

Antenna Specification Document

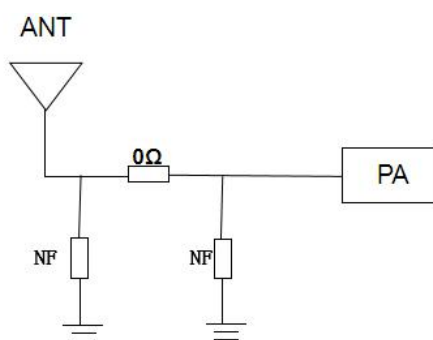
Model: BBT076-S7C-80I

Specification description: WIFI Antenna

Shenzhen Qianmu Communication Technology Co.,Ltd.

Room 425, 443, 4th Floor, Building A, Huafeng Zhigu - Hangcheng High-tech
Industrial Park, Aviation Road, Sanwei Community, Hangcheng Sub-district,
Bao'an District, Shenzhen City

1、Matching circuit – WIFI antenna



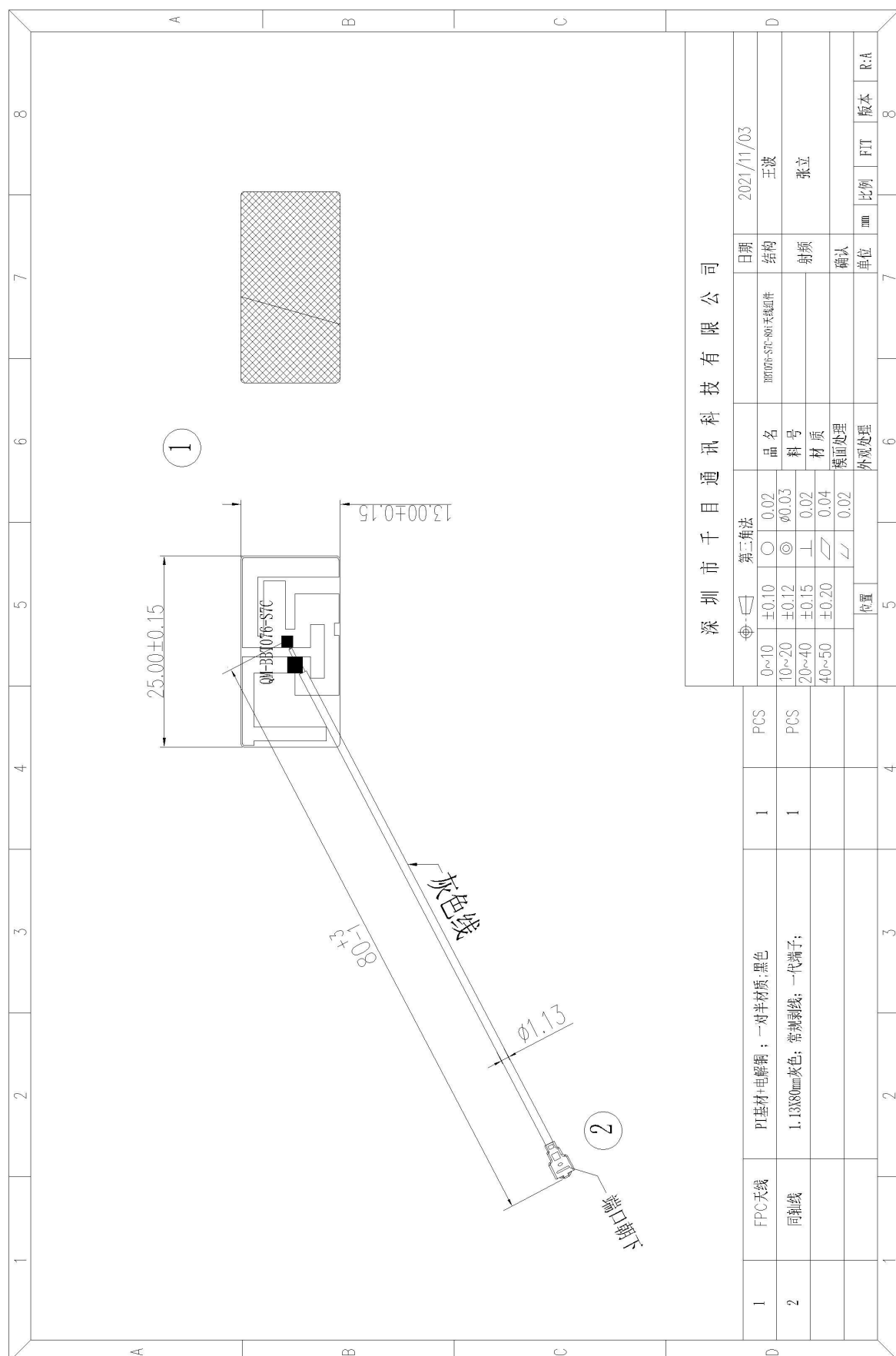
贵司原始匹配未做任何修改

2、WIFI antenna efficiency

Passive Test For 2.4GWIFI										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	43.67	-3.6	1.33	-0.82	17.608	26.061	1.33	-21.22	48.51	48.38
2410	48.5	-3.14	1.89	-0.26	19.797	28.704	1.89	-20.13	48.83	48.65
2420	50.88	-2.93	2.19	0.04	20.82	30.065	2.19	-18.81	49.05	49
2430	50.78	-2.94	2.16	0.01	20.611	30.164	2.16	-17.91	49.05	48.89
2440	49.58	-3.05	2.01	-0.14	19.805	29.78	2.01	-17.2	49.08	48.97
2450	50.46	-2.97	2.01	-0.14	19.63	30.827	2.01	-17.07	49.01	48.85
