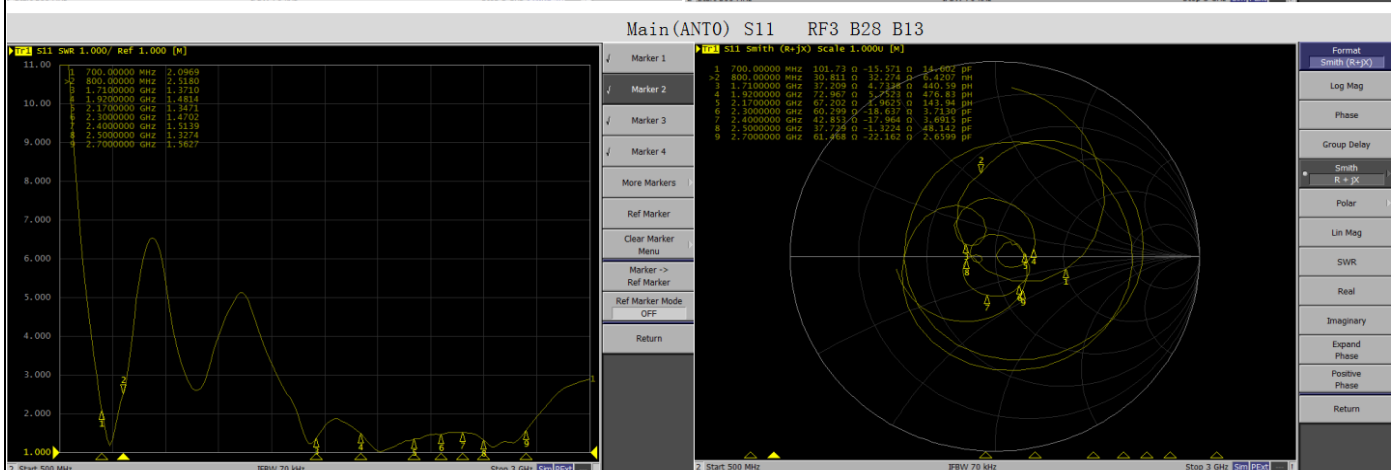
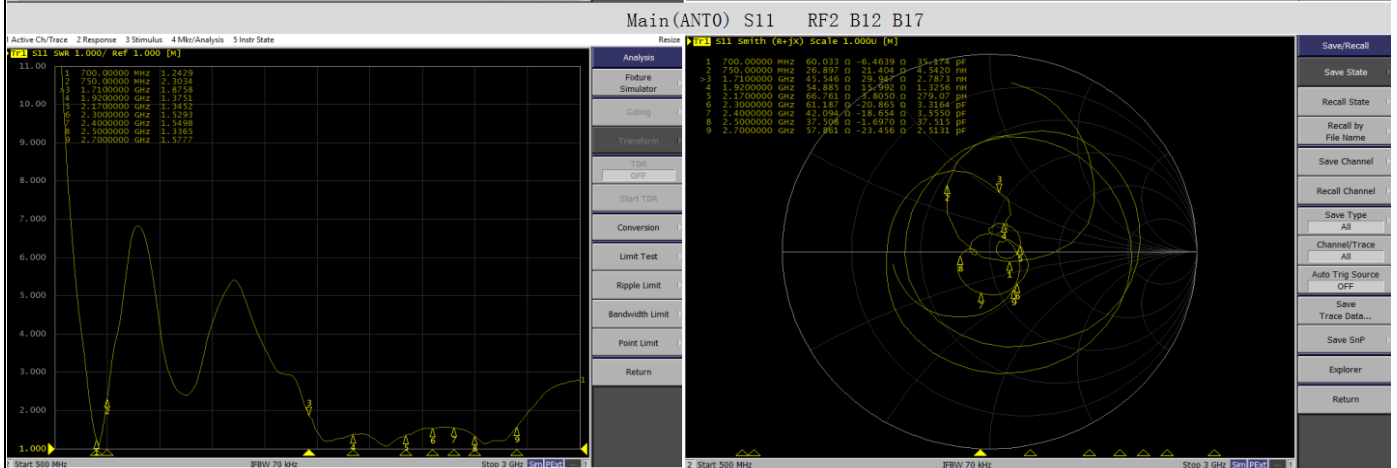
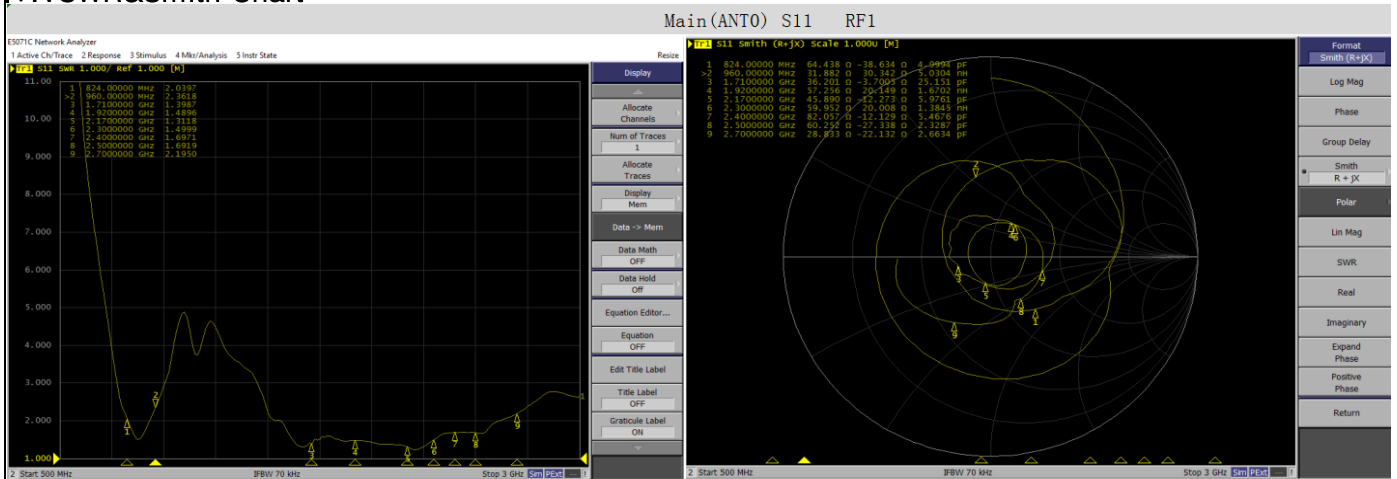


