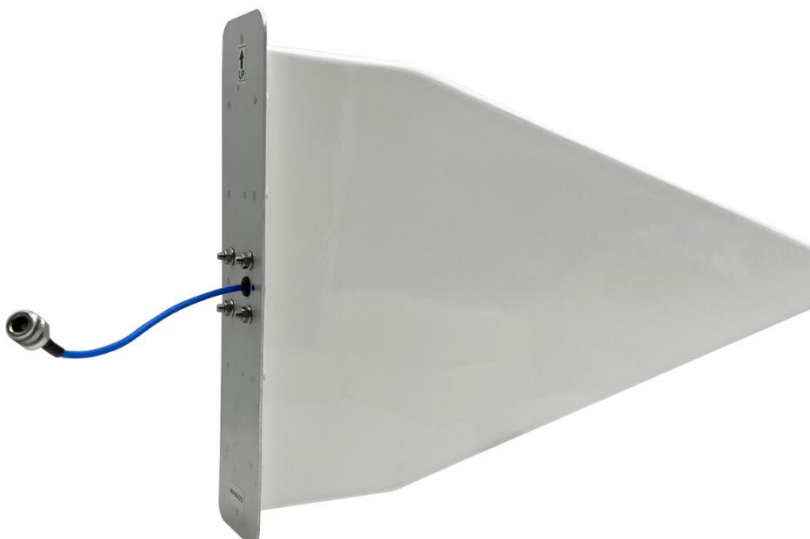


1. Specification

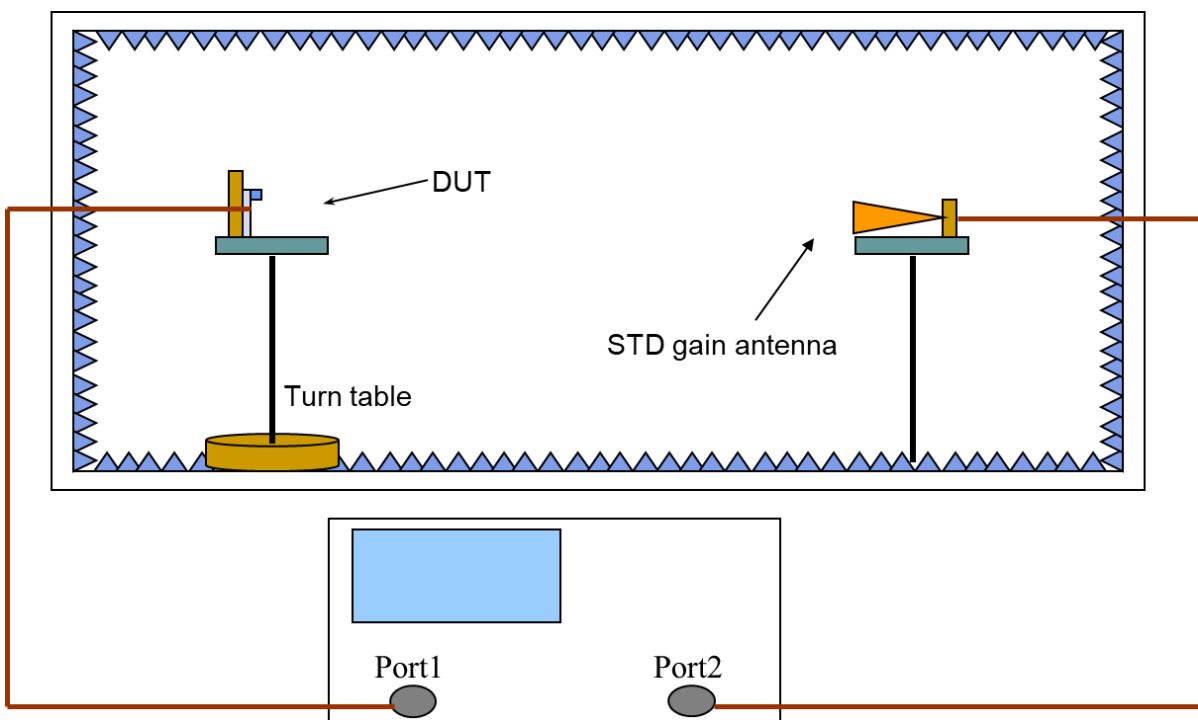
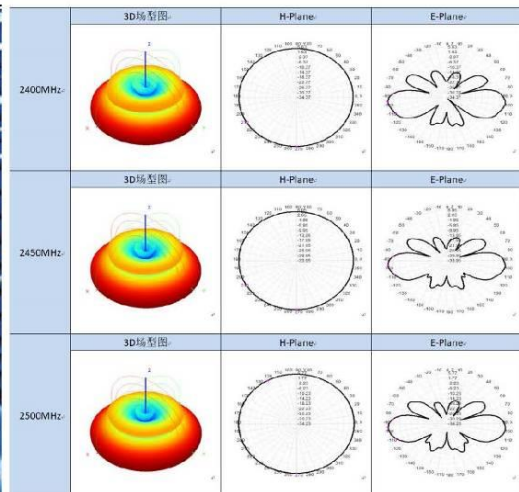
