




Product Number: BGS-AN3700-979723G

Product Name: Flat Panel Antenna 3700-4200MHz 10dBi

1. Specification

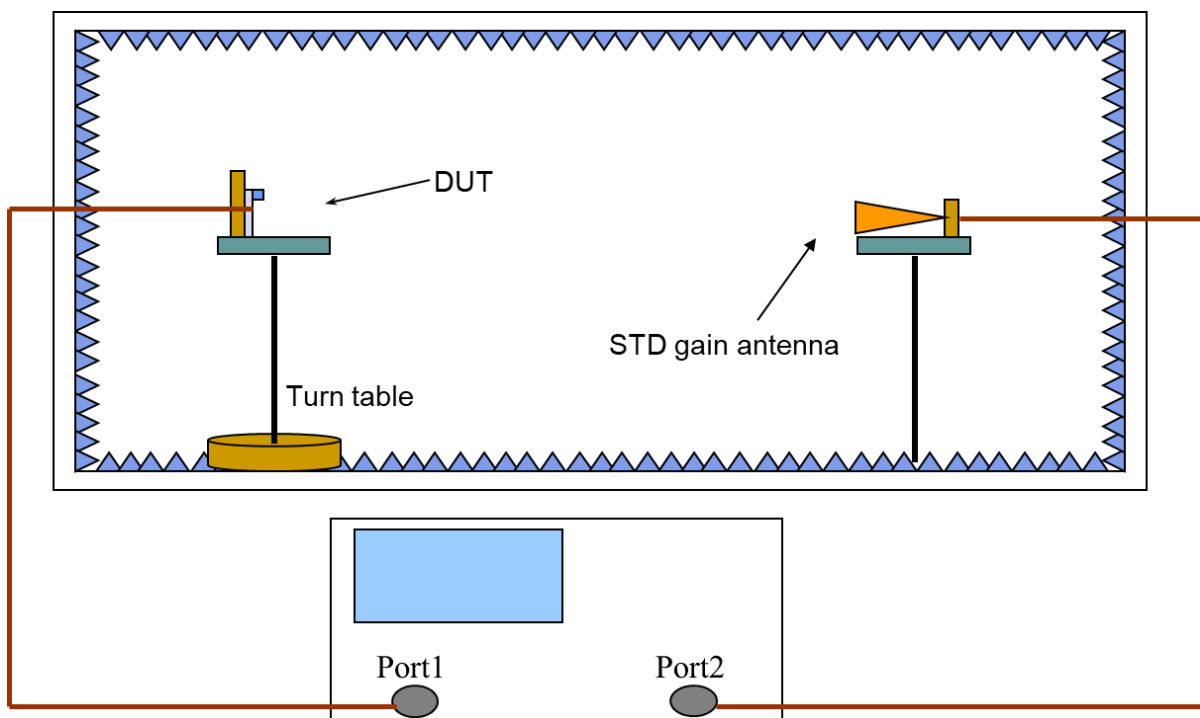
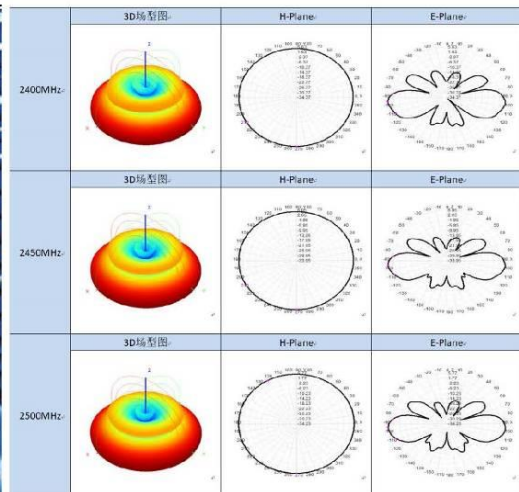
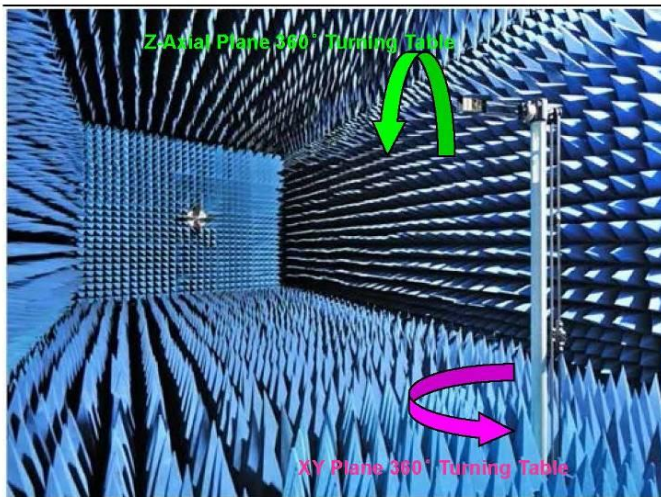
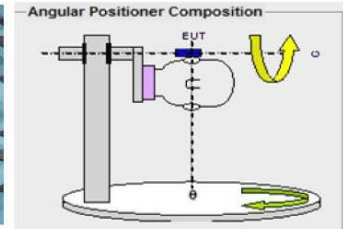
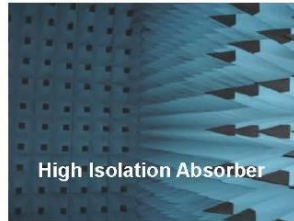
Sample Photo	
	
