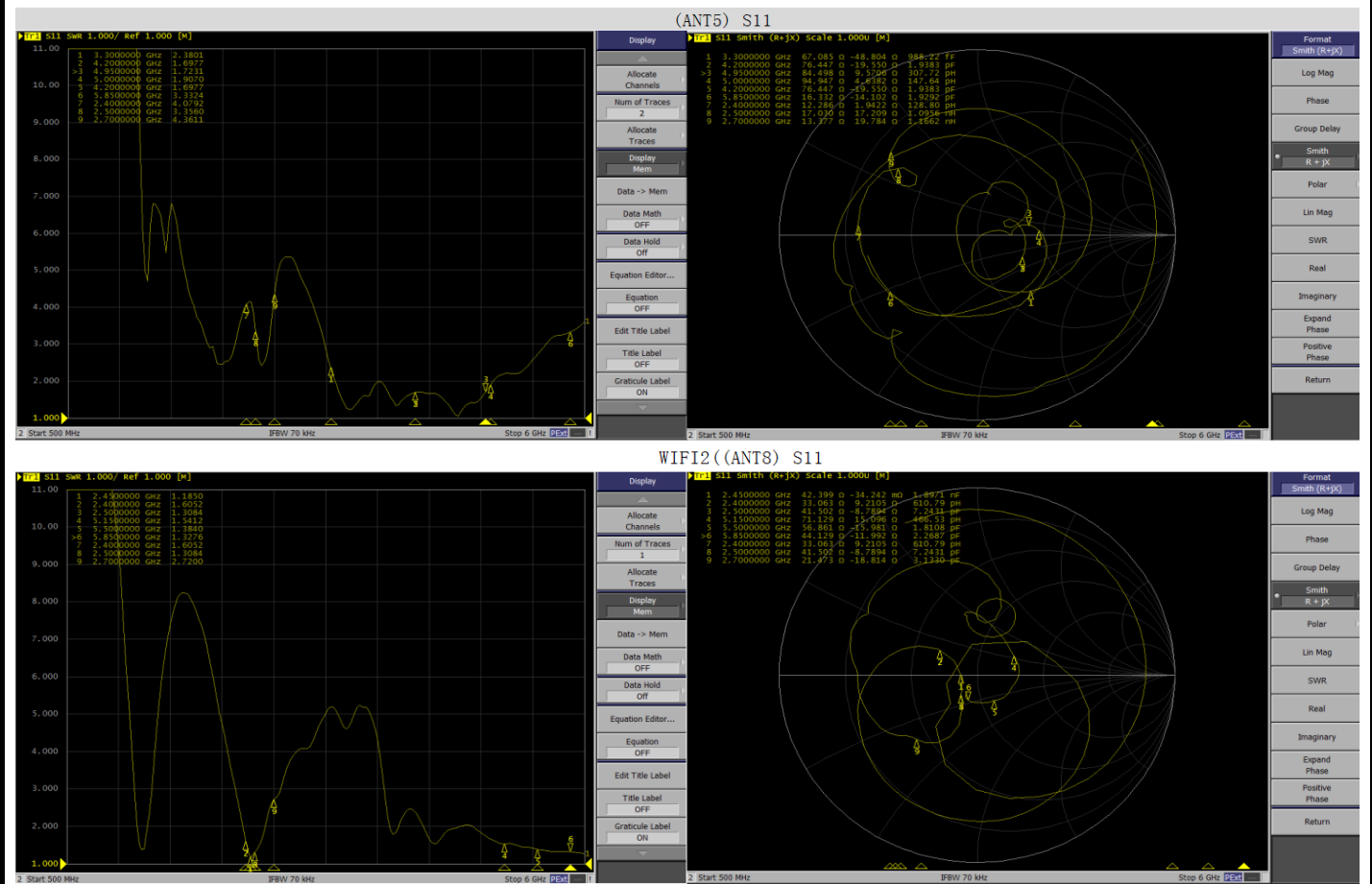


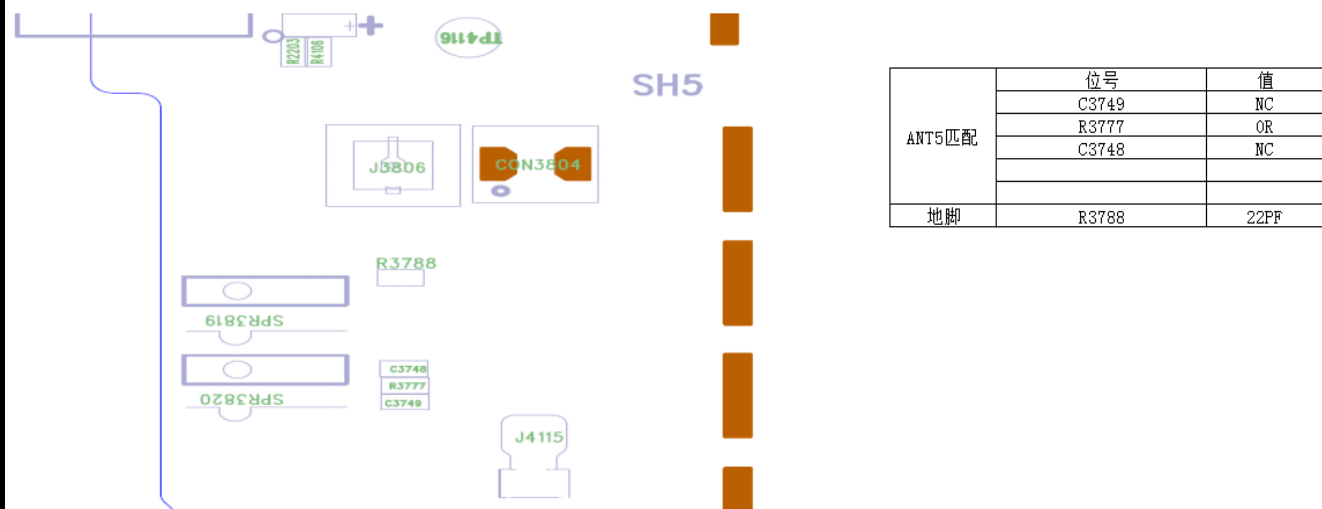
Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-301	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Wifi_2_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

