

# PLW0124

## (DATASHEET)

<b>Type</b>	Multiband antenna
<b>Frequencies</b>	4G/LTE (699-960/1710-2690 MHz) GALILEO E1 (1575.42 MHz) GPS (1575.42 MHz) GLONASS (1592 - 1610 MHz)
<b>Mounting</b>	Telematic Mount
<b>Revision</b>	01





# 1. SPECIFICATION

## 1.1. Electrical Specifications

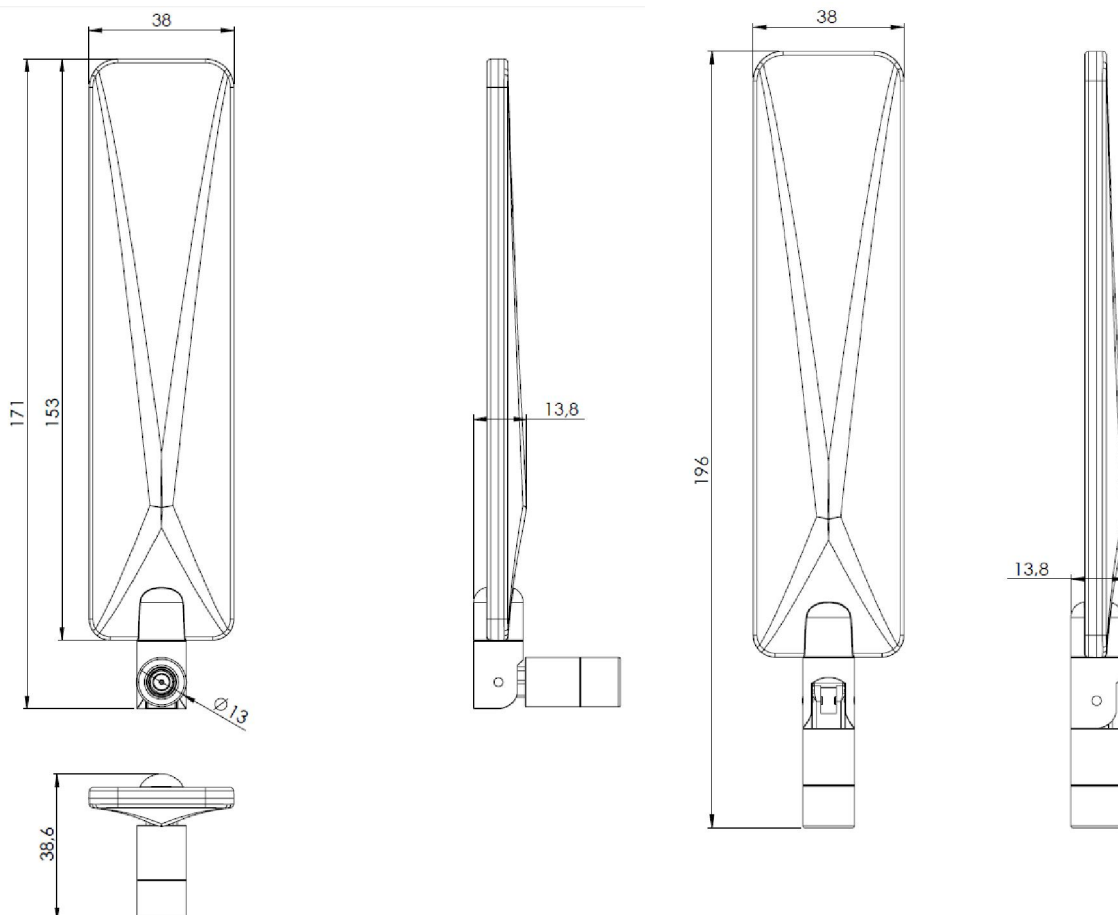
Frequencies	4G/LTE (699-960/1710-2690 MHz) GALILEO E1 (1575.42 MHz) GPS (1575.42 MHz) GLONASS (1592 - 1610 MHz)
Impedance	50 Ohms
Polarization	Linear
Gain	3dBi Ave.
VSWR	<3:1 ; <5:1 at 2500-2690MHz
Operating temperature	-40°C to +85°C

