


Product Number: BGS-AN2458-979723G

Product Name: Flat Panel Antenna 2.4G & 5.8GHz 10.5dBi

1. Specification

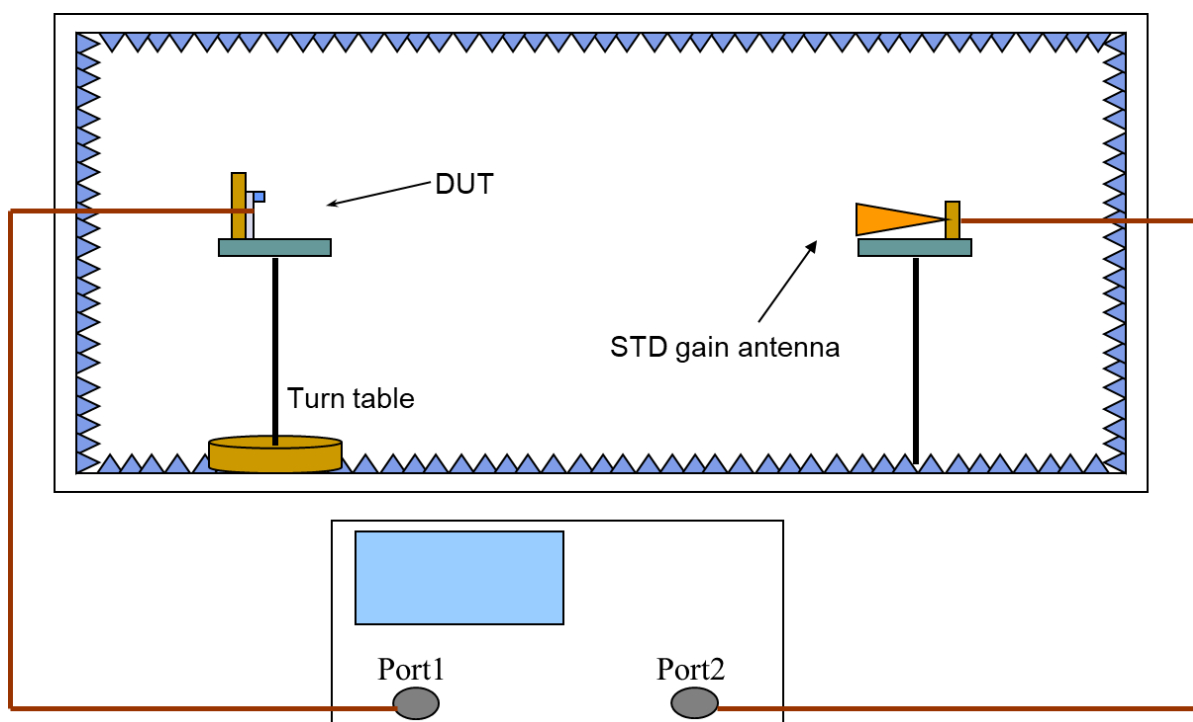
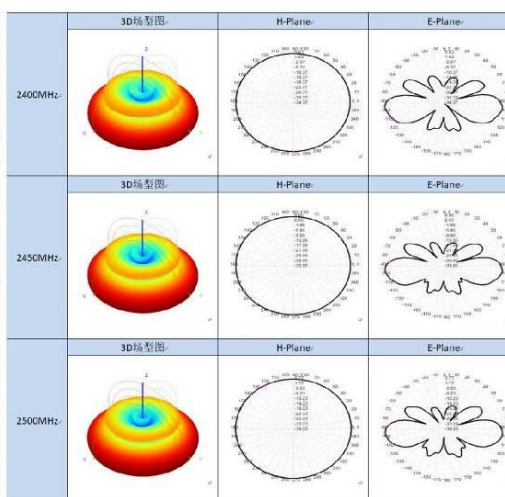
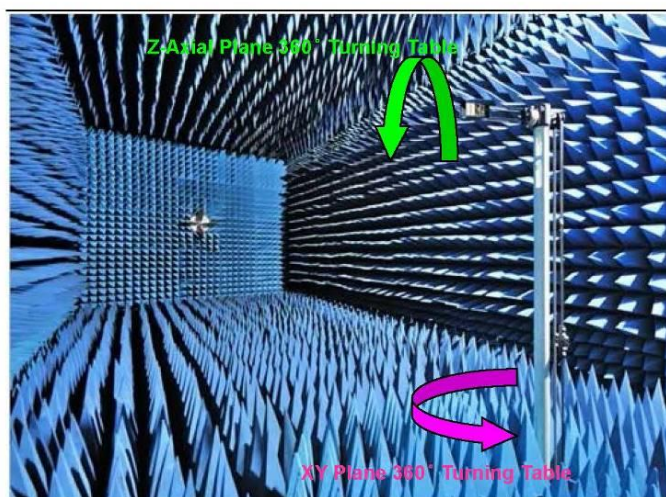
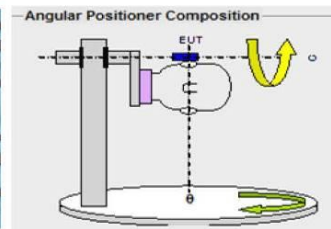
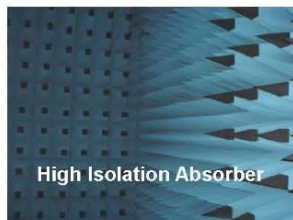
Sample Photo		
		
