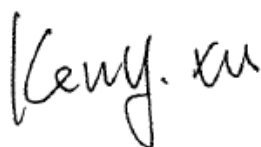


TEST REPORT

Application No.: SZEM1904013032CR(HR/2019/40012)
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
Equipment Under Test (EUT):
EUT Name: Smart Phone
Model No.: VOG-L29m / VOG-L09m
FCC ID: QISVOG-LX9M
Trade mark: HUAWEI
Standard(s) : 47 CFR Part 15, Subpart B
Date of Receipt: 2019-04-19
Date of Test: 2019-04-26 to 2019-04-28
Date of Issue: 2019-04-29

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



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



Keny Xu
 EMC Laboratory Manager



| <i>Revision Record</i> | | | | |
|------------------------|----------------|-------------|-----------------|---------------|
| <i>Version</i> | <i>Chapter</i> | <i>Date</i> | <i>Modifier</i> | <i>Remark</i> |
| 01 | | 2019-04-29 | | Original |
| | | | | |
| | | | | |

| | | | |
|---------------------------------|--|---|--|
| Authorized for issue by: | | | |
| | |  | |
| | | <hr/> Damon Su /Project Engineer | |
| | |  | |
| | | <hr/> Eric Fu /Reviewer | |



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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 |

Remark: The difference between VOG-L29m and VOG-L09m is that VOG-L09m deletes into single SIM card by software. Other parts of the two model are the same.



3 Contents

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4 General Information

4.1 Details of E.U.T.

| | |
|---------------|--|
| Power supply: | DC 3.82V from internal rechargeable battery or from AC/DC adapter Model: HW-100400U00, HW-100400E00, HW-100400B00, HW-100400A00 |
| Cable: | USB cable: 100cm shielded Earphone cable: 115cm unshielded |

| Adapter no. | Model no. | Trademark/Manufacture |
|-------------|--------------|------------------------------|
| 1 | HW-100400U00 | HuaweiTechnologies Co., Ltd. |
| 2 | HW-100400E00 | HuaweiTechnologies Co., Ltd. |
| 3 | HW-100400B00 | HuaweiTechnologies Co., Ltd. |
| 4 | HW-100400A00 | HuaweiTechnologies Co., Ltd. |

| Earphone no. | Model no. | Manufacturer |
|--------------|-----------------------|---|
| 1 | MEND1632B729000 | Jiangxi Lianchuang Hongsheng Electronic Co., LTD. |
| 2 | Windy-C | GoerTek Inc. |
| 3 | 1331-3301-6001-TC-296 | Boluo County Quancheng Electronic Co., Ltd. |
| 4 | 618017 | Foster Electric Co.,(GuangZhou)LTD.Sales Dep. |

| USB cable no. | Model no. | Manufacturer |
|---------------|---------------|---|
| 1 | 330-50465 | HUIZHOU DEHONG TECHNOLOGY CO., LTD. |
| 2 | L99UC117-CS-H | LUXSHARE Precision Industry Co., Ltd. |
| 3 | WA0009 | NingBo Broad Telecommunication Co.,Ltd. |

| Battery no. | Model no. | Manufacturer |
|-------------|-------------------------------|------------------------------------|
| 1 | Battery Model: HB486486ECW | HuaweiTechnologies Co.,Ltd.(DESAY) |
| 2 | Rated capacity:4100mAh | HuaweiTechnologies Co.,Ltd.(SCUD) |



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4.2 Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|-------------|--------------|-----------|------------------|
| Laptop | ASUS | A556U | FBN0CV921312487 |
| Mouse | Lenovo | M-U0025-O | REF. No.:SEA2400 |
| Router | NETGEAR | DGN2200 | REF. No.SEA2200 |

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 | 2018-07-12 | 2019-07-11 |
| LISN | Rohde & Schwarz | ENV216 | SEM007-01 | 2018-09-25 | 2019-09-24 |
| LISN | ETS-LINDGREN | 3816/2 | SEM007-02 | 2019-04-01 | 2020-03-31 |
| EMI Test Receiver | Rohde & Schwarz | ESCI | SEM004-02 | 2019-04-01 | 2020-03-31 |

| Radiated Emissions (30MHz-1GHz) | | | | | |
|---------------------------------|----------------------|-----------------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| 3m Semi-Anechoic Chamber | ETS-LINDGREN | N/A | SEM001-01 | 2017-08-05 | 2020-08-04 |
| Measurement Software | AUDIX | e3 V8.2014-6-27 | N/A | N/A | N/A |
| Coaxial Cable | SGS | N/A | SEM025-01 | 2018-07-12 | 2019-07-11 |
| EMI Test Receiver | Agilent Technologies | N9038A | SEM004-05 | 2018-09-25 | 2019-09-24 |
| BiConiLog Antenna (26-3000MHz) | ETS-LINDGREN | 3142C | SEM003-01 | 2017-06-27 | 2020-06-26 |
| Pre-amplifier (0.1-1300MHz) | Agilent Technologies | 8447D | SEM005-01 | 2019-04-01 | 2020-03-31 |

| 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 | 2018-07-12 | 2019-07-11 |
| EXA Spectrum Analyzer | Agilent Technologies Inc | N9010A | SEM004-12 | 2019-04-12 | 2020-04-11 |
| Horn Antenna (1-18GHz) | Rohde & Schwarz | HF907 | SEM003-07 | 2018-04-13 | 2021-04-12 |
| Pre-Amplifier (0.1-26.5GHz) | Compliance Directions Systems Inc. | PAP-0126 | SEM004-11 | 2018-11-12 | 2019-11-11 |



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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 | 2018-09-27 | 2019-09-26 |
| Humidity/ Temperature Indicator | Shanghai Meteorological Industry Factory | ZJ1-2B | SEM002-04 | 2018-09-27 | 2019-09-26 |
| Humidity/ Temperature Indicator | Mingle | N/A | SEM002-08 | 2018-09-27 | 2019-09-26 |
| Barometer | Changchun Meteorological Industry Factory | DYM3 | SEM002-01 | 2019-04-04 | 2020-04-03 |



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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 |



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6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 21.5 °C Humidity: 55 % RH Atmospheric Pressure: 1015 mbar

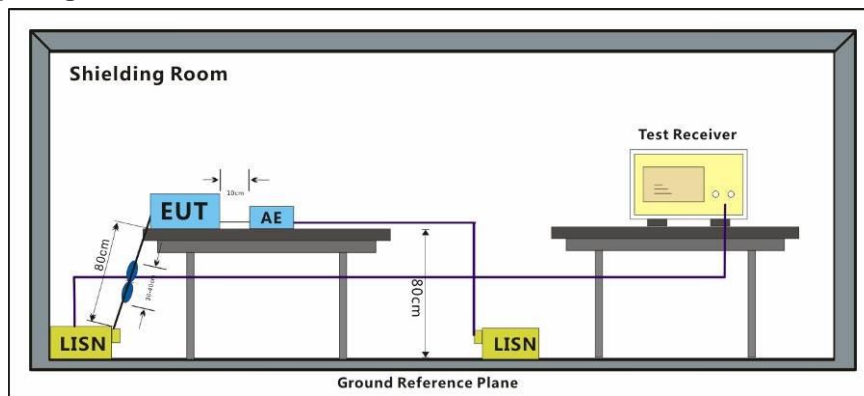
Pretest these modes to find the worst case:

- a: Transfer data between the EUT1 and the PC+USB cable1
- c: Transfer data between the EUT(worst) and the PC+USB cable3
- d: Telecom Idle+BT+WLAN+NFC+GPS Rx +playing MP4 (SD card) +battery1+adapter1
- e: Telecom Idle+BT+WLAN+NFC+GPS Rx +camera (Front) +battery2+adapter2
- f: Telecom Idle+BT+WLAN+NFC+GPS Rx +camera (Back) +battery(worst)+adapter3
- g: GSM 850+BT+WLAN+NFC+GPS Rx +battery(worst)+adapter4

The worst case for final test:

- a: Transfer data between the EUT1 and the PC+USB cable1
- c: Transfer data between the EUT1 and the PC+USB cable3
- d: Telecom Idle+BT+WLAN+NFC+GPS Rx +playing MP4 (SD card) +battery1+adapter1
- e: Telecom Idle+BT+WLAN+NFC+GPS Rx +camera (Front) +battery2+adapter2
- f: Telecom Idle+BT+WLAN+NFC+GPS Rx +camera (Back) +battery2+adapter3
- g: GSM 850+BT+WLAN+NFC+GPS Rx +battery2+adapter4

6.1.2 Test Setup Diagram



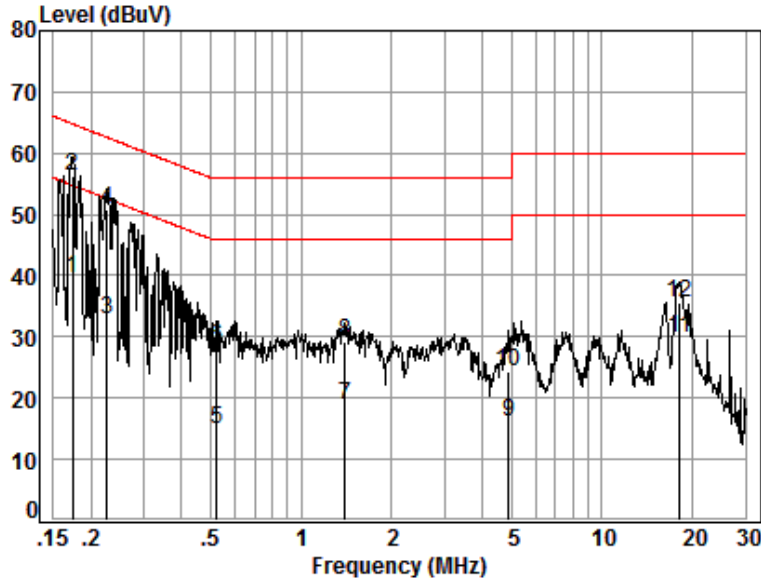
6.1.3 Measurement Data

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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Mode:a; Line:Live Line



