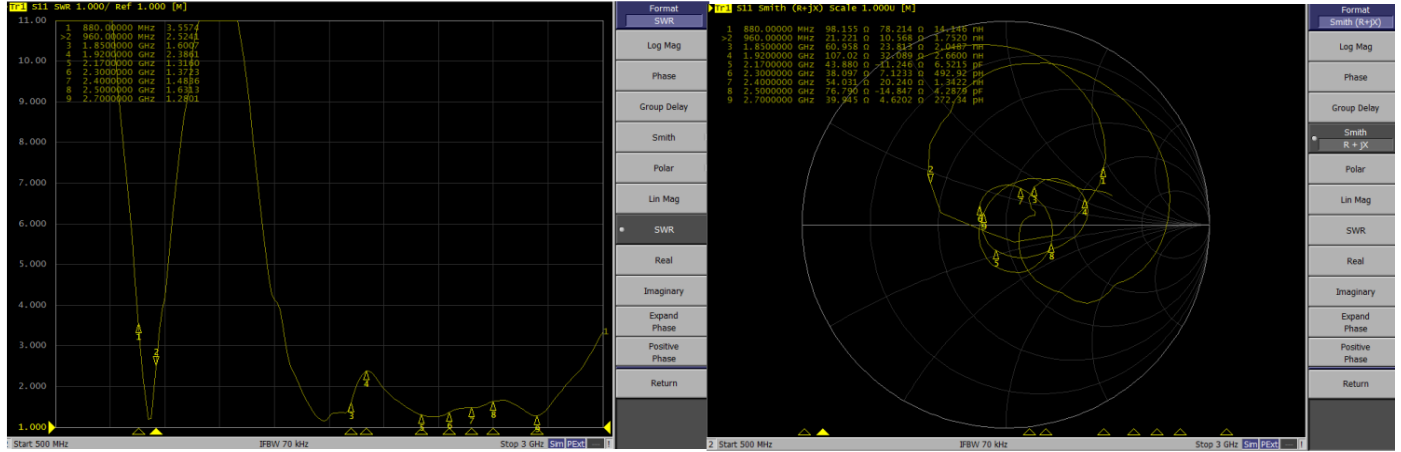


Electrical performance test report

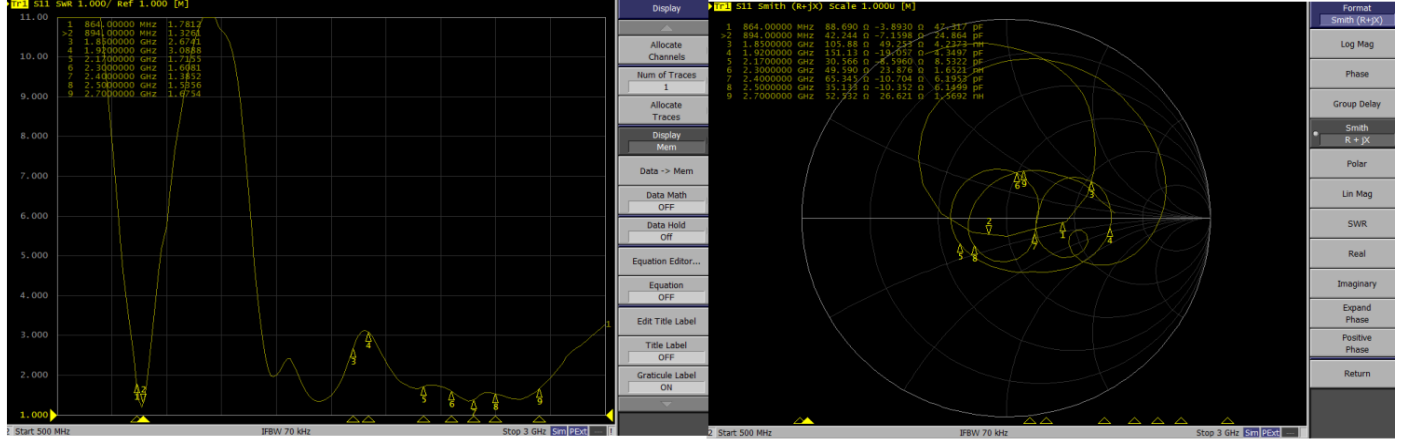
Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-001	Revised By	chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

1.VSWR&Smith Chart

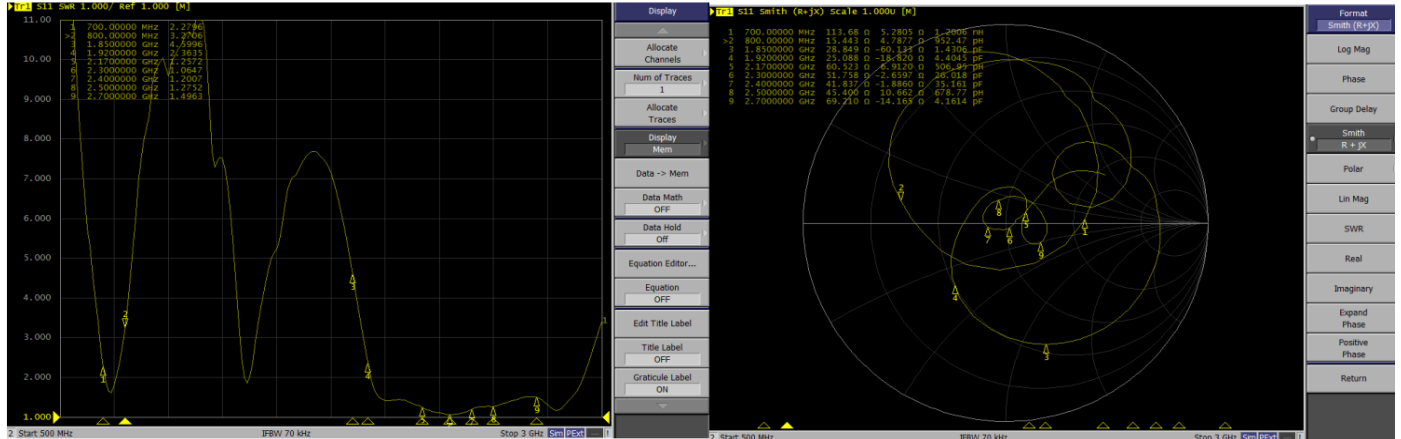
DIV (ANT1) S11 低频920-960MHZ



低频864-964MHZ

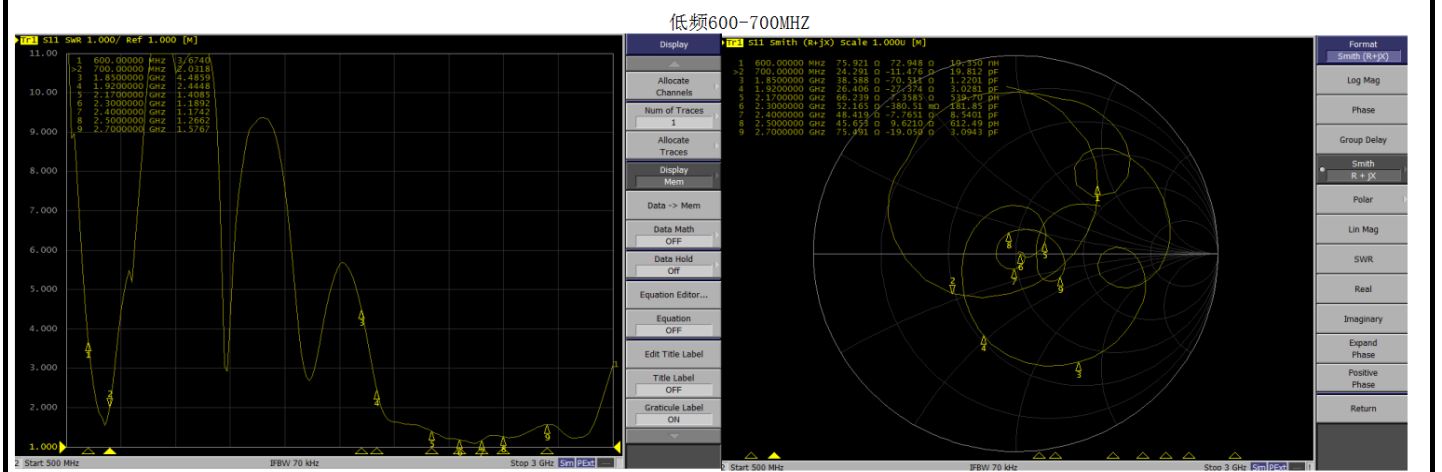


低频700-820MHZ

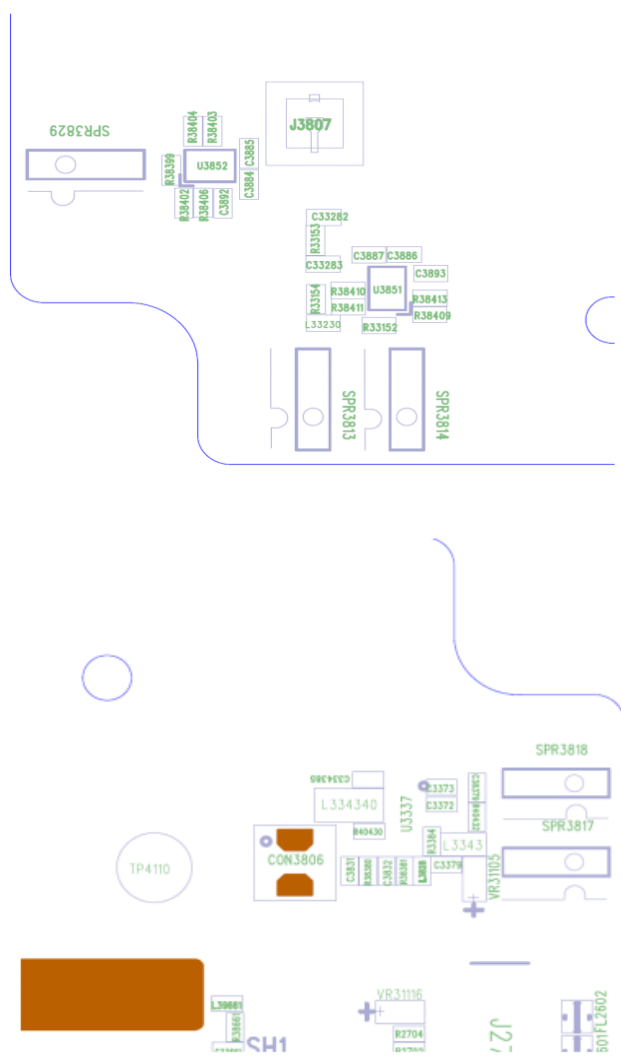


Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-001	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####