2460	47.3	-3.25	1.65	-0.5	17.888	29.413	1.65	-17	48.86	48.7
2470	47.61	-3.22	1.68	-0.47	17.549	30.06	1.68	-17.06	48.86	48.78
2480	49.95	-3.01	1.92	-0.23	18.183	31.77	1.92	-16.93	49.29	49.19
2490	58.24	-2.35	2.71	0.56	21.081	37.157	2.71	-15.74	49.92	49.75
2500	57.18	-2.43	2.73	0.58	20.791	36.394	2.73	-15.34	49.95	49.77

Passive Test For 5G										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
5010	53.89	-2.69	2.47	0.32	19.851	34.034	2.47	-13.96	59.68	58.34
5100	48.55	-3.14	1.92	-0.23	18.729	29.817	1.92	-13.41	59.72	58.13
5200	48.43	-3.15	2.21	0.06	19.261	29.165	2.21	-13.74	58.96	58.14
5300	46.22	-3.35	2	-0.15	18.451	27.774	2	-13.98	59.57	58.89
5400	56.04	-2.51	2.55	0.4	22.881	33.16	2.55	-12.75	59.79	59.34
5500	58.11	-2.36	2.94	0.79	24.26	33.847	2.94	-16.14	60.9	60.27
5600	54.72	-2.62	3.27	1.12	23.657	31.068	3.27	-15.93	62.08	61.71
5700	47.39	-3.24	2.62	0.47	20.695	26.692	2.62	-13.81	62.34	62.11
5800	51.36	-2.89	2.97	0.82	21.764	29.6	2.97	-21	61.87	61.75

