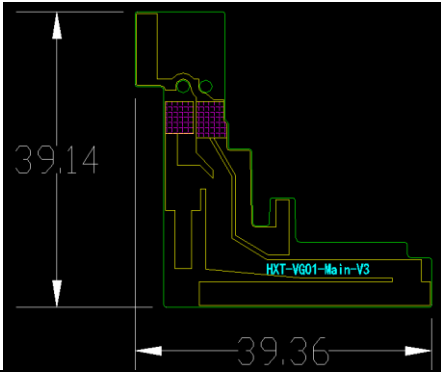
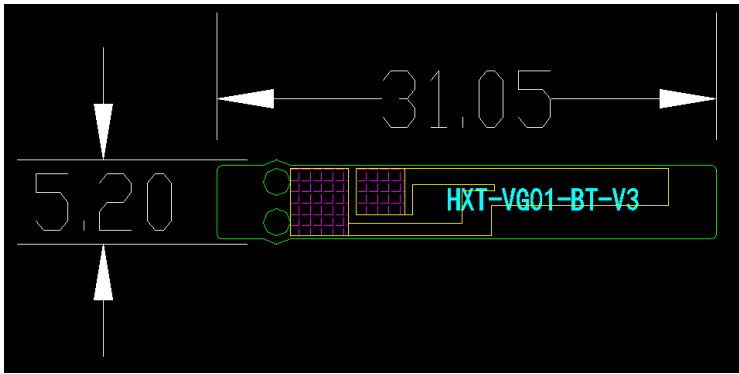
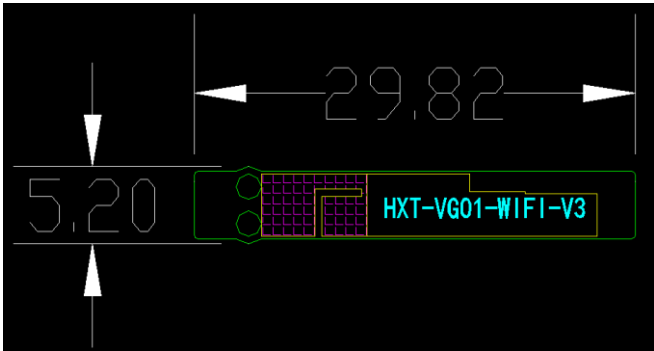
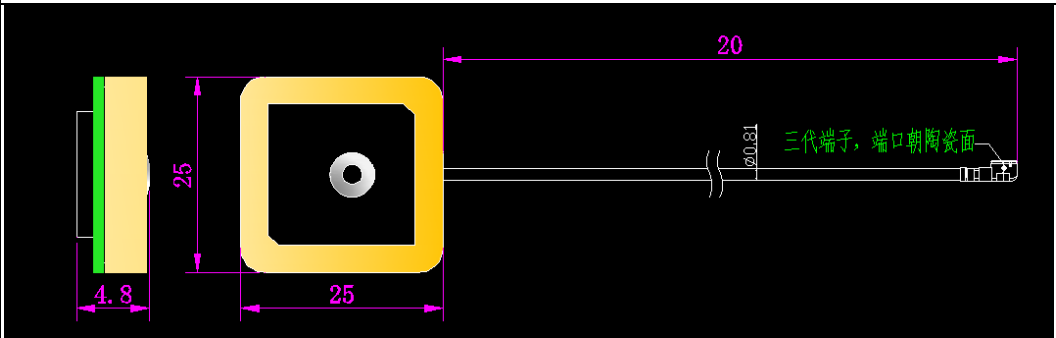


Technical Specification			
Antenna Mode	VG01	Manufactured	SHENZHEN HENGXIANGTONG ANTENNA TECNOLOGY CO., LTD.
Address	606, Building E, Enterprise Aviation Technology Innovation Research and Development Industrial Park, No. 1008, Songbai Road, Sunshine Community, Xili Street, Nanshan District, Shenzhen		
Size & Picture			
	Main: 39.36mm*39.14mm PIFA		
			
