

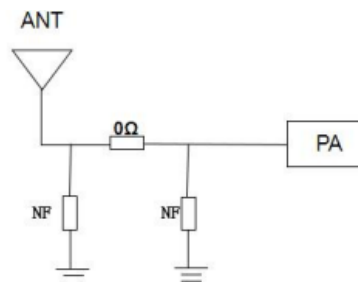
Antenna specification

Name: Projector-ANT-H9

Frequency Range: 2400-2500MHz ;
5000-6000MHz

Date: 2024/1/7

Building-out Circuit



Bluetooth Antenna Gain:

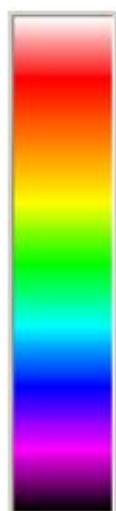
Passive Test For 2.4G										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	43.67	-3.6	1.33	-0.82	17.608	26.061	1.33	-21.22	48.51	48.38
2410	48.5	-3.14	1.89	-0.26	19.797	28.704	1.89	-20.13	48.83	48.65
2420	50.88	-2.93	2.19	0.04	20.82	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

2.4G WIFI Antenna Gain:

Passive Test For 2.4G										
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

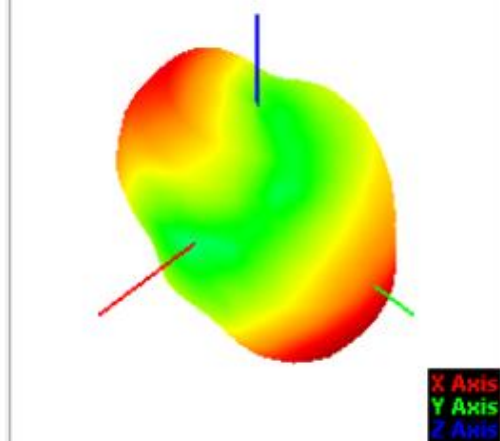
5G WIFI Antenna Gain:

Passive Test For 5G										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
5000	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
5900	51.36	-2.89	2.97	0.82	21.764	29.6	2.97	-21	61.87	61.75

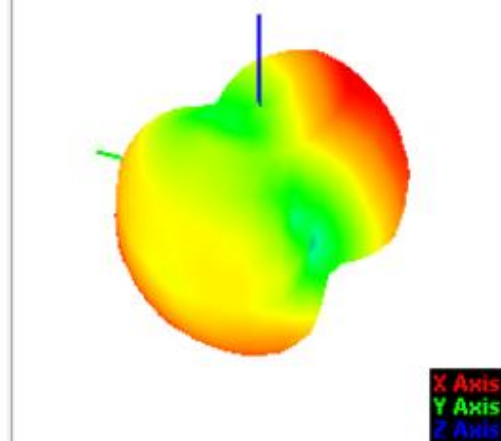


1.33
0.37
-0.82
-2.01
-3.19
-4.38
-5.56
-6.75
-7.94
-9.12
-10.31
-11.49
-12.68
-13.86
-15.05
-16.24
-17.42
-18.61

2400.00MHz@T45P45

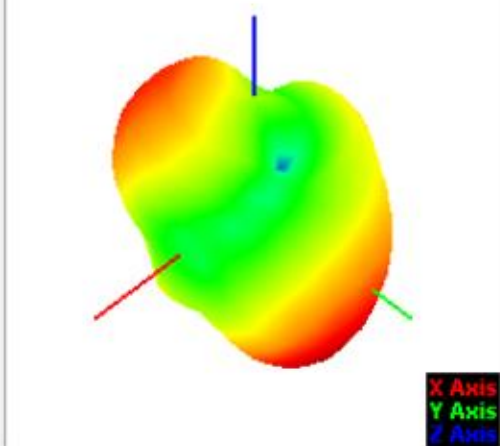


2400.00MHz@T45P200

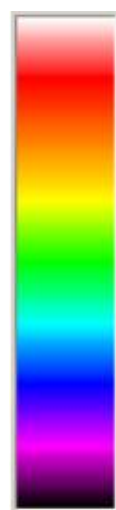
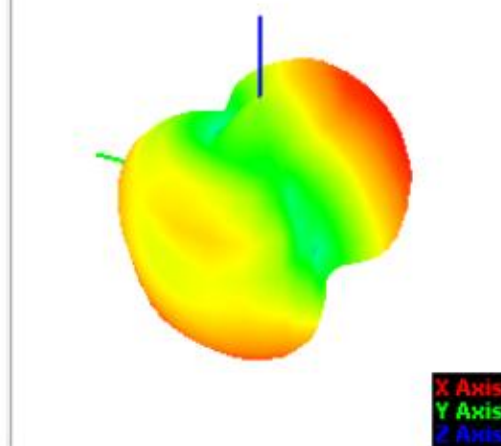


