



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

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Report No.: SZEM170300176005  
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## **TEST REPORT**

**Application No.:** SZEM1703001760RG  
**Applicant:** Huawei Technologies Co., Ltd.  
**Address of Applicant:** Administration Building, Headquarters of Huawei Technologies Co., Ltd.,  
Bantian, Longgang District, Shenzhen, 518129, P.R.C  
**Manufacturer:** Huawei Technologies Co., Ltd.  
**Address of Manufacturer:** Administration Building, Headquarters of Huawei Technologies Co., Ltd.,  
Bantian, Longgang District, Shenzhen, 518129, P.R.C  
**Factory:** Huawei Technologies Co., Ltd.  
**Address of Factory:** Administration Building, Headquarters of Huawei Technologies Co., Ltd.,  
Bantian, Longgang District, Shenzhen, 518129, P.R.C  
**Equipment Under Test (EUT):**  
**EUT Name:** HUAWEI MediaPad M3 Lite 10 (MediaPad M3 Lite 10 for short)  
**Model No.:** BAH-W09  
**FCC ID** QISBAH-W09  
**Trade mark:** HUAWEI  
**Standards:** 47 CFR Part 15, Subpart B:2016  
**Date of Receipt:** 2017-03-24  
**Date of Test:** 2017-04-03 to 2017-04-10  
**Date of Issue:** 2017-04-14

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

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



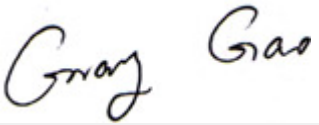
Jack Zhang  
EMC Laboratory Manager

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              |         | 2017-04-14 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

|                          |                                                                                     |  |            |
|--------------------------|-------------------------------------------------------------------------------------|--|------------|
| Authorized for issue by: |                                                                                     |  |            |
| Tested By                |    |  | 2017-04-10 |
|                          | Gray Gao /Project Engineer                                                          |  | Date       |
| Checked By               |  |  | 2017-04-14 |
|                          | Eric Fu /Reviewer                                                                   |  | Date       |



## 2 Test Summary

| Emission Part                                                    |                                  |            |             |        |
|------------------------------------------------------------------|----------------------------------|------------|-------------|--------|
| Item                                                             | Standard                         | Method     | Requirement | Result |
| Radiated Disturbance<br>(30MHz-1GHz)                             | 47 CFR Part<br>15,Subpart B:2016 | ANSI C63.4 | Class B     | Pass   |
| Conducted<br>Disturbance at Mains<br>Terminals<br>(150kHz-30MHz) | 47 CFR Part<br>15,Subpart B:2016 | ANSI C63.4 | Class B     | Pass   |
| Radiated Disturbance<br>(above 1GHz)                             | 47 CFR Part<br>15,Subpart B:2016 | ANSI C63.4 | Class B     | Pass   |

| InternalSource     | UpperFrequency                                                     |
|--------------------|--------------------------------------------------------------------|
| Below 1.705MHz     | 30MHz                                                              |
| 1.705MHz to 108MHz | 1GHz                                                               |
| 108MHz to 500MHz   | 2GHz                                                               |
| 500MHz to 1GHz     | 5GHz                                                               |
| Above 1GHz         | 5th harmonic of the highest frequency or 40GHz, whichever is lower |



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## 4 General Information

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

Power supply: Model: HW-050200U01  
AC input: 100-240V 50/60Hz,0.5A  
DC output: 5V 2A  
Cable: USB cable: 100cm shielded.

### 4.2 Description of Support Units

The EUT has been tested as an independent unit.

### 4.3 Measurement Uncertainty

| No. | Item                | Measurement Uncertainty |
|-----|---------------------|-------------------------|
| 1   | Conduction emission | 3.45dB (9kHz to 150kHz) |
|     |                     | 3.0dB (150kHz to 30MHz) |
| 2   | Radiated emission   | 4.5dB (30MHz-1GHz )     |
|     |                     | 4.8dB (1GHz-6GHz )      |



#### **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

| Radiated Disturbance(30MHz-1GHz)   |                      |          |              |            |              |
|------------------------------------|----------------------|----------|--------------|------------|--------------|
| Equipment                          | Manufacturer         | Model No | Inventory No | Cal Date   | Cal Due Date |
| 10m Semi-Anechoic Chamber          | SAEMC                | FSAC1018 | SEM001-03    | 2016-05-13 | 2017-05-13   |
| EMI Test Receiver<br>(9k-3GHz)     | Rohde & Schwarz      | ESR      | SEM004-03    | 2016-04-25 | 2017-04-25   |
| Trilog-Broadband Antenna(30M-1GHz) | Schwarzbeck          | VULB9168 | SEM003-18    | 2016-06-29 | 2019-06-29   |
| Pre-amplifier                      | Sonoma Instrument Co | 310N     | SEM005-03    | 2016-07-06 | 2017-07-06   |

| Conducted Disturbance at Mains Terminals(150kHz-30MHz) |                   |          |              |            |              |
|--------------------------------------------------------|-------------------|----------|--------------|------------|--------------|
| Equipment                                              | Manufacturer      | Model No | Inventory No | Cal Date   | Cal Due Date |
| Shielding Room                                         | ChangZhou ZhongYu | GB-88    | SEM001-06    | 2016-05-13 | 2017-05-13   |
| LISN                                                   | Rohde & Schwarz   | ENV216   | SEM007-01    | 2016-10-09 | 2017-10-09   |
| LISN                                                   | ETS-LINDGREN      | 3816/2   | SEM007-02    | 2016-04-25 | 2017-04-25   |
| EMI Test Receiver                                      | Rohde & Schwarz   | ESCI     | SEM004-02    | 2016-04-25 | 2017-04-25   |

| Radiated Disturbance(above 1GHz) |                          |                   |              |            |              |
|----------------------------------|--------------------------|-------------------|--------------|------------|--------------|
| Equipment                        | Manufacturer             | Model No          | Inventory No | Cal Date   | Cal Due Date |
| 3m Semi-Anechoic Chamber         | AUDIX                    | N/A               | SEM001-02    | 2016-05-13 | 2017-05-13   |
| EXA Spectrum Analyzer            | Agilent Technologies Inc | N9010A            | SEM004-09    | 2016-07-19 | 2017-07-19   |
| Horn Antenna(1-18GHz)            | Rohde & Schwarz          | HF907             | SEM003-06    | 2015-06-14 | 2018-06-14   |
| Low Noise Amplifier              | Black Diamond Series     | BDLNA-0118-352810 | SEM005-05    | 2016-10-09 | 2017-10-09   |



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**Shenzhen Branch**

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| General used equipment          |                                           |          |              |            |              |
|---------------------------------|-------------------------------------------|----------|--------------|------------|--------------|
| Equipment                       | Manufacturer                              | Model No | Inventory No | Cal Date   | Cal Due Date |
| 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    | 2016-05-18 | 2017-05-18   |



## 6 Emission Test Results

### 6.1 Radiated Disturbance(30MHz-1GHz)

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Test Requirement:     | 47 CFR Part 15, Subpart B:2016                                |
| Test Method:          | ANSI C63.4                                                    |
| Frequency Range:      | 30MHz to 1GHz                                                 |
| Measurement Distance: | 10m                                                           |
| Limit:                |                                                               |
| 30MHz -88MHz          | 29.5(dB $\mu$ V/m) quasi-peak                                 |
| 88MHz-216MHz          | 33.1(dB $\mu$ V/m) quasi-peak                                 |
| 216MHz-960MHz         | 35.6(dB $\mu$ V/m) quasi-peak                                 |
| 960MHz-1000MHz        | 43.5(dB $\mu$ V/m) quasi-peak                                 |
| Detector:             | Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz |

### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C      Humidity: 54 % RH      Atmospheric Pressure: 1015 mbar

a: playing MP4 + earphone + battery + adapter

Pretest these b: camera(Front) + earphone + battery + adapter

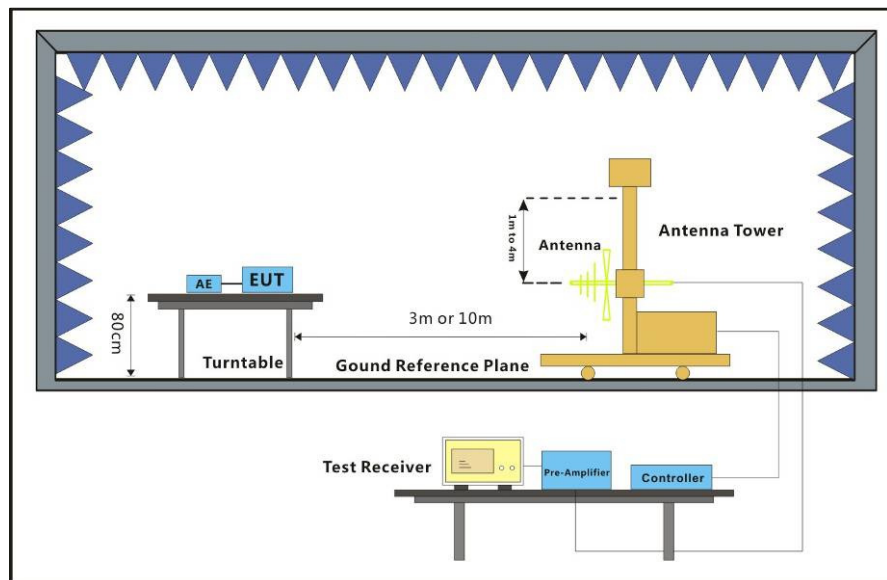
mode to find the c: camera(Rear) + earphone + battery + adapter

worst case: d: Transfer data between the EUT and the PC

The worst case b: camera(Front) + earphone + battery + adapter

for final test: d: Transfer data between the EUT and the PC

### 6.1.2 Test Setup Diagram

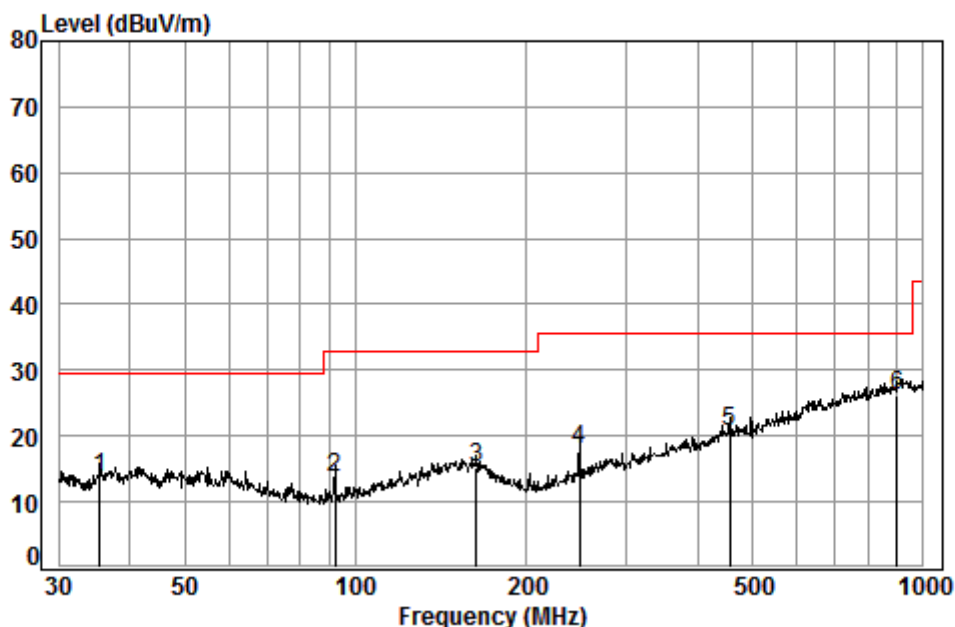


### 6.1.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.



Mode:b; Polarization:Horizontal



Condition: 10m HORIZONTAL

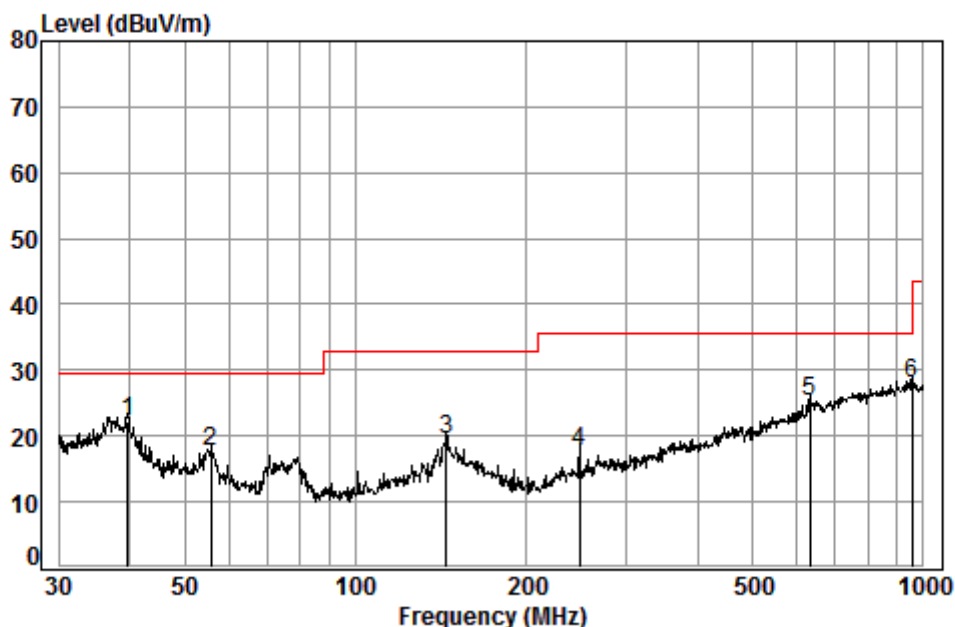
Job No. : 01760RG

Test Mode: b

|      |        | 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    | 35.50  | 6.71  | 12.71  | 32.98  | 27.39 | 13.83  | 29.50  | -15.67 |
| 2    | 92.14  | 7.20  | 8.85   | 32.82  | 30.43 | 13.66  | 33.00  | -19.34 |
| 3    | 163.18 | 7.50  | 13.07  | 32.73  | 27.24 | 15.08  | 33.00  | -17.92 |
| 4    | 247.68 | 7.84  | 11.20  | 32.65  | 31.51 | 17.90  | 35.60  | -17.70 |
| 5    | 455.91 | 8.44  | 16.25  | 32.60  | 28.70 | 20.79  | 35.60  | -14.81 |
| 6 pp | 900.15 | 9.50  | 22.22  | 32.50  | 26.96 | 26.18  | 35.60  | -9.42  |



