

# TEST REPORT

**REPORT NUMBER: B08GE4046-FCC-BT**

**ON**

**Type of Equipment:** GSM/GPRS Mobile phone  
**Type of Designation:** MEGA3  
**Manufacturer:** Ezze Mobile Tech

**ACCORDING TO**  
**FCC Part 15, FREQUENCY Hopping Spread Spectrum**  
**Transceiver**

**PART 15 subpart C 15.247**

**China Telecommunication Technology Labs.**

*Month date, year*  
*Feb, 27, 2008*

*Signature*



Ma Xin  
**Deputy Director**

**FCC ID:** RV2MEGA3

**Report Date:** 2008-2-27

**Test Firm Name:** China Telecommunication Technology Labs

**Registration Number:** 840587

#### Statement

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported tests were carried out on a sample equipment to demonstrate limited compliance with FCC Parts 15, subpart C 15.247. The sample tested was found to comply with the requirements defined in the applied rules.

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## 1 General Information

### 1.1 Notes

All reported tests were carried out on a sample equipment to demonstrate limited compliance with FCC Parts 15, subpart C 15.247.

The test results of this test report relate exclusively to the item(s) tested as specified in section 2.

The following deviation from, additions to, or exclusions from the test specifications have been made. See Annex B.

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FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT

## 1.2 Testers

Name: An Shaogeng  
Position: Engineer  
Department: Department of EMC test  
Duration of the test: 2008-1-25  
Signature: 安少刚

Name: Yuan Yuan  
Position: Engineer  
Department: Department of EMC test  
Duration of the test: From 2008-2-25 to 2008-2-26  
Signature: 袁园

Editor of this test report:

Name: Li Guoqing  
Position: Engineer  
Department: Department of EMC test  
Date: 2008.2.27  
Signature: 李国庆

Technical responsibility for area of testing:

Name: Zou Dongyi  
Position: Manager  
Department: Department of EMC test  
Date: 2008.2.27  
Signature: 邹东屹

### 1.3 Testing Laboratory information

#### 1.3.1 Location

Name: China Telecommunication Technology Labs.

Address: No. 11, Yue Tan Nan Jie, Xi Cheng District  
BEIJING

P. R. CHINA, 100083

Tel: +86 10 68094053

Fax: +86 10 68011404

Email: [emc@chinattl.com](mailto:emc@chinattl.com)

#### 1.3.2 Details of accreditation status

Accredited by: China National Accreditation for Laboratory (CNAL)

Registration number: CNAL Registration No.L0570

Standard: ISO/IEC 17025

#### 1.3.3 Test location, where different from section 1.3.1

Name: -----

Street: -----

City: -----

Country: -----

Telephone: -----

Fax: -----

Postcode: -----

## 1.4 Details of applicant or manufacturer

### 1.4.1 Applicant

Name: Ezze Mobile Tech  
Address: 1F, Bubmusa Bldg., 151-31, Nonhyun-dong,  
Kangnam-ku, Seoul  
Country: Korea  
Telephone: 82-2-519-7807  
Fax: 82-2-519-7882  
Contact: Han shin, Lee  
Telephone: 82-19-543-3776  
Email: leehs@ezzemobile.com

### 1.4.2 Manufacturer (if different from applicant in section 1.4.1)

Name: --  
Address: --  
City: --  
Country: --

### 1.4.3 Manufactory (if different from applicant in section 1.4.1)

Name: Ezze Mobile Tech  
Address: Rm. 204, Anyang Megavalley, 799,  
Guanyang-dong, Dongan-gu, Anyang-city,  
Gyeonggi-do, Korea, 431-767

## 2 Test Item

### 2.1 General Information

Manufacturer: Ezze Mobile Tech  
Name: GSM/GPRS Mobile phone  
Model Number: MEGA3  
Serial Number: --  
Production Status: Product  
Receipt date of test item: Production

### 2.2 Outline of EUT

E.U.T. is a GSM/GPRS Mobile phone.

### 2.3 Modifications Incorporated in EUT

The EUT has not been modified from what is described by the brand name and unique type identification stated above.

### 2.4 Equipment Configuration

Equipment configuration list:

| Item | Generic Description | Manufacturer     | Type                 | Serial No. | Remarks |
|------|---------------------|------------------|----------------------|------------|---------|
| A    | Mobile Station      | Ezze Mobile Tech | MEGA3                | --         | None    |
| B    | Adapter             | Yu Feng          | YF-0510228           | --         | None    |
| C    | Battery             | ZHIYIN           | MEGA3                | --         | None    |
| D    | Headset             | Rich star        | Wire<br>Type(stereo) | --         | None    |

Cables:

| Item | Cable Type             | Manufacturer | Length | Shield | Quantity | Remarks |
|------|------------------------|--------------|--------|--------|----------|---------|
| 1    | DC cable on<br>Adapter | Unknown      | 1.0m   | No     | 1        | None    |

### 2.5 Other Information

- (a) Adaptor information:  
Input: 100-240VAC 50-60Hz  
Output: 5.0V
- (b) Battery information:  
3.7VDC 700mAh



### 3 Summary of Test Results

A brief summary of the tests carried out is shown as following.

|            | Name of Test                   | Result |
|------------|--------------------------------|--------|
| 1、         | Peak power                     | Pass   |
| 2、         | Band edge (conducted)          | Pass   |
| 3、         | Band edge (radiated)           |        |
| 4、         | Frequency separation           | Pass   |
| 5、         | Number of hopping frequency    | Pass   |
| 6、         | Time of occupancy              | Pass   |
| 7、         | Spurious emission (conducted)  | Pass   |
| 8、         | Spurious emission (radiated)   |        |
| 9、         | Power line Conducted Emissions | Pass   |
| Note: none |                                |        |

## 4 Test Results

### 4.1 Peak power

|                      |                                                                                     |              |              |               |            |        |
|----------------------|-------------------------------------------------------------------------------------|--------------|--------------|---------------|------------|--------|
| Specifications:      | 15.247 (b)(3)(i),(ii)and(iii)                                                       |              |              |               |            |        |
| Date of Tests        | 2008.1.25                                                                           |              |              |               |            |        |
| Test conditions:     | Ambient Temperature:15℃-35℃<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |              |              |               |            |        |
| Operation Mode       | Fix channel transmit                                                                |              |              |               |            |        |
| Test Results:        | Pass                                                                                |              |              |               |            |        |
| Test equipment Used: |                                                                                     |              |              |               |            |        |
| Asset Number         | Description                                                                         | Manufacturer | Model Number | Serial Number | Cal Due    | State  |
| 7805                 | EMI Test Receiver                                                                   | R/S          | ESI26        | 100211        | 2009-01-03 | Normal |
| 7330                 | Universal Radio Communications Tester                                               | R&S          | CMU200       | 100233        | 2009-02-22 | Normal |

#### Test Setup:

The Universal Radio Communications Tester was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a coupling.

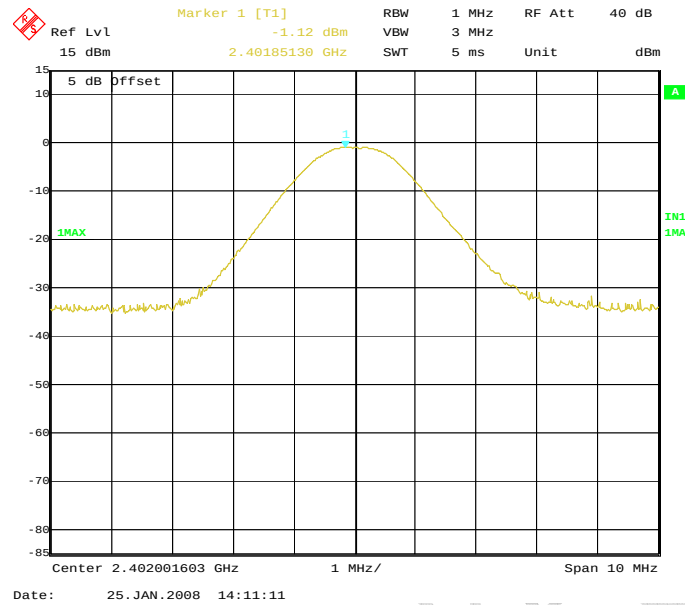
#### Test Results:

| channel | Frequency (MHz) | Output Power (dBm) | Limit (dBm) | Result |
|---------|-----------------|--------------------|-------------|--------|
| 0       | 2401.85         | -1.12              | 30          | Pass   |
| 39      | 2440.97         | -0.74              | 30          | Pass   |
| 78      | 2479.80         | 0.01               | 30          | pass   |