## 1.2. Connection Specifications

Connector: SMA male

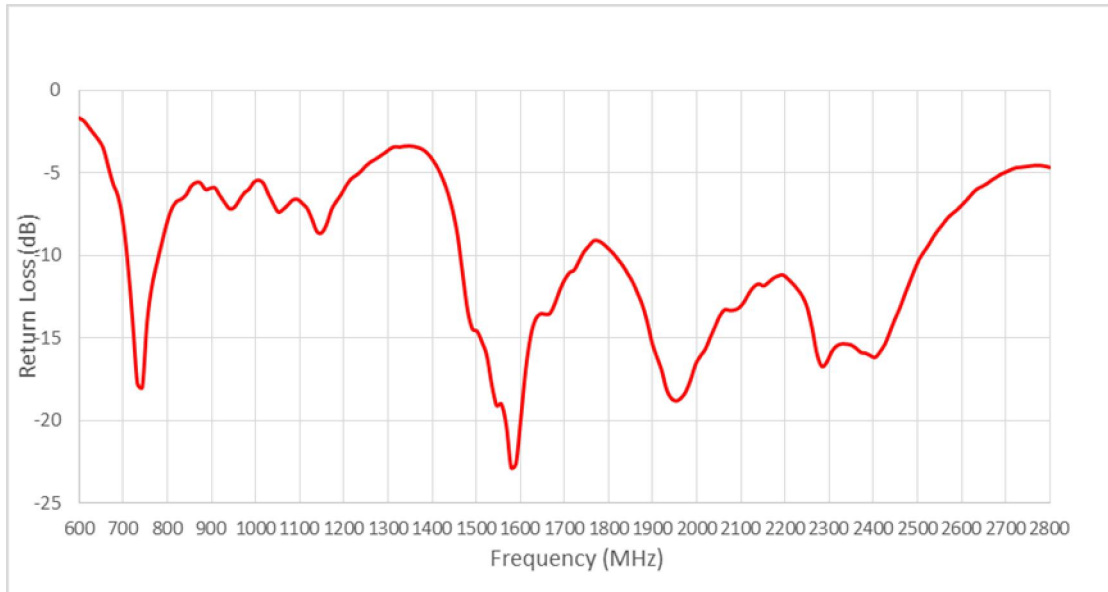
## 1.3. Mechanical Specifications and Dimensions

Material: ABS  
Max. dimensions: 38mm x 196mm x 13,8mm (W x H x T)  
Weight: 40g  
Colour: Black (for different colours please ask our sales team)

