

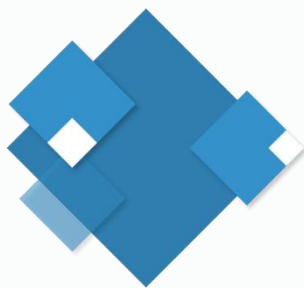


天线调试报告

Antenna Test Report

Date: 2022-11-24

Version: A



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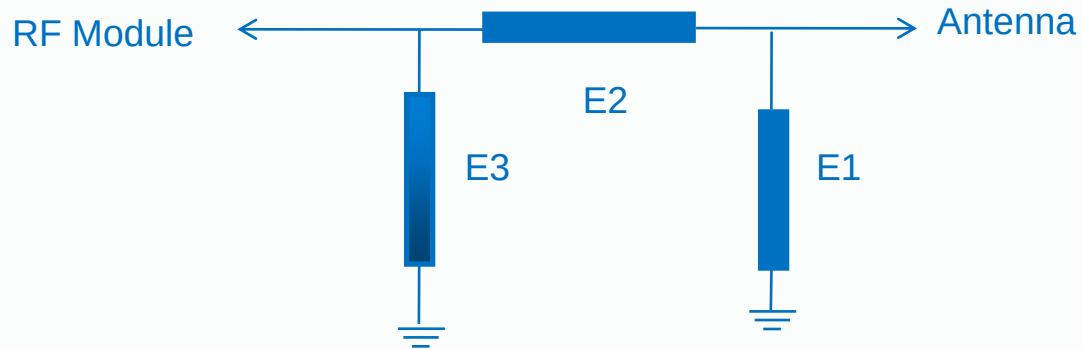
1.项目信息Project Information

客户名称： Client	Easy Storage忆志	项目名称： Project	EC25-3643
调试频段： Frequency	LTE4G WIFI 2.4/5.8	实现方式： Mode	FPC

