

---

# FCC Test Report

---

Report No.: AGC00653150401FE08

**FCC ID** : 2AEM6BT840  
**APPLICATION PURPOSE** : Original Equipment  
**PRODUCT DESIGNATION** : tablet pc  
**BRAND NAME** : bleytec  
**MODEL NAME** : BT-840  
**CLIENT** : MOVEON TECHNOLOGY (HK) CO., LTD.  
**DATE OF ISSUE** : May.05,2015  
**STANDARD(S)** : FCC Part 15.247  
**TEST PROCEDURE(S)** : KDB 558074 v03r02  
**REPORT VERSION** : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



**CAUTION:**

This report shall not be reproduced except in full without the written permission of the test laboratory and shall not be quoted out of context.



### Report Revise Record

| Report Version | Revise Time | Issued Date | Valid Version | Notes           |
|----------------|-------------|-------------|---------------|-----------------|
| V1.0           | /           | May.05,2015 | Valid         | Original Report |

## TABLE OF CONTENTS

|  |           |
|--|-----------|
| <b>1. VERIFICATION OF COMPLIANCE</b> .....                       | <b>5</b>  |
| <b>2. GENERAL INFORMATION</b> .....                              | <b>6</b>  |
| 2.1 PRODUCT DESCRIPTION .....                                    | 6         |
| 2.2 RELATED SUBMITTAL(S)/GRANT(S).....                           | 6         |
| 2.3 TEST METHODOLOGY .....                                       | 6         |
| 2.4 TEST FACILITY.....   | 6         |
| 2.5 SPECIAL ACCESSORIES.....                                     | 6         |
| 2.6 EQUIPMENT MODIFICATIONS.....                                 | 6         |
| <b>3. SYSTEM TEST CONFIGURATION</b> .....                        | <b>7</b>  |
| 3.1 CONFIGURATION OF TESTED SYSTEM .....                         | 7         |
| 3.2 EQUIPMENT USED IN TESTED SYSTEM .....                        | 7         |
| <b>4. SUMMARY OF TEST RESULTS</b> .....                          | <b>10</b> |
| <b>5. DESCRIPTION OF TEST MODES</b> .....                        | <b>10</b> |
| <b>6. ANTENNA REQUIREMENT</b> .....                              | <b>11</b> |
| 6.1. STANDARD APPLICABLE .....                                   | 11        |
| 6.2. TEST RESULT .....   | 11        |
| <b>7. RADIATED EMISSION</b> .....                                | <b>12</b> |
| 7.1 MEASUREMENT PROCEDURE .....                                  | 12        |
| 7.2 TEST SETUP.....  | 13        |
| 7.3 LIMITS AND MEASUREMENT RESULT .....                          | 14        |
| 7.4 TEST RESULT .....  | 14        |
| <b>8. BAND EDGE EMISSION</b> .....                               | <b>22</b> |
| 8.1. MEASUREMENT PROCEDURE .....                                 | 22        |
| 8.2. TEST SET-UP .....   | 22        |
| 8.3. RADIATED TEST RESULT .....                                  | 23        |
| 8.4. CONDUCTED TEST RESULT .....                                 | 24        |
| <b>9. 6DB BANDWIDTH</b> .....                                    | <b>25</b> |
| 9.1. TEST EQUIPMENT LIST AND DETAILS.....                        | 25        |
| 9.2. TEST PROCEDURE.....   | 25        |
| 9.3. SUMMARY OF TEST RESULTS/PLOTS .....                         | 25        |
| <b>10. CONDUCTED OUTPUT POWER</b> .....                          | <b>27</b> |
| 10.1. MEASUREMENT PROCEDURE .....                                | 27        |
| 10.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION).....          | 27        |
| 10.3. LIMITS AND MEASUREMENT RESULT .....                        | 27        |
| <b>11. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY</b> ..... | <b>30</b> |
| 11.1 MEASUREMENT PROCEDURE .....                                 | 30        |

|  |           |
|--|-----------|
| 11.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)..... | 30        |
| 11.3 MEASUREMENT EQUIPMENT USED.....                   | 30        |
| 11.4 LIMITS AND MEASUREMENT RESULT .....               | 30        |
| <b>12. FCC LINE CONDUCTED EMISSION TEST .....</b>      | <b>32</b> |
| 12.1 LIMITS.....                                       | 32        |
| 12.2 TEST SETUP.....                                   | 32        |
| 12.3 PRELIMINARY PROCEDURE .....                       | 33        |
| 12.4 FINAL TEST PROCEDURE.....                         | 33        |
| 12.5 TEST RESULT OF POWER LINE .....                   | 34        |
| <b>APPENDIX A: PHOTOGRAPHS OF TEST SETUP .....</b>     | <b>36</b> |
| <b>APPENDIX B: PHOTOGRAPHS OF EUT .....</b>            | <b>37</b> |

**1. VERIFICATION OF COMPLIANCE**

|                                 |   |
|---------------------------------|---|
| <b>Applicant</b>                | MOVEON TECHNOLOGY (HK) CO., LTD.  |
| <b>Address</b>                  | Room 3201, Building A, World Trading Plaza Block, Futian Rd., Futian Distric, Shenzhen, China |
| <b>Manufacturer</b>             | MOVEON TECHNOLOGY (HK) CO., LTD.  |
| <b>Address</b>                  | Room 3201, Building A, World Trading Plaza Block, Futian Rd., Futian Distric, Shenzhen, China |
| <b>Product Designation</b>      | tablet pc   |
| <b>Brand Name</b>               | bleytec   |
| <b>Test Model</b>               | BT-840  |
| <b>Date of test</b>             | Apr.27,2015 to May.04,2015  |
| <b>Deviation</b>                | None  |
| <b>Condition of Test Sample</b> | Normal  |
| <b>Report Template</b>          | AGCRT-US-BLE/RF   |

**WE HEREBY CERTIFY THAT:**

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with requirement of FCC Part 15 Rules requirement.

Prepared By

*Matt Zhang*

\_\_\_\_\_  
Matt Zhang      May.05,2015

Checked By

*Kidd Yang*

\_\_\_\_\_  
Kidd Yang      May.05,2015

Authorized By

*Solger Zhang*

\_\_\_\_\_  
Solger Zhang      May.05,2015

## 2.GENERAL INFORMATION

### 2.1PRODUCT DESCRIPTION

The EUT is designed as “**tablet pc**”. It is designed by way of utilizing the FHSS technology to achieve the system operation.

A major technical description of EUT is described as following

|                     |  |
|---------------------|--|
| Operation Frequency | 2.402 GHz to 2.480GHz                                |
| Bluetooth Version   | V4.0   |
| Modulation          | GFSK   |
| Number of channels  | 40 Channel(37 Hopping Channel,3 advertising Channel) |
| Antenna Designation | Integrated Antenna                                   |
| Antenna Gain        | 1.0dBi   |
| Hardware Version    | M706P-MB-V2.0  |
| Software Version    | MT6571-M706P-KK-WVGA@2015-01-17-11-48                |
| Power Supply        | DC3.7V by Built-in Li-ion Battery                    |

### 2.2 RELATED SUBMITTAL(S)/GRANT(S)

This submittal(s) (test report) is intended for **FCC ID: 2AEM6BT840** filing to comply with Section 15.247of the FCC Part 15, Subpart C Rules.

### 2.3TEST METHODOLOGY

All measurements contained in this report were conducted with KDB 558074 D01 DTS Meas Guidance v03r02, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions. The EUT was tested in all three orthogonal planes and the worse case was showed.

### 2.4 TEST FACILITY

|                    |   |
|--------------------|---|
| <b>Site</b>        | Compliance Certification Services (Shenzhen) Inc.   |
| <b>Location</b>    | No.10-1 Mingkeda Logistics park, No.18, Huanguan South Rd.,Guan Lan Town, Baoan District, Shenzhen, China |
| <b>Description</b> | Test Firm Registration Number: 441872   |

### 2.5 SPECIAL ACCESSORIES

Refer to section 2.2.

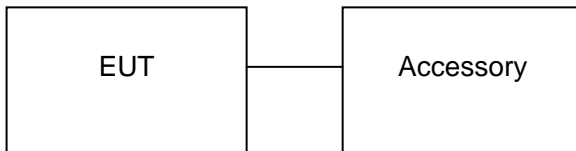
### 2.6 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

### 3. SYSTEM TEST CONFIGURATION

#### 3.1 CONFIGURATION OF TESTED SYSTEM

Configuration:



#### 3.2 EQUIPMENT USED IN TESTED SYSTEM

| ITEM | EQUIPMENT | MODEL NO. | ID OR SPECIFICATION | NOTE      |
|------|-----------|-----------|---------------------|-----------|
| 1    | tablet pc | BT-840    | FCC ID:2AEM6BT840   | EUT       |
| 2    | Adapter   | BT-840    | 5V 2000mA           | Accessory |
| 3    | Battery   | 357090    | DC3.7V / 2000 mAh   | Accessory |
| 4    | Earphone  | BT-840    | N/A                 | Accessory |
| 5    | USB Cable | BT-840    | N/A                 | Accessory |

**TEST EQUIPMENT LIST**

| Description               | Manufacturer      | Model       | S/N        | Cal. Date  | Cal. Due   |
|---------------------------|-------------------|-------------|------------|------------|------------|
| Power Probe               | R&S               | NRP-Z23     | 100323     | 07/25/2014 | 07/24/2015 |
| RF attenuator             | N/A               | RFA20db     | 68         | 07/25/2014 | 07/24/2015 |
| Spectrum Analyzer         | Agilent           | E4440A      | US41421290 | 02/17/2015 | 02/16/2016 |
| Amplifier                 | EM                | EM30180     | 0607030    | 02/17/2015 | 02/16/2016 |
| Horn Antenna              | EM                | EM-AH-10180 | 67         | 02/17/2015 | 02/16/2016 |
| Horn Antenna              | A.H. Systems Inc. | SAS-574     | N/A        | 07/25/2014 | 07/24/2015 |
| EMI Test Receiver         | Rohde & Schwarz   | ESCI        | 100694     | 07/25/2014 | 07/24/2015 |
| WIDEBAND REQUENCY ANTENNA | SCHWARZBECK       | VULB9168    | 26         | 08/16/2014 | 08/15/2015 |
| Loop Antenna              | A.H.              | SAS-526B    | SEL0097    | 05/10/2014 | 05/09/2015 |
| LISN                      | R&S               | ESH3-Z5     | 8389791009 | 07/25/2014 | 07/24/2015 |
| Radiation Cable 1         | Sat               | RE1         | R003       | 06/04/2014 | 06/03/2015 |
| Radiation Cable 2         | Sat               | RE2         | R002       | 06/04/2014 | 06/03/2015 |
| Conduction Cable          | Sat               | CE1         | C001       | 06/04/2014 | 06/03/2015 |



| <b>Radiated Emission Test Site 966(2)</b> |                     |                     |                      |                         |                        |
|---|---------------------|---------------------|----------------------|-------------------------|------------------------|
| <b>Name of Equipment</b>                  | <b>Manufacturer</b> | <b>Model Number</b> | <b>Serial Number</b> | <b>Last Calibration</b> | <b>Due Calibration</b> |
| PSA Series Spectrum Analyzer              | Agilent             | E4446A              | US44300399           | 03/01/2015              | 03/01/2016             |
| EMI TEST RECEIVER                         | ROHDE&SCHWARZ       | ESCI                | 100783               | 03/09/2015              | 03/08/2016             |
| Amplifier                                 | MITEQ               | AM-1604-3000        | 1123808              | 03/18/2015              | 03/17/2016             |
| High Noise Amplifier                      | Agilent             | 8449B               | 3008A01838           | 03/18/2015              | 03/17/2016             |
| Board-Band Horn Antenna                   | Schwarzbeck         | BBHA 9170           | 9170-497             | 07/10/2014              | 07/09/2015             |
| Bilog Antenna                             | SCHAFFNER           | CBL6143             | 5082                 | 03/01/2015              | 03/01/2016             |
| Horn Antenna                              | SCHWARZBECK         | BBHA9120            | D286                 | 03/01/2015              | 03/01/2016             |
| Loop Antenna                              | COM-POWER           | AL-130              | 121044               | 09/27/2014              | 09/26/2015             |
| Turn Table                                | N/A                 | N/A                 | N/A                  | N.C.R                   | N.C.R                  |
| Controller                                | Sunol Sciences      | SC104V              | 022310-1             | N.C.R                   | N.C.R                  |
| Controller                                | CT                  | N/A                 | N/A                  | N.C.R                   | N.C.R                  |
| Temp. / Humidity Meter                    | Anymetre            | JR913               | N/A                  | 02/28/2015              | 02/27/2016             |
| Antenna Tower                             | SUNOL               | TLT2                | N/A                  | N.C.R                   | N.C.R                  |
| Test S/W                                  | FARAD               | LZ-RF / CCS-SZ-3A2  |                      |                         |                        |

