

OTA Test Report for GC600

Antenna Supplier	SHENZHEN VLG WIRELESS TECHNOLOGY Co,Ltd
Product Name	GC600
RF Bands	5G n7/n78, LTE B2/4/5/7/28/66, UMTS B2/4/5
REV.	V1.0

	Supplier Signature	SUNVOT Signature
Approved BY:	Yuncheng.Li	Bason.Zheng
Date:	1, Dec,2022	3, Dec, 2022

1. Antennas Picture and Enviroment

Please refer to Appendix GC600 UE configuration

2. The Correspondence relation between each RF connector on PCBA and each antenna.

Please refer to Appendix GC600 UE configuration

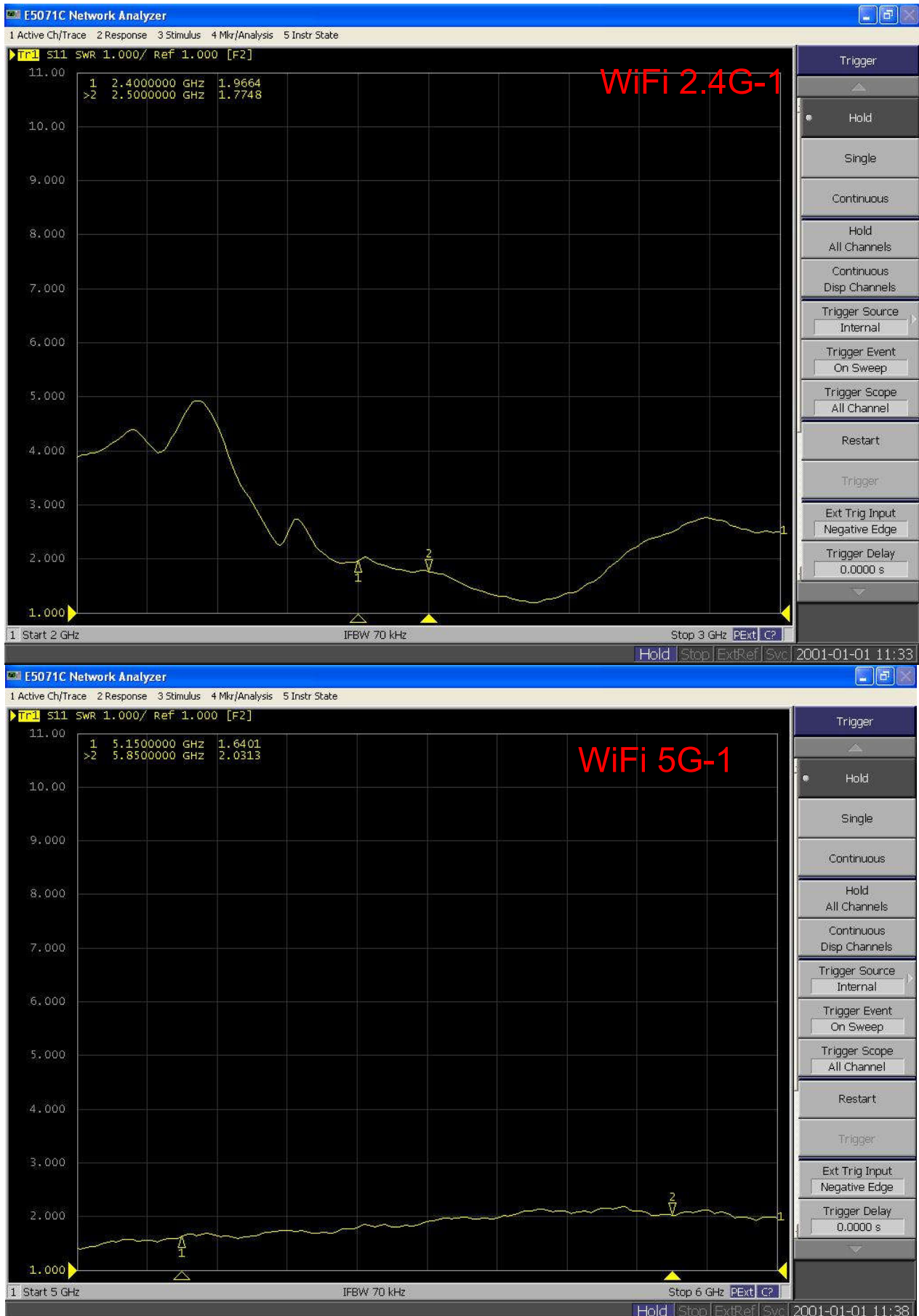
3, BlueTest Chamber for OTA test

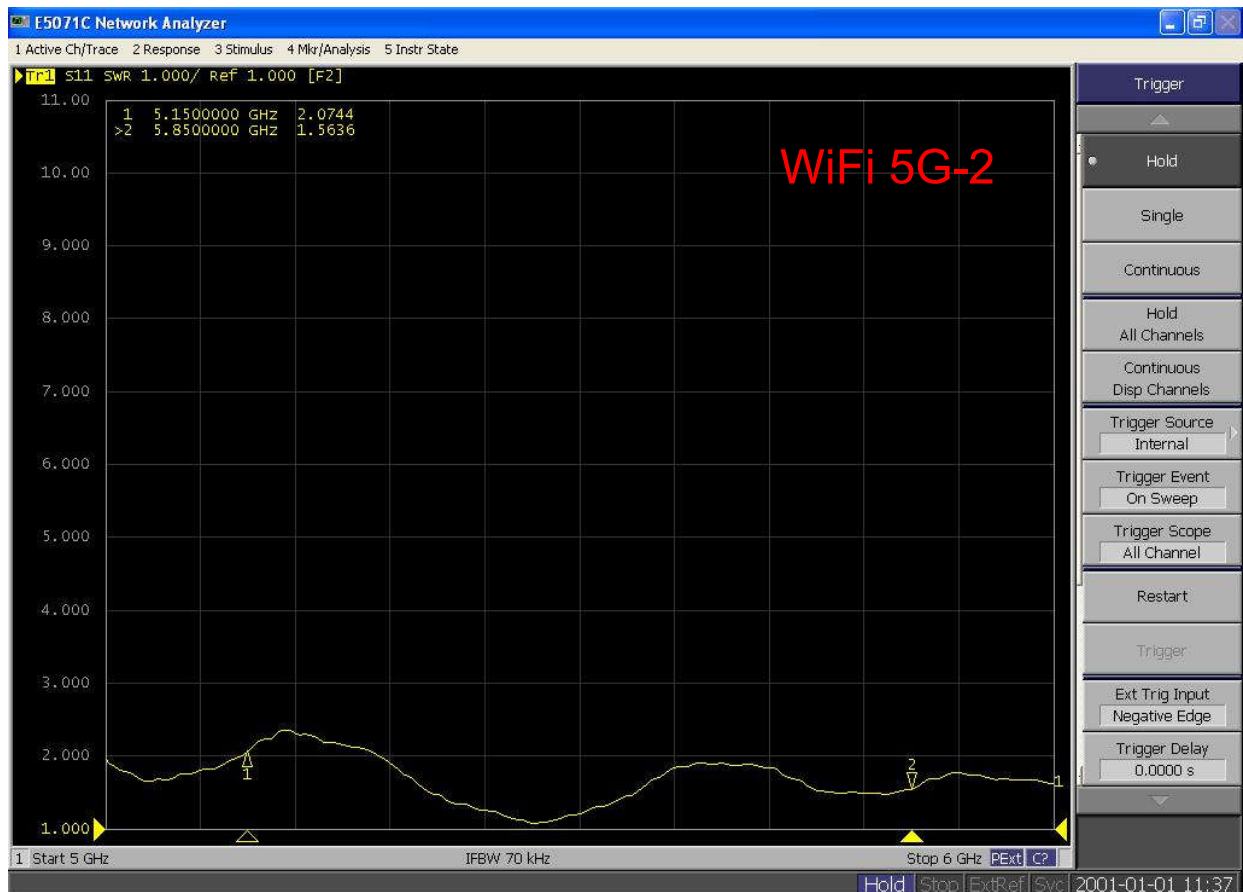
Please refer to Appendix GC600 UE configuration

