



### **TEST REPORT**

| Applicant | New Bright Industrial Co Ltd                                      |
|-----------|---|
| Address   | New Bright Bldg 11 Sheung Yuet Road Kowloon Bay Kowloon Hong Kong |

| Manufacturer or<br>Supplier         | New Bright Industrial Co Ltd                                      |
|-------------------------------------|---|
| Address                             | New Bright Bldg 11 Sheung Yuet Road Kowloon Bay Kowloon Hong Kong |
| Product                             | Battery Charger   |
| Brand Name                          | N/A   |
| Model                               | SGC1208500CU  |
| Additional Model & Model Difference | N/A   |
| Date of tests                       | Nov. 05, 2018 ~ Nov. 28, 2018                                     |

The submitted sample of the above equipment has been tested for according to the requirements of the following standards:

#### 

#### CONCLUSION: The submitted sample was found to COMPLY with the test requirement

| Tested by Ryan Lu                 | Approved by Breeze Jiang         |
|-----------------------------------|----------------------------------|
| Project Engineer / EMC Department | Senior Engineer / EMC Department |
|                                   |                                  |

Date: Nov. 28, 2018

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# **Table of Contents**

| RELE                    | ASE CONTROL RECORD   | 3        |
|-------------------------|--|----------|
| 1<br>1.1                | SUMMARY OF TEST RESULTS MEASUREMENT UNCERTAINTY  |          |
| 2<br>2.1<br>2.2<br>2.3  | GENERAL INFORMATION  GENERAL DESCRIPTION OF EUT  DESCRIPTION OF TEST MODES  DESCRIPTION OF SUPPORT UNITS | 5<br>5   |
| 3<br>3.1                | EMISSION TEST CONDUCTED EMISSION MEASUREMENT   | 6<br>6   |
| 3.1.1<br>3.1.2<br>3.1.3 | LIMITS OF CONDUCTED EMISSION MEASUREMENT TEST INSTRUMENTS TEST PROCEDURE                                 | 6<br>7   |
| 3.1.4<br>3.1.5<br>3.1.6 | DEVIATION FROM TEST STANDARD TEST SETUP EUT OPERATING CONDITIONS   | 8        |
| 3.1.7<br>3.2<br>3.2.1   | TEST RESULTSRADIATED EMISSION MEASUREMENTLIMITS OF RADIATED EMISSION MEASUREMENT                         | 9<br>11  |
| 3.2.2<br>3.2.3          | TEST INSTRUMENTSTEST PROCEDURE   | 13<br>14 |
| 3.2.4<br>3.2.5<br>3.2.6 | DEVIATION FROM TEST STANDARD TEST SETUP EUT OPERATING CONDITIONS   | 16<br>16 |
| 3.2.7                   | TEST RESULTS  APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB         |          |



## **RELEASE CONTROL RECORD**

| ISSUE NO.    | REASON FOR CHANGE | DATE ISSUED   |
|--------------|-------------------|---------------|
| FS181105N013 | Original release  | Nov. 28, 2018 |

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#### **SUMMARY OF TEST RESULTS**

The EUT has been tested according to the following specifications:

| APPLIED STANDARD: FCC Part 15, Subpart B |   |        |   |  |  |  |
|--|---|--------|---|--|--|--|
| Standard Section                         | Test Item                                   | Result | Remark  |  |  |  |
| FCC Part 15,<br>Subpart B, Class B       | Conducted test                              |        | Meets limits minimum S passing margin is -27.41 dB at 0.33440 MHz |  |  |  |
|  | Rsssadiated Emission<br>Test (30MHz ~ 1GHz) | PASS   | Meets limits minimum passing margin is -13.16 dB at 37.615 MHz    |  |  |  |

#### 1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

| MEASUREMENT             | FREQUENCY       | UNCERTAINTY |  |  |
|-------------------------|-----------------|-------------|--|--|
| Conducted emission test | 0.15MHz ~ 30MHz | +/-2.70 dB  |  |  |
| Radiated emissions test | 30MHz ~ 1GHz    | +/-4.04 dB  |  |  |



#### 2 GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

| PRODUCT                         | Battery Charger  |  |  |
|---------------------------------|--|--|--|
| MODEL NO.                       | SGC1208500CU   |  |  |
| ADDITIONAL MODELS               | N/A  |  |  |
| FCC ID                          | G6D96VA  |  |  |
| POWER SUPPLY                    | For charger: Input:AC 120V, 60Hz, 10W; Output: DC 9.6V,500mA For battery: 500mAh Input: DC 9.6V from charger Output: DC 9.6V |  |  |
| CABLE SUPPLIED                  | N/A  |  |  |
| THE HIGHEST OPERATING FREQUENCY | Below 108MHz   |  |  |

#### NOTE:

- 1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 2. For the test results, the EUT had been tested with all conditions. But only the worst case was showed in test report.
- 3. Please refer to the EUT photo document (Reference No.: 181105N013) for detailed product photo.