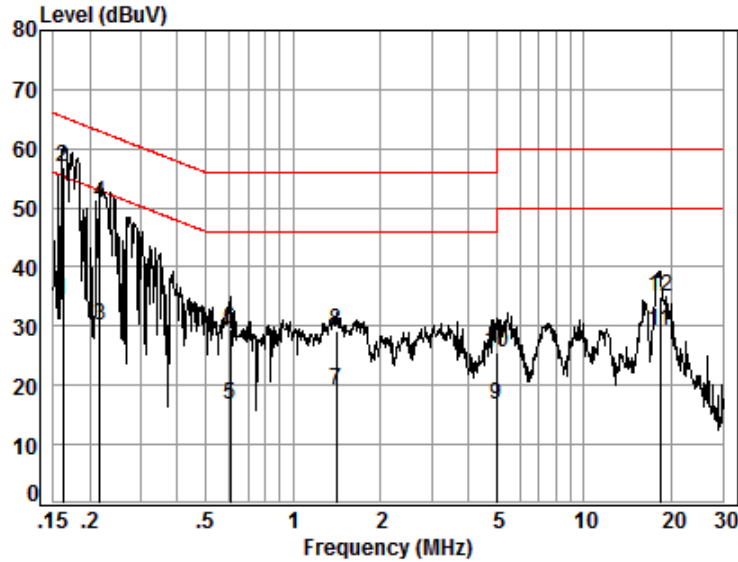
Site : Shielding Room
 Condition: Line
 Job No. : 13032CR
 Test mode: a

| | Freq | Cable Loss | LISN Factor | Read Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|------------|------------|----------------|
| | MHz | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.17 | 0.02 | 9.66 | 29.97 | 39.65 | 54.77 | -15.12 Average |
| 2 | 0.17 | 0.02 | 9.66 | 46.61 | 56.29 | 64.77 | -8.48 QP |
| 3 | 0.23 | 0.03 | 9.67 | 23.20 | 32.90 | 52.61 | -19.71 Average |
| 4 | 0.23 | 0.03 | 9.67 | 40.96 | 50.66 | 62.61 | -11.95 QP |
| 5 | 0.52 | 0.06 | 9.67 | 5.08 | 14.81 | 46.00 | -31.19 Average |
| 6 | 0.52 | 0.06 | 9.67 | 18.70 | 28.43 | 56.00 | -27.57 QP |
| 7 | 1.40 | 0.12 | 9.73 | 8.90 | 18.75 | 46.00 | -27.25 Average |
| 8 | 1.40 | 0.12 | 9.73 | 19.42 | 29.27 | 56.00 | -26.73 QP |
| 9 | 4.90 | 0.17 | 9.74 | 6.17 | 16.08 | 46.00 | -29.92 Average |
| 10 | 4.90 | 0.17 | 9.74 | 14.37 | 24.28 | 56.00 | -31.72 QP |
| 11 | 18.14 | 0.23 | 10.16 | 19.57 | 29.96 | 50.00 | -20.04 Average |
| 12 | 18.14 | 0.23 | 10.16 | 25.06 | 35.45 | 60.00 | -24.55 QP |



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Mode:a; Line:Neutral Line



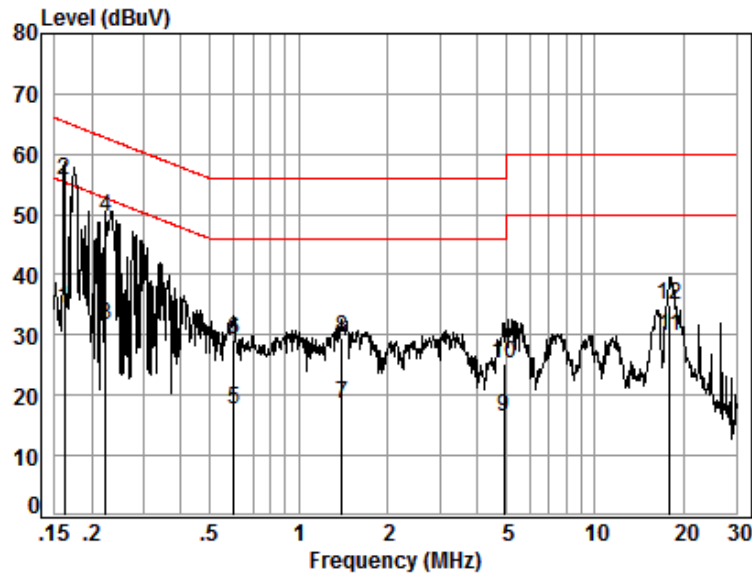
Site : Shielding Room
 Condition: Neutral
 Job No. : 13032CR
 Test mode: a

| | Freq | Cable Loss | LISN Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|-------------|------------|------------|---------|
| | MHz | dB | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.16 | 0.01 | 9.64 | 24.76 | 34.41 | 55.38 | -20.97 | Average |
| 2 | 0.16 | 0.01 | 9.64 | 47.25 | 56.90 | 65.38 | -8.48 | QP |
| 3 | 0.22 | 0.03 | 9.64 | 20.32 | 29.99 | 52.92 | -22.93 | Average |
| 4 | 0.22 | 0.03 | 9.64 | 41.27 | 50.94 | 62.92 | -11.98 | QP |
| 5 | 0.61 | 0.07 | 9.64 | 7.16 | 16.87 | 46.00 | -29.13 | Average |
| 6 | 0.61 | 0.07 | 9.64 | 19.66 | 29.37 | 56.00 | -26.63 | QP |
| 7 | 1.41 | 0.12 | 9.70 | 9.24 | 19.06 | 46.00 | -26.94 | Average |
| 8 | 1.41 | 0.12 | 9.70 | 19.27 | 29.09 | 56.00 | -26.91 | QP |
| 9 | 5.00 | 0.17 | 9.71 | 6.91 | 16.79 | 50.00 | -33.21 | Average |
| 10 | 5.00 | 0.17 | 9.71 | 15.54 | 25.42 | 60.00 | -34.58 | QP |
| 11 | 18.23 | 0.23 | 10.19 | 18.73 | 29.15 | 50.00 | -20.85 | Average |
| 12 | 18.23 | 0.23 | 10.19 | 24.51 | 34.93 | 60.00 | -25.07 | QP |



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Mode:c; Line:Live Line



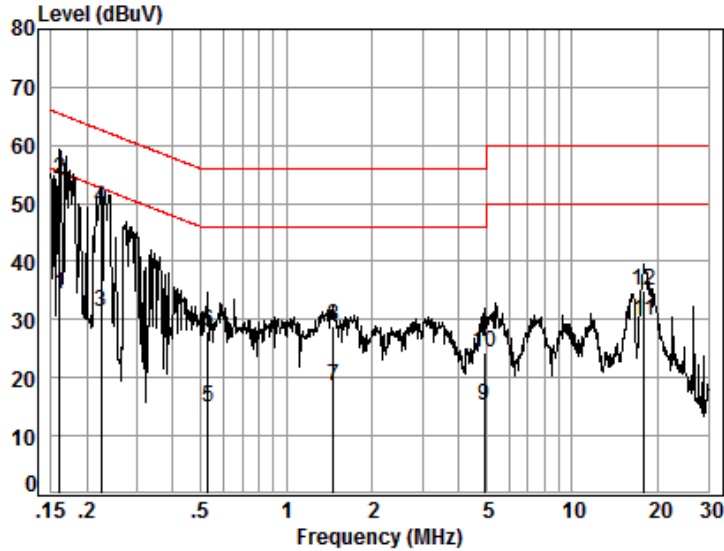
Site : Shielding Room
 Condition: Line
 Job No. : 13032CR
 Test mode: c

| | Freq | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dB | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.16 | 0.01 | 9.66 | 24.85 | 34.52 | 55.38 | -20.86 | Average |
| 2 | 0.16 | 0.01 | 9.66 | 46.06 | 55.73 | 65.38 | -9.65 | QP |
| 3 | 0.22 | 0.03 | 9.66 | 21.91 | 31.60 | 52.70 | -21.10 | Average |
| 4 | 0.22 | 0.03 | 9.66 | 39.93 | 49.62 | 62.70 | -13.08 | QP |
| 5 | 0.60 | 0.07 | 9.67 | 8.02 | 17.76 | 46.00 | -28.24 | Average |
| 6 | 0.60 | 0.07 | 9.67 | 19.48 | 29.22 | 56.00 | -26.78 | QP |
| 7 | 1.40 | 0.12 | 9.73 | 8.73 | 18.58 | 46.00 | -27.42 | Average |
| 8 | 1.40 | 0.12 | 9.73 | 19.58 | 29.43 | 56.00 | -26.57 | QP |
| 9 | 4.93 | 0.17 | 9.74 | 6.38 | 16.29 | 46.00 | -29.71 | Average |
| 10 | 4.93 | 0.17 | 9.74 | 15.30 | 25.21 | 56.00 | -30.79 | QP |
| 11 | 17.85 | 0.23 | 10.17 | 19.46 | 29.86 | 50.00 | -20.14 | Average |
| 12 | 17.85 | 0.23 | 10.17 | 24.66 | 35.06 | 60.00 | -24.94 | QP |



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Mode:c; Line:Neutral Line



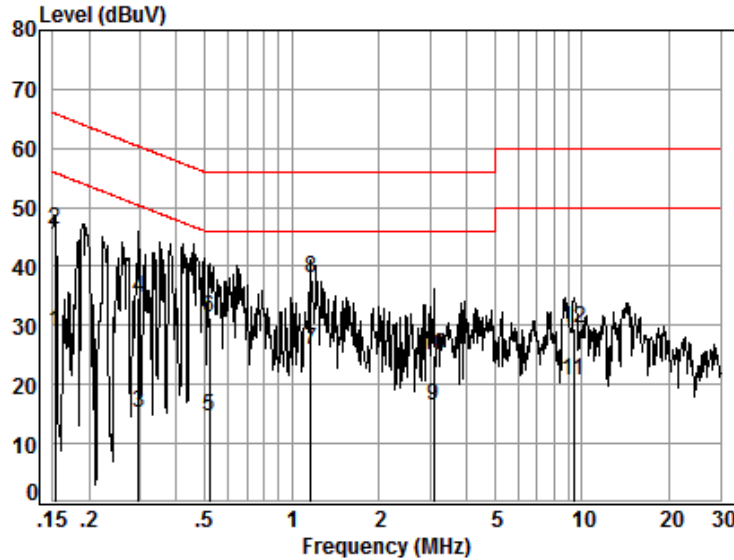
Site : Shielding Room
 Condition: Neutral
 Job No. : 13032CR
 Test mode: c

| | Freq | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dB | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.16 | 0.01 | 9.64 | 24.66 | 34.31 | 55.43 | -21.12 | Average |
| 2 | 0.16 | 0.01 | 9.64 | 44.62 | 54.27 | 65.43 | -11.16 | QP |
| 3 | 0.22 | 0.03 | 9.64 | 21.59 | 31.26 | 52.66 | -21.40 | Average |
| 4 | 0.22 | 0.03 | 9.64 | 39.59 | 49.26 | 62.66 | -13.40 | QP |
| 5 | 0.53 | 0.06 | 9.64 | 5.16 | 14.86 | 46.00 | -31.14 | Average |
| 6 | 0.53 | 0.06 | 9.64 | 18.33 | 28.03 | 56.00 | -27.97 | QP |
| 7 | 1.46 | 0.13 | 9.70 | 8.87 | 18.70 | 46.00 | -27.30 | Average |
| 8 | 1.46 | 0.13 | 9.70 | 19.11 | 28.94 | 56.00 | -27.06 | QP |
| 9 | 4.93 | 0.17 | 9.71 | 5.30 | 15.18 | 46.00 | -30.82 | Average |
| 10 | 4.93 | 0.17 | 9.71 | 14.47 | 24.35 | 56.00 | -31.65 | QP |
| 11 | 17.94 | 0.23 | 10.21 | 19.35 | 29.79 | 50.00 | -20.21 | Average |
| 12 | 17.94 | 0.23 | 10.21 | 24.62 | 35.06 | 60.00 | -24.94 | QP |