A. Electrical Characteristics	
Frequency	3700-4200MHz
S.W.R.	<1.6
Antenna Gain	10dBi
Polarization	Vertical
Horizontal Beamwidth	73±3°
Vertical Beamwidth	68±13°
F/B	>16dB
Impedance	50Ohm
Max. Power	50W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Dimension	97*97*23mm
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

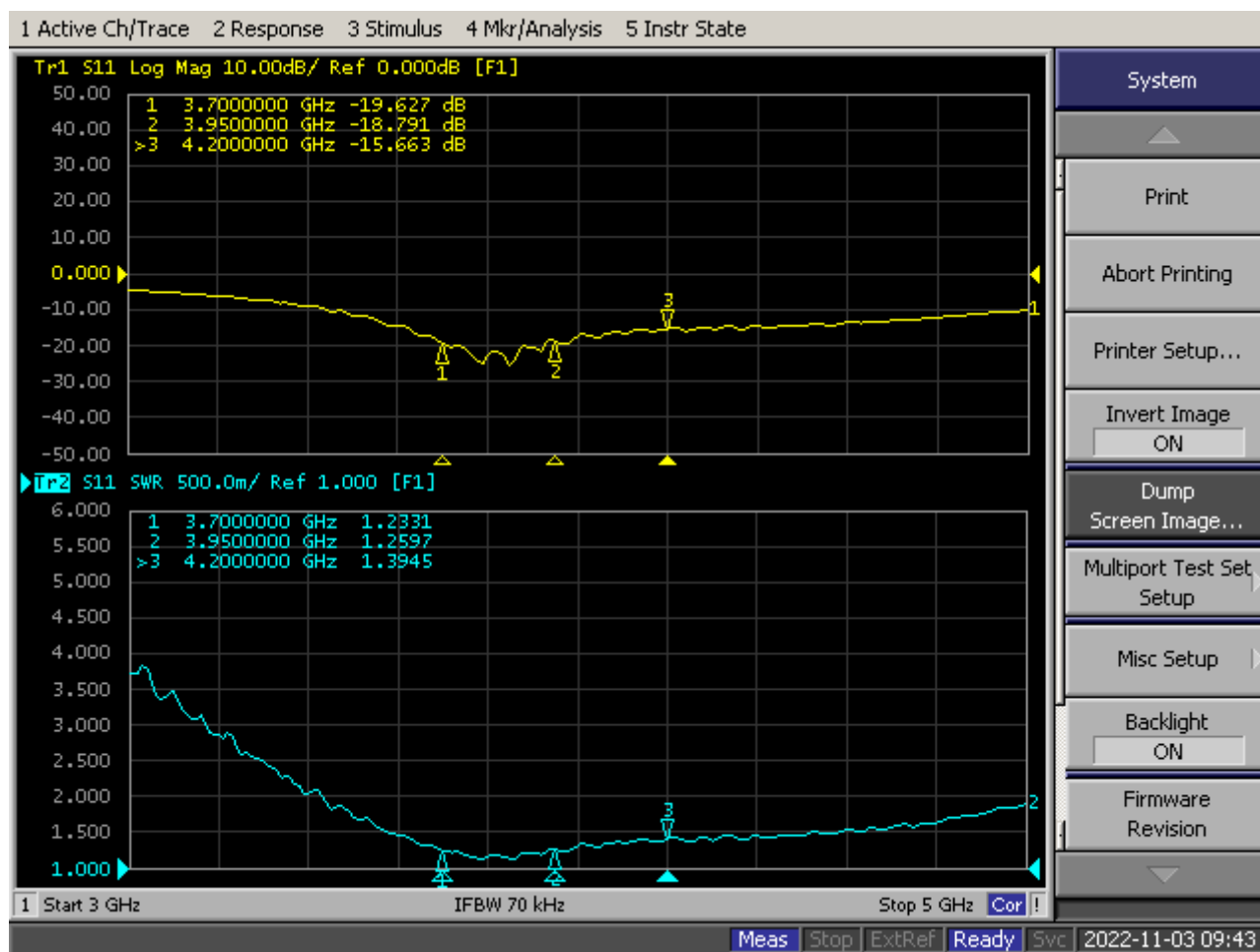




