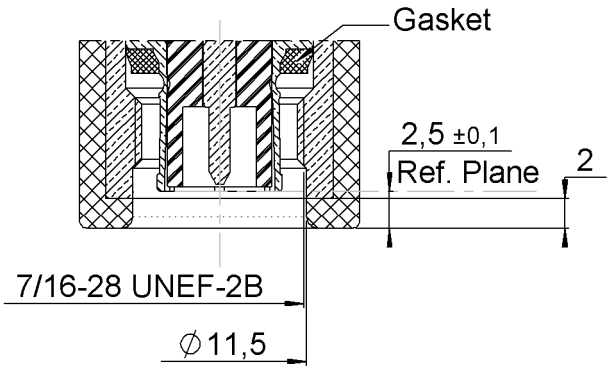
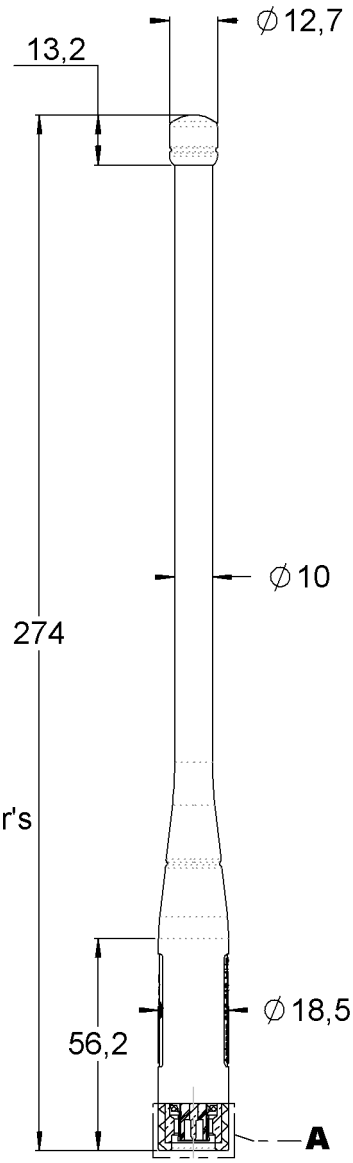
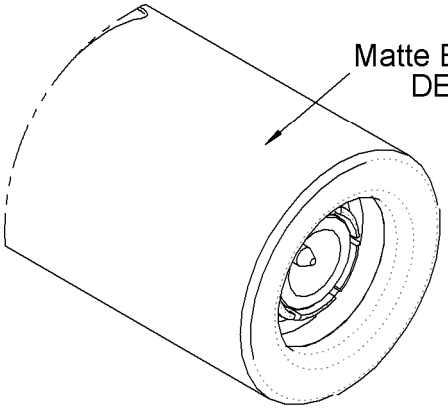
DÉTAIL A
Scale 2 : 1



Scale 1 : 2



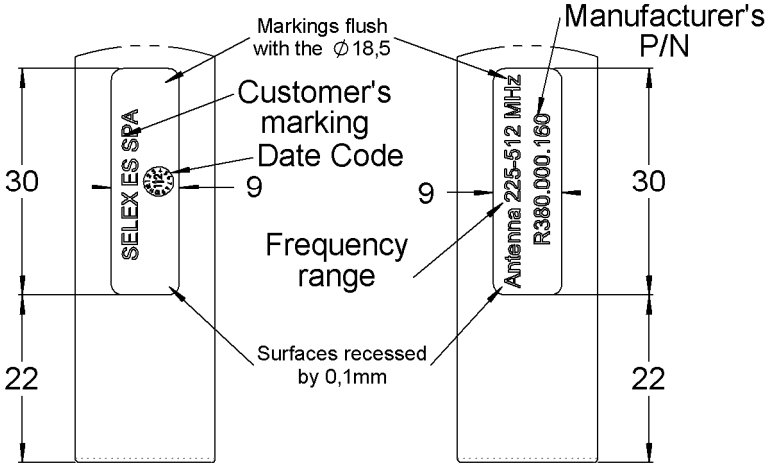


Scale 2 : 1
Male TNC connector

Scale 1 : 1
Matching unit TNC interface

Front marking

Back marking



All dimensions are in mm

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ELECTRICAL CHARACTERISTICS

Frequency :	**225-512**	MHz
Nominal Impedance :	**50**	Ω
VSWR :	**3:1**	Max
Typical Gain Peak gain @ 225-512 MHz (see Gain Curve vs frequency)	**-1.5 to -2.2**	dBi
Radiation Pattern		
Horizontal Plane :	**Omni-directional**	
Vertical Plane :	**Dipolar**	
Polarization :	**LINEAR VERTICAL**	
Power rating :	**10**	W max
Connector type :	**TNC plug (Male)**	

MECHANICAL CHARACTERISTICS

Antenna Material :	**Polyurethane Desmopan 445**	
Color :	**MATTE BLACK**	
Texture :	**Mold-Tech MT-11030**	
Overmolding flexibility:	**±180°, 500 cycles**	
Overmolding Pull strength	**50**	N
Maximum Mating Torque	**22.2**	N.cm
Weight :	**85**	g
Overall length :	**274**	mm
RoHS Compliant:	**Yes**	

EMI / EMC CHARACTERISTICS

Transient Electromagnetic Field :	**RS105** **IAW MIL-STD-461F**	(TBT)
Radiated Emission	**RE102, 2MHz-18GHz** **IAW MIL-STD-461F**	N.A.
Radiated Susceptibility	**RS103, 30MHz-18GHz** **IAW MIL-STD-461F**	N.A.