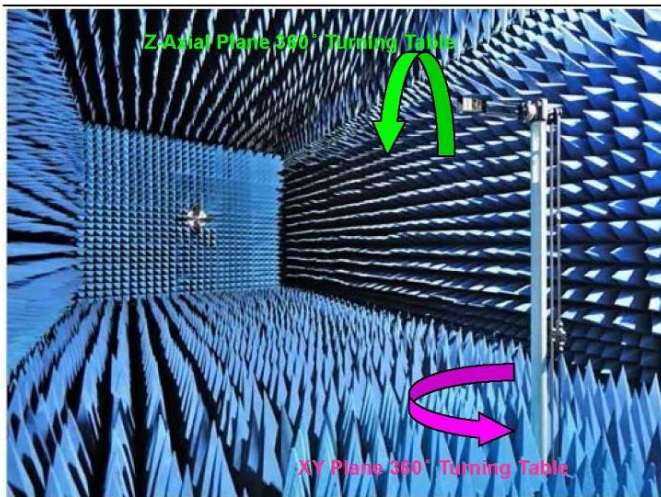
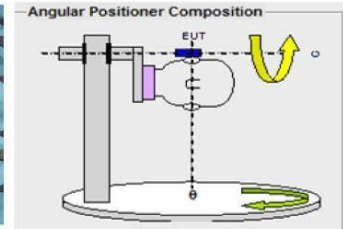
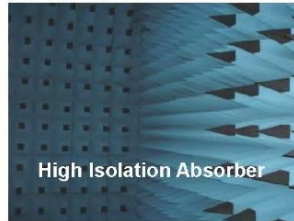
Sample Photo	
	
