
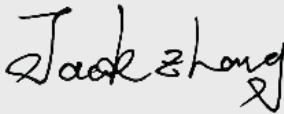




Test report No:  
2360494R-RF-US-P06V01

## FCC TEST REPORT

Product Name	Immobilizer
Trademark	Continental
Model and /or type reference	3H_IMMO
FCC ID	KR53HIMMO
Applicant's name / address	Continental Automotive Technologies GmbH Siemensstrasse 12 D-93055 Regensburg Germany
Test method requested, standard	CFR 47, FCC Part 15 C
Verdict Summary	IN COMPLIANCE
Documented By (name / position & signature)	Jun Xu/ Project Engeneer 
Approved by (name / position & signature)	Jack Zhang/ Manager 
Date of issue	2023-07-04
Report Version	V1.0
Report template No	Template_FCC Part 15C-RF-V1.0

## INDEX

	page
Competences and Guarantees.....	4
General conditions.....	4
Environmental conditions.....	4
Possible test case verdicts .....	5
Abbreviations .....	5
Document History .....	6
Remarks and Comments .....	6
Used Equipment .....	7
Uncertainty.....	8
1 General Information.....	9
1.1 General Description of the Item(s).....	9
1.2 Antenna Information.....	10
1.3 Channel List .....	11
2 Description of Test Setup .....	12
2.1 Operating mode(s) used for tests.....	12
2.2 Accessories Information.....	12
2.3 Auxiliary equipment / Test software for the EUT.....	12
2.4 Test Configuration / Block diagram used for tests .....	13
2.5 Testing process .....	14
3 Verdict summary section .....	15
3.1 Standards .....	15
3.2 Overview of results.....	15
3.3 Test Facility .....	16
4 Test Results.....	17
4.1 AC Power Line Conducted Emission .....	17
4.1.1 Limit.....	17
4.1.2 Test Setup.....	17
4.1.3 Test Procedure .....	17
4.1.4 Test Data.....	18
4.2 Radiated Emissions .....	19
4.2.1 Limit.....	19
4.2.2 Test Setup.....	20
4.2.3 Test Procedure .....	21
4.2.4 Test Data.....	22

---

4.3	Emission bandwidth .....	30
4.3.1	Limit.....	30
4.3.2	Test Setup.....	30
4.3.3	Test Procedure .....	30
4.3.4	Test Data.....	31
4.4	Antenna Requirement .....	32
4.4.1	Limit:.....	32
4.4.2	Antenna Connector Construction:.....	32
5	Test setup photo and EUT Photo .....	33

## COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

**IMPORTANT:** No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

## GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Jun. 15, 2023
Date (start test)	Jun. 16, 2023
Date (finish test)	Jun. 27, 2023

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

## ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

## POSSIBLE TEST CASE VERDICTS

---

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

## ABBREVIATIONS

---

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
QP	: Quasi-Peak
CAV	: CISPR Average
AV	: Average
CDN	: Coupling Decoupling Network
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
BW	: Bandwidth
AM	: Amplitude Modulation
PM	: Pulse Modulation
HCP	: Horizontal Coupling Plane
VCP	: Vertical Coupling Plane
$U_N$	: Nominal voltage
$T_x$	: Transmitter
$R_x$	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

## DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2360494R-RF-US-P06V01	V1.0	Initial issue of report.	2023-07-04

## REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with CFR 47, FCC Part 15 C .
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
  - Chapter 1.1 General Description of the Item(s);
  - Chapter 1.2 Antenna information.
  - Chapter 1.3 Channel List.

## USED EQUIPMENT

Radiated Emission / Emission bandwidth AC -2					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	R&S	ESCI	100573	2022.09.17	2023.09.16
MAX Signal Analyzer	Keysight	N9020B	MY59050482	2022.09.17	2023.09.16
Loop Antenna	R&S	HFH2-Z2E	101149	2023.04.25	2024.04.24
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2023.02.20	2024.02.19
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2023.05.21	2024.05.20
Temperature/Humidity Meter	RTS	RTS-8S	AC2-TH	2023.05.19	2024.05.18
Quietek EMI V3(test software)	Quietek	N/A	N/A	N/A	N/A
Note: All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

## UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95% and the value of the measurement uncertainty for the measurement of each parameter meets the requirement of standard allow the Maximum measurement uncertainties.

Test item	Uncertainty
AC Power Line Conducted Emission	$\pm 2.02$ dB
Radiated Emission(Below1GHz)	$\pm 3.80$ dB
RF antenna conducted test	$\pm 1.27$ dB
Emission bandwidth	$\pm 1$ kHz
Frequency Stability	$\pm 100$ Hz



# 1 GENERAL INFORMATION

## 1.1 General Description of the Item(s)

Product Name.....:	Immobilizer
Model No. ....:	3H_IMMO
Trademark .....	Continental
FCC ID .....	KR53HIMMO
Manufacturer.....:	Continental Automotive Technologies GmbH
Address.....:	Siemensstrasse 12 D-93055 Regensburg Germany
Factory .....	Continental Automotive Changchun Co., Ltd. Jingyue Branch
Address.....:	5800 Shengtai Street Changchun,130000 Jilin P.R. China

Wireless Specification.....:	RFID
Operating frequency range(s).....:	125 kHz
Type of modulation .....	ASK
Number of channel .....	1

Rated power supply .....	Voltage and Frequency	
	<input type="checkbox"/>	AC: 220 - 240 V, 50/60 Hz
	<input type="checkbox"/>	AC: 100 - 240 V, 50/60 Hz
	<input checked="" type="checkbox"/>	DC: 12V
	<input type="checkbox"/>	Battery:3.7V
	<input type="checkbox"/>	Adapter: 5V
Mounting position.....:	<input type="checkbox"/>	Table top equipment
	<input type="checkbox"/>	Wall/Ceiling mounted equipment
	<input type="checkbox"/>	Floor standing equipment
	<input type="checkbox"/>	Hand-held equipment
	<input checked="" type="checkbox"/>	Other: Equipment for vehicular use

## 1.2 Antenna Information

Antenna model / type number .....	N/A		
Antenna serial number.....	N/A		
Antenna Delivery .....	<input checked="" type="checkbox"/>	1TX + 1RX	
	<input type="checkbox"/>	2TX + 2RX	
	<input type="checkbox"/>	Others:.....	
Antenna technology .....	<input checked="" type="checkbox"/>	SISO	
	<input type="checkbox"/>	MIMO	<input type="checkbox"/> CDD
			<input type="checkbox"/> Beam-forming
Antenna Type .....	<input type="checkbox"/>	External	<input type="checkbox"/> Dipole
			<input type="checkbox"/> Sectorized
			<input type="checkbox"/> Monopole
	<input checked="" type="checkbox"/>	Internal	<input type="checkbox"/> PCB
			<input checked="" type="checkbox"/> Coil Antenna
			<input type="checkbox"/> Metal
			<input type="checkbox"/> Others.....
Antenna Gain.....	N/A		

### 1.3 Channel List

Working Frequency of Each Channel :							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	125 KHz	--	--	--	--	--	--

Note: The General Description of the Item , antenna information, Channel List for the EUT in clause 1 are provided and confirmed by the client.

