



No. 1 Workshop, M-10, Middle section, Science & Technology Park,  
Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053  
Fax: +86 (0) 755 2671 0594  
Email: ee.shenzhen@sgs.com

Report No.: SZEM180800786403  
Page: 1 of 45

## **TEST REPORT**

**Application No.:** SZEM1808007864CR  
**Applicant:** Shenzhen Delux Industry Co., Ltd  
**Address of Applicant:** Delux Industrial Park, Lanzhu Street New Pingshan District, Shenzhen City, 518118, China  
**Manufacturer:** Shenzhen Delux Industry Co., Ltd  
**Address of Manufacturer:** Delux Industrial Park, Lanzhu Street New Pingshan District, Shenzhen City, 518118, China  
**Factory:** Wuhu Delux Mobile Internet Device Company Limited  
**Address of Factory:** Delux Industrial Park, Xici 3 Road, Xinwu Development Zone, Wanzhi Town, Wuhu County, Anhui Province, China

**Equipment Under Test (EUT):**

**EUT Name:** Wireless Mouse  
**Model No.:** M618mini  
**FCC ID:** SGPM6181801  
**Trade mark:** Delux  
**Standard(s) :** 47 CFR Part 15, Subpart C 15.249  
**Date of Receipt:** 2018-08-28  
**Date of Test:** 2018-09-07 to 2018-10-09  
**Date of Issue:** 2018-10-16

<b>Test Result:</b>	<b>Pass*</b>
---------------------	--------------

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



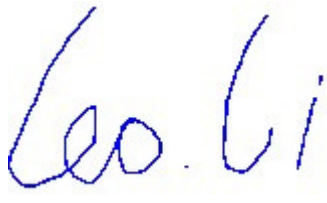

Keny Xu  
EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



<i>Revision Record</i>				
<i>Version</i>	<i>Chapter</i>	<i>Date</i>	<i>Modifier</i>	<i>Remark</i>
01		2018-10-16		Original

Authorized for issue by:			
			
	<hr/>		
	Leo Li /Project Engineer		
			
	<hr/>		
	Eric Fu /Reviewer		



## 2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.249	N/A	47 CFR Part 15, Subpart C 15.203	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
20dB Bandwidth	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.9	47 CFR Part 15, Subpart C 15.215	Pass
Field Strength of the Fundamental Signal (15.249(a))	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.5&6.6	47 CFR Part 15, Subpart C 15.249(a)	Pass
Restricted Band Around Fundamental Frequency	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.4&6.5&6.6	47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209	Pass
Radiated Emissions	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.4&6.5&6.6	47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)	Pass



### 3 Contents

	Page
<b>1 COVER PAGE</b> .....	<b>1</b>
<b>2 TEST SUMMARY</b> .....	<b>3</b>
<b>3 CONTENTS</b> .....	<b>4</b>
<b>4 GENERAL INFORMATION</b> .....	<b>5</b>
4.1 DETAILS OF E.U.T. ....	5
4.2 DESCRIPTION OF SUPPORT UNITS .....	6
4.3 MEASUREMENT UNCERTAINTY .....	6
4.4 TEST LOCATION.....	7
4.5 TEST FACILITY.....	7
4.6 DEVIATION FROM STANDARDS.....	7
4.7 ABNORMALITIES FROM STANDARD CONDITIONS .....	7
<b>5 EQUIPMENT LIST</b> .....	<b>8</b>
<b>6 RADIO SPECTRUM TECHNICAL REQUIREMENT</b> .....	<b>11</b>
6.1 ANTENNA REQUIREMENT .....	11
6.1.1 <i>Test Requirement:</i> .....	11
6.1.2 <i>Conclusion</i> .....	11
<b>7 RADIO SPECTRUM MATTER TEST RESULTS</b> .....	<b>12</b>
7.1 CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ).....	12
7.1.1 <i>E.U.T. Operation</i> .....	12
7.1.2 <i>Measurement Procedure and Data</i> .....	12
7.2 20DB BANDWIDTH .....	15
7.2.1 <i>E.U.T. Operation</i> .....	15
7.2.2 <i>Test Setup Diagram</i> .....	15
7.2.3 <i>Measurement Procedure and Data</i> .....	15
7.3 FIELD STRENGTH OF THE FUNDAMENTAL SIGNAL (15.249(A)).....	19
7.3.1 <i>E.U.T. Operation</i> .....	21
7.3.2 <i>Test Setup Diagram</i> .....	21
7.3.3 <i>Measurement Procedure and Data</i> .....	21
7.4 RESTRICTED BAND AROUND FUNDAMENTAL FREQUENCY .....	28
7.4.1 <i>E.U.T. Operation</i> .....	29
7.4.2 <i>Test Setup Diagram</i> .....	29
7.4.3 <i>Measurement Procedure and Data</i> .....	30
7.5 RADIATED EMISSIONS .....	35
7.5.1 <i>E.U.T. Operation</i> .....	36
7.5.2 <i>Test Setup Diagram</i> .....	36
7.5.3 <i>Measurement Procedure and Data</i> .....	36
<b>8 PHOTOGRAPHS</b> .....	<b>45</b>
8.1 TEST SETUP .....	45
8.2 EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS).....	45

## 4 General Information

### 4.1 Details of E.U.T.

Power supply:	Lithium Ion Battery: 3.7V 1000mAh rechargeable battery which charged by USB port
Cable:	Type C cable: 140cm unshielded
Operation Frequency	2405MHz to 2470MHz
Modulation Type	GFSK
Number of Channels	8
Antenna Gain	1.34dBi
Antenna Type:	PCB Antenna

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2405MHz	3	2422MHz	5	2440MHz	7	2460MHz
2	2413MHz	4	2430MHz	6	2450MHz	8	2470MHz

Using test software was control EUT work in continuous transmitter and receiver mode.and select test channel as below:

Channel	Frequency
The lowest channel (CH1)	2405MHz
The middle channel (CH4)	2430MHz
The highest channel (CH8)	2470MHz

#### 4.2 Description of Support Units

Micro USB Cable	PHILIPS	SWR2101	REF. No.SEA0700
AC/DC Adapter	Apple	A1357 W010A051	REF. No.:SEA0500

#### 4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	$\pm 7.25 \times 10^{-8}$
2	Duty cycle	$\pm 0.37\%$
3	Occupied Bandwidth	$\pm 3\%$
4	RF conducted power	$\pm 0.75\text{dB}$
5	RF power density	$\pm 2.84\text{dB}$
6	Conducted Spurious emissions	$\pm 0.75\text{dB}$
7	RF Radiated power	$\pm 4.5\text{dB}$ (below 1GHz)
		$\pm 4.8\text{dB}$ (above 1GHz)
8	Radiated Spurious emission test	$\pm 4.5\text{dB}$ (Below 1GHz)
		$\pm 4.8\text{dB}$ (Above 1GHz)
9	Temperature test	$\pm 1^\circ\text{C}$
10	Humidity test	$\pm 3\%$
11	Supply voltages	$\pm 1.5\%$
12	Time	$\pm 3\%$



#### **4.4 Test Location**

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China.  
518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

#### **4.5 Test Facility**

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

- **CNAS (No. CNAS L2929)**

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

- **VCCI**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

- **FCC –Designation Number: CN1178**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

- **Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

#### **4.6 Deviation from Standards**

None

#### **4.7 Abnormalities from Standard Conditions**

None



## 5 Equipment List

<b>Conducted Emissions at AC Power Line (150kHz-30MHz)</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017-05-10	2020-05-09
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2018-07-12	2019-07-11
LISN	Rohde & Schwarz	ENV216	SEM007-01	2018-09-25	2019-09-24
LISN	ETS-LINDGREN	3816/2	SEM007-02	2018-04-02	2019-04-01
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2018-04-02	2019-04-01

<b>20dB Bandwidth</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2018-09-25	2019-09-24
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2018-04-02	2019-04-01
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2018-07-12	2019-07-11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2018-09-27	2019-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2018-09-25	2019-09-24

<b>Field Strength of the Fundamental Signal (15.249(a))</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018-03-13	2021-03-12
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2018-07-12	2019-07-11
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2018-04-02	2019-04-01
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017-06-27	2020-06-26
Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018-04-13	2021-04-12
Horn Antenna (15GHz-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017-10-17	2020-10-16
Pre-amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2018-09-25	2019-09-24
Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2018-09-27	2019-09-26
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2018-04-02	2019-04-01
Pre-amplifier (26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2018-04-02	2019-04-01





**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZEM180800786403

Page: 9 of 45

DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2018-09-25	2019-09-24
Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2017-08-22	2020-08-21
Band filter	N/A	N/A	SEM023-01	N/A	N/A

<b>Restricted Band Around Fundamental Frequency</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018-03-13	2021-03-12
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2018-07-12	2019-07-11
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2018-04-02	2019-04-01
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017-06-27	2020-06-26
Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018-04-13	2021-04-12
Horn Antenna (15GHz-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017-10-17	2020-10-16
Pre-amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2018-09-25	2019-09-24
Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2018-09-27	2019-09-26
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2018-04-02	2019-04-01
Pre-amplifier(26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2018-04-02	2019-04-01
DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2018-09-25	2019-09-24
Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2017-08-22	2020-08-21
Band filter	N/A	N/A	SEM023-01	N/A	N/A

<b>Radiated Emissions</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018-03-13	2021-03-12
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2018-07-12	2019-07-11
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2018-04-02	2019-04-01
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017-06-27	2020-06-26
Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018-04-13	2021-04-12
Horn Antenna (15GHz-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017-10-17	2020-10-16

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Pre-amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2018-09-25	2019-09-24
Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2018-09-27	2019-09-26
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2018-04-02	2019-04-01
Pre-amplifier (26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2018-04-02	2019-04-01
DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2018-09-25	2019-09-24
Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2017-08-22	2020-08-21
Band filter	N/A	N/A	SEM023-01	N/A	N/A

<b>RE in Chamber</b>					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017-08-05	2020-08-04
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2018-09-27	2019-09-26
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017-06-27	2020-06-26
Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEM005-01	2018-04-02	2019-04-01
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2018-07-12	2019-07-11

<b>General used equipment</b>					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-03	2018-09-27	2019-09-26
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2018-09-27	2019-09-26
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2018-09-27	2019-09-26
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2018-04-08	2019-04-07

## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

Limit:

15.203 requirement:

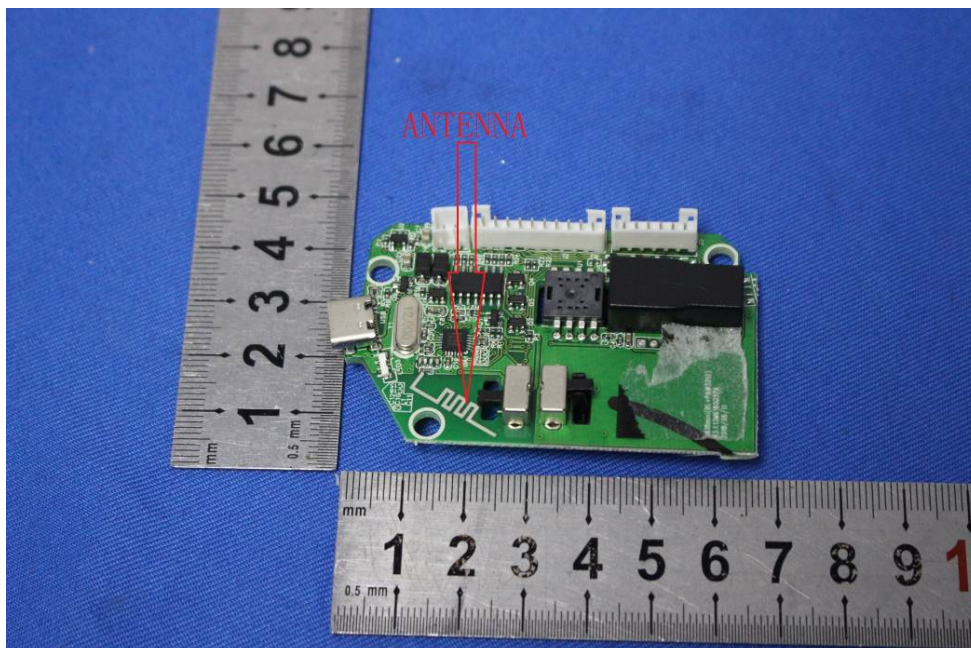
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### 6.1.2 Conclusion

Standard Requirement:

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, 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.

