FCC EMC Test Report

| Project No. Equipment | : | 2108C136 Mobile Phone |
|--------------------------|---|---|
| Brand Name | : | OPPO |
| Test Model | : | CPH2365 |
| Series Model | : | N/A |
| Applicant | : | Guangdong OPPO Mobile Telecommunications Corp., Ltd. |
| Address | : | NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China |
| Manufacturer | : | Guangdong OPPO Mobile Telecommunications Corp., Ltd. |
| Address | : | NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China |
| Factory | : | |
| Address | : | NO.18 Haibin Road, Wusha Village, Chang'an Town, Dongguan City, Guangdong, China |
| Date of Receipt | : | Dec. 23, 2020 Aug. 22, 2021 |
| Date of Test | : | Dec. 26, 2020 Aug. 26, 2021 ~ Aug. 28, 2021 |
| Issued Date | : | Aug. 30, 2021 |
| Report Version | : | R00 |
| Test Sample | : | Engineering Sample No.: DG2020122311, DG2021082457 |
| Standard(s) | : | FCC CFR Title 47, Part 15, Subpart B |

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

Detek . Tong

Prepared by : Derek Tong

BL

kevn li

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

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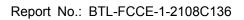
BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective. Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.





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REPORT ISSUED HISTORY

| Report Version | Description | Issued Date |
|----------------|-----------------|---------------|
| R00 | Original Issue. | Aug. 30, 2021 |



1. SUMMARY OF TEST RESULTS

| Emission | | | |
|---|------------------------------------|------|--|
| Ref Standard(s) Test Item Ref | | | |
| FCC CFR Title 47,Part 15,Subpart B ANSI C63.4-2014 | AC Power Line Conducted Emissions | PASS | |
| | Radiated Emissions 30 MHz to 1 GHz | PASS | |
| ANOI 003.4-2014 | Radiated Emissions Above 1 GHz | PASS | |



1.1 TEST FACILITY

The test facilities used to collect the test data in this report at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China. BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)) The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

| Test Site | Method | Method Measurement Frequency Range | |
|-----------|--------|------------------------------------|------|
| DG-C01 | CISPR | 150kHz ~ 30MHz | 3.18 |

B. Radiated emissions test:

| Test Site | Method Measurement Frequency Range | | Ant. H / V | U,(dB) |
|-----------------|------------------------------------|-------------------|---------------|--------|
| DG-CB02 (3m) | CISPR | 30MHz ~ 200MHz | V | 4.34 |
| | | 30MHz ~ 200MHz | Н | 4.00 |
| | | 200MHz ~ 1,000MHz | V | 4.50 |
| | | 200MHz ~ 1,000MHz | Н | 4.26 |

| Test Site | Method | Measurement Frequency Range | U,(dB) |
|-----------|--------|-----------------------------|--------|
| DG-CB02 | | 1GHz ~ 6GHz | 4.04 |
| (3m) | CISPR | 6GHz ~ 18GHz | 5.10 |

| Test Site | Method | Measurement Frequency Range | U,(dB) |
|-----------|--------|-----------------------------|--------|
| DG-CB02 | CISPR | 18 ~ 26.5 GHz | 3.62 |
| (1m) | CISPR | 26.5 ~ 40 GHz | 4.00 |

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

| Test Item | Temperature | Humidity | Tested By |
|------------------------------------|-------------|----------|-----------|
| AC Power Line Conducted Emissions | 25°C | 53% | Lea Lu |
| Radiated emissions 30 MHz to 1 GHz | 25°C | 60% | Eli Chen |
| Radiated emissions above 1 GHz | 25°C | 60% | Eli Chen |



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

| Equipment | Mobile Phone |
|--------------------------------|---|
| Brand Name | OPPO |
| Test Model | CPH2365 |
| Series Model | N/A |
| Model Difference(s) | N/A |
| Power Source | DC Voltage supplied from AC/DC adapter. Model: VCB3HAUH Supplied from Li-ion Polymer battery. 1# Manufacturer / Model: Sunwoda / BLP851 2# Manufacturer / Model: TWS / BLP851 Supplied from USB port. |
| Power Rating | 1. I/P:100-240V~ 50/60Hz 1.2A O/P:5V2A or 5-11V3A MAX 2. 3.87Vdc, 4880mAh 3. DC 5V |
| Connecting I/O Port(s) | 1* Earphone port 1* Micro USB port |
| Classification of EUT | Class B |
| Highest Internal Frequency(Fx) | 5850 MHz |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

| Pretest Mode | Description |
|--------------|---|
| Mode 1 | Adapter+ Idle+Playing+Speaker |
| Mode 2 | Adapter+ Idle+Playing+earphone |
| Mode 3 | Adapter+Idle+2.4G WIFI+BT+GNSS+Camera on(Front) |
| Mode 4 | Adapter+Idle+5G WIFI+BT+GNSS+Camera on(Rear) |
| Mode 5 | Adapter+Traffic(GSM)(850/1900) |
| Mode 6 | Adapter+Traffic(WCDMA)(B2/4/5) |
| Mode 7 | Adapter+Traffic(LTE)(BAND2/4/5/7/12/17/26/38/41/66) |
| Mode 8 | Adapter+Traffic (LTE)(BAND1)+5G WIFI+BT+GNSS+Camera on(Front) |
| Mode 9 | FM 88MHz |
| Mode 10 | FM 98MHz |
| Mode 11 | FM 108MHz |
| Mode 12 | USB Copy + Idle |

| AC Power Line Conducted Emissions test | | |
|--|--|--|
| Final Test Mode Description | | |
| Mode 8 | Adapter+Traffic (LTE)(BAND1)+5G WIFI+BT+GNSS+Camera on)(Front) | |

| Radiated Emissions 30 MHz to 1 GHz test | | | | |
|---|--|--|--|--|
| Final Test Mode | Description | | | |
| Mode 8 | Adapter+Traffic (LTE)(BAND1)+5G WIFI+BT+GNSS+Camera on)(Front) | | | |

| Radiated emissions above 1 GHz test | | | | |
|-------------------------------------|--|--|--|--|
| Final Test Mode | Description | | | |
| Mode 8 | Adapter+Traffic (LTE)(BAND1)+5G WIFI+BT+GNSS+Camera on)(Front) | | | |



| Item | Model | Factory | config1 | config2 |
|-----------|----------|---------|---------|---------|
| Adapter | VCB3HAUH | / | V | V |
| USB Cable | DL143 | / | V | V |
| Patton | BLP851 | Sunwoda | V | |
| Battery | DLF001 | TWS | | V |
| Earphone | / | 1 | V | V |

Evaluation description:

1. Mode 1: Tested config1-2. Config 1 is the worst case and tested Mode 2-12. Config1 with Mode 8 is the worst case and recorded in this report.

Note:

- 1. The frequency of BT&2.4G WIFI exemption is 2400-2483.5MHz.
- 2. The frequency of 5G WIFI exemption is 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz.

Radiated emission above 1GHz tested with 2.4G&5G filter.



