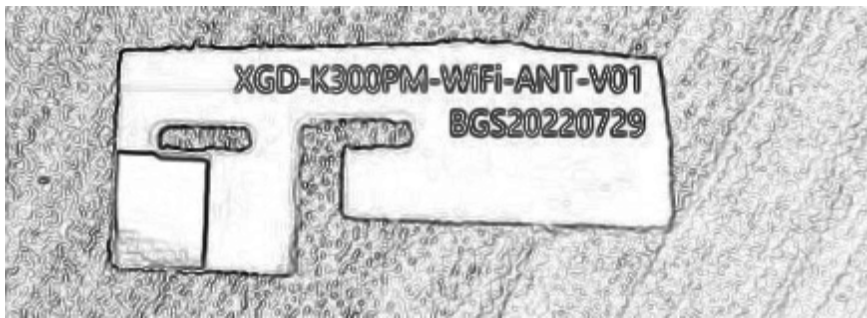


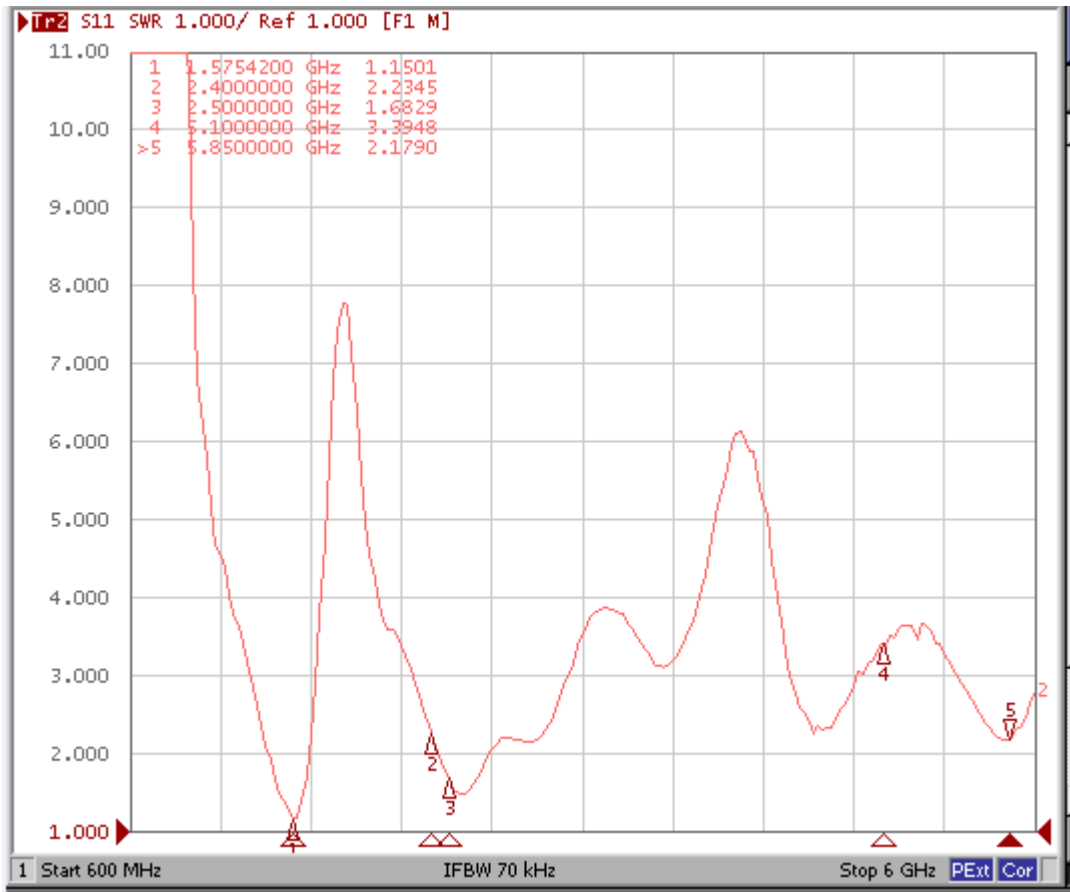
BWG antenna



Company : shenzhenbogesi communication technology co.,ltd

Address: B308, Building B, Saibnuo GMP Factory, No. 19 Keji Middle 1st Road, Maling Community, Yuehai Street, Nanshan District, Shenzhen

1、Passive performance test parameters



2、 antenna passive data :

Frequency/Mhz	Gain / dBi	Efficiency / %	Frequency/Mhz	Gain / dBi	Efficiency / %
1570	-4.82	32.17	5320	-6.43	22.75
1575	-4.62	34.16	5350	-6.4	22.91
1580	-4.91	31.71	5380	-6.55	22.13
2400	-4.8	33.11	5410	-6.38	23.01

