Supplier Name: Shenzhen Kangyuanxin Communication Technology Co.,Ltd

SPECIFICATION APPROVAL SHEET

FPC Antenna Model:

Antenna

Specifications

Product Name:

AMP 6500-WIFI-ANT-V01-SC20-A/E / materials:

KYX Brand:

Package:

Sealed plastic bag packaging, 200PCS per package, cartons

Product

FPC

category:

Material Code:

200207015310111

Product

AMP 6500_WIFI_FPC ANT -2.4G&5G -V01-No wires -SC20_A/E-KYX

Description:

Customer signature Supplier signature

Supplier contact address: 6Th floor, 21 Guangqian Industrial Zone, Longzhu 3rd Road, Xili Town, Nanshan District, Shenzhen

Supplier business liaison / TEL / FAX: Liyucheng /075586238626/075586238957

Supplier Technical Support Contact /TEL: Qin Xinjian /075586238967

File Version Information

Category	Date	Version Number	Describe	Recognition	Remarks
Electronic	2018/12/6	V1.0	First Edition	Zhao xiaobo	

NDW DOG	WD C	INIOI OOY OO I TUTADA		Product Inspe	ctio	n Sr	eci	ifi	i ca	ati	on	Number: 2018120607	Edition: B		
NEW POS	TEC.	HNOLOGY CO. LIMITED	Incoming inspection	Standard MIL-STD-105E appearance							Date: Acceptance: CR: 0	2018/12/6 MAJ: 0.25 MIN: 1			
Material num								,	Supplier	KYX					
		1		ems and standards							Graphic:				
Inspection items		Verify Contents		Test criteria	Tool	Frequ ency	Depar tment		Judgi MA						
	1	45.70		±0.2mm							NEW5310	0-WIFI-ANT-V01 (KYX)			
	2	30.50		±0.2mm	CCD	Submit ted/ap proved									
Size	3	19.70		±0.2mm	callipers visual		IQC		V		7		9		
	4	6.71		±0.2mm	•										
		Structure		structure; Back glue, off-type paper, sition and drawing are the same.		Out to see									
structure		Appearance	No damage, no d	visual	Submi tted/a	IQC		V		NAC TO A STATE OF THE PARTY OF	-				
appearance	Welding disk		Gold plating, no damage, no oxidation.			pprov ed					E	6,			
		Silk Seal	Clear and o	clear(no fall to see bottom bad)							FO		4		
		Stand Bobby		≤3.0	View							(12)	3		
Function / Performance		Efficiency		1	Recognit ion	ted/ap	IQC	c v					- 12		
	(Open and short circuit test	No open ci	rcuit between the two plates	multimet er	proved							+		
	В1е	ending, mixing, short-fitting		Not allow											
Packaging / marking		Moisture-Proof grade		/	visual	Submit ted/ap	IQC			V	Matte:	rs needing attention	n		
	Indicate According to NEWPOS label requirements proved										1: Unrevised matters are subject drawings(including preparation	•	ments or product		
material quality	According to the material requirements of the "Product Recognition"										2: The transparent parts are except standard, and the flame retarda				
Packaging Specifications	According to the packing specifications of the Product Recognition Book									3: This specification is based or test using MIL-STD-105E II, fun	nction and size using MIL	-STD-105E S-2			
RoHS&HF									tion	4: The sample of the reference effective preservation period of 5: The material meets the requi	the material;				
Store				-40℃~+85℃							Approve	Countersign	Formulate		
Remarks											1	Fang zhaoyu	Zhao xiaobo		

Accessories:

number	Specification Name	Version	Date	Publish unit	Remarks
1	Antenna test report	/	2018/6/21	KYX	
2	Antenna Size Report	/	2018/9/13	KYX	
3	Drawing	RC	2018/9/13	KYX	
4	Packaging specifications	RA	2018/9/13	KYX	
5	Installation Operations Guide	/	2018/9/13	KYX	
6	Salt fog test, constant temperature humidity, cold and hot impact test report	/	2018/12/5	KYX	
7	RoHS certificate	/	/	SGS/CTI	

WIFI antenna test report

Company Numbe: HZRO	40-D Custome	er Number: AMP 6500-WI	FI Test date:	2018. 6. 21
Reasons for testing:	■New projects	□Specification change	□Process change	□First confirmation
Test data	Test tool: ETS7*4*3 Dark room	m8960/E5515C	the prototype 2. Start the protodark room and esta	sembly the antenna to be tested on type on the test fixture in the blish a connection with the nt. S with test software.