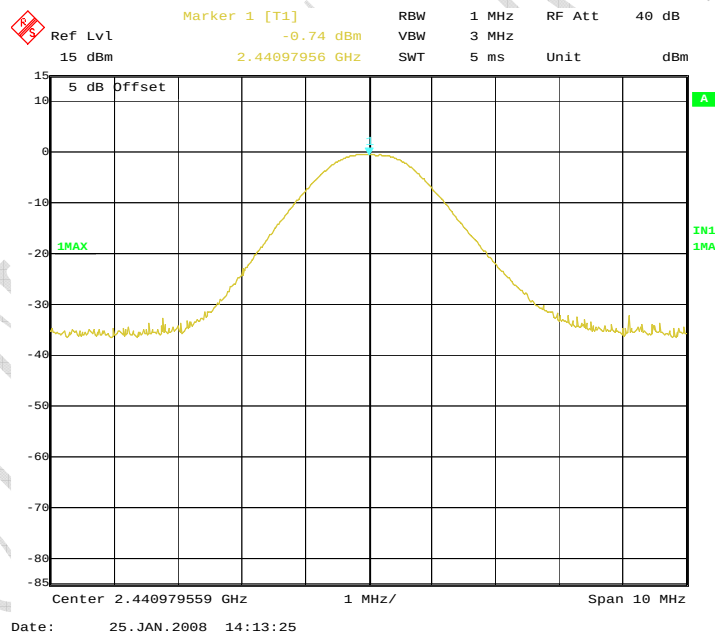
FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT

Test Data:  
Channel 0:



Channel 39



**REPORT NO.: B08GE4046-FCC-BT**

Ref Lvl 15 dBm Marker 1 [T1] 0.01 dBm RBW 1 MHz RF Att 40 dB  
 2.47980721 GHz VBW 3 MHz Unit dBm  
 5 dB Offset

1MAX

1

Center 2.47957515 GHz 1 MHz/ Span 10 MHz

Date: 25.JAN.2008 14:17:20

**4.2 Band edges (conducted)**

|                      |                                                                                     |              |              |               |            |        |
|----------------------|-------------------------------------------------------------------------------------|--------------|--------------|---------------|------------|--------|
| Specifications:      | 15.247 (d)                                                                          |              |              |               |            |        |
| Date of Tests        | 2008.1.25                                                                           |              |              |               |            |        |
| Test conditions:     | Ambient Temperature:15℃-35℃<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |              |              |               |            |        |
| Operation Mode       | Fix channel transmit                                                                |              |              |               |            |        |
| Test Results:        | Pass                                                                                |              |              |               |            |        |
| Test equipment Used: |                                                                                     |              |              |               |            |        |
| Asset Number         | Description                                                                         | Manufacturer | Model Number | Serial Number | Cal Due    | State  |
| 7805                 | EMI Test Receiver                                                                   | R/S          | ESI26        | 100211        | 2009-01-03 | Normal |
| 7330                 | Universal Radio Communications Tester                                               | R&S          | CMU200       | 100233        | 2009-02-22 | Normal |

**Test Setup:**

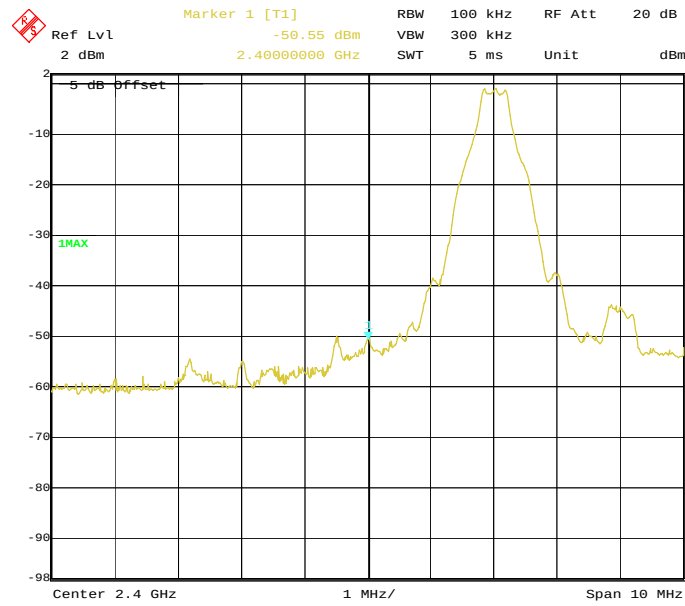
The Universal Radio Communications Tester was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a coupling.

FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT

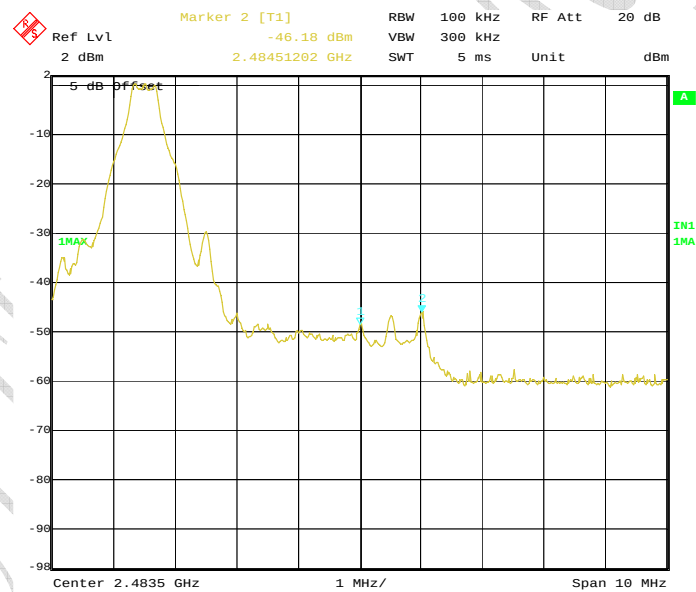
Test data:

Channel 0



Date: 25.JAN.2008 14:39:41

Channel 78



Date: 25.JAN.2008 14:36:11

### 4.3 Band edges measurement (Radiated)

|                      |                                                                                     |              |                 |               |            |        |
|----------------------|-------------------------------------------------------------------------------------|--------------|-----------------|---------------|------------|--------|
| Specifications:      | 15.247 (c); 15.205(a) and 15.209(a)                                                 |              |                 |               |            |        |
| Date of Tests        | 2008.2.25                                                                           |              |                 |               |            |        |
| Test conditions:     | Ambient Temperature:15℃-35℃<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |              |                 |               |            |        |
| Operation Mode       | Fix channel transmit                                                                |              |                 |               |            |        |
| Test Results:        | Pass                                                                                |              |                 |               |            |        |
| Test equipment Used: |                                                                                     |              |                 |               |            |        |
| Asset Number         | Description                                                                         | Manufacturer | Model Number    | Serial Number | Cal Due    | State  |
| 7805                 | EMI Test Receiver                                                                   | R/S          | ESI26           | 100211        | 2009-01-03 | Normal |
| 7330                 | Horn Antenna                                                                        | R/S          | HF906           | 100037        | 2010-01-09 | Normal |
| 713                  | Fully-Anechoic Chamber                                                              | ETS          | 11.8m×6.5m×6.3m | --            | 2010-11-16 | Normal |
| 7330                 | Universal Radio Communications Tester                                               | R&S          | CMU200          | 100233        | 2009-02-22 | Normal |

#### Test Setup:

The EUT was placed in an anechoic chamber. The Universal Radio Communications Tester was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a Horn antenna.

#### Test method:

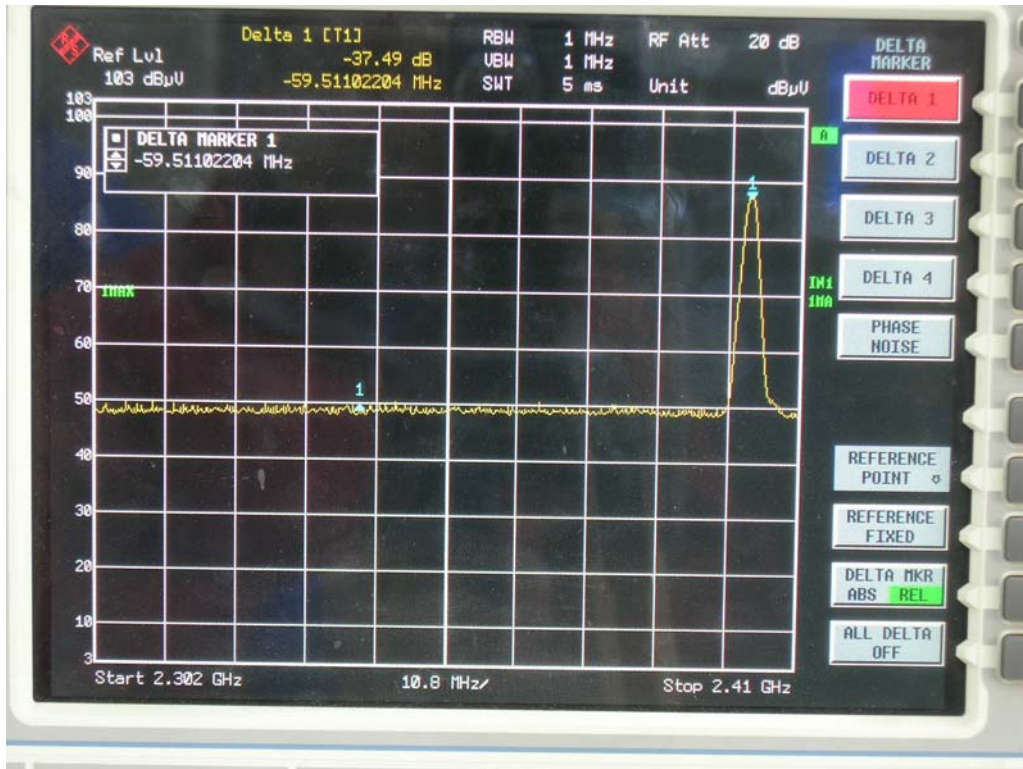
Use peak and average detector to measure band edges.