Electrical performance test report

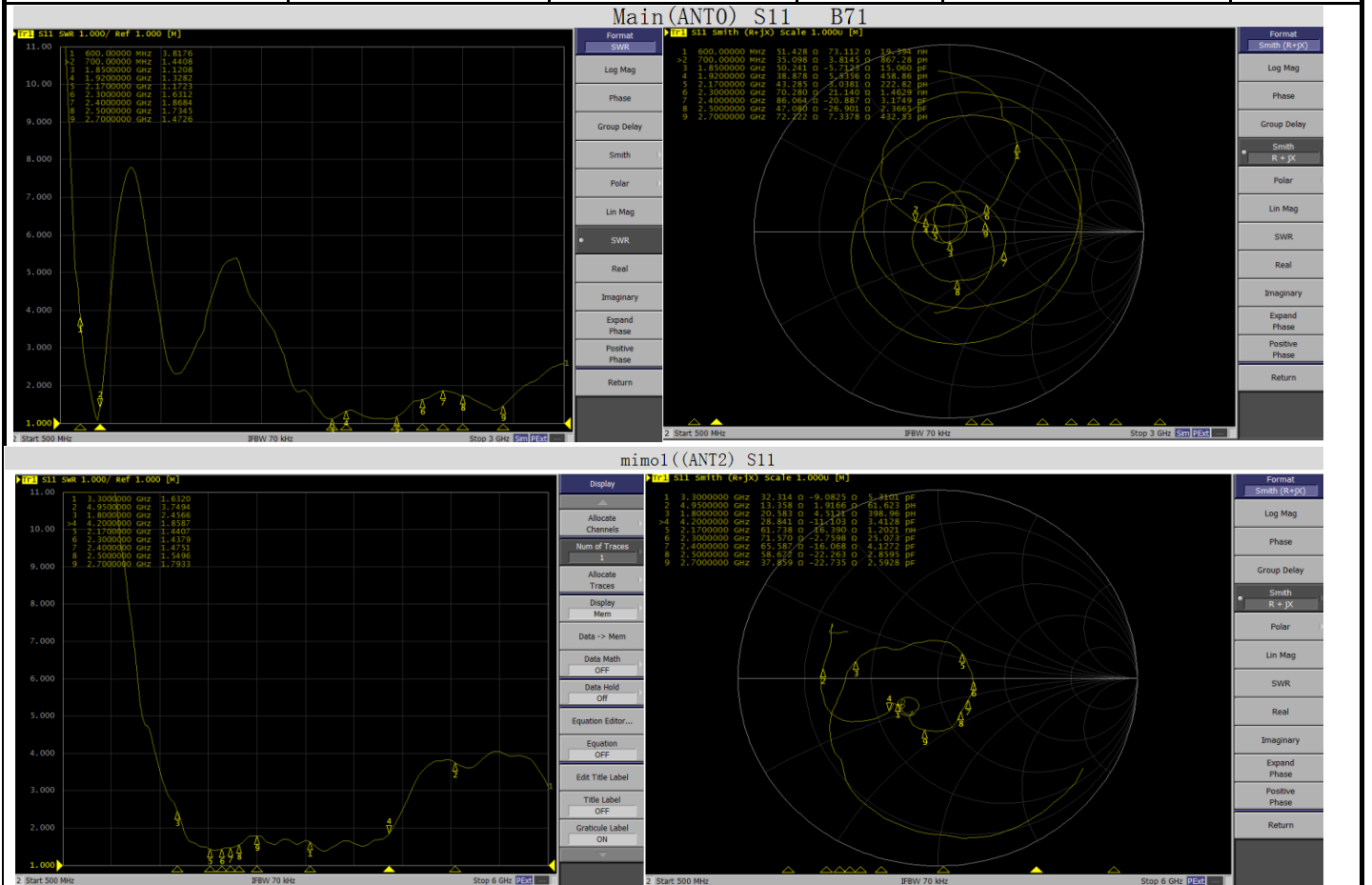
Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-101	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

1.VSWR&Smith Chart

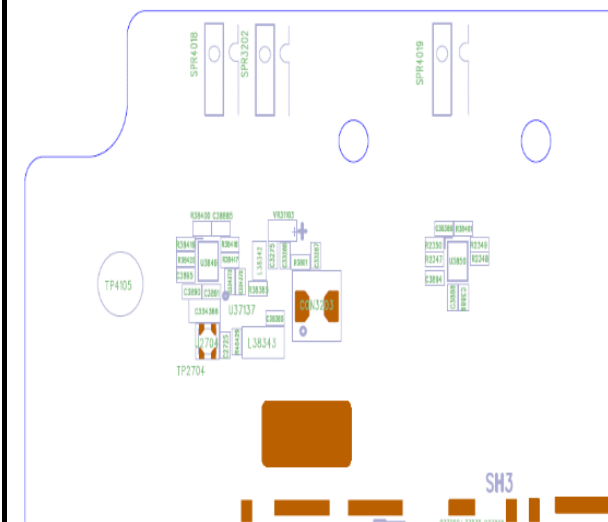


Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-101	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####



2. Matching circuit



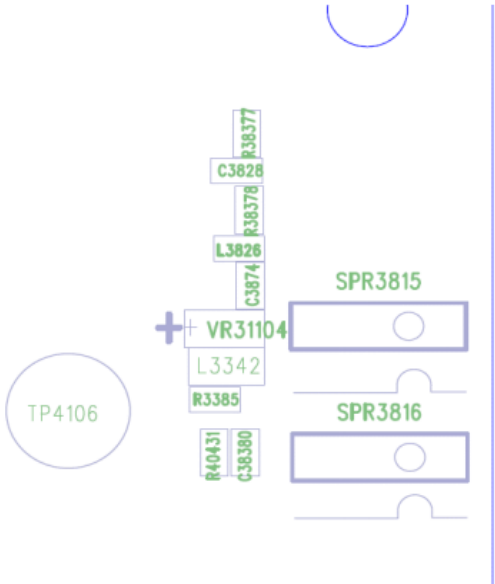
main 主匹配	位号	值
	C33288	0.5PF
	R3801	1.2NH
	C33287	12NH

天线Switch	位号	值
	R2347	0R
	R2348	18NH
	R2349	15NH
	R2350	22NH
	R38401	NC

天线Switch		Low Band	High Band
	RF1	(B5/8/18/19/20/26)(N5/8/20)	(B1 B2 B3 B4 B7 B26 B66 B39)(N1/3/7/66)
	RF2	B12 B17	
	RF3	(B13/28)(N28)	
	RF4	N71	

Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-101	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####



	位号	值
ANT2匹配	L3826	NC
	R3878(串)	OR
	C3828	NC
	R38377	OR
地脚	C38380	22pf

Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-101	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

