# FCC Radio Test Report

# FCC ID: XW3KM1001RL

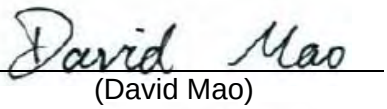
**This report concerns (check one):** ■ **Original Grant** □ **Class II Change**

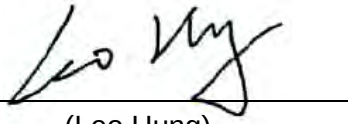
| | | |
|---|---|---|
| **Issued Date** | : | Apr. 23, 2012 |
| **Project No.** | : | 1204C042 |
| **Equipment** | : | LuxeMatei8150 |
| **Model Name** | : | GK-110010/T; GK-110009/T; KM-1001RL |
| **Applicant** | : | Dongguan Siliten Electronics CO.,LTD |
| **Address** | : | Sijia Yewu Industrial estate, Shijie Town, Dongguan City, Guangdong Province, China |

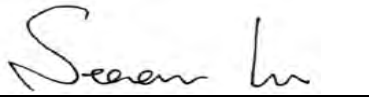
**Tested by:**
Neutron Engineering Inc. EMC Laboratory

**Date of Receipt:** Apr. 05, 2012

**Date of Test:**
Apr. 05, 2012 ~ Apr. 22, 2012

Testing Engineer : 
(David Mao)

Technical Manager : 
(Leo Hung)

Authorized Signatory : 
(Steven Lu)

***Neutron Engineering Inc.***

***No.3,Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.***
***TEL : (0769) 8318-3000 FAX : (0769) 8319-6000***

## Declaration

**Neutron** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**., or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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## 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.

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## 1. CERTIFICATION

| | |
|---|---|
| Equipment: | LuxeMatei8150 |
| Brand Name : | Genius |
| Model Name. : | GK-110010/T; GK-110009/T; KM-1001RL |
| Applicant: | Dongguan Siliten Electronics CO.,LTD |
| Factory: | Dongguan Siliten Electronics CO.,LTD |
| Address: | Sijia Yewu Industrial estate, Shijie Town, Dongguan City, Guangdong Province, China |
| Date of Test: | Apr. 05, 2012 ~ Apr. 22, 2012 |
| Test Item: | ENGINEERING SAMPLE |
| Standards: | FCC Part15, Subpart C(15.249)/ ANSI C63.4 : 2009 |

The above equipment has been tested and found compliance with the requirement of the relative standards by Neutron Engineering Inc. EMC Laboratory.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. NEI-FCCP-1-1204C042) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP and TAF according to the ISO-17025 quality assessment standard and technical standard(s).

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

| FCC Part15, Subpart C (15.249) | | | |
|---|---|---|---|
| StandardSection<br>FCC | Test Item | Judgment | Remark |
| 15.207 | Conducted Emission | N/A | Note(1) |
| 15.209 | Radiated Emission | PASS | |
| 15.249 | Radiated Spurious Emission | PASS | |

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report

(2) The EUT used new battery.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-C01/DG-CB03** at the location of No.3,Jinshagang 1st Road, ShiXia, Dalang Town,Dong Guan, China.523792
Neutron's test firm number for FCC 319330
Neutron's test firm number for IC 4428B-1

2.2 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 reported uncertainty of measurement **y** ± **U**，where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**，providing a level of confidence of approximately **95** %。

A. Conducted Measurement :

| Test Site | Method | Measurement Frequency Range | U，(dB) | NOTE |
|---|---|---|---|---|
| DG-C01 | CISPR | 150 KHz ~ 30MHz | 1.94 | |

B. Radiated Measurement :

| Test Site | Method | Measurement Frequency Range | Ant. H / V | U，(dB) | NOTE |
|---|---|---|---|---|---|
| DG-CB03 | CISPR | 30MHz ~ 200MHz | V | 2.48 | |
| | | 30MHz ~ 200MHz | H | 2.16 | |
| | | 200MHz ~ 1,000MHz | V | 2.50 | |
| | | 200MHz ~ 1,000MHz | H | 2.66 | |
| | | 1GHz~18GHz | V | 3.12 | |
| | | 1GHz~18GHz | H | 3.68 | |

## 3. GENERAL INFORMATION

### 3.1 GENERAL DESCRIPTION OF EUT

| | |
|---|---|
| Equipment | LuxeMatei8150 |
| Brand Name | Genius |
| Model Name. | GK-110010/T; GK-110009/T; KM-1001RL |
| OEM Brand/Model Name | N/A |
| Model Difference | Only difference is model name. |
| Product Description | The EUT is a LuxeMatei8150.<br><br>Product Type: Low Power Communication Device<br>Operation Frequency: 2405~2476 MHz<br>Modulation Technology: GFSK<br>Data rate: 1Mbps<br>Number of Channel: 64CH .Please see Note 2.<br>Antenna Designation: Printed antenna<br>Antenna Gain(Peak): 1.40 dBi<br>Output Power: 87.93 dBuV/m (AV Max.)<br><br>Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual. |
| Channel List | Please refer to the Note 2. |
| Power Source | DC Voltage supplied from 1*AA Battery |
| Power Rating | DC 1.5V |
| Connecting I/O Port(s) | Please refer to the User's Manual |

Note:

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

2.

| Frequency Channel | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| **01** | **2405** | 17 | 2421 | 33 | 2442 | 49 | 2461 |
| 02 | 2406 | 18 | 2422 | 34 | 2443 | 50 | 2462 |
| 03 | 2407 | 19 | 2423 | 35 | 2444 | 51 | 2463 |
| 04 | 2408 | 20 | 2425 | 36 | 2446 | 52 | 2464 |
| 05 | 2409 | 21 | 2427 | 37 | 2447 | 53 | 2465 |
| 06 | 2410 | 22 | 2428 | 38 | 2448 | 54 | 2466 |
| 07 | 2411 | 23 | 2429 | 39 | 2449 | 55 | 2467 |
| 08 | 2412 | 24 | 2430 | 40 | 2451 | 56 | 2468 |
| 09 | 2412 | 25 | 2431 | 41 | 2452 | 57 | 2469 |
| 10 | 2414 | 26 | 2432 | 42 | 2453 | 58 | 2470 |
| 11 | 2415 | 27 | 2434 | 43 | 2455 | 59 | 2471 |
| 12 | 2416 | 28 | 2435 | 44 | 2456 | 60 | 2472 |
| 13 | 2417 | 29 | 2436 | 45 | 2457 | 61 | 2473 |
| 14 | 2418 | 30 | 2437 | 46 | 2458 | 62 | 2474 |
| 15 | 2419 | 31 | 2438 | 47 | 2459 | 63 | 2475 |
| 16 | 2420 | **32** | **2439** | 48 | 2460 | **64** | **2476** |

| Hopping Channel List | | | |
|---|---|---|---|
| Group 1 | | Group 2 | |
| 01 | 2407 | 01 | 2405 |
| 02 | 2408 | 02 | 2406 |
| 03 | 2412 | 03 | 2409 |
| 04 | 2414 | 04 | 2410 |
| 05 | 2417 | 05 | 2411 |
| 06 | 2420 | 06 | 2412 |
| 07 | 2421 | 07 | 2415 |
| 08 | 2422 | 08 | 2416 |
| 09 | 2427 | 09 | 2418 |
| 10 | 2428 | 10 | 2419 |
| 11 | 2431 | 11 | 2423 |
| 12 | 2435 | 12 | 2425 |
| 13 | 2436 | 13 | 2429 |
| 14 | 2437 | 14 | 2430 |
| 15 | 2438 | 15 | 2432 |
| 16 | 2439 | 16 | 2434 |
| 17 | 2442 | 17 | 2443 |
| 18 | 2447 | 18 | 2444 |
| 19 | 2451 | 19 | 2446 |
| 20 | 2452 | 20 | 2448 |
| 21 | 2457 | 21 | 2449 |
| 22 | 2458 | 22 | 2453 |
| 23 | 2459 | 23 | 2455 |
| 24 | 2460 | 24 | 2456 |
| 25 | 2461 | 25 | 2462 |
| 26 | 2465 | 26 | 2463 |
| 27 | 2468 | 27 | 2464 |
| 28 | 2469 | 28 | 2466 |
| 29 | 2472 | 29 | 2467 |
| 30 | 2473 | 30 | 2470 |
| 31 | 2475 | 31 | 2471 |
| 32 | 2476 | 32 | 2474 |

3.

Table for Filed Antenna

| Ant. | Brand | Model Name | Antenna Type | Connector | Gain (dBi) |
|---|---|---|---|---|---|
| 1 | N/A | N/A | Printed | N/A | 1.40 |

## 3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based 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 | CH Lower – 2405MHz |
| Mode 2 | CH Middle – 2439MHz |
| Mode 3 | CH Highest -2476MHz |

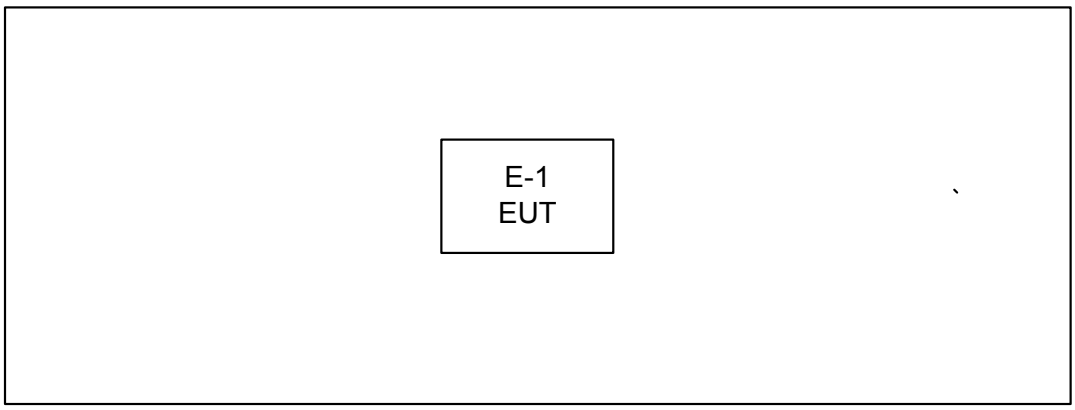
| **For Conducted Test** | |
|---|---|
| Final Test Mode | Description |
| N/A | ” N/A” denotes test is not applicable in this Test Report |

| **For Radiated Test** | |
|---|---|
| Final Test Mode | Description |
| Mode 1 | CH Lower – 2405MHz |
| Mode 2 | CH Middle – 2439MHz |
| Mode 3 | CH Highest -2476MHz |

Note:
(1) The measurements are performed at the highest, middle, lowest available channels.

3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

**Radiatied: Normal**



3.4 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. | FCC ID | Series No. | Note |
|---|---|---|---|---|---|---|
| E-1 | LuxeMatei8150 | Genius | GK-110010/T | XW3KM1001RL | N/A | EUT |

| Item | Shielded Type | Ferrite Core | Length | Note |
|---|---|---|---|---|
| | | | | |

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in m in『Length』column.

## 4. EMC EMISSION TEST

### 4.1 CONDUCTED EMISSION MEASUREMENT

#### 4.1.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

| FREQUENCY (MHz) | Class A (dBuV) | | Class B (dBuV) | | Standard |
|---|---|---|---|---|---|
| | Quasi-peak | Average | Quasi-peak | Average | |
| 0.15 -0.5 | 79.00 | 66.00 | 66 - 56 * | 56 - 46 * | CISPR |
| 0.50 -5.0 | 73.00 | 60.00 | 56.00 | 46.00 | CISPR |
| 5.0 -30.0 | 73.00 | 60.00 | 60.00 | 50.00 | CISPR |

| | | | | | |
|---|---|---|---|---|---|
| 0.15 -0.5 | 79.00 | 66.00 | 66 - 56 * | 56 - 46 * | FCC |
| 0.50 -5.0 | 73.00 | 60.00 | 56.00 | 46.00 | FCC |
| 5.0 -30.0 | 73.00 | 60.00 | 60.00 | 50.00 | FCC |

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.

#### 4.1.2 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|---|---|---|---|---|---|
| 1 | LISN | EMCO | 3816/2 | 00052765 | May.26.2012 |
| 2 | LISN | R&S | ENV216 | 100087 | May.26.2012 |
| 3 | Test Cable | N/A | C_17 | N/A | Mar.30.2013 |
| 4 | EMI TEST RECEIVER | R&S | ESCS30 | 826547/022 | May.26.2012 |
| 5 | 50Ω Terminator | SHX | TF2-3G-A | 08122902 | May.26.2012 |

Remark: ” N/A” denotes No Model Name. , Serial No. or No Calibration specified.

The following table is the setting of the receiver

| Receiver Parameters | Setting |
|---|---|
| Attenuation | 10 dB |
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 kHz |

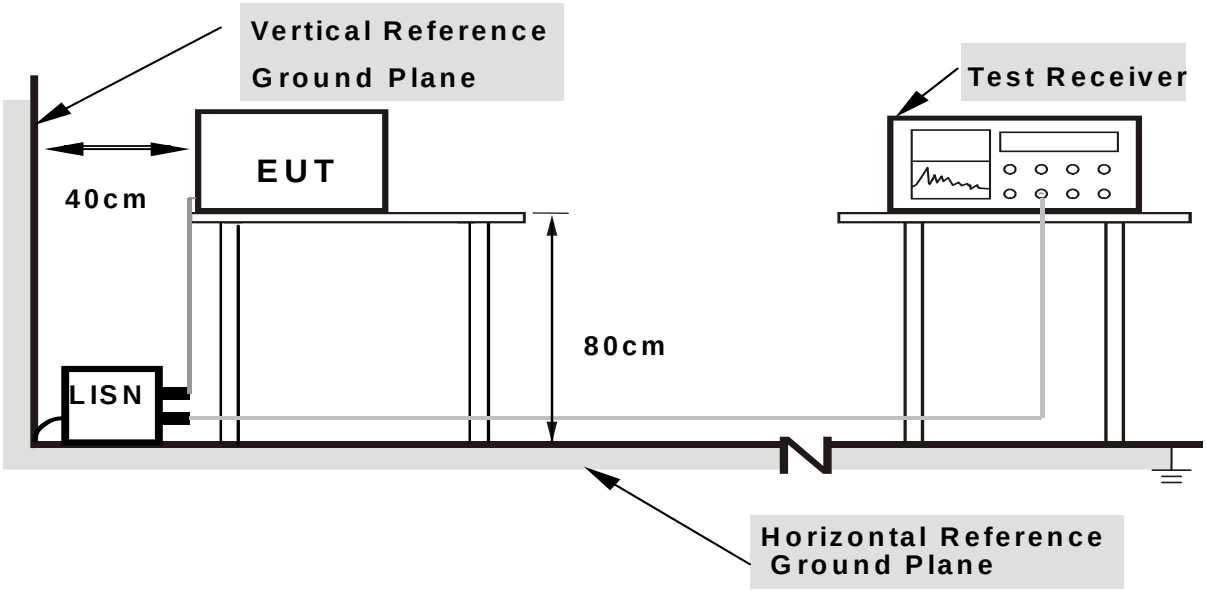
4.1.3 TEST PROCEDURE

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 equipments 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.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP




**Note: 1.Support units were connected to second LISN.**

**2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes**

4.1.6 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

The EUT was programmed to be in continuously transmitting mode.

