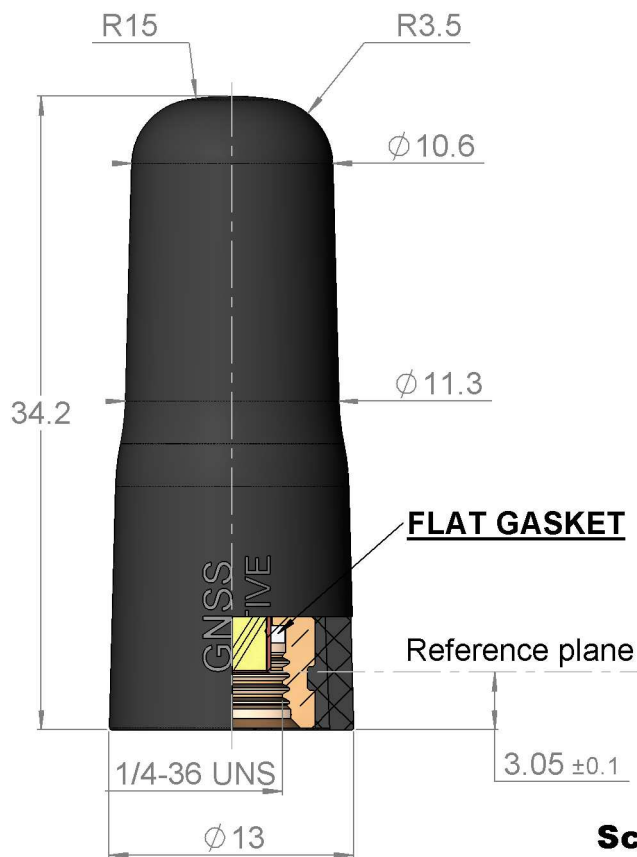
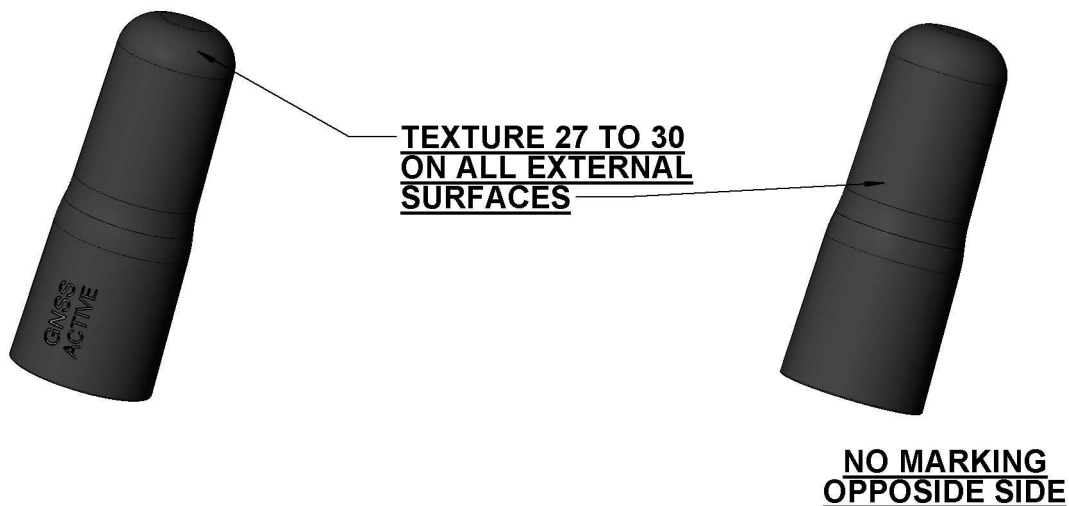


PAGE 1/3	ISSUE 03-07-20B	SERIES ANTENNA	PART NUMBER R380300038
----------	-----------------	----------------	------------------------

Scale 3 : 2



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

PAGE 2/3	ISSUE 03-07-20B	SERIES ANTENNA	PART NUMBER R380300038
----------	------------------------	--------------------------	-------------------------------

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 :	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 :	Polyamide
Radome texture :	Charmille 27-30
Overall length :	34.2 mm
Weight	5,65 g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature :	-40/+71	$^{\circ}$ C
	MIL-STD-810G, Methods 501.5 & 502.5, Proc. II	
Storage temperature :	-40/+85	$^{\circ}$ 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	

PAGE 3/3	ISSUE 03-07-20B	SERIES ANTENNA	PART NUMBER R380300038
----------	-----------------	----------------	------------------------