2. Matching circuit



位号	值
C33283 (并)	9.1NH
R33154 (串)	4.7NH
L33230 (并)	0.5PF
R33153	OR
C33282	NC

位号	值
R38406	OR
R38403	18NH
R38404	18NH
R38402	39NH
R38399	NC

天线Switch	Low Band	High Band
	RF1	(B5/8/18/19/20/26)(N5/8/20)
RF2	B12 B17	
RF3	(B13/28)(N28)	
RF4	N71	

位号	值
L3828	4.7NH
R38381	OR
C3832	NC
R38380	OR
C3831	NC
地脚	C38379
	22PF

Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-001	Revised By	chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

3.No-source test data

RF1 LTE 1/2/3/4/5/7/8/25/26/29/30/38/66,NR 2/5/7							
Frequency	Efficiency	Efficiency .	Gain . dBi	Frequency	Efficiency	Efficiency .	Gain . dBi
800000000	11%	-9.606740151	-7.37199688	800000000	6%	-12.20678738	-7.215458393
810000000	12%	-9.32746359	-7.155673504	810000000	7%	-11.67771716	-6.430098534
820000000	15%	-8.125175215	-5.845264435	820000000	8%	-11.07008287	-6.1246562
824000000	20%	-7.032063554	-4.896309376	824000000	9%	-10.49737476	-5.57997942
830000000	25%	-6.005045866	-4.730012417	830000000	9%	-10.62745214	-5.734267712
840000000	30%	-5.185618772	-2.87540555	840000000	9%	-10.29144043	-5.543649197
850000000	34%	-4.721252473	-1.249875903	850000000	10%	-9.93180897	-5.302306175
860000000	37%	-4.30102551	-0.186013743	860000000	11%	-9.533698593	-4.436359882
870000000	38%	-4.248818944	0.226794049	870000000	13%	-8.778792651	-3.649279356
880000000	40%	-4.027412613	-0.042795133	880000000	16%	-8.059922571	-3.377132654
890000000	40%	-3.992524769	0.500612855	890000000	21%	-6.823899464	-2.225172043
894000000	39%	-4.079035651	0.759009063	894000000	23%	-6.389093426	-1.872138858
900000000	37%	-4.272363438	0.710469365	900000000	27%	-5.629031147	-0.85593909
910000000	33%	-4.79924498	0.842047393	910000000	34%	-4.656118513	0.336353123
920000000	23%	-6.358345335	0.97523582	920000000	39%	-4.054801025	1.225236893
930000000	22%	-6.659398112	1.085141659	930000000	42%	-3.774442246	1.936048985
940000000	26%	-5.857504778	1.017967582	940000000	37%	-4.294614221	1.624878407
950000000	23%	-6.303945305	-0.26802361	950000000	25%	-6.066040686	-0.152811185
960000000	23%	-6.378754781	-1.095773935	960000000	29%	-5.327217742	0.505692184
1.7E+09	21%	-6.861269212	1.759325147	1.7E+09	51%	-2.893451991	2.207759857
1.71E+09	50%	-3.041101647	1.861329317	1.71E+09	51%	-2.89190609	2.247323275
1.72E+09	50%	-3.052809231	1.877283812	1.72E+09	53%	-2.768732162	2.268524647
1.74E+09	47%	-3.298296216	1.557643175	1.74E+09	52%	-2.83367009	1.892014384
1.76E+09	46%	-3.371606415	1.330388665	1.76E+09	51%	-2.892687964	1.593479753
1.78E+09	47%	-3.310724643	1.009836316	1.78E+09	52%	-2.876934411	1.518209696
1.8E+09	47%	-3.269642176	1.18635571	1.8E+09	51%	-2.896342287	1.485402346
1.82E+09	45%	-3.513681411	1.673637867	1.82E+09	48%	-3.219595369	2.28869009
1.84E+09	49%	-3.072724027	1.62163806	1.84E+09	42%	-3.72651613	2.046378136
1.86E+09	45%	-3.490796845	1.836848974	1.86E+09	42%	-3.816810279	2.413178205
1.88E+09	47%	-3.31964023	1.48596561	1.88E+09	39%	-4.132945836	2.220530272
1.9E+09	43%	-3.6988616	1.528038859	1.9E+09	37%	-4.348647517	2.099177599
1.92E+09	42%	-3.726061133	1.418364882	1.92E+09	36%	-4.450662246	1.943180323
1.94E+09	41%	-3.867978018	0.534163177	1.94E+09	38%	-4.241653757	1.288622975
1.96E+09	43%	-3.714323294	0.343883216	1.96E+09	42%	-3.808515953	1.251225829
1.98E+09	44%	-3.534920363	0.671340406	1.98E+09	44%	-3.549084004	1.301601887
2E+09	45%	-3.493442087	1.509768009	2E+09	48%	-3.19990598	1.781437159
2.02E+09	42%	-3.747372657	1.489636779	2.02E+09	51%	-2.90061485	1.842382789
2.04E+09	45%	-3.496826989	1.846784472	2.04E+09	53%	-2.748566572	1.95506537
2.06E+09	47%	-3.286034668	1.680369139	2.06E+09	52%	-2.828778777	1.644491076
2.08E+09	48%	-3.17753857	2.002736568	2.08E+09	54%	-2.701893666	1.893306017
2.1E+09	46%	-3.327889944	1.827858567	2.1E+09	53%	-2.768500634	2.064602613
2.12E+09	48%	-3.158102191	1.620165706	2.12E+09	54%	-2.663593779	2.497858763
2.14E+09	46%	-3.352703797	1.730766177	2.14E+09	55%	-2.630312855	2.595291615
2.16E+09	46%	-3.343755114	1.459789634	2.16E+09	56%	-2.551878305	2.155357122
2.18E+09	47%	-3.263966693	1.39655292	2.18E+09	57%	-2.441427936	2.769513607
2.2E+09	48%	-3.210952172	1.232241869	2.2E+09	57%	-2.439510932	2.762167692
2.22E+09	45%	-3.492770834	1.159522295	2.22E+09	53%	-2.717241374	2.850043535
2.24E+09	46%	-3.396349938	1.371180058	2.24E+09	55%	-2.585935844	2.469590425
2.26E+09	44%	-3.592230217	1.348274827	2.26E+09	53%	-2.755648259	2.494966745
2.28E+09	43%	-3.711418592	1.39470911	2.28E+09	52%	-2.837606015	2.359743118
2.3E+09	41%	-3.837901277	1.355912805	2.3E+09	50%	-2.980124171	2.147287607
2.32E+09	40%	-3.933671272	1.198246121	2.32E+09	49%	-3.098547244	2.113608837
2.34E+09	43%	-3.691197219	1.012136102	2.34E+09	51%	-2.930498681	2.199554682
2.36E+09	43%	-3.67594445	1.608839512	2.36E+09	51%	-2.914741899	1.894171
2.38E+09	44%	-3.609549617	1.894621611	2.38E+09	50%	-3.043964104	1.854769111
2.4E+09	41%	-3.91001746	1.460538149	2.4E+09	50%	-2.986045322	2.114982605
2.42E+09	39%	-4.092035682	1.002781868	2.42E+09	47%	-3.238653592	1.816863894
2.44E+09	38%	-4.202099256	1.150701284	2.44E+09	47%	-3.296567657	2.272345543
2.46E+09	38%	-4.171791393	1.317312479	2.46E+09	45%	-3.436403159	2.308543205
2.48E+09	39%	-4.090218537	1.033136129	2.48E+09	45%	-3.440733909	2.446391582
2.5E+09	42%	-3.81465045	1.046428442	2.5E+09	45%	-3.462464068	2.694228649
2.52E+09	44%	-3.574385211	0.96173209	2.52E+09	46%	-3.360326515	2.752430677
2.54E+09	44%	-3.553769375	1.115686655	2.54E+09	44%	-3.535870839	1.937373638
2.56E+09	45%	-3.484680201	0.316534787	2.56E+09	47%	-3.262781943	2.04787612
2.58E+09	48%	-3.219378434	0.927279174	2.58E+09	47%	-3.296984964	1.780373812
2.6E+09	46%	-3.356492579	0.867496192	2.6E+09	47%	-3.27499815	1.815276742
2.62E+09	45%	-3.455235296	0.926859498	2.62E+09	46%	-3.367880132	1.582290888
2.64E+09	45%	-3.474901346	0.568847299	2.64E+09	45%	-3.463171341	1.427995682
2.66E+09	43%	-3.680862309	0.214775622	2.66E+09	46%	-3.384569904	1.553390145
2.68E+09	41%	-3.873511386	0.171506524	2.68E+09	43%	-3.65115833	1.463395238
2.69E+09	42%	-3.815784851	0.468237877	2.69E+09	42%	-3.738531596	1.400311708
2.7E+09	39%	-4.086568274	0.325621337	2.7E+09	41%	-3.889922452	1.1507622

Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-001	Revised By	chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

