

NAT612-P18 ANT Test Report

Manufacturer:Shenzhen Maya Communication Equipment Co., LTD

Company address:Room 205, Block B, Building 1, AI Digital Valley, Taoyuan Community, Dalang Street, Longhua District, Shenzhen

Testing Engineer : wuxiangqin

Test instrument	ENA Network Analyzer E5071C	GTS Rayzone8000
Calibration date	2024.08.22	2025.02.11
Due date	2025.08.22	2028.02.10

Testing Software



Libra

Antenna Model and Antenna Type

Antenna Model:

ANT6:MY-NAT612 ANT6 V1.0

ANT7:MY-NAT612 ANT7 V1.0

NFC:MY-NAT612 NFC V1.0

Antenna Type:

ANT6:PIFA

ANT7: PIFA

NFC:LOOP

NFC Size: 45*50*0.25mm

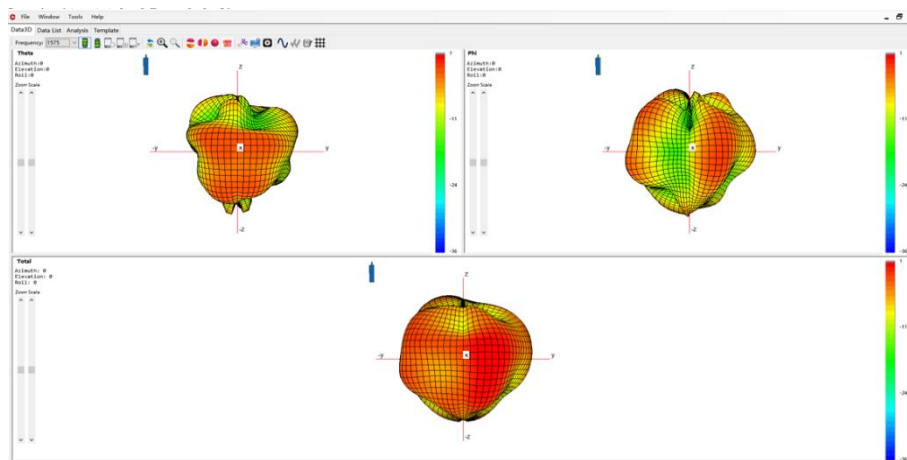
5. Antenna Passive Gain and 3D Pattern

ANT6

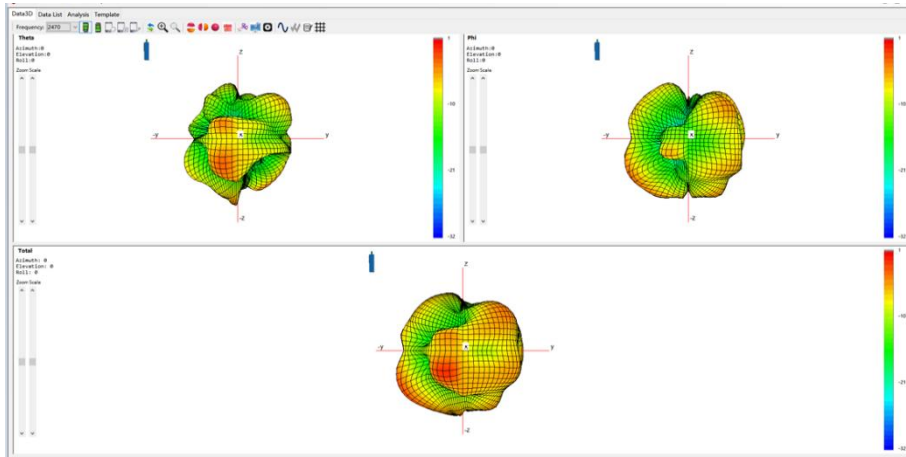
Fre	Effi(.db)	Effi(.%)	Peak Gain(dBi)
1550	-4.11	38.85%	0.04
1552	-4.09	38.98%	0.12
1555	-4.11	38.85%	0.13
1557	-4.05	39.36%	0.15
1560	-3.94	40.33%	0.18
1562	-3.89	40.86%	0.23
1565	-3.88	40.93%	0.32
1567	-3.88	40.97%	0.26
1570	-3.79	41.82%	0.30
1572	-3.78	41.87%	0.33
1575	-3.78	41.85%	0.42
1577	-3.74	42.24%	0.41
1580	-3.75	42.13%	0.38
1582	-3.83	41.44%	0.30
1585	-3.87	41.02%	0.34
1587	-3.86	41.15%	0.31
1590	-3.82	41.50%	0.43
1592	-3.87	41.05%	0.41
1595	-3.86	41.13%	0.64
1597	-3.89	40.79%	0.59
1600	-4.00	39.81%	0.43
2400	-6.32	23.31%	-0.57
2405	-6.15	24.27%	-0.64
2410	-5.87	25.87%	-0.12
2415	-5.59	27.60%	0.01
2420	-5.35	29.17%	0.36
2425	-5.27	29.73%	0.33
2430	-5.08	31.06%	0.54
2435	-4.92	32.22%	0.62
2440	-4.78	33.24%	0.67
2445	-4.75	33.53%	0.48
2450	-4.53	35.21%	0.75
2455	-4.48	35.66%	0.57
2460	-4.31	37.06%	0.88
2465	-4.34	36.78%	0.59
2470	-4.22	37.89%	0.89

