

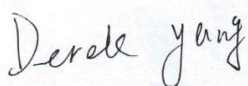
TEST REPORT

Application No.: ZR/2019/B0019
Applicant: OnePlus Technology (Shenzhen) Co., Ltd.
Address of Applicant: 18C02, 18C03, 18C04 and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen
Manufacturer: OnePlus Technology (Shenzhen) Co., Ltd.
Address of Manufacturer: 18C02, 18C03, 18C04 and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen
Factory: Jiangxi Risound Electronics Co.,Ltd.
Address of Factory No.271, Innovation Avenue, Jingtangshan Economic and Technological Development Zone, Ji'an City, Jiangxi Province.
EUT Name: OnePlus Bullets Wireless Z
Model No.: E303A
Trade mark: ONEPLUS
FCC ID: 2ABZ2-E303A
Standard(s) : 47 CFR Part 15, Subpart B
Date of Receipt: 2019/12/20
Date of Test: 2019/12/22 to 2019/12/31
Date of Issue: 2019/12/31

| | |
|---------------------|--------------|
| Test Result: | Pass* |
|---------------------|--------------|

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

Authorized Signature:



Derek Yang
 Wireless Laboratory Manager



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| Revision Record | | | | |
|------------------------|----------------|-------------|-----------------|---------------|
| Version | Chapter | Date | Modifier | Remark |
| 01 | | 2019/12/31 | | Original |
| | | | | |
| | | | | |

| | | | | |
|---------------------------------|--|------------------------------------|--|-------------|
| Authorized for issue by: | | | | |
| | | <i>Mike Hu</i> | | 2019/12/31 |
| | | (Mike Hu) /Project Engineer | | Date |
| | | <i>David Chen</i> | | 2019/12/31 |
| | | (David Chen) /Reviewer | | Date |



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2 Test Summary

| Emission Part | | | | |
|---|---------------------------|-----------------|-------------|--------|
| Item | Standard | Method | Requirement | Result |
| Conducted Emissions at Mains Terminals (150kHz-30MHz) | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class B | Pass |
| Radiated Emissions (30MHz-1GHz) | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class B | Pass |
| Radiated Emissions (above 1GHz) | 47 CFR Part 15, Subpart B | ANSI C63.4:2014 | Class B | Pass |

| Internal Source | Upper Frequency |
|--------------------|--|
| 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 Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|-------------|--------------|-----------|------------------|
| Laptop | Lenovo | T430u | REF. No.SEA1800 |
| Mouse | Lenovo | M-U0025-O | REF. No.:SEA2400 |
| Router | NETGEAR | DGN2200 | REF. No.SEA2200 |

4.2 Test modes

| | |
|---|--|
| Pretest these modes to find the worst case and show the worse data in the test items: | a: Adapter Charging b: Charging+PC c:Playing Music |
|---|--|

4.3 Measurement Uncertainty

| No. | Item | Measurement Uncertainty |
|-----|---------------------|---------------------------|
| 1 | Conduction Emission | ± 3.0dB (150kHz to 30MHz) |
| 2 | Radiated Emission | ± 4.5dB (30MHz-1GHz) |
| | | ± 4.8dB (1GHz-6GHz) |
| 3 | Temperature test | ± 1°C |
| 4 | Humidity test | ± 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



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5 Equipment List

| Conducted Emissions at Mains Terminals (150kHz-30MHz) | | | | | |
|---|-------------------|---------------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| Shielding Room | ChangZhou ZhongYu | 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 | 2019-07-12 | 2020-07-11 |
| LISN | Rohde & Schwarz | ENV216 | SEM007-01 | 2019-09-25 | 2020-09-24 |
| LISN | ETS-LINDGREN | 3816/2 | SEM007-02 | 2019-04-02 | 2020-04-01 |
| EMI Test Receiver | Rohde & Schwarz | ESCI | SEM004-02 | 2019-04-02 | 2020-04-01 |

| Radiated Emissions (30MHz-1GHz) | | | | | |
|--------------------------------------|----------------------|-----------------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| 10m Semi-Anechoic Chamber | SAEMC | FSAC1018 | SEM001-03 | 2019-03-31 | 2021-03-30 |
| Measurement Software | AUDIX | e3 V8.2014-6-27 | N/A | N/A | N/A |
| Coaxial Cable | SGS | N/A | SEM029-01 | 2019-07-12 | 2020-07-11 |
| EMI Test Receiver (9kHz-7GHz) | Rohde & Schwarz | ESR | SEM004-03 | 2019-04-02 | 2020-04-01 |
| Trilog-Broadband Antenna(30MHz-1GHz) | Schwarzbeck | VULB9168 | SEM003-18 | 2016-06-29 | 2020-06-28 |
| Pre-amplifier | Sonoma Instrument Co | 310N | SEM005-04 | 2019-04-13 | 2020-04-12 |

| Radiated Emissions (above 1GHz) | | | | | |
|---------------------------------|------------------------------------|-----------------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| 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 | 2019-07-12 | 2020-07-11 |
| EXA Spectrum Analyzer | AgilentTechnologies Inc | N9010A | SEM004-09 | 2019-04-13 | 2020-04-12 |
| Horn Antenna(1-18GHz) | Rohde & Schwarz | HF907 | SEM003-07 | 2019-04-13 | 2021-04-12 |
| Pre-Amplifier(0.1-26.5GHz) | Compliance Directions Systems Inc. | PAP-0126 | SEM004-11 | 2019-09-27 | 2020-09-26 |



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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 | 2019-09-27 | 2020-09-26 |
| Humidity/ Temperature Indicator | Shanghai Meteorological Industry Factory | ZJ1-2B | SEM002-04 | 2019-09-27 | 2020-09-26 |
| Humidity/ Temperature Indicator | Mingle | N/A | SEM002-08 | 2019-09-27 | 2020-09-26 |
| Barometer | Changchun Meteorological Industry Factory | DYM3 | SEM002-01 | 2019-04-08 | 2020-04-07 |



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6 Emission Test Results

6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

| | |
|-------------------|--|
| Test Requirement: | 47 CFR Part 15, Subpart B |
| Test Method: | ANSI C63.4:2014 |
| 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 |

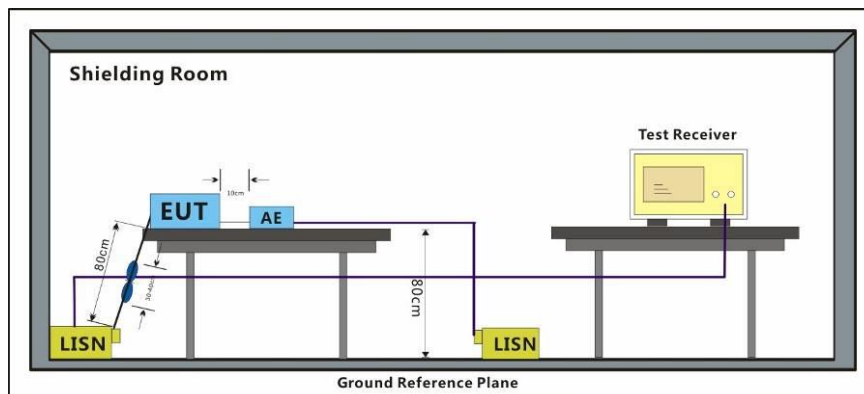
6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 20.3 °C Humidity: 58.1 % RH Atmospheric Pressure: 1005 mbar

The worst case for final test:
 a: Adapter Charging
 b: Charging+PC

6.1.2 Test Setup Diagram



6.1.3 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.