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Mode:d; Line:Live Line



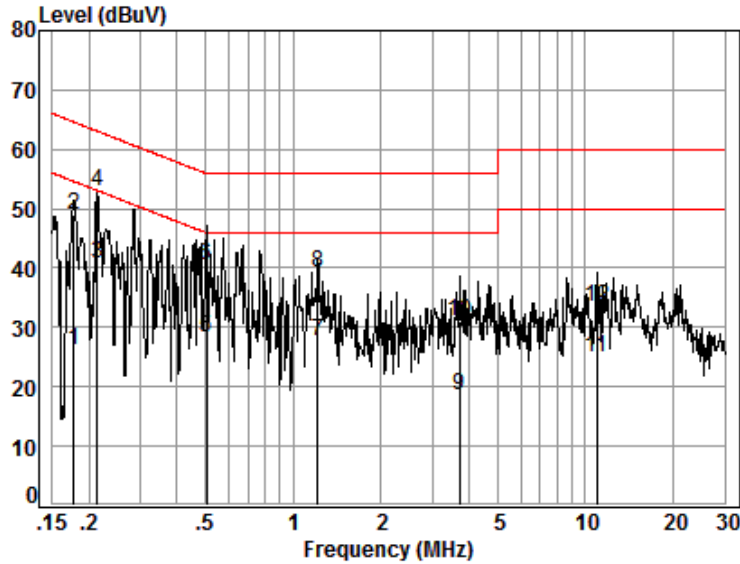
Site : Shielding Room
 Condition: Line
 Job No. : 13032CR
 Test mode: d

| | Freq | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|----|------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dB | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.15 | 0.01 | 9.66 | 19.24 | 28.91 | 55.87 | -26.96 | Average |
| 2 | 0.15 | 0.01 | 9.66 | 36.61 | 46.28 | 65.87 | -19.59 | QP |
| 3 | 0.30 | 0.04 | 9.67 | 5.63 | 15.34 | 50.32 | -34.98 | Average |
| 4 | 0.30 | 0.04 | 9.67 | 24.99 | 34.70 | 60.32 | -25.62 | QP |
| 5 | 0.52 | 0.06 | 9.67 | 4.91 | 14.64 | 46.00 | -31.36 | Average |
| 6 | 0.52 | 0.06 | 9.67 | 21.48 | 31.21 | 56.00 | -24.79 | QP |
| 7 | 1.17 | 0.10 | 9.73 | 16.14 | 25.97 | 46.00 | -20.03 | Average |
| 8 | 1.17 | 0.10 | 9.73 | 28.08 | 37.91 | 56.00 | -18.09 | QP |
| 9 | 3.09 | 0.16 | 9.71 | 6.62 | 16.49 | 46.00 | -29.51 | Average |
| 10 | 3.09 | 0.16 | 9.71 | 15.22 | 25.09 | 56.00 | -30.91 | QP |
| 11 | 9.35 | 0.17 | 9.84 | 10.63 | 20.64 | 50.00 | -29.36 | Average |
| 12 | 9.35 | 0.17 | 9.84 | 19.51 | 29.52 | 60.00 | -30.48 | QP |



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Mode:d; Line:Neutral Line



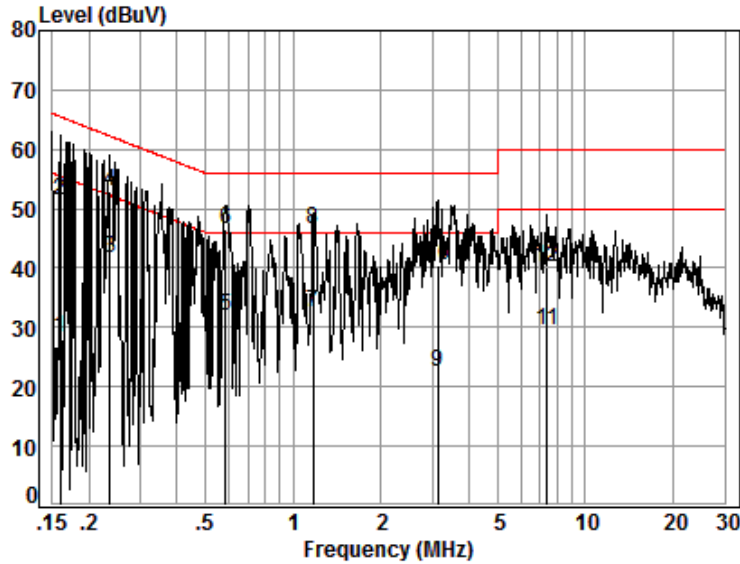
Site : Shielding Room
 Condition: Neutral
 Job No. : 13032CR
 Test mode: d

| | Freq | Cable Loss | LISN Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark |
|----|-------|------------|-------------|------------|-------------|------------|------------|---------|
| | MHz | dB | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.18 | 0.02 | 9.64 | 16.35 | 26.01 | 54.59 | -28.58 | Average |
| 2 | 0.18 | 0.02 | 9.64 | 39.30 | 48.96 | 64.59 | -15.63 | QP |
| 3 | 0.21 | 0.02 | 9.64 | 31.24 | 40.90 | 53.10 | -12.20 | Average |
| 4 | 0.21 | 0.02 | 9.64 | 43.15 | 52.81 | 63.10 | -10.29 | QP |
| 5 | 0.50 | 0.06 | 9.64 | 18.50 | 28.20 | 46.00 | -17.80 | Average |
| 6 | 0.50 | 0.06 | 9.64 | 30.70 | 40.40 | 56.00 | -15.60 | QP |
| 7 | 1.22 | 0.11 | 9.70 | 17.97 | 27.78 | 46.00 | -18.22 | Average |
| 8 | 1.22 | 0.11 | 9.70 | 29.45 | 39.26 | 56.00 | -16.74 | QP |
| 9 | 3.70 | 0.16 | 9.69 | 8.63 | 18.48 | 46.00 | -27.52 | Average |
| 10 | 3.70 | 0.16 | 9.69 | 21.21 | 31.06 | 56.00 | -24.94 | QP |
| 11 | 10.96 | 0.18 | 9.96 | 14.81 | 24.95 | 50.00 | -25.05 | Average |
| 12 | 10.96 | 0.18 | 9.96 | 23.34 | 33.48 | 60.00 | -26.52 | QP |



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Mode:e; Line:Live Line



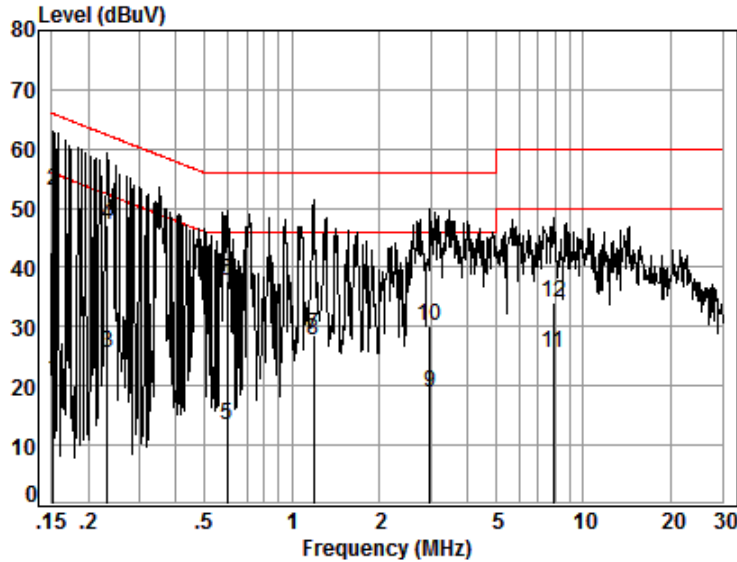
Site : Shielding Room
 Condition: Line
 Job No. : 13032CR
 Test mode: e

| | Freq | Cable Loss | LISN Factor | Read Level | Limit Line | Over Limit | Remark |
|----|------|------------|-------------|------------|------------|------------|----------------|
| | MHz | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.16 | 0.01 | 9.66 | 18.50 | 28.17 | 55.52 | -27.35 Average |
| 2 | 0.16 | 0.01 | 9.66 | 41.65 | 51.32 | 65.52 | -14.20 QP |
| 3 | 0.24 | 0.03 | 9.67 | 31.92 | 41.62 | 52.26 | -10.64 Average |
| 4 | 0.24 | 0.03 | 9.67 | 43.15 | 52.85 | 62.26 | -9.41 QP |
| 5 | 0.59 | 0.07 | 9.67 | 22.13 | 31.87 | 46.00 | -14.13 Average |
| 6 | 0.59 | 0.07 | 9.67 | 36.79 | 46.53 | 56.00 | -9.47 QP |
| 7 | 1.17 | 0.11 | 9.73 | 22.61 | 32.45 | 46.00 | -13.55 Average |
| 8 | 1.17 | 0.11 | 9.73 | 36.79 | 46.63 | 56.00 | -9.37 QP |
| 9 | 3.12 | 0.16 | 9.71 | 12.64 | 22.51 | 46.00 | -23.49 Average |
| 10 | 3.12 | 0.16 | 9.71 | 30.72 | 40.59 | 56.00 | -15.41 QP |
| 11 | 7.41 | 0.17 | 9.79 | 19.62 | 29.58 | 50.00 | -20.42 Average |
| 12 | 7.41 | 0.17 | 9.79 | 30.11 | 40.07 | 60.00 | -19.93 QP |



