



**PRODUCT DATASHEET**

**MG-DYB005**

**Type**                    **GPS/GLONASS External Antenna**  
**Frequencies**        1575.42MHz / 1601-1610MHz  
**Mounting**            Connector SMA male  
**Brand Name**        **MG ANTENNAS**



Revision #	Content	Page	Date
0	First, document	-	18.09.2017

# 1. SPECIFICATION

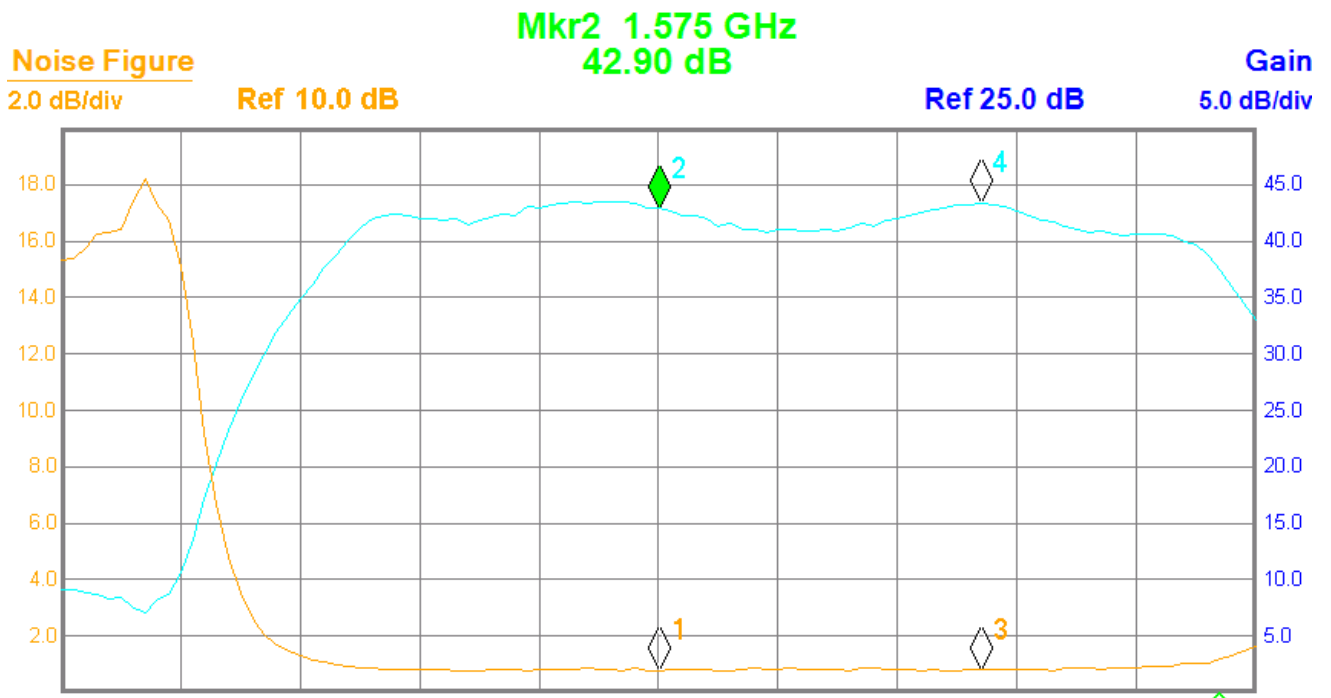
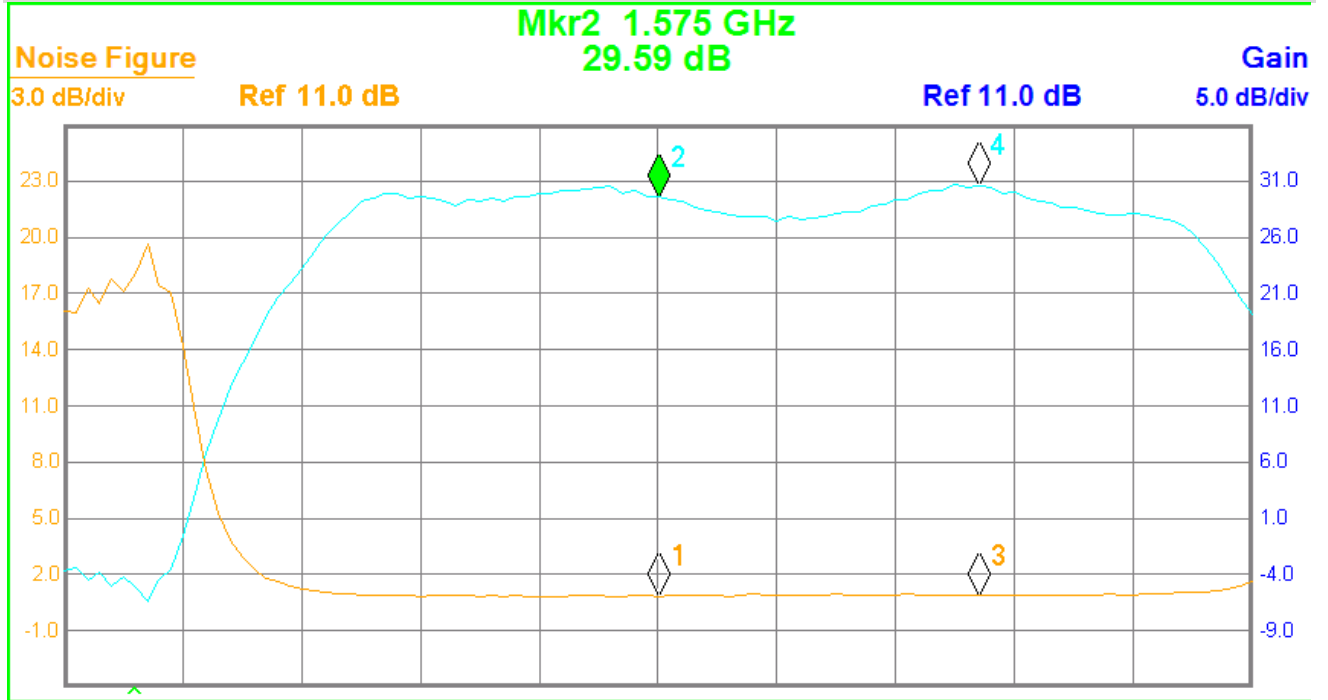
## 1.1 Electrical Specifications

