



TEST REPORT

Reference No. : WTD23D12265325W002
Manufacturer* : Coolr Group Inc
Address : 4451 Brookfield Corporate Dr Suite 111, Chantilly, VA 20151, US
Factory 1 : Suga Electronics (Dongguan) Co.,Ltd.
Address : Suga High-tech Industrial Park, No.8 Fulong Road, Sanzhong village,
Qingxi Town, Dongguan City, Guangdong Province, China
Factory 2 : Suga International (Vietnam) Company Limited
Address : Lo so CN11-3, Que Vo 3 Industrial Park, Que Tan Commune, Que Vo
District, Bac Ninh Province, Vietnam
Product : VistaZ
Model(s) : CVZ-0303, CVL-0303
Standards : ETSI EN 301 489-1 V2.2.3 (2019-11)
ETSI EN 301 489-17 V3.2.4 (2020-09)
ETSI EN 301 489-52 V1.2.0 (2021-11)
Date of Receipt sample : 2023-12-14
Date of Test : 2023-12-21 to 2024-01-16
Date of Issue : 2024-01-23
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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3 Revision History

Test Report No.	Date of Receipt sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTD23D12265325W002	2023-12-14	2023-12-21 to 2024-01-16	2024-01-23	Original	-	Valid

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4 General Information

4.1 General Description of E.U.T.

Product: VistaZ
Model(s): CVZ-0303, CVL-0303
Model Description: Only the model name and cellular modular are different. The model CVZ-0303 with cellular modular. The model CVL-0303 without cellular modular. The test sample model was CVZ-0303.
GSM Band(s): GSM 900/1800MHz
LTE Band(s): LTE-CAT M1 Band 1/3
Wi-Fi Specification: 2.4G-802.11b/g/n HT20
Bluetooth Version: V5.4
Hardware Version: V01 Rev 0.02
Software Version: v17.1
Note: N/A

4.2 Details of E.U.T.

Ratings: DC 3.7V by battery
Battery: DC 3.7V, 2500mAh, 9.25Wh

4.3 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: /

Lab address: /

Test items: /

4.4 Abnormalities from Standard Conditions

None.

4.5 Note

N/A



5 Test Summary

EMC PART		
Test Items	Test Requirement	Result
Conducted Emissions	EN 301 489-1/17/52	N/A
Radiated Emissions	EN 301 489-1/17/52	PASS
Harmonic Current Emissions	EN 301 489-1/17/52	N/A
Voltage Fluctuations and Flicker	EN 301 489-1/17/52	N/A
Electrostatic Discharge(ESD)	EN 301 489-1/17/52	PASS
Radiated Immunity (R/S)	EN 301 489-1/17/52	PASS
Electrical Fast Transients (EFT)	EN 301 489-1/17/52	N/A
Surge Immunity	EN 301 489-1/17/52	N/A
Conducted Immunity (C/S)	EN 301 489-1/17/52	N/A
Voltage Dips and Interruptions	EN 301 489-1/17/52	N/A
Remark: PASS: Test item meets the requirement N/A: Not Applicable		



6 Equipment Used during Test

6.1 Equipments 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	2023-04-24	2024-04-23
2	Trilog Broadband Antenna	SCHWARZBECK	VULB9160	9160-3325	2023-11-04	2024-11-03
3	Amplifier	ANRITSU	MH648A	M43381	2023-04-24	2024-04-23
4	Cable	HUBER+SUHNER	CBL2	525178	2023-04-24	2024-04-23
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	2023-04-24	2024-04-23
2	Broad-bandHorn Antenna	SCHWARZBECK	BBHA 9120 D	667	2023-02-02	2024-02-01
3	Broadband Preamplifier	COMPLIANCE DIRECTION	PAP-1G18	2004	2023-07-27	2024-07-26
4	Coaxial Cable (above 1GHz)	Top	1GHz-25GHz	EW02014-7	2023-04-24	2024-04-23
Electrostatic Discharge						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1	Electrostatic Discharge Simulator	SCHLODER	SESD 216	606144	2023-04-25	2024-04-24
Radio-frequency electromagnetic fields						
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1	Signal Generator	R&S	SMB100A	105942	2023-07-27	2024-07-26
2	RF Power Amplifier	BONN Elektronik	BLWA0830-160/100/40D	128740	2023-07-27	2024-07-26
3	GestockteBreitband (S tacked) Log.-per.Antenna	SCHWARZBECK	STLP9128D	043	2023-07-27	2024-07-26
4	Amplifier	NJNT	NTWPAS-2560025	2560025	2023-07-27	2024-07-26
5	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	667	2023-02-02	2024-02-01
6	Microphone tuned amplifier	B&K	B&K 2690-A	NA	2023-08-06	2024-08-05
7	Microphone	B&K	B&K4192-L	2701123	2023-08-06	2024-08-05
8	Audio Analyzer	R&S	UPV	102011	2023-07-27	2024-07-26

**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

6.2 Description of Support Units

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

6.3 Measurement Uncertainty

Parameter	Uncertainty
Conduction disturbance(150kHz~30MHz)	$\pm 3.64\text{dB}$
Radiated Emission(30MHz~1GHz)	$\pm 4.53\text{dB}$
Radiated Emission(1GHz~6GHz)	$\pm 5.03\text{dB}$

6.4 Test Equipment Calibration

All the test equipments used are valid and calibrated by CEPREI Certification Body that address is No.110 Dongguan Zhuang RD. Guangzhou, P.R.China.

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6.5 Test Modes

Radiated Emissions	
TM1*	BLE link
TM2	WIFI link
TM3	GSM link
TM4	LTE link
Electrostatic Discharge(ESD)	
TM1*	BLE link
TM2	WIFI link
TM3	GSM link
TM4	LTE link
Radiated Immunity(R/S)	
TM1*	BLE link
TM2	WIFI link
TM3	GSM link
TM4	LTE link
Remark: shows the worst test mode which were recorded in this report	



7 EMC Requirements for Emissions

7.1 Radiated Emissions

Test Method	: EN 301 489-1, EN 55032
Frequency Range	: 30MHz to 1GHz, 1GHz to 6GHz
Class/Severity	: Class B/ Table A.4 of EN 55032 (30MHz to 1GHz) Class B/ A.5 of EN 55032 (1GHz to 6GHz)
Detector	: Peak for pre-scan (120kHz Resolution Bandwidth Below 1GHz; 1MHz Resolution Bandwidth Above 1GHz)

7.1.1 EUT Operation:

Operating Environment :	
Temperature	: 19.9°C
Humidity	: 39 % RH
Atmospheric Pressure	: 101.4kPa
EUT Operation	: Refer to section 6.5.