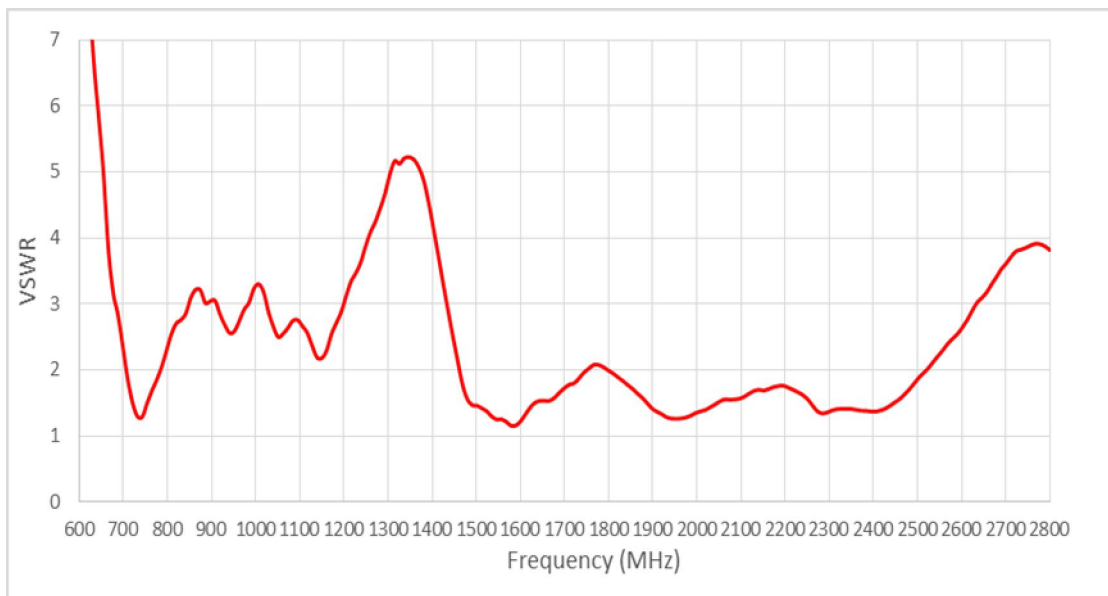


## 2. MEASUREMENT

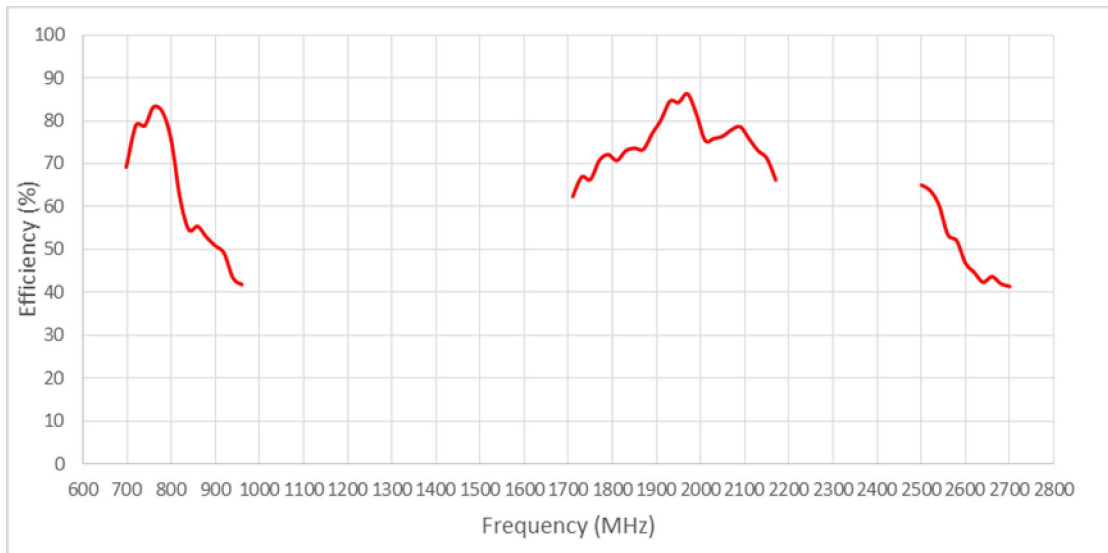
Return Loss (dB)