2.011
1.13
-0.04
-1.21
-2.37
-3.54
-4.71
-5.88
-7.04
-8.21
-9.38
-10.55
-11.72
-12.88
-14.05
-15.22
-16.39
-17.55

2450.00MHz@T45P45

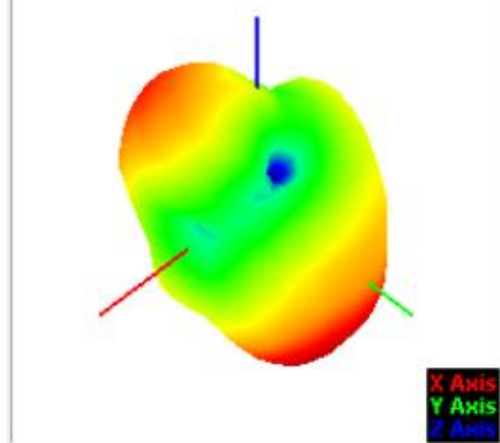


2450.00MHz@T45P200

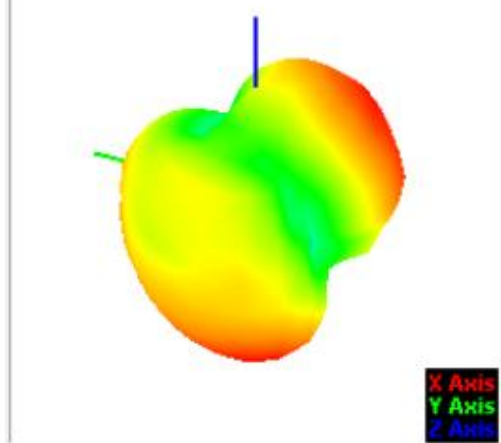


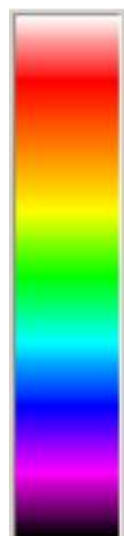
2.73
0.57
-1.01
-2.59
-4.16
-5.74
-7.31
-8.89
-10.46
-12.04
-13.62
-15.19
-16.77
-18.34
-19.92
-21.49
-23.07
-24.64

2500.00MHz@T45P45



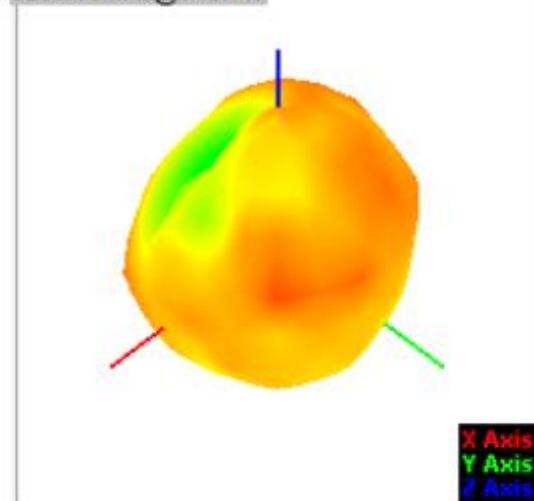
2500.00MHz@T45P200



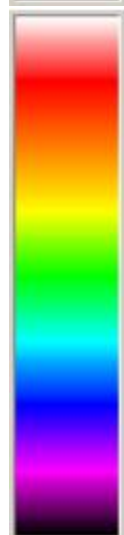
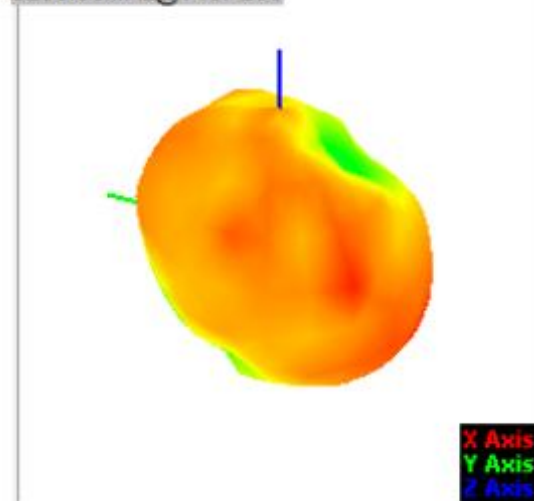