| <b>Conducted Emission Test Site</b> |                     |                     |                      |                         |                        |
|-------------------------------------|---------------------|---------------------|----------------------|-------------------------|------------------------|
| <b>Name of Equipment</b>            | <b>Manufacturer</b> | <b>Model Number</b> | <b>Serial Number</b> | <b>Last Calibration</b> | <b>Due Calibration</b> |
| EMI TEST RECEIVER                   | ROHDE&SCHWARZ       | ESCI                | 100783               | 03/09/2015              | 03/08/2016             |
| LISN(EUT)                           | ROHDE&SCHWARZ       | ENV216              | 101543-WX            | 03/09/2015              | 03/08/2016             |
| LISN                                | EMCO                | 3825/2              | 8901-1459            | 03/09/2015              | 03/08/2016             |
| Temp. / Humidity Meter              | VICTOR              | HTC-1               | N/A                  | 03/04/2015              | 03/03/2016             |
| Test S/W                            | FARAD               | EZ-EMC/ CCS-3A1-CE  |                      |                         |                        |

#### 4. SUMMARY OF TEST RESULTS

| FCC RULES             | DESCRIPTION OF TEST                             | RESULT    |
|-----------------------|---|-----------|
| § 15.203              | Antenna Requirement                             | Compliant |
| §15.209<br>§15.247(d) | Radiated Emission                               | Compliant |
| §15.247(d)            | Band Edges                                      | Compliant |
| §15.247               | 6 dB Bandwidth                                  | Compliant |
| §15.247(b)            | Conducted Power                                 | Compliant |
| §15.247(e)            | Maximum Conducted Output Power SPECTRAL Density | Compliant |
| §15.207               | Line Conduction Emission                        | Compliant |

#### 5. DESCRIPTION OF TEST MODES

The EUT has been operated in three modulations: GFSK independently.

| NO. | TEST MODE DESCRIPTION |
|-----|-----------------------|
| 1   | Low channel TX        |
| 2   | Middle channel TX     |
| 3   | High channel TX       |
| 4   | Normal Operating (BT) |

Note:

1. All the test modes can be supply by Built-in Li-ion battery, only the result of the worst case was recorded in the report if no any records.
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
3. Eut is operating at its maximum duty cycle>or equal 98%

## **6. ANTENNA REQUIREMENT**

### **6.1. STANDARD APPLICABLE**

According to FCC 15.203, An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

### **6.2. TEST RESULT**

This product has a permanent antenna, fulfill the requirement of this section.

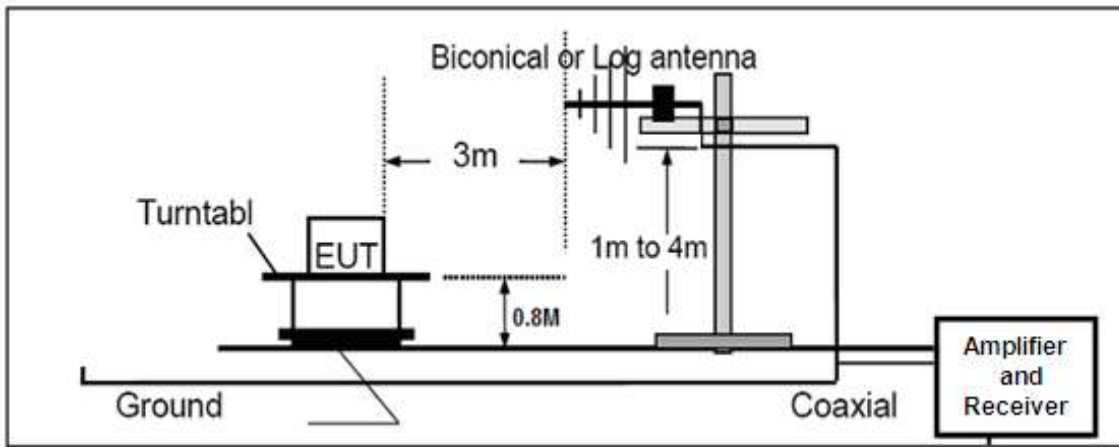
## **7. RADIATED EMISSION**

### **7.1 MEASUREMENT PROCEDURE**

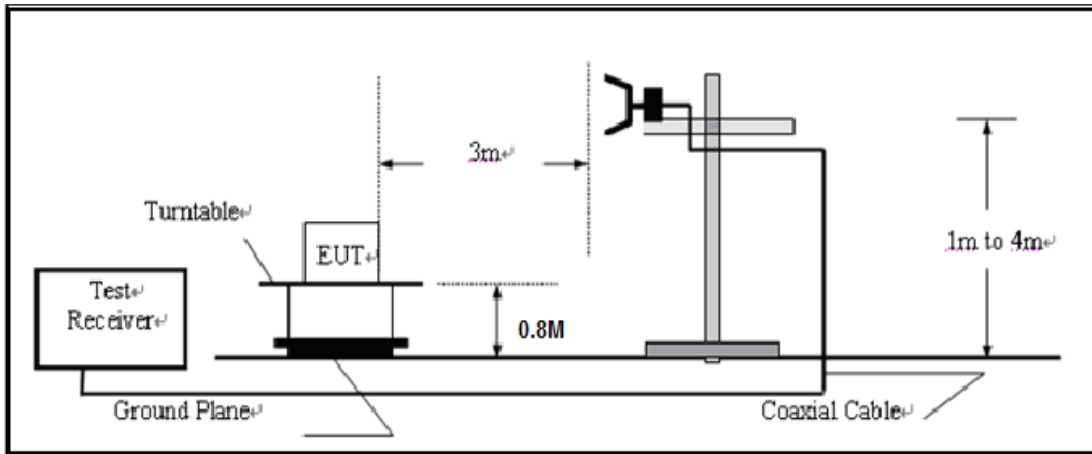
1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

## 7.2 TEST SETUP

RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



### 7.3 LIMITS AND MEASUREMENT RESULT

15.209 Limit in the below table has to be followed

| <b>Frequencies<br/>(MHz)</b> | <b>Field Strength<br/>(micorvolts/meter)</b> | <b>Measurement Distance<br/>(meters)</b> |
|------------------------------|--|--|
| 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  |

Note: All modes were tested For restricted band radiated emission,  
the test records reported below are the worst result compared to other modes.

### 7.4 TEST RESULT

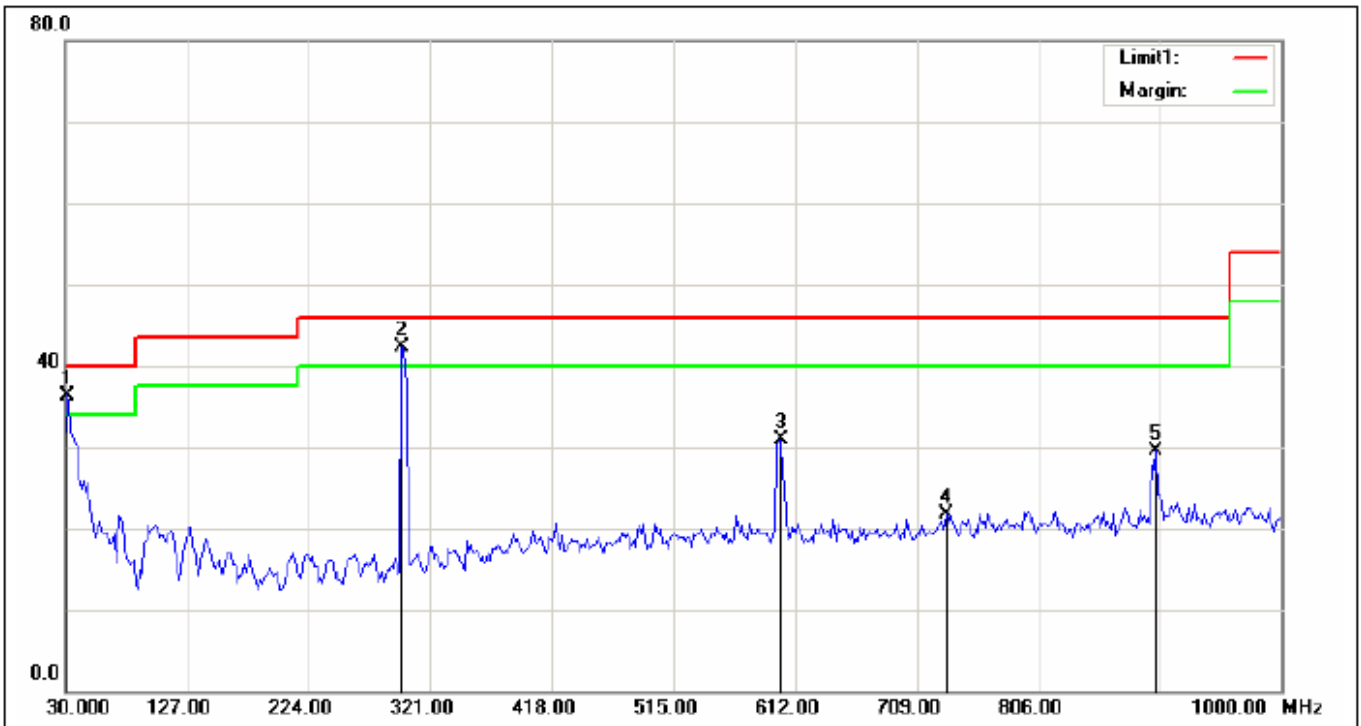
#### **RADIATED EMISSION BELOW 30MHZ**

No emission found between lowest internal used/generated frequencies to 30MHz.