1.VSWR&Smith Chart

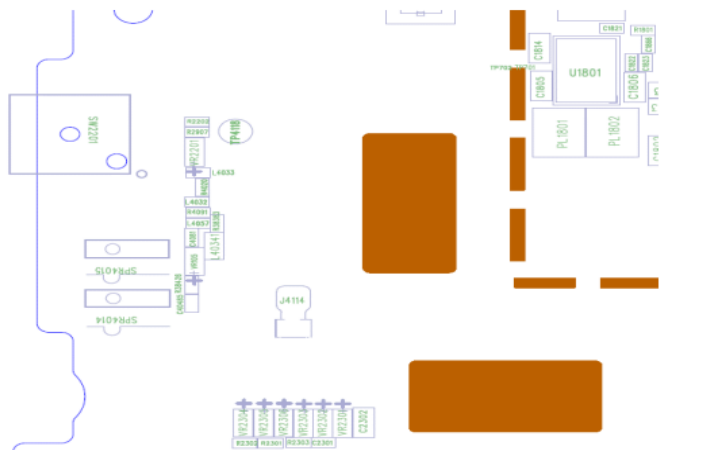


2.Matching circuit



Electrical performance test report

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ANT8匹配	位号	值
	L4057	NC
	R4091	1. 5NH
	L4032	0. 5PF
	R4020	OR
地脚	L4033	NC
	C40485	22PF

