



TEST REPORT

Reference No. : WTU26D02040333W001
Manufacturer* : Coolr Group Inc
Address : 4451 Brookfield Corporate Dr. Suite 111, Chantilly, VA 20151, USA
Factory : MIOT Wireless Solutions Co., Ltd.
Address : Room 602, Building No.14, InnoWing Valley, No.135 Zhangji Road,
Kunshan, Suzhou, Jiangsu, China.
Product : VistaZ
PMN : VistaZ Power, VistaZ Go
Model(s) : CVP-0401, CVG-0401
Standards : BS EN 55032:2015+A1:2020
BS EN 55035:2017+A11:2020
Date of Receipt Sample ... : 2026-02-26
Date of Test : 2026-03-11 to 2026-03-24
Date of Issue : 2026-03-31
Test Result : **Pass**

Remarks:

1. The 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. “*” **manufacturer** means any natural or legal person who manufactures radio equipment or has radio equipment designed or manufactured, and markets that equipment under his name or trade mark.

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1 Contents

	Page
COVER PAGE	1
1 CONTENTS	2
2 REVISION HISTORY	3
3 GENERAL INFORMATION	4
3.1 GENERAL DESCRIPTION OF E.U.T.	4
3.2 DETAILS OF E.U.T.	4
3.3 SUBCONTRACTED	4
3.4 ABNORMALITIES FROM STANDARD CONDITIONS.....	4
4 TEST SUMMARY	5
5 EQUIPMENT USED DURING TEST	6
5.1 EQUIPMENT LIST	6
5.2 DESCRIPTION OF SUPPORT UNITS	7
5.3 MEASUREMENT UNCERTAINTY.....	7
5.4 TEST MODE	8
6 EMISSION TEST RESULTS	9
6.1 RADIATED EMISSIONS, 30-1000MHZ.....	9
6.2 RADIATION EMISSION, ABOVE 1000MHZ.....	12
7 IMMUNITY TEST RESULTS	16
7.1 PERFORMANCE CRITERIA	16
7.2 ELECTROSTATIC DISCHARGE (ESD)	17
7.3 RADIO-FREQUENCY ELECTROMAGNETIC FIELDS	19
8 PHOTOGRAPHS-TEST SETUP	21
8.1 PHOTOGRAPH-RADIATION EMISSION TEST SETUP 30MHZ-1000MHZ	21
8.2 PHOTOGRAPH -RADIATION EMISSION TEST SETUP FOR ABOVE 1GHZ	21
8.3 PHOTOGRAPH - ESD IMMUNITY TEST SETUP.....	22
8.4 PHOTOGRAPH -RADIO-FREQUENCY ELECTROMAGNETIC FIELDS TEST SETUP.....	22
9 PHOTOGRAPHS-CONSTRUCTIONAL DETAILS	24



2 Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTU26D02040333W001	2026-02-26	2026-03-11 to 2026-03-24	2026-03-31	Original	-	Valid

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3 General Information

3.1 General Description of E.U.T.

Product : VistaZ

Model(s) : CVP-0401, CVG-0401

Model Description : Only the model name, power supply configurations and PMN are different.
These devices will be listed in the application under the following exact model numbers:
CVP-0401 (Marketed as: VistaZ Power)
CVG-0401 (Marketed as: VistaZ Go)
The only differences between these two models are strictly related to the power supply configurations:
CVP-0401 utilizes a DC power input of up to 24V and includes an internal battery for backup power.
CVG-0401 utilizes [3xAA batteries based power supply without the 24V DC input].
The model CVP-0401 was tested in this report.

3.2 Details of E.U.T.

Ratings : DC 12-24V for CVP-0401

Battery : DC 3.7V by battery for CVP-0401
DC 4.5V by 3*AA battery for CVG-0401

3.3 Subcontracted

Whether parts of tests for the product have been subcontracted to other labs:

☐ Yes ☒ No

If Yes, list the related test items and lab information:

Test Lab:N/A

Lab address:N/A

Test items: N/A

3.4 Abnormalities from Standard Conditions

None.



4 Test Summary

EMISSION (BS EN 55032)		
Test Item	Test Standard	Result
Conducted Emissions from the AC mains power ports 150KHz to 30MHz	BS EN 55032	N/A
Asymmetric Mode Conducted Emissions 150KHz to 30MHz	BS EN 55032	N/A
Conducted Differential Voltage Emissions 30MHz to 2150MHz	BS EN 55032	N/A
Radiated Emissions, 30MHz to 1000MHz	BS EN 55032	Pass
Radiated Emissions, Above 1GHz	BS EN 55032	Pass
Harmonic Current	BS EN IEC 61000-3-2	N/A
Voltage Fluctuation and Flicker	BS EN 61000-3-3	N/A
IMMUNITY (BS EN 55035)		
Test Item	Test Method	Result
Electrostatic Discharge (ESD)	IEC 61000-4-2	Pass
Radiation Immunity	IEC 61000-4-3	Pass
Electrical Fast Transients (EFT)	IEC 61000-4-4	N/A
Surges	IEC 61000-4-5	N/A
Injected Currents	IEC 61000-4-6	N/A
Power-frequency magnetic fields	IEC 61000-4-8	N/A*
Voltage Dips and Voltage interruptions	IEC 61000-4-11	N/A

Remark:

Pass

Fail

N/A

*

Test item meets the requirement

Test item does not meet the requirement

Test case does not apply to the test object

Applicable only to equipment containing devices intrinsically susceptible to magnetic fields, such as CRT monitors, Hall effect elements, electrodynamic microphones, magnetic field sensors or audio frequency transformers.