样机图片：
Photo



2. 匹配电路 Matching circuit



ELenmet	Value
E1	
E2	
E3	

注：原匹配未更改

Note: The original match has not been changed

3.无源测试数据Passive test data

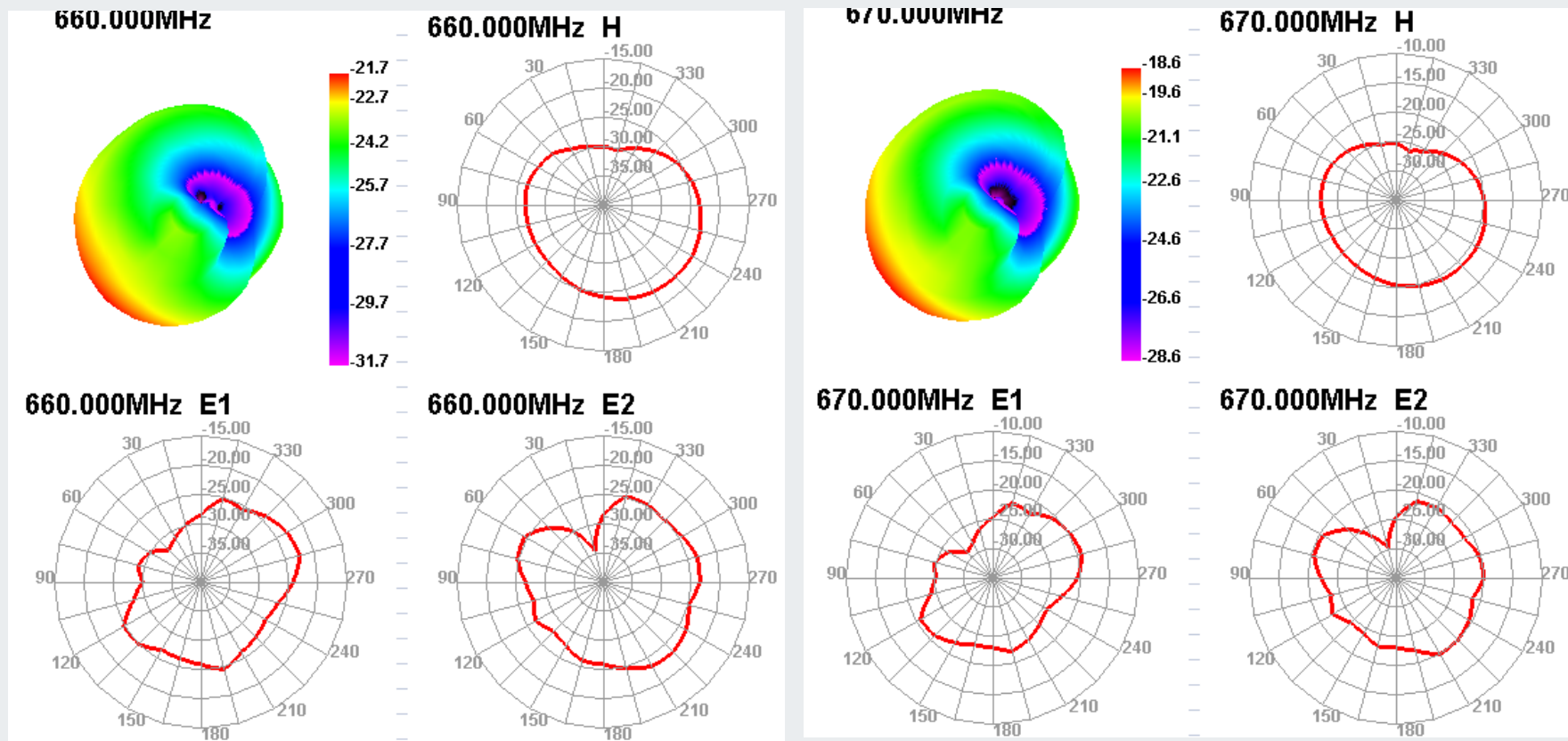
LTE-B12/13/14-TDDB71

660	0.28	-11.19	-21.7
670	0.62	-11	-18.64
680	1.43	-10.82	-15.39
690	1.08	-10.82	-12.73
700	1.16	-10	-9.35
710	1.41	-8.73	-8.48
720	1.8	-8.48	-7.34
730	2.38	-8.26	-6.19
740	3.29	-7.83	-5.48
750	4.57	-8.44	-4.12
760	5.49	-9.14	-3.64
770	6.05	-9.65	-2.21
780	7.89	-10.94	-1.98
790	8.21	-11.12	-1.69
800	9.12	-9.17	-0.67



