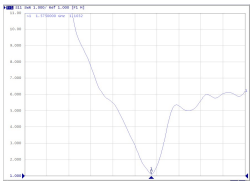


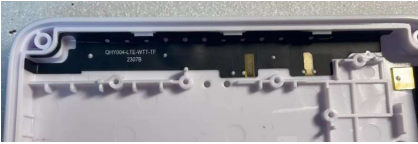
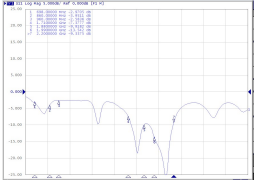
本次报告主要目的：
本次报告主要结论：
本次报告重点注意事项：

无源参数

S11 GPS天线



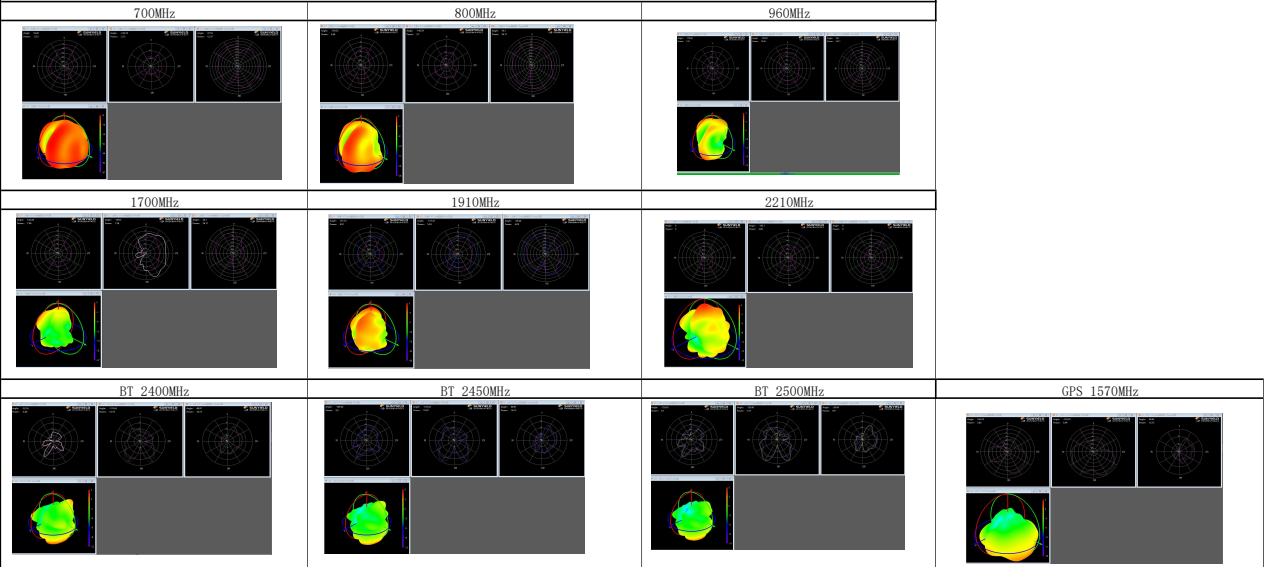
主集天线



BT天线



2D, 3D图

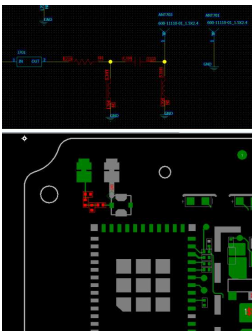


有源		
天线形式LOOP		
	TRP	TIS
LTE-B1	18.66	-96.31
	18.91	-96.22
	17.96	-95.13
LTE-B2	18.86	-95.39
	18.79	-95.74
	18.46	-95.61
LTE-B3	20.11	-96.54
	20.68	-96.37
	20.74	-96.41
LTE-B4	20.55	-96.57
	20.86	96.37
	20.49	-96.18
LTE-B5	18.71	-94.63
	18.63	-94.21
	18.09	-93.66
LTE-B8	17.26	-92.67
	16.52	-92.38
	15.76	-91.98
LTE-B12	17.16	-95.66
	17.68	-96.23
	17.81	-96.37
LTE-B13	19.96	-96.72
LTE-B18	18.73	-95.74
	19.11	-95.37
	19.09	-95.38
LTE-B19	18.34	-94.33
	18.63	-93.87
	18.47	-93.71
LTE-B20	18.74	-96.49
	18.31	-96.48
	18.19	-96.37
LTE-B25	19.34	-96.21
	19.26	-96.15
	19.12	-96.08
LTE-B26	18.66	-93.63
	18.74	-93.87
	18.38	-92.89
LTE-B27	19.27	-94.27
	19.36	-94.55
	19.18	-93.48
LTE-B28	18.44	-96.55
	18.64	-96.28
	18.91	-96.59
LTE-B66	20.88	-96.74
	20.74	-96.89
	20.51	-97.15