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Mode:e; Line:Neutral Line



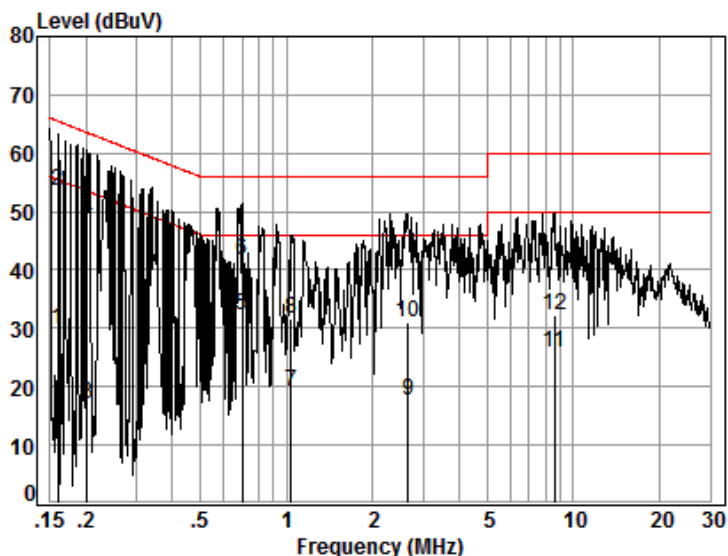
Site : Shielding Room
 Condition: Neutral
 Job No. : 13032CR
 Test mode: e

| | Freq | Cable Loss | LISN Factor | Read Level | Limit Level | Over Limit | Remark |
|----|------|------------|-------------|------------|-------------|------------|----------------|
| | MHz | dB | dB | dBuV | dBuV | dBuV | dB |
| 1 | 0.15 | 0.01 | 9.63 | 11.30 | 20.94 | 55.91 | -34.97 Average |
| 2 | 0.15 | 0.01 | 9.63 | 43.35 | 52.99 | 65.91 | -12.92 QP |
| 3 | 0.23 | 0.03 | 9.64 | 16.00 | 25.67 | 52.35 | -26.68 Average |
| 4 | 0.23 | 0.03 | 9.64 | 37.50 | 47.17 | 62.35 | -15.18 QP |
| 5 | 0.60 | 0.07 | 9.64 | 3.65 | 13.36 | 46.00 | -32.64 Average |
| 6 | 0.60 | 0.07 | 9.64 | 28.07 | 37.78 | 56.00 | -18.22 QP |
| 7 | 1.18 | 0.11 | 9.70 | 18.80 | 28.61 | 46.00 | -17.39 Average |
| 8 | 1.18 | 0.11 | 9.70 | 18.00 | 27.81 | 56.00 | -28.19 QP |
| 9 | 2.98 | 0.16 | 9.68 | 9.08 | 18.92 | 46.00 | -27.08 Average |
| 10 | 2.98 | 0.16 | 9.68 | 20.39 | 30.23 | 56.00 | -25.77 QP |
| 11 | 7.89 | 0.17 | 9.79 | 15.60 | 25.56 | 50.00 | -24.44 Average |
| 12 | 7.89 | 0.17 | 9.79 | 24.26 | 34.22 | 60.00 | -25.78 QP |



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Mode:f; Line:Live Line



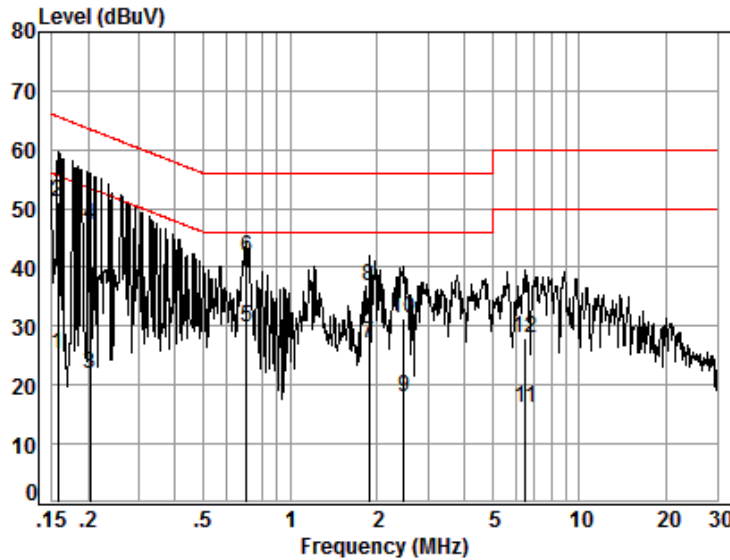
Site : Shielding Room
 Condition: Line
 Job No. : 13032CR
 Test mode: f

| | Freq | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|----|------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dB | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.16 | 0.01 | 9.66 | 20.10 | 29.77 | 55.47 | -25.70 | Average |
| 2 | 0.16 | 0.01 | 9.66 | 43.80 | 53.47 | 65.47 | -12.00 | QP |
| 3 | 0.20 | 0.02 | 9.66 | 7.38 | 17.06 | 53.54 | -36.48 | Average |
| 4 | 0.20 | 0.02 | 9.66 | 38.96 | 48.64 | 63.54 | -14.90 | QP |
| 5 | 0.70 | 0.07 | 9.68 | 22.61 | 32.36 | 46.00 | -13.64 | Average |
| 6 | 0.70 | 0.07 | 9.68 | 32.01 | 41.76 | 56.00 | -14.24 | QP |
| 7 | 1.04 | 0.09 | 9.74 | 9.28 | 19.11 | 46.00 | -26.89 | Average |
| 8 | 1.04 | 0.09 | 9.74 | 21.95 | 31.78 | 56.00 | -24.22 | QP |
| 9 | 2.65 | 0.16 | 9.71 | 7.91 | 17.78 | 46.00 | -28.22 | Average |
| 10 | 2.65 | 0.16 | 9.71 | 21.23 | 31.10 | 56.00 | -24.90 | QP |
| 11 | 8.59 | 0.17 | 9.82 | 15.85 | 25.84 | 50.00 | -24.16 | Average |
| 12 | 8.59 | 0.17 | 9.82 | 22.32 | 32.31 | 60.00 | -27.69 | QP |



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Mode:f; Line:Neutral Line



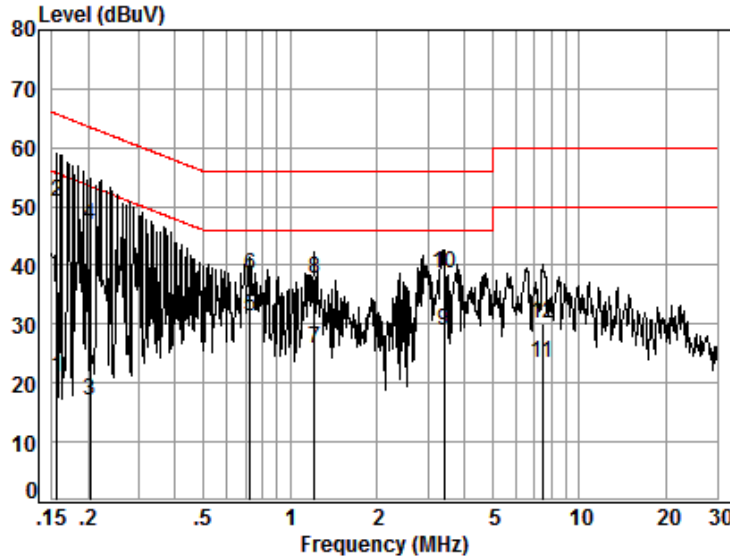
Site : Shielding Room
 Condition: Neutral
 Job No. : 13032CR
 Test mode: f

| | Freq | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|----|------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dB | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.16 | 0.01 | 9.63 | 15.63 | 25.27 | 55.60 | -30.33 | Average |
| 2 | 0.16 | 0.01 | 9.63 | 41.46 | 51.10 | 65.60 | -14.50 | QP |
| 3 | 0.20 | 0.02 | 9.64 | 12.16 | 21.82 | 53.49 | -31.67 | Average |
| 4 | 0.20 | 0.02 | 9.64 | 37.53 | 47.19 | 63.49 | -16.30 | QP |
| 5 | 0.70 | 0.08 | 9.65 | 20.22 | 29.95 | 46.00 | -16.05 | Average |
| 6 | 0.70 | 0.08 | 9.65 | 32.02 | 41.75 | 56.00 | -14.25 | QP |
| 7 | 1.88 | 0.15 | 9.69 | 17.27 | 27.11 | 46.00 | -18.89 | Average |
| 8 | 1.88 | 0.15 | 9.69 | 26.87 | 36.71 | 56.00 | -19.29 | QP |
| 9 | 2.47 | 0.16 | 9.68 | 8.23 | 18.07 | 46.00 | -27.93 | Average |
| 10 | 2.47 | 0.16 | 9.68 | 21.35 | 31.19 | 56.00 | -24.81 | QP |
| 11 | 6.49 | 0.17 | 9.75 | 6.16 | 16.08 | 50.00 | -33.92 | Average |
| 12 | 6.49 | 0.17 | 9.75 | 18.07 | 27.99 | 60.00 | -32.01 | QP |



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Mode:g; Line:Live Line



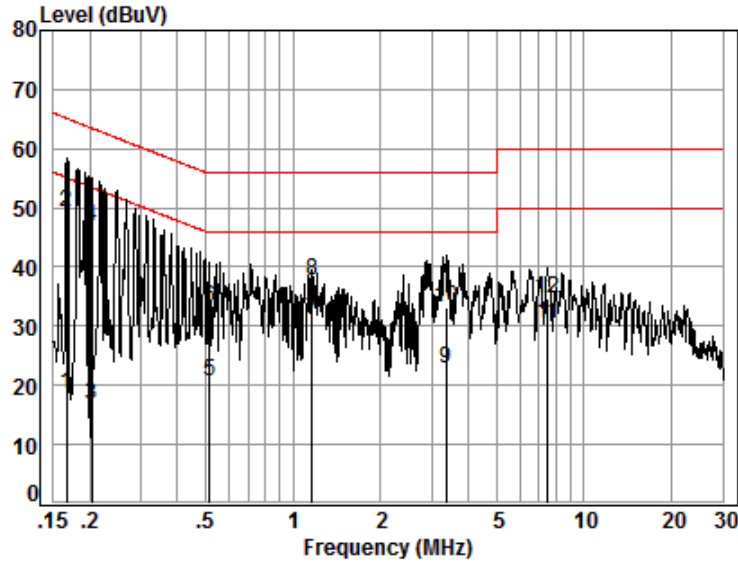
Site : Shielding Room
 Condition: Line
 Job No. : 13032CR
 Test mode: g

| | Freq | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark |
|----|------|------------|-------------|------------|-------|------------|------------|---------|
| | MHz | dB | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.16 | 0.01 | 9.66 | 11.17 | 20.84 | 55.69 | -34.85 | Average |
| 2 | 0.16 | 0.01 | 9.66 | 41.25 | 50.92 | 65.69 | -14.77 | QP |
| 3 | 0.20 | 0.02 | 9.66 | 7.43 | 17.11 | 53.49 | -36.38 | Average |
| 4 | 0.20 | 0.02 | 9.66 | 37.13 | 46.81 | 63.49 | -16.68 | QP |
| 5 | 0.73 | 0.08 | 9.70 | 21.55 | 31.33 | 46.00 | -14.67 | Average |
| 6 | 0.73 | 0.08 | 9.70 | 28.45 | 38.23 | 56.00 | -17.77 | QP |
| 7 | 1.22 | 0.11 | 9.73 | 16.09 | 25.93 | 46.00 | -20.07 | Average |
| 8 | 1.22 | 0.11 | 9.73 | 27.76 | 37.60 | 56.00 | -18.40 | QP |
| 9 | 3.40 | 0.16 | 9.71 | 18.94 | 28.81 | 46.00 | -17.19 | Average |
| 10 | 3.40 | 0.16 | 9.71 | 28.78 | 38.65 | 56.00 | -17.35 | QP |
| 11 | 7.45 | 0.17 | 9.79 | 13.46 | 23.42 | 50.00 | -26.58 | Average |
| 12 | 7.45 | 0.17 | 9.79 | 20.18 | 30.14 | 60.00 | -29.86 | QP |



