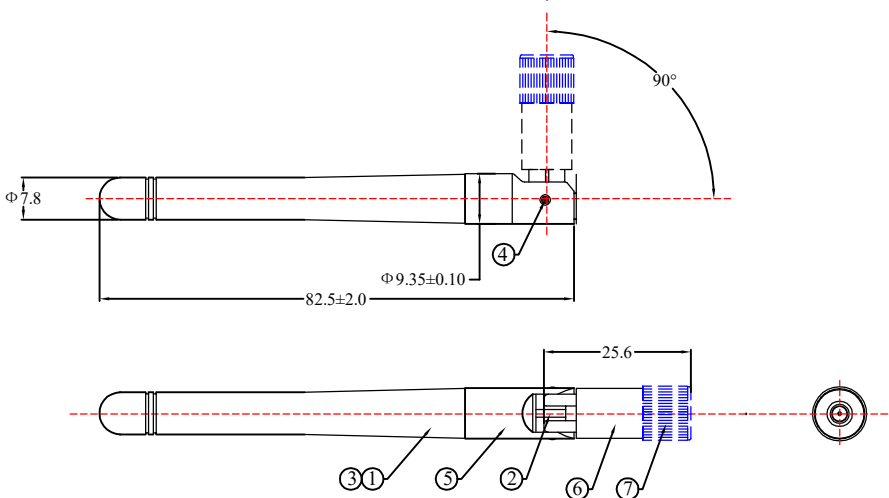




- NOTES:
- 1. ALL MATERIALS MUST MEET RoHS.
 - 2. ELECTRICAL CHARACTERISTICS:
 - 2.1 FREQUENCY RANGE:2.4GHz-2.5GHz/4.9-7.2GHz
 - 2.2 VSWR: ≤ 3.0
 - 2.3 NORMINAL IMPEDANCE:50 OHM
 - 2.4 POLARIZATION:VERTICAL
 - 2.5 GAIN: 2 dBi
 - 3.ENVIRONMENT:
 - 3.1 OPERATION TEMPERATURE:-30°C TO +70°C

				THIRD ANGLE PROJECTION		DRAWING APPROVAL					
7	CONNECTOR	SMA REVERSE STRAIGHT PLUG FOR RG-178 CABLE,BLACK.		1PC		DWN:					
6	ANTENNA BASE	PA+30%GF,COLOR:BLACK		1PC							
5	ANTENNA BASE	PC,COLOR:BLACK		1PC		CHK:		CUS:		PART No.	
4	RIVET	BRASS,BLACK NICKEL PLATED		2PC		TOLERANCES UNLESS OTHERWISE SPECIFIED		APPD:		TR2472ANTENNA	
3	GROUND TUSE	Ø5.2x23.0mm COPPER PIPE,MATERIAL:BRASS,INCKEL PLATED.		1PC							
2	CABLE	RG-178/U RF COAXIAL CABLE,FEP JACKET, TRANSPARENT BROWN,L=83mm		1PC	ONE PLACE DECIMAL	.X	N/A	WIFI 7 ANTENNA			
1	COVER	TPE,COLOR:BLACK		1PC	TWO PLACE DECIMAL	.XX	N/A				
					THREE PLACE DECIMAL	.XXX	N/A				
No	ITEM	DESCRIPTION		QTY	HOLE DIA. VARIATION	.XX	N/A	SIZE:	A4	UNIT:	mm
BILL OF MATERIAL					ANGULAR DIMENSION (ENG)	N/A	N/A	SCALE:	-	:	-
								SHEET: 1 OF 1		CUS REV: N/A	
								REV:		01	

WIFI/BT Antenna Test Report

Customer	
Project	TR2472ANTENNA
Antenna Revision	A0
Product Description	Dipole Antenna
Product No	