A. Electrical Characteristics		
Frequency	2400-2500MHz	5150-5850MHz
S.W.R.	<2.0	<2.0
Antenna Gain	9dBi	10.5dBi
Polarization	Vertical	Vertical
Horizontal Beamwidth	82±3°	55±5°
Vertical Beamwidth	63±2°	50±5°
F/B	>18dB	>14dB
Impedance	50Ohm	50Ohm
Max. Power	50W	50W
B. Material & Mechanical Characteristics		
Connector Type	N connector	
Dimension	97*97*23mm	
Radome material	ABS	
Weight	0.11Kg	
C. Environmental		
Operation Temperature	- 40 °C ~ + 85 °C	
Storage Temperature	- 40 °C ~ + 85 °C	
Operation Humidity	< 95%	
Rated Wind Velocity	36.9m/s	

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



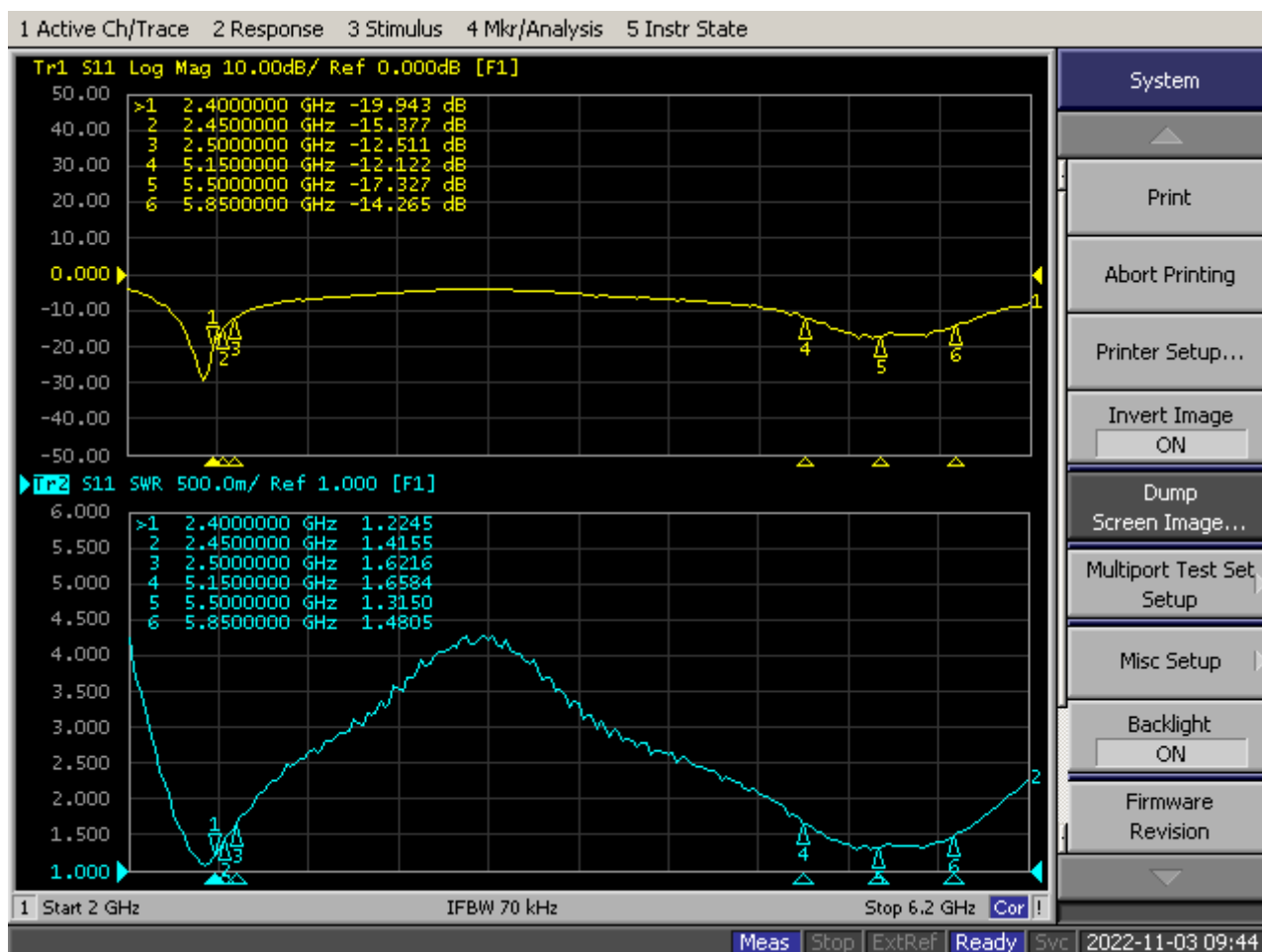


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2. Antenna - S Parameter Test Data

2.1 VSWR





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2.2 Gain:

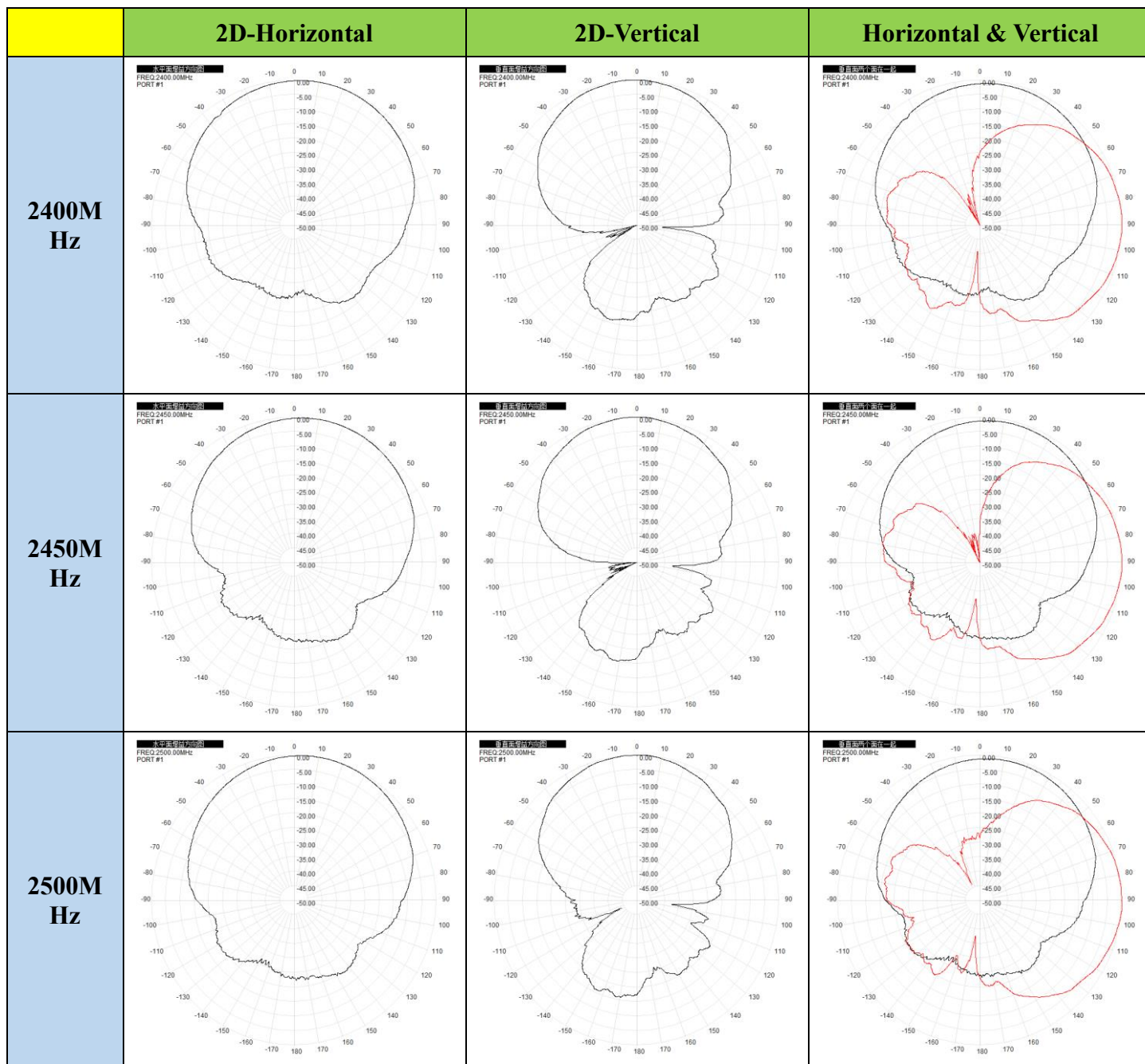
Frequency(MHz)	Gain(dBi)
2400	8.9
2410	8.9
2420	8.8
2430	8.7
2440	8.7
2450	8.6
2460	8.6
2470	8.6
2480	8.5
2490	8.5
2500	8.5
5150	10.3
5200	10.2
5250	9.9
5300	9.8
5350	9.7
5400	9.4
5450	9.4
5500	9.5
5550	9.7
5600	9.8
5650	9.8
5700	10.2
5750	10.6
5800	10.1
5850	10.2