7.1.2 Test Setup

The radiated emission tests were performed using the setup accordance with the EN 55032.

Frequency Range: Below 1 GHz

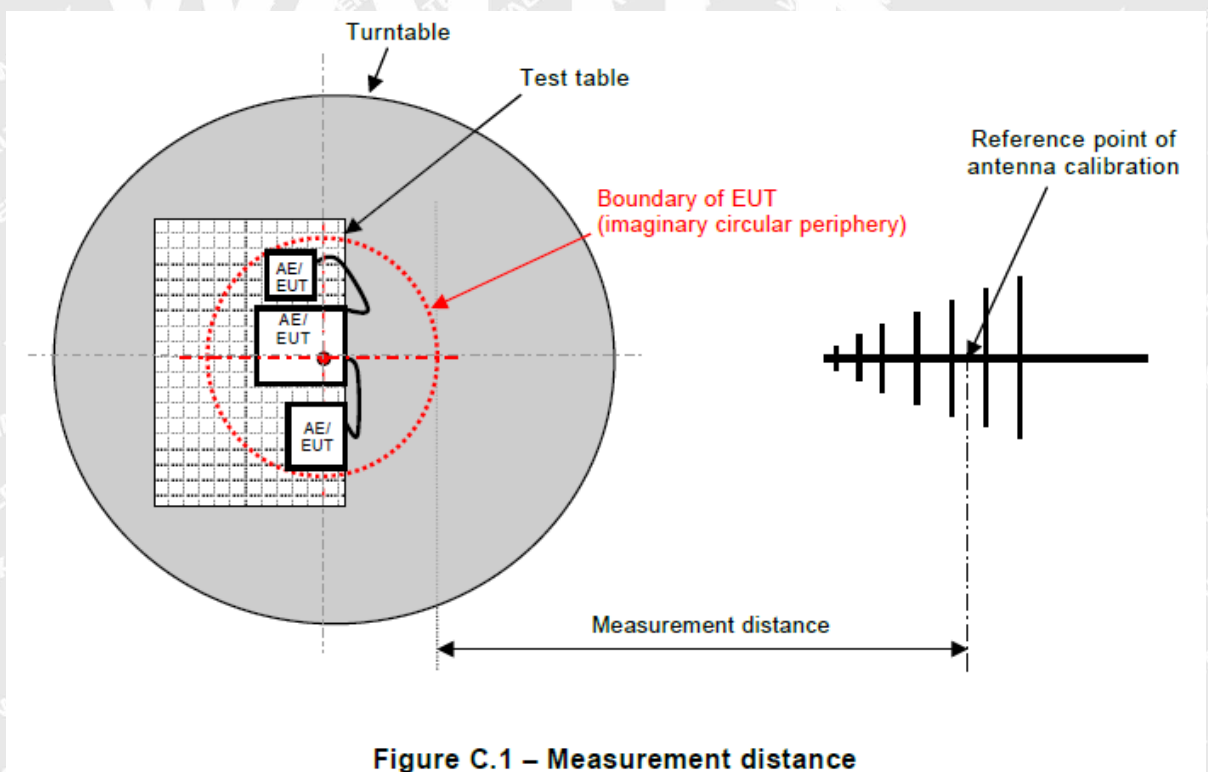
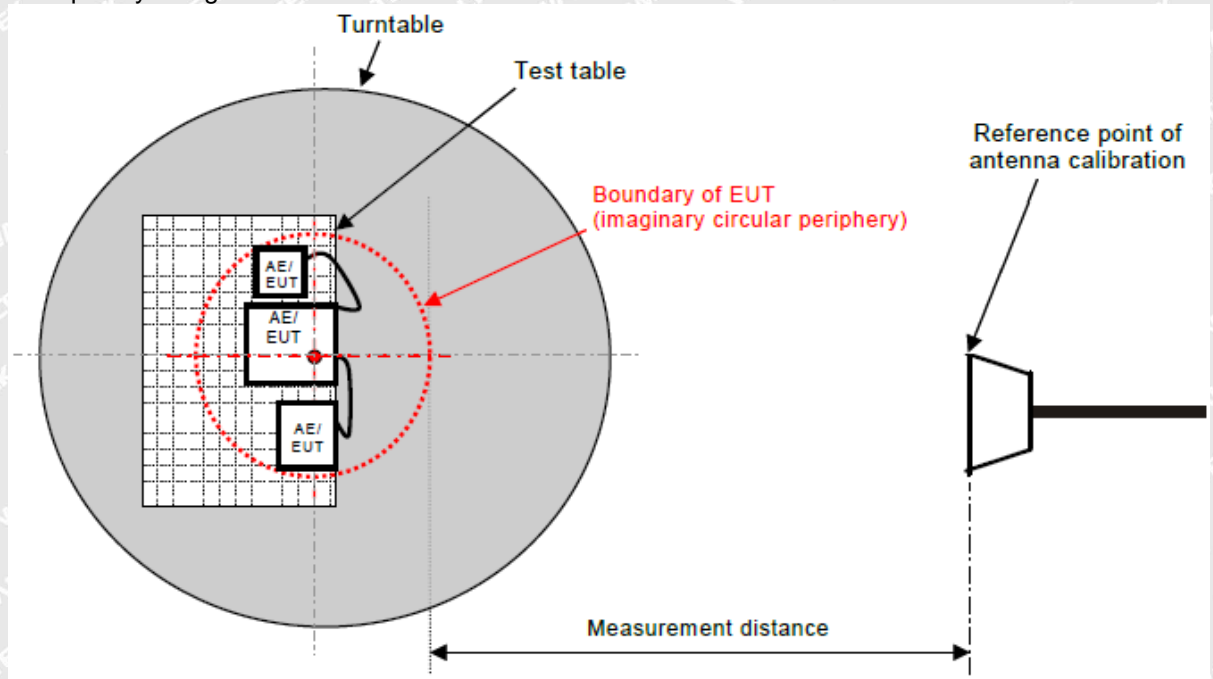