3.No-source test data

ANT 0

RF1 LTE 1/2/3/4/5/7/8/25/26/29/30/38/66,NR 2/5/7								
Frequency	Efficiency . dB	Gain	Frequency	Efficiency .	Gain	B12/B17		
791000000	-4.18	0.94	1700000000	-4.26	1.71	Frequency	Efficiency .	Gain . dB
800000000	-3.56	1.25	1710000000	-4.18	1.79	6.8E+08	-4.28	0.69
810000000	-3.20	1.79	1720000000	-4.17	1.84	6.9E+08	-3.89	0.90
820000000	-2.73	1.99	1740000000	-4.19	0.63	6.98E+08	-3.35	1.40
824000000	-2.55	2.43	1760000000	-3.90	1.20	7E+08	-3.68	1.17
830000000	-2.79	2.45	1780000000	-3.82	1.37	7.1E+08	-3.74	1.46
840000000	-2.65	3.18	1800000000	-3.54	1.62	7.2E+08	-3.95	1.65
850000000	-2.66	3.54	1820000000	-3.48	2.61	7.3E+08	-4.26	1.66
860000000	-2.55	3.76	1840000000	-3.11	2.65	7.4E+08	-4.73	1.28
870000000	-2.49	3.52	1860000000	-2.87	3.14	7.5E+08	-5.50	0.49
880000000	-2.33	3.43	1880000000	-2.61	3.60	7.6E+08	-6.20	-0.23
890000000	-2.54	3.38	1900000000	-2.36	3.62	7.7E+08	-6.95	-1.30
894000000	-2.61	3.14	1920000000	-2.34	3.44	7.8E+08	-7.58	-2.22
900000000	-2.53	3.04	1940000000	-2.24	3.61	7.91E+08	-8.28	-3.23
910000000	-2.57	2.94	1960000000	-2.10	3.46	8E+08	-8.44	-3.34
920000000	-2.58	3.36	1980000000	-2.15	3.14	8.1E+08	-8.42	-3.34
930000000	-2.83	4.15	2000000000	-2.15	3.00	8.2E+08	-8.60	-3.77
940000000	-2.53	4.38	2020000000	-2.43	3.12			
950000000	-2.62	4.00	2040000000	-2.16	3.27			
960000000	-2.64	3.25	2060000000	-2.43	3.50			
			2080000000	-2.62	3.19			
			2100000000	-2.29	3.85			
			2120000000	-2.42	3.73			
			2140000000	-2.41	3.57			
			2160000000	-2.34	3.53			
			2180000000	-2.07	3.32			
			2200000000	-2.05	3.11			
			2220000000	-2.38	3.13			
			2240000000	-2.17	3.38			
			2260000000	-2.27	3.14			
			2280000000	-2.18	2.94			
			2300000000	-2.27	3.18			
			2320000000	-2.39	2.77			
			2340000000	-2.56	2.96			
			2360000000	-2.67	2.59			
			2380000000	-2.79	3.01			
			2400000000	-2.81	2.46			
			2420000000	-2.80	2.02			
			2440000000	-2.75	1.86			
			2460000000	-2.87	2.13			
			2480000000	-3.15	1.44			
			2500000000	-3.45	1.06			
			2520000000	-3.67	0.64			
			2540000000	-4.09	0.92			
			2560000000	-4.37	0.59			
			2580000000	-4.40	1.03			
			2600000000	-4.67	0.91			
			2620000000	-4.81	0.48			
			2640000000	-4.38	1.14			
			2660000000	-4.08	1.57			
			2680000000	-3.90	1.30			
			2690000000	-3.63	1.80			

Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-101	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

ant 0

RF3 B28/B13/B14/N28				RF4 B71/N71			
Frequency	Efficiency .	Gain . dB		ant 0	B71/N71		
680000000	-4.93	0.06		Frequency	Efficiency . dB	Gain.db	
690000000	-4.36	0.44		600000000	-8.53	-3.92	
698000000	-3.54	1.21		610000000	-7.67	-2.66	
700000000	-3.81	1.05		620000000	-6.53	-1.73	
710000000	-3.58	1.64		630000000	-5.80	-0.98	
720000000	-3.42	2.22		640000000	-5.05	-0.44	
730000000	-3.38	2.54		650000000	-4.43	0.23	
740000000	-3.40	2.62		660000000	-4.21	0.61	
750000000	-3.81	2.19		670000000	-4.04	0.84	
760000000	-4.24	1.74		680000000	-4.02	0.73	
770000000	-4.73	0.94		690000000	-4.11	0.66	
780000000	-5.11	0.30		698000000	-4.09	0.68	
791000000	-5.60	-0.52		700000000	-4.55	0.19	
800000000	-5.76	-0.69		710000000	-5.38	-0.73	
810000000	-5.62	-0.58		720000000	-6.82	-2.33	
820000000	-5.65	-0.77					

Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-101	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

ant 2 (B1/3/4/7/42/66/38/40/41) (N1/3/7/66/77/78/79/38/40/41)					
Frequency	Efficiency . dB	Gain . dB	Frequency	Efficiency . dB	Gain . dB
1700000000	-6.25	1.17	2180000000	-3.83	3.09
1710000000	-6.17	0.99	2200000000	-3.69	3.53
1720000000	-6.21	1.12	2220000000	-3.81	3.33
1740000000	-6.26	1.14	2240000000	-3.41	3.55
1760000000	-6.26	0.51	2260000000	-3.36	3.58
1780000000	-6.01	0.85	2280000000	-3.08	3.84
1800000000	-5.43	1.26	2300000000	-3.35	3.01
1820000000	-4.97	2.07	2320000000	-2.64	3.00
1840000000	-4.63	2.61	2340000000	-2.78	2.85
1860000000	-3.95	3.48	2360000000	-2.87	3.26
1880000000	-3.69	3.49	2380000000	-2.63	3.40
1900000000	-3.31	3.08	2400000000	-3.01	3.40
1920000000	-3.41	2.59	2420000000	-3.11	3.27
1940000000	-3.40	2.23	2440000000	-2.85	3.30
1960000000	-3.40	2.19	2460000000	-3.11	3.14
1980000000	-3.73	1.89	2480000000	-3.39	2.40
2000000000	-3.38	2.37	2500000000	-3.47	2.70
2020000000	-3.90	1.10	2520000000	-3.56	3.04
2040000000	-4.20	1.21	2540000000	-3.74	2.71
2060000000	-4.33	0.84	2560000000	-3.66	3.09
2080000000	-4.91	0.02	2580000000	-3.53	2.64
2100000000	-4.89	0.65	2600000000	-3.80	2.07
2120000000	-4.54	1.40	2620000000	-3.67	1.94
2140000000	-4.31	2.16	2640000000	-3.35	1.97
2160000000	-4.47	2.17	2660000000	-3.52	2.67
			2680000000	-3.72	2.89
			2690000000	-3.54	2.75

Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-101	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

ant 2

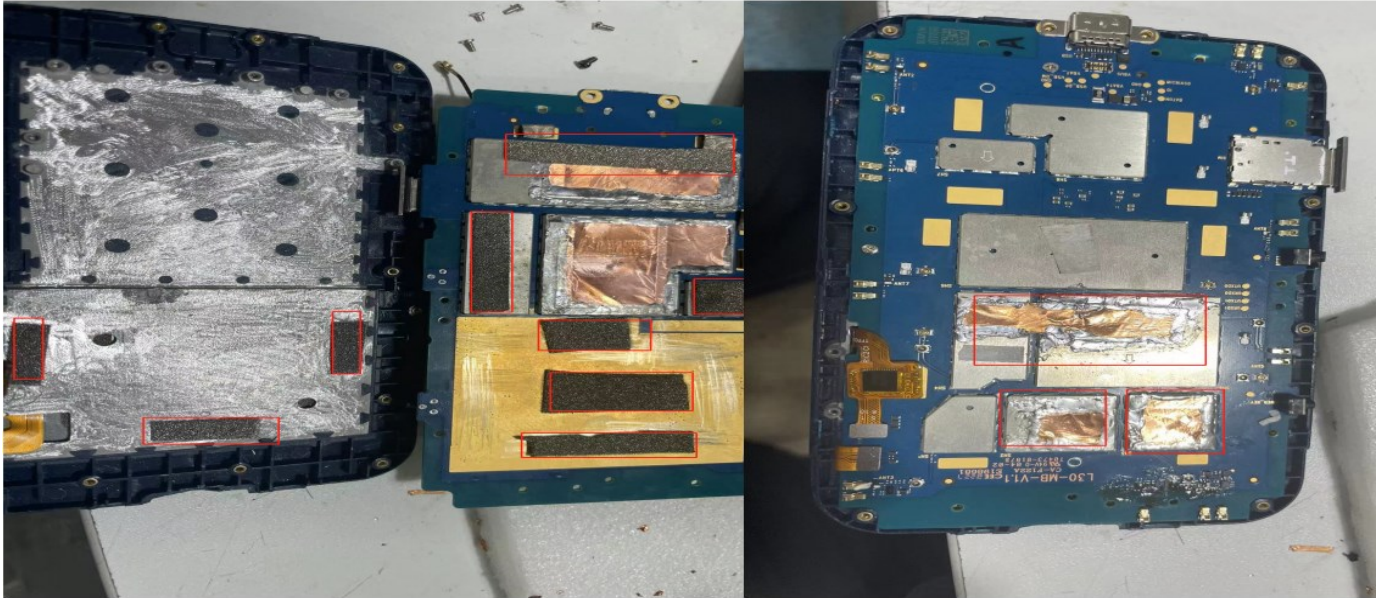
Frequency	Efficiency . dB	Gain . dB	Frequency	Efficiency . dB	Gain . dB
2700000000	-3.46	2.64	4000000000	-3.45	2.27
3000000000	-2.53	4.31	4050000000	-3.58	1.96
3050000000	-2.77	4.50	4100000000	-3.95	1.45
3100000000	-2.92	4.14	4150000000	-4.36	0.58
3150000000	-2.90	3.68	4200000000	-4.93	0.14
3200000000	-3.08	2.95	4250000000	-5.21	-0.29
3250000000	-3.40	2.87	4300000000	-5.76	-0.90
3300000000	-3.85	2.40	4350000000	-6.71	-1.91
3350000000	-3.93	2.40	4400000000	-6.61	-1.71
3400000000	-4.16	1.93	4450000000	-6.83	-2.33
3450000000	-4.01	1.74	4500000000	-7.32	-2.14
3500000000	-3.68	1.35	4550000000	-7.15	-2.62
3550000000	-3.46	1.03	4600000000	-7.56	-2.09
3600000000	-3.46	1.45	4650000000	-7.62	-2.02
3650000000	-3.37	2.04	4700000000	-7.82	-2.34
3700000000	-2.99	2.84	4750000000	-7.28	-2.08
3750000000	-2.80	3.66	4800000000	-7.78	-2.45
3800000000	-3.12	3.58	4850000000	-7.21	-2.22
3850000000	-3.26	3.29	4900000000	-7.84	-3.19
3900000000	-3.27	2.56	4950000000	-7.47	-2.54
3950000000	-3.38	2.34	5000000000	-7.47	-2.42

Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-101	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

4.Environment treatment

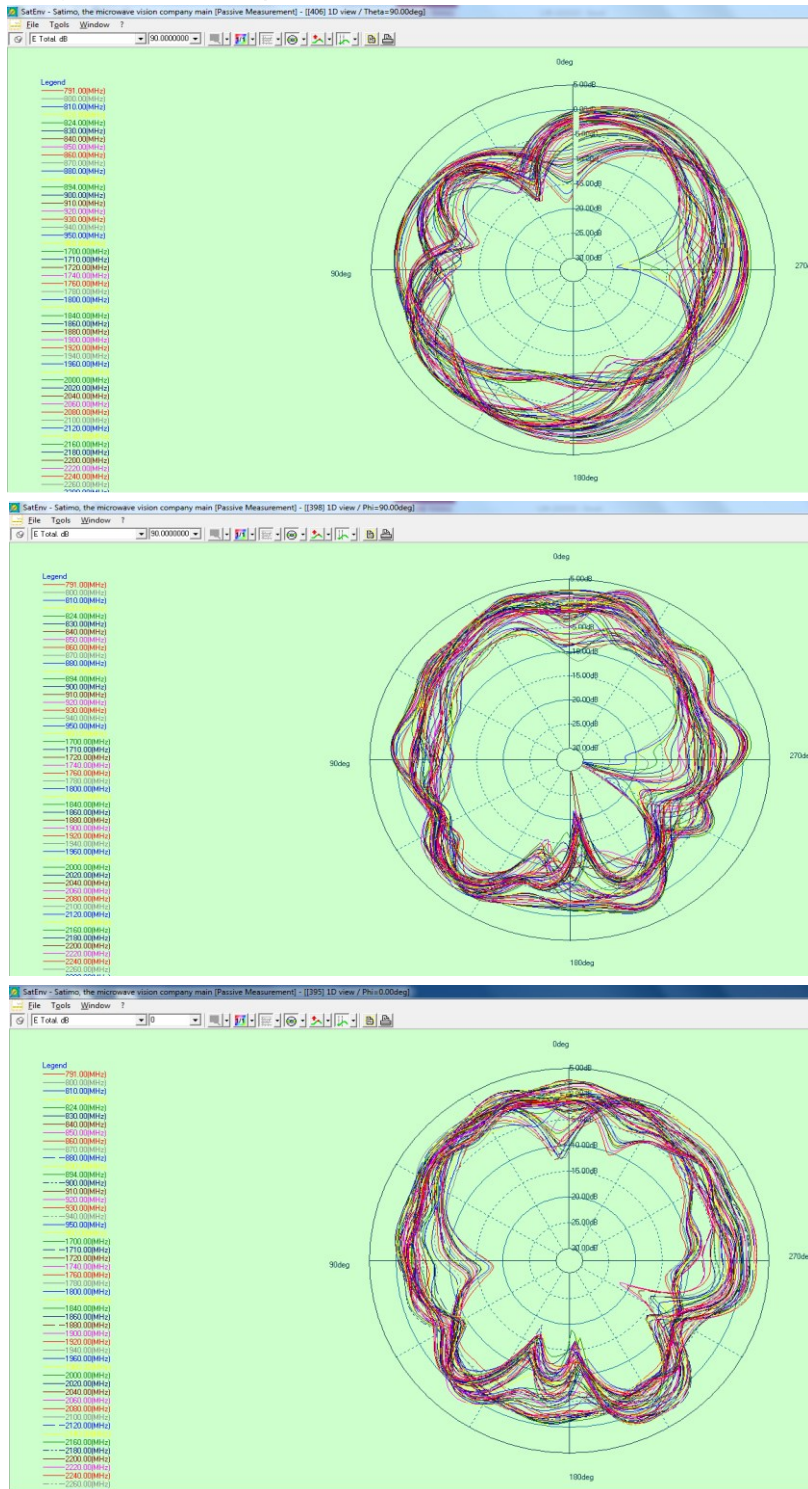
The red part is pasted with conductive foam for full grounding, and the shielding cover is welded with copper foil for shielding treatment



