TEST REPORT

Product Name	:	DC Combiner Box
Brand Name	:	ESol
Model	:	QDCS-DC2-3~12
Series Model	:	QDCS-DC2-5~6,QDCS-DC2-3~4
Applicant	:	**CESol d.o.o.**
Address	:	Krpanova ulica 7, SI-6000 Koper – Capodistria Slovenia
Manufacturer	:	**Guorui Intelligent Manufacturing (Shenzhen) Electric Co., Ltd.**
Address	:	No. 3, Dayang 2nd Road, Yulv Community, Yutang Subdistrict, Guangming District, Shenzhen City, Guangdong Province, P.R.China
Standard(s)	:	EN IEC 61000-6-2:2019 EN IEC 61000-6-4:2019
Date of Receipt	:	Jun.08, 2026
Date of Test	:	Jun.08, 2026~ Jun.10, 2026
Issued Date	:	Jun.10, 2026

Issued By: **Guangdong Asia Hongke Test Technology Limited**

B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

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Reviewed by: James.Pan **Approved by:** Allen.Wang

Note: This device has been tested and found to comply with the standard(s) listed, this test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory. This report shall not be reproduced except in full, without the written approval of Guangdong Asia Hongke Test Technology Limited. If there is a need to alter or revise this document, the right belongs to Guangdong Asia Hongke Test Technology Limited, and it should give a prior written notice of the revision document. This test report must not be used by the client to claim product endorsement.

Report Revise Record

Report Version	Issued Date	Notes
M0	Jun.10, 2026	Initial Release

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1 TEST SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

EN IEC 61000-6-4:2019 Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments

EN IEC 61000-6-2:2019 Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments

1.2 Test Summary

Test Items	Test Method	Result
Conducted Emission	EN IEC 61000-6-4:2019	PASS
Radiated Emission	EN IEC 61000-6-4:2019	PASS
Harmonic Current Emissions	EN IEC 61000-3-2:2019+A2:2024	N/A
Voltage Fluctuations and Flicker	EN 61000-3-3:2013+A2:2021+AC:2022-01	N/A
Electrostatic Discharge	EN 61000-4-2: 2009 EN IEC 61000-6-2:2019	PASS
RF Electromagnetic Field	EN IEC 61000-4-3:2020 EN IEC 61000-6-2:2019	PASS
Fast Transients Common Mode	EN 61000-4-4: 2012 EN IEC 61000-6-2:2019	N/A
Surges	EN 61000-4-5: 2014+A1: 2017 EN IEC 61000-6-2:2019	N/A
RF Common Mode 0,15 MHz to 80 MHz	EN 61000-4-6: 2014+AC:2015 EN IEC 61000-6-2:2019	N/A
Voltage Dips and Interruptions	EN IEC 61000-4-11:2020+AC:2022 EN IEC 61000-6-2:2019	N/A
Power Frequency magnetic Field	EN 61000-4-8:2010 EN IEC 61000-6-2:2019	N/A

1.3 Test Facility

Test Laboratory:
Guangdong Asia Hongke Test Technology Limited
B1/F, Building 11, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

The test facility is recognized, certified or accredited by the following organizations:
FCC-Registration No.: 251906 Designation Number: CN1376
Guangdong Asia Hongke Test Technology Limited 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 our files.

IC —Registration No.: 31737 CAB identifier: CN0165
The 3m Semi-anechoic chamber of Guangdong Asia Hongke Test Technology Limited has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 31737

A2LA-Lab Cert. No.: 7133.01
Guangdong Asia Hongke Test Technology Limited has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

1.4 Measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report according to CISPR 16 - 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the Guangdong Asia Hongke Test Technology Limited’s quality system according to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.
Hereafter the best measurement capability for Asia Hongke laboratory is reported:

Test	Range	Measurement Uncertainty	Notes
Power Line Conducted Emission	150KHz~30MHz	±1.20 dB	(1)
Disturbance Power Emission	30MHz~300MHz	±2.96 dB	(1)
Radiated Emission Test	30MHz~1GHz	±3.75 dB	(1)
Radiated Emission Test	1GHz~18GHz	±3.88 dB	(1)

The report uncertainty of measurement y ± U, where expanded uncertainty U is based on a standard uncertainty Multiplied by a coverage factor of k=2 , providing a level of confidence of approximately 95%

2 GENERAL INFORMATION

2.1 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	15°C -35°C
Relative Humidity	35%-55 %
Air Pressure	101KPa

2.2 General Description of EUT

Product Name:	DC Combiner Box
Model/Type reference:	QDCS-DC2-3~12
Serial Model:	QDCS-DC2-5~6,QDCS-DC2-3~4
Model difference:	All model names and appearances are different from the samples, but the structure and circuit are the same.
Power Ratings:	DC1000V,25A
Hardware Version:	N/A
Software Version:	N/A

2.3 Description of Test Modes

Equipment under test was operated during the measurement under the following conditions:

Test mode	Description
Mode 1	Working（maximum power）
Mode 2	Idle

Scan above all test mode, found below test mode which it was worse case mode. Test results reported represents the worst-case condition.

Test item	Test mode
Conducted emission	Mode 1
Radiated emission	Mode 1
EMS	All modes

2.4 Special Accessories

Follow auxiliary equipment(s) test with EUT that provided by the manufacturer or laboratory is listed as follow:

Description	Manufacturer	Model	Serial No.	Provided by	Other
/	/	/	/	/	/
/	/	/	/	/	/

2.5 Equipment List for the Test

☒ **Radiation Emission Test Equipment (AiT 966 chamber)**

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
1	EMI Measuring Receiver	R&S	ESR	101160	2025.09.23	2026.09.22
2	Low Noise Pre Amplifier	SCHWARZBECK	BBV 9745	00282	2025.09.23	2026.09.22
3	Low Noise Pre Amplifier	COM-MW	DLAN8-18000-40000-1066	08233242	2025.06.26	2026.06.25
4	Low Noise Pre Amplifier	COM-MW	DLAN8-1000-18000-1021	05231256	2025.06.26	2026.06.25
5	Spectrum Analyzer	R&S	FSV40	101470	2025.09.23	2026.09.22
6	Passive Loop	ETS	6512	00165355	2024.08.29	2026.08.28
7	TRILOG Super Broadband test Antenna	SCHWARZBECK	VULB9168	01434	2024.08.29	2026.08.28
8	Broadband Horn Antenna	Schwarzbeck	BBHA 9120D	452	2024.08.29	2026.08.28
9	6dB Attenuator	JFW	50FPE-006	4360846-949-1	2025.09.23	2026.09.22
10	Filter	MICRO-TRONICS	BRM50702-02	16	2025.09.23	2026.09.22
11	Filter	MICRO-TRONICS	BRC50703-02	17	2025.09.23	2026.09.22
12	Filter	MICRO-TRONICS	BRC50705-02	18	2025.09.23	2026.09.22
13	RE Software	EZ	EZ-EMC_RE	Ver.AIT-03A	N/A	N/A