4.1.7 TEST RESULTS

| | | | |
|---|---|---|---|
| EUT： | LuxeMatei8150 | Model Name. ： | GK-110010/T |
| Temperature： | -- | Relative Humidity： | -- |
| Pressure： | -- | Test Power ： | -- |
| Test Mode ： | N/A | | |

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report

Remark

(1) 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。

(2) Measuring frequency range from 150KHz to 30MHz.

(3) " N/A" denotes test is not applicable in this Test Report.

## 4.2 RADIATED EMISSION MEASUREMENT

### 4.2.1 RADIATED EMISSION LIMITS ( FCC 15.209 )

| Frequencies (MHz) | Field Strength (micorvolts/meter) | Measurement Distance (meters) |
|---|---|---|
| 0.009~0.490 | 2400/F(KHz) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| Above 960 | 500 | 3 |

Harmonic emissions limits comply with below 54 dBuV/m at 3m. Other emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or comply with the radiated emissions limits specified in section 15.209(a) limit in the table below has to be followed.

Note:

(1) The tighter limit applies at the band edges.

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

LIMITS OF RADIATED EMISSION MEASUREMENT ( FCC 15.209 )

| FREQUENCY (MHz) | (dBuV/m) (at 3m) | |
|---|---|---|
| | PEAK | AVERAGE |
| Above 1000 | 74 | 54 |

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

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

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC Part 15.249)

| FCC Part15 (15.249) , Subpart C | |
|---|---|
| Limit | Frequency Range (MHz) |
| Field strength of fundamental 50000 μV/m (94 dBμV/m) @ 3 m | 2400-2483.5 |
| Field strength of harmonics 500 μV/m (54 dBμV/m) @ 3 m | Above 2483.5 |

4.2.2 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|---|---|---|---|---|---|
| 1 | Antenna | Schwarbeck | VULB9160 | 9160-3232 | Jun .04.2012 |
| 2 | Amplifier | HP | 8447D | 2944A09673 | May.26.2012 |
| 3 | Test Receiver | R&S | ESCI | 100382 | May.26.2012 |
| 4 | Test Cable | N/A | C-01_CB03 | N/A | Jul.01.2012 |
| 5 | Antenna | ETS | 3115 | 00075789 | May.26.2012 |
| 6 | Amplifier | Agilent | 8449B | 3008A02274 | May.26.2012 |
| 7 | Spectrum | Agilent | E4408B | US39240143 | Nov.25.2012 |
| 8 | Test Cable | HUBER+SUHNER | C-45 | N/A | May.04.2012 |
| 9 | Controller | CT | SC100 | N/A | N/A |
| 10 | Triple Loop Antenna | Schwarzbeck | HXYZ9170 | 9170-110 | May.26.2012 |
| 11 | Active Loop Antenna | R&S | HFH2-Z2 | 830749/020 | May.26.2012 |

Remark: ” N/A” denotes No Model Name. / Serial No. and No Calibration specified.

| Spectrum Parameter | Setting |
|---|---|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RB / VB (emission in restricted band) | 1 MHz / 1 MHz for Peak, Average=PK-duty cycle |

| Receiver Parameter | Setting |
|---|---|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~90kHz for PK/AVG detector |
| Start ~ Stop Frequency | 90kHz~110kHz for QP detector |
| Start ~ Stop Frequency | 110kHz~490kHz for PK/AVG detector |
| Start ~ Stop Frequency | 490kHz~30MHz for QP detector |
| Start ~ Stop Frequency | 30MHz~1000MHz for QP detector |

DUTY CYCLE: TX 2476MHz (1Mbps)

Dwell time=ON/ON+OFF

ON: 0.4msec

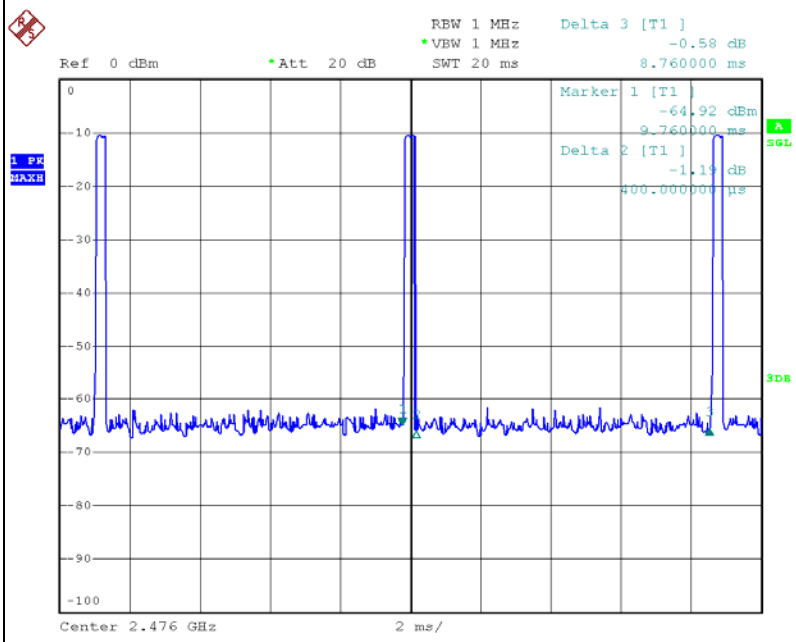
ON+OFF: (total time):8.76msec

Dwell time: 4.57%

AV=PK+20 log(Dwell time)

AV=PK-26.81

**Total time(ON+OFF)= 8.76 msec**



4.2.3 TEST PROCEDURE

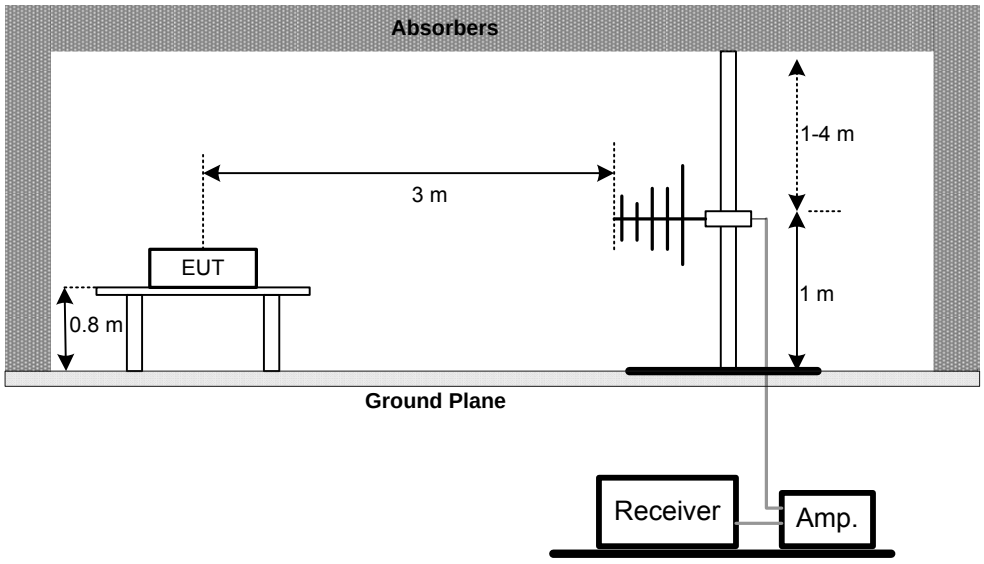
a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
c. 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.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.4 DEVIATION FROM TEST STANDARD

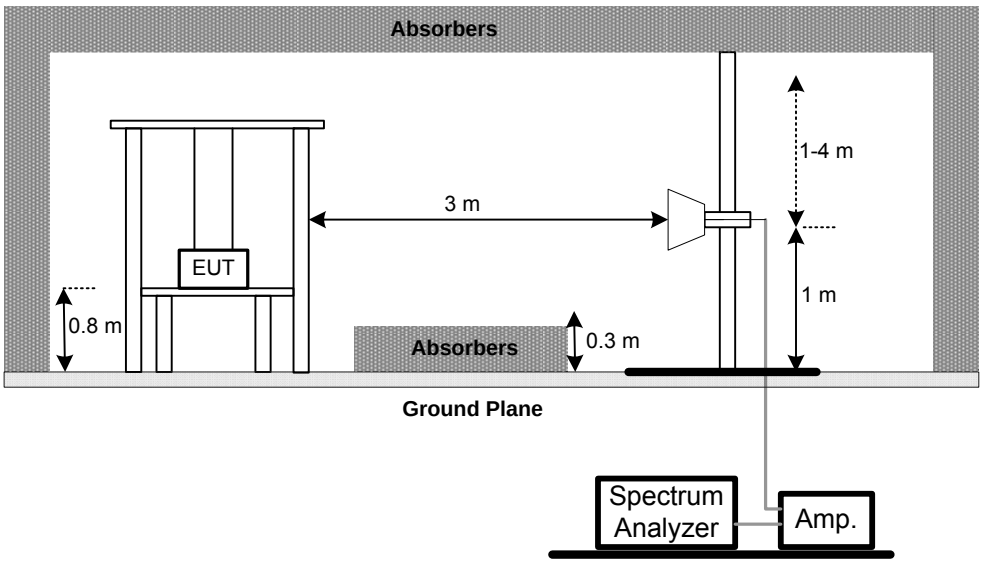
No deviation

4.2.5 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz




(B) Radiated Emission Test Set-Up Frequency Above 1 GHz




4.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.6** Unless otherwise a special operating condition is specified in the follows during the testing.

4.2.7 TEST RESULTS (BELOW 30MHz)

| EUT： | 150Mbps Wireless-N Outdoor Access Point | Model Name ： | WF-2301 |
|---|---|---|---|
| Temperature： | 25 ℃ | Relative Humidity： | 55 % |
| Pressure： | 1010 hPa | Test Voltage ： | AC 120V/60Hz |
| Test Mode ： | TX Mode | | |

| Freq. (MHz) | Ant. 0°/90° | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|---|---|---|---|---|---|---|---|
| 0.010 | 0° | 20.19 | 24.30 | 44.49 | 127.96 | -83.47 | AVG |
| 0.010 | 0° | 22.69 | 24.30 | 46.99 | 147.96 | -100.97 | PK |
| 0.024 | 0° | 18.24 | 24.07 | 42.31 | 120.15 | -77.84 | AVG |
| 0.024 | 0° | 21.05 | 24.07 | 45.12 | 140.15 | -95.03 | PK |
| 0.037 | 0° | 18.55 | 23.19 | 41.74 | 116.13 | -74.39 | AVG |
| 0.037 | 0° | 22.52 | 23.19 | 45.71 | 136.13 | -90.42 | PK |
| 0.07 | 0° | 19.37 | 22.06 | 41.43 | 111.06 | -69.63 | AVG |
| 0.07 | 0° | 24.18 | 22.06 | 46.24 | 131.06 | -84.82 | PK |
| 0.26 | 0° | 21.40 | 20.39 | 41.79 | 99.44 | -57.65 | AVG |
| 0.26 | 0° | 23.69 | 20.39 | 44.08 | 119.44 | -75.36 | PK |
| 1.26 | 0° | 24.53 | 19.57 | 44.10 | 65.62 | -21.51 | QP |

| Freq. (MHz) | Ant. 0°/90° | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|---|---|---|---|---|---|---|---|
| 0.010 | 90° | 17.24 | 24.30 | 41.54 | 127.84 | -86.30 | AVG |
| 0.010 | 90° | 21.64 | 24.30 | 45.94 | 147.84 | -101.90 | PK |
| 0.026 | 90° | 15.37 | 23.94 | 39.31 | 119.39 | -80.08 | AVG |
| 0.026 | 90° | 19.58 | 23.94 | 43.52 | 139.39 | -95.87 | PK |
| 0.035 | 90° | 18.49 | 23.36 | 41.85 | 116.74 | -74.90 | AVG |
| 0.035 | 90° | 22.54 | 23.36 | 45.90 | 136.74 | -90.85 | PK |
| 0.06 | 90° | 20.68 | 22.11 | 42.79 | 111.38 | -68.59 | AVG |
| 0.06 | 90° | 24.52 | 22.11 | 46.63 | 131.38 | -84.75 | PK |
| 0.24 | 90° | 21.31 | 20.43 | 41.74 | 100.15 | -58.41 | AVG |
| 0.24 | 90° | 23.68 | 20.43 | 44.11 | 120.15 | -76.04 | PK |
| 1.25 | 90° | 23.76 | 19.57 | 43.33 | 65.64 | -22.30 | QP |