2410	-5.2	30.2	5440	-6.4	22.91
2420	-5.33	29.31	5470	-6.26	23.66
2430	-5.37	29.04	5500	-6.19	24.04
2440	-5.18	30.34	5530	-6.9	20.42
2450	-4.95	31.99	5560	-6.41	22.86
2460	-4.95	31.99	5590	-6.23	23.82
2470	-4.61	34.59	5620	-5.91	25.64
2480	-4.62	34.51	5650	-6.06	24.77
2490	-4.62	34.51	5680	-5.77	26.49
2500	-4.79	33.19	5710	-6.22	23.88
5200	-6.85	20.65	5740	-6.51	22.34
5230	-6.92	20.32	5770	-6.26	23.66
5260	-6.56	22.08	5800	-7.08	19.59
5290	-6.4	22.91			

3、Directional diagram

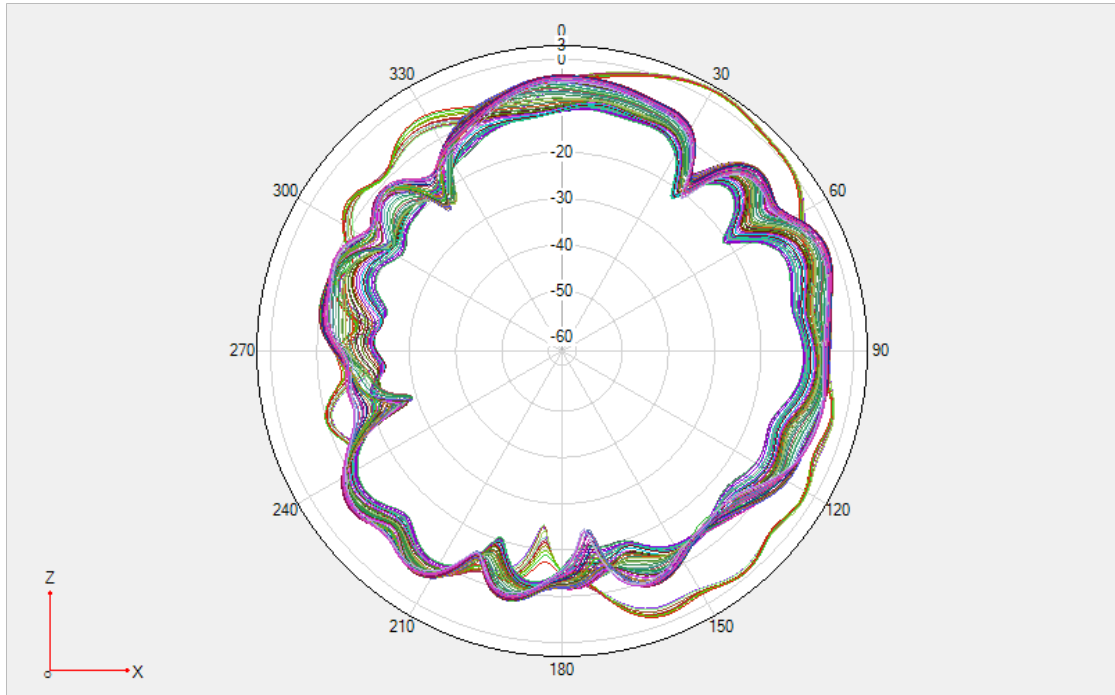


chart4Phi 0 2D

