



Product Name: Magnetic Mounted GNSS Active Antenna

Part Number: EG-2B-A1S-B01

Feature:

- GPS/GLONASS Dual Band Patch Antenna
- Solid Enclosure, IP67 Waterproof Resistant
- Magnetic Mounting Method

Application:

- GNSS Navigation System Application



Magnet Mount GNSS Active Antenna

MODEL: EG-2B-A1S-B01

WI-RD-D-198 V1.0

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I. Specifications:

Category		Specification	
Patch Specification			
Application Band		L1(GPS)	GLONASS
Frequency(MHz)		1575.42	1602
Efficiency (%)			
EG-2B-A1S-B01		56.89	51.40
Average Gain (dBi)			
EG-2B-A1S-B01		-2.45	-2.89
Peak Gain (dBi)			
EG-2B-A1S-B01		0.94	0.33
Gain (zenith)	1575.42 MHz	1.7 dBi	
	1602 MHz	1.2 dBi	
Filter / LNA Specification			
Frequency Range (MHz)		1565 ~ 1610	
Gain (zenith)	1575.42 MHz	29±2 dB (3.3±0.1V)	
	1602 MHz	29±2 dB (3.3±0.1V)	
Noise Figure		1.5dB typ.	
Output V.S.W.R		2.0 max.	
Operation Voltage		3.0~5.0 V	
Current		10±2 mA	
Overall Specification (Through Antenna , LNA , without cable loss)			
Frequency Range (MHz)		1575.42 / 1602	
Zenith Gain	1575.42 MHz	30.7±2 dB (@3.3V)	
	1602 MHz	30.2±2 dB (@3.3V)	

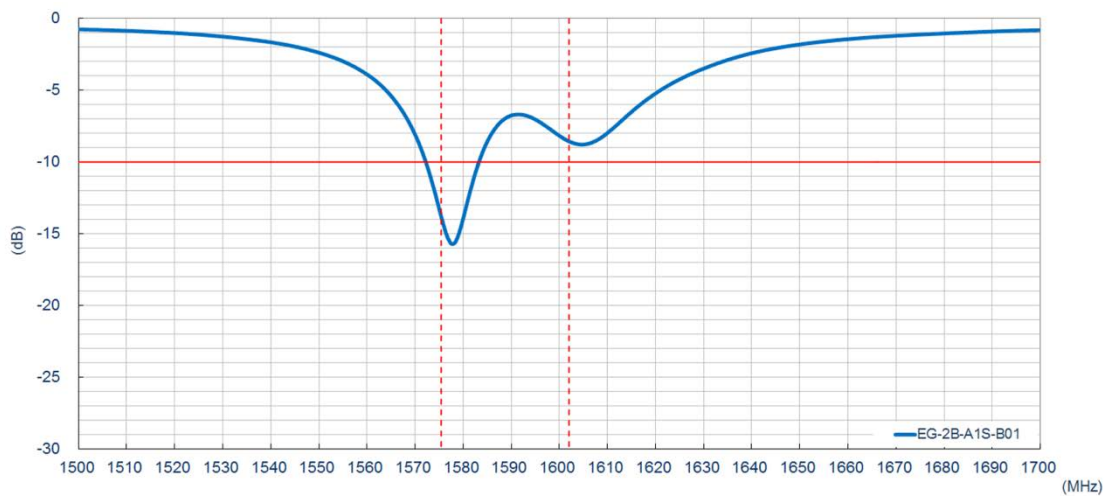


Mechanical Specification	
Dimension (mm)	(L) 46.2 * (W) 38 * (H) 12.2
Cable Type & Length	RG-174 / 576 mm
Connector	GT5-1S
Mounting Method	Magnetic Mounted
Waterproof Resistant	IP67
Operation Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C

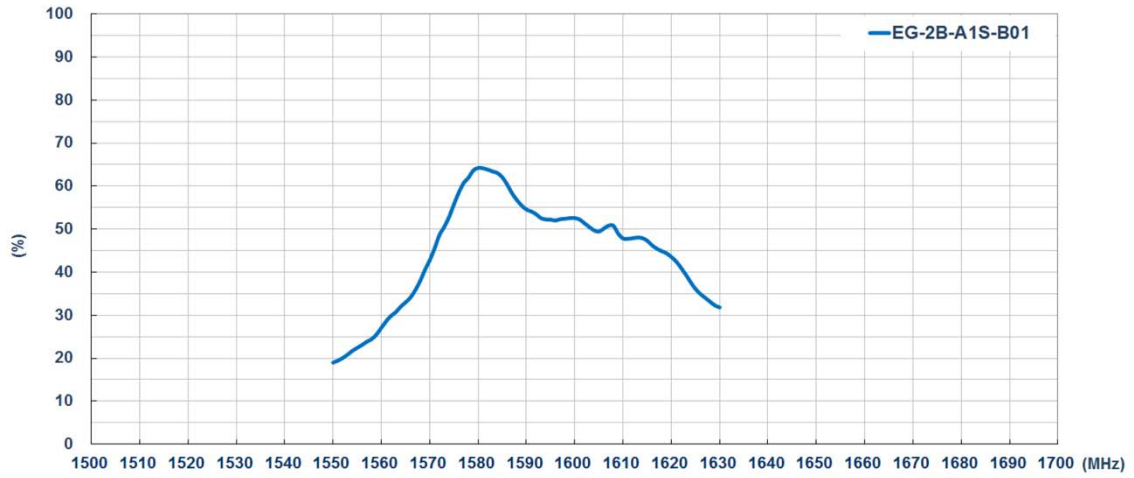
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II. Antenna Technical Parameters:

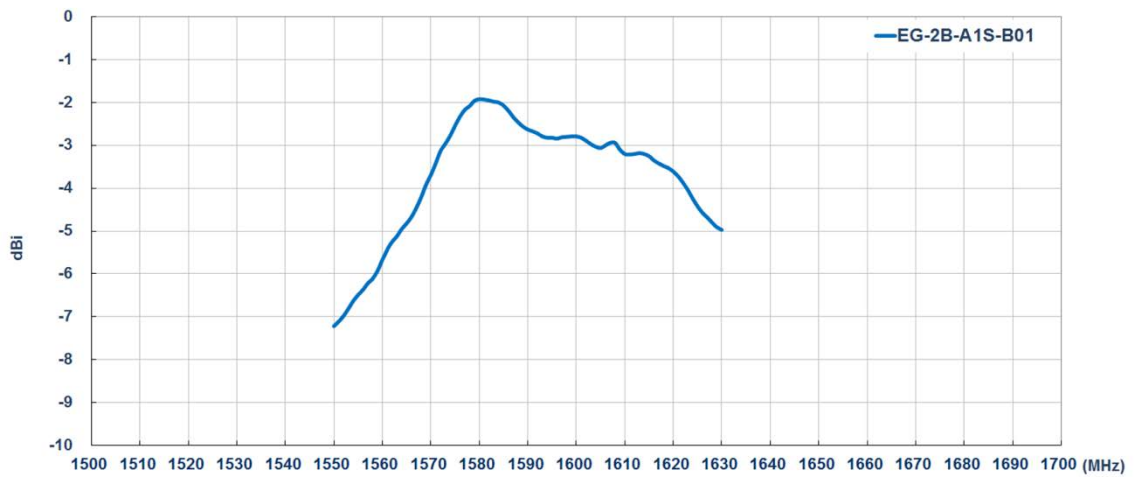
S-parameters:



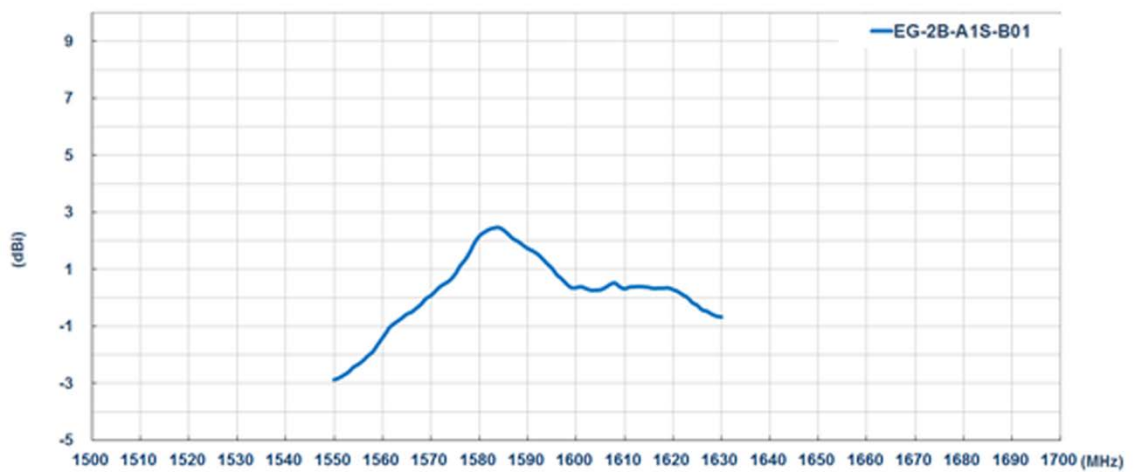
Efficiency:



Average Gain:



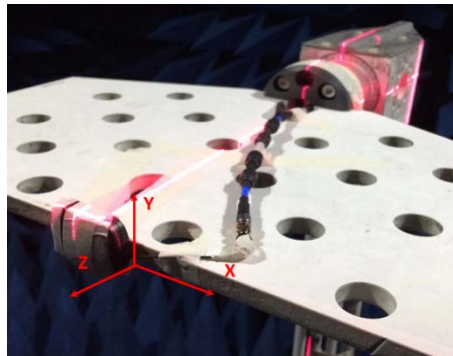
Peak Gain:



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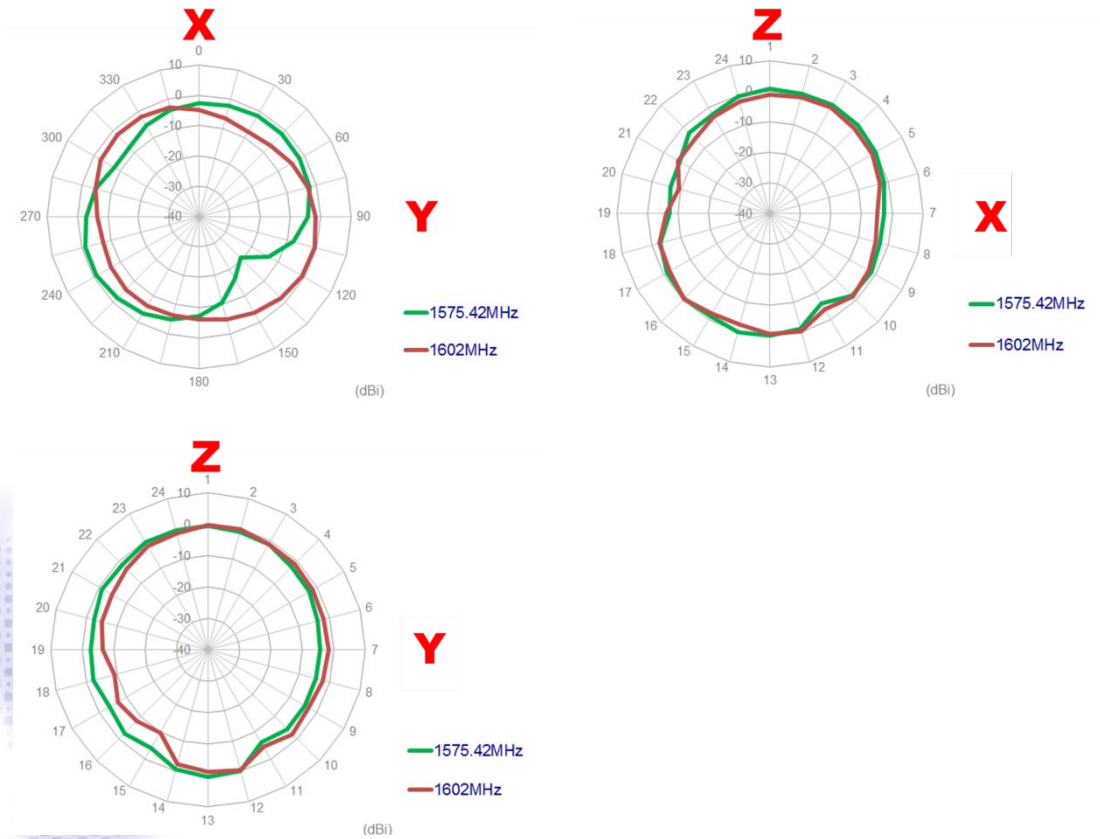
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III. Antenna Radiation Pattern Measurement:



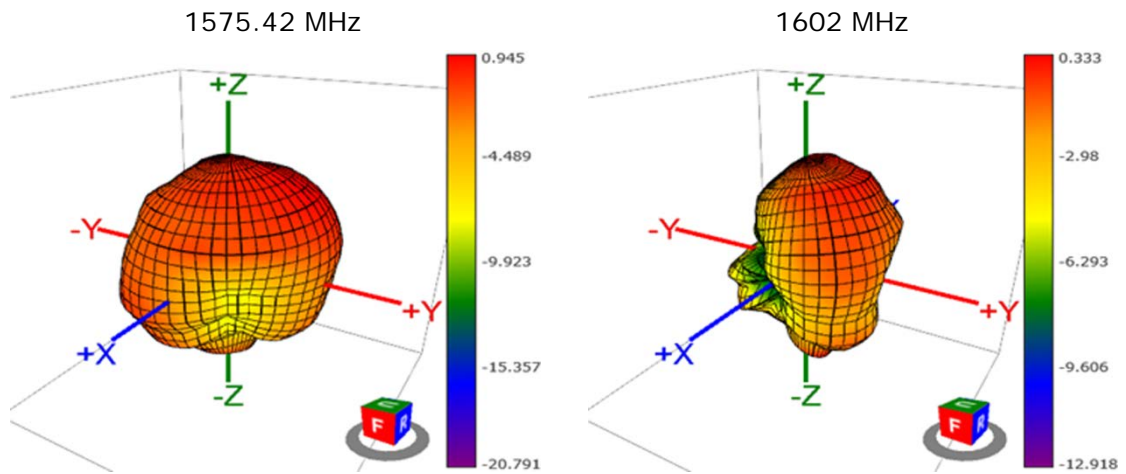
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2D Radiation Pattern



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3D Radiation Pattern



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IV. Mechanical Drawing (Unit:mm):

