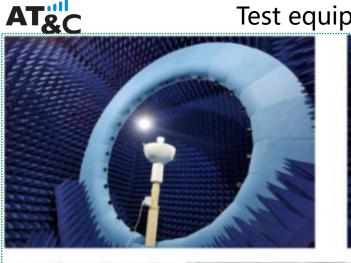
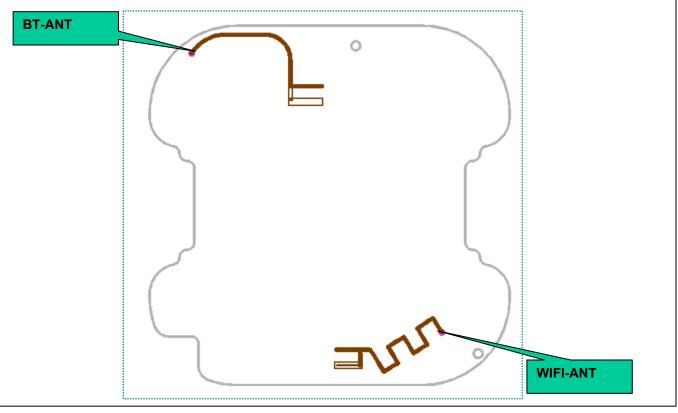
AT&C	APPROVAL No.	ATCSZ-5-170807-001	ISSUE	1
规	格 -	戌		
SPECIFICA	TION FOR A	APPROVAL		
物料描述				
DESCRIBE: Anter 客户料号	nna For Anl	ker T8L00		
<u>Customer NO:</u> 物料编码				
<u>PART NO:</u> AT 天线类型	<u>C0821 HY0</u>	11B05RA		
<u>Antenna type:   W</u> 日期	IFI/BT Ante	enna		
DATE :	2023. 08. 2	21		
供应商 <u>PROVIDER: 爱特恩</u> 第	科技(深圳)	有限公司		

