




Product Number: BGS-AN3700-14012025C
Product Name: 3.7-4.2Ghz UWB Flat Panel Antenna 11dBi

1. Specification

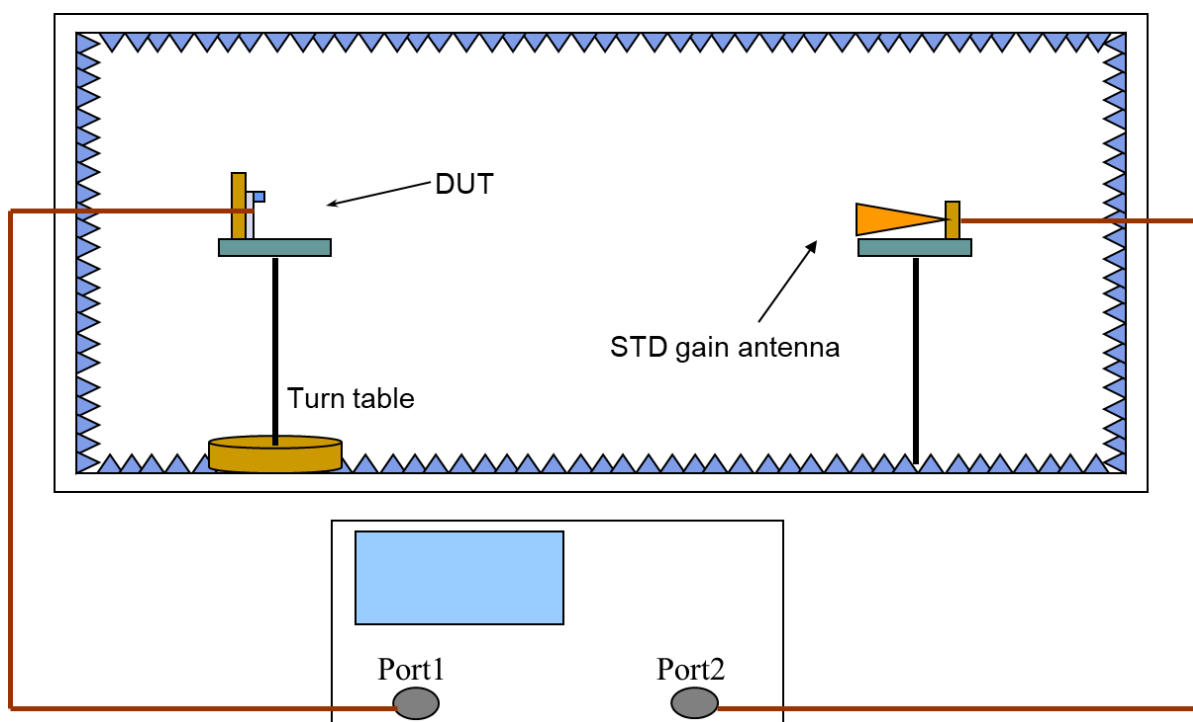
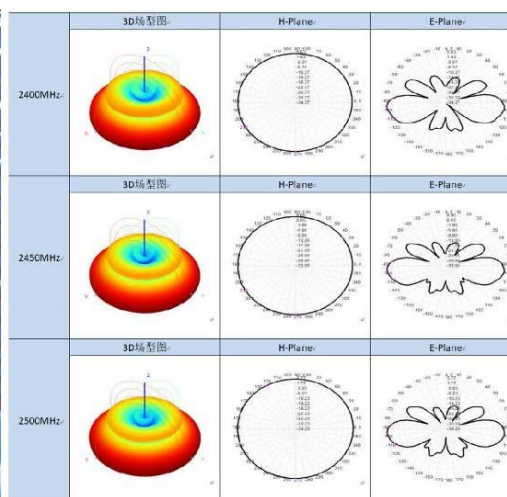
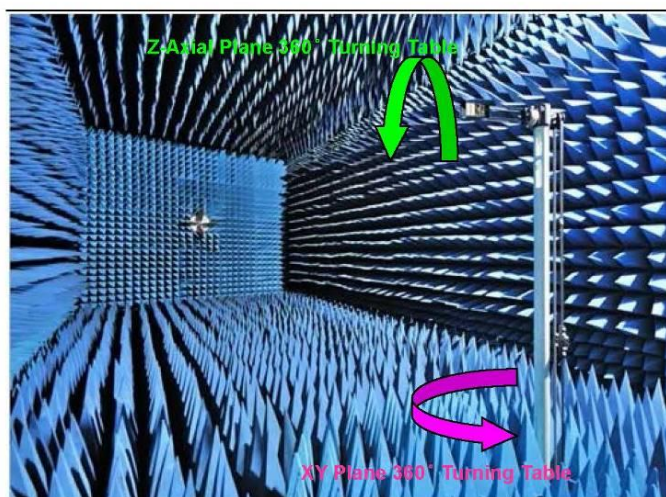
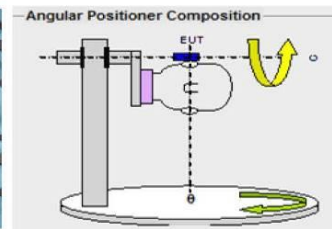
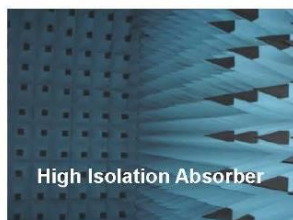
Sample Photo	
	