Mode:b; Polarization:Vertical



Condition: 10m VERTICAL

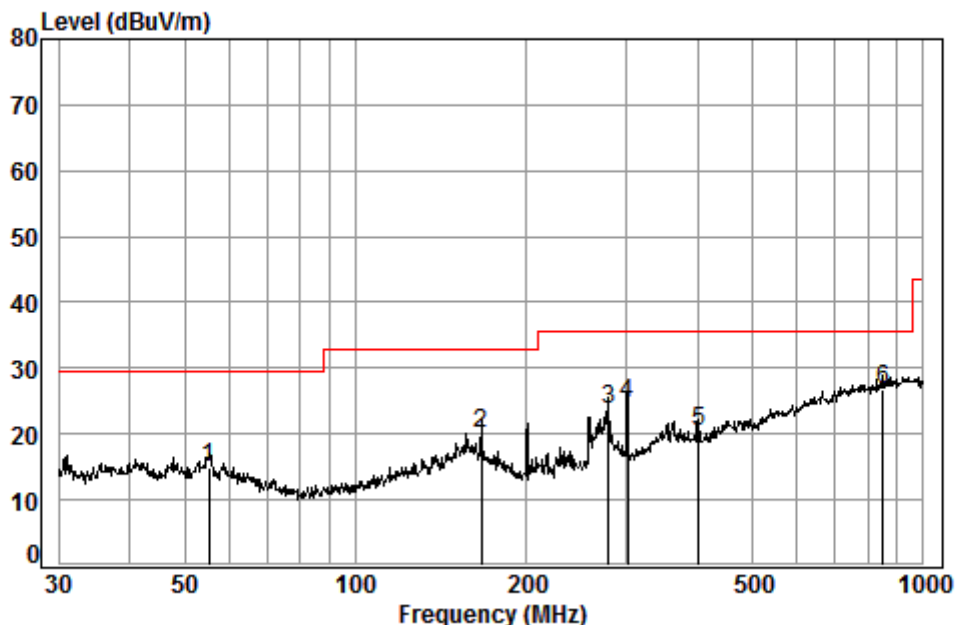
Job No. : 01760RG

Test Mode: b

|   |      | 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   | 39.71  | 6.79   | 13.28  | 32.99 | 35.23  | 22.31  | 29.50 | -7.19  |
| 2 |      | 55.61  | 7.00   | 12.33  | 32.97 | 31.28  | 17.64  | 29.50 | -11.86 |
| 3 |      | 144.33 | 7.42   | 13.05  | 32.75 | 31.74  | 19.46  | 33.00 | -13.54 |
| 4 |      | 247.68 | 7.84   | 11.20  | 32.65 | 31.39  | 17.78  | 35.60 | -17.82 |
| 5 |      | 631.69 | 8.98   | 19.31  | 32.60 | 29.48  | 25.17  | 35.60 | -10.43 |
| 6 |      | 955.44 | 9.59   | 22.75  | 32.50 | 28.10  | 27.94  | 35.60 | -7.66  |



Mode:d; Polarization:Horizontal



Condition: 10m HORIZONTAL

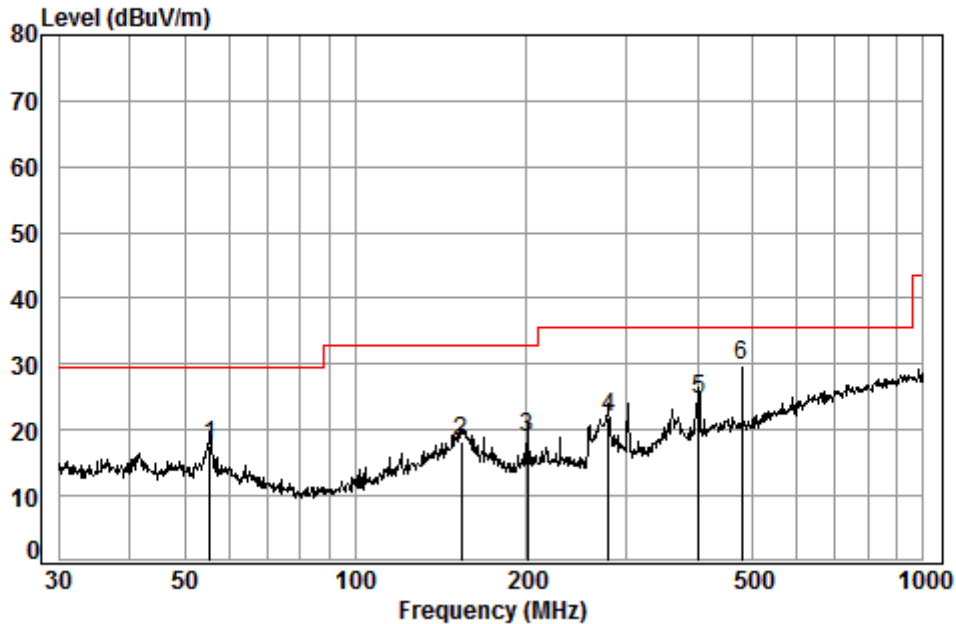
Job No. : 01760RG

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    | 55.22  | 7.00  | 12.36  | 32.97  | 28.66 | 15.05  | 29.50  | -14.45 |
| 2    | 166.65 | 7.50  | 12.74  | 32.73  | 32.54 | 20.05  | 33.00  | -12.95 |
| 3    | 279.04 | 8.00  | 12.13  | 32.62  | 36.17 | 23.68  | 35.60  | -11.92 |
| 4    | 301.42 | 8.06  | 12.70  | 32.60  | 36.43 | 24.59  | 35.60  | -11.01 |
| 5    | 401.84 | 8.30  | 14.91  | 32.60  | 29.63 | 20.24  | 35.60  | -15.36 |
| 6 pp | 848.06 | 9.34  | 21.59  | 32.55  | 28.44 | 26.82  | 35.60  | -8.78  |



Mode:d; Polarization:Vertical



Condition: 10m VERTICAL

Job No. : 01760RG

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    | 55.41  | 7.00  | 12.34  | 32.97  | 31.27 | 17.64  | 29.50  | -11.86 |
| 2    | 153.74 | 7.47  | 13.40  | 32.74  | 30.09 | 18.22  | 33.00  | -14.78 |
| 3    | 200.69 | 7.60  | 9.31   | 32.70  | 34.63 | 18.84  | 33.00  | -14.16 |
| 4    | 279.04 | 8.00  | 12.13  | 32.62  | 34.47 | 21.98  | 35.60  | -13.62 |
| 5    | 401.84 | 8.30  | 14.91  | 32.60  | 34.00 | 24.61  | 35.60  | -10.99 |
| 6 pp | 480.00 | 8.50  | 16.52  | 32.60  | 37.40 | 29.82  | 35.60  | -5.78  |

## 6.2 Conducted Disturbance at Mains Terminals(150kHz-30MHz)

|                   |                                                              |
|-------------------|--------------------------------------------------------------|
| Test Requirement: | 47 CFR Part 15, Subpart B:2016                               |
| Test Method:      | ANSI C63.4                                                   |
| Frequency Range:  | 150kHz to 30MHz                                              |
| Limit:            |                                                              |
| 0.15M-0.5MHz      | 66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average      |
| 0.5M-5MHz         | 56dB(μV) quasi-peak, 46dB(μV) average                        |
| 5M-30MHz          | 60dB(μV) quasi-peak, 50dB(μV) average                        |
| Detector:         | Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz |

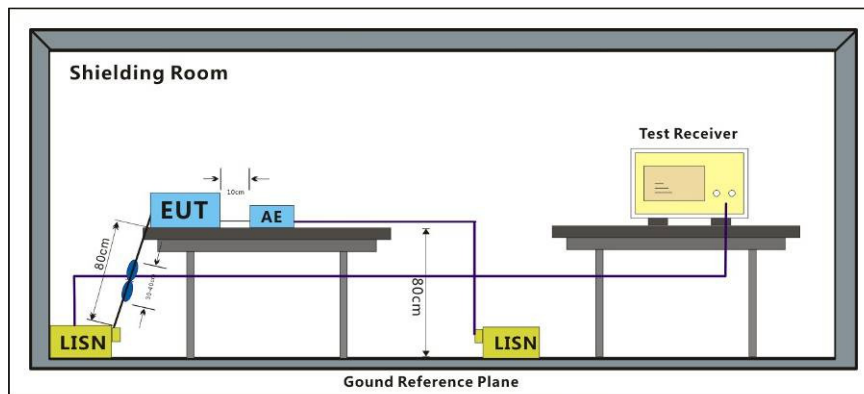
### 6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25.0 °C Humidity: 55 % RH Atmospheric Pressure: 1015 mbar