A. Electrical Characteristics	
Frequency	400-7000MHz
S.W.R.	<=2.2
Antenna Gain	7dBi
Efficiency	58%
Polarization	Vertical
Horizontal Beamwidth	40-360°
Vertical Beamwidth	20-80°
Impedance	50Ohm
Max. Power	50W
B. Material & Mechanical Characteristics	
Connector Type	N connector
Cable Type	50-3 Type Cable
Dimension	550*350*80mm
Mount Pole	∅30-∅50
Weight	2.4Kg
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

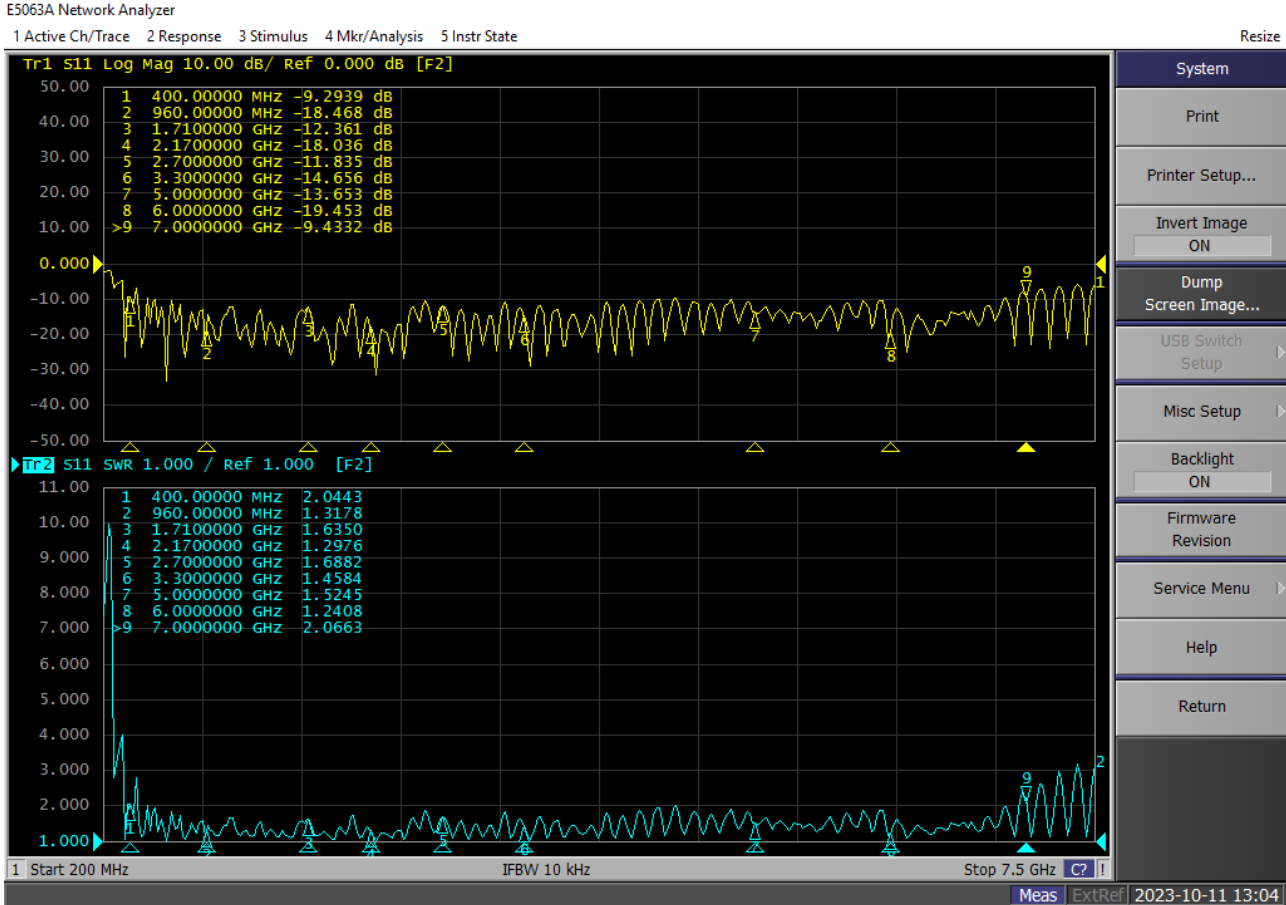




Product Number: BGS-AN7000-55035080G
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2. Antenna - S Parameter Test Data