2.3 EUT OPERATING CONDITIONS

The EUT exercise program used during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use. The standard test signals and output signal as following:

Mode 1-11:

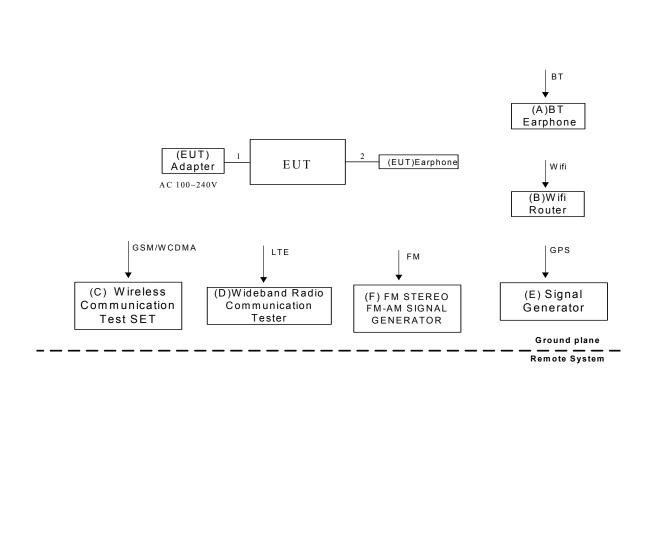
- 1. EUT connected to Earphone via Earphone cable.
- 2. EUT connected to Adapter via USB cable.
- 3. EUT connected to Wifi Router via WIFI function.
- 4. EUT connected to BT Earphone via BT function.
- 5. EUT connected to Wireless Communication Test SET via GSM/WCDMA function.
- 6. EUT connected to Wideband Radio Communication Tester via LTE function.
- 7. EUT connected to FM STEREO FM-AM signal generator via FM function.
- 8. EUT connected to Signal Generator via GPS function.

Mode 12:

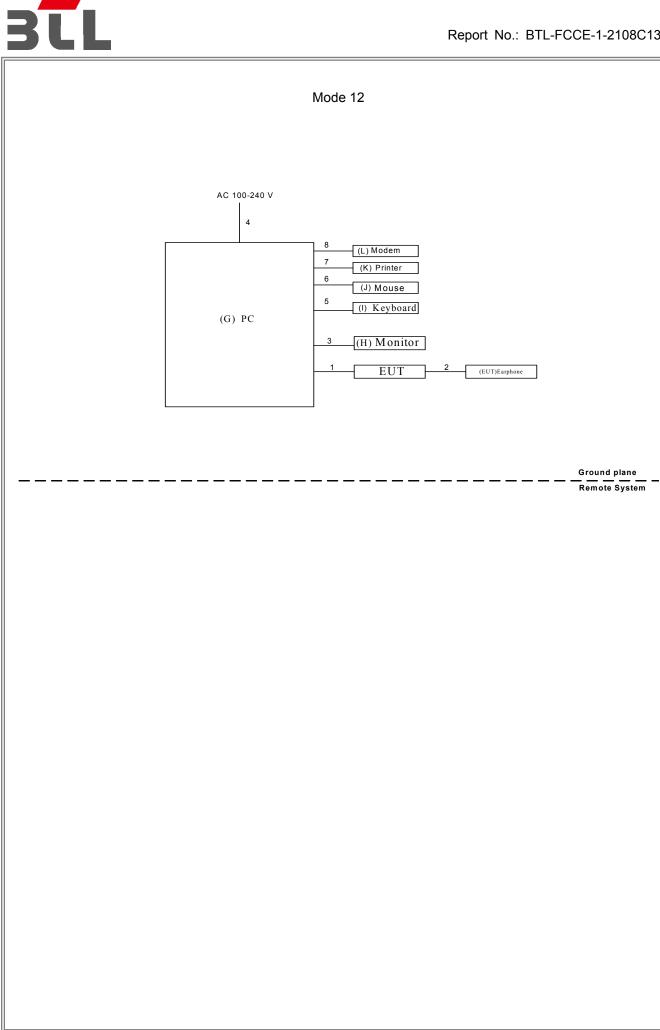
- 1. EUT connected to PC via USB cable.
- 2. Keyboard and mouse connected to PC via USB cable.
- 3. PC connected to monitor via D-SUB cable.
- 4. PC connected to printer via parallel cable.
- 5. PC connected to modem via RS232 cable.
- 6. EUT connected to Earphone via Earphone cable.

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Mode 1-11



Report No.: BTL-FCCE-1-2108C136





2.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Mfr/Brand | Model/Type No. | Series No. |
|------|--|-----------|-------------------------|----------------------|
| А | BT Earphone | MICROKIA | M9 | N/A |
| В | Wifi Router | ASUS | RT-AC66U | E8ICGG000138 |
| С | Wireless Communication Test SET | Agilent | (8960 Series) E5515C | MY48364183 |
| D | Wideband Radio Communication Tester | RS | CMW500 | 122125 |
| Е | Signal Generator | Agilent | E4438C | MY49071316 |
| F | FM STEREO FM-AM SIGNAL GENERATOR | KENWOOD | SG-5110 | HR1010099 |
| G | PC | Dell | DCSM | G7K832X |
| Н | Monitor | PHILIPS | 241P6V | 824266A2D010R |
| I | Keyboard | Dell | L100 | CNORH6596589071T08NE |
| J | Mouse | Dell | MO56UOA | FQJ000BS |
| К | Printer | SII | DPU-414 | 0603002131 |
| L | Modem | ACEEX | DM-1414V | 3018507 B |

| Item | Cable Type | Shielded Type | Ferrite Core | Length |
|------|----------------|---------------|--------------|--------|
| 1 | USB Cable | YES | NO | 1m |
| 2 | Earphone Cable | NO | NO | 1m |
| 3 | HDMI Cable | YES | NO | 1.8m |
| 4 | AC Cable | NO | NO | 1.8m |
| 5 | USB Cable | YES | NO | 1.8m |
| 6 | USB Cable | YES | NO | 1.8m |
| 7 | Parallel Cable | YES | NO | 1.8m |
| 8 | RS232 Cable | YES | NO | 1.8m |



3. EMC EMISSION TEST

3.1 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1.1 LIMIT

| Frequency of Emission (MHz) | Class B (dBuV) | | | |
|------------------------------|----------------|-----------|--|--|
| Frequency of Emission (Minz) | Quasi-peak | Average | | |
| 0.15 - 0.5 | 66 - 56 * | 56 - 46 * | | |
| 0.5 - 5.0 | 56.00 | 46.00 | | |
| 5.0 - 30.0 | 60.00 | 50.00 | | |

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use) Margin Level = Measurement Value - Limit Value

3.1.2 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-----------------------------|--------------|--------------------------|------------|------------------|
| 1 | TWO-LINE V-NETWORK | R&S | ENV216 | 100526 | Mar. 01, 2021 |
| 2 | EMI Test Receiver | R&S | ESR3 | 101862 | Jul. 25, 2021 |
| 3 | Artificial-Mains Network | SCHWARZBECK | NSLK 8127 | 8127685 | Mar. 01, 2021 |
| 4 | Cable | N/A | RG400 | N/A(12m) | Mar. 10, 2021 |
| 5 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.