Electrical performance test report

Customer	zhong nuo	Written By	Min luo	Orig. Date	#####
Part Number	02. 5418. 337000-101	Revised By	Zhengwei cher	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	zhfeng jiang	Approved Date	#####

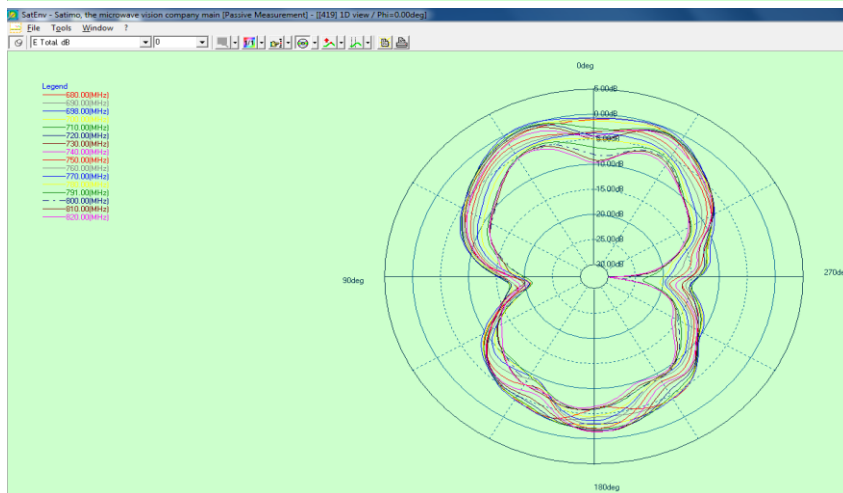
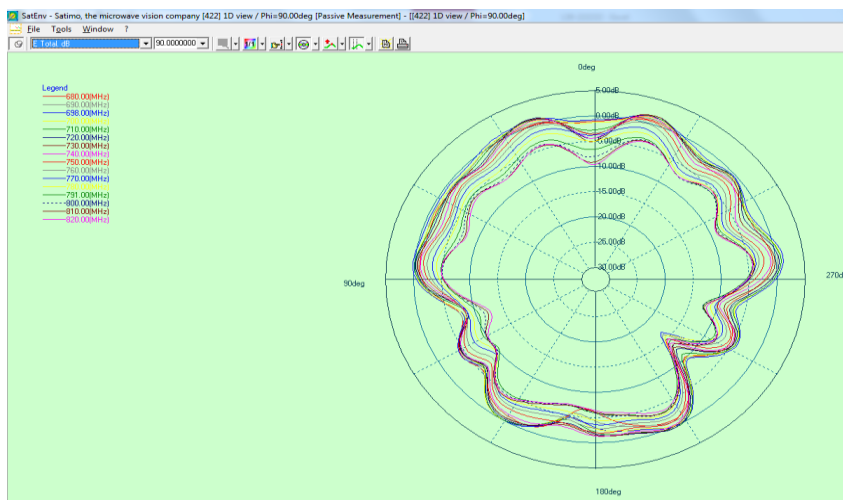
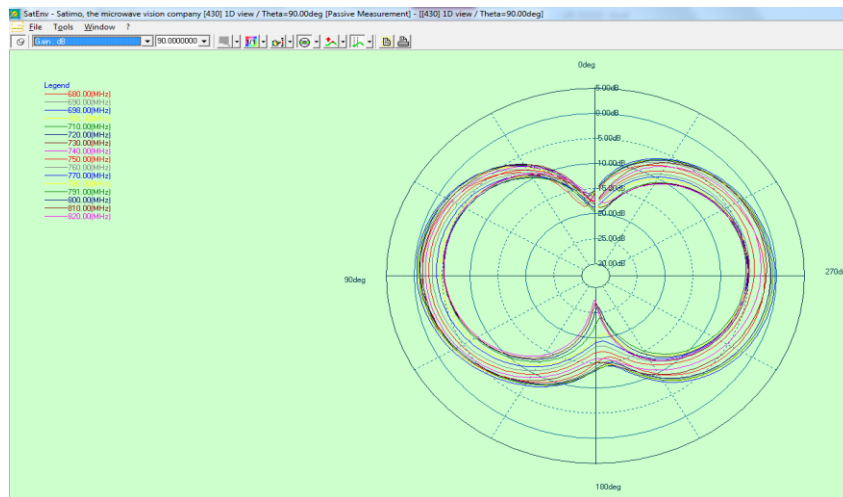
5.Direction drawing of horizontal plane of RF1



Electrical performance test report

Customer	zhong nuo	Written By	Min luo	Orig. Date	#####
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Description1	L30 Main_ant(bracket assembly)	Approved By	zhefeng jiang	Approved Date	#####