2475	-4.27	37.41%	0.60
2480	-4.18	38.19%	0.88
2485	-4.24	37.69%	0.56
2490	-4.17	38.28%	0.89
2495	-4.22	37.84%	0.66
2500	-4.20	38.02%	0.91
5200	-4.56	35.03%	1.17
5230	-4.25	37.57%	1.34
5260	-4.27	37.38%	1.23
5290	-4.07	39.13%	1.58
5320	-3.95	40.28%	1.95
5350	-3.98	39.97%	2.15
5380	-3.92	40.55%	2.60
5410	-3.86	41.10%	2.88
5440	-4.06	39.25%	2.97
5470	-4.20	38.02%	3.00
5500	-4.46	35.85%	2.89
5530	-4.65	34.29%	2.97
5560	-4.92	32.18%	2.77
5590	-5.25	29.86%	2.45
5620	-5.40	28.83%	2.26
5650	-5.62	27.42%	1.75
5680	-5.72	26.79%	1.49
5710	-5.82	26.19%	1.23
5740	-5.86	25.92%	0.96
5770	-5.83	26.14%	0.95
5850	-5.86	25.92%	0.71

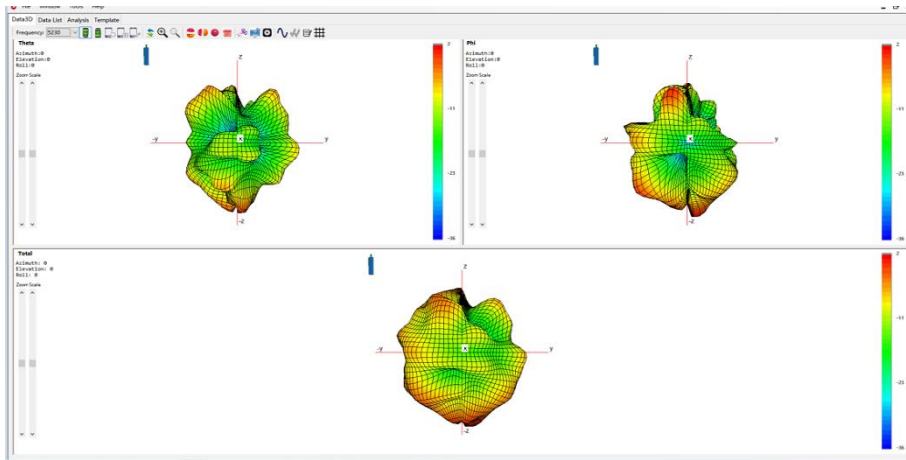
3D Pattern



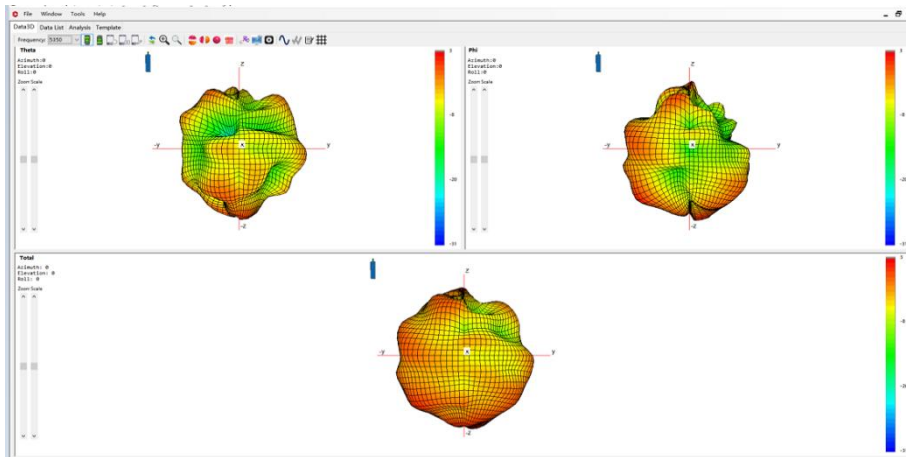
GPS L1



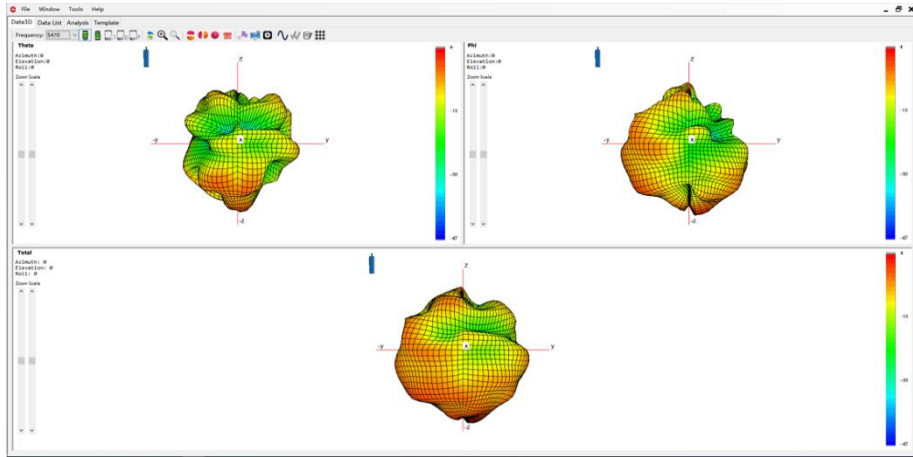
2.4G WIFI&BT



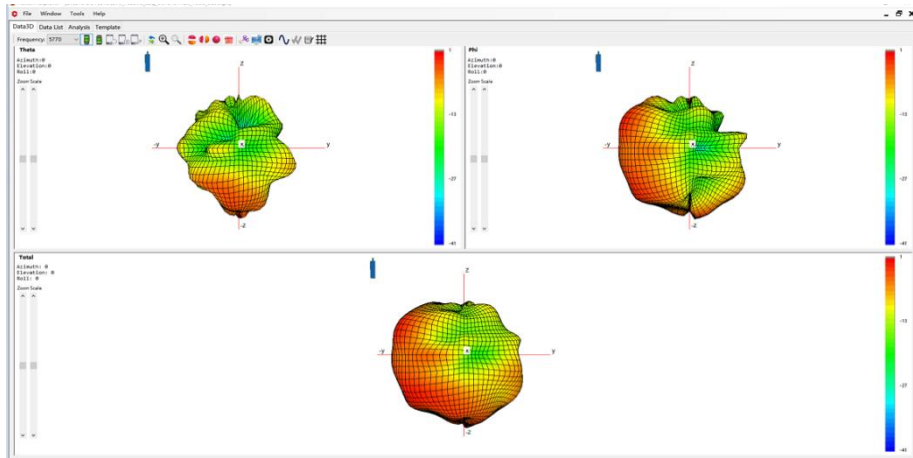
5G WIFI(U-NII-1)



5G WIFI(U-NII-2A)



5G WIFI(U-NII-2C)

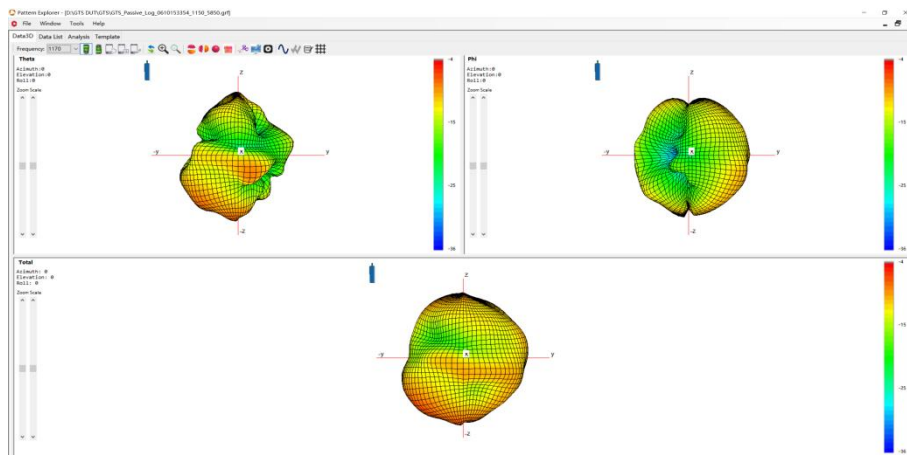


5G WIFI(U-NII-3)