Remark：

(1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported。

(2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB);。

(3) Limit line = specific limits (dBuV) + distance extrapolation factor.。

4.2.8 TEST RESULTS (BETWEEN 30 – 1000 MHz)

| | | | |
|---|---|---|---|
| EUT： | LuxeMatei8150 | Model Name. ： | GK-110010/T |
| Temperature： | 25℃ | Relative Humidity： | 58 % |
| Pressure： | 1009 hPa | Test Power ： | DC 1.5V |
| Test Mode ： | TX Mode 2405MHz | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|---|---|---|---|---|---|---|---|
| 131.85 | V | 37.40 | -18.03 | 19.37 | 43.50 | - 24.13 | |
| 204.60 | V | 39.40 | -16.44 | 22.96 | 43.50 | - 20.54 | |
| 323.43 | V | 36.34 | -11.49 | 24.85 | 46.00 | - 21.15 | |
| 512.58 | V | 35.10 | -6.89 | 28.21 | 46.00 | - 17.79 | |
| 706.58 | V | 35.04 | -3.09 | 31.95 | 46.00 | - 14.05 | |
| 864.20 | V | 33.40 | -0.65 | 32.75 | 46.00 | - 13.25 | |

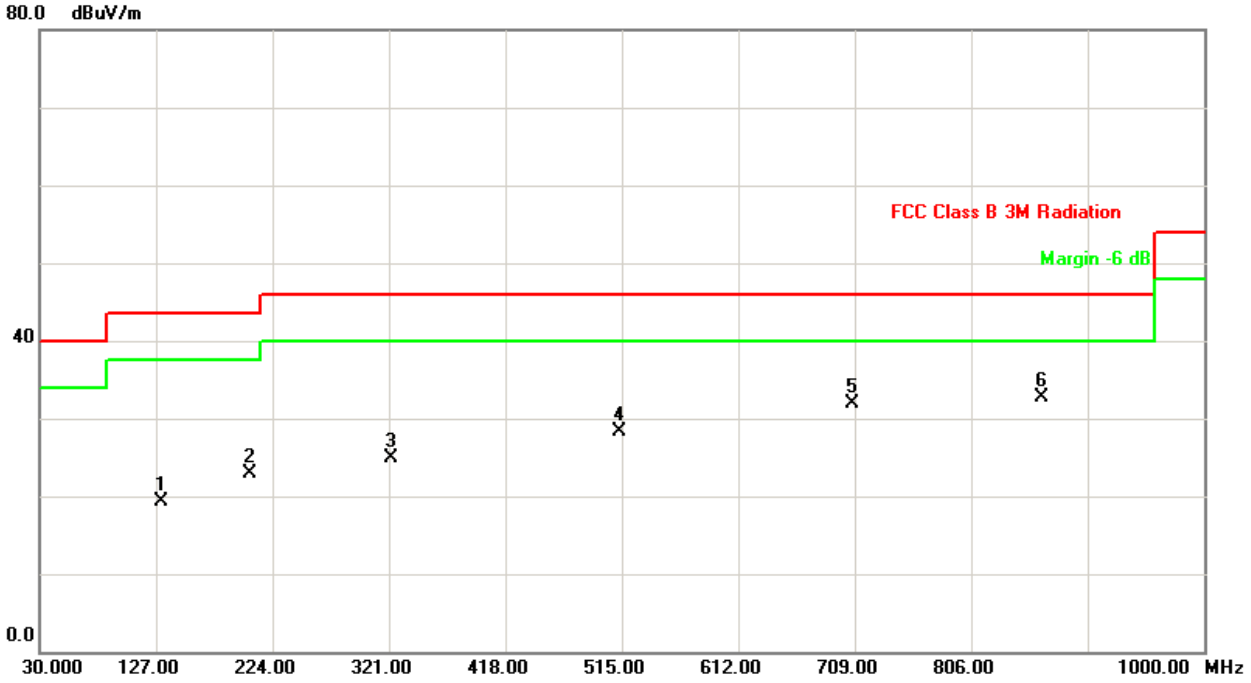
Remark：

(1) 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。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; " H" denotes spurious frequency. "E" denotes band edge frequency.

(3) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission 。

(4) Data of measurement within this frequency range shown " - " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



| EUT： | LuxeMatei8150 | Model Name. ： | GK-110010/T |
|---|---|---|---|
| Temperature： | 25℃ | Relative Humidity： | 58 % |
| Pressure： | 1009 hPa | Test Power ： | DC 1.5V |
| Test Mode ： | TX Mode 2405MHz | | |

| Freq. (MHz) | Ant. H/V | Reading(RA) (dBuV) | Corr.Factor(CF) (dB) | Measured(FS) (dBuV/m) | Limits(QP) (dBuV/m) | Margin (dB) | Note |
|---|---|---|---|---|---|---|---|
| 100.33 | H | 36.98 | -18.41 | 18.57 | 43.50 | - 24.93 | |
| 270.08 | H | 31.64 | -13.28 | 18.36 | 46.00 | - 27.64 | |
| 466.50 | H | 35.84 | -7.87 | 27.97 | 46.00 | - 18.03 | |
| 650.80 | H | 34.40 | -3.34 | 31.06 | 46.00 | - 14.94 | |
| 733.25 | H | 33.77 | -2.77 | 31.00 | 46.00 | - 15.00 | |
| 854.50 | H | 33.58 | -0.80 | 32.78 | 46.00 | - 13.22 | |

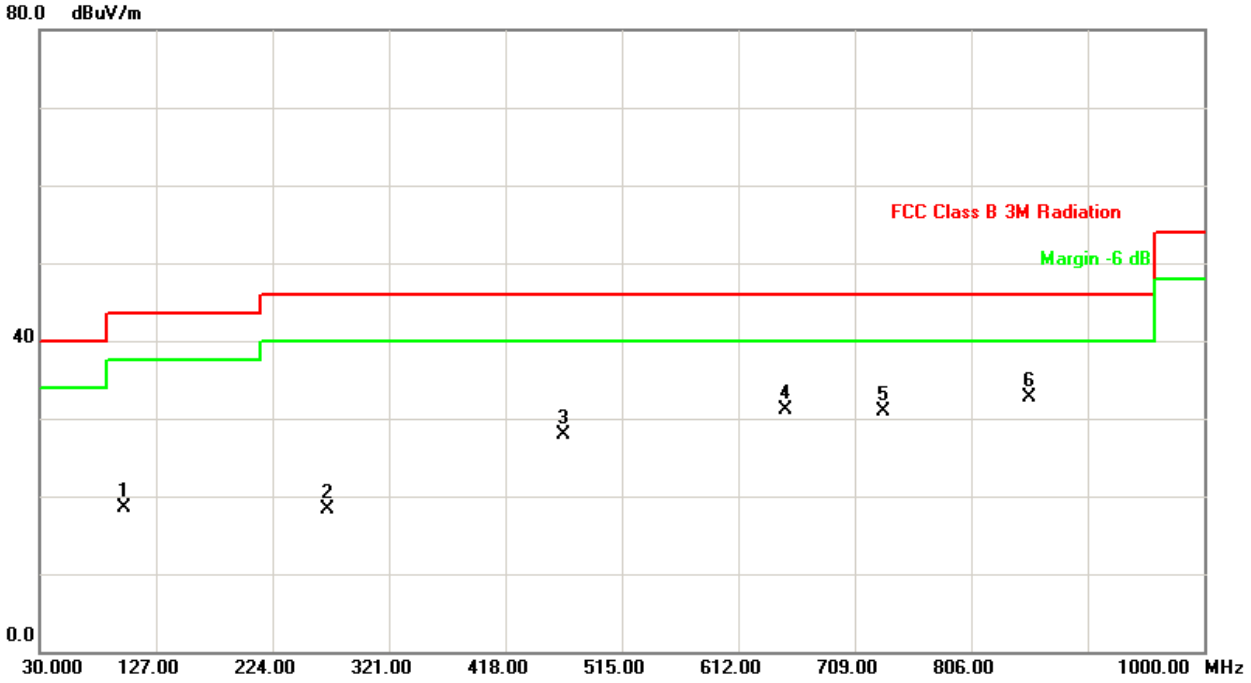
Remark：

(1) 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。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; " H" denotes spurious frequency. "E" denotes band edge frequency.

(3) Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Peak detector mode or QP detector mode of the emission 。

(4) Data of measurement within this frequency range shown " - " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



4.2.9 TEST RESULTS (ABOVE 1000 MHz)

| | | | |
|---|---|---|---|
| EUT： | LuxeMatei8150 | Model Name. ： | GK-110010/T |
| Temperature： | 25℃ | Relative Humidity： | 51% |
| Pressure： | 1009 hPa | Test Power ： | DC 1.5V |
| Test Mode ： | TX 2405MHz | | |

| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|---|---|---|---|---|---|---|---|---|---|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2390.00 | V | 23.12 | -3.69 | 28.32 | 51.44 | 24.63 | 74.00 | 54.00 | X/E |
| 2398.00 | V | 31.82 | 5.01 | 28.30 | 60.12 | 33.31 | 74.00 | 54.00 | X/E |
| 2400.00 | V | 25.35 | -1.46 | 28.30 | 53.65 | 26.84 | 74.00 | 54.00 | X/E |
| **2405.00** | **V** | **53.37** | **26.56** | **28.29** | **81.66** | **54.85** | **114.00** | **94.00** | **X/F** |
| 4809.65 | V | 43.41 | 16.60 | 5.23 | 48.64 | 21.83 | 74.00 | 54.00 | X/H |

Remark：

(1) 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。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

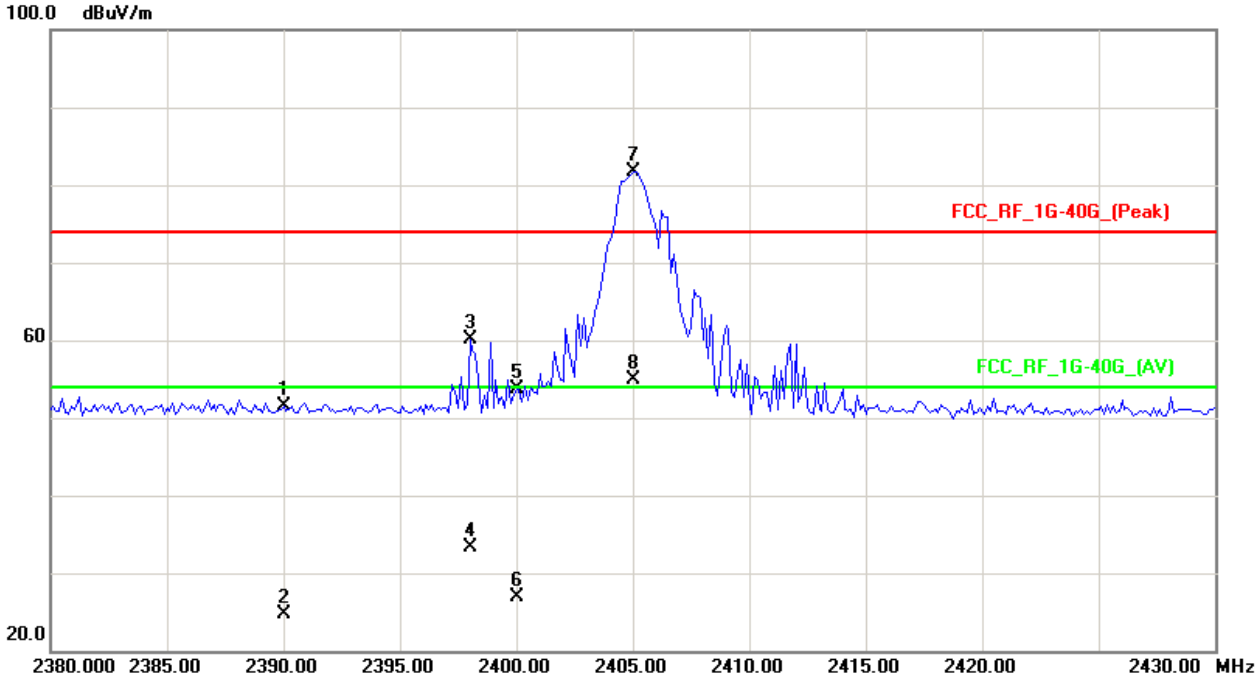
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

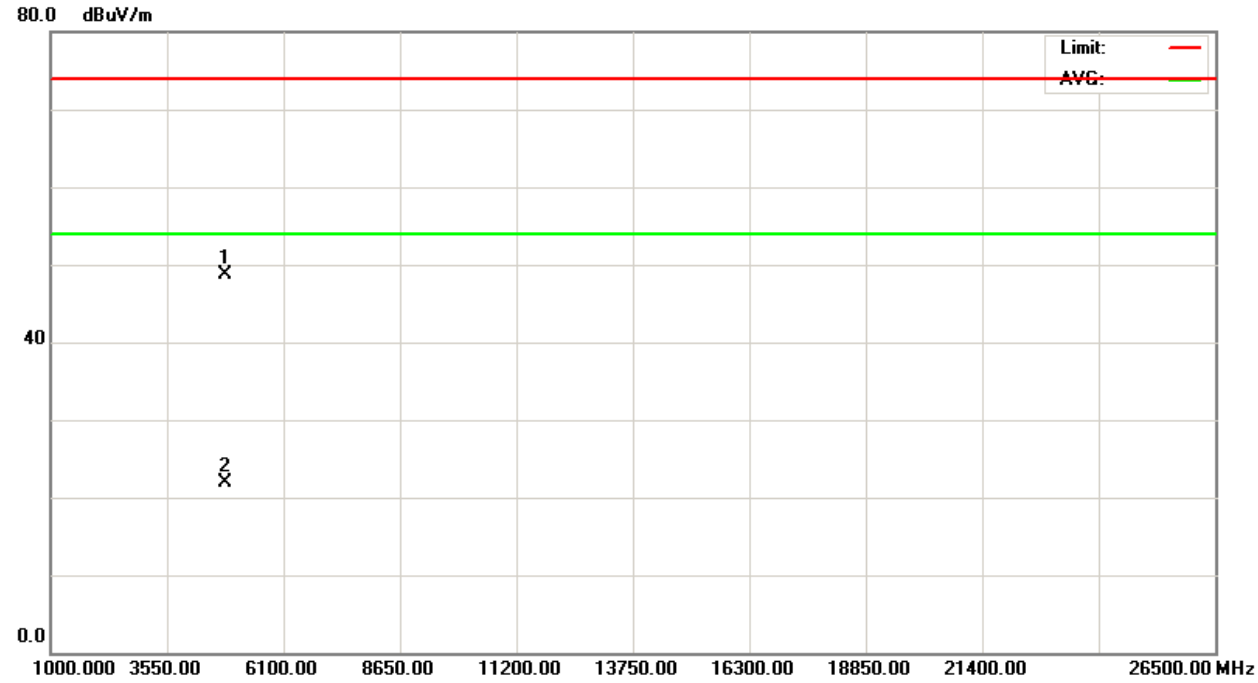
(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