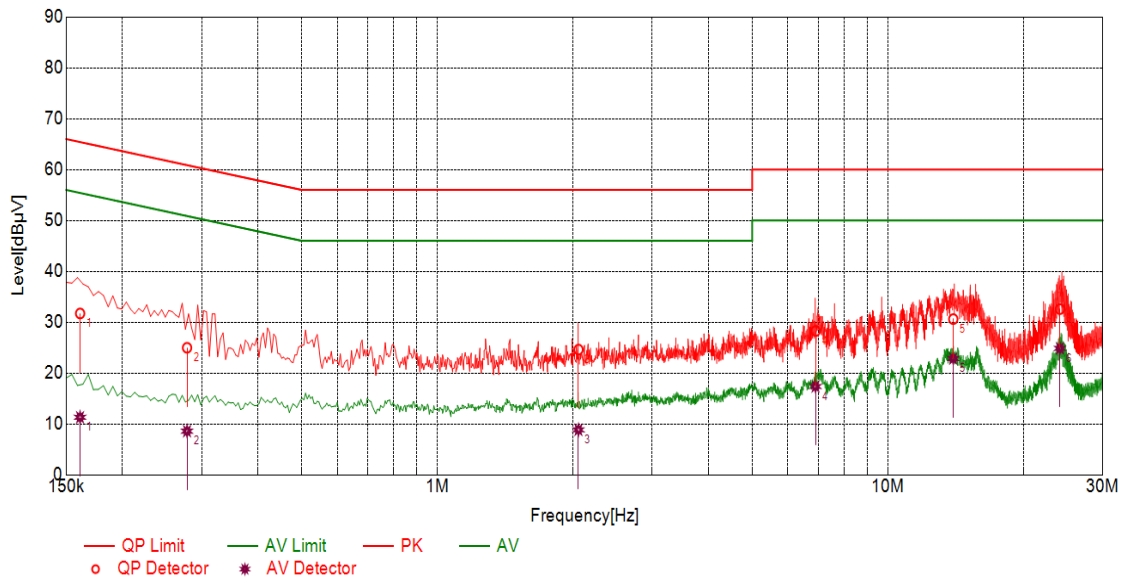


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 Shenzhen Branch

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Mode:a; Line:Live Line



| Final Data List | | | | | | | | | |
|-----------------|-------------|-------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|------|
| NO. | Freq. [MHz] | Factor [dB] | QP Value [dBµV] | QP Limit [dBµV] | QP Margin [dB] | AV Value [dBµV] | AV Limit [dBµV] | AV Margin [dB] | Type |
| 1 | 0.1611 | 10.10 | 31.72 | 65.41 | 33.69 | 11.31 | 55.41 | 44.10 | L |
| 2 | 0.2783 | 10.10 | 24.98 | 60.87 | 35.89 | 8.58 | 50.87 | 42.29 | L |
| 3 | 2.0574 | 10.10 | 24.62 | 56.00 | 31.38 | 8.84 | 46.00 | 37.16 | L |
| 4 | 6.9105 | 10.10 | 28.27 | 60.00 | 31.73 | 17.36 | 50.00 | 32.64 | L |
| 5 | 13.9680 | 10.11 | 30.61 | 60.00 | 29.39 | 22.86 | 50.00 | 27.14 | L |
| 6 | 24.0935 | 10.11 | 32.57 | 60.00 | 27.43 | 24.85 | 50.00 | 25.15 | L |

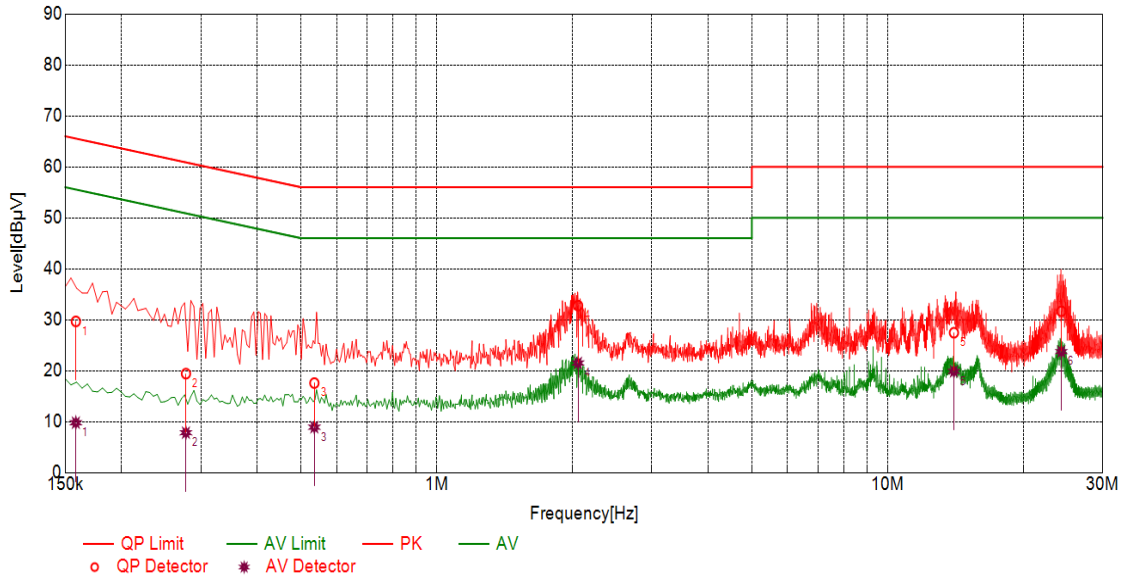


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Mode:a; Line:Neutral Line



| Final Data List | | | | | | | | | |
|-----------------|-------------|-------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|------|
| NO. | Freq. [MHz] | Factor [dB] | QP Value [dBµV] | QP Limit [dBµV] | QP Margin [dB] | AV Value [dBµV] | AV Limit [dBµV] | AV Margin [dB] | Type |
| 1 | 0.1584 | 10.10 | 29.67 | 65.55 | 35.88 | 9.79 | 55.55 | 45.76 | N |
| 2 | 0.2779 | 10.10 | 19.42 | 60.88 | 41.46 | 7.83 | 50.88 | 43.05 | N |
| 3 | 0.5354 | 10.10 | 17.57 | 56.00 | 38.43 | 8.91 | 46.00 | 37.09 | N |
| 4 | 2.0580 | 10.10 | 32.78 | 56.00 | 23.22 | 21.51 | 46.00 | 24.49 | N |
| 5 | 14.0305 | 10.11 | 27.45 | 60.00 | 32.55 | 19.87 | 50.00 | 30.13 | N |
| 6 | 24.2794 | 10.11 | 31.67 | 60.00 | 28.33 | 23.75 | 50.00 | 26.25 | N |