5 Equipment Used during Test

5.1 Equipment List

3m Semi-anechoic Chamber for Radiation (TDK)						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1	Test Receiver	R&S	ESCI	101296	2025-04-19	2026-04-18
2	Trilog Broadband Antenna	SCHWARZBECK	VULB9160	9160-3325	2025-07-05	2026-07-04
3	Amplifier	ANRITSU	MH648A	M43381	2025-04-19	2026-04-18
4	Cable	HUBER+SUHNER	CBL2	525178	2025-04-19	2026-04-18
3m Fully Anechoic Room for Radiation (Above 1GHz)						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1	Spectrum Analyzer	R&S	FSP	100091	2025-04-19	2026-04-18
2	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1314	2025-08-09	2026-08-08
3	Broadband Preamplifier	COMPLIANCE DIRECTION	PAP-1G18	2004	2025-07-04	2026-07-03
4	Coaxial Cable (above 1GHz)	Top	1GHz-25GHz	EW02014-7	2025-04-19	2026-04-18
Electrostatic Discharge						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1	Electrostatic Discharge Simulator	SCHLODER	SESD 216	606144	2025-04-21	2026-04-20
Radio-frequency electromagnetic fields						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1	Signal Generator	R&S	SMB100A	105942	2025-07-04	2026-07-03
2	RF Power Amplifier	BONN Elektronik	BLWA0830-160/100/40D	128740	2025-07-04	2026-07-03
3	Gestockte Breitband (S tacked) Log.-per. Antenna	SCHWARZBECK	STLP9128D	043	2025-07-04	2026-07-03
4	Amplifier	NJNT	NTWPAS-2560025	2560025	2025-07-04	2026-07-03
5	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1314	2025-08-09	2026-08-08

**Test Software:**

Test Item	Software name	Software version
Radiated Emission(3m)	EZ-EMC	EZ-EMC(RA-03A1-1)
Radiation Immunity	BL	BL410-E V19.614

5.2 Description of Support Units

Equipment	Manufacturer	Model No.	Series No.
/	/	/	/

5.3 Measurement Uncertainty

Parameter	Uncertainty (Note 1)
Temperature	$\pm 1^{\circ}\text{C}$
Humidity	$\pm 5\%$
DC and low frequency voltages	$\pm 3\%$
Conducted Emission (150kHz-30MHz)	$\pm 3.64\text{dB}$
Radiated Emission_3m (30MHz-1000MHz)	$\pm 4.53\text{ dB}$
Radiated Emission_10m (30MHz-1000MHz)	$\pm 5.24\text{ dB}$
Radiated Emission(1GHz~6GHz)	$\pm 5.03\text{dB}$

Note 1: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.



5.4 Test Mode

Test Item	Test Mode	Test Voltage
BS EN 55032		
Radiated Emissions (30MHz-1GHz)	working mode	DC 12-24V
Radiated Emissions (1GHz-6GHz)	working mode	DC 12-24V
BS EN 55035		
Electrostatic Discharge(ESD) ☒ Air Discharge: $\pm 2,4,8\text{kV}$ ☒ Contact Discharge: $\pm 2,4\text{kV}$ ☒ HCP & VCP: $\pm 2,4\text{kV}$ Performance Criterion B	working mode	DC 12-24V
Radio-frequency electromagnetic fields (RS) 3V/m,80% AM(1kHz), 80MHz to 1GHz 1.8GHz, 2.6GHz, 3.5GHz, 5GHz Performance Criterion A	working mode	DC 12-24V
“*” shows the worst case mode which were recorded in this report.		

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6 Emission Test Results

6.1 Radiated Emissions, 30-1000MHz

Test Requirement..... : BS EN 55032

Test Method..... : BS EN 55032

Frequency Range..... : 30MHz to 1000MHz

Class/Severity..... : Class B/ Table A.4 of BS EN 55032

Test Result : ☒ Pass ☐ Fail ☐ not applicable (Remark)

6.1.1E.U.T. Operation

Operating Environment:

Temperature..... : 25.1°C

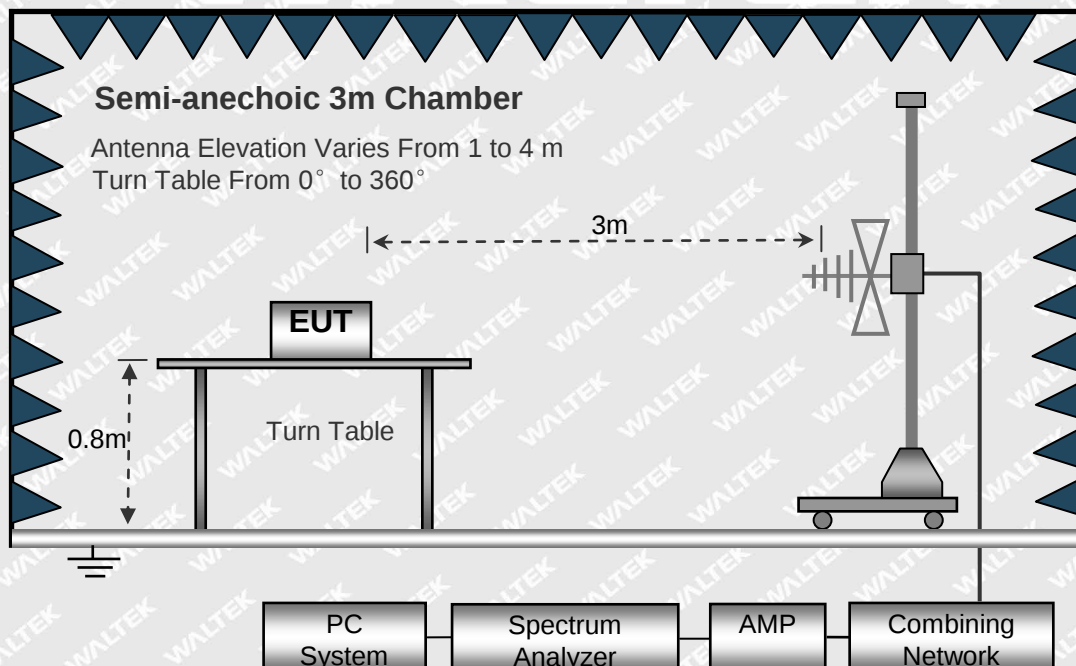
Humidity..... : 46.7%RH

Atmospheric Pressure..... : 101.4kPa

EUT Operation..... : Refer to section 5.4.

6.1.2Block Diagram of Test Setup

The Radiation Emission test was performed in accordance with BS EN 55032.





6.1.3 Measurement Data

The maximised peak emissions from the EUT was scanned and measured for both the Antenna Vertical Polarization and Antenna Horizontal Polarization. Quasi-peak measurements were performed if peak emissions were within 6dB of the Quasi-peak limit line.

6.1.4 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

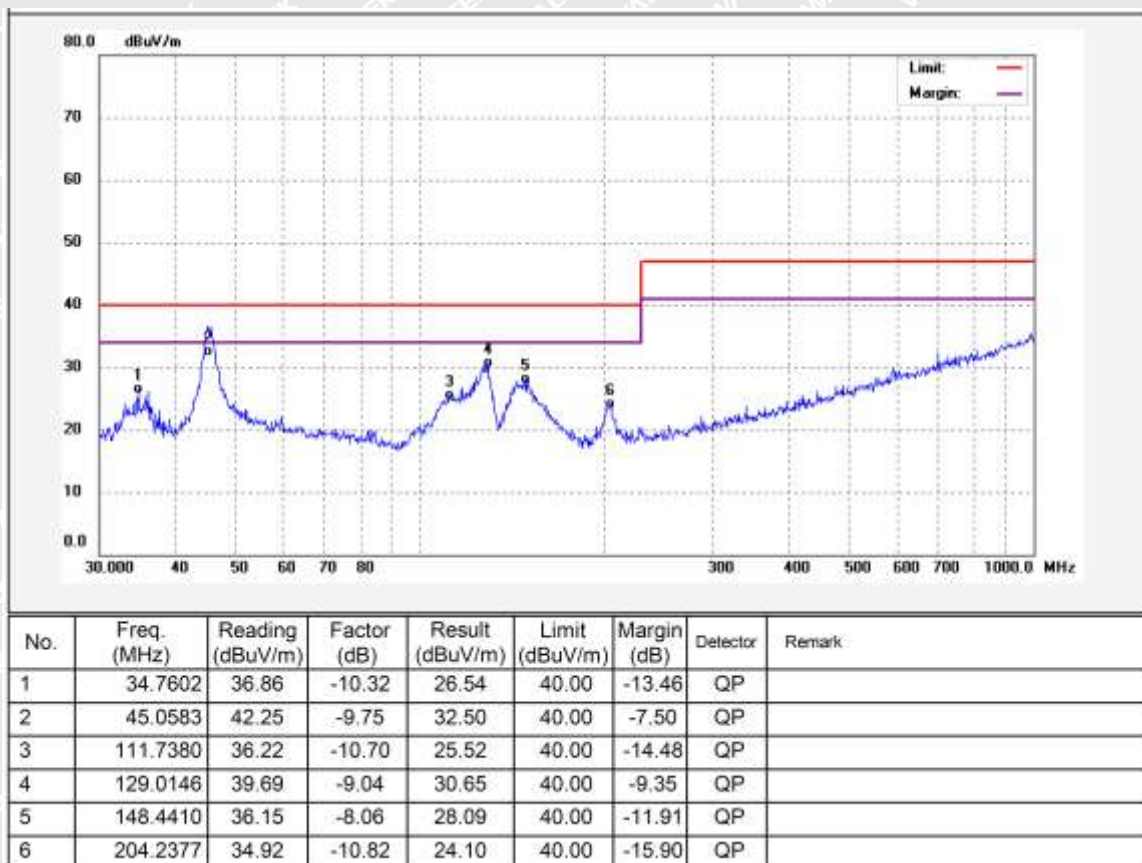
$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dB means the emission is 6dB below the maximum limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{Limit}$$