	BT: 31.05mm*5.20mm PIFA		
			
	WIFI: 29.82mm*5.20mm PIFA		
			
	GPS:25mm*25mm*4.8mm 陶瓷		

Main LTE 主路并
12N

(MHz)	Effi (dB)	Effi (dBi)	Effi (%)
800	-9.98	-6.76	10.05
810	-8.77	-5.63	13.27
820	-8.07	-4.47	15.6
830	-7.55	-3.7	17.59
840	-6.91	-2.91	20.37
850	-6.1	-2.12	24.55
860	-5.6	-2.05	27.54
870	-4.62	-1.36	34.5
880	-3.97	-1.2	40.12
890	-3.48	-0.64	44.89
900	-3.29	-0.43	46.86
910	-3.08	-0.05	49.22
920	-3.21	-0.1	47.77
930	-3.22	0.17	47.61
940	-3.39	0.08	45.78
950	-3.64	-0.13	43.28
960	-4.06	-0.67	39.27
970	-4.49	-1.27	35.58
980	-4.86	-1.43	32.69
990	-5.17	-1.76	30.38
1000	-5.36	-1.84	29.11
1700	-8.47	-3.15	14.22
1720	-8.25	-3.26	14.95
1740	-7.59	-2.82	17.41
1760	-7.23	-2.65	18.91
1780	-7.12	-2.57	19.4
1800	-6.89	-2.4	20.46
1820	-6.71	-2.23	21.31
1840	-6.76	-2.3	21.1
1860	-6.58	-2.06	21.97
1880	-6.66	-2.3	21.58
1900	-6.38	-2.52	23.02
1920	-5.99	-2.44	25.16
1940	-5.65	-2.2	27.24
1960	-5.4	-2.1	28.86
1980	-5.16	-2.11	30.51
2000	-5.02	-1.97	31.5
2020	-4.96	-1.62	31.91
2040	-4.74	-1.32	33.55
2060	-4.92	-1.48	32.2
2080	-5.35	-1.72	29.18
2100	-5.72	-2.13	26.77
2120	-5.91	-2.35	25.67
2140	-5.98	-2.57	25.23
2160	-5.94	-2.91	25.5

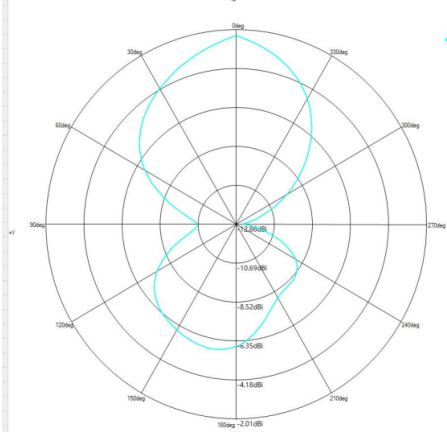
2180	-5.95	-3.49	25.42
2200	-5.95	-3.38	25.39
2220	-5.83	-3.12	26.09
2240	-5.84	-3.29	26.06
2260	-5.71	-3.14	26.82
2280	-5.48	-2.94	28.3
2300	-5.38	-2.42	28.94
2320	-5.37	-1.94	29.01
2340	-5.29	-1.46	29.6
2360	-5.43	-1.67	28.64
2380	-6.03	-2.43	24.95
2400	-6.02	-2.47	25.02
2420	-6.18	-2.44	24.1
2440	-6.28	-2.23	23.56
2460	-6.23	-2.16	23.83
2480	-5.96	-1.97	25.36
2500	-5.92	-2.25	25.57
2520	-6.23	-2.67	23.85
2540	-6.23	-2.59	23.83
2560	-6.44	-2.81	22.69
2580	-6.59	-2.87	21.94
2600	-6.52	-2.84	22.27
2620	-6.31	-2.95	23.37
2640	-6.69	-3.76	21.43
2660	-6.99	-4.12	20.02
2680	-7.09	-4.53	19.54
2700	-7.13	-4.44	19.37

