





## **TEST REPORT**

| Applicant | Flashbay Electronics  |
|-----------|---|
| Address   | Blgd b & C Xi Feng Cheng IND Zone, No.2 FuYuan Road He Ping, Village, FuYong Town, ShenZhen |

| Manufacturer or Supplier            | Flashbay Electronics  |
|-------------------------------------|---|
| Address                             | Blgd b & C Xi Feng Cheng IND Zone, No.2<br>FuYuan Road He Ping, Village, FuYong<br>Town, ShenZhen |
| Product                             | USB Flash Drive   |
| Brand Name                          | N/A   |
| Model                               | Lynx(LY)  |
| Additional Model & Model Difference | Orbit(OR); see items 2.1  |
| Date of tests                       | Jul. 14, 2017 ~ Jul. 18, 2017   |
|                                     |   |



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<br>Project Engineer / EMC Department | Approved by Madison Luo<br>Supervisor / EMC Department |
|--|--|
| Ryan   | James  |
|  | Date: Jul. 20, 2017                                    |

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# **RELEASE CONTROL RECORD**

| Issue No.    | Description      | Date Issued   |
|--------------|------------------|---------------|
| CT170523N007 | Original release | Jul. 20, 2017 |

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## 1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| Emission                 |                                  |        |  |  |
|--------------------------|----------------------------------|--------|--|--|
| Standard                 | Test Item                        | Result | Remarks  |  |
| AC/NIZC CICDD 20.        | Conducted test                   |        | Minimum passing margin is –15.42 dB at 0.15000 MHz       |  |
| AS/NZS CISPR 32:<br>2015 | Radiated emission<br>30-1000 MHz | PASS   | Minimum passing Class B margin is -4.48 dB at 839.89 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:

The listed uncertainties are the worst case uncertainty for the entire range of measurement. Please note that the uncertainty values are provided for informational purposes only and are not used in determining the PASS/FAIL results.

| MEASUREMENT                             | FREQUENCY       | UNCERTAINTY |
|---|-----------------|-------------|
| Mains Terminal Disturbance Voltage Test | 0.15MHz ~ 30MHz | + /-2.70 dB |
| Radiated Disturbance Test               | 30MHz ~ 1000MHz | + /-3.83 dB |

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#### 2 GENERAL INFORMATION

#### 2.1 GENERAL DESCRIPTION OF EUT

| PRODUCT                     | USB Flash Drive      |
|-----------------------------|----------------------|
| TEST MODEL                  | Lynx(LY)             |
| ADDITIONAL MODEL            | Orbit(OR)            |
| POWER SUPPLY                | DC 5V from Host Unit |
| DATA CABLE SUPPLIED         | N/A                  |
| HIGHEST OPERATION FREQUENCY | Below 108MHz         |

#### NOTE:

- 1. For the test results, the EUT had been tested with all conditions. But only the worst case was showed in test report.
- 2. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 3. Please refer to the EUT photo document (Reference No.: 170523N007) for detailed product photo.
- 4. Additional model Orbit(OR) is identical with the test model Lynx(LY) except the model number and appearance for marketing purpose. The difference has been considered during this test, full test was performed for the model Lynx(LY), and partial test for the model Orbit(OR) test RE.

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## 2.2 DESCRIPTION OF TEST MODES

The EUT was tested under the following modes' the final worst mode were marked in boldface and recorded in this report.

#### **Conducted Emission TEST:**

| Description of Test Mode  | Test Model | Test Voltage         |
|---------------------------|------------|----------------------|
| Data transmitting from PC | Lynx(LY)   | DC 5V from Host Unit |

#### **Radiated Emission TEST:**

| Description of Test Mode            | Test Model | Test Voltage         |
|-------------------------------------|------------|----------------------|
| Data transmitting from PC           | Lynx(LY)   | D0 EV ( )   ( )   (  |
| Data transmitting from mobile phone | Orbit(OR)  | DC 5V from Host Unit |

#### 2.3 TEST PROGRAM USED AND OPERATION DESCRIPTIONS

- 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.

