

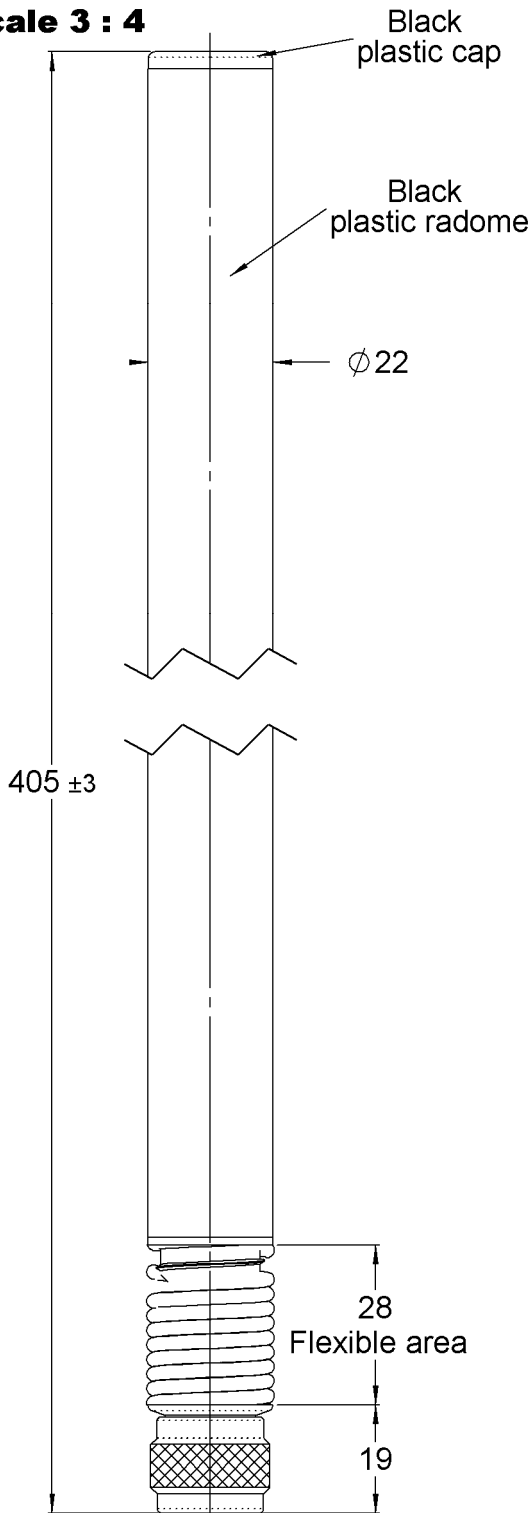
**SPRING MOUNTED RADOME OMNI ANTENNA**

**R380.500.232**

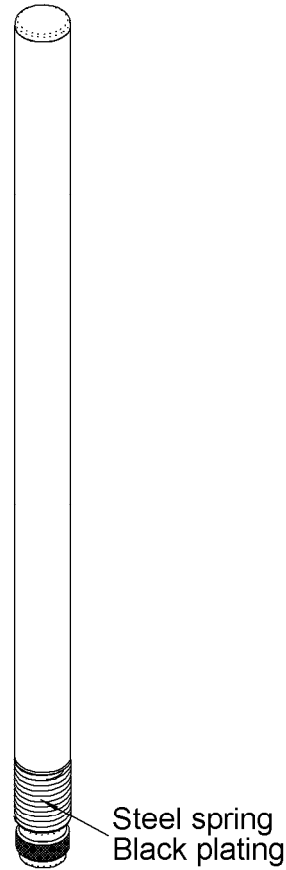
**2.4-2.5 GHZ - 6 DBI**

Series : ANTENNA

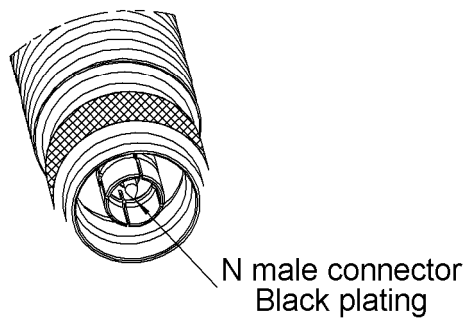
**Scale 3 : 4**



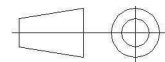
**Scale 1 : 3**



**Scale 1 : 1**



All dimensions are in mm



**Issue : 1010 A**

In the effort to improve our products, we reserve the right to make changes judged to be necessary.



