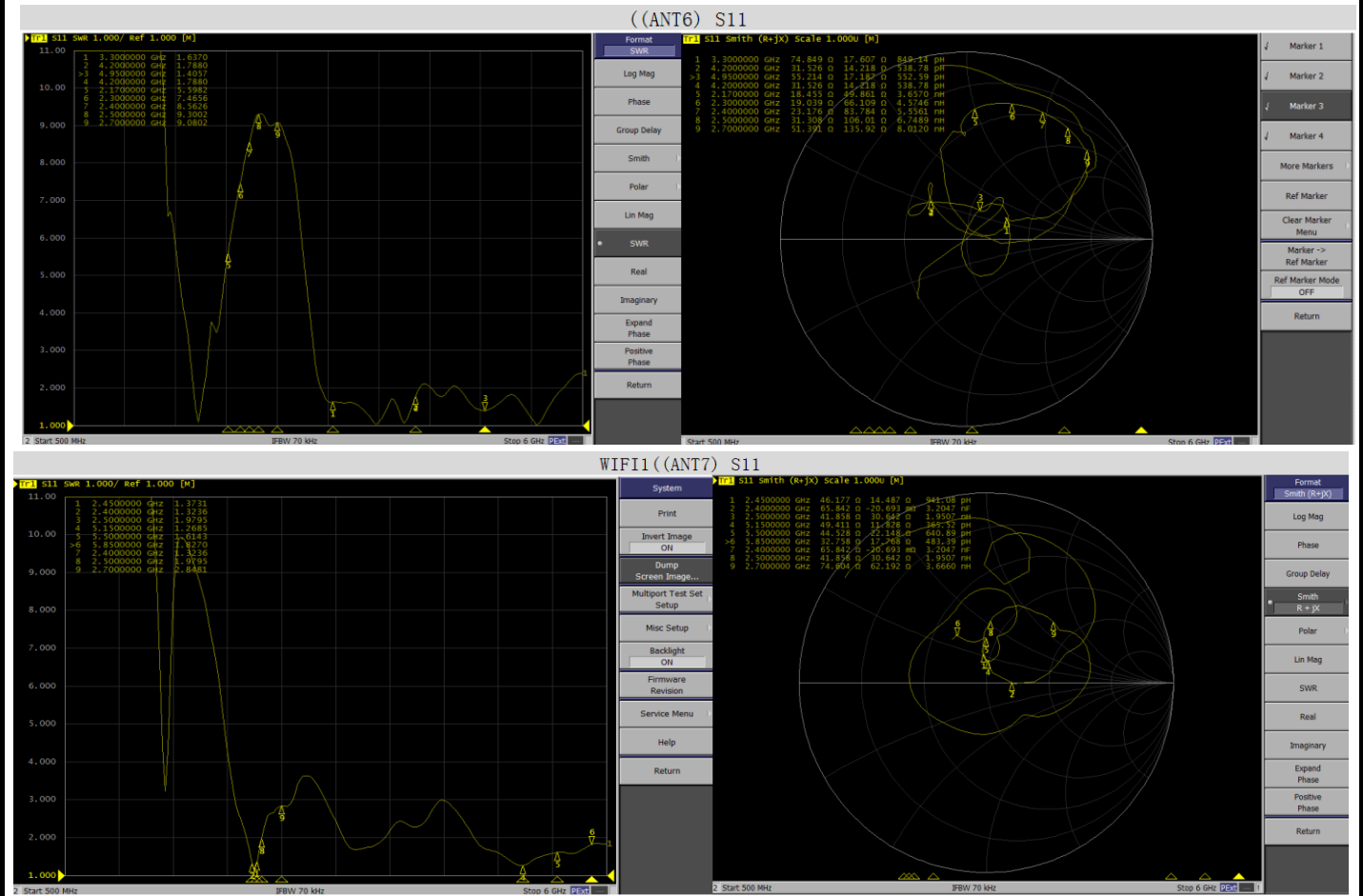


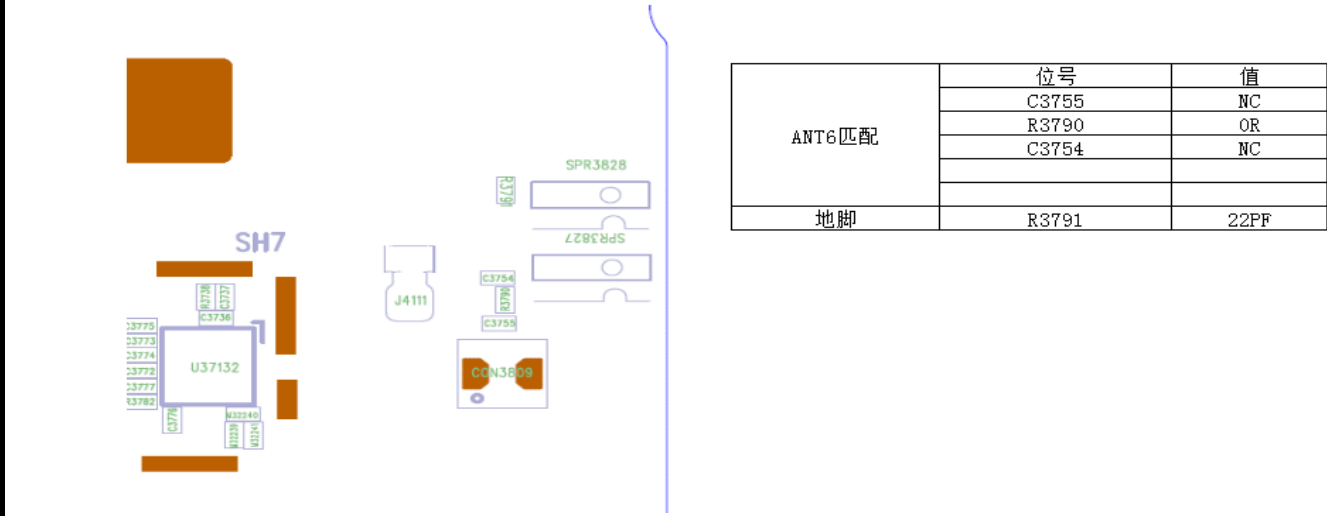
Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-201	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Wifi_1_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

