

TEST REPORT

Applicant: Radiolink Electronic Limited

Address of Applicant: 3/F, Building 2, Fuguo Industrial Park, Kaifeng Road, Meilin, Shenzhen, Guangdong, China

Manufacturer/Factory: Radiolink Electronic Limited

Address of Manufacturer/Factory: 3/F, Building 2, Fuguo Industrial Park, Kaifeng Road, Meilin, Shenzhen, Guangdong, China

Equipment Under Test (EUT)

Product Name: 70A 4-in-1 Electronic Speed Controller

Model No.: AM32-70A

Trade Mark: 

Applicable standards: EN 55032:2015+A1:2020
EN 55035:2017+A11:2020

Date of sample receipt: July 30, 2026

Date of Test: July 30, 2026-August 03, 2026

Date of report issued: August 03, 2026

Test Result : PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Robinson Luo

Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	August 03, 2026	Original

Test by:

John. Zhou

Date:

August 03, 2026

Test Engineer

Prepared by:

Lin Zhang

Date:

August 03, 2026

Project Engineer

Reviewed by:

Robinson Liu

Date:

August 03, 2026

Reviewer

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4 Test Summary

Test item	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission (up to 1G)	EN 55032	EN 55032	Class B	Pass
Radiated Emission (Above 1G) #	EN 55032	EN 55032	Class B	N/A
Conducted Emission	EN 55032	EN 55032	Class B	N/A
Asymmetric mode conducted emissions	EN 55032	EN 55032	Class B	N/A
Disturbance voltage at antenna terminal	EN 55032	EN 55032	Class B	N/A
Electrostatic discharge	EN 55035	EN 61000-4-2	Contact ± 4 kV Air $\pm 2, \pm 4, \pm 8$ kV	Pass
Continuous RF electromagnetic field disturbances	EN 55035	EN 61000-4-3	3V/m 80%, 1kHz, AM	Pass
Electrical fast transients*	EN 55035	EN 61000-4-4	± 0.5 kV for DC port; ± 0.5 kV for signal ports	N/A
Surges**	EN 55035	EN 61000-4-5	DC port: 0.5kV, Signal port: 0.5kV	N/A
Continuous induced RF disturbance*	EN 55035	EN 61000-4-6	0.15MHz to 10MHz:3V 10MHz to 30MHz:3V to 1V 30MHz to 80MHz:1V 80%, 1kHz Amp. Mod.	N/A

Remark:

1. Pass: Comply with the essential requirements in the standard.
2. N/A: Not applicable
3. *: Only applicable to ports interfacing with cables whose total length, according to the manufacturer's specification, can exceed 3 m.
4. **: Only applicable to wired network ports that can connect directly to cables leaving the building structure.
5. #: Refer to EN55032 clause 8 conditional testing procedure :

Highest internal frequency (Fx)	Highest measured frequency
$F_x \leq 108$ MHz	1GHz
108 MHz $< F_x \leq 500$ MHz	2GHz
500 MHz $< F_x \leq 1$ GHz	5GHz
$F_x > 1$ GHz	5 x Fx up to a maximum of 6 GHz
NOTE 1 For FM and TV broadcast receivers, Fx is determined from the highest frequency generated or used excluding the local oscillator and tuned frequencies.	
NOTE 2 Fx is defined in 3.1.18.	
NOTE 3 For outdoor units of home satellite receiving systems highest measured frequency shall be 18 GHz.	

The highest frequency of the internal sources of the EUT is less than 108MHz.

5 General Information

5.1 General Description of EUT

Product Name:	70A 4-in-1 Electronic Speed Controller
Model No.:	AM32-70A
Power Supply:	DC 27.4V

Disclaimer statement:

The information in this section is provided by the applicant or manufacturer, GTS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

5.2 Test mode and Test Voltage

Test mode:	
Operation mode	Keep the EUT in the operation status.
Test voltage:	
DC 27.4V	

5.3 Description of Support Units

Manufacturer	Description	Model	Serial Number
GTS	DC power supply system	N/A	N/A

5.4 Monitoring of EUT for All Immunity Test

Visual:	Monitor the working status of EUT
Audio:	N/A

5.5 Deviation from Standards

None.

5.6 Abnormalities from Standard Conditions

None.

5.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC —Registration No.: 381383**

Designation Number: CN5029

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files.

- **ISED —Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing.