2.21
0.93
-0.14
-1.22
-2.29
-3.36
-4.44
-5.51
-6.59
-7.66
-8.73
-9.81
-10.88
-11.95
-13.03
-14.1
-15.17
-16.25

5200.00MHz@T45P45

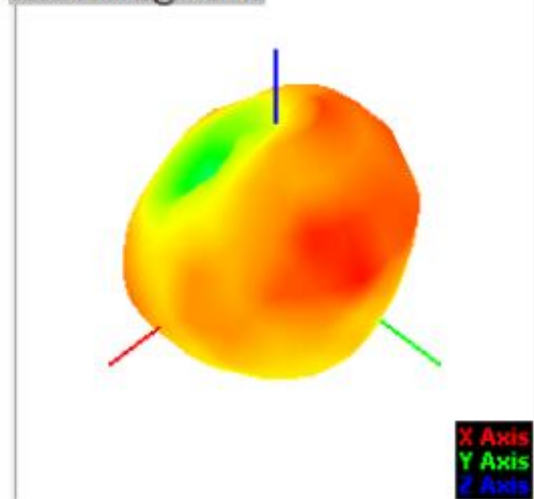


5200.00MHz@T45P200

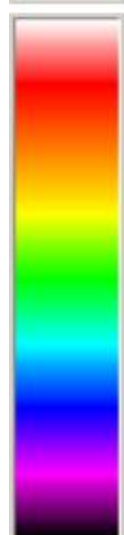
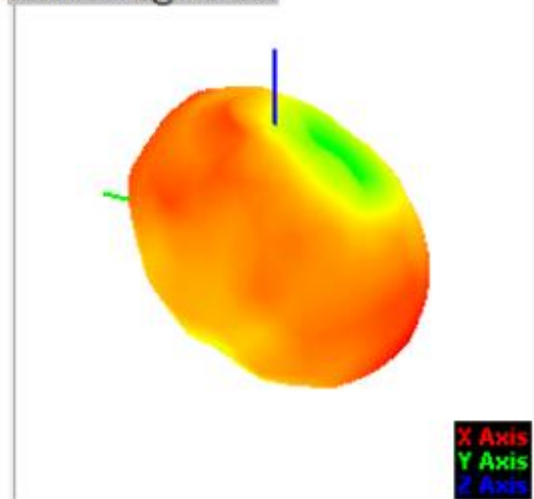


2.49
1.37
0.19
-0.99
-2.17
-3.35
-4.53
-5.71
-6.89
-8.07
-9.25
-10.43
-11.61
-12.79
-13.97
-15.16
-16.34
-17.52

5500.00MHz@T45P45

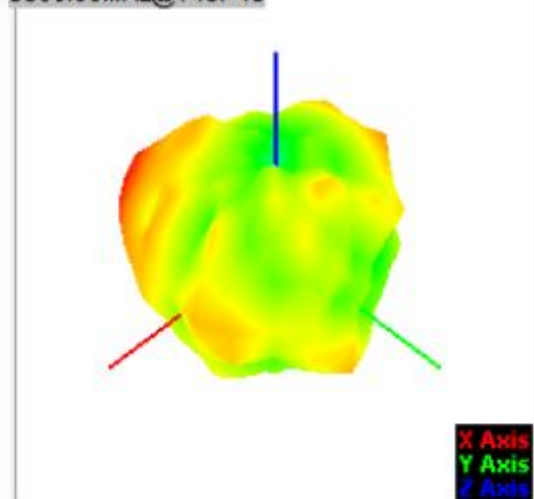


5500.00MHz@T45P200

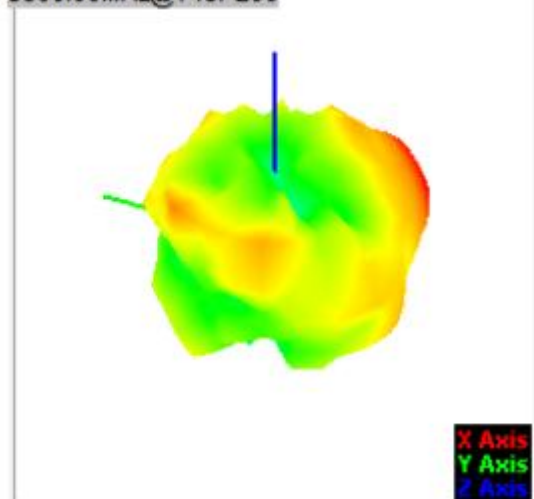


2.98
0.74
-1.07
-2.88
-4.7
-6.51
-8.32
-10.14
-11.95
-13.76
-15.57
-17.39
-19.2
-21.01
-22.83
-24.64
-26.45
-28.26