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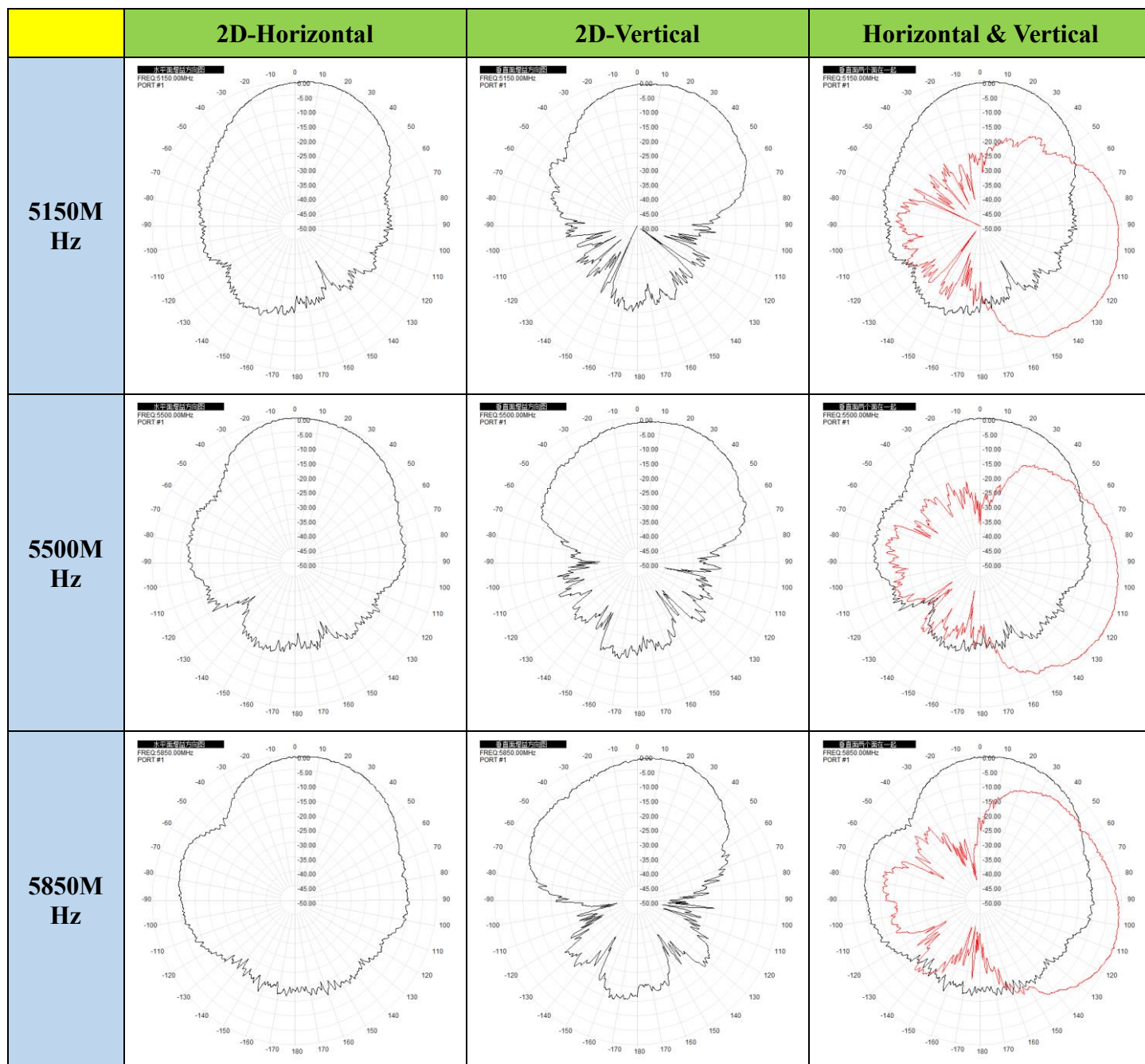
2.3 Radiation Pattern





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