- **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

5.8 Test Location

All test items were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480; Fax: 075527798960

6 Test Instruments List

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	Apr. 10, 2026	Apr. 09, 2027
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	Apr. 10, 2026	Apr. 09, 2027
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	Apr. 11, 2026	Apr. 10, 2027
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	Apr. 11, 2026	Apr. 10, 2027
6	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	Jul 17, 2026	Jul 16, 2027
7	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov.22, 2025	Nov.21, 2026
8	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	Apr. 10, 2026	Apr. 09, 2027
9	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	Apr. 10, 2026	Apr. 09, 2027
10	Horn Antenna (18GH-40GHz)	Schwarzbeck	BBHA 9170	GTS691	Apr. 11, 2026	Apr. 10, 2027
11	Spectrum analyzer (9kHz-40GHz)	Rohde & Schwarz	FSV40-N	GTS666	Mar. 10, 2026	Mar. 09, 2027
12	Amplifier	/	LNA-1000-30S	GTS650	Apr. 10, 2026	Apr. 09, 2027
13	CDNE M2+M3-16A	HCT	30MHz-300MHz	GTS692	Nov. 24, 2025	Nov. 23, 2026
14	Wideband Amplifier	/	WDA-01004000-15P35	GTS602	Apr. 10, 2026	Apr. 09, 2027
15	Thermo meter	JINCHUANG	GSP-8A	GTS643	Apr. 13, 2026	Apr. 12, 2027
16	RE cable 1	GTS	N/A	GTS675	Jul. 17, 2026	Jul. 16, 2027
17	RE cable 2	GTS	N/A	GTS676	Jul. 17, 2026	Jul. 16, 2027
18	RE cable 3	GTS	N/A	GTS677	Jul. 17, 2026	Jul. 16, 2027
19	RE cable 4	GTS	N/A	GTS678	Jul. 17, 2026	Jul. 16, 2027
20	RE cable 5	GTS	N/A	GTS679	Jul. 17, 2026	Jul. 16, 2027
21	RE cable 6	GTS	N/A	GTS680	Jul. 17, 2026	Jul. 16, 2027
22	RE cable 7	GTS	N/A	GTS681	Jul. 22, 2026	Jul. 21, 2027
23	RE cable 8	GTS	N/A	GTS682	Jul. 22, 2026	Jul. 21, 2027
24	CE cable 9	GTS	N/A	GTS683	Jul. 23, 2026	Jul. 22, 2027
25	EMI Test Software	AUDIX	E3-6.100614a	GTS725	N/A	N/A

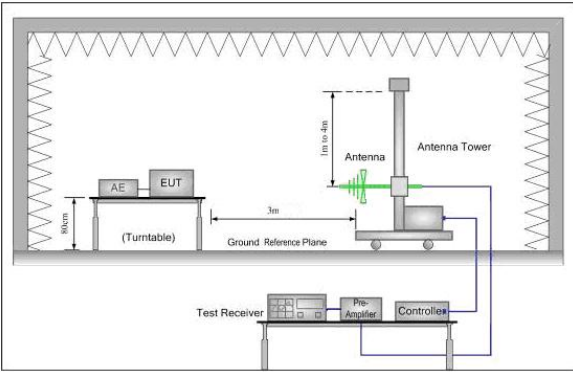
ESD						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	ESD Simulator	LINCEL	ESD-203B	GTS645	Apr. 13, 2026	Apr. 12, 2027
2	Thermo meter	KTJ	TA328	GTS243	Apr. 13, 2026	Apr. 12, 2027

Radiated Immunity						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Probe	STT	SEM-600	GTS648	Apr. 16, 2026	Apr. 15, 2027
2	Stacked Log.-Per.-Broadband Antenna	SCHWARZBECK	STLP 9129	GTS658	Jul. 17, 2026	Jul. 16, 2027
3	MXG vector Signal Generator	Agilent	N5181A	GTS659	Nov. 24, 2025	Nov. 23, 2026
4	Power amplifier	Micotop	MPA-20-1000-250	GTS660	Jul. 17, 2026	Jul. 16, 2027
5	Power amplifier	Micotop	MPA-1000-6000-100	GTS661	Jul. 17, 2026	Jul. 16, 2027
6	EPM S SERIES POWER METER	Agilent	E4419B	GTS662	Nov. 24, 2025	Nov. 23, 2026
7	E-SERIES AVG POWER SENSOR	HP	E9301A	GTS670	Nov. 24, 2025	Nov. 23, 2026
8	Thermo meter	JINCHUANG	GSP-8A	GTS643	Apr. 13, 2026	Apr. 12, 2027
9	RS Test software	EM	V1.2.6	GTS729	N/A	N/A