#### 2.2 DESCRIPTION OF TEST MODES

The EUT was tested under the Charging (DC 9.6V 500mA) mode for all tests.

#### 2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit without any other necessary accessories or support units.



#### **EMISSION TEST**

#### CONDUCTED EMISSION MEASUREMENT

#### 3.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart B (Section: 15.107)

| EDECLIENCY (MU-) | Class A            | (dBuV) | Class B (dBuV) |         |  |  |  |  |
|------------------|--------------------|--------|----------------|---------|--|--|--|--|
| FREQUENCY (MHz)  | Quasi-peak Average |        | Quasi-peak     | Average |  |  |  |  |
| 0.15 - 0.5       | 79                 | 66     | 66 - 56        | 56 - 46 |  |  |  |  |
| 0.50 - 5.0       | 73                 | 60     | 56             | 46      |  |  |  |  |
| 5.0 - 30.0       | 73                 | 60     | 60             | 50      |  |  |  |  |

- **NOTES**: (1) The lower limit shall apply at the transition frequencies.
  - (2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
  - (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

#### 3.1.2 TEST INSTRUMENTS

| Equipment                | Manufacturer  | Model No.           | Serial No.  | Last Cal.  | Next Cal.  |
|--------------------------|---------------|---------------------|-------------|------------|------------|
| EMI Test Receiver        | Rohde&Schwarz | ESR7                | 101494      | Mar. 21,18 | Mar. 20,19 |
| Artificial Mains Network | Rohde&Schwarz | ENV216              | 101173      | Mar. 03,18 | Mar. 02,19 |
| Artificial Mains Network | Rohde&Schwarz | ESH3-Z5             | 100317      | Apr. 11,18 | Apr. 10,19 |
| Voltage probe            | SCHWARZBECK   | TK 9421             | TK 9421-176 | Jan. 17,18 | Jan. 16,19 |
| Test software            | ADT           | ADT_Cond<br>_V7.3.7 | N/A         | N/A        | N/A        |

- **NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
  - 2. The test was performed in shielding room 553.

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#### 3.1.3 TEST PROCEDURE

The basic test procedure was in accordance with ANSI C63.4:2014 (section 7).

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20dB) were not recorded.

#### NOTE:

- 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
- 3. Margin value = Emission level Limit value
- 4. Correction factor = Insertion loss + Cable loss
- 5. Emission Level = Correction Factor + Reading Value

#### 3.1.4 DEVIATION FROM TEST STANDARD

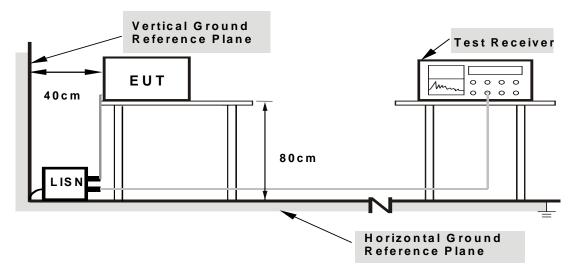
No deviation.

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#### 3.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN. 2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.

#### 3.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power of all equipment.
- b. EUT was operated according to the type description in manufacturer's specifications or the User's Manual.

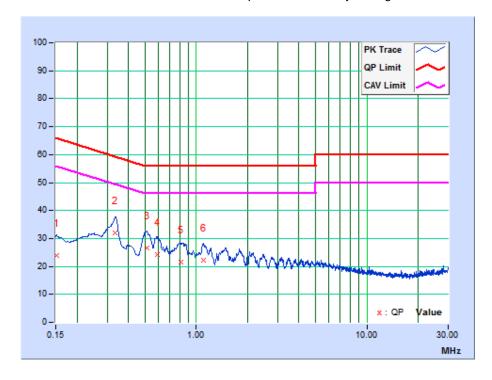


### 3.1.7 TEST RESULTS

| TEST MODE                | Charging(DC<br>9.6V/500mA) | 6DB BANDWIDTH | 9 kHz    |
|--------------------------|----------------------------|---------------|----------|
| TEST VOLTAGE             | AC 120V 60Hz               | PHASE         | Line (L) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 58% RH           | TESTED BY     | Hardy    |

