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**Shenzhen Branch**

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Report No.: SZEM170600659002  
Page: 1 of 38

## **TEST REPORT**

**Application No.:** SZEM1706006590CR  
**Applicant:** Notch Interfaces Inc.  
**Address of Applicant:** 630 Flushing Ave Brooklyn NY 11206 USA  
**Manufacturer:** PC Partner Limited  
**Address of Manufacturer:** 19/F., Shatin Galleria, 18-24 Shan Mei Street, Fo Tan, Shatin, N.T., Hong Kong  
**Factory:** PC Partner Limited, Dongguan branch  
**Address of Factory:** San Tun Management Zone, Houjie, Dongguan, Guangdong Province, The Peoples' Republic of China  
**Equipment Under Test (EUT):**  
**EUT Name:** Notch Notion Capture Sensor 2  
**Model No.:** NSBL2  
**Trade mark:** NOTCH  
**FCC ID:** 2AI9F-NSBL2  
**Standards:** 47 CFR Part 15, Subpart C 15.249  
**Date of Receipt:** 2017-06-27  
**Date of Test:** 2017-07-01 to 2017-07-12  
**Date of Issue:** 2017-07-17

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

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



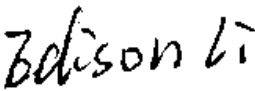
Jack Zhang  
EMC Laboratory Manager

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.

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| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 01              |         | 2017-07-17 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

|                          |  |                                                                                    |  |  |
|--------------------------|--|------------------------------------------------------------------------------------|--|--|
| Authorized for issue by: |  |                                                                                    |  |  |
|                          |  |   |  |  |
|                          |  | Edison Li /Project Engineer                                                        |  |  |
|                          |  |  |  |  |
|                          |  | 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   |



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## 4 General Information

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

|                      |                                    |
|----------------------|------------------------------------|
| Power supply:        | DC 3.7V, 70mAh, Li-polymer battery |
| Operation Frequency: | 2410MHz to 2480MHz                 |
| Modulation Type:     | GFSK                               |
| Sample Type:         | Portable production                |
| Antenna Type:        | Integral                           |
| Antenna Gain:        | 3dBi                               |

Operation Frequency each of channel

| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| 1       | 2410.00         | 19      | 2428.00         | 37      | 2446.00         | 55      | 2464.00         |
| 2       | 2411.00         | 20      | 2429.00         | 38      | 2447.00         | 56      | 2465.00         |
| 3       | 2412.00         | 21      | 2430.00         | 39      | 2448.00         | 57      | 2466.00         |
| 4       | 2413.00         | 22      | 2431.00         | 40      | 2449.00         | 58      | 2467.00         |
| 5       | 2414.00         | 23      | 2432.00         | 41      | 2450.00         | 59      | 2468.00         |
| 6       | 2415.00         | 24      | 2433.00         | 42      | 2451.00         | 60      | 2469.00         |
| 7       | 2416.00         | 25      | 2434.00         | 43      | 2452.00         | 61      | 2470.00         |
| 8       | 2417.00         | 26      | 2435.00         | 44      | 2453.00         | 62      | 2471.00         |
| 9       | 2418.00         | 27      | 2436.00         | 45      | 2454.00         | 63      | 2472.00         |
| 10      | 2419.00         | 28      | 2437.00         | 46      | 2455.00         | 64      | 2473.00         |
| 11      | 2420.00         | 29      | 2438.00         | 47      | 2456.00         | 65      | 2474.00         |
| 12      | 2421.00         | 30      | 2439.00         | 48      | 2457.00         | 66      | 2475.00         |
| 13      | 2422.00         | 31      | 2440.00         | 49      | 2458.00         | 67      | 2476.00         |
| 14      | 2423.00         | 32      | 2441.00         | 50      | 2459.00         | 68      | 2477.00         |
| 15      | 2424.00         | 33      | 2442.00         | 51      | 2460.00         | 69      | 2478.00         |
| 16      | 2425.00         | 34      | 2443.00         | 52      | 2461.00         | 70      | 2479.00         |
| 17      | 2426.00         | 35      | 2444.00         | 53      | 2462.00         | 71      | 2480.00         |
| 18      | 2427.00         | 36      | 2445.00         | 54      | 2463.00         |         |                 |

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

| Channel                    | Frequency |
|----------------------------|-----------|
| The lowest channel (CH1)   | 2410MHz   |
| The middle channel (CH36)  | 2445MHz   |
| The highest channel (CH71) | 2480MHz   |



## 4.2 Description of Support Units

| Description | Manufacturer | Model No.      | Serial No.      |
|-------------|--------------|----------------|-----------------|
| Adapter     | Apple        | A1357 W010A051 | REF. No.SEA0500 |

## 4.3 Measurement Uncertainty

| No. | Item                            | Measurement Uncertainty |
|-----|---------------------------------|-------------------------|
| 1   | Radio Frequency                 | $7.25 \times 10^{-8}$   |
| 2   | Duty cycle                      | 0.37%                   |
| 3   | Occupied Bandwidth              | 3%                      |
| 4   | RF conducted power              | 0.75dB                  |
| 5   | RF power density                | 2.84dB                  |
| 6   | Conducted Spurious emissions    | 0.75dB                  |
| 7   | RF Radiated power               | 4.5dB (below 1GHz)      |
|     |                                 | 4.8dB (above 1GHz)      |
| 8   | Radiated Spurious emission test | 4.5dB (30MHz-1GHz)      |
|     |                                 | 4.8dB (1GHz-18GHz)      |
| 9   | Temperature test                | 1 °C                    |
| 10  | Humidity test                   | 3%                      |
| 11  | Supply voltages                 | 1.5%                    |



#### **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 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

- **FCC – Registration No.: 556682**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 556682.

- **Industry Canada (IC)**

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

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

None

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

None



## 5 Equipment List

| Conducted Emissions at AC Power Line (150kHz-30MHz) |                                    |                  |              |            |              |
|-----------------------------------------------------|------------------------------------|------------------|--------------|------------|--------------|
| Equipment                                           | Manufacturer                       | Model No         | Inventory No | Cal Date   | Cal Due Date |
| Shielding Room                                      | ZhongYu Electron                   | GB-88            | SEM001-06    | 2017-05-10 | 2018-05-10   |
| Measurement Software                                | AUDIX                              | e3<br>V5.4.1221d | N/A          | N/A        | N/A          |
| LISN                                                | Rohde & Schwarz                    | ENV216           | SEM007-01    | 2016-10-09 | 2017-10-09   |
| LISN                                                | ETS-LINDGREN                       | 3816/2           | SEM007-02    | 2017-04-14 | 2018-04-13   |
| 8 Line ISN                                          | Fischer Custom Communications Inc. | FCC-TLISN-T8-02  | EMC0120      | 2016-09-28 | 2017-09-28   |
| 4 Line ISN                                          | Fischer Custom Communications Inc. | FCC-TLISN-T4-02  | EMC0121      | 2016-09-28 | 2017-09-28   |
| 2 Line ISN                                          | Fischer Custom                     | FCC-TLISN-T2-02  | EMC0122      | 2016-09-28 | 2017-09-28   |

| RF Conducted Test    |                 |                         |              |            |              |
|----------------------|-----------------|-------------------------|--------------|------------|--------------|
| Equipment            | Manufacturer    | Model No                | Inventory No | Cal Date   | Cal Due Date |
| DC Power Supply      | ZhaoXin         | RXN-305D                | SEM011-02    | 2016-10-09 | 2017-10-09   |
| Spectrum Analyzer    | Rohde & Schwarz | FSP                     | SEM004-06    | 2016-10-09 | 2017-10-09   |
| Measurement Software | JS Tonscend     | JS1120-2<br>BT/WIFI V2. | N/A          | N/A        | N/A          |
| Signal Generator     | Rohde & Schwarz | SML03                   | SEM006-02    | 2017-04-14 | 2018-04-13   |
| Power Meter          | Rohde & Schwarz | NRVS                    | SEM014-02    | 2016-10-09 | 2017-10-09   |



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| Field Strength of the Fundamental Signal (15.249(a)) |                                    |                   |              |            |              |
|------------------------------------------------------|------------------------------------|-------------------|--------------|------------|--------------|
| Equipment                                            | Manufacturer                       | Model No          | Inventory No | Cal Date   | Cal Due Date |
| 3m Semi-Anechoic Chamber                             | AUDIX                              | N/A               | SEM001-02    | 2017-05-10 | 2018-05-10   |
| Measurement Software                                 | AUDIX                              | e3 V8.2014-6-27   | N/A          | N/A        | N/A          |
| Spectrum Analyzer                                    | Rohde & Schwarz                    | FSU43             | SEM004-08    | 2017-04-14 | 2018-04-13   |
| BiConiLog Antenna<br>(26-3000MHz)                    | ETS-Lindgren                       | 3142C             | SEM003-02    | 2017-03-05 | 2020-03-05   |
| Horn Antenna<br>(1-18GHz)                            | Rohde & Schwarz                    | HF907             | SEM003-07    | 2015-06-14 | 2018-06-14   |
| Horn Antenna<br>(15GHz-40GHz)                        | Schwarzbeck                        | BBHA 9170         | SEM003-14    | 2017-06-16 | 2020-06-15   |
| Pre-amplifier<br>(0.1-1300MHz)                       | HP                                 | 8447D             | SEM005-02    | 2016-10-09 | 2017-10-09   |
| Low Noise Amplifier<br>(100MHz-18GHz)                | Black Diamond Series               | BDLNA-0118-352810 | SEM005-05    | 2016-10-09 | 2017-10-09   |
| Pre-amplifier<br>(0.1-26.5GHz)                       | Compliance Directions Systems Inc. | PAP-0126          | SEM004-10    | 2016-10-17 | 2017-10-17   |
| Pre-amplifier<br>(26GHz-40GHz)                       | Compliance Directions Systems Inc. | PAP-2640-50       | SEM005-08    | 2017-04-14 | 2018-04-13   |
| DC Power Supply                                      | Zhao Xin                           | RXN-305D          | SEM011-02    | 2016-10-09 | 2017-10-09   |
| Active Loop Antenna                                  | ETS-Lindgren                       | 6502              | SEM003-08    | 2015-08-14 | 2018-08-14   |
| Band filter                                          | N/A                                | N/A               | SEM023-01    | N/A        | N/A          |