- a: playing MP4 + earphone + battery + adapter
- Pretest these mode to find the worst case:
- b: camera(Front) + earphone + battery + adapter
- c: camera(Rear) + earphone + battery + adapter
- d: Transfer data between the EUT and the PC
- The worst case for final test:
- b: camera(Front) + earphone + battery + adapter
- d: Transfer data between the EUT and the PC

### 6.2.2 Test Setup Diagram

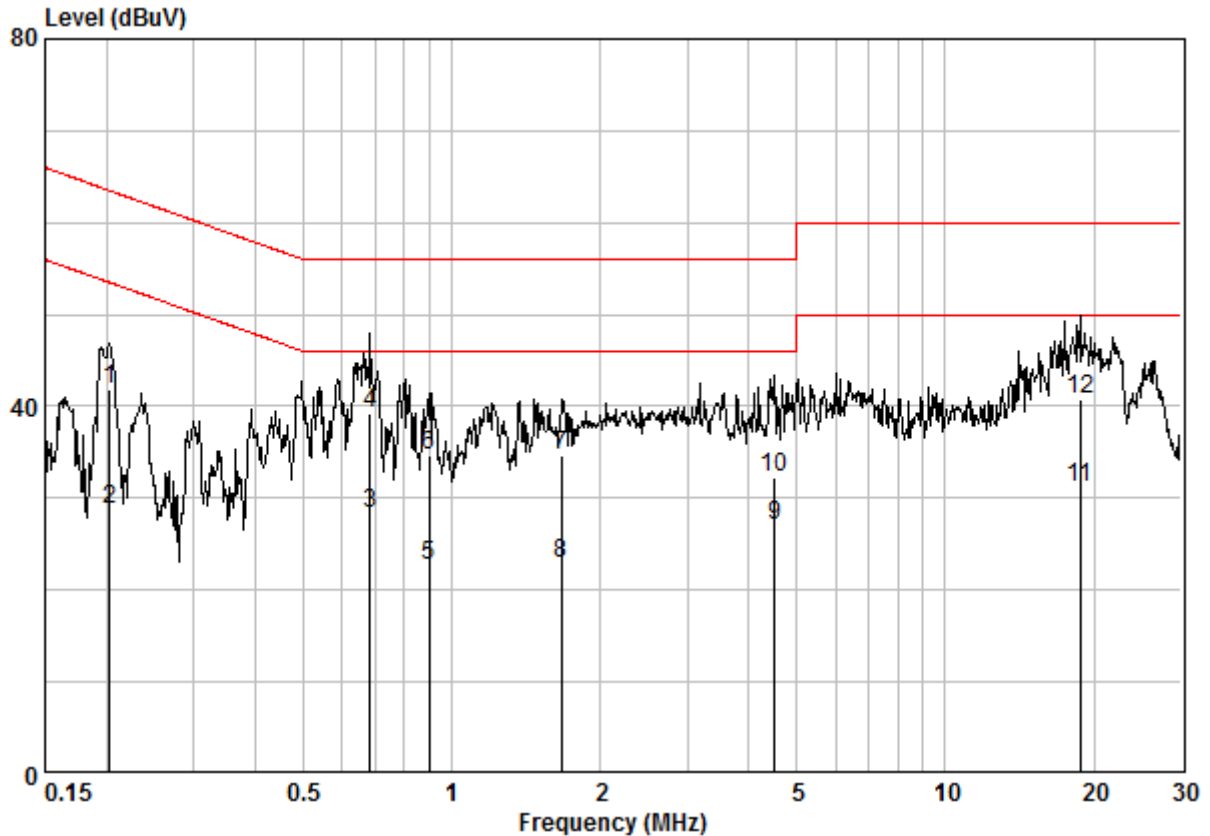


### 6.2.3 Measurement Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.



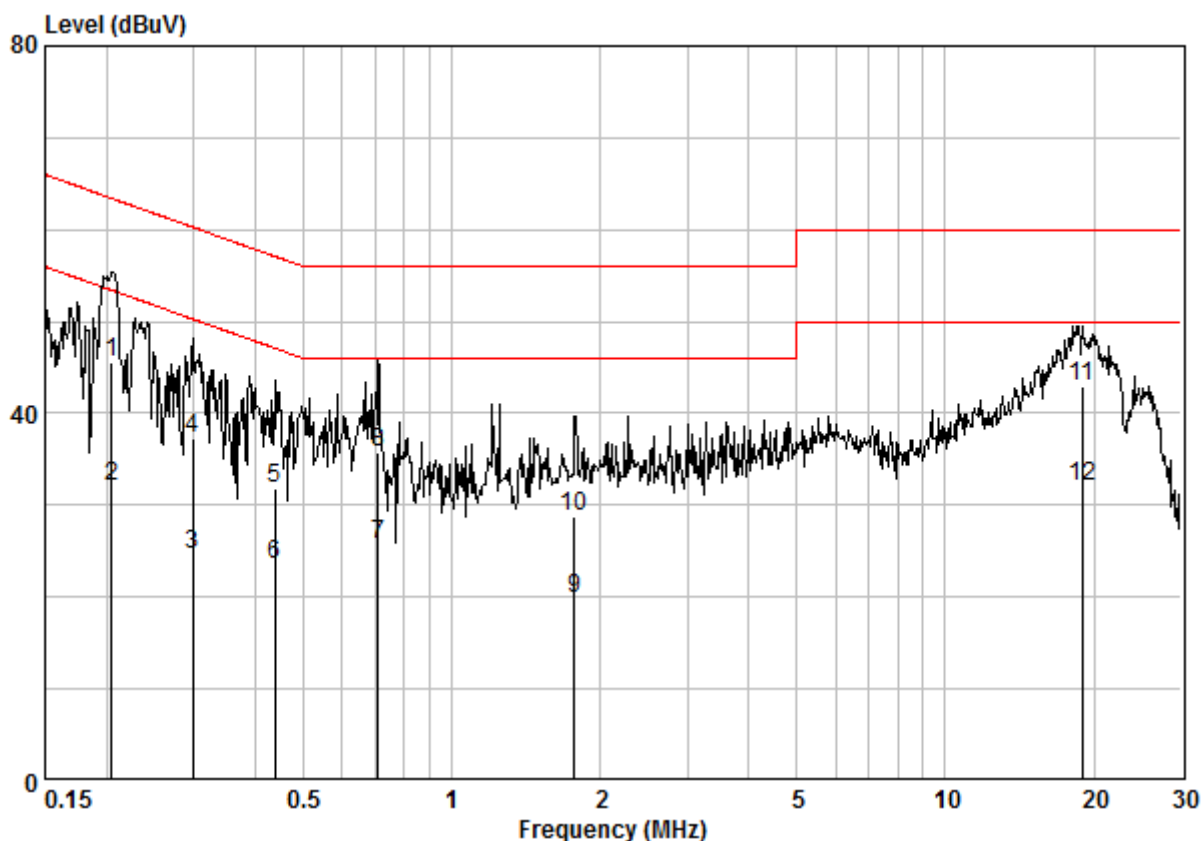
Mode:b; Line:Live Line



Site : Shielding Room  
Condition : CE LINE  
Job No. : 01760RG  
Test Mode : b  
: 1760RG05