☒ **Conducted Emission Test Equipment (AiT shiled room)**

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
1	EMI Test Receiver	R&S	ESPI	100771	2025.09.23	2026.09.22
2	LISN	R&S	NNLK 8129	8130179	2025.09.23	2026.09.22
3	ISN	TESEQ	T800	29429	2025.09.23	2026.09.22
4	Pulse Limiter	R&S	ESH3-Z2	102789	2025.09.23	2026.09.22
5	CE Software	EZ	EZ-EMC_CE	Ver.AIT-03A	N/A	N/A

☒ **ESD Test Equipment**

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
1	ESD Simulator	Schloder	SESD 30000	509325	2025.09.23	2026.09.22

☒ R/S Test Equipment						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
1	MXG analog signal generator	Agilent	N5181A	MY46240859	2025.09.23	2026.09.22
2	Power Amplifier	Schaffner	CBA9433	T43574	2025.09.23	2026.09.22
3	Power Amplifier	Schaffner	CBA9409	T43605	2025.09.23	2026.09.22
4	Power Amplifier	Micotop	MPA-3000-6000-50	MPA03724	2025.09.23	2026.09.22
5	Logarithmic-periodic Antenna	Schwarzbeck	VULP9118E	820	2025.09.23	2026.09.22
6	Broadband Horn Antenna	Schwarzbeck	BBHA 9120LF	255	2025.09.23	2026.09.22
7	Power meter	Agilent	E4419B	MY45102079	2025.09.23	2026.09.22
8	Power sensor	Agilent	8481A	MY41097696	2025.09.23	2026.09.22
9	Power sensor	Agilent	8481A	MY41097697	2025.09.23	2026.09.22
10	RF Relay matrix	tsj	RFM-S621	04261	2025.09.23	2026.09.22
11	R/S Software	TEPTO	TEPTP-RS	4.07.0017	N/A	N/A

Note: ☐ is not applicable in this Test Report. ☒ is applicable in this test report.

3 TEST CONDITIONS AND RESULTS

3.1 EMC EMISSION TEST

3.1.1 Conducted Emission

LIMIT

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note: (1)The tighter limit applies at the band edges.

(2)The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

TEST PROCEDURE

a) The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

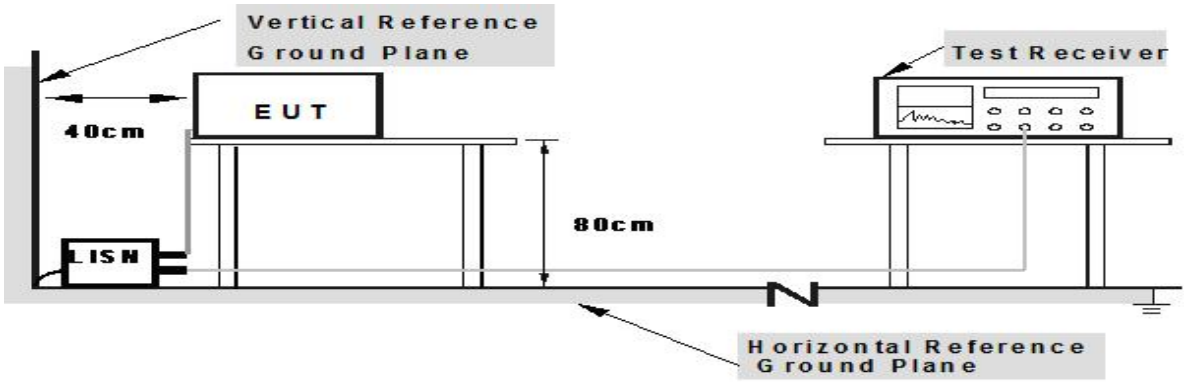
b) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

c) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

d) LISN at least 80 cm from nearest part of EUT chassis.

e) For the actual test configuration, please refer to the related Item –EUT Test Photos.

TEST SETUP



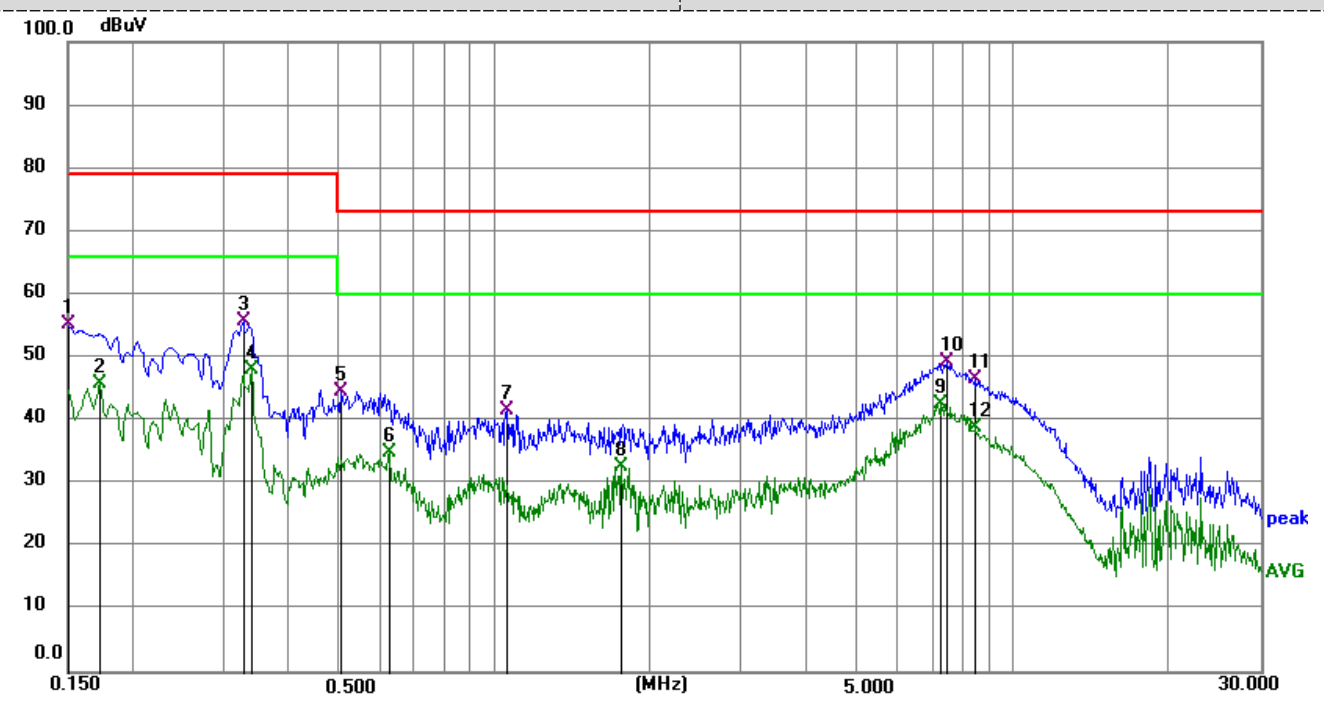
Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

