

SPECIFICATION FOR APPROVAL

CUSTOMER:

CUSTOMER PARTNO:

SUPPLIER: Shenzhen Feasycom Co., LTD

PRODUCT MODEL: YT-2 (M01-0200220R0A)

PRODUCT NAME: 2.4&5.8G

PRODUCT CODE: F12E00009A0

CUSTOMER SIGNATURE:

CUSTOMER SEAL:

SUPPLIER SIGNATURE:

SUPPLIER SEAL:

NOTE: PLEASE RETURN THIS COPY AS A CERTIFICATION OF YOUR APPROVAL

Prepared by: 董春玲	Date: 2022.06.17	Add:	Box 508, Building A, Phoenix Smart Valley, No. 50, Tiezi Road, Gongle Community, Xixiang Street, Bao'an District, Shenzhen
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		Fax:	

PERFORMANCE PARAMETER

1. Electrical Characteristics

1	Frequency Range	2400MHz~2500MHz; 5100MHz~5900MHz
2	V. S. W. R	<2.2
3	Gain	2.7dBi
4	Impedence	50 Ω
5	Polarization	Linear polarization

2. Mechanical parameters

1	Measure	FPC:42*19.9mm/Cable: 200mm* Φ 1.13mm
2	Colour	Black

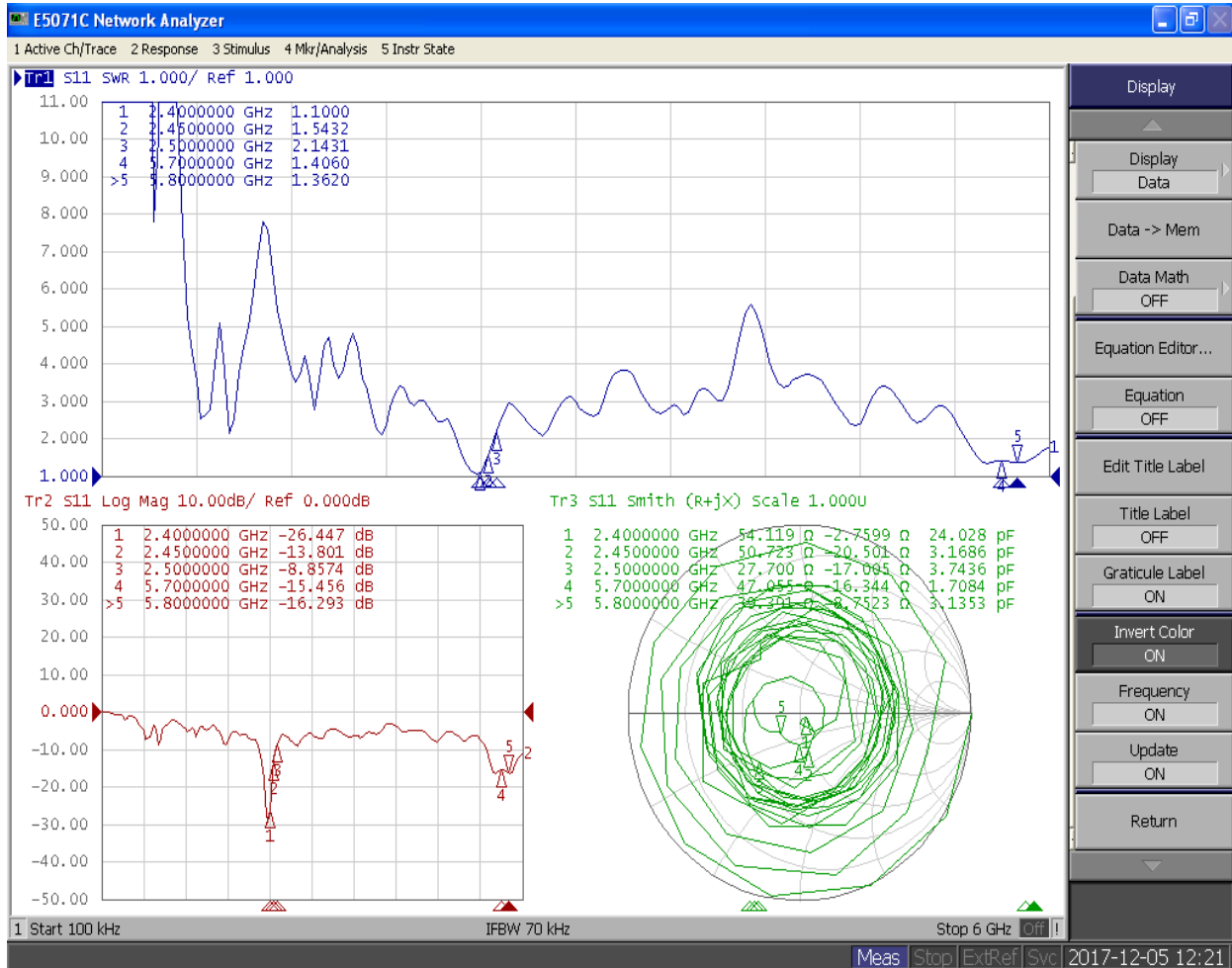
3. Environment Condition

1	Working Temp	-40°C~85°C
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TESTING CURVE

1. Performance test

1.1 V.S.W.R



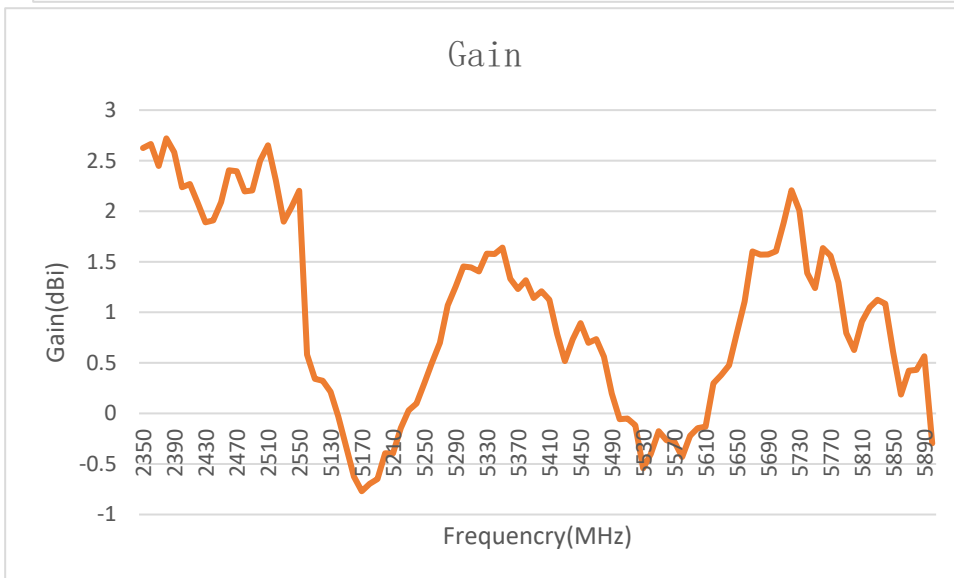
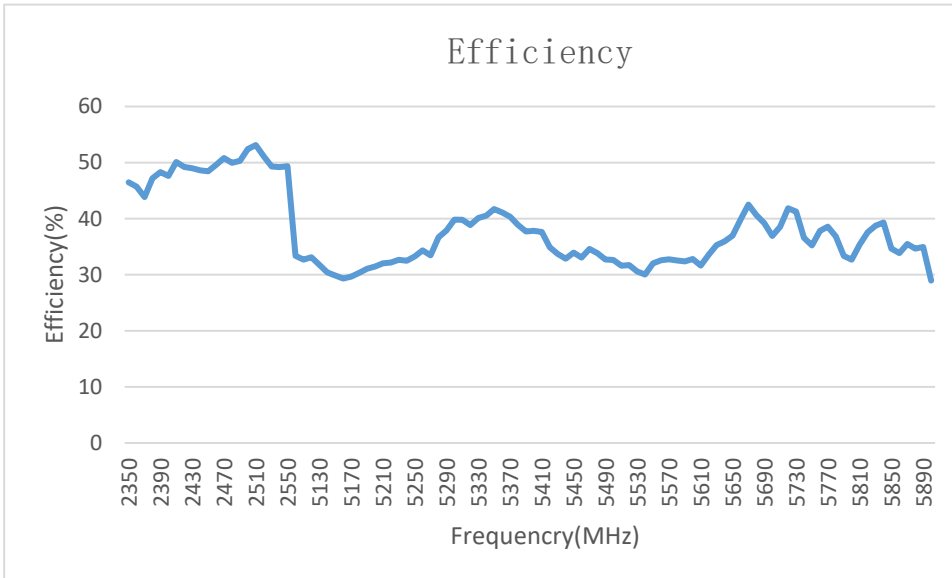
Data list