(8) The average value of fundamental frequency is:
Average = Peak value + 20log(Duty cycle) ，Final AV=PK-26.81

**Orthogonal Axis：X**
**TX 2405MHz (Above 1000 MHz, Vertical)**



| EUT： | LuxeMatei8150 | Model Name. ： | GK-110010/T |
|---|---|---|---|
| Temperature： | 25℃ | Relative Humidity： | 51% |
| Pressure： | 1009 hPa | Test Power ： | DC 1.5V |
| Test Mode ： | TX 2405MHz | | |

| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|---|---|---|---|---|---|---|---|---|---|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 2390.00 | H | 22.20 | -4.61 | 28.32 | 50.52 | 23.71 | 74.00 | 54.00 | X/E |
| 2399.00 | H | 37.77 | 10.98 | 28.30 | 66.07 | 39.28 | 74.00 | 54.00 | X/E |
| 2400.00 | H | 32.08 | 5.27 | 28.30 | 60.38 | 33.57 | 74.00 | 54.00 | X/E |
| **2404.88** | **H** | **59.64** | **32.80** | **28.29** | **87.93** | **61.09** | **114.00** | **94.00** | **X/F** |
| 4810.05 | H | 43.39 | 16.58 | 5.23 | 48.62 | 21.81 | 74.00 | 54.00 | X/H |

Remark：

(1) 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。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

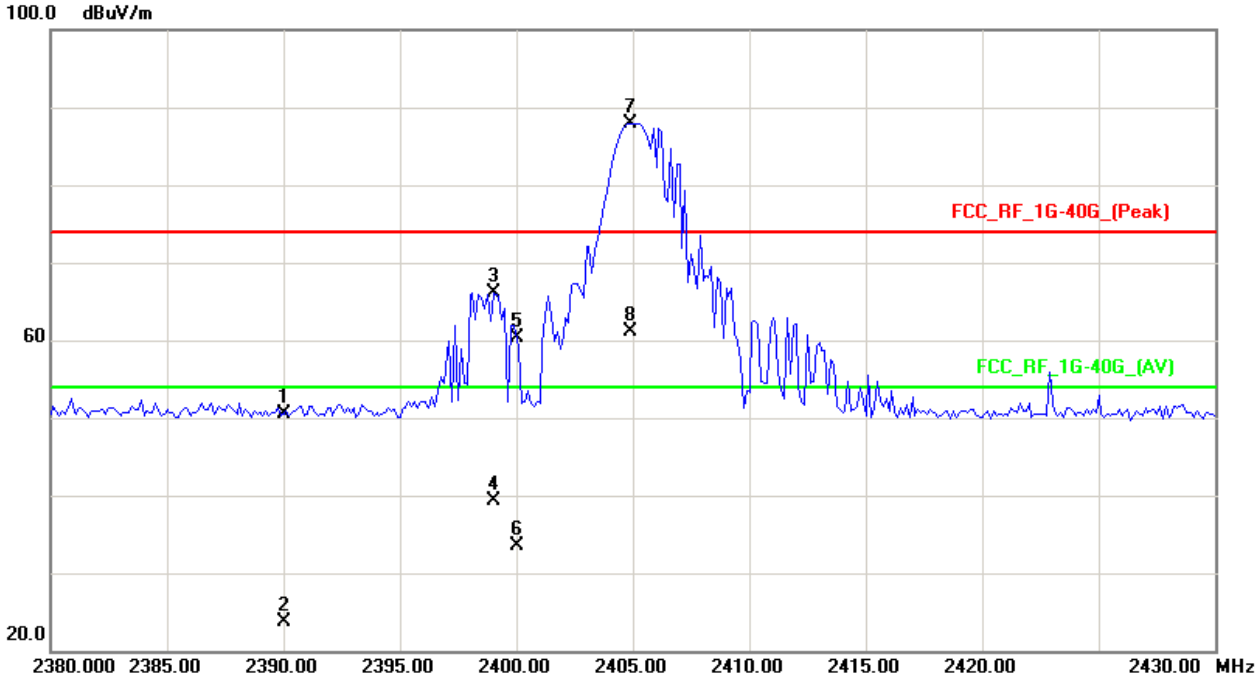
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

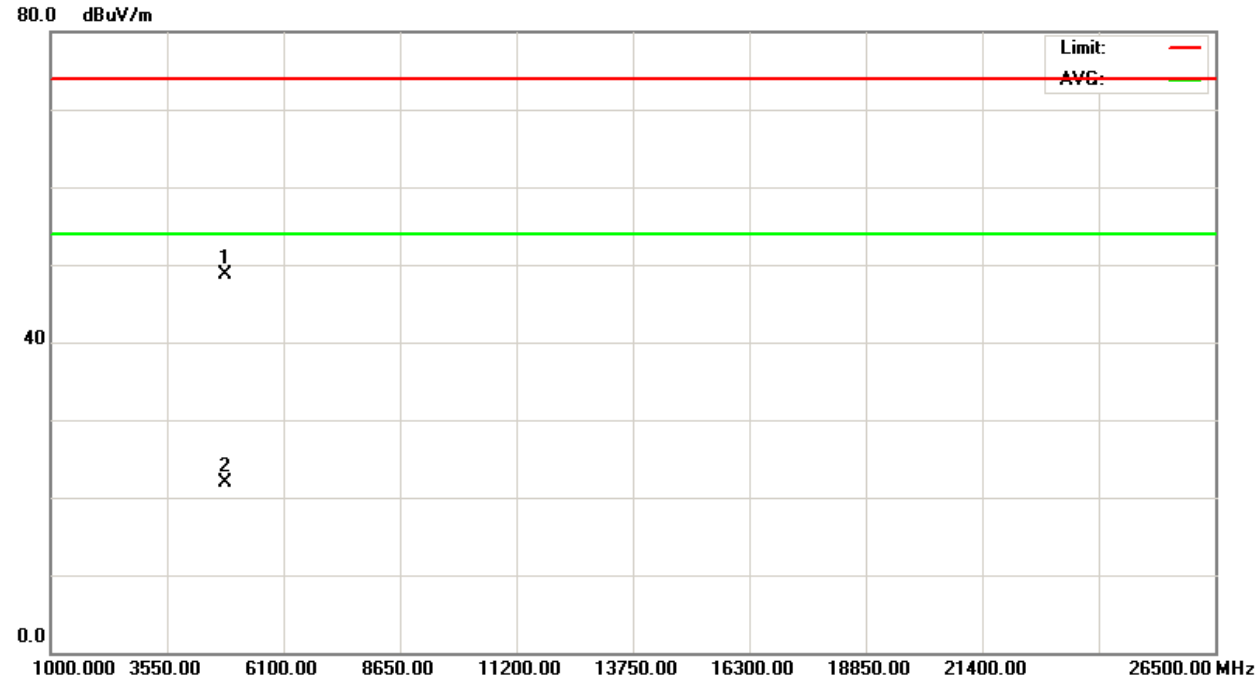
(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

(8) The average value of fundamental frequency is:
Average = Peak value + 20log(Duty cycle) ，Final AV=PK-26.81

**Orthogonal Axis：X**
**TX 2405MHz (Above 1000 MHz, Horizontal)**



| | | | |
|---|---|---|---|
| EUT： | LuxeMatei8150 | Model Name. ： | GK-110010/T |
| Temperature： | 25℃ | Relative Humidity： | 58 % |
| Pressure： | 1009 hPa | Test Power ： | DC 1.5V |
| Test Mode ： | TX 2439MHz | | |

| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|---|---|---|---|---|---|---|---|---|---|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| **2439.13** | **V** | **52.70** | **25.89** | **28.22** | **80.92** | **54.11** | **114.00** | **94.00** | **X/F** |
| 4878.14 | V | 41.38 | 14.57 | 5.49 | 46.87 | 20.06 | 74.00 | 54.00 | X/H |

Remark：

(1) 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。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

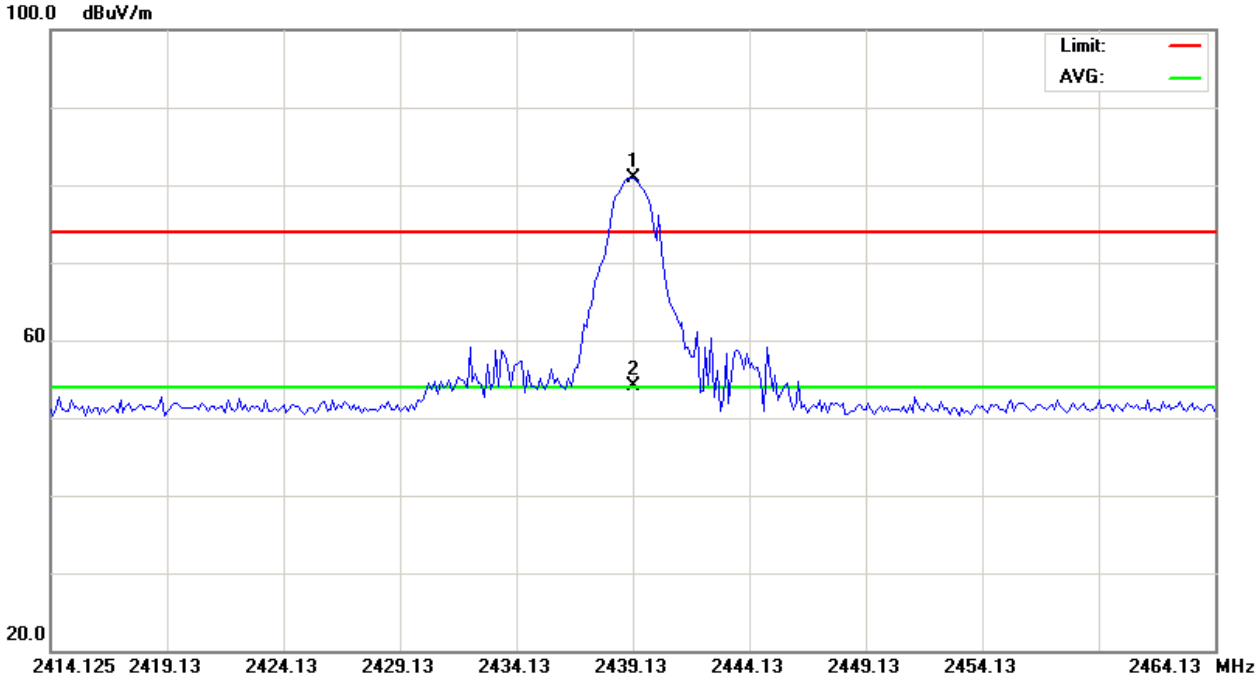
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

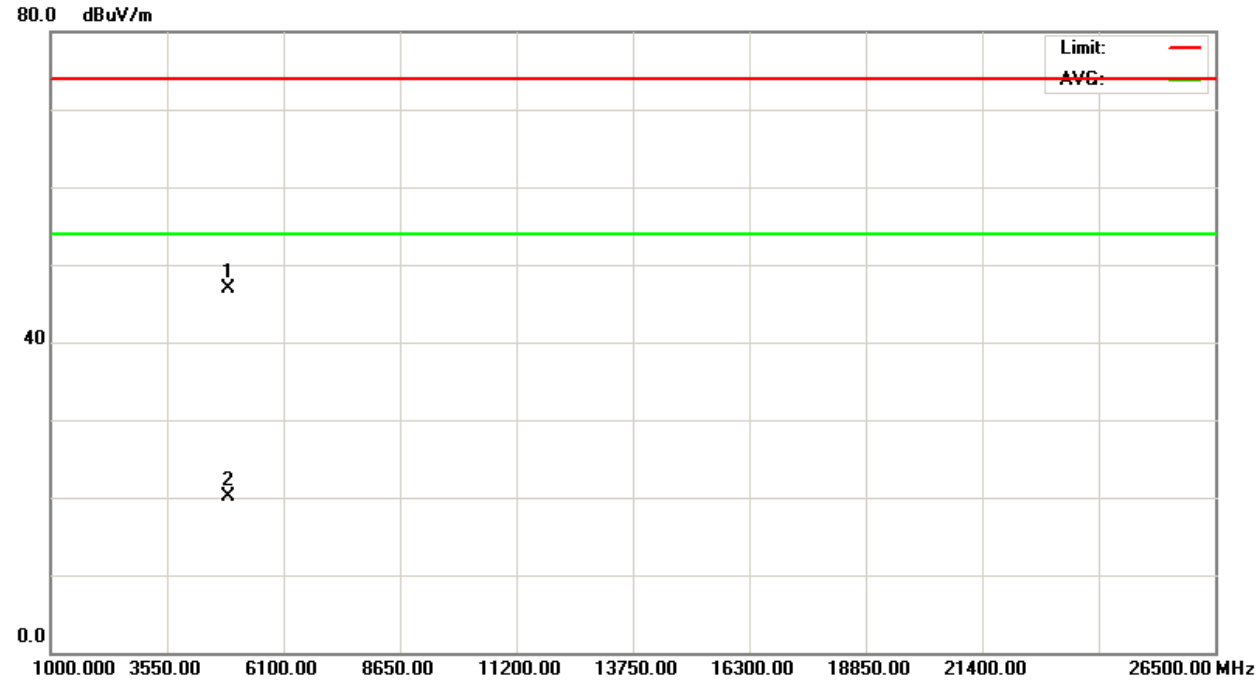
(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

(8) The average value of fundamental frequency is:
Average = Peak value + 20log(Duty cycle) ，Final AV=PK-26.81