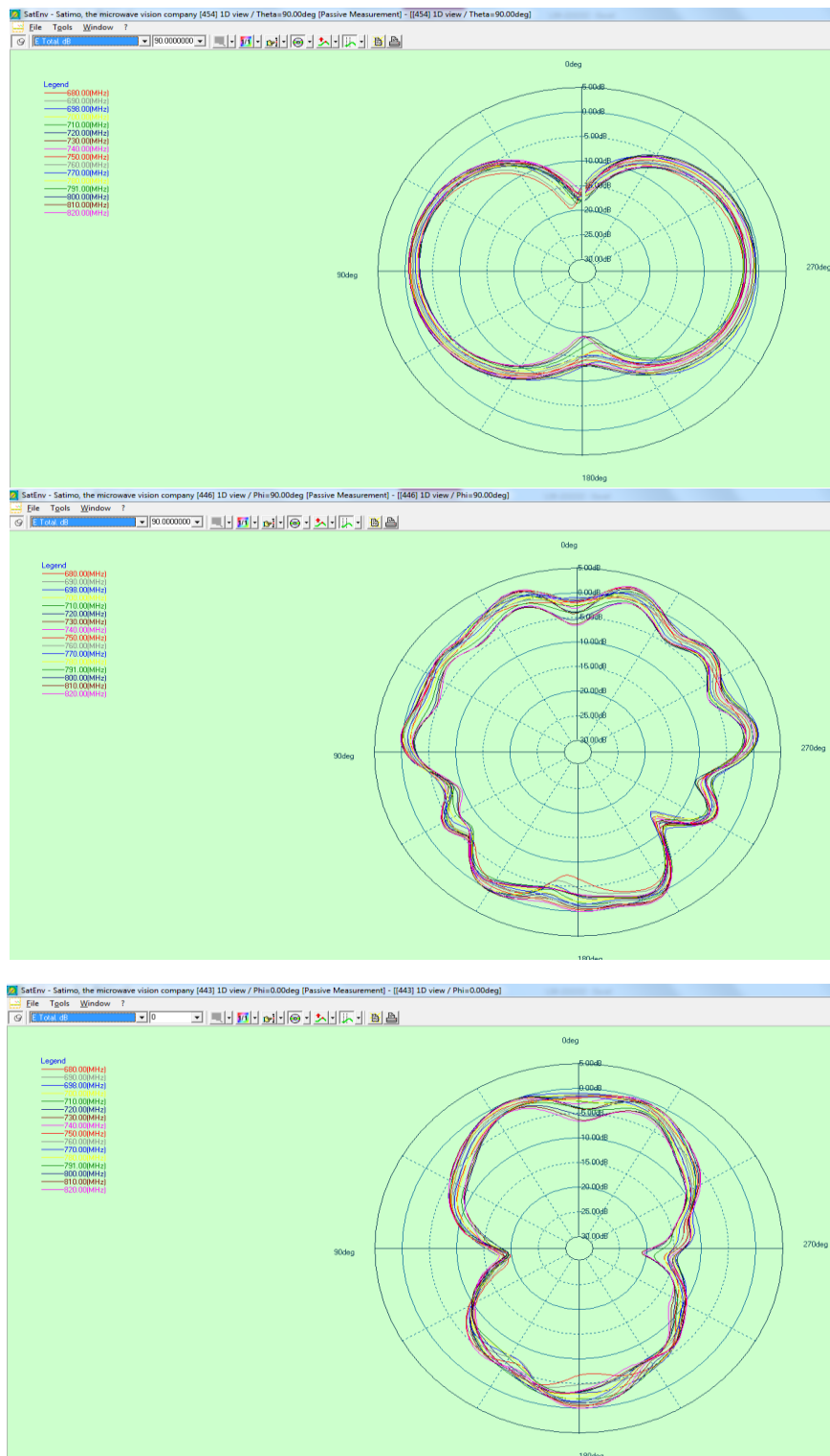
RF2



Electrical performance test report

Customer	zhong nuo	Written By	Min luo	Orig. Date	#####
Part Number	02. 5418. 337000-101	Revised By	Zhengwei cher	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	zhefeng jiang	Approved Date	#####

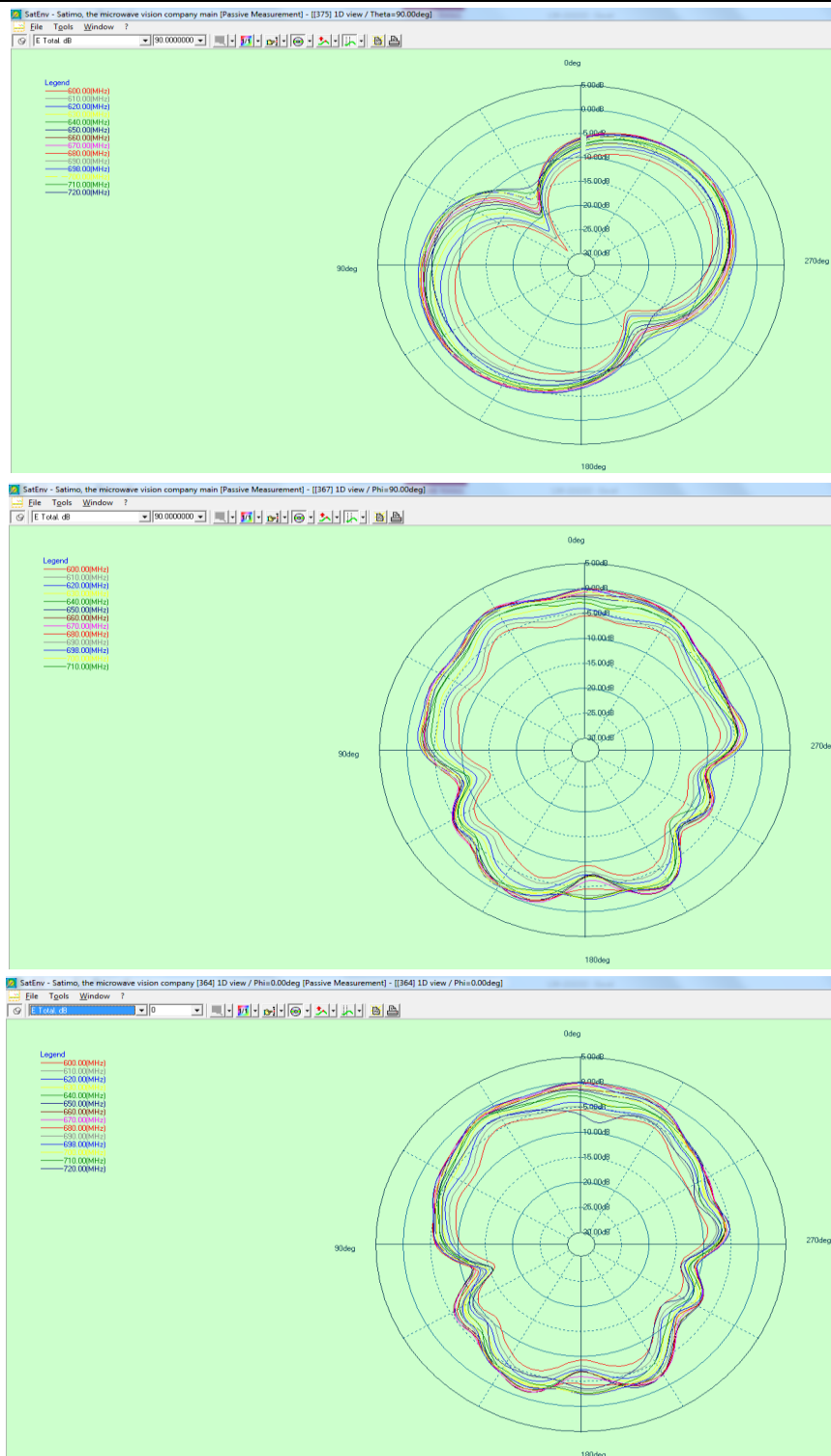
RF3



Electrical performance test report

Customer	zhong nuo	Written By	Min luo	Orig. Date	#####
Part Number	02. 5418. 337000-101	Revised By	Zhengwei cher	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	zhefeng jiang	Approved Date	#####