#### 2.4 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to the specifications of the manufacturers, the EUT must comply with the requirements of the following standards:

#### **AS/NZS CISPR 32:2015**

All applicable tests have been performed and recorded as per the above standards.

#### 2.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an dependent 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.

| NO. | PRODUCT      | BRAND    | MODEL NO.        | SERIAL NO.          | FCC ID |
|-----|--------------|----------|------------------|---------------------|--------|
| 1   | Notebook     | DELL     | Inspriron14-3442 | 4Q3WB12             | N/A    |
| 2   | Printer      | LENOVO   | LJ2200L          | LP02857415 48001408 | N/A    |
| 3   | Mouse        | DELL     | MOC5UO           | H0K00K92            | N/A    |
| 4   | Mobile phone | In Focus | M512             | MC2GLMF490102152    | N/A    |

| NO. | DESCRIPTION OF THE ABOVE SUPPORT UNITS |
|-----|--|
| 1   | Unshielded, Detachable 0.8m            |
| 2   | Unshielded, Detachable 1.5m            |
| 3   | USB: Unshielded, Detachable 1.8m       |
| 4   | USB: Unshielded, Detachable 1.0m       |

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## CONDUCTED EMISSION FROM THE AC MAINS POWER PORT

#### 3.1 LIMITS

| Frequency (MHz) | Class A    | (dBuV)  | Class B (dBuV) |         |  |
|-----------------|------------|---------|----------------|---------|--|
|                 | 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.

#### 3.2 TEST INSTRUMENT

| Equipment                | Manufacturer  | Model No.           | Serial No.     | Last Cal.  | Next Cal.  |
|--------------------------|---------------|---------------------|----------------|------------|------------|
| EMI Test Receiver        | Rohde&Schwarz | ESR7                | 101494         | Apr. 05,17 | Apr. 04,18 |
| Artificial Mains Network | Rohde&Schwarz | ENV216              | 101173         | Mar. 06,17 | Mar. 05,18 |
| Artificial Mains Network | Rohde&Schwarz | ESH3-Z5             | 100317         | Apr. 05,17 | Apr. 04,18 |
| Voltage probe            | SCHWARZBECK   | TK 9421             | TK<br>9421-176 | Jan. 04,17 | Jan. 03,18 |
| 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 at Shielded Room 553.

#### 3.3 TEST ARRANGEMENT

- 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 test results of conducted emissions at mains ports are recorded of six worst margins for quasi-peak (mandatory) [and average (if necessary)] values against the limits at frequencies of interest unless the margin is 20 dB or greater.

Note: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

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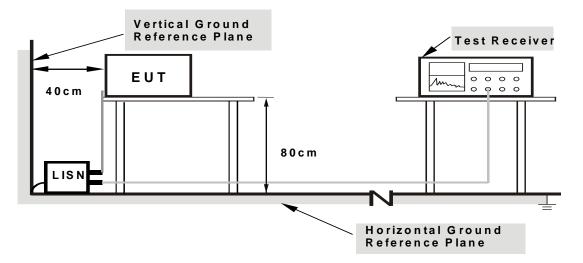
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<sup>2.</sup> The limit decreases linearly with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.



## 3.4 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.

## 3.5 SUPPLEMENTARY INFORMATION

N/A

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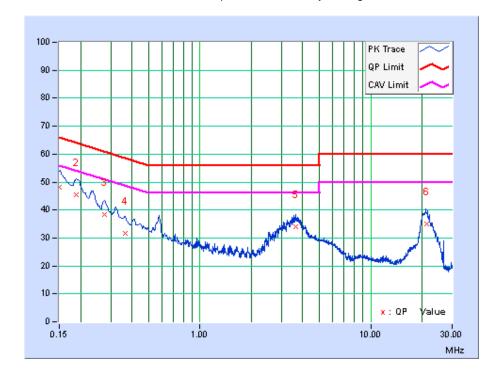