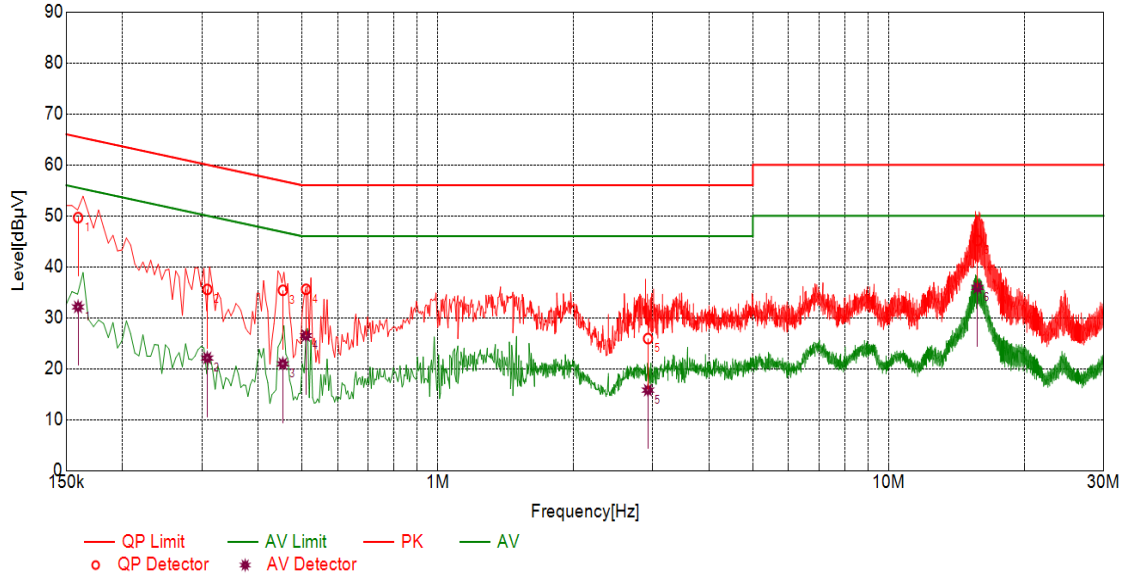


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Mode:b; Line:Live Line



| Final Data List | | | | | | | | | |
|-----------------|-------------|-------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|------|
| NO. | Freq. [MHz] | Factor [dB] | QP Value [dBµV] | QP Limit [dBµV] | QP Margin [dB] | AV Value [dBµV] | AV Limit [dBµV] | AV Margin [dB] | Type |
| 1 | 0.1594 | 10.10 | 49.65 | 65.49 | 15.84 | 32.12 | 55.49 | 23.37 | L |
| 2 | 0.3083 | 10.10 | 35.55 | 60.02 | 24.47 | 22.09 | 50.02 | 27.93 | L |
| 3 | 0.4535 | 10.10 | 35.38 | 56.81 | 21.43 | 20.95 | 46.81 | 25.86 | L |
| 4 | 0.5104 | 10.10 | 35.58 | 56.00 | 20.42 | 26.49 | 46.00 | 19.51 | L |
| 5 | 2.9266 | 10.10 | 25.92 | 56.00 | 30.08 | 15.79 | 46.00 | 30.21 | L |
| 6 | 15.7499 | 10.11 | 45.15 | 60.00 | 14.85 | 35.93 | 50.00 | 14.07 | L |

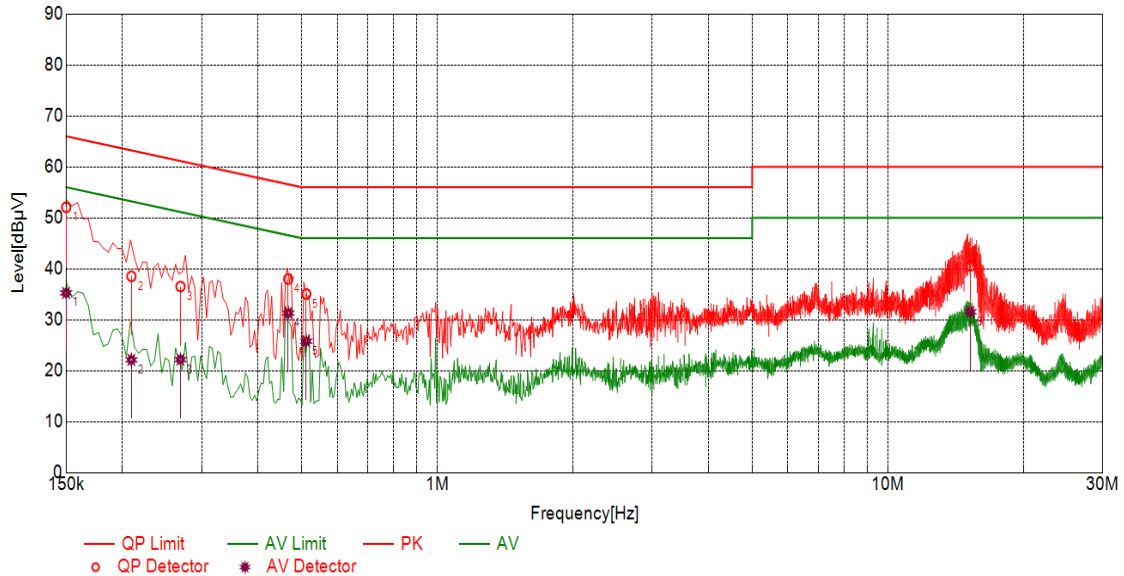


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 Shenzhen Branch

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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Mode:b; Line:Neutral Line



| Final Data List | | | | | | | | | |
|-----------------|-------------|-------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|------|
| NO. | Freq. [MHz] | Factor [dB] | QP Value [dBµV] | QP Limit [dBµV] | QP Margin [dB] | AV Value [dBµV] | AV Limit [dBµV] | AV Margin [dB] | Type |
| 1 | 0.1500 | 10.10 | 52.05 | 66.00 | 13.95 | 35.26 | 56.00 | 20.74 | N |
| 2 | 0.2094 | 10.10 | 38.52 | 63.23 | 24.71 | 22.13 | 53.23 | 31.10 | N |
| 3 | 0.2691 | 10.10 | 36.53 | 61.15 | 24.62 | 22.17 | 51.15 | 28.98 | N |
| 4 | 0.4668 | 10.10 | 37.99 | 56.57 | 18.58 | 31.32 | 46.57 | 15.25 | N |
| 5 | 0.5118 | 10.10 | 35.05 | 56.00 | 20.95 | 25.79 | 46.00 | 20.21 | N |
| 6 | 15.2541 | 10.11 | 40.54 | 60.00 | 19.46 | 31.56 | 50.00 | 18.44 | N |



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6.2 Radiated Emissions (30MHz-1GHz)

| | |
|-----------------------|---|
| Test Requirement: | 47 CFR Part 15, Subpart B |
| Test Method: | ANSI C63.4:2014 |
| Frequency Range: | 30MHz to 1GHz |
| Measurement Distance: | 3m |
| Limit: | |
| 30MHz -88MHz | 40.0(dB μ V/m) quasi-peak |
| 88MHz-216MHz | 43.5(dB μ V/m) quasi-peak |
| 216MHz-960MHz | 46.0(dB μ V/m) quasi-peak |
| 960MHz-1000MHz | 54.0(dB μ V/m) quasi-peak |
| Detector: | Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz |

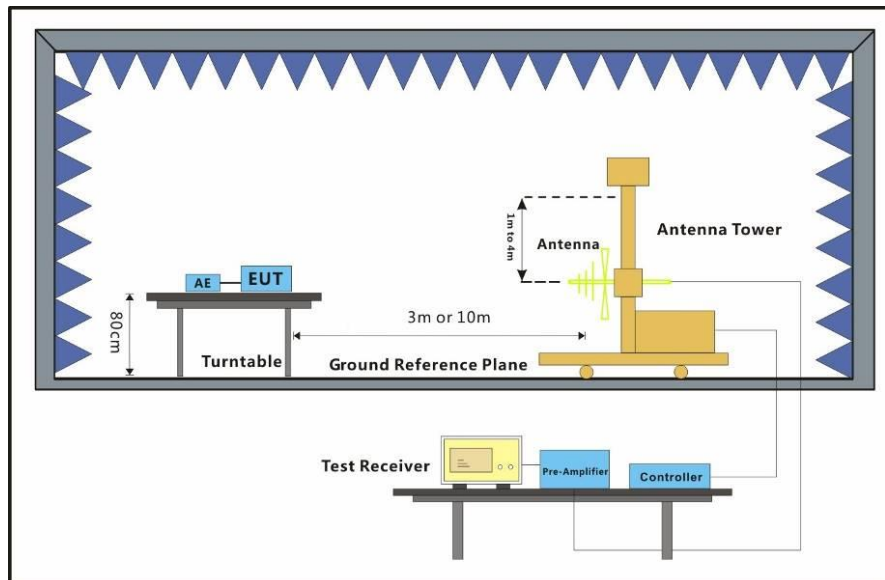
6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25.4 °C Humidity: 51 % RH Atmospheric Pressure: 1005 mbar

The worst case for final test:
a: PLAY MUSIC
b: Adapter Charging
c: PC Charging

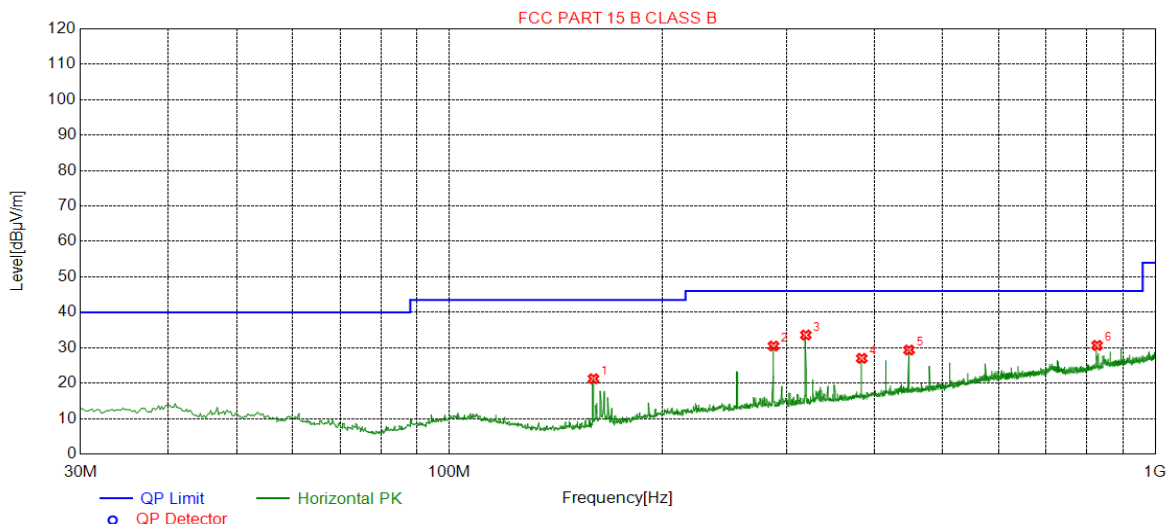
6.2.2 Test Setup Diagram



6.2.3 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:a; Polarization:Horizontal

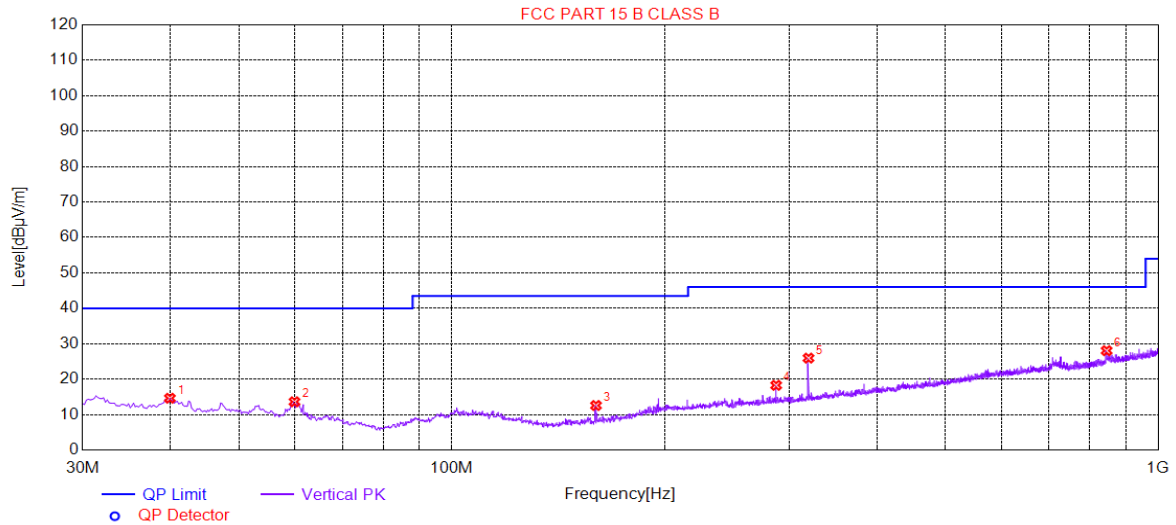


| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 160.0060 | 21.24 | -34.63 | 43.50 | 22.26 | 200 | 156 | Horizontal |
| 2 | 287.8776 | 30.47 | -28.72 | 46.00 | 15.53 | 100 | 219 | Horizontal |
| 3 | 319.8940 | 33.59 | -27.70 | 46.00 | 12.41 | 100 | 272 | Horizontal |
| 4 | 383.9268 | 27.00 | -25.95 | 46.00 | 19.00 | 100 | 234 | Horizontal |
| 5 | 447.9596 | 29.35 | -24.41 | 46.00 | 16.65 | 100 | 325 | Horizontal |
| 6 | 827.3055 | 30.66 | -17.29 | 46.00 | 15.34 | 100 | 40 | Horizontal |



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Mode:a; Polarization:Vertical