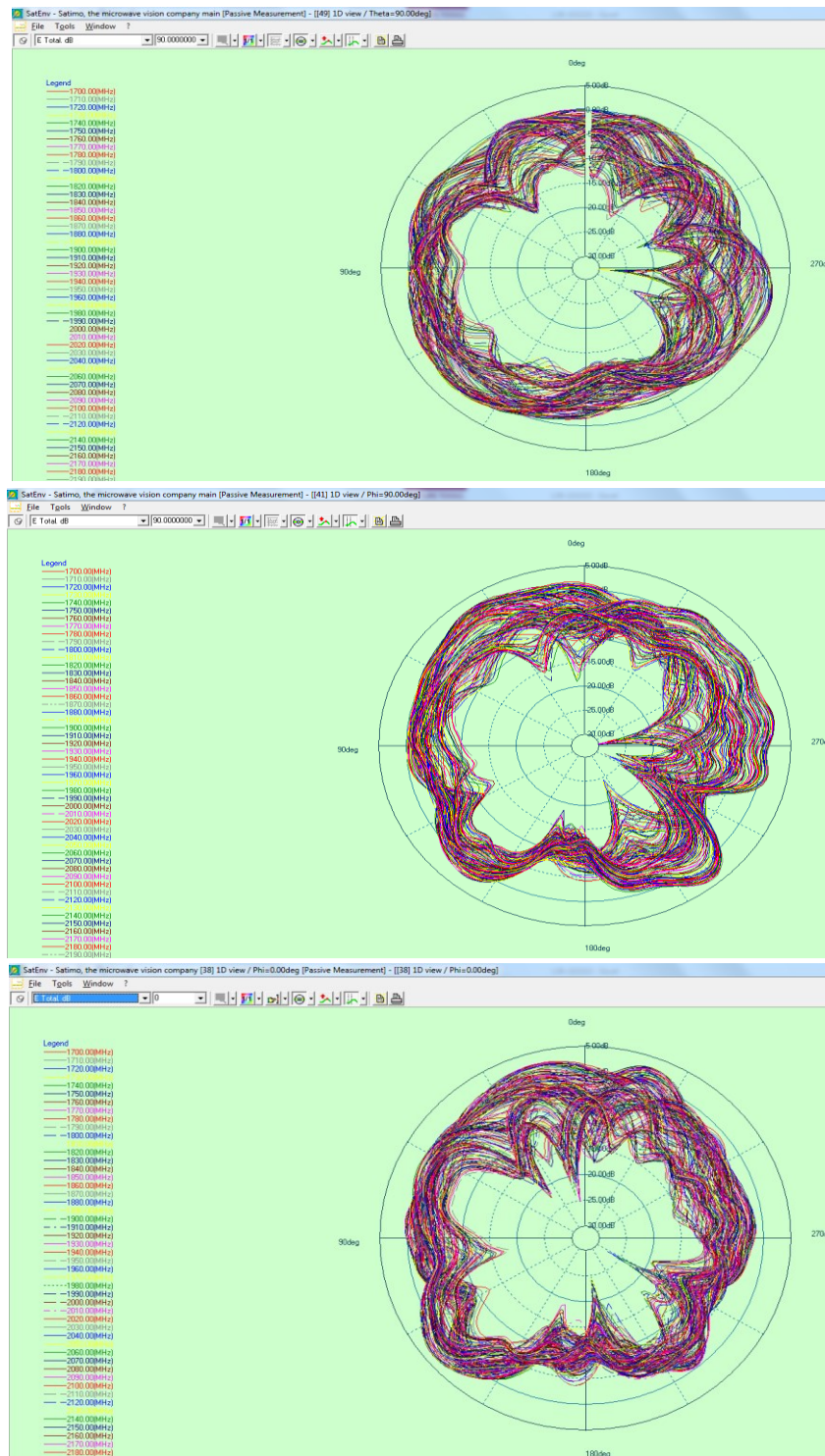
RF4



Electrical performance test report

Customer	zhong nuo	Written By	Min luo	Orig. Date	#####
Part Number	02. 5418. 337000-101	Revised By	Zhengwei cher	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	zhfeng jiang	Approved Date	#####

mimo_1 (Main) ANT2



Electrical performance test report

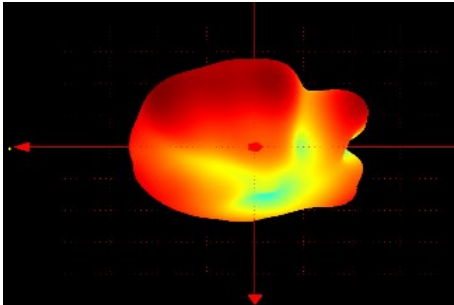
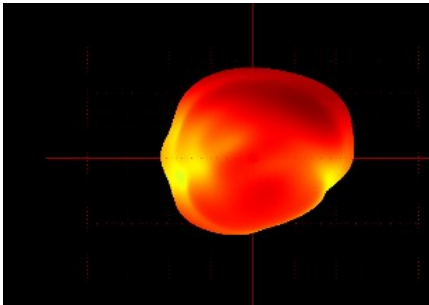
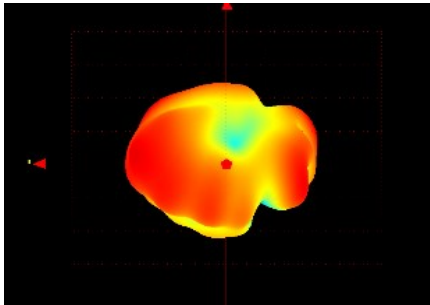
Customer	zhong nuo	Written By	Min luo	Orig. Date	#####
Part Number	02. 5418. 337000-101	Revised By	Zhengwei cher	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	zhefeng jiang	Approved Date	#####

苹果图

ANT0

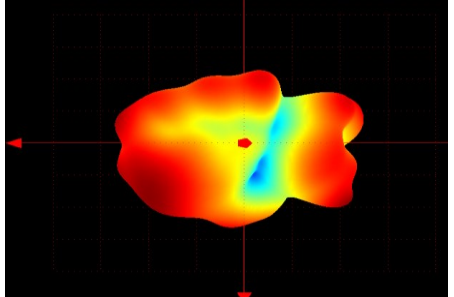
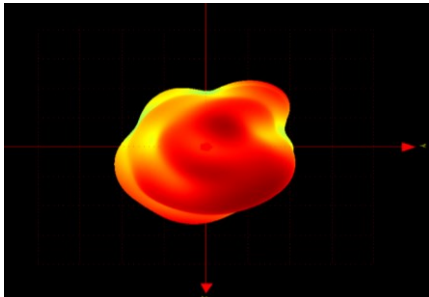
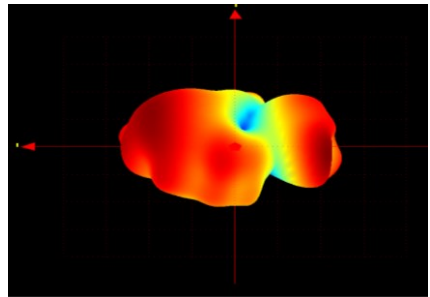
2040M