3.No-source test data

ANT 5(N77/78/79)											
Frequency	Efficiency	Efficiency .	Gain . dBi	Frequency	Efficiency	Efficiency .	Gain . dBi	Frequency	Efficiency	Efficiency .	Gain . dBi
3300000000	41%	-3. 865333371	1. 317705154	4040000000	53%	-2. 778977979	2. 625771284	4720000000	55%	-2. 589603721	2. 566152811
3320000000	44%	-3. 538814434	1. 652530909	4060000000	51%	-2. 933375265	2. 319480658	4740000000	56%	-2. 549042194	2. 984623432
3340000000	48%	-3. 191783356	1. 861787796	4080000000	53%	-2. 725951207	2. 15433073	4760000000	56%	-2. 492102046	3. 136875153
3360000000	49%	-3. 054565041	1. 756615877	4100000000	53%	-2. 745142708	1. 663897753	4780000000	57%	-2. 465912045	3. 098969698
3380000000	52%	-2. 880471903	1. 949830532	4120000000	53%	-2. 761157087	1. 775704026	4800000000	59%	-2. 310880346	3. 068284512
3400000000	54%	-2. 663861101	1. 955714583	4140000000	53%	-2. 762515641	1. 908788204	4820000000	58%	-2. 342838877	3. 067325354
3420000000	57%	-2. 459638125	2. 307944536	4160000000	53%	-2. 797612388	2. 208052874	4840000000	60%	-2. 241400963	2. 838274479
3440000000	54%	-2. 709961468	2. 139258146	4180000000	54%	-2. 651570834	2. 587567329	4860000000	60%	-2. 219741745	2. 833723068
3460000000	57%	-2. 446561138	2. 555615187	4200000000	54%	-2. 704615471	2. 535289288	4880000000	59%	-2. 265625993	2. 73172617
3480000000	57%	-2. 412679878	2. 744355917	4220000000	55%	-2. 624682973	2. 640994072	4900000000	59%	-2. 278798351	2. 73820734
3500000000	57%	-2. 434695793	3. 177300215	4240000000	56%	-2. 480242395	3. 032084942	4920000000	58%	-2. 355846401	3. 060347795
3520000000	57%	-2. 44195093	3. 297676563	4260000000	55%	-2. 600359663	2. 928634167	4940000000	58%	-2. 350599452	3. 198851824
3540000000	58%	-2. 371979131	3. 138394356	4280000000	55%	-2. 596098131	2. 832444429	4960000000	55%	-2. 630472784	3. 125191212
3560000000	58%	-2. 383857901	2. 895754814	4300000000	55%	-2. 606243797	2. 818306923	4980000000	55%	-2. 623702282	3. 012823105
3580000000	58%	-2. 377612356	2. 918451786	4320000000	55%	-2. 562067986	2. 431753635	5000000000	52%	-2. 860426265	3. 059530735
3600000000	56%	-2. 483610517	3. 012005329	4340000000	54%	-2. 6707394	2. 342875719				
3620000000	56%	-2. 493728277	2. 85041213	4360000000	56%	-2. 546779819	2. 176662922				
3640000000	55%	-2. 582043885	2. 209459305	4380000000	55%	-2. 589146301	1. 82549727				
3660000000	53%	-2. 730963623	2. 002251148	4400000000	57%	-2. 45276365	1. 732019901				
3680000000	53%	-2. 792618821	2. 367101431	4420000000	56%	-2. 504167583	1. 970661402				
3700000000	50%	-2. 998041862	2. 509325027	4440000000	56%	-2. 492104323	2. 293134212				
3720000000	51%	-2. 936179758	2. 462977409	4460000000	56%	-2. 489646523	2. 425736189				
3740000000	51%	-2. 89877245	2. 437579632	4480000000	58%	-2. 378171106	2. 734830379				
3760000000	53%	-2. 752893693	2. 726967573	4500000000	56%	-2. 515242369	2. 529218197				
3780000000	52%	-2. 879285245	2. 874924183	4520000000	58%	-2. 383513679	2. 689778328				
3800000000	52%	-2. 8286033	3. 257441521	4540000000	58%	-2. 357988781	2. 523377657				
3820000000	53%	-2. 78666989	3. 858195782	4560000000	57%	-2. 440637705	2. 767101288				
3840000000	51%	-2. 938664373	3. 819187403	4580000000	57%	-2. 453574	3. 089856863				
3860000000	52%	-2. 824693319	4. 098231792	4600000000	57%	-2. 437796414	3. 225898981				
3880000000	50%	-3. 046314489	3. 767687798	4620000000	59%	-2. 326726293	3. 278944969				
3900000000	49%	-3. 130003192	3. 546718836	4640000000	56%	-2. 542295883	3. 482235909				
3920000000	46%	-3. 379061811	3. 276134253	4660000000	57%	-2. 479137134	2. 930408955				
3940000000	48%	-3. 201803157	3. 335647583	4680000000	56%	-2. 487288802	2. 546435595				
3960000000	48%	-3. 206868843	2. 987693071	4700000000	55%	-2. 583000985	2. 136003256				
3980000000	49%	-3. 134212651	2. 668305159								
4000000000	52%	-2. 865253024	2. 581092596								
4020000000	51%	-2. 964793886	2. 476747036								

Electrical performance test report

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Description1	L30 Wifi_2_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