General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Barometer	KUMAO	SF132	GTS647	Jul. 21, 2026	Jul. 20, 2027

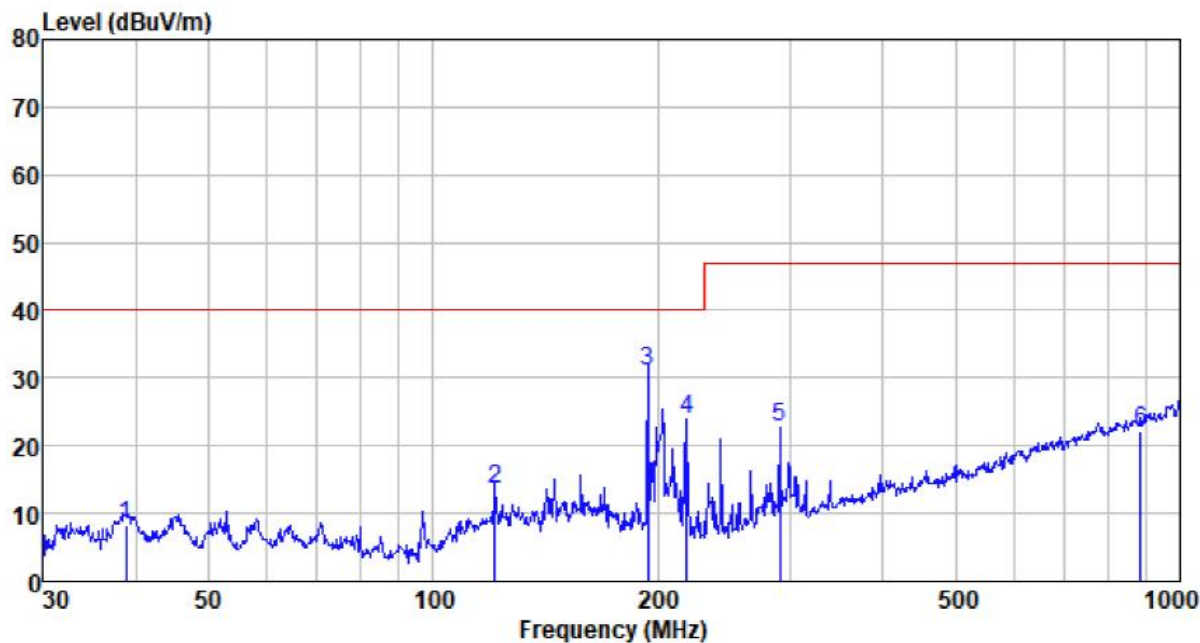
7 Emission Test Results

7.1 Radiated Emission

Test Requirement:	EN 55032				
Test Method:	EN 55032				
Test Frequency Range:	30MHz to 1GHz				
Class / Severity:	Class B				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Limit:	Frequency		Limit (dBμV/m @3m)		Value
	30MHz-230MHz		40.00		Quasi-peak
	230MHz-1GHz		47.00		Quasi-peak
Test setup:					
Test Procedure:	1. The radiated emissions test was conducted in a semi-anechoic chamber. 2. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, but separated from metallic contact with the ground reference plane by 0.1m of insulation. 3. Before final measurements of radiated emissions, a pre-scan was performed in the spectrum mode with the peak detector to find out the maximum emissions spectrum plots of the EUT. 4. The frequencies of maximum emission were determined in the final radiated emissions measurement. At each frequency, the EUT was rotated 360°, and the antenna was raised and lowered from 1 to 4 meters in order to determine the maximum disturbance. Measurements were performed for both horizontal and vertical antenna polarization.				
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.: 1 012mbar
Measurement Record:	Uncertainty: 3.8039dB (30MHz-200MHz) 3.9679dB (200MHz-1GHz)				
Test Instruments:	Refer to section 6 for details				
Test mode:	Refer to section 5.2 for details, and only show the worst case.				
Test results:	Pass				