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| <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           | 2017-05-10      | 2018-05-10          |
| Measurement Software                                | AUDIX                              | e3 V8.2014-6-27   | N/A                 | N/A             | N/A                 |
| Spectrum Analyzer                                   | Rohde & Schwarz                    | FSU43             | SEM004-08           | 2017-04-14      | 2018-04-13          |
| BiConiLog Antenna<br>(26-3000MHz)                   | ETS-Lindgren                       | 3142C             | SEM003-02           | 2017-03-05      | 2020-03-05          |
| Horn Antenna<br>(1-18GHz)                           | Rohde & Schwarz                    | HF907             | SEM003-07           | 2015-06-14      | 2018-06-14          |
| Horn Antenna<br>(15GHz-40GHz)                       | Schwarzbeck                        | BBHA 9170         | SEM003-14           | 2017-06-16      | 2020-06-15          |
| Pre-amplifier<br>(0.1-1300MHz)                      | HP                                 | 8447D             | SEM005-02           | 2016-10-09      | 2017-10-09          |
| Low Noise Amplifier<br>(100MHz-18GHz)               | Black Diamond Series               | BDLNA-0118-352810 | SEM005-05           | 2016-10-09      | 2017-10-09          |
| Pre-amplifier<br>(0.1-26.5GHz)                      | Compliance Directions Systems Inc. | PAP-0126          | SEM004-10           | 2016-10-17      | 2017-10-17          |
| Pre-amplifier<br>(26GHz-40GHz)                      | Compliance Directions Systems Inc. | PAP-2640-50       | SEM005-08           | 2017-04-14      | 2018-04-13          |
| DC Power Supply                                     | Zhao Xin                           | RXN-305D          | SEM011-02           | 2016-10-09      | 2017-10-09          |
| Active Loop Antenna                                 | ETS-Lindgren                       | 6502              | SEM003-08           | 2015-08-14      | 2018-08-14          |
| Band filter                                         | N/A                                | N/A               | SEM023-01           | N/A             | N/A                 |

| <b>General used equipment</b>   |                                           |                 |                     |                 |                     |
|---------------------------------|-------------------------------------------|-----------------|---------------------|-----------------|---------------------|
| <b>Equipment</b>                | <b>Manufacturer</b>                       | <b>Model No</b> | <b>Inventory No</b> | <b>Cal Date</b> | <b>Cal Due Date</b> |
| Humidity/ Temperature Indicator | Shanghai Meteorological Industry Factory  | ZJ1-2B          | SEM002-03           | 2016-10-12      | 2017-10-12          |
| Humidity/ Temperature Indicator | Shanghai Meteorological Industry Factory  | ZJ1-2B          | SEM002-04           | 2016-10-12      | 2017-10-12          |
| Humidity/ Temperature Indicator | Mingle                                    | N/A             | SEM002-08           | 2016-10-12      | 2017-10-12          |
| Barometer                       | Changchun Meteorological Industry Factory | DYM3            | SEM002-01           | 2017-04-18      | 2018-04-18          |

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## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

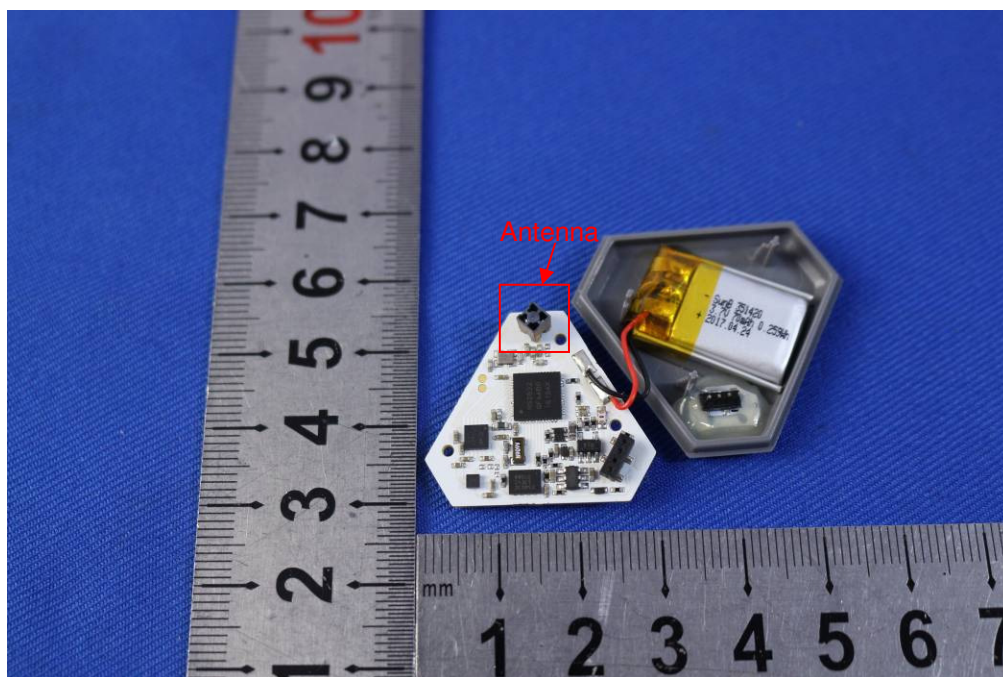
#### 6.1.2 Conclusion

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 3dBi.



## 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: 25 °C Humidity: 55 % RH Atmospheric Pressure: 1005 mbar

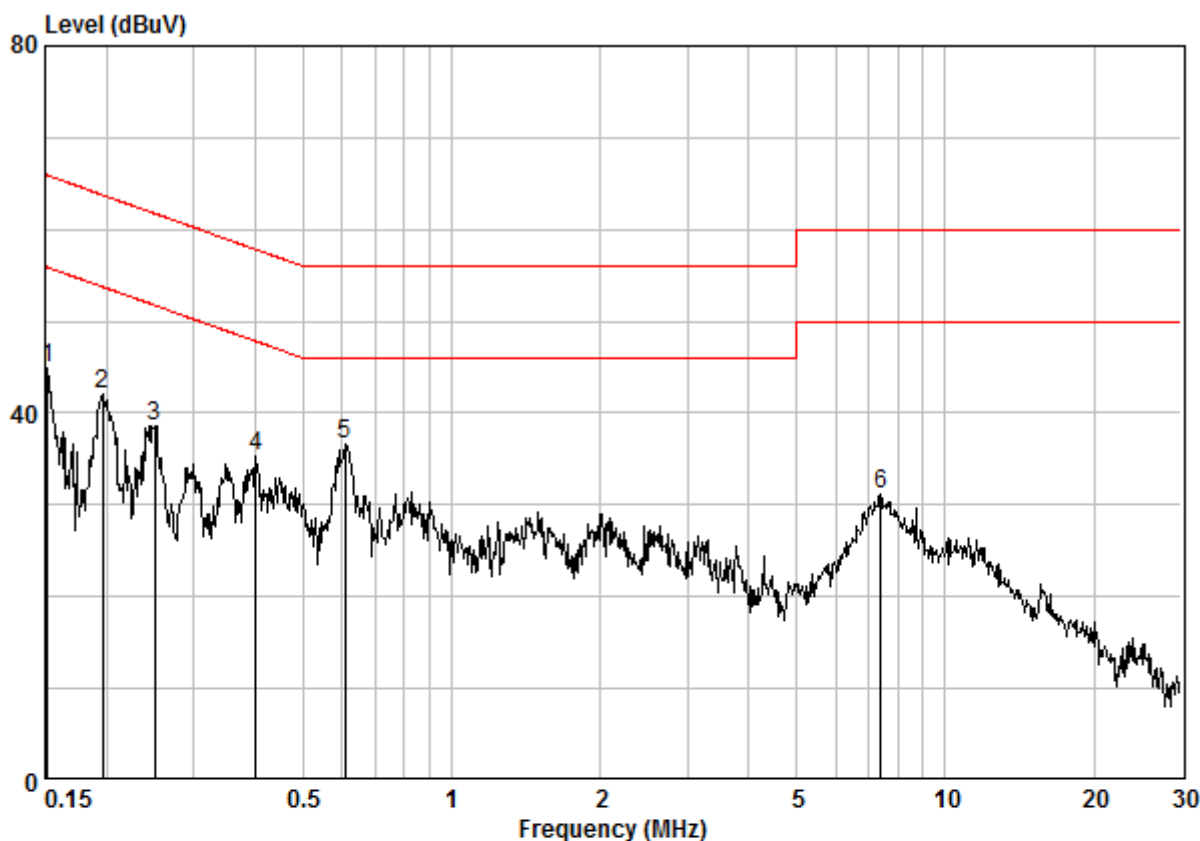
Test mode: d: Charge + TX mode Keep the EUT in charging and continuously transmitting mode with GFSK modulation for 2.4G.