## 2 DESCRIPTION OF TEST SETUP

### 2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

Test Mode	Mode 1: Transmit
-----------	------------------

### 2.2 Accessories Information

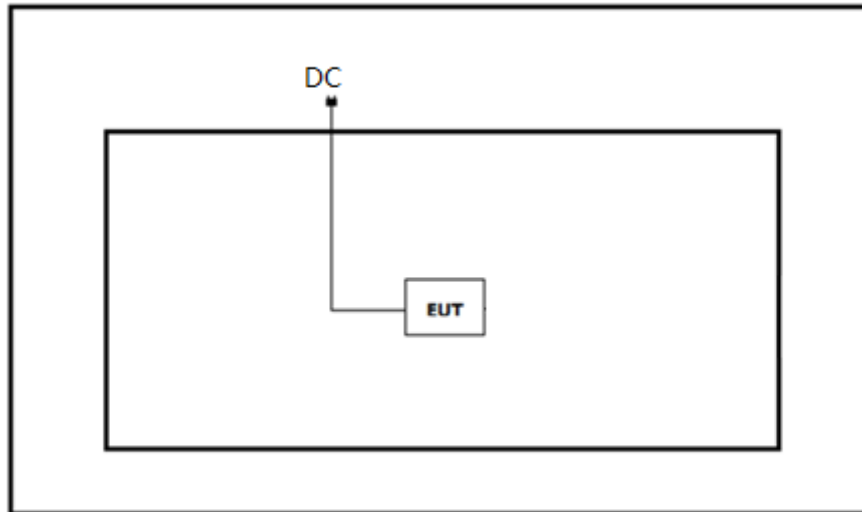
Accessories Information	Brand/model name	Cable		
		Length used during test [m]	Attached during test	Shielded
N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

### 2.3 Auxiliary equipment / Test software for the EUT

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
N/A	N/A	N/A	N/A
software	Type / Version	Manufacturer	Supplied by
N/A	N/A	N/A	N/A

## 2.4 Test Configuration / Block diagram used for tests

Test setup Diagram- Radiated Emission Test



## 2.5 Testing process

1	Setup the EUT as shown in Section 2.4.
2	Execute the power on the EUT.
3	Verify that the EUT works properly.

### 3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

#### 3.1 Standards

Standard	Year	Description
FCC CFR Title 47 Part 15 Subpart C	2023	Intentional Radiators

#### 3.2 Overview of results

Requirement – Test case	Basic standard(s)	Verdict	Remark
AC Power Line Conducted Emission	FCC CFR Title 47 Part 15 Subpart C Section 15.207	N/A	---
Field Strength of Spurious	FCC CFR Title 47 Part 15 Subpart C Section 15.209	PASS	---
Emission bandwidth	FCC CFR Title 47 Part 15 Subpart C Section 15.215(c)	PASS	---
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C Section 15.203	PASS	---

### 3.3 Test Facility

USA : FCC Designation Number: CN1199



## 4 TEST RESULTS

<b>4.1 AC Power Line Conducted Emission</b>	<b>VERDICT: N/A</b>
---	---------------------

### 4.1.1 Limit

<b>Standard</b>	FCC Part 15 Subpart E Paragraph 15.207		
Frequency range [MHz]	Limit: QP [dB(μV) <sup>1)</sup>	Limit: AV [dB(μV) <sup>1)</sup>	
0,15 - 0,50	66 - 56 <sup>2)</sup>	56 - 46 <sup>2)</sup>	
0,50 - 5,0	56	46	
5,0 - 30	60	50	

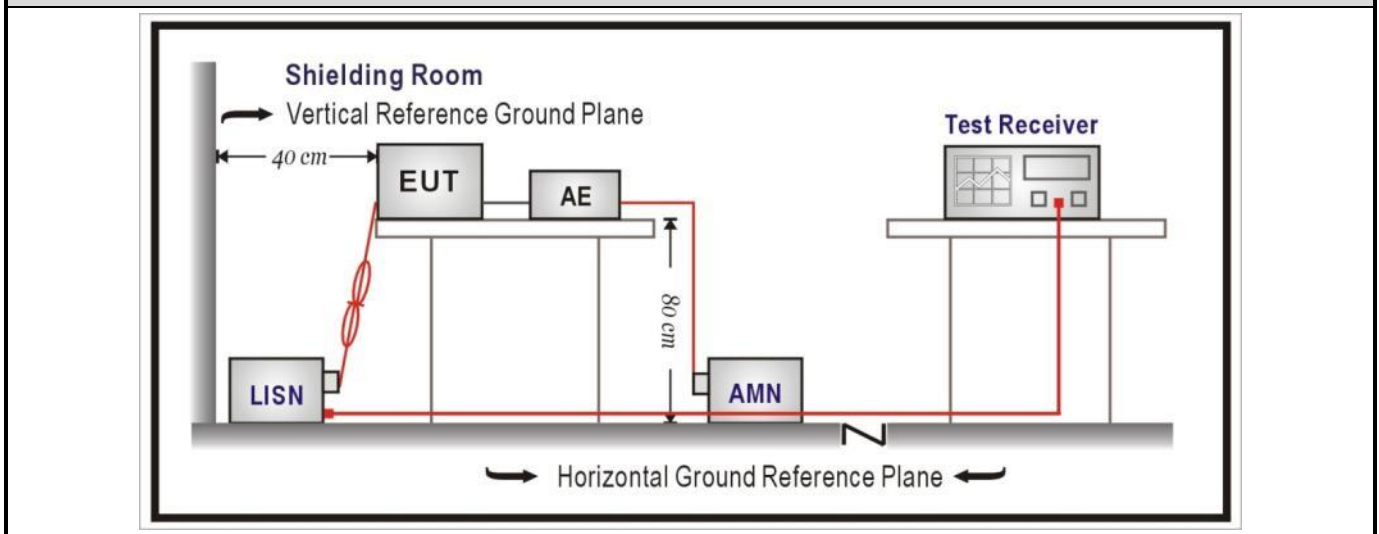
<sup>1)</sup> At the transition frequency, the lower limit applies.

<sup>2)</sup> The limit decreases linearly with the logarithm of the frequency.