TEST RESULTS

------Passed------

Please refer to the below test data:

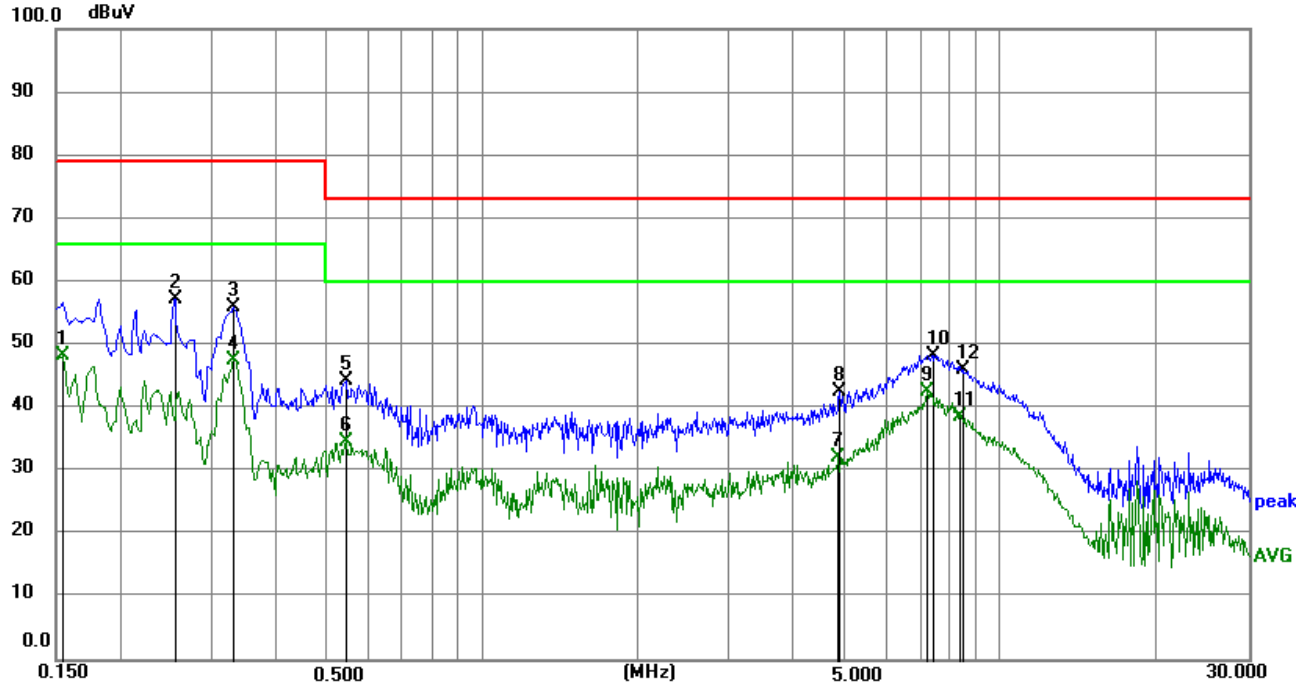
Line:	L



Remark: Correct Factor = Insertion loss of LISN + Cable loss + Insertion loss of Pulse Limiter;
Measurement Result = Reading Level +Correct Factor;
Margin = Measurement Result- Limit

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1500	42.97	12.29	55.26	79.00	-23.74	QP
2	0.1725	34.63	11.09	45.72	66.00	-20.28	AVG
3	0.3255	44.64	11.06	55.70	79.00	-23.30	QP
4	0.3390	36.84	11.06	47.90	66.00	-18.10	AVG
5	0.5055	33.57	11.06	44.63	73.00	-28.37	QP
6	0.6270	23.70	11.04	34.74	60.00	-25.26	AVG
7	1.0590	30.51	11.07	41.58	73.00	-31.42	QP
8	1.7610	21.58	11.05	32.63	60.00	-27.37	AVG
9	7.2825	31.45	11.17	42.62	60.00	-17.38	AVG
10	7.4760	38.06	11.18	49.24	73.00	-23.76	QP
11	8.4795	35.42	11.19	46.61	73.00	-26.39	QP
12	8.4795	27.52	11.19	38.71	60.00	-21.29	AVG

Line:	N



Remark: Correct Factor = Insertion loss of LISN + Cable loss + Insertion loss of Pulse Limiter;
Measurement Result = Reading Level +Correct Factor;
Margin = Measurement Result- Limit

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1545	36.52	11.64	48.16	66.00	-17.84	AVG
2	0.2535	46.27	10.99	57.26	79.00	-21.74	peak
3	0.3300	44.96	10.99	55.95	79.00	-23.05	peak
4	0.3300	36.58	10.99	47.57	66.00	-18.43	AVG
5	0.5460	33.36	11.00	44.36	73.00	-28.64	peak
6	0.5460	23.51	11.00	34.51	60.00	-25.49	AVG
7	4.8659	21.16	11.07	32.23	60.00	-27.77	AVG
8	4.8750	31.37	11.07	42.44	73.00	-30.56	peak
9	7.2105	31.54	11.09	42.63	60.00	-17.37	AVG
10	7.4220	37.18	11.10	48.28	73.00	-24.72	peak
11	8.3490	27.49	11.11	38.60	60.00	-21.40	AVG
12	8.4614	34.83	11.11	45.94	73.00	-27.06	peak

3.1.2 Radiated Emission

LIMIT

LIMITS OF RADIATED EMISSION MEASUREMENT (Below 1000MHz)

FREQUENCY (MHz)	Class A(at 3m)	Class B (at 3m)
	dBuV/m	dBuV/m
30 – 230	50	40
230 – 1000	57	47

LIMITS OF RADIATED EMISSION MEASUREMENT(Above 1000MHz)

FREQUENCY (MHz)	Class A (at 3m) dBuV/m		Class B (at 3m) dBuV/m	
	Peak	Avg	Peak	Avg
1000-3000	76	56	70	50
3000-6000	80	60	74	54

Notes: (1)The limit for radiated test was performed according to as following:
EN IEC 61000-6-4:2019
(2)The tighter limit applies at the band edges.

