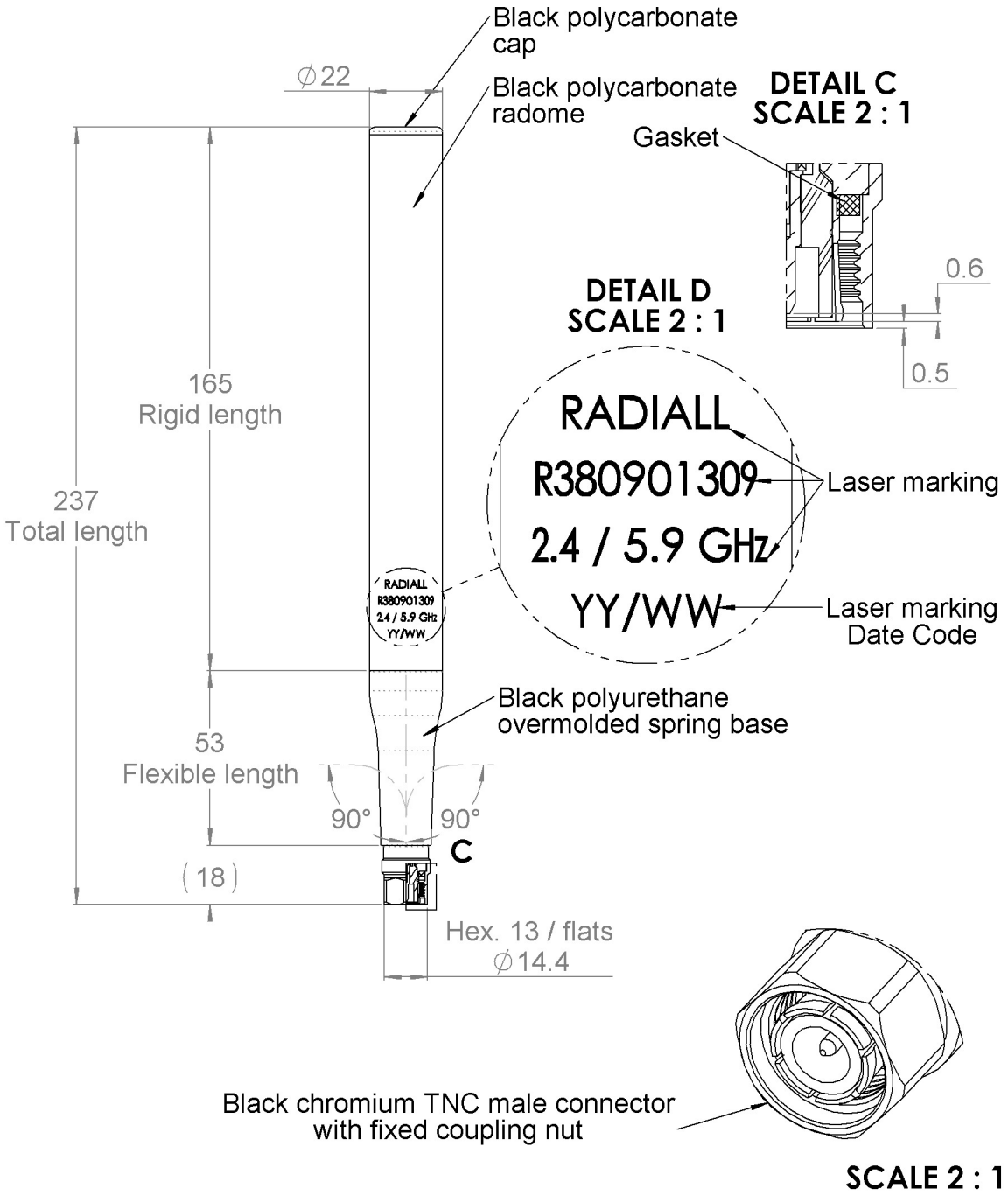
PAGE 1/4	ISSUE 07-11-25A	SERIES ANTENNA	PART NUMBER **R380901309**