RF2 B12/17				RF3 B28/B13/B14/N28				RF4 B71/N71			
Frequency	Efficient	Efficiency .	Gain . dBi	Frequency	Efficient	Efficiency .	Gain . dBi	Frequency	Efficient	Efficiency .	Gain . dBi
680000000	19%	-7.263629994	-2.361680964	680000000	19%	-7.263629994	-2.361680964	600000000	10%	-10.22216092	-5.744984965
690000000	22%	-6.537381565	-1.808921343	690000000	22%	-6.537381565	-1.808921343	610000000	12%	-9.21368317	-4.832250589
698000000	28%	-5.555368671	-0.932067617	698000000	28%	-5.555368671	-0.932067617	620000000	15%	-8.342674831	-3.764929703
700000000	26%	-5.775741974	-1.187479122	700000000	26%	-5.775741974	-1.187479122	630000000	18%	-7.4326229	-2.9291016383
710000000	29%	-5.40245496	-0.824925737	710000000	29%	-5.40245496	-0.824925737	640000000	22%	-6.652819124	-1.990937699
720000000	31%	-5.125257292	-0.546585306	720000000	31%	-5.125257292	-0.546585306	650000000	25%	-6.034324405	-1.157751401
730000000	31%	-5.024135926	-0.06322381	730000000	31%	-5.024135926	-0.06322381	660000000	25%	-5.938769187	-0.875431095
740000000	32%	-4.931316895	0.323675105	740000000	32%	-4.931316895	0.323675105	670000000	26%	-5.87109175	-0.829002576
750000000	30%	-5.220030602	0.028920067	750000000	30%	-5.220030602	0.028920067	680000000	25%	-6.007362545	-1.339323244
760000000	25%	-6.06453325	-1.309597216	760000000	25%	-6.06453325	-1.309597216	690000000	24%	-6.203823302	-1.848072327
770000000	26%	-5.82830179	-1.161236905	770000000	26%	-5.82830179	-1.161236905	698000000	22%	-6.49929072	-1.916953565
780000000	26%	-5.88442584	-1.013155574	780000000	26%	-5.88442584	-1.013155574	700000000	19%	-7.105343025	-2.53913704
791000000	23%	-6.466737933	-1.789539894	791000000	23%	-6.466737933	-1.789539894	710000000	14%	-8.531166372	-3.908307245
800000000	18%	-7.501929237	-3.187472268	800000000	18%	-7.501929237	-3.187472268	720000000	11%	-9.443826276	-4.588978244
810000000	14%	-8.411454341	-3.574691041	810000000	14%	-8.411454341	-3.574691041	1.7E+09	13%	-8.866078648	-4.072762762
820000000	12%	-9.269118271	-4.056016259	820000000	12%	-9.269118271	-4.056016259	1.71E+09	12%	-9.22973611	-4.586085417
1.7E+09	4%	-14.25379233	-9.209783778	1.7E+09	4%	-14.25379233	-9.209783778	1.72E+09	11%	-9.546296479	-4.804830921
1.71E+09	3%	-14.7962015	-9.764024315	1.71E+09	3%	-14.7962015	-9.764024315	1.74E+09	10%	-10.1985577	-5.198253108
1.72E+09	3%	-15.12948329	-9.998623479	1.72E+09	3%	-15.12948329	-9.998623479	1.76E+09	7%	-11.29358961	-6.556645175
1.74E+09	3%	-15.21528048	-9.845215844	1.74E+09	3%	-15.21528048	-9.845215844	1.78E+09	6%	-12.27236072	-7.970163072
1.76E+09	3%	-14.83629507	-9.566102731	1.76E+09	3%	-14.83629507	-9.566102731	1.8E+09	5%	-12.85604351	-8.48448708
1.78E+09	4%	-14.04815069	-8.79892729	1.78E+09	4%	-14.04815069	-8.79892729	1.82E+09	5%	-13.20905234	-8.214893729
1.8E+09	5%	-13.32371802	-7.748514964	1.8E+09	5%	-13.32371802	-7.748514964	1.84E+09	5%	-12.72241189	-7.232499338
1.82E+09	5%	-12.93644589	-6.914432617	1.82E+09	5%	-12.93644589	-6.914432617	1.86E+09	6%	-12.31317576	-6.980795415
1.84E+09	6%	-11.99319636	-5.581140547	1.84E+09	6%	-11.99319636	-5.581140547	1.88E+09	7%	-11.54626731	-6.703246168
1.86E+09	8%	-11.23155429	-0.065378927	1.86E+09	8%	-11.23155429	-0.065378927	1.9E+09	9%	-10.42671886	-5.445945354
1.88E+09	10%	-10.13472299	-4.694227829	1.88E+09	10%	-10.13472299	-4.694227829	1.92E+09	13%	-8.857892229	-3.809636407
1.9E+09	12%	-9.313683665	-3.820603303	1.9E+09	12%	-9.313683665	-3.820603303	1.94E+09	20%	-7.094980826	-2.107015708
1.92E+09	15%	-8.341560603	-2.44041424	1.92E+09	15%	-8.341560603	-2.44041424	1.96E+09	24%	-6.121843443	-0.991794848
1.94E+09	21%	-6.708169035	-1.222845065	1.94E+09	21%	-6.708169035	-1.222845065	1.98E+09	29%	-5.392279585	-0.324836883
1.96E+09	28%	-5.489165164	-0.532493227	1.96E+09	28%	-5.489165164	-0.532493227	2E+09	34%	-4.681657627	0.76999009
1.98E+09	35%	-4.561022813	-0.009357165	1.98E+09	35%	-4.561022813	-0.009357165	2.02E+09	37%	-4.269423937	1.222424432
2E+09	42%	-3.818570512	0.689089398	2E+09	42%	-3.818570512	0.689089398	2.04E+09	41%	-3.836299034	1.644637473
2.02E+09	45%	-3.442586266	1.18452193	2.02E+09	45%	-3.442586266	1.18452193	2.06E+09	43%	-3.616296762	1.61169582
2.04E+09	49%	-3.08906002	1.786700515	2.04E+09	49%	-3.08906002	1.786700515	2.08E+09	45%	-3.466614724	1.948002494
2.06E+09	50%	-3.027401682	1.323103294	2.06E+09	50%	-3.027401682	1.323103294	2.1E+09	48%	-3.166144098	2.269998802
2.08E+09	51%	-2.890123272	1.385749251	2.08E+09	51%	-2.890123272	1.385749251	2.12E+09	51%	-2.904556247	2.574710727
2.1E+09	55%	-2.61054345	2.130726361	2.1E+09	55%	-2.61054345	2.130726361	2.14E+09	55%	-2.606179753	2.918396759
2.12E+09	56%	-2.528159831	2.523137052	2.12E+09	56%	-2.528159831	2.523137052	2.16E+09	56%	-2.480596841	3.210973754
2.14E+09	57%	-2.409488089	2.290223109	2.14E+09	57%	-2.409488089	2.290223109	2.18E+09	58%	-2.363534482	3.709714382
2.16E+09	59%	-2.286871687	2.124757439	2.16E+09	59%	-2.286871687	2.124757439	2.2E+09	59%	-2.296676033	3.960251461
2.18E+09	59%	-2.280858309	3.327811475	2.18E+09	59%	-2.280858309	3.327811475	2.22E+09	55%	-2.616879831	3.505140702
2.2E+09	59%	-2.290880276	2.647749626	2.2E+09	59%	-2.290880276	2.647749626	2.24E+09	58%	-2.335340165	3.54498036
2.22E+09	56%	-2.551984756	2.165180264	2.22E+09	56%	-2.551984756	2.165180264	2.26E+09	58%	-2.350758032	4.105335081
2.24E+09	58%	-2.385921239	2.406879364	2.24E+09	58%	-2.385921239	2.406879364	2.28E+09	58%	-2.347978869	4.020391767
2.26E+09	56%	-2.504682952	2.250528094	2.26E+09	56%	-2.504682952	2.250528094	2.3E+09	56%	-2.501656451	3.285050403
2.28E+09	56%	-2.493008484	2.422380995	2.28E+09	56%	-2.493008484	2.422380995	2.32E+09	56%	-2.549344262	3.150253457
2.3E+09	54%	-2.637231359	2.142597133	2.3E+09	54%	-2.637231359	2.142597133	2.34E+09	55%	-2.586846071	3.001474753
2.32E+09	55%	-2.603639715	2.430684135	2.32E+09	55%	-2.603639715	2.430684135	2.36E+09	53%	-2.720258074	2.988485119
2.34E+09	55%	-2.634241381	2.644336684	2.34E+09	55%	-2.634241381	2.644336684	2.38E+09	50%	-3.042466781	2.407304606
2.36E+09	53%	-2.733506773	2.66855656	2.36E+09	53%	-2.733506773	2.66855656	2.4E+09	49%	-3.08845014	3.281042305
2.38E+09	49%	-3.133880681	2.532330979	2.38E+09	49%	-3.133880681	2.532330979	2.42E+09	47%	-3.247965209	3.103076144
2.4E+09	49%	-3.064389153	3.370445981	2.4E+09	49%	-3.064389153	3.370445981	2.44E+09	47%	-3.248217576	3.411967332
2.42E+09	47%	-3.264591847	2.784336144	2.42E+09	47%	-3.264591847	2.784336144	2.46E+09	50%	-2.993970749	3.539986718
2.44E+09	46%	-3.38464833	2.994263267	2.44E+09	46%	-3.38464833	2.994263267	2.48E+09	51%	-2.896886563	3.910829901
2.46E+09	48%	-3.212507614	3.221978401	2.46E+09	48%	-3.212507614	3.221978401	2.5E+09	52%	-2.871275342	2.110859299
2.48E+09	49%	-3.11645441	2.76907102	2.48E+09	49%	-3.11645441	2.76907102	2.52E+09	53%	-2.783438154	1.89179661
2.5E+09	49%	-3.05950635	2.298552772	2.5E+09	49%	-3.05950635	2.298552772	2.54E+09	52%	-2.829864138	1.903039133
2.52E+09	50%	-2.997672718	2.20950059	2.52E+09	50%	-2.997672718	2.20950059	2.56E+09	52%	-2.856138603	1.451738794
2.54E+09	49%	-3.088231101	2.298869358	2.54E+09	49%	-3.088231101	2.298869358	2.58E+09	54%	-2.682713066	1.624709216
2.56E+09	49%	-3.071488759	1.635656176	2.56E+09	49%	-3.071488759	1.635656176	2.6E+09	50%	-3.034290841	1.84887789
2.58E+09	51%	-2.891436412	2.078277456	2.58E+09	51%	-2.891436412	2.078277456	2.62E+09	52%	-2.848541368	2.304575178
2.6E+09	48%	-3.219590789	1.672013242	2.6E+09	48%	-3.219590789	1.672013242	2.64E+09	49%	-3.056889925	2.311764656
2.62E+09	50%	-3.043972361	1.756076269	2.62E+09	50%	-3.043972361	1.756076269	2.66E+09	49%	-3.07037214	2.613961898
2.64E+09	48%	-3.232085465	1.726333419	2.64E+09	48%	-3.232085465	1.726333419	2.68E+09	49%	-3.098128471	2.769845848
2.66E+09	47%	-3.267147388	1.815998461	2.66E+09	47%	-3.267147388	1.815998461	2.69E+09	49%	-3.118378175	2.753327246
2.68E+09	47%	-3.319653825	1.584910957	2.68E+09	47%	-3.319653825	1.584910957	2.7E+09	46%	-3.365216314	2.59724744
2.69E+09	46%	-3.339670661	1.563624221	2.69E+09	46%	-3.339670661	1.563624221				
2.7E+09	44%	-3.576228309	1.398387455	2.7E+09	44%	-3.576228309	1.398387455				

Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-001	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

ANT 3 LTE 1/2/3/4/7/25/29/30/38/41/42/48/66 NR

Frequency	Efficiency	Efficiency .	Gain . dBi
1700000000	12%	-9.30717709	-1.617956281
1710000000	12%	-9.079785435	-1.290499449
1720000000	15%	-8.343573199	-0.606766164
1740000000	19%	-7.250335676	-0.113197356
1760000000	19%	-7.136912173	0.04027614
1780000000	25%	-6.054083387	0.113152035
1800000000	29%	-5.314433784	-0.062819444
1820000000	33%	-4.749919027	0.322854966
1840000000	39%	-4.087869202	1.082125783
1860000000	43%	-3.658722346	1.58617425
1880000000	45%	-3.467469822	1.486629009
1900000000	44%	-3.571580238	1.322895885
1920000000	46%	-3.375757034	1.358813763
1940000000	48%	-3.210900874	2.031215429
1960000000	46%	-3.399550466	2.253143311
1980000000	43%	-3.667160568	1.972159863
2000000000	44%	-3.568557671	1.864358902
2020000000	46%	-3.349182132	2.280480385
2040000000	47%	-3.269050658	2.427144527
2060000000	47%	-3.267547811	2.3822155
2080000000	48%	-3.149386404	2.663051367
2100000000	48%	-3.222660466	2.692339897
2120000000	48%	-3.218789227	2.867840052
2140000000	48%	-3.22186629	3.343139648
2160000000	48%	-3.149951835	3.582384109
2180000000	48%	-3.190660013	3.626525164
2200000000	44%	-3.5182182	2.858203888
2220000000	44%	-3.603226448	1.397004962
2240000000	45%	-3.501650361	1.315034866

ant 3		
Frequency	Efficiency . dB	gain
2300000000	-3.27	1.59
2320000000	-3.15	2.29
2340000000	-3.39	2.12
2360000000	-3.74	1.19
2380000000	-3.95	0.89
2400000000	-4.50	1.23
2420000000	-4.67	2.09
2440000000	-4.34	2.60
2460000000	-4.60	2.53
2480000000	-4.30	2.98
2500000000	-4.24	2.54
2520000000	-4.22	2.01
2540000000	-4.32	1.83
2560000000	-4.32	1.65
2580000000	-4.18	1.35
2600000000	-4.42	1.39
2620000000	-4.28	1.46
2640000000	-4.16	1.65
2660000000	-4.37	1.50
2680000000	-4.52	0.99
2690000000	-4.45	0.97

Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-001	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

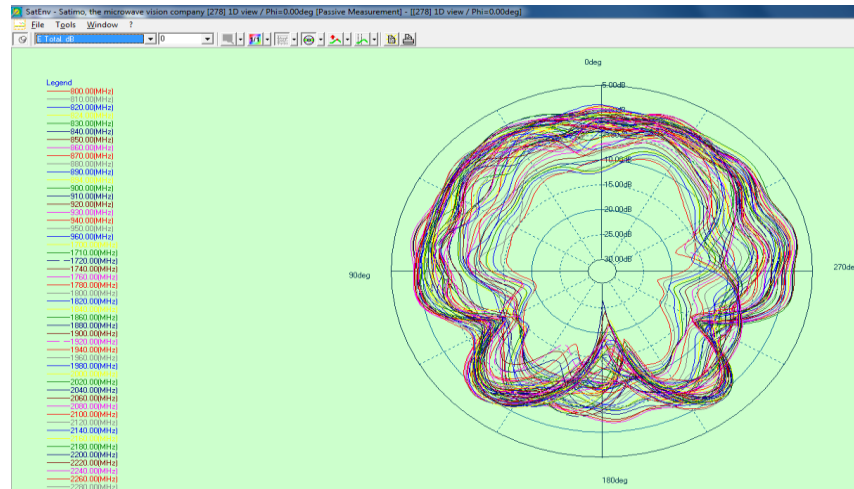
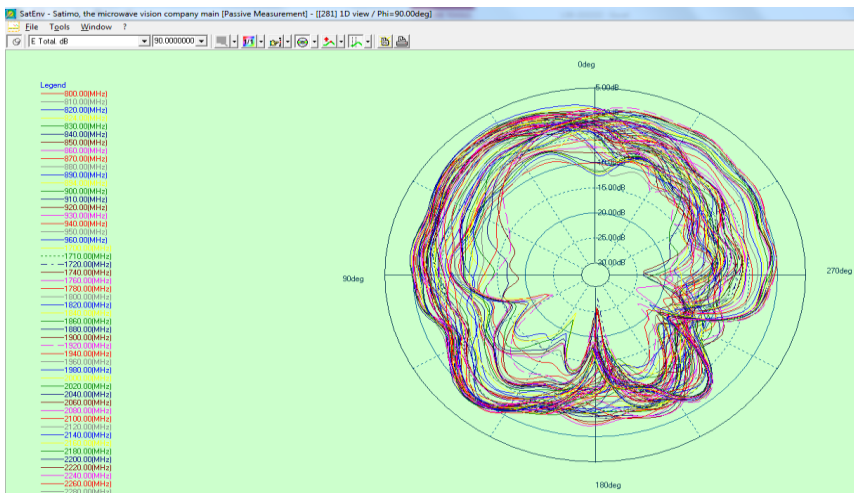
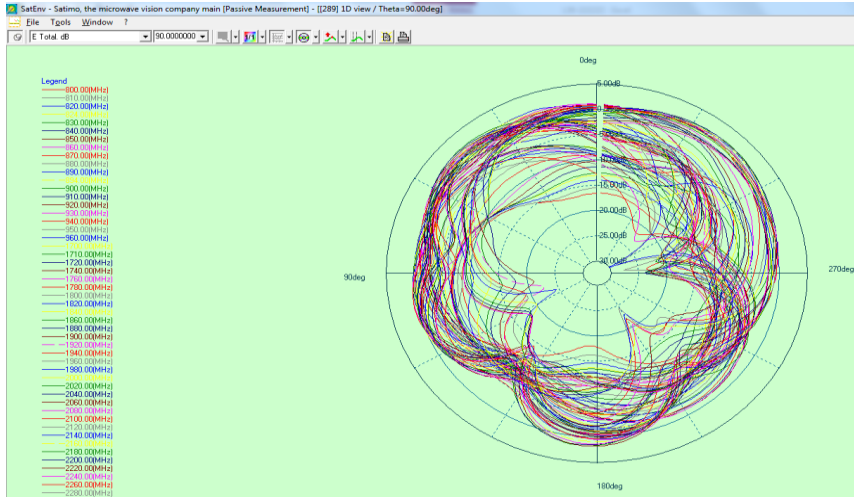
Frequency	Efficiency	Efficiency .	Gain . dBi
3300000000	44%	-3.53297647	1.503551245
3320000000	44%	-3.530561588	1.205447555
3340000000	45%	-3.422060949	1.323121786
3360000000	44%	-3.591381152	0.934453845
3380000000	43%	-3.649062561	1.125177145
3400000000	43%	-3.659749096	1.08548367
3420000000	43%	-3.672202984	0.66617167
3440000000	42%	-3.753316621	0.650985122
3460000000	46%	-3.416218514	0.782864511
3480000000	44%	-3.540698043	0.998397291
3500000000	45%	-3.475730884	0.959152877
3520000000	46%	-3.346109735	0.831235588
3540000000	47%	-3.305891732	1.241143703
3560000000	48%	-3.160949743	1.323706508
3580000000	49%	-3.085746543	1.597293496
3600000000	50%	-3.047629467	1.413013339
3620000000	51%	-2.930744516	1.327327132
3640000000	51%	-2.922887711	1.547546387
3660000000	50%	-3.043468194	2.221315622
3680000000	50%	-3.019849581	1.790216327
3700000000	50%	-2.980914087	1.79390204
3720000000	50%	-2.980822398	1.983250618
3740000000	48%	-3.191801465	1.91217649
3760000000	48%	-3.219814474	1.694048285
3780000000	49%	-3.106161613	1.596628189
3800000000	46%	-3.414657289	1.386841059
3820000000	45%	-3.474881976	1.365762234
3840000000	45%	-3.475945931	1.4375664
3860000000	45%	-3.441369957	1.645888448
3880000000	45%	-3.459757311	1.723149538
3900000000	45%	-3.496436077	1.665345311
3920000000	45%	-3.450213951	1.715266466
3940000000	46%	-3.367057599	1.693526387
3960000000	44%	-3.584266392	1.516053796
3980000000	45%	-3.473855221	1.711312771
4000000000	47%	-3.243747693	2.148816109
4020000000	46%	-3.365138835	2.048582792
4040000000	47%	-3.25891575	2.046360731
4060000000	47%	-3.253972363	2.080092907
4080000000	48%	-3.146827946	2.082851171
4100000000	47%	-3.237991208	1.905364871
4120000000	49%	-3.098398749	2.207299948