Figure C.1 – Measurement distance



Frequency Range: Above 1 GHz



7.1.3 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 -7dB means the emission is 7dB below the maximum limit for Class B. The equation for margin calculation is as follows:

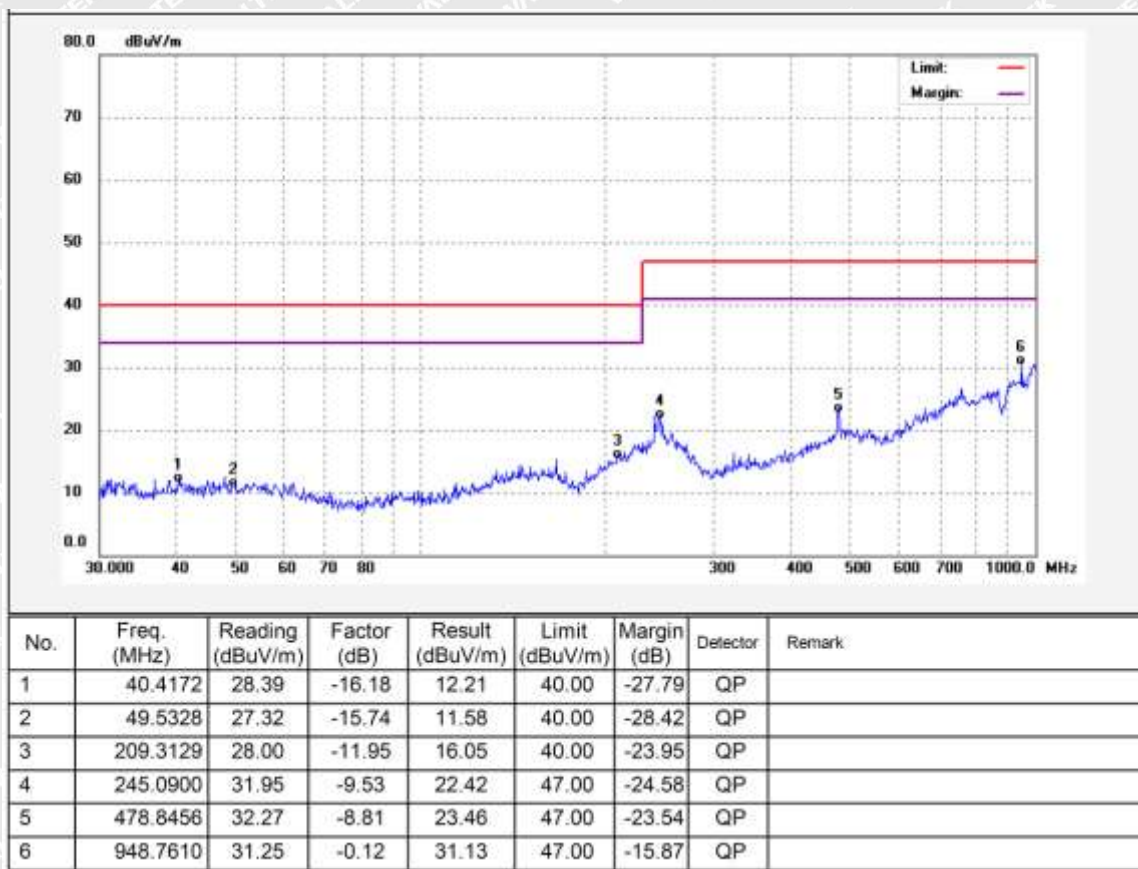
$$\text{Margin} = \text{Corr. Ampl.} - \text{Class B Limit}$$