EUT Antenna:



The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 1.34dBi.

## 7 Radio Spectrum Matter Test Results

### 7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207  
Test Method: ANSI C63.10 (2013) Section 6.2  
Limit:

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\* Decreases with the logarithm of the frequency.

#### 7.1.1 E.U.T. Operation

Operating Environment:

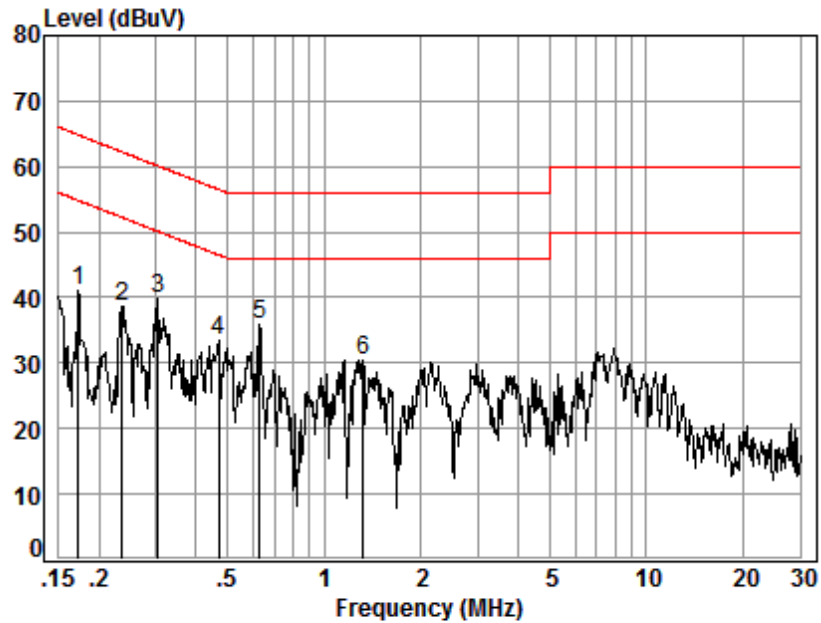
Temperature: 21.6 °C Humidity: 61.4 % RH Atmospheric Pressure: 1010 mbar  
Test Mode: e:Charge + TX mode\_Keep the EUT in charging and transmitting with modulation mode.

#### 7.1.2 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor

Mode:e; Line:Live Line

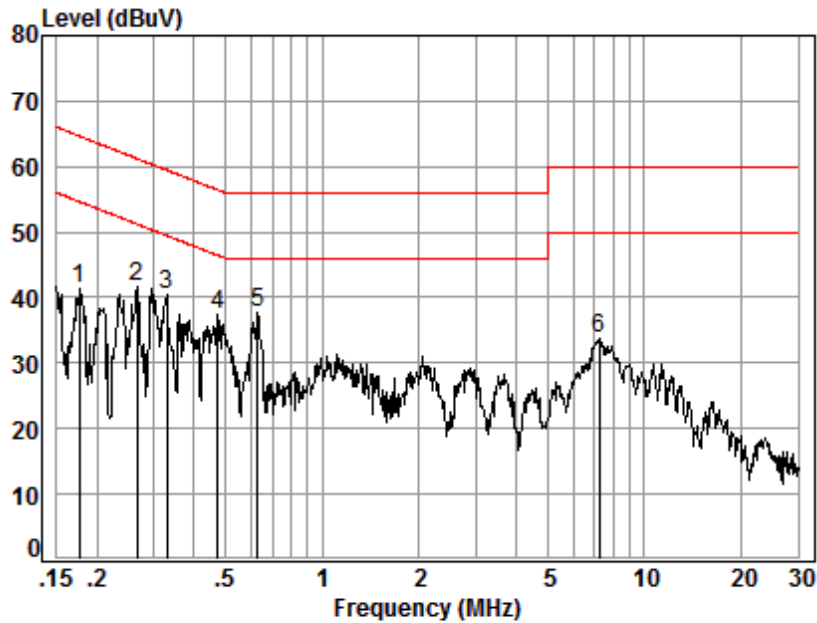


Site : Shielding Room  
 Condition: Line  
 Job No. : 07864CR  
 Test mode: e

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.17	0.02	9.52	31.42	40.96	54.81	-13.85	Peak
2	0.24	0.03	9.51	29.12	38.66	52.22	-13.56	Peak
3	0.31	0.03	9.51	30.28	39.82	50.10	-10.28	Peak
4	0.47	0.04	9.49	23.99	33.52	46.49	-12.97	Peak
5	0.63	0.06	9.52	26.21	35.79	46.00	-10.21	Peak
6	1.32	0.12	9.51	20.83	30.46	46.00	-15.54	Peak



Mode:e; Line:Neutral Line



Site : Shielding Room  
Condition: Neutral  
Job No. : 07864CR  
Test mode: e

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.18	0.03	9.59	31.68	41.30	54.64	-13.34	Peak
2	0.27	0.03	9.58	32.11	41.72	51.25	-9.53	Peak
3	0.33	0.03	9.58	30.79	40.40	49.49	-9.09	Peak
4	0.47	0.04	9.60	27.77	37.41	46.45	-9.04	Peak
5	0.63	0.06	9.62	27.98	37.66	46.00	-8.34	Peak
6	7.25	0.18	9.73	23.82	33.73	50.00	-16.27	Peak



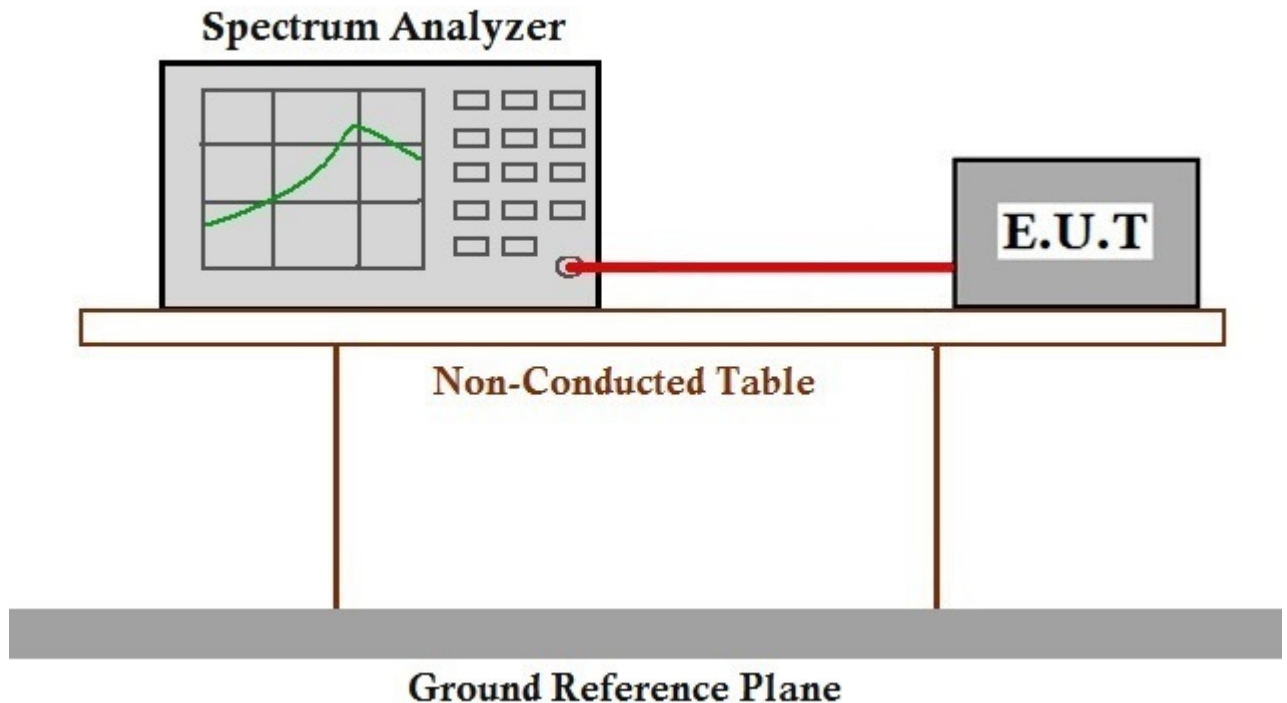
**7.2 20dB Bandwidth**

Test Requirement 47 CFR Part 15, Subpart C 15.215  
Test Method: ANSI C63.10 (2013) Section 6.9  
Limit: N/A

**7.2.1 E.U.T. Operation**

Operating Environment:  
Temperature: 24 °C Humidity: 52 % RH Atmospheric Pressure: 1010 mbar  
Test mode d:TX mode\_Keep the EUT in transmitting with modulation mode.