**NOTE 1:** The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.

**NOTE 2:** Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

### 4.1.2 Test Setup



### 4.1.3 Test Procedure

	References Rule	Chapter	Item
<input checked="" type="checkbox"/>	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

#### 4.1.4 Test Data

N/A: The sample is supply by DC .

<b>4.2 Radiated Emissions</b>	<b>VERDICT: PASS</b>
-------------------------------	----------------------

<b>4.2.1 Limit</b>	
<b>Standard</b>	FCC Part 15 Subpart C Paragraph 15. 209

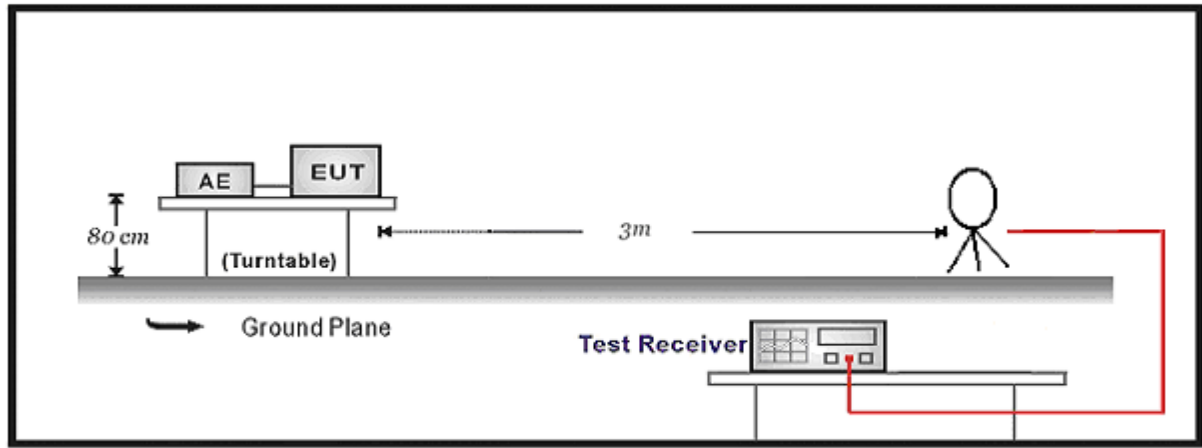
Restricted Band Emissions Limit			
Frequency (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 <sup>(Note 1)</sup>
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 <sup>(Note 1)</sup>
1.705 - 30	30	29.5	30 <sup>(Note 1)</sup>
30 - 88	100	40	3 <sup>(Note 2)</sup>
88 - 216	150	43.5	3 <sup>(Note 2)</sup>
216 - 960	200	46	3 <sup>(Note 2)</sup>
Above 960	500	54	3 <sup>(Note 2)</sup>

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

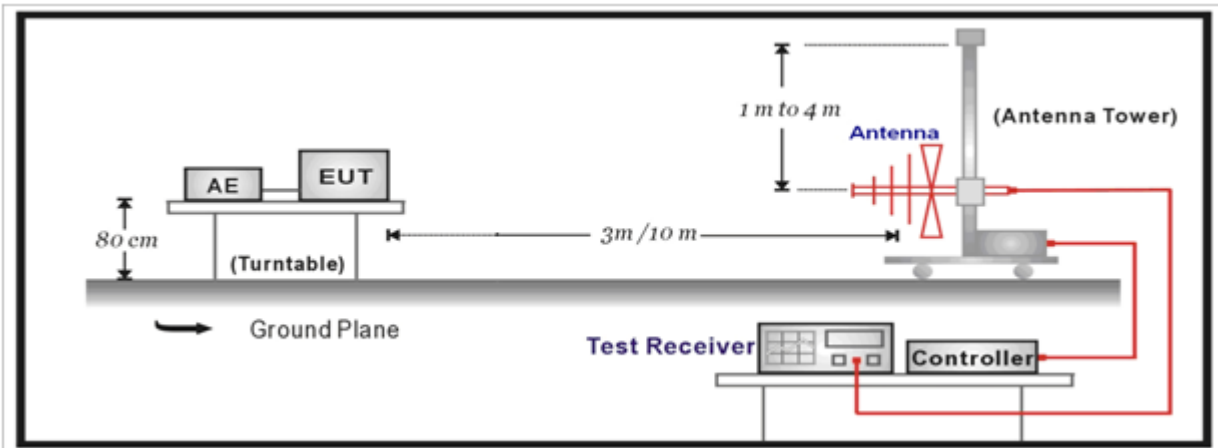
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

### 4.2.2 Test Setup

Below 30MHz Test Setup:



30MHz-1GHz Test Setup:

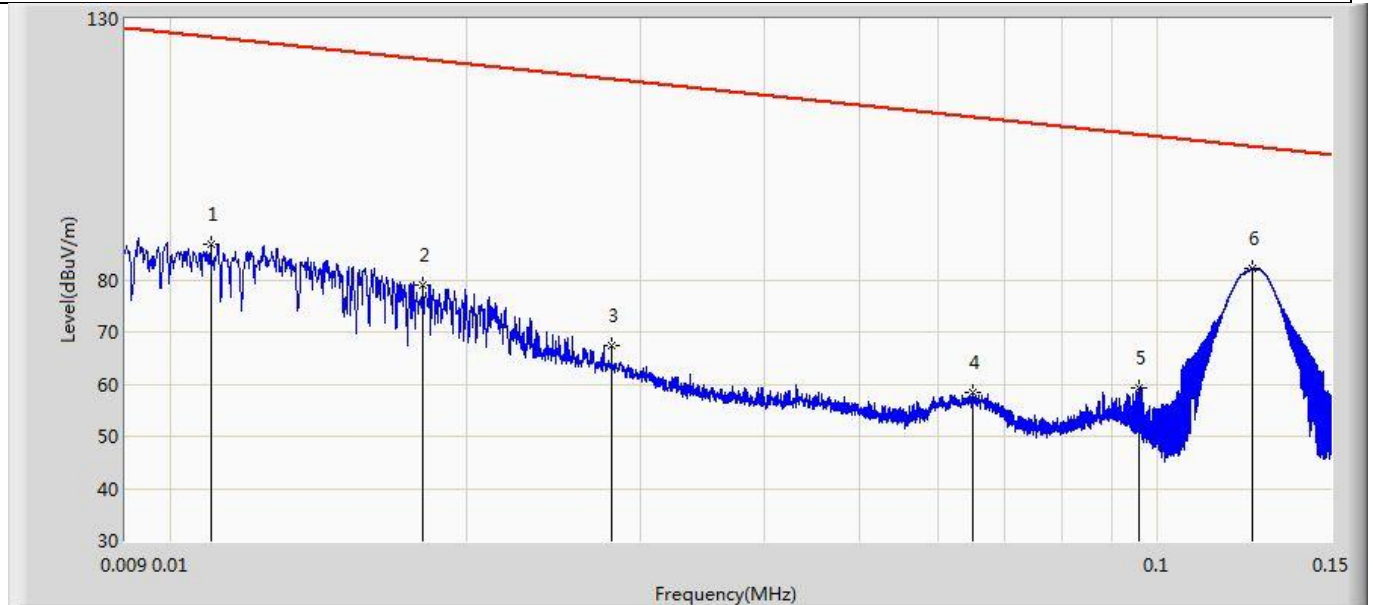


#### 4.2.3 Test Procedure

	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
<input checked="" type="checkbox"/>	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
<input type="checkbox"/>	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