2.1 VSWR



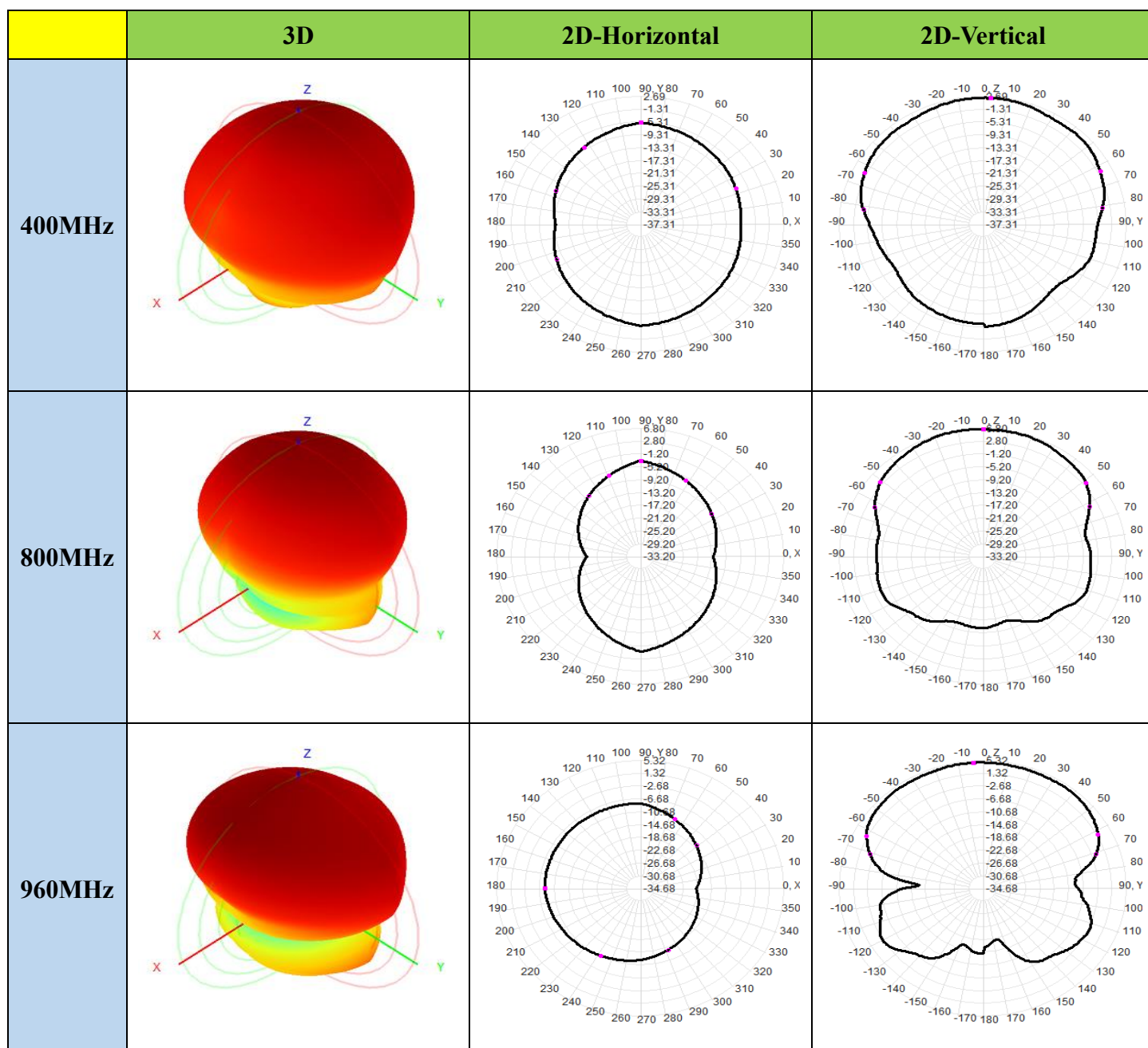


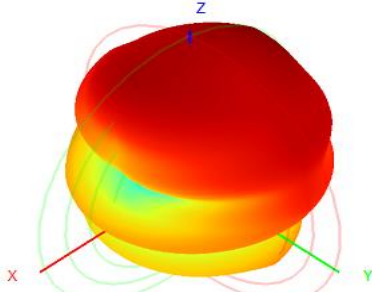
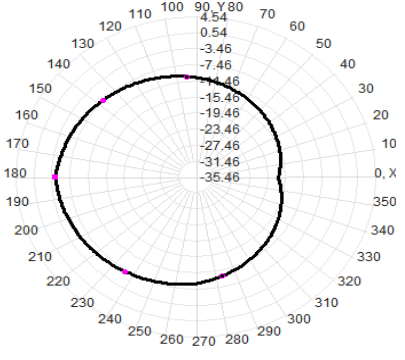
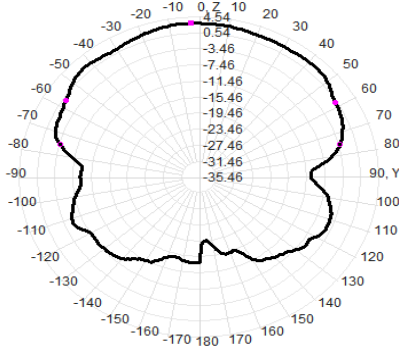
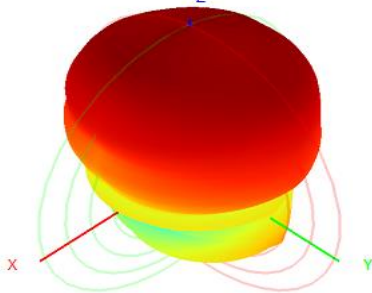
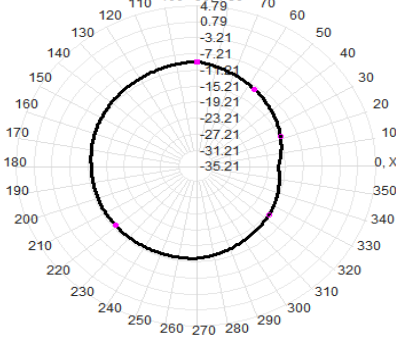