7.1.4 Test Result

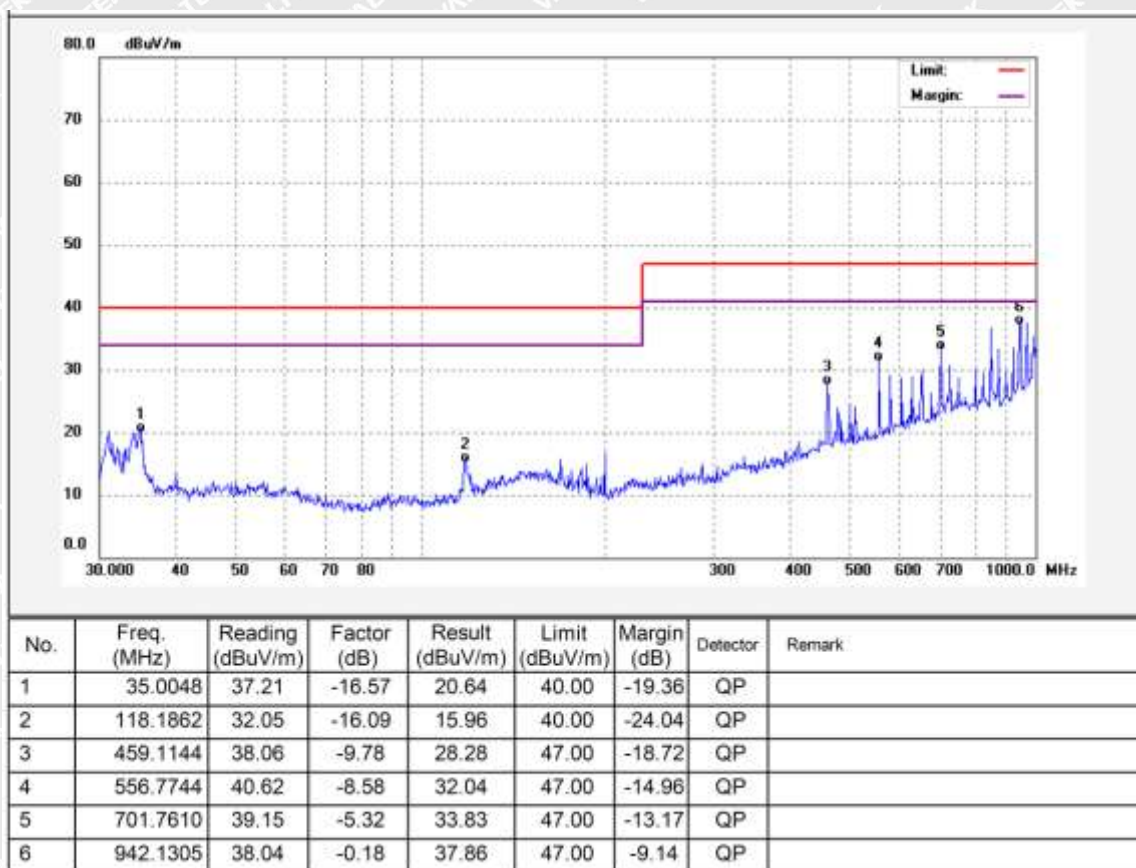
Frequency Range: 30MHz ~ 1000MHz

Antenna Polarization: Horizontal



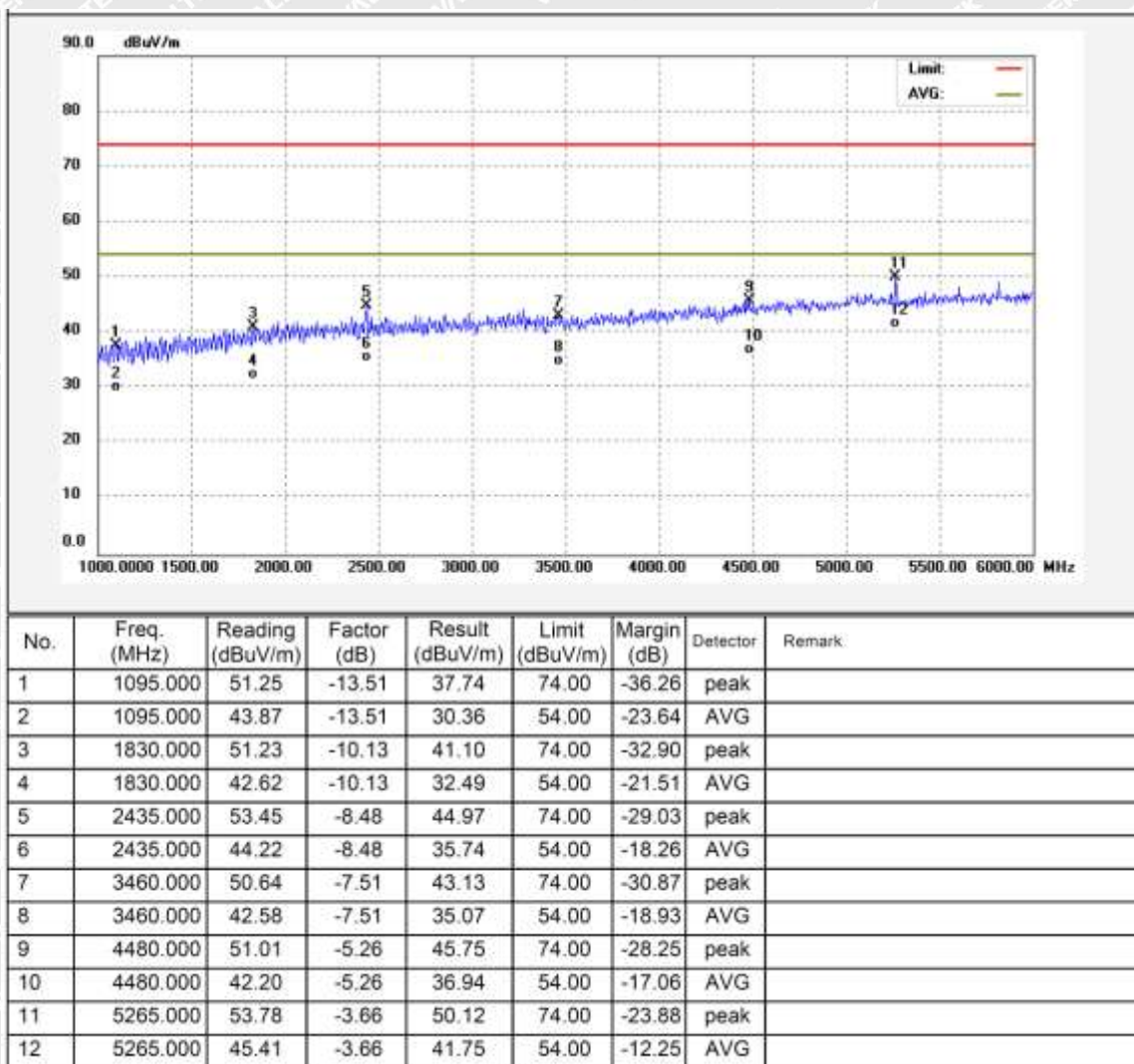


Antenna Polarization: Vertical



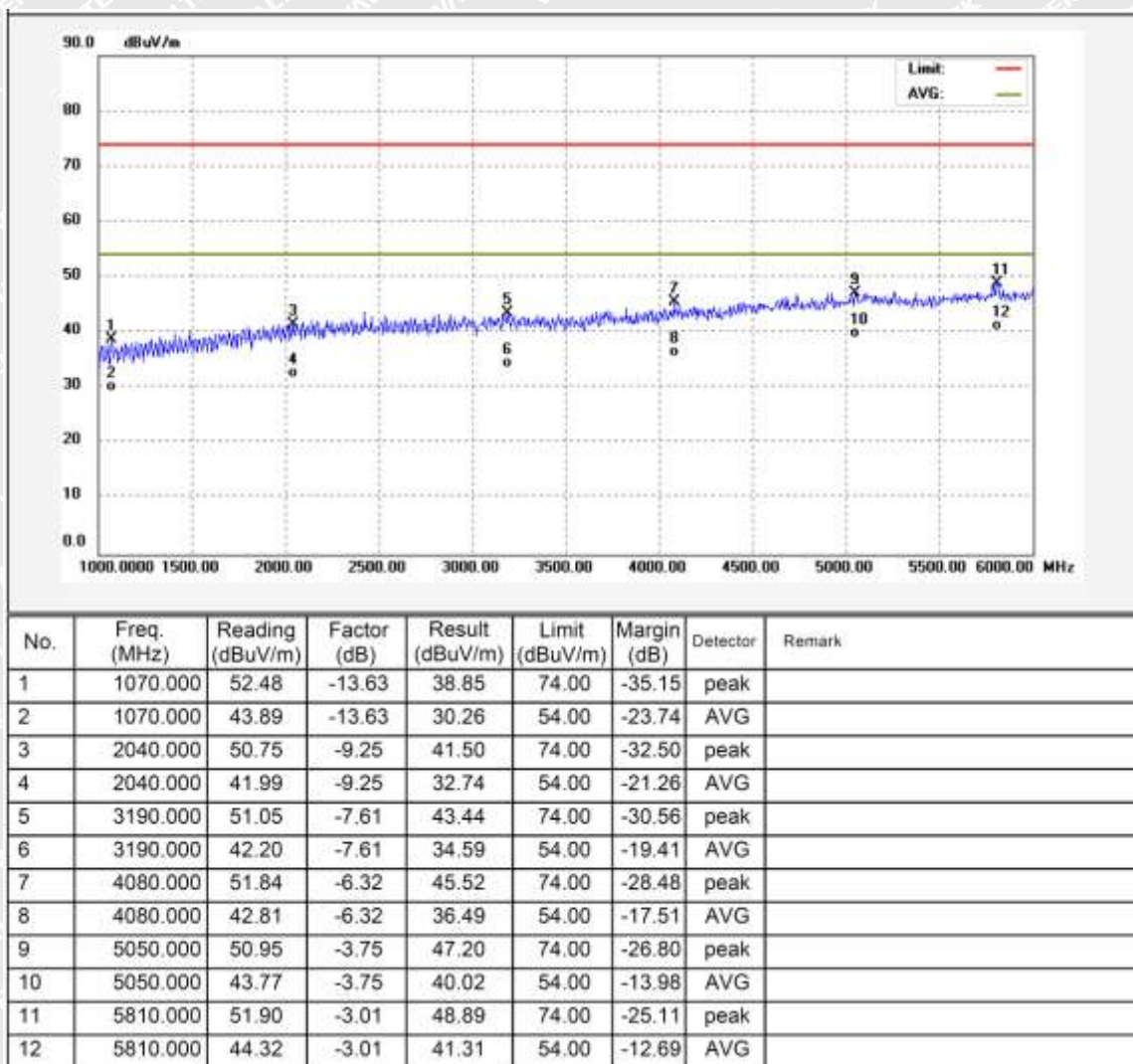
**Frequency Range: 1000MHz ~ 6000MHz**

Antenna Polarization: Horizontal





Antenna Polarization: Vertical





8 EMC Requirement for Immunity

8.1 Performance Criteria Description

ETSI EN 301 489-1 V2.2.3 Clause 6 requirements:

The performance criteria are used to take a decision on whether a radio equipment passes or fails immunity tests.

For the purpose of the present document four categories of performance criteria apply:

- Performance criteria for continuous phenomena applied to transmitters and receivers
- Performance criteria for transient phenomena applied to transmitters and receivers

Performance criteria for continuous phenomena

During the test, the equipment shall:

- continue to operate as intended;
- not unintentionally transmit;
- not unintentionally change its operating state;
- not unintentionally change critical stored data.

Performance criteria for transient phenomena

For all ports and transient phenomena with the exception described below, the following applies:

- The application of the transient phenomena shall not result in a change of the mode of operation (e.g. unintended transmission) or the loss of critical stored data.
- After application of the transient phenomena, the equipment shall operate as intended.

For surges applied to symmetrically operated wired network ports intended to be connected directly to outdoor lines the following criteria applies:

- For products with only one symmetrical port intended for connection to outdoor lines, loss of function is allowed, provided the function is self-recoverable, or can be otherwise restored. Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.
- For products with more than one symmetrical port intended for connection to outdoor lines, loss of function on the port under test is allowed, provided the function is self-recoverable. Information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

**ETSI EN 301 489-17 V3.2.4** Clause 6 requirements:

The performance criteria are:

- performance criteria A for immunity tests with phenomena of a continuous nature;
- performance criteria B for immunity tests with phenomena of a transient nature;
- performance criteria C for immunity tests with power interruptions exceeding a certain time.

Performance criteria

Criteria	During test	After test
A	Shall operate as intended. (see note). Shall be no loss of function. Shall be no unintentional transmissions.	Shall operate as intended. Shall be no degradation of performance. Shall be no loss of function. Shall be no loss of stored data.