1.VSWR&Smith Chart

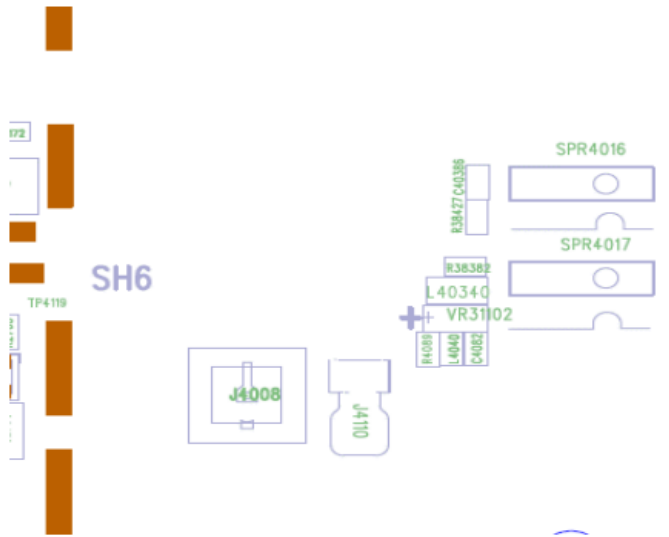


2.Matching circuit



Electrical performance test report

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ANT7匹配	位号	值
	L4040	4.3NH
	R4089	OR
	C4082	NC
地脚	C40386	22PF

3.No-source test data

ANT6 (N77/78/79)