₩.A÷.	单位:dBm		Channel TRP			τιs	
年 位:			SC20_A	SC20_E	SC20_A	SC20_E	
		1	10.62	10.36	-67.59	-67.81	
	2.4G	7	11.05	10.95	-67.88	-67.66	
WIFI		13	10.54	10.29	-67.61	-67.59	
VVII		36	11.08	11.19	-65.83	-66.15	
	5.8G	60	11.25	11.28	-66.39	-66.34	
		153	10.63	10.59	-66.44	-66.29	

Electrical test findings

Meeting customer needs

R&D Engineer: Qin Xinjian

WIFI antenna test report

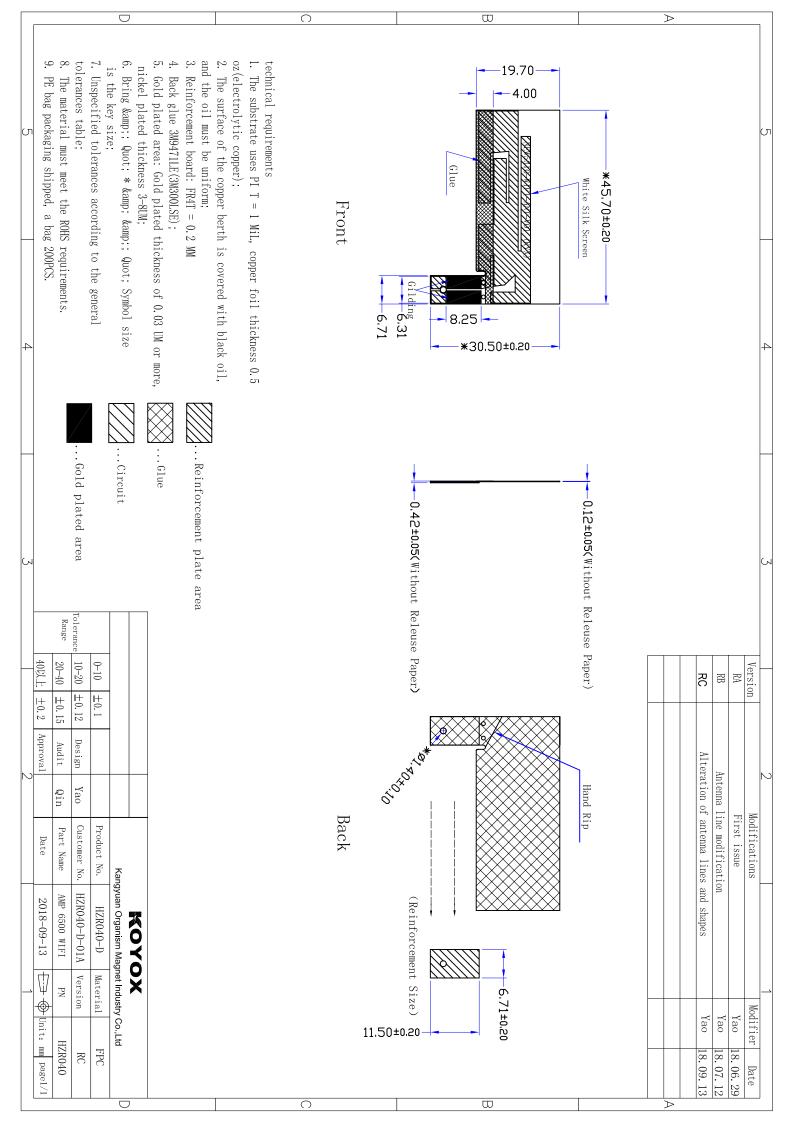
Company Numbe	:HZRO40-D	Customer Nu	ımber: AMP 6	6500-WIFI	Test date: 2018.6.21
Reasons for tes	ting: ■New	projects □Spe	ecification (change □Proces	s change □First confirmation
Test tool: Test data ETS7*4*3 Dark room8960/E5515C			E5515C	treatment, and the prototype. 2. The prototype the dark room a	Do a good job of testing and assemble the antenna to be tested on the is placed on the test fixture in and connected to the network. Gain with test software.
		W	iFi an	tenna	
		Unit:	dBi	Gain	
		WIFI	2.4G	1.98	
		VVIET	5.8G	2.56	
Electrical test findings	Meeting c	ustomer need	ls		