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2. Antenna - S Parameter Test Data

2.1 VSWR





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2.2 Gain:

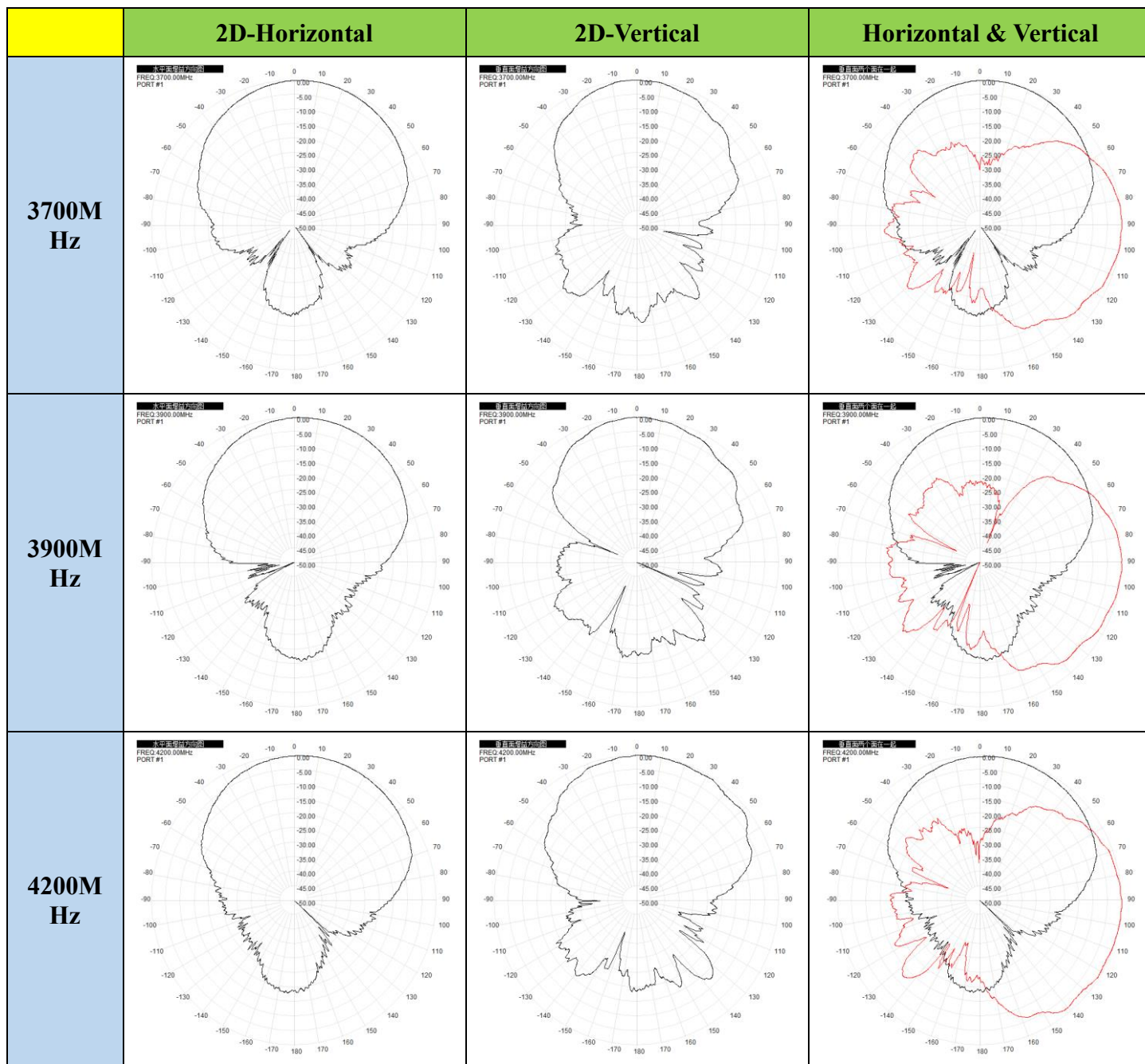
Frequency(MHz)	Gain(dBi)
3700	9.8
3750	9.7
3800	9.8
3850	9.9
3900	9.9
3950	9.9
4000	9.6
4050	9.8
4100	9.6
4150	9.3
4200	9.0