B	May show loss of function	Functions shall be self-recoverable. Shall operate as intended after recovering. Shall be no loss of critical stored data.
C	May be loss of function (one or more).	Functions shall be recoverable by the operator. Shall operate as intended after recovering. Shall be no loss of critical stored data.

NOTE: Operate as intended during the test allows a level of degradation in accordance with clause 6.2.2.

Clause 6.2.2 Minimum performance level

For equipment that supports a PER or FER, the minimum performance level shall be a PER or FER less than or equal to 10 %.

For equipment that does not support a PER or a FER, the minimum performance level shall be no loss of the wireless transmission function needed for the intended use of the equipment.

Performance criteria for Continuous phenomena

The performance criteria A shall apply.

Where the EUT is a transmitter in standby mode, unintentional transmission shall not occur during the test.

Where the EUT is a transceiver in receive mode, unintentional transmission shall not occur during the test.

Performance criteria for Transient phenomena

The performance criteria B shall apply, except for voltage dips greater than or equal to 100ms and voltage interruptions of 5 000ms duration, for which performance criteria C shall apply.

Where the EUT is a transmitter in standby mode, unintentional transmission shall not occur as a result of the application of the test.

Where the EUT is a transceiver in receive mode, unintentional transmission shall not occur as a result of the application of the test.

**ETSI EN 301 489-52 V1.2.0** Clause 6 requirements:

The requirements apply to all types of GSM and DCS for the UE.

The equipment shall meet the performance criteria specified in this clause and clauses 6.1.1 to 6.1.4, as appropriate.

Portable equipment intended for use whilst powered by the main battery of a vehicle shall additionally fulfil the applicable requirements set out in ETSI EN 301 489-1 [1], clauses 7.1 and 7.2 for mobile equipment.

Portable or mobile equipment powered by the AC mains shall additionally fulfil the applicable requirements of ETSI EN 301 489-1 [1], clauses 7.1 and 7.2 for radio and ancillary equipment for fixed use.

The establishment and maintenance of a communications link, the assessment of RXQUAL, and the assessment of the audio breakthrough by monitoring the speech output signal level, are used as performance criteria to ensure that all primary functions of the transmitter and receiver are evaluated during the immunity tests. In addition, the test shall also be performed in idle mode to ensure the transmitter does not unintentionally operate.