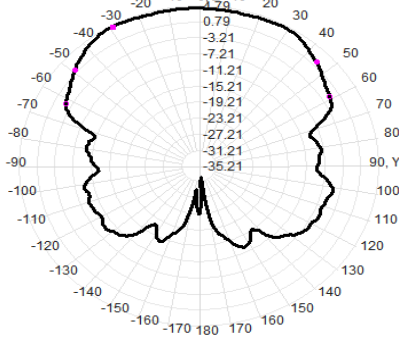
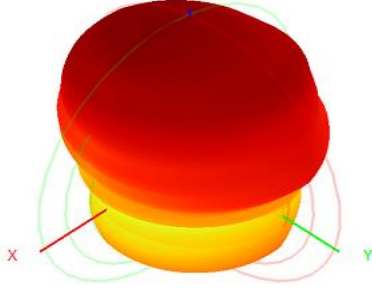
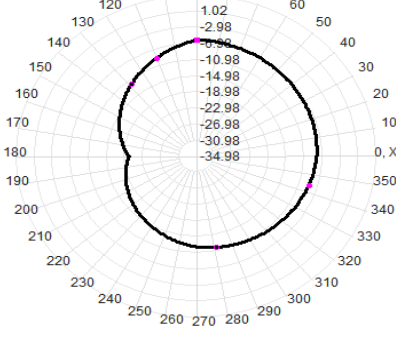
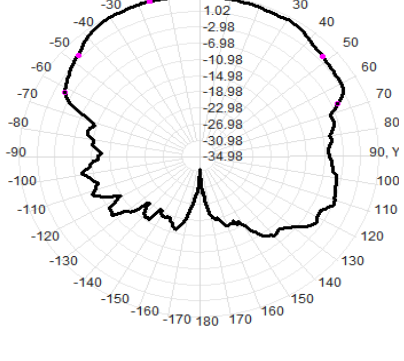
Product Number: BGS-AN7000-55035080G
Product Name: 400-7000MHZ LPDA Antenna

