

AMC-ANTEF0101P

Type GNSS Flexible Polymer Antenna

Key Features

- GNSS – GPS/Galileo/GLONASS/QZSS/BeiDou
 - 1561 – 1606MHz
- Ground plane independent
- High performance
- Self-adhesive mount



Certifications:



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1. Antenna and Electrical Specifications

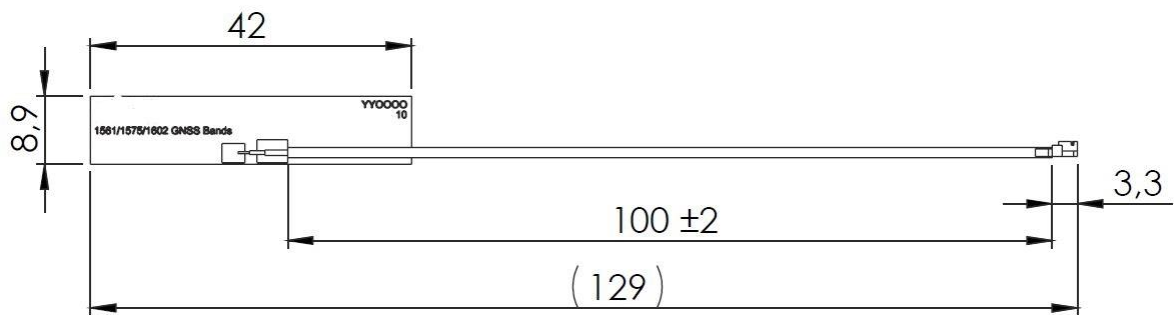
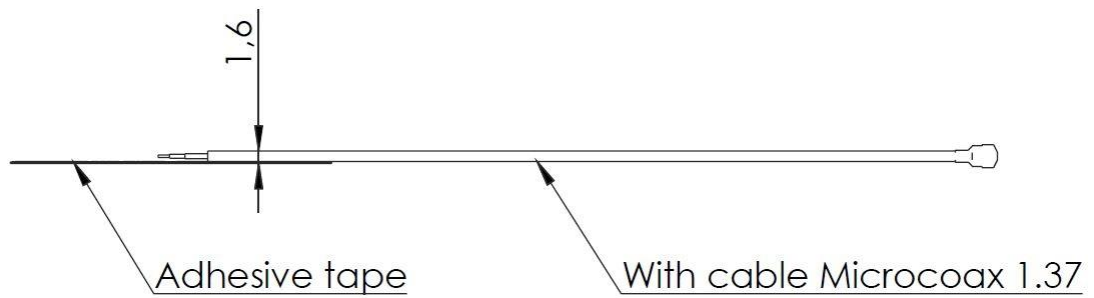
Parameters	GNSS Antenna		
Standards	BeiDou	GPS/QZSS/Galileo	GLONASS
Band (MHz)	1561	1575	1602
Frequency (MHz)	1561.098	1575.42	1598 - 1606
Return Loss (dB)	~-17.2	~-16.0	~-15.9
VSWR	~1.3:1	~1.3:1	~1.3:1
Efficiency (%)	~70	~70	~69
Peak Gain (dBi)	~2.9	~2.8	~2.9
Average Gain (dB)	~-1.5	~-1.6	~-1.6
Impedance (Ohms)	50		
Polarization	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	Specify (U.FL – standard)		
Cable Length	Any cable length (100mm – standard)		
Cable Type	Other cables available (1.37 mini coax – standard)		

Measurement Conditions:

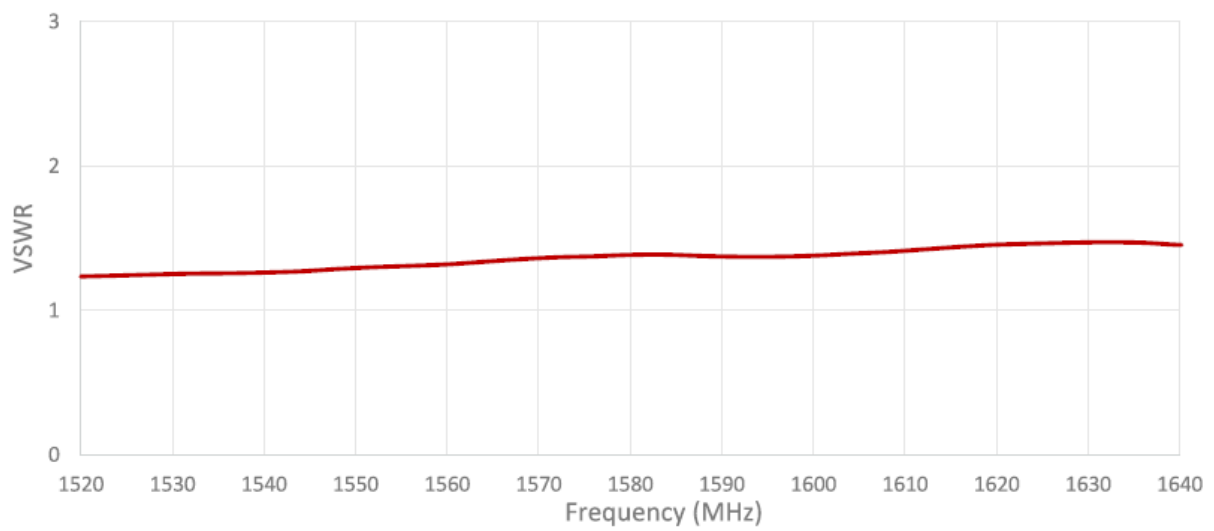
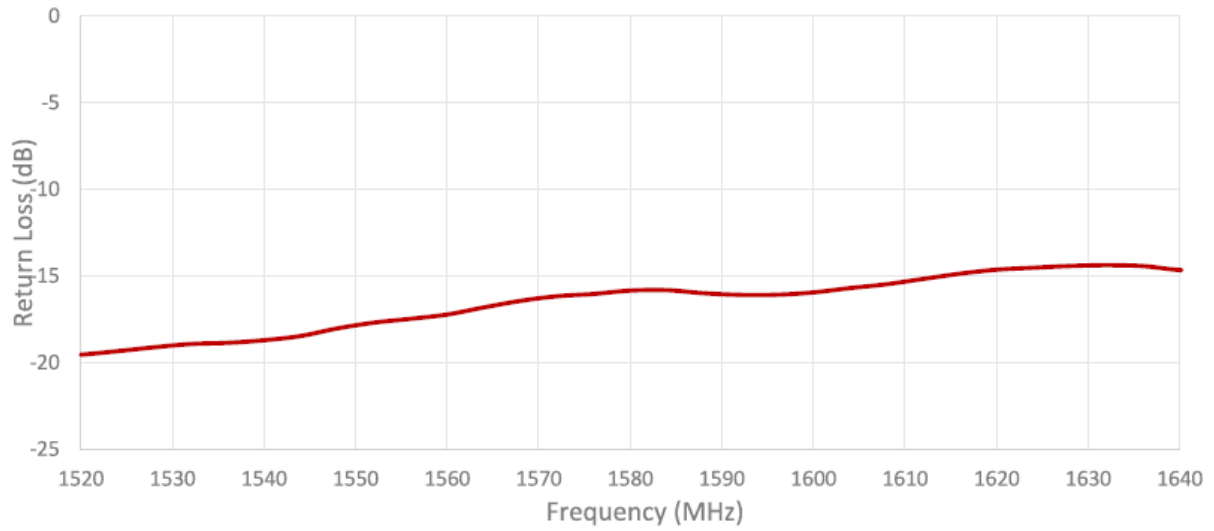
- Mounted on 300mm x 300mm x 2.5mm ABS plate
- 100mm of 1.37 mini-coax cable
- Measured in certified CTIA 3D anechoic chamber