**7.2.2 Test Setup Diagram**



**7.2.3 Measurement Procedure and Data**

Test channel	20dB bandwidth (MHz)	Results
Lowest	2.294	Pass
Middle	2.306	Pass
Highest	2.300	Pass

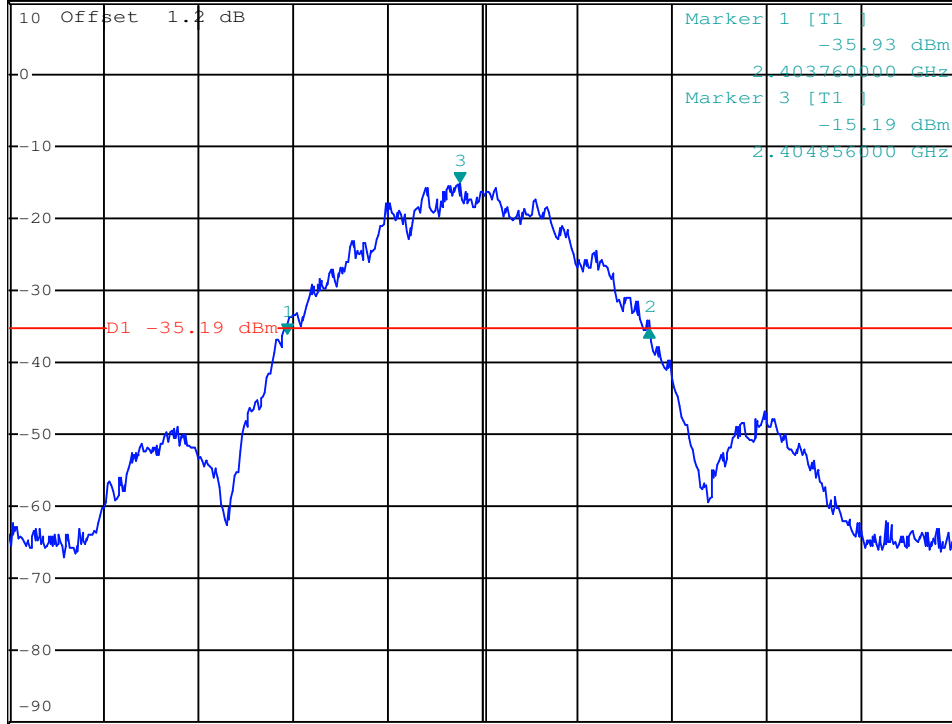
Mode:d; Channel:Low



\*RBW 30 kHz Delta 2 [T1 ]  
\*VBW 100 kHz 0.53 dB  
SWT 10 ms 2.294000000 MHz

Ref 10 dBm \*Att 20 dB

1 PK  
VIEW







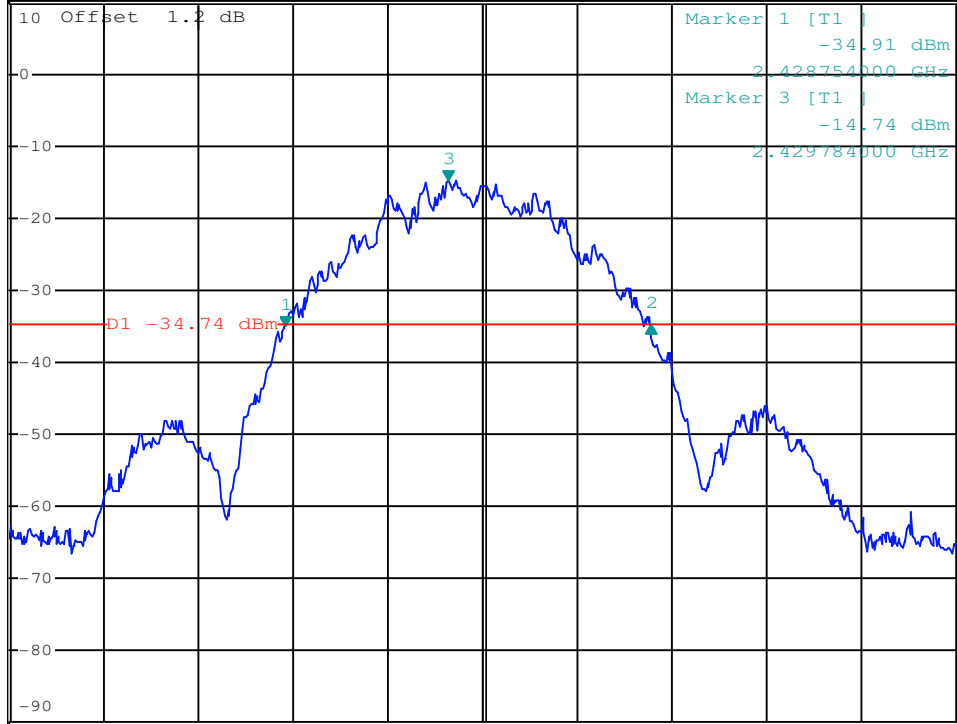
Mode:d; Channel:middle



\*RBW 30 kHz Delta 2 [T1 ]  
\*VBW 100 kHz 0.04 dB  
SWT 10 ms 2.306000000 MHz

Ref 10 dBm \*Att 20 dB

1 PK  
VIEW

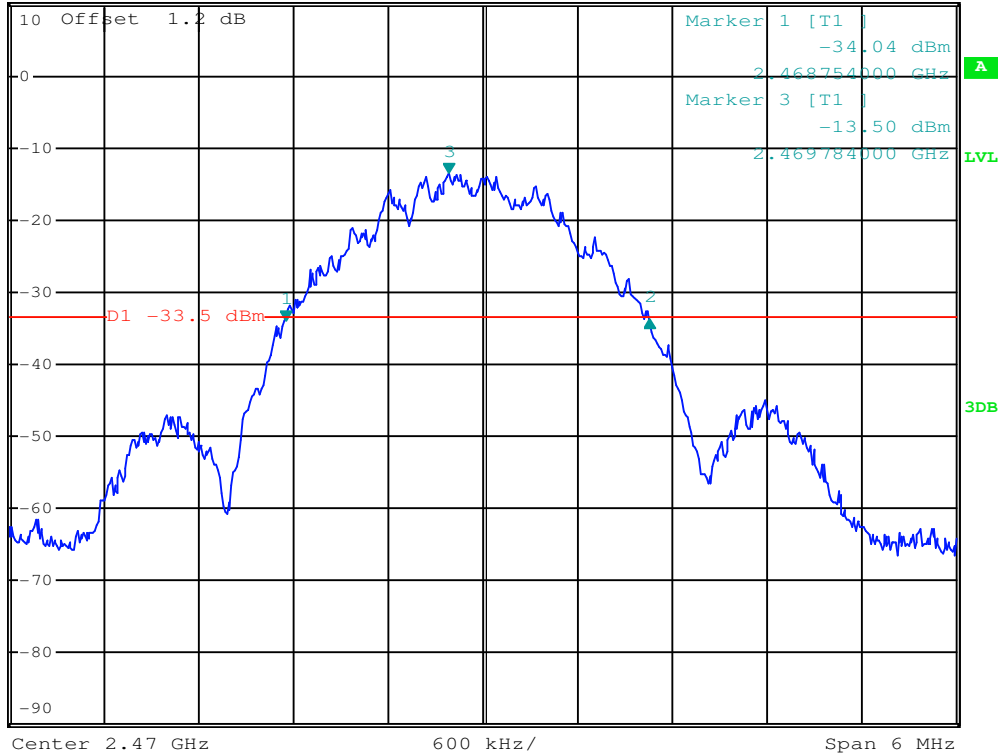


Mode:d; Channel:High



\*RBW 30 kHz    Delta 2 [T1 ]  
 \*VBW 100 kHz                    0.34 dB  
 Ref 10 dBm    \*Att 20 dB    SWT 10 ms    2.300000000 MHz

1 PK  
VIEW





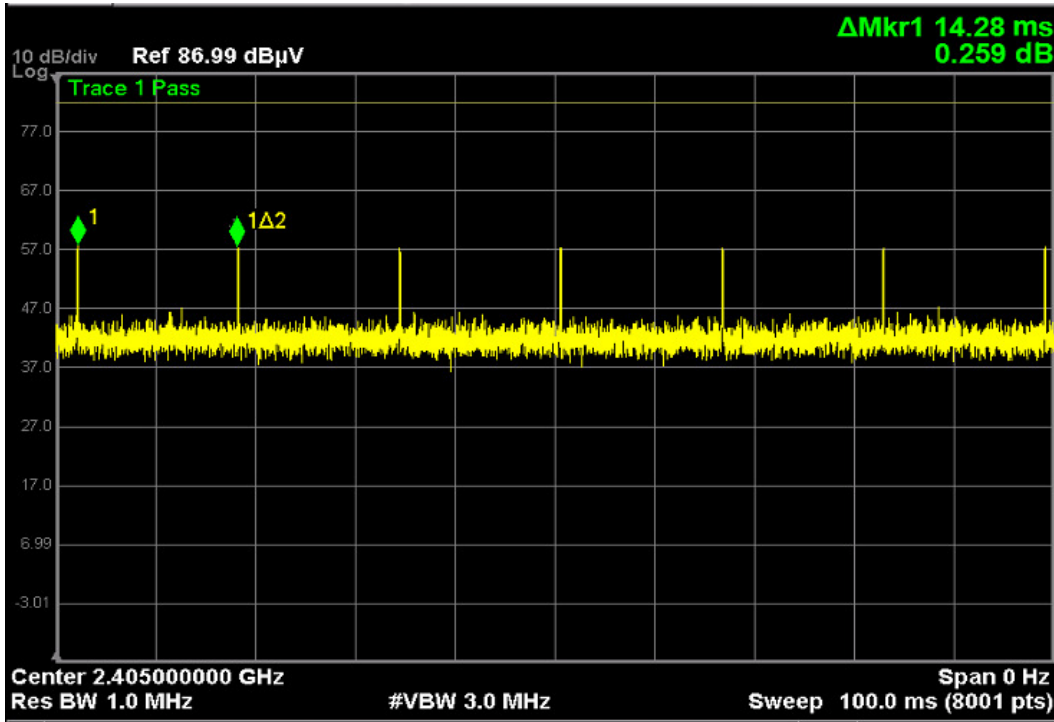
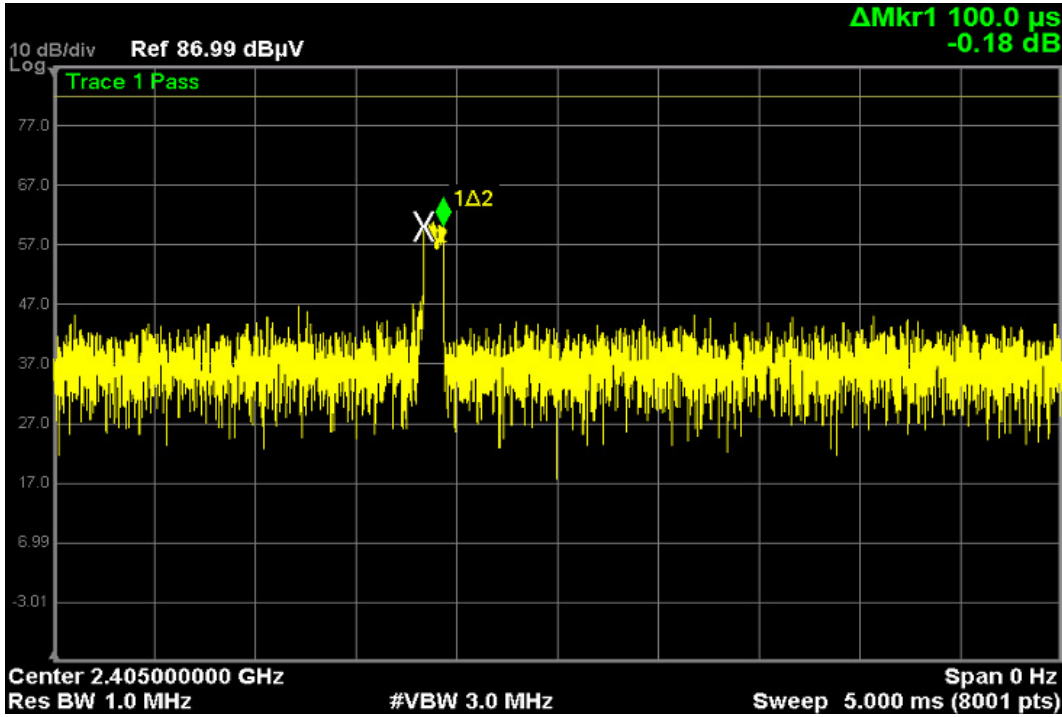
**7.3 Field Strength of the Fundamental Signal (15.249(a))**

