


1. Specification

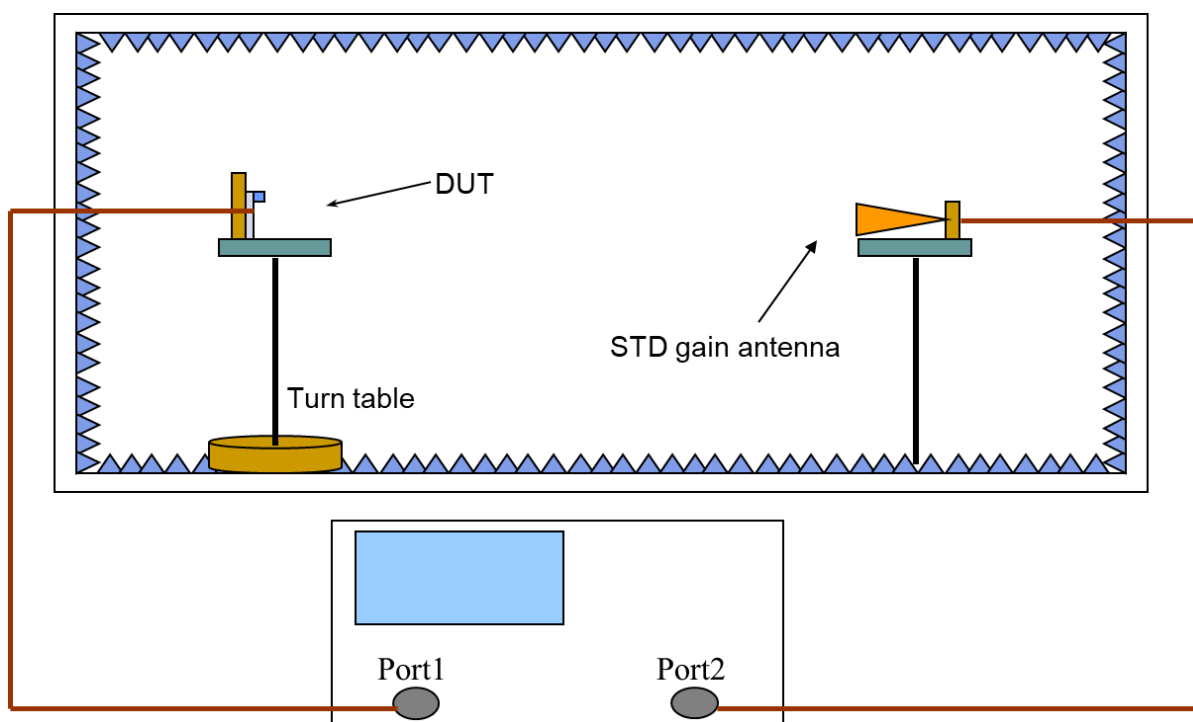
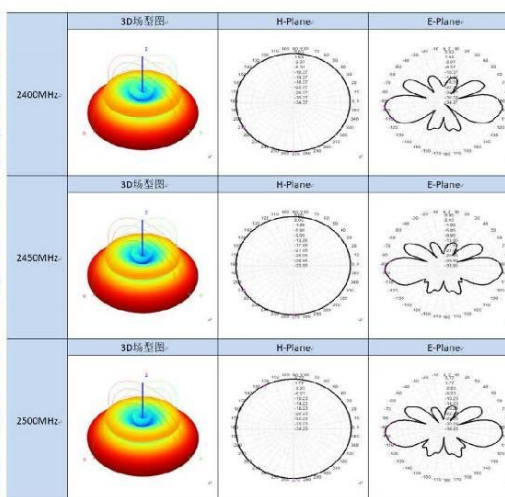
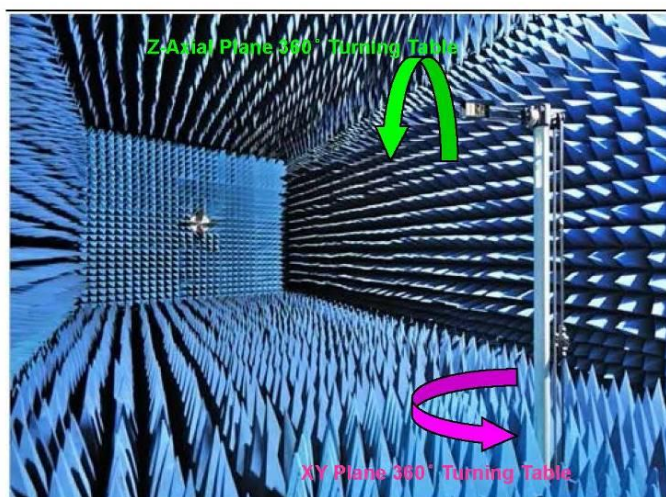
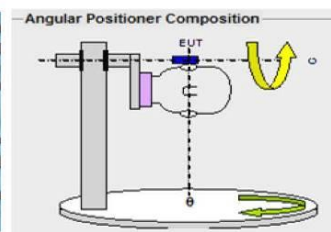
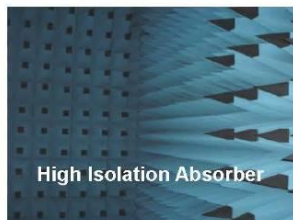
Sample Photo	
	