SCALE 1 : 2



All dimensions are in mm. Tolerances according ISO 2768 m-H

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ELECTRICAL CHARACTERISTICS

Frequencies :		**2.4-2.5** **4.9-5.9**	GHz GHz
Nominal Impedance :		**50**	Ω
VSWR :		**2.5:1**	Typ.
Gain :			
	2.4-2.5 GHz	**1.5**	dBi typ.
	4.9-5.9 GHz	**4.5**	dBi typ.
Radiation Pattern			
	Horizontal Plane :	**Omni-directional**	
	Vertical Plane :	**See patterns**	
Polarization :		**LINEAR VERTICAL**	
Power rating :		**20**	W CW
Connector type :		**TNC plug (Male)**	Fixed coupling nut

MECHANICAL CHARACTERISTICS

Antenna Color :	**BLACK MATTE**	
Antenna Radome Material :	**PC**	
TNC connector tightening torque for locking:	**3.4**	N.m max
Weight :	**125**	g max
Overall length :	**237**	mm
Antenna Diameter :	**22**	mm
Antenna flexibility *:	**+/- 90°**	

* With good damping thanks to the elastomer overmolding.

ENVIRONMENTAL CHARACTERISTICS

Operating temperature :	**-40/+71**	° C
Storage temperature :	**-55/+85**	° C
Immersion (mated to radio)	**1m, for 1h**	
Transit drops :	**26 drops / 1Kg**	

MIL-STD-810H Compliant

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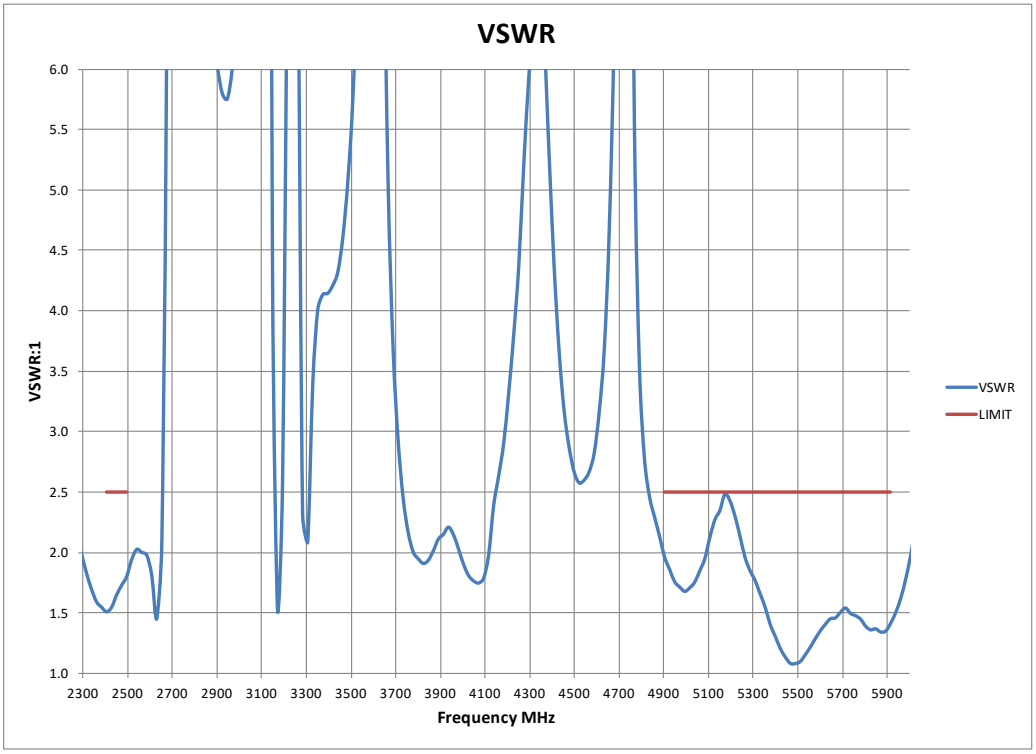