**Orthogonal Axis：X**
**TX 2439MHz (Above 1000 MHz, Vertical)**



| EUT： | LuxeMatei8150 | Model Name. ： | GK-110010/T |
|---|---|---|---|
| Temperature： | 25℃ | Relative Humidity： | 58 % |
| Pressure： | 1009 hPa | Test Power ： | DC 1.5V |
| Test Mode ： | TX 2439MHz | | |

| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|---|---|---|---|---|---|---|---|---|---|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| **2439.13** | **H** | **59.18** | **32.37** | **28.22** | **87.40** | **60.59** | **114.00** | **94.00** | **X/F** |
| 4877.65 | H | 42.02 | 15.21 | 5.49 | 47.51 | 20.70 | 74.00 | 54.00 | X/H |

Remark：

(1) 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。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

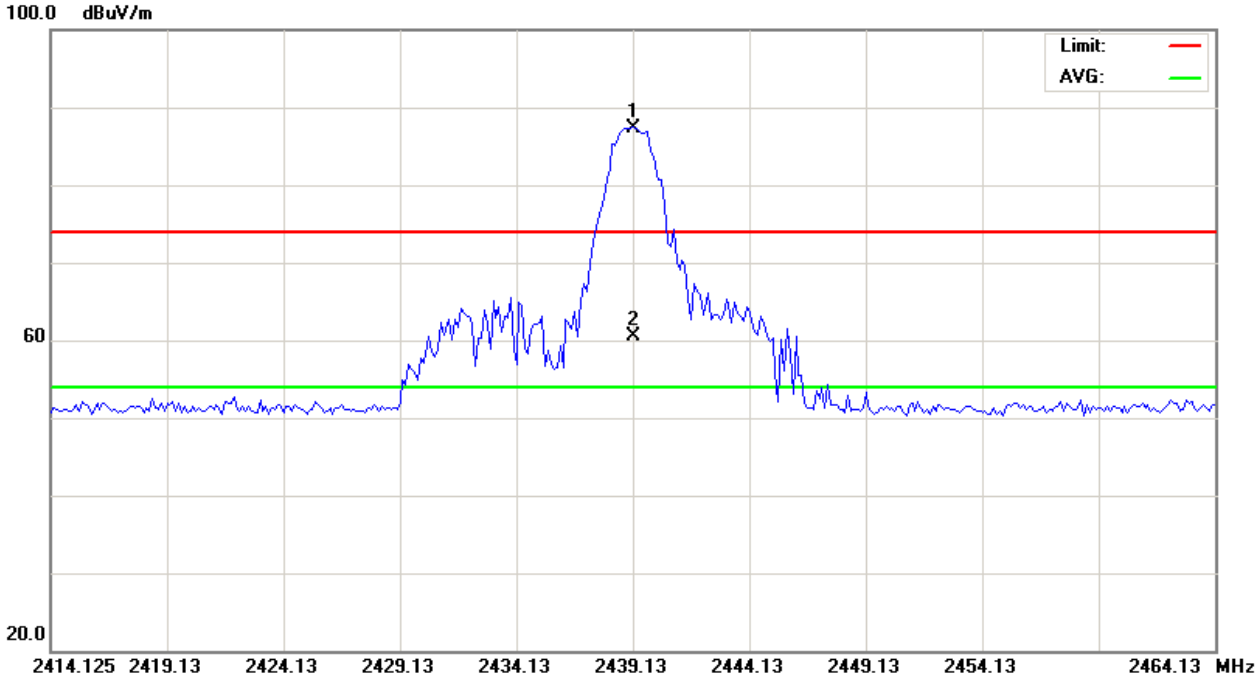
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

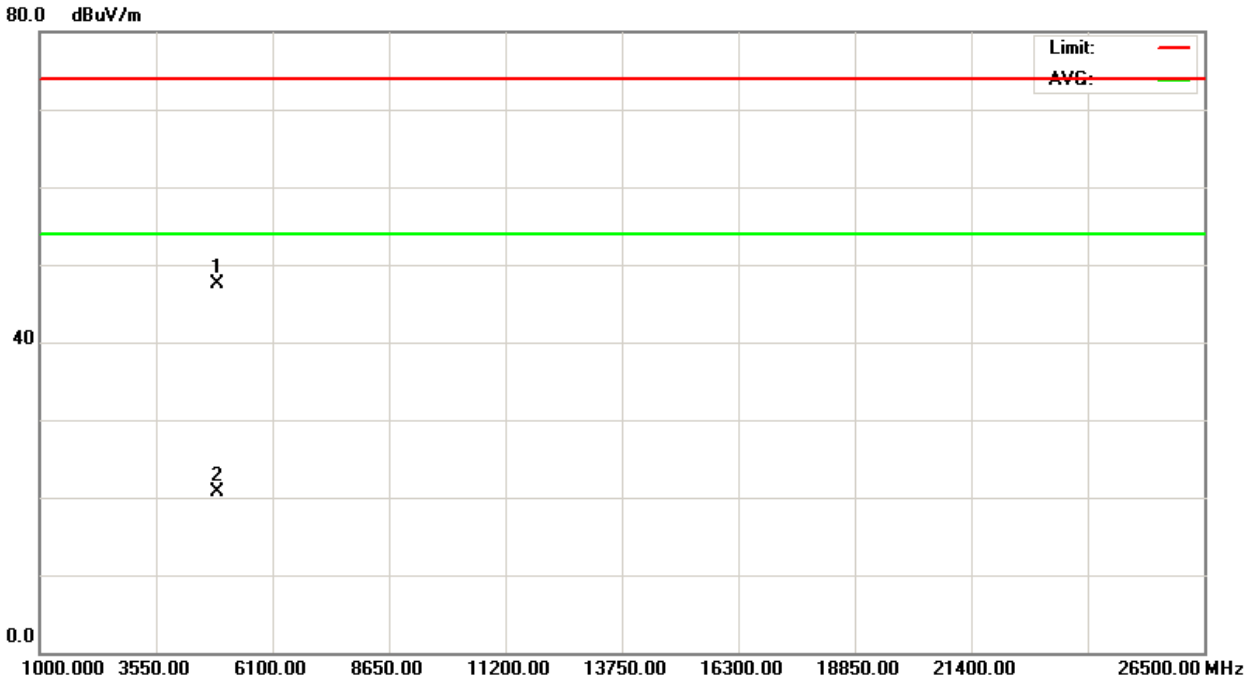
(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

(8) The average value of fundamental frequency is:
Average = Peak value + 20log(Duty cycle) ，Final AV=PK-26.81

**Orthogonal Axis：X**
**TX 2439MHz (Above 1000 MHz, Horizontal)**



| EUT： | LuxeMatei8150 | Model Name. ： | GK-110010/T |
|---|---|---|---|
| Temperature： | 25℃ | Relative Humidity： | 58 % |
| Pressure： | 1009 hPa | Test Power ： | DC 1.5V |
| Test Mode ： | TX 2476MHz | | |

| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|---|---|---|---|---|---|---|---|---|---|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| **2476.00** | **V** | **51.96** | **25.15** | **28.15** | **80.11** | **53.30** | **114.00** | **94.00** | **X/F** |
| 2481.25 | V | 29.16 | 2.35 | 28.14 | 57.30 | 30.49 | 114.00 | 94.00 | X/E |
| 2483.50 | V | 22.71 | -4.10 | 28.13 | 50.84 | 24.03 | 74.00 | 54.00 | X/E |
| 4952.34 | V | 43.27 | 16.16 | 5.76 | 49.03 | 21.92 | 74.00 | 54.00 | X/H |

Remark：

(1) 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。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

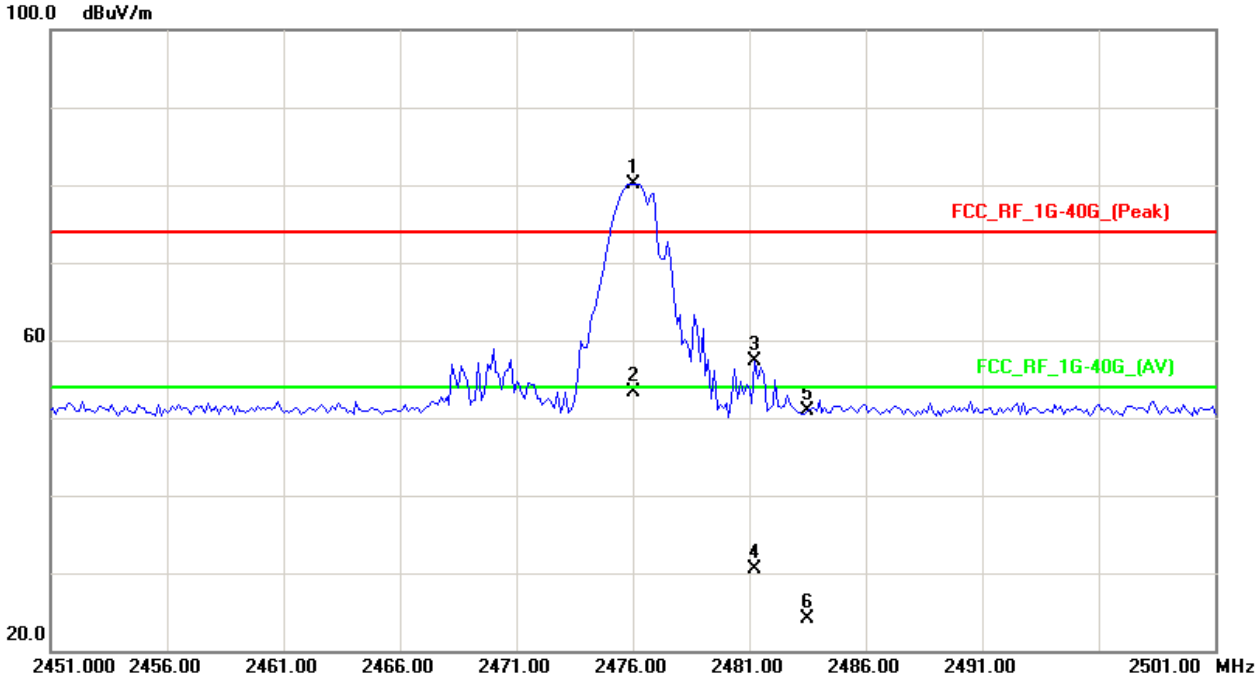
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

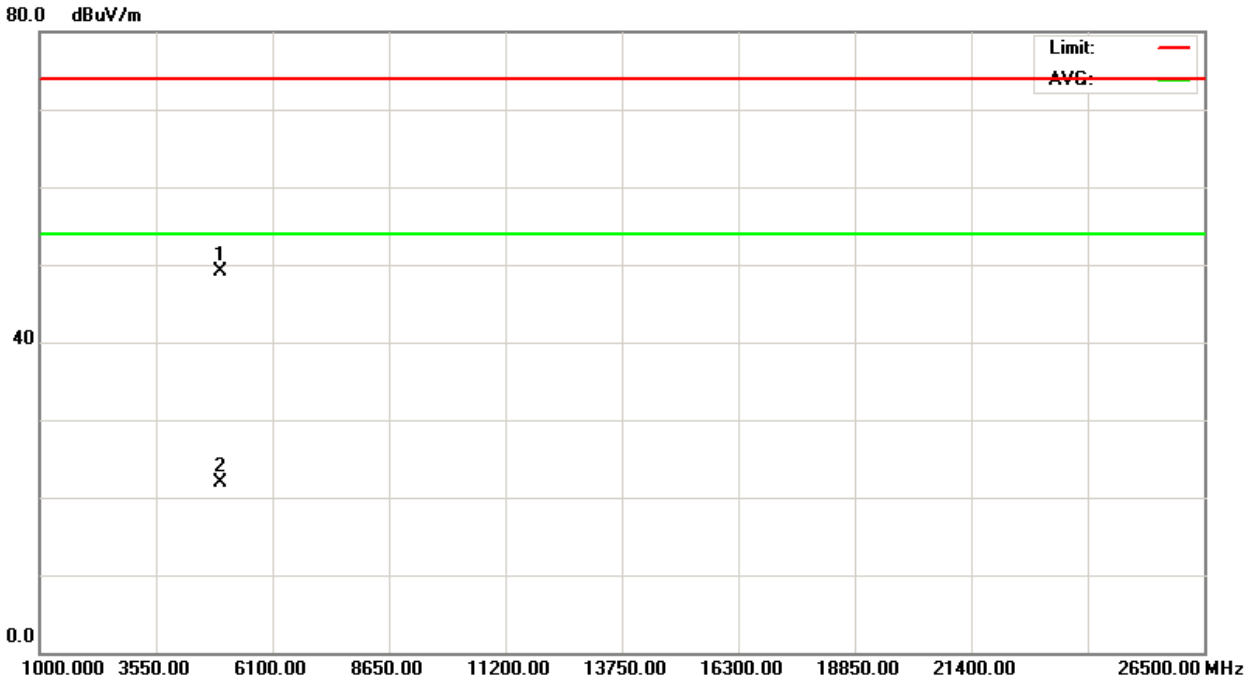
(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

(8) The average value of fundamental frequency is:
Average = Peak value + 20log(Duty cycle) ，Final AV=PK-26.81

**Orthogonal Axis：X**
**TX 2476MHz (Above 1000 MHz, Vertical)**



| | | | |
|---|---|---|---|
| EUT： | LuxeMatei8150 | Model Name. ： | GK-110010/T |
| Temperature： | 25℃ | Relative Humidity： | 58 % |
| Pressure： | 1009 hPa | Test Power ： | DC 1.5V |
| Test Mode ： | TX 2476MHz | | |

| Freq. | Ant.Pol. | Reading | | Ant./CF | Act. | | Limit | | Note |
|---|---|---|---|---|---|---|---|---|---|
| | | Peak | AV | | Peak | AV | Peak | AV | |
| (MHz) | H/V | (dBuV) | (dBuV) | CF(dB) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| **2475.88** | **H** | **56.86** | **30.05** | **28.15** | **85.01** | **58.20** | **114.00** | **94.00** | **X/F** |
| 2481.38 | H | 32.39 | 5.58 | 28.14 | 60.53 | 33.72 | 114.00 | 94.00 | X/E |
| 2483.50 | H | 22.70 | -4.11 | 28.13 | 50.83 | 24.02 | 74.00 | 54.00 | X/E |
| 4951.87 | H | 42.68 | 15.87 | 5.75 | 48.43 | 21.62 | 74.00 | 54.00 | X/H |