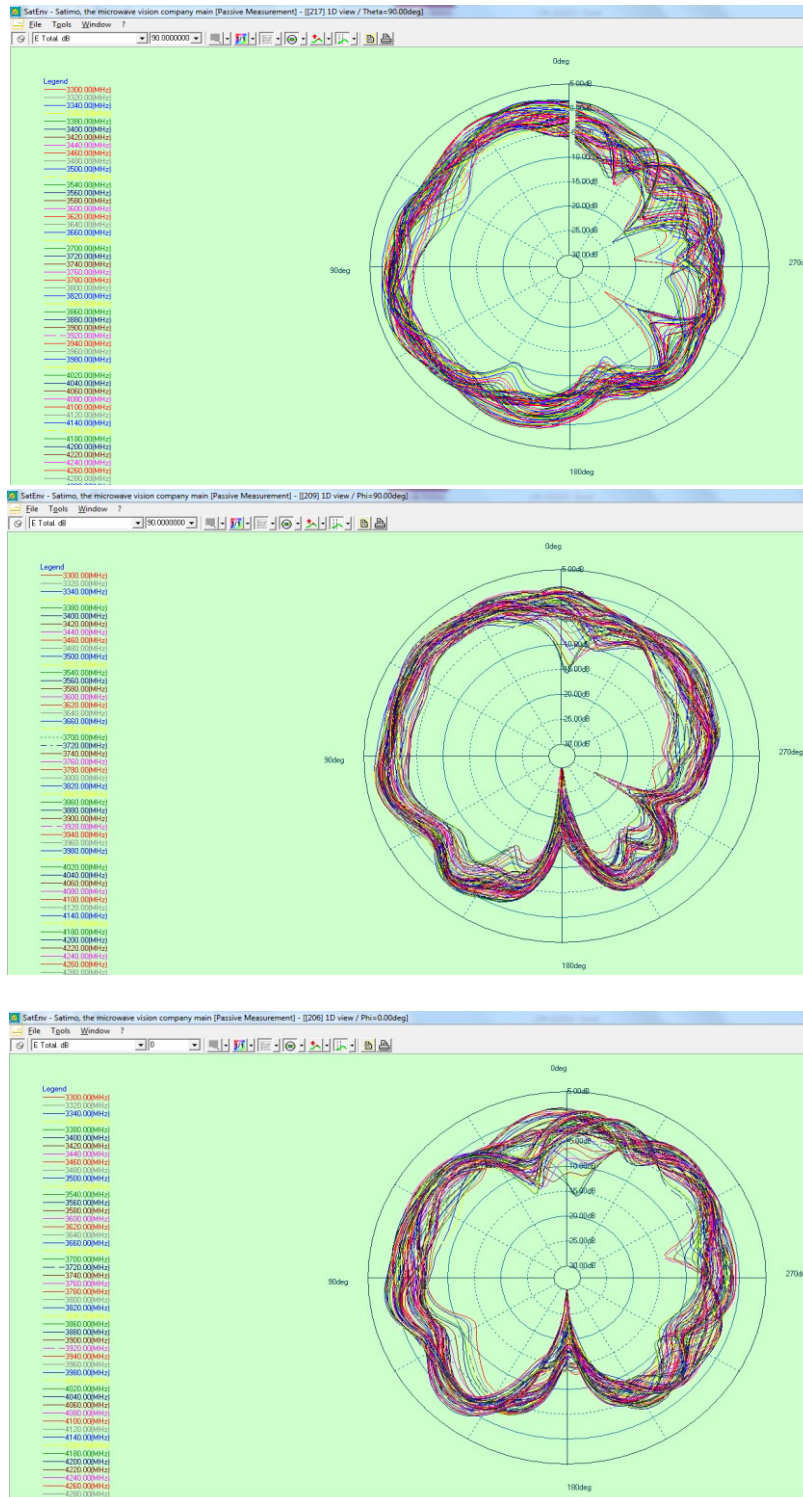
ant 8 wifi2.4G&5G

ant 8		
Frequency	Efficiency . dB	gain
2400000000	-2.61	2.33
2410000000	-2.92	1.67
2420000000	-2.88	1.64
2430000000	-2.86	1.97
2440000000	-2.77	2.28
2450000000	-2.99	2.10
2460000000	-3.19	1.69
2470000000	-3.93	0.52
2480000000	-3.92	0.65
2490000000	-4.10	0.86
2500000000	-4.05	1.02
5150000000	-3.12	3.28
5200000000	-3.49	3.44
5250000000	-3.73	2.90
5300000000	-3.34	2.80
5350000000	-3.33	2.91
5400000000	-3.56	2.88
5450000000	-3.26	3.41
5500000000	-3.58	3.35
5550000000	-3.45	3.57
5600000000	-3.29	3.03
5650000000	-3.69	3.07
5700000000	-4.13	3.57
5750000000	-3.45	3.89
5800000000	-3.39	3.35
5850000000	-3.54	3.56