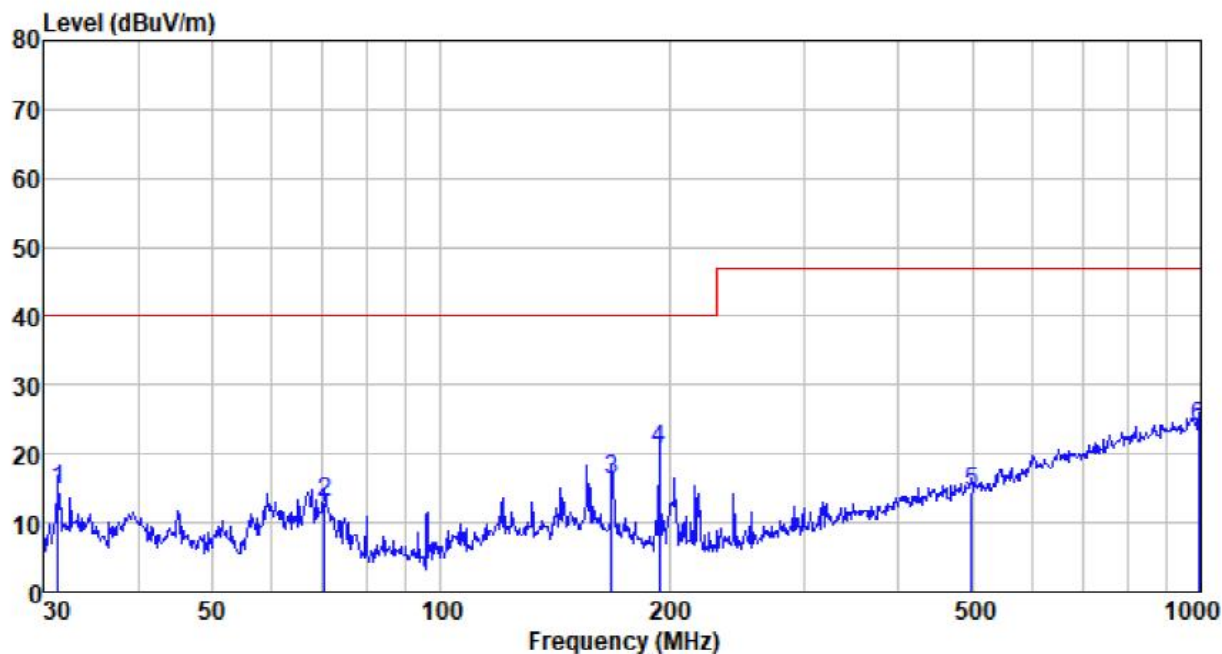
Measurement Data

Test mode:	Operation mode	Antenna Polarity:	Horizontal
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
38.752	26.25	14.15	1.28	33.55	8.13	40.00	-31.87	QP
121.123	32.22	12.78	2.19	33.54	13.65	40.00	-26.35	QP
193.773	51.25	10.50	2.75	33.41	31.09	40.00	-8.91	QP
218.309	44.47	9.77	2.95	33.36	23.83	40.00	-16.17	QP
291.036	40.56	12.04	3.49	33.21	22.88	47.00	-24.12	QP
884.503	24.75	22.99	6.19	31.71	22.22	47.00	-24.78	QP

Test mode:	Operation mode	Antenna Polarity:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
31.399	34.63	12.50	1.23	33.59	14.77	40.00	-25.23	QP
70.337	33.99	10.87	1.73	33.55	13.04	40.00	-26.96	QP
167.824	33.51	13.72	2.58	33.45	16.36	40.00	-23.64	QP
193.773	40.73	10.50	2.75	33.41	20.57	40.00	-19.43	QP
499.425	25.82	16.89	4.58	32.90	14.39	47.00	-32.61	QP
993.011	24.42	23.96	6.66	31.13	23.91	47.00	-23.09	QP

Notes:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

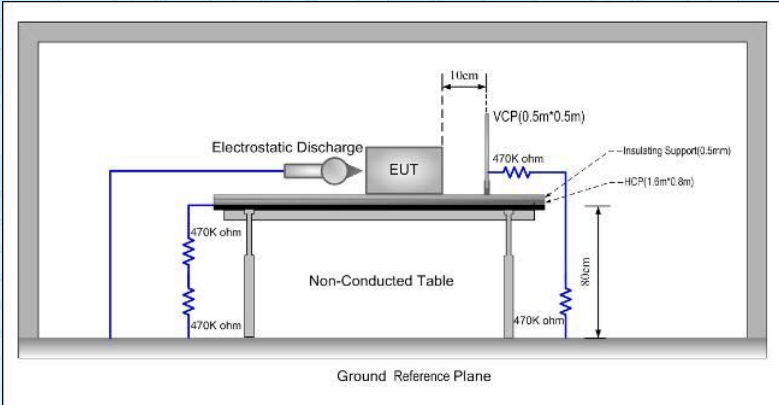
1. Final Level (dBuV/m)=Reading level(dBuV)+Antenna Factor(dB/m)+Cable Loss(dB)-Preamp Factor(dB)

