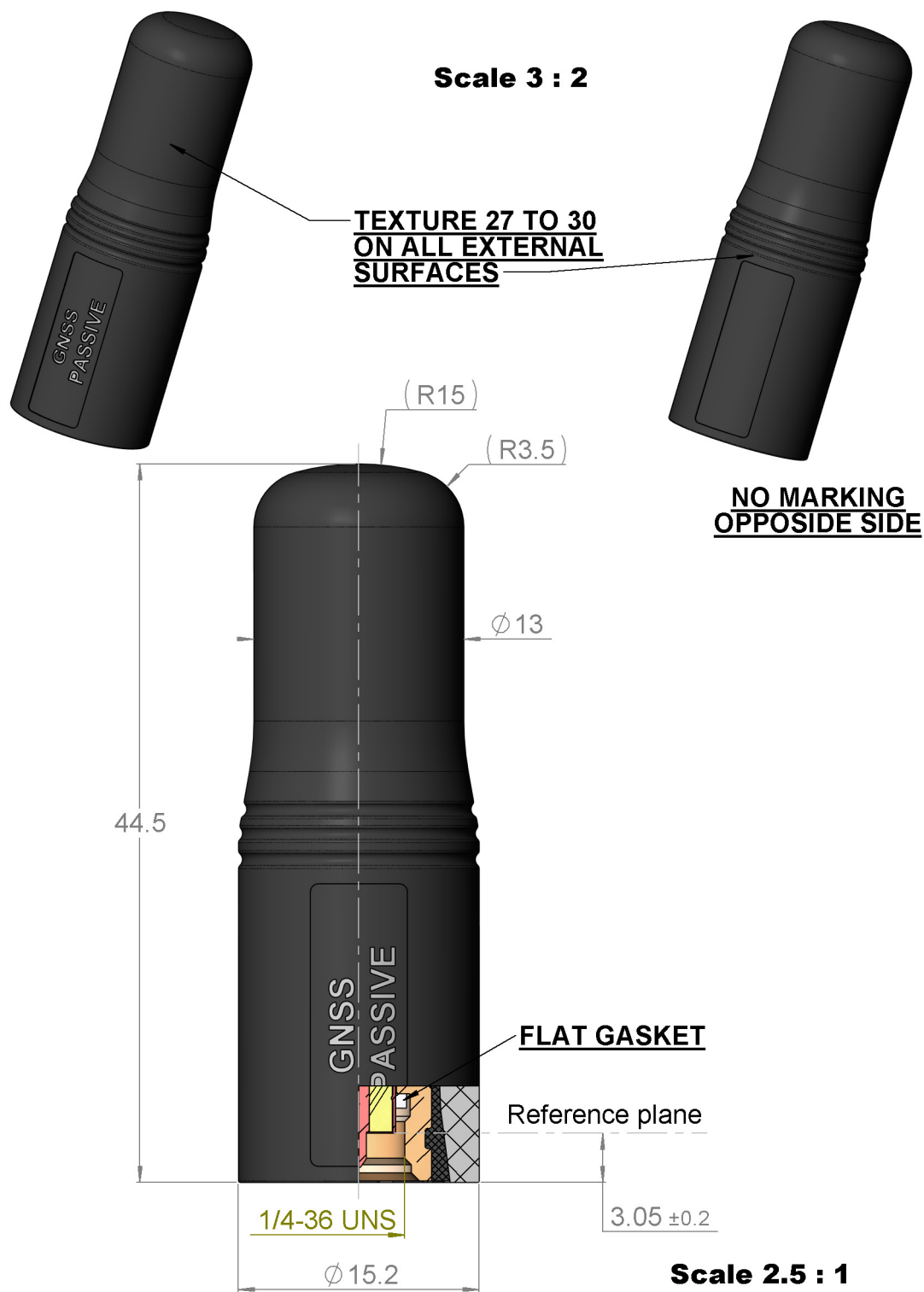


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All dimensions are in mm. Tolerances according ISO 2768 m-H

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ELECTRICAL CHARACTERISTICS

Frequencies Range :	GALILEO E1 - GPS L1 (1559-1591) GLONASS (1597-1607)	MHz MHz
Nominal Impedance :	50	Ω
VSWR :	2.5:1	Typ.
Typical gain :	-3	dBic
Electrical performance are defined and tested according to a metallic ground plan where the antenna is installed on		
Radiation pattern	Dipolar	
Polarization :	Linear vertical	
Connector type :	Male SMA	

MECHANICAL CHARACTERISTICS

Antenna color :	BLACK
Radome material :	Ultem 1000
Radome texture :	Charmille 27-30
Overall length :	44.5 mm
Weight ($\pm 15\%$)	10 g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature :	-40/+71	$^{\circ}\text{C}$
	MIL-STD-810G, Methods 501.5 & 502.5, Proc. II	
Storage temperature :	-40/+85	$^{\circ}\text{C}$
	MIL-STD-810G, Methods 501.5 & 502.5, Proc. I	
Humidity (Non-condensing) :	95%	Relative Humidity
	Through Op. Temp range MIL-STD-810G, Meth 507.5 Proc. II	
Immersion (mated)	1	m
	2	Hours
Solar Radiation	MIL-STD-810G, Meth 505.5, Procedures II	1120 W/m ²
Salt Fog	MIL-STD-810G, Meth 509.5	
	4 x 24 h	