<b>Frequency</b>	GPS 1575.42 MHz GLONASS 1601-1610 MHz	
<b>Polarization</b>	RHCP	
<b>Antenna gain</b>	3dBic	
<b>LNA</b>	<b>Noise-Figure</b>	≤1.0
	<b>Gain</b>	32±2DB typ.
	<b>VSWR</b>	1.5 :1
	<b>DC current</b>	≤7mA
<b>Max Power</b>	50mW	
<b>Supply Voltage</b>	2.7-5V	
<b>Impedance</b>	50 Ω	

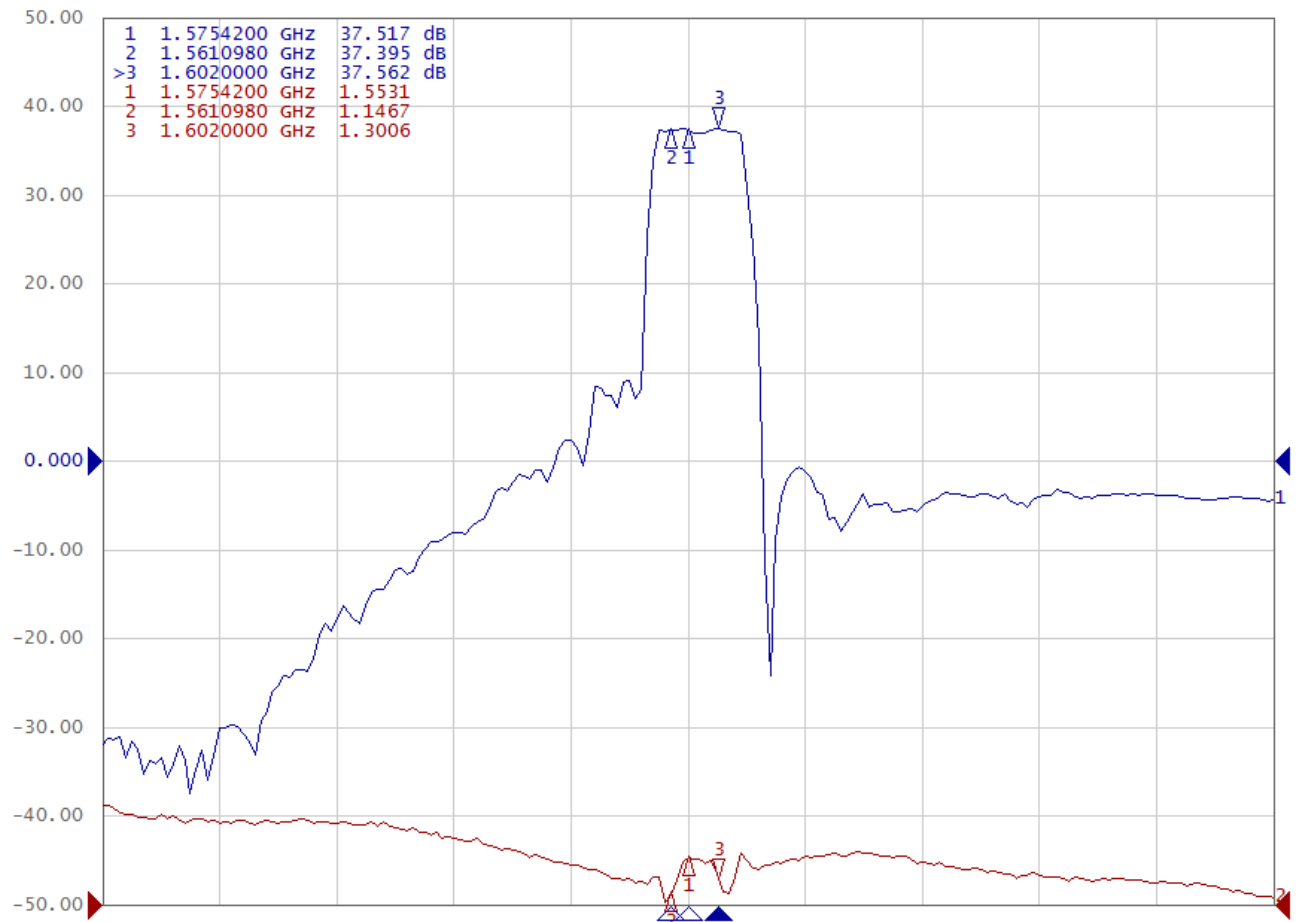
## 1.2 Mechanical and Environmental Specification

<b>Cable (type and length)</b>	RG58, 1/5/10/20m or other
<b>Connector</b>	SMA male or other
<b>Shell color</b>	White
<b>Dimensions</b>	96 (Ø) x 127 mm
<b>Antenna weight</b>	0.15kg
<b>Operating/ Storage Temperature</b>	- 40°C ~ + 85°C
<b>Waterproof</b>	100% + Anti-corrosion
<b>Lightning protection</b>	Yes