The maintenance of a communications link shall be assessed using an indicator which may be part of the test system or the EUT.

If an equipment is of a specialized nature, such that the performance criteria described in the following clauses are not appropriate, then the manufacturer shall declare, for inclusion in the test report, his own specification for an acceptable level of performance or degradation of performance during and/or after the immunity tests. The performance specification shall be included in the product description and documentation.

The performance criteria specified by the manufacturer shall give the same degree of immunity protection as called for in the following clauses.

Performance Criteria	Description
CT	<p>A With a link established, during the test, the uplink speech output level shall be at least 35 dB less than the previously recorded reference levels, when measured through an audio band pass filter of width 200 Hz, centred on 1 kHz (audio breakthrough check).</p> <p>NOTE: When there is a high-level background noise present, the filter bandwidth may be reduced down to a minimum of 40 Hz.</p> <p>In idle mode, the transmitter shall not operate unintentionally.</p> <p>At the conclusion of the test, the EUT shall operate as intended with no loss of user control functions or critical stored data, and the communication link shall have been maintained.</p>
CR	<p>During the test, the RXQUAL of the downlink shall not exceed the value of three, measured during each individual exposure in the test sequence.</p> <p>In the case of narrow band responses, the procedure in clause 4.4.1 shall be followed.</p> <p>During the test, the downlink speech output level shall be at least 35 dB less than the previously recorded reference levels, when measured through an audio band pass filter of width 200 Hz, centred on 1 kHz (audio breakthrough check).</p> <p>NOTE: When there is a high-level background noise present, the filter bandwidth may be reduced down to a minimum of 40 Hz.</p> <p>At the conclusion of the test, the EUT shall operate as intended with no loss of user control functions or critical stored data, and the communication link shall have been maintained</p>
Ancillary equipment tested on a stand alone basis	The provision of ETSI EN 301 489-1 [1], clause 6.4 shall apply.



The requirements apply to all types of UTRA and E-UTRA (FDD or TDD) for the UE.

The equipment shall meet the performance criteria specified in this clause and clauses 6.2.2 and 6.2.3 as appropriate.

The maintenance of a communications link shall be assessed by using an indicator, which may be part of the test system or the equipment under test.

If an equipment is of a specialized nature, that the performance criteria described in the following clauses are not appropriate, then the manufacturer shall declare, for inclusion in the test report, his own specification for an acceptable level of performance or degradation of performance during and/or after testing, as required by the present document.

The performance criteria specified by the manufacturer shall give the same degree of immunity protection as called for in the following clauses.

In addition, the test shall also be performed in idle mode to ensure the transmitter does not unintentionally operate.

The requirements apply to all types of UTRA and E-UTRA (FDD or TDD) for the UE.

Performance Criteria	Description
continuous phenomena	<p>A communication link shall be established at the start of the test, and maintained during the test, clauses 4.1 and 4.2.</p> <p>In the speech mode, the performance criteria shall be that the Up Link and Down Link speech output levels shall be at least 35 dB less than the recorded reference levels, when measured through an audio band pass filter of width 200 Hz, centred on 1 kHz (annex B).</p> <p>NOTE: When there is a high level of background audio noise present, the filter bandwidth can be reduced down to a minimum of 40 Hz.</p> <p>At the conclusion of the test, the EUT shall operate as intended with no loss of user control functions or stored data, and the communication link shall have been maintained.</p> <p>In addition to confirming the above performance in traffic mode, the test shall be performed in idle mode, and the transmitter shall not unintentionally operate.</p>
UTRA	<p>In the data transfer mode, the performance criteria can be one of the following:</p> <ul style="list-style-type: none">• if the BER (as referred in TS 134 109 [8]) is used, it shall not exceed 0,001 during the test sequence;• if the BLER (as referred in TS 134 109 [8]) is used, it shall not exceed 0,01 during the test sequence. <p>The BLER calculation shall be based on evaluating the CRC on each transport block.</p>
E-UTRA	<p>In the data transfer mode, the performance criteria shall be that the throughput shall be ≥ 95 % of the maximum throughput of the reference measurement channel as specified in annex C in TS 136 101 [13] with parameters specified in tables 7.3.1-1 and 7.3.1-2 in TS 136 101 [13] during the test sequence.</p>
Transient phenomena	<p>A communications link shall be established at the start of the test, clauses 4.1 and 4.2.</p> <p>At the conclusion of each exposure the EUT shall operate with no user noticeable loss of the communication link.</p> <p>At the conclusion of the total test comprising the series of individual exposures, the EUT shall operate as intended with no loss of user control functions or stored data, as declared by the manufacturer, and the communication link shall have been maintained.</p> <p>In addition to confirming the above performance in traffic mode, the test shall also be performed in idle mode, and the transmitter shall not unintentionally operate.</p>

**Emission****GSM and DCS****1. General**

EN 301 489-1 [1], table 1 contains the applicability of EMC emission measurements to the relevant ports of radio and/or associated ancillary equipment.

2. Special conditions

The following special conditions set out in table 1, relate to the emission test methods used in ETSI EN 301 489-1 [1], clause 8.

Special conditions for EMC emission measurements

Reference to clauses in ETSI EN 301 489-1 [1]	Special product-related conditions, additional to or modifying the test conditions in ETSI EN 301 489-1 [1], clause 8
8.2 Enclosure of ancillary equipment measured on a stand alone basis	At the manufacturer's discretion, ancillary equipment can also be measured in combination with the radio equipment under test. When the ancillary equipment is measured in combination with the radio equipment, radiated emissions from the transmitter/transceiver shall be ignored, but recorded in the test report.

CDMA Direct Spread (UTRA and E-UTRA)**1. General**

EN 301 489-1 [1], table 1 contains the applicability of EMC emission measurements to the relevant ports of radio and/or associated ancillary equipment.

2. Special conditions

No special conditions shall apply to UE in the scope of the present document.

Immunity**GSM and DCS****1. General**

EN 301 489-1 [1], table 2 contains the applicability of EMC immunity measurements to the relevant ports of radio and/or associated ancillary equipment.

2. Special conditions

The following special conditions set out in table 1, relate to the immunity test methods used in the EN 301 489-1 [1], clause 9.