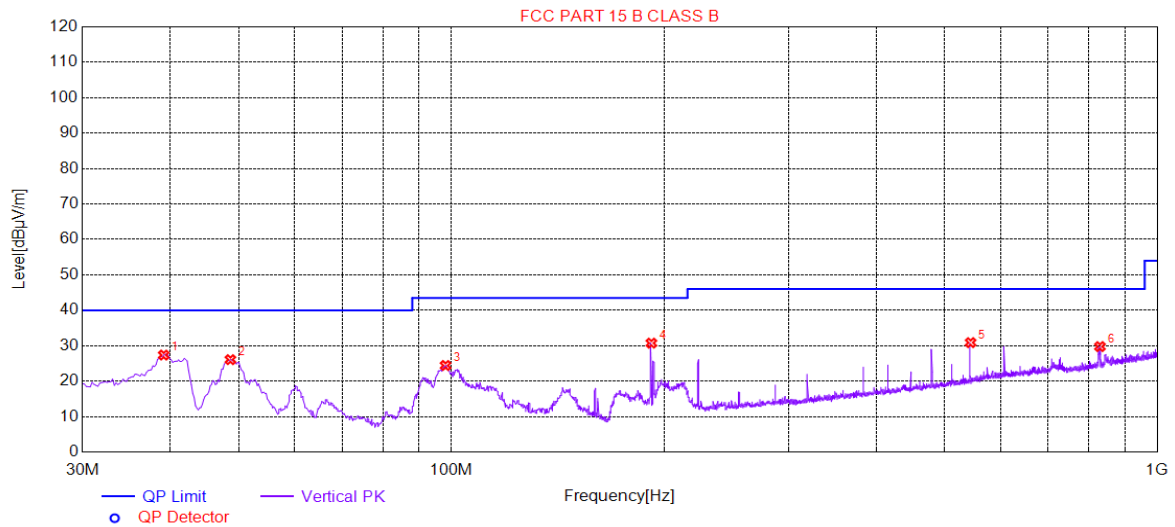


| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 39.8960 | 14.62 | -28.37 | 40.00 | 25.38 | 200 | 109 | Vertical |
| 2 | 59.8820 | 13.62 | -31.84 | 40.00 | 26.38 | 100 | 112 | Vertical |
| 3 | 160.0060 | 12.57 | -34.63 | 43.50 | 30.93 | 200 | 59 | Vertical |
| 4 | 287.8776 | 18.27 | -28.72 | 46.00 | 27.73 | 100 | 14 | Vertical |
| 5 | 319.8940 | 25.94 | -27.70 | 46.00 | 20.06 | 100 | 162 | Vertical |
| 6 | 845.3511 | 28.04 | -16.96 | 46.00 | 17.96 | 100 | 186 | Vertical |



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Mode:b; Polarization:Horizontal

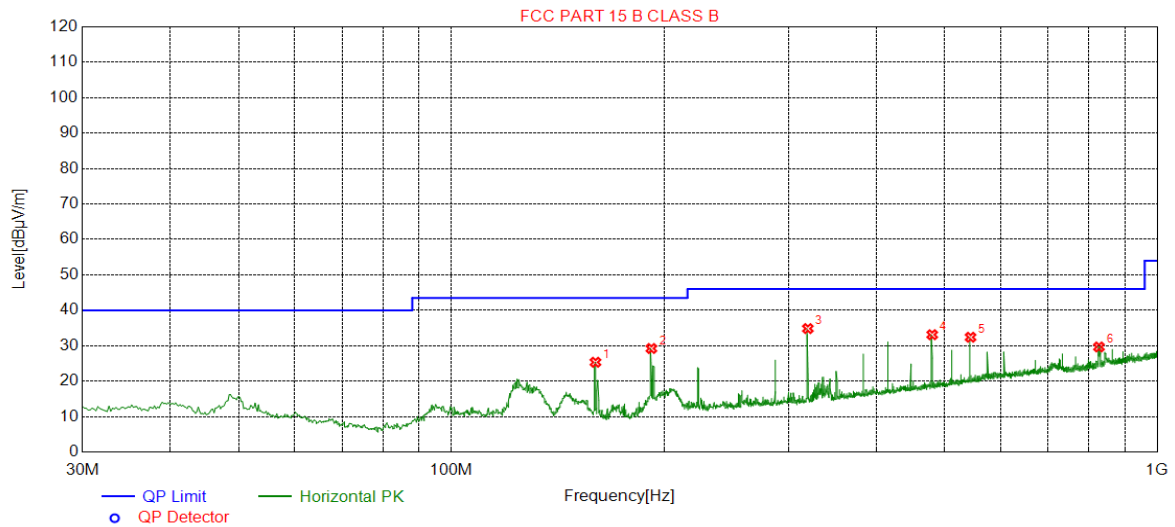


| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 39.1198 | 27.36 | -28.63 | 40.00 | 12.64 | 100 | 200 | Vertical |
| 2 | 48.6277 | 26.07 | -30.38 | 40.00 | 13.93 | 100 | 300 | Vertical |
| 3 | 98.1076 | 24.43 | -32.34 | 43.50 | 19.07 | 100 | 89 | Vertical |
| 4 | 192.0224 | 30.73 | -32.03 | 43.50 | 12.77 | 100 | 312 | Vertical |
| 5 | 544.0088 | 30.88 | -22.19 | 46.00 | 15.12 | 200 | 177 | Vertical |
| 6 | 829.6339 | 29.76 | -17.25 | 46.00 | 16.24 | 100 | 239 | Vertical |



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Mode:b; Polarization:Vertical



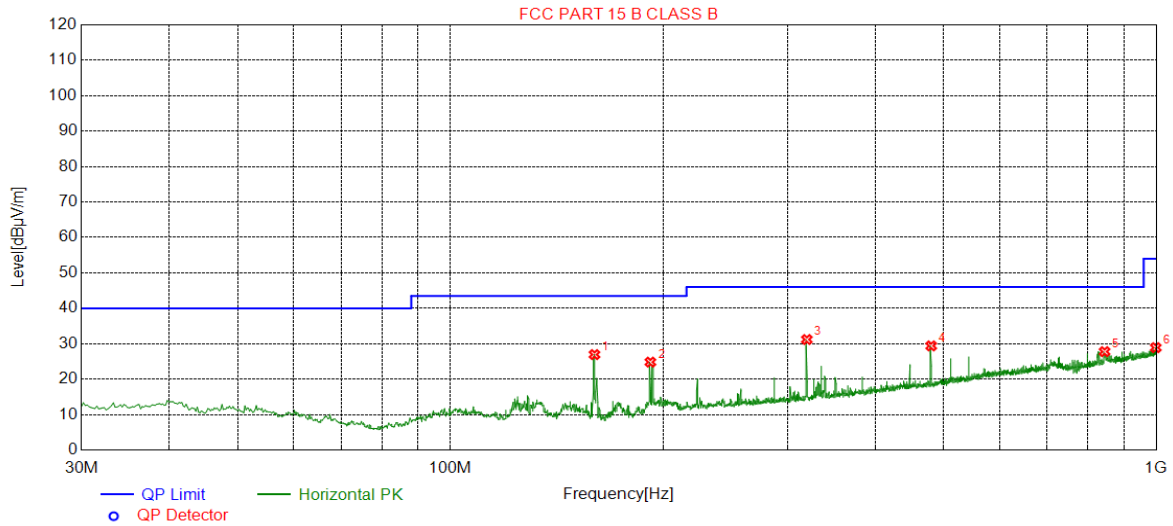
| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 160.0060 | 25.34 | -34.63 | 43.50 | 18.16 | 100 | 191 | Horizontal |
| 2 | 192.0224 | 29.22 | -32.03 | 43.50 | 14.28 | 100 | 78 | Horizontal |
| 3 | 319.8940 | 34.84 | -27.70 | 46.00 | 11.16 | 100 | 260 | Horizontal |
| 4 | 479.9760 | 33.11 | -23.82 | 46.00 | 12.89 | 200 | 260 | Horizontal |
| 5 | 544.0088 | 32.40 | -22.19 | 46.00 | 13.60 | 200 | 126 | Horizontal |
| 6 | 826.9174 | 29.65 | -17.30 | 46.00 | 16.35 | 200 | 266 | Horizontal |



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Mode:c; Polarization:Horizontal