### RADIATED EMISSION BELOW 1GHZ

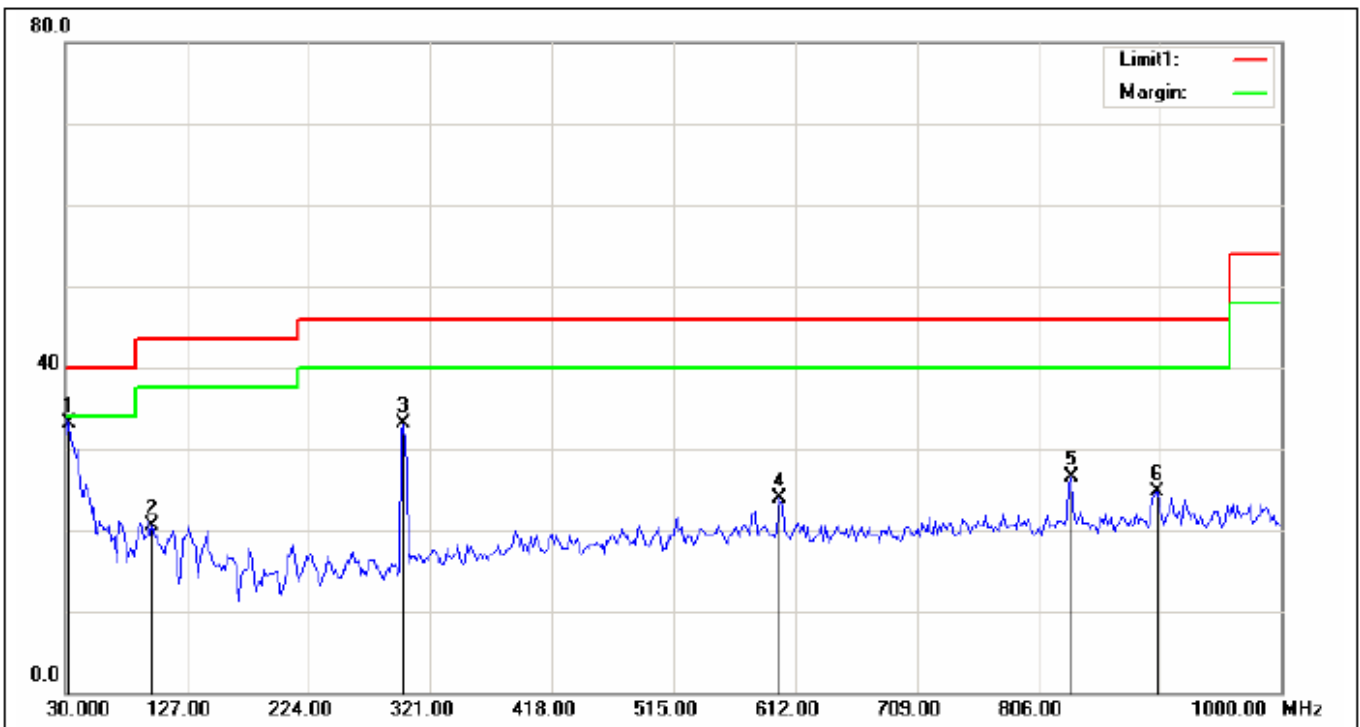
#### RADIATED EMISSION TEST- (30MHZ-1GHZ)

|                     |                                 |                |               |
|---------------------|---------------------------------|----------------|---------------|
| Job No.:            | 20150428                        | Ant.Polar.:    | Horizontal    |
| Standard:           | FCC Part15 Class B (30-1000MHz) | Test Distance: | 3m            |
| Test item:          | Radiated Emission Measurement   | Power:         | AC 120V/60Hz  |
| Temp.(C)/Hum.(%RH): | 24(C)/52%RH                     | Date:2015-4-28 | Time:17:29:48 |
| Company:            |                                 | EUT:           |               |
| Model:              | BT-840                          | Test By:       | Jimmy         |
| Test Mode:          | BLE 2402                        |                |               |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (deg.) | Remark |
|-----|-----------------|----------------|----------------------|-----------------|----------------|-------------|-------------|---------------|--------|
| 1*  | 31.6167         | 49.01          | -12.61               | 36.40           | 40.00          | -3.60       |             |               | peak   |
| 2!  | 298.3667        | 62.00          | -19.72               | 42.28           | 46.00          | -3.72       |             |               | peak   |
| 3   | 600.6833        | 43.74          | -12.85               | 30.89           | 46.00          | -15.11      |             |               | peak   |
| 4   | 733.2500        | 33.20          | -11.52               | 21.68           | 46.00          | -24.32      |             |               | peak   |
| 5   | 899.7667        | 39.43          | -9.83                | 29.60           | 46.00          | -16.40      |             |               | peak   |

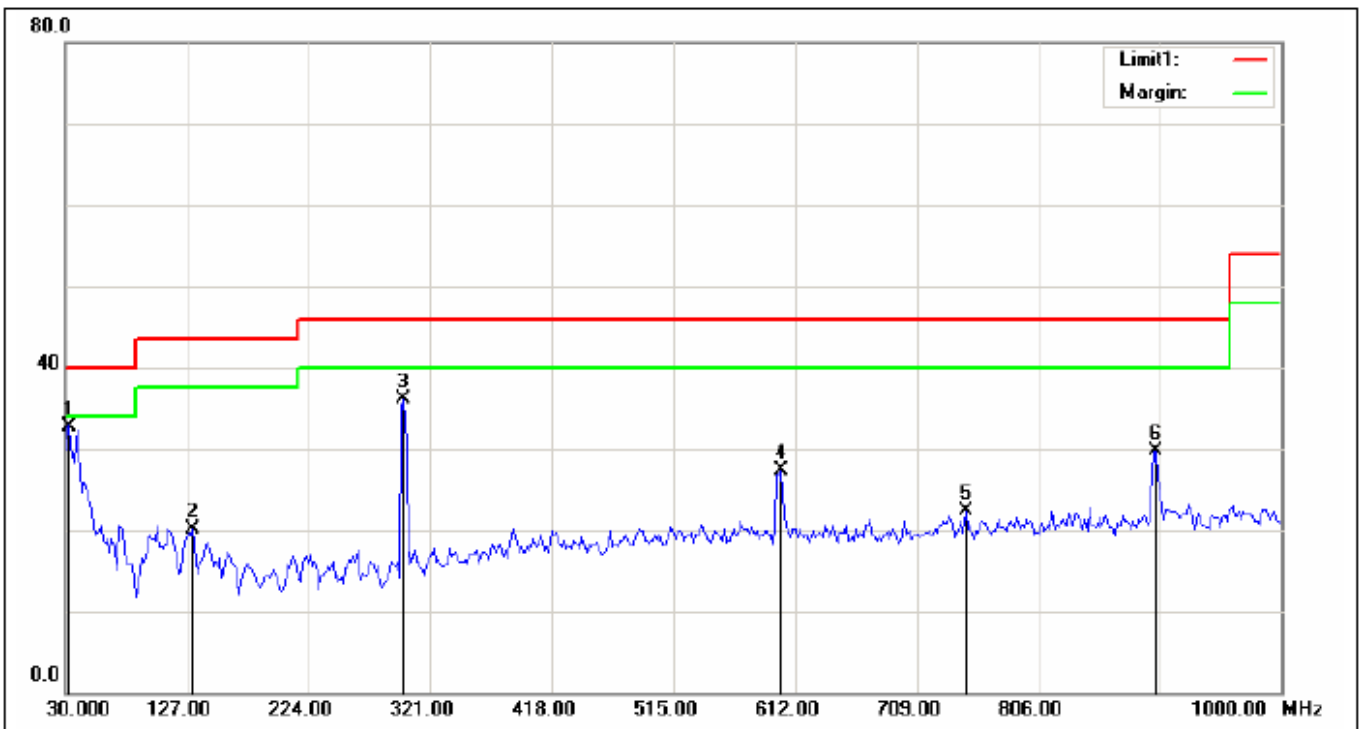
|                     |                                 |                |               |
|---------------------|---------------------------------|----------------|---------------|
| Job No.:            | 20150428                        | Ant.Polar.:    | Vertical      |
| Standard:           | FCC Part15 Class B (30-1000MHz) | Test Distance: | 3m            |
| Test item:          | Radiated Emission Measurement   | Power:         | AC 120V/60Hz  |
| Temp.(C)/Hum.(%RH): | 24(C)/52%RH                     | Date:2015-4-28 | Time:17:30:53 |
| Company:            |                                 | EUT:           |               |
| Model:              | BT-840                          | Test By:       | Jimmy         |
| Test Mode:          | BLE 2402                        |                |               |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (deg.) | Remark |
|-----|-----------------|----------------|----------------------|-----------------|----------------|-------------|-------------|---------------|--------|
| 1*  | 33.2333         | 46.79          | -13.64               | 33.15           | 40.00          | -6.85       |             |               | peak   |
| 2   | 99.5167         | 44.28          | -23.73               | 20.55           | 43.50          | -22.95      |             |               | peak   |
| 3   | 299.9833        | 52.61          | -19.57               | 33.04           | 46.00          | -12.96      |             |               | peak   |
| 4   | 599.0667        | 36.77          | -12.89               | 23.88           | 46.00          | -22.12      |             |               | peak   |
| 5   | 831.8667        | 37.20          | -10.61               | 26.59           | 46.00          | -19.41      |             |               | peak   |
| 6   | 901.3833        | 34.49          | -9.80                | 24.69           | 46.00          | -21.31      |             |               | peak   |

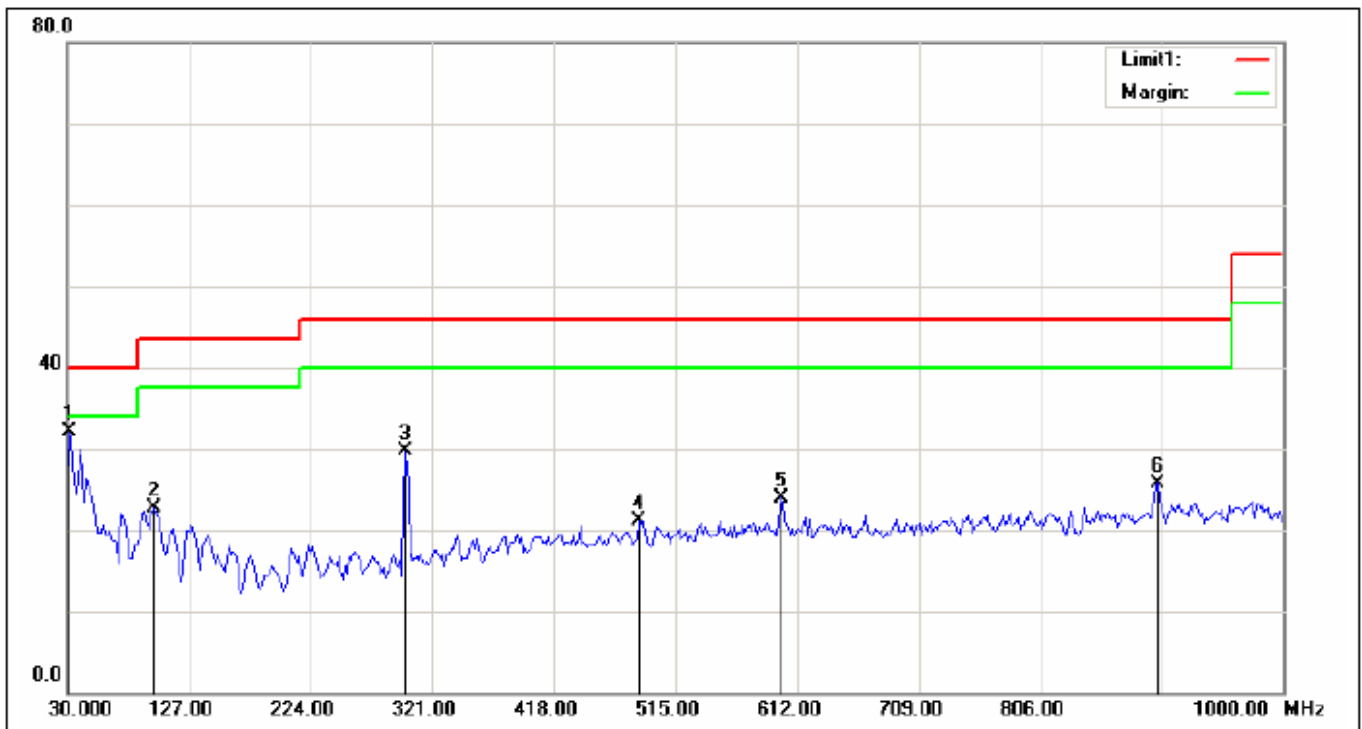


|                     |                                 |                |               |
|---------------------|---------------------------------|----------------|---------------|
| Job No.:            | 20150428                        | Ant.Polar.:    | Horizontal    |
| Standard:           | FCC Part15 Class B (30-1000MHz) | Test Distance: | 3m            |
| Test item:          | Radiated Emission Measurement   | Power:         | AC 120V/60Hz  |
| Temp.(C)/Hum.(%RH): | 24(C)/52%RH                     | Date:2015-4-28 | Time:17:29:06 |
| Company:            |                                 | EUT:           |               |
| Model:              | BT-840                          | Test By:       | Jimmy         |
| Test Mode:          | BLE 2440                        |                |               |



