
Reversion History :

Version	Date	Modification
1.0	2018.07.14	
1.1	2021.8.05	ANTENNA TEST REPORT

Application:

WLAN, 802.11a/b/g/ac

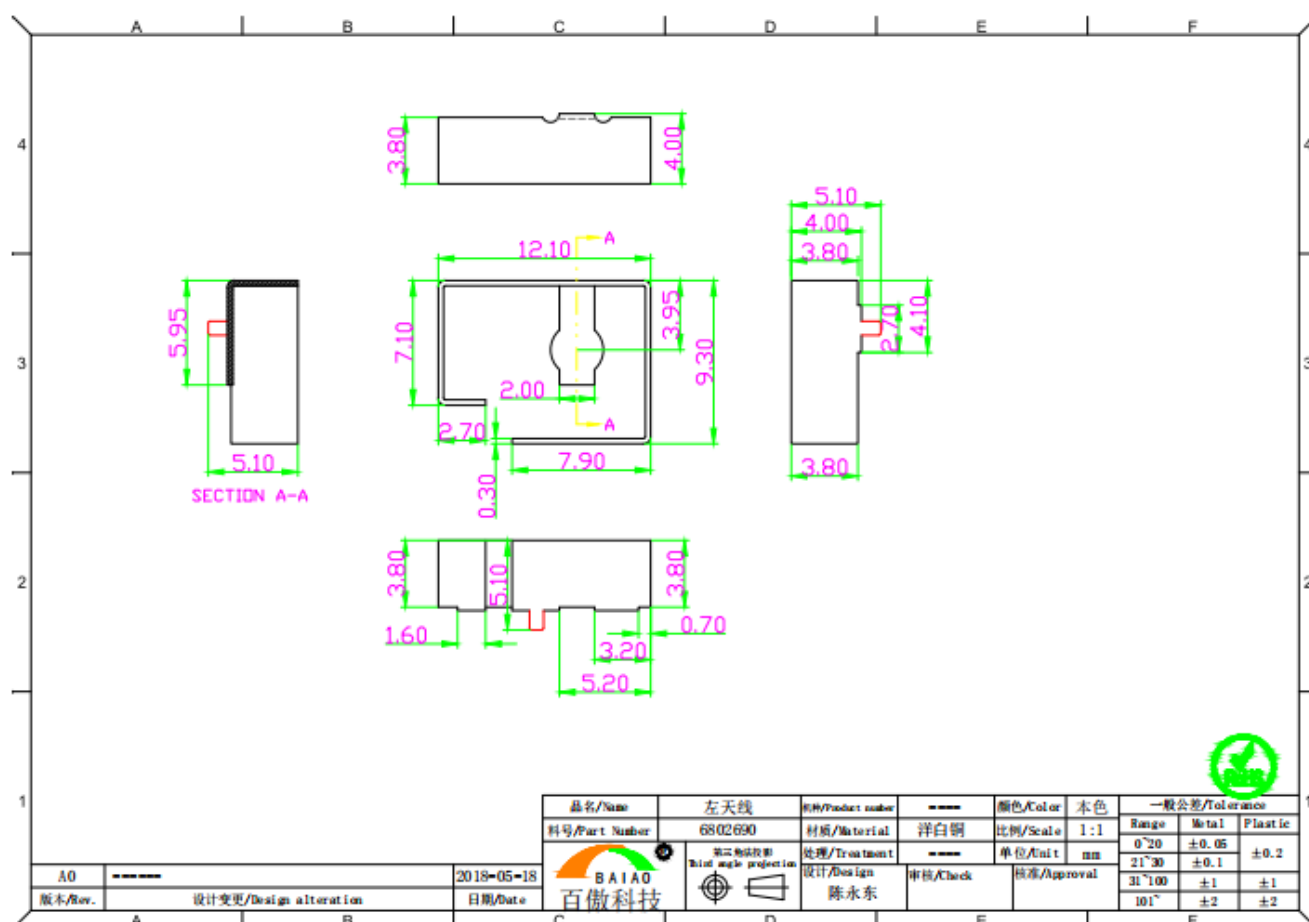
Features

SMD, high reliability, ultra Impact, Omni-directional...