Frequency	Efficiency	Efficiency .	Gain . dBi
4140000000	49%	-3.069280828	2.311807871
4160000000	52%	-2.843504416	2.356785536
4180000000	52%	-2.801967141	2.47206378
4200000000	53%	-2.780900067	2.515939713
4220000000	55%	-2.630159917	2.860536098
4240000000	54%	-2.636828501	2.939009428
4260000000	55%	-2.626828585	3.12498951
4280000000	55%	-2.600449609	3.388426542
4300000000	55%	-2.578900716	3.427544117
4320000000	57%	-2.462276499	3.583157539
4340000000	55%	-2.606433272	3.307590961
4360000000	55%	-2.602318385	3.502329826
4380000000	56%	-2.543975995	3.514972448
4400000000	57%	-2.40411283	3.470566511
4420000000	56%	-2.503772431	3.183873892
4440000000	59%	-2.308847946	3.340744734
4460000000	57%	-2.445993243	3.087298155
4480000000	58%	-2.402928393	2.927918434
4500000000	56%	-2.518339161	2.683947563
4520000000	57%	-2.452093988	2.638924837
4540000000	57%	-2.407887777	2.590420246
4560000000	56%	-2.493082813	2.571236849
4580000000	57%	-2.472696347	2.760044336
4600000000	56%	-2.529813727	3.012896061
4620000000	56%	-2.544837995	3.108780146
4640000000	53%	-2.725659546	2.848907709
4660000000	55%	-2.603409079	3.328501463
4680000000	54%	-2.660163173	3.090345383
4700000000	53%	-2.778170132	2.886874676
4720000000	52%	-2.833651858	2.956014633
4740000000	53%	-2.793415729	3.155494928
4760000000	52%	-2.843561526	3.200142145
4780000000	51%	-2.91947428	3.330883741
4800000000	51%	-2.88942026	3.308425665
4820000000	50%	-3.004974827	3.100896835
4840000000	51%	-2.950406907	3.265777349
4860000000	49%	-3.107176826	3.231683969
4880000000	50%	-3.047968171	3.171664476
4900000000	50%	-3.041568988	2.646128416
4920000000	48%	-3.144426225	2.38659358
4940000000	49%	-3.10975086	2.386325121
4960000000	45%	-3.464519152	1.880258441
4980000000	48%	-3.214757766	1.994443417
5000000000	46%	-3.395060087	1.965609789

Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-001	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

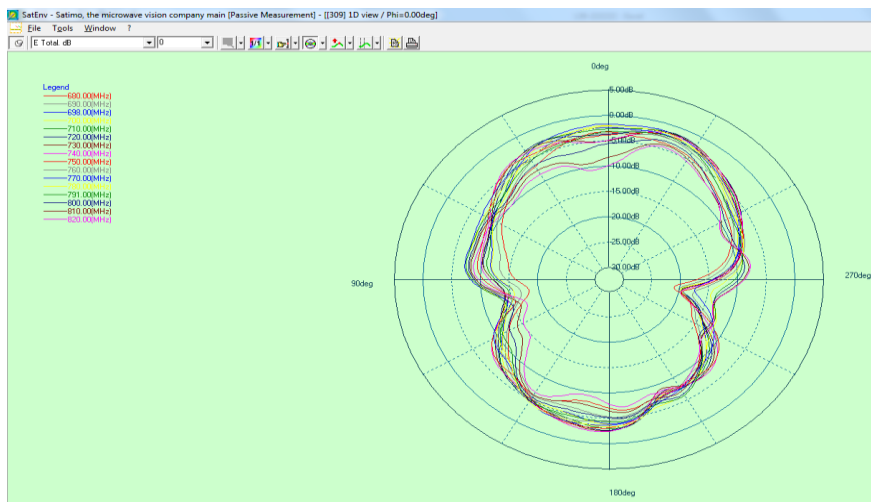
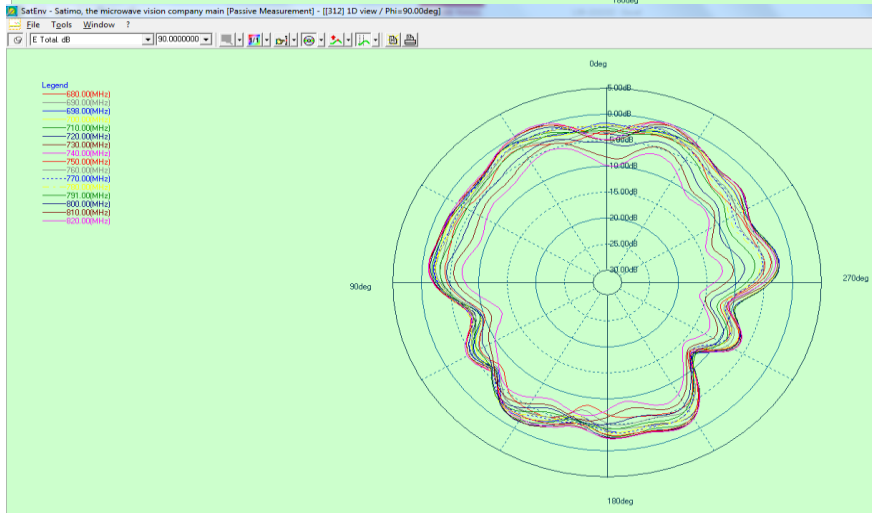
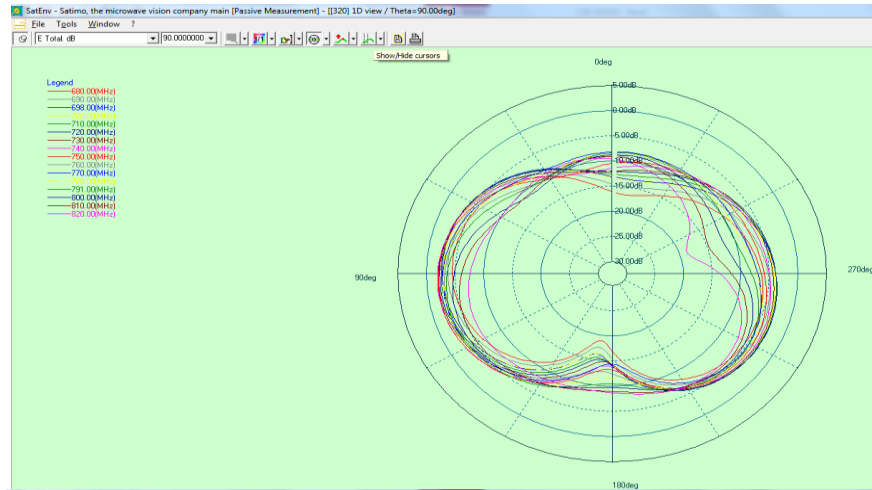
5. Directional drawing of horizontal plane of RF1



Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-001	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

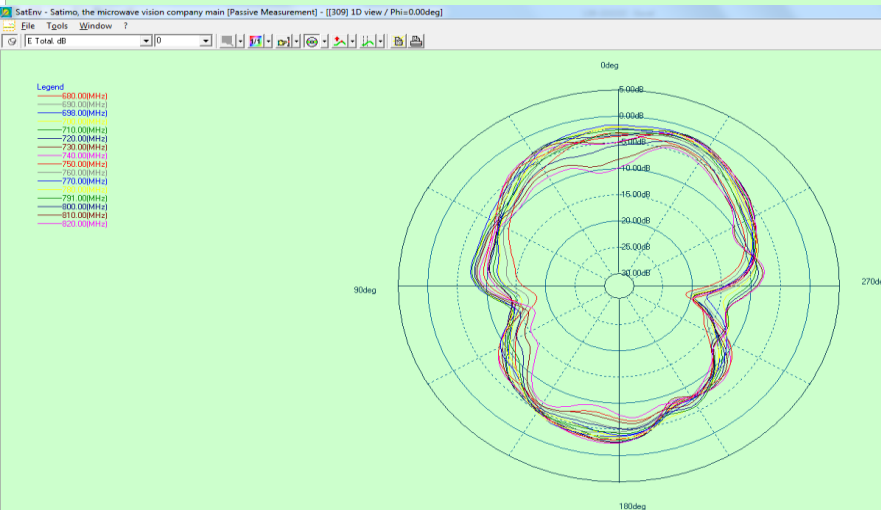
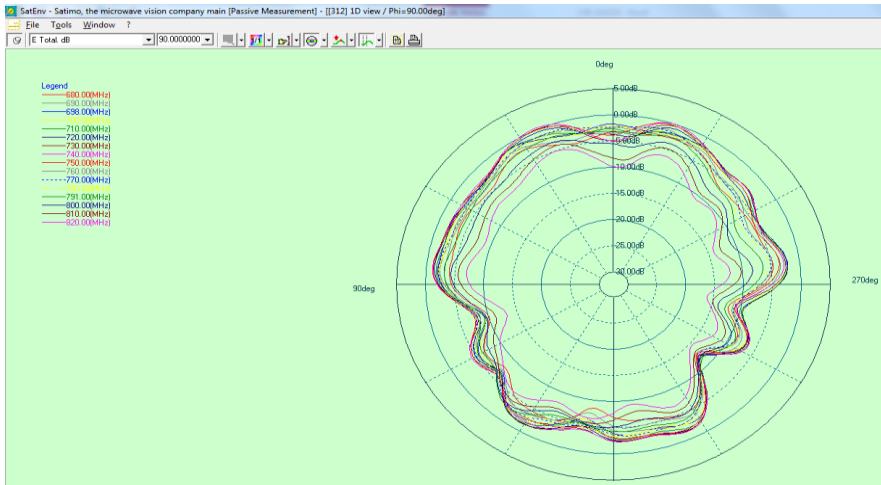
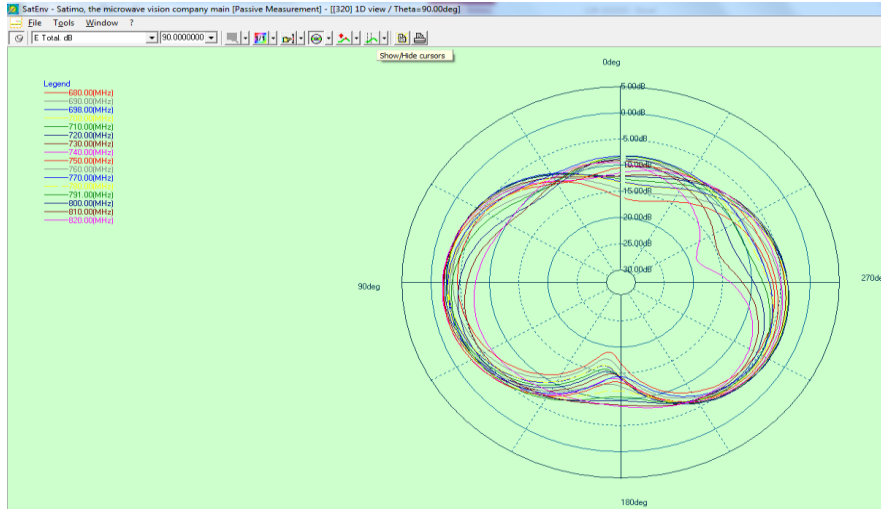
RF2



Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-001	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

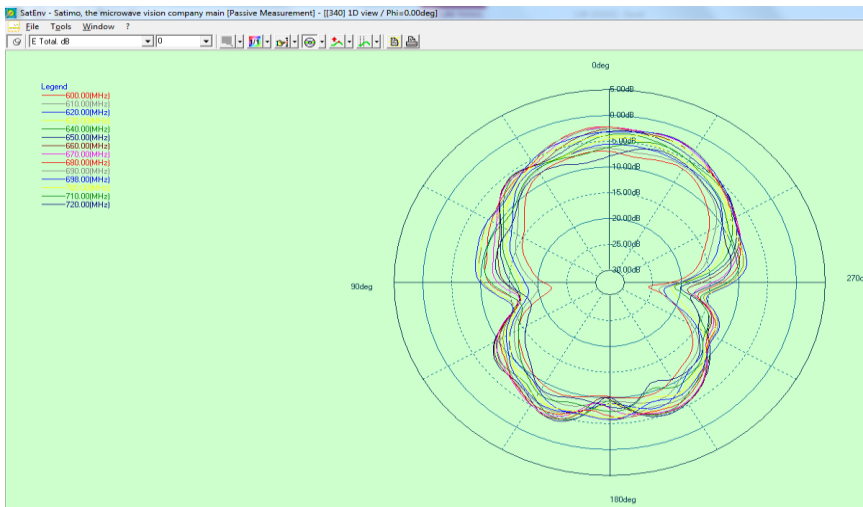
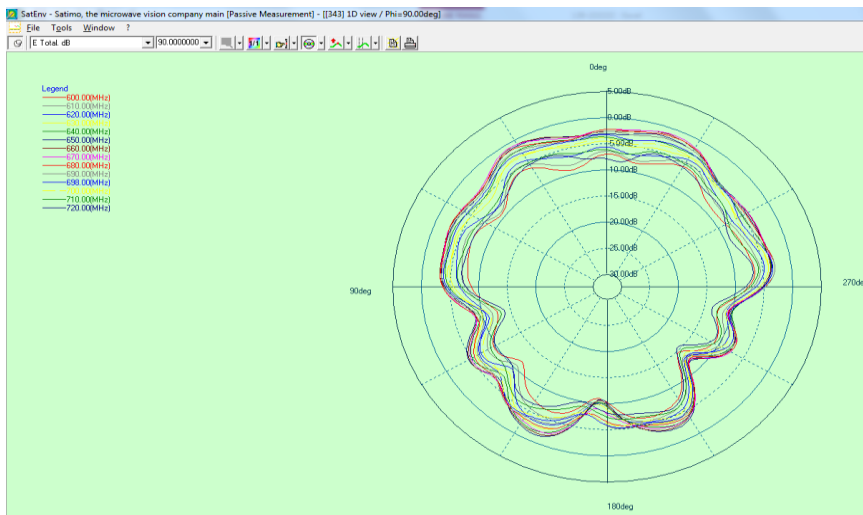
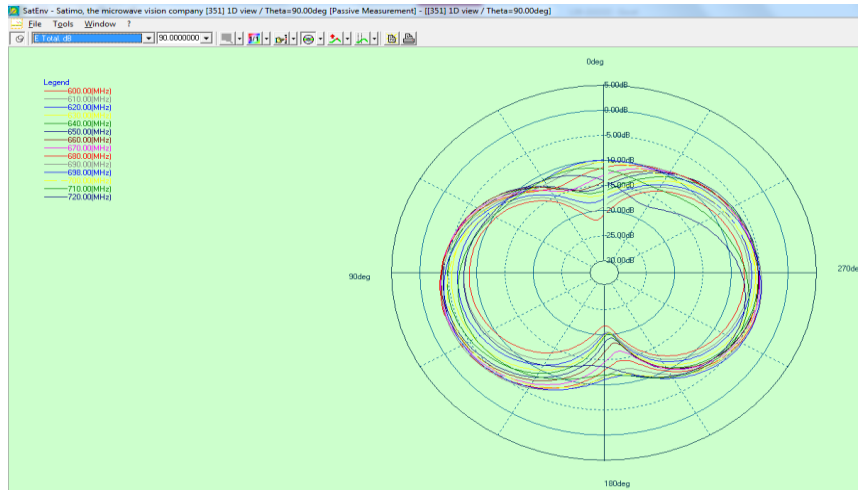
RF3



Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-001	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

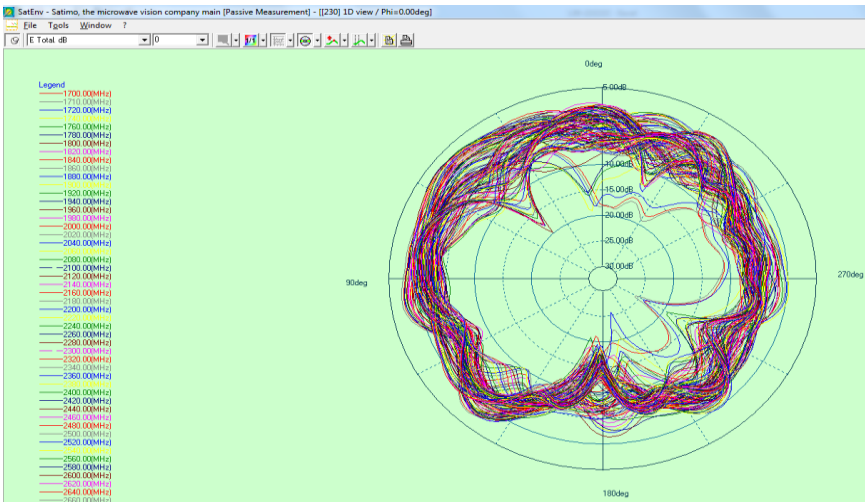
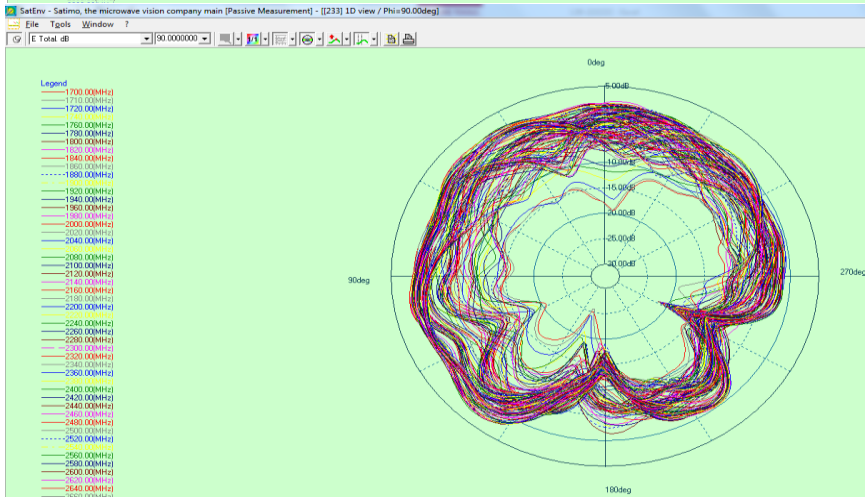
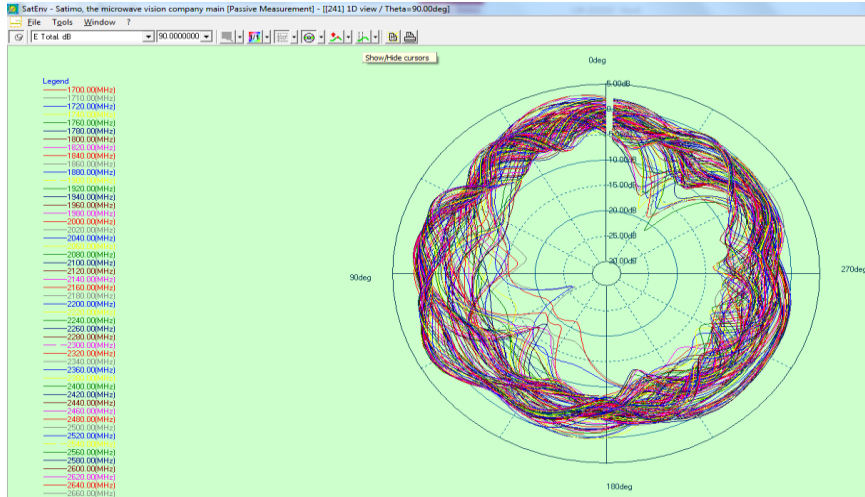
RF4



Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-001	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

mimo2((ANT3))



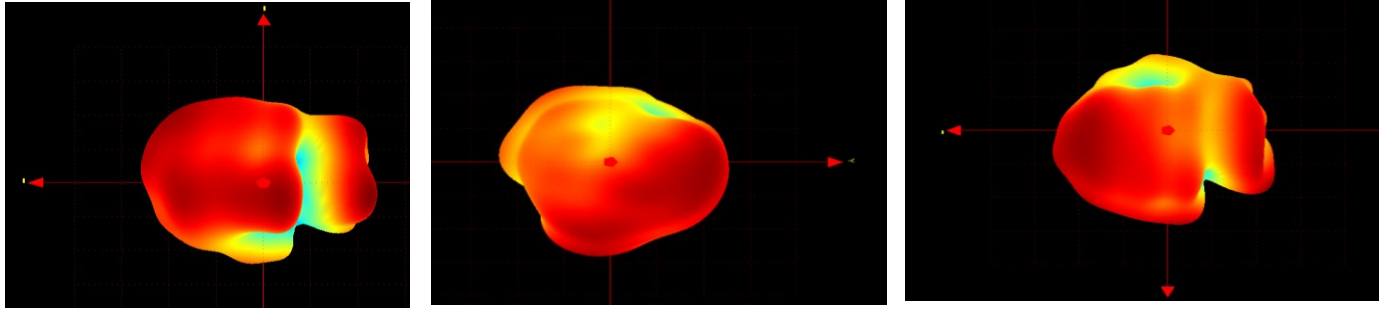
Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-001	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