Electrical performance test report

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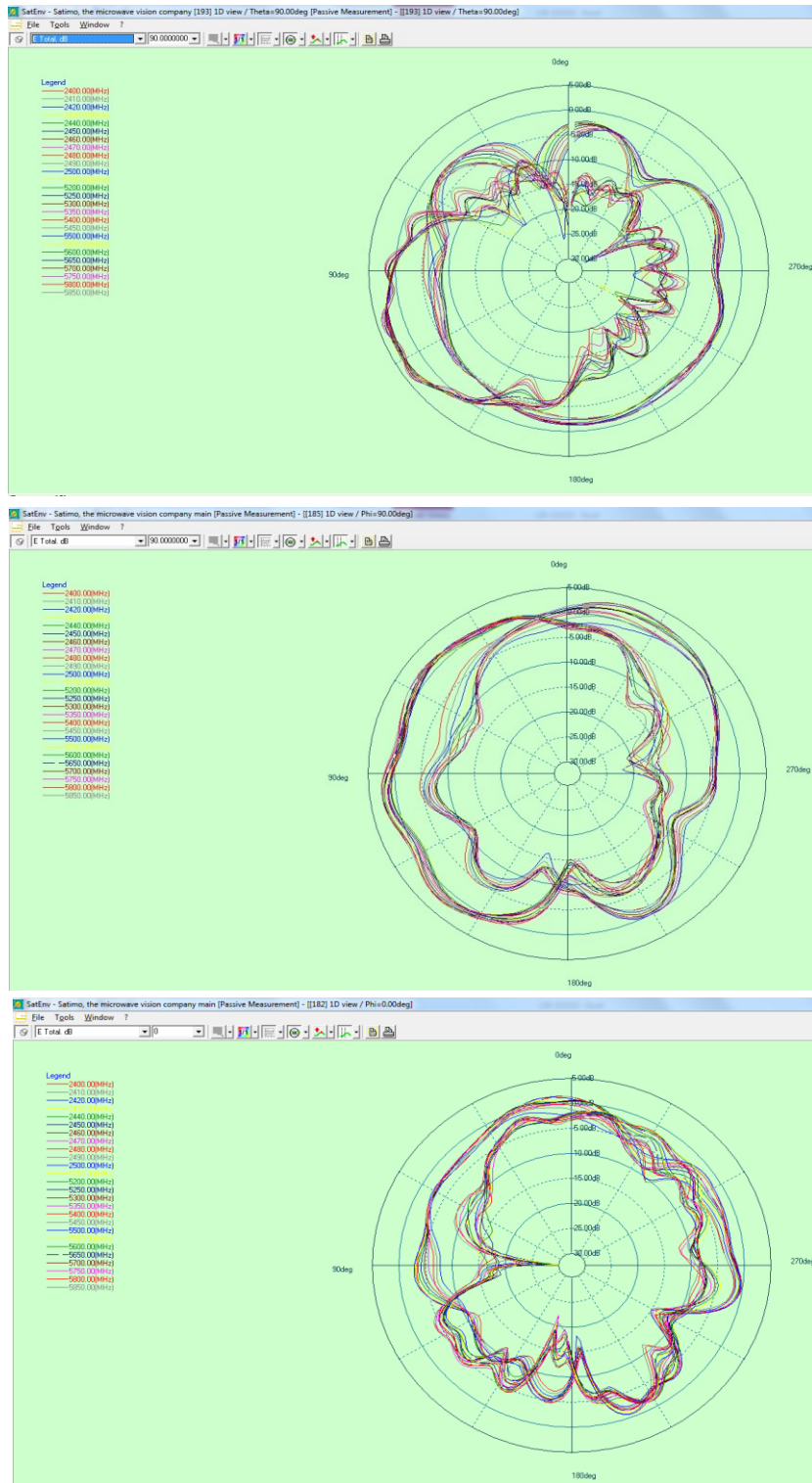
5. Directional drawing of horizontal plane of ANT5