开关 10N

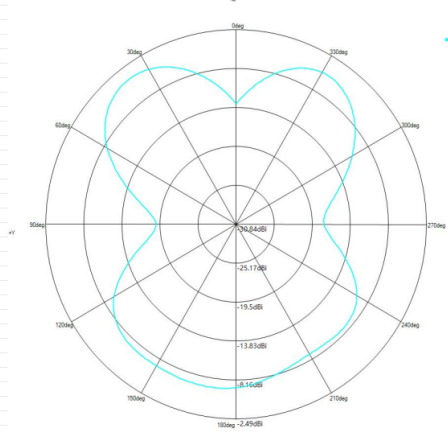
(MHz)	Effi	Effi	Effi
	(dB)	(dBi)	(%)
700	-9.65	-6.86	10.84
710	-8.65	-5.8	13.63
720	-7.65	-4.89	17.16
730	-7.27	-4.6	18.76
740	-7.15	-4.65	19.29
750	-6.83	-4.27	20.77
760	-6.54	-4.03	22.19
770	-6.2	-3.65	23.99
780	-6.12	-3.25	24.43
790	-6.24	-3.26	23.78
800	-6.17	-2.92	24.15
810	-6.21	-2.9	23.92
820	-6.92	-3.04	20.33
830	-7.42	-3.25	18.11
840	-7.87	-3.55	16.34
850	-8.28	-4.29	14.85
860	-8.81	-5.25	13.16
870	-8.65	-5.44	13.65

880	-8.82	-6.04	13.12
890	-8.87	-6.08	12.98
900	-8.9	-6.22	12.87
910	-9.1	-6.2	12.29
920	-9.44	-6.53	11.37
930	-9.46	-6.29	11.33
940	-9.76	-6.41	10.58
950	-9.92	-6.41	10.19
960	-10.03	-6.62	9.93
970	-10.25	-6.9	9.45
980	-10.41	-7.02	9.1
990	-10.42	-7	9.08

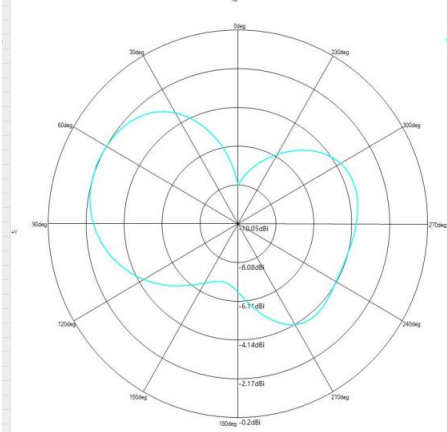
Freq(MHz) 820 ZY-Plane Max. -2.33674 Ave. -5.9367 Min. -12.3976



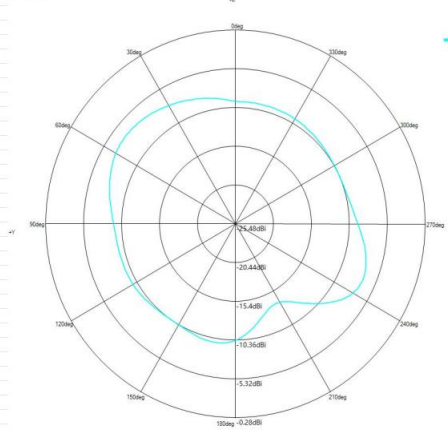
Freq(MHz) 820 ZY-Plane Max. -4.74525 Ave. -9.26721 Min. -18.8864