Test Requirement 47 CFR Part 15, Subpart C 15.249(a)  
Test Method: ANSI C63.10 (2013) Section 6.5&6.6  
Measurement Distance: 3m  
Limit:

Frequency	Limit (dBuV/m @3m)	Remark
2400MHz-2483.5MHz	94.0	Average Value
	114.0	Peak Value

Average value:

Calculate Formula:	Average value=Peak value + PDCF
	PDCF=20 log(Duty cycle)
	Duty cycle= T on time / T period
Test data:	Ton time =0.1ms
	T period =14.28ms
	PCDF value= -43.09dB



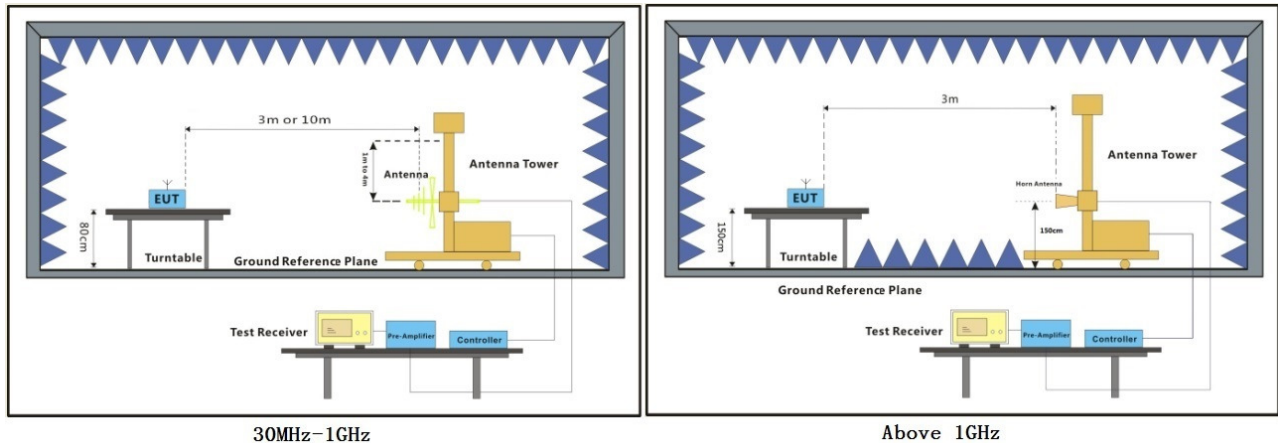
### 7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.7 °C Humidity: 57.4 % RH Atmospheric Pressure: 1010 mbar

Test mode d:TX mode\_Keep the EUT in transmitting with modulation mode.

### 7.3.2 Test Setup Diagram



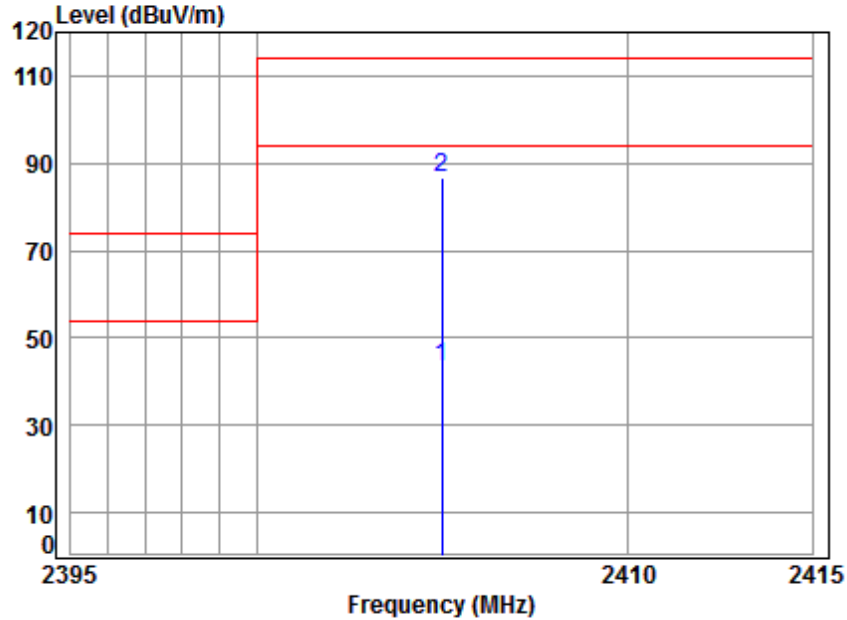
### 7.3.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



Mode:d; Polarization:Horizontal; Modulation:GFSK; ; Channel:Low

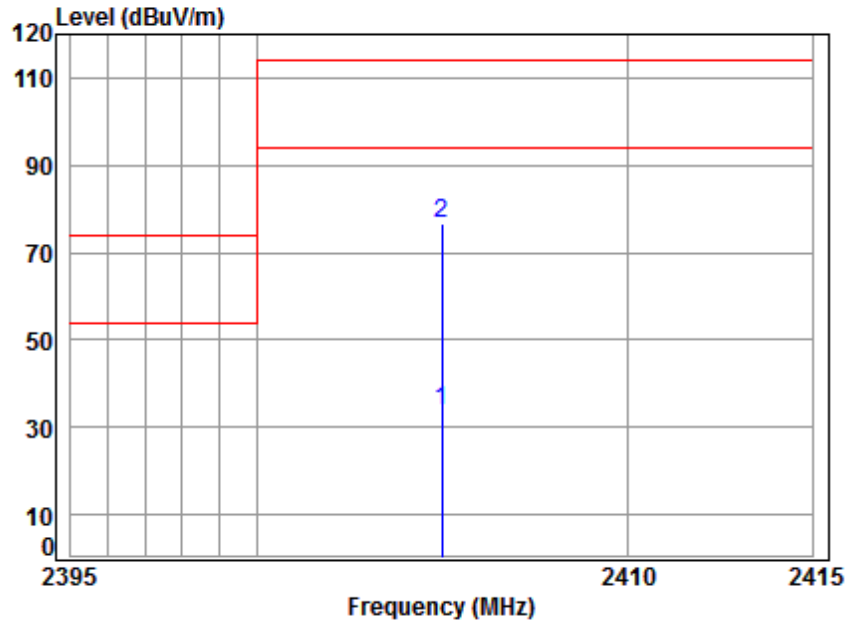


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 07864CR  
Mode : 2405 Field strength

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av 2405.000	5.49	28.54	41.88	51.28	43.43	94.00	-50.57	Average
2	pp 2405.000	5.49	28.54	41.88	94.37	86.52	114.00	-27.48	peak



Mode:d; Polarization:Vertical; Modulation:GFSK; ; Channel:Low

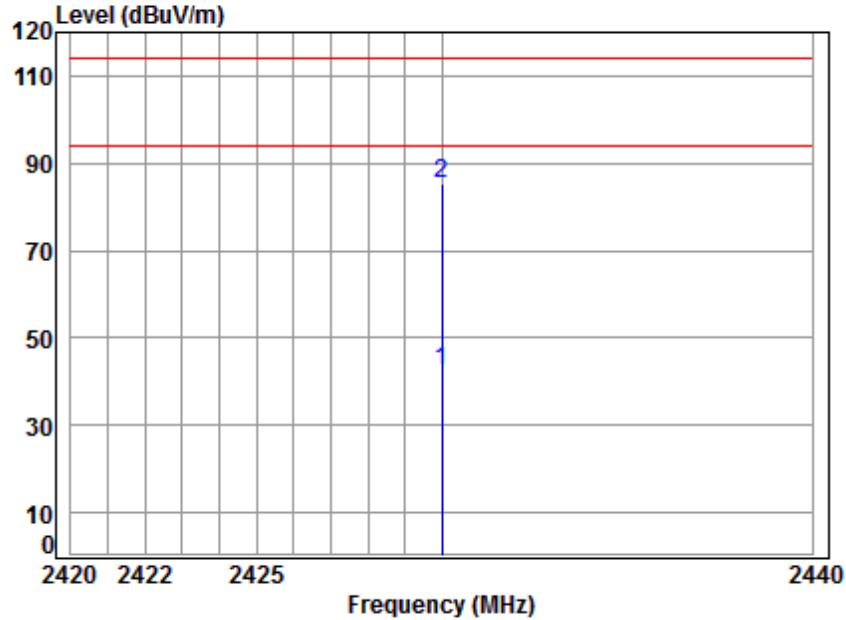


Site : chamber  
Condition: 3m VERTICAL  
Job No : 07864CR  
Mode : 2405 Field strength

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 av	2405.000	5.49	28.54	41.88	41.52	33.67	94.00	-60.33 Average
2 pp	2405.000	5.49	28.54	41.88	84.61	76.76	114.00	-37.24 peak