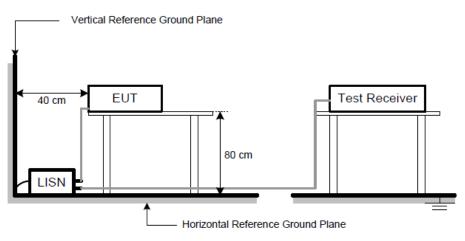
3.1.3 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.
- f. Measuring frequency range from 150KHz to 30MHz.

3.1.4 DEVIATION FROM TEST STANDARD

No deviation

3.1.5 TEST SETUP

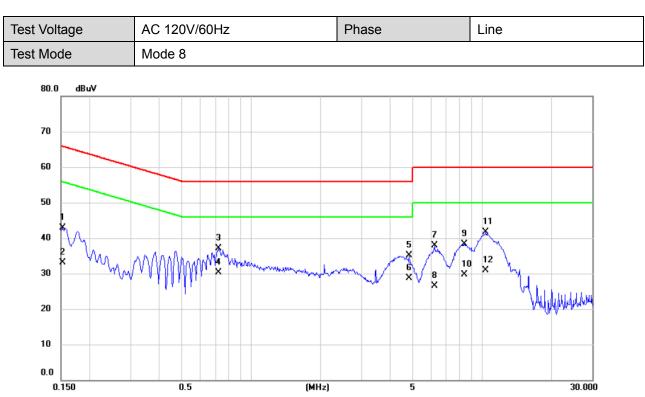


3.1.6 TEST RESULTS

Remark:

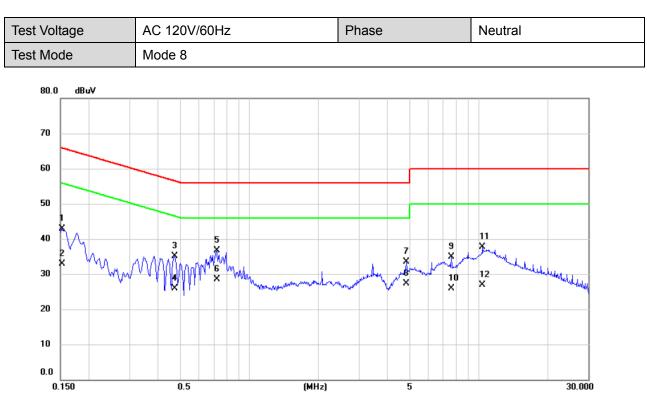
- (1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9 kHz; SPA setting in RBW=10 kHz, VBW =10 kHz, Swp. Time = 0.3 sec./MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10 kHz, VBW=10 kHz, Swp. Time =0.3 sec./MHz.
- (2) All readings are QP Mode value unless otherwise stated AVG in column of "Note]. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.





| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-----|-----|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | | 0.1522 | 33.27 | 9.65 | 42.92 | 65.88 | -22.96 | QP | |
| 2 | | 0.1522 | 23.40 | 9.65 | 33.05 | 55.88 | -22.83 | AVG | |
| 3 | | 0.7215 | 27.47 | 9.70 | 37.17 | 56.00 | -18.83 | QP | |
| 4 | * | 0.7215 | 20.60 | 9.70 | 30.30 | 46.00 | -15.70 | AVG | |
| 5 | | 4.8390 | 25.04 | 9.98 | 35.02 | 56.00 | -20.98 | QP | |
| 6 | | 4.8390 | 18.70 | 9.98 | 28.68 | 46.00 | -17.32 | AVG | |
| 7 | | 6.2183 | 27.93 | 10.05 | 37.98 | 60.00 | -22.02 | QP | |
| 8 | | 6.2183 | 16.40 | 10.05 | 26.45 | 50.00 | -23.55 | AVG | |
| 9 | | 8.3918 | 28.21 | 10.14 | 38.35 | 60.00 | -21.65 | QP | |
| 10 | | 8.3918 | 19.60 | 10.14 | 29.74 | 50.00 | -20.26 | AVG | |
| 11 | | 10.3673 | 31.39 | 10.23 | 41.62 | 60.00 | -18.38 | QP | |
| 12 | | 10.3673 | 20.60 | 10.23 | 30.83 | 50.00 | -19.17 | AVG | |





| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-----|-----|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | | 0.1522 | 33.15 | 9.66 | 42.81 | 65.88 | -23.07 | QP | |
| 2 | | 0.1522 | 23.30 | 9.66 | 32.96 | 55.88 | -22.92 | AVG | |
| 3 | | 0.4717 | 25.35 | 9.68 | 35.03 | 56.48 | -21.45 | QP | |
| 4 | | 0.4717 | 16.30 | 9.68 | 25.98 | 46.48 | -20.50 | AVG | |
| 5 | | 0.7215 | 26.92 | 9.70 | 36.62 | 56.00 | -19.38 | QP | |
| 6 | * | 0.7215 | 18.90 | 9.70 | 28.60 | 46.00 | -17.40 | AVG | |
| 7 | | 4.8323 | 23.55 | 9.98 | 33.53 | 56.00 | -22.47 | QP | |
| 8 | | 4.8323 | 17.40 | 9.98 | 27.38 | 46.00 | -18.62 | AVG | |
| 9 | | 7.5953 | 24.86 | 10.12 | 34.98 | 60.00 | -25.02 | QP | |
| 10 | | 7.5953 | 15.80 | 10.12 | 25.92 | 50.00 | -24.08 | AVG | |
| 11 | | 10.3515 | 27.39 | 10.26 | 37.65 | 60.00 | -22.35 | QP | |
| 12 | | 10.3515 | 16.60 | 10.26 | 26.86 | 50.00 | -23.14 | AVG | |



3.2 RADIATED EMISSIONS 30 MHZ TO 1 GHZ

3.2.1 LIMIT

| | Class B (at 3m) | | | | |
|-----------------|--------------------------|----------------------------|--|--|--|
| Frequency (MHz) | (uV/m) Field strength | (dBuV/m) Field strength | | | |
| 30 - 88 | 100 | 40 | | | |
| 88 - 216 | 150 | 43.5 | | | |
| 216 - 960 | 200 | 46 | | | |
| Above 960 | 500 | 54 | | | |

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m) = 20log Emission level (uV/m). 3m Emission level = 10m Emission level + 20log(10m/3m).
- (3) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use) Margin Level = Measurement Value - Limit Value

3.2.2 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|-----------------------------|--------------|-----------------------------------|------------|------------------|
| 1 | Amplifier | HP | 8447D | 1937A02847 | Feb. 28, 2022 |
| 2 | Cable | emci | LMR-400(30MHz-1GHz) (10m+2.5m) | N/A | Jun. 01, 2022 |
| 3 | Cable | mitron | RWLP50-4.0A-KJ-SMSM- 12M | N/A | Nov. 23, 2021 |
| 4 | Controller | MF | MF-7802BS | N/A | N/A |
| 5 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |
| 6 | EMI Test Receiver | Keysight | N9038A | MY56400060 | Feb. 28, 2022 |
| 7 | Trilog-Broadband Antenna | Schwarzbeck | VULB9168 | 9168-806 | Aug. 28, 2021 |

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.