#### 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

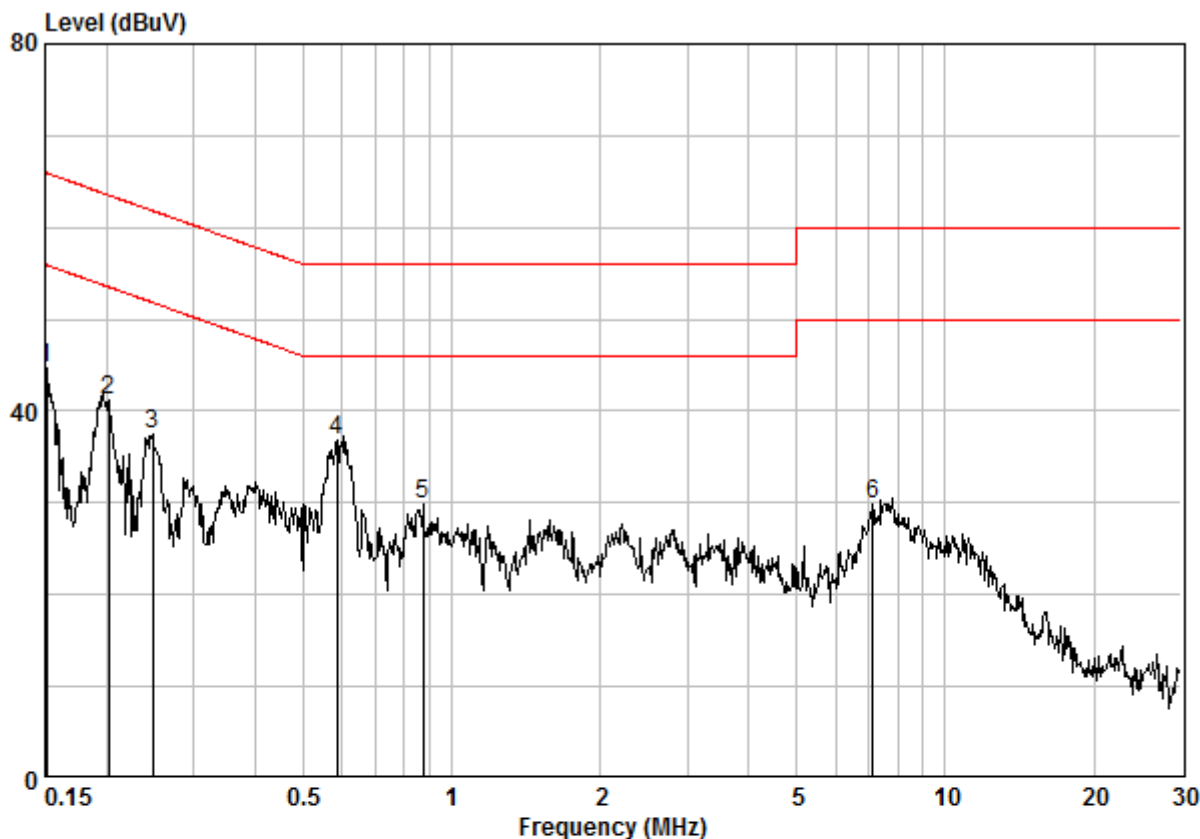
Mode:d; Line:Live Line



Site : Shielding Room  
Condition : CE LINE  
Job No. : 06590CR  
Test Mode : d

|     | Freq    | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|-----|---------|------------|-------------|------------|-------|------------|------------|--------|
|     | MHz     | dB         | dB          | dBuV       | dBuV  | dBuV       | dB         |        |
| 1   | 0.15160 | 0.02       | 9.64        | 35.32      | 44.98 | 55.91      | -10.93     | Peak   |
| 2   | 0.19654 | 0.02       | 9.64        | 32.32      | 41.98 | 53.76      | -11.77     | Peak   |
| 3   | 0.25078 | 0.02       | 9.64        | 28.91      | 38.57 | 51.73      | -13.16     | Peak   |
| 4   | 0.40187 | 0.02       | 9.64        | 25.61      | 35.27 | 47.81      | -12.54     | Peak   |
| 5 @ | 0.60752 | 0.02       | 9.65        | 26.92      | 36.59 | 46.00      | -9.41      | Peak   |
| 6   | 7.407   | 0.09       | 9.80        | 21.30      | 31.19 | 50.00      | -18.81     | Peak   |

Mode:d; Line:Neutral Line



Site : Shielding Room  
Condition : CE NEUTRAL  
Job No. : 06590CR  
Test Mode : d

|     | Freq    | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|-----|---------|------------|-------------|------------|-------|------------|------------|--------|
|     | MHz     | dB         | dB          | dBuV       | dBuV  | dBuV       | dB         |        |
| 1   | 0.15080 | 0.02       | 9.64        | 34.93      | 44.59 | 55.96      | -11.37     | Peak   |
| 2   | 0.20181 | 0.02       | 9.63        | 31.56      | 41.21 | 53.54      | -12.32     | Peak   |
| 3   | 0.24814 | 0.02       | 9.63        | 27.84      | 37.49 | 51.82      | -14.33     | Peak   |
| 4 @ | 0.58540 | 0.02       | 9.63        | 27.11      | 36.76 | 46.00      | -9.24      | Peak   |
| 5   | 0.87566 | 0.03       | 9.64        | 20.13      | 29.80 | 46.00      | -16.20     | Peak   |
| 6   | 7.137   | 0.08       | 9.77        | 19.98      | 29.83 | 50.00      | -20.17     | 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:

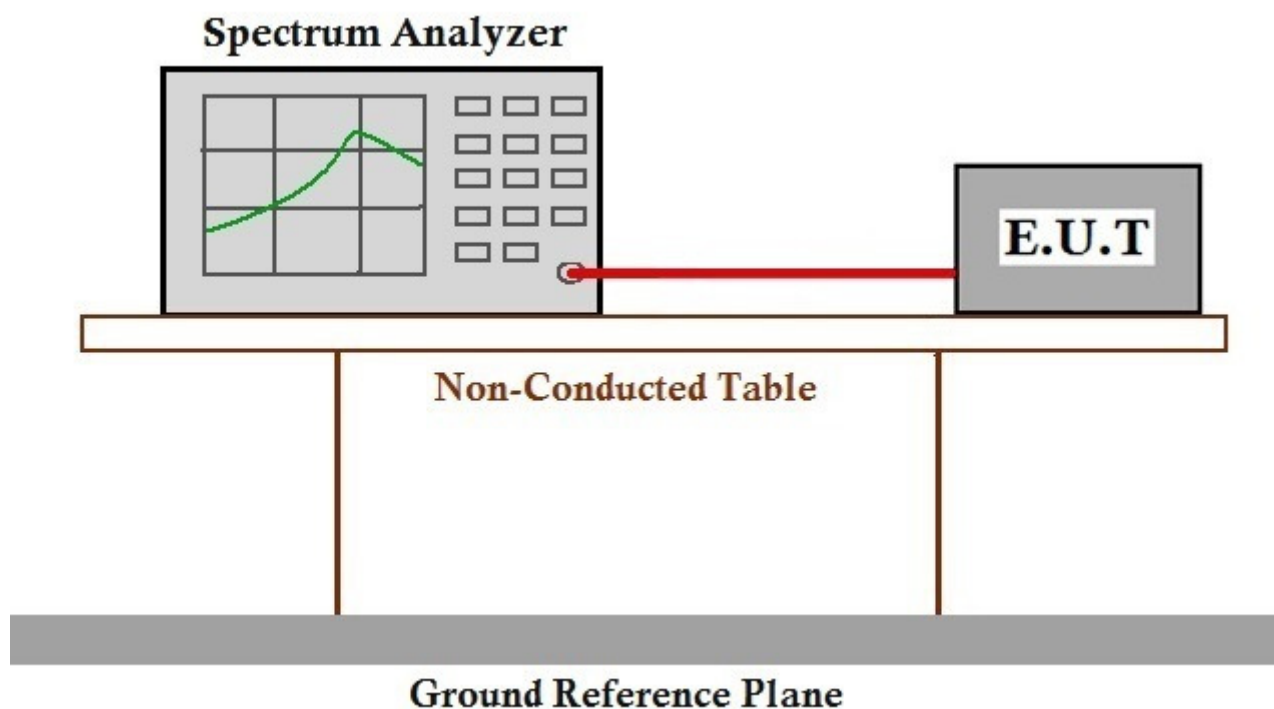
Temperature: 25 °C Humidity: 55 % RH Atmospheric Pressure: 1005 mbar

Pretest these mode to find the worst case: c: TX mode\_Keep the EUT in continuously transmitting mode with GFSK modulation for 2.4G.

d: Charge + TX mode\_Keep the EUT in charging and continuously transmitting mode with GFSK modulation for 2.4G.

The worst case for final test: c: TX mode\_Keep the EUT in continuously transmitting mode with GFSK modulation for 2.4G.

### 7.2.2 Test Setup Diagram



### 7.2.3 Measurement Procedure and Data

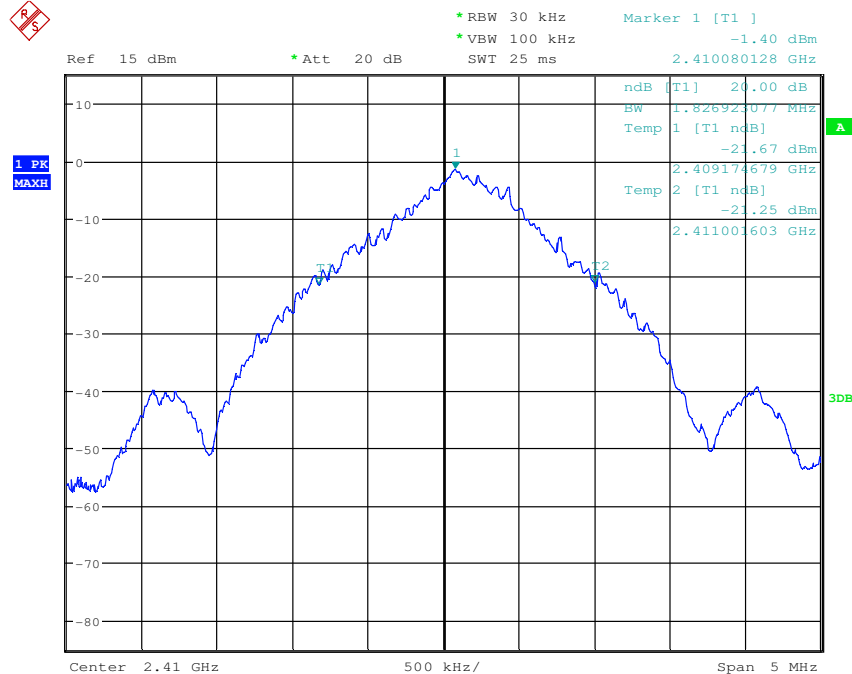
#### Measurement Data

| Test Channel | 20dB bandwidth (MHz) | Results |
|--------------|----------------------|---------|
| Lowest       | 1.83                 | Pass    |
| Middle       | 1.81                 | Pass    |
| Highest      | 2.83                 | Pass    |