**4.2.4 Test Data**

Profile: 2390494R	Page No.: 1
Engineer: Pengchengyang	
Site: AC2	Time: 2023/0626 20:03
Limit: 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: X
EUT: Immobilizer	Power: 12Vdc
Note: Mode 1: Transmit	

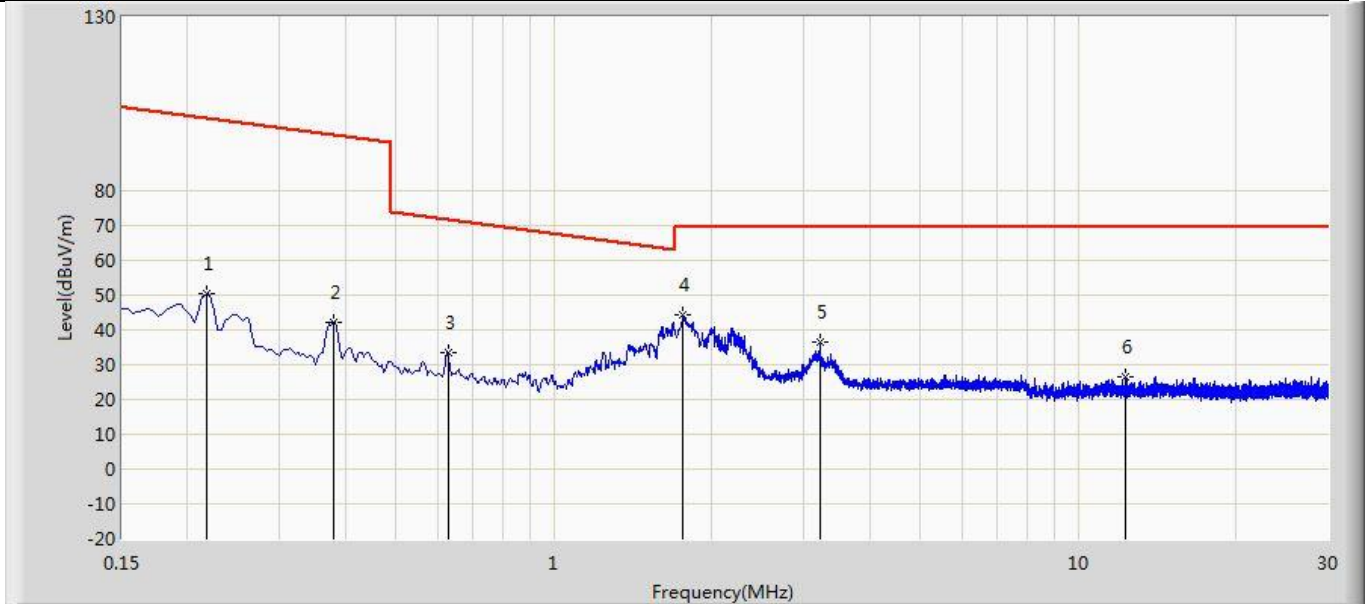


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.011	86.774	65.681	-39.883	126.658	21.094	PK
2		0.018	78.947	57.636	-43.436	122.383	21.311	PK
3		0.028	67.266	45.645	-51.281	118.547	21.622	PK
4		0.065	58.441	36.507	-52.795	111.236	21.934	PK
5		0.096	59.390	37.492	-48.461	107.851	21.898	PK
6	*	0.125	82.061	60.196	-23.498	105.559	21.865	PK

Note 1. Mark 6 is the fundamental emission.

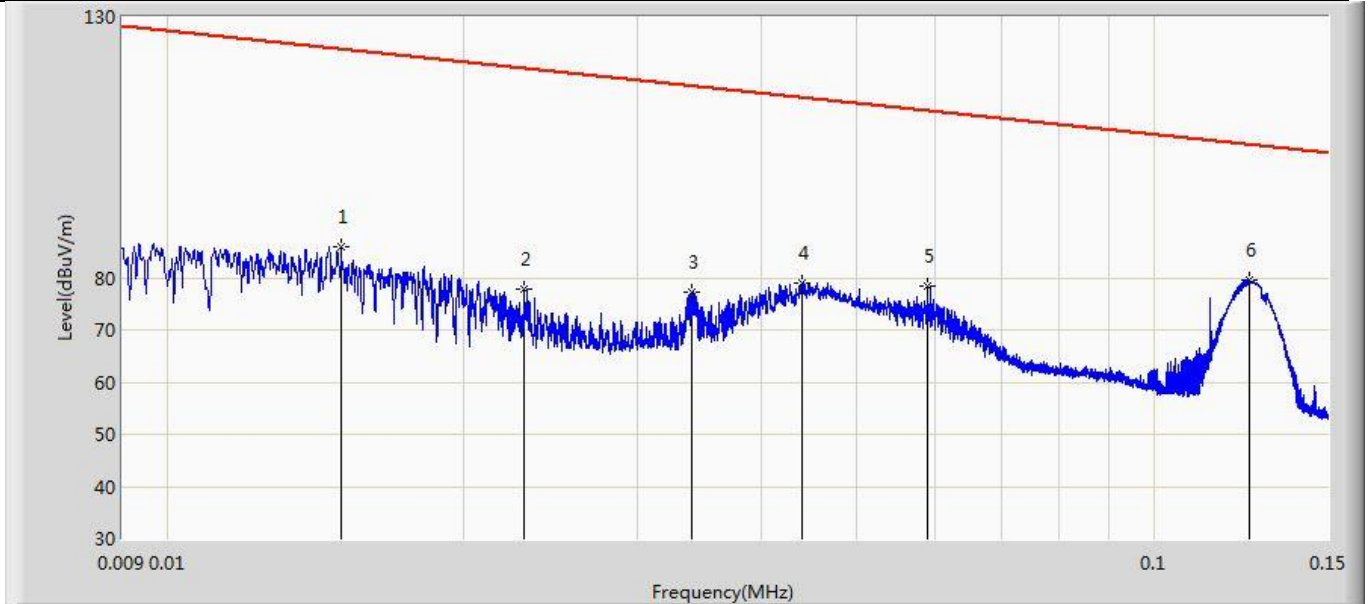
2. Except Main frequency, others are noise floor.