Frequency	Efficiency	Efficiency .	Gain . dBi	Frequency	Efficiency	Efficiency .	Gain . dBi	Frequency	Efficiency	Efficiency .	Gain . dBi
3200000000	45%	-3.451695946	2.300921917	3820000000	58%	-2.384647682	4.125259399	4460000000	54%	-2.663267893	2.889760733
3220000000	47%	-3.302064825	2.288972616	3840000000	57%	-2.456403875	4.257125854	4480000000	56%	-2.510547856	2.670160532
3240000000	46%	-3.369229214	1.54536891	3860000000	57%	-2.440686309	4.379428387	4500000000	53%	-2.785266321	2.126364231
3260000000	47%	-3.310672547	1.44885993	3880000000	53%	-2.765612748	3.851317644	4520000000	53%	-2.75056192	2.025323391
3280000000	48%	-3.196692477	2.270941734	3900000000	51%	-2.944424136	3.752012968	4540000000	53%	-2.774233535	1.767020822
3300000000	46%	-3.366832058	2.497164726	3920000000	46%	-3.395686755	3.38041997	4560000000	52%	-2.867163424	1.604280353
3320000000	47%	-3.320832415	2.481864452	3940000000	45%	-3.477121895	2.954462051	4580000000	51%	-2.893669334	1.441270113
3340000000	48%	-3.220955237	2.54308939	3960000000	44%	-3.538410394	2.987202168	4600000000	50%	-3.040329054	1.193300128
3360000000	48%	-3.22447658	2.51670599	3980000000	46%	-3.385377304	3.120069027	4620000000	50%	-3.048930224	1.565907121
3380000000	48%	-3.217555711	2.608002424	4000000000	50%	-3.012130679	3.592219353	4640000000	46%	-3.380819136	1.115538001
3400000000	47%	-3.257241289	2.554602861	4020000000	51%	-2.914274583	3.67232585	4660000000	48%	-3.167427792	1.507114649
3420000000	49%	-3.118266346	2.781432629	4040000000	54%	-2.691283619	3.72471118	4680000000	48%	-3.196584333	1.619199753
3440000000	49%	-3.107286515	2.583712101	4060000000	54%	-2.657594122	3.872910976	4700000000	47%	-3.317254815	1.646717668
3460000000	50%	-3.018056519	2.640986204	4080000000	57%	-2.474739146	4.015855312	4720000000	48%	-3.183777839	2.109977722
3480000000	50%	-2.982377778	2.398231745	4100000000	57%	-2.476698318	3.963894367	4740000000	47%	-3.246148072	2.333722591
3500000000	52%	-2.815293297	2.349579811	4120000000	57%	-2.479336197	3.826648712	4760000000	47%	-3.307180331	2.627803326
3520000000	53%	-2.769752297	2.504215956	4140000000	57%	-2.436909775	4.056483746	4780000000	48%	-3.193568085	2.849727869
3540000000	55%	-2.602149401	2.913329363	4160000000	57%	-2.439192054	4.028072357	4800000000	51%	-2.944138716	3.194576502
3560000000	55%	-2.57857072	2.8796947	4180000000	58%	-2.398018133	3.683345556	4820000000	50%	-3.006743552	3.111059189
3580000000	56%	-2.538579759	2.873357058	4200000000	58%	-2.348497328	4.101595879	4840000000	52%	-2.802756008	3.461233377
3600000000	55%	-2.591782595	3.185428381	4220000000	57%	-2.405165854	4.290027142	4860000000	54%	-2.65912639	3.741758108
3620000000	56%	-2.52105577	3.336226463	4240000000	58%	-2.348365615	4.212197304	4880000000	53%	-2.734779086	3.857180834
3640000000	58%	-2.377430896	3.581317902	4260000000	56%	-2.500234168	3.806690454	4900000000	55%	-2.558483589	4.148055077
3660000000	56%	-2.482249969	3.687261581	4280000000	56%	-2.546065313	4.019867897	4920000000	56%	-2.495822442	4.38844347
3680000000	58%	-2.37686592	3.807962179	4300000000	55%	-2.597394661	3.953957796	4940000000	58%	-2.396980949	4.592318535
3700000000	59%	-2.267585721	4.000448227	4320000000	56%	-2.552132848	3.894379377	4960000000	55%	-2.588331503	4.294724941
3720000000	60%	-2.251430505	4.072564602	4340000000	54%	-2.650331532	3.766355276	4980000000	58%	-2.366076413	4.441904068
3740000000	57%	-2.429730589	4.036993027	4360000000	55%	-2.60630416	3.799409389	5000000000	56%	-2.505233249	4.317564964
3760000000	59%	-2.326434311	4.195123196	4380000000	55%	-2.618098464	3.815741301				
3780000000	59%	-2.318619597	4.2914114	4400000000	54%	-2.692090001	3.546350241				
3800000000	57%	-2.404997185	4.206141472	4420000000	55%	-2.576481525	3.359378576				
				4440000000	57%	-2.453869421	3.13290596				