|    | Freq.   | Corr.  | Reading Value |       | Emission<br>Level |       | Limit |       | Mar    | gin    |
|----|---------|--------|---------------|-------|-------------------|-------|-------|-------|--------|--------|
| No |         | Factor | [dB           | (uV)] | [dB               | (uV)] | [dB   | (uV)] | (dl    | В)     |
|    | [MHz]   | (dB)   | Q.P.          | AV.   | Q.P.              | AV.   | Q.P.  | AV.   | Q.P.   | AV.    |
| 1  | 0.15225 | 9.90   | 13.91         | 0.46  | 23.81             | 10.36 | 65.88 | 55.88 | -42.06 | -45.51 |
| 2  | 0.33440 | 9.70   | 22.23         | 7.44  | 31.93             | 17.14 | 59.34 | 49.34 | -27.41 | -32.20 |
| 3  | 0.51290 | 10.39  | 16.07         | 0.81  | 26.46             | 11.20 | 56.00 | 46.00 | -29.54 | -34.80 |
| 4  | 0.58875 | 10.40  | 13.93         | -0.61 | 24.33             | 9.79  | 56.00 | 46.00 | -31.67 | -36.21 |
| 5  | 0.81414 | 10.43  | 10.99         | -1.83 | 21.42             | 8.60  | 56.00 | 46.00 | -34.58 | -37.40 |
| 6  | 1.10298 | 10.21  | 12.10         | -1.58 | 22.31             | 8.63  | 56.00 | 46.00 | -33.69 | -37.37 |

**REMARKS:** The emission levels of other frequencies were very low against the limit.



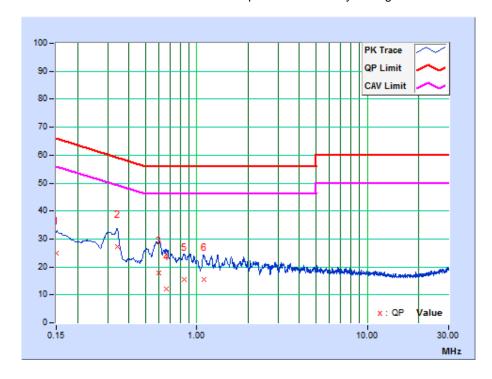
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| TEST MODE Charging(DC 9.6V/500mA) |                  | 6DB BANDWIDTH | 9 kHz       |
|-----------------------------------|------------------|---------------|-------------|
| TEST VOLTAGE                      | AC 120V 60Hz     | PHASE         | Neutral (N) |
| ENVIRONMENTAL CONDITIONS          | 25deg. C, 58% RH | TESTED BY     | Hardy       |

|    | Freq.   | Corr.  | Reading Value |       | Emission<br>Level |       | Limit |       | Margin |        |
|----|---------|--------|---------------|-------|-------------------|-------|-------|-------|--------|--------|
| No |         | Factor | [dB (         | (uV)] | [dB               | (uV)] | [dB   | (uV)] | (d     | B)     |
|    | [MHz]   | (dB)   | Q.P.          | AV.   | Q.P.              | AV.   | Q.P.  | AV.   | Q.P.   | AV.    |
| 1  | 0.15000 | 9.64   | 15.11         | -1.14 | 24.75             | 8.50  | 66.00 | 56.00 | -41.25 | -47.50 |
| 2  | 0.34064 | 10.23  | 17.06         | 1.96  | 27.29             | 12.19 | 59.19 | 49.19 | -31.90 | -37.00 |
| 3  | 0.60094 | 9.81   | 8.03          | -3.96 | 17.84             | 5.85  | 56.00 | 46.00 | -38.16 | -40.15 |
| 4  | 0.65912 | 9.94   | 2.28          | -5.22 | 12.22             | 4.72  | 56.00 | 46.00 | -43.78 | -41.28 |
| 5  | 0.84480 | 10.02  | 5.48          | -4.81 | 15.50             | 5.21  | 56.00 | 46.00 | -40.50 | -40.79 |
| 6  | 1.09717 | 9.72   | 5.71          | -4.46 | 15.43             | 5.26  | 56.00 | 46.00 | -40.57 | -40.74 |

**REMARKS:** The emission levels of other frequencies were very low against the limit.



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#### 3.2 RADIATED EMISSION MEASUREMENT

### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart B (Section: 15.109)

Emissions radiated outside of the specified bands, shall be according to the general radiated limits as following:

| Radiated Emissions Limits at 10 meters (dBµV/m) |                      |            |                      |                      |  |  |  |
|---|----------------------|------------|----------------------|----------------------|--|--|--|
| Frequencies (MHz)                               | 1 ICES-003 I ICES-00 |            | CISPR 22,<br>Class A | CISPR 22,<br>Class B |  |  |  |
| 30-88   | 39                   | 29.5       |                      |                      |  |  |  |
| 88-216  | 43.5                 | 33.1       | 40                   | 30                   |  |  |  |
| 216-230   | 46.4                 | 35.6       |                      |                      |  |  |  |
| 230-960   | 40.4                 | 33.0       | 47                   | 27                   |  |  |  |
| 960-1000  | 49.5                 | 43.5       | 47                   | 37                   |  |  |  |
| 1000-3000                                       | Avg: 49.5            | Avg: 43.5  | Not defined          | Not defined          |  |  |  |
| Above 3000                                      | Peak: 69.5           | Peak: 63.5 | Not defined          | Not defined          |  |  |  |

|                   | Radiated Emissions Limits at 3 meters (dBμV/m) |                                   |                      |                      |  |  |  |  |
|-------------------|--|-----------------------------------|----------------------|----------------------|--|--|--|--|
| Frequencies (MHz) | FCC 15B /<br>ICES-003,<br>Class A              | FCC 15B /<br>ICES-003,<br>Class B | CISPR 22,<br>Class A | CISPR 22,<br>Class B |  |  |  |  |
| 30-88             | 49.5   | 40                                |                      |                      |  |  |  |  |
| 88-216            | 54   | 43.5                              | 50.5                 | 40.5                 |  |  |  |  |
| 216-230           | 56.9   | 46                                |                      |                      |  |  |  |  |
| 230-960           | 56.9   | 46                                | F7 F                 | 47.5                 |  |  |  |  |
| 960-1000          | 60   | 54                                | 57.5                 | 47.5                 |  |  |  |  |
| 1000-3000         |  |                                   | Avg: 56<br>Peak: 76  | Avg: 50<br>Peak: 70  |  |  |  |  |
| Above 3000        | Peak: 80                                       | Peak: 74                          | Avg: 60<br>Peak: 80  | Avg: 54<br>Peak: 74  |  |  |  |  |



# 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  | 5th harmonic of the highest frequency or 40 GHz, whichever is lower |

Note: (1) The lower limit shall apply at the transition frequencies.

- (2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
- (3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.



#### **3.2.2 TEST INSTRUMENTS**

#### FREQUENCY RANGE BELOW 1GHz

| Equipment                   | Manufacturer  | Model No.                | Serial No. | Last Cal.   | Next Cal.   |
|-----------------------------|---------------|--------------------------|------------|-------------|-------------|
| EMI Test Receiver           | Rohde&Schwarz | ESU26                    | 100005     | Aug. 24,18  | Aug. 23,19  |
| EMI Test Receiver           | Rohde&Schwarz | ESR7                     | 101564     | Jan. 18,18  | Jan. 17,19  |
| Trilog-Broadband<br>Antenna | SCHWARZBECK   | VULB 9168                | 9168-555   | Nov. 10, 17 | Nov. 09, 18 |
| Trilog-Broadband<br>Antenna | SCHWARZBECK   | VULB 9168                | 9168-554   | Dec. 10, 17 | Dec. 09, 18 |
| Preamplifier                | EMCI          | EMC1135                  | 980378     | Mar. 19,18  | Mar. 18,19  |
| Preamplifier                | EMCI          | EMC1135                  | 980423     | Mar. 19,18  | Mar. 18,19  |
| 10m Semi-anechoic Chamber   | CHANGLING     | 18.8m                    |            | Feb. 10,18  | Feb. 09,19  |
| Test Software               | ADT           | ADT_Radiated<br>_V8.7.07 | N/A        | N/A         | N/A         |

- **NOTES:** 1. The test was performed in 10m Chamber.
  - 2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
  - 3. The FCC Site Registration No. is 749762.