Profile: 2390494R	Page No.: 2
Engineer: Pengchengyang	
Site: AC2	Time: 2023/0626 20:05
Limit: 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: X
EUT: Immobilizer	Power: 12Vdc
Note: Mode 1: Transmit	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.217	50.467	28.687	-50.304	100.771	21.780	PK
2		0.381	41.988	20.387	-53.896	95.884	21.601	PK
3		0.628	33.391	12.305	-38.160	71.551	21.085	PK
4	*	1.762	44.211	23.504	-25.189	69.400	20.708	PK
5		3.228	36.325	15.524	-33.075	69.400	20.801	PK
6		12.318	26.527	5.642	-42.873	69.400	20.885	PK

Profile: 2390494R	Page No.: 3
Engineer: Pengchengyang	
Site: AC2	Time: 2023/0626 20:09
Limit: 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Y
EUT: Immobilizer	Power: 12Vdc
Note: Mode 1: Transmit	



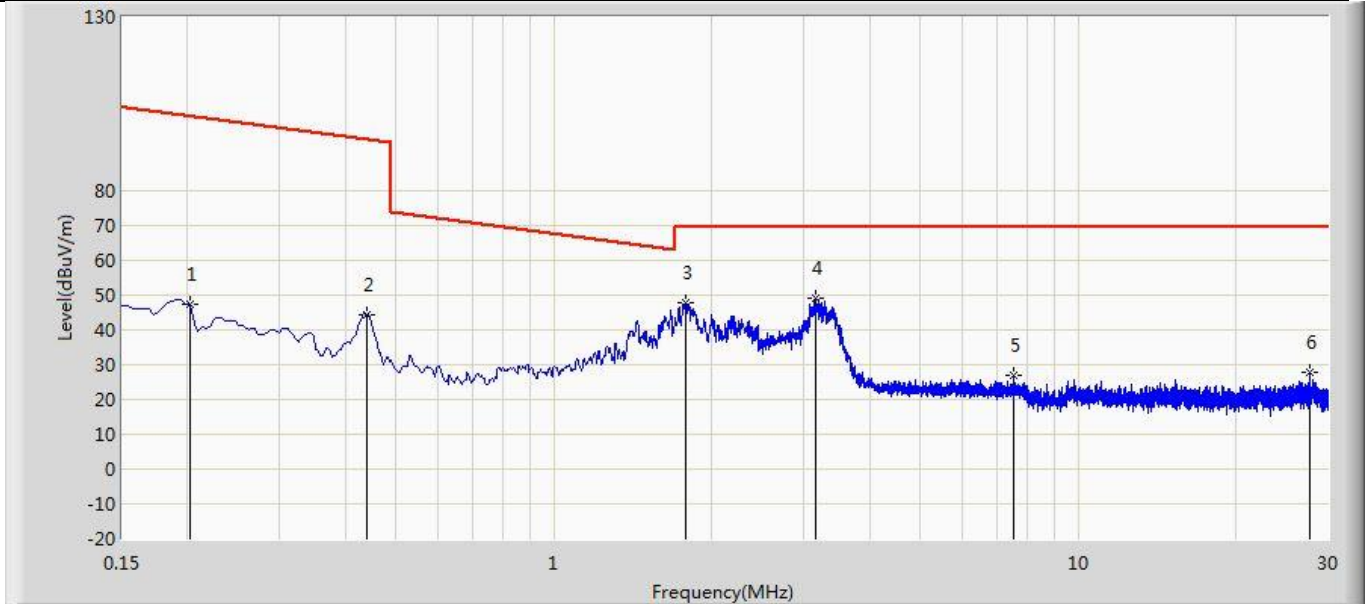
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.015	86.003	65.285	-37.963	123.965	20.718	PK
2		0.023	77.921	56.955	-42.334	120.255	20.966	PK
3		0.034	77.316	56.009	-39.545	116.862	21.308	PK
4		0.044	78.945	57.488	-35.679	114.623	21.457	PK
5		0.059	78.435	56.995	-33.641	112.077	21.441	PK
6	*	0.125	79.540	58.175	-26.019	105.559	21.365	PK

Note 1. Mark 6 is the fundamental emission.