主集天线		增益(dBi)		效率(%)	GPS	频率(MHz)	增益(dBi)		效率(%)
	700	-0.83	-5.50	28.18		1520	1.26	-2.11	61.50
	710	0.19	-4.50	35.46		1530	1.18	-2.15	61.00
	720	0.98	-3.64	43.23		1540	1.04	-2.24	59.72
	730	1.72	-3.05	49.54		1550	1.16	-2.25	59.53
	740	1.99	-2.76	52.93		1560	1.40	-2.17	60.73
	750	2.45	-2.32	58.65		1570	1.37	-2.25	59.53
	760	2.59	-2.39	57.69		1580	1.28	-2.37	57.95
	770	2.43	-2.50	56.26		1590	1.40	-2.35	58.19
	780	2.48	-2.64	54.48		1600	1.31	-2.32	58.55
	790	2.05	-3.05	49.58		1610	1.30	-2.35	58.28
	800	2.23	-3.16	48.27		1620	1.42	-2.25	59.61
	810	1.84	-3.47	44.97					
	820	1.20	-3.92	40.53	BT	频率(MHz)	增益(dBi)		效率(%)
	830	1.02	-4.21	37.94		2400	1.26	-2.11	61.5
	840	0.11	-4.70	33.92		2410	1.18	-2.15	61
	850	-0.30	-4.93	32.11		2420	1.04	-2.24	59.72
	860	-0.87	-5.23	29.96		2430	1.16	-2.25	59.53
	870	-1.29	-5.83	26.14		2440	1.4	-2.17	60.73
	880	-1.27	-6.03	24.96		2450	1.37	-2.25	59.53
	890	-1.76	-6.44	22.68		2460	1.28	-2.37	57.95
	900	-2.08	-6.78	20.99		2470	1.4	-2.35	58.19
	910	-2.35	-7.14	19.33		2480	1.31	-2.32	58.55
	920	-2.80	-7.35	18.42		2490	1.3	-2.35	58.28
	930	-2.98	-7.49	17.82		2500	1.42	-2.25	59.61
	940	-3.20	-7.75	16.81					
	950	-3.37	-7.91	16.18					
	960	-3.82	-8.19	15.18					
	1710	0.81	-2.04	62.47					
	1730	0.93	-2.23	59.83					
	1750	0.80	-2.50	56.21					
	1770	0.95	-2.69	53.80					
	1790	1.25	-2.79	52.63					
	1810	1.42	-2.72	53.42					
	1830	0.85	-2.80	52.46					
	1850	0.34	-2.85	51.89					
	1870	-0.40	-3.02	49.88					
	1890	-0.29	-3.09	49.05					
	1910	0.20	-3.18	48.11					
	1930	0.12	-3.24	47.41					
	1950	0.19	-3.78	41.86					
	1970	0.19	-4.29	37.22					
	1990	0.62	-4.66	34.20					
	2010	0.29	-4.67	34.09					
	2030	0.23	-4.42	36.16					
	2050	0.46	-3.74	42.23					
	2070	0.40	-3.13	48.63					
	2090	0.39	-2.95	50.73					
	2110	0.34	-2.72	53.40					
	2130	0.28	-2.53	55.90					
	2150	0.05	-2.36	58.09					
	2170	-0.30	-2.28	59.22					
	2190	-0.54	-2.35	58.23					
	2210	-0.48	-2.57	55.32					

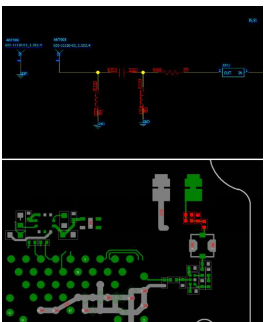
天线匹配电路设计

BT



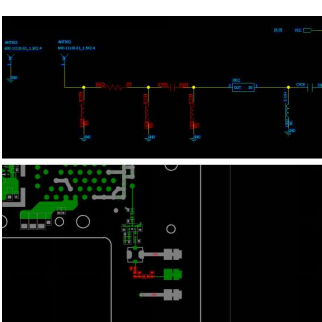
匹配值
L705:NC
C70433PF
L704:NC
R719:0Ω

GPS

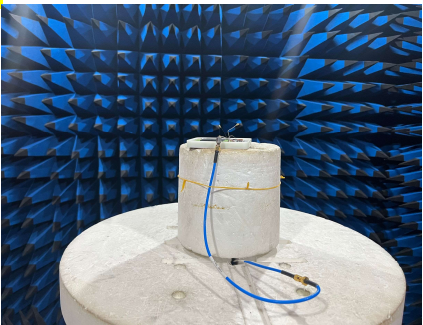


匹配值
L719:NC
C903:33PF
L916:NC
R905:0Ω

主天线



匹配值
L902:12NH
R902:0欧姆
L904:NC
C909:0欧姆
L905:NC



测试设备：暗室 GTS-1800

总结