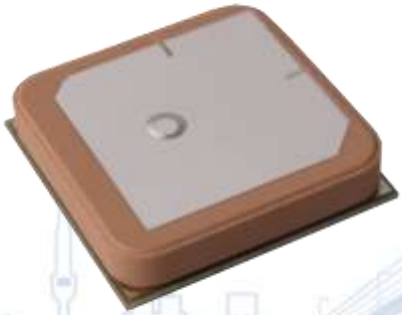
SANAV
San Jose Technology, Inc.



GNSS

RoHS Compliant

Product Name: High Gain GNSS Active Antenna Module

Part Number: AM-1-A-B02

Doc ID: WI-RD-D-156 V1.0

Feature:

- 25.2*25.2*7.9mm Compact Dimensions
- GPS & GLONASS Bands Supporting
- 2.1dB Low Noise Figure
- 40dB High Gain Perform

Application:

- High Accurate Positioning Application
- Easy for Navigation Device Integrateion

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GNSS Active Antenna Module

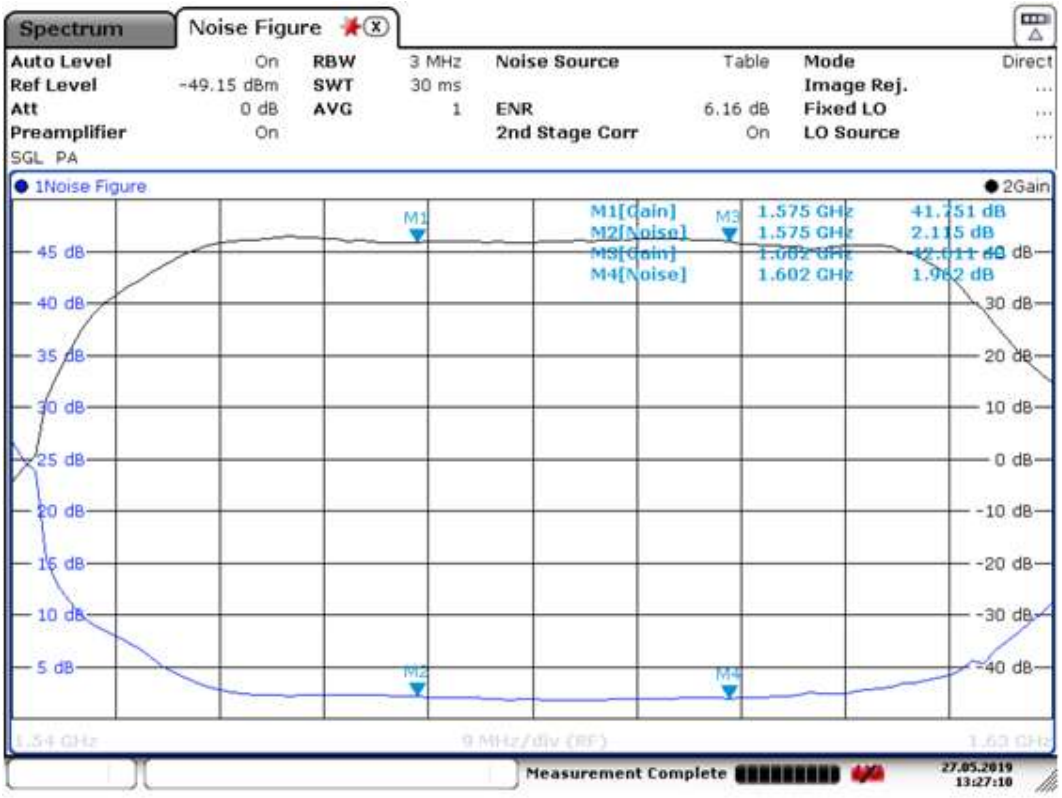
MODEL: AM-1-A-B02

I. Specifications:

Category		Specification
Patch Specification		
Frequency Range		1575.42MHz / 1602MHz
Center Frequency		1589±3 MHz
Bandwidth (10dB return loss)		1575 .42±5 MHz / 1602± 5MHz
Gain (zenith)	**1575.42 MHz**	1.7 dBi
	1602 MHz	1.2 dBi
Polarization		R.H.C.P
Filter / LNA Specification		
Frequency Range		1565 ~ 1610MHz
Gain (zenith)	**1575.42 MHz**	40±2 dB (3.3±0.1V)
	1602 MHz	40±2 dB (3.3±0.1V)
Noise Figure		2.0 dB 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		1575.42MHz / 1602MHz
Zenith Gain	**1575.42 MHz**	41.7±2 dB (3.3±0.1V)
	1602 MHz	41.2±2 dB (3.3±0.1V)
Output Impedance		50 Ω
Output V.S.W.R		2.0 max.
Operation Voltage		3.0~5.0 V
Current		10±2 mA

II. Antenna Technical Parameters:

Active Circuit – LNA Gain & N.F Measurement:



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Frequency (MHz)	Gain (dB)	Noise (dB)
1575	41.8	2.1
1602	42.6	2.0

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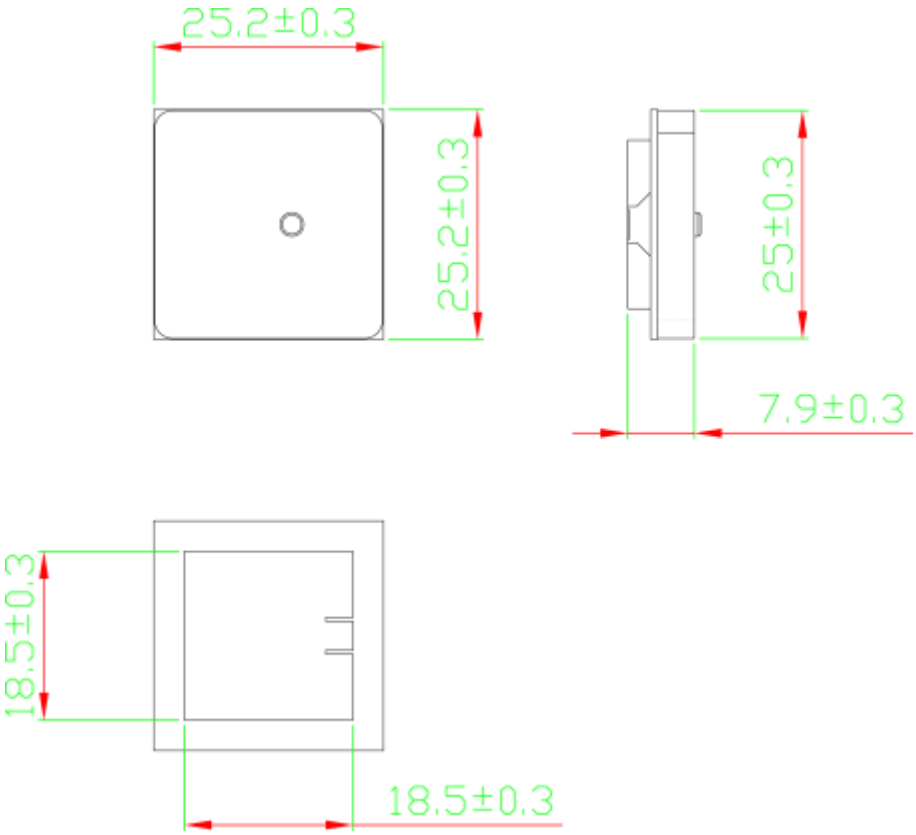
III. Mechanical Drawing (Unit:mm):



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