All calibration period of equipment list is one year.



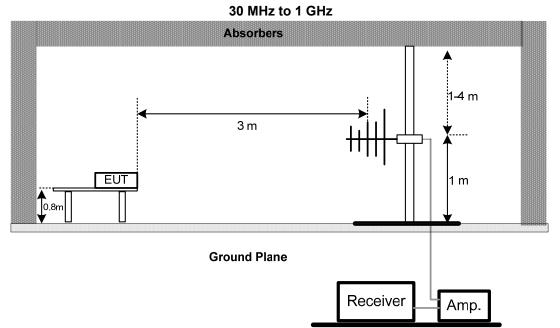
3.2.3 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The height of the equipment or of the substitution antenna shall be 0.8 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- d. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
- f. For the actual test configuration, please refer to the related Item Block Diagram of system tested.

3.2.4 DEVIATION FROM TEST STANDARD

No deviation

3.2.5 TEST SETUP

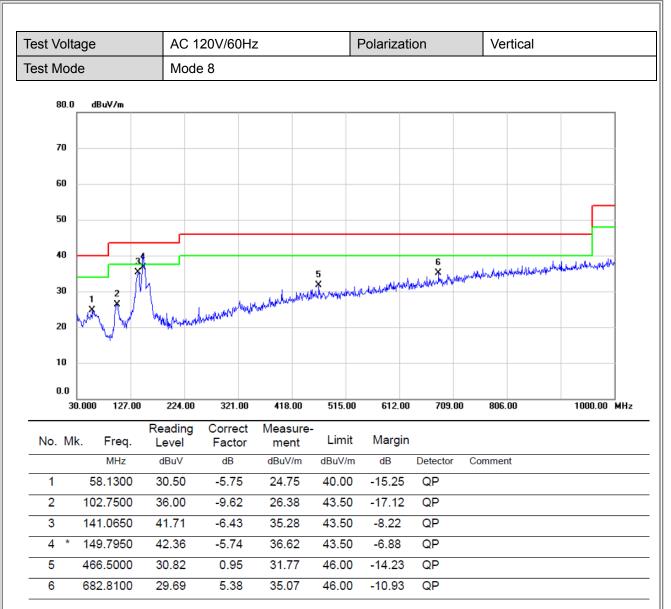


3.2.6 TEST RESULTS

Remark:

- (1) Measuring frequency range from 30 MHz to 1000 MHz
- (2) If the peak scan value lower limit more than 20 dB, then this signal data does not show in table.







5

6

*

322.9400

466.5000

39.56

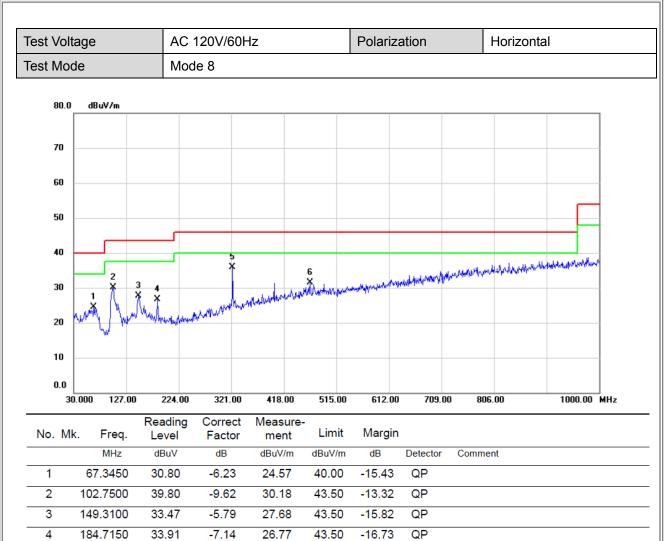
30.63

-3.56

0.95

36.00

31.58



-10.00

-14.42

QP

QP

46.00

46.00

3.3 RADIATED EMISSIONS ABOVE 1 GHZ

3.3.1 LIMIT

| Class B | | |
|------------------|-----------------|--|
| (dBuV/m) (at 3m) | | |
| Peak | Average | |
| 74 | 54 | |
| | (dBuV/r Peak | |

| Fraguanay | Cla | iss B |
|--------------------|---------|------------|
| Frequency (MHz) | (dBuV/n | n) (at 1m) |
| | Peak | Average |
| Above 18000 | 83.5 | 63.5 |

FREQUENCY RANGE OF RADIATED MEASUREMENT (FOR UNINTENTIONAL RADIATORS)

| Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz) | Range (MHz) |
|---|--|
| Below 1.705 | 30 |
| 1.705 - 108 | 1000 |
| 108 - 500 | 2000 |
| 500 - 1000 | 5000 |
| Above 1000 | 5 th harmonic of the highest frequency or 40 GHz, whichever is lower |

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m) = 20log Emission level (uV/m).
 3m Emission level = 10m Emission level + 20log(10m/3m).
- (3) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use) Margin Level = Measurement Value - Limit Value



3.3.2 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|---|--------------------------------------|---|------------------|------------------|
| 1 | Double Ridged Guide Antenna | ETS | 3115 | 75789 | May 10, 2022 |
| 2 | Amplifier | Agilent | 8449B | 3008A02334 | Feb. 27, 2022 |
| 3 | Cable | emci LMR-400(30MHz-1GHz) 0m+2.5m) | | N/A | Jun. 01, 2022 |
| 4 | Cable | mitron | RWLP50-4.0A-KJ-SMSM- 12M | N/A | Nov. 23, 2021 |
| 5 | Controller | MF | MF-7802BS | N/A | N/A |
| 6 | Measurement Software | Farad | EZ-EMC Ver.NB-03A1-01 | N/A | N/A |
| 7 | EMI Test Receiver | Keysight | N9038A | MY56400060 | Feb. 28, 2022 |
| 8 | Broad-Band Horn Antenna | Schwarzbeck | BBHA 9170 | 9170319 | Jun. 30, 2022 |
| 9 | Microwave Preamplifier With Adaptor | EMC INSTRUMENT | EMC2654045 | 980039 & HA01 | Feb. 28, 2022 |
| 10 | MXE EMI Receiver | Agilent | N9038A | MY53220133 | Feb. 28, 2022 |
| 11 | Cable | emci | SUCOFLEX 102_8m(0.01GHz- 40GHz) | N/A | Mar. 23, 2022 |
| 12 | Band Reject Filter | Wairrwright Instruments Gmbh | WRCG 2400/2483-2375/2505-50/ 10SS | 16 | Feb. 28, 2022 |
| 13 | Band Reject Filter | Micro-Tronics | BRC50704-01 | 8 | Feb. 27, 2022 |
| 14 | Band Reject Filter | Micro-Tronics | BRC50703-01 | 7 | Feb. 27, 2022 |
| 15 | Band Reject Filter | Micro-Tronics | BRC50705-01 | 10 | Feb. 27, 2022 |

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.

All calibration period of equipment list is one year.