## 3.6 TEST RESULTS

| TEST MODE                | Data transmitting    | 6DB<br>BANDWIDTH | 9 kHz    |
|--------------------------|----------------------|------------------|----------|
| TEST VOLTAGE             | DC 5V from Host Unit | PHASE            | Line (L) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 47% RH     | TESTED BY        | Yang     |

| No. | IMHZI        |      | Reading Value<br>[dB (uV)] |       | Emission Level<br>[dB (uV)] |       | Limit<br>[dB (uV)] |       | Margin<br>(dB) |        |
|-----|--------------|------|----------------------------|-------|-----------------------------|-------|--------------------|-------|----------------|--------|
|     | [IMITE] (dB) | (ub) | Q.P.                       | AV.   | Q.P.                        | AV.   | Q.P.               | AV.   | Q.P.           | AV.    |
| 1   | 0.15000      | 9.83 | 38.33                      | 21.02 | 48.16                       | 30.85 | 66.00              | 56.00 | -17.84         | -25.15 |
| 2   | 0.18756      | 9.83 | 35.67                      | 21.28 | 45.50                       | 31.11 | 64.14              | 54.14 | -18.64         | -23.03 |
| 3   | 0.27433      | 9.77 | 28.73                      | 18.98 | 38.50                       | 28.75 | 60.99              | 50.99 | -22.49         | -22.24 |
| 4   | 0.36292      | 9.87 | 21.79                      | 11.29 | 31.66                       | 21.16 | 58.66              | 48.66 | -27.00         | -27.50 |
| 5   | 3.64875      | 9.91 | 24.12                      | 16.10 | 34.03                       | 26.01 | 56.00              | 46.00 | -21.97         | -19.99 |
| 6   | 21.15375     | 9.99 | 24.92                      | 14.90 | 34.91                       | 24.89 | 60.00              | 50.00 | -25.09         | -25.11 |

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



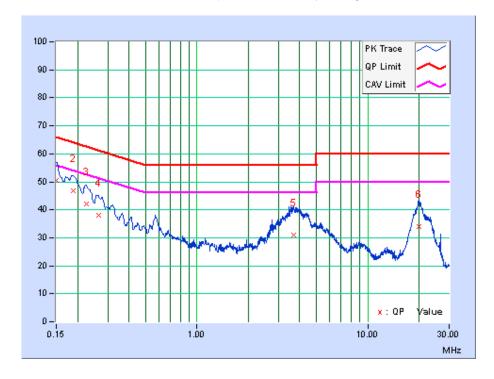
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| TEST MODE                | Data transmitting    | 6DB<br>BANDWIDTH | 9 kHz       |
|--------------------------|----------------------|------------------|-------------|
| TEST VOLTAGE             | DC 5V from Host Unit | PHASE            | Neutral (N) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 47% RH     | TESTED BY        | Yang        |

| No. | Freq.<br>[MHz] | Corr.<br>Factor |       | Reading Value Emission Leve [dB (uV)] |       |       | Limit<br>[dB (uV)] |       | Margin<br>(dB) |        |
|-----|----------------|-----------------|-------|---------------------------------------|-------|-------|--------------------|-------|----------------|--------|
|     | [miz] (dB)     | (ub)            | Q.P.  | AV.                                   | Q.P.  | AV.   | Q.P.               | AV.   | Q.P.           | AV.    |
| 1   | 0.15000        | 9.66            | 40.92 | 25.51                                 | 50.58 | 35.17 | 66.00              | 56.00 | -15.42         | -20.83 |
| 2   | 0.18825        | 9.68            | 37.01 | 22.77                                 | 46.69 | 32.45 | 64.11              | 54.11 | -17.42         | -21.66 |
| 3   | 0.22425        | 9.73            | 32.24 | 19.67                                 | 41.97 | 29.40 | 62.66              | 52.66 | -20.69         | -23.26 |
| 4   | 0.26437        | 9.75            | 28.35 | 16.27                                 | 38.10 | 26.02 | 61.29              | 51.29 | -23.19         | -25.27 |
| 5   | 3.69825        | 9.92            | 20.91 | 15.36                                 | 30.83 | 25.28 | 56.00              | 46.00 | -25.17         | -20.72 |
| 6   | 19.88925       | 9.71            | 24.43 | 12.75                                 | 34.14 | 22.46 | 60.00              | 50.00 | -25.86         | -27.54 |