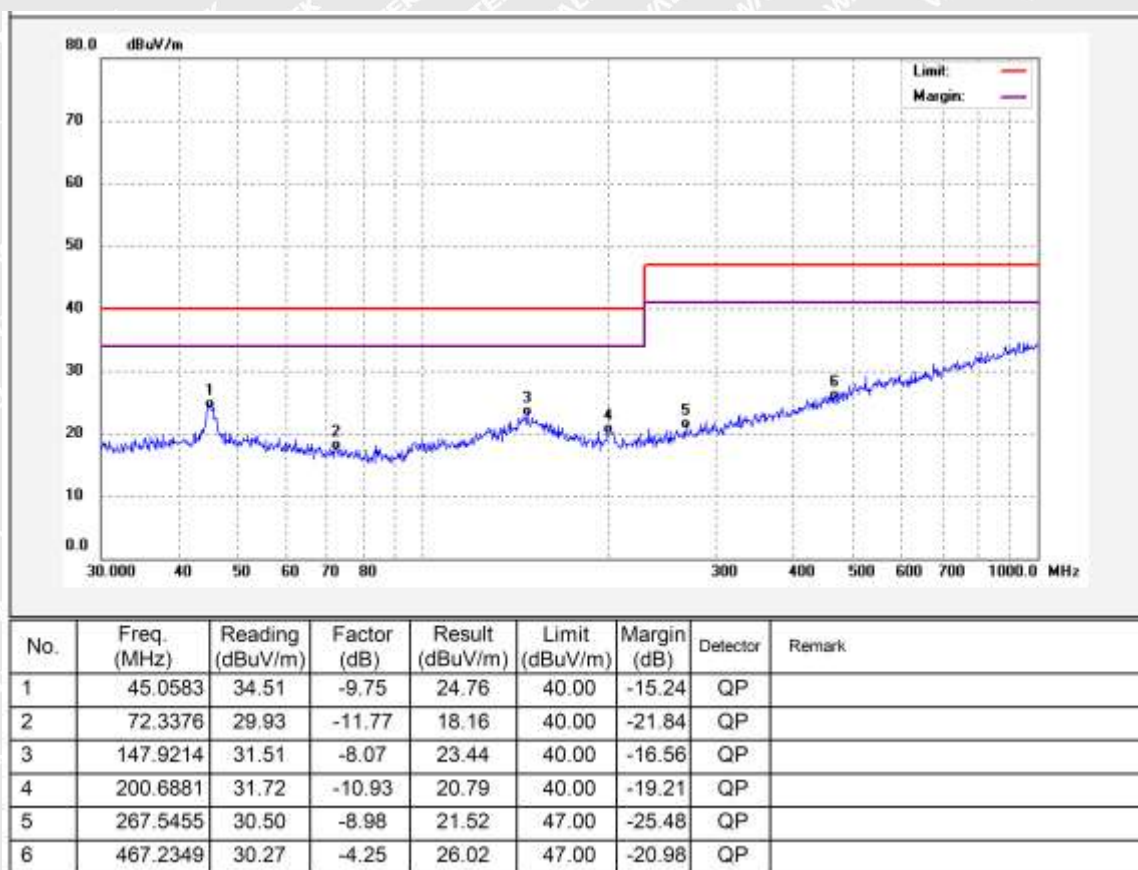
6.1.5 Test Data

Antenna Polarization: Vertical





Antenna Polarization: Horizontal





6.2 Radiation Emission, Above 1000MHz

Test Requirement..... : BS EN 55032
 Test Method..... : BS EN 55032
 Frequency Range..... : Above 1000MHz
 Class/Severity..... : Class B/ Table A.5 of BS EN 55032
 Test Result : ☒ Pass ☐ Fail ☐ not applicable (Remark)

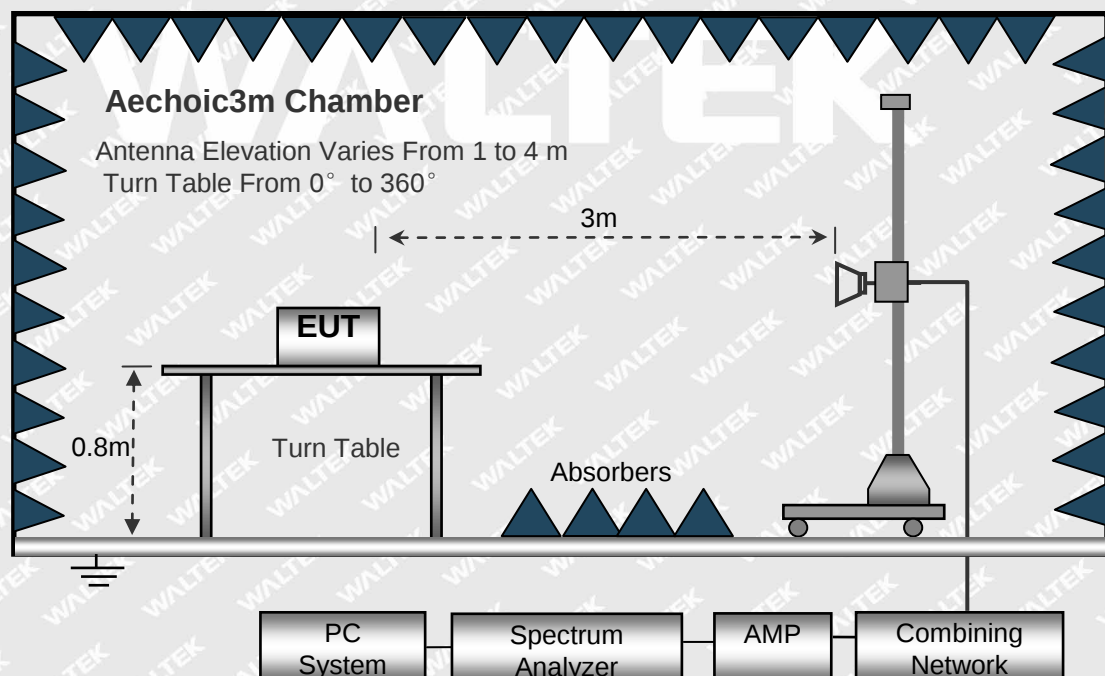
6.2.1E.U.T. Operation

Operating Environment:

Temperature..... : 24.1°C
 Humidity..... : 53.5%RH
 Atmospheric Pressure..... : 101.4kPa
 EUT Operation..... : Refer to section 5.4.

6.2.2Block Diagram of Test Setup

The Radiation Emission test was performed in accordance with BS EN 55032.



6.2.3Measurement Data

The maximised peak emissions from the EUT was scanned and measured for both the Antenna Vertical Polarization and Antenna Horizontal Polarization. Average measurements were performed if peak emissions were within 6dB of the average limit line.



The test Frequency range judgment basis:

If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz.

If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz.

If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz.

If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 6 GHz, whichever is less.

6.2.4 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Amplifier Gain}$$

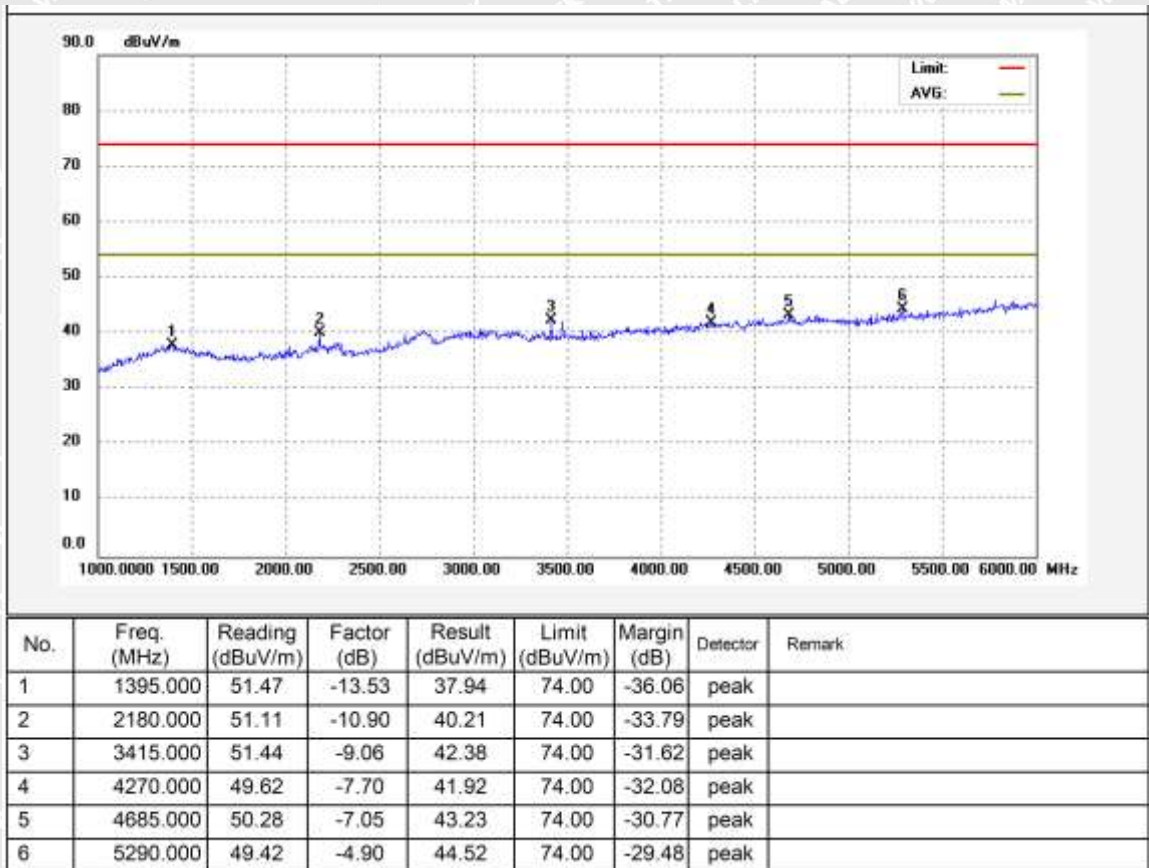
The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dB means the emission is 6dB below the maximum limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{Limit}$$