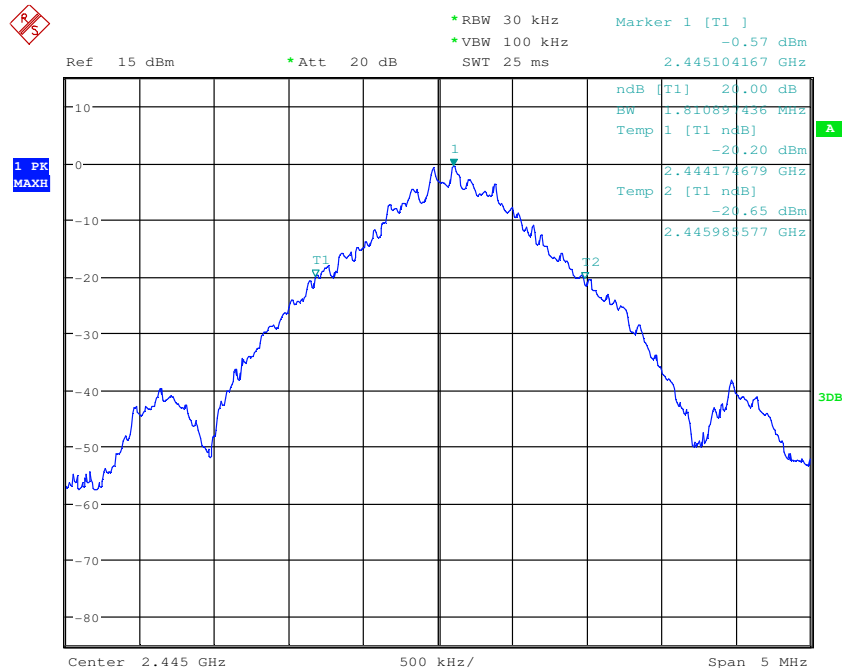


Test plot as follows:

|               |        |
|---------------|--------|
| Test channel: | Lowest |
|---------------|--------|

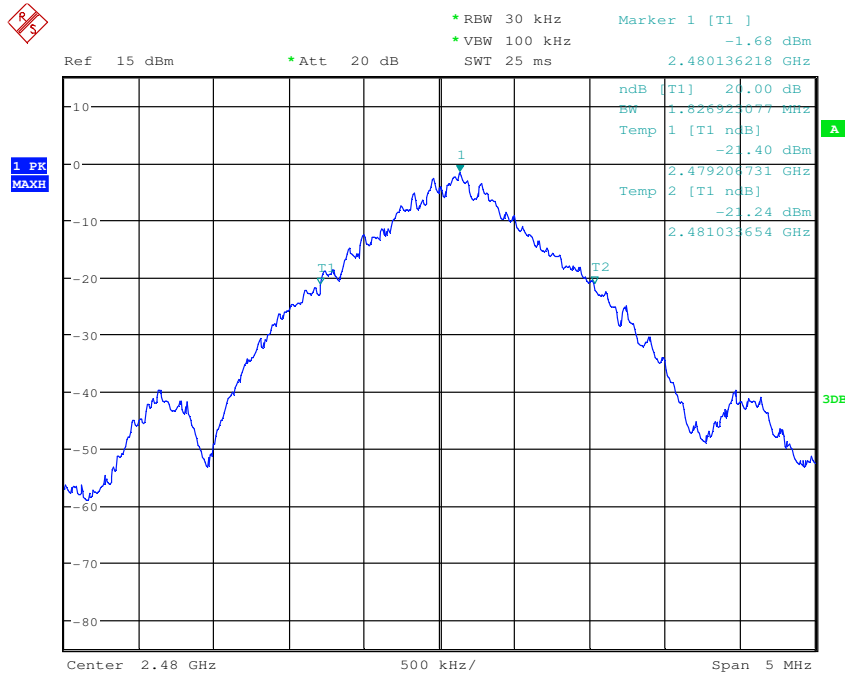


|               |        |
|---------------|--------|
| Test channel: | Middle |
|---------------|--------|





|               |         |
|---------------|---------|
| Test channel: | Highest |
|---------------|---------|





### 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    |

#### 7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 54 % RH Atmospheric Pressure: 1005 mbar  
Pretest these c: TX mode\_Keep the EUT in continuously transmitting mode with GFSK  
mode to find the modulation for 2.4G.  
worst case: d: Charge + TX mode\_Keep the EUT in charging and continuously transmitting  
mode with GFSK modulation for 2.4G.  
The worst case d: Charge + TX mode\_Keep the EUT in charging and continuously transmitting  
for final test: mode with GFSK modulation for 2.4G.

#### 7.3.2 Measurement Procedure and Data

- 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.
- 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.
- 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.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.
- Test the EUT in the lowest channel,the middle channel,the Highest channel.
- 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.
- Repeat above procedures until all frequencies measured was complete.

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



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**Shenzhen Branch**

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Peak value:

| Frequency<br>(MHz) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Preamp<br>Factor<br>(dB) | Read<br>Level<br>(dBuV) | Level<br>(dBuV/m) | Limit Line<br>(dBuV/m) | Over<br>Limit<br>(dB) | Polarization |
|--------------------|-----------------------------|-----------------------|--------------------------|-------------------------|-------------------|------------------------|-----------------------|--------------|
| 2410.45            | 29.14                       | 5.35                  | 37.96                    | 96.51                   | 93.04             | 114.00                 | -20.96                | Horizontal   |
| 2409.889           | 29.14                       | 5.35                  | 37.96                    | 87.74                   | 84.27             | 114.00                 | -29.73                | Vertical     |
| 2445.46            | 29.24                       | 5.38                  | 37.96                    | 95.30                   | 91.96             | 114.00                 | -22.04                | Horizontal   |
| 2444.820           | 29.24                       | 5.38                  | 37.96                    | 89.49                   | 86.15             | 114.00                 | -27.85                | Vertical     |
| 2479.781           | 29.34                       | 5.41                  | 37.95                    | 94.23                   | 91.03             | 114.00                 | -22.97                | Horizontal   |
| 2477.719           | 29.34                       | 5.41                  | 37.95                    | 87.28                   | 84.08             | 114.00                 | -29.92                | Vertical     |



#### 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 °C Humidity: 54 % RH Atmospheric Pressure: 1005 mbar

Pretest these mode to find the worst case: c: TX mode\_Keep the EUT in continuously transmitting mode with GFSK modulation for 2.4G.

d: Charge + TX mode\_Keep the EUT in charging and continuously transmitting mode with GFSK modulation for 2.4G.

The worst case for final test: d: Charge + TX mode\_Keep the EUT in charging and continuously transmitting mode with GFSK modulation for 2.4G.

#### **7.4.2 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.

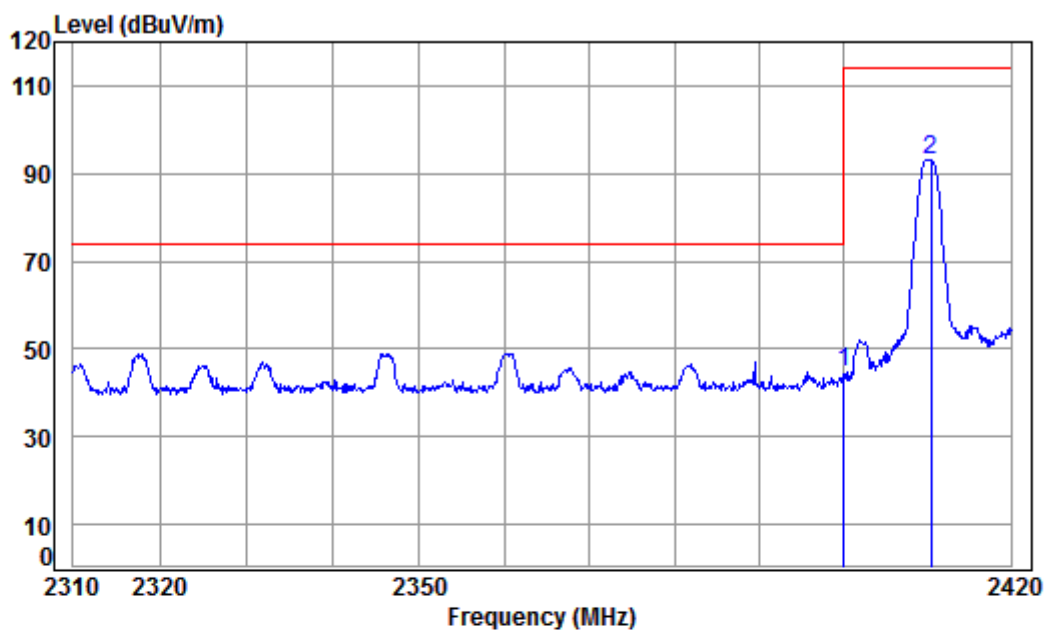
i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