Reference to clauses in ETSI EN 301 489-1 [1]	Special product-related conditions, additional to or modifying the test conditions in ETSI EN 301 489-1 [1], clause 9
9.2 Radio frequency electromagnetic field 9.2.2 Test method	When using the max hold detector method (see annex B) at each test frequency step initially an unmodulated test signal shall be applied. Then the test modulation shall be applied. The test shall be repeated with the equipment in the idle mode of operation and the exclusion band shall not be used during this test.
9.5 Radio frequency, common mode	When using the max hold detector method (see annex B) at each test frequency step initially an unmodulated test signal shall be applied. Then the test modulation shall be applied.
9.5.2 Test method	The stepped frequency increments may be 50 kHz increment of the momentary frequency in the frequency range 150 kHz to 5 MHz. When using the max hold detector method, initially at each test frequency step an unmodulated immunity test signal shall be applied. Then the modulation of the immunity RF test signal (1 kHz tone) shall be applied as specified in the ETSI EN 301 489-1 [1].
9.6.3 Performance criteria	During tests with pulses 3a and 3b, the performance criteria TT shall apply, see clause 6.2.
9.7.3 Performance criteria; Voltage dips and interruptions	For a voltage dip corresponding to a reduction of the supply voltage of 30 % for 10 ms the performance criteria TT or CR specified in clauses 6.2 or 6.3 shall apply as appropriate.



CDMA Direct Spread (UTRA and E-UTRA)

1. General

EN 301 489-1 [1], table 2 contains the applicability of EMC immunity measurements to the relevant ports of radio and/or associated ancillary equipment.

2. Special conditions

The following special conditions set out in table 1, relate to the immunity test methods used in the EN 301 489-1 [1], clause 9.

Reference to clauses in ETSI EN 301 489-1 [1]	Special product-related conditions, additional to or modifying the test conditions in ETSI EN 301 489-1 [1], clause 9
9.2 Radio frequency electromagnetic field 9.2.2 Test method	When using the max hold detector method (see annex B) at each test frequency step initially an unmodulated test signal shall be applied. Then the test modulation shall be applied.
9.5 Radio frequency, common mode	There is no exclusion band for the equipment in the scope of the present document. When using the max hold detector method (see annex B) at each test frequency step initially an unmodulated test signal shall be applied. Then the test modulation shall be applied. The procedure used for identifying narrowband responses does not apply to conducted immunity tests in the frequency range 150 kHz to 80 MHz (see clause 4.4).
9.6.3 Performance criteria	During tests with pulses 3a and 3b, the performance criteria TT shall apply, see clause 6.2.

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8.2 Electrostatic Discharge(ESD)

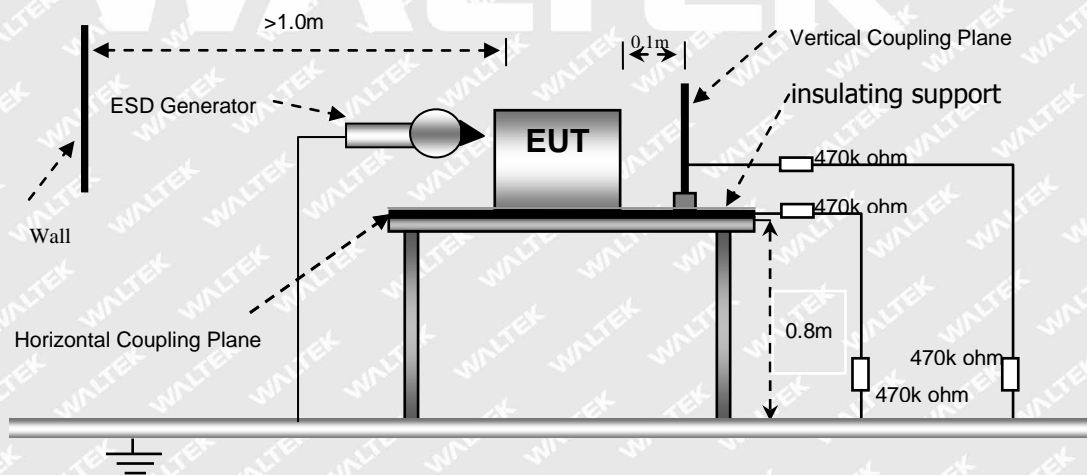
Test Method	: EN 301 489-1, EN 61000-4-2
Discharge Impedance	: 330 Ω / 150 pF
Discharge Voltage	: Air Discharge: $\pm 2,4,8$ KV Contact Discharge: $\pm 2,4$ kV HCP & VCP: $\pm 2,4$ kV
Polarity	: Positive & Negative
Discharge Repeat Times	: At Least 20 times at each test point
Discharge Mode	: Single Discharge
Discharge Period	: 1 second minimum

8.2.1 E.U.T. Operation

Operating Environment:	
Temperature	: 22.2°C
Humidity	: 42.4 % RH
Barometric Pressure	: 101.2kPa
EUT Operation	: Refer to section 6.5.

8.2.2 Block Diagram of Setup

The ESD test was performed in accordance with the EN 61000-4-2.





8.2.3 Test Results

Indirect Application			Performance Criteria	
Discharge Level (kV)	Polarity (+/-)	Test Point	Horizontal Coupling	Vertical Coupling
2,4	+/-	1	TT/TR	TT/TR
Remark: Test points : 1. All sides(Front/Top/ Back/ Left/Right Sides); 2. All test mode.				

Direct Application			Performance Criteria	
Discharge Level (kV)	Polarity (+/-)	Test Point	Contact Discharge	Air Discharge
2,4,8	+/-	1	N/A	TT/TR
2,4	+/-	2	TT/TR	N/A
Remark: Test points : 1. All Exposed Surface & Seams; 2. All metallic part; 3. All test mode. N/A: Not applicable.				