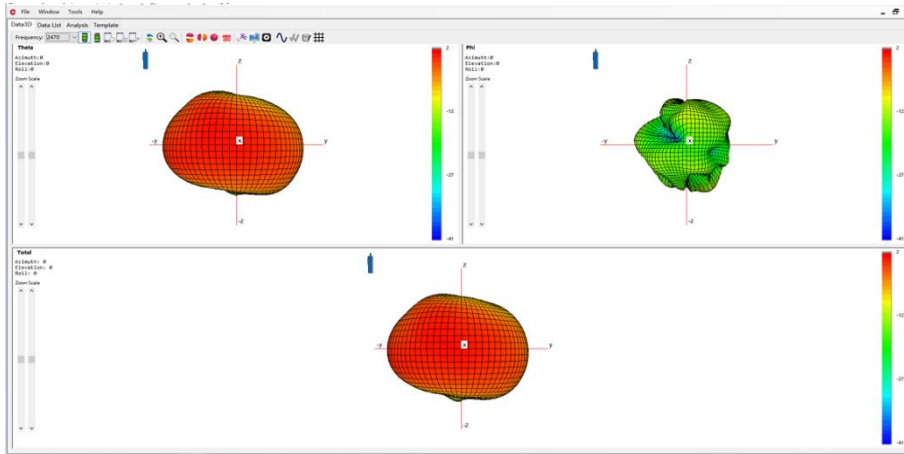
ANT7

Fre	Effi(.db)	Effi.(%)	Peak Gain(dBi)
1160	-7.59	17.43%	-2.19
1170	-7.49	17.83%	-2.42
1180	-7.39	18.25%	-2.31
2400	-5.34	29.25%	0.73
2410	-5.23	29.98%	0.79
2420	-5.15	30.52%	0.77
2430	-5.09	30.95%	0.80
2440	-4.99	31.68%	0.87
2450	-4.88	32.49%	0.97
2460	-4.78	33.27%	1.07
2470	-4.71	33.83%	1.11
2480	-4.63	34.43%	1.05
2490	-4.62	34.55%	0.93
2500	-4.65	34.29%	0.81
5200	-8.22	15.07%	-0.94
5260	-7.96	16.01%	-0.86
5320	-7.48	17.85%	-0.37
5380	-7.21	19.02%	0.18
5440	-6.98	20.04%	0.03
5500	-6.80	20.91%	0.43
5560	-6.31	23.41%	0.68
5620	-5.85	25.98%	1.44
5680	-5.59	27.60%	1.69
5740	-5.57	27.76%	1.75
5850	-5.68	27.05%	1.66