3、 dimension figure



4、Antenna patterns

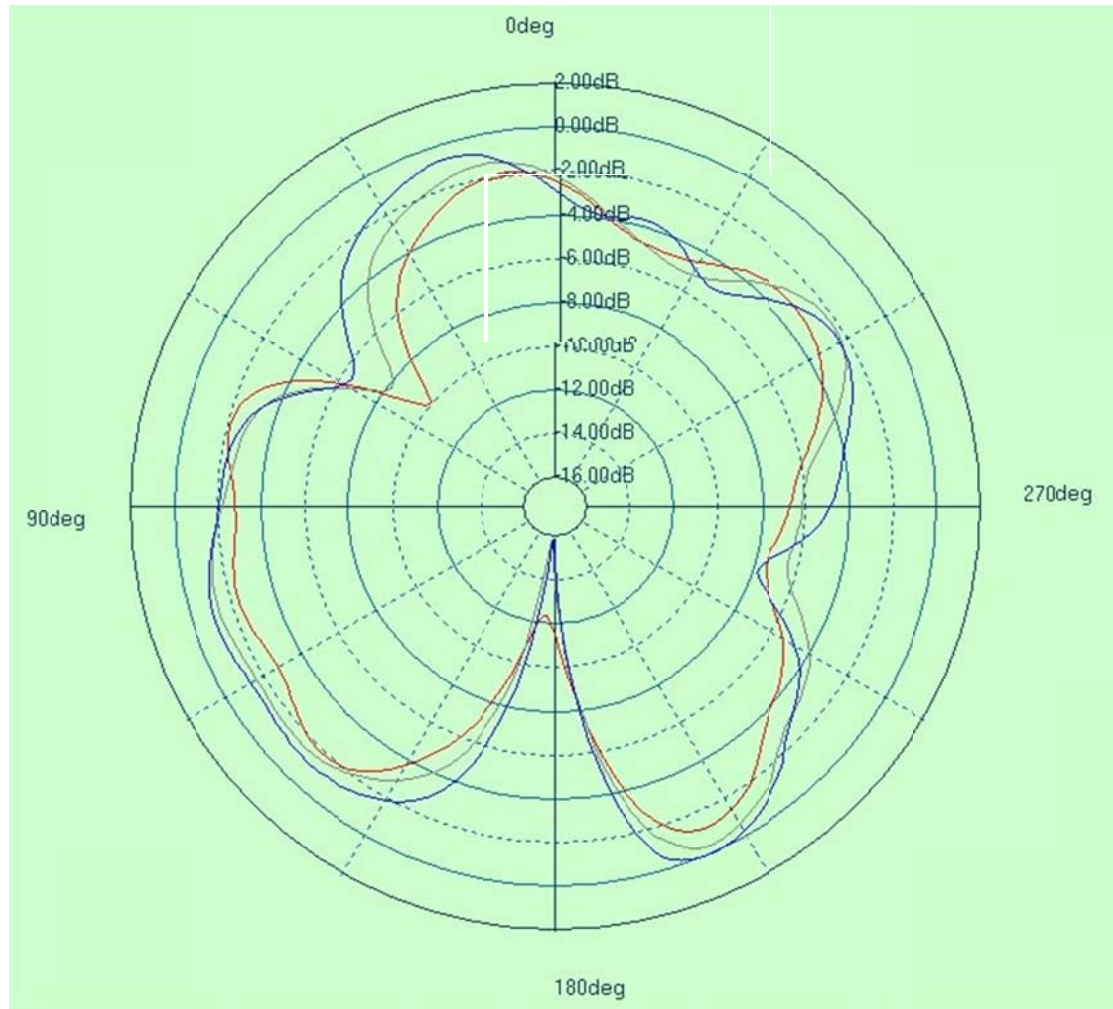
2400.00MHz

2450.00MHz

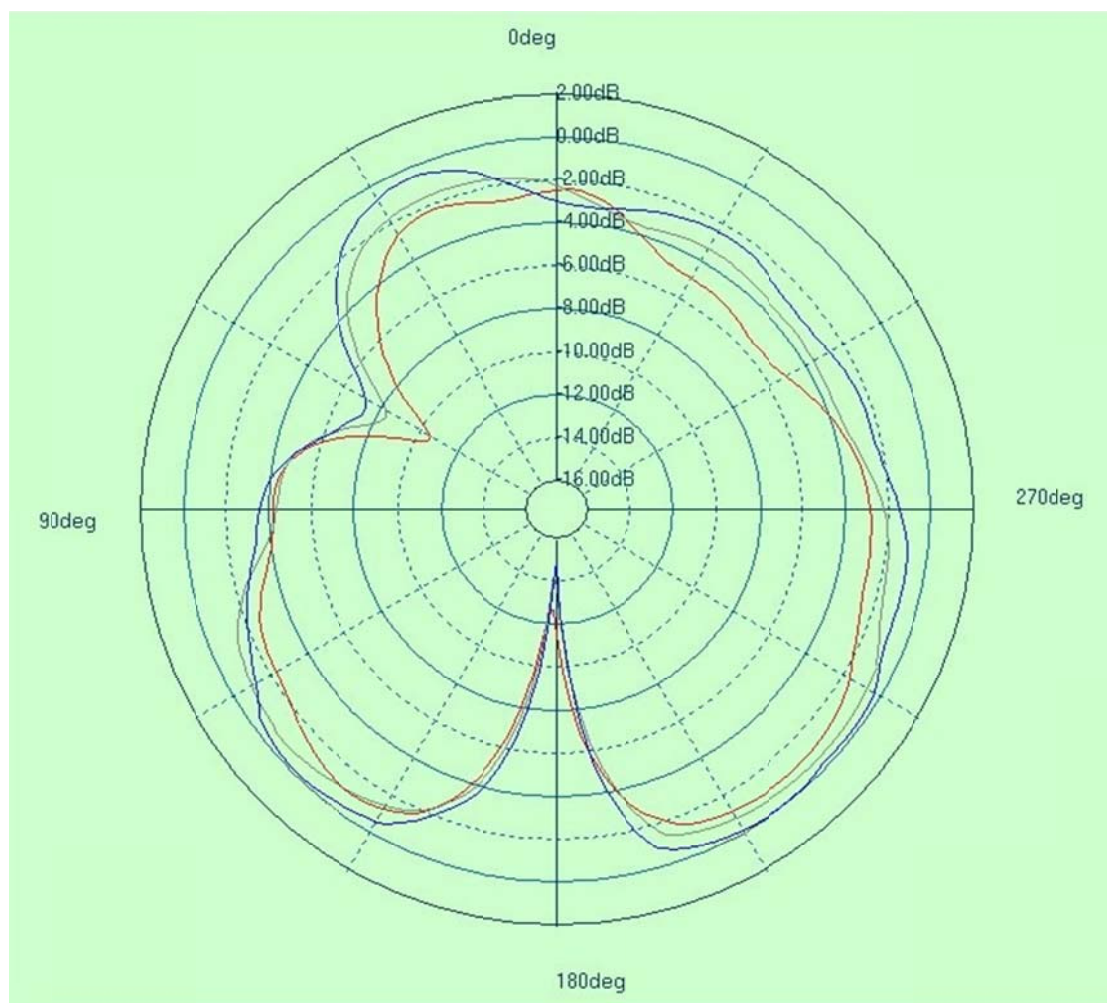
5010.00MHz