ANT1

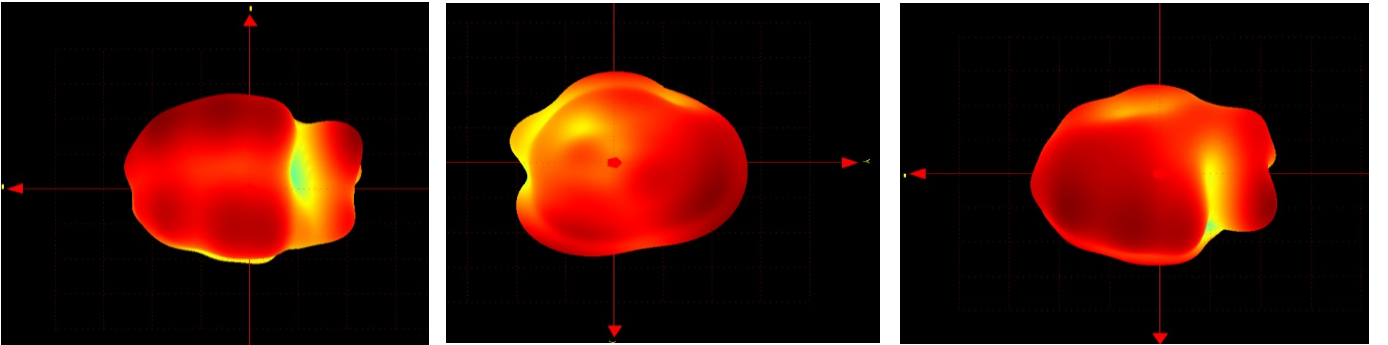
2040M

B1



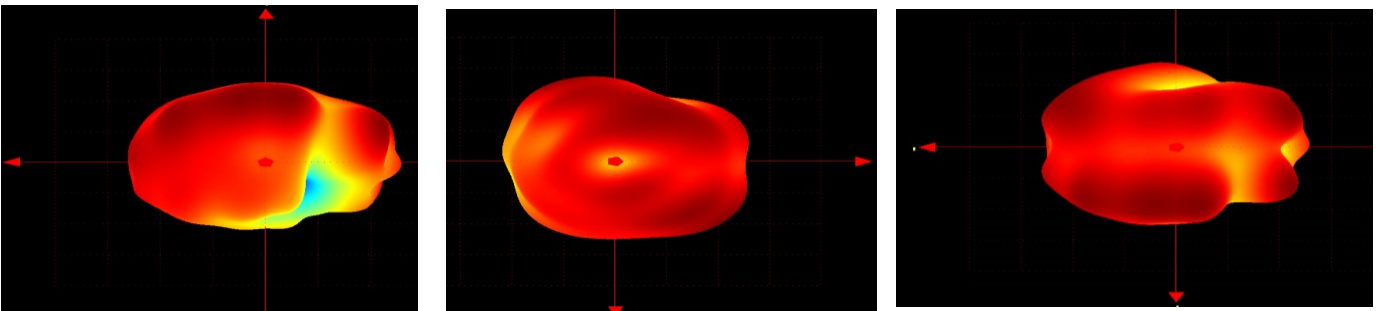
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B2 N2



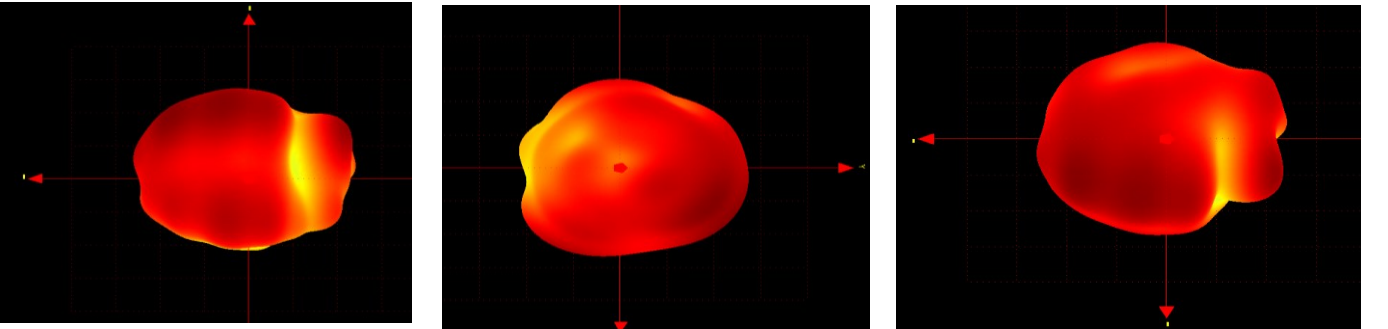
1800M

B3



1900M

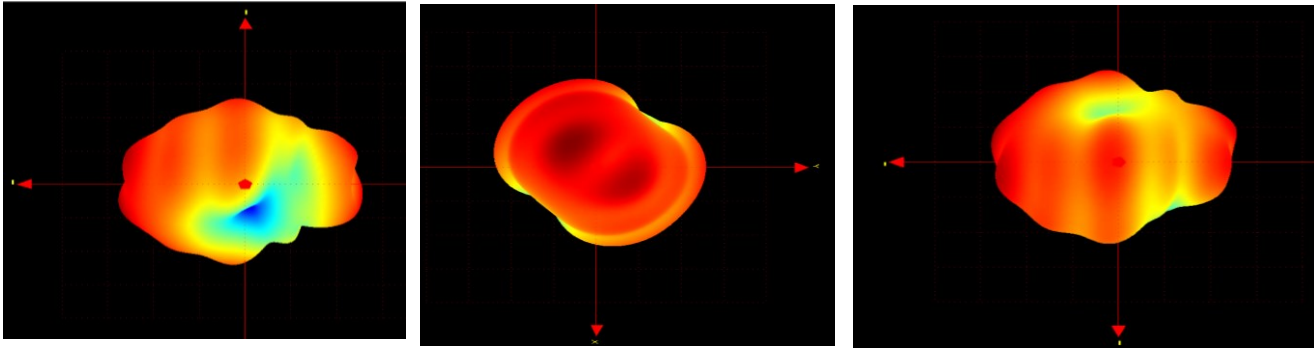
B4



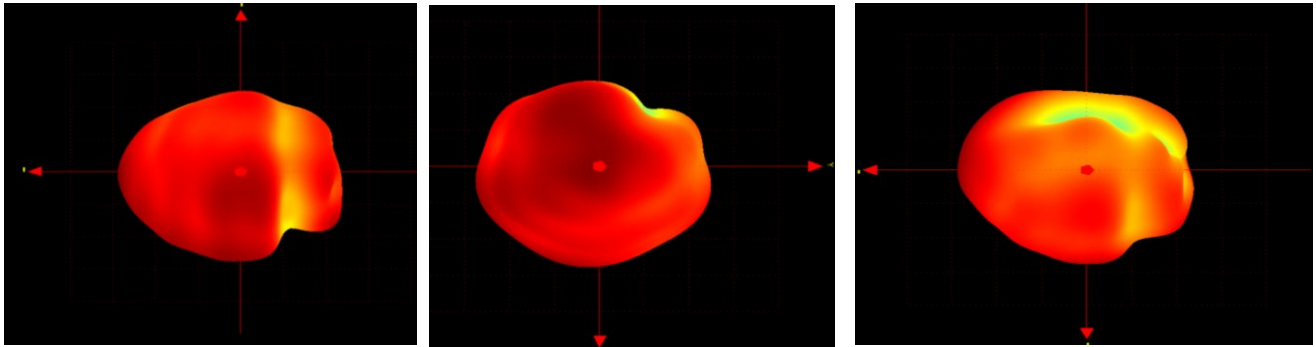
Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-001	Revised By	chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

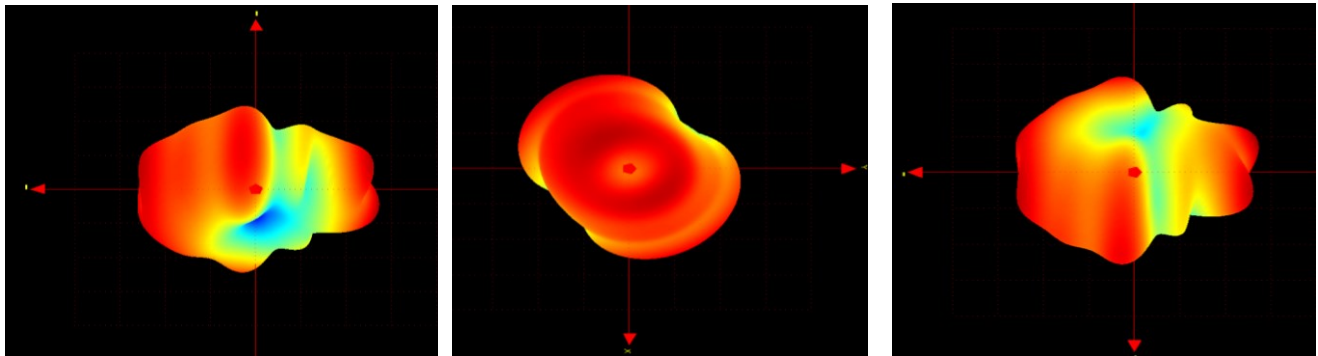
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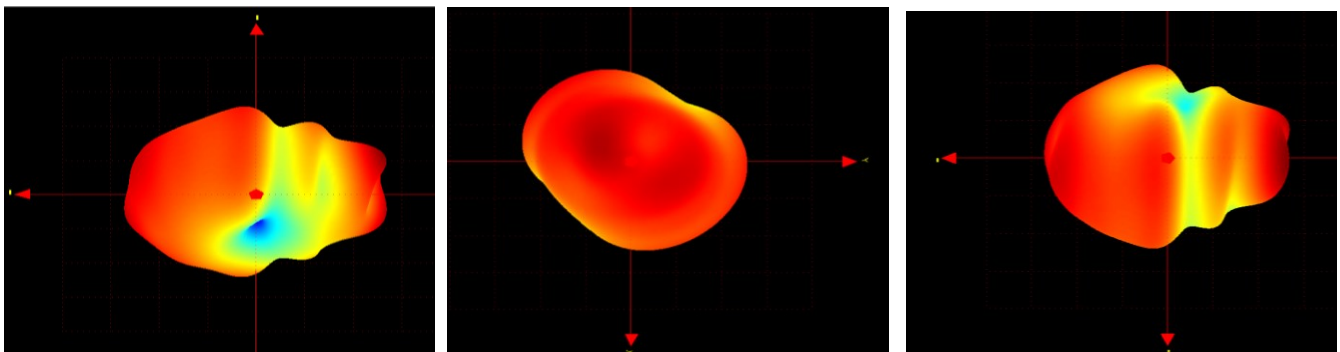
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720M B17 B12