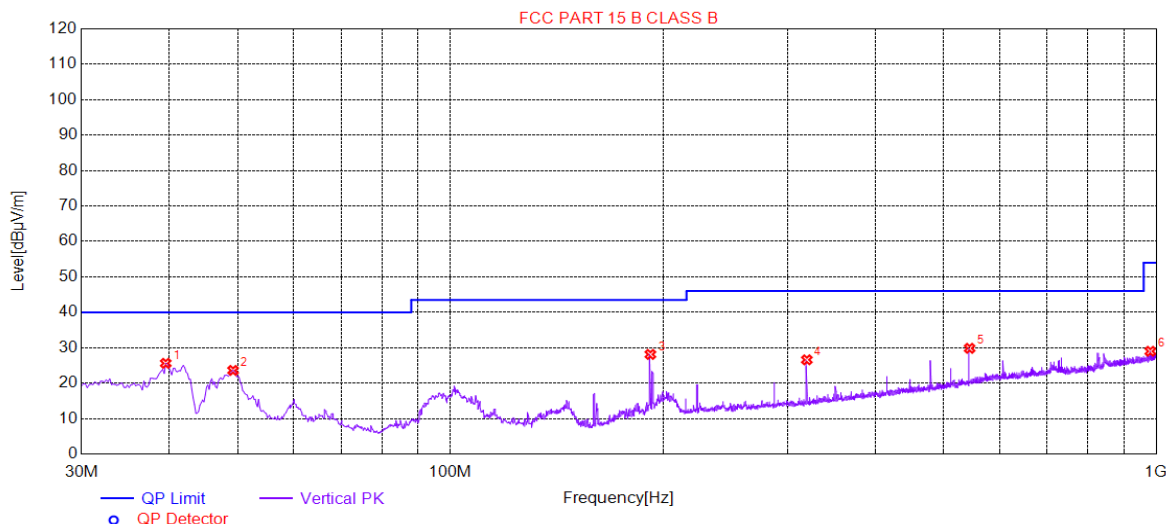
| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 160.0060 | 26.94 | -34.63 | 43.50 | 16.56 | 200 | 188 | Horizontal |
| 2 | 192.0224 | 24.81 | -32.03 | 43.50 | 18.69 | 100 | 214 | Horizontal |
| 3 | 319.8940 | 31.19 | -27.70 | 46.00 | 14.81 | 100 | 129 | Horizontal |
| 4 | 479.9760 | 29.39 | -23.82 | 46.00 | 16.61 | 100 | 254 | Horizontal |
| 5 | 844.9630 | 27.77 | -16.97 | 46.00 | 18.23 | 100 | 319 | Horizontal |
| 6 | 998.6417 | 28.89 | -14.81 | 54.00 | 25.11 | 100 | 94 | Horizontal |



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Mode:c; Polarization:Vertical



| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 39.5079 | 25.61 | -28.50 | 40.00 | 14.39 | 100 | 359 | Vertical |
| 2 | 49.2098 | 23.60 | -30.37 | 40.00 | 16.40 | 100 | 205 | Vertical |
| 3 | 192.0224 | 28.12 | -32.03 | 43.50 | 15.38 | 200 | 121 | Vertical |
| 4 | 319.8940 | 26.59 | -27.70 | 46.00 | 19.41 | 100 | 336 | Vertical |
| 5 | 544.0088 | 29.84 | -22.19 | 46.00 | 16.16 | 100 | 98 | Vertical |
| 6 | 980.9842 | 29.00 | -15.05 | 54.00 | 25.00 | 200 | 299 | Vertical |



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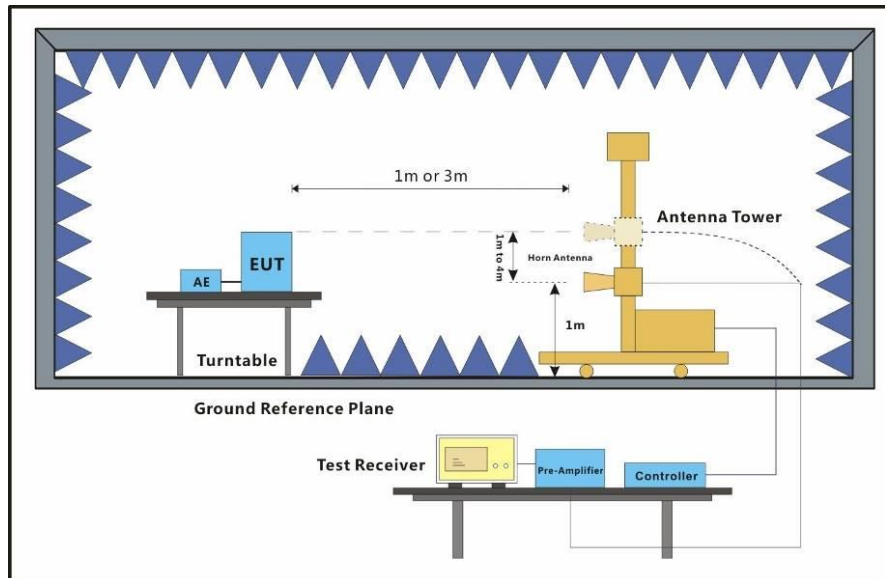
6.3 Radiated Emissions (above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B
 Test Method: ANSI C63.4:2014
 Frequency Range: Above 1GHz
 Measurement Distance: 3m
 Limit:
 Above 1GHz 74(dB μ V/m) peak, 54(dB μ V/m) average
 Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to18000MHz

6.3.1 E.U.T. Operation

Operating Environment:
 Temperature: 23.3 °C Humidity: 56.2 % RH Atmospheric Pressure: 1005 mbar
 The worst case for final test:
 a: Adapter Charging
 b: PC Charging
 c: PLAY MUSIC

6.3.2 Test Setup Diagram



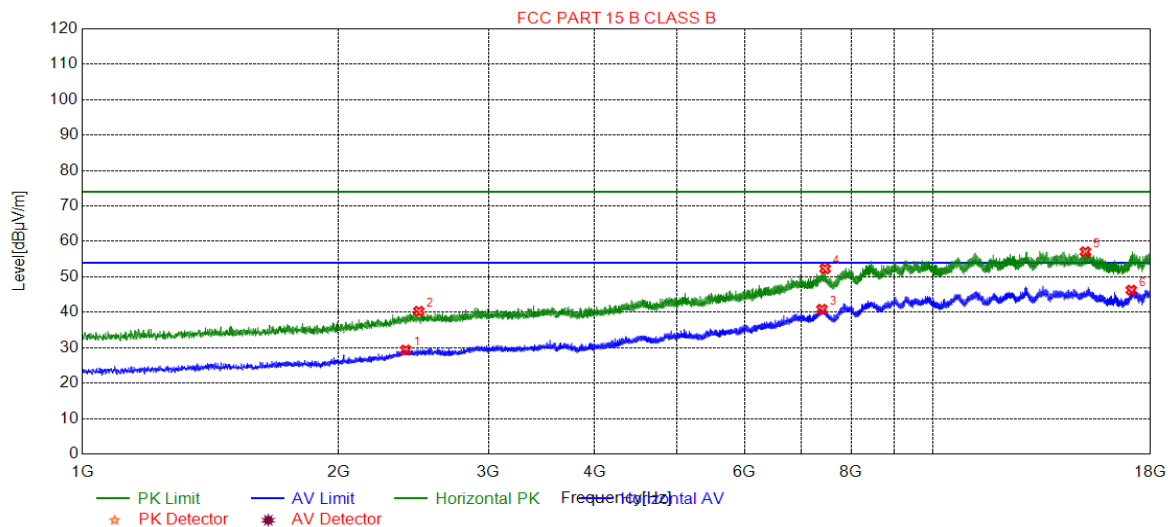
6.3.3 Measurement Data

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



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Mode:a; Polarization:Horizontal

