

1558 - 1615 MHz GNSS Active ANTENNA

Part Numbers: 2195774-1

FEATURES & BENEFITS

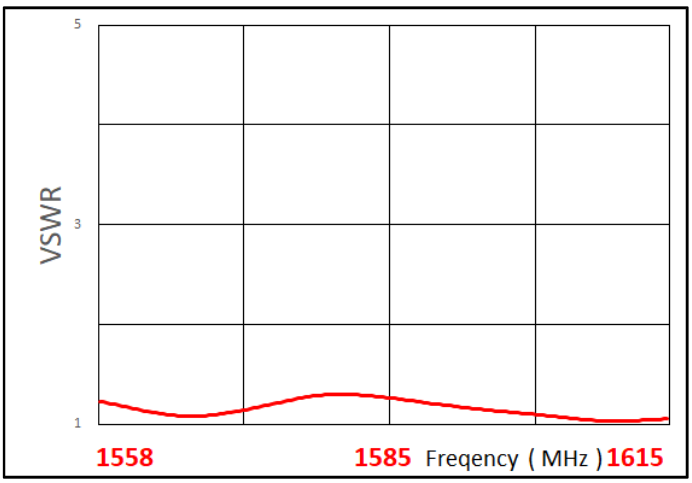
- Active External Patch Antenna
- Magnet mount antenna
- Different cable lengths and connector options available
- Minimum or no matching circuits required.

SPECIFICATIONS

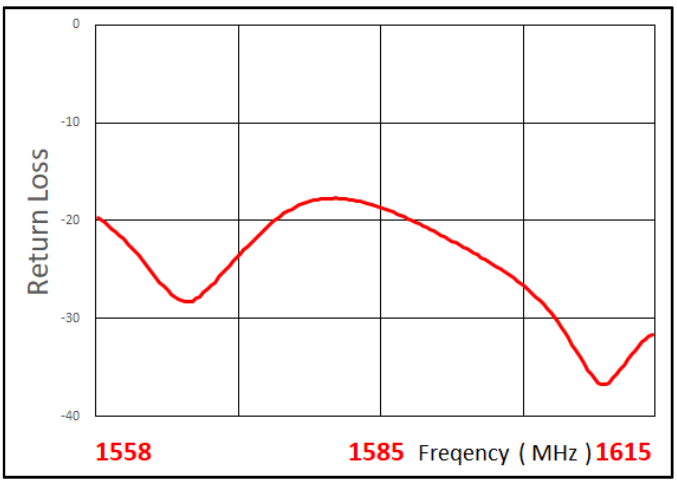
Frequency Range (MHz)	1558 ~ 1615	**Size**	49.5 x 38 x 16.9 mm
VSWR	< 2 : 1	**Weight**	66.3 g
Return Loss	< -10 dB	**Mounting**	External chassis mounting antenna
Peak Gain at Zenit	29.3±3 dBic @ 1561.098 MHz 30.8±3 dBic @ 1575.42 MHz 29.7±3 dBic @ 1602 MHz 29.8±3 dBic @ 1606 MHz	**Mating Connector**	SMA
		Cable	RG-174/U
		Cable Length	3000 mm
		Operating Temperature	-40 to +85°C
Feed Point Impedance	50 ohms unbalanced	**Storage Temperature**	-40 to +85°C
Polarization	R.H.C.P.	**Packaging Specification**	Bag & Box
Operation Voltage	3.3±0.6V		
Current (DC 3.3±0.1V)	10±3 mA		
Hazardous Materials	A certificate of conformance is available from the product page on TE website.		