TEST PROCEDURE

a) The EUT was placed on the top of a rotating table 3 meters away from the receiver antenna and 0.8 meters above the ground at a 9X9X6 anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b) The height of the equipment shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

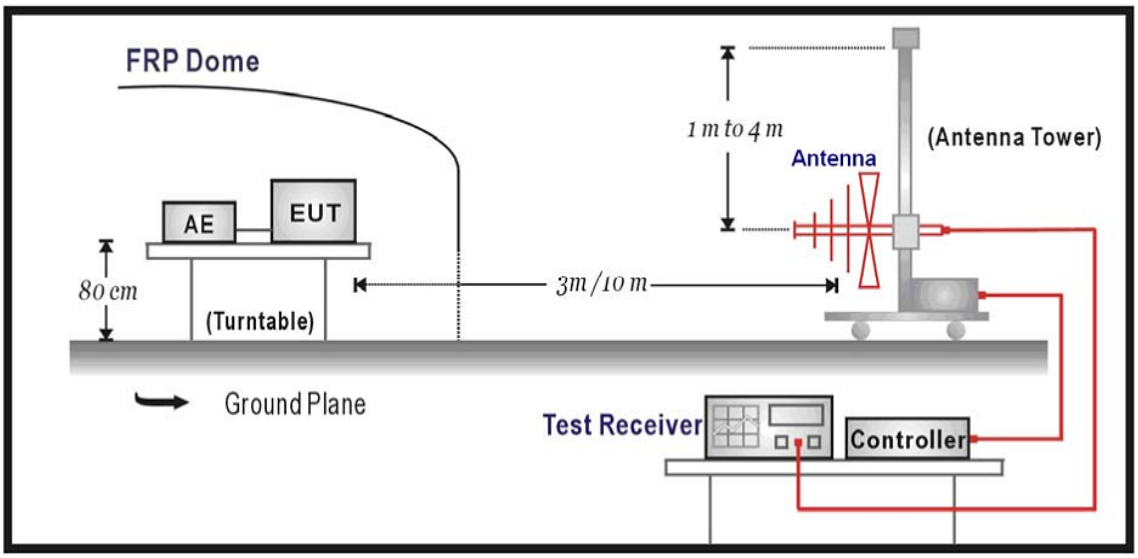
c) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak/Average detector mode re-measured.

d) If the Peak Mode measured value compliance with and lower than Quasi Peak/Average Mode Limit, the EUT shall be deemed to meet QP/AV Limits and then no additional QP/AV Mode measurement performed.

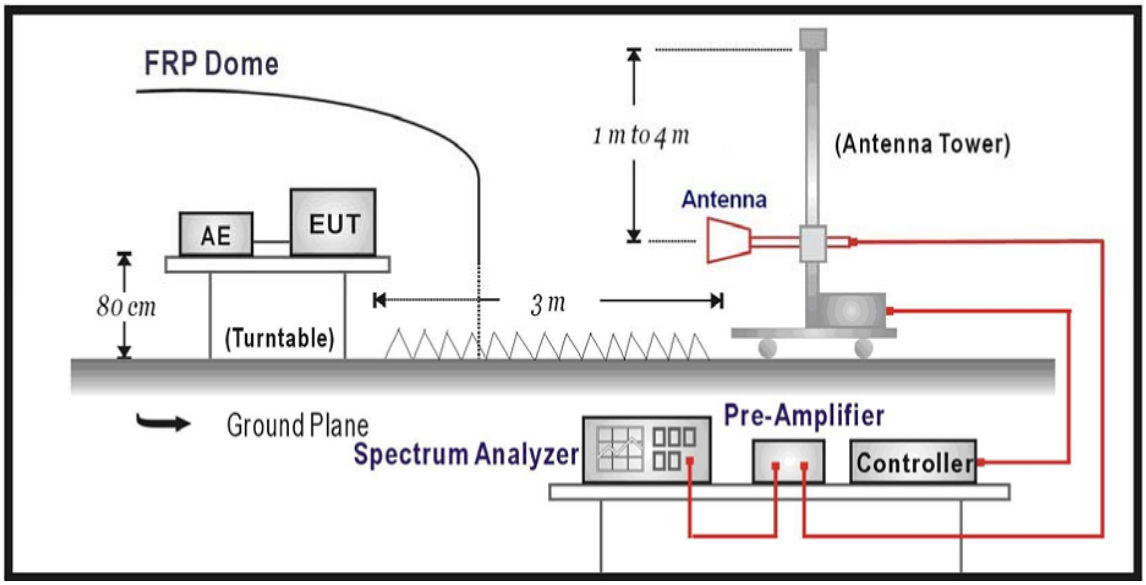
e) For the actual test configuration, please refer to the related Item –EUT Test Photos.

TEST SETUP

Below 1GHz



Above 1GHz



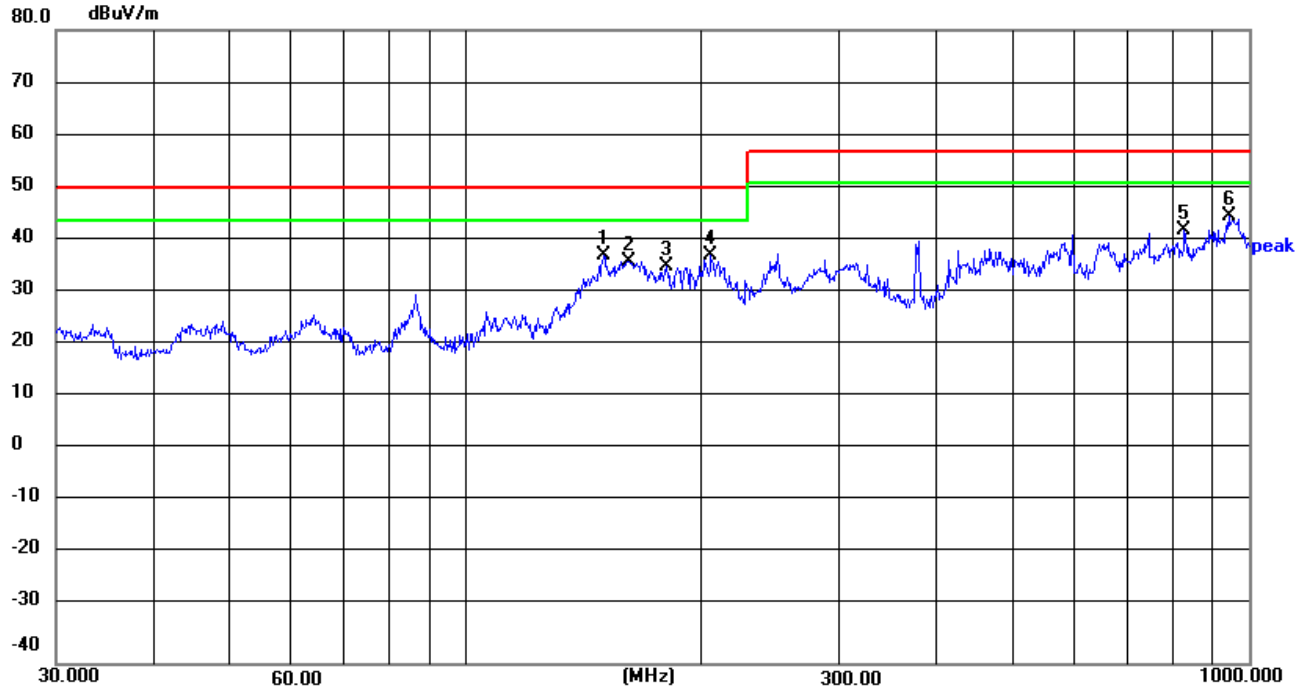
TEST RESULTS

------Passed------

Please refer to the below test data:

30MHz-1GHz

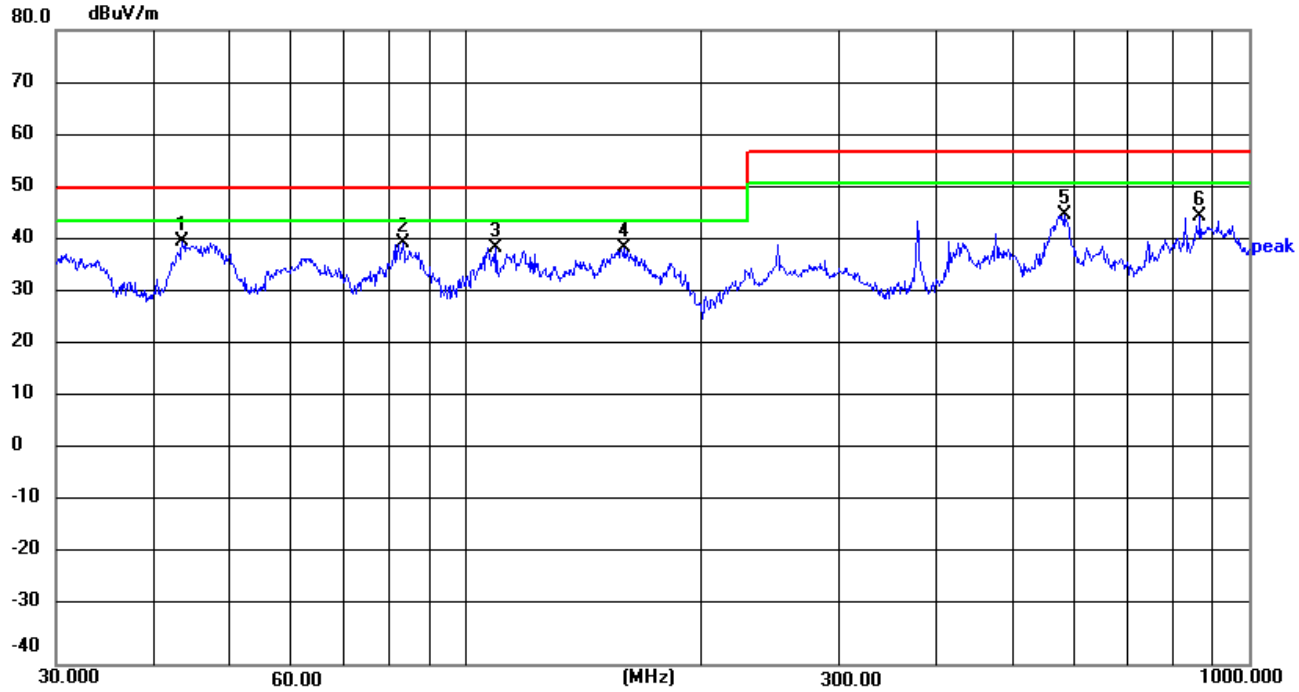
Polarization:	Horizontal



Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Measurement Result=Reading Level +Correct Factor;
Over Limit= Measurement Result- Limit;

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	150.0108	46.23	-9.00	37.23	50.00	-12.77	QP
2	161.4740	45.37	-9.12	36.25	50.00	-13.75	QP
3	180.6488	46.03	-10.74	35.29	50.00	-14.71	QP
4	205.6750	49.25	-11.98	37.27	50.00	-12.73	QP
5	827.4934	37.62	4.40	42.02	57.00	-14.98	QP
6	942.1304	39.04	5.70	44.74	57.00	-12.26	QP

Polarization:	Vertical



Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.
Measurement Result=Reading Level +Correct Factor;
Margin = Measurement Result- Limit;

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	43.5057	49.35	-9.42	39.93	50.00	-10.07	QP
2	83.2298	53.42	-13.73	39.69	50.00	-10.31	QP
3	109.4116	51.48	-12.60	38.88	50.00	-11.12	QP
4	159.7844	47.84	-9.02	38.82	50.00	-11.18	QP
5	580.7026	46.55	-1.41	45.14	57.00	-11.86	QP
6	866.0880	39.68	5.15	44.83	57.00	-12.17	QP

3.2 EMC IMMUNITY TEST

3.2.1 Immunity Performance criteria

EN IEC 61000-6-2:2019

General performance criteria

General performance criteria are defined in Clauses 8.2, 8.3 and 8.4. These criteria shall be used during the testing of primary functions where no relevant annex is applicable.

When assessing the impact of a disturbance on a function, the assessment should take into consideration the function's performance prior to the application of the disturbance and only indentify is failures those changes in performance that are a result of the disturbance.

Performance criterion A

The equipment shall continue to operate as intended without operator interception. No degradation of performance, loss of function or change of operation 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.

Performance 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, the 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.

Performance 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.

3.2.2 Monitoring EUT during Immunity Test

Monitoring for Continuous Phenomena Applied to the EUT

During and after the test, observe the Screen status by eyes or monitor to see whether there is degration of performance

Monitoring for Transient Phenomena Applied to the EUT

After the test, observe the Screen status by eyes or monitor to see whether there is degration of performance.

3.2.3 Electrostatic Discharge

TEST SPECIFICATION

Basic Standard:	EN 61000-4-2
Discharge Impedance:	330 ohm / 150 pF
Required Performance	B
Discharge Voltage:	Air Discharge:2kV/4kV/8kV (Direct) Contact Discharge:2kV/4kV (Direct/Indirect)
Polarity:	Positive & Negative
Number of Discharge:	Air Discharge: min. 20 times at each test point Contact Discharge: min. 200 times in total
Discharge Period:	1 second minimum