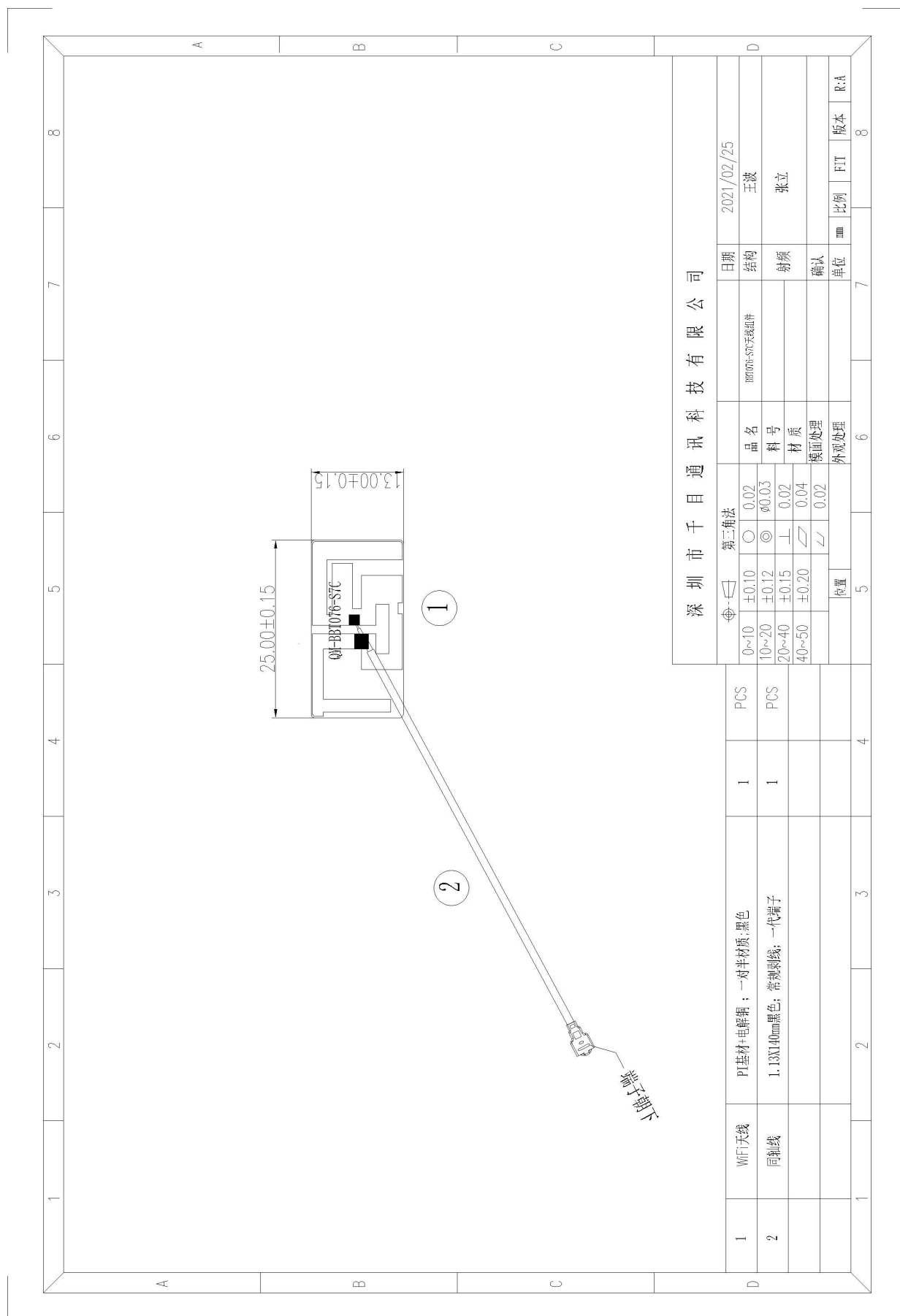
5800.00MHz@T45P45



5800.00MHz@T45P200



Size



Antenna Picture