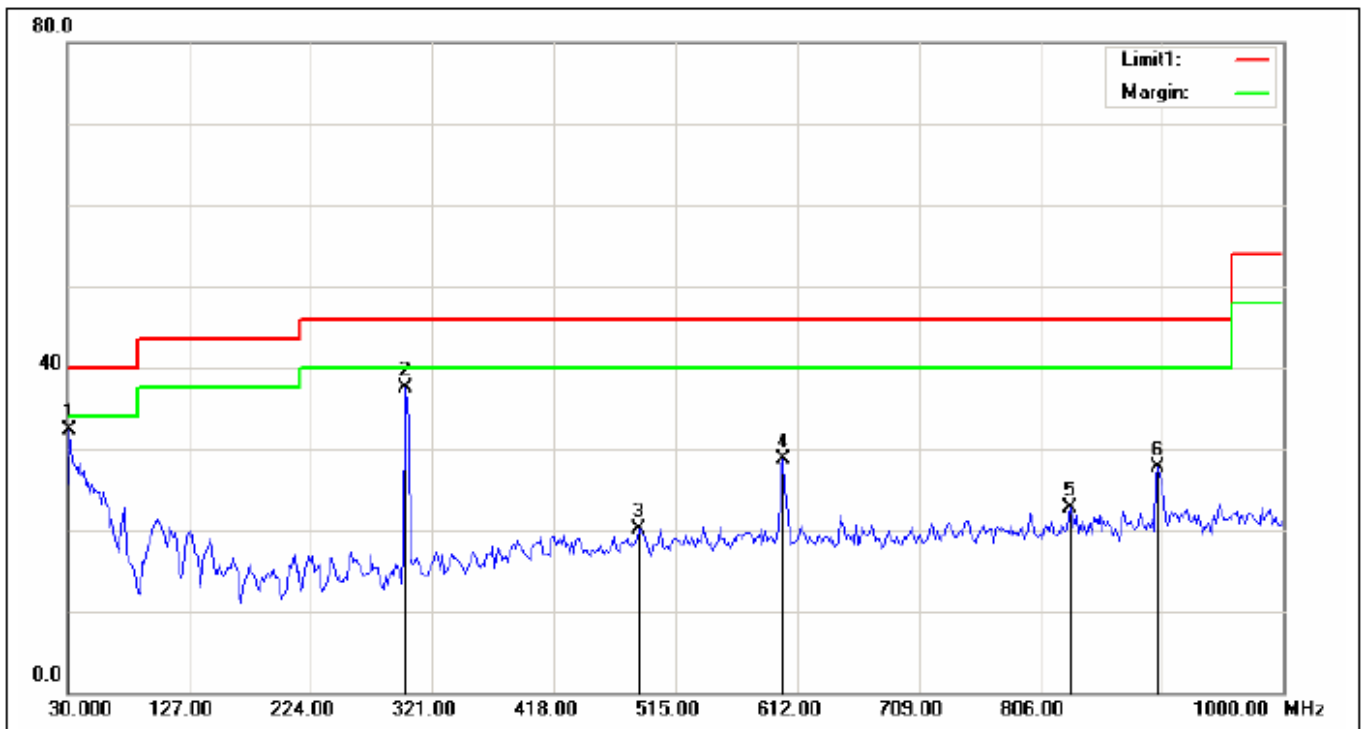
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (deg.) | Remark |
|-----|-----------------|----------------|----------------------|-----------------|----------------|-------------|-------------|---------------|--------|
| 1*  | 33.2333         | 46.44          | -13.64               | 32.80           | 40.00          | -7.20       |             |               | peak   |
| 2   | 131.8500        | 41.00          | -20.84               | 20.16           | 43.50          | -23.34      |             |               | peak   |
| 3   | 299.9833        | 55.76          | -19.57               | 36.19           | 46.00          | -9.81       |             |               | peak   |
| 4   | 600.6833        | 40.16          | -12.85               | 27.31           | 46.00          | -18.69      |             |               | peak   |
| 5   | 747.8000        | 33.47          | -11.23               | 22.24           | 46.00          | -23.76      |             |               | peak   |
| 6   | 899.7667        | 39.49          | -9.83                | 29.66           | 46.00          | -16.34      |             |               | peak   |

|                     |                                 |                |               |
|---------------------|---------------------------------|----------------|---------------|
| Job No.:            | 20150428                        | Ant.Polar.:    | Vertical      |
| Standard:           | FCC Part15 Class B (30-1000MHz) | Test Distance: | 3m            |
| Test item:          | Radiated Emission Measurement   | Power:         | AC 120V/60Hz  |
| Temp.(C)/Hum.(%RH): | 24(C)/52%RH                     | Date:2015-4-28 | Time:17:27:59 |
| Company:            |                                 | EUT:           |               |
| Model:              | BT-840                          | Test By:       | Jimmy         |
| Test Mode:          | BLE 2440                        |                |               |



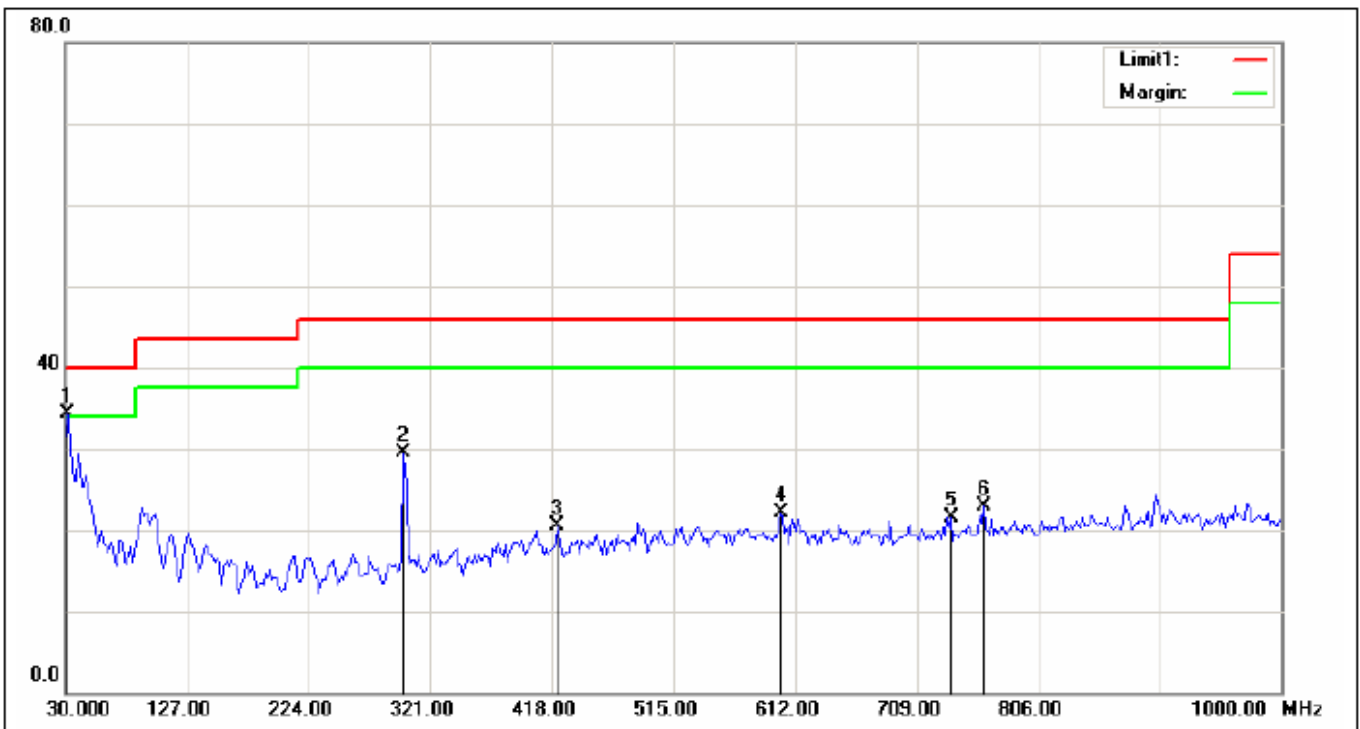
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (deg.) | Remark |
|-----|-----------------|----------------|----------------------|-----------------|----------------|-------------|-------------|---------------|--------|
| 1*  | 31.6167         | 44.68          | -12.61               | 32.07           | 40.00          | -7.93       |             |               | peak   |
| 2   | 99.5167         | 46.47          | -23.73               | 22.74           | 43.50          | -20.76      |             |               | peak   |
| 3   | 299.9833        | 49.34          | -19.57               | 29.77           | 46.00          | -16.23      |             |               | peak   |
| 4   | 485.9000        | 35.53          | -14.36               | 21.17           | 46.00          | -24.83      |             |               | peak   |
| 5   | 599.0667        | 36.89          | -12.89               | 24.00           | 46.00          | -22.00      |             |               | peak   |
| 6   | 899.7667        | 35.63          | -9.83                | 25.80           | 46.00          | -20.20      |             |               | peak   |

|                     |                                 |                |               |
|---------------------|---------------------------------|----------------|---------------|
| Job No.:            | 20150428                        | Ant.Polar.:    | Horizontal    |
| Standard:           | FCC Part15 Class B (30-1000MHz) | Test Distance: | 3m            |
| Test item:          | Radiated Emission Measurement   | Power:         | AC 120V/60Hz  |
| Temp.(C)/Hum.(%RH): | 24(C)/52%RH                     | Date:2015-4-28 | Time:17:24:50 |
| Company:            |                                 | EUT:           |               |
| Model:              | BT-840                          | Test By:       | Jimmy         |
| Test Mode:          | BLE 2480                        |                |               |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (deg.) | Remark |
|-----|-----------------|----------------|----------------------|-----------------|----------------|-------------|-------------|---------------|--------|
| 1*  | 31.6167         | 44.87          | -12.61               | 32.26           | 40.00          | -7.74       |             |               | peak   |
| 2   | 299.9833        | 57.03          | -19.57               | 37.46           | 46.00          | -8.54       |             |               | peak   |
| 3   | 485.9000        | 34.55          | -14.36               | 20.19           | 46.00          | -25.81      |             |               | peak   |
| 4   | 600.6833        | 41.57          | -12.85               | 28.72           | 46.00          | -17.28      |             |               | peak   |
| 5   | 830.2500        | 33.33          | -10.58               | 22.75           | 46.00          | -23.25      |             |               | peak   |
| 6   | 899.7667        | 37.61          | -9.83                | 27.78           | 46.00          | -18.22      |             |               | peak   |

|                     |                                 |                |               |
|---------------------|---------------------------------|----------------|---------------|
| Job No.:            | 20150428                        | Ant.Polar.:    | Vertical      |
| Standard:           | FCC Part15 Class B (30-1000MHz) | Test Distance: | 3m            |
| Test item:          | Radiated Emission Measurement   | Power:         | AC 120V/60Hz  |
| Temp.(C)/Hum.(%RH): | 24(C)/52%RH                     | Date:2015-4-28 | Time:17:25:51 |
| Company:            |                                 | EUT:           |               |
| Model:              | BT-840                          | Test By:       | Jimmy         |
| Test Mode:          | BLE 2480                        |                |               |



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Height (cm) | Degree (deg.) | Remark |
|-----|-----------------|----------------|----------------------|-----------------|----------------|-------------|-------------|---------------|--------|
| 1*  | 31.6167         | 46.97          | -12.61               | 34.36           | 40.00          | -5.64       |             |               | peak   |
| 2   | 299.9833        | 49.17          | -19.57               | 29.60           | 46.00          | -16.40      |             |               | peak   |
| 3   | 422.8500        | 36.03          | -15.47               | 20.56           | 46.00          | -25.44      |             |               | peak   |
| 4   | 600.6833        | 34.94          | -12.85               | 22.09           | 46.00          | -23.91      |             |               | peak   |
| 5   | 736.4833        | 32.98          | -11.44               | 21.54           | 46.00          | -24.46      |             |               | peak   |
| 6   | 762.3500        | 33.99          | -11.05               | 22.94           | 46.00          | -23.06      |             |               | peak   |

**RESULT: PASS**

- Note:** 1. Factor=Antenna Factor + Cable loss, Margin= Result -Limit.  
2. The "Factor" value can be calculated automatically by software of measurement system.