2. Except Main frequency, others are noise floor.

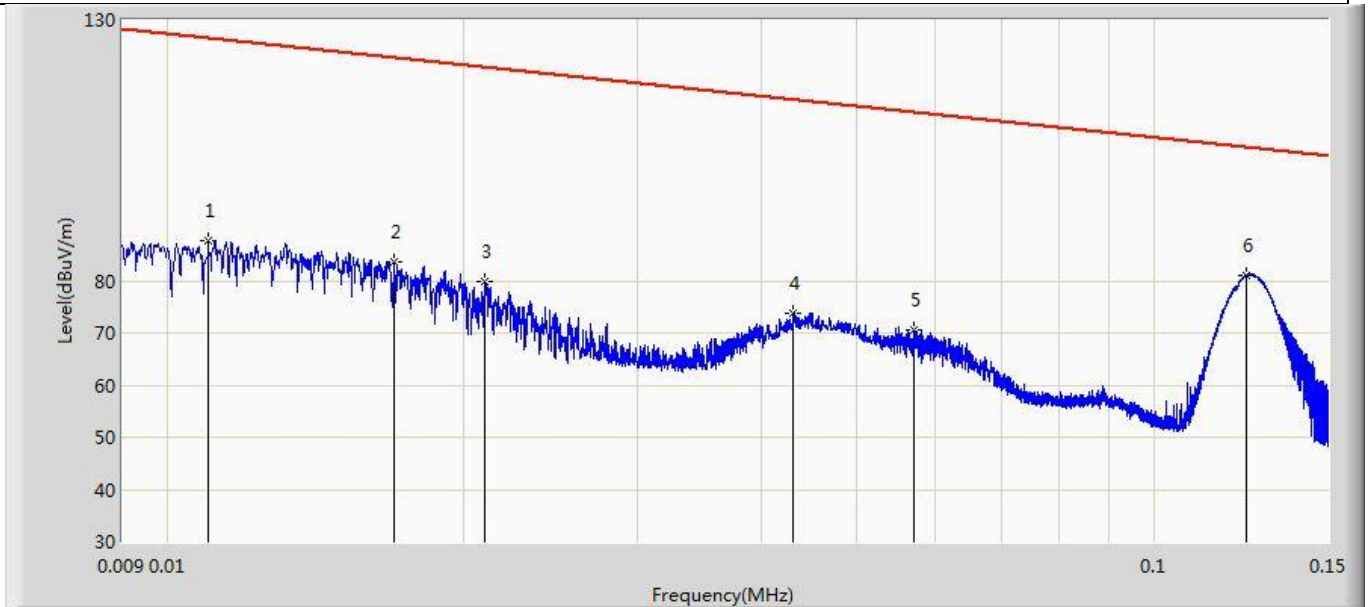


Profile: 2390494R	Page No.: 4
Engineer: Pengchengyang	
Site: AC2	Time: 2023/0626 20:15
Limit: 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Y
EUT: Immobilizer	Power: 12Vdc
Note: Mode 1: Transmit	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.202	47.331	26.044	-54.062	101.393	21.287	PK
2		0.441	44.446	23.397	-50.168	94.615	21.050	PK
3		1.784	47.843	27.615	-21.557	69.400	20.228	PK
4	*	3.161	49.297	28.993	-20.103	69.400	20.304	PK
5		7.549	27.101	7.017	-42.299	69.400	20.084	PK
6		27.713	28.020	7.668	-41.380	69.400	20.352	PK

Profile: 2390494R	Page No.: 5
Engineer: Pengchengyang	
Site: AC2	Time: 2023/06/26 - 20:35
Limit: 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Z
EUT: Immobilizer	Power: 12Vdc
Note: Mode 1: Transmit	

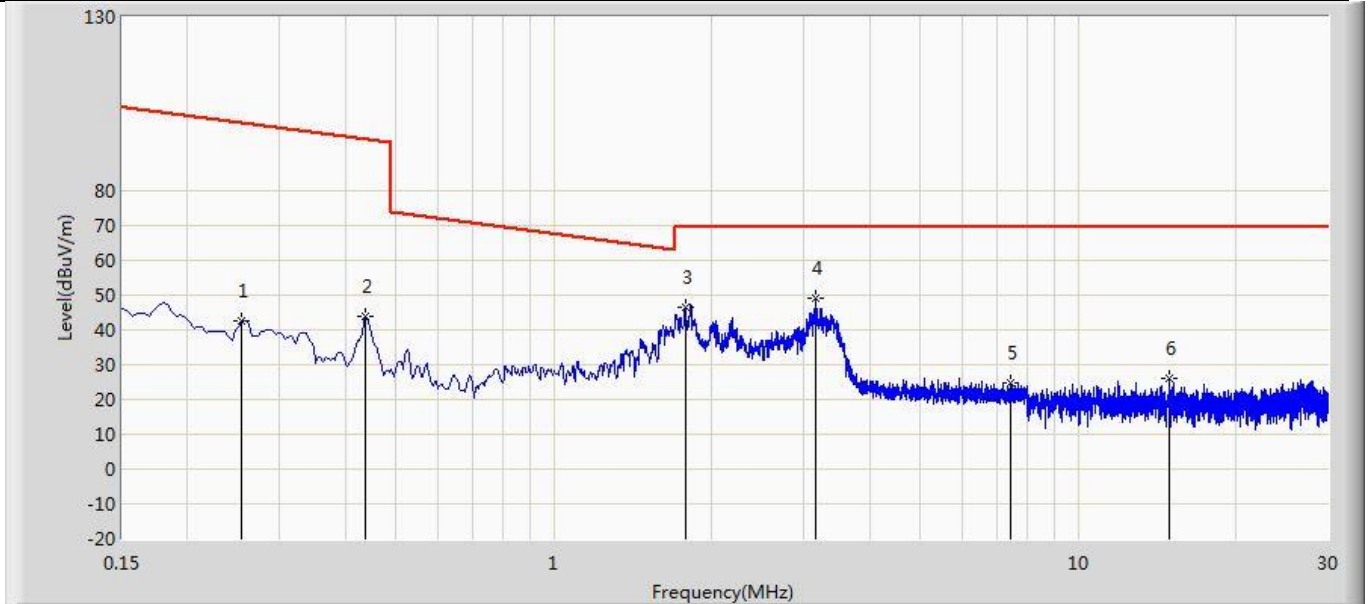


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.011	87.621	67.028	-39.036	126.658	20.594	PK
2		0.017	83.712	62.932	-39.167	122.879	20.780	PK
3		0.021	79.789	58.885	-41.256	121.045	20.904	PK
4		0.043	73.788	52.330	-41.035	114.823	21.458	PK
5		0.057	70.622	49.179	-41.755	112.376	21.443	PK
6	*	0.124	81.091	59.725	-24.538	105.629	21.366	PK

Note 1. Mark 6 is the fundamental emission.

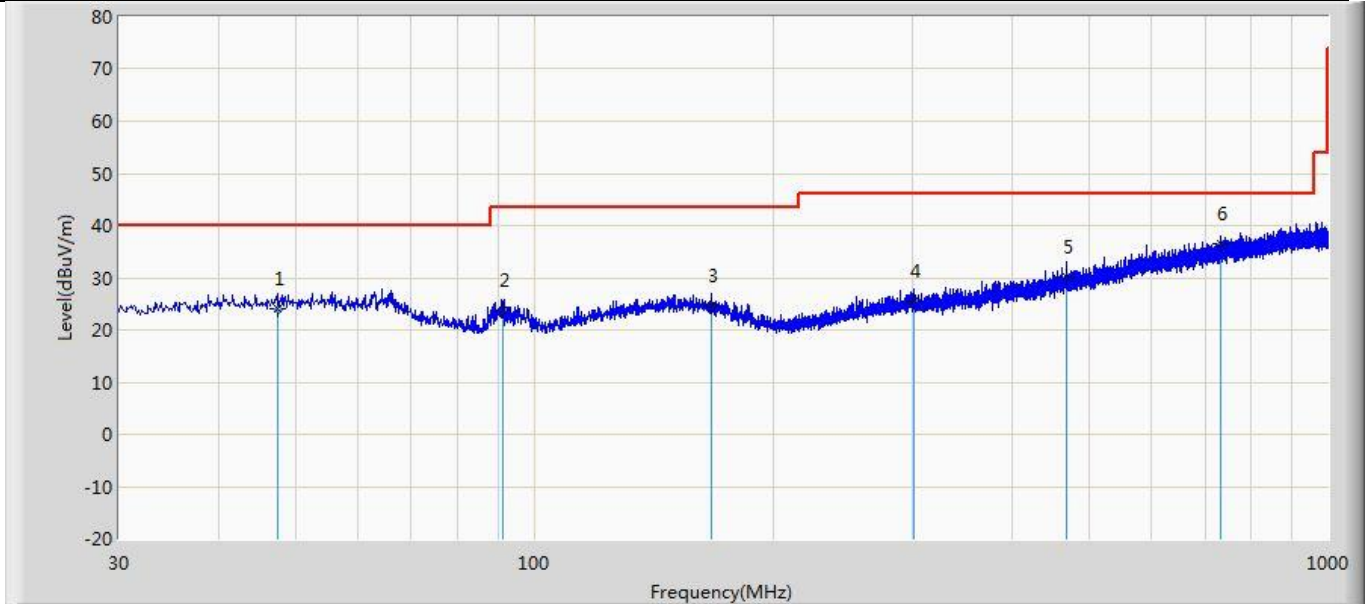
2. Except Main frequency, others are noise floor.