|    | Freq    | Cable Loss | LISN Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark  |
|----|---------|------------|-------------|------------|-------------|------------|------------|---------|
|    | MHz     | dB         | dB          | dBuV       | dBuV        | dBuV       | dB         |         |
| 1  | 0.20289 | 0.02       | 9.64        | 32.12      | 41.78       | 63.49      | -21.71     | QP      |
| 2  | 0.20289 | 0.02       | 9.64        | 19.22      | 28.88       | 53.49      | -24.61     | AVERAGE |
| 3  | 0.68263 | 0.02       | 9.65        | 18.76      | 28.44       | 46.00      | -17.56     | AVERAGE |
| 4  | 0.68263 | 0.02       | 9.65        | 29.62      | 39.29       | 56.00      | -16.71     | QP      |
| 5  | 0.89917 | 0.03       | 9.65        | 13.03      | 22.71       | 46.00      | -23.29     | AVERAGE |
| 6  | 0.89917 | 0.03       | 9.65        | 24.93      | 34.60       | 56.00      | -21.40     | QP      |
| 7  | 1.671   | 0.03       | 9.66        | 25.04      | 34.73       | 56.00      | -21.27     | QP      |
| 8  | 1.671   | 0.03       | 9.66        | 13.25      | 22.94       | 46.00      | -23.06     | AVERAGE |
| 9  | 4.501   | 0.02       | 9.73        | 17.36      | 27.10       | 46.00      | -18.90     | AVERAGE |
| 10 | 4.501   | 0.02       | 9.73        | 22.46      | 32.21       | 56.00      | -23.79     | QP      |
| 11 | 18.721  | 0.17       | 10.12       | 20.87      | 31.16       | 50.00      | -18.84     | AVERAGE |
| 12 | 18.721  | 0.17       | 10.12       | 30.49      | 40.78       | 60.00      | -19.22     | QP      |

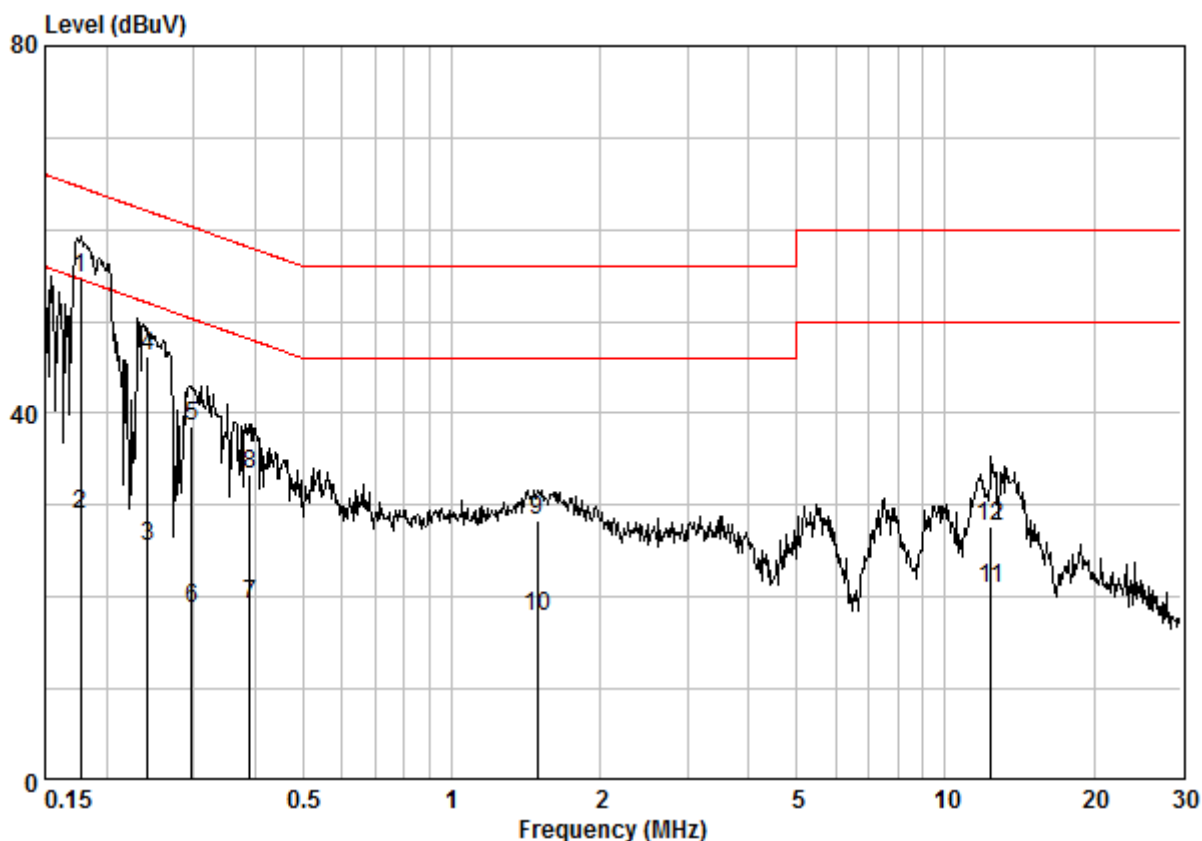
Mode:b; Line:Neutral Line



Site : Shielding Room  
Condition : CE NEUTRAL  
Job No. : 01760RG  
Test Mode : b  
: 1760RG05

|    | Freq    | Cable Loss | LISN Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark  |
|----|---------|------------|-------------|------------|-------------|------------|------------|---------|
|    | MHz     | dB         | dB          | dBuV       | dBuV        | dBuV       | dB         |         |
| 1  | 0.20505 | 0.02       | 9.63        | 35.89      | 45.54       | 63.40      | -17.87     | QP      |
| 2  | 0.20505 | 0.02       | 9.63        | 22.45      | 32.10       | 53.40      | -21.31     | AVERAGE |
| 3  | 0.29869 | 0.02       | 9.63        | 14.92      | 24.57       | 50.28      | -25.71     | AVERAGE |
| 4  | 0.29869 | 0.02       | 9.63        | 27.63      | 37.28       | 60.28      | -23.00     | QP      |
| 5  | 0.43742 | 0.02       | 9.63        | 22.08      | 31.73       | 57.11      | -25.38     | QP      |
| 6  | 0.43742 | 0.02       | 9.63        | 13.97      | 23.62       | 47.11      | -23.49     | AVERAGE |
| 7  | 0.70842 | 0.03       | 9.64        | 16.02      | 25.68       | 46.00      | -20.32     | AVERAGE |
| 8  | 0.70842 | 0.03       | 9.64        | 26.11      | 35.77       | 56.00      | -20.23     | QP      |
| 9  | 1.772   | 0.03       | 9.66        | 10.06      | 19.74       | 46.00      | -26.26     | AVERAGE |
| 10 | 1.772   | 0.03       | 9.66        | 19.19      | 28.87       | 56.00      | -27.13     | QP      |
| 11 | 18.920  | 0.17       | 10.15       | 32.61      | 42.93       | 60.00      | -17.07     | QP      |
| 12 | 18.920  | 0.17       | 10.15       | 21.68      | 32.00       | 50.00      | -18.00     | AVERAGE |