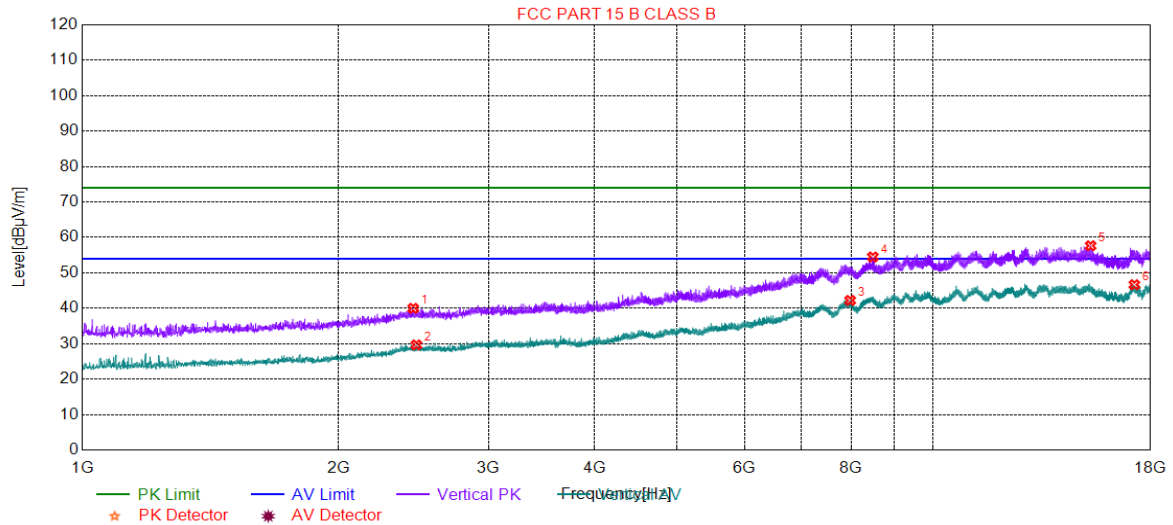


| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 2398.3199 | 29.36 | -24.57 | 54.00 | 24.64 | 100 | 69 | Horizontal |
| 2 | 2485.0243 | 40.31 | -24.45 | 74.00 | 33.69 | 100 | 119 | Horizontal |
| 3 | 7397.4199 | 40.85 | -6.76 | 54.00 | 13.15 | 200 | 191 | Horizontal |
| 4 | 7461.1731 | 52.31 | -6.94 | 74.00 | 21.69 | 200 | 292 | Horizontal |
| 5 | 15087.754 | 57.09 | 2.08 | 74.00 | 16.91 | 100 | 360 | Horizontal |
| 6 | 17083.654 | 46.26 | -0.28 | 54.00 | 7.74 | 200 | 241 | Horizontal |



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Mode:a; Polarization:Vertical

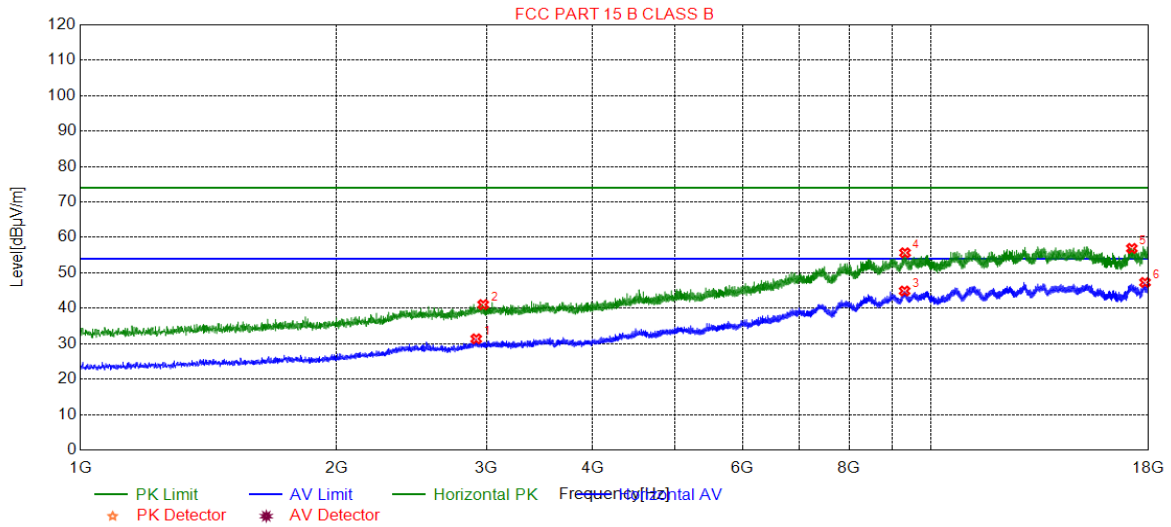


| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 2447.6224 | 39.99 | -24.49 | 74.00 | 34.01 | 200 | 342 | Vertical |
| 2 | 2468.8734 | 29.67 | -24.47 | 54.00 | 24.33 | 200 | 291 | Vertical |
| 3 | 7983.0992 | 42.23 | -5.25 | 54.00 | 11.77 | 200 | 0 | Vertical |
| 4 | 8488.8744 | 54.49 | -4.11 | 74.00 | 19.51 | 200 | 240 | Vertical |
| 5 | 15303.665 | 57.65 | 2.63 | 74.00 | 16.35 | 200 | 190 | Vertical |
| 6 | 17225.611 | 46.65 | -0.40 | 54.00 | 7.35 | 100 | 69 | Vertical |



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Mode:b; Polarization:Horizontal

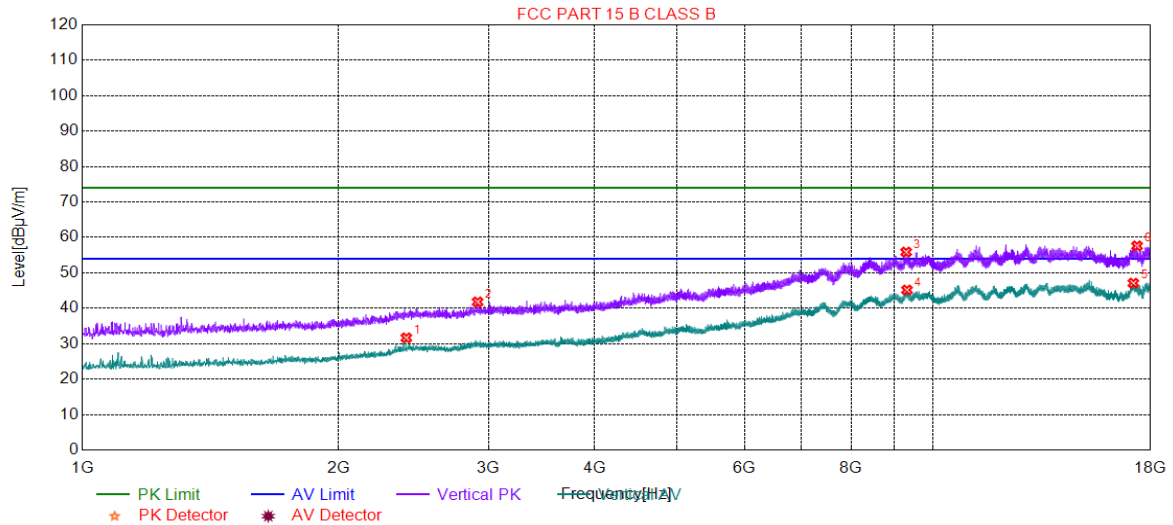


| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 2918.5459 | 31.38 | -22.83 | 54.00 | 22.62 | 100 | 69 | Horizontal |
| 2 | 2973.7987 | 41.04 | -22.87 | 74.00 | 32.96 | 100 | 360 | Horizontal |
| 3 | 9300.6650 | 44.88 | -1.46 | 54.00 | 9.12 | 200 | 139 | Horizontal |
| 4 | 9311.7156 | 55.66 | -1.54 | 74.00 | 18.34 | 200 | 0 | Horizontal |
| 5 | 17200.960 | 56.90 | -0.26 | 74.00 | 17.10 | 100 | 69 | Horizontal |
| 6 | 17827.441 | 47.29 | -0.54 | 54.00 | 6.71 | 200 | 38 | Horizontal |