**RADIATED EMISSION ABOVE 1GHZ**

| Frequency               | Meter Reading | Factor | Emission Level | Limits   | Margin | Detector | Comment    |
|-------------------------|---------------|--------|----------------|----------|--------|----------|------------|
| (MHz)                   | (dBμV)        | (dB)   | (dBμV/m)       | (dBμV/m) | (dB)   | Type     |            |
| Low Channel (2402 MHz)  |               |        |                |          |        |          |            |
| 4804                    | 43.29         | 10.44  | 53.73          | 74       | -20.27 | Pk       | Horizontal |
| 4804                    | 32.48         | 10.44  | 42.92          | 54       | -11.08 | AV       | Horizontal |
| 7206                    | 41.18         | 12.39  | 53.57          | 74       | -20.43 | pk       | Horizontal |
| 7206                    | 31.64         | 12.39  | 44.03          | 54       | -9.97  | AV       | Horizontal |
| 4804                    | 41.83         | 10.4   | 52.23          | 74       | -21.77 | Pk       | Vertical   |
| 4804                    | 29.49         | 10.4   | 39.89          | 54       | -14.11 | AV       | Vertical   |
| 7206                    | 31.51         | 12.75  | 44.26          | 74       | -29.74 | Pk       | Vertical   |
| 7206                    | 25.53         | 12.75  | 38.28          | 54       | -15.72 | AV       | Vertical   |
| Mid Channel (2440 MHz)  |               |        |                |          |        |          |            |
| 4880                    | 43.27         | 10.4   | 53.67          | 74       | -20.33 | Pk       | Horizontal |
| 4880                    | 32.49         | 10.4   | 42.89          | 54       | -11.11 | AV       | Horizontal |
| 7320                    | 41.34         | 12.75  | 54.09          | 74       | -19.91 | Pk       | Horizontal |
| 7320                    | 32.41         | 12.75  | 45.16          | 54       | -8.84  | AV       | Horizontal |
| 4880                    | 45.58         | 10.39  | 55.97          | 74       | -18.03 | Pk       | Vertical   |
| 4880                    | 32.76         | 10.44  | 43.2           | 54       | -10.8  | AV       | Vertical   |
| 7320                    | 32.67         | 12.68  | 45.35          | 74       | -28.65 | Pk       | Vertical   |
| 7320                    | 32.29         | 12.68  | 44.97          | 54       | -9.03  | AV       | Vertical   |
| High Channel (2480 MHz) |               |        |                |          |        |          |            |
| 4960                    | 36.64         | 10.39  | 47.03          | 74       | -26.97 | pk       | Horizontal |
| 4960                    | 25.83         | 10.39  | 36.22          | 54       | -17.78 | AV       | Horizontal |
| 7440                    | 42.24         | 12.68  | 54.92          | 74       | -19.08 | pk       | Horizontal |
| 7440                    | 31.18         | 12.68  | 43.86          | 54       | -10.14 | AV       | Horizontal |
| 4960                    | 36.66         | 10.39  | 47.05          | 74       | -26.95 | pk       | Vertical   |
| 4960                    | 34.83         | 10.39  | 45.22          | 54       | -8.78  | AV       | Vertical   |
| 7440                    | 44.47         | 12.68  | 57.15          | 74       | -16.85 | pk       | Vertical   |
| 7440                    | 25.82         | 12.68  | 38.5           | 54       | -15.5  | AV       | Vertical   |

**RESULT: PASS**

**Note:** 1~25GHz scan with GFSK. No recording in the test report at least have 20dB margin.

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Emission Level = Meter Reading + Factor

Margin = Emission - Leve Limit

## 8. BAND EDGE EMISSION

### 8.1. MEASUREMENT PROCEDURE

1) Radiated restricted band edge measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting

2) Conducted Emissions at the bang edge

a) The transmitter output was connected to the spectrum analyzer

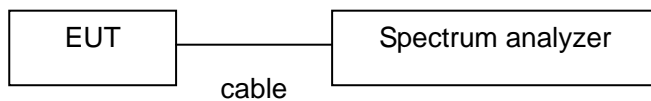
b) Set RBW=100kHz, VBW=300kHz

c) Suitable frequency span including 100kHz bandwidth from band edge

### 8.2. TEST SET-UP

Radiated same as 6.2

Conducted set up



### 8.3. Radiated Test Result

| Frequency<br>(MHz)      | Meter<br>Reading<br>(dB $\mu$ V) | Factor<br>(dB) | Emission<br>Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(dB) | Detector<br>Type | Comment    |
|-------------------------|----------------------------------|----------------|-------------------------------------|--------------------------|----------------|------------------|------------|
| Low Channel (2402 MHz)  |                                  |                |                                     |                          |                |                  |            |
| 2399.9                  | 78.64                            | -13            | 65.64                               | 74                       | -8.36          | peak             | Horizontal |
| 2399.9                  | 59.69                            | -13            | 46.69                               | 54                       | -7.31          | AVG              | Horizontal |
| 2400                    | 79.25                            | -12.99         | 66.26                               | 74                       | -7.74          | peak             | Horizontal |
| 2400                    | 58.18                            | -12.99         | 45.19                               | 54                       | -8.81          | AVG              | Horizontal |
| 2399.9                  | 79.35                            | -12.97         | 66.38                               | 74                       | -7.62          | peak             | Vertical   |
| 2399.9                  | 59.48                            | -12.97         | 46.51                               | 54                       | -7.49          | AVG              | Vertical   |
| 2400                    | 79.42                            | -12.94         | 66.48                               | 74                       | -7.52          | peak             | Vertical   |
| 2400                    | 59.79                            | -12.94         | 46.85                               | 54                       | -7.15          | AVG              | Vertical   |
| High Channel (2480 MHz) |                                  |                |                                     |                          |                |                  |            |
| 2483.5                  | 78.55                            | -12.78         | 65.77                               | 74                       | -8.23          | peak             | Horizontal |
| 2483.5                  | 58.82                            | -12.78         | 46.04                               | 54                       | -7.96          | AVG              | Horizontal |
| 2483.6                  | 78.67                            | -12.77         | 65.9                                | 74                       | -8.1           | peak             | Horizontal |
| 2483.6                  | 58.29                            | -12.77         | 45.52                               | 54                       | -8.48          | AVG              | Horizontal |
| 2483.5                  | 79.86                            | -12.76         | 67.1                                | 74                       | -6.9           | peak             | Vertical   |
| 2483.5                  | 57.62                            | -12.76         | 44.86                               | 54                       | -9.14          | AVG              | Vertical   |
| 2483.6                  | 78.77                            | -12.72         | 66.05                               | 74                       | -7.95          | peak             | Vertical   |
| 2483.6                  | 58.94                            | -12.72         | 46.22                               | 54                       | -7.78          | AVG              | Vertical   |

### RESULT: PASS

**Note:** Factor=Antenna Factor + Cable loss - Amplifier gain,

Emission Level = Meter Reading + Factor

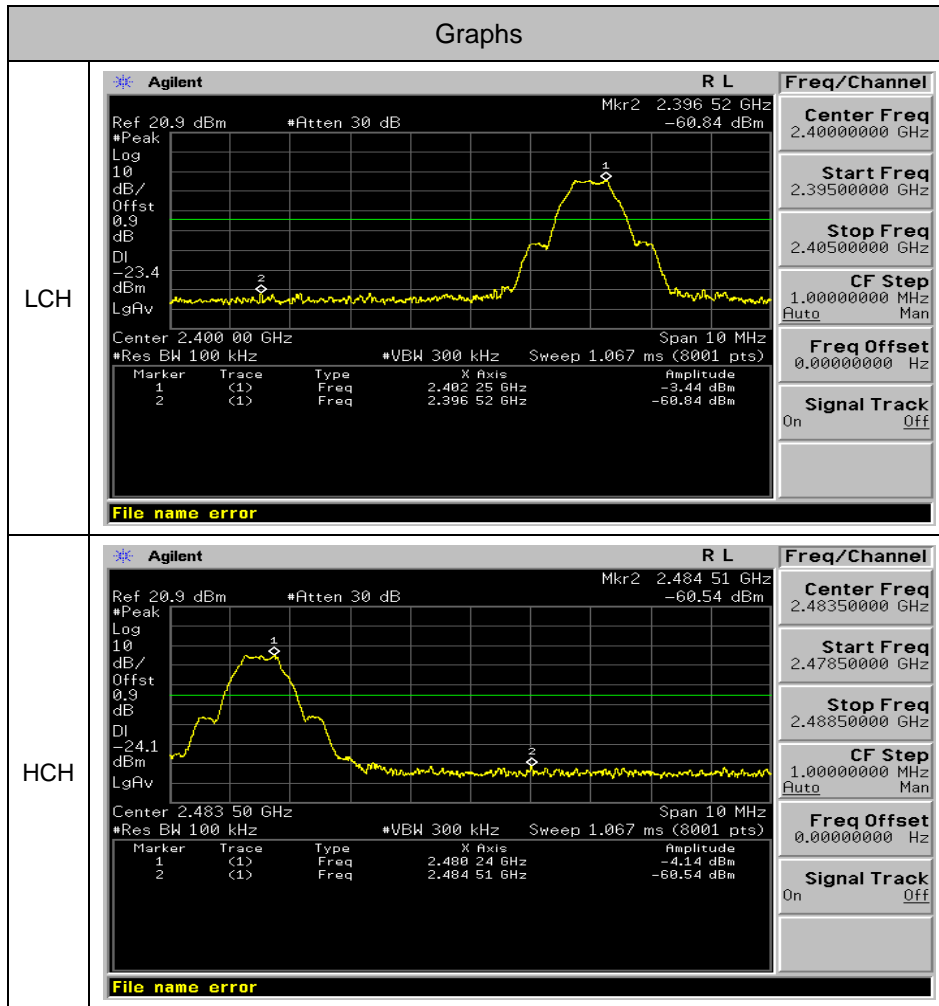
Margin= Emission Level -Limit.

The "Factor" value can be calculated automatically by software of measurement system.

### 8.4. Conducted Test Result

| Mode | Channel | Carrier Power[dBm] | Max.Spurious Level [dBm] | Limit [dBm] | Verdict |
|------|---------|--------------------|--------------------------|-------------|---------|
| BLE  | LCH     | -3.44              | -60.838                  | -23.44      | PASS    |
| BLE  | HCH     | -4.15              | -60.536                  | -24.15      | PASS    |

### Test Graph





## 9. 6DB BANDWIDTH

### 9.1. TEST EQUIPMENT LIST AND DETAILS

| Equipment                       | Manufacturer | Model    | Cal. Date  | Cal. Due   |
|---------------------------------|--------------|----------|------------|------------|
| PSA SERIES<br>SPECTRUM ANALYZER | AGILENT      | E4440A   | 02/17/2015 | 02/16/2016 |
| WIDEBAND REQUENCY ANTENNA       | SCHWARZBECK  | VULB9168 | 08/16/2014 | 08/15/2015 |