Profile: 2390494R	Page No.: 6
Engineer: Pengchengyang	
Site: AC2	Time: 2023/06/26 - 20:37
Limit: 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Z
EUT: Immobilizer	Power: 12Vdc
Note: Mode 1: Transmit	



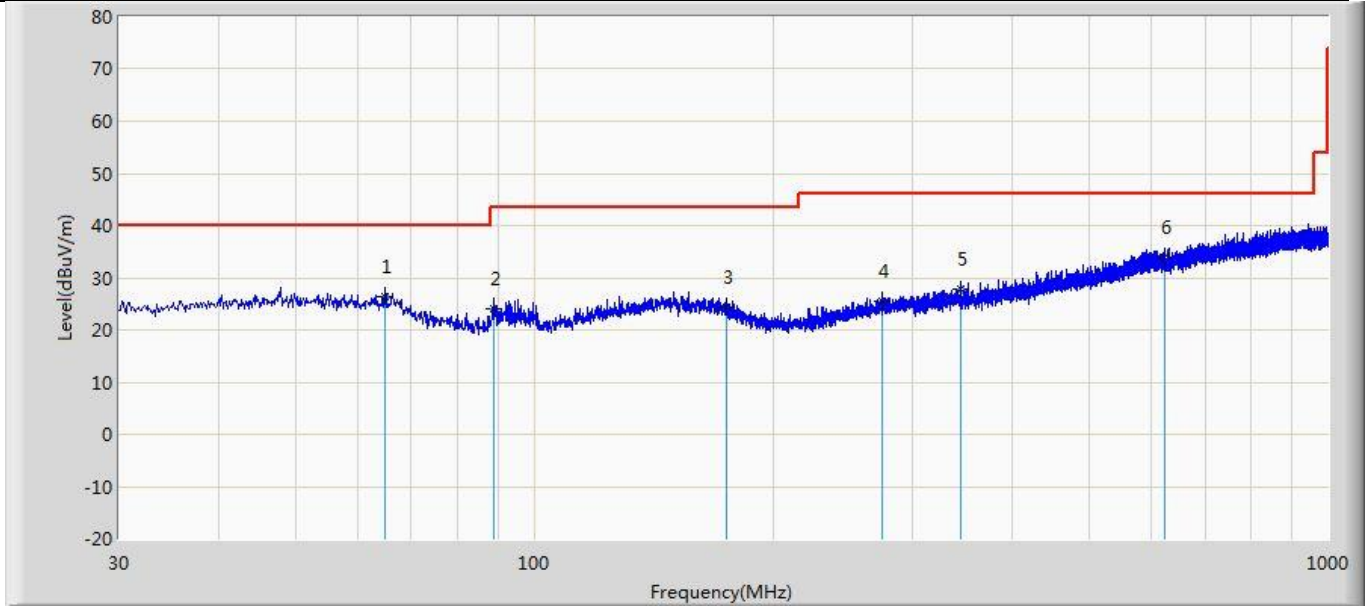
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.254	42.531	21.297	-56.873	99.404	21.234	PK
2		0.437	44.010	22.957	-50.683	94.694	21.053	PK
3		1.781	46.647	26.422	-22.753	69.400	20.225	PK
4	*	3.154	49.222	28.916	-20.178	69.400	20.306	PK
5		7.426	24.743	4.656	-44.657	69.400	20.087	PK
6		14.971	25.900	5.155	-43.500	69.400	20.745	PK

Profile: 2390494R	Page No.: 1
Engineer: Pengchengyang	
Site: AC2	Time: 2023/06/26 - 18:05
Limit: FCC_Part 15.209_RE (3m)	Margin: 0
Probe: SuZ-2558	Polarity: Horizontal
EUT: Immobilizer	Power: 12Vdc
Note: Mode 1: Transmit	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		47.460	24.167	3.916	-15.833	40.000	20.251	QP
2		91.231	23.816	8.993	-19.684	43.500	14.823	QP
3		167.012	24.557	4.337	-18.943	43.500	20.220	QP
4		301.115	25.419	4.464	-20.581	46.000	20.955	QP
5		468.319	30.033	4.832	-15.967	46.000	25.201	QP
6	*	733.856	36.610	6.333	-9.390	46.000	30.278	QP

Profile: 2390494R	Page No.: 2
Engineer: Pengchengyang	
Site: AC2	Time: 2023/06/26 - 18:08
Limit: FCC_Part 15.209_RE (3m)	Margin: 0
Probe: SuZ-2558	Polarity: Vertical
EUT: Immobilizer	Power: 12Vdc
Note: Mode 1: Transmit	



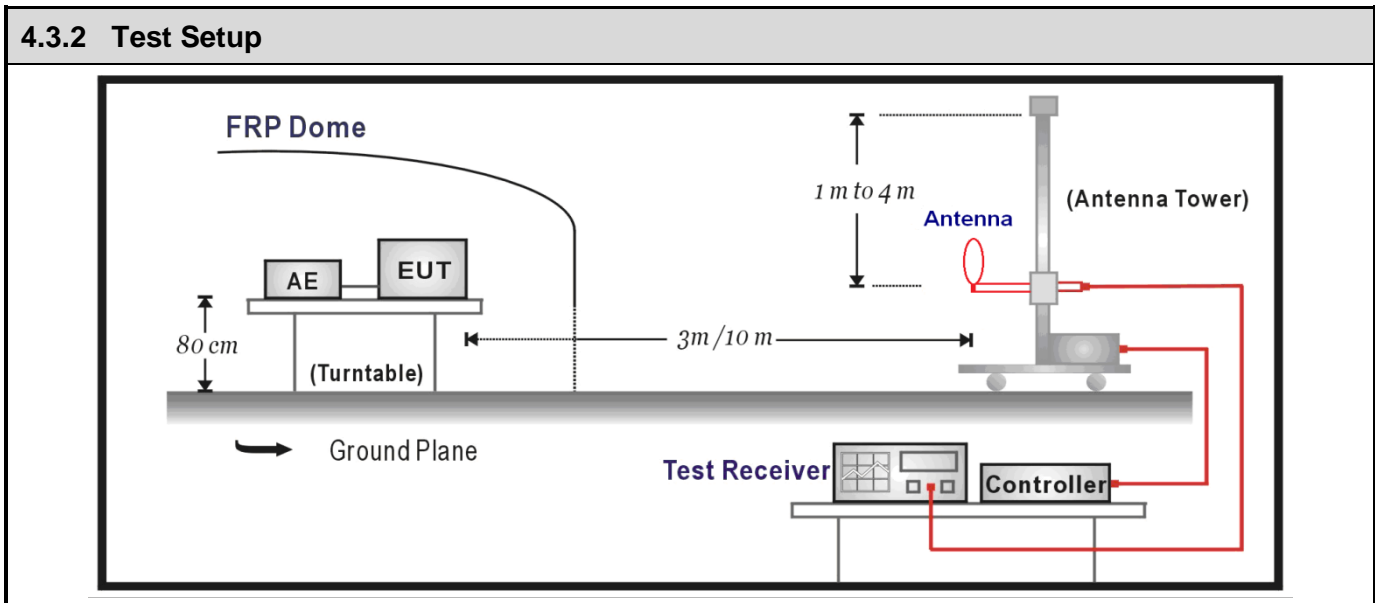
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		64.799	26.505	7.528	-13.495	40.000	18.977	QP
2		89.049	24.117	9.272	-19.383	43.500	14.844	QP
3		174.409	24.338	4.776	-19.162	43.500	19.562	QP
4		274.440	25.608	5.447	-20.392	46.000	20.161	QP
5		345.008	27.916	5.846	-18.084	46.000	22.070	QP
6	*	623.519	33.881	5.565	-12.119	46.000	28.317	QP