TEST PROCEDURE

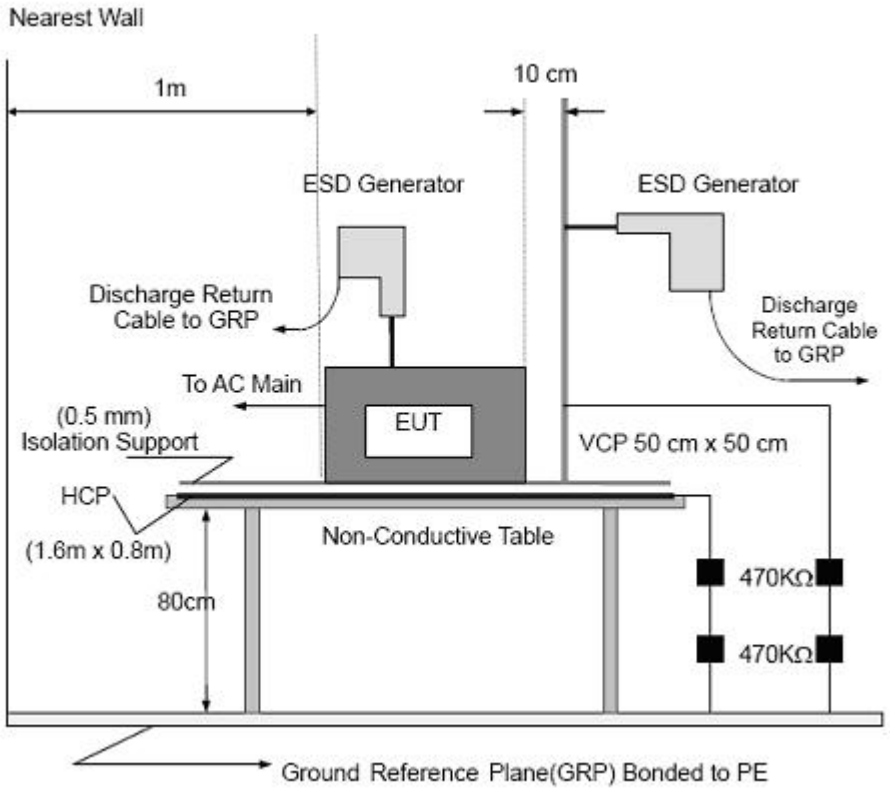
The test generator necessary to perform direct and indirect application of discharges to the EUT in the following manner:

a) Contact discharge was applied to conductive surfaces and coupling planes of the EUT. During the test, it was performed with single discharges. For the single discharge time between successive single discharges was at least 1 second. The EUT shall be exposed to at least 200 discharges, 100 each at negative and positive polarity, at a minimum of four test points. One of the test points shall be subjected to at least 50 indirect discharges to the center of the front edge of the horizontal coupling plane. The remaining three test points shall each receive at least 50 direct contact discharges.
If no direct contact test points are available, then at least 200 indirect discharges shall be applied in the indirect mode. Test shall be performed at a maximum repetition rate of one discharge per second.
Vertical Coupling Plane (VCP):
The coupling plane, of dimensions 0.5m x 0.5m, is placed parallel to, and positioned at a distance 0.1m from, the EUT, with the Discharge Electrode touching the coupling plane. The four faces of the EUT will be performed with electrostatic discharge.
Horizontal Coupling Plane (HCP):
The coupling plane is placed under to the EUT. The generator shall be positioned vertically at a distance of 0.1m from the EUT, with the Discharge Electrode touching the coupling plane. The four faces of the EUT will be performed with electrostatic discharge.

b) Air discharges at insulation surfaces of the EUT. It was at least ten single discharges with positive and negative at the same selected point.

c) For the actual test configuration, please refer to the related Item –EUT Test Photos.

TEST SETUP



Note:

TABLE-TOP EQUIPMENT

The configuration consisted of a wooden table 0.8 meters high standing on the Ground Reference Plane. The GRP consisted of a sheet of aluminum at least 0.25mm thick, A Horizontal Coupling Plane (1.6m x 0.8m) was placed on the table and attached to the GRP by means of a cable with 940k total impedance. The equipment under test, was installed in a representative system as described in section 7 of EN 61000-4-2, and its cables were placed on the HCP and isolated by an insulating support of 0.5mm thickness. A distance

of1-meter minimum was provided between the EUT and the walls of the laboratory and any other metallic structure.

FLOOR-STANDING EQUIPMENT

The equipment under test was installed in a representative system as described in section 7 of EN IEC 61000-4-2, and its cables were isolated from the Ground Reference Plane by an insulating support of0.1-meter thickness. The GRP consisted of a sheet of aluminum that is at least 0.25mm thick, and 2.5meters square connected to the protective grounding system and extended at least 0.5 meters from the EUT on all sides.

TEST RESULTS

------Passed------

Please refer to the below test data:

Direct discharge				
Type of discharge	Discharge voltage (KV)	Observations Performance	Criteria Limit	Result
Contact discharge	±2	N/A*	B	Pass
	±4	N/A*	B	
Air discharge	±2	A*	B	
	±4	A *	B	
	±8	B*	B	
Indirect discharge				
Type of discharge	Discharge voltage (KV)	Observations Performance	Criteria Limit	Result
HCP (6 sides)	±2	A*	B	Pass
	±4	A*	B	
VCP (4 sides)	±2	A*	B	
	±4	A*	B	

Note:

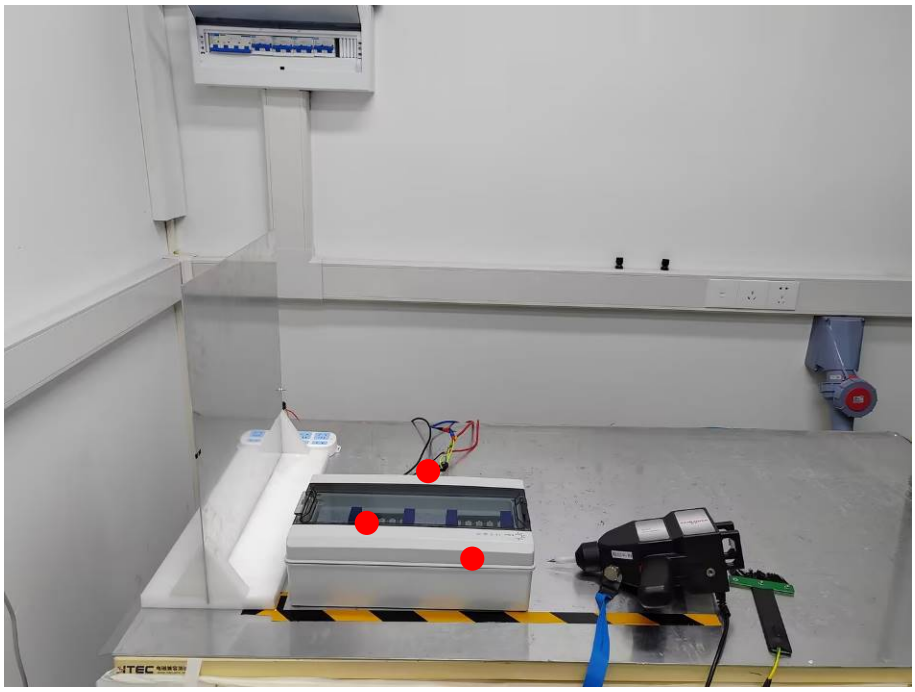
*A** *The EUT can maintain communication link and not operate unintentionally during the test also can operate without any loss of user control functions after test.*

*B** *The EUT loss communication link a while and not operate unintentionally during the test also can link can be self-recoverable after test.*

*C** *The EUT loss communication link a while and not operate unintentionally during the test also can link can manually recovered after test.*

*N/A** *No such discharge point found.*

● Contact discharge ● Air discharge



TEST SPECIFICATION

Basic Standard:	EN IEC 61000-4-3
Required Performance	A
Frequency Range:	80 MHz -6000 MHz
Field Strength:	3 V/m
Modulation:	1kHz Sine Wave, 80%, AM Modulation
Frequency Step:	1 % of fundamental
Polarity of Antenna:	Horizontal and Vertical
Test Distance:	3m
Antenna Height:	1.5 m
Dwell Time:	at least 3 seconds

TEST PROCEDURE

The EUT and support equipment, which are placed on a table that is 0.8 meter above ground and the testing was performed in a fully-anechoic chamber. The testing distance from antenna to the EUT was 3 meters. The other condition as following manner:

a) The field strength level was 3V/m.