Freq(MHz) 2000 ZY-Plane Max. -2.15102 Ave. -4.26593 Min. -8.0843



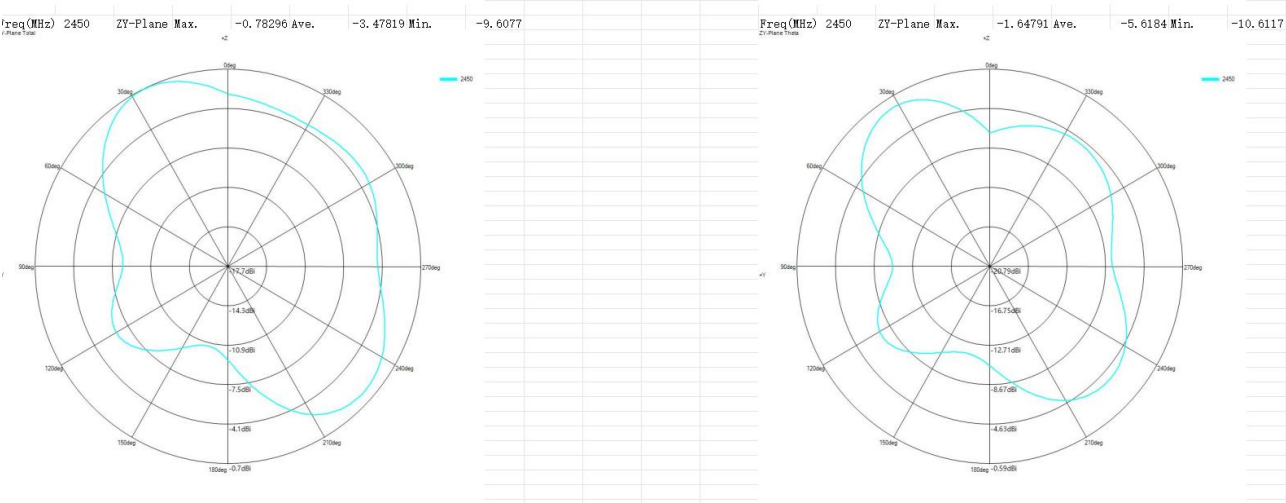
Freq(MHz) 2000 ZY-Plane Max. -7.09269 Ave. -9.10284 Min. -13.7293



BT

(MHz)	Effi	Effi	Effi
	(dB)	(dBi)	(%)
2300	-9.68	-4.21	10.76
2310	-9.52	-4.18	11.17
2320	-9.4	-4.45	11.47
2330	-9.18	-4.55	12.07
2340	-8.79	-4.45	13.22
2350	-8.55	-4.15	13.97
2360	-8.1	-4.02	15.49
2370	-7.8	-3.82	16.61

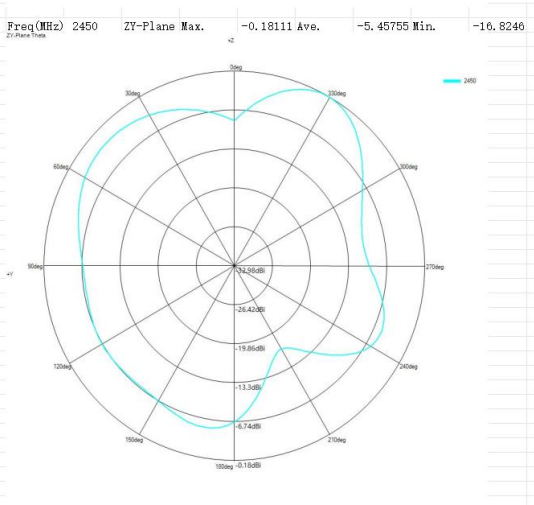
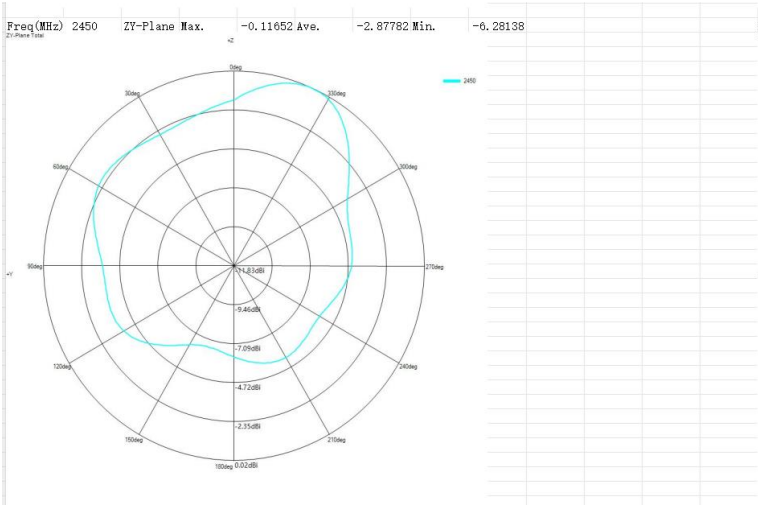
2380	-7.64	-3.86	17.22
2390	-7.32	-3.65	18.53
2400	-6.9	-3.49	20.41
2410	-6.58	-3.15	21.97
2420	-6.11	-2.31	24.52
2430	-5.82	-1.66	26.19
2440	-5.42	-1.1	28.74
2450	-5.27	-0.88	29.74
2460	-5.24	-0.61	29.92
2470	-5.34	-0.83	29.25
2480	-5.54	-1.14	27.9
2490	-5.65	-1.49	27.22
2500	-5.97	-2	25.28
2510	-6.29	-2.31	23.52
2520	-6.74	-2.7	21.19
2530	-7.11	-3.07	19.45
2540	-7.37	-3.4	18.31
2550	-7.42	-3.33	18.1
2560	-7.83	-3.7	16.5
2570	-7.91	-3.68	16.18
2580	-8.15	-3.72	15.3
2590	-8.42	-3.67	14.4
2600	-8.7	-4.2	13.48