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Mode:g; Line:Neutral Line



Site : Shielding Room
 Condition: Neutral
 Job No. : 13032CR
 Test mode: g

| | Freq | Cable Loss | LISN Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark |
|----|------|------------|-------------|------------|-------------|------------|------------|---------|
| | MHz | dB | dB | dBuV | dBuV | dBuV | dB | |
| 1 | 0.17 | 0.01 | 9.64 | 8.79 | 18.44 | 55.16 | -36.72 | Average |
| 2 | 0.17 | 0.01 | 9.64 | 39.51 | 49.16 | 65.16 | -16.00 | QP |
| 3 | 0.20 | 0.02 | 9.64 | 7.06 | 16.72 | 53.49 | -36.77 | Average |
| 4 | 0.20 | 0.02 | 9.64 | 37.19 | 46.85 | 63.49 | -16.64 | QP |
| 5 | 0.52 | 0.06 | 9.64 | 11.02 | 20.72 | 46.00 | -25.28 | Average |
| 6 | 0.52 | 0.06 | 9.64 | 23.42 | 33.12 | 56.00 | -22.88 | QP |
| 7 | 1.17 | 0.10 | 9.70 | 21.30 | 31.10 | 46.00 | -14.90 | Average |
| 8 | 1.17 | 0.10 | 9.70 | 28.03 | 37.83 | 56.00 | -18.17 | QP |
| 9 | 3.35 | 0.16 | 9.68 | 13.08 | 22.92 | 46.00 | -23.08 | Average |
| 10 | 3.35 | 0.16 | 9.68 | 23.43 | 33.27 | 56.00 | -22.73 | QP |
| 11 | 7.53 | 0.17 | 9.78 | 20.45 | 30.40 | 50.00 | -19.60 | Average |
| 12 | 7.53 | 0.17 | 9.78 | 24.84 | 34.79 | 60.00 | -25.21 | QP |



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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(dBμV/m) quasi-peak |
| 88MHz-216MHz | 43.5(dBμV/m) quasi-peak |
| 216MHz-960MHz | 46.0(dBμV/m) quasi-peak |
| 960MHz-1000MHz | 54.0(dBμV/m) quasi-peak |
| Detector: | Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz |



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6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24.1 °C Humidity: 55 % RH Atmospheric Pressure: 1015 mbar

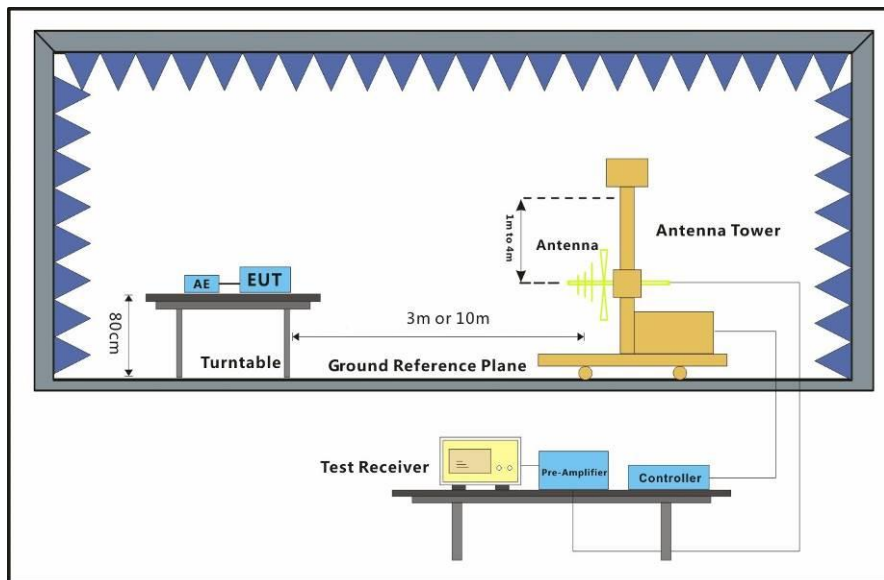
Pretest these modes to find the worst case:

- a: Transfer data between the EUT1 and the PC+USB cable1
- b: Transfer data between the EUT2 and the PC+USB cable2
- c: Transfer data between the EUT(worst) and the PC+USB cable3
- d: Telecom Idle+BT+WLAN+NFC+GPS Rx+playing MP4 (SD card)+earphone1/adapter1+battery1
- e: Telecom Idle+BT+WLAN+NFC+GPS Rx+camera (Front)+earphone2/adapter2+battery2
- f: Telecom Idle+BT+WLAN+NFC+GPS Rx+camera (Back)+earphone3/adapter3+battery(worst)
- g: GSM 850+BT+WLAN+NFC+GPS Rx+earphone4/adapter4+battery(worst)

The worst case for final test:

- a: Transfer data between the EUT1 and the PC+USB cable1
- b: Transfer data between the EUT2 and the PC+USB cable2
- c: Transfer data between the EUT1 and the PC+USB cable3
- g: GSM 850+BT+WLAN+NFC+GPS Rx+battery1+adapters4

6.2.2 Test Setup Diagram

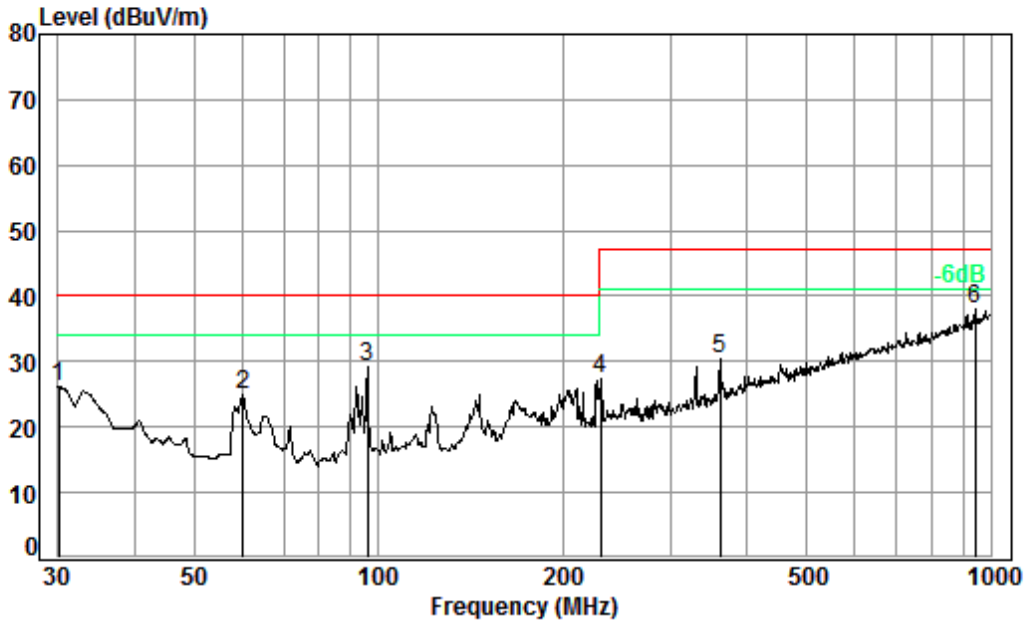


6.2.3 Measurement Data

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



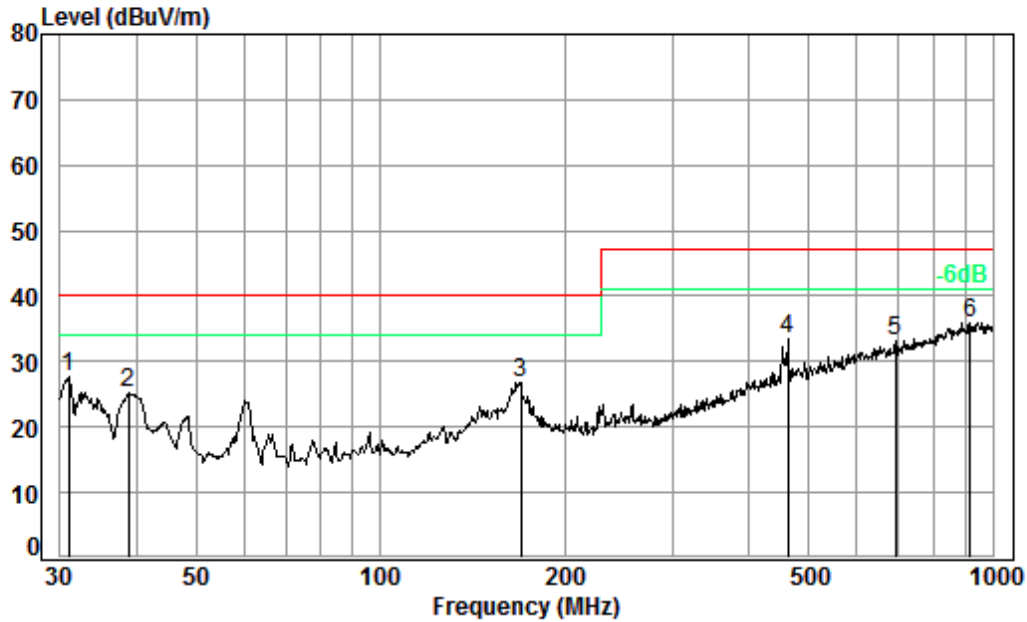
Condition: 3m HORIZONTAL
 Job No. : 13032CR
 Test Mode: a

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit | Over |
|------|--------|------------|------------|---------------|------------|--------|--------|--------|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB |
| 1 | 30.11 | 0.60 | 22.44 | 27.67 | 30.77 | 26.14 | 40.00 | -13.86 |
| 2 | 60.07 | 0.80 | 13.20 | 27.56 | 38.63 | 25.07 | 40.00 | -14.93 |
| 3 | 96.10 | 1.16 | 13.66 | 27.51 | 41.83 | 29.14 | 40.00 | -10.86 |
| 4 | 230.91 | 1.58 | 18.09 | 27.53 | 35.24 | 27.38 | 47.00 | -19.62 |
| 5 | 361.71 | 2.09 | 21.42 | 27.66 | 34.42 | 30.27 | 47.00 | -16.73 |
| 6 pp | 942.13 | 3.64 | 30.02 | 26.94 | 31.28 | 38.00 | 47.00 | -9.00 |