Remark：

(1) 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。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

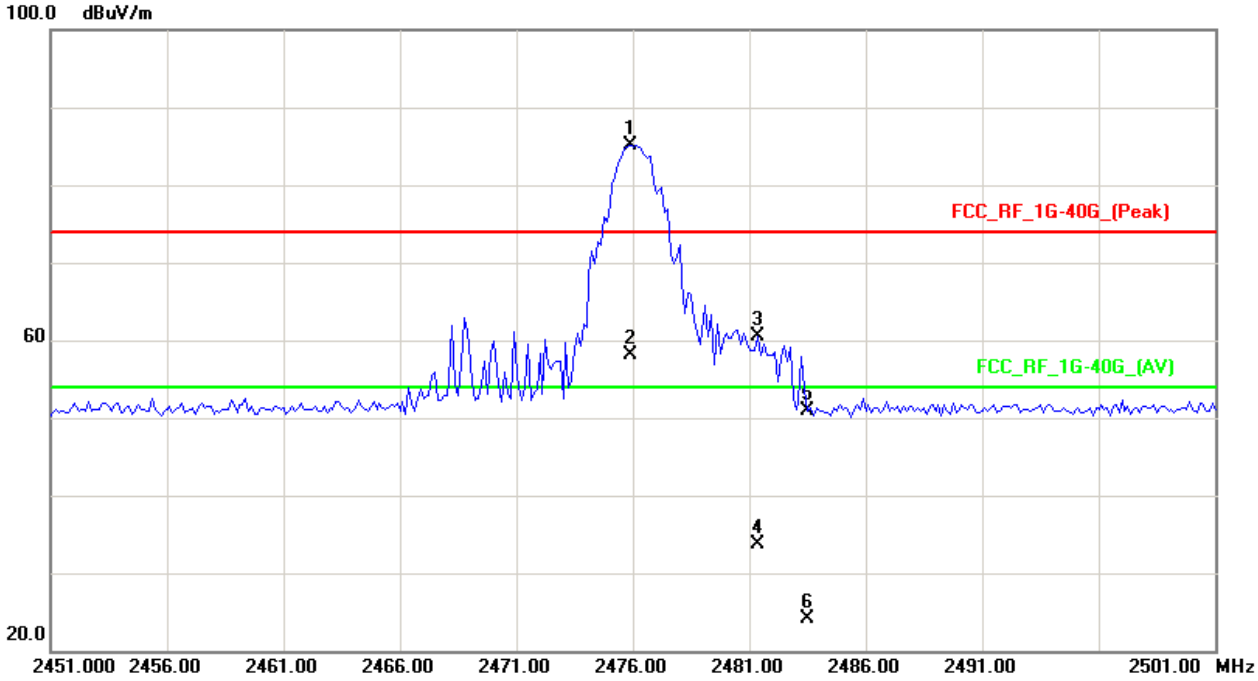
(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

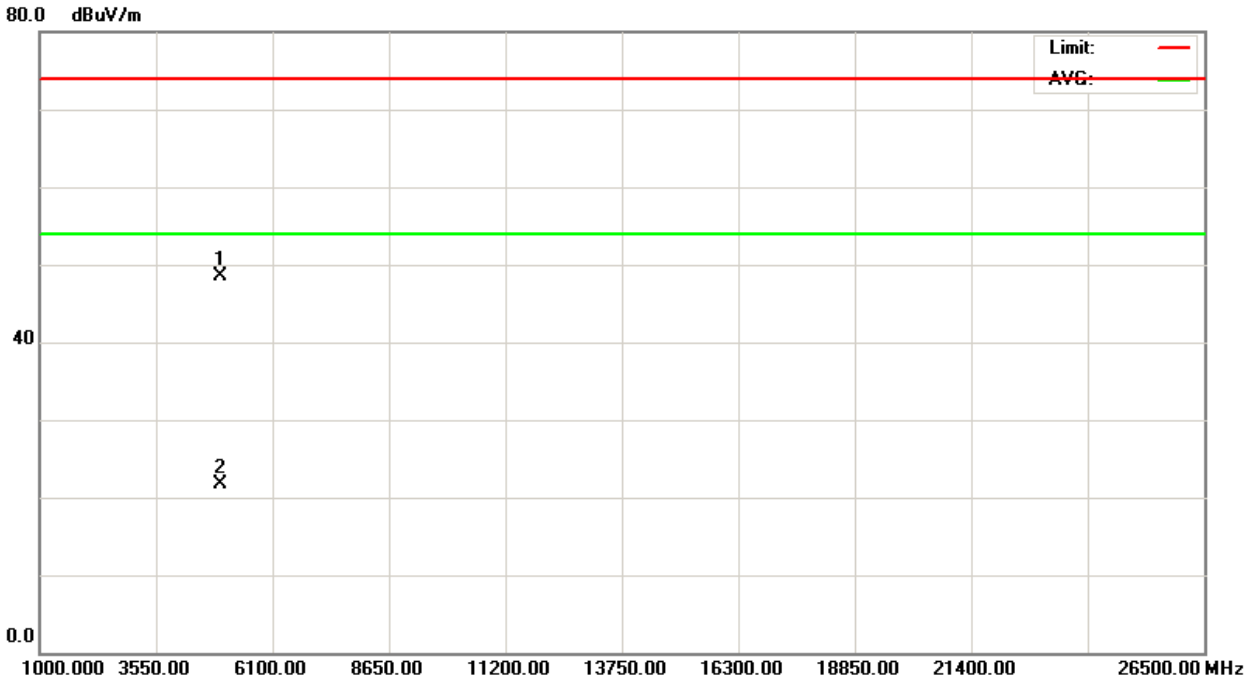
(6) EUT Orthogonal Axis：
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand

(7) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

(8) The average value of fundamental frequency is:
Average = Peak value + 20log(Duty cycle) ，Final AV=PK-26.81

**Orthogonal Axis：X**
**TX 2476MHz (Above 1000 MHz, Horizontal)**



## 5. BANDWIDTH TEST

5.1 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|---|---|---|---|---|---|
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov.25.2012 |

Remark: ” N/A” denotes No Model Name. , Serial No. or No Calibration specified.

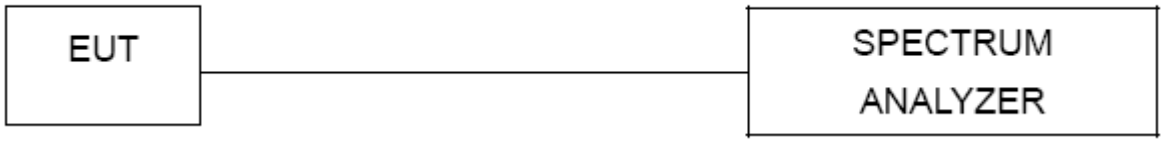
5.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = 2.5 ms.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP




5.5 EUT OPERATION CONDITIONS

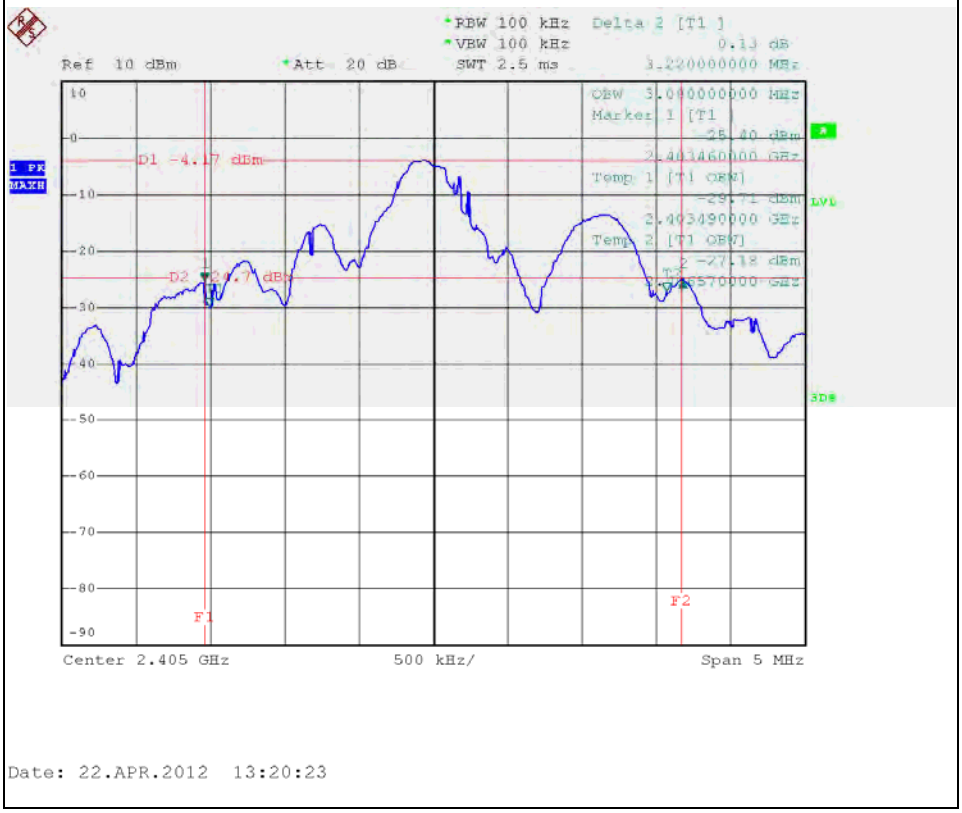
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

5.6 TEST RESULTS

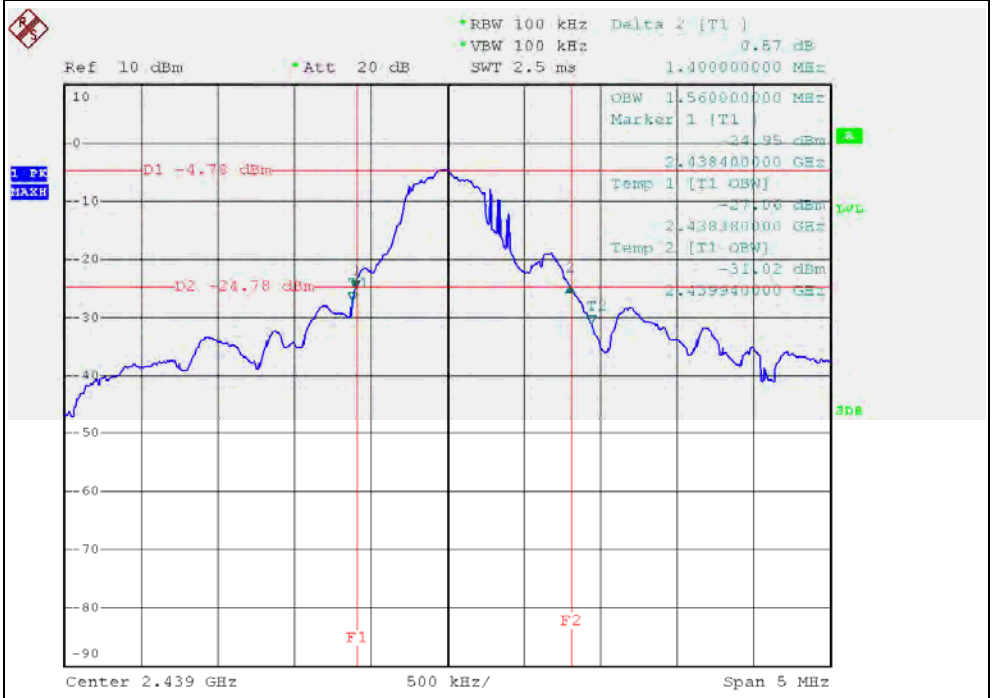
| | | | |
|---|---|---|---|
| EUT： | LuxeMatei8150 | Model Name. ： | GK-110010/T |
| Temperature： | 25 ℃ | Relative Humidity： | 55 % |
| Pressure： | 1009 hPa | Test Power ： | DC 1.5V |
| Test Mode ： | TX CH 01/39/64 | | |

| Test Channel | Frequency (MHz) | 20 dBc Bandwidth (MHz) |
|---|---|---|
| CH 01 | 2405 | 3.22 |
| CH 39 | 2439 | 1.40 |
| CH 64 | 2476 | 2.22 |

**TX CH01**

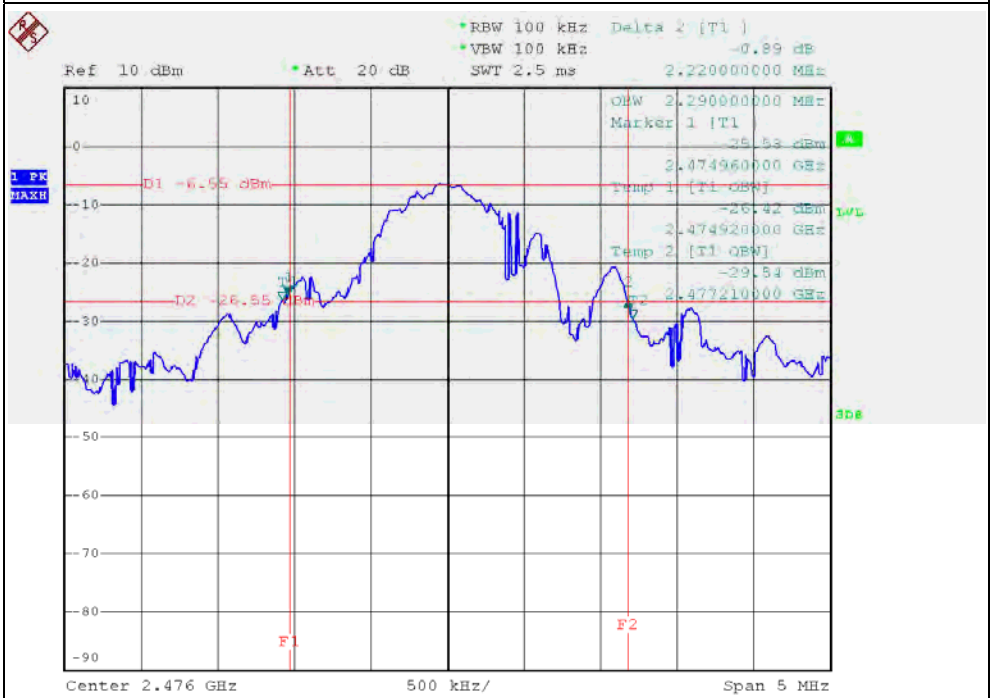


**TX CH 39**




Date: 22.APR.2012 13:35:28

**TX CH 64**




Date: 22.APR.2012 13:44:51

## 6. ANTENNA CONDUCTED SPURIOUS EMISSION

6.1 APPLIED PROCEDURES / LIMIT

50dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Frequencies (MHz) | Field Strength (micorvolts/meter) | Measurement Distance (meters) |
|---|---|---|
| 0.009~0.490 | 2400/F(KHz) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| Above 960 | 500 | 3 |

6.1.1 MEASUREMENT INSTRUMENTS LIST

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|---|---|---|---|---|---|
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100185 | Nov.25.2012 |

Remark: ” N/A” denotes No Model Name. , Serial No. or No Calibration specified.