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



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## 4 RADIATED EMISSION MEASUREMENT

## 4.1 LIMITS OF RADIATED EMISSION MEASUREMENT

## FOR FREQUENCY BELOW 1000 MHz

| FREQUENCY  | Class A (at 3m)   | Class B (at 3m)   |  |  |
|------------|-------------------|-------------------|--|--|
| (MHz)      | Quasi-Peak dBuV/m | Quasi-Peak dBuV/m |  |  |
| 30 – 230   | 40                | 30                |  |  |
| 230 – 1000 | 47                | 37                |  |  |

| FREQUENCY  | Class A (at 3m)   | Class B (at 3m)   |  |  |
|------------|-------------------|-------------------|--|--|
| (MHz)      | Quasi-Peak dBuV/m | Quasi-Peak dBuV/m |  |  |
| 30 – 230   | 50                | 40                |  |  |
| 230 – 1000 | 57                | 47                |  |  |

## For FM receivers

| Distance<br>(m) | Source           | Frequency<br>Range | Limits dB (uV/m) |    |  |
|-----------------|------------------|--------------------|------------------|----|--|
| (111)           |                  | (MHz)              | Quasi-pe         | ak |  |
|                 | Local oscillator | ≤1000              | Fundamental      | 50 |  |
|                 |                  | 30 to 300          | Harmonics        | 42 |  |
| 10              |                  | 300 to 1000        | Harmonics        | 46 |  |
|                 | Other            | 30 to 230          |                  | 30 |  |
|                 |                  | 230 to 1000        |                  | 37 |  |
|                 | Local oscillator | ≤1000              | Fundamental      | 60 |  |
|                 |                  | 30 to 300          | Harmonics        | 52 |  |
| 3               |                  | 300 to 1000        | Harmonics        | 56 |  |
|                 | Other            | 30 to 230          |                  | 40 |  |
|                 |                  | 230 to 1000        |                  | 47 |  |

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# 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 108   | 1000                             |
| 108 – 500   | 2000                             |
| 500 – 1000  | 5000                             |
|   | Up to 5 times of the highest     |
| Above 1000  | frequency or 6 GHz, whichever is |
|   | less                             |

## FOR FREQUENCY ABOVE 1000 MHz

| EDECLIENCY (CLI-) | Class A (dBu | ıV/m) (at 3m) | Class B (dBuV/m) (at 3m) |         |  |
|-------------------|--------------|---------------|--------------------------|---------|--|
| FREQUENCY (GHz)   | PEAK         | AVERAGE       | PEAK                     | AVERAGE |  |
| 1 to 3            | 76           | 56            | 70                       | 50      |  |
| 3 to 6            | 80           | 60            | 74                       | 54      |  |

**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.

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#### 4.2 TEST INSTRUMENTS

#### FREQUENCY RANGE BELOW 1GHz

| Equipment         | Manufacturer  | Model No.    | Serial No. | Last Cal.     | Next Cal.     |  |
|-------------------|---------------|--------------|------------|---------------|---------------|--|
| EMI Test Receiver | Rohde&Schwarz | ESU40        | 100449     | Mar. 11,17    | Mar. 10,18    |  |
| Bilog Antenna     | Teseq         | CBL 6111D    | 30643      | Jul. 14, 17   | Jul. 13, 18   |  |
| Amplifier         | Burgeon       | BPA-530      | 100220     | Apr. 05,17    | Apr. 04,18    |  |
| 3m Semi-anechoic  | ETS-LINDGREN  | 9m*6m*6m     | NSEMC003   | Mar. 06,17    | Mar. 05.18    |  |
| Chamber           |               |              |            | IVIAI. 00, 17 | IVIAI. US, 16 |  |
| Test software     | ADT           | ADT_Radiated | NI/A       | N/A           | N/A           |  |
| iest sollware     | ADT           | _V7.6.15.9.2 | IN/A       | IN/A          | IN/A          |  |

NOTES: 1. The test was performed in 966 Chamber (a 3m Semi-anechoic 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.