Electrical performance test report

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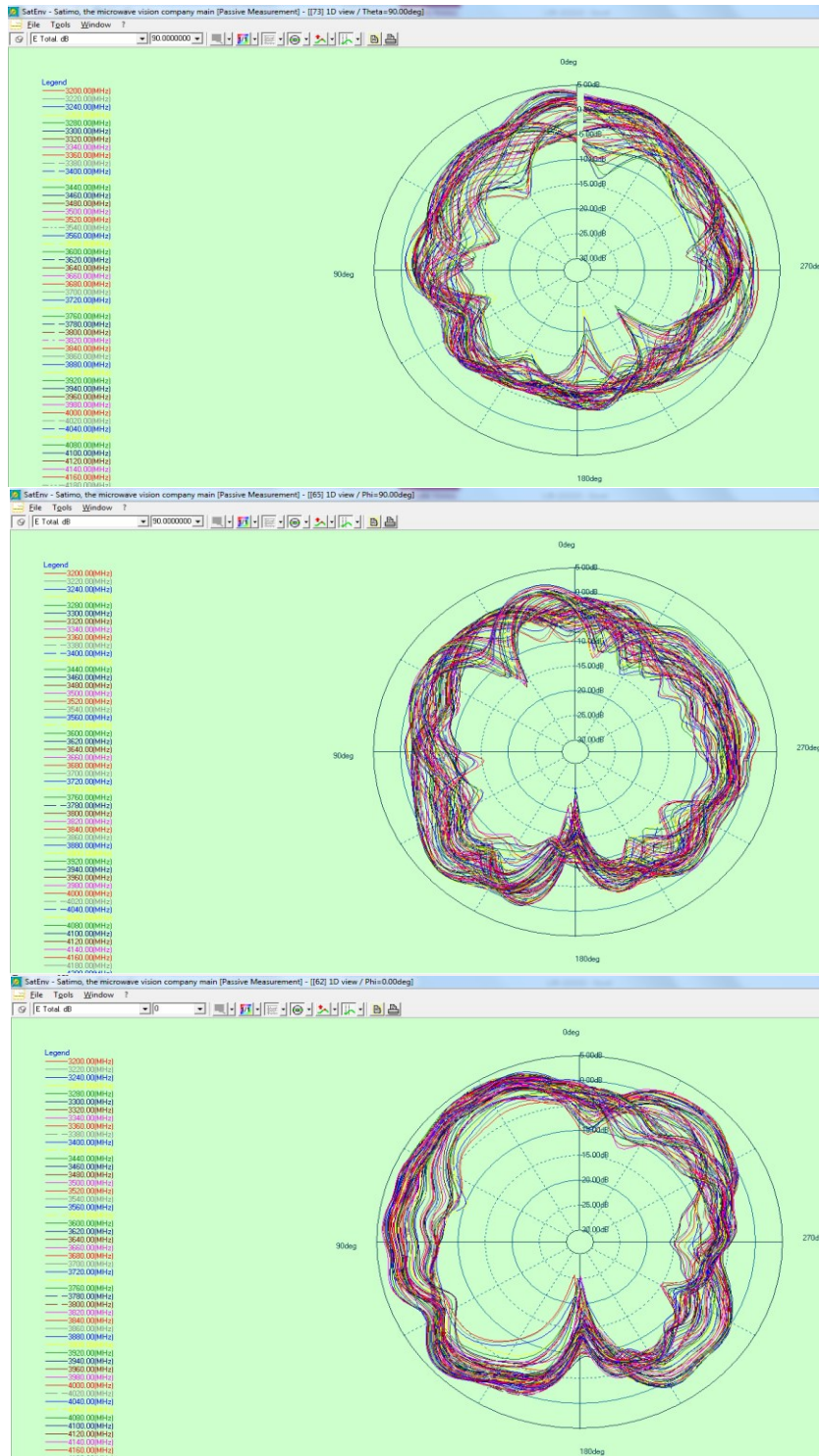
ant 7 wifi 2.4G&5G

ant7		
Frequency	Efficiency . dB	gain
2400000000	-3.36	2.33
2410000000	-3.44	1.77
2420000000	-3.04	1.97
2430000000	-2.77	2.42
2440000000	-2.56	2.70
2450000000	-2.58	2.75
2460000000	-2.76	2.79
2470000000	-2.98	2.70
2480000000	-2.94	2.58
2490000000	-3.11	2.36
2500000000	-2.98	2.15
5150000000	-2.68	2.06
5200000000	-2.84	1.56
5250000000	-2.99	1.53
5300000000	-2.96	1.96
5350000000	-3.11	1.74
5400000000	-3.23	1.79
5450000000	-2.96	1.96
5500000000	-3.39	2.83
5550000000	-3.36	2.89
5600000000	-3.20	3.20
5650000000	-3.56	2.79
5700000000	-4.03	2.47
5750000000	-3.50	2.93
5800000000	-3.62	2.94
5850000000	-3.96	2.60

