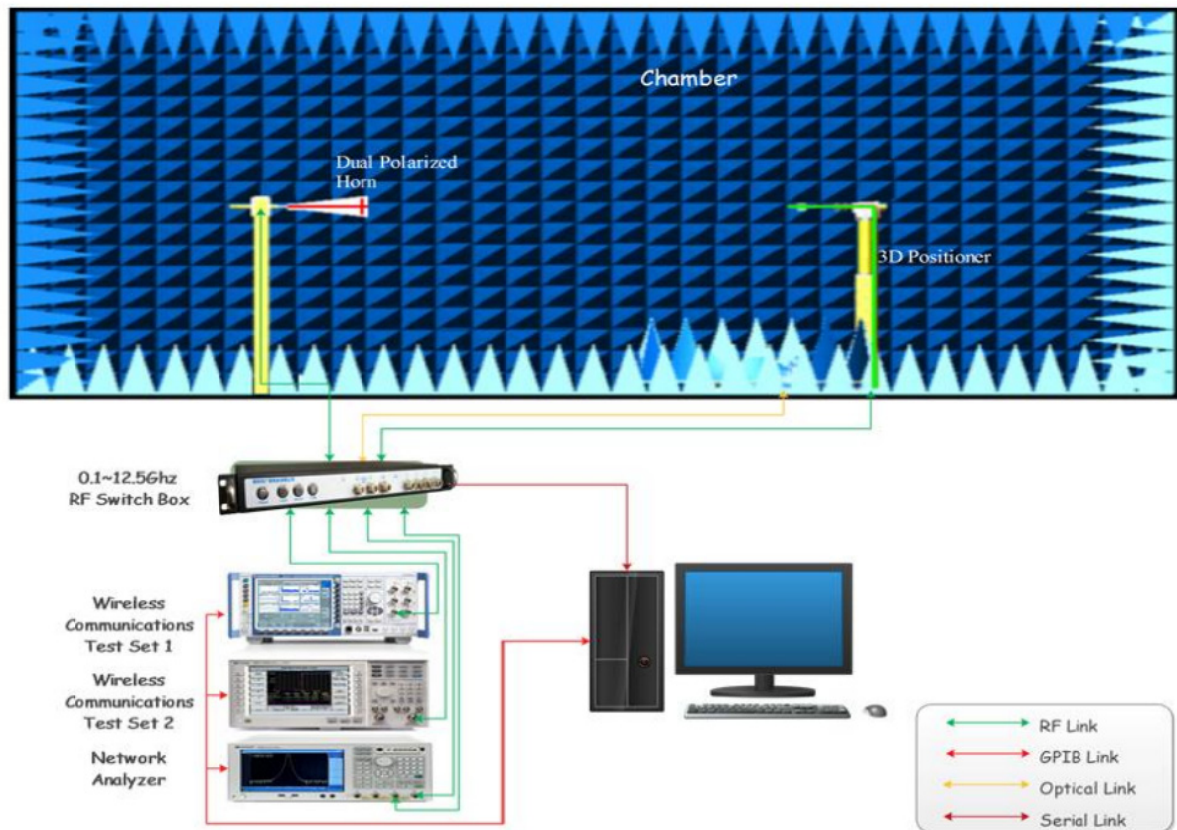


GQ5020-5G antenna report

Company Information	Shenzhen 3Good Wireless Communications CO.,LTD Room501,Jinfulai Building,No.49-1,Dabao Road, Baoan District, Shenzhen
Test Date	2025-3-28
Test Instrument	vector network analyzer-Agilent Technologies E5071B

Iption Measurement procedure





Antenna information:

Customer	Boat of wealth
Antenna Model	LDS
Antenna Type	PIFA

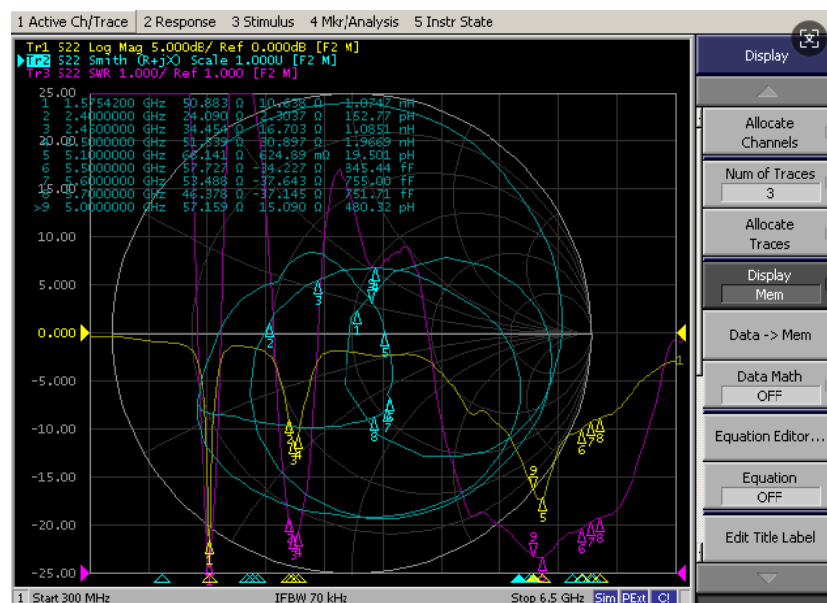
Passive performance figure:

Frequency(MHZ)	703~960	1710~2690
VSWR	<3.5	<3.5

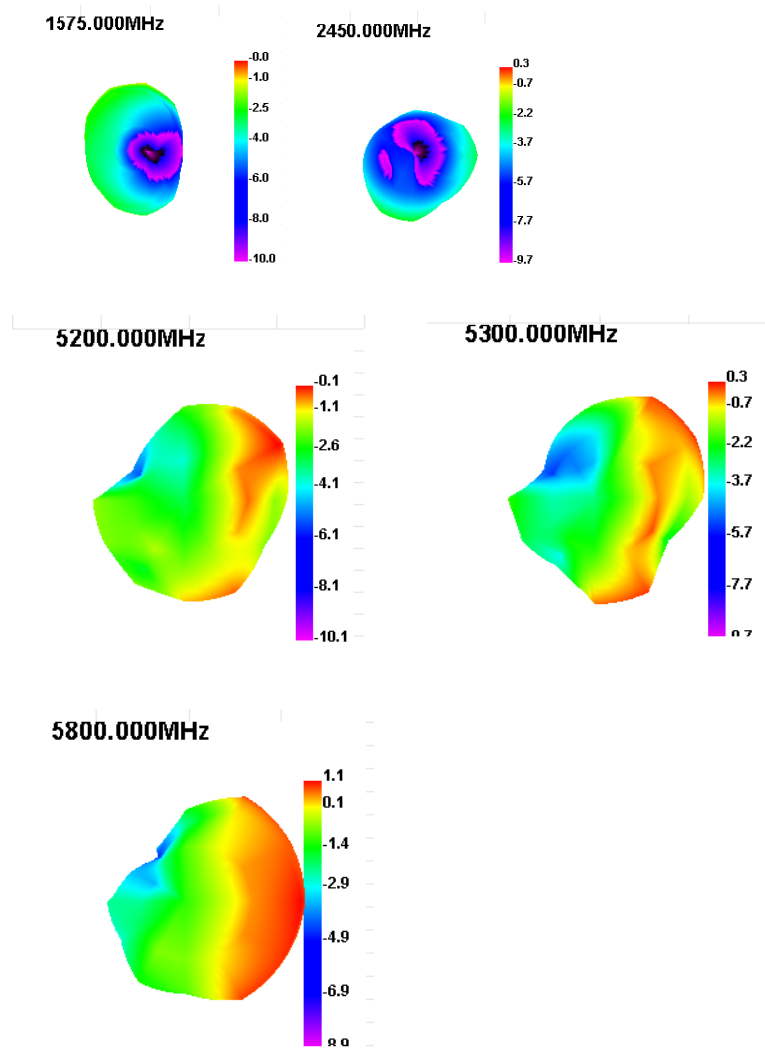
ANT0 Passive Efficiency Data & Gain

band	Freq (MHz)	Effi (%)	Gain (dBi)
BT&BLE&2.4G Wi-Fi	2450	35.89	0.29
5G Wi-Fi	5200	35.4	-0.1
5G Wi-Fi	5300	40.4	0.3
5G Wi-Fi	5800	43.4	1.1
GPS	1575	30.16	-0.03