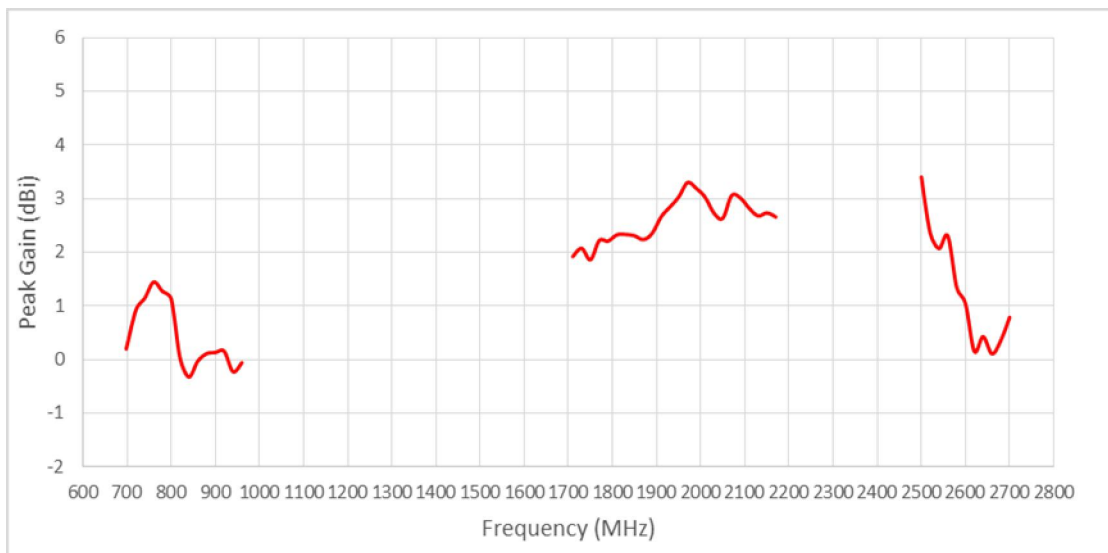
VSWR



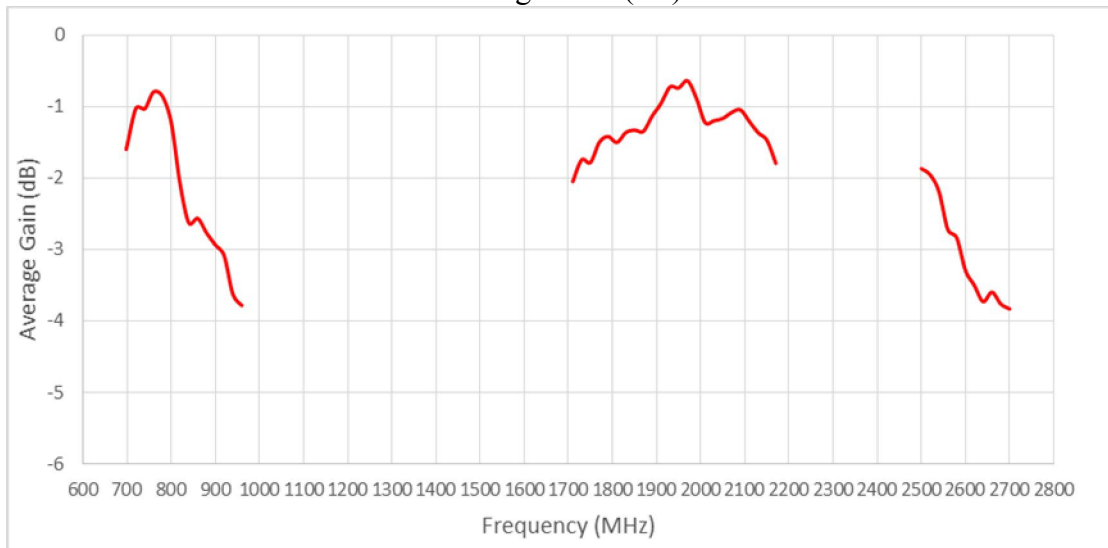
Efficiency (%)



Peak Gain (dBi)



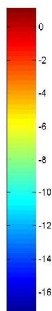
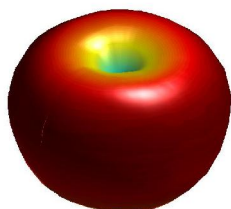
Average Gain (dB)



### 3D Spherical

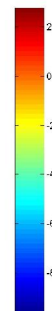
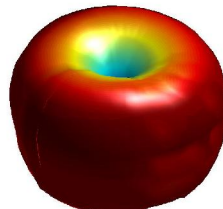
699MHz

Freq = 0.6990GHz Az= 45 EL= 45



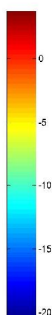
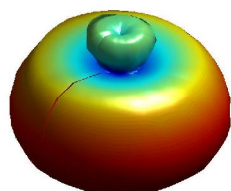
750MHz

Freq = 0.754GHz Az= 45 EL= 45



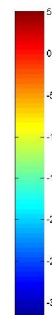
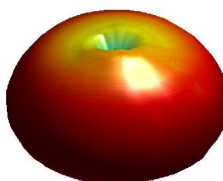
900MHz

Freq = 0.908GHz Az= 45 EL= 45



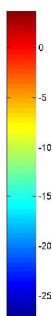
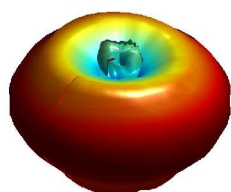
1800MHz

Freq = 1.799GHz Az= 45 EL= 45



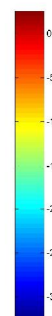
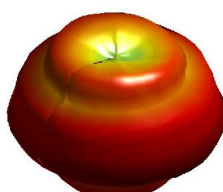
1900MHz

Freq = 1.909GHz Az= 45 EL= 45



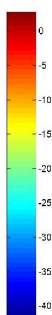
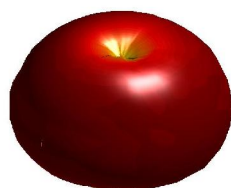
2100MHz

Freq = 2.107GHz Az= 45 EL= 45



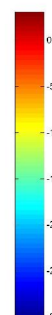
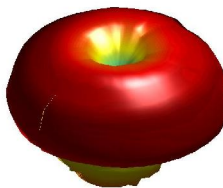
2400MHz

Freq = 2.404GHz Az= 45 EL= 45



2600MHz

Freq = 2.602GHz Az= 45 EL= 45



### 3. IMAGES