5800.00MHz

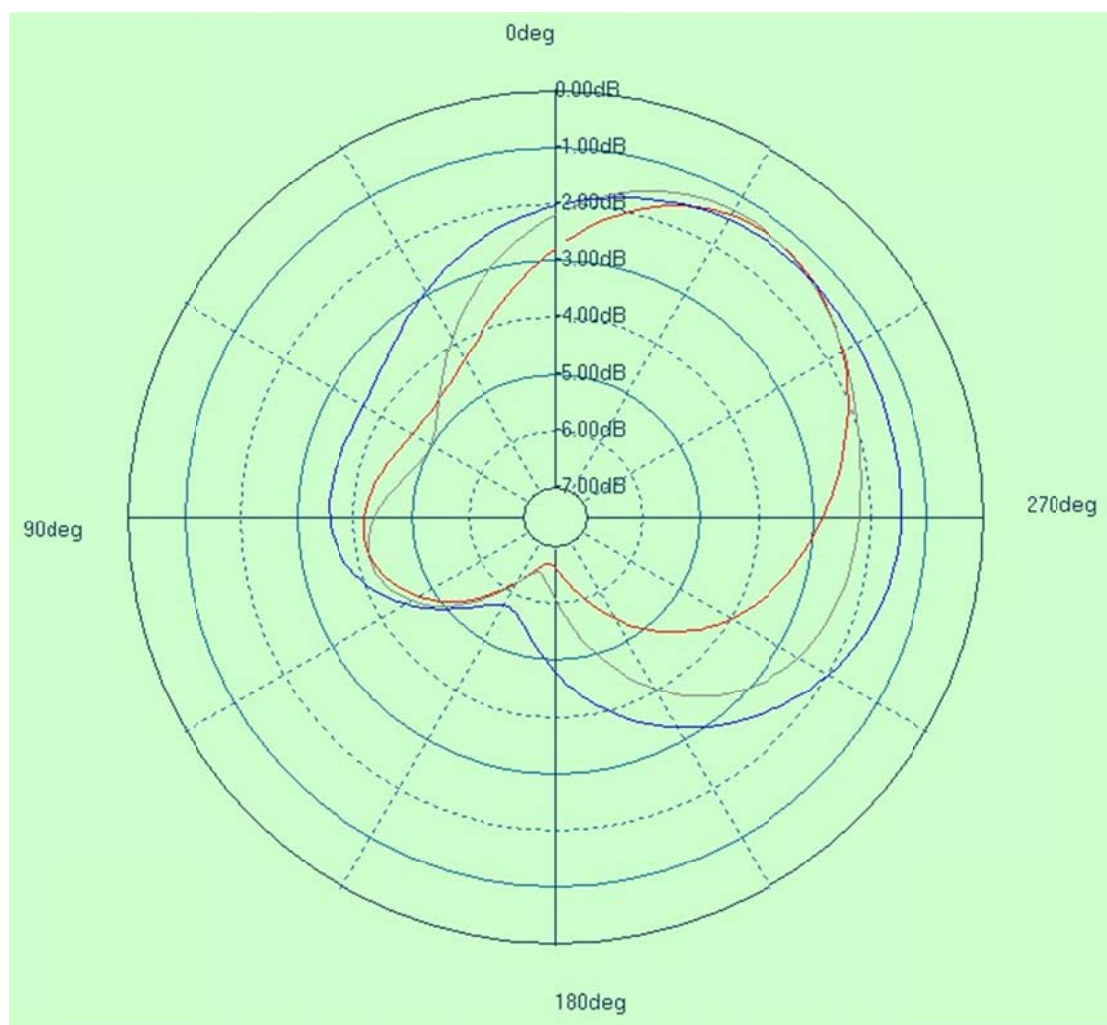
XOZ



2400.00MHz
2450.00MHz
5010.00MHz
5800.00MHz YOZ



2400.00MHz
2450.00MHz
5010.00MHz
5800.00MHz XOY



#