**SPRING MOUNTED RADOME OMNI ANTENNA****2.4-2.5 GHZ - 6 DBI****R380.500.232**

Series : ANTENNA

**ELECTRICAL CHARACTERISTICS**

Frequency :	<b>2.4-2.5 GHz</b>
Nominal Impedance :	<b>50 Ω</b>
VSWR :	<b>2:1 Max</b>
Peak Gain (Total field) :	<b>6 ±0.5 dBi</b>
Azimuth Ripple :	<b>±0.75 dB max</b>
Side Lobe Level :	<b>-10 dB</b>
Polarization :	<b>LINEAR VERTICAL (main)</b>
Power withstanding :	<b>2 W</b>

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**RADIAL** 

**SPRING MOUNTED RADOME OMNI ANTENNA****R380.500.232****2.4-2.5 GHZ - 6 DBI**Series : **ANTENNA****MECHANICAL CHARACTERISTICS**

Product in Conformity with the ROHS (Restriction of Hazardous Substances) and WEEE (Waste Electrical and Electronic Equipment) requirements

Connector type :

**N male**

Weight :

**310 g**

Operating temperature :

**-40/+70 ° C**

Storage temperature :

**-40/+70 ° C**

Dimensions :

Overall antenna height :

**405 mm**

Antenna diameter :

**22 mm**

Spring height (Flexible area) :

**28 mm**

Connector height :

**19 mm**

Material:

Radome :

**Acrylonitrile Styrene  
Acrylate (ASA)**

Radome Color :

**BLACK RAL 9005**

Spring:

**STEEL**

Connector and spring Color :