**Anritsu MT8000A+MT8821C Test Equipments
for 5G/4G/3G test**



4.1, S11 Test Data by network analyzer for each antenna





4.2, Test data of Peak Gain & Efficiency in 3D chamber

WIFI-1

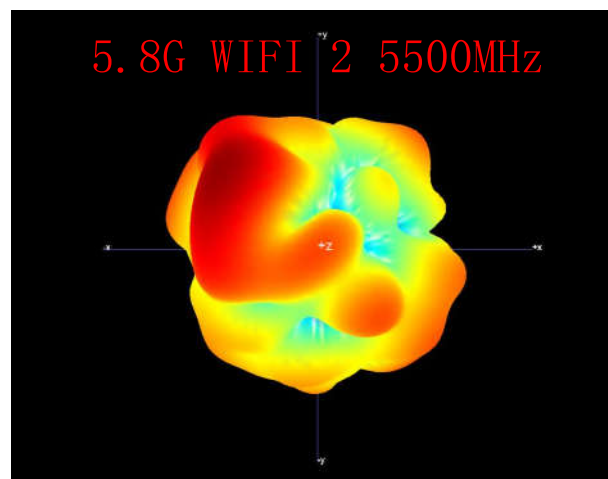
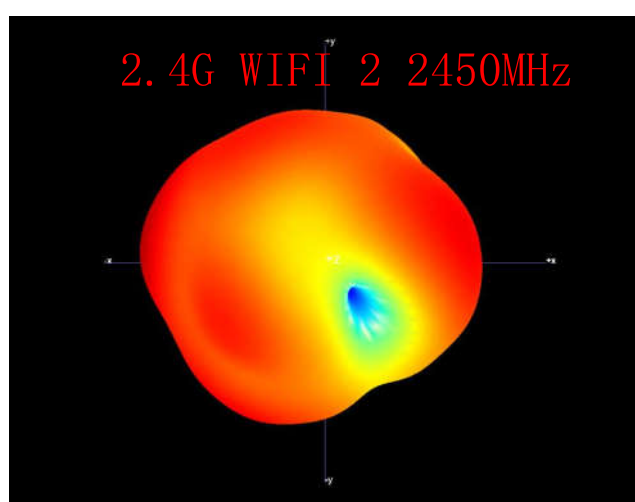
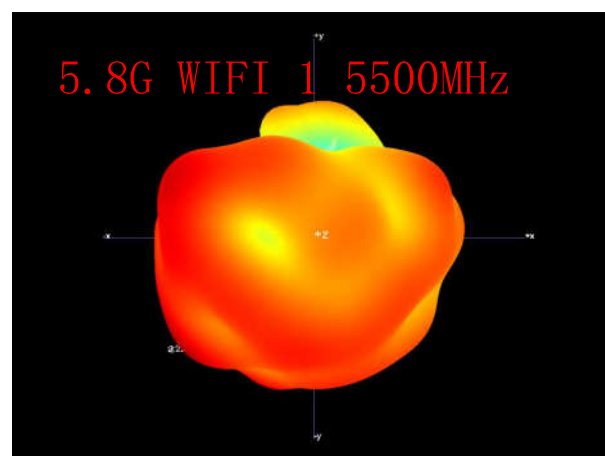
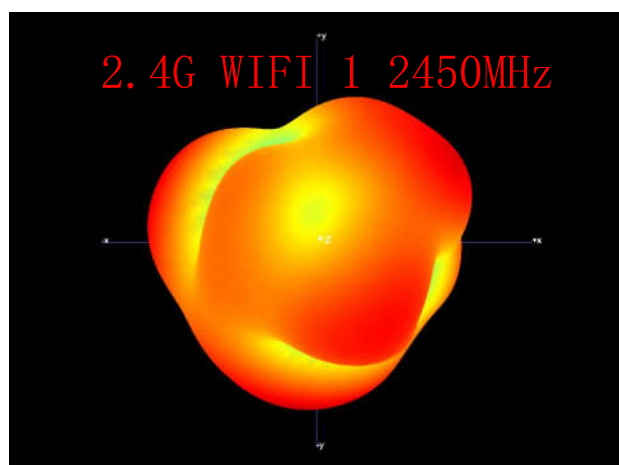
Frequency (MHz)	Efficiency (%)	Gain(dBi)
2400	47%	3.32
2410	47%	3.44
2420	48%	3.47
2430	50%	3.57
2440	51%	3.76
2450	53%	3.81
2460	54%	3.89
2470	55%	3.81
2480	55%	3.69
2490	55%	3.61
2500	55%	3.62

Frequency (MHz)	Efficiency (%)	Gain(dBi)
5150	59%	4.82
5200	57%	4.87
5250	54%	4.76
5300	52%	4.76
5350	51%	4.66
5400	49%	4.33
5450	46%	3.72
5500	43%	3.22
5550	41%	2.56
5600	42%	2.43
5650	42%	2.35
5700	45%	2.56
5750	44%	2.56
5800	43%	2.73
5850	42%	2.51

WIFI-2

Frequency (MHz)	Efficiency (%)	Gain(dBi)
2400	57%	2.84
2410	56%	2.49
2420	55%	2.14
2430	54%	2.09
2440	53%	2.15
2450	51%	2.06
2460	49%	1.85
2470	47%	1.58
2480	46%	1.46
2490	44%	1.45
2500	42%	1.33

Frequency (MHz)	Efficiency (%)	Gain(dBi)
5150	48%	5.06
5200	47%	4.71
5250	43%	4.03
5300	44%	3.89
5350	45%	4.28
5400	45%	4.61
5450	43%	4.59
5500	42%	4.66
5550	41%	4.59
5600	42%	4.85
5650	41%	4.82
5700	39%	4.68
5750	36%	4.54
5800	33%	4.24
5850	32%	4.08



Test Equipment List			
Item	Name	Calibration Date	Test Item
1	GTS RayZone1800	24, Mar. 2022	Active Data
2	SATIMO StarLab1	24, Mar. 2022	Passive Data
3	E5071C	24, Mar. 2022	Network analyze Data