ELECTRICAL PERFORMANCES

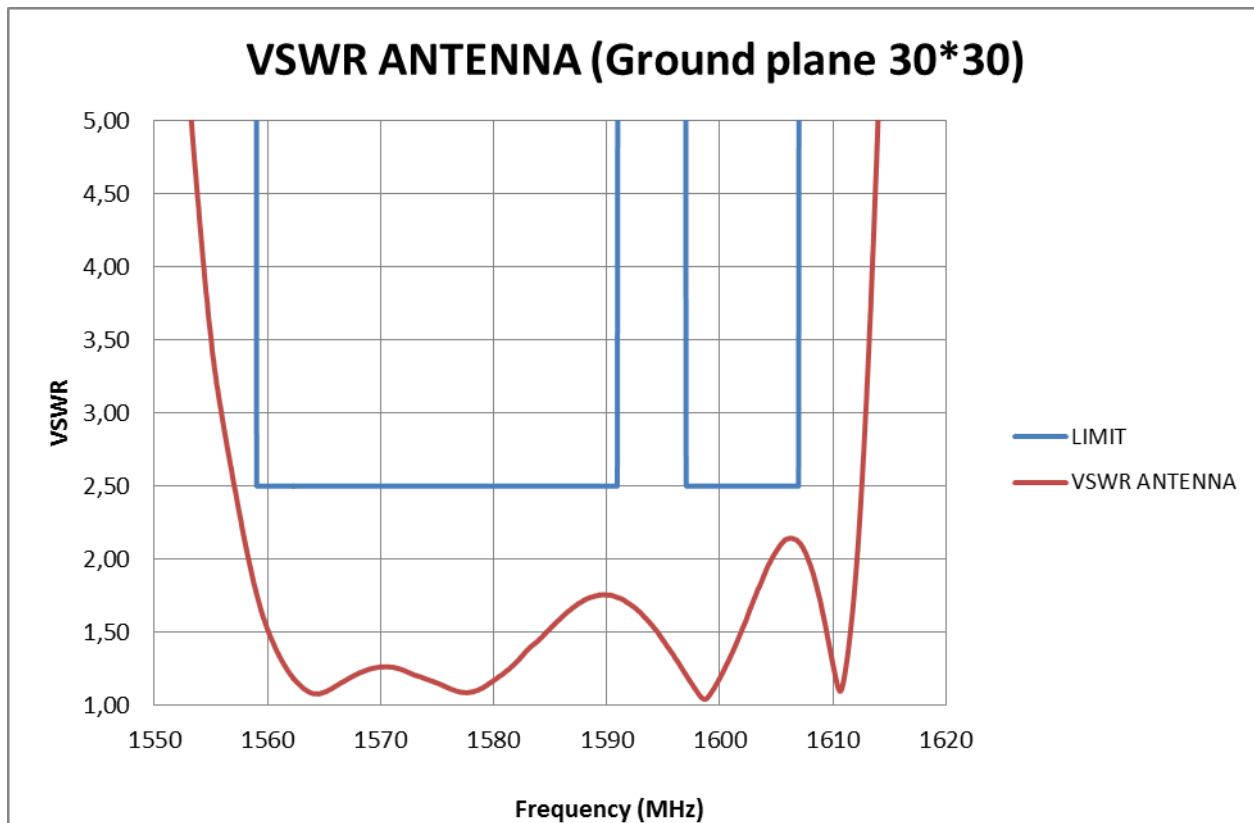


Figure 1: VSWR

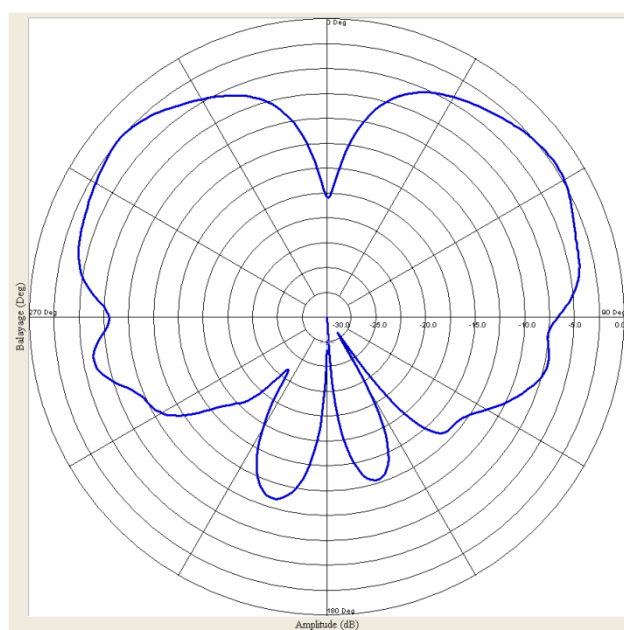


Figure 2: Radiation pattern on ground plane at 1575 MHz (RHCP)