3.无源测试数据Passive test data

LTE-B12/13/14-TDDB71



3.无源测试数据Passive test data

4G-B5-B8

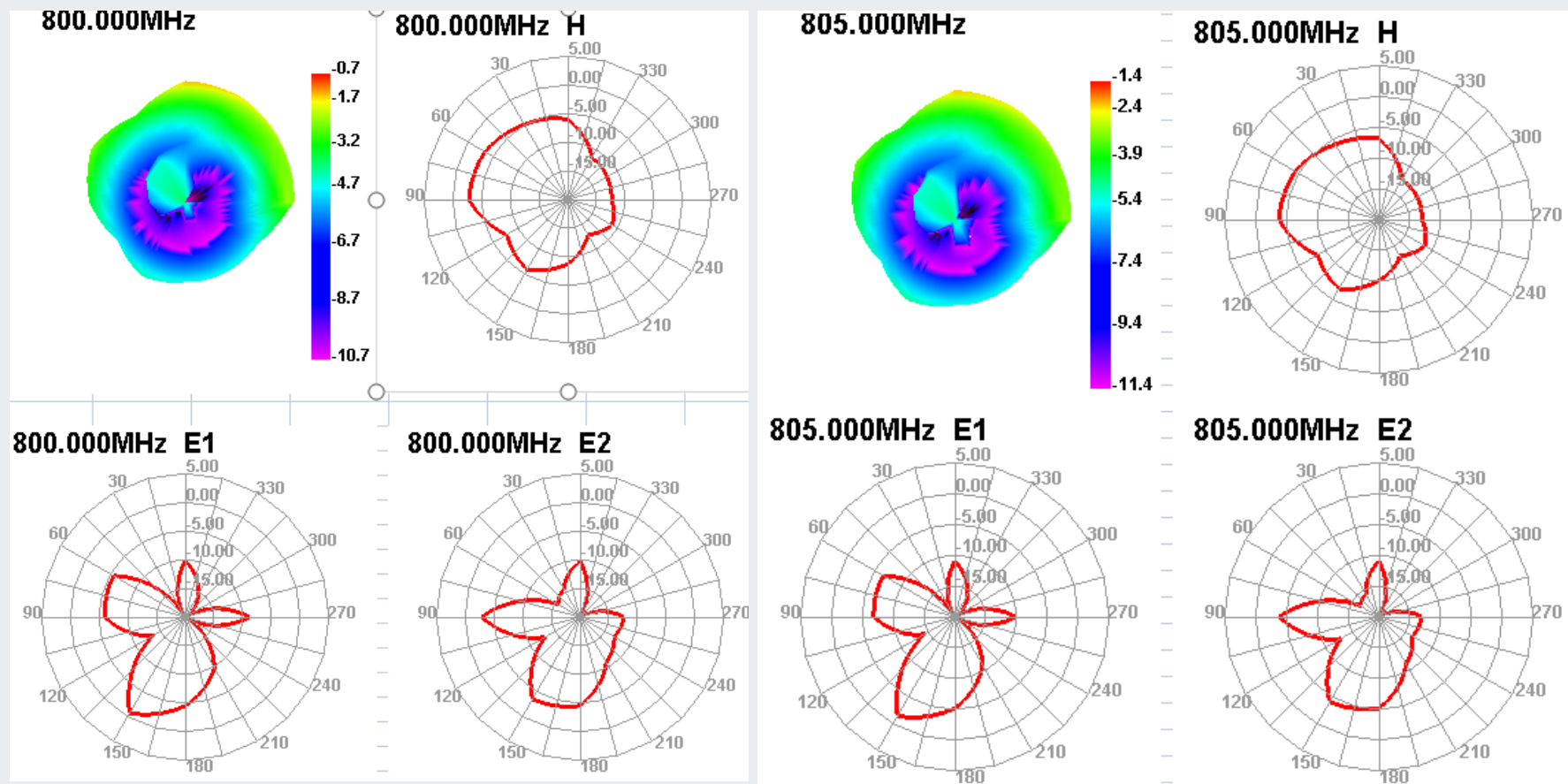
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
800	12.12	-9.17	-0.67
805	10.12	-9.95	-1.44
810	8.94	-10.49	-1.81
815	5.88	-12.3	-3.38
820	4.32	-13.65	-4.48
825	5.01	-13	-3.67
830	6.54	-11.84	-2.39
835	6.83	-11.66	-2.05
840	8.23	-10.85	-1.35
845	11.74	-9.3	0.06
850	12.83	-8.92	0.52
855	12.56	-9.01	0.4
860	13.05	-8.84	0.74
865	11.88	-9.25	0.37
870	10.5	-9.79	-0.35
875	9.74	-10.11	-0.81
880	9.05	-10.43	-1.61
885	8.59	-10.66	-2.46
890	7.64	-11.17	-2.74

895	7.99	-10.98	-2.31
900	7.74	-11.11	-2.3
905	8.41	-10.75	-1.77
910	9.79	-9.28	-0.35
915	8.19	-8.8	-0.16
920	9.15	-9.15	-0.79
925	10.86	-9.64	-1.55
930	8.82	-10.55	-2.81
935	7.61	-11.19	-3.42
940	7.94	-11	-3.2
945	8.27	-10.82	-3.1
950	8.29	-10.82	-3.09
955	9.99	-10	-2.31
960	9.39	-8.73	-1.13
965	8.19	-8.48	-0.96
970	9.94	-8.26	-0.77
975	9.48	-7.83	-0.43
980	10.33	-8.44	-1.05
985	10.2	-9.14	-1.58
990	10.83	-9.65	-1.93
995	8.05	-10.94	-3.03
1000	7.73	-11.12	-3.02