Test should be performing under Vertical and Horizontal modes.

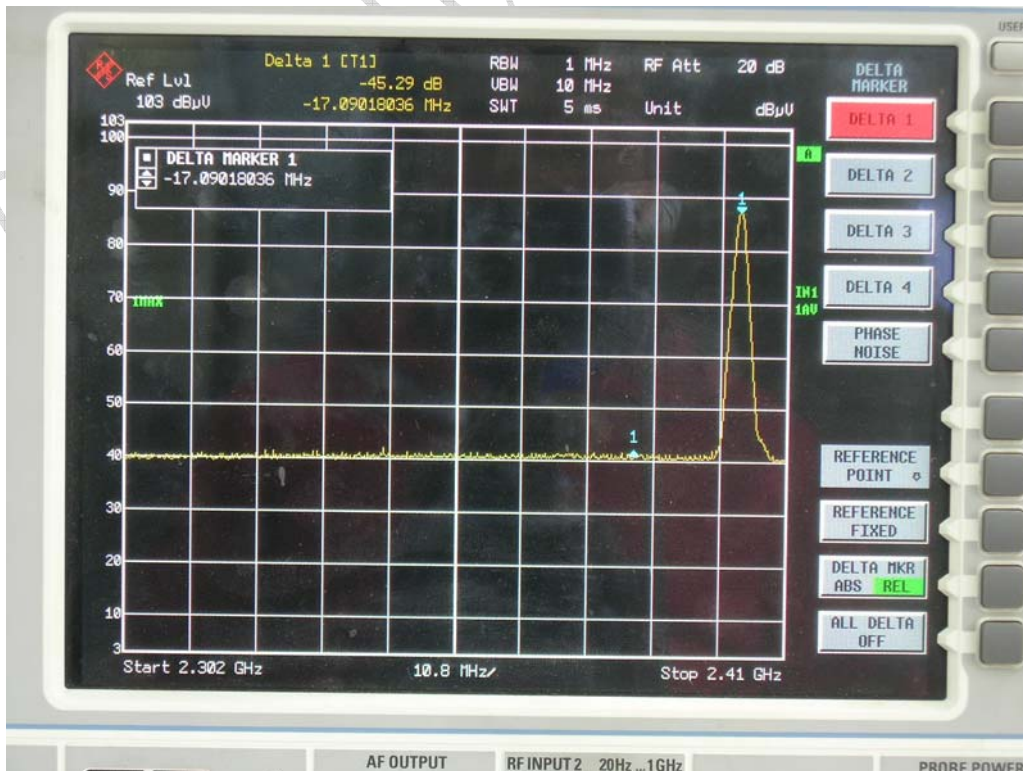
FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT

Test data:  
Channel 0  
Vertical  
Peak mode:



Average mode:





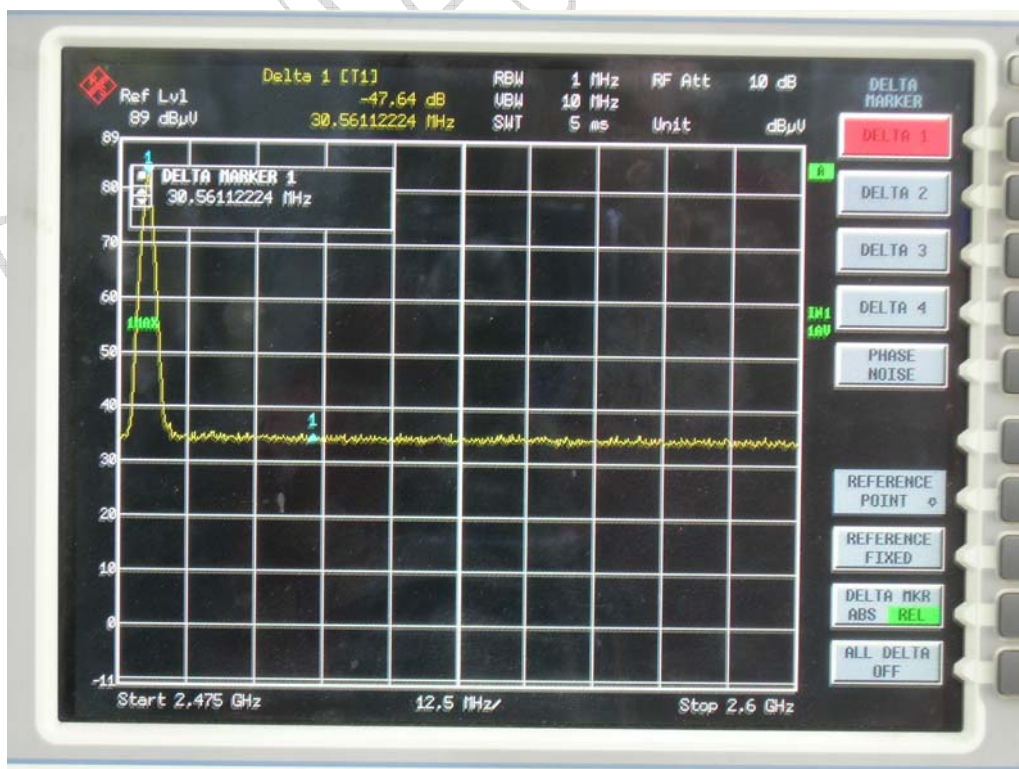
**REPORT NO.: B08GE4046-FCC-BT**

The image shows a Keysight E67B Spectrum Analyzer screen. The display is divided into several sections:

- Top Section:**
  - Delta 1 [T1]:** -33.06613226 MHz
  - Ref Lvl:** 103 dBuV
  - RBW:** 1 MHz
  - UBW:** 1 MHz
  - RF Att:** 20 dB
  - SWT:** 5 ms
  - Unit:** dBuV
- Plot Area:**
  - Y-axis:** dBm (3 to 103)
  - X-axis:** Frequency (Start 2.3 GHz, Stop 2.41 GHz)
  - Grid:** 10 divisions by 10 divisions
  - Signal:** A peak is visible at 2.41 GHz, reaching approximately 78 dBm.
  - Delta Marker 1:** A box in the top left of the plot area shows "DELTA MARKER 1" and "-33.06613226 MHz".
- Right Side Controls:**
  - DELTA MARKER:** A section with buttons for DELTA 1, DELTA 2, DELTA 3, DELTA 4, PHASE NOISE, REFERENCE POINT, REFERENCE FIXED, DELTA MKR ABS, and ALL DELTA OFF.

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Peak mode:





**REPORT NO.: B08GE4046-FCC-BT**

The image shows a Keysight E67B Spectrum Analyzer screen. The main display is a grid with a yellow trace showing a peak at 16.28256513 MHz. The peak is labeled '1' and '16.28256513 MHz'. The screen displays various parameters: Delta 1 [T1], Ref Lvl 89 dBuV, -24.48 dB, RBW 1 MHz, VBW 1 MHz, SWT 5 ms, Unit dBuV, and Delta Marker 1 at 16.28256513 MHz. The frequency range is from 2.475 GHz to 2.6 GHz. The right side of the screen shows control buttons for Delta Marker, Reference Point, Reference Fixed, Delta Marker (ABS/REL), and All Delta Off.