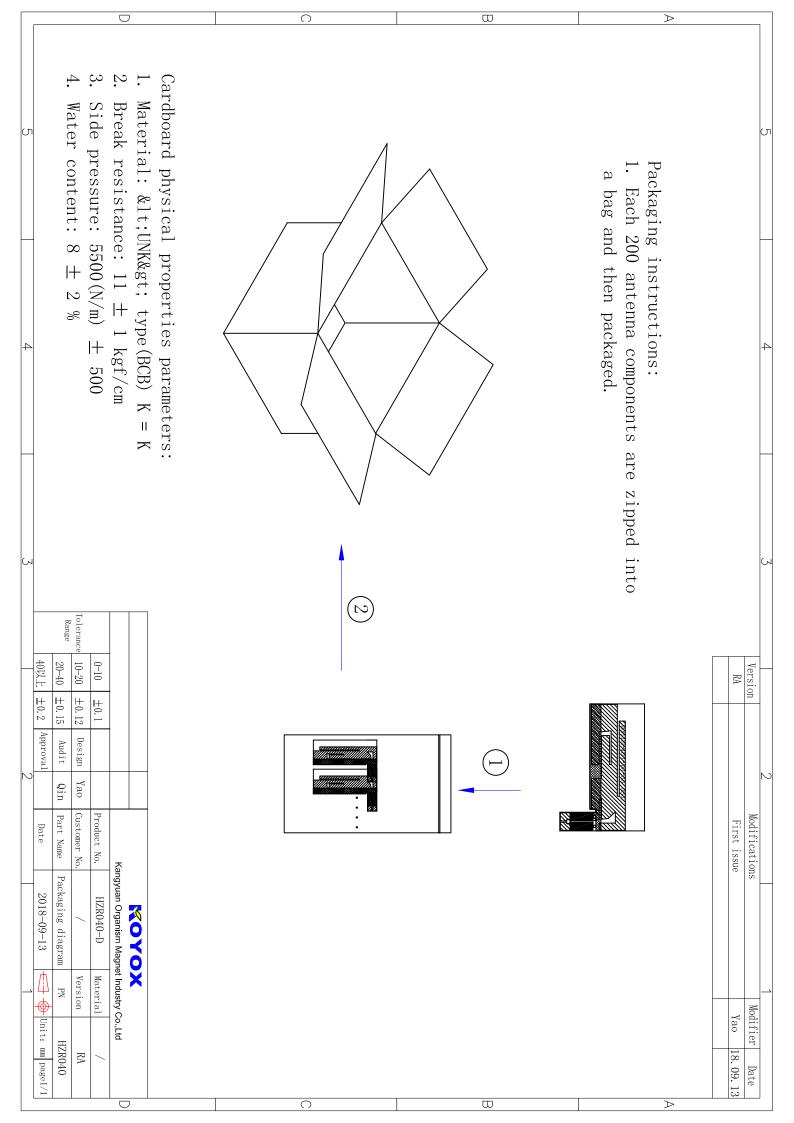
R&D Engineer: Qin Xinjian

Antenna Size Report

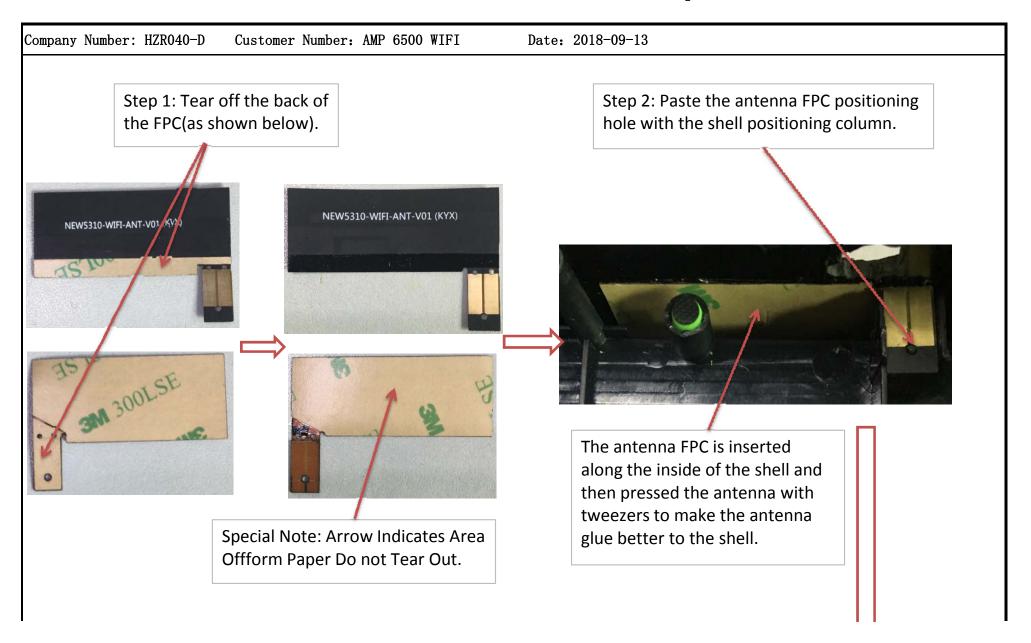
File Number: GC-ESET-001

Company 1	Number:	HZR040-	D Custome	r Number: AM	P 6500-WIFI Test	date: 2018-9-13		
Reasons fo	Reasons for testing: ■New projects □Specification change □Process change □First confirmation							
	specifi	cation	Test	items	Sample 1	Sample 2	Sample 3	
	0.42±	0.05		thickness	0. 426	0. 427	0. 425	
	FPC (0.	2FR4)	Circuit	material	Electrolytic copper	Electrolytic copper	Electrolytic copper	
Divide	Appear stand			appearance	No leakage of copper, shearing, oil, etc	No leakage of copper, shearing, oil, etc	No leakage of copper, shearing, oil, etc	
antenna		Overall assembly						
	45. 7 ±	±0. 2		FPC length	45. 72	45. 71	45. 73	
	30.5 ± 0.2		other	FPC width	30. 54	30. 53	30. 51	
				Line length				
Test cond	lusion	Struct	ural asso	embly meets	customer requirem	nents Struc chang	tural confirmer: Yao	
Final decisio	instru ctions							
n	conclu sion	■a	ccept	□reject	□Conditional ac	ceptance Confirmat	tion: Yao changqing	





Guidelines for antenna installation operations



Icon after antenna assembly



Antenna installation steps:

Step 1: Tear off the back of the

FPC(pictured above).

Step 2: The antenna FPC positioning hole is pasted with the shell positioning column. (FPC inserts the inside of the shell and then presses the antenna with tweezers to make the antenna glue better to the shell.)) (Note: FPC is to be flat close to the surface of the shell, and there must be no undesirable phenomena such as edges or middle bulges).



Shenzhen Kangyuanxin Communication Technology Co., Ltd

Salt Fog Experimental Report

Customer	HZR	Type of electroplating	Gilding				
trade name	AMP 6500 WIFI	AMP 6500 WIFI Number of samples tested					
Test specifications	NSS Neutral Test	Criteria for testing	IPC-TM650				
Solution value	5%NaCl	Temperature	40℃				
Atmospheric pressure		1Mpa					
Spray mode	Continuity	Settlement number (h.80cm)	2m1				
Composition	AASS	Material for goods	Antenna board				