Electrical performance test report

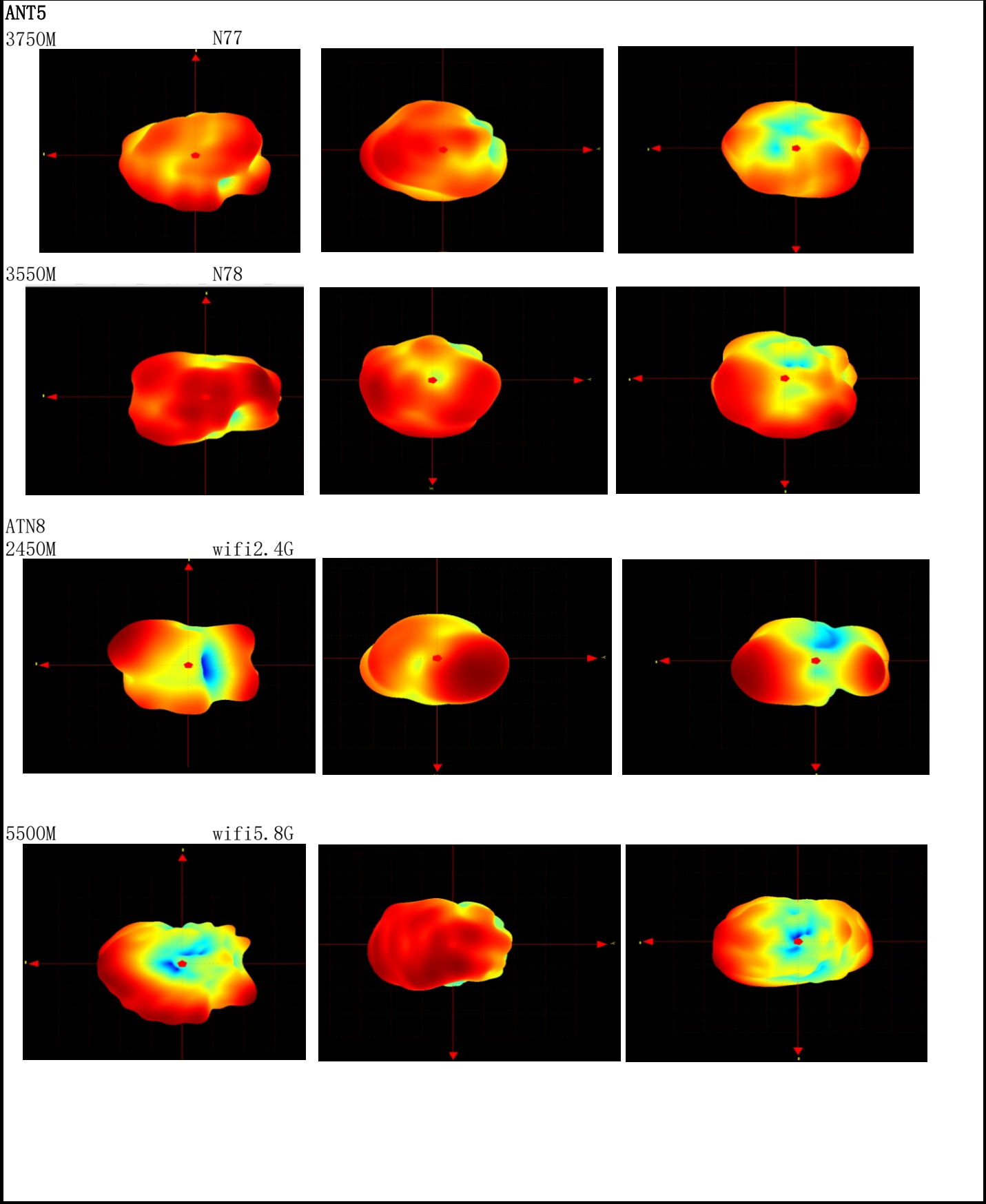
Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-301	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Wifi_2_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

ANT8



Electrical performance test report

Customer	zhong nuo	Written By	Luomin	Orig. Date	#####
Part Number	02. 5418. 337000-301	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Wifi_2_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####



Electrical performance test report

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Part Number	02. 5418. 337000-301	Revised By	Chenzhengwei	Revised Date	#####
Description1	L30 Wifi_2_ant(bracket assembly)	Approved By	Jiangzefeng	Approved Date	#####

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						1	15.77	-69.7		
	19.42	-96.2					6	16.85	-69.27		
17(10M)	18.47					WIFI A 5.8G	11	16.61	-69.41		
	18.45						36	15.54	-78.24		
	18.32	-95.79					149	15.62	-78.48		
26(10M)	19.98						165	15.55	-78.26		
	20.06										
	19.87	-96.68									