Delta 1 [T1]  
-32.08 dB  
29.80961924 MHz

Ref Lvl 89 dBuV  
RBW 1 MHz  
UBW 10 MHz  
SWT 5 ms  
RF Att 10 dB  
Unit dBuV

DELTA MARKER 1  
29.80961924 MHz

1H02

1

Start 2.475 GHz 12.5 MHz/ Stop 2.6 GHz

DELTA MARKER  
DELTA 1  
DELTA 2  
DELTA 3  
DELTA 4  
PHASE NOISE  
REFERENCE POINT  
REFERENCE FIXED  
DELTA MKR  
ABS REL  
ALL DELTA OFF

#### 4.4 Frequency separation

|                      |                                                                                     |              |              |               |            |        |
|----------------------|-------------------------------------------------------------------------------------|--------------|--------------|---------------|------------|--------|
| Specifications:      | 15.247(a)(1)                                                                        |              |              |               |            |        |
| Date of Test         | 2008.1.25                                                                           |              |              |               |            |        |
| Test conditions:     | Ambient Temperature:15℃-35℃<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |              |              |               |            |        |
| Operation Mode       | Fix channel transmit                                                                |              |              |               |            |        |
| Test Results:        | Pass                                                                                |              |              |               |            |        |
| Test equipment Used: |                                                                                     |              |              |               |            |        |
| Asset Number         | Description                                                                         | Manufacturer | Model Number | Serial Number | Cal Due    | State  |
| 7805                 | EMI Test Receiver                                                                   | R/S          | ESI26        | 100211        | 2009-01-03 | Normal |
| 7330                 | Universal Radio Communications Tester                                               | R&S          | CMU200       | 100233        | 2009-02-22 | Normal |

#### Test Setup

The Universal Radio Communications Tester was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a coupling.

#### Test Result:

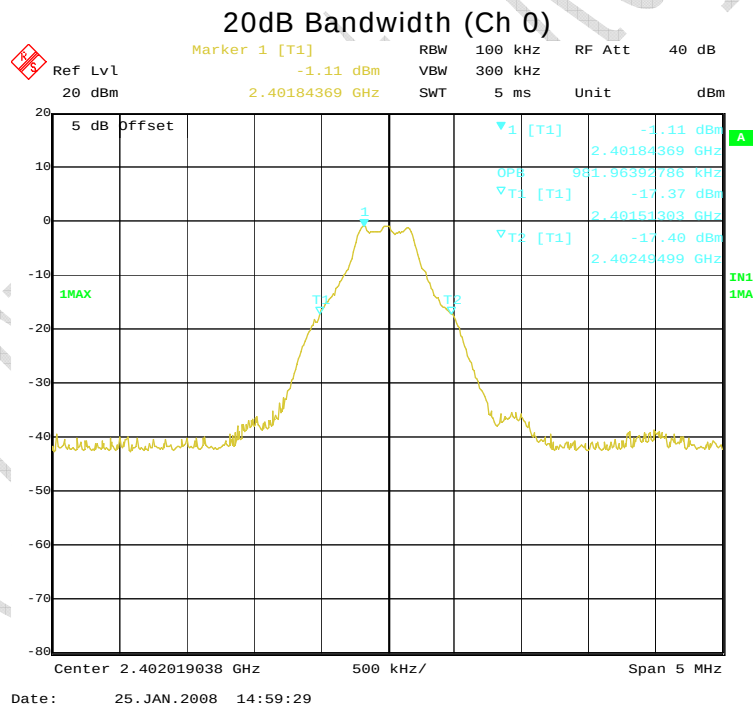
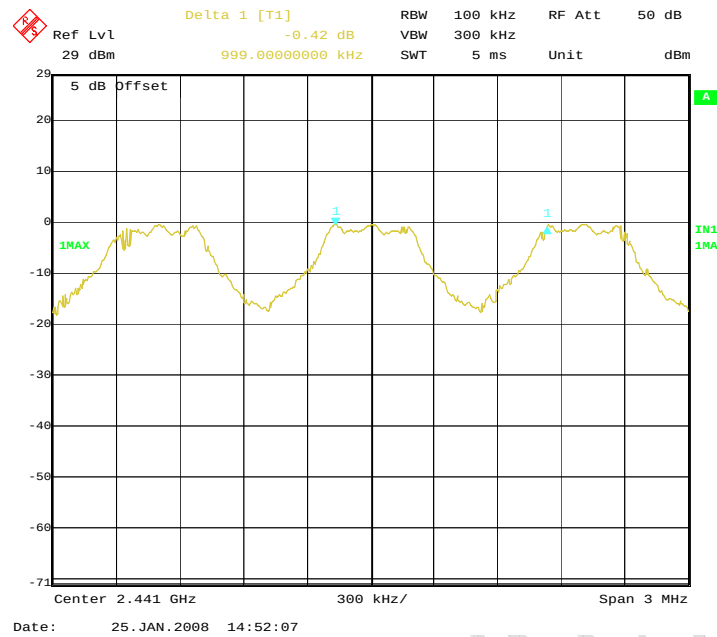
| Channel separation (MHz) | 20dB Bandwidth (kHz) |        | Limit (kHz) | Result |
|--------------------------|----------------------|--------|-------------|--------|
| 0.999                    | Ch 0                 | 981.96 | >25         | Pass   |
|                          | Ch 39                | 991.98 | >25         | Pass   |
|                          | Ch 78                | 991.98 | >25         | Pass   |

FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

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Test data:

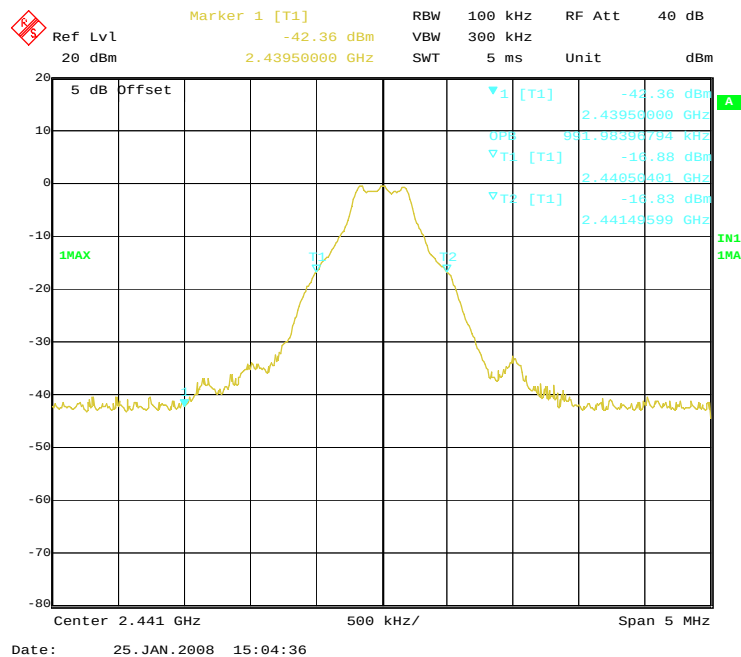
Channel Separation



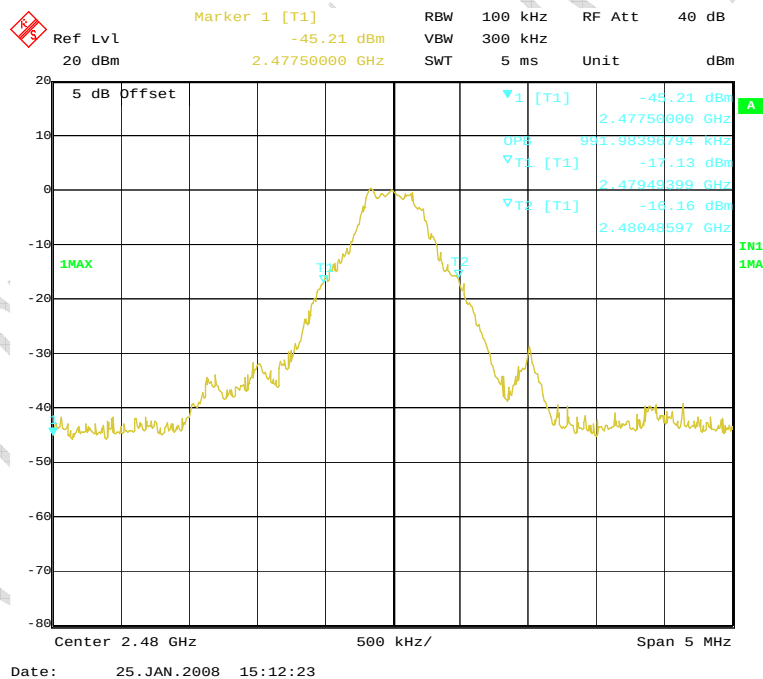
FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT

### 20dB Bandwidth (Ch 39)



### 20dB Bandwidth (Ch 78)



#### 4.5 Number of hopping frequency

|                      |                                                                                     |              |              |               |            |        |
|----------------------|-------------------------------------------------------------------------------------|--------------|--------------|---------------|------------|--------|
| Specifications:      | 15.247(a)(1)(ii)                                                                    |              |              |               |            |        |
| Date of Test         | 2007.11.26                                                                          |              |              |               |            |        |
| Test conditions:     | Ambient Temperature:15℃-35℃<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |              |              |               |            |        |
| Operation Mode       | hopping                                                                             |              |              |               |            |        |
| Test Results:        | Pass                                                                                |              |              |               |            |        |
| Test equipment Used: |                                                                                     |              |              |               |            |        |
| Asset Number         | Description                                                                         | Manufacturer | Model Number | Serial Number | Cal Due    | State  |
| 7805                 | EMI Test Receiver                                                                   | R/S          | ESI26        | 100211        | 2009-01-03 | Normal |
| 7330                 | Universal Radio Communications Tester                                               | R&S          | CMU200       | 100233        | 2009-02-22 | Normal |

#### Test Setup

The Universal Radio Communications Tester was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a coupling.