A. Electrical Characteristics	
Frequency	1575.42MHz
Impedance	50 Ohm
S.W.R.	<2.0
Gain	2dBi
Efficiency	≈75%
Polarization	Linear
Max Power	5W
B. Material & Mechanical Characteristics	
Connector Type	SMA connector
Dimension	Φ 13*209mm
Weight	0.02Kg
Antenna Color	Black
C. Environmental	
Operation Temperature	- 40 °C ~ + 80 °C
Storage Temperature	- 40 °C ~ + 80 °C

Test Equipment & Conditions

1. Network Analyzer: Keysight E5071C

2. 3D Chamber Test System

- .Chamber Size: 9 x 5 x 4 m³
- .Freq. Range: 0.4 ~ 18.0 GHz
- .Double Ridge Horn Antenna
- .VNA: Agilent E5071C
- .3D Turning Table and Positioner
- .ADT Solution 3D Testing Software



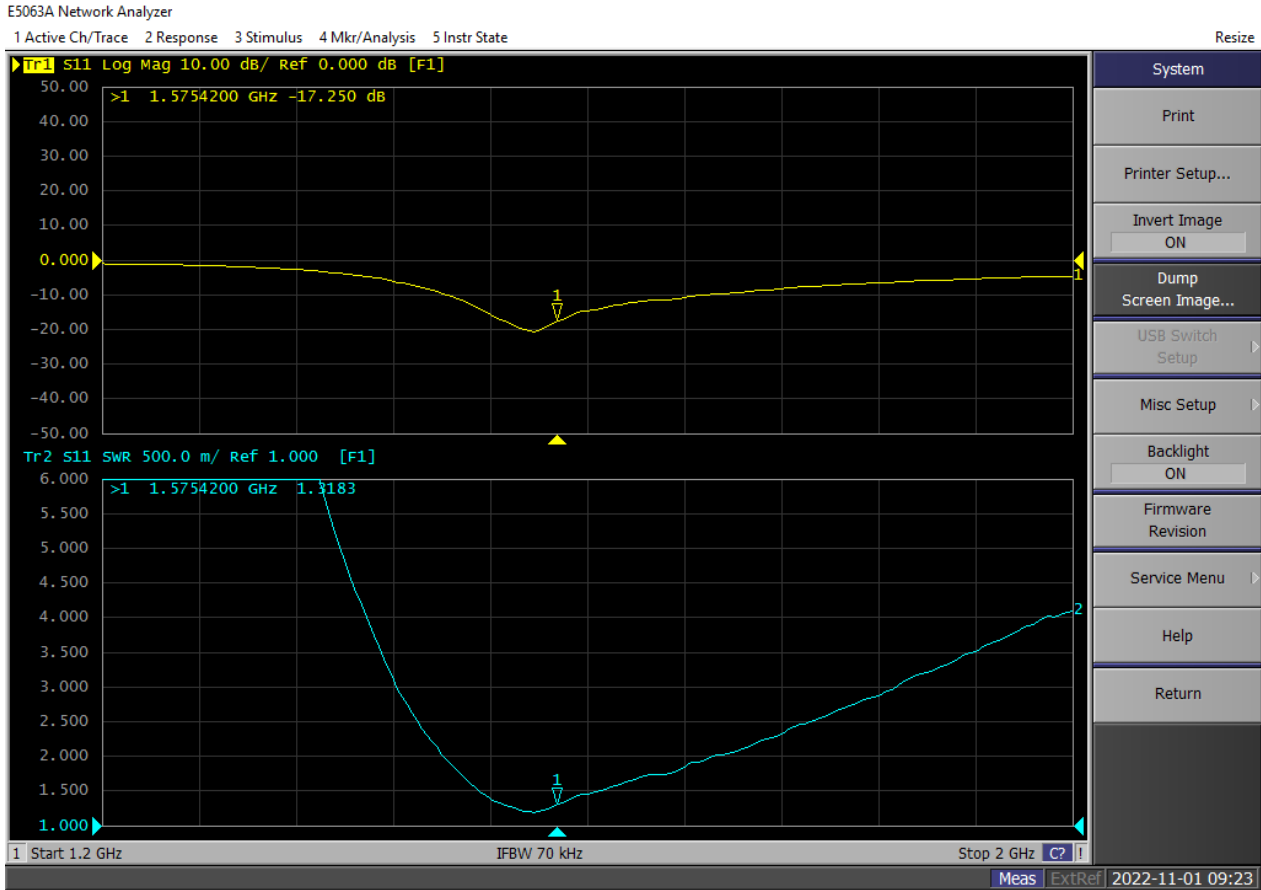