3.测试方向图Test pattern

4G-B5-B8



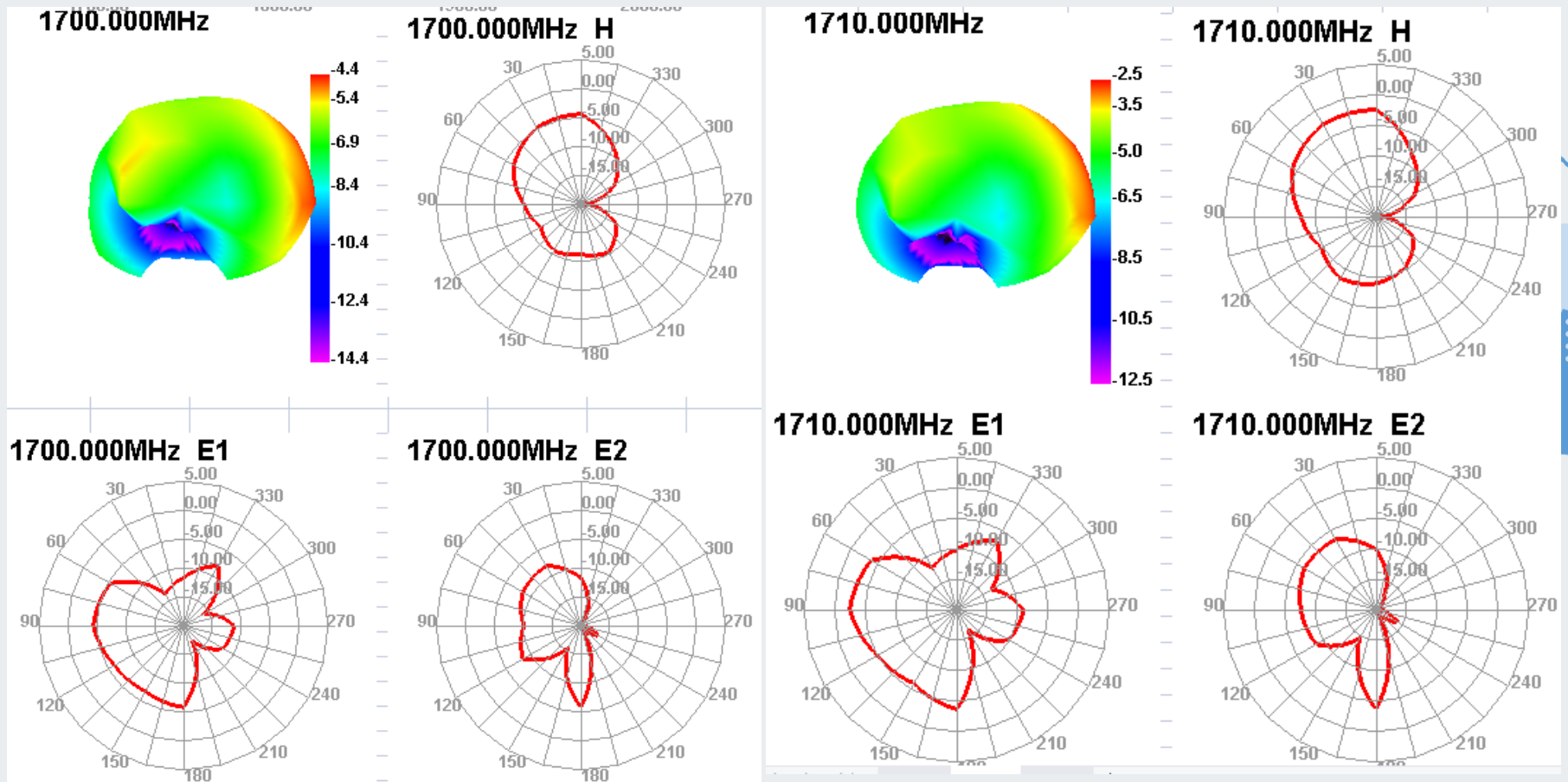
LTEFDDDB1/B3-TDDB39

3.无源测试数据Passive test data

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)								
1700	9.85	-10.07	-4.44	1825	20.75	-6.83	-0.24	1965	7.9	-11.02	-5.09
1705	11.59	-9.36	-3.51	1830	20.57	-6.87	-0.26	1970	8.44	-10.74	-4.82
1710	13.72	-8.63	-2.51	1835	20.1	-6.97	-0.34	1975	7.8	-11.08	-5.05
1715	14.68	-8.33	-2.08	1840	20.06	-6.98	-0.32	1980	7.95	-10.99	-4.87
1720	14.87	-8.28	-1.9	1845	18.4	-7.35	-0.72	1985	9.58	-10.19	-4.32
1725	14.22	-8.47	-2.04	1850	16.55	-7.81	-1.21	1990	10.09	-9.96	-4.47
1730	13.14	-8.82	-2.46	1855	16.62	-7.79	-1.2	1995	9.62	-10.17	-4.65
1735	13.06	-8.84	-2.54	1860	16.6	-7.8	-1.23	2000	10.19	-9.92	-4.5
1740	13.47	-8.71	-2.4	1865	14.84	-8.29	-1.81	2005	10.22	-9.91	-4.75
1745	13.21	-8.79	-2.62	1870	13.67	-8.64	-2.28	2010	9.46	-10.24	-5
1750	12.92	-8.89	-2.94	1875	13.63	-8.66	-2.4	2015	9.8	-10.09	-4.79
1755	13.53	-8.69	-2.91	1880	12.86	-8.91	-2.79	2020	10.38	-9.84	-4.81