ANT0 log Mag/SWR/smith



ANT0 3-D Patten Plots

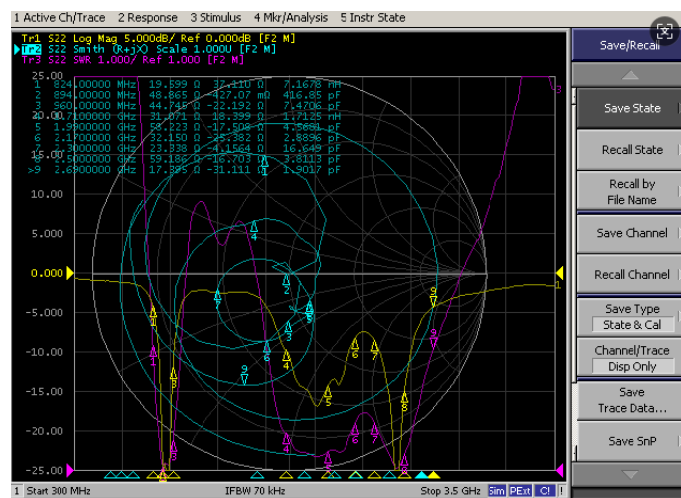




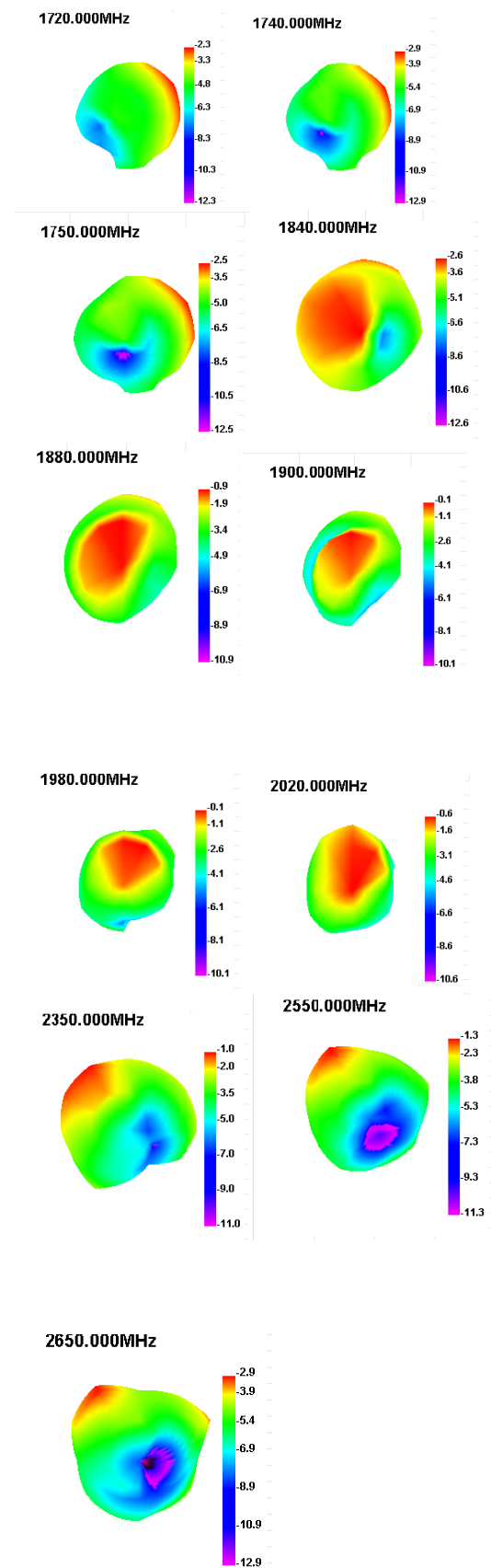
ANT2 Passive Efficiency Data & Gain

band	Freq (MHz)	Effi (%)	Gain (dBi)
DCS1800	1720	30.05	-2.28
PCS1900	1900	30.76	-0.06
CDMA BC1	1900	30.76	-0.06
WCDMA B1	1980	27.65	-0.06
WCDMA B2	1900	30.76	-0.06
WCDMA B4	1720	30.05	-2.28
LTE B1	1980	27.65	-0.06
5G NR N1	1980	27.65	-0.06
LTE B2	1900	30.76	-0.06
5G NR N2	1900	30.76	-0.06
LTE B3	1720	30.05	-2.28
5G NR N3	1720	30.05	-2.28
LTE B4	1720	30.05	-2.28
LTE B7	2550	30.3	-1.28
5G NR N7	2550	30.3	-1.28
LTE B25	1880	30.87	-0.88
5G NR N25	1880	30.87	-0.88
LTE B34	2020	28.94	-0.64
LTE B39	1840	35.52	-2.61
LTE B40	2350	32.35	-1.01
5G NR N40	2350	32.35	-1.01
LTE B66	1720	30.05	-2.28
5G NR N66	1720	30.05	-2.28