Electrical performance test report

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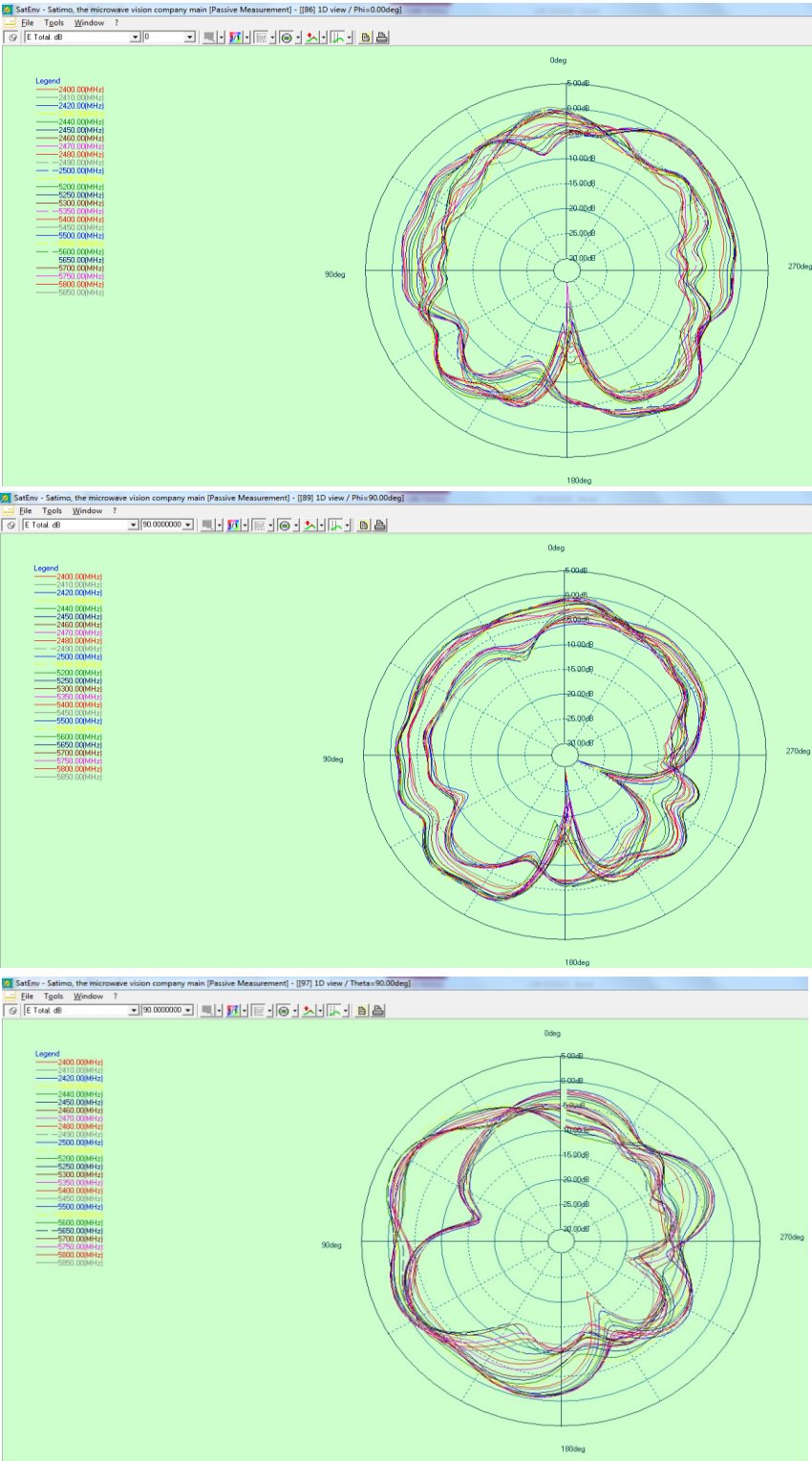
5. Directional drawing of horizontal plane of ANT6