RF DATA

VSWR



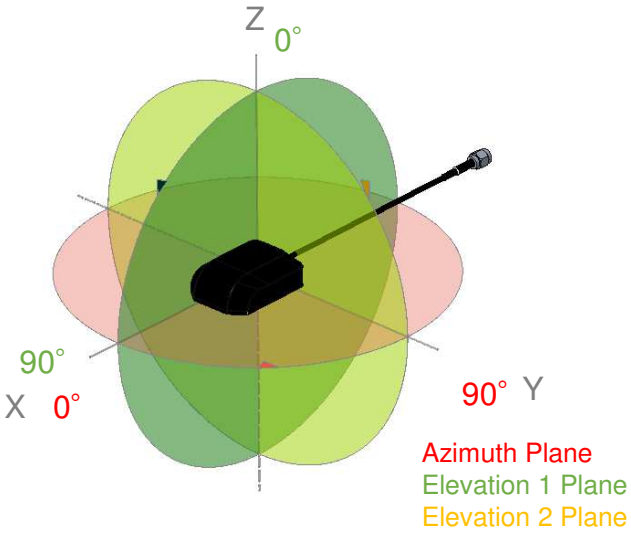
Return Loss



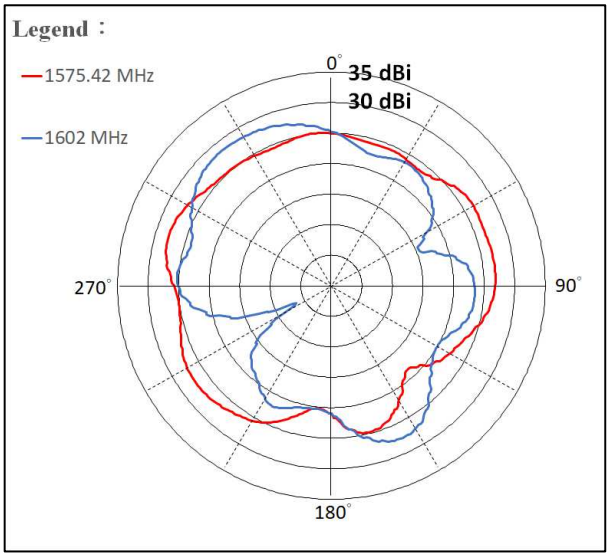
Data measured in free space without ground plane. Application data may vary.