Freq	2.4	2.45	2.5	5.7	5.8
VSWR	1.1	1.5	2.1	1.4	1.4

TESTING CURVE

2. Passive testing

2.1 Efficiency and Gain

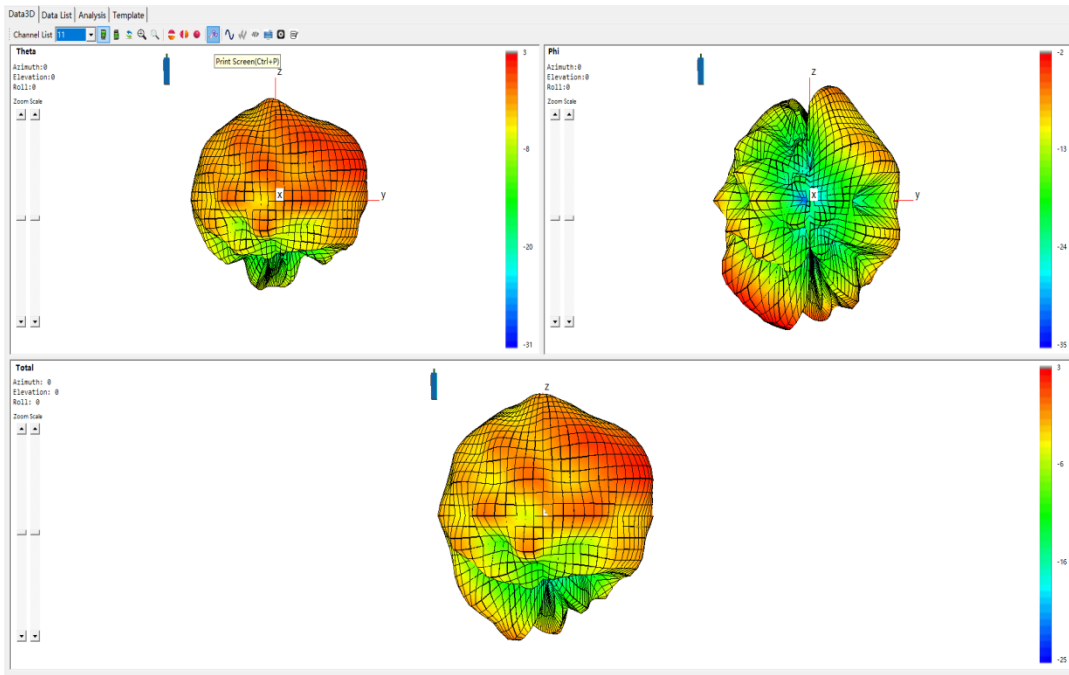


Data list

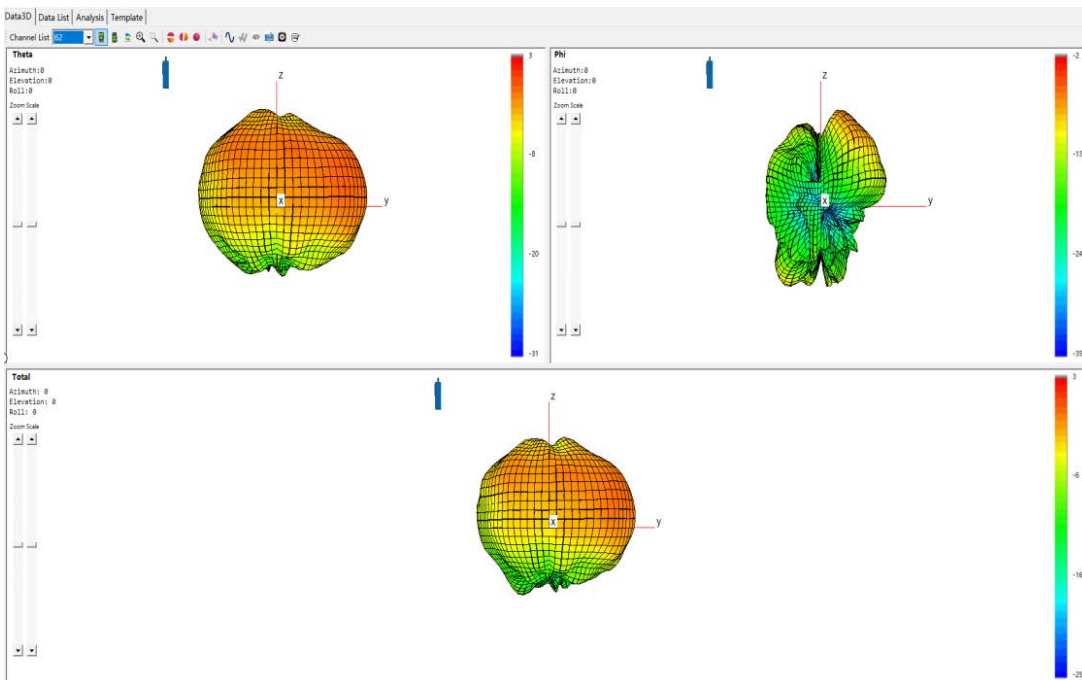
Freq	Gain	Efficiency	Freq	Gain	Efficiency	Freq	Gain	Efficiency
2350	2.62	46.47	5230	0.03	32.67	5570	-0.28	32.76
2360	2.66	45.72	5240	0.10	32.48	5580	-0.43	32.56
2370	2.45	43.84	5250	0.30	33.26	5590	-0.22	32.39
2380	2.72	47.19	5260	0.50	34.34	5600	-0.15	32.80
2390	2.58	48.31	5270	0.70	33.47	5610	-0.13	31.64
2400	2.24	47.63	5280	1.07	36.69	5620	0.30	33.59
2410	2.27	50.09	5290	1.25	37.88	5630	0.38	35.29
2420	2.08	49.21	5300	1.45	39.82	5640	0.48	35.95
2430	1.89	48.99	5310	1.44	39.81	5650	0.79	36.97
2440	1.91	48.61	5320	1.41	38.86	5660	1.11	39.81
2450	2.09	48.43	5330	1.58	40.11	5670	1.60	42.50
2460	2.40	49.59	5340	1.58	40.54	5680	1.57	40.67
2470	2.40	50.81	5350	1.64	41.72	5690	1.57	39.21
2480	2.20	49.97	5360	1.33	41.11	5700	1.60	36.91