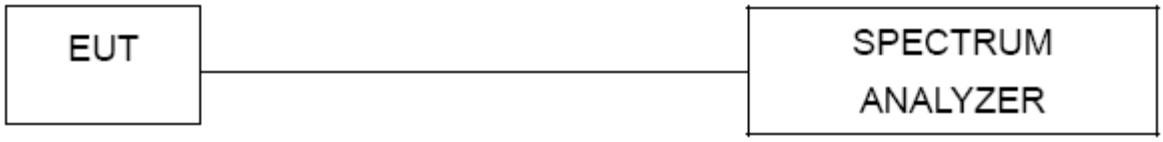
6.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 100KHz, VBW=100KHz, Sweep time = 200 ms.

6.1.3 DEVIATION FROM STANDARD

No deviation.

6.1.4 TEST SETUP




6.1.5 EUT OPERATION CONDITIONS

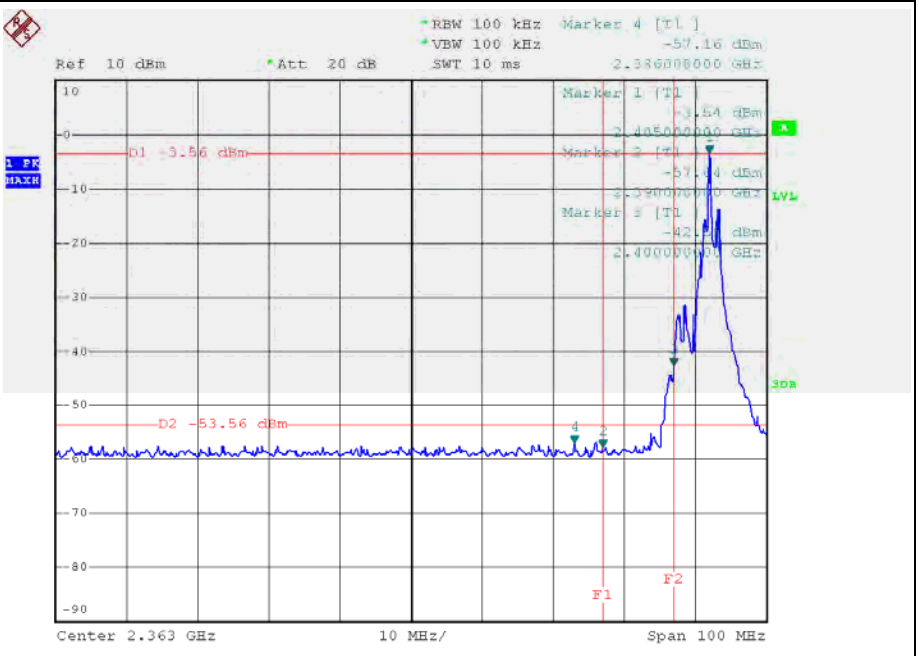
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.6 TEST RESULTS

| | | | |
|---|---|---|---|
| EUT： | LuxeMatei8150 | Model Name. ： | GK-110010/T |
| Temperature： | 25 ℃ | Relative Humidity： | 55 % |
| Pressure： | 1009 hPa | Test Power ： | DC 1.5V |
| Test Mode ： | TX CH 01, CH 39, CH 64 | | |

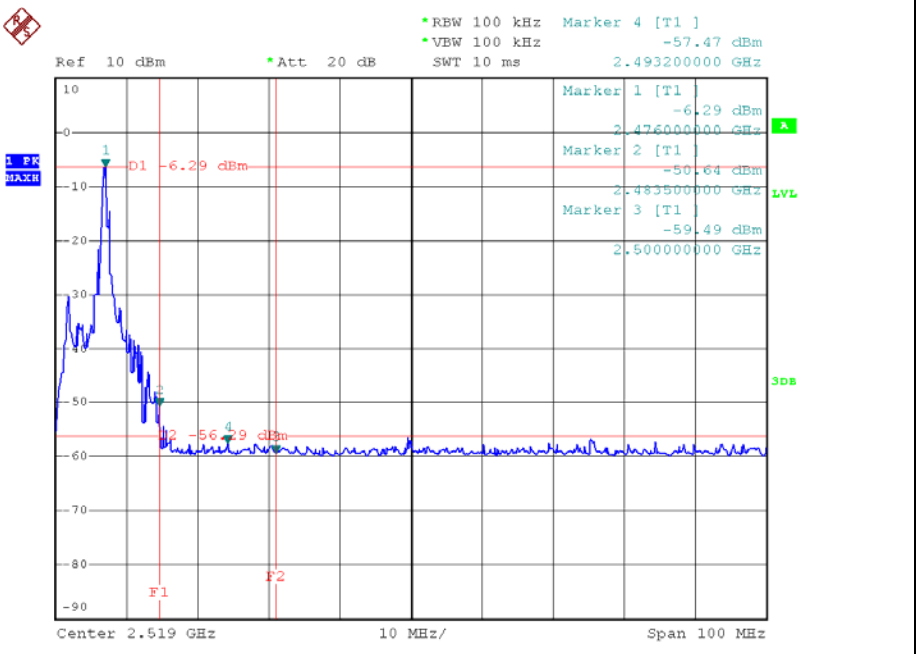
| Channel of Worst Data: CH 01 | | | |
|---|---|---|---|
| The max. radio frequency power in any 100kHz bandwidth within the frequency band | | The max. radio frequency power in any 100 kHz bandwidth within the frequency band. | |
| FREQUENCY(MHz) | POWER(dBm) | FREQUENCY(MHz) | POWER(dBm) |
| 2400.00 | -42.55 | 2483.50 | -50.64 |
| Result | | | |
| Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation. | | | |