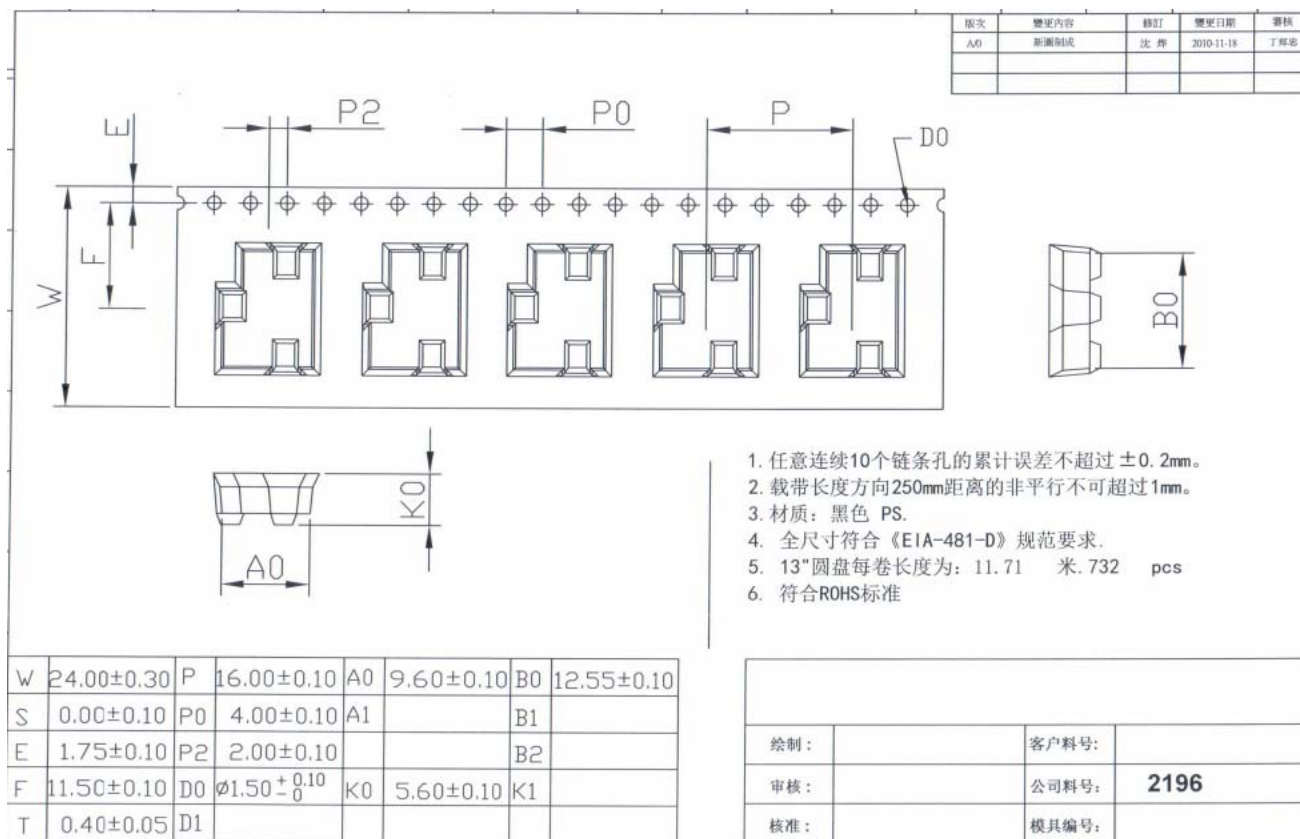
Electrical Specification

Frequency	2400-2500~5100-5900
Peak Gain	2.4G:2.66dBi 5G:3.84dBi
Impedance	50 Ohm
Azimuth Beamwidth	Omni-directional
Operation Temperature °C	-40 ~85°C

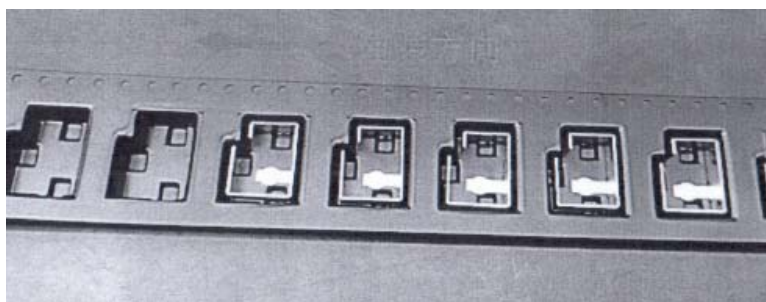
Dimension (Unit: mm) Manufacture: Sichuan B&T Technology Co., Ltd.