Prepared by : Grant_Dou

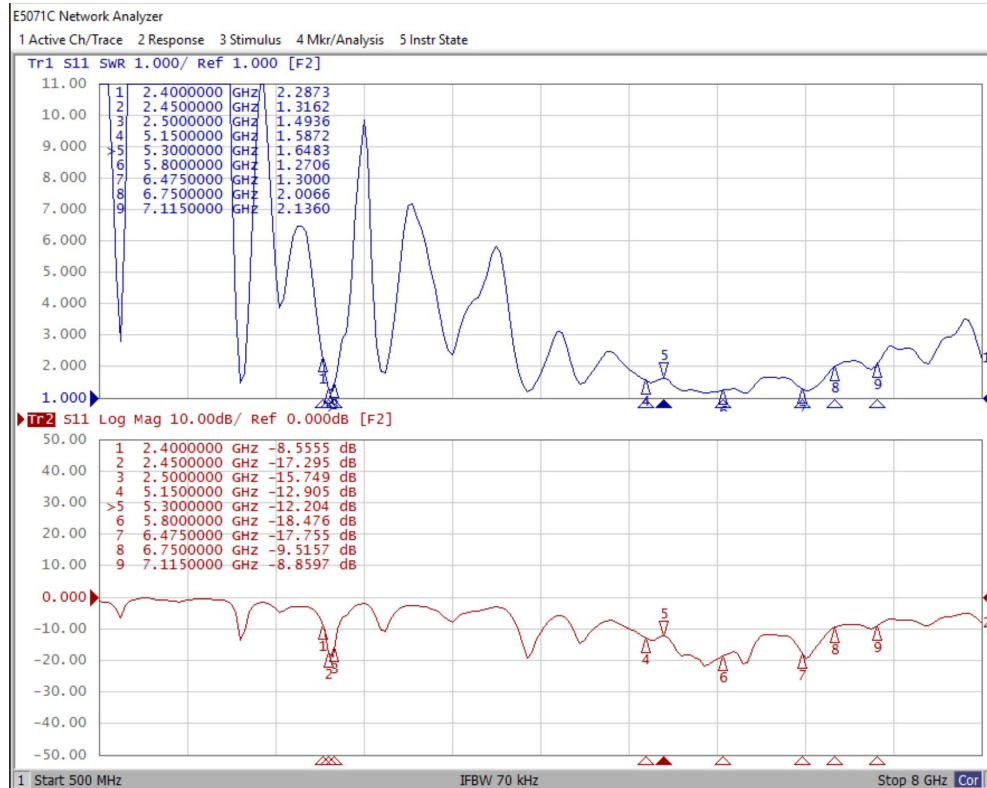
Checked by : Grant_Dou

2025.03.09

Antenna



1. 1 Return Loss



Frequency (MHz)	2400	2450	2500	5150	5300	5800	6475	6750	7115
VSWR	2.28	1.31	1.49	1.58	1.64	1.27	1.30	2.00	2.13