8 Immunity Test Results

8.1 Performance Criteria Description in Clause 8 of EN 55035

Criterion A:	The equipment shall continue to operate as intended without operator intervention. No degradation of performance, loss of function or change of operating state is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.
Criterion B:	During the application of the disturbance, degradation of performance is allowed. However, no unintended change of actual operating state or stored data is allowed to persist after the test. After the test, the equipment shall continue to operate as intended without operator intervention; no degradation of performance or loss of function is allowed, below a performance level specified by the manufacturer, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level (or the permissible performance loss), or recovery time, is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.
Criterion C:	Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. A reboot or re-start operation is allowed. Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

8.2 Electrostatic discharge

Test Requirement:	EN 55035
Test Method:	EN 61000-4-2
Discharge Voltage:	Contact Discharge: $\pm 4\text{kV}$ Air Discharge: $\pm 2\text{kV}$, $\pm 4\text{kV}$, $\pm 8\text{kV}$ HCP/VCP: $\pm 4\text{kV}$
Polarity:	Positive & Negative
Number of Discharge:	Contact Discharge: Minimum 10 times at each test point, Air Discharge: Minimum 10 times at each test point.
Discharge Mode:	Single Discharge
Discharge Period:	1 second minimum
Performance Criterion:	Criterion B
Test setup:	
Test Procedure:	Air discharge: The test was applied on non-conductive surfaces of EUT. The round discharge tip of the discharge electrode was approached as fast as possible to touch the EUT. After each discharge, the discharge electrode was removed from the EUT. The generator was re-triggered for a new single discharge and repeated 10 times for each pre-selected test point. This procedure was repeated until all the air discharge completed Contact Discharge: The test was applied on conductive surfaces of EUT. the generator was re-triggered for a new single discharge and repeated 25 times for each pre-selected test point. the tip of the discharge electrode was touch the EUT before the discharge switch was operated. Indirect discharge for horizontal coupling plane At least 10 single discharges shall be applied at the front edge of each HCP opposite the centre point of each unit of the EUT and 0.1m from the front of the EUT. The long axis of the discharge electrode shall be in the plane of the HCP and perpendicular to its front edge during the discharge. Consideration should be given to exposing all sides of the EUT. Indirect discharge for vertical coupling plane At least 10 single discharges were applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m X

	0.5m, was placed parallel to, and positioned at a distance of 0.1m from the EUT. Discharges were applied to the coupling plane, with this plane in sufficient different positions that the four faces of the EUT are completely illuminated.					
Test environment:	Temp.:	24 °C	Humid.:	51%	Press.:	1 012mbar
Test Instruments:	Refer to section 6 for details					
Test mode:	Refer to section 5.2 for details					
Test results:	Pass					

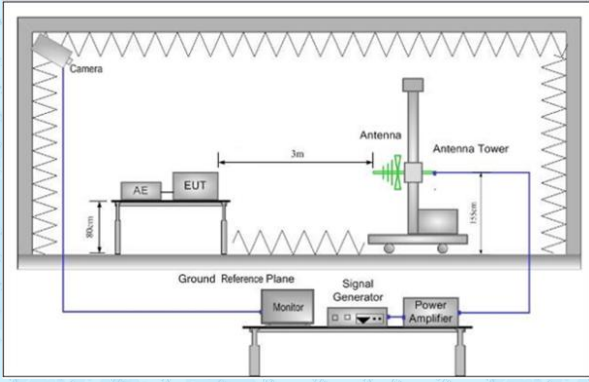
Measurement Record:

Test points:	I: N/A			
	II: N/A			
Direct discharge				
Discharge Voltage (KV)	Type of discharge	Test points	Observations Performance	Result
± 4	Contact	I	N/A	N/A
± 2,± 4,± 8	Air	II	N/A	N/A
Indirect discharge				
Discharge Voltage (KV)	Type of discharge	Test points	Observation Performance	Result
± 4	HCP-Bottom/Top/ Front/Back/Left/Right	Edge of the HCP	A	Pass
± 4	VCP-Bottom/Top/ Front/Back/Left/Right	Center of the VCP	A	Pass