3.3.3 TEST PROCEDURE

a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. Note:

For measurement of frequency 1GHz -18GHz, the EUT was set 3 meters away from the receiver antenna. For 18G – 40GHz, the EUT was set 1 meter.

Emission level (dBuV/m)=20log Emission level (uV/m).

The limits above 18GHz shall be extrapolated to the specified distance using an

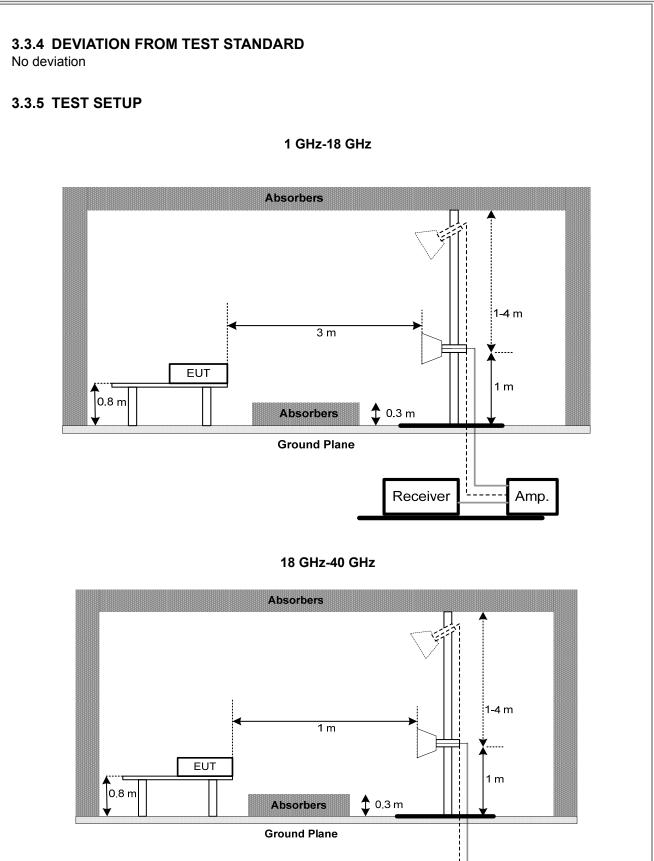
extrapolation factor of 20dB/decade from 3m to 1m

Distance extrapolation factor = 20 log (3m/1m) dB ;

Limit line = specific limits (dBuV) + 9.5 dB.

- b. The height of the equipment or of the substitution antenna shall be 0.8 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- d. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- f. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform.
- g. For the actual test configuration, please refer to the related Item Block Diagram of system tested.





Receiver

i_____

Amp.



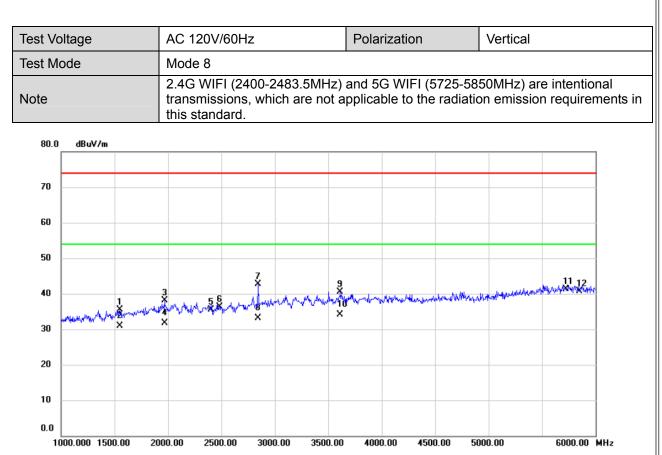
3.3.6 TEST RESULTS

Remark:

- (1) Radiated emissions measured in frequency range above 1000 MHz were made with an instrument using Peak detector mode and AV detector mode of the emission.
- (2) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
- (3) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.







| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-----|-----|----------|------------------|-------------------|------------------|--------|--------|----------|------------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 1547.500 | 38.44 | -3.03 | 35.41 | 74.00 | -38.59 | peak | |
| 2 | | 1547.500 | 33.88 | -3.03 | 30.85 | 54.00 | -23.15 | AVG | |
| 3 | | 1967.500 | 38.52 | -0.39 | 38.13 | 74.00 | -35.87 | peak | |
| 4 | | 1967.500 | 32.11 | -0.39 | 31.72 | 54.00 | -22.28 | AVG | |
| 5 | | 2400.000 | 35.50 | -0.02 | 35.48 | 74.00 | -38.52 | peak | add filter |
| 6 | | 2483.500 | 36.27 | 0.02 | 36.29 | 74.00 | -37.71 | peak | add filter |
| 7 | | 2842.500 | 41.14 | 1.55 | 42.69 | 74.00 | -31.31 | peak | |
| 8 | | 2842.500 | 31.54 | 1.55 | 33.09 | 54.00 | -20.91 | AVG | |
| 9 | | 3612.500 | 36.58 | 3.91 | 40.49 | 74.00 | -33.51 | peak | |
| 10 | * | 3612.500 | 30.25 | 3.91 | 34.16 | 54.00 | -19.84 | AVG | |
| 11 | | 5725.000 | 31.75 | 9.60 | 41.35 | 74.00 | -32.65 | peak | add filter |
| 12 | | 5850.000 | 30.80 | 9.96 | 40.76 | 74.00 | -33.24 | peak | add filter |