RADIATION PATTERN

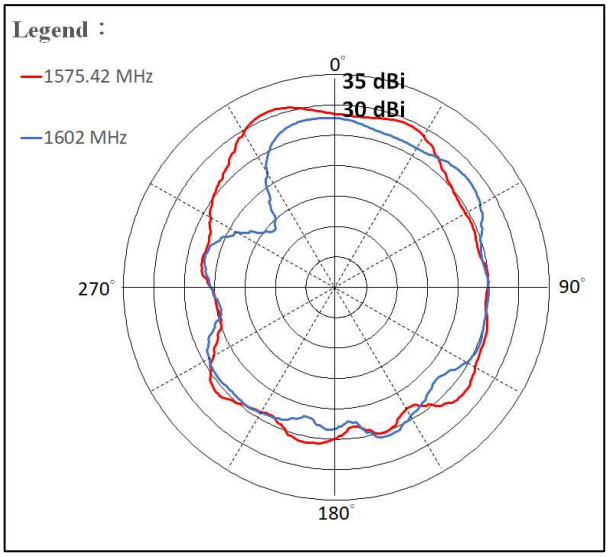
Test setup



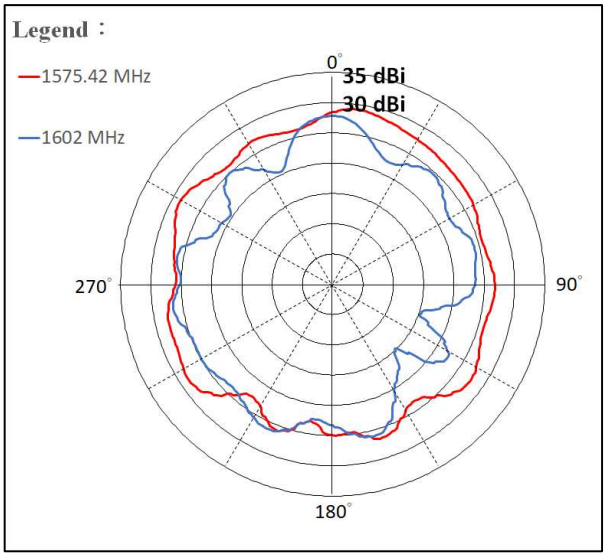
Azimuth



Elevation 1

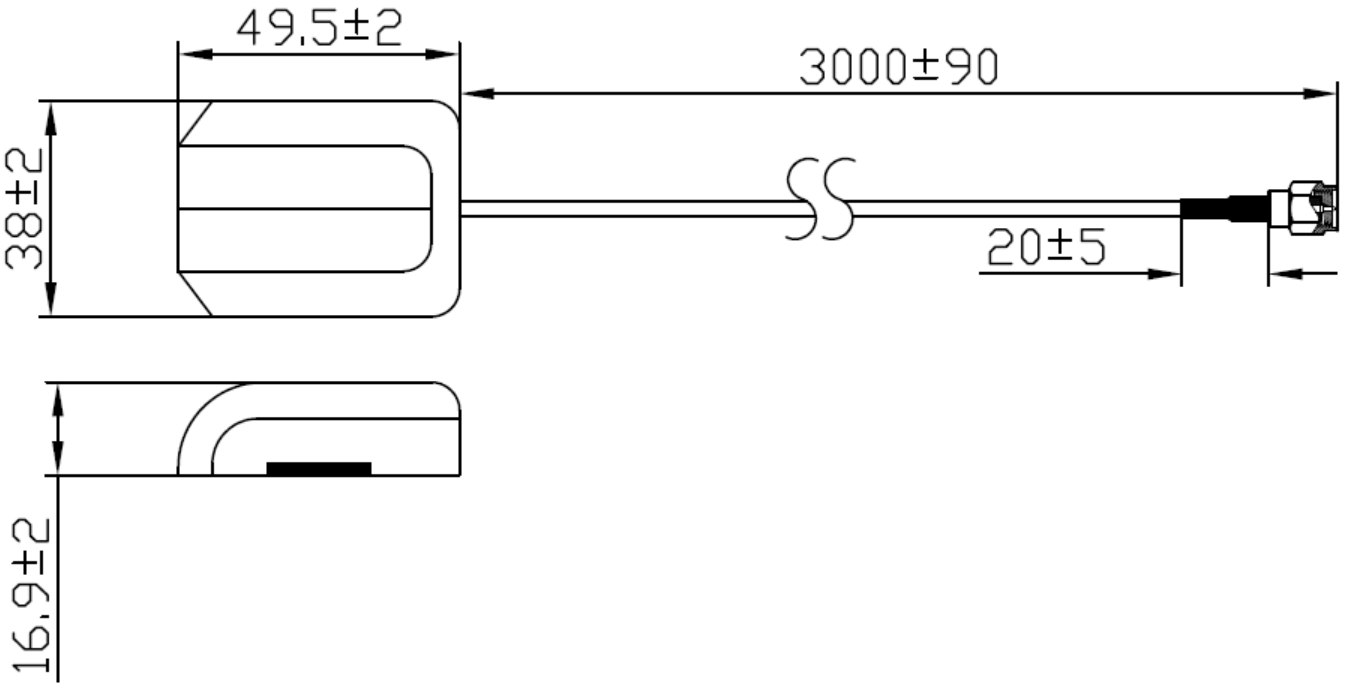


Elevation 2



Data measured in free space without ground plane. Application data may vary

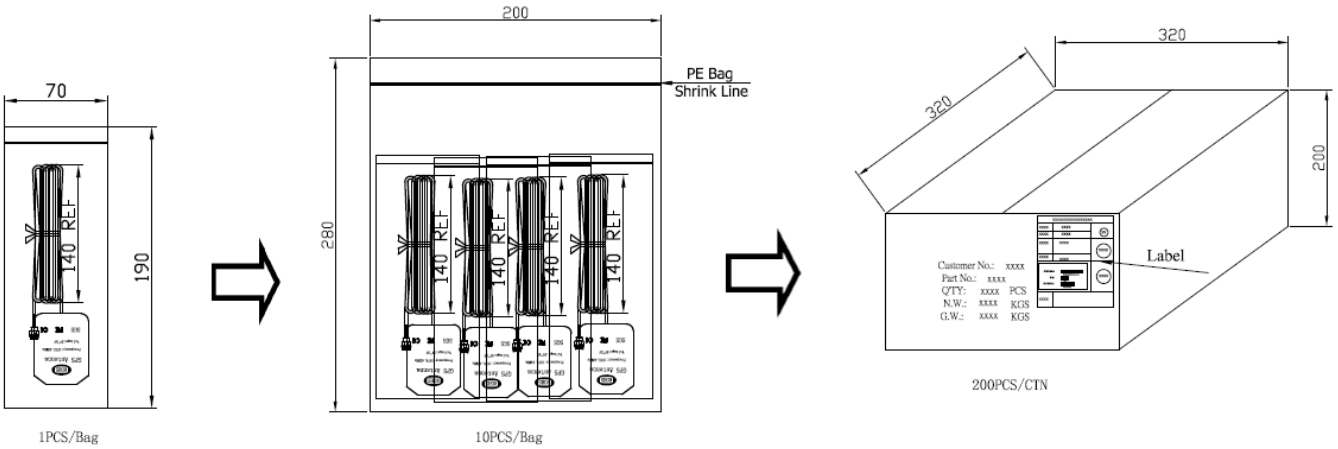
DIMENSIONS



MATING COMPONENTS

PART NUMBER	CONNECTOR TYPE	RF CONNECTOR	SMA JACK TO MICRO COAX CABLE ASSEMBLIES
		MATING COMPONENTS	
2195774-1	SMA	5-1814400-2: SMA JACK, RIGHT ANGLE  5-1814832-2: SMA JACK, VERTICAL 	2016682-2: SMA GEN1 (MHF type),1.13 cable, Length=100mm 2016682-4: SMA GEN1 (MHF type),1.13 cable, Length=200mm  2016694-2: SMA GEN4 (MHF4 type),1.13 cable, Length=100mm 2016694-4: SMA GEN4 (MHF4 type),1.13 cable, Length=200mm 

PACKAGING



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