#### FREQUENCY RANGE ABOVE 1GHz

| Equipment                      | Manufacturer  | Model No.                 | Serial No.  | Last Cal.  | Next Cal.  |
|--------------------------------|---------------|---------------------------|-------------|------------|------------|
| Horn Antenna                   | SCHWARZBECK   | BBHA 9170                 | BBHA9170242 | Mar. 15,17 | Mar. 14,18 |
| EMI Test Receiver              | Rohde&Schwarz | ESU40                     | 100449      | Mar. 11,17 | Mar. 10,18 |
| Broadband<br>Preamplifier      | SCHWARZBECK   | BBV9718                   | 305         | Mar. 06,17 | Mar. 05,18 |
| Pre-Amplifier<br>(18GHz-40GHz) | EMCI          | EMC 184045                | 980102      | Nov. 04,16 | Nov. 03,17 |
| Test Software                  | ADT           | ADT_Radiated _V7.6.15.9.2 | N/A         | N/A        | N/A        |

NOTES: 1. The test was performed in 966 Chamber (a 3m Semi-anechoic 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.

| Equipment    | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|--------------|--------------|-----------|------------|-----------|-----------|
| Horn Antenna | ETS-Lindgren | 3117      | 00062558   | May 30,16 | May 29,18 |

NOTES: 1. The test was performed in 966 Chamber (a 3m Semi-anechoic chamber).

2. The calibration interval of the above test instruments is 24 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

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#### **4.3 TEST PROCEDURE**

## <Frequency Range below 1GHz>

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter 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 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.

#### NOTE:

- 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 3 meter 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 can be varied from one meter-to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test receiver/spectrum 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.

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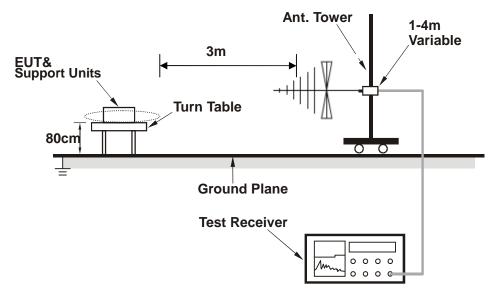
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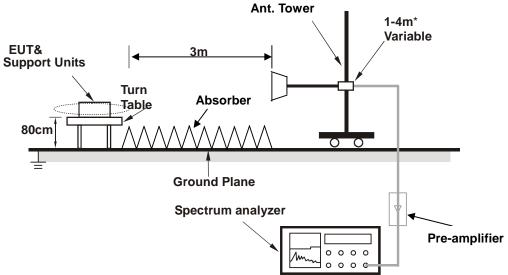


## 4.4 TEST SETUP

## <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

## 4.5 SUPPLEMENTARY INFORMATION

The more stringent measurement method of paragraph 8.3.2.2 in ANSI C63.4:2014 was applied for the test.

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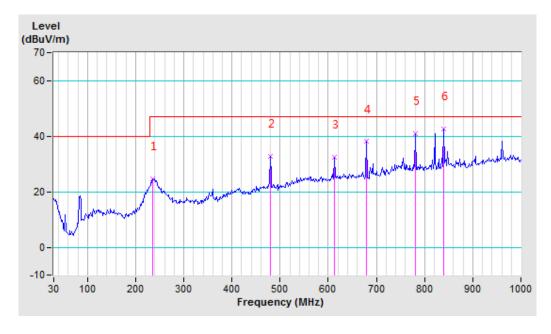
## 4.6 TEST RESULTS