Remark:

Performance Criteria: A, B, C: Refer to section 8.1 for details

8.3 Continuous RF electromagnetic field disturbances

Test Requirement:	EN 55035
Test Method:	EN 61000-4-3
Frequency range:	80MHz to 5GHz
Test Level:	3V/m
Performance Criterion:	Criterion A
Test setup:	
Test Procedure:	1. For table-top equipment, the EUT was placed in the chamber on a non-conductive table 0.8m high. For arrangement of floor-standing equipment, the EUT was mounted on a non-conductive support 0.1m above the supporting plane. For human body-mounted equipment, the EUT may be tested in the same manner as table top items. 2. If possible, a minimum of 1 m of cable is exposed to the electromagnetic field. Excess length of cables interconnecting units of the EUT shall be bundled low-inductively in the approximate center of the cable to form a bundle 30 cm to 40 cm in length. 3. The EUT was initially placed with one face coincident with the calibration plane. The EUT face being illuminated was contained within the UFA (Uniform Field Area). 4. The frequency ranges to be considered were swept with the signal modulated and pausing to adjust the RF signal level or to switch oscillators and antennas as necessary. Where the frequency range was swept incrementally, the step size was not exceed 1 % of the preceding frequency value. 5. The dwell time of the amplitude modulated carrier at each frequency was not be less than the time necessary for the EUT to be exercised and to respond, and was not less than 0,5 s. 6. The test normally was performed with the generating antenna facing each side of the EUT. 7. The polarization of the field generated by each antenna necessitates testing each selected side twice, once with the antenna positioned vertically and again with the antenna positioned horizontally. 8. The EUT was performed in a configuration to actual installation conditions, a video camera and/or a audio monitor were used to monitor the performance of the EUT.
Test environment:	Temp.: 25 °C Humid.: 52% Press.: 1 012mbar
Test Instruments:	Refer to section 6 for details

Test mode:	Refer to section 5.2 for details
Test results:	Pass

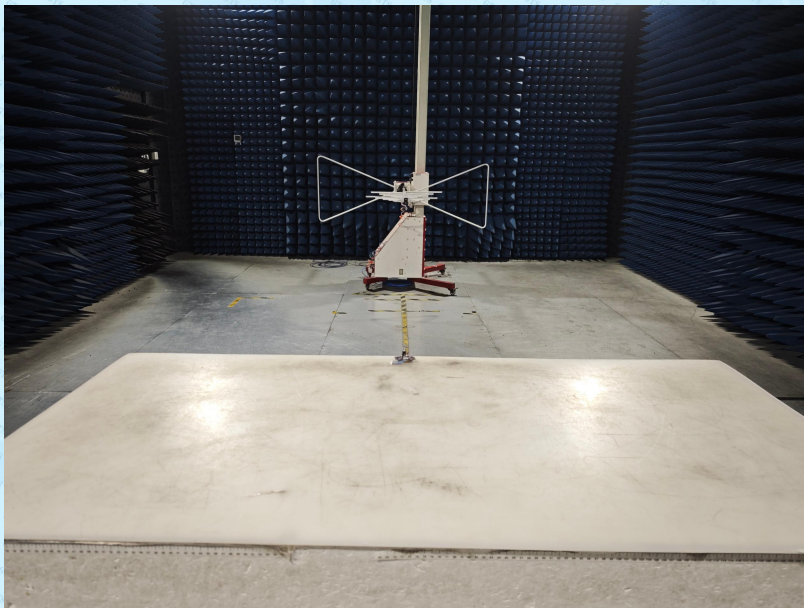
Measurement Record:

Frequency	Level	Modulation	Antenna Polarization	EUT Face	Observations (Performance Criterion)	Result
80 MHz-1 GHz	3 V/m	1 kHz, 80 % Amp. Mod, 1 % increment, dwell time=3seconds	V	Front	A	Pass
			H		A	Pass
			V	Rear	A	Pass
			H		A	Pass
			V	Left	A	Pass
			H		A	Pass
			V	Right	A	Pass
			H		A	Pass
			V	Top	A	Pass
			H		A	Pass
			V	Bottom	A	Pass
			H		A	Pass
1800MHz, 2600MHz 3500MHz 5000MHz	3 V/m	1 kHz, 80 % Amp. Mod, 1 % increment, dwell time=2seconds	V	Front	A	Pass
			H		A	Pass
			V	Rear	A	Pass
			H		A	Pass
			V	Left	A	Pass
			H		A	Pass
			V	Right	A	Pass
			H		A	Pass
			V	Top	A	Pass
			H		A	Pass
			V	Bottom	A	Pass
			H		A	Pass

Remark: Performance Criteria: A, B, C: Refer to section 8.1 for details

9 Test Setup Photo

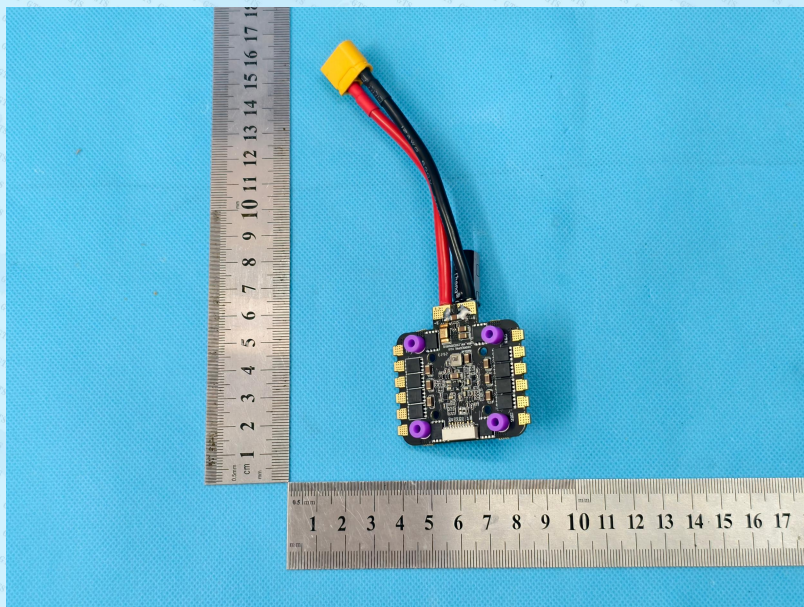
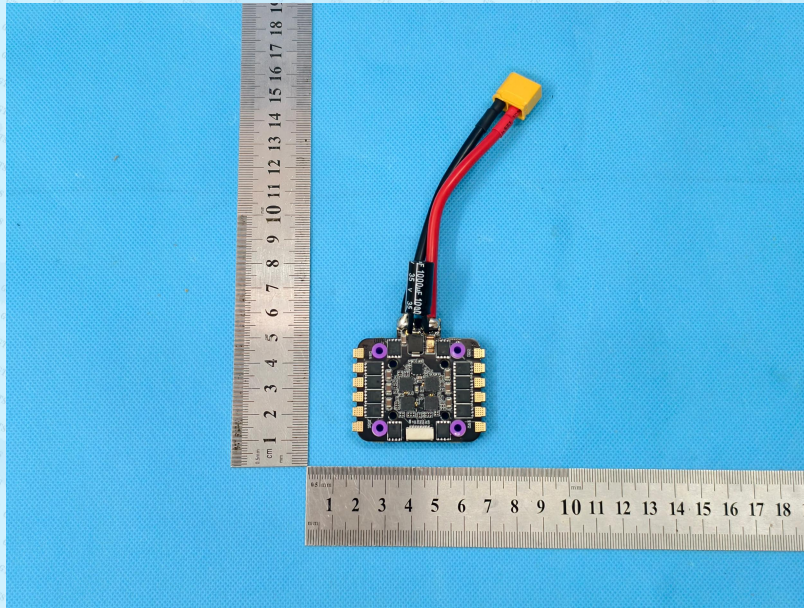
Radiated Emission