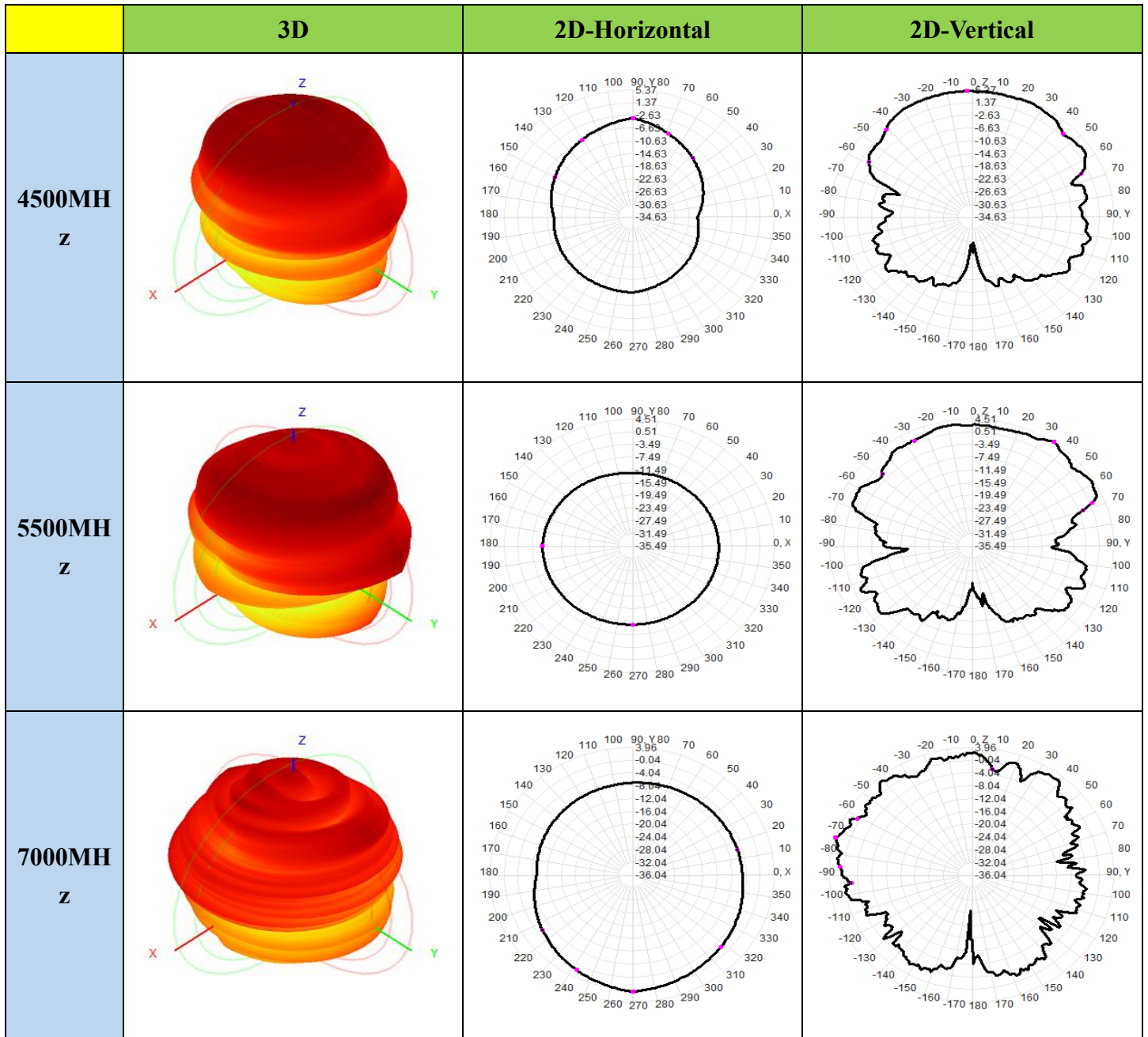
2.2 Gain:

Frequency(MHz)	Gain(dBi)	Frequency(MHz)	Gain(dBi)	Frequency(MHz)	Gain(dBi)
400	2.7	1100	4.5	4200	6.9
420	2.9	1200	5.4	4300	6.0
440	0.7	1300	5.5	4400	5.7
460	2.9	1400	4.7	4500	5.3
480	4.6	1500	6.2	4600	5.0
500	4.4	1600	5.4	4700	4.5
520	3.4	1700	4.5	4800	3.8
540	4.1	1800	6.1	4900	4.1
560	4.2	1900	5.4	5000	5.3
580	0.4	2000	5.1	5100	5.2
600	4.1	2100	6.2	5200	5.2
620	4.1	2200	6.7	5300	5.1
640	2.7	2300	5.2	5400	4.7
660	4.1	2400	5.3	5500	4.5
680	4.9	2500	5.1	5600	5.1
700	5.2	2600	5.9	5700	4.5
720	4.5	2700	4.8	5800	4.2
740	5.4	2800	5.7	5900	4.8
760	3.9	2900	5.8	6000	5.5
780	6.0	3000	6.5	6100	6.4
800	6.8	3100	5.2	6200	6.6
820	6.7	3200	6.2	6300	5.3
840	5.8	3300	5.8	6400	4.7
860	4.7	3400	5.7	6500	5.7
880	4.8	3500	6.6	6600	5.4
900	5.3	3600	7.0	6700	5.3
920	4.2	3700	6.5	6800	5.3
940	5.0	3800	5.0	6900	4.6
960	5.3	3900	4.4	7000	4.0
980	4.8	4000	4.9		
1000	5.4	4100	5.6		