ELECTRICAL PERFORMANCES

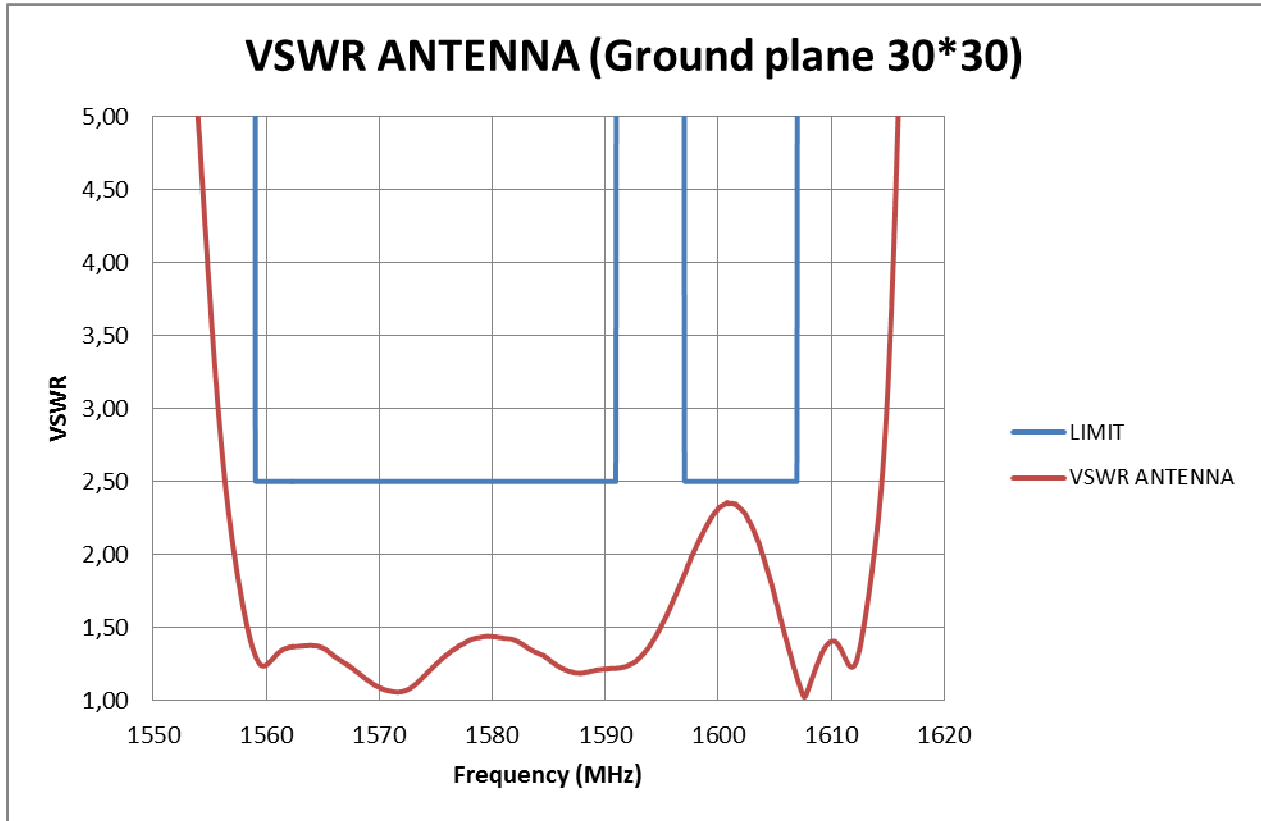


Figure 1: VSWR

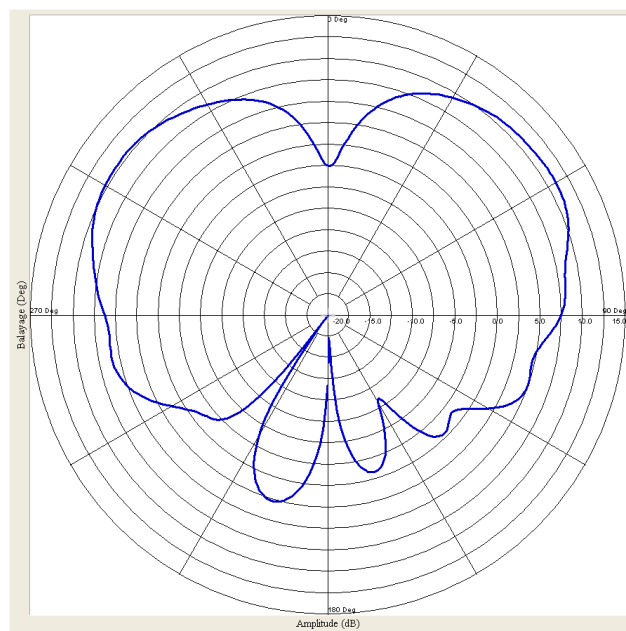


Figure 2: Radiation pattern on ground plane at 1575 MHz (RHCP)