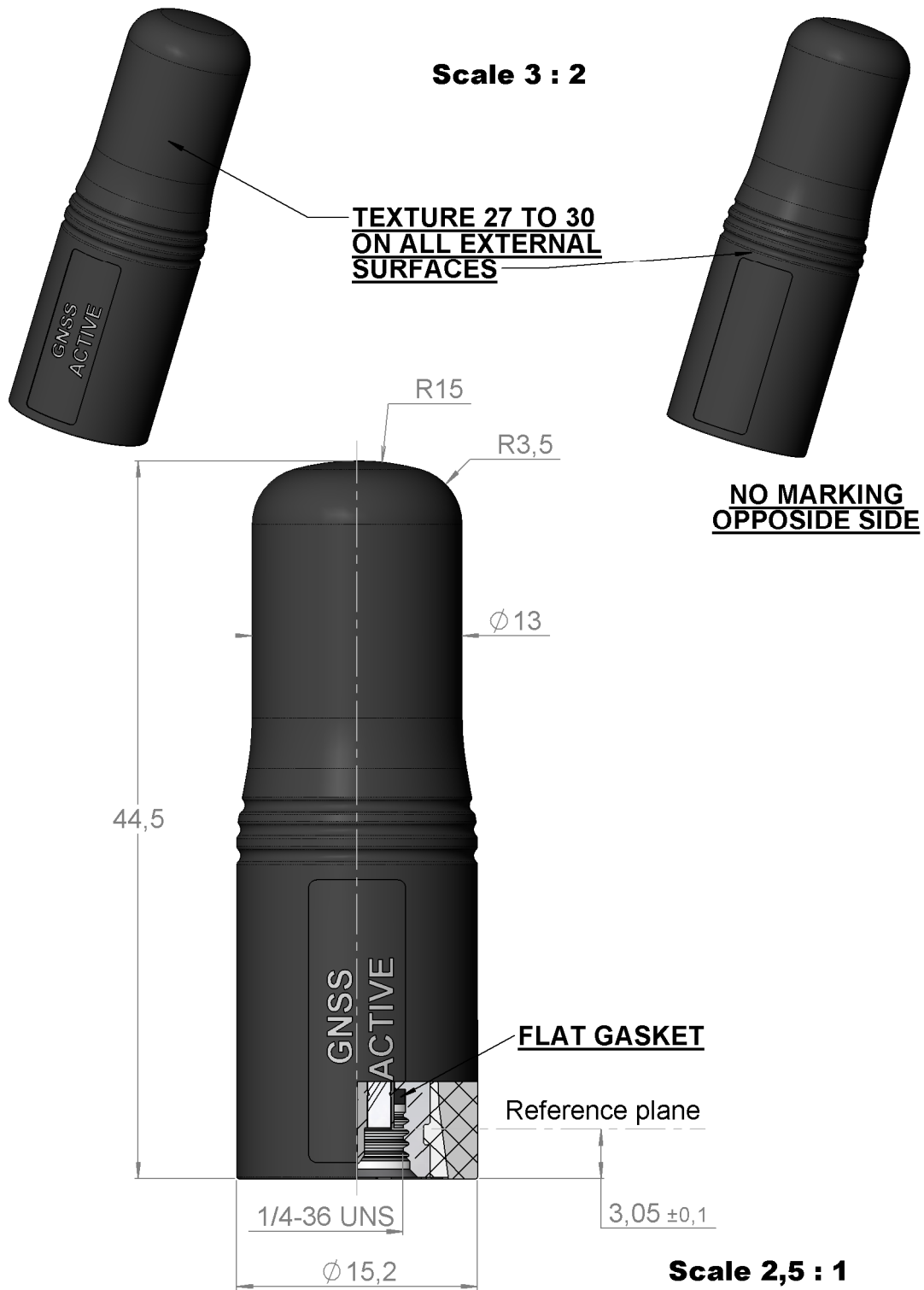


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All dimensions are in mm. Tolerances according ISO 2768 m-H

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ELECTRICAL CHARACTERISTICS

Frequency Ranges :	GALILEO E1 - GPS L1 (1559-1591) GLONASS (1597-1607)	MHz MHz
Nominal Impedance :	50	Ω
VSWR :	2.5:1	Typ.
Typical overall gain :	10	dBic
Radiation pattern:	Dipolar	
Polarization :	Linear vertical	
Output P1 dB	8	dBm
Noise Figure (LNA alone)	0.55	dB
Supply Voltage	3	V typ.
	2.0	V min
	3.5	V max
Supply Current	3.8	mA typ
Connector type :	Male SMA	

MECHANICAL CHARACTERISTICS

Antenna color :	BLACK
Radome material :	Ultem 1000
Radome texture :	Charmille 27-30
Overall length :	44.5 mm
Weight	10 g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature :	-40/+71 °C IAW MIL-STD-810G Meth. 501.5 & 502.5, Proc. II
Storage temperature :	-40/+85 °C IAW MIL-STD-810G Meth. 501.5 & 502.5, Proc. I
Thermal Shocks	-51 / + 85°C IAW Mil-Std-810G Meth. 503.5, proc. Ic.
Humidity:	Induced Hot Humid IAW MIL-STD-810G Meth 507.5, proc II
Immersion (mated)	1m for 2 hours IAW MIL-STD-810G meth 512.5, proc I
Solar Radiation	MIL-STD-810G, Meth 505.5, Proc. II 1120 W/m ²
Salt Fog	96h (4x24h alternating wet & dry) IAW MIL-STD-810G meth 509.5
Transit Drops	26 drops from 1.2m high IAW MIL-STD-810G meth 516.6, proc IV
Vibrations	Tracked Vehicle IAW MIL-STD-810G Meth.514.6, proc. I
Shocks	½ sine, 40g for 9ms IAW MIL-STD-810G Meth. 516.6, proc. I