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 Type:GFSK; Channel:Low



Condition: 3m HORIZONTAL

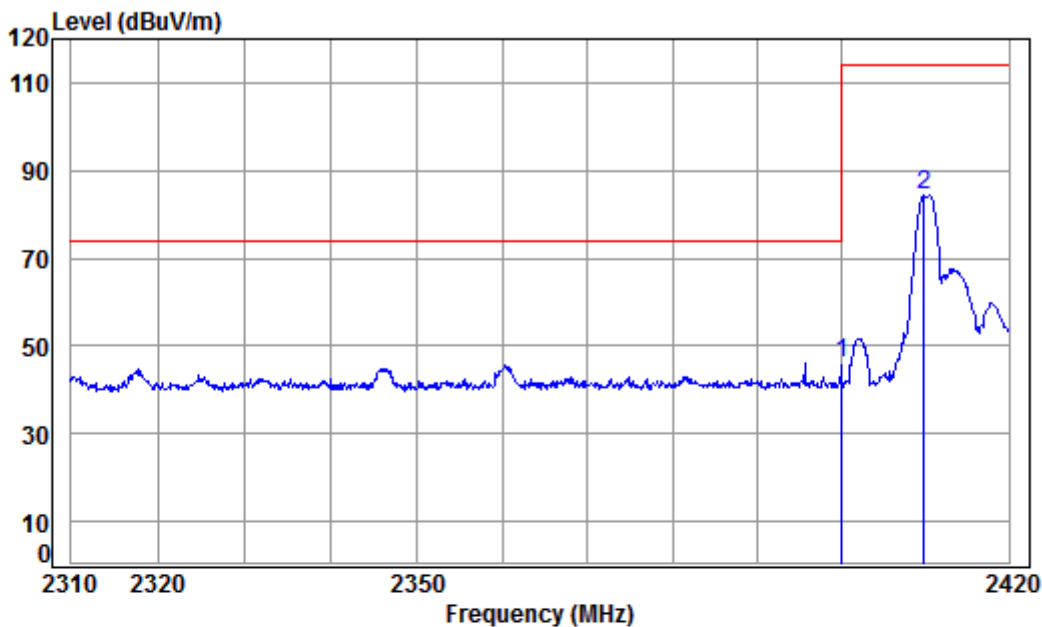
Job No : 06590CR

Mode : 2410 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    | 2400.000 | 5.34  | 29.09  | 37.96  | 48.05 | 44.52  | 74.00  | -29.48 peak |
| 2 pp | 2410.450 | 5.35  | 29.14  | 37.96  | 96.51 | 93.04  | 114.00 | -20.96 peak |



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



Condition: 3m VERTICAL

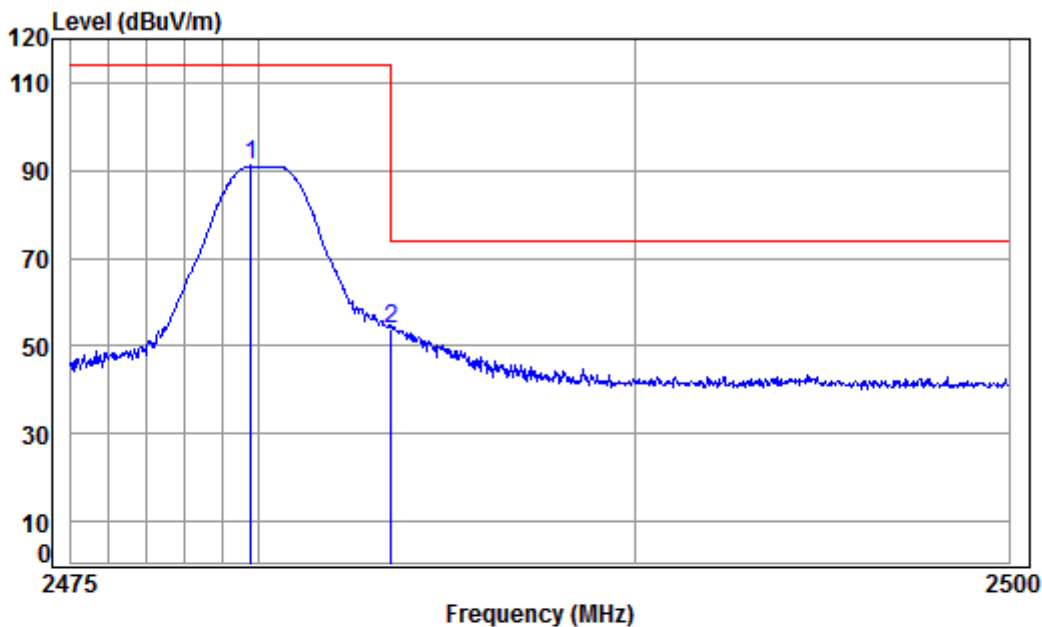
Job No : 06590CR

Mode : 2410 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 2400.000 | 5.34  | 29.09  | 37.96  | 49.74 | 46.21  | 74.00  | -27.79 peak |
| 2 | 2409.889    | 5.35  | 29.14  | 37.96  | 87.74 | 84.27  | 114.00 | -29.73 peak |



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



Condition: 3m HORIZONTAL

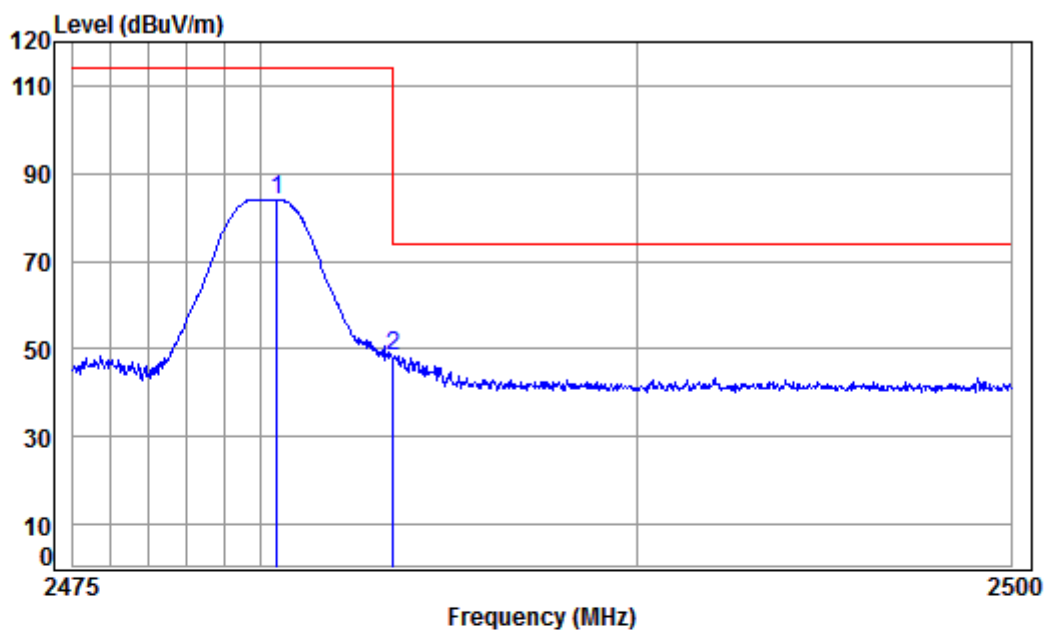
Job No : 06590CR

Mode : 2480 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    | 2479.781 | 5.41  | 29.34  | 37.95  | 94.23 | 91.03  | 114.00 | -22.97 | peak   |
| 2 pp | 2483.500 | 5.41  | 29.35  | 37.95  | 57.17 | 53.98  | 74.00  | -20.02 | peak   |



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



Condition: 3m VERTICAL

Job No : 06590CR

Mode : 2480 Band edge

|      | 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    | 2480.429 | 5.41       | 29.34      | 37.95         | 87.28      | 84.08  | 114.00 | -29.92 | peak   |
| 2 pp | 2483.500 | 5.41       | 29.35      | 37.95         | 51.75      | 48.56  | 74.00  | -25.44 | 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

Limit:

| Frequency(MHz) | Field strength<br>(microvolts/meter) | Limit<br>(dBuV/m) | Detector | Measurement Distance<br>(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: 23 °C Humidity: 54 % RH Atmospheric Pressure: 1005 mbar

Pretest these mode to find the worst case: c: TX mode\_Keep the EUT in continuously transmitting mode with GFSK modulation for 2.4G.

d: Charge + TX mode\_Keep the EUT in charging and continuously transmitting mode with GFSK modulation for 2.4G.

The worst case for final test: d: Charge + TX mode\_Keep the EUT in charging and continuously transmitting mode with GFSK modulation for 2.4G.

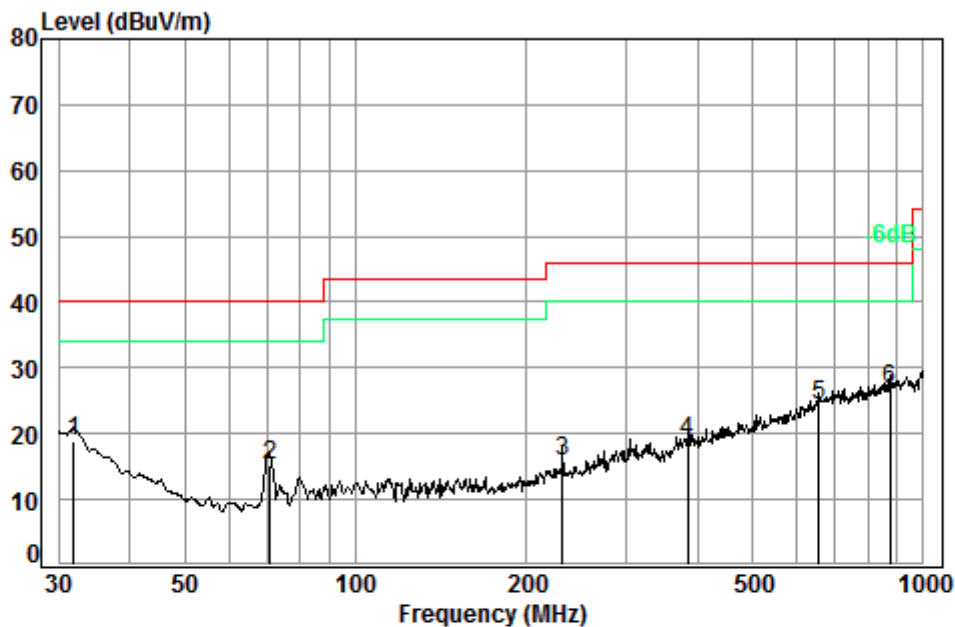
### 7.5.2 Measurement Procedure and Data

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.