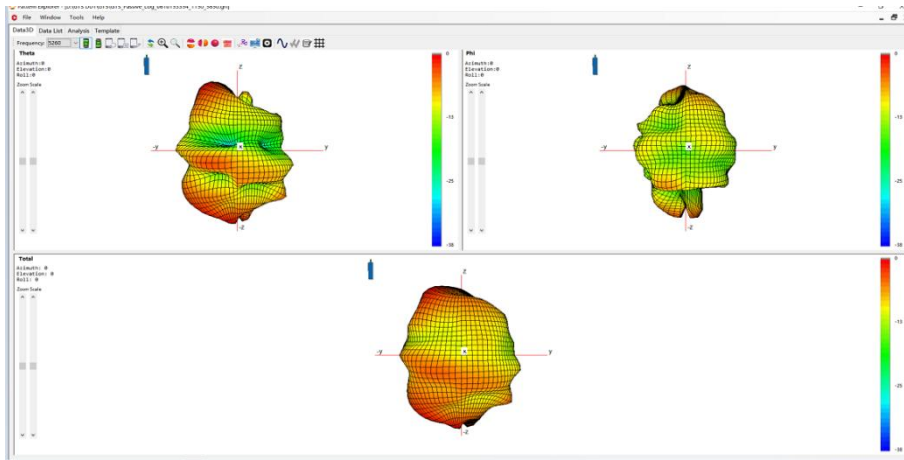
3D Pattern



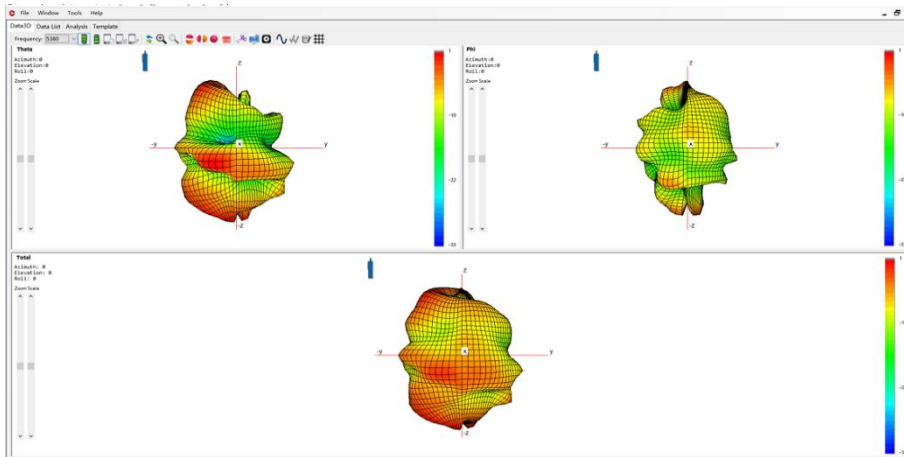
GPS L5



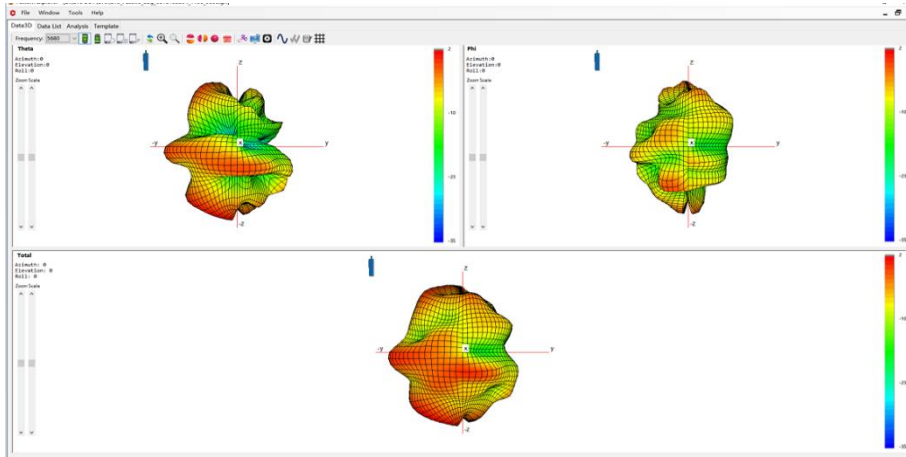
2.4G WIFI&BT



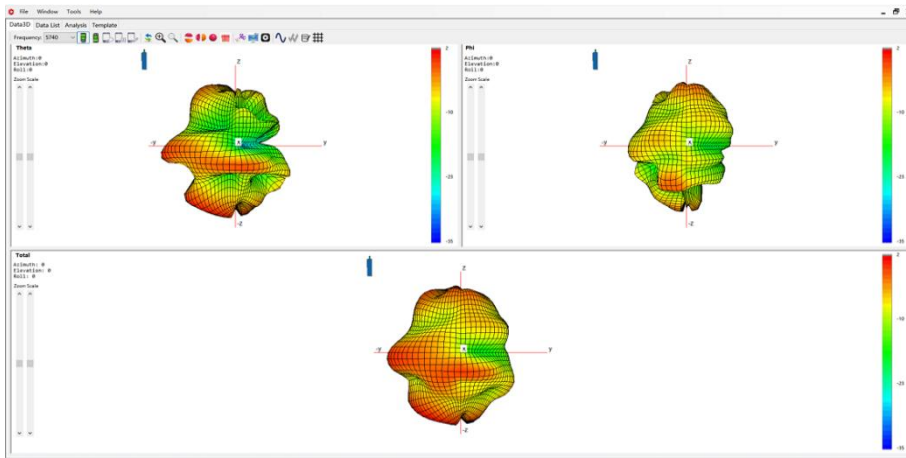
5G WIFI(U-NII-1)



5G WIFI(U-NII-2A)



5G WIFI(U-NII-2C)



5G WIFI(U-NII-3)