Figure 1: VSWR

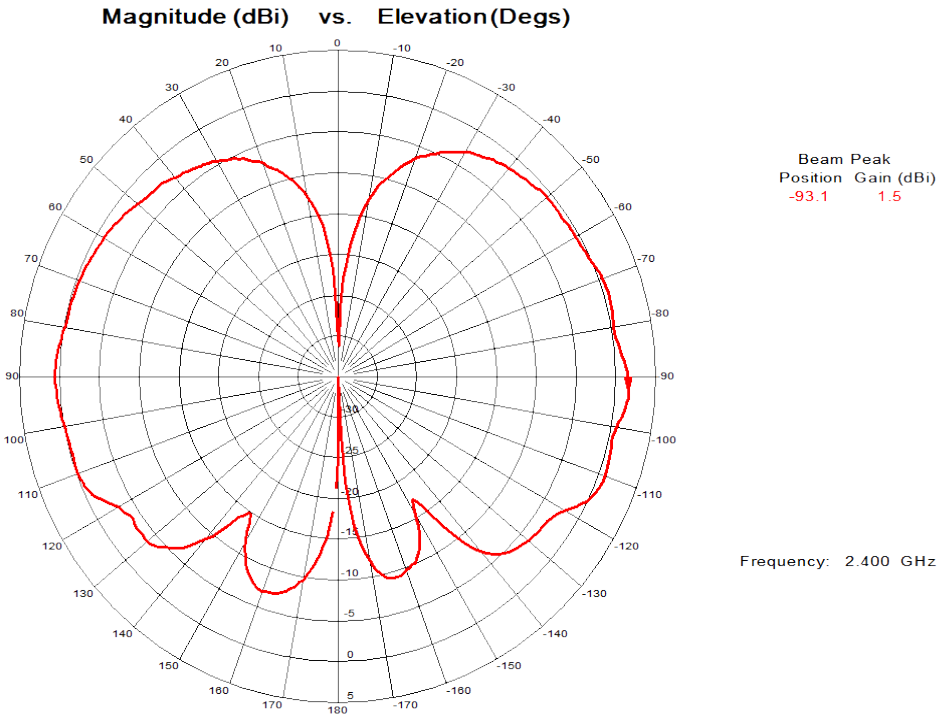

Figure 2: Vertical Radiation Pattern @ 2400 MHz

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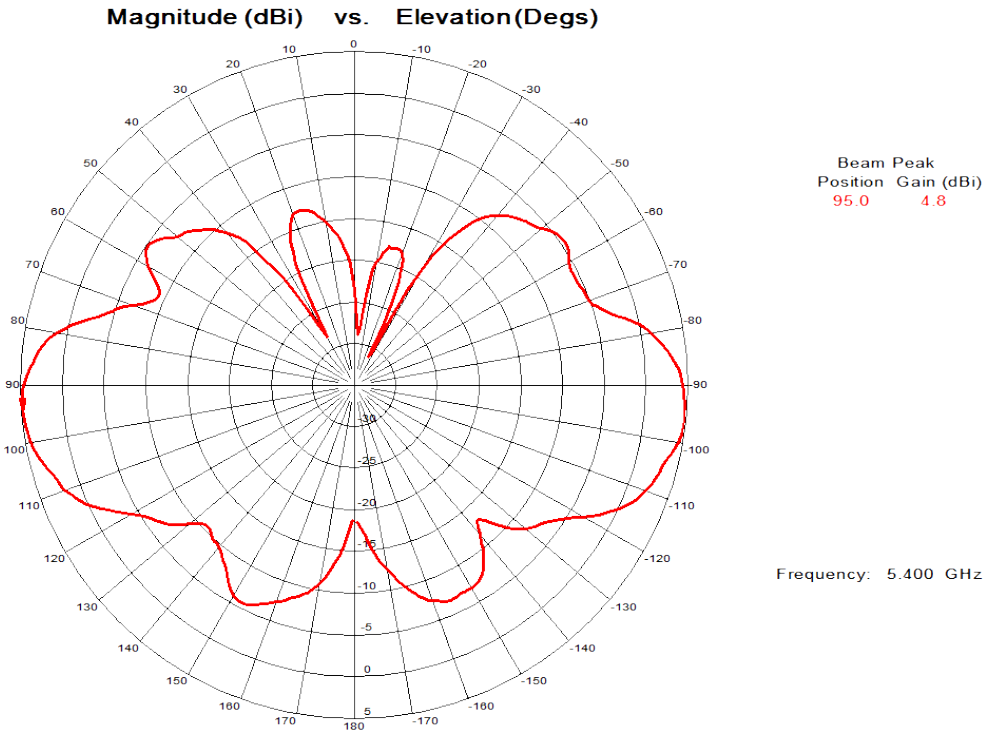

Figure 3: Vertical Radiation Pattern @ 5400 MHz

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