WIFI

(MHz)	Effi	Effi	Effi
	(dB)	(dBi)	(%)
2300	-5.69	-0.45	26.96
2310	-5.43	-0.27	28.62
2320	-5.17	0	30.4
2330	-4.8	0.26	33.08
2340	-4.35	0.72	36.74
2350	-3.96	1.06	40.15
2360	-3.69	1.35	42.78
2370	-3.32	1.79	46.58

2380	-3.36	1.73	46.12
2390	-3.17	1.9	48.22
2400	-3.06	2	49.45
2410	-3.14	1.87	48.48
2420	-3.08	2.03	49.21
2430	-3.15	1.68	48.38
2440	-3.19	1.45	48
2450	-3.3	1.25	46.78
2460	-3.58	0.98	43.81
2470	-3.86	0.56	41.12
2480	-3.94	0.3	40.36
2490	-4.16	-0.19	38.37
2500	-4.23	-0.35	37.73
2510	-4.34	-0.43	36.77
2520	-4.55	-0.12	35.08
2530	-4.72	-0.13	33.7
2540	-4.62	-0.03	34.5
2550	-4.75	-0.17	33.52
2560	-4.83	-0.49	32.89
2570	-4.71	-0.73	33.78
2580	-4.79	-1.12	33.22
2590	-4.68	-1.1	34.07
2600	-4.56	-1.06	34.99

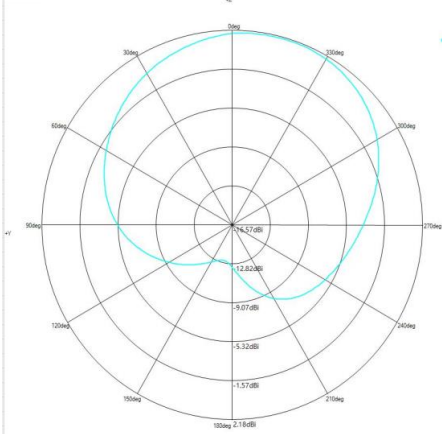


GPS

(MHz)	Effi	Effi	Effi
	(dB)	(dBi)	(%)
1520	-12.78	-9.19	5.27
1525	-12.09	-8.49	6.18
1530	-11.44	-7.9	7.17
1535	-10.77	-7.12	8.37
1540	-10.02	-6.44	9.94
1545	-9.25	-5.55	11.89
1550	-8.01	-4.45	15.8
1555	-6.89	-3.2	20.45

1560	-5.71	-2.05	26.86
1565	-4.44	-0.57	35.95
1570	-3.59	0.37	43.75
1575	-3.55	0.55	44.2
1580	-4.34	0.24	36.83
1585	-4.96	-0.53	31.89
1590	-4.65	-1.03	34.28
1595	-4.09	-0.29	38.97
1600	-4.53	-0.7	35.21
1605	-5.58	-1.58	27.66
1610	-6.81	-2.71	20.85
1615	-8.27	-4.13	14.9
1620	-9.59	-5.37	11
1625	-10.75	-6.52	8.41

Freq(MHz) 1575 ZY-Plane Max. 1.925068 Ave. -1.09892 Min. -12.4626



Freq(MHz) 1575 ZY-Plane Max. -1.10013 Ave. -4.27473 Min. -26.3806