Mode:d; Polarization:Horizontal; Modulation:GFSK; ; Channel:middle



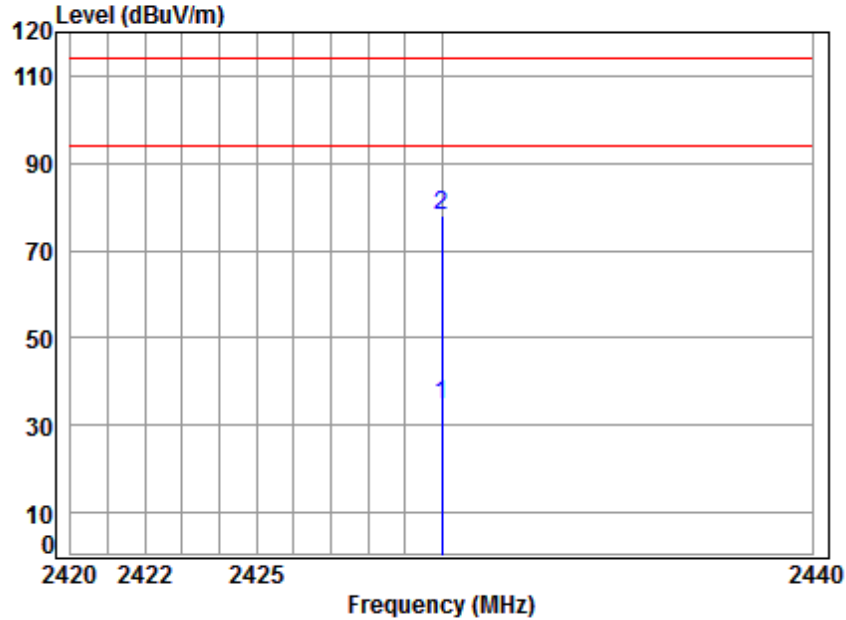
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 07864CR  
Mode : 2430 Field strength

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	2430.000	5.53	28.58	41.89	50.06	42.28	94.00	-51.72	Average
2 pp	2430.000	5.53	28.58	41.89	93.16	85.38	114.00	-28.62	Peak





Mode:d; Polarization:Vertical; Modulation:GFSK; ; Channel:middle

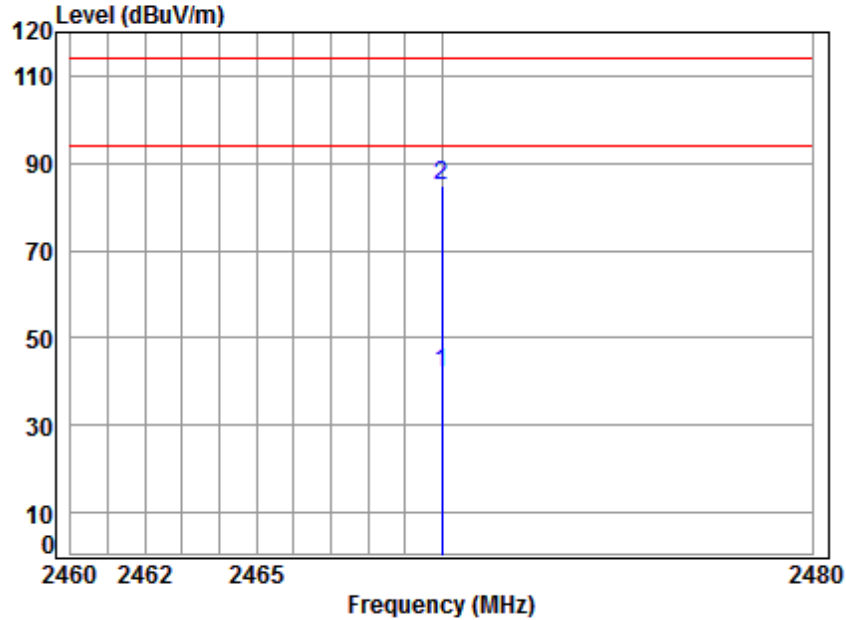


Site : chamber  
Condition: 3m VERTICAL  
Job No : 07864CR  
Mode : 2430 Field strength

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 av	2430.000	5.53	28.58	41.89	42.56	34.78	94.00	-59.22 Average
2 pp	2430.000	5.53	28.58	41.89	85.66	77.88	114.00	-36.12 Peak



Mode:d; Polarization:Horizontal; Modulation:GFSK; ; Channel:High

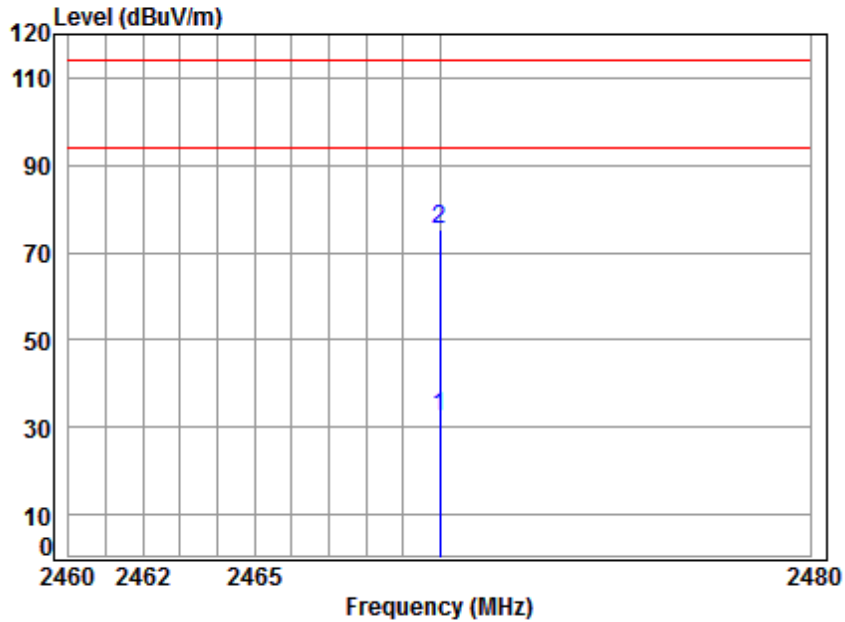


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 07864CR  
Mode : 2470 Field strength

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	2470.000	5.58	28.65	41.90	49.50	41.83	94.00	-52.17	Average
2 pp	2470.000	5.58	28.65	41.90	92.61	84.94	114.00	-29.06	Peak



Mode:d; Polarization:Vertical; Modulation:GFSK; ; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 07864CR  
Mode : 2470 Field strength

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av 2470.000	5.58	28.65	41.90	40.01	32.34	94.00	-61.66	Average
2	pp 2470.000	5.58	28.65	41.90	83.12	75.45	114.00	-38.55	Peak



#### **7.4 Restricted Band Around Fundamental Frequency**

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4&6.5&6.6

Measurement Distance: 3m

Limit:

Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
Above 1GHz	74.0	Peak Value

Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

**7.4.1 E.U.T. Operation**

Operating Environment:

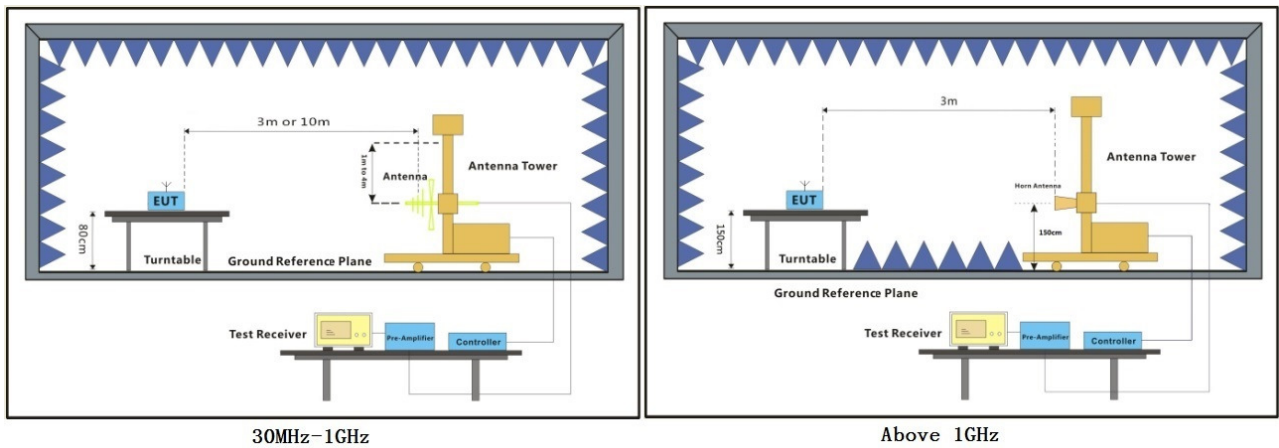
Temperature: 23.5 °C Humidity: 55.9 % RH Atmospheric Pressure: 1010 mbar

Pretest these modes to find the worst case: d:TX mode\_Keep the EUT in transmitting with modulation mode.

e:Charge + TX mode\_Keep the EUT in charging and transmitting with modulation mode.

The worst case for final test: e:Charge + TX mode\_Keep the EUT in charging and transmitting with modulation mode.

**7.4.2 Test Setup Diagram**



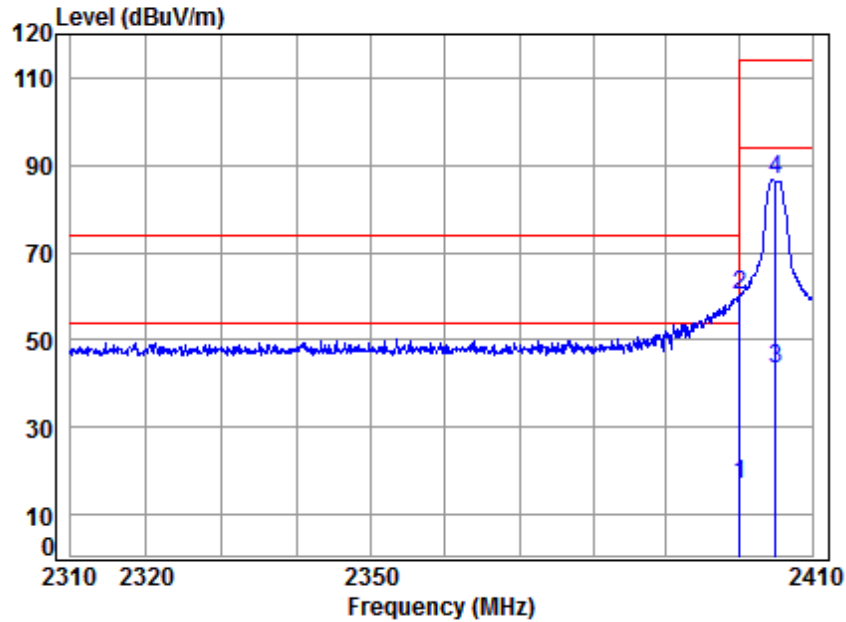
### **7.4.3 Measurement Procedure and Data**