#### Test Result:

| Result (No. of Ch) | Limit (No. of Ch) | Result |
|--------------------|-------------------|--------|
| 79                 | >75               | Pass   |

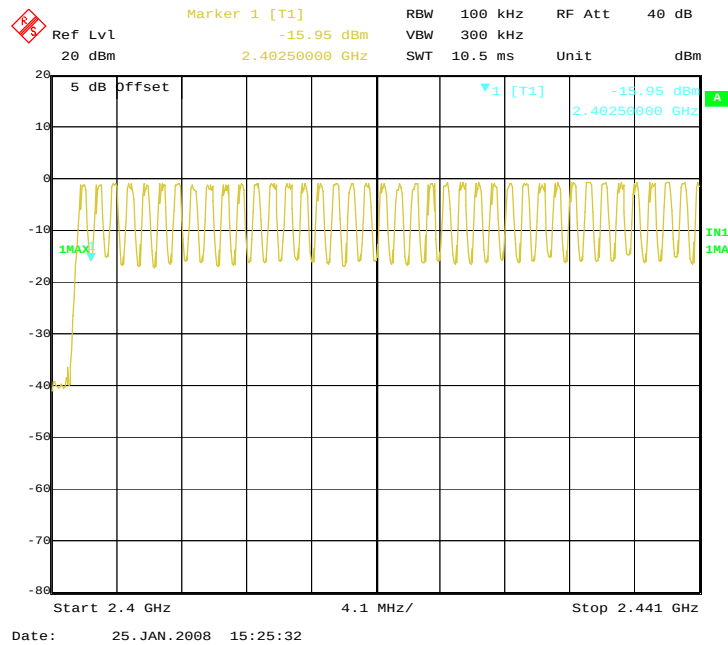
FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT

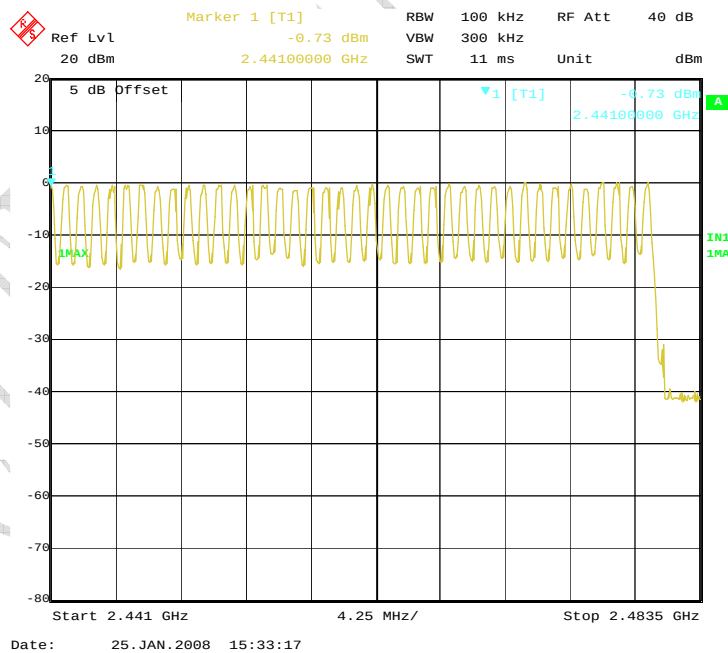
Test data:

Channel Number

2.4GHz-2.441GHz



2.441GHz-2.4835GHz





**4.6 Time of occupancy**

|                      |                                                                                     |              |              |               |            |        |
|----------------------|-------------------------------------------------------------------------------------|--------------|--------------|---------------|------------|--------|
| Specifications:      | 15.247(a)(1)(iii)                                                                   |              |              |               |            |        |
| Date of Test         | 2008.1.25                                                                           |              |              |               |            |        |
| Test conditions:     | Ambient Temperature:15℃-35℃<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |              |              |               |            |        |
| Operation Mode       | Fix channel                                                                         |              |              |               |            |        |
| Test Results:        | Pass                                                                                |              |              |               |            |        |
| Test equipment Used: |                                                                                     |              |              |               |            |        |
| Asset Number         | Description                                                                         | Manufacturer | Model Number | Serial Number | Cal Due    | State  |
| 7805                 | EMI Test Receiver                                                                   | R/S          | ESI26        | 100211        | 2009-01-03 | Normal |
| 7330                 | Universal Radio Communications Tester                                               | R&S          | CMU200       | 100233        | 2009-02-22 | Normal |

**Test Setup**

The Universal Radio Communications Tester was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a coupling.

**Test Result:****Function for DH5:**

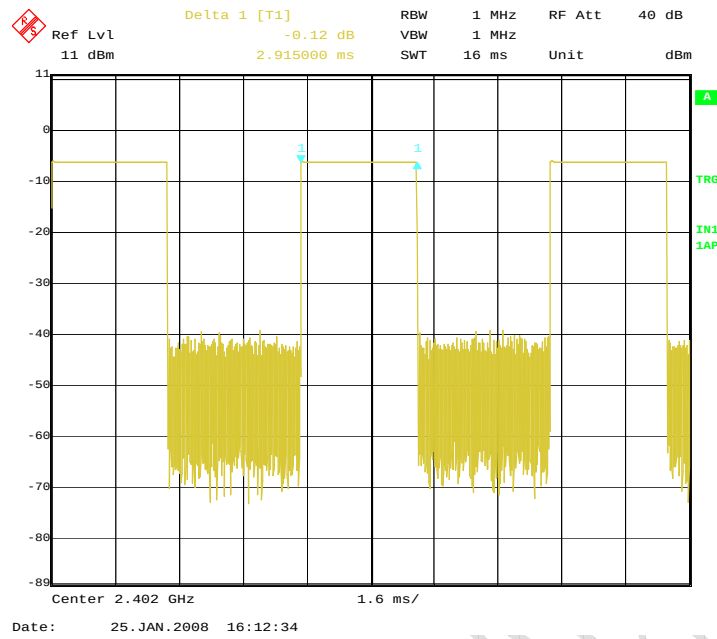
$$\text{Total Dwell Time} = \text{pulsetime} \times \left( \frac{1600}{6} \right) / 79 \times 31.6$$

| Channel | Pulse Time (ms) | Total of Dwell (ms) | Period Time (s) | Limit (ms) | Result |
|---------|-----------------|---------------------|-----------------|------------|--------|
| 0       | 2.915           | 310.93              | 31.6            | 400        | Pass   |
| 39      | 2.915           | 310.93              | 31.6            |            | Pass   |
| 78      | 2.915           | 310.93              | 31.6            |            | Pass   |

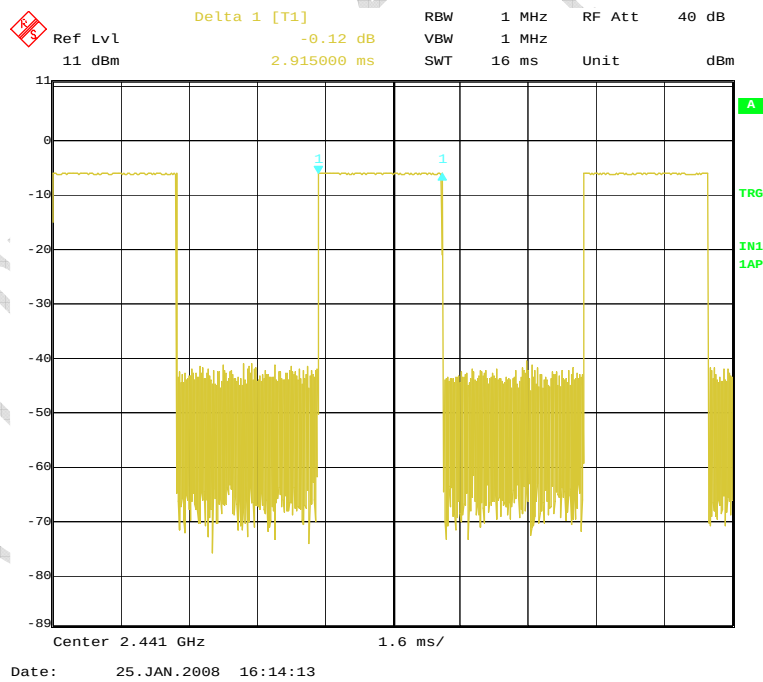
FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT

Test data:  
Channel 0



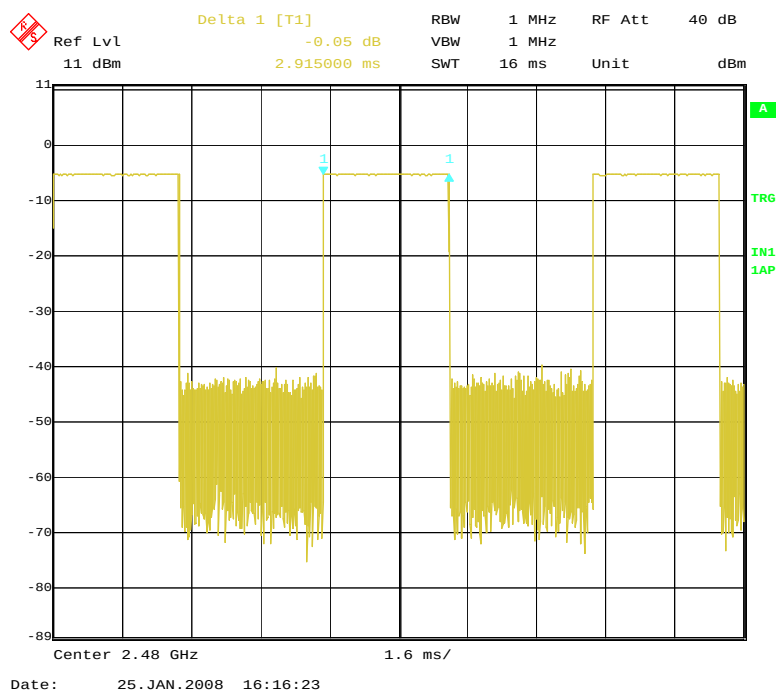
Channel 39



FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

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Channel 78



**4.7 Spurious Measurement (Conducted)**

|                      |                                                                                     |              |              |               |            |        |
|----------------------|-------------------------------------------------------------------------------------|--------------|--------------|---------------|------------|--------|
| Specifications:      | 15.209(a) and 15.205(a)                                                             |              |              |               |            |        |
| Date of Test         | 2008.1.25                                                                           |              |              |               |            |        |
| Test conditions:     | Ambient Temperature:15℃-35℃<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |              |              |               |            |        |
| Operation Mode       | Fix channel transmit                                                                |              |              |               |            |        |
| Test Results:        | Pass                                                                                |              |              |               |            |        |
| Test equipment Used: |                                                                                     |              |              |               |            |        |
| Asset Number         | Description                                                                         | Manufacturer | Model Number | Serial Number | Cal Due    | State  |
| 7805                 | EMI Test Receiver                                                                   | R/S          | ESI26        | 100211        | 2009-01-03 | Normal |
| 7330                 | Universal Radio Communications Tester                                               | R&S          | CMU200       | 100233        | 2009-02-22 | Normal |

**Test Setup**

The Universal Radio Communications Tester was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a coupling.

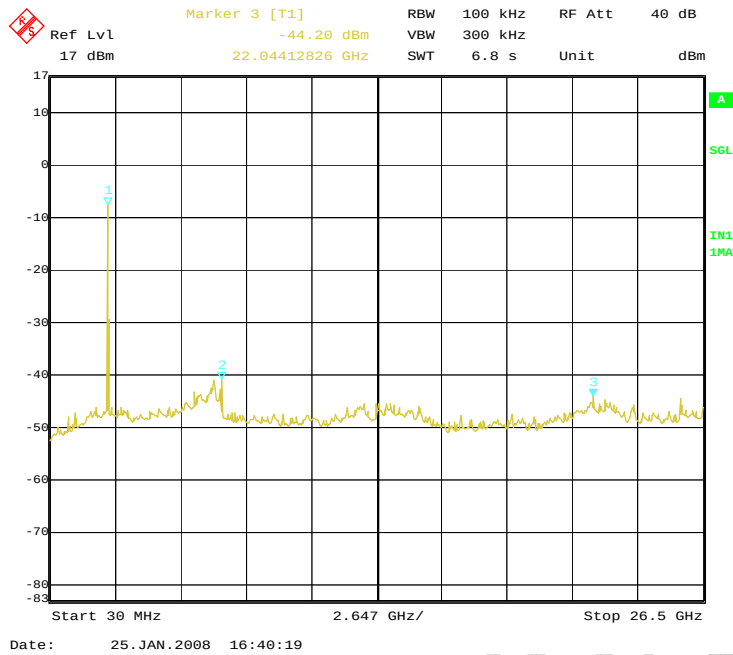
**Test Result:**

| Channel | Result |
|---------|--------|
| 0       | Pass   |
| 39      | Pass   |
| 78      | Pass   |

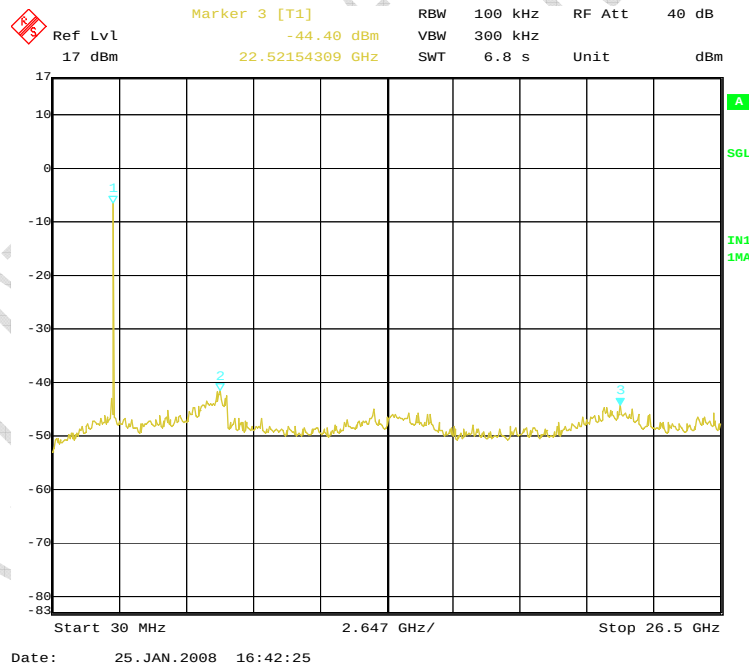
FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT

Test data:  
Channel 0



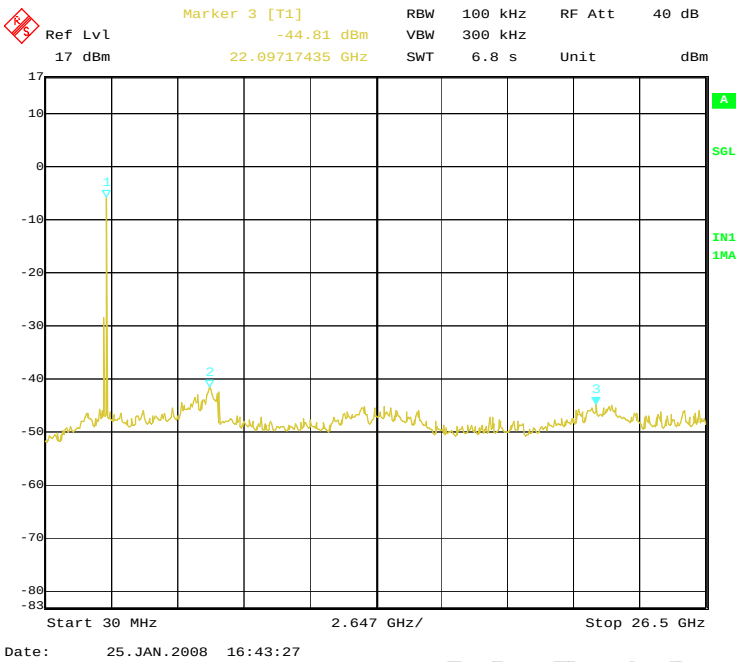
Channel 39



FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT

Channel 78





#### 4.8 Radiated Spurious Measurement

|                      |                                                                                     |              |                 |               |            |        |
|----------------------|-------------------------------------------------------------------------------------|--------------|-----------------|---------------|------------|--------|
| Specifications:      | 15.209(a) and 15.205(a)                                                             |              |                 |               |            |        |
| Date of Test         | 2008.2.26                                                                           |              |                 |               |            |        |
| Test conditions:     | Ambient Temperature:15℃-35℃<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |              |                 |               |            |        |
| Operation Mode       | hopping                                                                             |              |                 |               |            |        |
| Test Results:        | Fix channel transmit                                                                |              |                 |               |            |        |
| Test equipment Used: |                                                                                     |              |                 |               |            |        |
| Asset Number         | Description                                                                         | Manufacturer | Model Number    | Serial Number | Cal Due    | State  |
| 7805                 | EMI Test Receiver                                                                   | R/S          | ESI26           | 100211        | 2009-01-03 | Normal |
| 713                  | Fully-Anechoic Chamber                                                              | ETS          | 11.8m×6.5m×6.3m | --            | 2010-11-16 | Normal |
| 7330                 | Universal Radio Communications Tester                                               | R&S          | CMU200          | 100233        | 2009-02-22 | Normal |

#### Test Setup

The EUT was placed in an anechoic chamber. The CMU 200 was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a Bilog antenna (for frequency under 1GHz) or a horn antenna (for frequency above 1GHz).