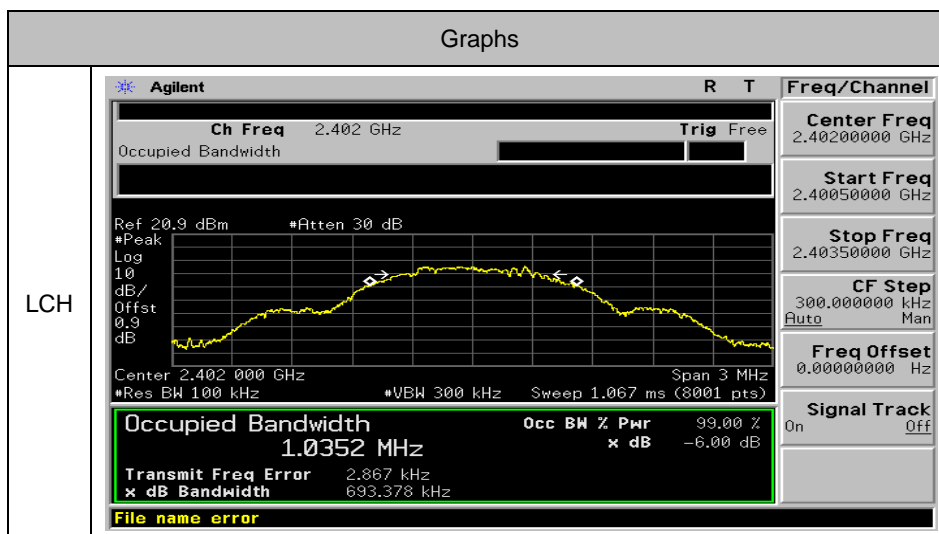
### 9.2. TEST PROCEDURE

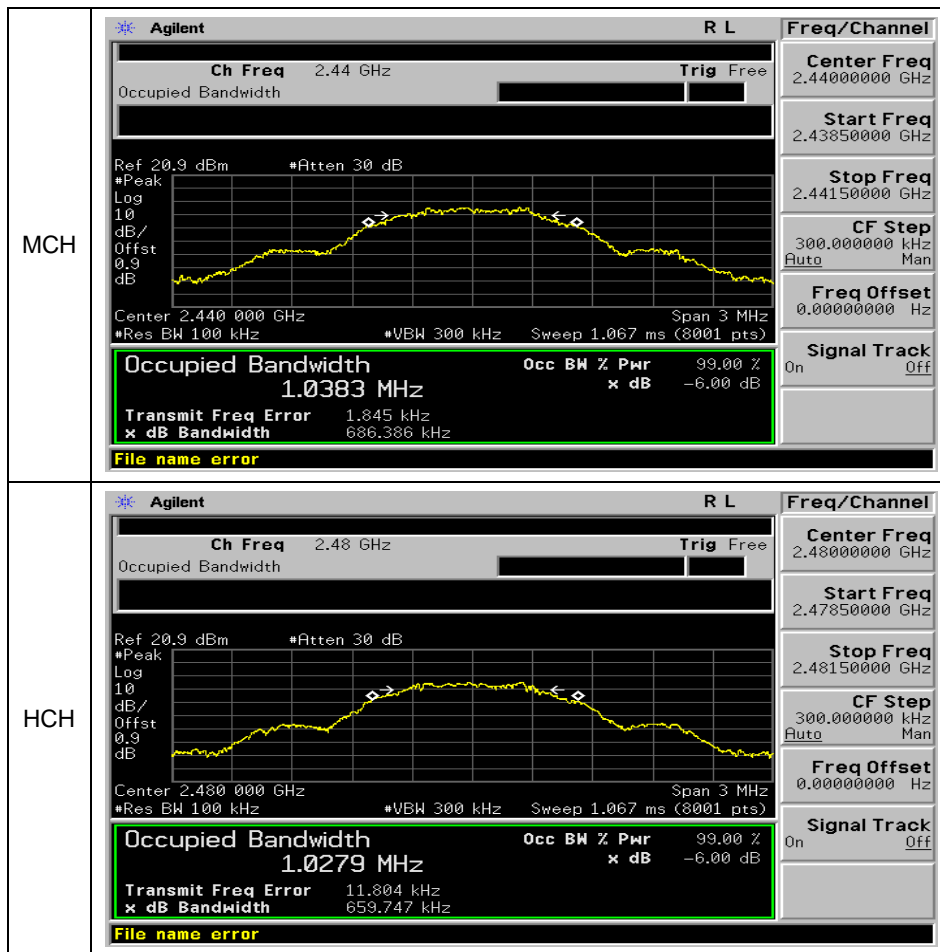
1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 KHz, VBW $\geq$ RBW.
4. Set SPA Trace 1 Max hold, then View.

### 9.3. SUMMARY OF TEST RESULTS/PLOTS

| Mode | Channel | 6dB Bandwidth [MHz] | OBW[MHz] | Verdict |
|------|---------|---------------------|----------|---------|
| BLE  | LCH     | 0.6934              | 1.0352   | PASS    |
| BLE  | MCH     | 0.6864              | 1.0383   | PASS    |
| BLE  | HCH     | 0.6597              | 1.0279   | PASS    |

### Test Graph





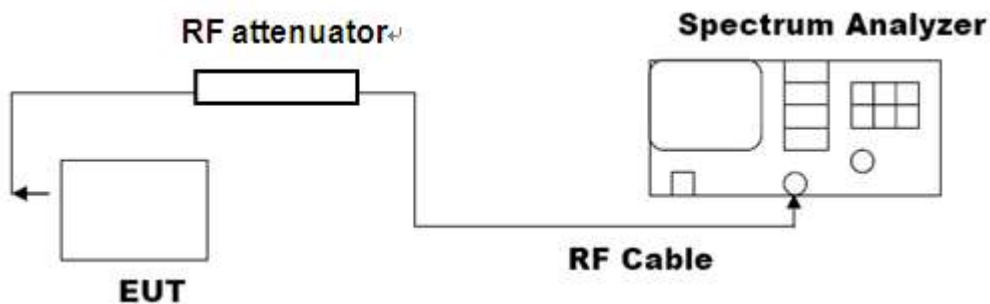
## 10. CONDUCTED OUTPUT POWER

### 10.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, middle and the bottom operation frequency individually.
3. Use the following spectrum analyzer settings:
  - Set the RBW  $\geq$  DTS bandwidth
  - Set the VBW  $\geq$  3 x RBW
  - Set the span  $\geq$  3 x RBW
  - Detector = peak
  - Sweep time = auto couple
  - Trace mode = max hold
4. Allow the trace to stabilize. Use peak marker function to determine the peak amplitude level
5. Record the result form the Spectrum Analyzer.

**Note:** The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

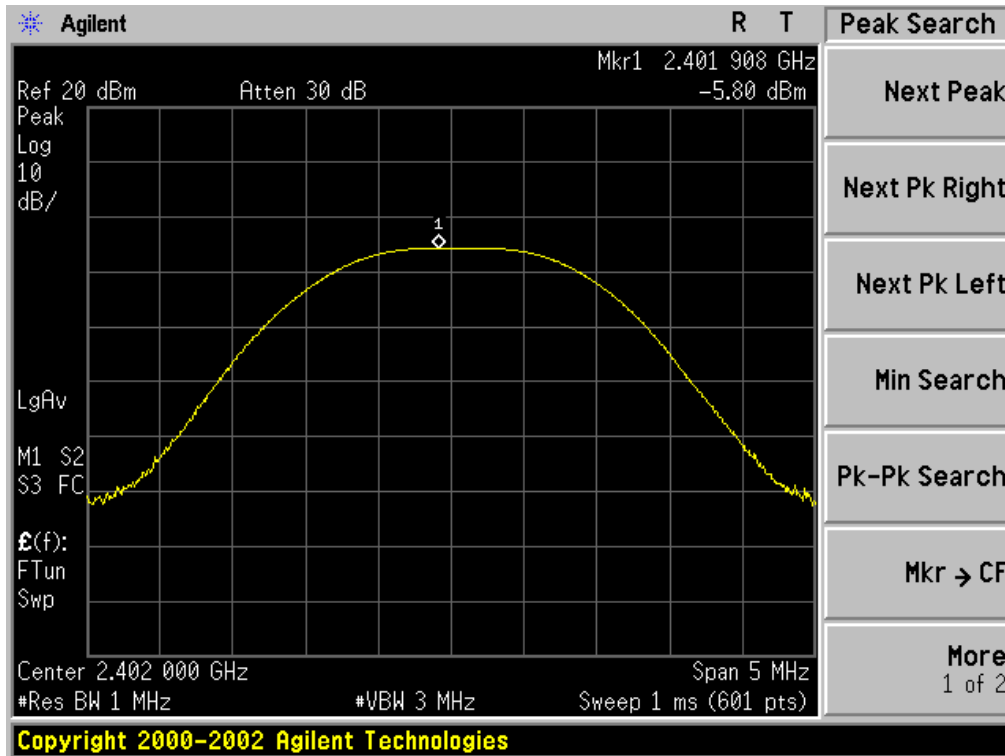
### 10.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



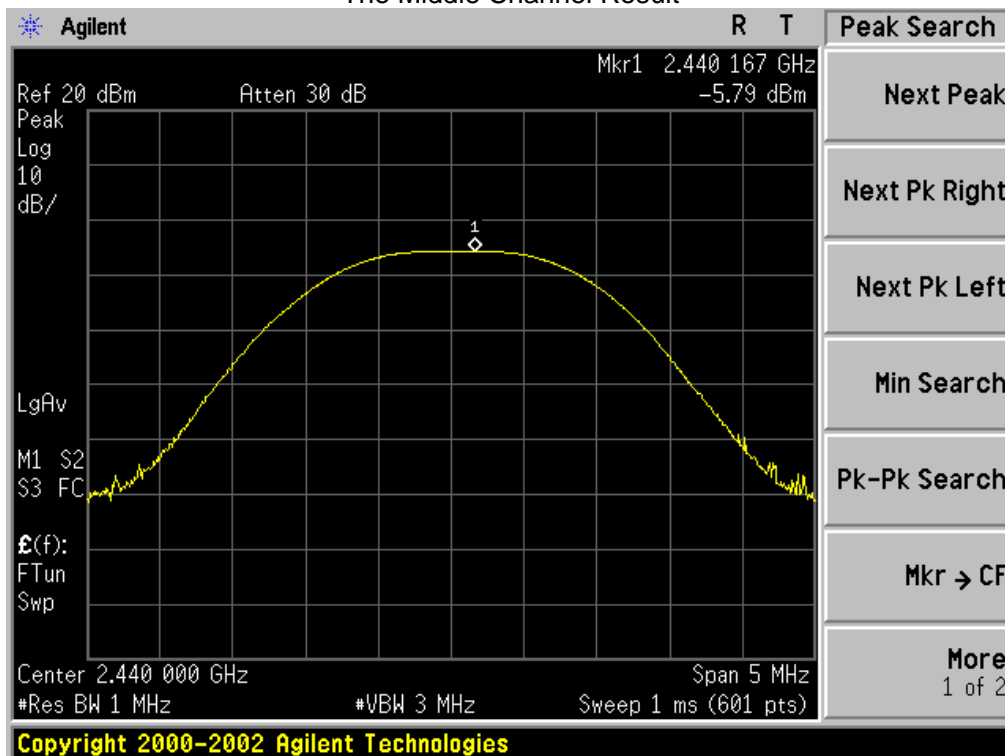
### 10.3. LIMITS AND MEASUREMENT RESULT

| Channel        | Peak Power (dBm) | Applicable Limits (dBm) | Pass/Fail |
|----------------|------------------|-------------------------|-----------|
| Low Channel    | -5.80            | 20                      | Pass      |
| Middle Channel | -5.79            | 20                      | Pass      |
| High Channel   | -6.26            | 20                      | Pass      |