Package



**Braiding
direction**

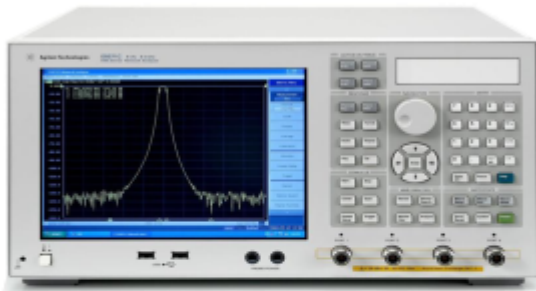


number

700PCS

ANTENNA TEST REPORT

Test equipment



Agilent E5071C

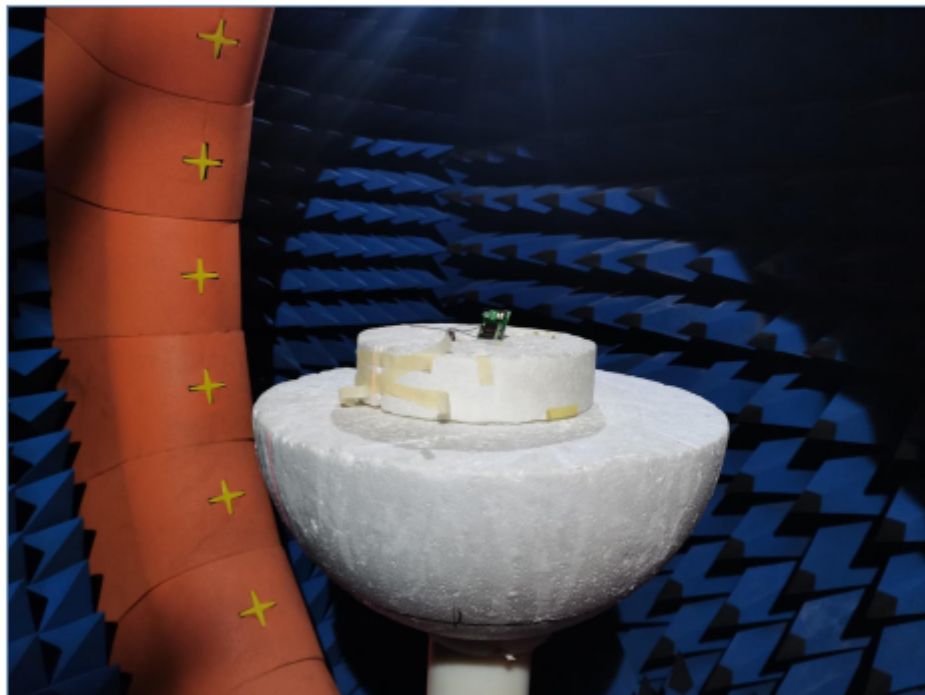
- Frequency: 300 kHz至8.5GHz



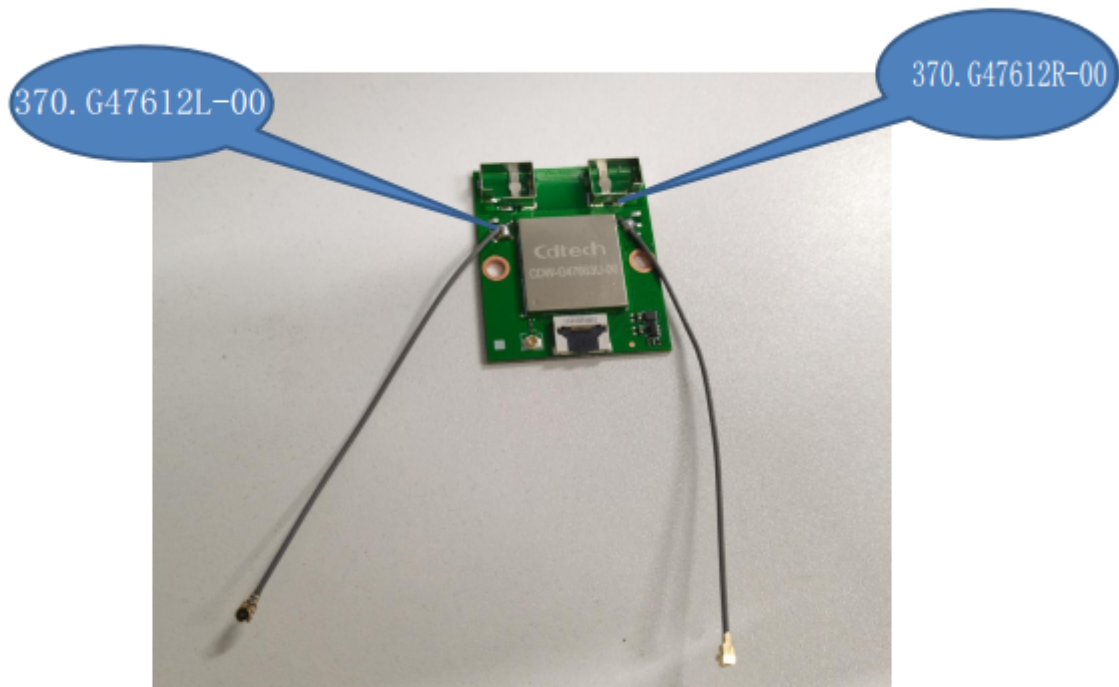
R&S CMW500

- GSM/3G/4G
- WIFI/ Bluetooth
- NB-IoT

Test photos