#### Limit:

| Frequency (MHz) | Field Strength (uV/m) | Measurement Distance (m) |
|-----------------|-----------------------|--------------------------|
| 0.009-0.490     | 2400/F(kHz)           | 300                      |
| 0.490-1.705     | 24000/F(kHz)          | 30                       |
| 1.705-30        | 30                    | 30                       |
| 30-88           | 100                   | 3                        |
| 88-216          | 150                   | 3                        |
| 216-960         | 200                   | 3                        |
| Above 960       | 500                   | 3                        |

FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT

Test result:  
9kHz-30MHz

There is No frequency exceeds and near limit line in 20dB scope blow.

30MHz-1GHz:

| frequency | level | limit | Antenna height | Turntable azimuth | Antenna polarization |
|-----------|-------|-------|----------------|-------------------|----------------------|
| --        | --    | --    | --             | --                | --                   |

Note: There is No frequency exceeds and near limit line in 20dB scope blow.

Above 1GHz:  
Channel 0:

| Frequency[GHz] | Level[dBuV/m] | Limit[dBuV/m] | Antenna Polarization[V/H] | Detector |
|----------------|---------------|---------------|---------------------------|----------|
| 1.728500000    | 52.08         | 74            | V                         | Peak     |
| 1.723000000    | 34.23         | 54            | V                         | Average  |
| 11.413326653   | 50.97         | 74            | V                         | Peak     |
| 11.4018030607  | 38.94         | 54            | V                         | Average  |

Channel 39:

| Frequency[GHz] | Level[dBuV/m] | Limit[dBuV/m] | Antenna Polarization[V/H] | Detector |
|----------------|---------------|---------------|---------------------------|----------|
| 11.4018030607  | 52.47         | 74            | V                         | Peak     |
| 11.4018030607  | 38.94         | 54            | V                         | Average  |

Channel 78:

| Frequency[GHz] | Level[dBuV/m] | Limit[dBuV/m] | Antenna Polarization[V/H] | Detector |
|----------------|---------------|---------------|---------------------------|----------|
| 11.413326653   | 51.46         | 74            | V                         | Peak     |
| 11.4018030607  | 38.94         | 54            | V                         | Average  |

Note:

1. Test from 1GHz up to 10<sup>th</sup> harmonic of operating frequency.
2. 2.4~2.4835GHz band is the operating frequency.

#### 4.9 Power line Conducted Emissions

|                      |                                                                                     |              |              |               |            |        |
|----------------------|-------------------------------------------------------------------------------------|--------------|--------------|---------------|------------|--------|
| Specifications:      | CISPR 22 voltage mains test                                                         |              |              |               |            |        |
| Date of Test         | 2008.1.25                                                                           |              |              |               |            |        |
| Test conditions:     | Ambient Temperature:15℃-35℃<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |              |              |               |            |        |
| Operation Mode       | Hopping                                                                             |              |              |               |            |        |
| Test Results:        | Pass                                                                                |              |              |               |            |        |
| Test equipment Used: |                                                                                     |              |              |               |            |        |
| Asset Number         | Description                                                                         | Manufacturer | Model Number | Serial Number | Cal Due    | State  |
| 7805                 | EMI Test Receiver                                                                   | R/S          | ESI26        | 100211        | 2009-01-03 | Normal |
| 7330                 | Artificial Mains Network                                                            | R/S          | ESH2-Z5      | 837480/002    | 2009-01-9  | Normal |
| 714                  | Shielding Room                                                                      | ETS          | --           | 19003         | 2010-11-16 | Normal |
| 7330                 | Universal Radio Communications Tester                                               | R&S          | CMU200       | 100233        | 2009-02-22 | Normal |

#### Test Setup

The EUT was placed in a shielding room. The Universal Radio Communications Tester was used to set the TX channel and power level. The ac adapter output is connected to Spectrum analyzer through an AMN (Artificial Mains Network).

#### Limits of the conducted disturbance at the AC mains ports:

| Frequency range                                                                                           | Limit(Quasi-peak) | Limit(Average)    |
|-----------------------------------------------------------------------------------------------------------|-------------------|-------------------|
| 0.15 MHz to 0.5 MHz                                                                                       | 66 dBμV – 56 dBμV | 56 dBμV – 46 dBμV |
| >0.5 MHz to 5MHz                                                                                          | 56 dBμV           | 46 dBμV           |
| >5 MHz to 30 MHz                                                                                          | 60 dBμV           | 50 dBμV           |
| NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz. |                   |                   |

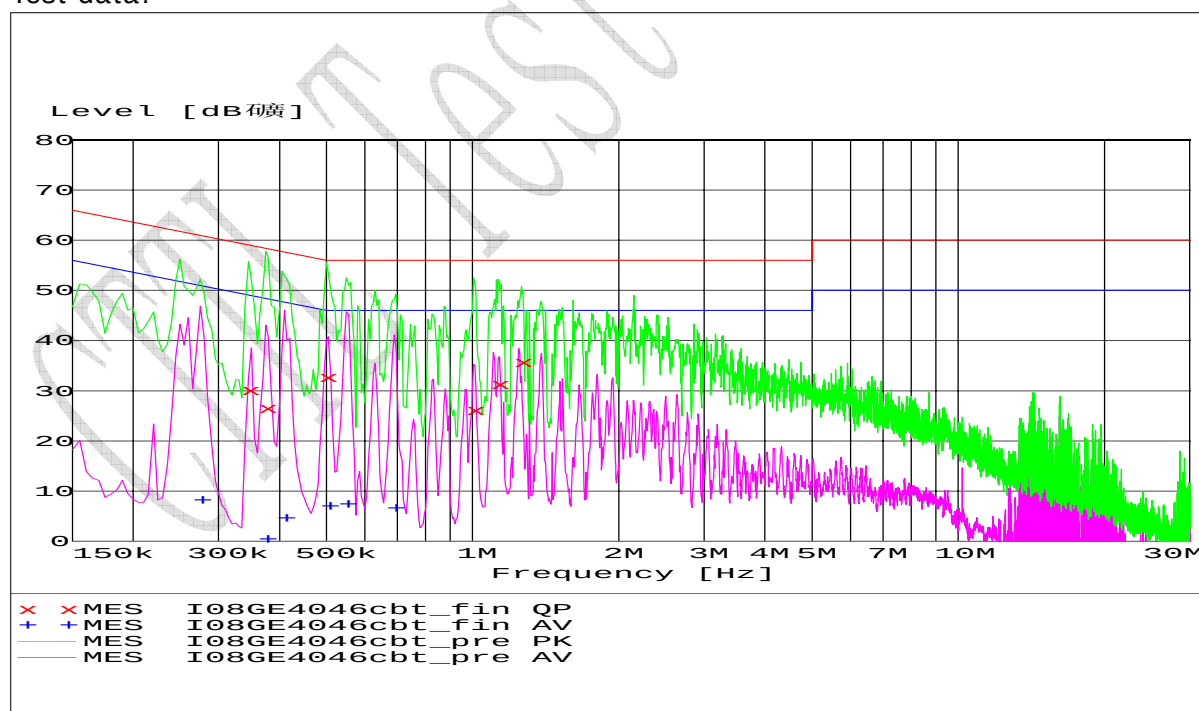
FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT

## Test Result:

| Pass                                     |                    |                 |                 |      |     |
|------------------------------------------|--------------------|-----------------|-----------------|------|-----|
| Detector<br>(QP/AV)                      | Frequency<br>(MHz) | Level<br>(dBμV) | Limit<br>(dBμV) | Line | PE  |
| QP                                       | 0.345000           | 30.2            | 59              | N    | FLO |
| QP                                       | 0.375000           | 26.5            | 58              | N    | FLO |
| QP                                       | 0.500000           | 32.6            | 56              | N    | FLO |
| QP                                       | 1.005000           | 26.1            | 56              | N    | FLO |
| QP                                       | 1.130000           | 31.3            | 56              | N    | FLO |
| QP                                       | 1.260000           | 35.6            | 56              | N    | FLO |
| AV                                       | 0.275000           | 8.1             | 51              | L    | FLO |
| AV                                       | 0.375000           | 0.4             | 48              | N    | FLO |
| AV                                       | 0.410000           | 4.6             | 48              | L1   | FLO |
| AV                                       | 0.505000           | 6.9             | 46              | N    | FLO |
| AV                                       | 0.550000           | 7.3             | 46              | L1   | FLO |
| AV                                       | 0.690000           | 6.5             | 46              | L1   | FLO |
| Remarks: No frequency exceeds the limit. |                    |                 |                 |      |     |