A. Electrical Characteristics	
Frequency	3700-4200MHz
S.W.R.	<= 1.8
Antenna Gain	11dBi
Polarization	Vertical
Horizontal Beamwidth	36-40°
Vertical Beamwidth	31-44°
F/B	>21dB
Impedance	50Ohm
Max. Power	50W
B. Material & Mechanical Characteristics	
Cable Type	Mine Cable, length 1 meter
Connector Type	SMA connector
Dimension	140*120*25mm
Radome material	ABS
Weight	0.475Kg
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

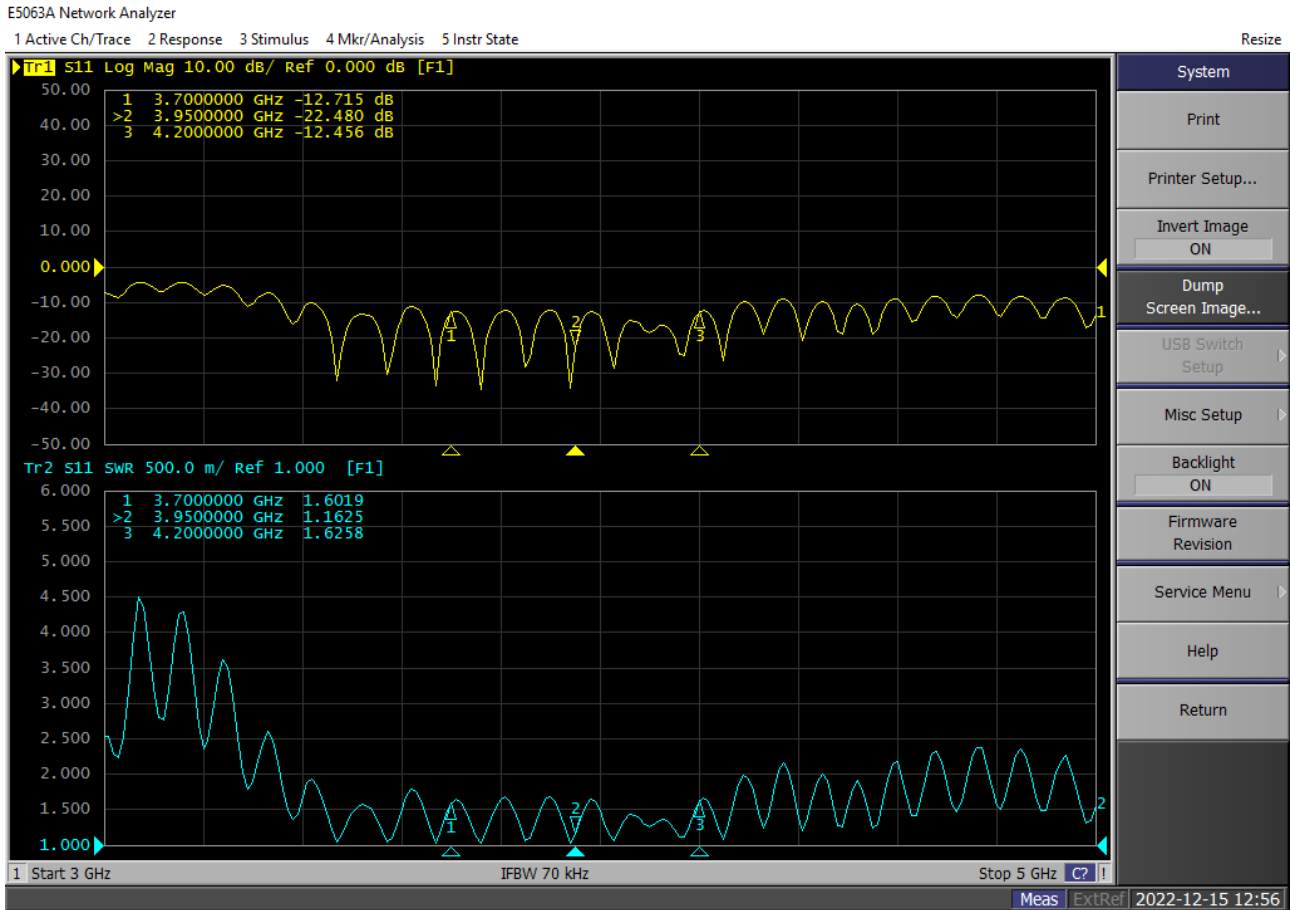




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2. Antenna - S Parameter Test Data

2.1 VSWR





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2.2 Gain:

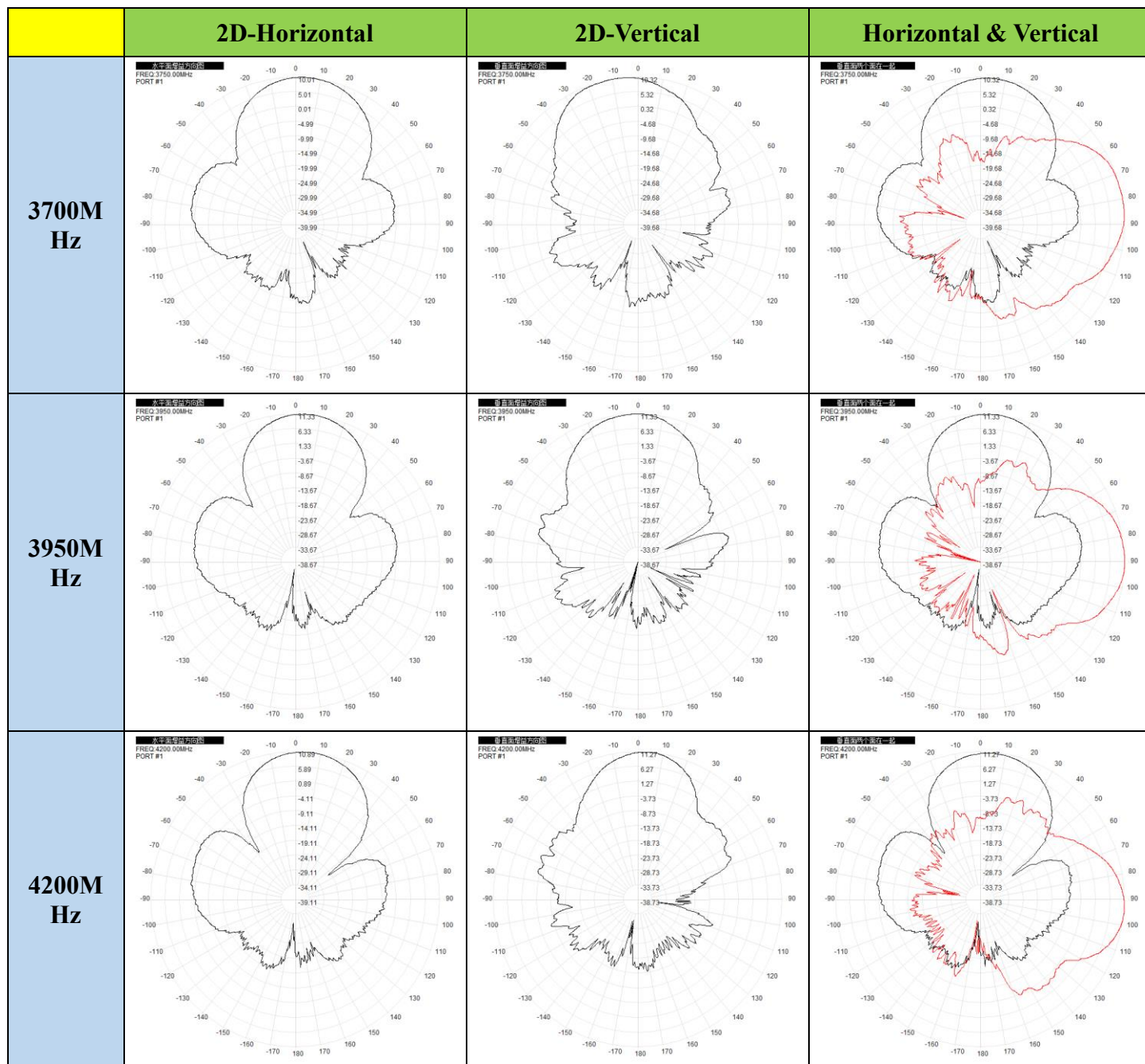
Frequency (MHz)	3700.0	3750.0	3800.0	3850.0	3900.0	3950.0	4000.0	4050.0	4100.0	4150.0	4200.0
Gain (dBi)	10.202	10.324	10.2	10.701	10.989	11.335	11.454	11.097	11.166	11.397	11.274