Electrical performance test report

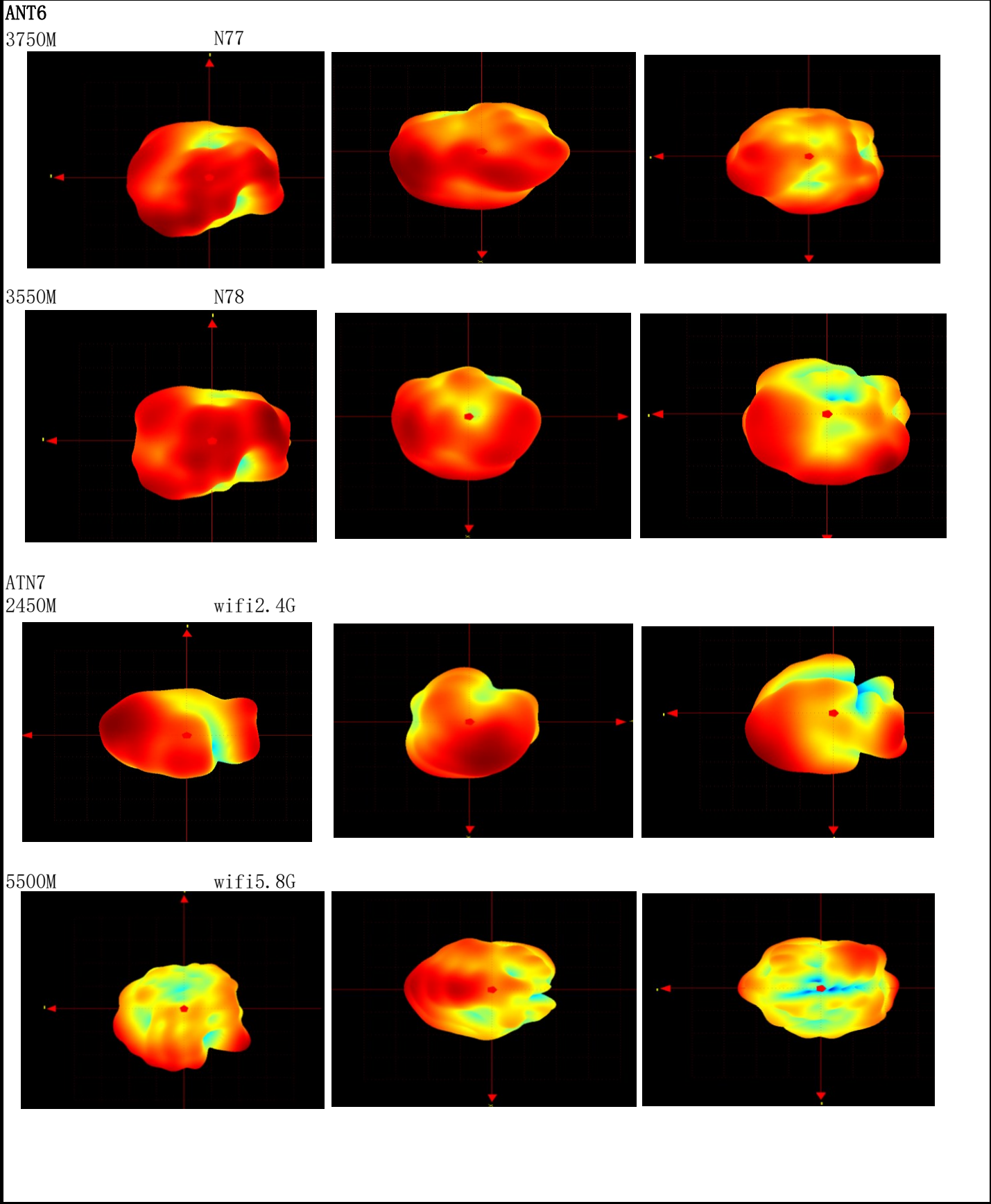
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Part Number	02. 5418. 337000-201	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Wifi_1_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

ANT7



Electrical performance test report

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Description1	L30 Wifi_1_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####



Electrical performance test report

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1(10M)	20.2		66(10M)	20.06		N2	19.43		N77(100M)	18.67	
	20.1			20.03			19.71			18.87	
	20.1	-98.26		20.1	-99.37		19.23	-98.1		18.63	-90.12
2(10M)	20.1		38(10M)	19.27		N5	19.88		N78(100M)	20.01	
	20.2			19.38			19.4			20.02	
	20.1	-98.2		19.39	-94.44		19.2	-98.27		20.34	-92.23
3(10M)	20.1		41(10M)	21.02		N7	19.31		N41(100M)	20.79	
	20.1			21.07			19.21			21.21	
	19.67	-98.6		20.92	-93.46		19.1	-97.26		20.81	-89.1
4(10M)	20.01					N66	19.5		N38(10M)	19.03	
	20.2						19.73			19.04	
	20.1	-99					19.38	-99.62		19.01	-94.87
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										
	19.34	-96.38									
13(10M)	19.55					WIFI N 2.4G					
	19.57										
	19.42	-96.2									
17(10M)	18.47					WIFI A 5.8G					
	18.45										
	18.32	-95.79									
26(10M)	19.98										
	20.06										
	19.87	-96.68									