#### FREQUENCY RANGE ABOVE 1GHz

| Equipment                              | Manufacturer  | Model No.                | Serial No.  | Last Cal.   | Next Cal.   |
|--|---------------|--------------------------|-------------|-------------|-------------|
| Horn Antenna                           | ETS-Lindgren  | 3117                     | 00085519    | Dec. 10, 17 | Dec. 09, 18 |
| Horn Antenna                           | SCHWARZBECK   | BBHA 9170                | BBHA9170242 | May 05,18   | May 04,19   |
| Signal and Spectrum Analyzer           | Rohde&Schwarz | FSV40                    | 101003      | Apr. 21,18  | Apr. 20,19  |
| Broadband<br>Preamplifier<br>(1~18GHz) | SCHWARZBECK   | BBV9718                  | 266         | Apr. 18,18  | Apr. 18,19  |
| Pre-Amplifier<br>(18GHz-40GHz)         | EMCI          | EMC 184045               | 980102      | Nov. 08,18  | Nov. 07,19  |
| Test Software                          | ADT           | ADT_Radiated<br>_V8.7.07 | N/A         | N/A         | N/A         |

- **NOTES:** 1. The test was performed in 10m Chamber.
  - 2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
  - 3. The FCC Site Registration No. is 749762.

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#### 3.2.3 TEST PROCEDURE

#### <Frequency Range below 1GHz>

The basic test procedure was in accordance with ANSI C63.4:2014 (section 12).

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from 1 meter to 4 meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.

- 1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
- 3. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) (if the raw value not contains the amplifier);
- 4. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) Amplifier Gain(dB) (if the raw value contains the amplifier).
- 5. Margin value = Emission level Limit value.

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#### <Frequency Range above 1GHz>

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meters Semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. The bore sight should be used during the test above 1GHz.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz

#### NOTE:

- 1. The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz for Average detection (AV) at frequency above 1GHz.
- 2. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the receiver antenna.
- 3. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
- 4. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) (if the raw value not contains the amplifier):
- 5. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) Amplifier Gain(dB) (if the raw value contains the amplifier)
- 6. Margin value = Emission level Limit value.

#### 3.2.4 DEVIATION FROM TEST STANDARD

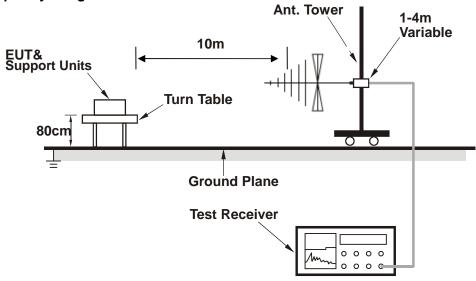
No deviation.

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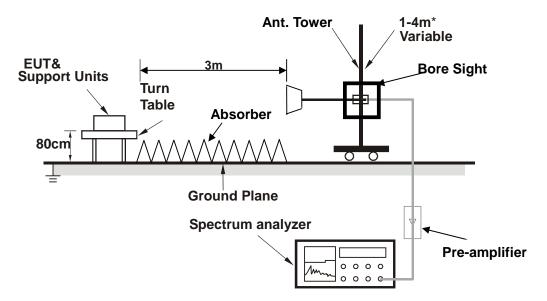


#### 3.2.5 TEST SETUP

#### <Frequency Range below 1GHz>



#### <Frequency Range above 1GHz>



\* depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3

#### 3.2.6 EUT OPERATING CONDITIONS

- a. Turn on the power supply of the EUT.
- b. EUT was operated according to the type description in manufacturer's specifications or the User's Manual.

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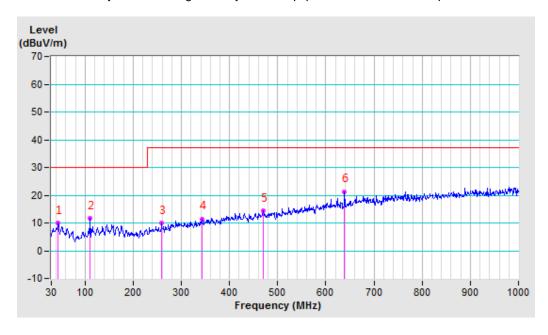