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



Mode:e; Polarization:Horizontal; Modulation:GFSK; ; Channel:Low

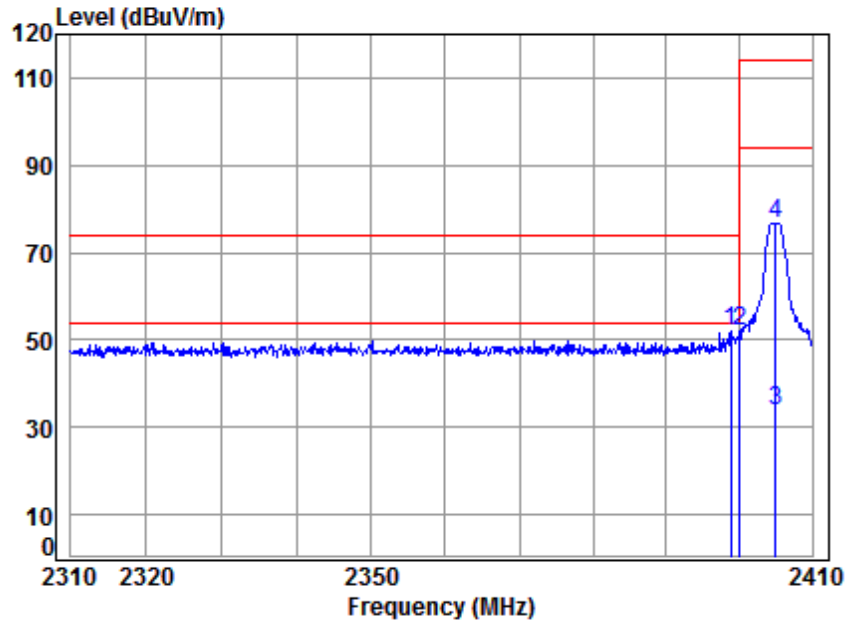


Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 07864CR  
 Mode : 2405 Band edge

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	av 2400.000	5.49	28.54	41.88	24.87	54.00	-36.98	Average
2	pp 2400.000	5.49	28.54	41.88	67.97	74.00	-13.88	peak
3	2405.000	5.49	28.54	41.88	51.28	94.00	-50.57	Average
4	2405.000	5.49	28.54	41.88	94.37	114.00	-27.48	peak



Mode:e; Polarization:Vertical; Modulation:GFSK; ; Channel:Low

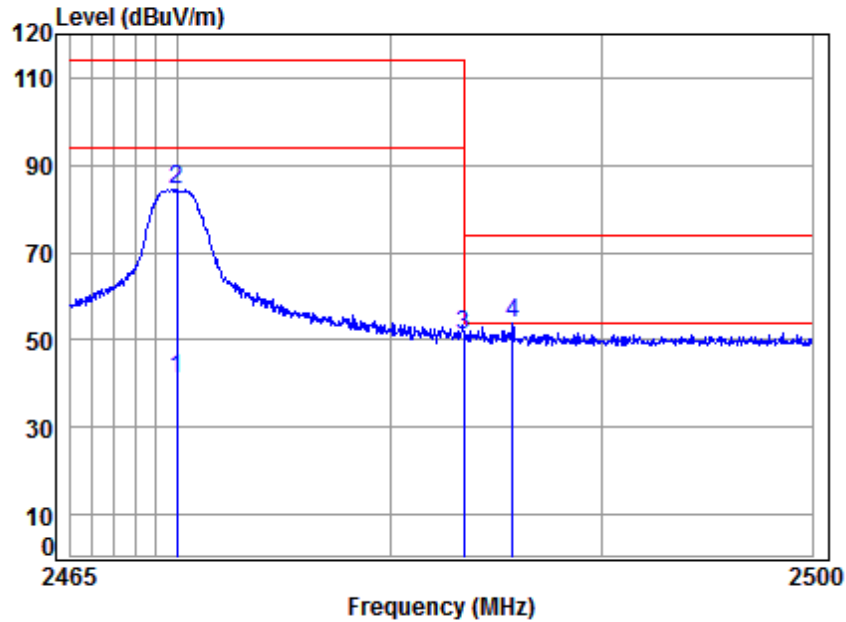


Site : chamber  
Condition: 3m VERTICAL  
Job No : 07864CR  
Mode : 2405 Band edge

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 2398.792	5.49	28.53	41.88	59.79	51.93	74.00	-22.07 peak
2	2400.000	5.49	28.54	41.88	59.75	51.90	74.00	-22.10 peak
3	av 2405.000	5.49	28.54	41.88	41.52	33.67	94.00	-60.33 Average
4	2405.000	5.49	28.54	41.88	84.61	76.76	114.00	-37.24 peak



Mode:e; Polarization:Horizontal; Modulation:GFSK; ; Channel:High

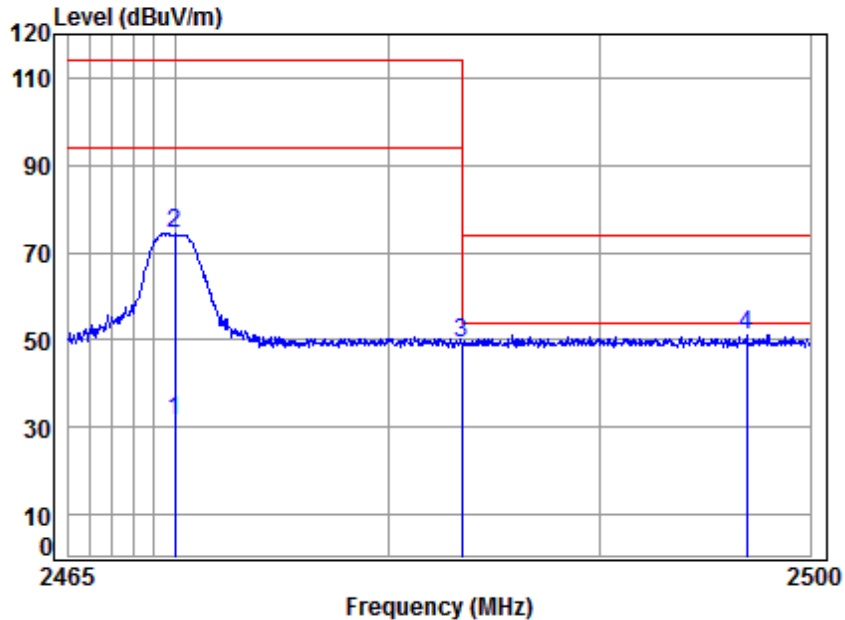


Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 07864CR  
 Mode : 2470 Band edge

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 av	2470.000	5.58	28.65	41.91	48.86	41.18	94.00	-52.82 Average
2	2470.000	5.58	28.65	41.91	91.95	84.27	114.00	-29.73 peak
3	2483.500	5.60	28.67	41.91	58.92	51.28	74.00	-22.72 peak
4 pp	2485.801	5.60	28.68	41.91	61.30	53.67	74.00	-20.33 peak



Mode:e; Polarization:Vertical; Modulation:GFSK; ; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 07864CR  
Mode : 2470 Band edge

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 av	2470.000	5.58	28.65	41.91	38.95	31.27	94.00	-62.73 Average
2	2470.000	5.58	28.65	41.91	82.04	74.36	114.00	-39.64 peak
3	2483.500	5.60	28.67	41.91	56.72	49.08	74.00	-24.92 peak
4 pp	2496.970	5.62	28.70	41.92	58.82	51.22	74.00	-22.78 peak



## 7.5 Radiated Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)  
Test Method: ANSI C63.10 (2013) Section 6.4&6.5&6.6  
Measurement Distance: 3m  
Limit:

Frequency(MHz)	Field strength (microvolts/meter)	Limit (dBuV/m)	Detector	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	-	-	300
0.490-1.705	24000/F(kHz)	-	-	30
1.705-30	30	-	-	30
30-88	100	40.0	QP	3
88-216	150	43.5	QP	3
216-960	200	46.0	QP	3
960-1000	500	54.0	QP	3
Above 1000	500	54.0	AV	3

**7.5.1 E.U.T. Operation**

Operating Environment:

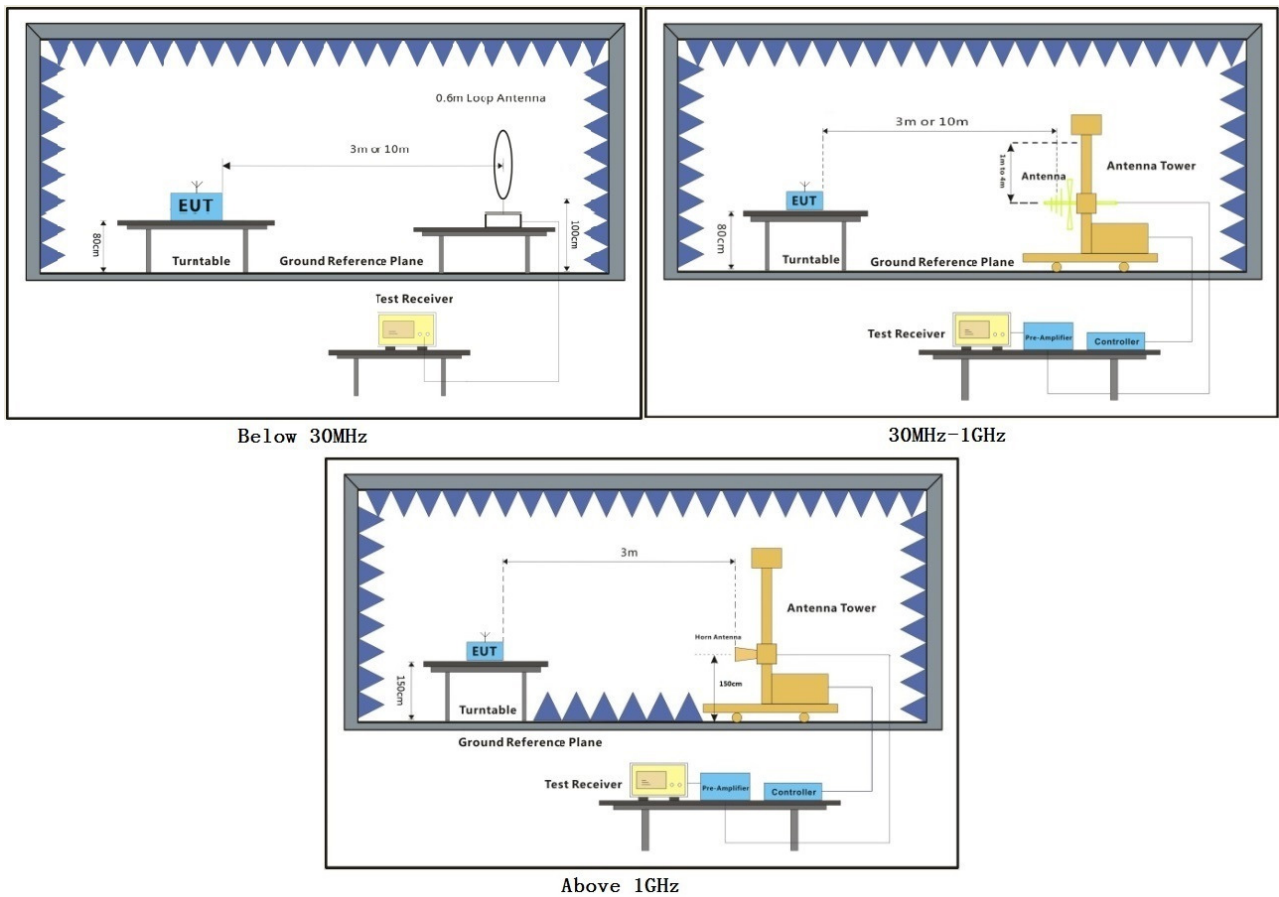
Temperature: 21.6 °C Humidity: 61.5 % RH Atmospheric Pressure: 1010 mbar

Pretest these modes to find the worst case: d:TX mode\_Keep the EUT in transmitting with modulation mode.

e:Charge + TX mode\_Keep the EUT in charging and transmitting with modulation mode.