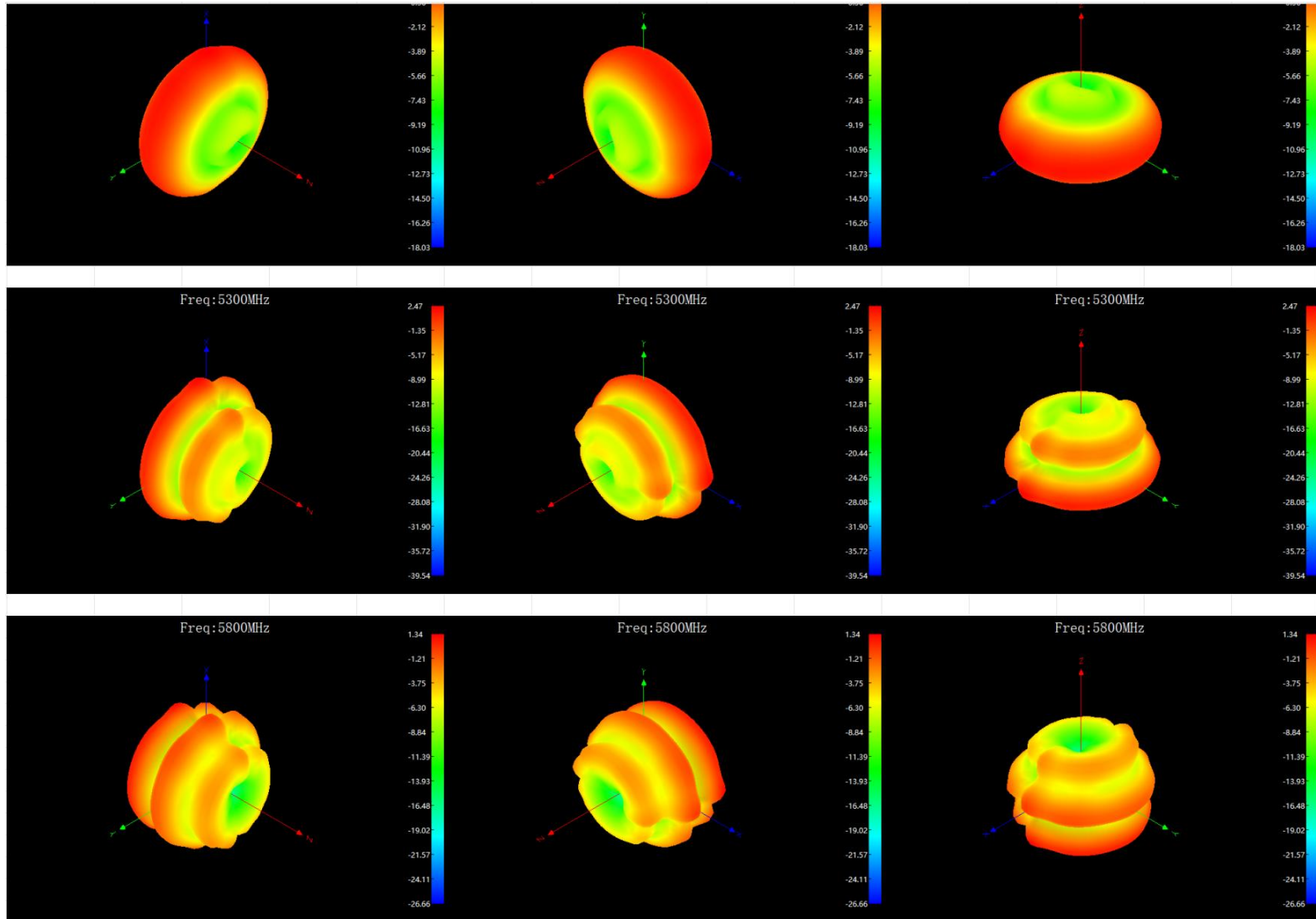
1.2 GAIN & Efficiency

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
2400	-4.93	32.14	1.37
2410	-4.68	34.04	1.74
2420	-4.43	36.06	2.13
2430	-4.06	39.26	2.37
2440	-3.98	39.99	2.50
2450	-4.17	38.28	2.41
2460	-4.18	38.19	2.47
2470	-4.32	36.98	2.3
2480	-4.13	38.64	2.38
2490	-4.2	38.02	2.25
2500	-4.27	37.41	2.29