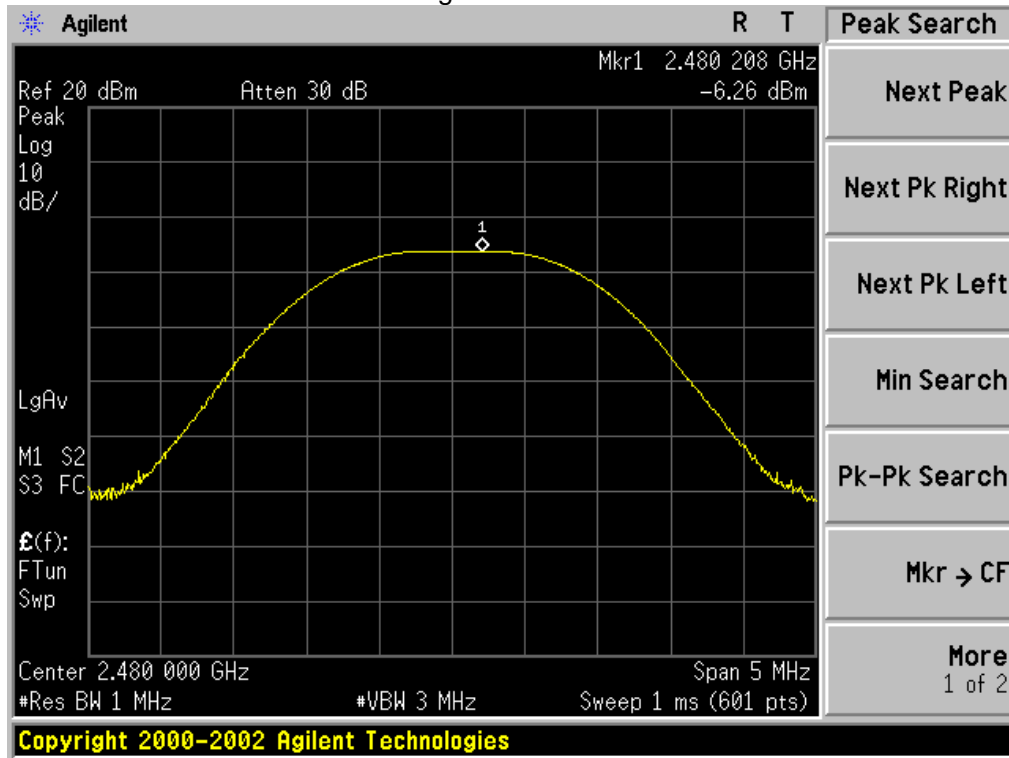
The Low Channel Result



The Middle Channel Result



### The High Channel Result



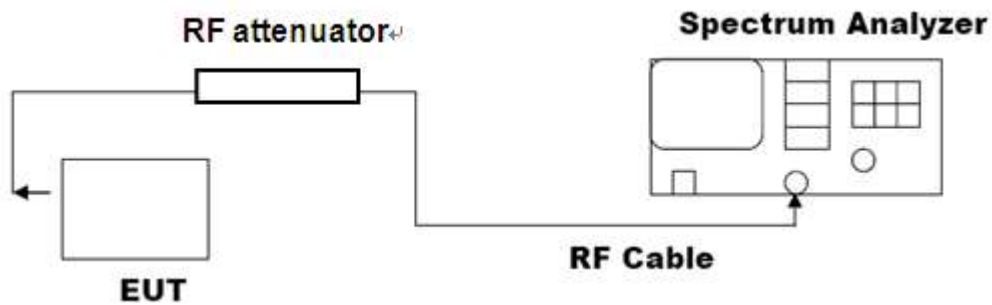
## 11. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

### 11.1 MEASUREMENT PROCEDURE

- (1). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (2). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (3). Set SPA Trace 1 Max hold, then View.

**Note:** The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

### 11.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



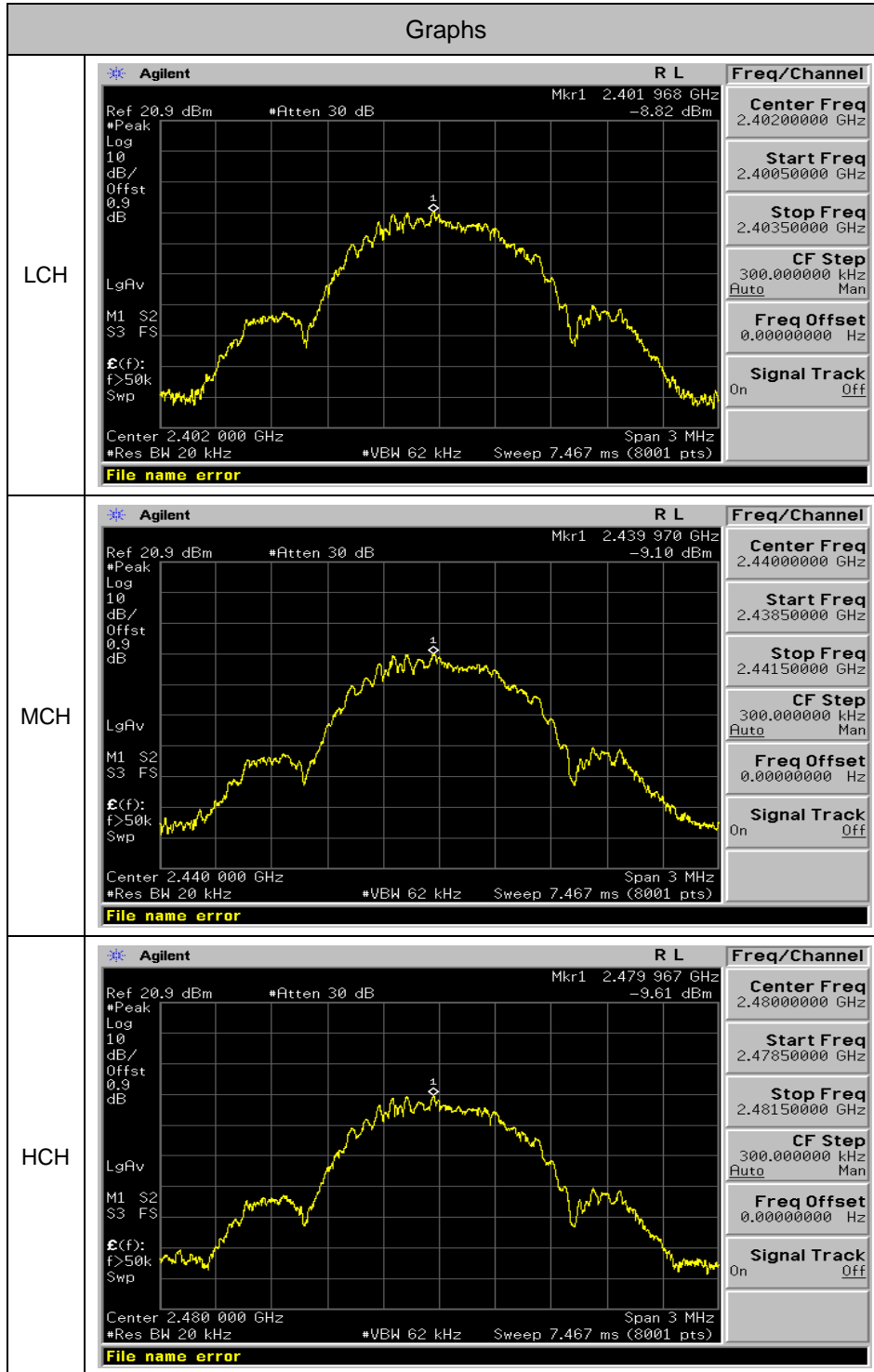
### 11.3 MEASUREMENT EQUIPMENT USED

| Equipment                       | Manufacturer | Model    | Cal. Date  | Cal. Due   |
|---------------------------------|--------------|----------|------------|------------|
| PSA SERIES<br>SPECTRUM ANALYZER | AGILENT      | E4440A   | 02/17/2015 | 02/16/2016 |
| WIDEBAND REQUENCY ANTENNA       | SCHWARZBECK  | VULB9168 | 08/16/2014 | 08/15/2015 |

### 11.4 LIMITS AND MEASUREMENT RESULT

| Mode | Channel | PSD [dBm/10kHz] | Limit[dBm/3kHz] | Verdict |
|------|---------|-----------------|-----------------|---------|
| BLE  | LCH     | -8.82           | 8               | PASS    |
| BLE  | MCH     | -9.11           | 8               | PASS    |
| BLE  | HCH     | -9.61           | 8               | PASS    |

Test Graph



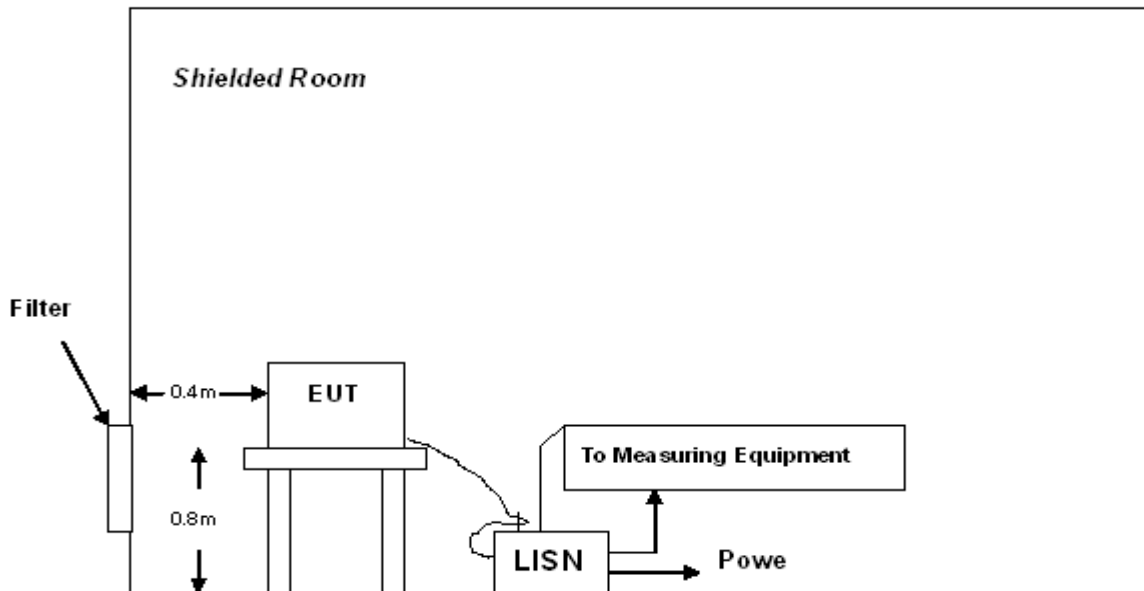
## 12. FCC LINE CONDUCTED EMISSION TEST

### 12.1 LIMITS

| Frequency     | Maximum RF Line Voltage |                |
|---------------|-------------------------|----------------|
|               | Q.P.( dBuV)             | Average( dBuV) |
| 150kHz~500kHz | 66-56                   | 56-46          |
| 500kHz~5MHz   | 56                      | 46             |
| 5MHz~30MHz    | 60                      | 50             |

- \*\*Note:** 1. The lower limit shall apply at the transition frequency.  
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

### 12.2 TEST SETUP



A: Powered through filter



### 12.3 PRELIMINARY PROCEDURE

- 1) The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2) Support equipment, if needed, was placed as per ANSI C63.4.
- 3) All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- 4) All support equipments received AC120V/60Hz power from a LISN, if any.
- 5) The EUT received power by adapter which received power by a LISN.
- 6) The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7) Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8) During the above scans, the emissions were maximized by cable manipulation.
- 9) The following test mode(s) were scanned during the preliminary test.  
Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

### 12.4 FINAL TEST PROCEDURE

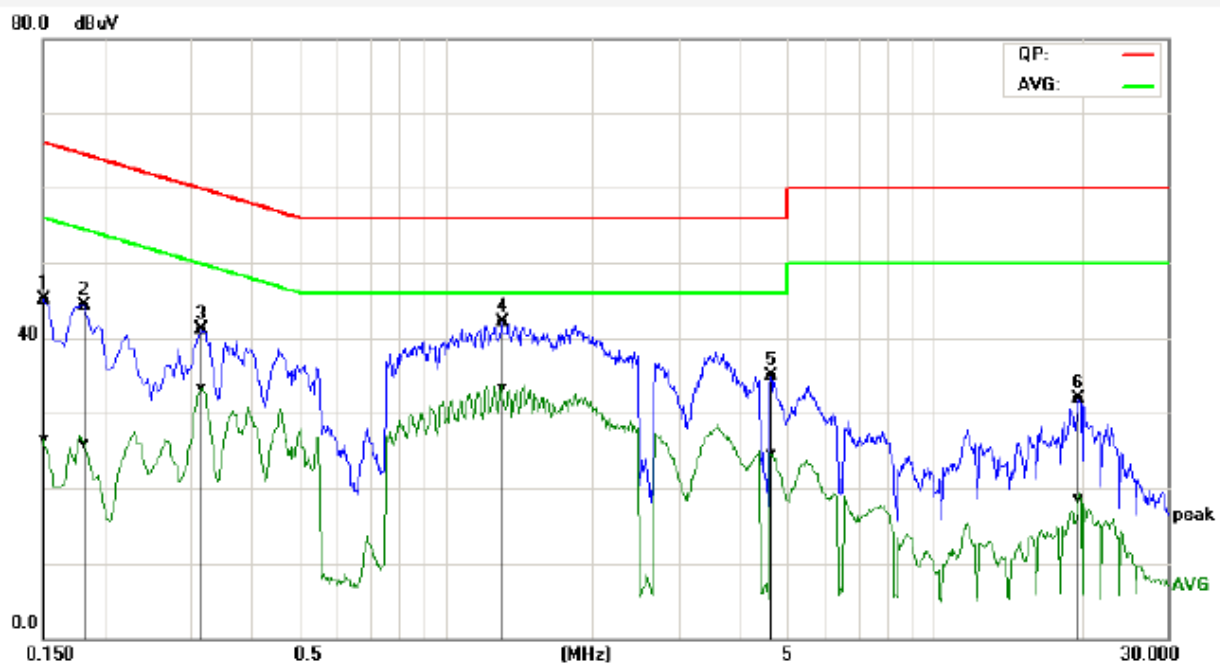
- 10) EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- 11) 2) A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less -2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 12) 3) The test data of the worst case condition(s) was reported on the Summary Data page.