Spray start time.	2018-12-05-10:00	Test End Time	2018-12-06-10:00				
Observation time		Observation					
2018-12-05-10:00	Check for no exceptions						
2018-12-06-10:00	24	hours of continuous sp	oray				
Test:	Zhong haiping	Audit:	Deng faying				
conclusion	Qualified	Approve	Zhang yanmin				

Remarks: Commonly used salt mist test methods are: NSS neutral salt mist test: AASS acid salt mist test, CASSketonic acid acceleration test

The AASS test is to add glacial acid adjustment PH = 3.03.3 to the NSS neutral salt fog test

CASS test is to add 0.26 g / L copper chloride to NSS neutral salt mist test solution.

QR-QA-040A/0

Shenzhen Kangyuanxin Communication Technology Co., Ltd

Test Report on Constant Temperature, Cold and Hot Impact

Customer	HZR	Date	2018/12/5	Number	HZR040-D		
Trade name	AMP 6500 WIFI	Number	15PCS	Test time	24Н		
Material	FPC	Supplier	ВҮК	Standard	MIL-SDT-202Method017IEC60749-25 JEDEC JESD22-A104-B IEC68-2-1MIL- STD-2168-85		
Objective: To test the reliability of the product and the binding force, anti-oxidation and							

anti-corrosion ability of the coating.

Equipment Name: High and Low Temperature Test Box

Laboratory environment:

Temperature	2	45 C	Humidity	85%	Atmosphere]	.Mpa		
	Test parameters									
Temperature	High t	emperature	70°C	Low temperature	Negative 40℃		Tolerance	1℃		
	constant	High	60min	60min Warming 5min						
Time	temperat ure	Low	60min	Cooling	5min		Remarks			
Circulate	12	times	0ther	Humidity		85%				
Check	separation	No	oxide	No	blistering	No	Ink shedding	No		
Test	stripping	\geqslant 1.0kgf/cm ²	Wwe1d	ACC	Baige.	ACC	wear-resisting	ACC		

The ACC was passed and NG was unqualified.

Test record:

Product Number	Product Test Results	Judging				
1					Qualifie	Qualified
2		Qualified				
3		Qualified				
4		Qualified				
5		Qualified				
6	Non-stratification, foaming, discoloration, Qua	Qualif	Qualified			
7		Qualified				
8		Qualified				
9		Qualified				
10		Qualified				
11		Qualified				
12			Qualified			
13		Qualified				
14		Qualified				
15		Qualified				

Tester.: Zhong haiping Audit: Deng faying

Approve: Zhang yanmin