Below 1GHz:

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



Condition: 3m HORIZONTAL

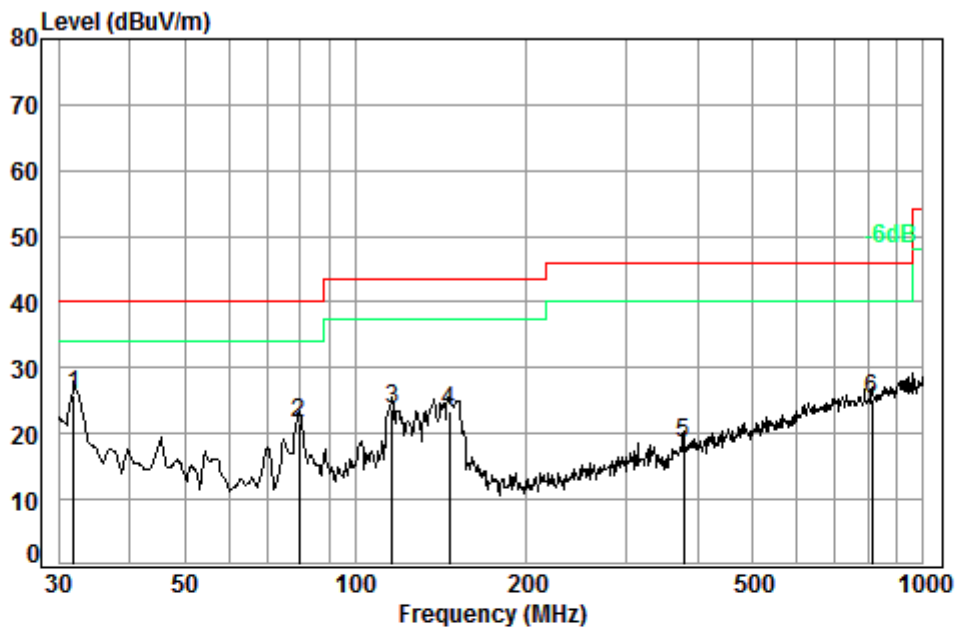
Job No. : 06590CR

Test mode: d

|      | 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       | 17.61      | 27.35         | 28.04      | 18.90  | 40.00      | -21.10     |
| 2    | 70.83  | 0.83       | 6.97       | 27.25         | 34.63      | 15.18  | 40.00      | -24.82     |
| 3    | 231.72 | 1.58       | 11.71      | 26.59         | 29.19      | 15.89  | 46.00      | -30.11     |
| 4    | 385.28 | 2.16       | 16.12      | 27.03         | 27.48      | 18.73  | 46.00      | -27.27     |
| 5    | 654.23 | 2.81       | 20.74      | 27.47         | 28.21      | 24.29  | 46.00      | -21.71     |
| 6 pp | 875.25 | 3.50       | 23.00      | 26.89         | 27.26      | 26.87  | 46.00      | -19.13     |



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



Condition: 3m VERTICAL

Job No. : 06590CR

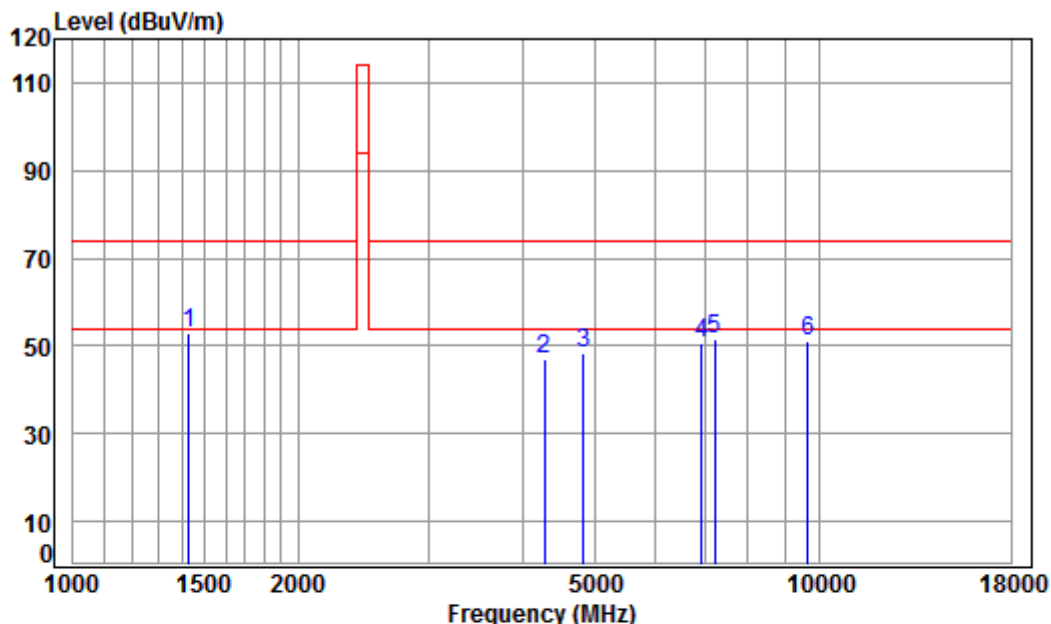
Test mode: d

|      |        | 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 pp | 31.95  | 0.60  | 17.61  | 27.35  | 34.98 | 25.84  | 40.00  | -14.16 |
| 2    | 79.52  | 1.09  | 7.66   | 27.23  | 40.01 | 21.53  | 40.00  | -18.47 |
| 3    | 116.13 | 1.25  | 8.17   | 27.09  | 41.36 | 23.69  | 43.50  | -19.81 |
| 4    | 146.37 | 1.31  | 8.67   | 26.93  | 40.49 | 23.54  | 43.50  | -19.96 |
| 5    | 378.58 | 2.14  | 16.04  | 26.99  | 27.24 | 18.43  | 46.00  | -27.57 |
| 6    | 813.11 | 3.26  | 22.26  | 27.23  | 26.93 | 25.22  | 46.00  | -20.78 |



Above 1GHz:

Mode:d; Polarization:Horizontal; Modulation Type:GFSK;



Condition: 3m HORIZONTAL

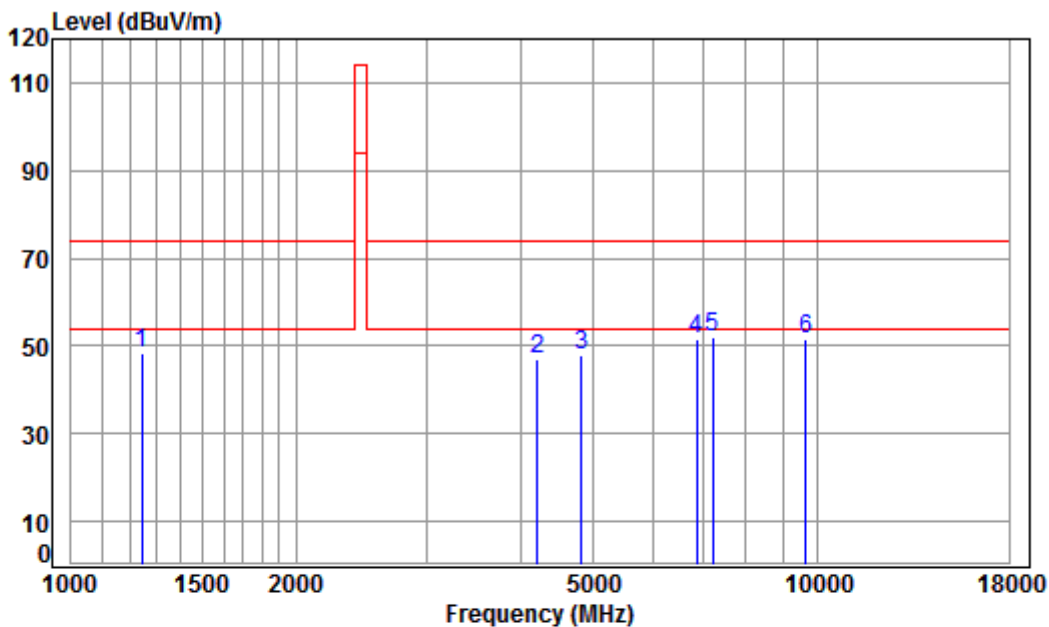
Job No : 06590CR

Mode : 2410 TX RSE

|      |          | 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 pp | 1431.047 | 4.39  | 25.52  | 38.06  | 61.30 | 53.15  | 74.00  | -20.85 | peak   |
| 2    | 4279.589 | 7.03  | 33.60  | 38.14  | 44.55 | 47.04  | 74.00  | -26.96 | peak   |
| 3    | 4820.000 | 7.75  | 34.19  | 38.41  | 44.86 | 48.39  | 74.00  | -25.61 | peak   |
| 4    | 6934.778 | 9.45  | 36.32  | 37.37  | 42.27 | 50.67  | 74.00  | -23.33 | peak   |
| 5    | 7230.000 | 9.67  | 36.41  | 37.09  | 42.76 | 51.75  | 74.00  | -22.25 | peak   |
| 6    | 9640.000 | 11.09 | 37.53  | 35.08  | 37.72 | 51.26  | 74.00  | -22.74 | peak   |



Mode:d; Polarization:Vertical; Modulation Type:GFSK;