2490	2.21	50.30	5370	1.23	40.34	5710	1.89	38.53
2500	2.50	52.41	5380	1.32	38.87	5720	2.21	41.85
2510	2.65	53.12	5390	1.14	37.71	5730	2.01	41.27
2520	2.30	51.11	5400	1.21	37.83	5740	1.39	36.58
2530	1.90	49.29	5410	1.12	37.64	5750	1.24	35.24
2540	2.04	49.17	5420	0.78	34.89	5760	1.63	37.84
2550	2.20	49.36	5430	0.52	33.73	5770	1.56	38.56
5100	0.58	33.36	5440	0.73	32.86	5780	1.30	36.83
5110	0.34	32.68	5450	0.89	33.94	5790	0.80	33.35
5120	0.32	33.12	5460	0.70	33.08	5800	0.63	32.68
5130	0.21	31.78	5470	0.73	34.62	5810	0.91	35.39
5140	-0.03	30.40	5480	0.56	33.83	5820	1.05	37.57
5150	-0.33	29.87	5490	0.20	32.73	5830	1.12	38.73
5160	-0.63	29.33	5500	-0.06	32.64	5840	1.08	39.30
5170	-0.77	29.66	5510	-0.05	31.61	5850	0.61	34.65
5180	-0.70	30.33	5520	-0.12	31.72	5860	0.19	33.87
5190	-0.65	31.07	5530	-0.54	30.57	5870	0.42	35.49
5200	-0.39	31.46	5540	-0.40	30.04	5880	0.43	34.66
5210	-0.40	32.04	5550	-0.18	32.02	5890	0.57	34.93
5220	-0.14	32.19	5560	-0.27	32.57	5900	-0.30	28.96