## Test data:



## Annex A EUT Photos



Front view with flip close



Front view with flip open



FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT



back view



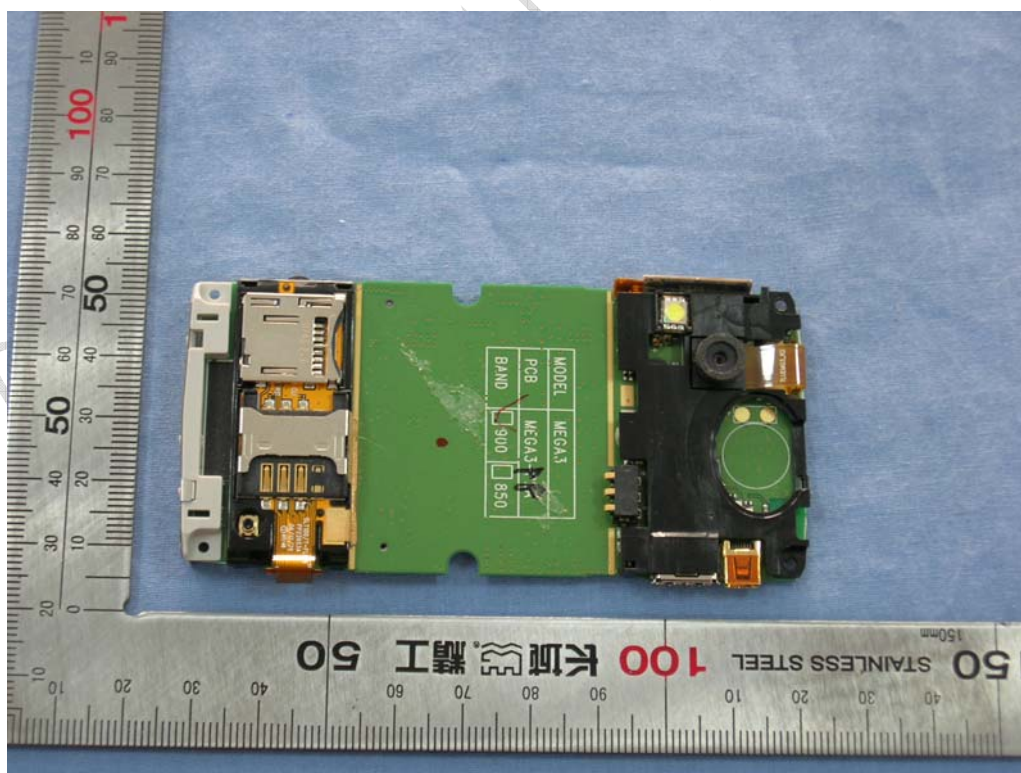
Back view without battery

FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

REPORT NO.: B08GE4046-FCC-BT



Adaptor and cable

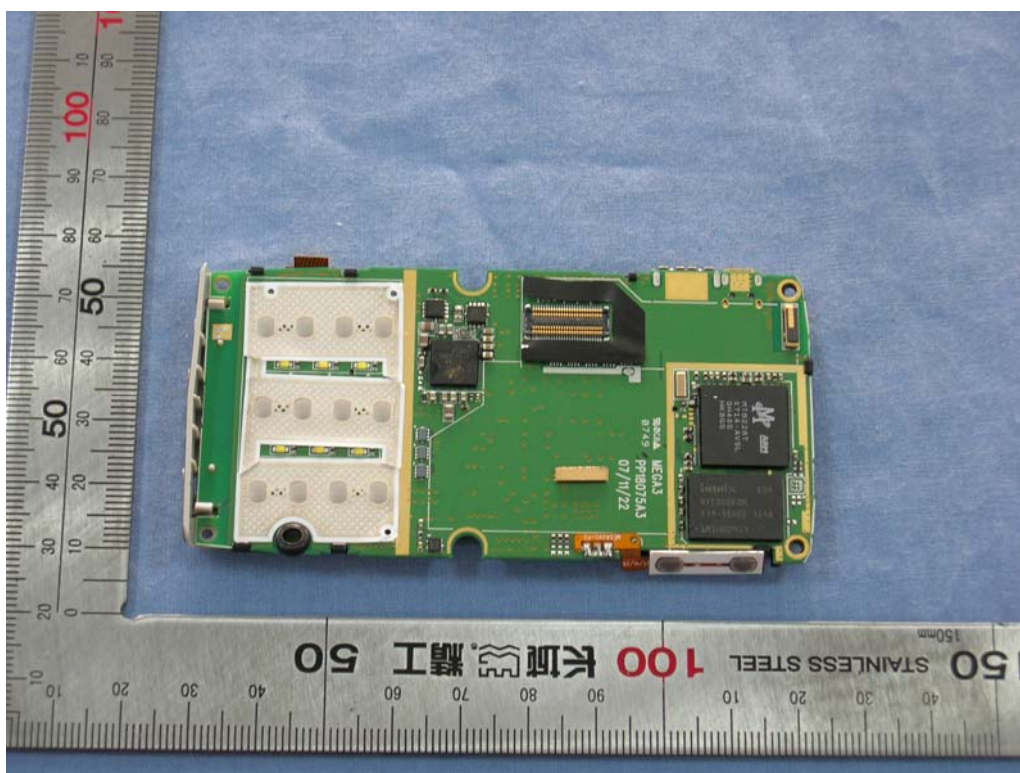


Front view of the internal structure



FCC Parts 15 subpart C 15.247  
Equipment: MEGA3

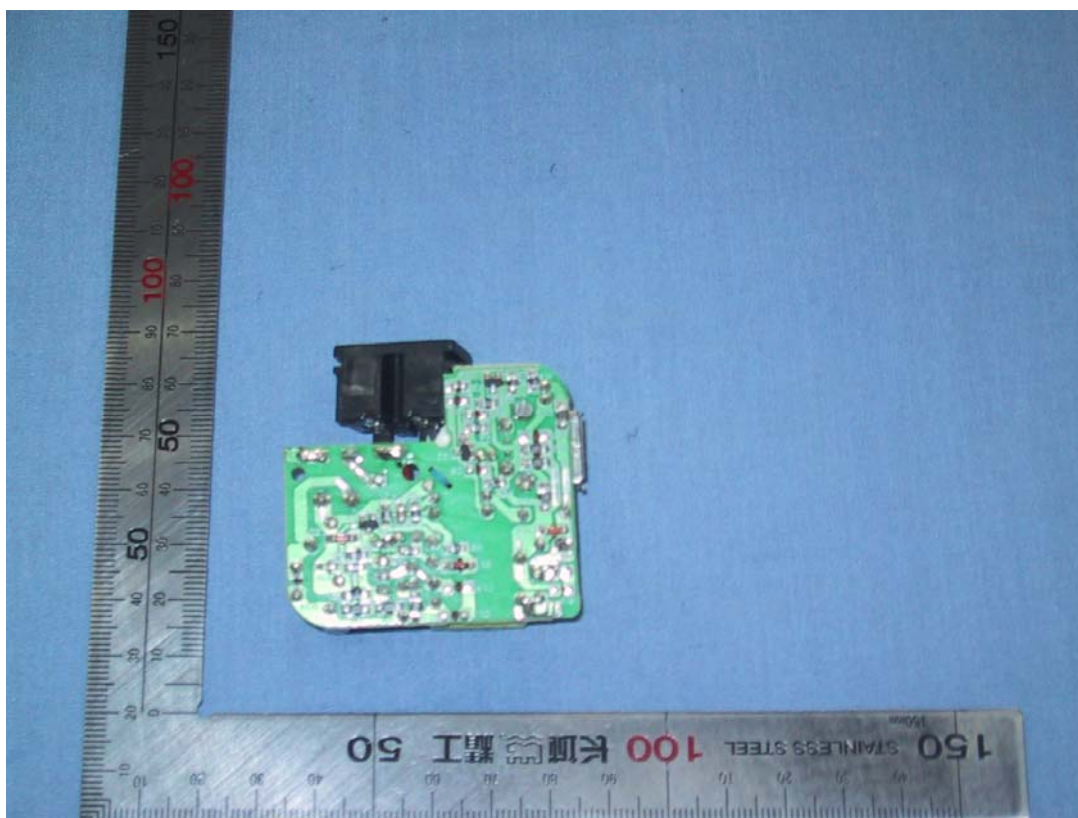
REPORT NO.: B08GE4046-FCC-BT



Back view of the internal structure



Face view of internal structure of adaptor



back view of internal structure of adaptor

## ANNEX B Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

\_\_\_\_\_ The End of this Report \_\_\_\_\_

Test Report