Condition: 3m VERTICAL

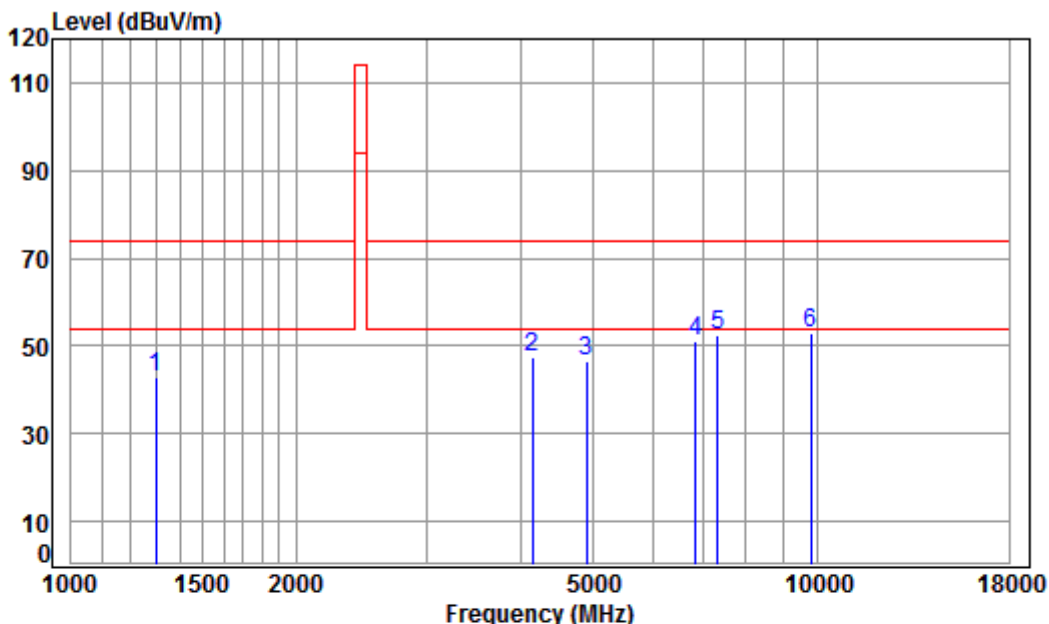
Job No : 06590CR

Mode : 2410 TX RSE

|      | Freq     | Cable Loss | Ant Factor | Preamplifier Factor | Read Level | Level  | Limit Line | Over Limit | Remark |
|------|----------|------------|------------|---------------------|------------|--------|------------|------------|--------|
|      | MHz      | dB         | dB/m       | dB                  | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1    | 1245.663 | 4.14       | 24.70      | 38.08               | 57.79      | 48.55  | 74.00      | -25.45     | peak   |
| 2    | 4206.011 | 6.95       | 33.60      | 38.10               | 44.75      | 47.20  | 74.00      | -26.80     | peak   |
| 3    | 4820.000 | 7.75       | 34.19      | 38.41               | 44.30      | 47.83  | 74.00      | -26.17     | peak   |
| 4    | 6874.906 | 9.40       | 36.16      | 37.43               | 43.31      | 51.44  | 74.00      | -22.56     | peak   |
| 5 pp | 7230.000 | 9.67       | 36.41      | 37.09               | 43.07      | 52.06  | 74.00      | -21.94     | peak   |
| 6    | 9640.000 | 11.09      | 37.53      | 35.08               | 37.80      | 51.34  | 74.00      | -22.66     | peak   |



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



Condition: 3m HORIZONTAL

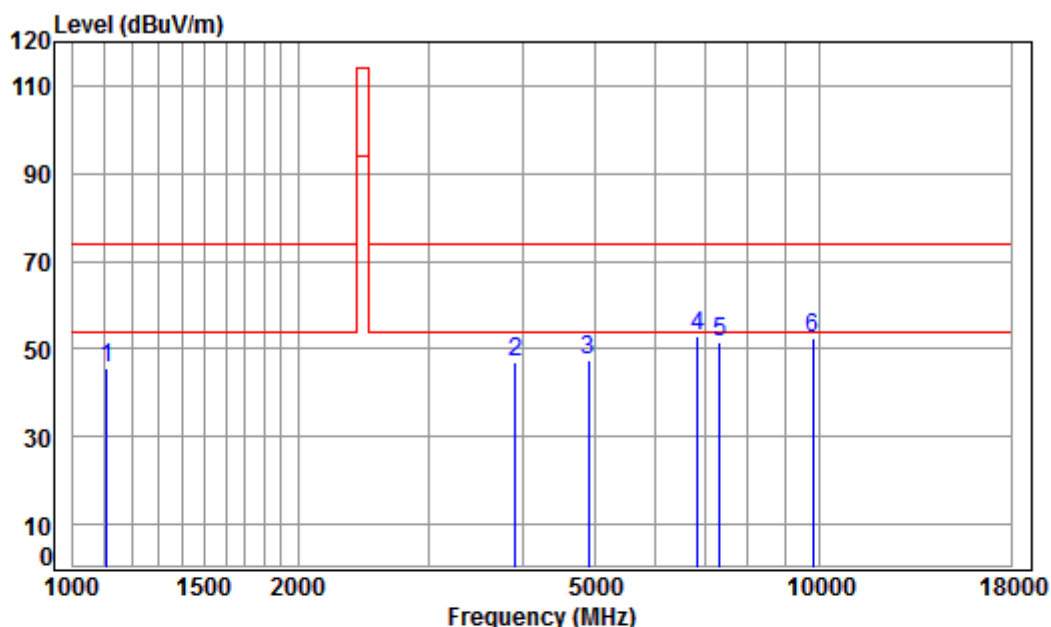
Job No : 06590CR

Mode : 2445 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    | 1297.103 | 4.22       | 24.94      | 38.07         | 51.91      | 43.00  | 74.00      | -31.00     | peak   |
| 2    | 4145.664 | 6.88       | 33.60      | 38.07         | 45.03      | 47.44  | 74.00      | -26.56     | peak   |
| 3    | 4890.000 | 7.85       | 34.31      | 38.44         | 42.76      | 46.48  | 74.00      | -27.52     | peak   |
| 4    | 6855.063 | 9.38       | 36.10      | 37.44         | 43.14      | 51.18  | 74.00      | -22.82     | peak   |
| 5    | 7335.000 | 9.74       | 36.36      | 37.00         | 43.26      | 52.36  | 74.00      | -21.64     | peak   |
| 6 pp | 9780.000 | 11.23      | 37.56      | 35.01         | 38.99      | 52.77  | 74.00      | -21.23     | peak   |



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



Condition: 3m VERTICAL

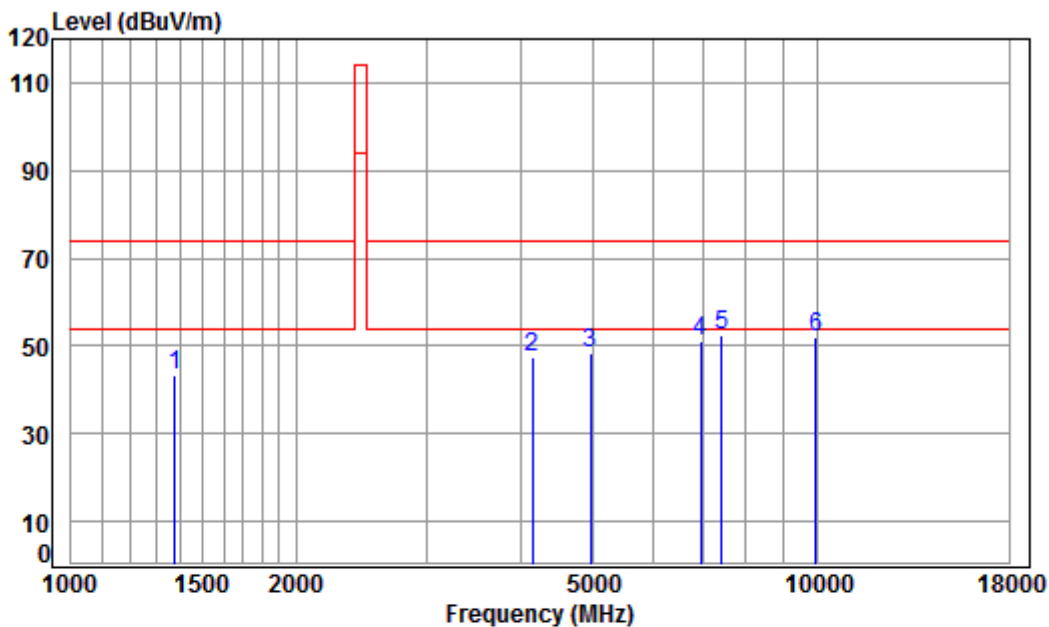
Job No : 06590CR

Mode : 2445 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    | 1109.660 | 3.94       | 24.02      | 38.09         | 55.70      | 45.57  | 74.00      | -28.43     | peak   |
| 2    | 3912.809 | 6.63       | 33.37      | 37.99         | 45.03      | 47.04  | 74.00      | -26.96     | peak   |
| 3    | 4890.000 | 7.85       | 34.31      | 38.44         | 43.55      | 47.27  | 74.00      | -26.73     | peak   |
| 4 pp | 6855.063 | 9.38       | 36.10      | 37.44         | 45.03      | 53.07  | 74.00      | -20.93     | peak   |
| 5    | 7335.000 | 9.74       | 36.36      | 37.00         | 42.63      | 51.73  | 74.00      | -22.27     | peak   |
| 6    | 9780.000 | 11.23      | 37.56      | 35.01         | 38.55      | 52.33  | 74.00      | -21.67     | peak   |