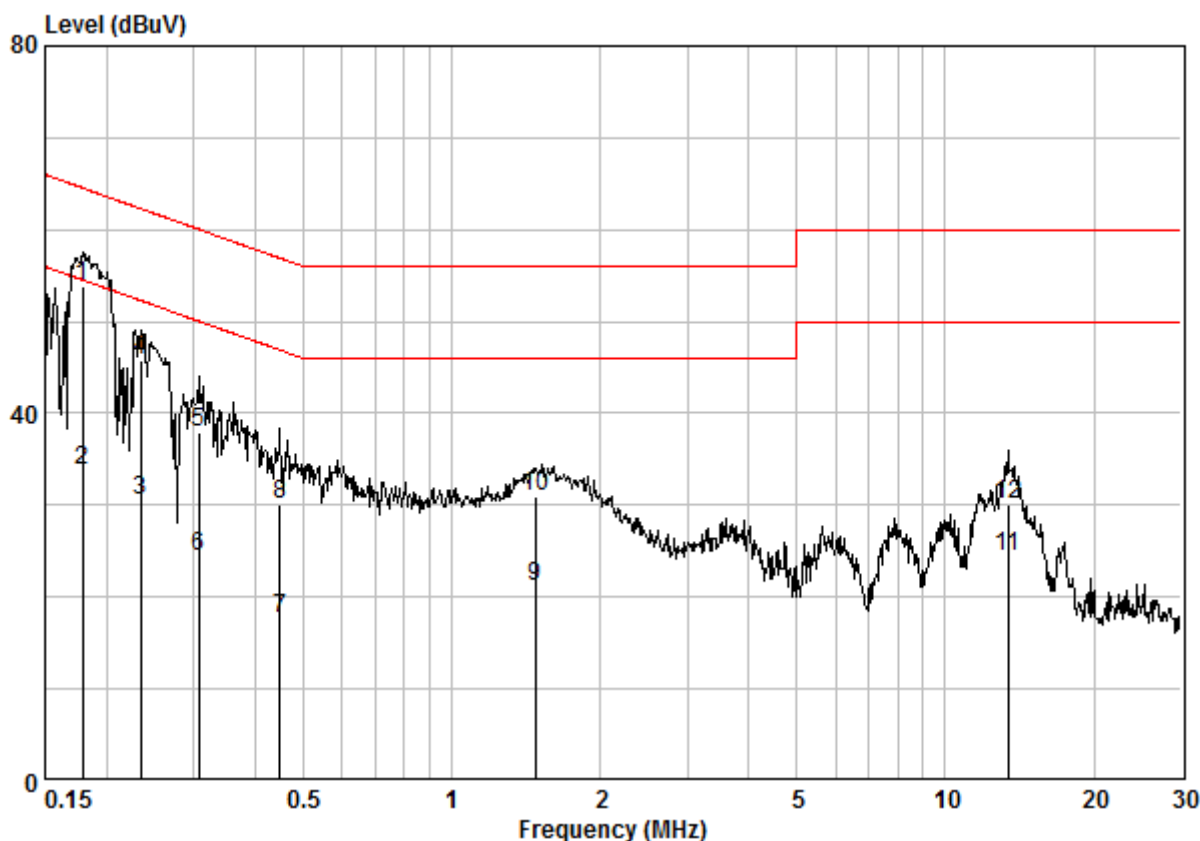
Mode:d; Line:Live Line



Site : Shielding Room  
Condition : CE LINE  
Job No. : 01760RG  
Test Mode : d

|     | Freq    | Cable Loss | LISN Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark  |
|-----|---------|------------|-------------|------------|-------------|------------|------------|---------|
|     | MHz     | dB         | dB          | dBuV       | dBuV        | dBuV       | dB         |         |
| 1 @ | 0.17678 | 0.02       | 9.64        | 45.12      | 54.78       | 64.64      | -9.85      | QP      |
| 2   | 0.17678 | 0.02       | 9.64        | 19.34      | 29.00       | 54.64      | -25.64     | AVERAGE |
| 3   | 0.24165 | 0.02       | 9.64        | 15.94      | 25.60       | 52.04      | -26.44     | AVERAGE |
| 4   | 0.24165 | 0.02       | 9.64        | 36.51      | 46.17       | 62.04      | -15.87     | QP      |
| 5   | 0.29711 | 0.02       | 9.64        | 28.86      | 38.52       | 60.32      | -21.81     | QP      |
| 6   | 0.29711 | 0.02       | 9.64        | 9.04       | 18.70       | 50.32      | -31.62     | AVERAGE |
| 7   | 0.38929 | 0.02       | 9.64        | 9.42       | 19.08       | 48.08      | -29.00     | AVERAGE |
| 8   | 0.38929 | 0.02       | 9.64        | 23.66      | 33.32       | 58.08      | -24.76     | QP      |
| 9   | 1.487   | 0.03       | 9.66        | 18.62      | 28.31       | 56.00      | -27.69     | QP      |
| 10  | 1.487   | 0.03       | 9.66        | 8.19       | 17.88       | 46.00      | -28.12     | AVERAGE |
| 11  | 12.384  | 0.15       | 9.91        | 10.80      | 20.86       | 50.00      | -29.14     | AVERAGE |
| 12  | 12.384  | 0.15       | 9.91        | 17.56      | 27.62       | 60.00      | -32.38     | QP      |

Mode:d; Line:Neutral Line



Site : Shielding Room  
Condition : CE NEUTRAL  
Job No. : 01760RG  
Test Mode : d

|     | Freq    | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark  |
|-----|---------|------------|-------------|------------|-------|------------|------------|---------|
|     | MHz     | dB         | dB          | dBuV       | dBuV  | dBuV       | dB         |         |
| 1 @ | 0.17866 | 0.02       | 9.63        | 44.21      | 53.86 | 64.55      | -10.68     | QP      |
| 2   | 0.17866 | 0.02       | 9.63        | 24.09      | 33.74 | 54.55      | -20.81     | AVERAGE |
| 3   | 0.23409 | 0.02       | 9.63        | 20.76      | 30.41 | 52.30      | -21.89     | AVERAGE |
| 4   | 0.23409 | 0.02       | 9.63        | 36.04      | 45.69 | 62.30      | -16.61     | QP      |
| 5   | 0.30671 | 0.02       | 9.63        | 28.28      | 37.93 | 60.06      | -22.13     | QP      |
| 6   | 0.30671 | 0.02       | 9.63        | 14.67      | 24.32 | 50.06      | -25.74     | AVERAGE |
| 7   | 0.44916 | 0.02       | 9.63        | 8.09       | 17.74 | 46.89      | -29.15     | AVERAGE |
| 8   | 0.44916 | 0.02       | 9.63        | 20.48      | 30.13 | 56.89      | -26.76     | QP      |
| 9   | 1.480   | 0.03       | 9.65        | 11.56      | 21.24 | 46.00      | -24.76     | AVERAGE |
| 10  | 1.480   | 0.03       | 9.65        | 21.17      | 30.85 | 56.00      | -25.15     | QP      |
| 11  | 13.408  | 0.15       | 9.93        | 14.39      | 24.48 | 50.00      | -25.52     | AVERAGE |
| 12  | 13.408  | 0.15       | 9.93        | 19.98      | 30.07 | 60.00      | -29.93     | QP      |

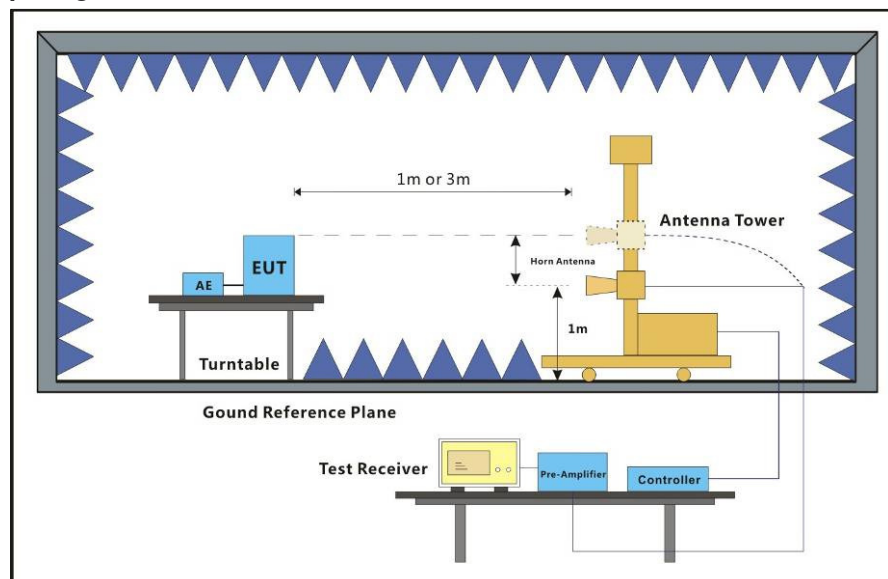
### 6.3 Radiated Disturbance(above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B:2016  
Test Method: ANSI C63.4  
Frequency Range: Above 1GHz  
Measurement Distance: 3m  
Limit:  
Above 1GHz 74(dBμV/m) peak, 54(dBμV/m) average  
Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to 18000MHz