1760	14.4	-8.42	-2.83	1885	12	-9.21	-3.24	2025	10.08	-9.96	-5.11
1765	15	-8.24	-2.68	1890	11.75	-9.3	-3.39	2030	9.84	-10.07	-5.29
1770	15.81	-8.01	-2.22	1895	11.22	-9.5	-3.68	2035	9.49	-10.23	-5.53
1775	16.63	-7.79	-1.84	1900	10.51	-9.78	-4.06	2040	8.8	-10.56	-5.71
1780	17.42	-7.59	-1.5	1905	9.84	-10.07	-4.42	2045	9.05	-10.44	-5.49
1785	18.38	-7.36	-1.17	1910	9.07	-10.43	-4.92	2050	10.02	-9.99	-5.57
1790	17.43	-7.59	-1.35	1915	8.63	-10.64	-5.34	2055	10.14	-9.94	-6.14
1795	15.22	-8.18	-2.01	1920	8.34	-10.79	-5.7	2060	9.92	-10.03	-6.42
1800	14.61	-8.35	-2.3	1925	8.04	-10.95	-5.95	2065	10.08	-9.97	-6.4
1805	15.81	-8.01	-1.92	1930	8.31	-10.81	-5.67	2070	9.59	-10.18	-6.4
1810	16.7	-7.77	-1.59	1935	8.99	-10.46	-5.27	2075	9.1	-10.41	-6.62
1815	17	-7.7	-1.4	1940	9.12	-10.4	-5.14	2080	9.3	-10.31	-6.62
1820	18.81	-7.26	-0.78	1945	9.46	-10.24	-4.84	2085	9.25	-10.34	-6.72
				1950	10.58	-9.76	-4.41	2090	9.35	-10.29	-6.67
				1955	9.5	-10.22	-4.88	2095	10.14	-9.94	-6.3
				1960	7.79	-11.09	-5.38	2100	10.83	-9.65	-6.02