ENVIRONMENTAL CHARACTERISTICS

Operating temperature :	**-30/+60** **IAW MIL-STD-810G** **meth 501.5 & 502.5, proc II**	°C
Storage temperature :	**-55/+85** **IAW MIL-STD-810G** **meth 501.5 & 502.5, proc I**	°C
Humidity :	**Induced Hot Humid** **IAW MIL-STD-810G** **meth 507.5, proc II**	
Immersion (mated to radio)	**20m, for 2h** **IAW MIL-STD-810G** **meth 512.5, proc I**	

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CURVES

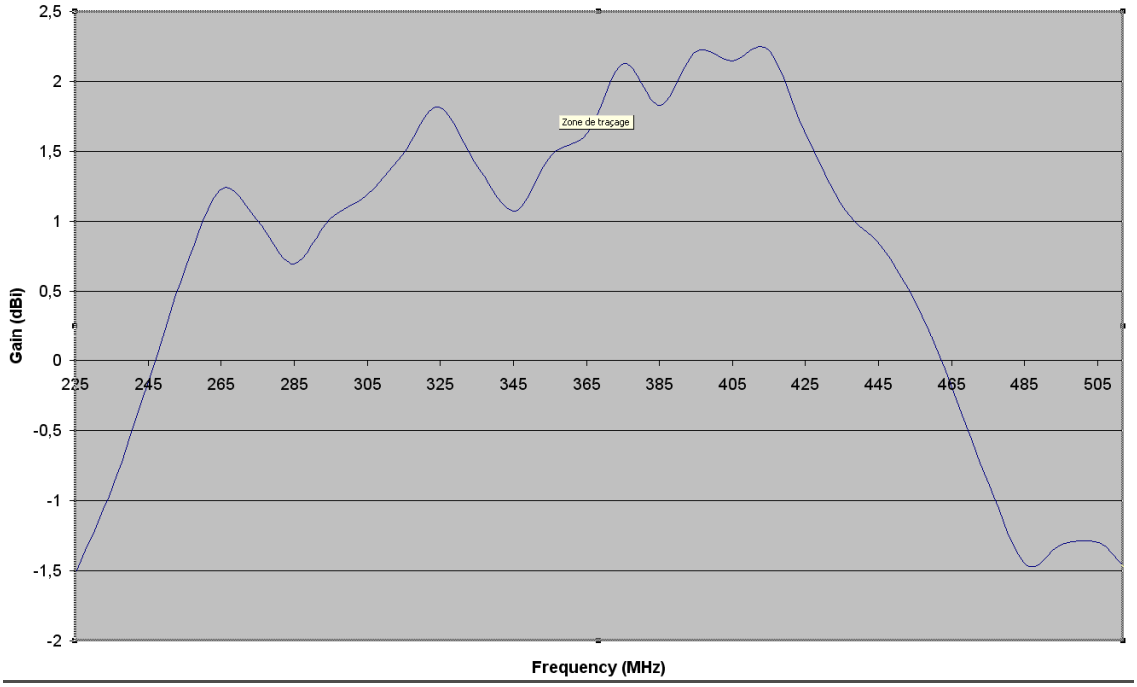

Figure 2: Typical Gain Vs Frequency

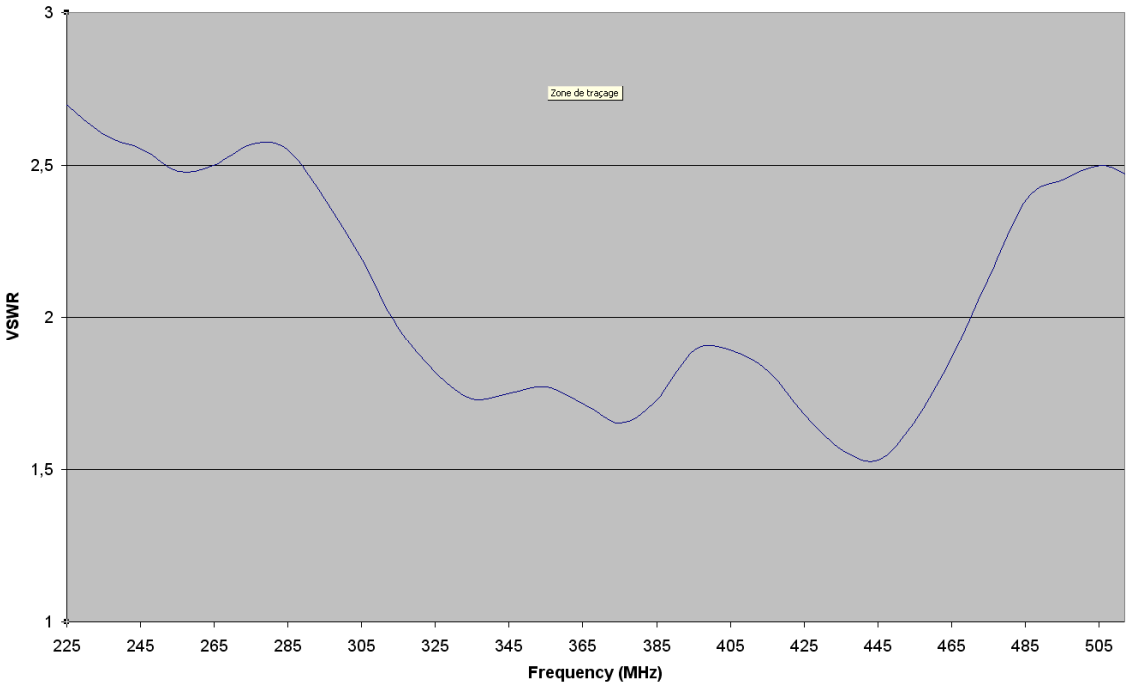

Figure 3: Typical VSWR

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