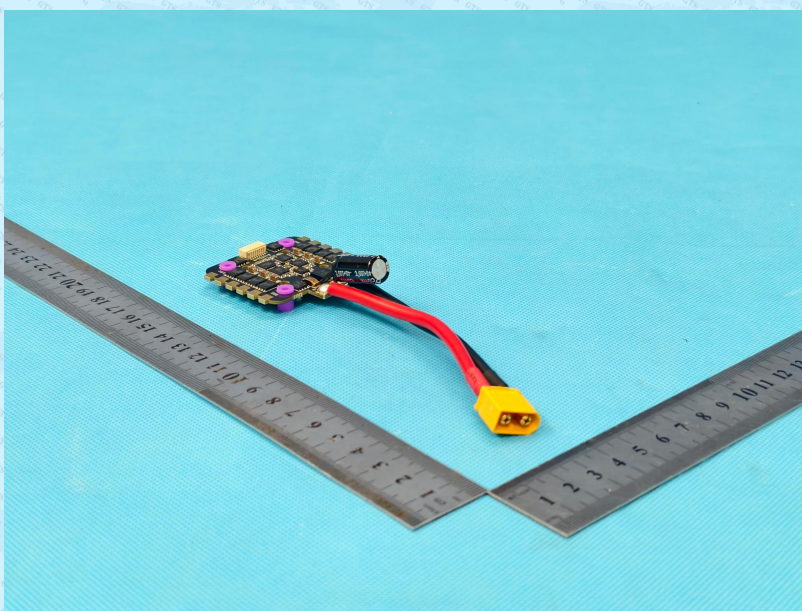
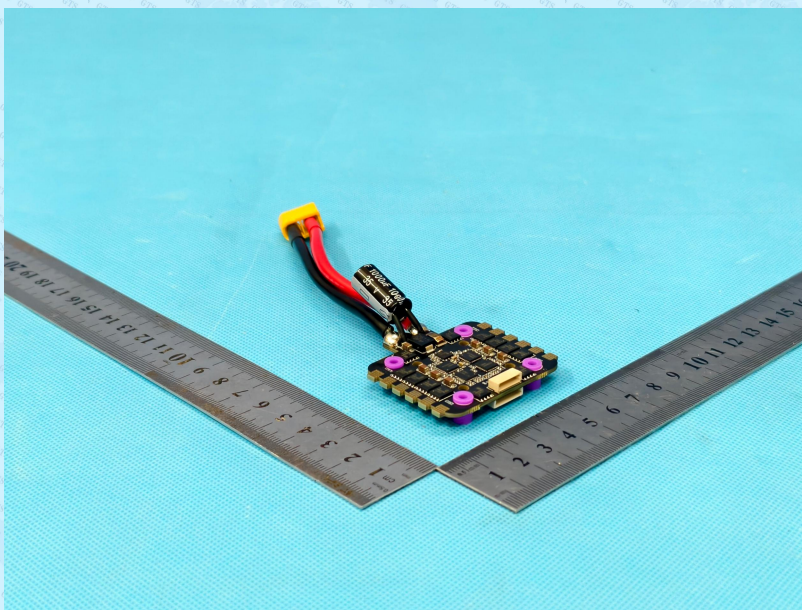


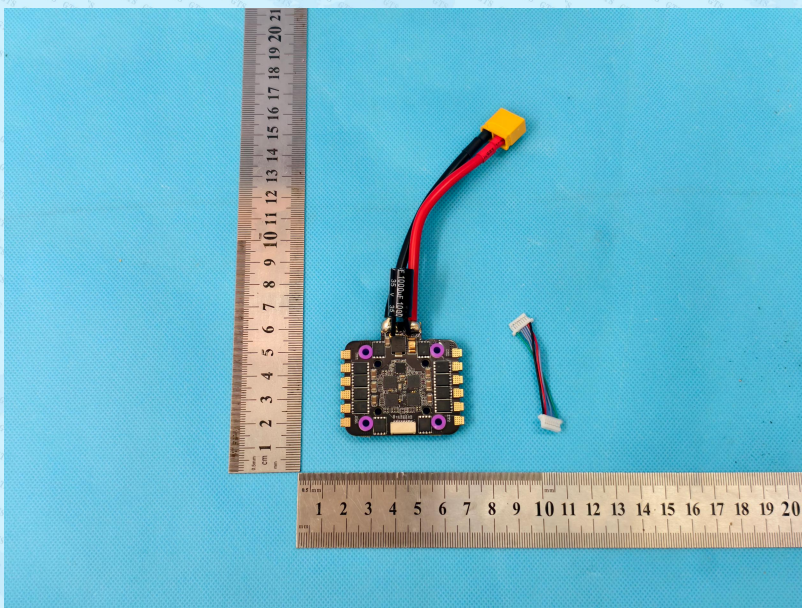
Electrostatic discharge



10 EUT Constructional Details







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