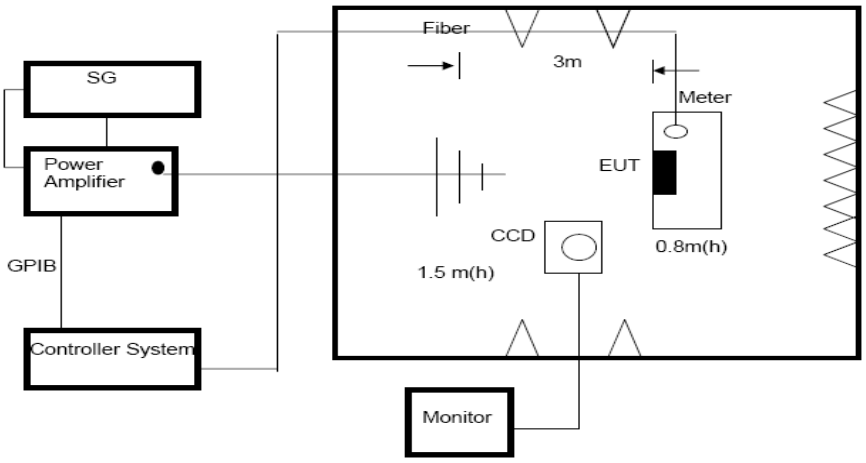
b) The frequency range is swept from 80 MHz to 6000 MHz with the signal 80% amplitude modulated with a 1kHz sine wave. The rate of sweep did not exceed 1.5x 10-3 decade/s. Where the frequency range is swept incrementally, the step size was 1% of fundamental.

c) The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond.

d) The test was performed with the EUT exposed to both vertically and horizontally polarized fields on each of the four sides.

e) For the actual test configuration, please refer to the related Item –EUT Test Photos.

TEST SETUP



Note:

TABLE-TOP EQUIPMENT

The EUT installed in a representative system as described in section 7 of EN IEC 61000-4-3 was placed on a non-conductive table 0.8 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.

FLOOR-STANDING EQUIPMENT

The EUT installed in a representative system as described in section 7 of EN IEC 61000-4-3 was placed on a non-conductive wood support 0.1 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.

TEST RESULTS

------Passed------

Please refer to the below test data:

All other modes:

Frequency Range (MHz)	RF Field Position	R.F. Field Strength	Azimuth	Observations Performance	Criteria Limit	Result
80~6000	H / V	3 V/m (rms) AM Modulated 1000Hz, 80%	Front	A*	A	PASS
			Rear	A*	A	
			Left	A*	A	
			Right	A*	A	

Note:

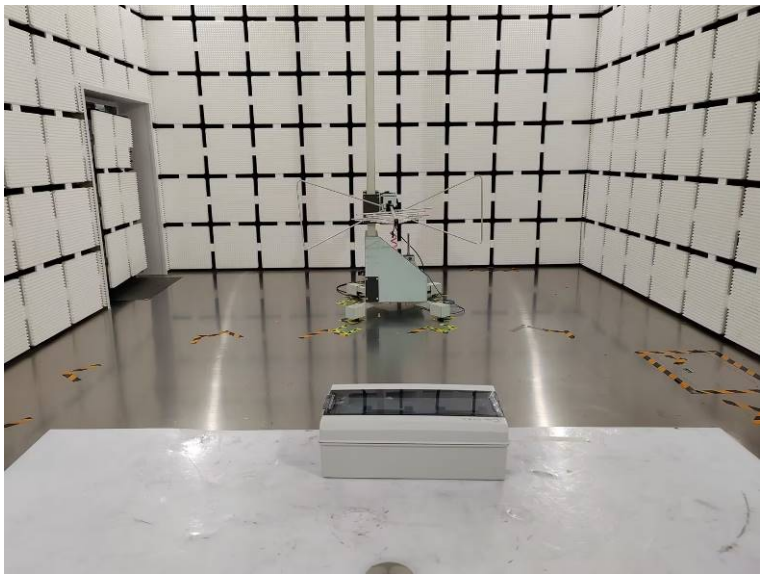
A The EUT can maintain communication link and not operate unintentionally during the test also can operate without any loss of user control functions after test.*

B The EUT loss communication link a while and not operate unintentionally during the test also can link can be self-recoverable after test.*

C The EUT loss communication link a while and not operate unintentionally during the test also can link can manually recovered after test.*

4 TEST SETUP PHOTOS

Radiated Emission



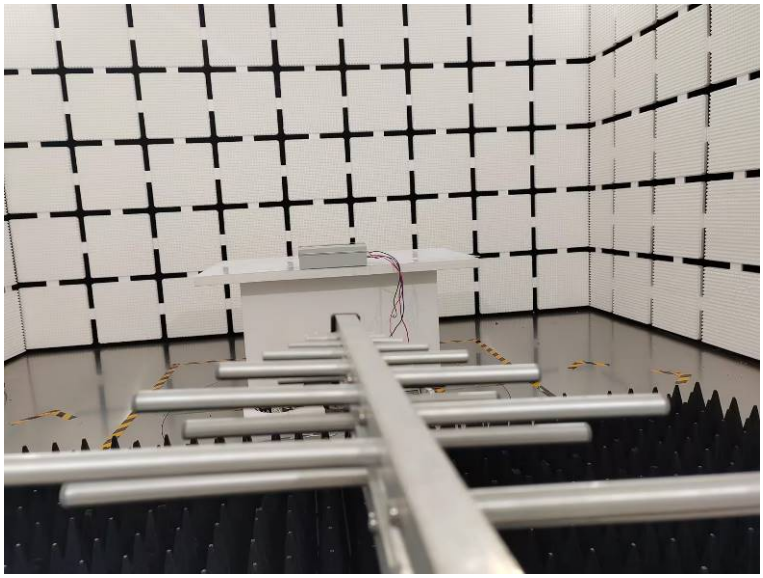
Conducted disturbance (DC main)