| TEST MODE                | Data transmitting |                                     |                    |  |  |
|--------------------------|-------------------|-------------------------------------|--------------------|--|--|
| FREQUENCY<br>RANGE       | 30-1000 MHz       | DETECTOR<br>FUNCTION &<br>BANDWIDTH | Quasi-Peak, 120kHz |  |  |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 55% RH  | TESTED BY: Simon                    |                    |  |  |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M |           |            |          |             |          |        |          |       |
|--|-----------|------------|----------|-------------|----------|--------|----------|-------|
|  | Freq.     | Correction | Raw      | Emission    | Limit    | Margin | Antenna  | Table |
| No.  | No. (MHz) | Factor     | Value    | Level       | (dBuV/m) | (dB)   | Height   | Angle |
| (IVITZ)  | (dB/m)    | (dBuV)     | (dBuV/m) | (ubu v/III) | (ub)     | (cm)   | (Degree) |       |
| 1  | 235.19    | -17.05     | 41.60    | 24.55       | 47.00    | -22.45 | 100      | 360   |
| 2  | 479.25    | -6.69      | 39.52    | 32.83       | 47.00    | -14.17 | 100      | 0     |
| 3  | 612.93    | -3.40      | 35.72    | 32.32       | 47.00    | -14.68 | 100      | 0     |
| 4  | 679.78    | -3.39      | 41.38    | 37.99       | 47.00    | -9.01  | 100      | 0     |
| 5  | 780.82    | -0.52      | 41.48    | 40.96       | 47.00    | -6.04  | 100      | 0     |
| 6  | 839.89    | 0.35       | 42.17    | 42.52       | 47.00    | -4.48  | 100      | 0     |

**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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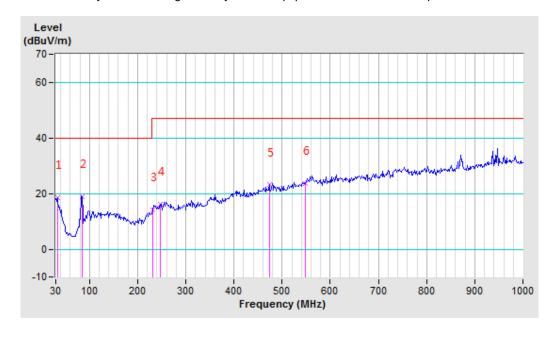


| FREQUENCY  30-1000 MHz  DETECTOR FUNCTION & Quasi-Peak     |           |
|--|-----------|
| RANGE BANDWIDTH  | k, 120kHz |
| ENVIRONMENTAL CONDITIONS 25deg. C, 55% RH TESTED BY: Simon |           |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 10 M |           |            |          |             |          |        |          |       |
|--|-----------|------------|----------|-------------|----------|--------|----------|-------|
|  | Freq.     | Correction | Raw      | Emission    | Limit    | Margin | Antenna  | Table |
| No.  | No. (MHz) | Factor     | Value    | Level       | (dBuV/m) | (dB)   | Height   | Angle |
| (IVITZ)  | (dB/m)    | (dBuV)     | (dBuV/m) | (ubu v/III) | (ub)     | (cm)   | (Degree) |       |
| 1  | 33.11     | -12.84     | 31.35    | 18.51       | 40.00    | -21.49 | 100      | 92    |
| 2  | 84.41     | -20.85     | 39.78    | 18.93       | 40.00    | -21.07 | 100      | 103   |
| 3  | 232.08    | -17.52     | 31.73    | 14.21       | 47.00    | -32.79 | 100      | 48    |
| 4  | 247.63    | -15.24     | 31.35    | 16.11       | 47.00    | -30.89 | 100      | 58    |
| 5  | 473.03    | -6.78      | 29.84    | 23.06       | 47.00    | -23.94 | 100      | 80    |
| 6  | 547.64    | -4.26      | 27.89    | 23.63       | 47.00    | -23.37 | 100      | 68    |

**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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## 5 PHOTOGRAPHS OF THE TEST CONFIGURATION





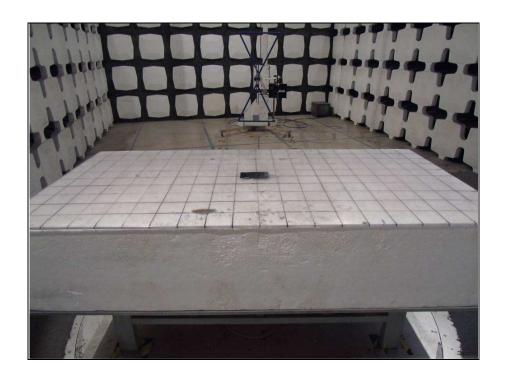


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# 6 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

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

**END** 

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Report Version 1