ANT2 log Mag/SWR/smith



ANT2 3-D Patten Plots

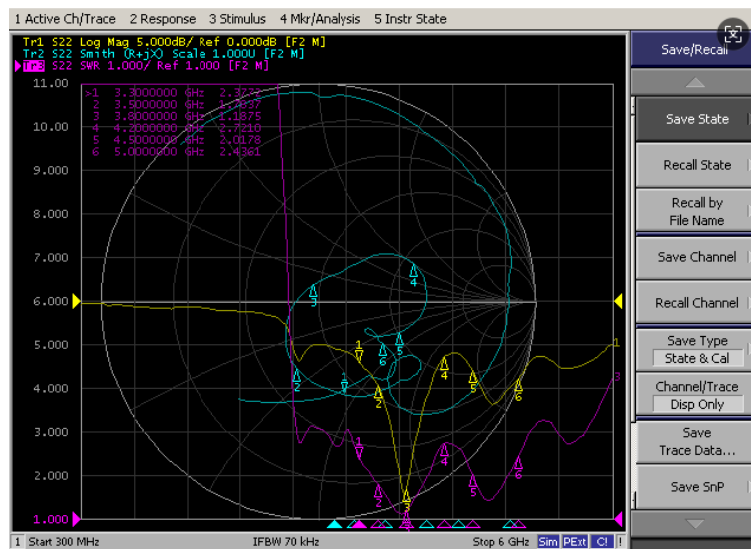




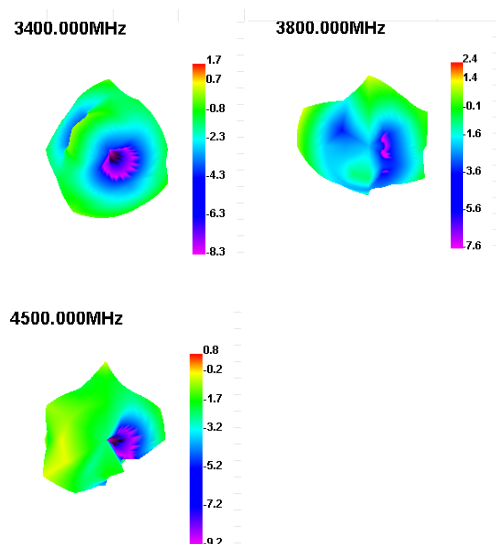
ANT3 Passive Efficiency Data & Gain

band	Freq (MHz)	Effi (%)	Gain (dBi)
5G NR N77	3400	42.22	1.67
5G NR N78	3800	45.8	2.4
5G NR N79	4500	41.25	0.77