3.测试方向图Passive test data

LTEFDDDB1/B3-TDDB39



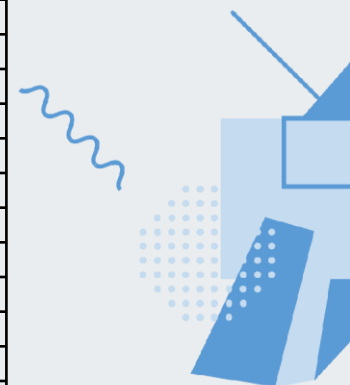
3. 无源测试数据 Passive test data

LTE/TDD/B38/B40/B41

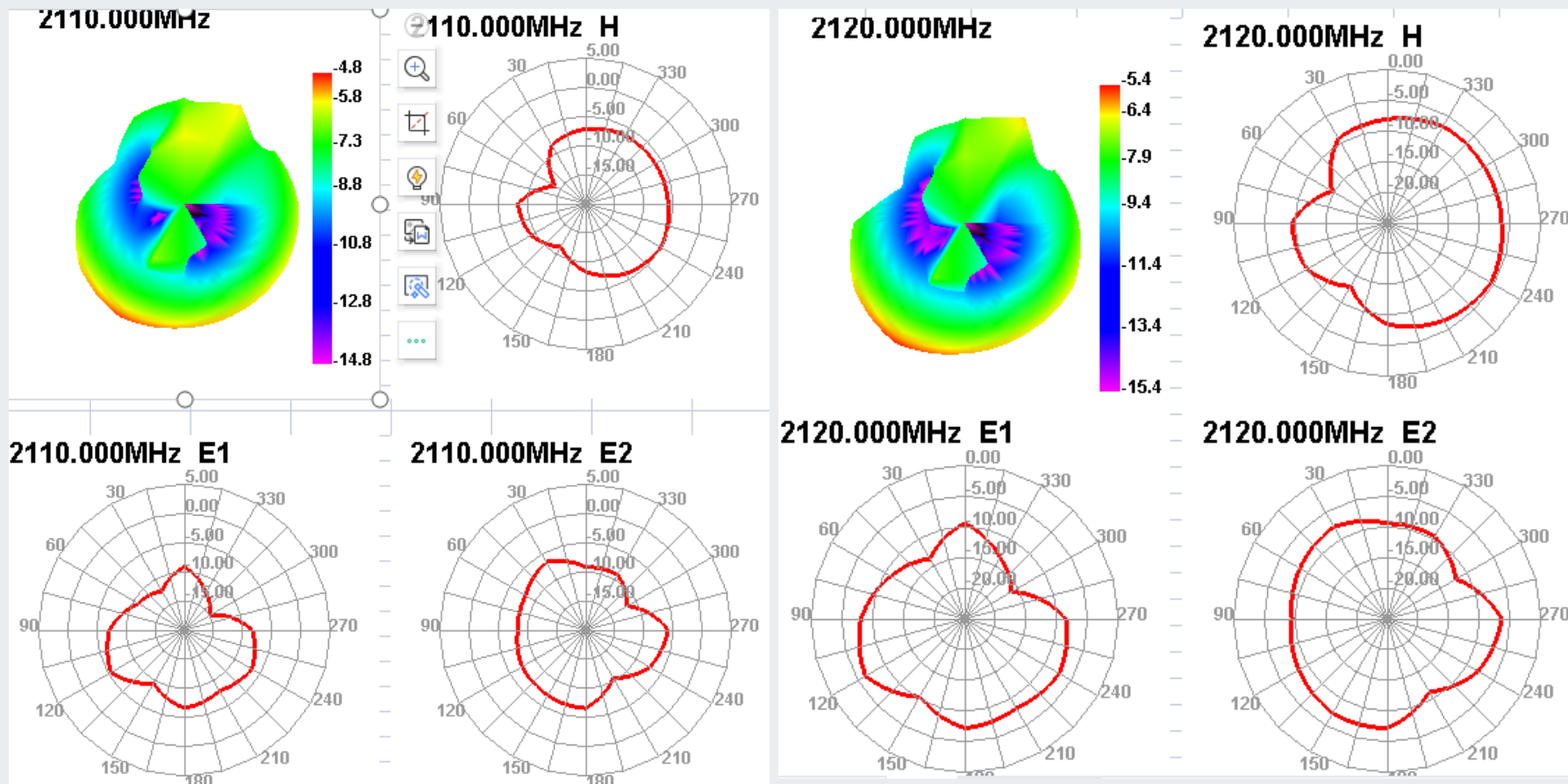
2300	19.82	-7.03	-2.64
2305	19.53	-7.09	-2.66
2310	19.29	-7.15	-2.73
2315	17.69	-7.52	-2.87
2320	16.09	-7.93	-3.1
2325	16.35	-7.87	-3.04
2330	17.67	-7.53	-2.69
2335	18.33	-7.37	-2.43
2340	18.78	-7.26	-2.26
2345	18.17	-7.41	-2.31
2350	16.56	-7.81	-2.52
2355	16.36	-7.86	-2.42
2360	15.74	-8.03	-2.5
2365	12.47	-9.04	-3.31
2370	10.89	-9.63	-3.7
2375	12.02	-9.2	-3.24
2380	13.15	-8.81	-2.89
2385	13.21	-8.79	-2.87
2390	14.21	-8.47	-2.6
2395	14.14	-8.5	-2.76
2400	12.38	-9.07	-3.28
2405	12.54	-9.02	-3.14
2410	13.93	-8.56	-2.75
2415	13.79	-8.6	-2.92
2420	13.82	-8.6	-2.91