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8.3 Radiated Immunity(R/S)

Test Method	: EN 301 489-1, EN 61000-4-3
Face Under Test	: Three Mutually Orthogonal Faces
Severity	: 3V/m, 1kHz, 80% Amp. Mod. ; 3V/m, 200Hz, 100% Amp. Mod. ; CW;
Test Result	: PASS

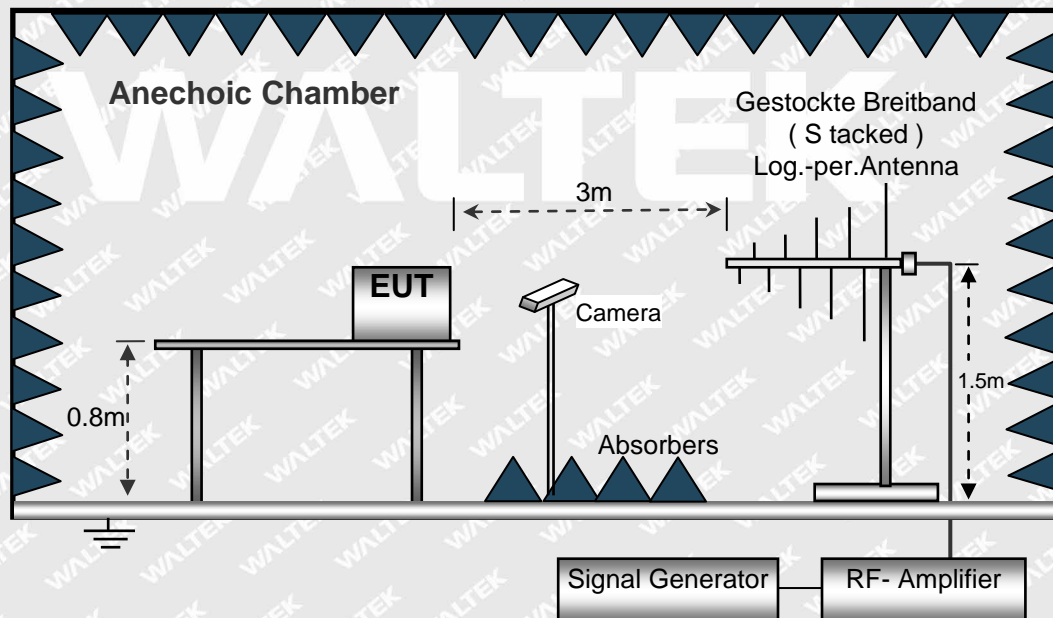
8.3.1 E.U.T. Operation

Operating Environment:

Temperature	: 23.1°C
Humidity	: 42.5 % RH
Barometric Pressure	: 101.2kPa
EUT Operation	: Refer to section 6.5.

8.3.2 Block Diagram of Setup

The Radiated Immunity test was performed in accordance with the EN 61000-4-3.





8.3.3 Test Results

EN 301 489-17

Frequency	Level	Modulation	EUT Face	Performance Criteria	BER
80MHz -3GHz,	3V/m	1kHz, 80%, Amp. Mod.	Front, Back Left, Right	CT/CR	0.000%
3GHz - 6GHz	3V/m	1kHz, 80%, Amp. Mod.	Front, Back Left, Right	CT/CR	0.000%

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Frequency	Level	Modulation/CW	EUT Face	Performance Criteria	BER
80MHz -3GHz,	3V/m	CW	Front, Back Left, Right	CT/CR	0.000%
80MHz -3GHz,	3V/m	1kHz, 80%, Amp. Mod.	Front, Back Left, Right	CT/CR	0.000%
3GHz - 6GHz	3V/m	CW	Front, Back Left, Right	CT/CR	0.000%
3GHz - 6GHz	3V/m	1kHz, 80%, Amp. Mod.	Front, Back Left, Right	CT/CR	0.000%

Note 1: The stepped frequency increments may be 50 kHz increment of the momentary frequency in the frequency range 150 kHz to 5 MHz. When using the max hold detector method, initially at each test frequency step an unmodulated immunity test signal shall be applied. Then the modulation of the immunity RF test signal (1 kHz tone) shall be applied as specified in the EN 301 489-1 [1].

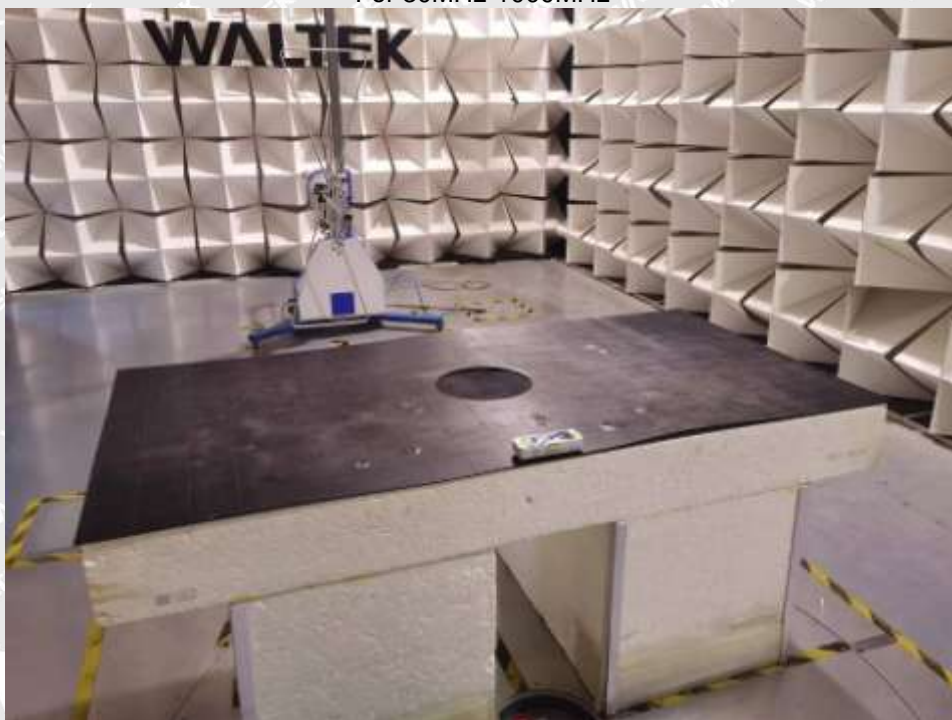
Note 2: The receiver mode, BER was recorded during test.



9 Photographs – Test Setup

9.1 Photograph - Radiated Emissions Test Setup

For 30MHz-1000MHz



For Above 1GHz





9.2 Photograph - Radiated immunity Test Setup





9.3 Photograph - ESD Test Setup



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10 Photographs of EUT

Note: Please refer to appendix: Appendix-CVZ-0303-Photos.

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

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