TESTING CURVE

2.2 3D Map 2.4G

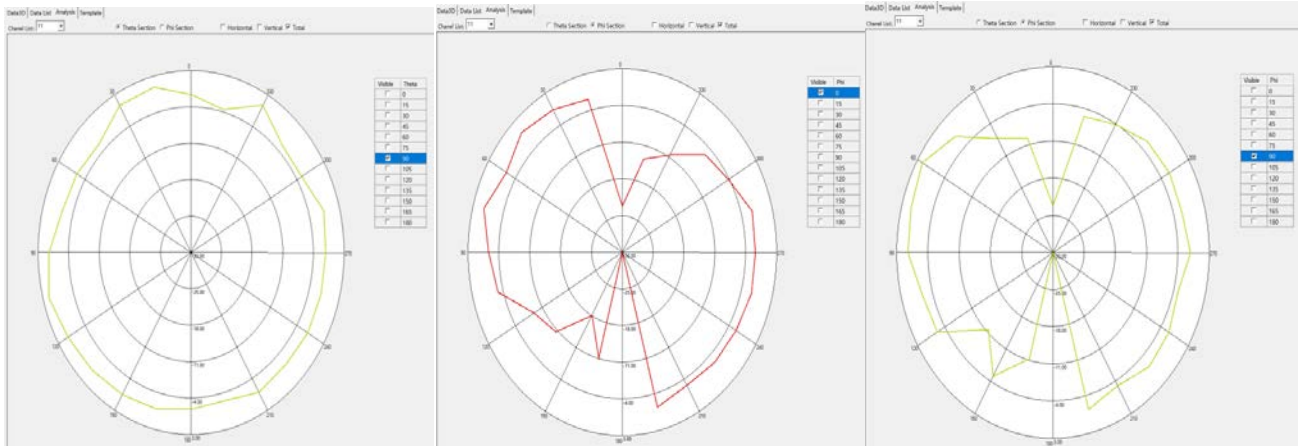


5.8G

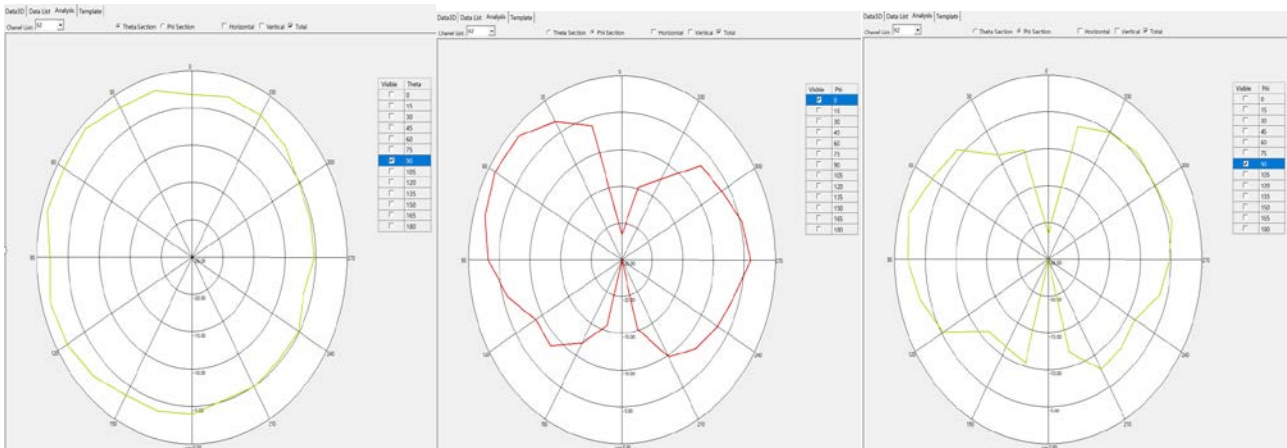


TESTING CURVE

2.3 D Figure 2.4G



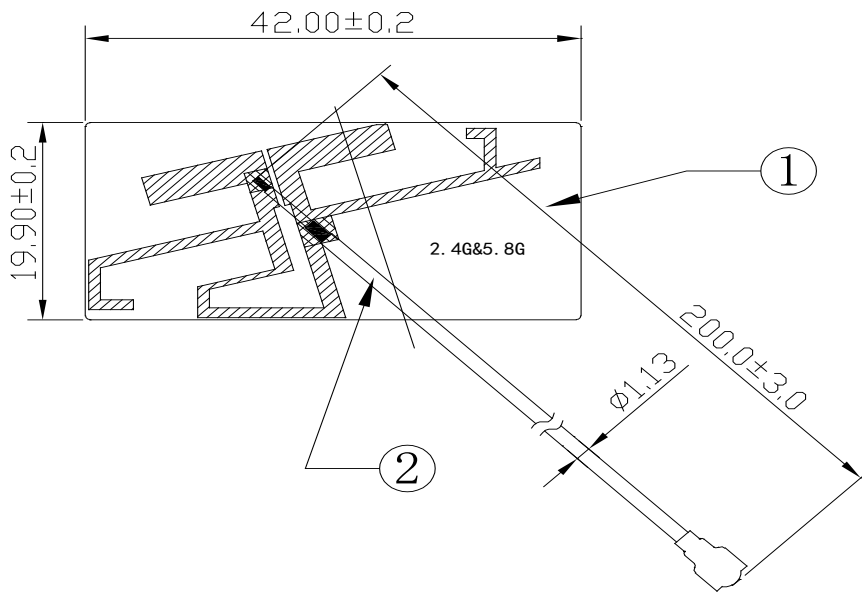
5.8G



SCHEDULE DRAWING



No.	Name	Material	Color	Treatment	Amount	Remark
1	2. 4G&5. 8G FPC		Black		1	
2	2. 4G&5. 8G Coaxial	Cable	Black		1	



First generation terminal
Ports facing down

Remark:

1. The size marked with “*” is the key size
2. The contents of Pb, Hg, Cr+6, PBBs, and PBDEs in each part are less than 500PPM, and Cd is less than 50PPM.

Rev	Description	Date	Remark	Location	Project	FYT-02	Designed by		
B	Part Number	20200804			Part Name	2. 4G&5. 8G Antenna	Date		
A0	New drawing	20200804			Part No.	M01-0200220R0A	Checked by	RF	
					Material		Date		
					DWG No.	00000080	Approved by		
							Unit	mm	Scale
								1:1	

Certificate of Acceptance Sample Size Inspection Report

Project Name		FYT-2		Antenna Type	FPC Antenna	Inspection Date	2022-06-17		
Appearance inspection standards				1. No abnormality on the antenna surface.					
Dimensional inspection standards				2. Within the tolerance range required by the drawing					
Code	Inspection items	Specification	Inspection tools	Number of samples	Judgment	Description			
1	Appearance	As above standard	Visual	4	OK				
2	Size	As following table	Vernier caliper	4	OK				
NO.	Inspection items	Specification	Detection tools	Test results (including six sets of data with the highest and lowest values)					
				1	2	3	4	5	6
1	Dimensions	42.00±0.2	Caliper						
2		200.0±3							
3		19.90±0.2							
4									
5									
Remark									
Approval: 杨永成			Audit: 陈建尤			Inspector: 董春玲			