**TX CH 01**



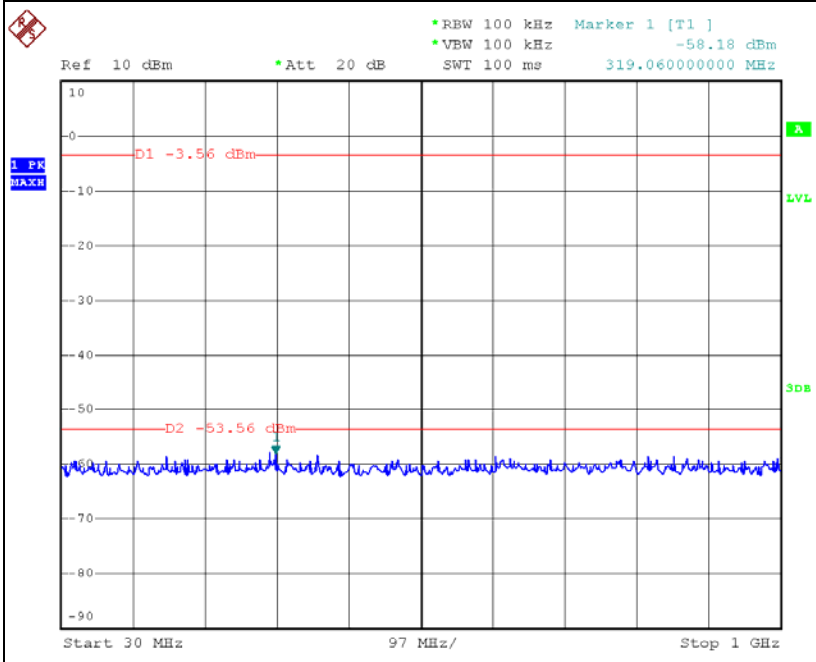

Date: 22.APR.2012 13:28:03

**TX CH 64**



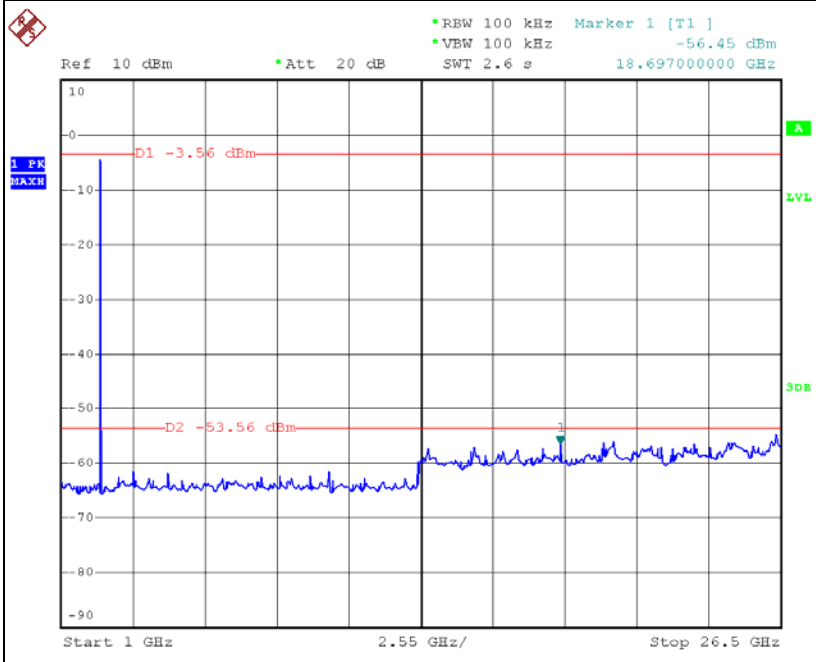

Date: 22.APR.2012 13:49:23

**TX CH 01 (30MHz~1GHz)**



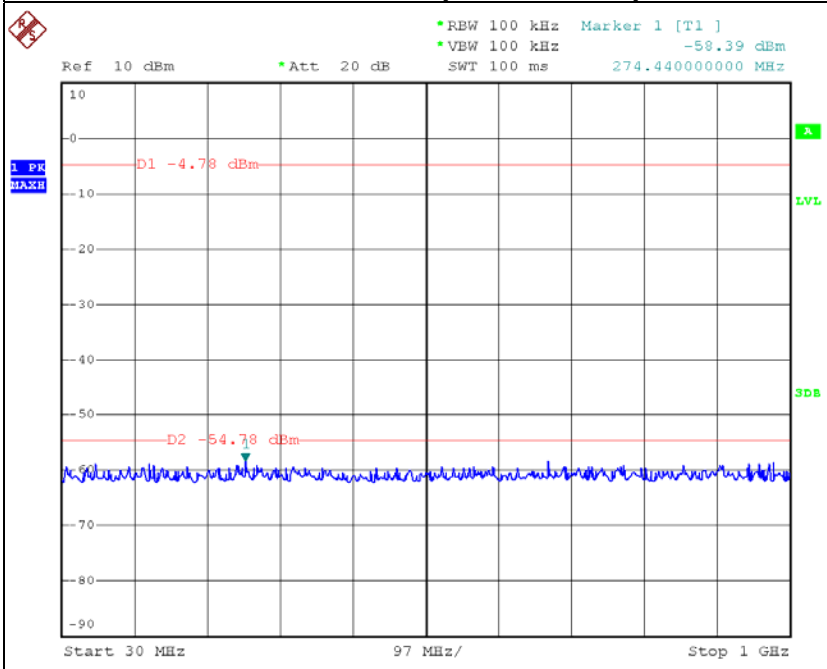

Date: 22.APR.2012 13:28:51

**TX CH 01(1GHz～10th Harmonic)**



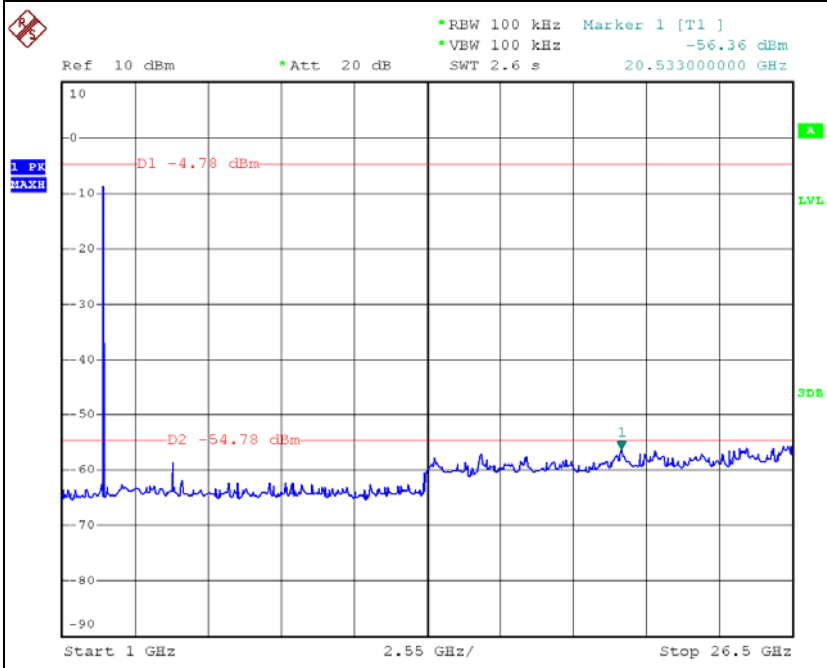

Date: 22.APR.2012 13:30:54

**TX CH 39 (30MHz~1GHz)**



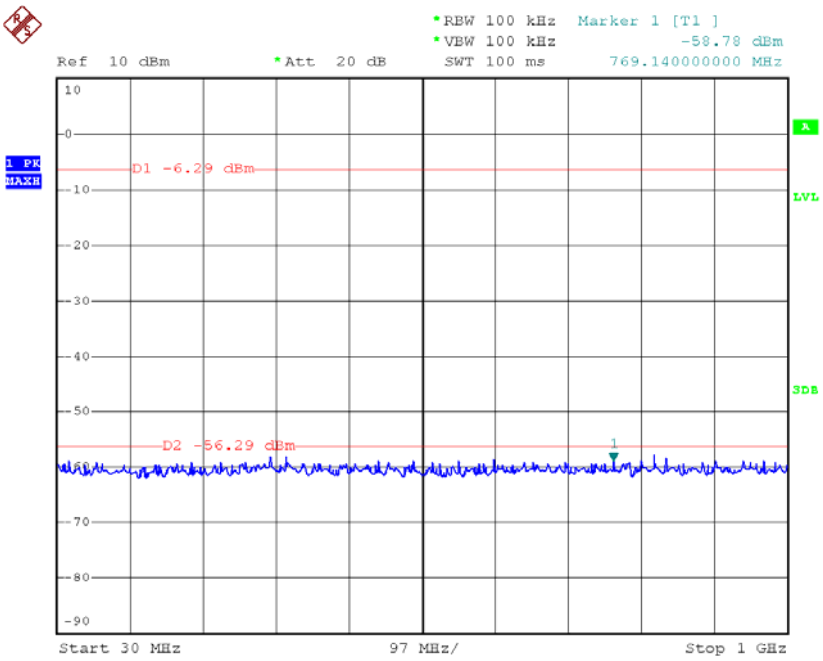

Date: 22.APR.2012 13:36:32

**TX CH 39(1GHz～10th Harmonic)**



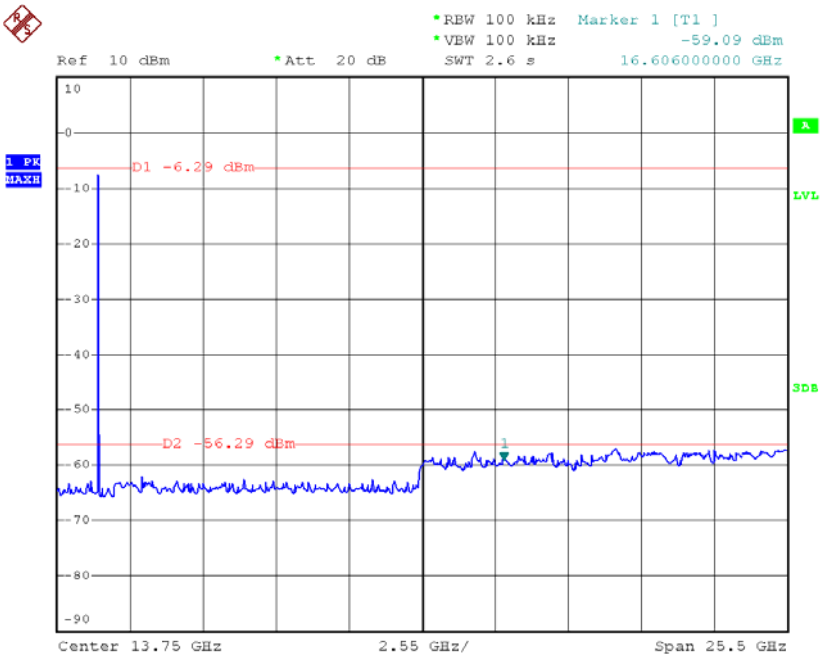

Date: 22.APR.2012 13:37:28

**TX CH 64(30MHz~1GHz)**




Date: 22.APR.2012 13:51:00

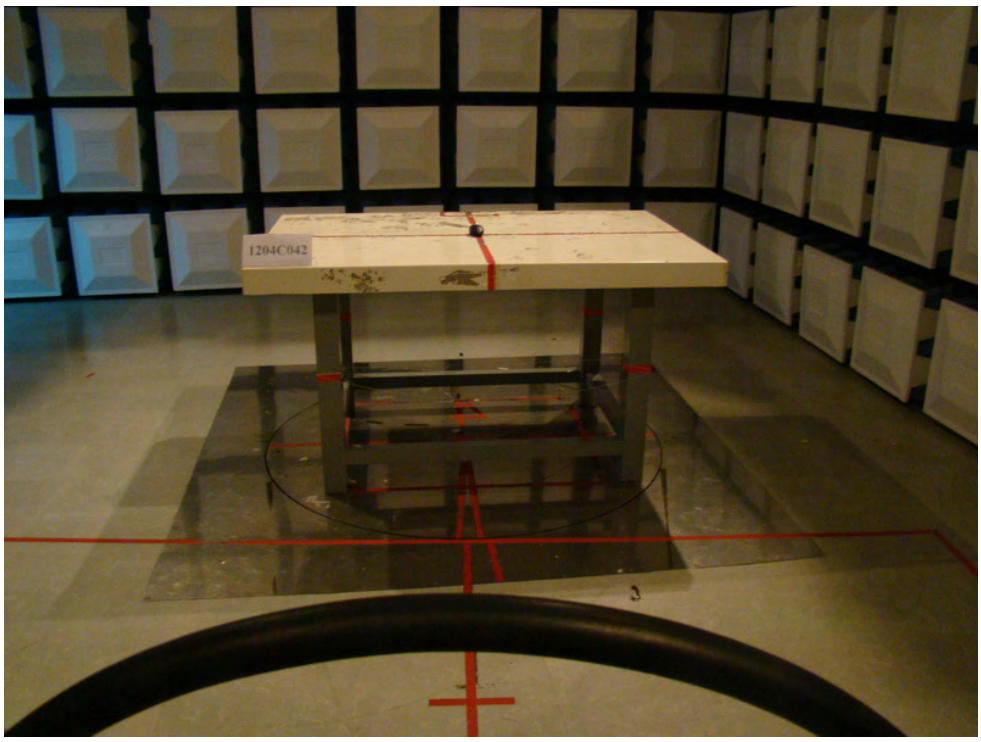
**TX CH 64(1GHz～10th Harmonic)**

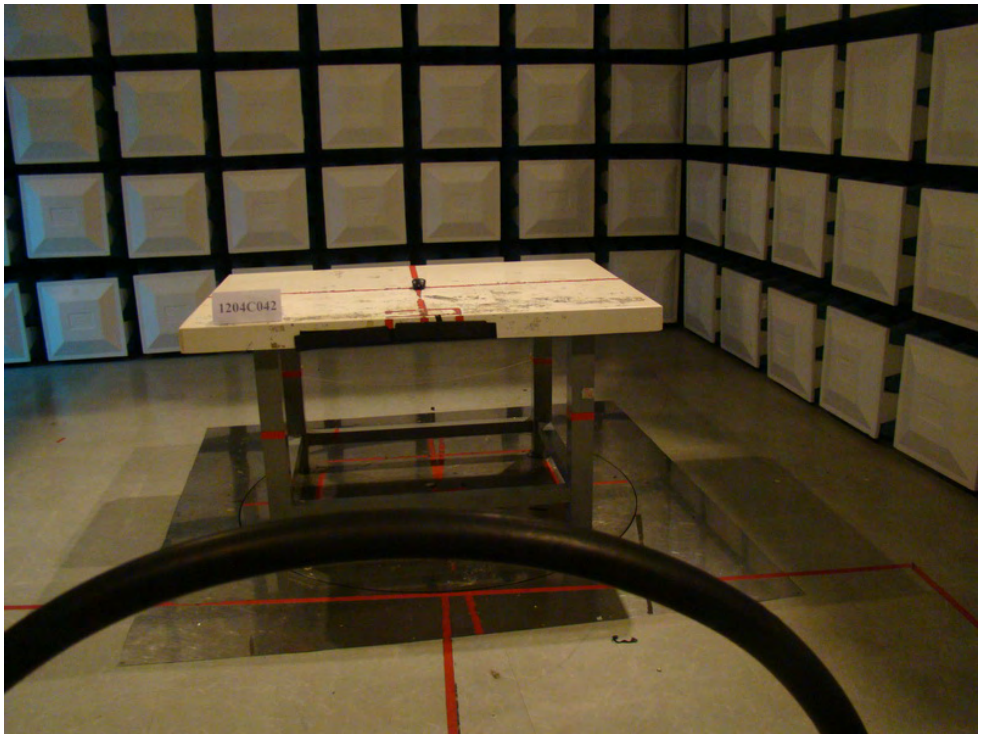



Date: 22.APR.2012 13:53:08

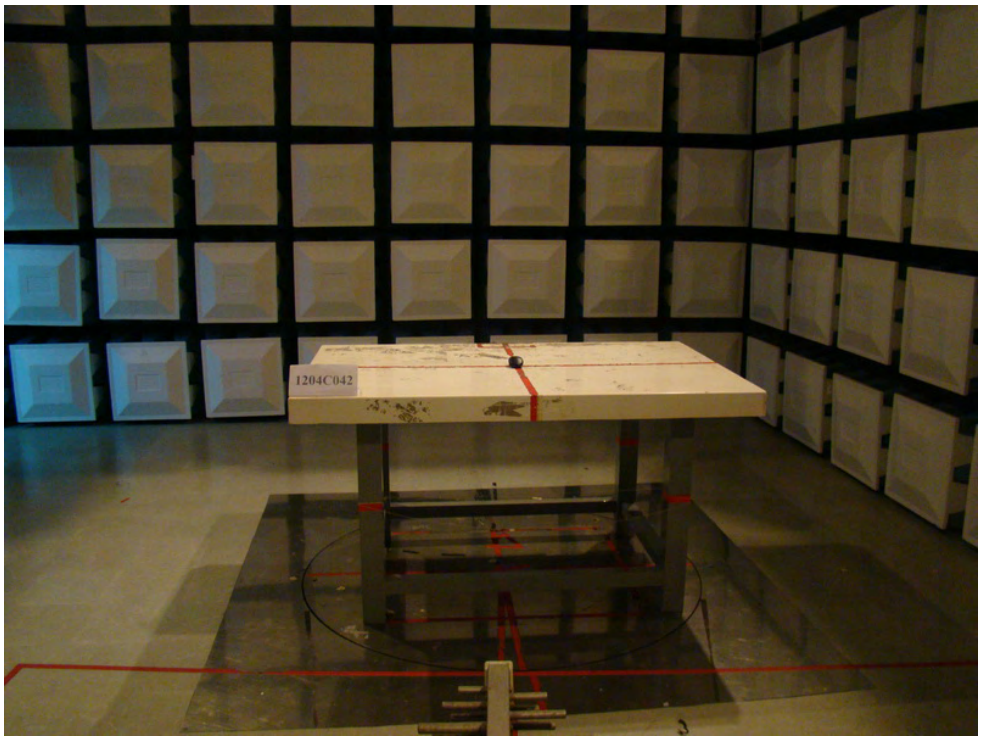
## 7. EUT TEST PHOTO

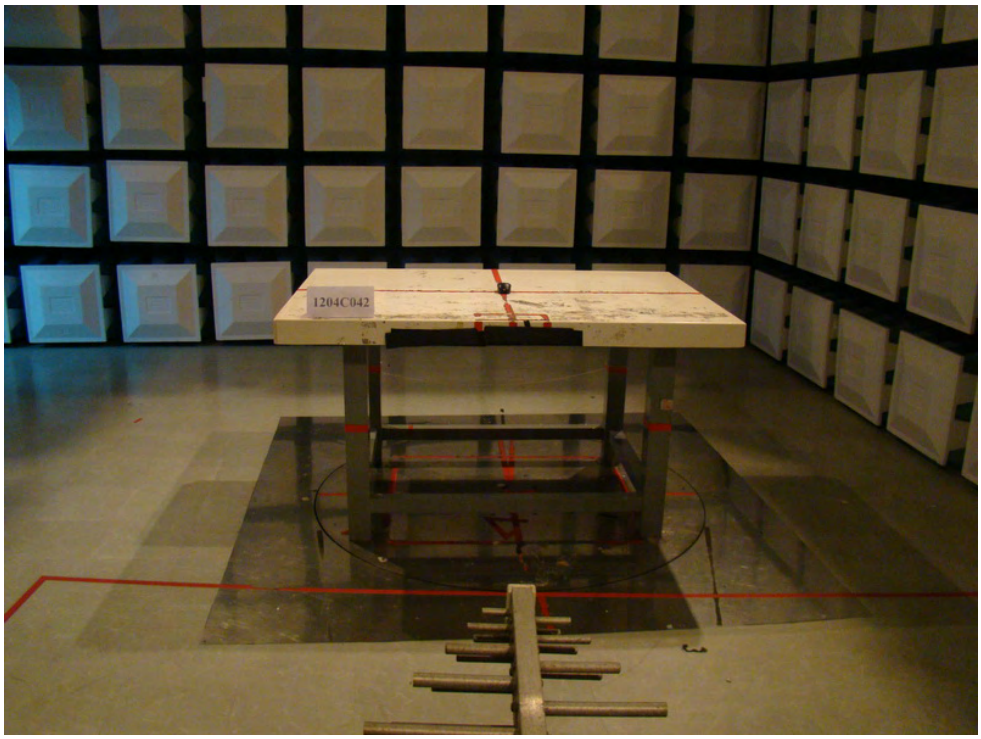
**Radiated Measurement Photos**
**9K - 30MHz**



**Radiated Measurement Photos**
**30MHZ - 1000MHz**



**Radiated Measurement Photos**
**Above 1000MHz**