**BLACK PLATING****Issue : 1010 A**

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**RADIALL** 

**SPRING MOUNTED RADOME OMNI ANTENNA**

**2.4-2.5 GHz - 6 DBI**

**R380.500.232**

Series : ANTENNA

**CURVES**

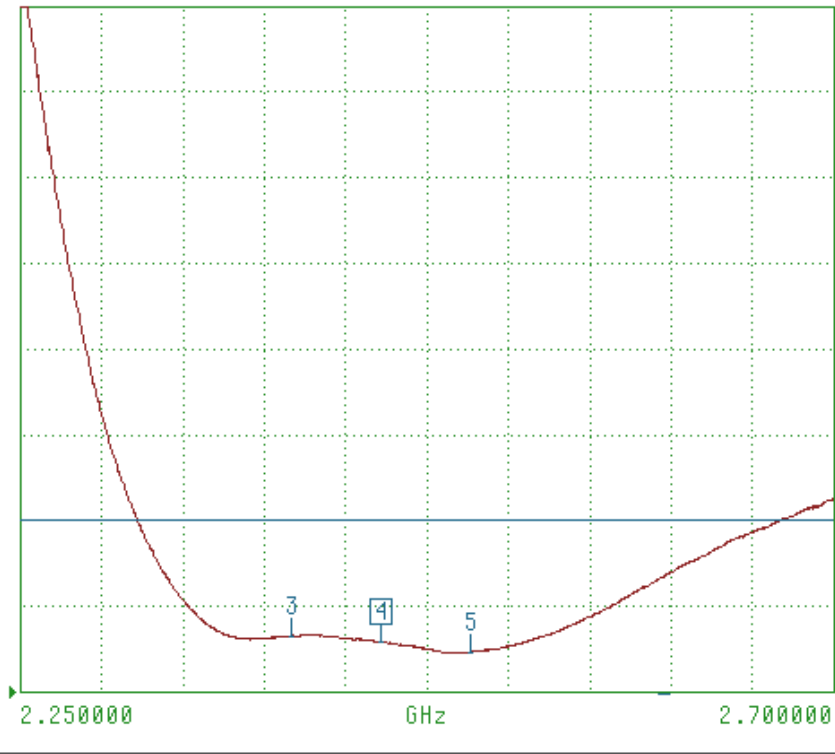
**VSWR measurements**

S22 REVERSE REFLECTION

SWR

REF=1.000 U

500.000 mU/DIV



CH 4 - S22  
REFERENCE PLANE  
0.0000 mm

MARKER 4  
2.449875 GHz  
1.290 U

MARKER TO MAX  
MARKER TO MIN

3 2.400000 GHz  
1.324 U

5 2.500125 GHz  
1.230 U

MARKER READOUT  
FUNCTIONS

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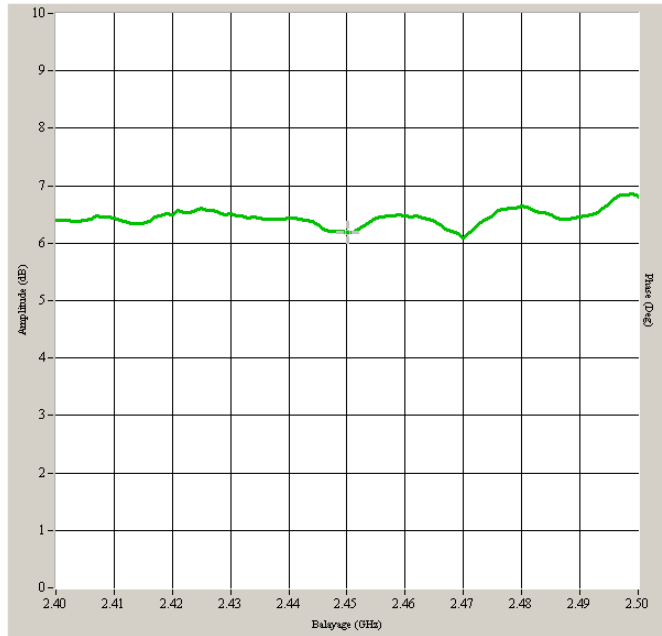
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**R380.500.232**

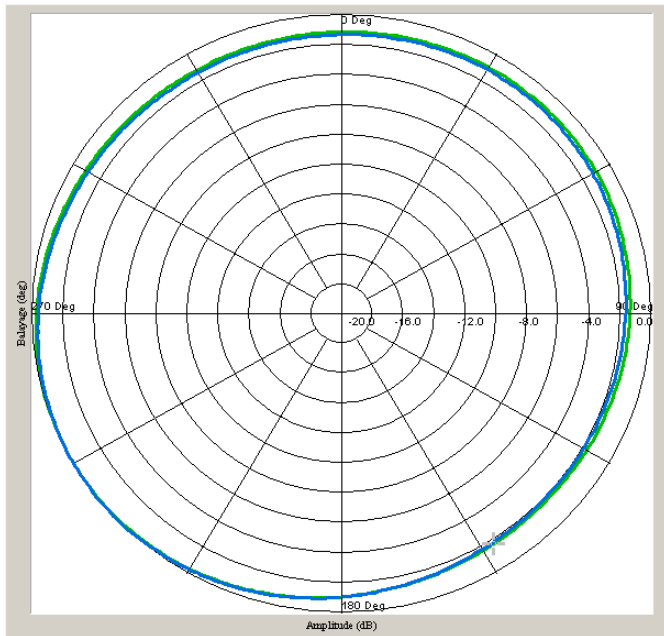
**2.4-2.5 GHz - 6 DBI**

Series : ANTENNA

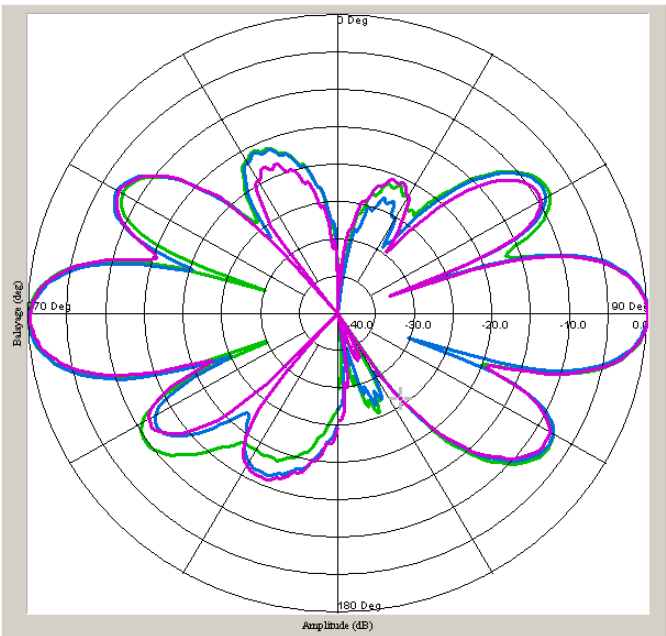
**Radiation pattern measurements**



2.4-2.5 GHz Dipolar Plane Gain



2.4-2.5 GHz Omni-directional Plane



2.4-2.5 GHz Dipolar Plane

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