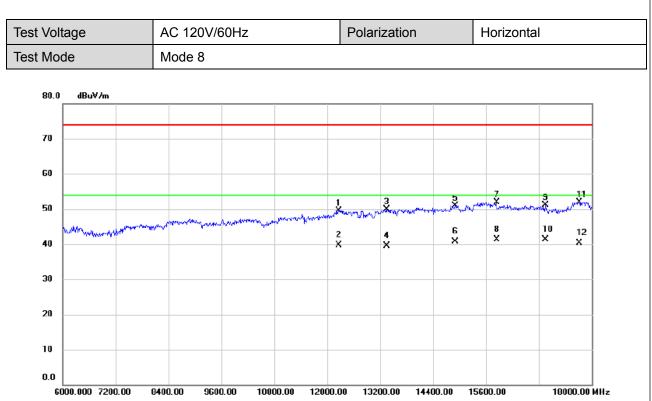
| 5 | | AC 1 | 20V/60H | z | | Polariza | ation | | Horizonta | al |
|---|---|---|--|---|---|--|---|------------------|-------------|--------------------------------|
| st Mod | de | Mod | e 8 | | | | | | | |
| ote | | trans | | | | | | | | e intentional n requirement |
| 80.0 | dBu∀/m | | i | i | | | | | | |
| 70 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 40 | North Martin Martin | | Uning to me | 5 1,41,141,141 6 X | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | www. | × X | twontherest | vare have the |
| 30 | | × | | | | | | | | |
| 20 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 0.0 10 | 000.000 1500.00 | 2000.00 | 2500.00 | | 3500.00 | | | | | 6000.00 MHz |
| | | 2000.00 | 2500.00 | 3000.00 | 3300.00 | 4000.00 | D 4500. | .00 500 | JU. UU | 0000.00 0112 |
| No. M | | Reading Level | Correct Factor | Measure- ment | Limit | 4000.00 Margin | 0 4500. | .00 500 | 10.00 | |
| No. M | k. Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | .00 500 Comme | | 0000.00 MH2 |
| 1 | k. Freq. MHz 1965.000 | Reading Level dBuV 37.56 | Correct Factor dB -0.41 | Measure- ment dBuV/m 37.15 | Limit dBuV/m 74.00 | Margin dB -36.85 | Detector peak | | | |
| 1 2 | k. Freq. MHz 1965.000 1965.000 | Reading Level dBuV 37.56 32.00 | Correct Factor dB -0.41 -0.41 | Measure- ment dBuV/m 37.15 31.59 | Limit dBuV/m 74.00 54.00 | Margin dB -36.85 -22.41 | Detector peak AVG | Comme | | |
| 1 2 3 | k. Freq. MHz 1965.000 1965.000 2400.000 | Reading Level dBuV 37.56 32.00 35.46 | Correct Factor dB -0.41 -0.41 -0.02 | Measure- ment dBuV/m 37.15 31.59 35.44 | Limit dBuV/m 74.00 54.00 74.00 | Margin dB -36.85 -22.41 -38.56 | Detector peak AVG peak | Comme | | |
| 1 2 3 4 | k. Freq. MHz 1965.000 1965.000 2400.000 2483.500 | Reading Level 37.56 32.00 35.46 35.82 | Correct Factor dB -0.41 -0.41 -0.02 0.02 | Measure- ment dBuV/m 37.15 31.59 35.44 35.84 | Limit dBuV/m 74.00 54.00 74.00 74.00 | Margin dB -36.85 -22.41 -38.56 -38.16 | Detector peak AVG peak peak | Comme | | |
| 1 2 3 4 5 | k. Freq. MHz 1965.000 2400.000 2483.500 3105.000 | Reading Level 37.56 32.00 35.46 35.82 36.89 | Correct Factor dB -0.41 -0.41 -0.02 0.02 2.54 | Measure- ment dBuV/m 37.15 31.59 35.44 35.84 39.43 | Limit dBuV/m 74.00 54.00 74.00 74.00 74.00 | Margin dB -36.85 -22.41 -38.56 -38.16 -34.57 | Detector peak AVG peak peak peak | Comme | | |
| 1 2 3 4 5 6 | k. Freq. MHz 1965.000 2400.000 2483.500 3105.000 3105.000 | Reading Level 37.56 32.00 35.46 35.82 36.89 30.54 | Correct Factor dB -0.41 -0.41 -0.02 0.02 2.54 2.54 | Measure- ment dBuV/m 37.15 31.59 35.44 35.84 39.43 33.08 | Limit dBuV/m 74.00 54.00 74.00 74.00 74.00 54.00 | Margin dB -36.85 -22.41 -38.56 -38.16 -34.57 -20.92 | Detector peak AVG peak peak peak AVG | Comme | | |
| 1 2 3 4 5 6 7 | k. Freq. MHz 1965.000 2400.000 2483.500 3105.000 3105.000 3622.500 | Reading Level 37.56 32.00 35.46 35.82 36.89 30.54 36.39 | Correct Factor dB -0.41 -0.41 -0.02 0.02 2.54 2.54 3.94 | Measure- ment dBuV/m 37.15 31.59 35.44 35.84 39.43 33.08 40.33 | Limit dBuV/m 74.00 54.00 74.00 74.00 74.00 54.00 74.00 | Margin dB -36.85 -22.41 -38.56 -38.16 -34.57 -20.92 -33.67 | Detector peak AVG peak peak peak AVG | Comme | | |
| 1 2 3 4 5 6 7 8 | k. Freq. MHz 1965.000 2400.000 2483.500 3105.000 3622.500 3622.500 | Reading Level 37.56 32.00 35.46 35.82 36.89 30.54 36.39 30.84 | Correct Factor dB -0.41 -0.41 -0.02 0.02 2.54 2.54 3.94 | Measure- ment dBuV/m 37.15 31.59 35.44 35.84 39.43 33.08 40.33 34.78 | Limit dBuV/m 74.00 54.00 74.00 74.00 74.00 54.00 54.00 | Margin dB -36.85 -22.41 -38.56 -38.16 -34.57 -20.92 -33.67 -19.22 | Detector peak AVG peak peak AVG peak AVG | Comme | | |
| 1 2 3 4 5 6 7 8 9 | k. Freq. MHz 1965.000 2400.000 2483.500 3105.000 3105.000 3622.500 3622.500 4625.000 | Reading Level 37.56 32.00 35.46 35.82 36.89 30.54 36.39 30.84 35.06 | Correct Factor dB -0.41 -0.41 -0.02 0.02 2.54 2.54 3.94 3.94 5.76 | Measure- ment dBuV/m 37.15 31.59 35.44 35.84 39.43 33.08 40.33 34.78 40.82 | Limit dBuV/m 74.00 54.00 74.00 74.00 54.00 74.00 54.00 54.00 | Margin dB -36.85 -22.41 -38.56 -38.16 -34.57 -20.92 -33.67 -19.22 -33.18 | Detector peak AVG peak peak AVG peak AVG | Comme | | |
| 2 3 4 5 6 7 8 | k. Freq. MHz 1965.000 2400.000 2483.500 3105.000 3622.500 3622.500 | Reading Level 37.56 32.00 35.46 35.82 36.89 30.54 36.39 30.84 | Correct Factor dB -0.41 -0.41 -0.02 0.02 2.54 2.54 3.94 | Measure- ment dBuV/m 37.15 31.59 35.44 35.84 39.43 33.08 40.33 34.78 | Limit dBuV/m 74.00 54.00 74.00 74.00 74.00 54.00 54.00 | Margin dB -36.85 -22.41 -38.56 -38.16 -34.57 -20.92 -33.67 -19.22 | Detector peak AVG peak peak AVG peak AVG | Comme | ent | |



| st Voltage | A | C 120V/6 | 0Hz | | Polar | ization | | Vertical | | |
|-----------------------|-------------------|--|-----------------|-----------------------|-----------|-------------|---------------------|----------|-------------|---------|
| st Mode | Ν | /lode 8 | | | | | | | | |
| 80.0 dBuV/m | | | | | | | | | | 1 |
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| 60 | | | | | | | | | | |
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| 0.0 6000.000 7200. | 00 840 | 00.00 960 | 0.00 10 | 800.00 120 | 00.00 132 | 200.00 1 | 4400.00 | 15600.00 | 18000.00 | MHz |
| No. Mk. Freq. | Readi Leve | | | sure- ent Lir | nit Mar | ain | | | | |