Electrostatic discharge



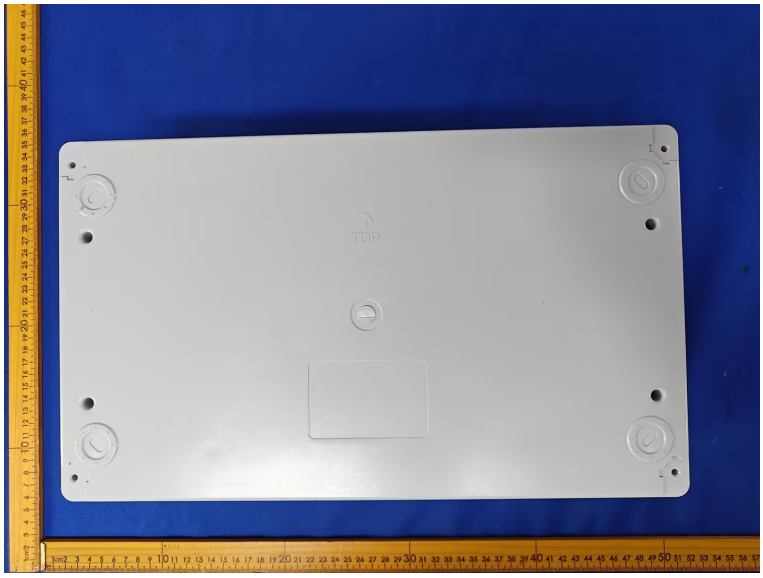
RF Electromagnetic Field

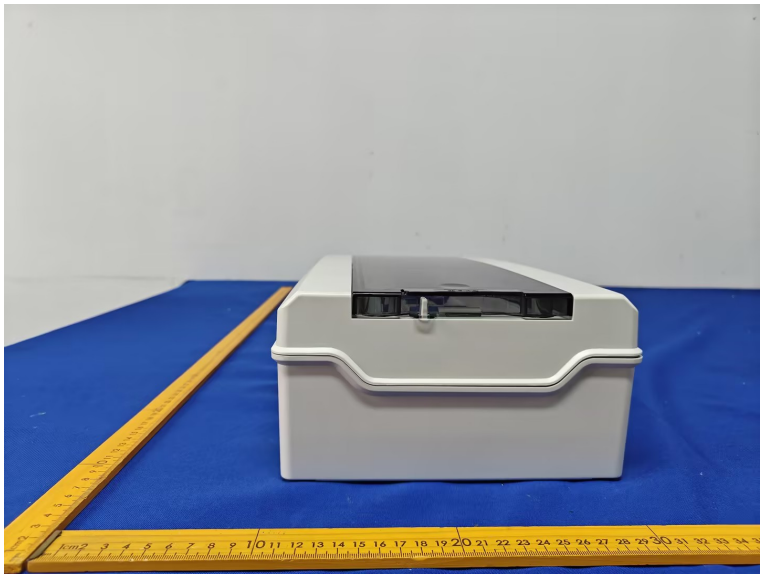


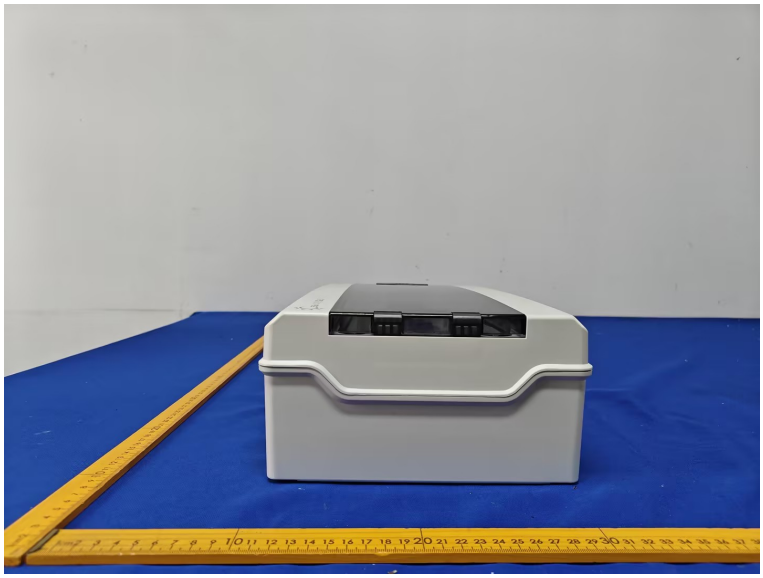
5 PHOTOS OF THE EUT

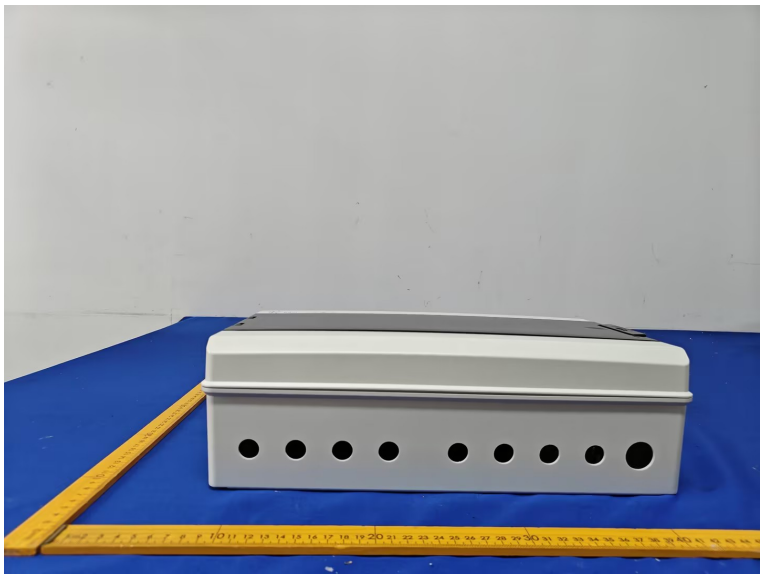
External Photos

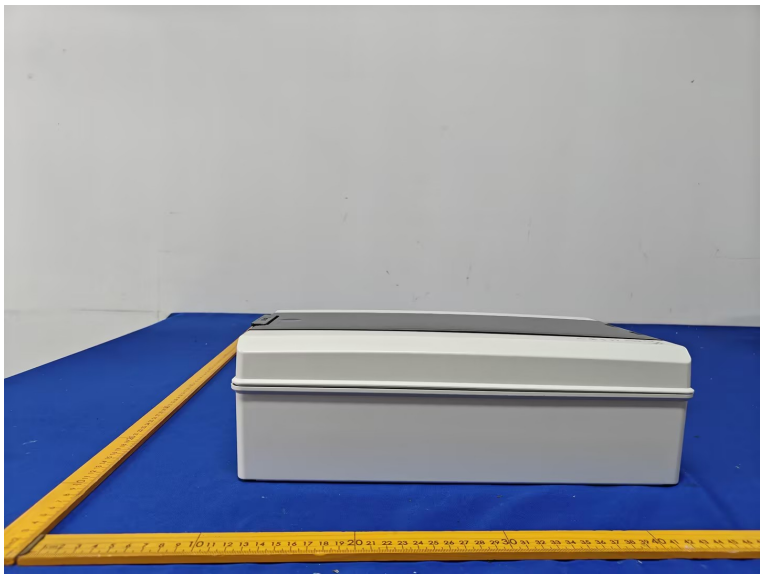












********** End of Report **********