2.3 Radiation Pattern



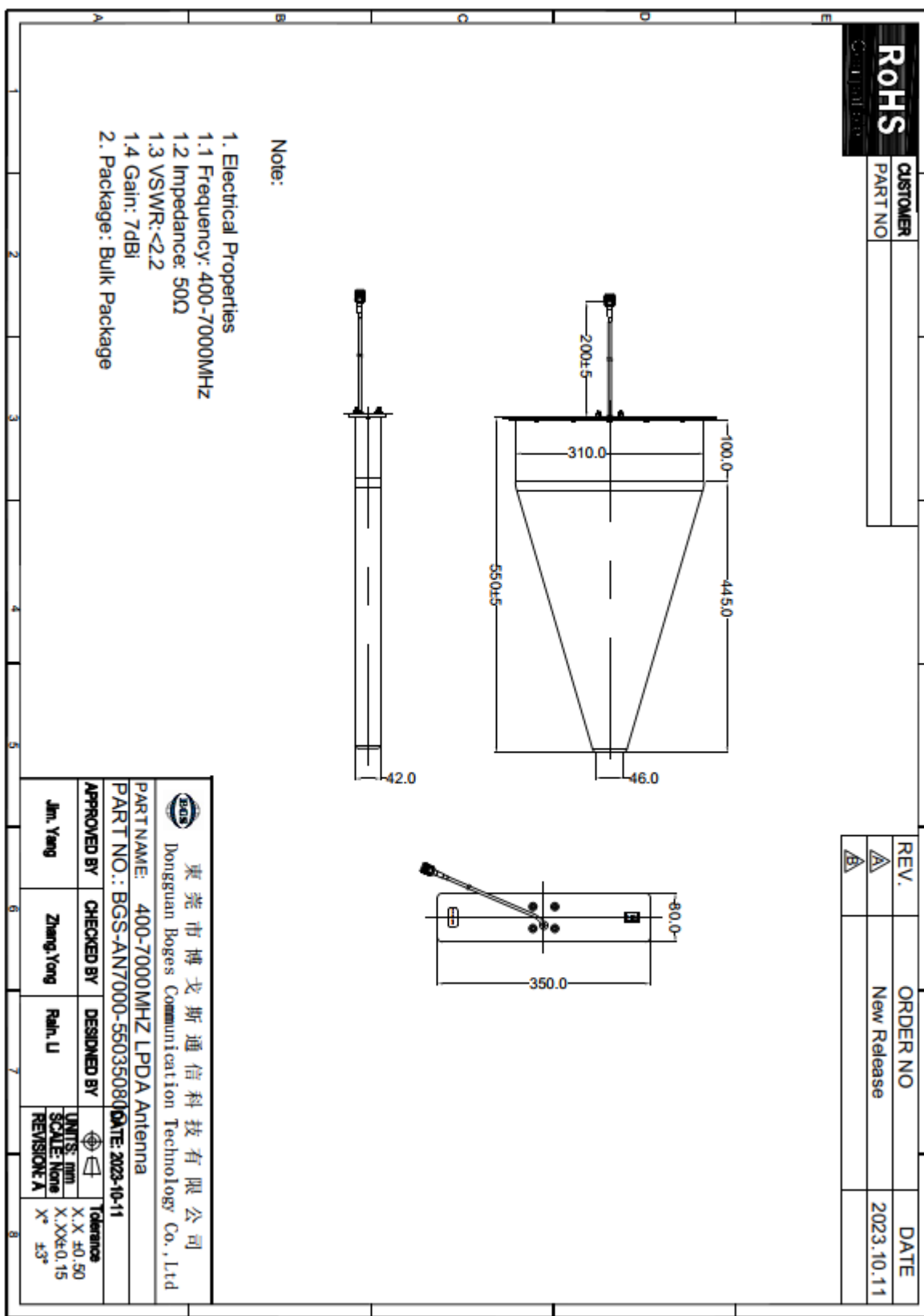
	3D	2D-Horizontal	2D-Vertical
1700MH Z			
2700MH Z			
3800MH Z			





Product Number: BGS-AN7000-55035080G
 Product Name: 400-7000MHZ LPDA Antenna

3. Mechanical Drawing





Product Number: BGS-AN7000-55035080G
 Product Name: 400-7000MHZ LPDA Antenna