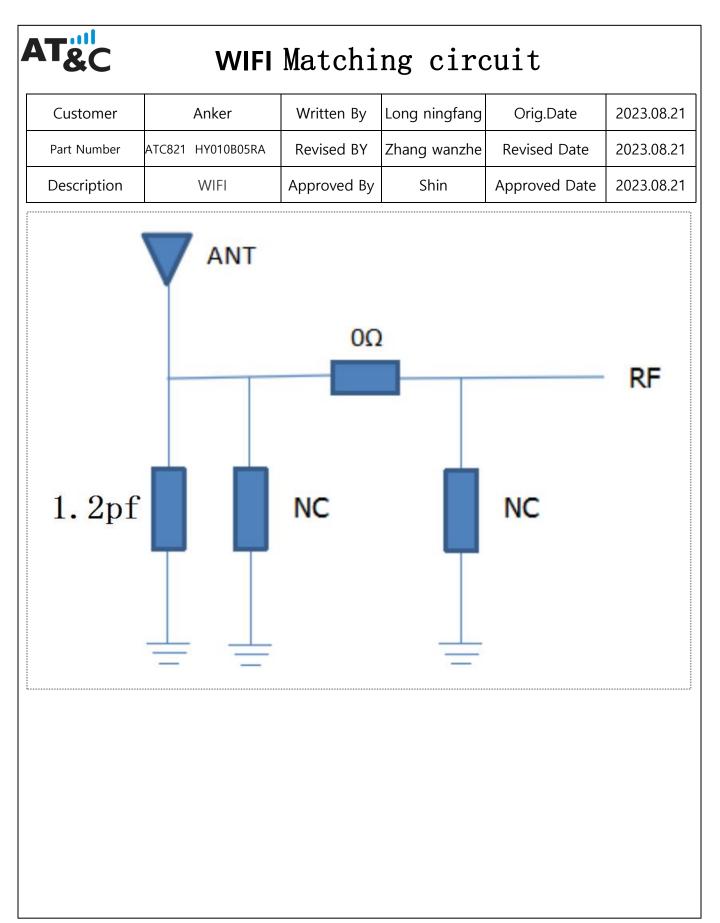
## Test equipment





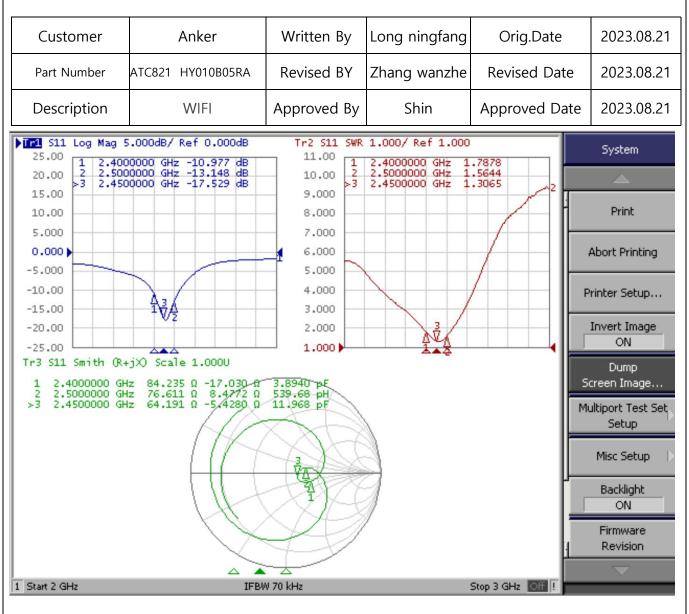
拥有SATIMO原装实验室7M\*5M\*5M的24 探头一座 益麦3.5MX3.5MX3.5M的24探头一座 频率范围均为400MHZ-8.5GHZ 2/3/4/5G. WIFI A/B/G/N/AC/AX BT GPS NB-10T等有源测试, 拥有模拟人头手测试设备







## WIFI Antenna S11





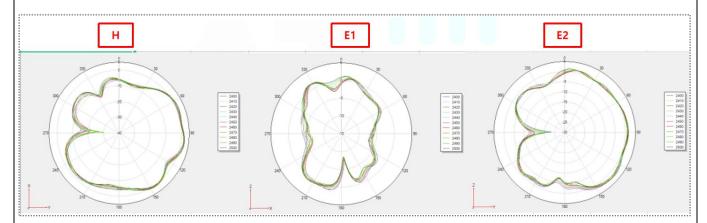
## WIFI Antenna Efficiency&Peak Gain

Customer	A	nker	Written By	Long ningfang	Orig.	Date	2023.08.21
Part Number	АТС821 Н	Y010B05RA	Revised BY	Zhang wanzhe Revised		d Date	2023.08.21
Description	WIFI		Approved By	Shin	Approve	ed Date	2023.08.21
Frequency	(MHz)	Effici	ency(%)	Efficienc	y (dB)	Gain	(dBi)
2400		69	0.2%	-1.6			2.6
2410		67	7.6%	-1.7		2.2	
2420		68	8.4%	-1.7			2.7
2430		64	.9%	-1.9			2.2
2440		68	8.9%	.9% -1.6			2.7
2450		65	5.8%	-1.8			2.1
2460		68	8.6%	-1.6			2.6
2470		64	.9%	-1.9			2.3
2480		67	7.8%	-1.7			2.8
2490		65	5.3%	-1.9			2.4
2500		66	6.1%	-1.8			3.0



## WIFI Directional pattern TEST

Customer	Anker	Written By	Long ningfang	Orig.Date	2023.08.21
Part Number	ATC821 HY010B05RA	Revised BY	Zhang wanzhe	Revised Date	2023.08.21
Description	WIFI	Approved By	Shin	Approved Date	2023.08.21



Customer	Anker	Written By	Long ningfang	Orig.Date	2023.08
Part Number	ATC821 HY010B05RA	A Revised BY	Zhang wanzhe	Revised Date	2023.08
Description	WIFI	Approved By	Shin	Approved Date	2023.08
		Freq:245			
		Freq.21	JOMI12		2.05
					-0.38
					-2.81
					-5.24
			6		
					-7.67
					-7.67 -10.1
					-10.1 -12.5
					-10.1 -12.5 -14.9
	T.C.				-10.1