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Mode:b; Polarization:Vertical



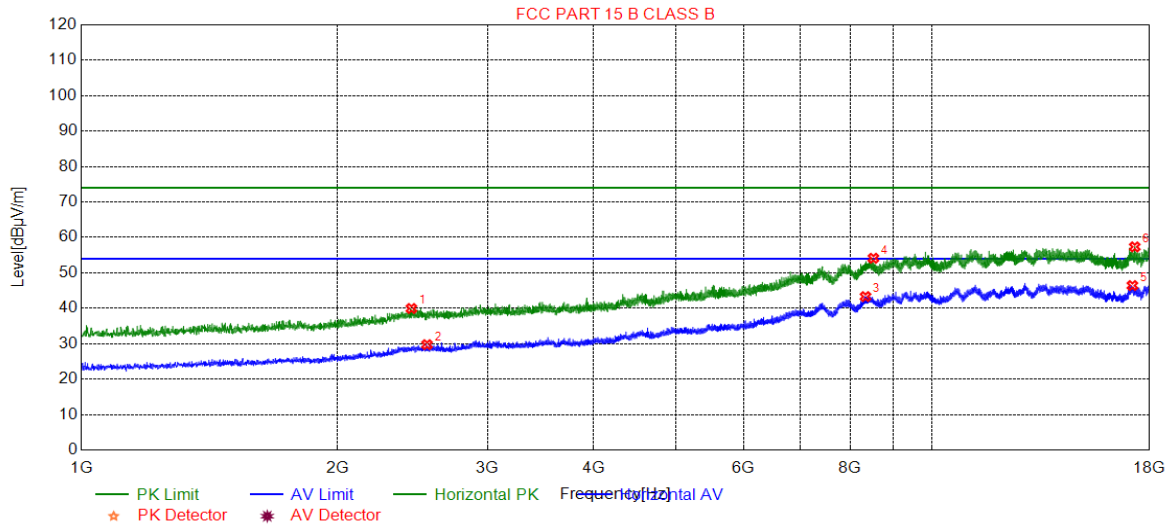
| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 2402.5701 | 31.66 | -24.55 | 54.00 | 22.34 | 200 | 0 | Vertical |
| 2 | 2913.4457 | 41.80 | -22.83 | 74.00 | 32.20 | 200 | 190 | Vertical |
| 3 | 9289.6145 | 55.86 | -1.56 | 74.00 | 18.14 | 200 | 291 | Vertical |
| 4 | 9310.8655 | 45.16 | -1.53 | 54.00 | 8.84 | 100 | 119 | Vertical |
| 5 | 17178.008 | 47.09 | -0.25 | 54.00 | 6.91 | 200 | 291 | Vertical |
| 6 | 17351.417 | 57.60 | -0.80 | 74.00 | 16.40 | 200 | 291 | Vertical |



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Mode:c; Polarization:Horizontal

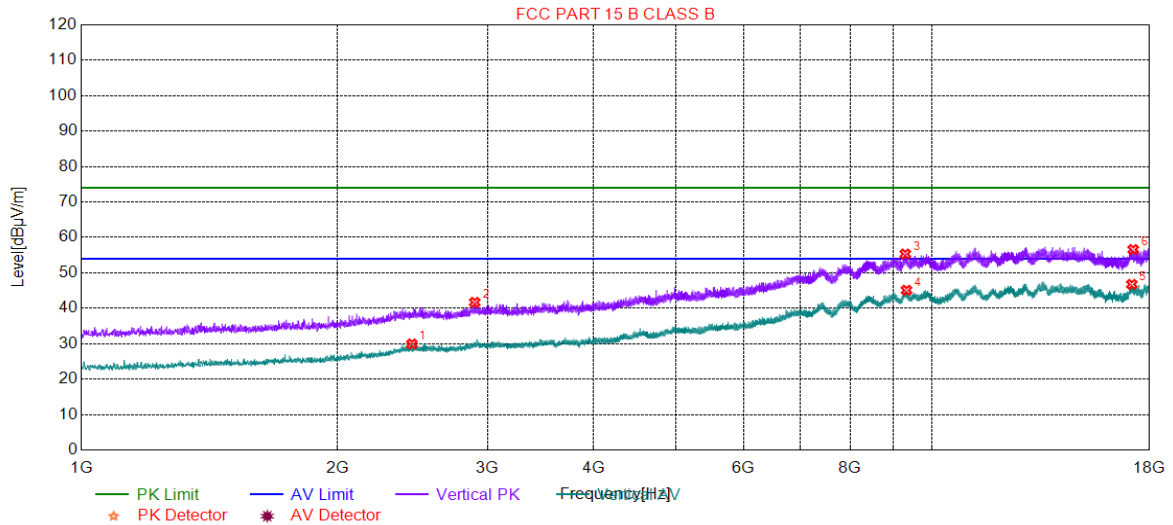


| Suspected List | | | | | | | | |
|----------------|-------------|----------------|-------------|----------------|-------------|-------------|-----------|------------|
| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 2442.5221 | 39.95 | -24.50 | 74.00 | 34.05 | 200 | 271 | Horizontal |
| 2 | 2547.9274 | 29.74 | -24.22 | 54.00 | 24.26 | 200 | 170 | Horizontal |
| 3 | 8344.3672 | 43.30 | -4.64 | 54.00 | 10.70 | 200 | 221 | Horizontal |
| 4 | 8524.5762 | 54.13 | -4.10 | 74.00 | 19.87 | 100 | 342 | Horizontal |
| 5 | 17180.5590 | 46.42 | -0.25 | 54.00 | 7.58 | 200 | 170 | Horizontal |
| 6 | 17291.0646 | 57.34 | -0.80 | 74.00 | 16.66 | 200 | 360 | Horizontal |



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Mode:c; Polarization:Vertical



Suspected List

| NO. | Freq. [MHz] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
|-----|-------------|----------------|-------------|----------------|-------------|-------------|-----------|----------|
| 1 | 2445.9223 | 29.94 | -24.49 | 54.00 | 24.06 | 100 | 140 | Vertical |
| 2 | 2898.9950 | 41.67 | -22.83 | 74.00 | 32.33 | 200 | 360 | Vertical |
| 3 | 9293.0147 | 55.32 | -1.53 | 74.00 | 18.68 | 100 | 0 | Vertical |
| 4 | 9323.6162 | 45.10 | -1.63 | 54.00 | 8.90 | 200 | 270 | Vertical |
| 5 | 17154.2077 | 46.75 | -0.24 | 54.00 | 7.25 | 200 | 18 | Vertical |
| 6 | 17219.6610 | 56.58 | -0.37 | 74.00 | 17.42 | 100 | 190 | Vertical |



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