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Mode:a; Polarization:Vertical



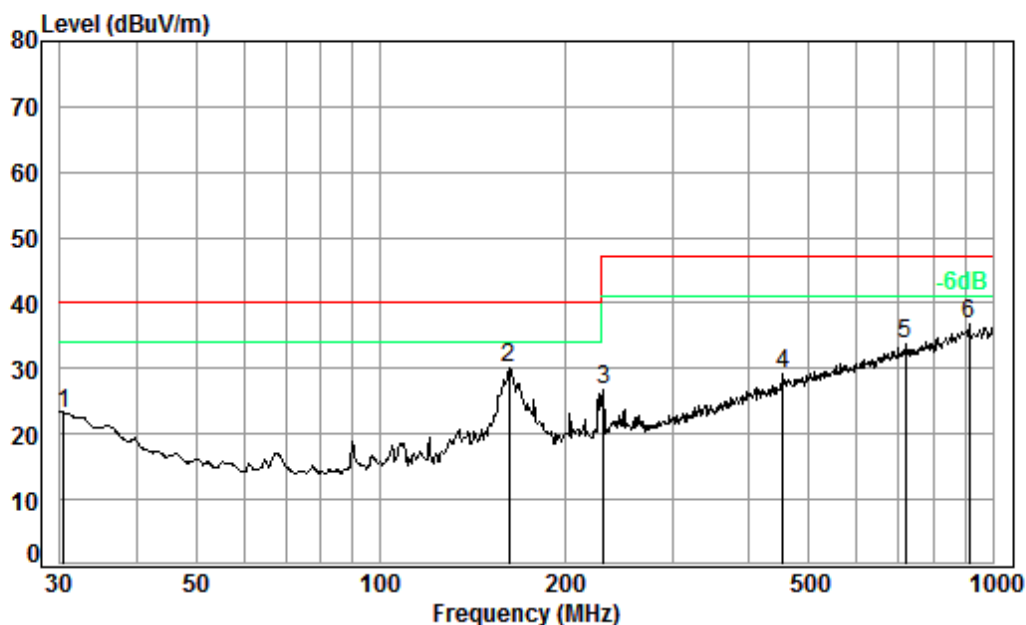
Condition: 3m VERTICAL
 Job No. : 13032CR
 Test Mode: a

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level | Limit | Over |
|------|--------|------------|------------|---------------|------------|--------|--------|--------|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m | dB |
| 1 | 30.96 | 0.60 | 21.95 | 27.67 | 32.88 | 27.76 | 40.00 | -12.24 |
| 2 | 38.75 | 0.60 | 18.05 | 27.63 | 34.15 | 25.17 | 40.00 | -14.83 |
| 3 | 169.60 | 1.35 | 15.70 | 27.52 | 37.38 | 26.91 | 40.00 | -13.09 |
| 4 | 462.35 | 2.46 | 23.83 | 27.83 | 34.88 | 33.34 | 47.00 | -13.66 |
| 5 | 694.42 | 2.89 | 27.83 | 27.56 | 29.88 | 33.04 | 47.00 | -13.96 |
| 6 pp | 919.29 | 3.62 | 29.90 | 27.02 | 29.51 | 36.01 | 47.00 | -10.99 |



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Mode:b; Polarization:Horizontal



Condition: 3m HORIZONTAL

Job No. : 13032CR

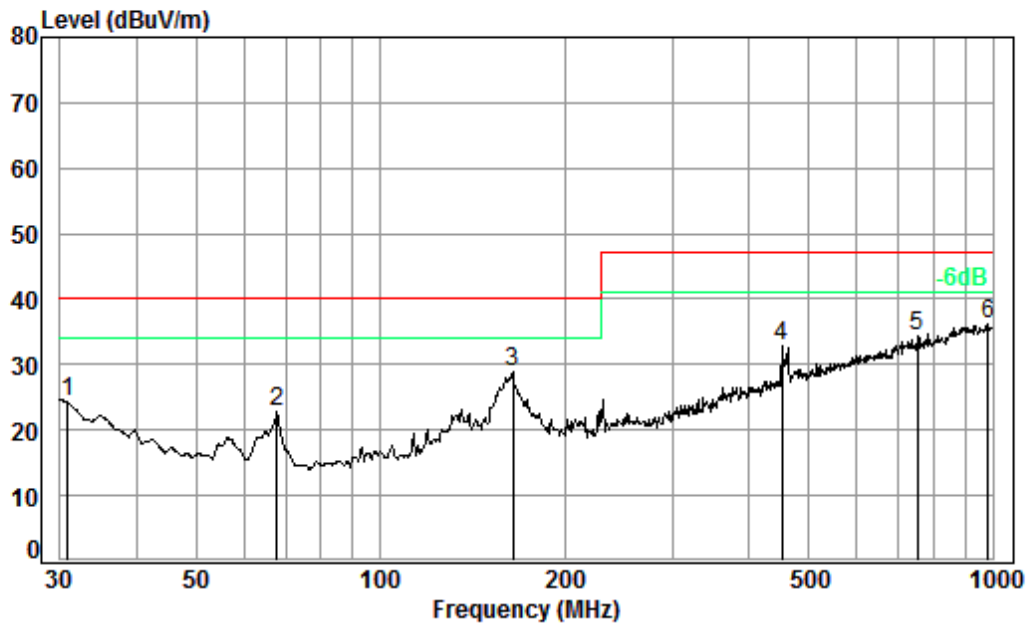
Test Mode: b

| | 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 | 30.42 | 0.60 | 22.26 | 27.67 | 28.06 | 23.25 | 40.00 | -16.75 |
| 2 pp | 162.04 | 1.34 | 15.54 | 27.52 | 40.79 | 30.15 | 40.00 | -9.85 |
| 3 | 231.72 | 1.58 | 18.15 | 27.53 | 34.71 | 26.91 | 47.00 | -20.09 |
| 4 | 454.31 | 2.43 | 23.66 | 27.82 | 30.89 | 29.16 | 47.00 | -17.84 |
| 5 | 719.20 | 2.96 | 28.02 | 27.52 | 30.21 | 33.67 | 47.00 | -13.33 |
| 6 | 916.07 | 3.62 | 29.88 | 27.03 | 30.29 | 36.76 | 47.00 | -10.24 |



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Mode:b; Polarization:Vertical



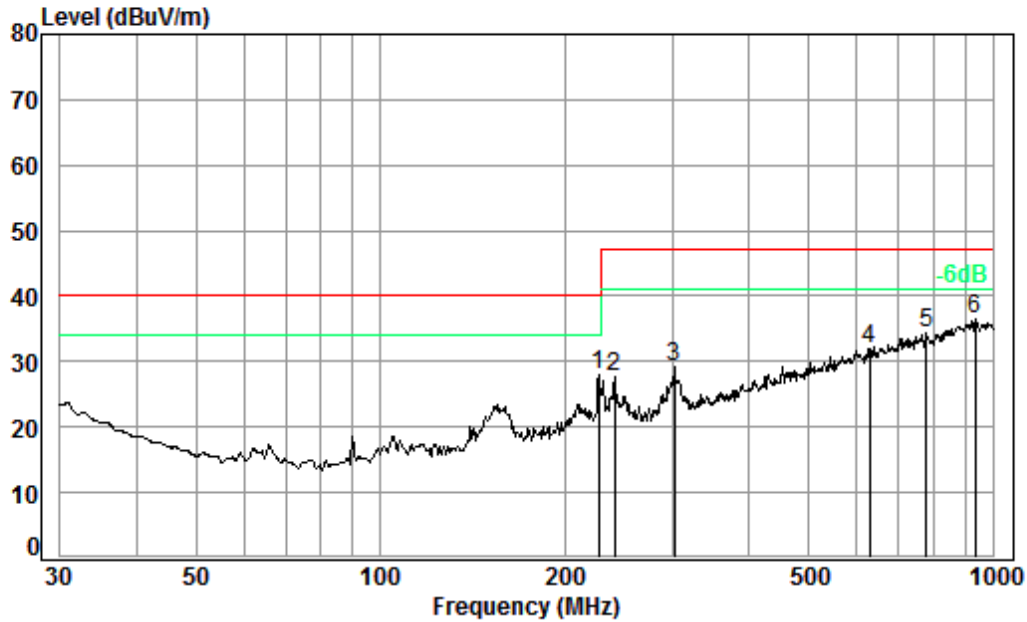
Condition: 3m VERTICAL
 Job No. : 13032CR
 Test Mode: b

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit Level | Over Limit |
|------|--------|------------|------------|---------------|------------|-------------|------------|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dB |
| 1 | 30.85 | 0.60 | 22.01 | 27.67 | 29.24 | 40.00 | -15.82 |
| 2 | 67.91 | 0.80 | 12.88 | 27.53 | 36.51 | 40.00 | -17.34 |
| 3 | 164.91 | 1.34 | 15.60 | 27.52 | 39.35 | 40.00 | -11.23 |
| 4 | 452.72 | 2.42 | 23.62 | 27.81 | 34.61 | 47.00 | -14.16 |
| 5 | 752.74 | 3.07 | 28.23 | 27.48 | 30.48 | 47.00 | -12.70 |
| 6 pp | 982.62 | 3.68 | 30.22 | 26.82 | 29.17 | 47.00 | -10.75 |



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Mode:c; Polarization:Horizontal