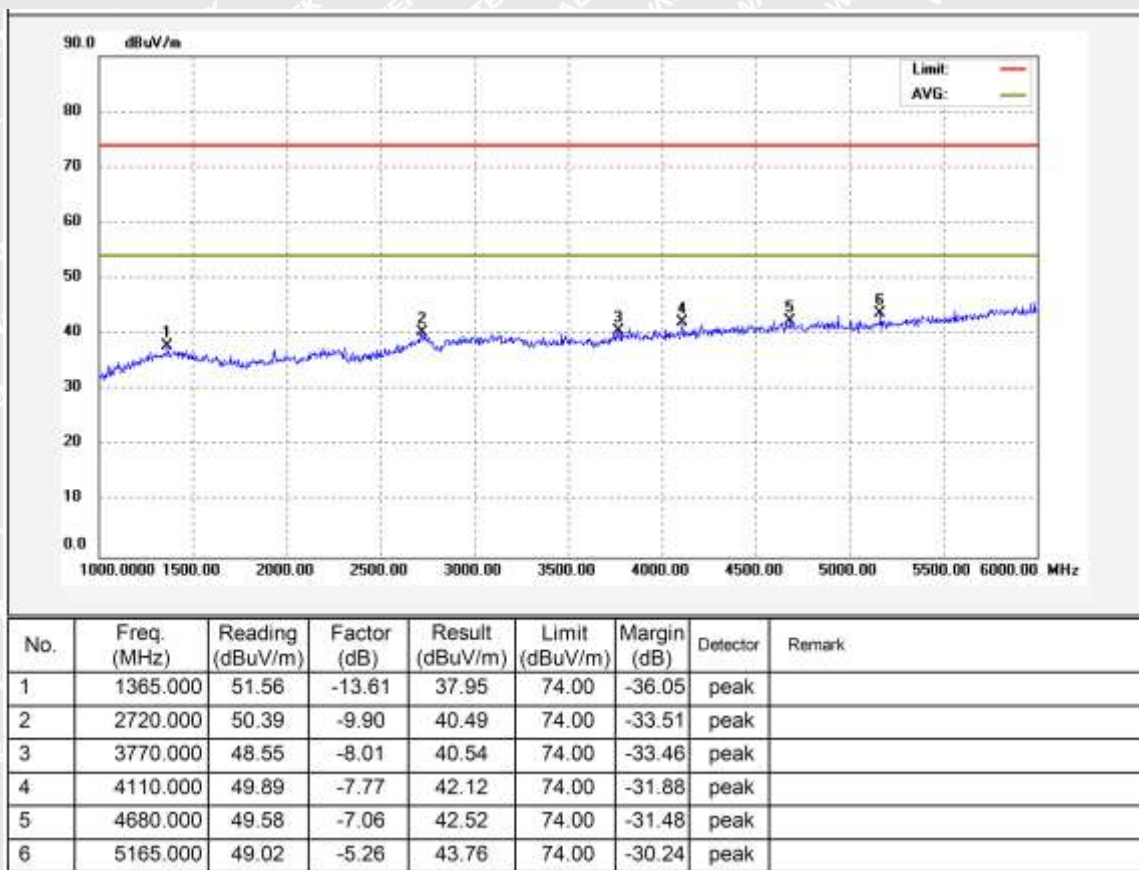
6.2.5 Test Data

Antenna Polarization: Vertical





Antenna Polarization: Horizontal





7 Immunity Test Results

7.1 Performance Criteria

Performance criterion A: The apparatus shall continue to operate as intended during the test.

No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. 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 from what the user may reasonably expect from the apparatus if used as intended.

Performance criterion B: The apparatus shall continue to operate as intended after the test.

No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. During the test, degradation of performance is allowed, however, no change of actual operating state or stored data is allowed. 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 from what the user may reasonably expect from the apparatus if used as intended.

Performance criterion C: Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls, or by any operations specified in the instructions for use. For further details, please refer to BS EN 55035.

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7.2.3 Direct Discharge Test Results

Observations:

Test points:

1. All Exposed Surface & Seams;
2. All metallic part

Direct Discharge			Test Results	
Applied Voltage (kV)	Performance Criterion	Test Point	Contact Discharge	Air Discharge
±8	B	1	N/A	Pass
±4	B	2	Pass	N/A

7.2.4 Indirect Discharge Test Results

Observations:

Test points: 1. All sides.

Indirect Discharge			Test Results	
Applied Voltage (kV)	Performance Criterion	Test Point	Horizontal Coupling	Vertical Coupling
±4	B	1	Pass	Pass

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7.3 Radio-frequency electromagnetic fields

Test Requirement.....	BS EN 55035
Test Method.....	IEC 61000-4-3
Test Result	Pass
Frequency Range	80MHz to 1GHz 1.8GHz, 2.6GHz, 3.5GHz, 5GHz
Test level	3V/m
Modulation	80%, 1kHz Amplitude Modulation.
Face of EUT	Front, Back, Left, Right
Antenna polarisation.....	Horizontal&Vertical