Passive antenna data



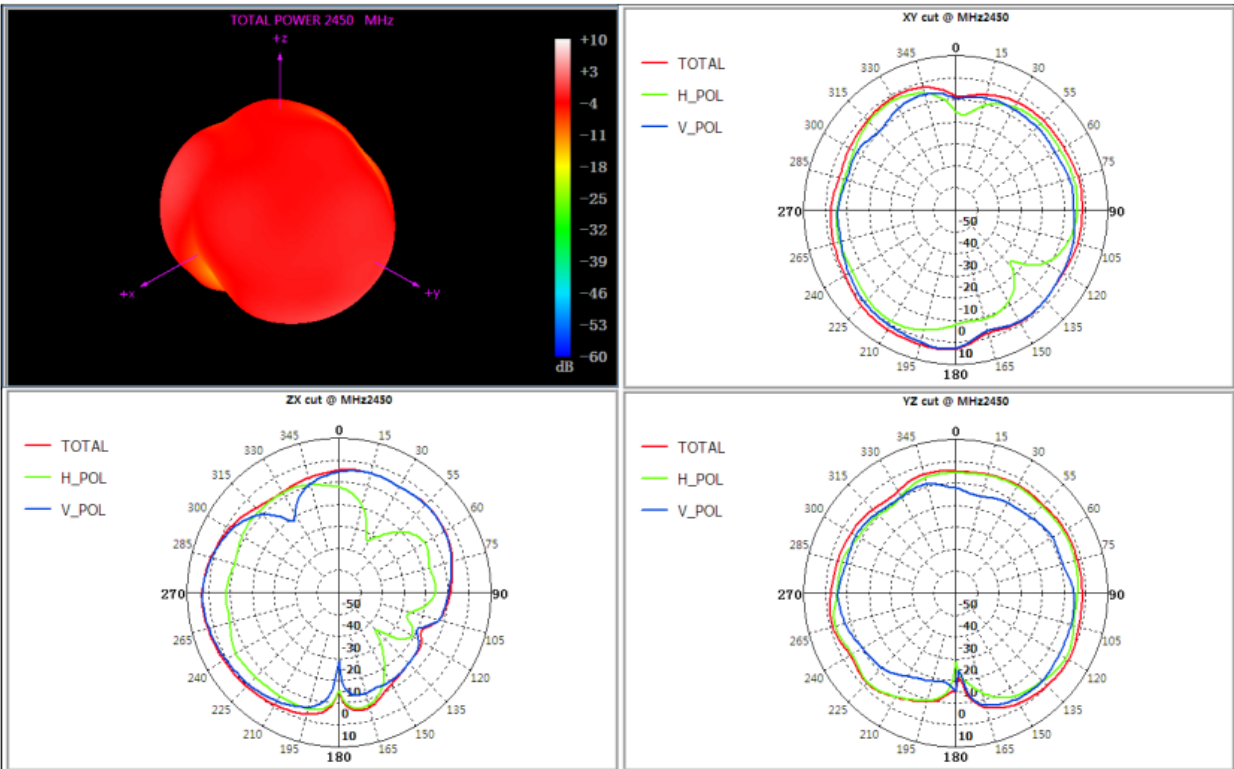
Antenna gain and efficiency

370.G47612L-00 2.4G		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	43.67	2.31
2410	43.91	2.12
2420	45.34	2.37
2430	45.12	2.27
2440	49.37	2.66
2450	49.42	2.64
2460	50.79	2.5
2470	52.15	2.5
2480	53.07	2.64
2490	54.84	2.29
2500	53.6	2.6