QC ENGINEERING DRAWING

		Document number	MA-QCW-2203-005		File Name			FYT-2 FPC Antenna		Compilation	赵艳
		Version	A					Audit			
QC ENGINEERING DRAWING		Release Date	2022.06.17		Effective Date	2022.06.17		Page	1/1	Approve	徐茂元
		NO.	Process	Process Name	Process parameters/ quality characteristics	Use equipment fixture	Testing equipment	Inspection Method	Check frequency	Usage Record	Responsible
1		Incoming material inspection	Inspection standards/drawings	Caliper	/	Visual	AQL Sampling	IQC Inspection Report	IQC		
2		Welding coaxial line	Assembly drawings	Iron	/	/	/	/	Operator		
2		Packaging (bagging) quantity confirmation	/	/	/	Visual	Full inspection	Production daily report	Operator		
3		Storage	Production order	/	/	/	/	Product Inventory Order	Warehouse keeper		
4		Pre-shipment inspection	/	/	/	/	Sampling	Sampling report	OQC		
Instruction: <input type="checkbox"/> operation and processing; <input checked="" type="checkbox"/> confirmation, inspection, judgment, approval <input checked="" type="checkbox"/> operation and processing; <input type="checkbox"/> Transportation											
Mark		Modifications					Version	Date	Modified by	Approver	
		First edition released					A	2022.06.17	赵艳	徐茂元	

ROHS TEST REPORT

Project material name	Material Code	Report test sample name	Testing agency	Detection time	Test report number	Test Conclusion	Remark
FYT-2 (M01-0200220R0A)	F12E00009A0	FPC (Substrate)	SGS	2022/2/21	SHAEC2202460503	OK	
		FPC (Ink)	SGS	2021/9/6	ETR21805816		
		FPC (Adhesive)	SGS	2021/9/4	SHAEC2118730101		
		Coaxial cable (tinned copper)	SGS	2021/8/23	CANEC2114861409		
		Coaxial Cable (FEP)	SGS	2021/12/9	CANEC2122693209		
Fictitious person: 董春玲		Reviewer: 陈建尤		Date: 2022.06.17		Stamping place:	

PRODUCT VERIFICATION

Test items	Test description/Test standard	Target Requirements	Product Verification (PV)						Remark
			Sample		Trial Location		Test	Responsible Person	
			Quantity	Type	client	supplier	Third party	Result	
Appearance inspection	The surface should not have defects such as dents, scratches, cracks, deformation, burrs, mildew spots, etc.; the surface coating should not bubble, crack, or fall off; metal parts should not have rust or other mechanical damage; the injection material should not overflow.	Normal appearance	Full inspection	Tooling parts		✓		OK	
Size	According to drawing size	Within the size tolerance	3pcs	Tooling parts		✓		OK	
Performance Check	The product meets the requirements of the design specification	Short circuit and continuity test	Full inspection	Tooling parts		✓		OK	
Insertion and extraction force	SMA Header Insertion and Extraction Force	Pull-out test, the bearing capacity is greater than 2N	3pcs	Tooling parts					
Salt spray resistant	48 hours salt spray test	The surface is not rusted after cycle verification	3pcs	/					
Requirements for banned and restricted substances	Tested in accordance with RoHS requirements	Products should comply with RoHS standards	/	/			✓	OK	
Packaging Specifications	Place according to the drawing specifications	Visual inspection and placement as required	Full inspection	Tooling parts		✓		OK	

BOM DETAILS

NO.	Part Number	Product Name	Version	Specifications	Color	Unit	Dosage
1	F01-0100440R0A	FPC Antenna	V1.0	Black/FPC one-and-a-half material/back adhesive 3M9471/OSP/42*19.9mm/RoHs	Black	PCS	1
2	X01-0200430R0A	Coaxial Cable	V1.0	Black/ Coaxial cable/ One end stripped wire (2.0/5.0/1.5)/ One end first generation Zepu terminal/ 1.13*200.0mm/ RoHs	Black	PCS	1
3							
4							
5							
6							
8							