#### 6.3.1 E.U.T. Operation

Operating Environment:  
Temperature: 24.0 °C Humidity: 56 % RH Atmospheric Pressure: 1015 mbar  
a: playing MP4 + earphone + battery + adapter  
Pretest these mode to find the worst case:  
b: camera(Front) + earphone + battery + adapter  
c: camera(Rear) + earphone + battery + adapter  
d: Transfer data between the EUT and the PC  
The worst case for final test:  
b: camera(Front) + earphone + battery + adapter  
d: Transfer data between the EUT and the PC

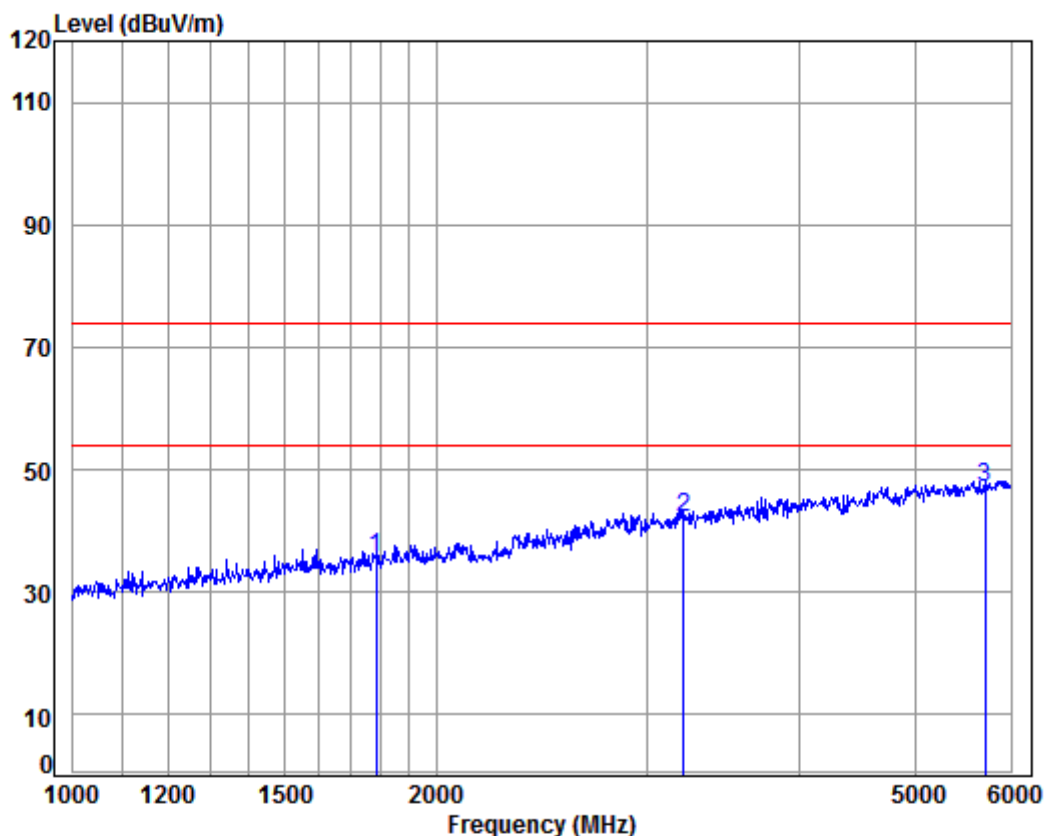
#### 6.3.2 Test Setup Diagram



#### 6.3.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

Mode:b; Polarization:Horizontal



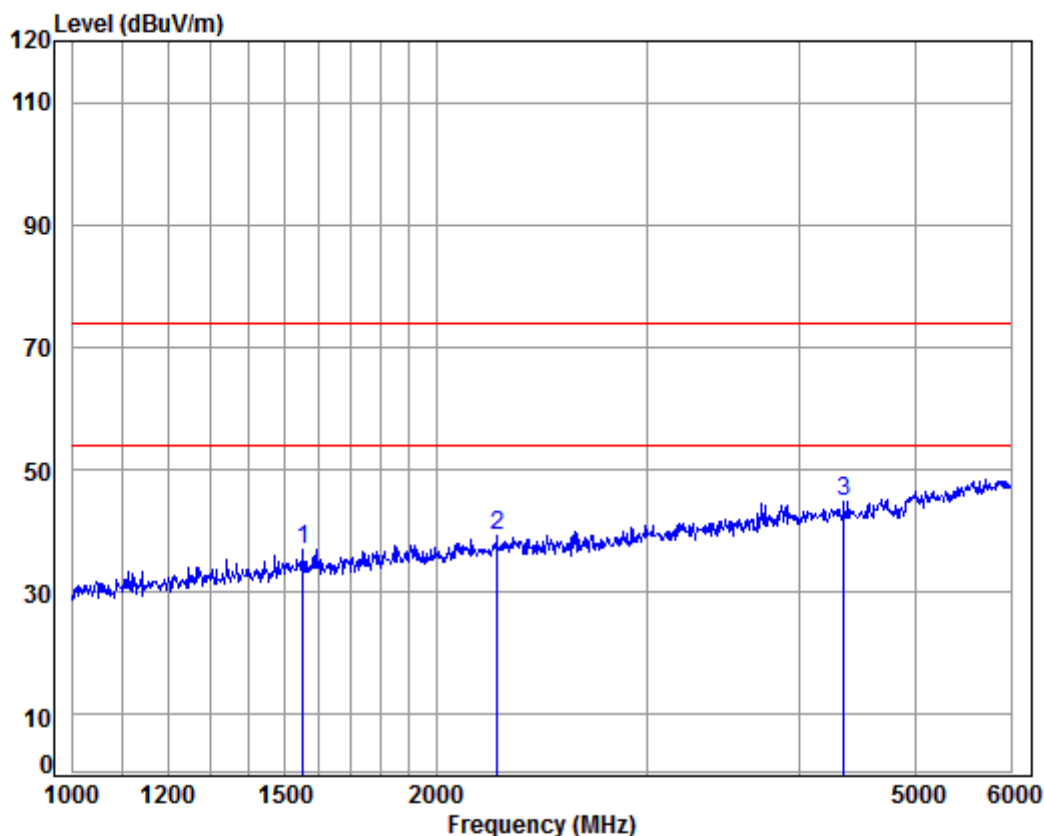
Condition: 3m HORIZONTAL

Job No: : 01760RG

Mode: : b

|      | 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    | 1783.786 | 4.80       | 27.00      | 38.02         | 41.89      | 35.67  | 74.00      | -38.33     | Peak   |
| 2    | 3210.528 | 6.09       | 31.70      | 37.92         | 42.47      | 42.34  | 74.00      | -31.66     | Peak   |
| 3 pp | 5706.411 | 8.46       | 34.53      | 38.36         | 42.56      | 47.19  | 74.00      | -26.81     | Peak   |