660M N71 B71



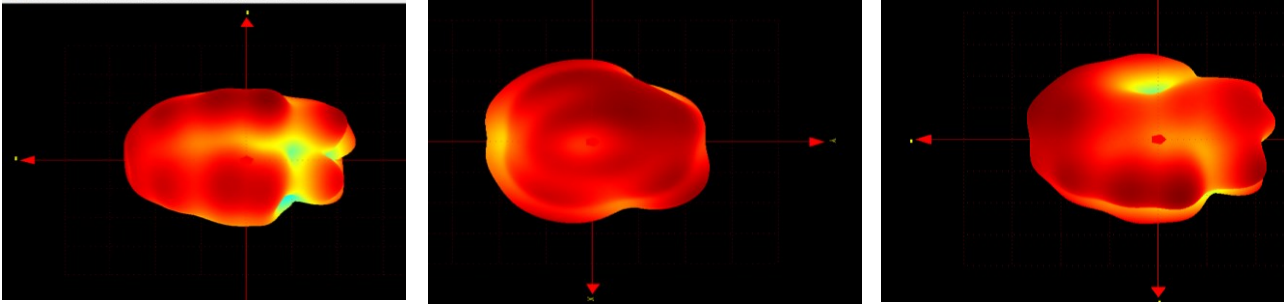
Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-001	Revised By	chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

ANT3

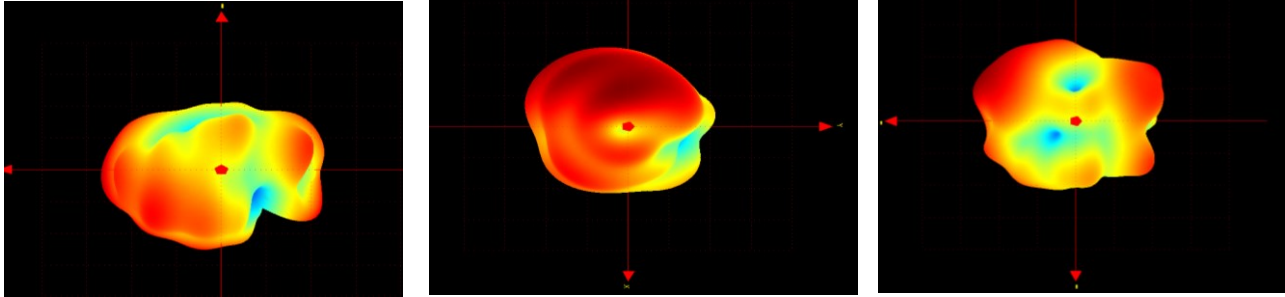
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B1



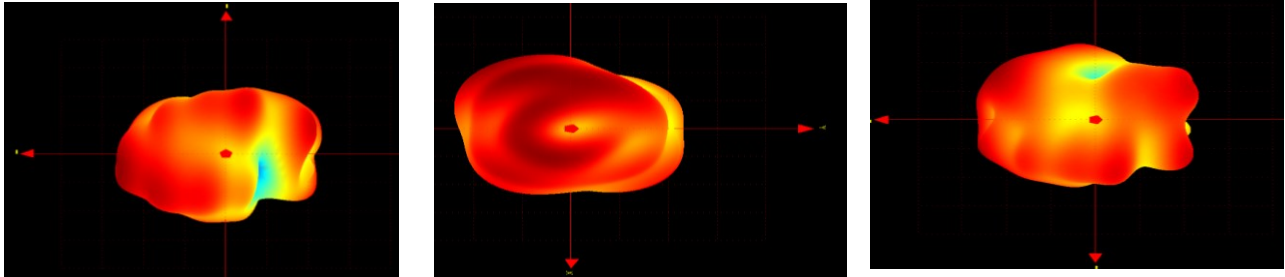
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B3



1900M

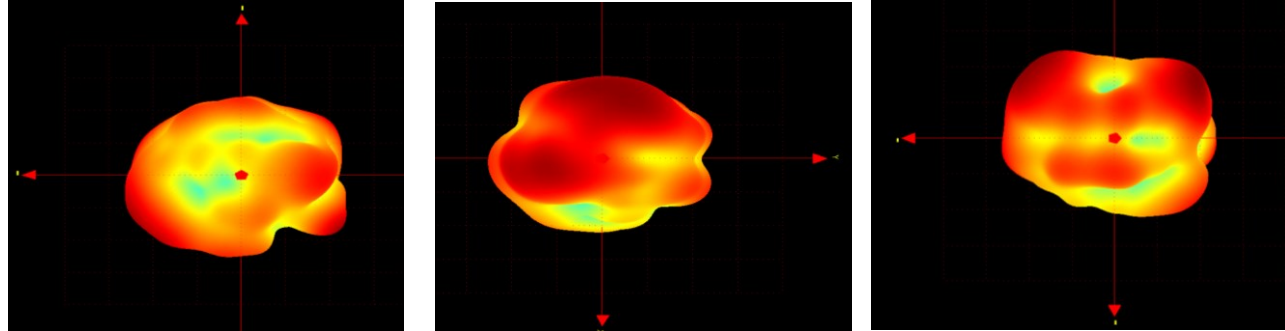
B4 B2 N2



2600M

B7 N7 B41 N41

B38 N38

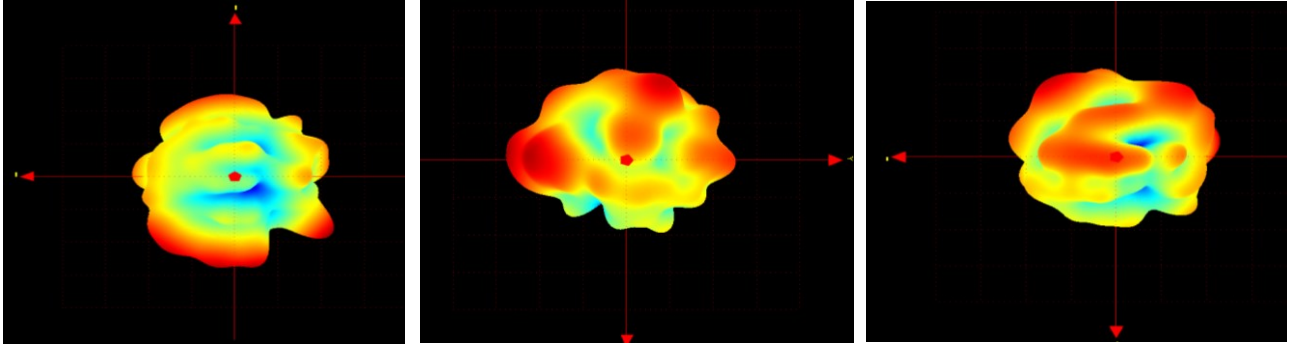


Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-001	Revised By	chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

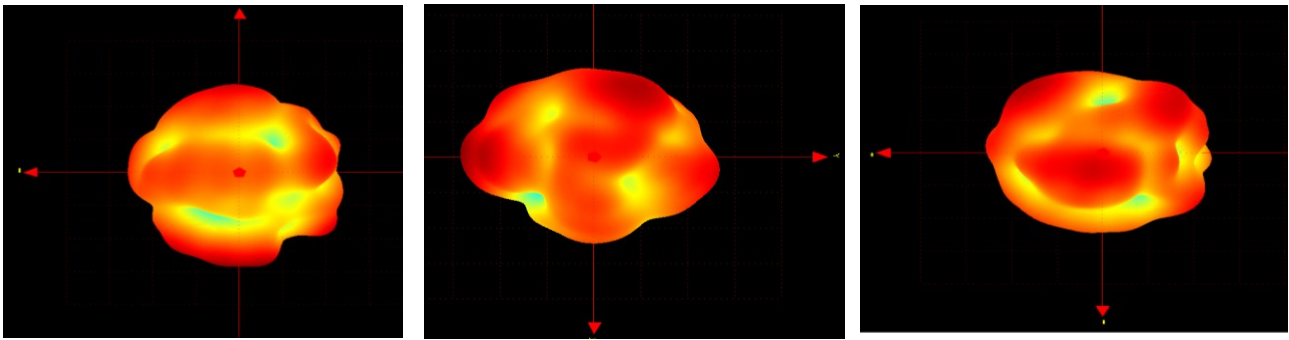
3750M

N77



3550M

N78



Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02.5418.337000-001	Revised By	chenzhengwei	Revised Date	#####
Description1	L30 Div_an(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

1(10M)	20.2		20.06		N2	19.43		18.67
	20.1		20.03			19.71	N77(100M)	18.87
	20.1	-98.26	20.1	-99.37		19.23	-98.1	18.63
2(10M)	20.1		19.27		N5	19.88		20.01
	20.2		19.38			19.4	N78(100M)	20.02
	20.1	-98.2	19.39	-94.44		19.2	-98.27	20.34
3(10M)	20.1		21.02		N7	19.31		20.79
	20.1		21.07			19.21	N41(100M)	21.21
	19.67	-98.6	20.92	-93.46		19.1	-97.26	20.81
4(10M)	20.01				N66	19.5		19.03
	20.2					19.73	N38(10M)	19.04
	20.1	-99				19.38	-99.62	19.01
5(10M)	20.06				N71	17.2		
	20.08					17.5		
	20.03	-97.5				18.2	-93.1	
7(10M)	20.1							
	20.2							
	20.1	-97.65						
12(10M)	19.19							
	19.44							Tis(54M)
	19.34	-96.38				1	15.77	-69.7
13(10M)	19.55				WIFI N 2.4G	6	16.85	-69.27
	19.57					11	16.61	-69.41
	19.42	-96.2				36	15.54	-78.24
17(10M)	18.47				WIFI A 5.8G	149	15.62	-78.48
	18.45					165	15.55	-78.26
	18.32	-95.79						
26(10M)	19.98							
	20.06							
	19.87	-96.68						