



SERIES ANTENNA PAGE 1/5 ISSUE **26-11-15A** PART NUMBER **R380500150** Black polyamide radome 6,7 R5 31,8 Reference plane Gold plated female contact 1,9 12 8,4 3,2 Ø 9.8 Reverse SMA  $\emptyset$  11,4 **CUSTOMER APPROVAL** All dimensions are in mm **Department or Company Stamp:** Name: Date:

This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatspeyer or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication. Leica will be in principle of the party for any purpose whatspeyer or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication. Leica will be in principled in the data defined in this document are given as an indication. Leica will be in principled in the data defined in this document are given as an indication. Leica will be in party for any purpose whatspeyer or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication. Leica will be in party for any purpose whatspeyer or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication. Leica will be in party for any purpose whatspeyer or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication. Leica will be in party for any purpose whatspeyer or used for manufacturing purposes without prior written agreement from Radiall.





SERIES ANTENNA PAGE **2/5** ISSUE **26-11-15A** PART NUMBER **R380500150** ANTENNA INTEGRATED ON THE CAMERA 21 Protruding fom the camera Camera Chassis/ 8,9 SMA Height ·Nut Space available for the nut and washer Star washer Camera's reverse SMA cable assembly



# **Technical Data Sheet**

2.4 GHz RADOMED MONOPOLE ANTENNA

SERIES PAGE 3/5 ISSUE **26-11-15A** PART NUMBER R380500150 **ANTENNA** 

#### **ELECTRICAL CHARACTERISTICS**

Frequency Range: 2.4-2.5 GHz Nominal Impedance :  $VSWR^{(1)}$  : 50 Ω 2.5:1 Max

Peak Gain (1): dBi 0±1

Radiation Pattern

Horizontal Plane: **Omni-directional** Vertical Plane: Dipolar

**VERTICAL** Polarization:

5 W max Power rating:

Connector type: **Reverse SMA Plug** 

≤10

g max

(1) Electrical Performance measured on Customer's Equipment.

### **MECHANICAL CHARACTERISTICS**

Radome: Material: Polycarbonate **BLACK** Color: Charmille 24-27 General texture :

Weight:

Overall dimensions: Ø11.5 x 32 mm

### **ENVIRONMENTAL CHARACTERISTICS**

Operating temperature: -30/+70 ° C

Storage temperature : -40/+85 ° C

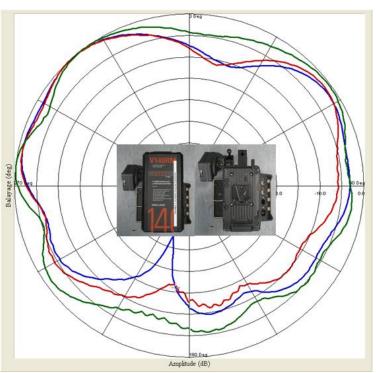
Ingress Protection (mated): **IP 64** 



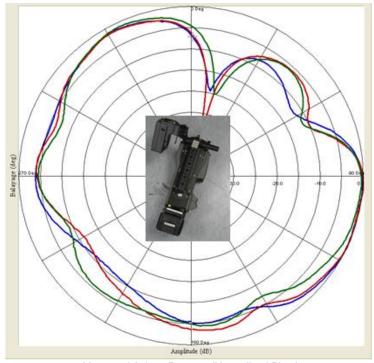


PAGE <b>4</b> / <b>5</b>	ISSUE <b>26-11-15A</b>	SERIES ANTENNA	PART NUMBER <b>R380500150</b>
--------------------------	------------------------	-------------------	-------------------------------

## **RADIATION PATTERNS**



Measured Elevation Patterns (Normalized Plots) Blue: 2.4 GHz – Red: 2.45 GHz – Green: 2.5 GHz



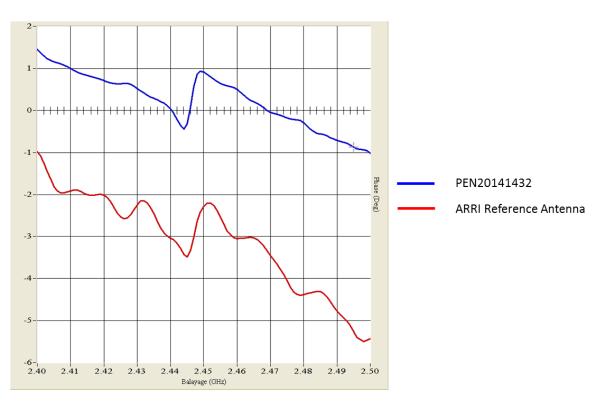
Measured Azimut Patterns (Normalized Plots) Blue: 2.4 GHz – Red: 2.45 GHz – Green: 2.5 GHz



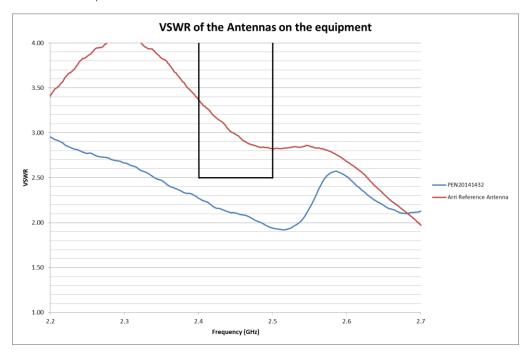


PAGE 5/5 ISSUE 26-11-15A SERIES PART NUMBER R380500150

#### **COMPARATIVE PLOTS**



Gain comparison between PEN20141432 and ARRI reference antenna on Camera Chassis



VSWR comparison between PEN20141432 and ARRI reference antenna on Camera Chassis