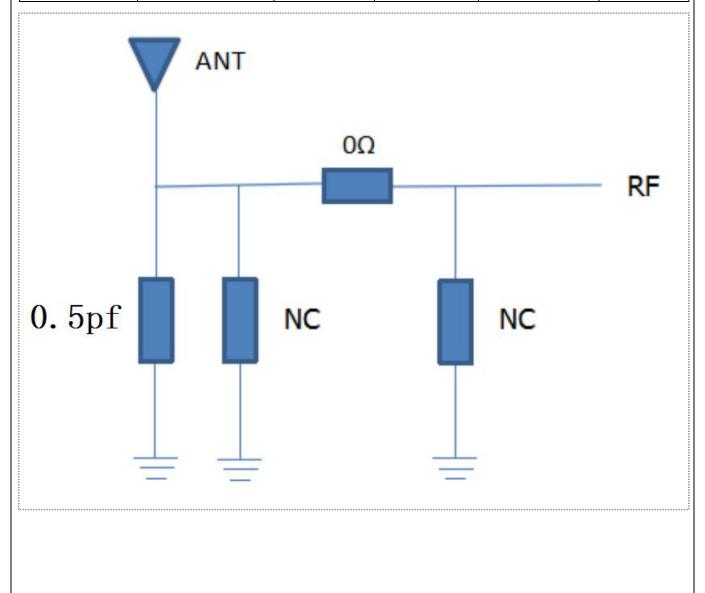
### WIFI Antenna Draw

Customer	Anker	Written By	Long ningfang	Orig.Date	2023.08.2
Part Number	ATC821 HY010B05RA	Revised BY	Zhang wanzhe	Revised Date	2023.08.2
Description	WIFI	Approved By	Shin	Approved Date	2023.08.2
		9-11	14.46		



# **BT ANT** Matching circuit

Customer	Anker	Written By	Long ningfang	Orig.Date	2023.08.21
Part Number	ATC821 HY010B05RA	Revised BY	Zhang wanzhe	Revised Date	2023.08.21
Description	BT	Approved By	Shin	Approved Date	2023.08.21





### **BT Antenna S11**





## BT Antenna Efficiency&Peak Gain

Customer	A	nker	Written By	Long ningfang	Orig.	Date	2023.08.21
Part Number	АТС821 Н	Y010B05RA	Revised BY	Zhang wanzhe	Revised	d Date	2023.08.21
Description	BT		Approved By	Shin	Approve	ed Date	2023.08.21
Frequency	(MHz)	Effici	iency(%)	Efficienc	y (dB)	Gain	(dBi)
2400		65	5.9%	-1.8			4.0
2410		64.3%		-1.9		3.9	
2420		65	5. 5%	-1.8			3. 7
2430		62.8%		-2.0		3.6	
2440		66	5.8%	-1.8			3. 7
2450		63	3. 2%	-2.0			3.6
2460		65	5.8%	-1.8			3.7
2470		62	2.4%	-2.0			3. 7
2480		65	5. 0%	-1.9			3.9
2490		62	2. 2%	-2.0			3.8
2500		62	2.1%	-2.0			3.8



## **BT Directional pattern** TEST

Customer	Anker	Written By	Long ningfang	Orig.Date	2023.08.21
Part Number	ATC821 HY010B05RA	Revised BY	Zhang wanzhe	Revised Date	2023.08.21
Description	ВТ	Approved By	Shin	Approved Date	2023.08.21
H	0 	E1	30 10 10 10 10 10 10 10 10 10 1	E2	
			400	a L	

3D Field pattern diagram							
Customer	Anker	Written By	Long ningfang	Orig.Date	2023.08.2		
Part Number	ATC821 HY010B05RA	Revised BY	Zhang wanzhe	Revised Date	2023.08.2		
Description	BT	Approved By	Shin	Approved Date	2023.08.2		
		Freq:245	OMHz		3.57		
					1.74		
					-0.09		
					-1.93		
					-3.76		
					-5.59		
					-7.42		
					-9.25		
	+				-11.08		
					-12.92		
					-14.75		
					-16.58		



### **BT Antenna Draw**

	Anker	Written By	Long ningfang	Orig.Date	2023.08.
Part Number	ATC821 HY010B05RA	Revised BY	Zhang wanzhe	Revised Date	2023.08.
Description	BT	Approved By	Shin	Approved Date	2023.08.
			0		