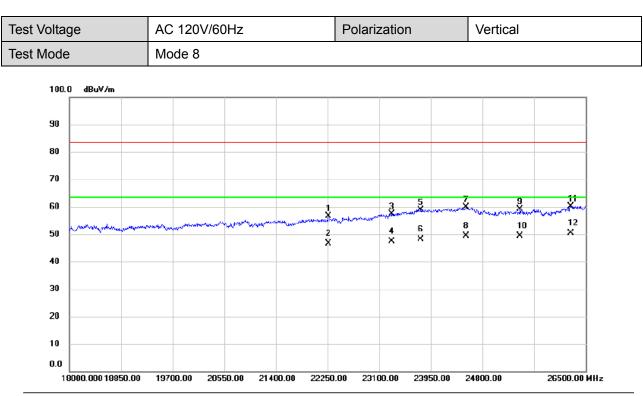
| No. | Mk. | Freq. | Level | Factor | ment | Limit | Margin | | |
|-----|-----|----------|-------|--------|--------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 12252.00 | 30.71 | 17.69 | 48.40 | 74.00 | -25.60 | peak | |
| 2 | | 12252.00 | 20.56 | 17.69 | 38.25 | 54.00 | -15.75 | AVG | |
| 3 | | 13488.00 | 30.70 | 18.73 | 49.43 | 74.00 | -24.57 | peak | |
| 4 | | 13488.00 | 20.59 | 18.73 | 39.32 | 54.00 | -14.68 | AVG | |
| 5 | | 14736.00 | 29.07 | 20.52 | 49.59 | 74.00 | -24.41 | peak | |
| 6 | | 14736.00 | 19.10 | 20.52 | 39.62 | 54.00 | -14.38 | AVG | |
| 7 | | 15900.00 | 32.35 | 17.70 | 50.05 | 74.00 | -23.95 | peak | |
| 8 | | 15900.00 | 22.56 | 17.70 | 40.26 | 54.00 | -13.74 | AVG | |
| 9 | | 16920.00 | 31.91 | 19.61 | 51.52 | 74.00 | -22.48 | peak | |
| 10 | | 16920.00 | 21.65 | 19.61 | 41.26 | 54.00 | -12.74 | AVG | |
| 11 | | 17964.00 | 29.62 | 22.75 | 52.37 | 74.00 | -21.63 | peak | |
| 12 | * | 17964.00 | 19.57 | 22.75 | 42.32 | 54.00 | -11.68 | AVG | |





| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-----|-----|----------|------------------|-------------------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 12264.00 | 31.88 | 17.67 | 49.55 | 74.00 | -24.45 | peak | |
| 2 | | 12264.00 | 21.95 | 17.67 | 39.62 | 54.00 | -14.38 | AVG | |
| 3 | | 13344.00 | 31.13 | 18.75 | 49.88 | 74.00 | -24.12 | peak | |
| 4 | | 13344.00 | 20.77 | 18.75 | 39.52 | 54.00 | -14.48 | AVG | |
| 5 | | 14904.00 | 30.74 | 20.24 | 50.98 | 74.00 | -23.02 | peak | |
| 6 | | 14904.00 | 20.38 | 20.24 | 40.62 | 54.00 | -13.38 | AVG | |
| 7 | | 15840.00 | 34.23 | 17.67 | 51.90 | 74.00 | -22.10 | peak | |
| 8 | * | 15840.00 | 23.59 | 17.67 | 41.26 | 54.00 | -12.74 | AVG | |
| 9 | | 16944.00 | 31.45 | 19.67 | 51.12 | 74.00 | -22.88 | peak | |
| 10 | | 16944.00 | 21.58 | 19.67 | 41.25 | 54.00 | -12.75 | AVG | |
| 11 | | 17724.00 | 30.01 | 21.93 | 51.94 | 74.00 | -22.06 | peak | |
| 12 | | 17724.00 | 18.39 | 21.93 | 40.32 | 54.00 | -13.68 | AVG | |



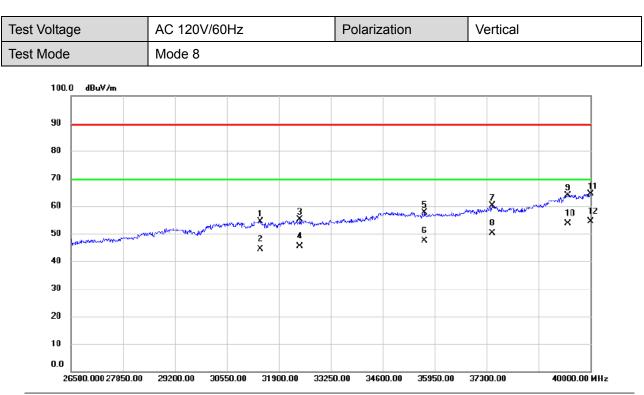


| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-----|----|----------|------------------|-------------------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 22267.00 | 31.23 | 25.39 | 56.62 | 83.50 | -26.88 | peak | |
| 2 | | 22267.00 | 21.23 | 25.39 | 46.62 | 63.50 | -16.88 | AVG | |
| 3 | | 23312.50 | 28.35 | 29.10 | 57.45 | 83.50 | -26.05 | peak | |
| 4 | | 23312.50 | 18.16 | 29.10 | 47.26 | 63.50 | -16.24 | AVG | |
| 5 | | 23788.50 | 30.60 | 28.35 | 58.95 | 83.50 | -24.55 | peak | |
| 6 | | 23788.50 | 19.90 | 28.35 | 48.25 | 63.50 | -15.25 | AVG | |
| 7 | | 24528.00 | 32.43 | 27.52 | 59.95 | 83.50 | -23.55 | peak | |
| 8 | | 24528.00 | 21.80 | 27.52 | 49.32 | 63.50 | -14.18 | AVG | |
| 9 | | 25420.50 | 32.07 | 26.99 | 59.06 | 83.50 | -24.44 | peak | |
| 10 | | 25420.50 | 22.33 | 26.99 | 49.32 | 63.50 | -14.18 | AVG | |
| 11 | | 26253.50 | 32.55 | 27.66 | 60.21 | 83.50 | -23.29 | peak | |
| 12 | * | 26253.50 | 22.60 | 27.66 | 50.26 | 63.50 | -13.24 | AVG | |