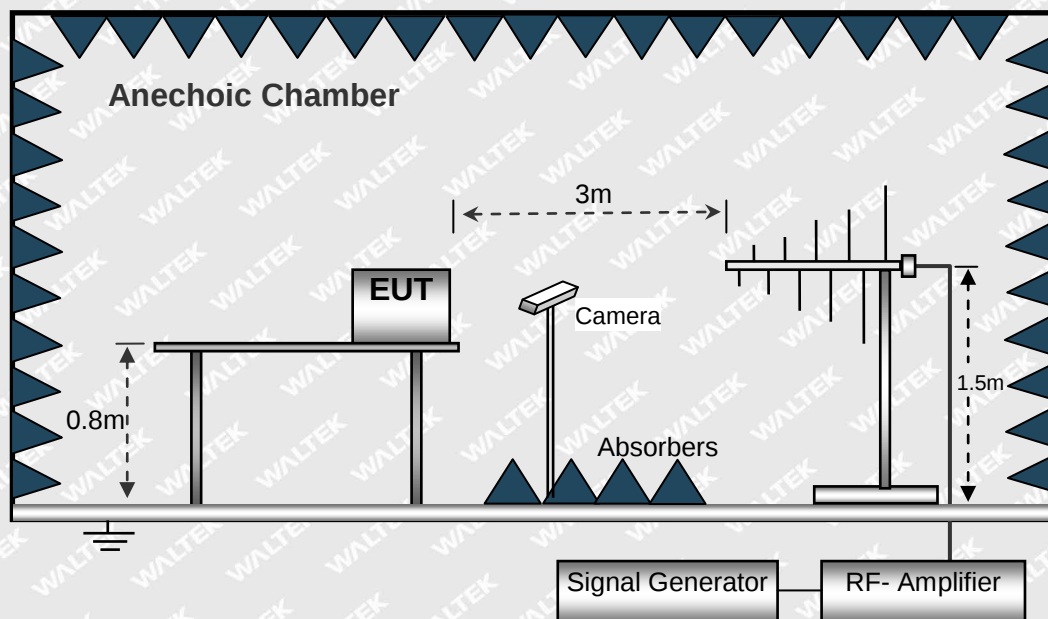
7.3.1 E.U.T. Operation

Operating Environment:

Temperature	25.1°C
Humidity.....	43.1% RH
Barometric Pressure.....	101.6kPa
EUT Operation.....	Refer to section 5.4.

7.3.2 Block Diagram of Setup

The Radio-frequency electromagnetic fields Immunity test was performed in accordance with the IEC 61000-4-3.





7.3.3 Test Results

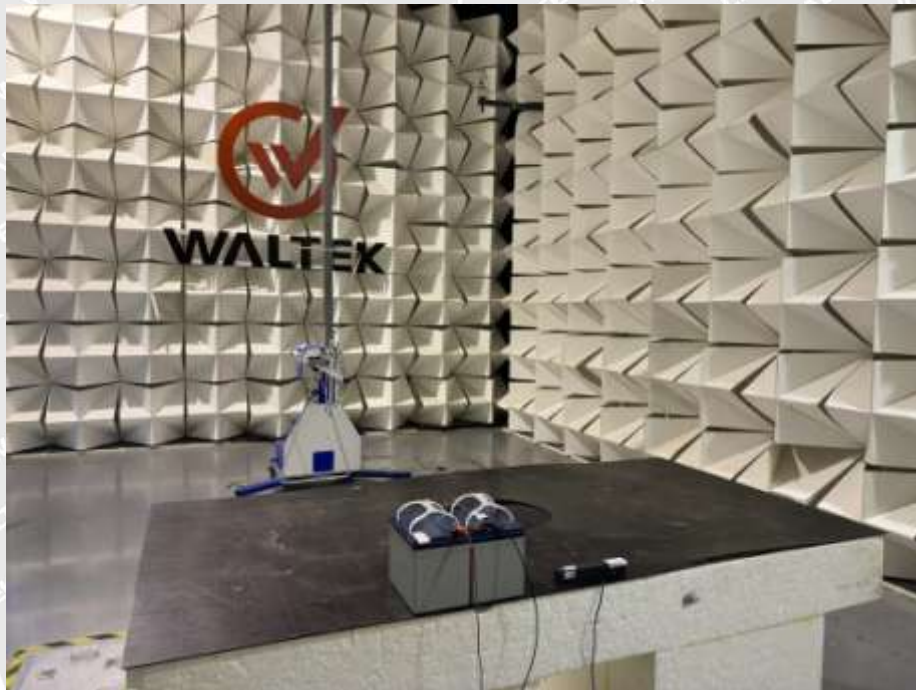
Test Frequency (MHz)	Face of EUT	Antenna polarisation	Test Level	Step Size	Dwell Time	Performance Criterion	Result
80-1000MHz, 1800MHz, 2600MHz, 3500MHz, 5000MHz	Front, Back, Left, Right	Horizontal	3V/m	1%	1s	A	Pass
	Front, Back, Left, Right	Vertical	3V/m	1%	1s	A	Pass

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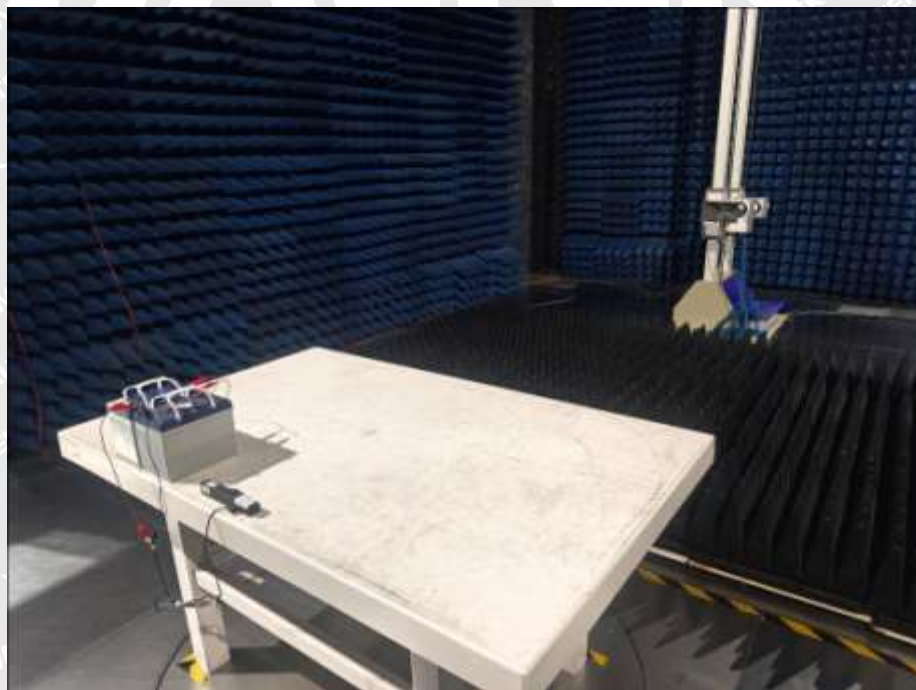