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ELECTRICAL PERFORMANCES

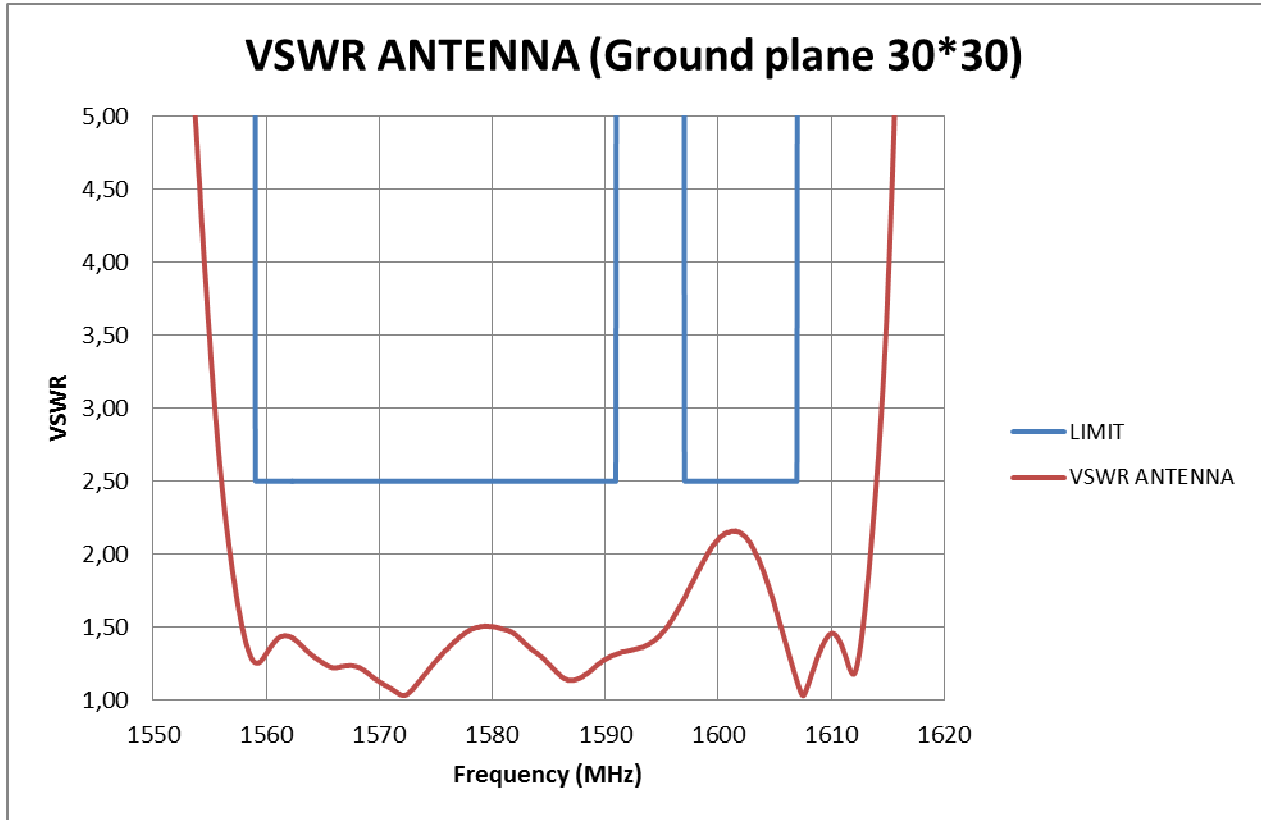


Figure 1: VSWR

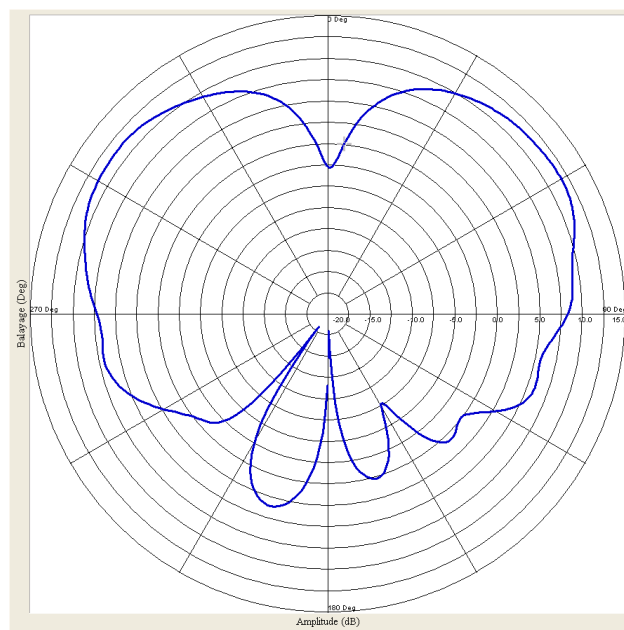


Figure 2: Radiation pattern on ground plane at 1575 MHz (RHCP)

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