ANT3 log Mag/SWR/smith



ANT3 3-D Patten Plots

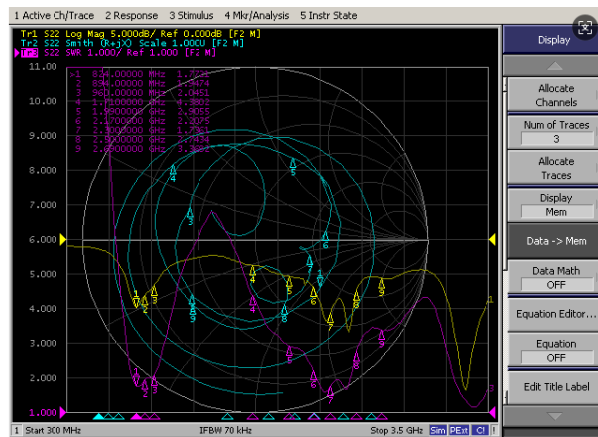




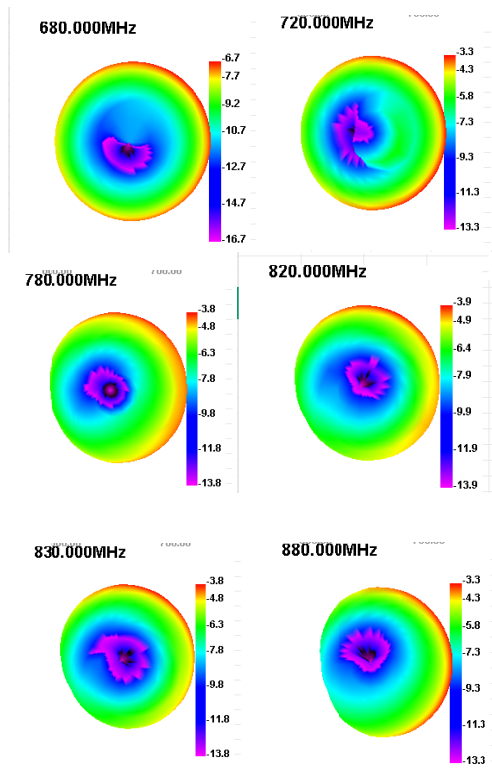
ANT5 Passive Efficiency Data & Gain

band	Freq(MHz)	Effi (%)	Gain(dBi)
CDMA BC0/BC10	820	24.47	-3.91
GSM850	830	25.51	-3.79
WCDMA B5/B6/B19	830	25.51	-3.79
LTE B5/B18/B19/B20/B26 5G NR N5	830	25.51	-3.79
GSM900 WCDMA B8	880	24.84	-3.29
LTE B8 5G NR N8	880	24.84	-3.29
LTE/B13	780	23.75	-3.83
LTE B12/B17/B28 5G NR N28	720	22.39	-3.35
LTE B71 5G NR N71	680	20.51	-6.70

ANT5 log Mag/SWR/smith



ANT5 3-D Patten Plots

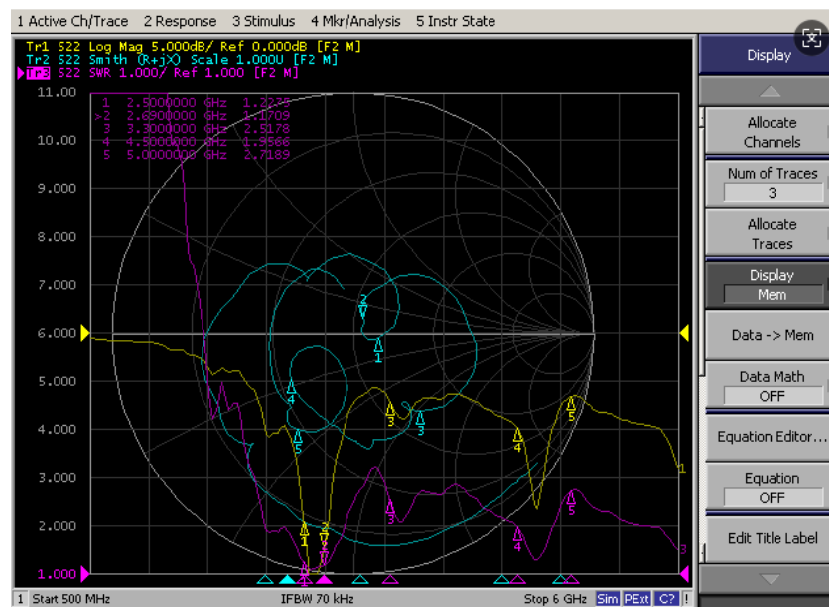




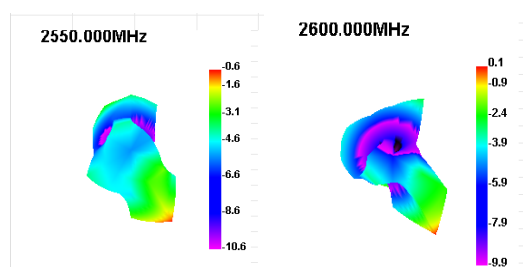
ANT6 Passive Efficiency Data & Gain

band	Freq (MHz)	Effi (%)	Gain (dBi)
LTE B38 5G NR N38	2550	32.6	-0.58
LTE B41 5G NR N41	2600	37.35	0.13

ANT6 log Mag/SWR/smith



ANT6 3-D Patten Plots



Antenna appearing diagram

(Unit: mm)