The worst case for final test: e:Charge + TX mode\_Keep the EUT in charging and transmitting with modulation mode.

**7.5.2 Test Setup Diagram**



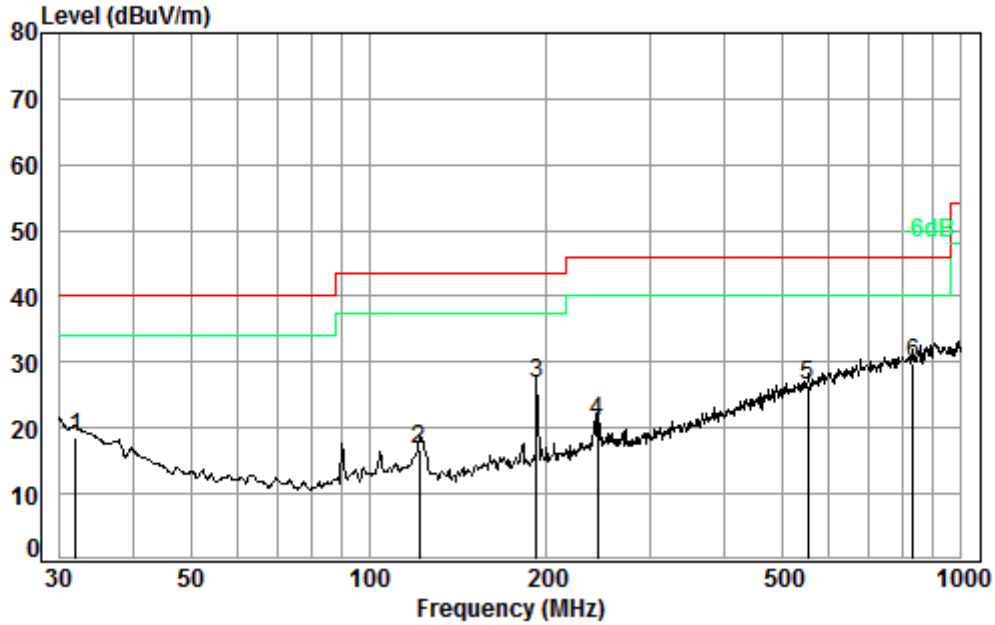
**7.5.3 Measurement Procedure and Data**

For testing performed with the loop antenna, the center of the loop was positioned 1 m above the ground and positioned with its plane vertical at the specified distance from the EUT. During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane. Only the worst position of vertical was shown in the report.



30MHz-1GHz

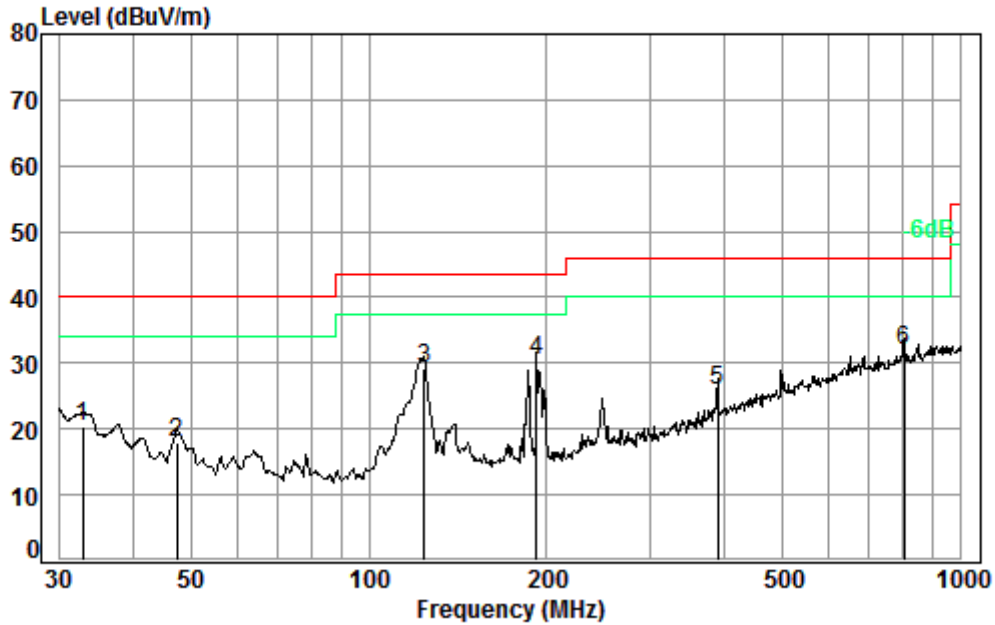
Mode:e; Polarization:Horizontal;



Condition: 3m HORIZONTAL  
Job No. : 07864CR  
Test mode: e

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	31.95	0.60	21.40	27.66	24.06	18.40	40.00	-21.60
2	121.98	1.26	13.16	27.52	29.86	16.76	43.50	-26.74
3	191.75	1.39	16.26	27.53	36.74	26.86	43.50	-16.64
4	243.38	1.64	18.85	27.53	28.00	20.96	46.00	-25.04
5	552.88	2.66	25.70	27.78	25.75	26.33	46.00	-19.67
6 pp	830.40	3.33	28.91	27.31	24.88	29.81	46.00	-16.19

Mode:e; Polarization:Vertical;



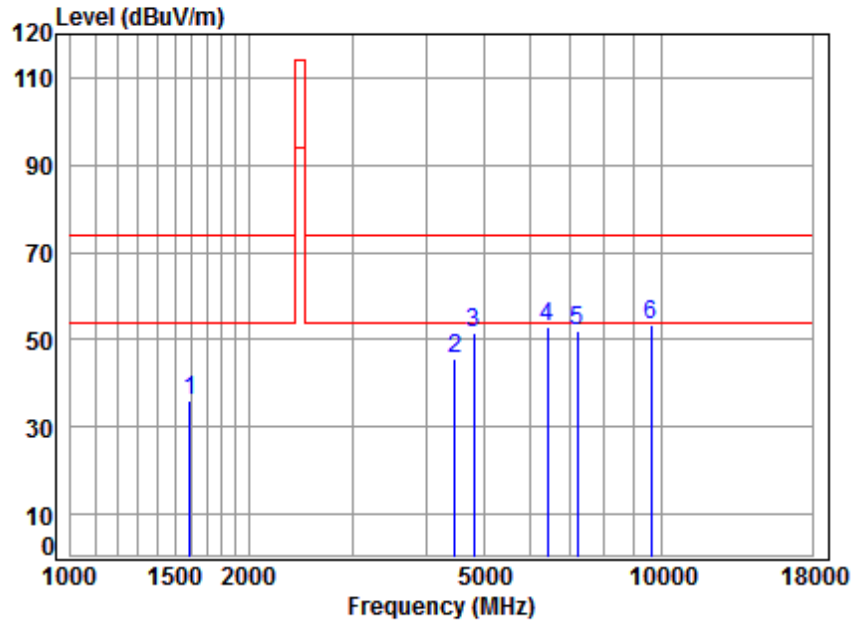
Condition: 3m VERTICAL  
 Job No. : 07864CR  
 Test mode: e

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Limit Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	32.86	0.60	20.92	27.66	26.55	20.41	40.00	-19.59
2	47.49	0.75	14.96	27.61	29.98	18.08	40.00	-21.92
3	124.13	1.26	13.23	27.52	42.15	29.12	43.50	-14.38
4 pp	191.75	1.39	16.26	27.53	40.37	30.49	43.50	-13.01
5	389.35	2.17	22.14	27.71	29.18	25.78	46.00	-20.22
6	801.79	3.21	28.52	27.41	27.48	31.80	46.00	-14.20



Above 1GHz

Mode:e; Polarization:Horizontal; Modulation:GFSK; ; Channel:Low

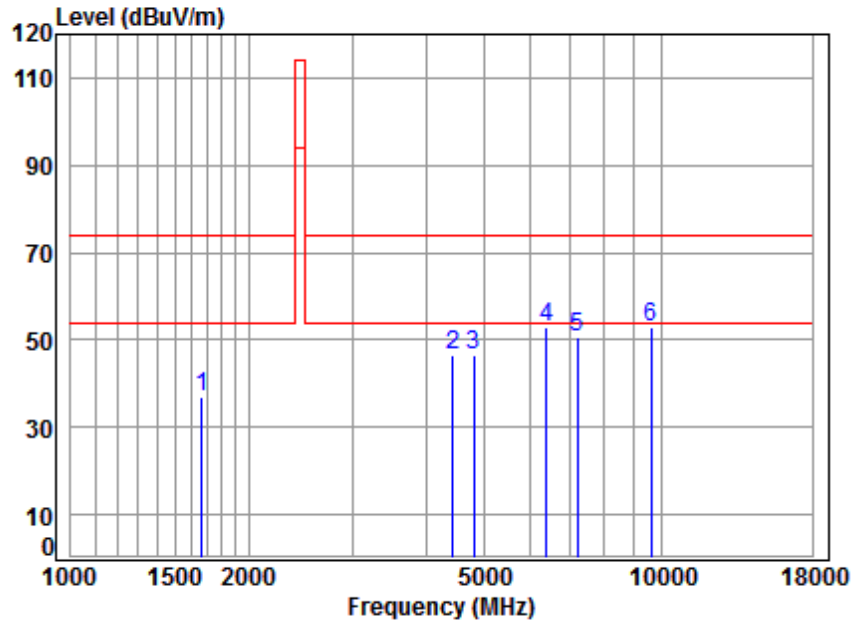


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 07864CR  
Mode : 2405 TX RSE

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1592.571	5.36	26.22	41.47	46.15	36.26	74.00	-37.74	peak
2	4469.214	7.53	33.55	42.41	47.10	45.77	74.00	-28.23	peak
3	4810.000	7.90	33.98	42.47	52.31	51.72	74.00	-22.28	peak
4	6414.167	11.38	35.52	41.28	47.29	52.91	74.00	-21.09	peak
5	7215.000	10.07	36.08	40.71	46.47	51.91	74.00	-22.09	peak
6	pp 9620.000	10.75	37.67	37.72	42.89	53.59	74.00	-20.41	peak