### 12.5 TEST RESULT OF POWER LINE

#### Line Conducted Emission Test Line 1-L

|            |                            |                   |              |
|------------|----------------------------|-------------------|--------------|
| Job No.:   | 20150428-1                 | Date:             | 2015-4-28    |
| Company:   | AGC                        | Time:             | 15:40:23     |
| Standard:  | FCC Class B Conduction(QP) | Temp.(C)/Hum.(%): | 26(C) / 60 % |
| Test item: | Conduction Test            | EUT:              |              |
| Line :     | L1                         | Test Voltage      | AC 120V/60Hz |
| Model:     | BT-840                     | Test By :         |              |

Description: Normal Operating(BT4.0)

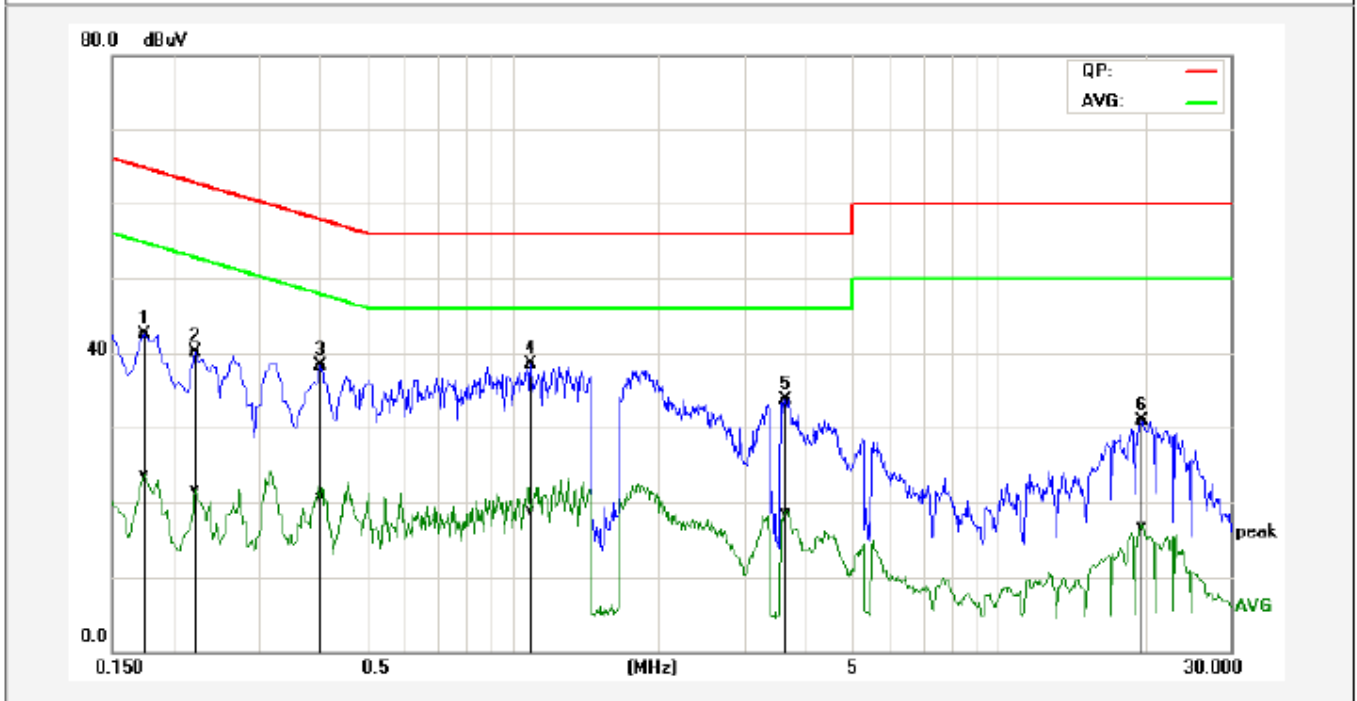


| No. | Frequency<br>(MHz) | QuasiPeak<br>reading<br>(dBuV) | Average<br>reading<br>(dBuV) | Correction<br>factor<br>(dB) | QuasiPeak<br>result<br>(dBuV) | Average<br>result<br>(dBuV) | QuasiPeak<br>limit<br>(dBuV) | Average<br>limit<br>(dBuV) | QuasiPeak<br>margin<br>(dB) | Average<br>margin<br>(dB) | Remark |
|-----|--------------------|--------------------------------|------------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|---------------------------|--------|
| 1P  | 0.1500             | 35.53                          | 16.84                        | 9.58                         | 45.11                         | 26.42                       | 65.99                        | 56.00                      | -20.88                      | -29.58                    | Pass   |
| 2P  | 0.1819             | 34.72                          | 16.35                        | 9.65                         | 44.37                         | 26.00                       | 64.39                        | 54.40                      | -20.02                      | -28.40                    | Pass   |
| 3P  | 0.3180             | 31.32                          | 23.69                        | 9.69                         | 41.01                         | 33.38                       | 59.76                        | 49.76                      | -18.75                      | -16.38                    | Pass   |
| 4*  | 1.3060             | 32.30                          | 23.56                        | 9.72                         | 42.02                         | 33.28                       | 56.00                        | 46.00                      | -13.98                      | -12.72                    | Pass   |
| 5P  | 4.6380             | 25.23                          | 14.91                        | 9.68                         | 34.91                         | 24.59                       | 56.00                        | 46.00                      | -21.09                      | -21.41                    | Pass   |
| 6P  | 19.8420            | 22.02                          | 8.74                         | 9.83                         | 31.85                         | 18.57                       | 60.00                        | 50.00                      | -28.15                      | -31.43                    | Pass   |

Line Conducted Emission Test Line 1-N

|            |                            |                   |              |
|------------|----------------------------|-------------------|--------------|
| Job No.:   | 20150428-1                 | Date:             | 2015-4-28    |
| Company:   | AGC                        | Time:             | 15:43:30     |
| Standard:  | FCC Class B Conduction(QP) | Temp.(C)/Hum.(%): | 26(C) / 60 % |
| Test item: | Conduction Test            | EUT:              |              |
| Line :     | N                          | Test Voltage      | AC 120V/60Hz |
| Model:     | BT-840                     | Test By :         |              |

Description: Normal Operating(BT4.0)



| No. | Frequency (MHz) | QuasiPeak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | QuasiPeak result (dBuV) | Average result (dBuV) | QuasiPeak limit (dBuV) | Average limit (dBuV) | QuasiPeak margin (dB) | Average margin (dB) | Remark |
|-----|-----------------|--------------------------|------------------------|------------------------|-------------------------|-----------------------|------------------------|----------------------|-----------------------|---------------------|--------|
| 1P  | 0.1740          | 32.76                    | 13.99                  | 9.78                   | 42.54                   | 23.77                 | 64.76                  | 54.77                | -22.22                | -31.00              | Pass   |
| 2P  | 0.2220          | 30.32                    | 11.91                  | 9.78                   | 40.10                   | 21.69                 | 62.74                  | 52.74                | -22.64                | -31.05              | Pass   |
| 3P  | 0.4020          | 28.68                    | 10.98                  | 9.71                   | 38.39                   | 20.69                 | 57.81                  | 47.81                | -19.42                | -27.12              | Pass   |
| 4*  | 1.0900          | 28.64                    | 9.05                   | 9.80                   | 38.44                   | 18.85                 | 56.00                  | 46.00                | -17.56                | -27.15              | Pass   |
| 5P  | 3.6460          | 24.04                    | 8.77                   | 9.76                   | 33.80                   | 18.53                 | 56.00                  | 46.00                | -22.20                | -27.47              | Pass   |
| 6P  | 19.8340         | 21.18                    | 7.00                   | 9.73                   | 30.91                   | 16.73                 | 60.00                  | 50.00                | -29.09                | -33.27              | Pass   |

## APPENDIX A: PHOTOGRAPHS OF TEST SETUP

### FCC LINE CONDUCTED EMISSION TEST SETUP



### FCC RADIATED EMISSION TEST SETUP



## APPENDIX B: PHOTOGRAPHS OF EUT

### TOTAL VIEW OF EUT



TOP VIEW OF EUT



BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT



LEFT VIEW OF EUT



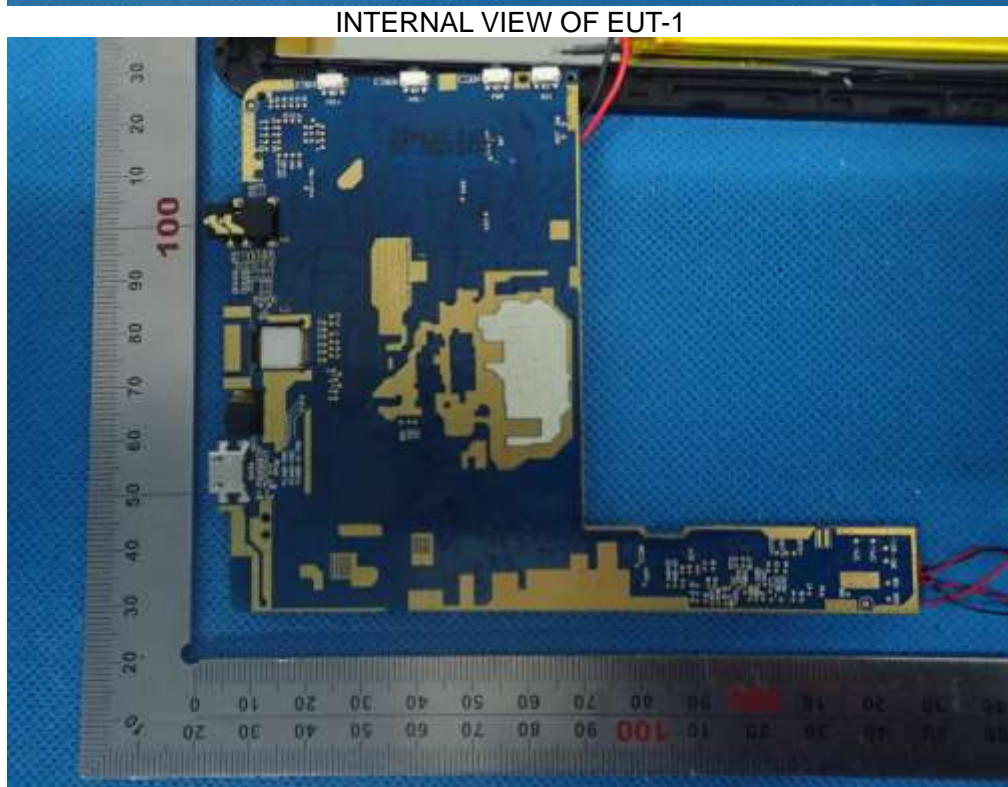
RIGHT VIEW OF EUT



OPEN VIEW OF EUT-1







INTERNAL VIEW OF EUT-2



INTERNAL VIEW OF EUT-3



----END OF REPORT----