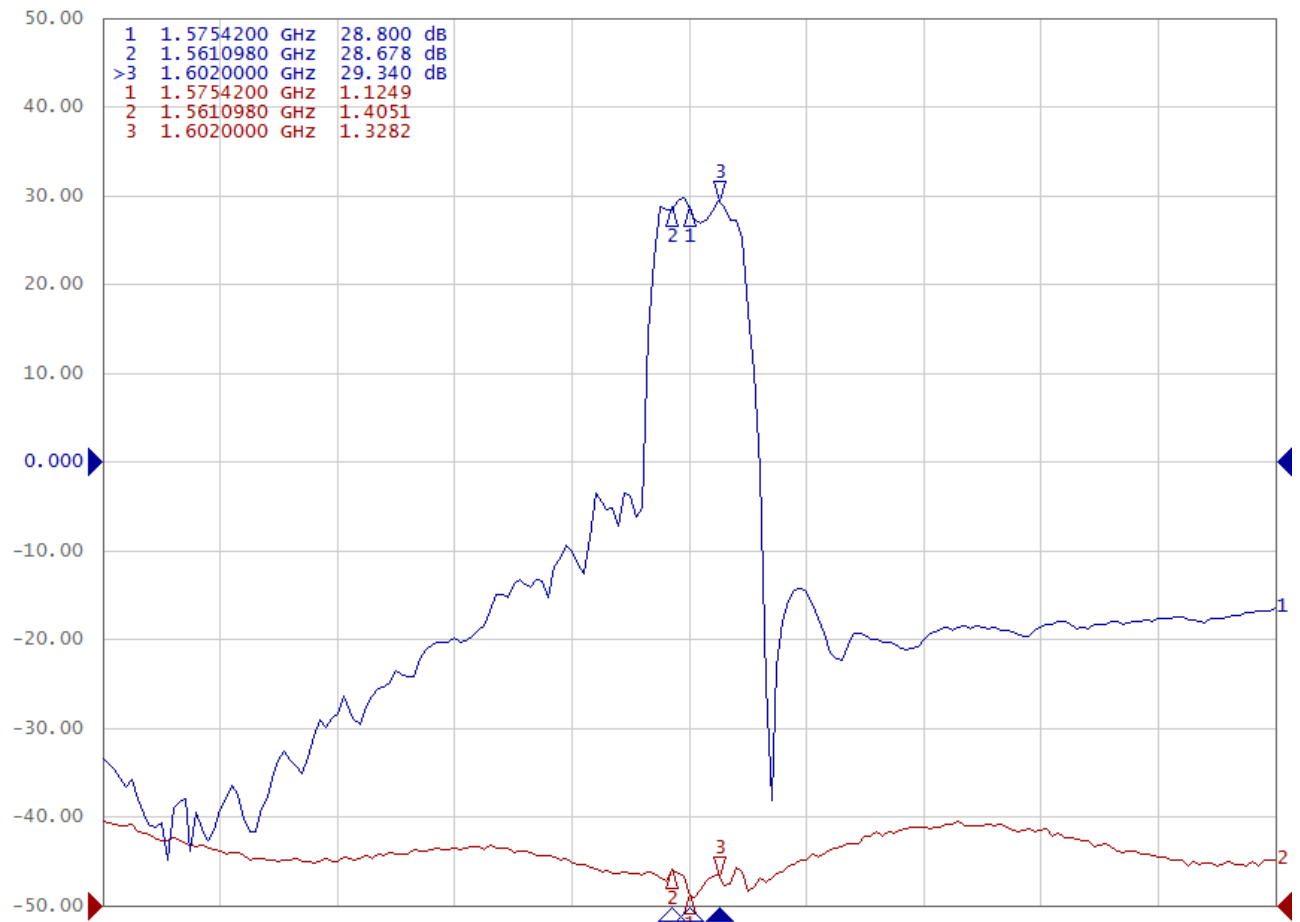
## 2. MEASUREMENT



▶ Tr1 S21 Log Mag 10.00dB/ Ref 0.000dB  
 Tr2 S22 SWR 1.000/ Ref 1.000



▶ Tr1 S21 Log Mag 10.00dB/ Ref 0.000dB  
 Tr2 S22 SWR 1.000/ Ref 1.000



### 3. DIMENSIONS