Mode:d; Polarization:Vertical



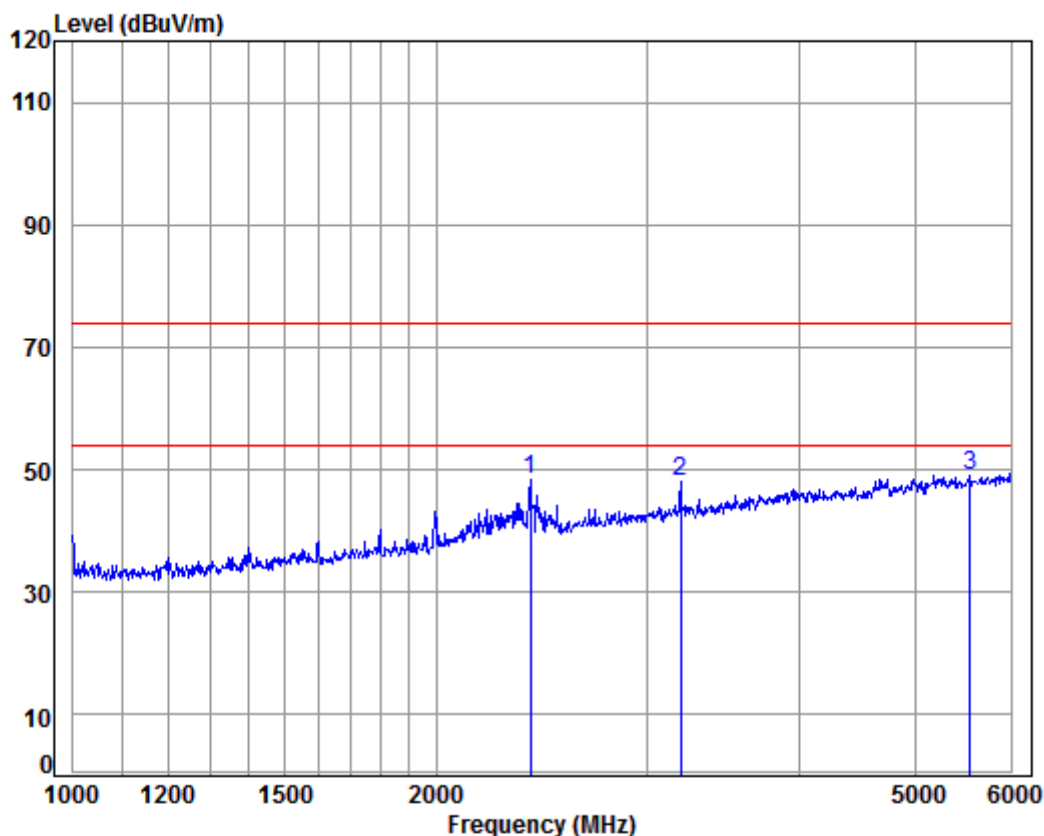
Condition: 3m Vertical

Job No: : 01760RG

Mode: : b

|   | 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 | 1551.126 | 4.53       | 26.03      | 38.04               | 44.41      | 36.93  | 74.00      | -37.07     | Peak   |
| 2 | 2247.628 | 5.22       | 28.64      | 37.98               | 43.44      | 39.32  | 74.00      | -34.68     | Peak   |
| 3 | 4361.545 | 7.13       | 33.60      | 38.18               | 42.39      | 44.94  | 74.00      | -29.06     | Peak   |

Mode:d; Polarization:Horizontal



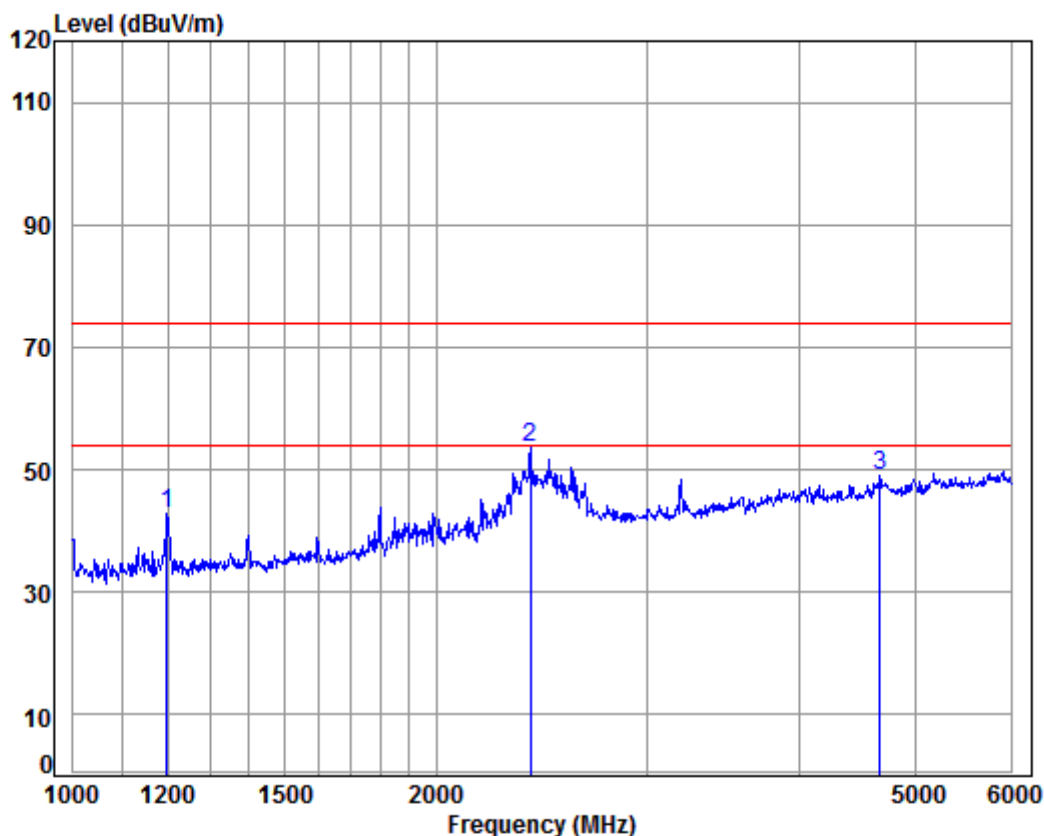
Condition: 3m Horizontal

Job No: : 01760RG

Mode: : d

|      | 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    | 2397.385 | 5.34       | 29.10      | 37.96         | 52.04      | 48.52  | 74.00      | -25.48     | Peak   |
| 2    | 3193.317 | 6.08       | 31.66      | 37.92         | 48.27      | 48.09  | 74.00      | -25.91     | Peak   |
| 3 pp | 5545.141 | 8.30       | 34.43      | 38.39         | 44.78      | 49.12  | 74.00      | -24.88     | Peak   |

Mode:d; Polarization:Vertical



Condition: 3m Vertical

Job No: : 01760RG

Mode: : d

|   | Freq        | Cable | Ant    | Preamp | Read  | Limit  | Over   |             |
|---|-------------|-------|--------|--------|-------|--------|--------|-------------|
|   |             | Loss  | Factor | Factor | Level | Level  | Limit  | Remark      |
|   | MHz         | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB          |
| 1 | 1196.231    | 4.07  | 24.46  | 38.08  | 52.51 | 42.96  | 74.00  | -31.04 Peak |
| 2 | pp 2397.385 | 5.34  | 29.10  | 37.96  | 57.17 | 53.65  | 74.00  | -20.35 Peak |
| 3 | 4668.852    | 7.53  | 33.91  | 38.33  | 46.08 | 49.19  | 74.00  | -24.81 Peak |