B1



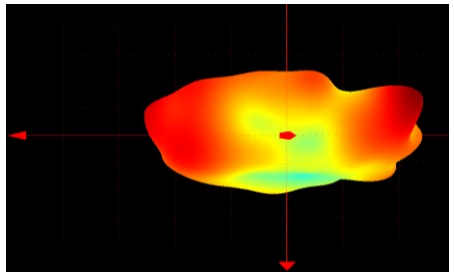
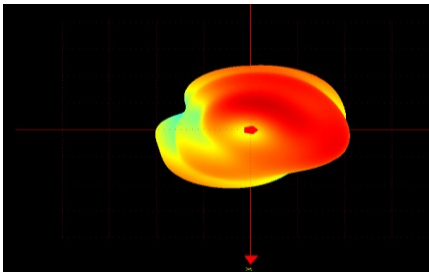
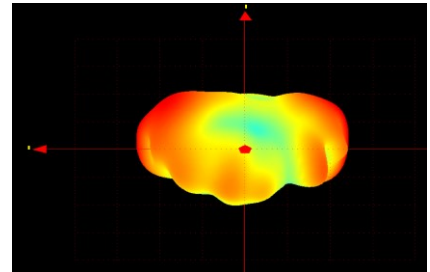
1920M

B2 N2



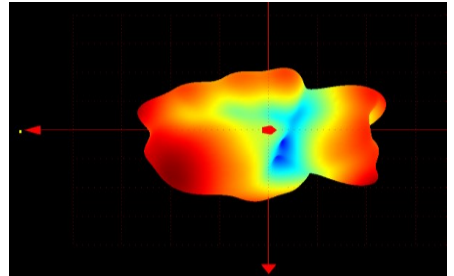
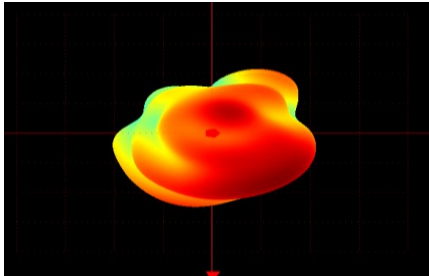
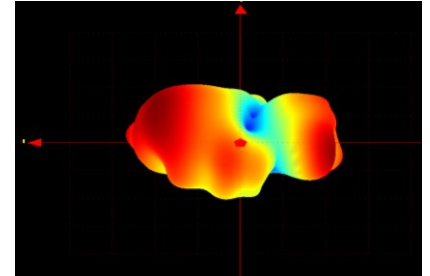
1800M

B3



1900M

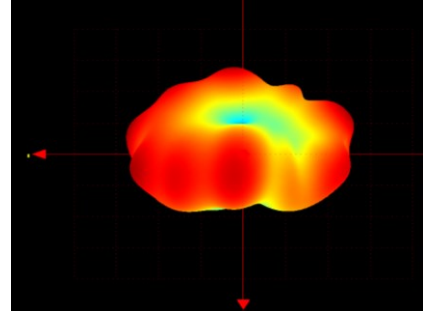
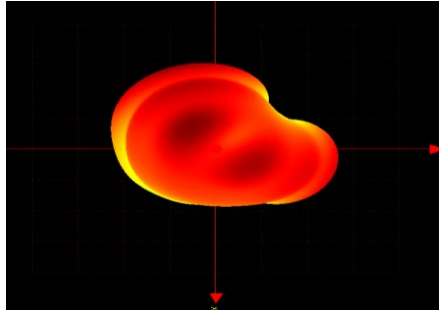
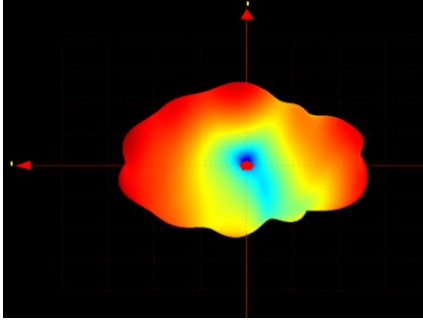
B4



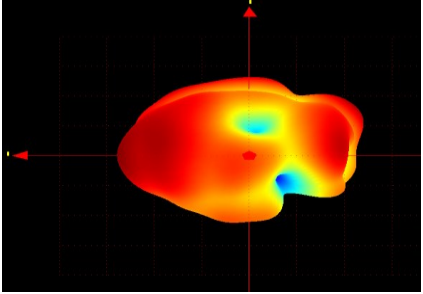
Electrical performance test report

Customer	zhong nuo	Written By	Min luo	Orig. Date	#####
Part Number	02.5418.337000-101	Revised By	Zhengwei cher	Revised Date	#####
Description1	L30 Main_ant(bracket assembly)	Approved By	zhefeng jiang	Approved Date	#####

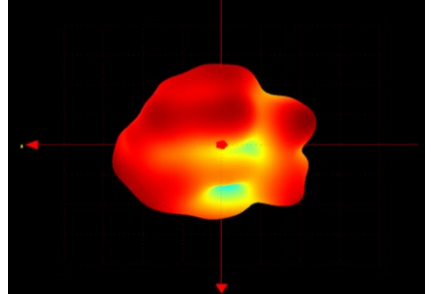
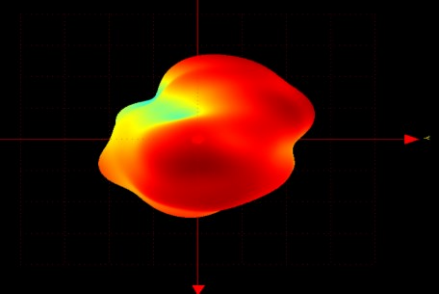
860M B5 N5 B26



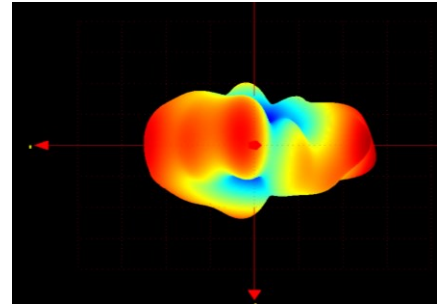
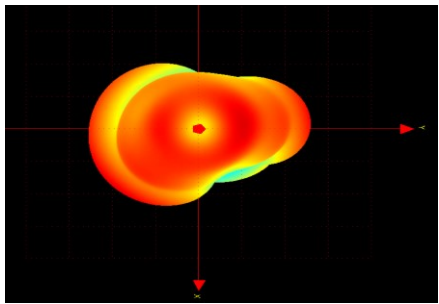
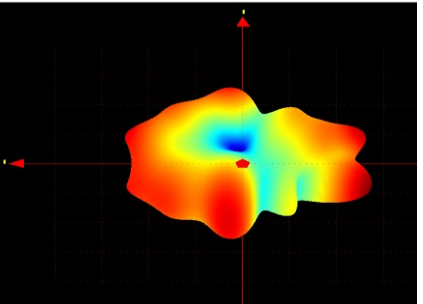
2600M B7 N7 B41 N41



B38 N38



720M B17 B12



660M N71 B71