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2.3 Radiation Pattern

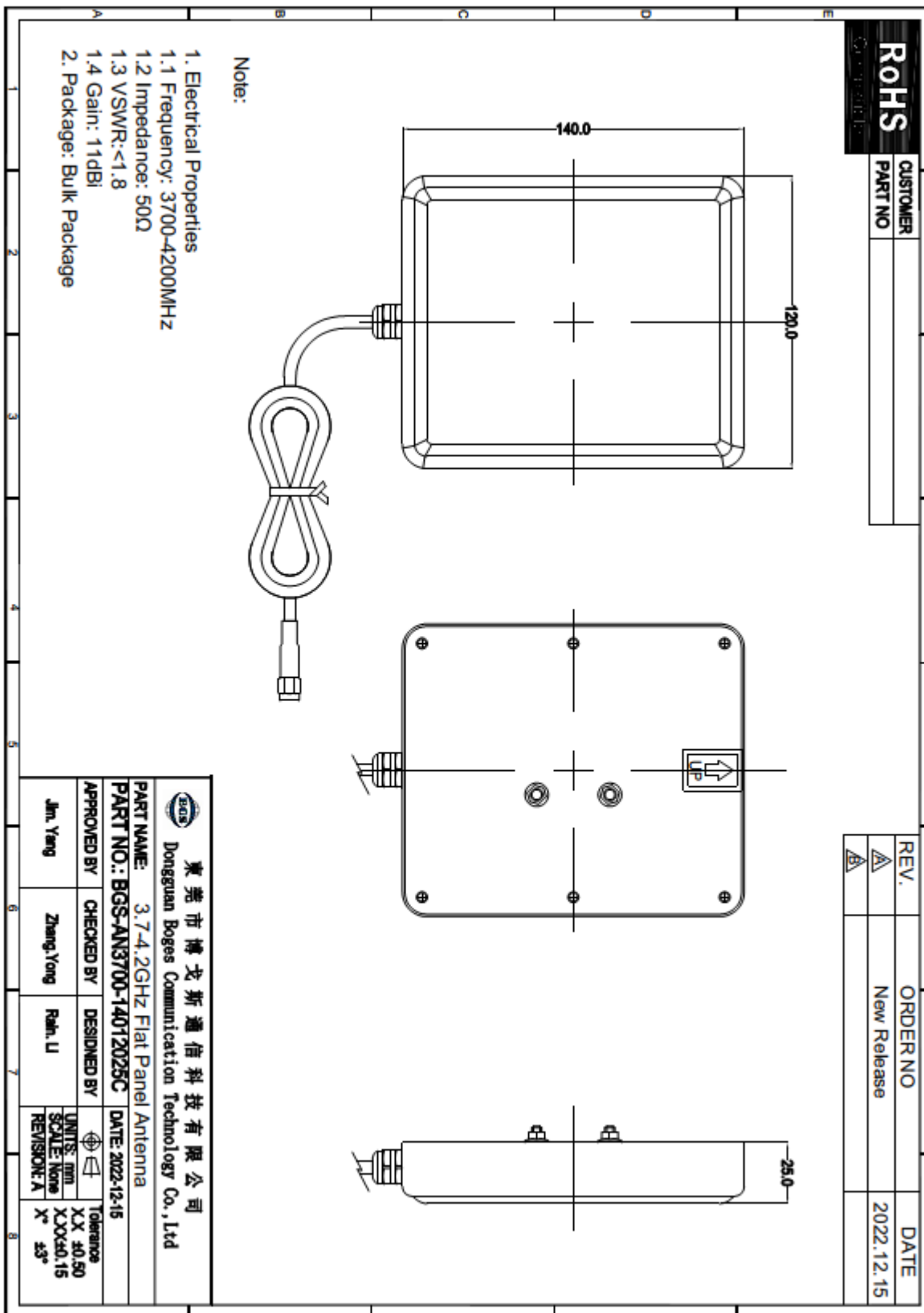




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3. Mechanical Drawing





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