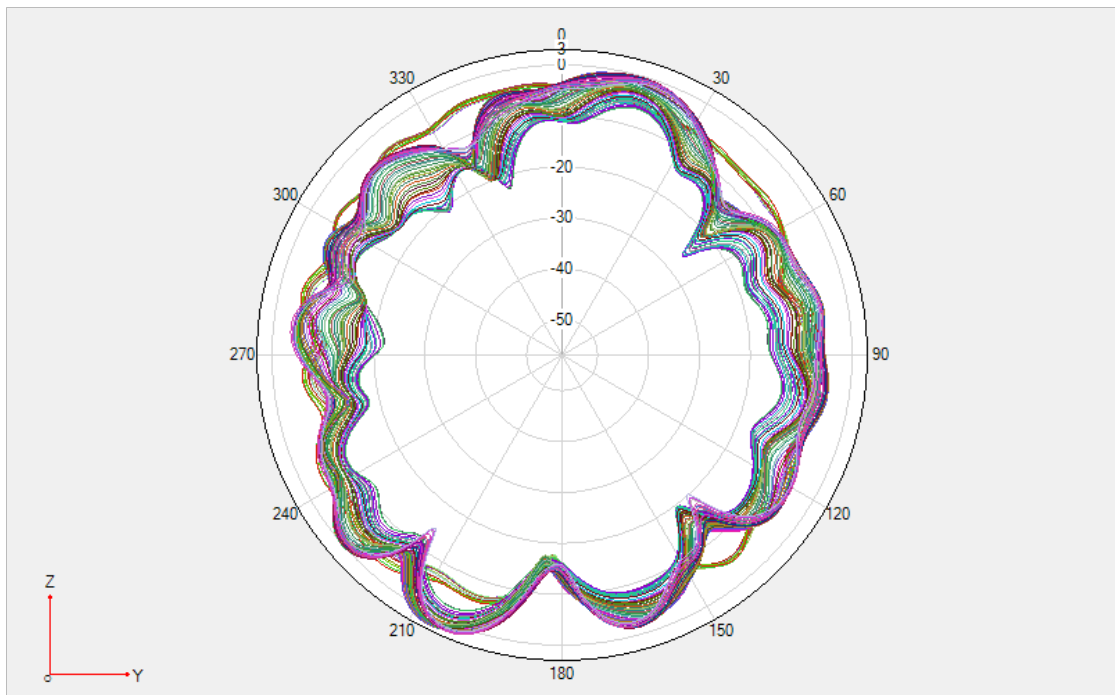


chart5Phi 90 2D

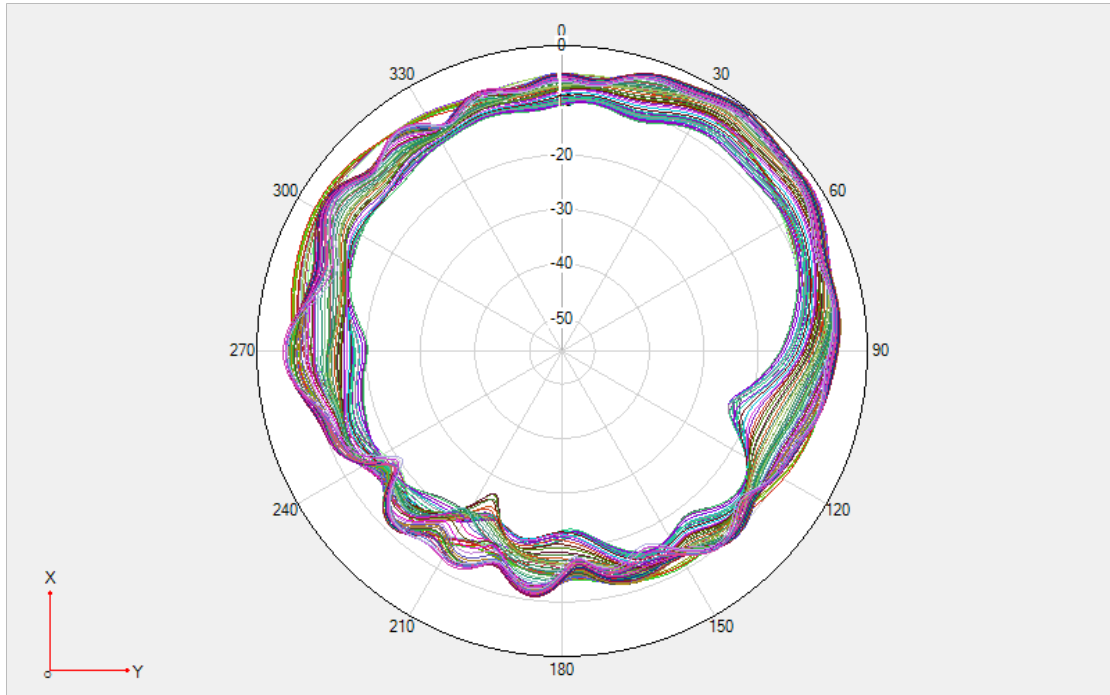


chart6Theta 90 2D

4、 antenna OTA data :

WIFI OTA

Item	Measurement	Band	Channel	Total(dBm)
1	TRP	WIFI_B (11M)	1	12.34
2	TRP	WIFI_B (11M)	6	12.15
3	TRP	WIFI_B (11M)	11	12
4	TIS(EIRP)	WIFI_B (11M)	11	-81.86

13	TRP	WIFI_A (54M)	36	10.61
14	TRP	WIFI_A (54M)	149	9.53
15	TRP	WIFI_A (54M)	165	9.99
16	TIS(EIRP)	WIFI_A (54M)	165	-71.35

GPS OTA

Item	Type	Measurement	UHS(dBm)	PIGS(dBm)	Tis(dBm)
1	Gps	EstimateSensMulSatellite	-138.54	-139.63	-140.38