8 Photographs–Test Setup

8.1 Photograph–RadiationEmission Test Setup 30MHz-1000MHz



8.2 Photograph –Radiation Emission Test Setup for Above 1GHz

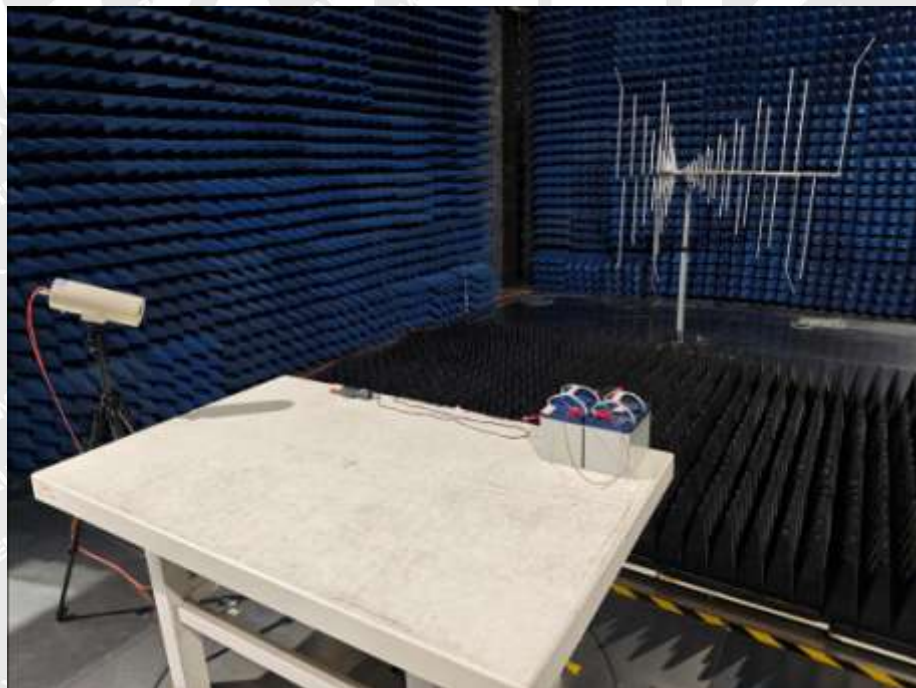


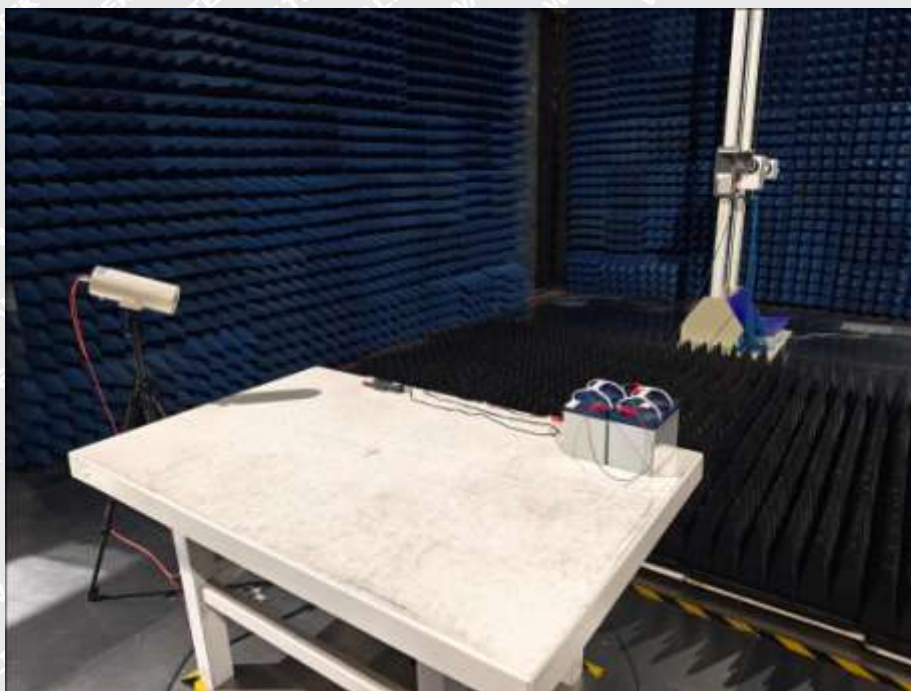


8.3 Photograph – ESD Immunity Test Setup



8.4 Photograph –Radio-frequency electromagnetic fields Test Setup





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9 Photographs—Constructional Details

Note: Please refer to appendix: Appendix-CVP-0401-Photos.

=====End of Report=====

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