#### 3.2.7 TEST RESULTS

| TEST MODE                | Charging(DC 9.6V/500mA) | FREQUENCY<br>RANGE                                | 30-1000MHz            |  |
|--------------------------|-------------------------|---|-----------------------|--|
| TEST VOLTAGE             | AC 120V 60Hz            | DETECTOR<br>FUNCTION &<br>RESOLUTION<br>BANDWIDTH | Quasi-Peak,<br>120kHz |  |
| ENVIRONMENTAL CONDITIONS | 21deg. C, 61% RH        | TESTED BY: Daniel                                 |                       |  |

|     | ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10M |            |        |          |            |        |         |          |  |  |
|-----|---|------------|--------|----------|------------|--------|---------|----------|--|--|
|     | Freq.   | Correction | Raw    | Emission | Limit      | Margin | Antenna | Table    |  |  |
| No. | (MHz)   | Factor     | Value  | Level    | (dBuV/m)   | (dB)   | Height  | Angle    |  |  |
|     | (1011-12)   | (dB/m)     | (dBuV) | (dBuV/m) | (ubuv/III) | (ub)   | (cm)    | (Degree) |  |  |
| 1   | 44.308  | -22.40     | 32.25  | 9.85     | 30.00      | -20.15 | 200     | 163      |  |  |
| 2   | 110.631   | -24.48     | 36.01  | 11.53    | 30.00      | -18.47 | 400     | 43       |  |  |
| 3   | 259.405   | -22.47     | 32.35  | 9.88     | 37.00      | -27.12 | 400     | 233      |  |  |
| 4   | 342.583   | -19.65     | 30.93  | 11.28    | 37.00      | -25.72 | 400     | 175      |  |  |
| 5   | 470.259   | -16.97     | 31.26  | 14.29    | 37.00      | -22.71 | 400     | 238      |  |  |
| 6   | 638.433   | -13.24     | 34.39  | 21.15    | 37.00      | -15.85 | 400     | 281      |  |  |

- REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
  - 2. Negative sign (-) in the margin column signify levels below the limit.
  - 3. Frequency range scanned: 30MHz to 1000MHz.
  - 4. Only emissions significantly above equipment noise floor are reported.



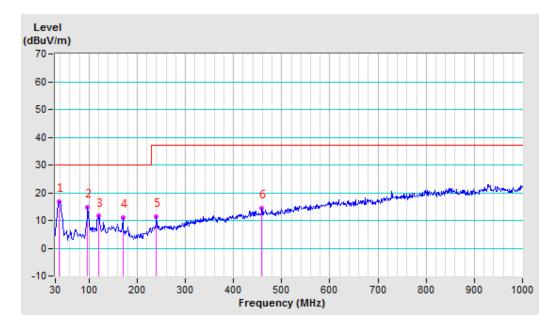
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| TEST MODE                | Charging(DC 9.6V/500mA) | FREQUENCY<br>RANGE                       | 30-1000MHz            |  |
|--------------------------|-------------------------|--|-----------------------|--|
| TEST VOLTAGE             | AC 120V 60Hz            | DETECTOR FUNCTION & RESOLUTION BANDWIDTH | Quasi-Peak,<br>120kHz |  |
| ENVIRONMENTAL CONDITIONS | 21deg. C, 61% RH        | TESTED BY: Daniel                        |                       |  |

|     | ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10M |                                |                        |                               |                   |                |                           |                            |  |
|-----|---|--------------------------------|------------------------|-------------------------------|-------------------|----------------|---------------------------|----------------------------|--|
| No. | Freq.<br>(MHz)                                    | Correction<br>Factor<br>(dB/m) | Raw<br>Value<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Antenna<br>Height<br>(cm) | Table<br>Angle<br>(Degree) |  |
| 1   | 37.615  | -22.82                         | 39.66                  | 16.84                         | 30.00             | -13.16         | 300                       | 155                        |  |
| 2   | 97.224  | -25.47                         | 40.24                  | 14.77                         | 30.00             | -15.23         | 100                       | 303                        |  |
| 3   | 120.118   | -23.16                         | 34.75                  | 11.59                         | 30.00             | -18.41         | 300                       | 357                        |  |
| 4   | 170.221   | -21.70                         | 32.87                  | 11.17                         | 30.00             | -18.83         | 100                       | 156                        |  |
| 5   | 240.016   | -21.56                         | 32.87                  | 11.31                         | 37.00             | -25.69         | 100                       | 338                        |  |
| 6   | 459.101   | -15.73                         | 30.29                  | 14.56                         | 37.00             | -22.44         | 100                       | 326                        |  |

- REMARKS: 1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
  - 2. Negative sign (-) in the margin column signify levels below the limit.
  - 3. Frequency range scanned: 30MHz to 1000MHz.
  - 4. Only emissions significantly above equipment noise floor are reported.



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### 4 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING **CHANGES TO THE EUT BY THE LAB**

No any modifications were made to the EUT by the lab during the test.

---END---

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