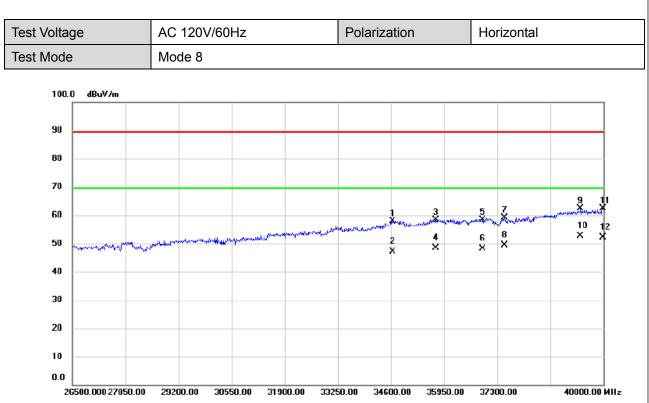
| est V | oltage | AC | 120V/60H | Hz | | Polariza | ation | | Horizonta | al |
|---------------------------------|--|---|--|--|---|--|---|--------|-------------|--------------|
| est M | lode | Мо | de 8 | | | | | | | |
| 100 | .0 dBuV/m | | | | | | | | | |
| | | | | | | | | | | |
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| 70 | | | | | | | | | | |
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| 0.0 | | | | | | | | | | |
| 1 | 8000.000 18850.00 | 19700.0 | 0 20550.00 | 0 21400.00 Measure- | 22250.00 |) 23100.0 |)0 23950.0 | JU 248 | 00.00 | 26500.00 MI |
| No. M | | Reading Level | Factor | ment | Limit | Margin | | | | |
| | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comme | nt | |
| 1 | 21833.50 | 31.08 | 26.14 | 57.22 | 83.50 | 00.00 | maale | | | |
| ·) | 04000 50 | | | | | -26.28 | peak | | | |
| 2 | 21833.50 | 20.86 | 26.14 | 47.00 | 63.50 | -16.50 | AVG | | | |
| 3 | 23066.00 | 20.86 29.48 | 26.14 28.97 | 47.00 58.45 | 63.50 83.50 | -16.50 -25.05 | AVG peak | | | |
| 3 | 0 | 20.86 | 26.14 | 47.00 | 63.50 | -16.50 | AVG | | | |
| 3 4 | 23066.00 23066.00 | 20.86 29.48 19.35 | 26.14 28.97 28.97 | 47.00 58.45 48.32 | 63.50 83.50 63.50 | -16.50 -25.05 -15.18 | AVG peak AVG | | | |
| 3 4 5 | 23066.00 23066.00 24494.00 24494.00 | 20.86 29.48 19.35 32.30 | 26.14 28.97 28.97 27.57 | 47.00 58.45 48.32 59.87 | 63.50 83.50 63.50 83.50 | -16.50 -25.05 -15.18 -23.63 | AVG peak AVG peak | | | |
| 3 4 5 6 7 8 | 23066.00 23066.00 24494.00 24494.00 25055.00 25055.00 | 20.86 29.48 19.35 32.30 21.68 33.80 23.46 | 26.14 28.97 28.97 27.57 27.57 26.69 26.69 | 47.00 58.45 48.32 59.87 49.25 60.49 50.15 | 63.50 83.50 63.50 83.50 63.50 83.50 63.50 | -16.50 -25.05 -15.18 -23.63 -14.25 -23.01 -13.35 | AVG peak AVG peak AVG | | | |
| 3 4 5 6 7 8 9 | 23066.00 23066.00 24494.00 24494.00 25055.00 25055.00 26177.00 | 20.86 29.48 19.35 32.30 21.68 33.80 23.46 32.62 | 26.14 28.97 27.57 27.57 26.69 26.69 28.07 | 47.00 58.45 48.32 59.87 49.25 60.49 50.15 60.69 | 63.50 83.50 63.50 63.50 63.50 83.50 63.50 83.50 | -16.50 -25.05 -15.18 -23.63 -14.25 -23.01 -13.35 -22.81 | AVG peak AVG peak AVG peak AVG peak | | | |
| 3 4 5 6 7 8 9 | 23066.00 23066.00 24494.00 24494.00 25055.00 25055.00 26177.00 26177.00 | 20.86 29.48 19.35 32.30 21.68 33.80 23.46 32.62 22.25 | 26.14 28.97 27.57 27.57 26.69 26.69 28.07 28.07 | 47.00 58.45 48.32 59.87 49.25 60.49 50.15 60.69 50.32 | 63.50 83.50 63.50 63.50 63.50 63.50 83.50 83.50 63.50 | -16.50 -25.05 -15.18 -23.63 -14.25 -23.01 -13.35 -22.81 -13.18 | AVG peak AVG peak AVG peak AVG peak AVG | | | |
| 3 4 5 6 7 8 9 | 23066.00 23066.00 24494.00 24494.00 25055.00 25055.00 26177.00 26177.00 26474.50 | 20.86 29.48 19.35 32.30 21.68 33.80 23.46 32.62 | 26.14 28.97 27.57 27.57 26.69 26.69 28.07 | 47.00 58.45 48.32 59.87 49.25 60.49 50.15 60.69 | 63.50 83.50 63.50 63.50 63.50 83.50 63.50 83.50 | -16.50 -25.05 -15.18 -23.63 -14.25 -23.01 -13.35 -22.81 | AVG peak AVG peak AVG peak AVG peak | | | |





| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-----|----|----------|------------------|-------------------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 31414.00 | 45.49 | 9.00 | 54.49 | 89.50 | -35.01 | peak | |
| 2 | | 31414.00 | 35.26 | 9.00 | 44.26 | 69.50 | -25.24 | AVG | |
| 3 | | 32453.50 | 45.81 | 9.20 | 55.01 | 89.50 | -34.49 | peak | |
| 4 | | 32453.50 | 36.12 | 9.20 | 45.32 | 69.50 | -24.18 | AVG | |
| 5 | | 35693.50 | 46.55 | 11.20 | 57.75 | 89.50 | -31.75 | peak | |
| 6 | | 35693.50 | 36.06 | 11.20 | 47.26 | 69.50 | -22.24 | AVG | |
| 7 | | 37448.50 | 49.23 | 10.95 | 60.18 | 89.50 | -29.32 | peak | |
| 8 | | 37448.50 | 39.20 | 10.95 | 50.15 | 69.50 | -19.35 | AVG | |
| 9 | | 39419.50 | 47.76 | 16.13 | 63.89 | 89.50 | -25.61 | peak | |
| 10 | | 39419.50 | 37.49 | 16.13 | 53.62 | 69.50 | -15.88 | AVG | |
| 11 | | 40000.00 | 46.78 | 17.60 | 64.38 | 89.50 | -25.12 | peak | |
| 12 | * | 40000.00 | 36.72 | 17.60 | 54.32 | 69.50 | -15.18 | AVG | |





| No. | Mk | . Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | |
|-----|----|----------|------------------|-------------------|------------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 34640.50 | 46.86 | 11.08 | 57.94 | 89.50 | -31.56 | peak | |
| 2 | | 34640.50 | 36.17 | 11.08 | 47.25 | 69.50 | -22.25 | AVG | |
| 3 | | 35734.00 | 47.29 | 11.20 | 58.49 | 89.50 | -31.01 | peak | |
| 4 | | 35734.00 | 37.12 | 11.20 | 48.32 | 69.50 | -21.18 | AVG | |
| 5 | | 36922.00 | 47.54 | 10.86 | 58.40 | 89.50 | -31.10 | peak | |
| 6 | | 36922.00 | 37.39 | 10.86 | 48.25 | 69.50 | -21.25 | AVG | |
| 7 | | 37489.00 | 48.14 | 10.95 | 59.09 | 89.50 | -30.41 | peak | |
| 8 | | 37489.00 | 38.37 | 10.95 | 49.32 | 69.50 | -20.18 | AVG | |
| 9 | | 39419.50 | 46.25 | 16.13 | 62.38 | 89.50 | -27.12 | peak | |
| 10 | * | 39419.50 | 36.49 | 16.13 | 52.62 | 69.50 | -16.88 | AVG | |
| 11 | | 39986.50 | 44.91 | 17.56 | 62.47 | 89.50 | -27.03 | peak | |
| 12 | | 39986.50 | 34.59 | 17.56 | 52.15 | 69.50 | -17.35 | AVG | |