Note:

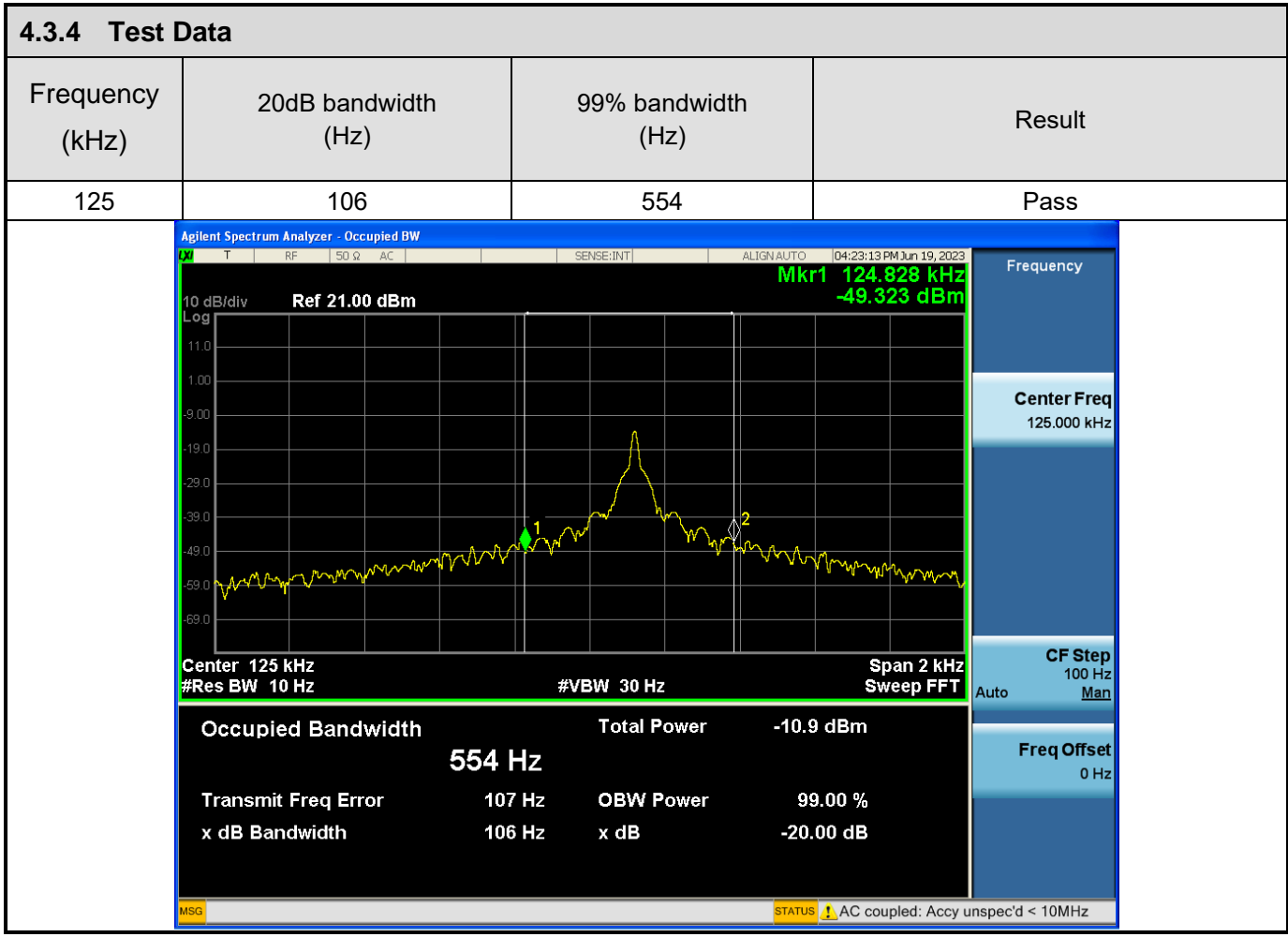
1. " \* ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

<b>4.3 Emission bandwidth</b>	<b>VERDICT: PASS</b>
-------------------------------	----------------------

<b>4.3.1 Limit</b>	
<b>Standard</b>	FCC Part 15 Subpart C Paragraph 15.215
Within the band.	



<b>4.3.3 Test Procedure</b>			
	Reference Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	6.9.2	Occupied bandwidth—relative measurement procedure



<b>4.4 Antenna Requirement</b>	<b>VERDICT: PASS</b>
--------------------------------	----------------------

**4.4.1 Limit:**

<b>Standard</b>	FCC Part 15 Subpart E Paragraph 15.203
<p>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.</p>	

**4.4.2 Antenna Connector Construction:**

<input type="checkbox"/>	The use of a permanently attached antenna
<input checked="" type="checkbox"/>	The antenna use of a unique coupling to the intentional radiator
<input type="checkbox"/>	The use of a nonstandard antenna jack or electrical connector
Please refer to the attached document "Internal Photograph" to show the antenna connector.	



<b>5 TEST SETUP PHOTO AND EUT PHOTO</b>	<b>VERDICT: PASS</b>
---	----------------------

Remark: The test setup photo and EUT Photo please see appendix.

\_\_\_\_\_ The End \_\_\_\_\_