Product Number: BGS-AN1575-13209B

Product Name: GPS Passive Antenna

2. Antenna - S Parameter Test Data

2.1. VSWR



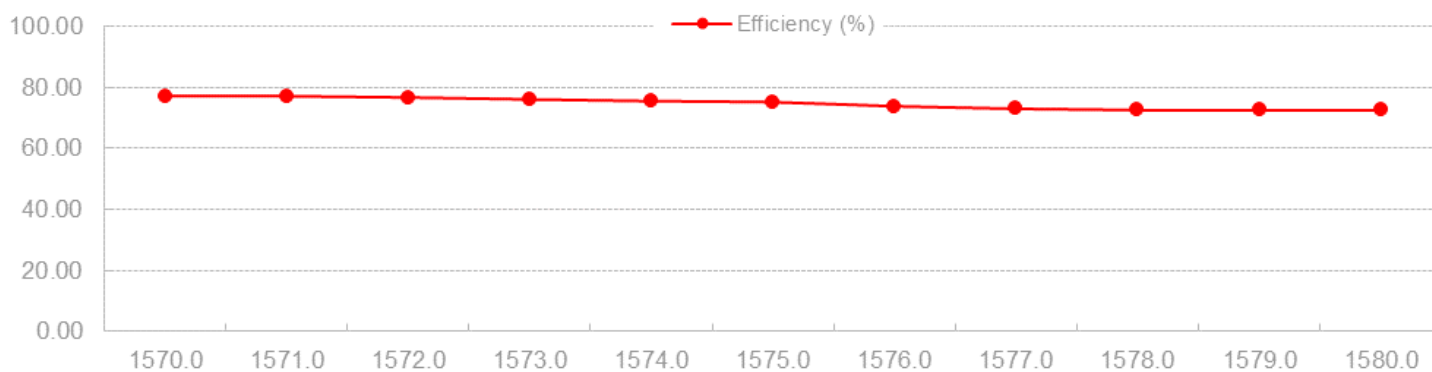


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2.2 Total Efficiency & Gain:

Frequency (MHz)	1570.0	1571.0	1572.0	1573.0	1574.0	1575.0	1576.0	1577.0	1578.0	1579.0	1580.0
Gain (dBi)	2.07	2.05	2.02	1.97	1.94	1.91	1.82	1.77	1.74	1.72	1.72
Efficiency (%)	77.01	76.91	76.51	75.93	75.37	75.05	73.79	72.99	72.59	72.48	72.48





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2.3 Radiation Pattern

	3D	2D-Horizontal	2D-Vertical
1570M Hz			
1575M Hz			
1580M Hz			



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3. Mechanical Drawing