2425	15.07	-8.22	-2.66
2430	14.92	-8.26	-2.44
2435	14.34	-8.44	-2.35
2440	14.7	-8.33	-2.06
2445	15.16	-8.19	-1.81
2450	16.07	-7.94	-1.52
2455	19.43	-7.11	-0.49
2460	19.5	-7.1	0.01
2465	16.23	-7.9	-0.47
2470	15.52	-8.09	-0.7
2475	16.52	-7.82	-0.54
2480	16.61	-7.8	-0.64
2485	17.39	-7.6	-0.65
2490	19.21	-7.16	-0.38
2495	19.82	-7.03	-0.33
2500	20.03	-6.98	-0.34
2505	19.38	-7.13	-0.43
2510	18.29	-7.38	-0.57
2515	18.3	-7.38	-0.7
2520	18.68	-7.29	-0.74
2525	18.46	-7.34	-0.87
2530	17.78	-7.5	-1.19
2535	16.6	-7.8	-1.52
2540	16.28	-7.88	-1.63
2545	17.12	-7.67	-1.55

2550	15.65	-8.05	-1.93
2555	14.11	-8.51	-2.23
2560	14.5	-8.39	-2.02
2565	13.93	-8.56	-2.18
2570	12.3	-9.1	-2.7
2575	12.46	-9.04	-2.63
2580	13.58	-8.67	-2.3
2585	13.57	-8.67	-2.36
2590	13.08	-8.83	-2.62
2595	11.96	-9.22	-3.11
2600	10.86	-9.64	-3.68
2605	10.97	-9.6	-3.77
2610	11.38	-9.44	-3.81
2615	10.61	-9.74	-4.27
2620	10.49	-9.79	-4.51
2625	11.37	-9.44	-4.35
2630	11.77	-9.29	-4.13
2635	12	-9.21	-3.85
2640	11.74	-9.3	-3.71
2645	11.01	-9.58	-3.82
2650	11.15	-9.53	-3.63
2655	11.48	-9.4	-3.29
2660	10.93	-9.62	-3.36
2665	10.91	-9.62	-3.28
2670	11.48	-9.4	-2.99
2675	11.57	-9.37	-2.84
2680	12.19	-9.14	-2.59
2685	13	-8.86	-2.25
2690	12.03	-9.2	-2.49
2695	11.83	-9.27	-2.58
2700	14.16	-8.49	-1.81



3.测试方向图Passive test data



3.无源测试数据Passive test data

WIFI2.4/5.8

(MHz)	(%)	(dB)	(dBi)
2400	24.53	-5.15	0.17
2410	25.25	-4.65	0.62
2420	26.27	-4.65	0.64
2430	25.86	-4.58	0.65
2440	25.01	-4.44	0.66
2450	24.53	-4.75	0.05
2460	23.47	-5.02	-0.44
2470	22.64	-4.86	-0.48
2480	21.75	-4.85	-0.23
2490	20.05	-4.81	0.19
2500	19.64	-5	0.28

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	10.57	-8.08	-2.19
5200	11.53	-8.69	-2.65
5250	12.17	-8.81	-3.11
5300	11.65	-9.34	-4.22
5350	12.97	-8.25	-3.37
5400	14.41	-8.12	-2.8
5450	13.03	-8.85	-3.36
5500	14.08	-8.52	-3.13
5550	13.24	-8.78	-3.35
5600	10.27	-9.89	-4.3
5650	9.75	-10.11	-4.53
5700	9.1	-10.41	-4.99
5750	8.2	-10.86	-5.76
5800	7.34	-11.34	-6.54
5850	9.81	-10.08	-4.99



WIFI2.4/5.8

3.测试方向图Passive test data