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2.3 Radiation Pattern

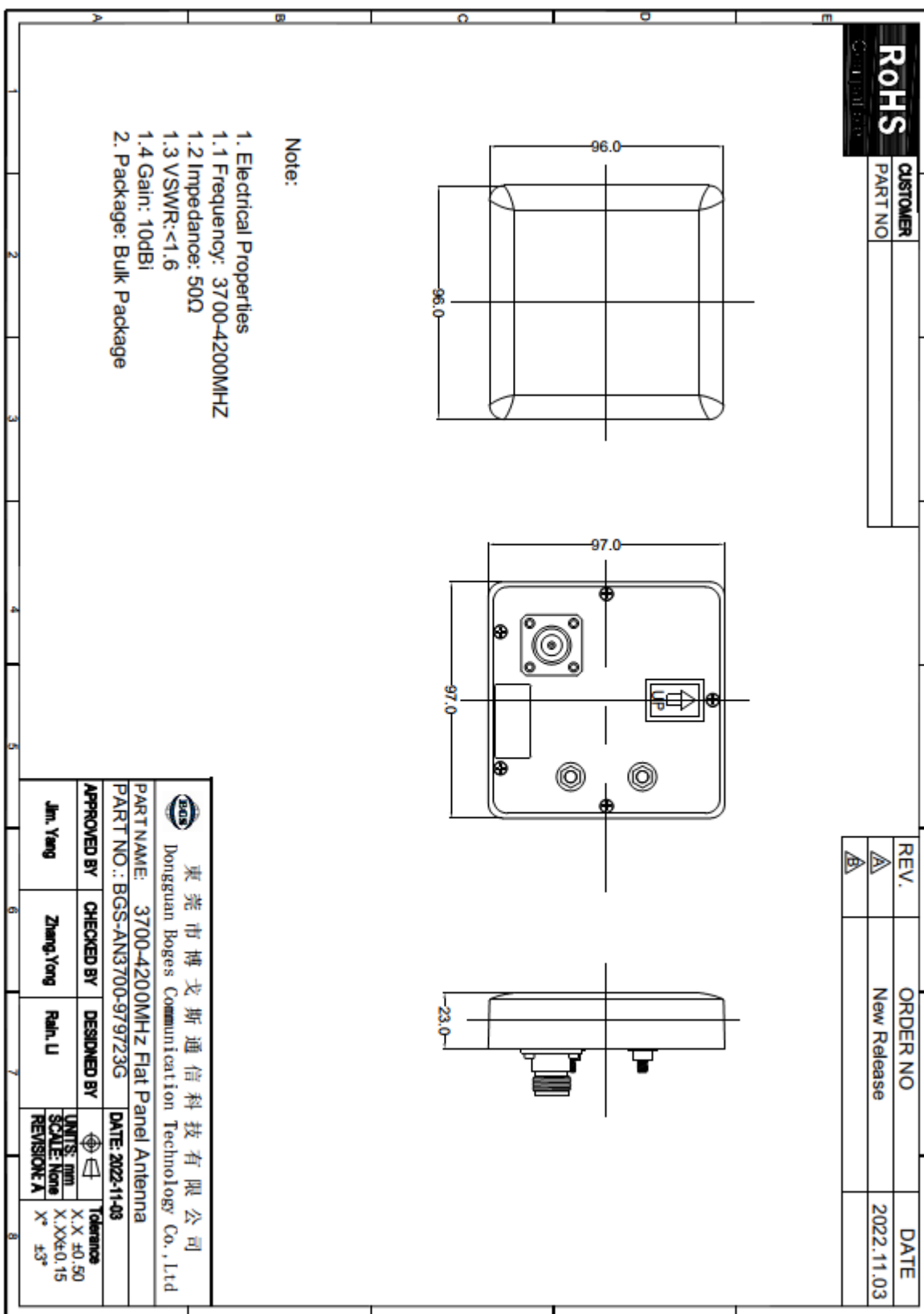




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3. Mechanical Drawing





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