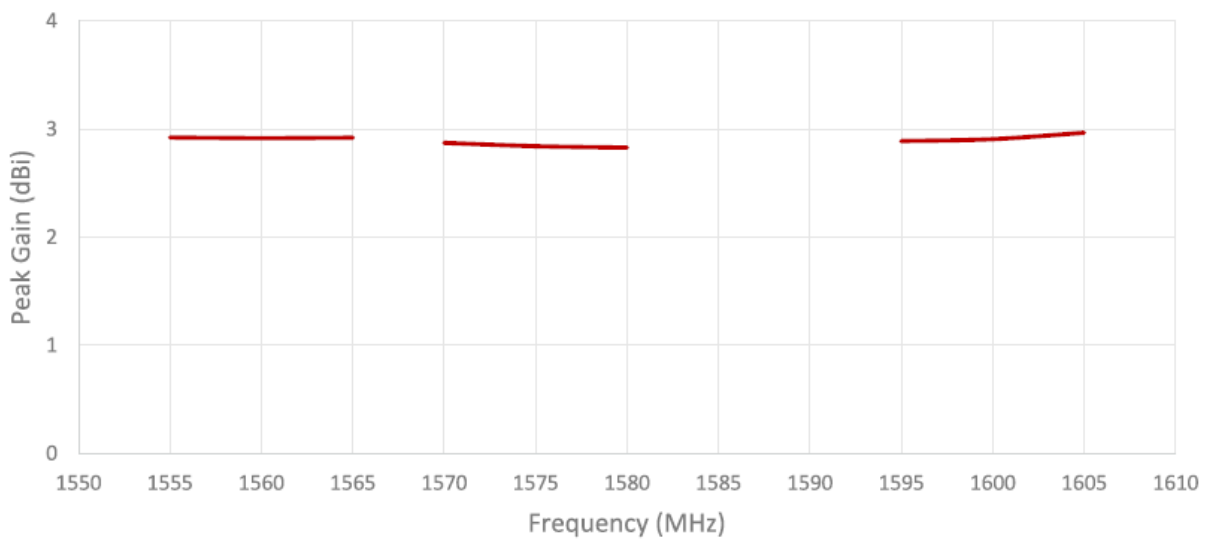
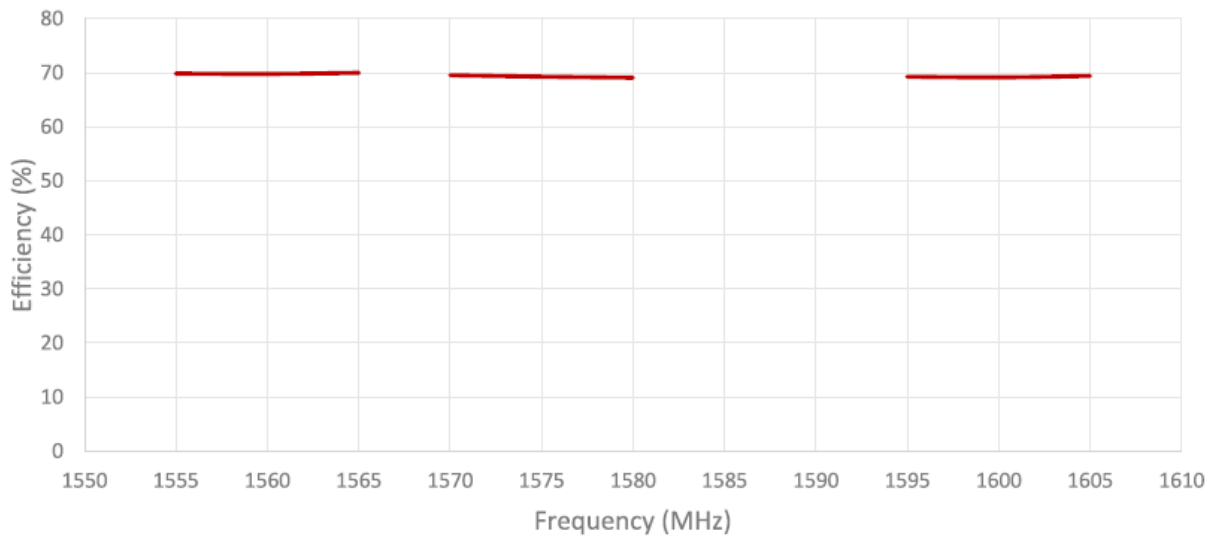
2. Mechanical and Environmental Specifications

Mounting Type	Self-adhesive
Adhesive	3M 467
Dimensions (mm)	42 x 8.9 x 0.2
Material	Flexible Polymer
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS

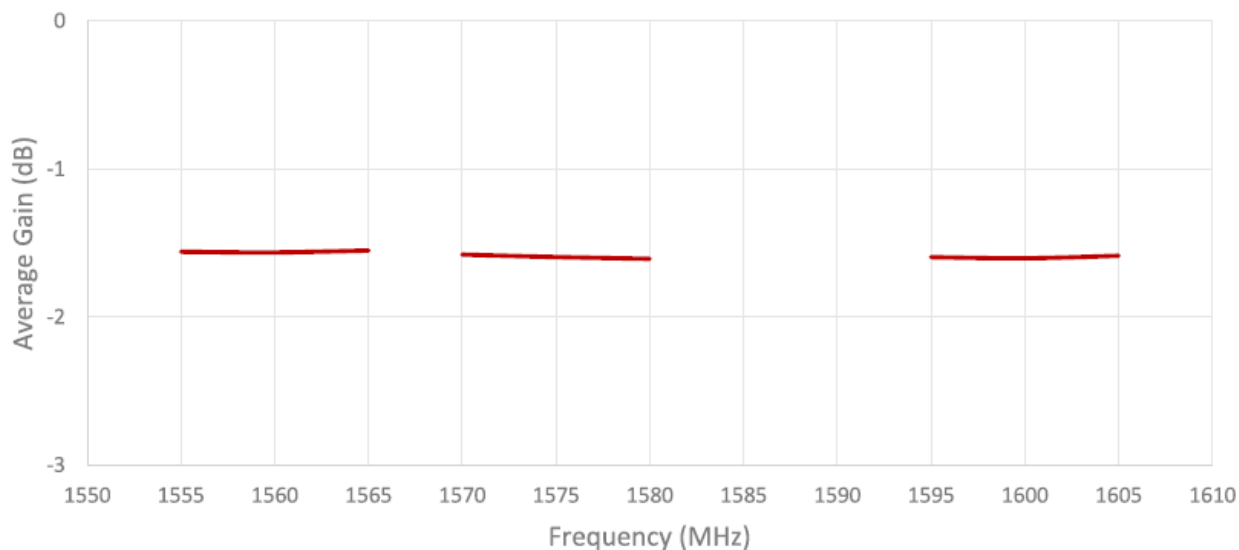


3. Antenna Parameters

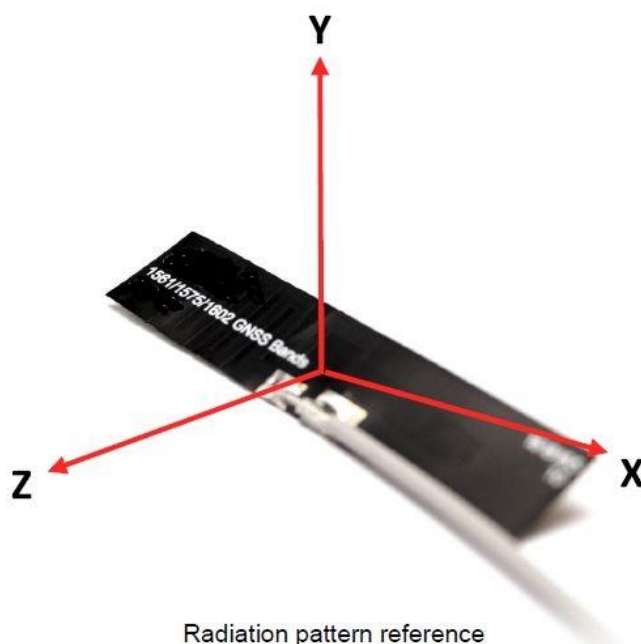


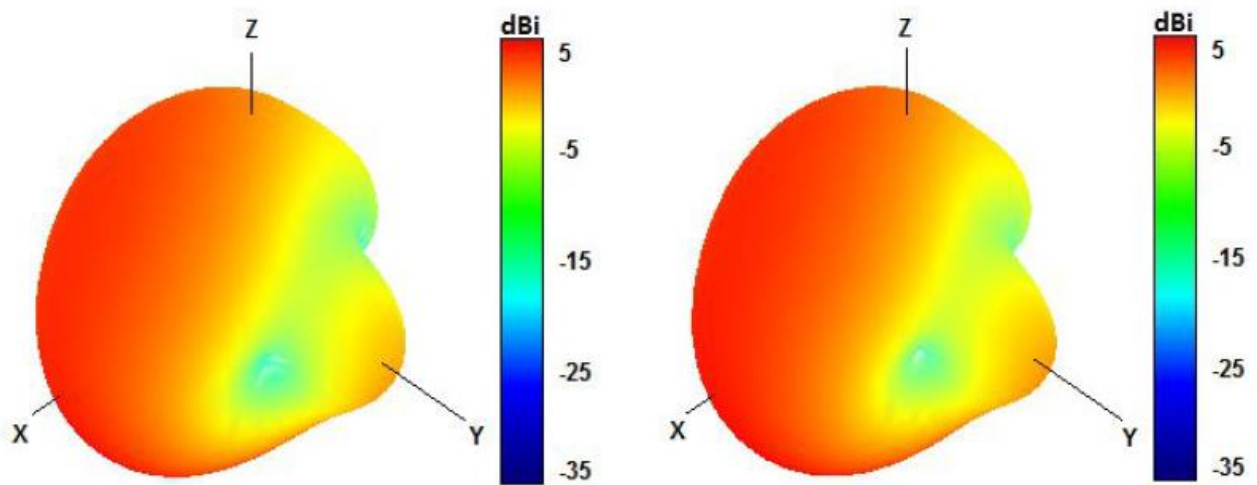


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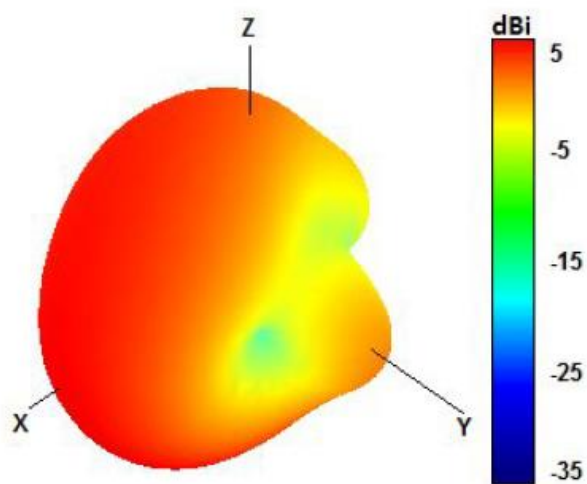


Radiation Pattern Reference





1561 and 1575 MHz Radiation pattern



1602 MHz Radiation pattern