Mode:e; Polarization:Vertical; Modulation:GFSK; ; Channel:Low



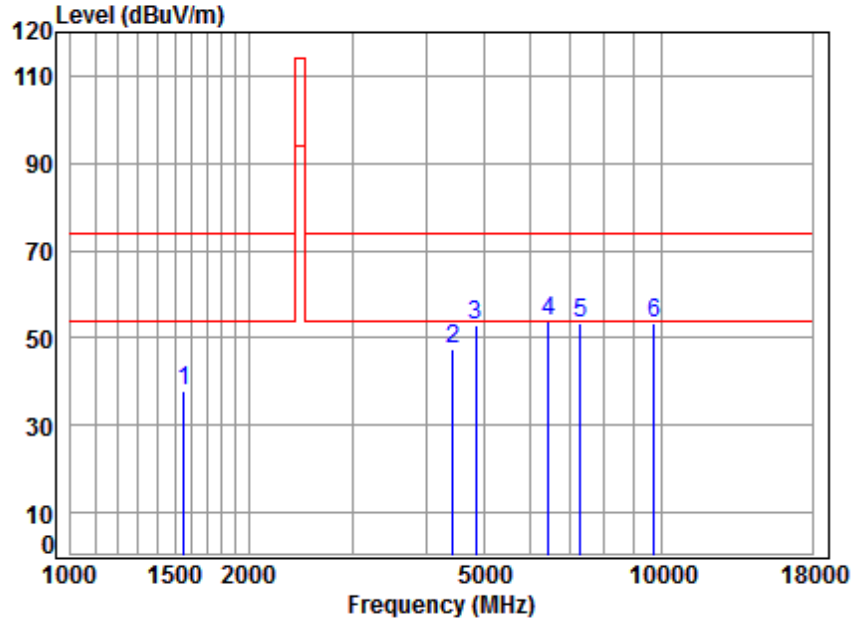
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 07864CR  
 Mode : 2405 TX RSE

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1667.951	5.27	26.54	41.51	46.44	36.74	74.00	-37.26	peak
2	4430.628	7.48	33.48	42.41	47.81	46.36	74.00	-27.64	peak
3	4810.000	7.90	33.98	42.47	47.21	46.62	74.00	-27.38	peak
4 pp	6395.654	11.34	35.50	41.30	47.50	53.04	74.00	-20.96	peak
5	7215.000	10.07	36.08	40.71	45.09	50.53	74.00	-23.47	peak
6	9620.000	10.75	37.67	37.72	42.16	52.86	74.00	-21.14	peak





Mode:e; Polarization:Horizontal; Modulation:GFSK; ; Channel:middle

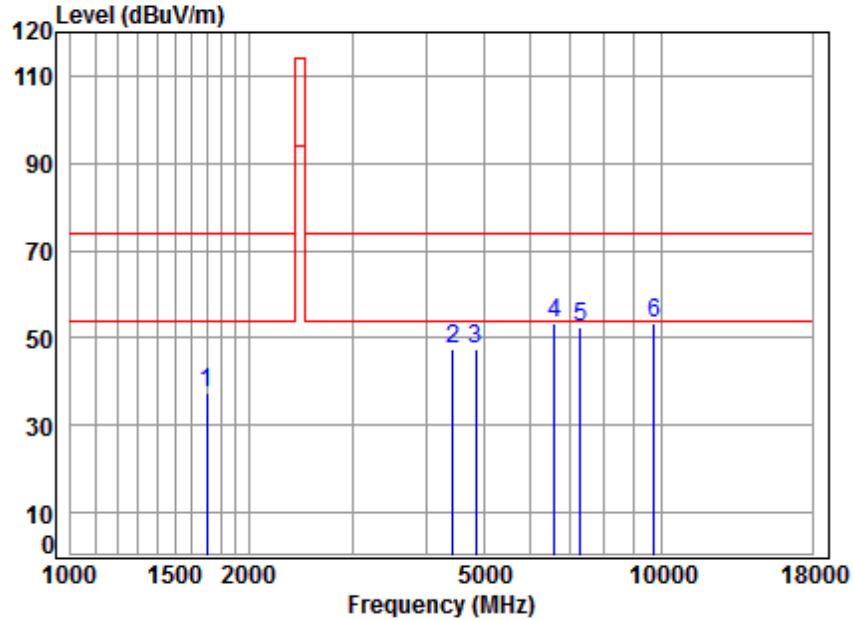


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 07864CR  
Mode : 2430 TX RSE

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1556.169	5.41	26.06	41.44	47.70	37.73	74.00	-36.27	peak
2	4443.453	7.50	33.50	42.41	48.86	47.45	74.00	-26.55	peak
3	4860.000	7.95	34.04	42.48	53.47	52.98	74.00	-21.02	peak
4 pp	6432.732	11.41	35.54	41.27	48.01	53.69	74.00	-20.31	peak
5	7290.000	10.05	36.14	40.65	48.01	53.55	74.00	-20.45	peak
6	9720.000	10.80	37.73	37.58	42.62	53.57	74.00	-20.43	peak



Mode:e; Polarization:Vertical; Modulation:GFSK; ; Channel:middle

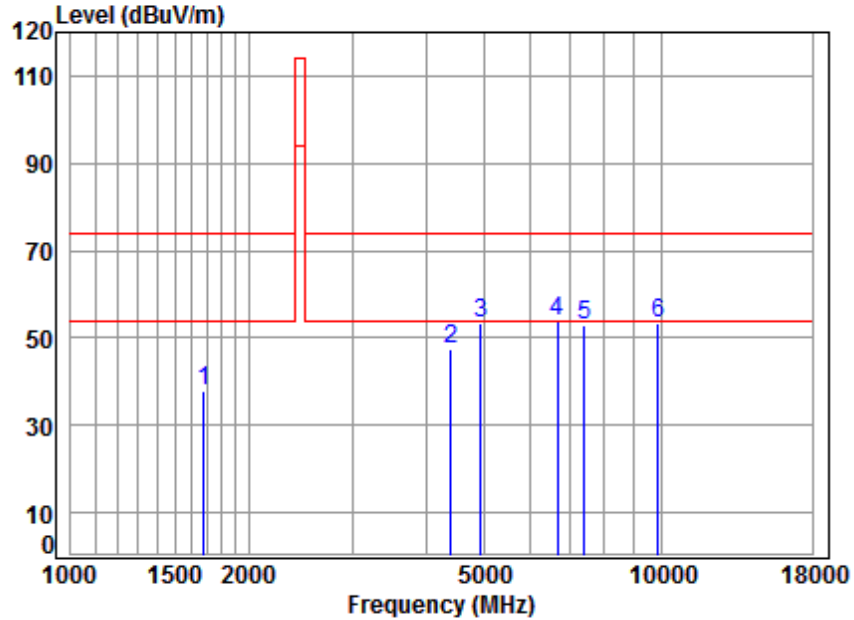


Site : chamber  
Condition: 3m VERTICAL  
Job No : 07864CR  
Mode : 2430 TX RSE

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1697.129	5.23	26.66	41.53	47.18	37.54	74.00	-36.46	peak
2	4430.628	7.48	33.48	42.41	48.76	47.31	74.00	-26.69	peak
3	4860.000	7.95	34.04	42.48	48.01	47.52	74.00	-26.48	peak
4 pp	6602.265	11.24	35.66	41.14	47.83	53.59	74.00	-20.41	peak
5	7290.000	10.05	36.14	40.65	46.92	52.46	74.00	-21.54	peak
6	9720.000	10.80	37.73	37.58	42.29	53.24	74.00	-20.76	peak



Mode:e; Polarization:Horizontal; Modulation:GFSK; ; Channel:High

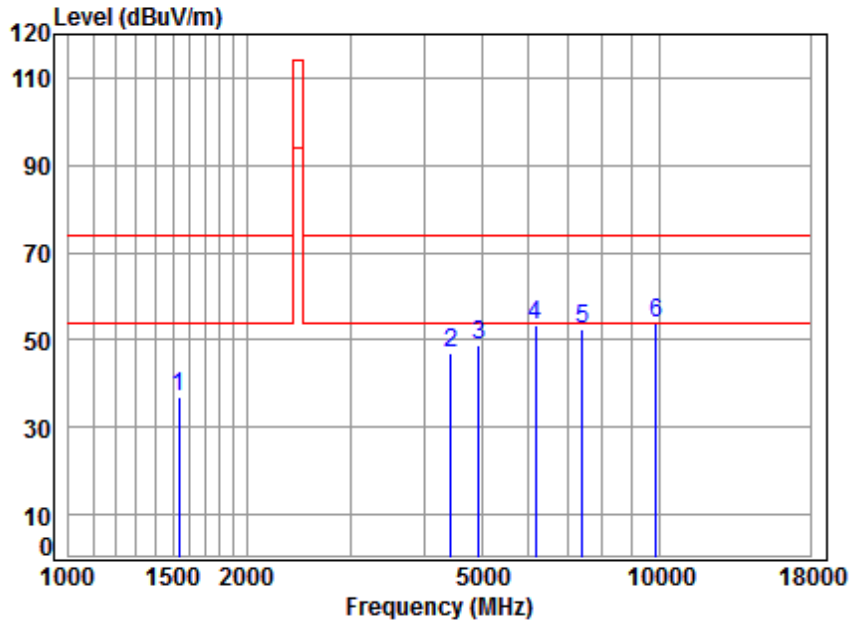


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 07864CR  
Mode : 2470 TX RSE

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1682.477	5.25	26.60	41.52	47.39	37.72	74.00	-36.28	peak
2	4405.090	7.46	33.44	42.40	48.85	47.35	74.00	-26.65	peak
3	4940.000	8.03	34.13	42.49	53.65	53.32	74.00	-20.68	peak
4 pp	6659.763	11.08	35.70	41.10	48.15	53.83	74.00	-20.17	peak
5	7410.000	10.02	36.23	40.57	47.40	53.08	74.00	-20.92	peak
6	9880.000	10.88	37.83	37.36	42.20	53.55	74.00	-20.45	peak



Mode:e; Polarization:Vertical; Modulation:GFSK; ; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 07864CR  
 Mode : 2470 TX RSE

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1533.841	5.44	25.96	41.43	47.16	37.13	74.00	-36.87	peak
2	4430.628	7.48	33.48	42.41	48.60	47.15	74.00	-26.85	peak
3	4940.000	8.03	34.13	42.49	49.35	49.02	74.00	-24.98	peak
4	6159.797	10.89	35.26	41.48	48.83	53.50	74.00	-20.50	peak
5	7410.000	10.02	36.23	40.57	46.61	52.29	74.00	-21.71	peak
6	9880.000	10.88	37.83	37.36	42.28	53.63	74.00	-20.37	peak



## **8 Photographs**

### **8.1 Test Setup**

Please refer to setup photos.

### **8.2 EUT Constructional Details (EUT Photos)**

Please refer to external and internal photos.

- End of the Report -