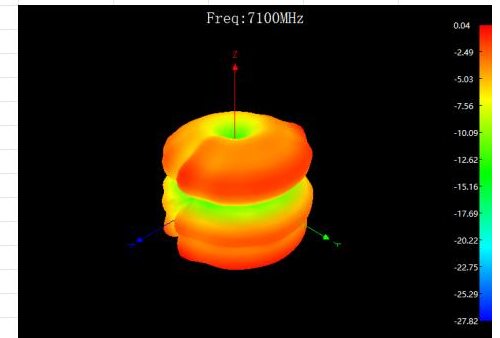
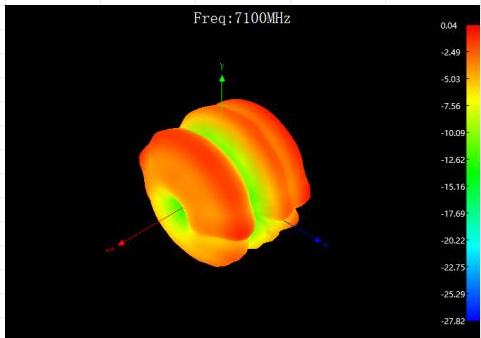
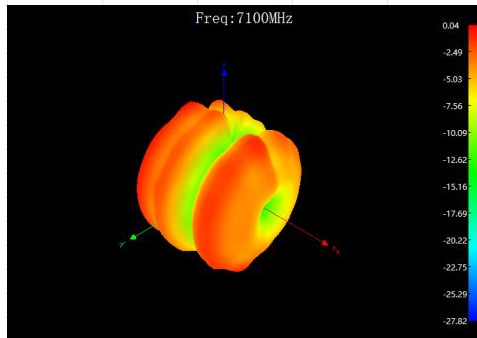
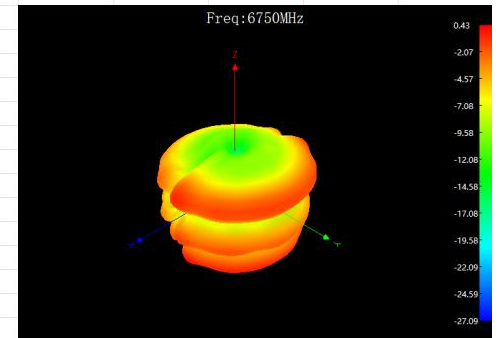
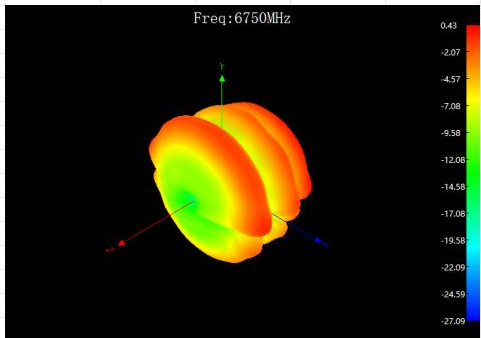
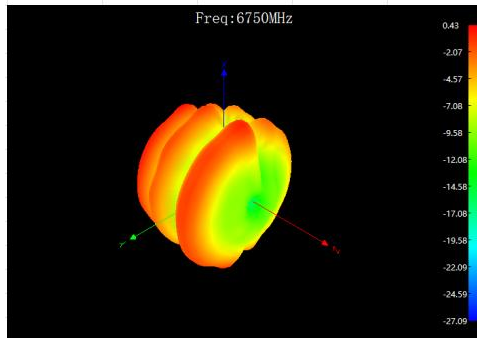
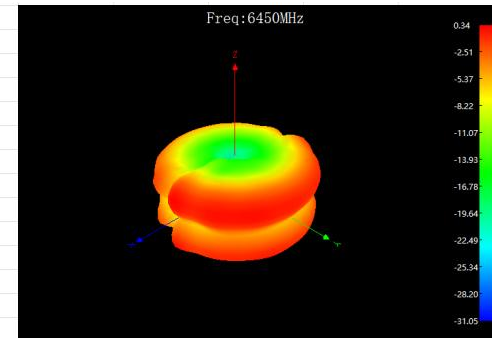
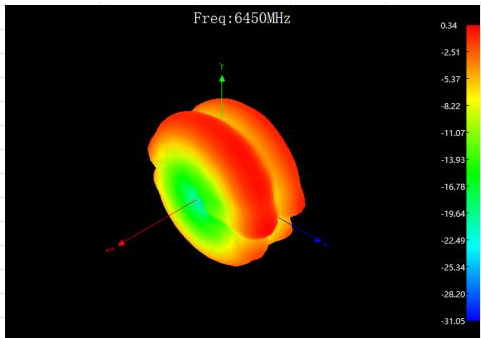
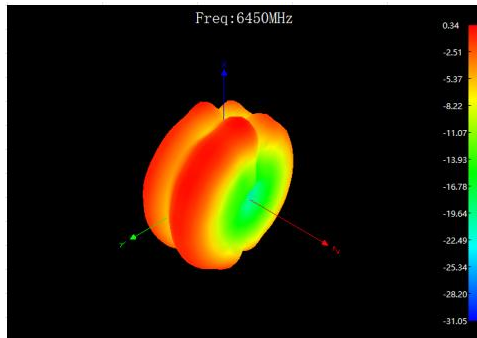
Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
5150	-4.49	35.56	1.86
5200	-4.91	32.28	1.69
5250	-4.16	38.37	2.25
5300	-4.31	37.07	2.47
5350	-3.9	40.74	2.50
5400	-4.39	36.39	2.09
5450	-4.29	37.24	2.39
5500	-3.86	41.11	2.16
5550	-3.97	40.09	2.31
5600	-4.06	39.26	2.03
5650	-4.35	36.73	1.8
5700	-4.38	36.48	1.24
5750	-4.66	34.2	1.07
5800	-4.74	33.57	1.34
5850	-4.46	35.81	2.00

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
5900	-4.85	32.73	-1.83
5950	-4.41	36.22	-2.17
6000	-3.83	41.4	-2.50
6050	-3.63	43.35	-2.48
6100	-4.23	37.76	-1.57
6150	-3.84	41.3	-2.14
6200	-3.28	46.99	-2.15
6250	-4.3	37.15	0.74
6300	-3.42	45.5	-1.73
6350	-3.98	39.99	0.85
6400	-4.03	39.54	-1.04
6450	-4.44	35.97	0.34
6500	-4.13	38.64	0.93
6550	-3.92	40.55	-1.33
6600	-4.54	35.16	0.54
6650	-4.7	33.88	0.3
6700	-5.2	30.2	-0.05
6750	-4.87	32.58	0.43
6800	-4.91	32.28	1
6850	-5.32	29.38	-1.45
6900	-4.36	36.64	-2.56
6950	-4.82	32.96	-1.94
7000	-4.92	32.21	-1.3
7050	-3.59	43.75	-2.28
7100	-4.89	32.43	0.04
7150	-4.47	35.73	0.94
7200	-4.73	33.65	0.81
7250	-4.4	36.31	0.91

1.3 WIFI 3D DATA



1.4 WIFI 3D DATA



2. Conclusion

The antenna test is qualified