370.G47612L-00		5G
Freq(MHz)	Efficiency (%)	Gian(dBi)
5150	52.85	3.68
5200	51.78	3.84
5250	54.12	3.69
5300	65.87	3.8
5350	57.94	3.46
5400	55.03	3.38
5450	53.45	3.25
5500	54.81	3.53
5550	50	3.37
5600	50.59	3.53
5650	51.42	3.49
5700	52.2	3.78
5750	55.39	3.53
5800	52.43	3.31
5850	54.42	3.28

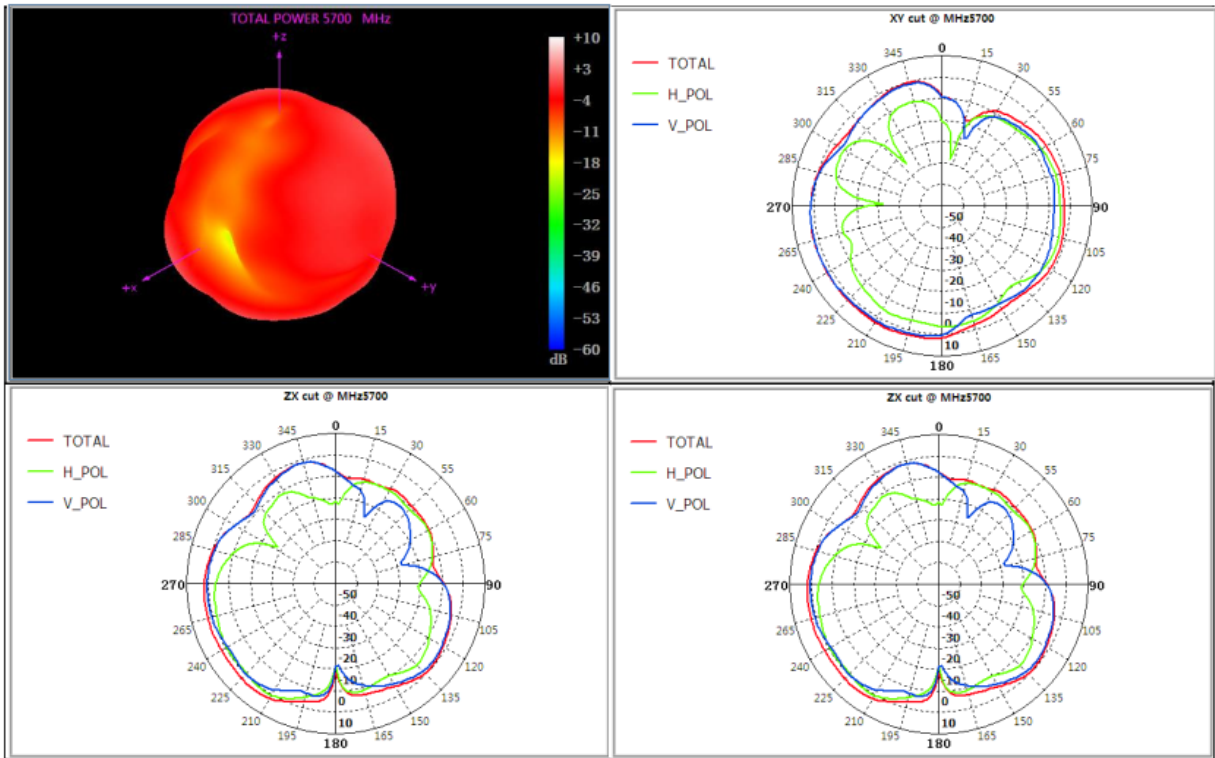
Antenna Radiation Pattern

2.4G



Antenna Radiation Pattern

5G



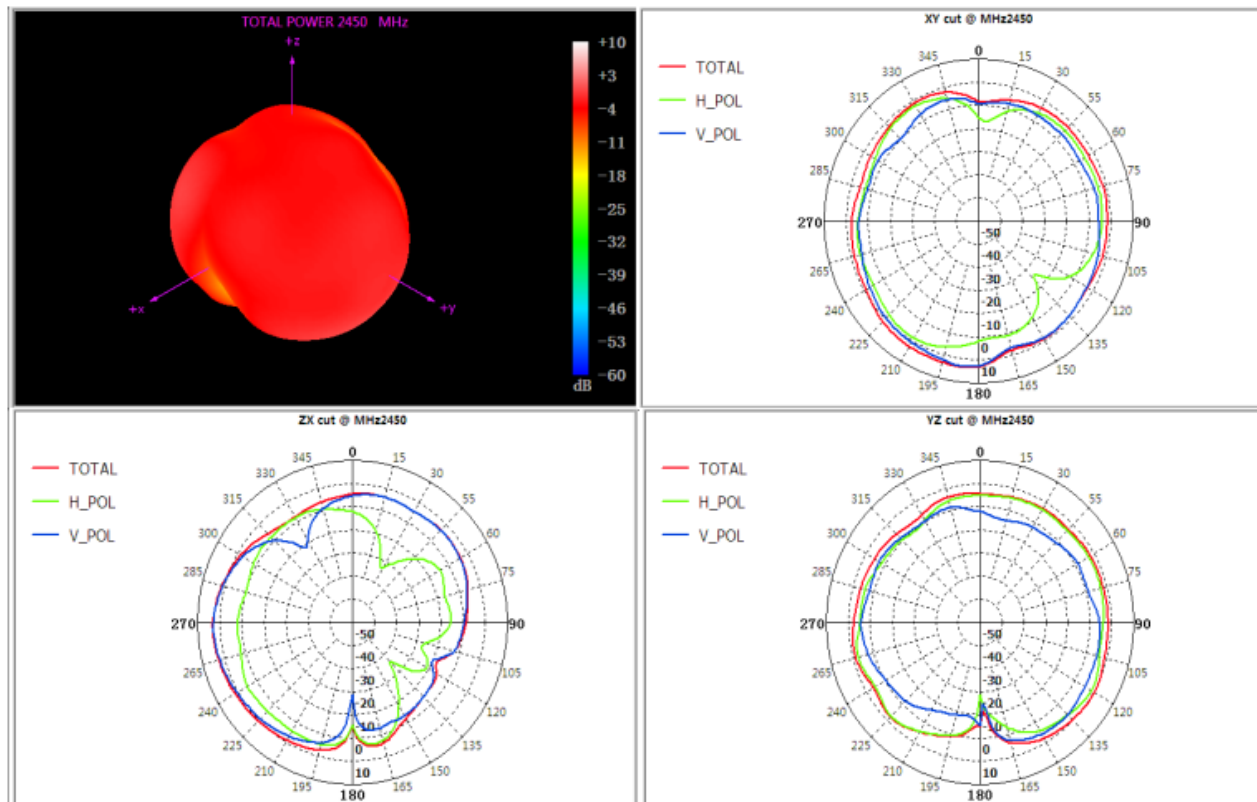
Antenna gain and efficiency

370.G47612R-00 2.4G		
Freq(MHz)	Efficiency (%)	Gian(dBi)
2400	47.18	2.48
2410	46.69	2.05
2420	50.19	2.48
2430	49.73	2.19
2440	49.37	2.21
2450	51.81	2.38
2460	45.09	2.56
2470	48.61	2.04
2480	50.57	2.24
2490	56.05	2.48
2500	49.1	2.48

370.G47612R-00 5G		
Freq(MHz)	Efficiency (%)	Gian(dBi)
5150	48.19	3.504
5200	50.66	3.8
5250	50.98	3.45
5300	50.63	3.43
5350	52.48	3.23
5400	53.91	3.24
5450	53.55	3.35
5500	50.29	3.56
5550	50.77	3.41
5600	50.57	3.48
5650	55.05	3.65
5700	55.44	3.59
5750	58.04	3.31
5800	56.27	3.39
5850	49.66	3.35

Antenna Radiation Pattern

2.4G



Antenna Radiation Pattern

5G