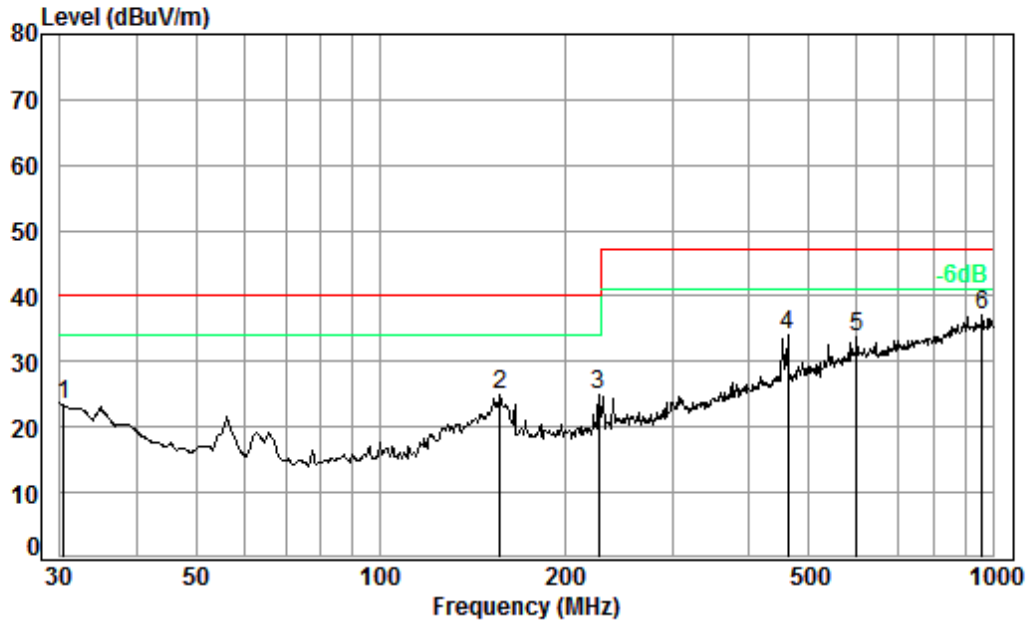
Condition: 3m HORIZONTAL
 Job No. : 13032CR
 Test Mode: c

| | 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 | 226.89 | 1.56 | 17.77 | 27.53 | 36.08 | 27.88 | 40.00 | -12.12 |
| 2 | 240.83 | 1.63 | 18.81 | 27.53 | 34.87 | 27.78 | 47.00 | -19.22 |
| 3 | 302.48 | 1.91 | 19.68 | 27.55 | 35.01 | 29.05 | 47.00 | -17.95 |
| 4 | 629.48 | 2.76 | 27.00 | 27.65 | 29.77 | 31.88 | 47.00 | -15.12 |
| 5 | 779.61 | 3.14 | 28.38 | 27.45 | 30.21 | 34.28 | 47.00 | -12.72 |
| 6 pp | 935.55 | 3.64 | 29.98 | 26.96 | 29.91 | 36.57 | 47.00 | -10.43 |



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Mode:c; Polarization:Vertical



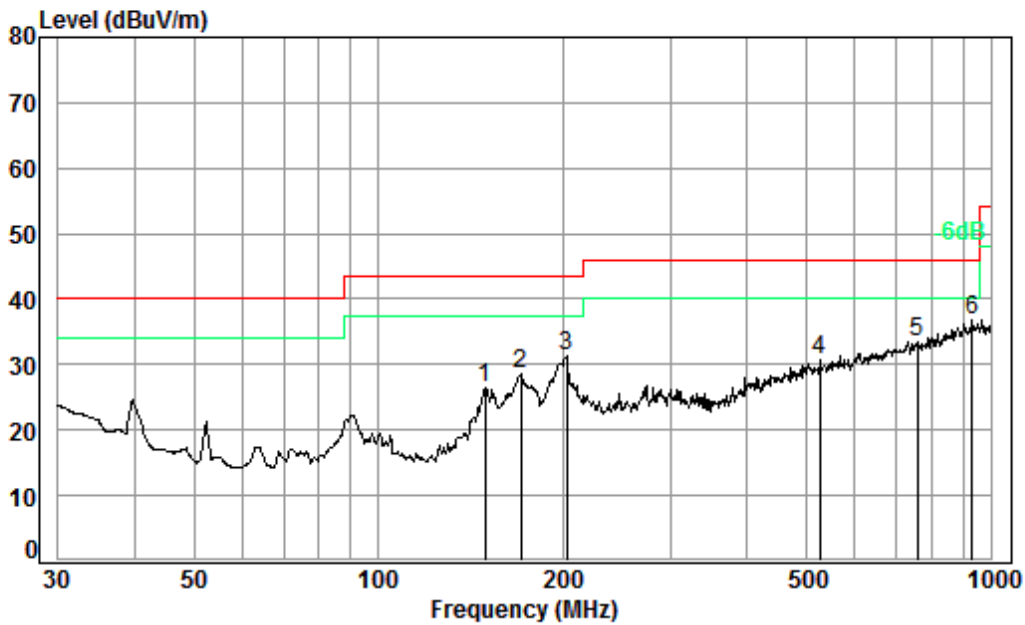
Condition: 3m VERTICAL
 Job No. : 13032CR
 Test Mode: c

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit Level | Over Limit |
|------|--------|------------|------------|---------------|------------|-------------|------------|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dBuV/m |
| 1 | 30.42 | 0.60 | 22.26 | 27.67 | 28.15 | 23.34 | 40.00 |
| 2 | 157.01 | 1.33 | 15.25 | 27.52 | 35.90 | 24.96 | 40.00 |
| 3 | 226.89 | 1.56 | 17.77 | 27.53 | 33.15 | 24.95 | 40.00 |
| 4 | 462.35 | 2.46 | 23.83 | 27.83 | 35.48 | 33.94 | 47.00 |
| 5 | 599.32 | 2.70 | 26.59 | 27.70 | 32.24 | 33.83 | 47.00 |
| 6 pp | 962.16 | 3.66 | 30.12 | 26.88 | 30.35 | 37.25 | 47.00 |



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Mode:g; Polarization:Horizontal



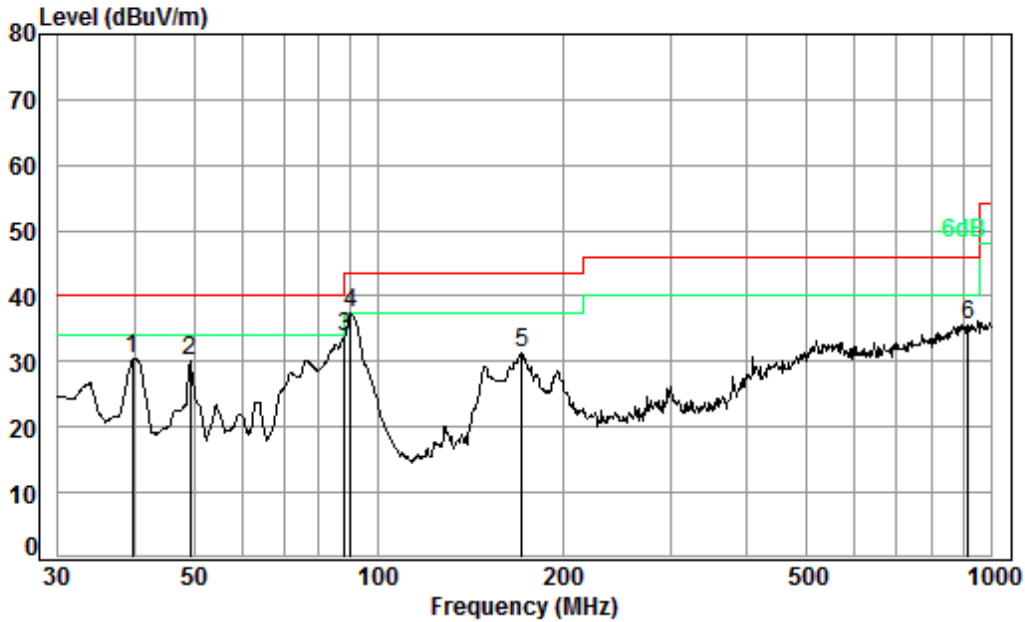
Condition: 3m HORIZONTAL
 Job No. : 13032CR
 Test Mode: g

| | 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 | 149.49 | 1.32 | 14.58 | 27.52 | 38.23 | 26.61 | 43.50 | -16.89 |
| 2 | 170.79 | 1.35 | 15.72 | 27.52 | 38.97 | 28.52 | 43.50 | -14.98 |
| 3 | 202.81 | 1.42 | 16.60 | 27.53 | 40.73 | 31.22 | 43.50 | -12.28 |
| 4 | 526.40 | 2.63 | 25.16 | 27.83 | 30.64 | 30.60 | 46.00 | -15.40 |
| 5 | 758.04 | 3.08 | 28.26 | 27.47 | 29.59 | 33.46 | 46.00 | -12.54 |
| 6 pp | 932.27 | 3.63 | 29.97 | 26.97 | 30.32 | 36.95 | 46.00 | -9.05 |



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Mode:g; Polarization:Vertical



Condition: 3m VERTICAL
 Job No. : 13032CR
 Test Mode: g

| | Freq | Cable Loss | Ant Factor | Preamp Factor | Read Level | Limit Level | Over Limit | |
|------|--------|------------|------------|---------------|------------|-------------|------------|--------|
| | MHz | dB | dB/m | dB | dBuV | dBuV/m | dB | |
| 1 | 39.71 | 0.60 | 17.62 | 27.63 | 39.88 | 30.47 | 40.00 | -9.53 |
| 2 | 49.36 | 0.79 | 14.39 | 27.60 | 42.55 | 30.13 | 40.00 | -9.87 |
| 3 | 88.03 | 1.10 | 12.89 | 27.50 | 47.42 | 33.91 | 43.50 | -9.59 |
| 4 pp | 90.22 | 1.10 | 13.12 | 27.51 | 50.60 | 37.31 | 43.50 | -6.19 |
| 5 | 171.39 | 1.36 | 15.73 | 27.52 | 41.77 | 31.34 | 43.50 | -12.16 |
| 6 | 919.29 | 3.62 | 29.90 | 27.02 | 29.06 | 35.56 | 46.00 | -10.44 |



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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: 23.1 °C Humidity: 53.7 % RH Atmospheric Pressure: 1015 mbar

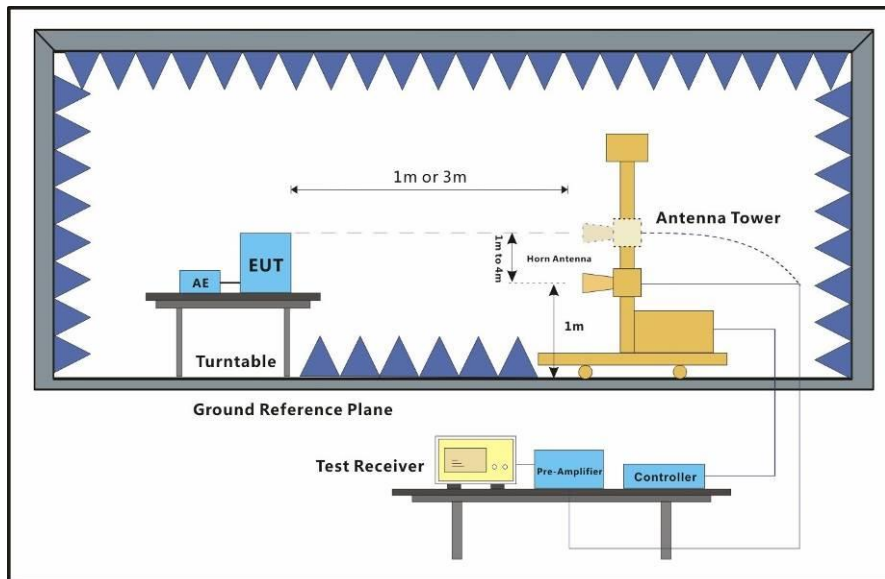
Pretest these modes to find the worst case:

- a: Transfer data between the EUT1 and the PC+USB cable1
- b: Transfer data between the EUT2 and the PC+USB cable2
- c: Transfer data between the EUT(worst) and the PC+USB cable3
- d: Telecom Idle+BT+WLAN+NFC+GPS Rx+playing MP4 (SD card) +earphone1/adapter1+battery1
- e: Telecom Idle+BT+WLAN+NFC+GPS Rx+camera (Front) +earphone2/adapter2+battery2
- f: Telecom Idle+BT+WLAN+NFC+GPS Rx+camera (Back) +earphone3/adapter3+battery(worst)
- g: GSM 850+BT+WLAN+NFC+GPS Rx+earphone4/adapter4+battery(worst)

The worst case for final test:

- a: Transfer data between the EUT1 and the PC+USB cable1
- f: Telecom Idle+BT+WLAN+NFC+GPS Rx+camera (Back) + battery1+adaprer3

6.3.2 Test Setup Diagram

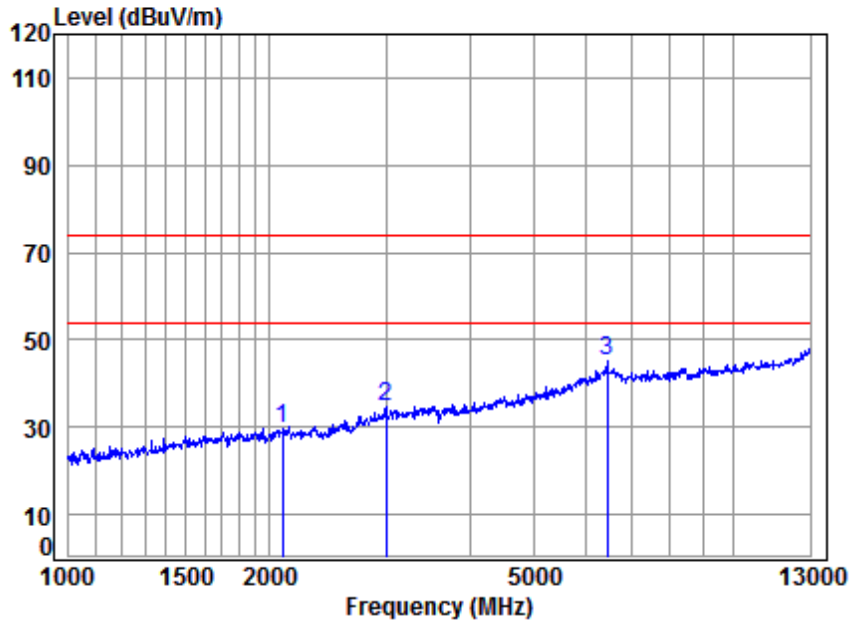


6.3.3 Measurement Data

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.



Mode:a; Polarization:Horizontal

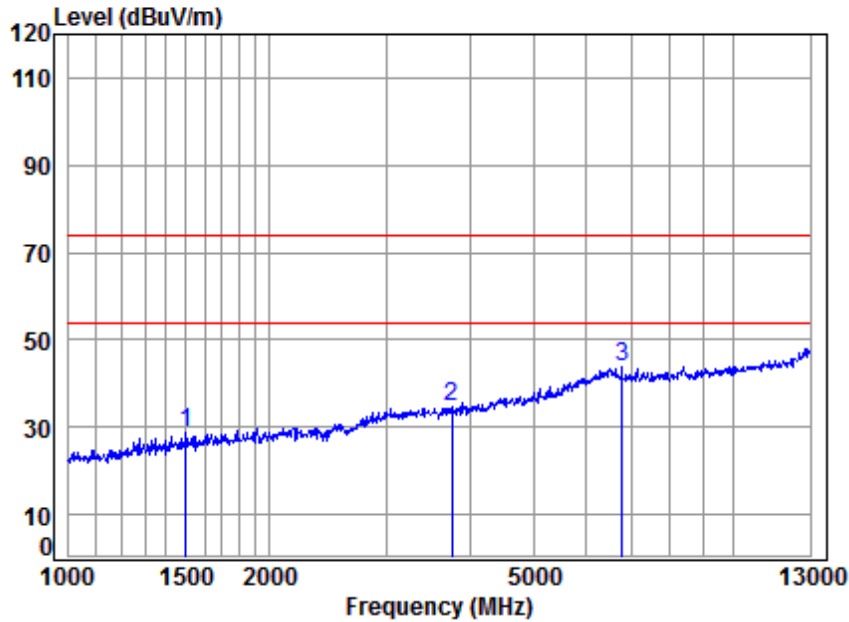


Site : chamber
 Condition: 3m Horizontal
 Job No : 13032CR
 Mode : a

| | 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 | 2098.600 | 5.06 | 27.99 | 41.04 | 37.51 | 29.52 | 74.00 | -44.48 Peak |
| 2 | 2997.559 | 5.98 | 30.89 | 41.40 | 39.25 | 34.72 | 74.00 | -39.28 Peak |
| 3 | 6437.583 | 11.42 | 35.54 | 42.46 | 40.70 | 45.20 | 74.00 | -28.80 Peak |



Mode:a; Polarization:Vertical



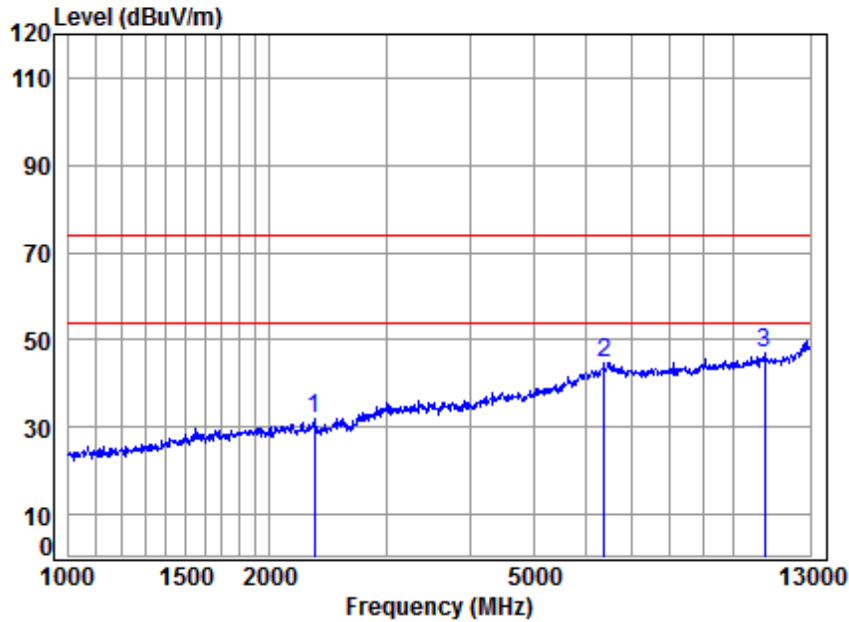
Site : chamber
 Condition: 3m VERTICAL
 Job No : 13032CR
 Mode : a

| | 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 | 1499.695 | 5.48 | 25.80 | 40.71 | 38.39 | 28.96 | 74.00 | -45.04 | Peak |
| 2 | 3766.246 | 6.75 | 32.25 | 42.47 | 38.06 | 34.59 | 74.00 | -39.41 | Peak |
| 3 | 6776.442 | 10.75 | 35.77 | 42.18 | 39.28 | 43.62 | 74.00 | -30.38 | Peak |



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Mode:f; Polarization:Horizontal



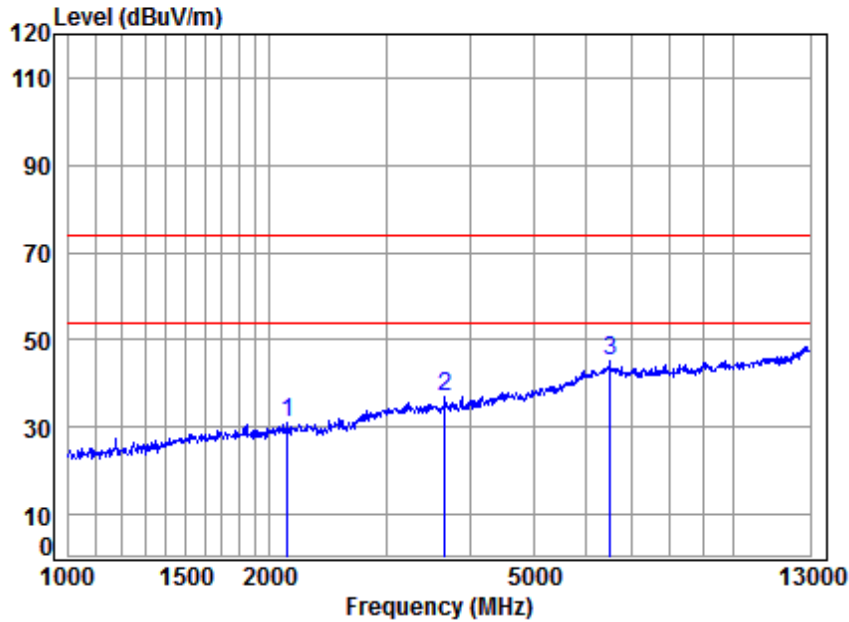
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 13032CR
 Mode : f

| | 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 | 2337.304 | 5.40 | 28.43 | 41.15 | 39.41 | 32.09 | 74.00 | -41.91 | Peak |
| 2 | 6388.237 | 11.33 | 35.49 | 42.50 | 40.47 | 44.79 | 74.00 | -29.21 | Peak |
| 3 | 11117.130 | 11.75 | 37.82 | 38.32 | 35.66 | 46.91 | 74.00 | -27.09 | Peak |



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Mode:f; Polarization:Vertical



Site : chamber
 Condition: 3m VERTICAL
 Job No : 13032CR
 Mode : f

| | 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 | 2131.146 | 5.10 | 28.06 | 41.06 | 38.84 | 30.94 | 74.00 | -43.06 | Peak |
| 2 | 3670.872 | 6.65 | 32.06 | 42.35 | 40.64 | 37.00 | 74.00 | -37.00 | Peak |
| 3 | 6503.972 | 11.53 | 35.60 | 42.40 | 40.59 | 45.32 | 74.00 | -28.68 | Peak |



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7 Photographs

7.1 Test Setup

Refer to Setup Photos

7.2 EUT Constructional Details (EUT Photos)

Refer to EUT external and internal photos

- End of the Report -