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



Condition: 3m HORIZONTAL

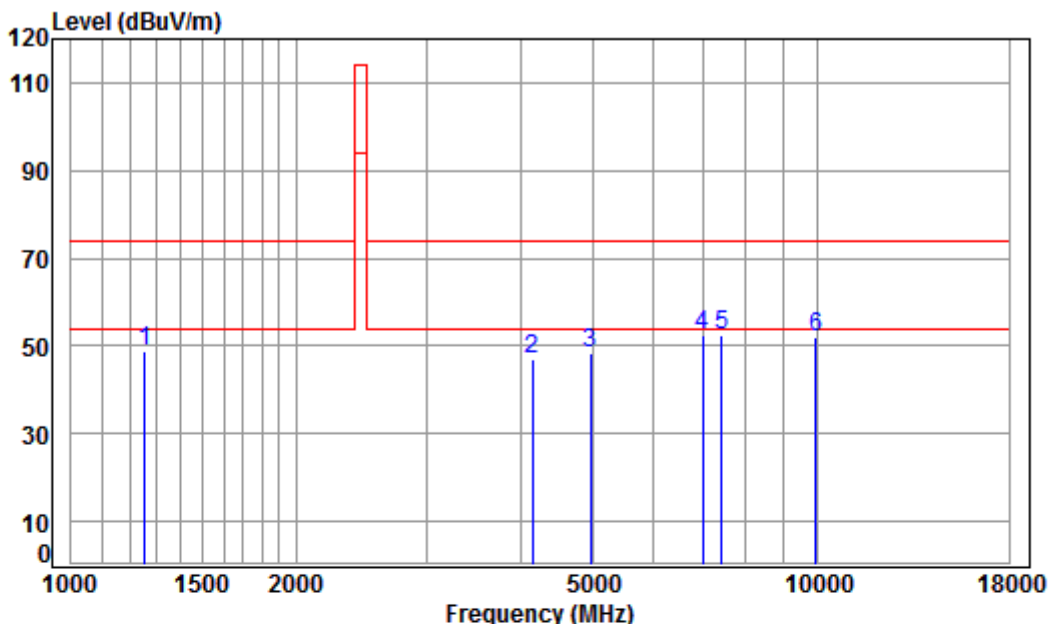
Job No : 06590CR

Mode : 2480 TX RSE

|      | Freq     | Cable Loss | Ant Factor | Preamplifier Factor | Read Level | Level  | Limit Line | Over Limit | Remark |
|------|----------|------------|------------|---------------------|------------|--------|------------|------------|--------|
|      | MHz      | dB         | dB/m       | dB                  | dBuV       | dBuV/m | dBuV/m     | dB         |        |
| 1    | 1378.273 | 4.32       | 25.30      | 38.06               | 51.93      | 43.49  | 74.00      | -30.51     | peak   |
| 2    | 4145.664 | 6.88       | 33.60      | 38.07               | 45.07      | 47.48  | 74.00      | -26.52     | peak   |
| 3    | 4960.000 | 7.95       | 34.43      | 38.48               | 44.55      | 48.45  | 74.00      | -25.55     | peak   |
| 4    | 6954.852 | 9.47       | 36.38      | 37.35               | 42.70      | 51.20  | 74.00      | -22.80     | peak   |
| 5 pp | 7440.000 | 9.81       | 36.32      | 36.90               | 43.14      | 52.37  | 74.00      | -21.63     | peak   |
| 6    | 9920.000 | 11.36      | 37.58      | 34.94               | 37.93      | 51.93  | 74.00      | -22.07     | peak   |



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



Condition: 3m VERTICAL

Job No : 06590CR

Mode : 2480 TX RSE

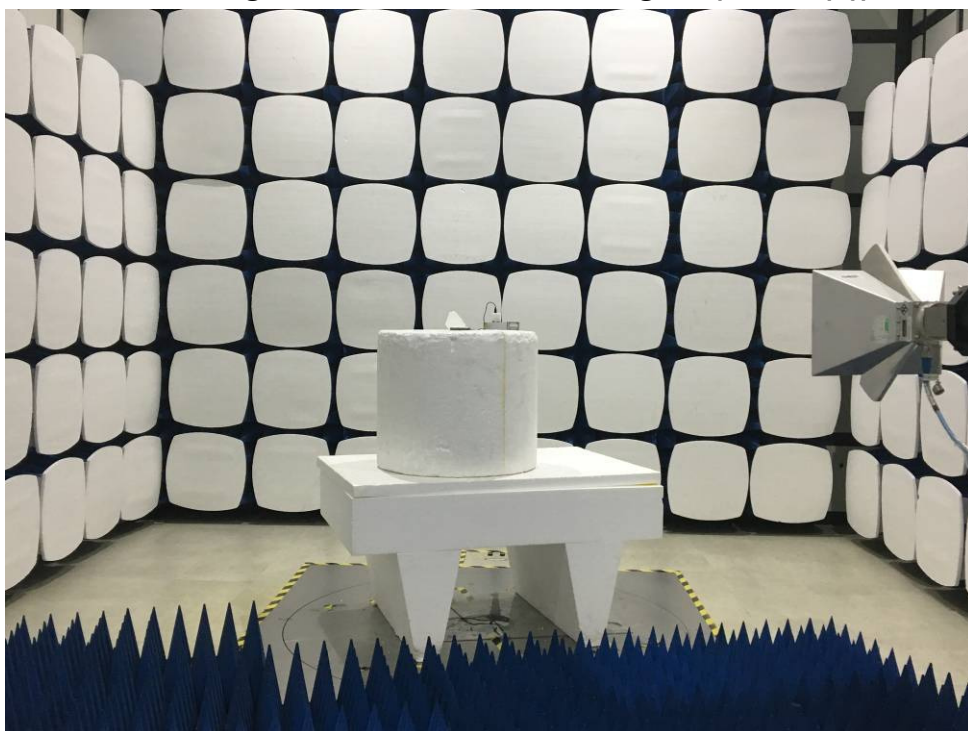
|      | Freq     | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level  | Limit  | Over   | Remark |
|------|----------|------------|------------|---------------|------------|--------|--------|--------|--------|
|      | MHz      | dB         | dB/m       | dB            | dBuV       | dBuV/m | dBuV/m | dB     |        |
| 1    | 1256.512 | 4.16       | 24.75      | 38.07         | 57.88      | 48.72  | 74.00  | -25.28 | peak   |
| 2    | 4145.664 | 6.88       | 33.60      | 38.07         | 44.57      | 46.98  | 74.00  | -27.02 | peak   |
| 3    | 4960.000 | 7.95       | 34.43      | 38.48         | 44.68      | 48.58  | 74.00  | -25.42 | peak   |
| 4    | 6995.172 | 9.51       | 36.49      | 37.30         | 43.63      | 52.33  | 74.00  | -21.67 | peak   |
| 5 pp | 7440.000 | 9.81       | 36.32      | 36.90         | 43.30      | 52.53  | 74.00  | -21.47 | peak   |
| 6    | 9920.000 | 11.36      | 37.58      | 34.94         | 37.95      | 51.95  | 74.00  | -22.05 | peak   |

## 8 Photographs

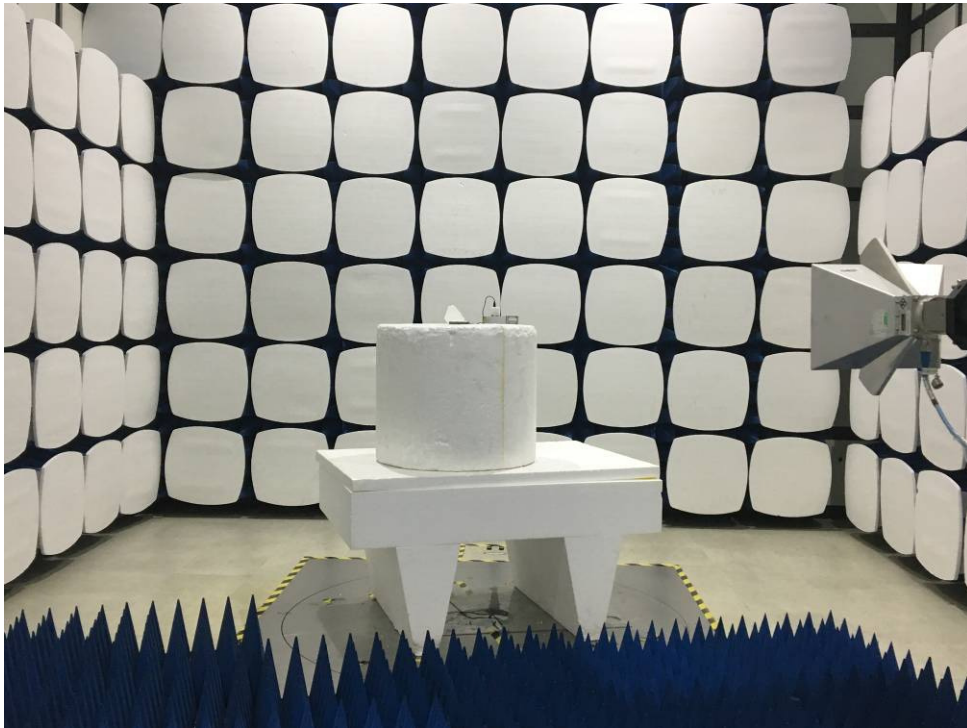
### 8.1 Conducted Emissions at AC Power Line (150kHz-30MHz) Test Setup



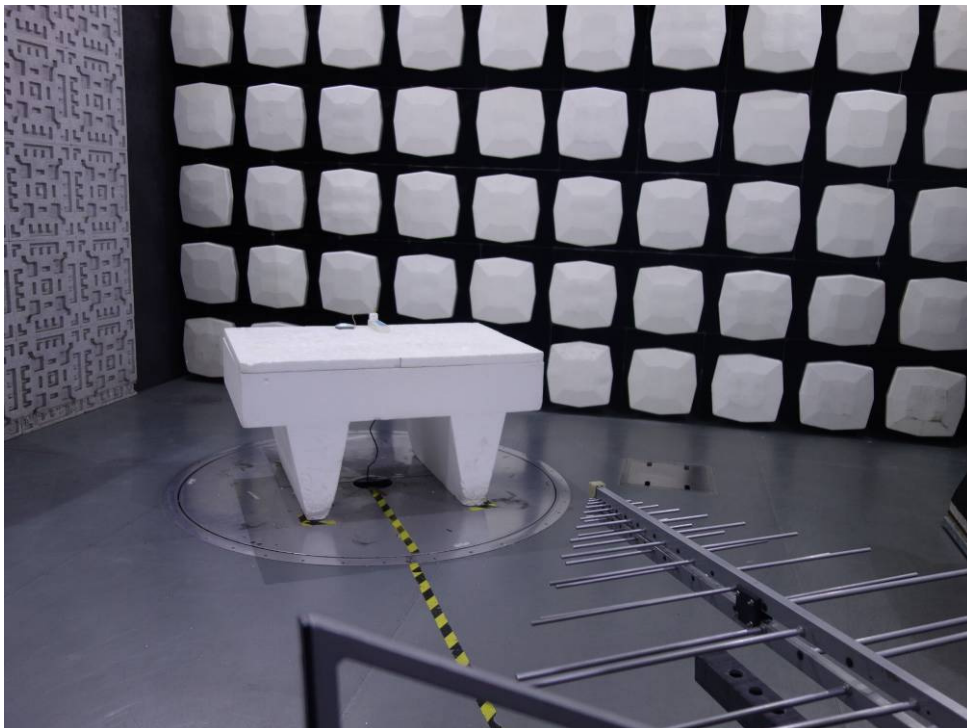
### 8.2 Field Strength of the Fundamental Signal (15.249(a)) Test Setup



### 8.3 Restricted Band Around Fundamental Frequency Test Setup



### 8.4 Radiated Emissions Test Setup





## **8.5 EUT Constructional Details**

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1706006590