

# FCC Test Report

Product Name : Multimedia System  
Trade Name : Continental  
Model No. : NAC EUR wave 3  
FCC ID. : ZFW-NACEUR3

Applicant : Continental Automotive Rambouillet France SAS  
Address : 1, rue de Clairefontaine, Rambouillet, 78120, France

Date of Receipt : Sep. 21, 2017  
Issued Date : Oct. 20, 2017  
Report No. : 1790307R-RFUSP01V00-A  
Report Version : V1.0



The test results relate only to the samples tested.

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# Test Report Certification

Issued Date : Oct. 20, 2017

Report No. : 1790307R-RFUSP01V00-A



Product Name : Multimedia System  
Applicant : Continental Automotive Rambouillet France SAS  
Address : 1, rue de Clairefontaine, Rambouillet, 78120, France  
Manufacturer : Continental Automotive Czech Republic, s.r.o  
Model No. : NAC EUR wave 3  
FCC ID. : ZFW-NACEUR3  
EUT Voltage : DC 12V  
Testing Voltage : DC 12V  
Trade Name : Continental  
Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2015  
ANSI C63.10: 2013  
Laboratory Name : Hsin Chu Laboratory  
Address : No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu  
County 310, Taiwan, R.O.C.  
TEL: +886-3-582-8001 / FAX: +886-3-582-8958  
Test Result : Complied

Documented By :



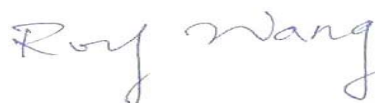
( Carol Tsai / Senior Engineering Adm. Specialist )

Tested By :



( Max Chang / Engineer )

Approved By :



( Roy Wang / Director )

**Revision History**

| Report No.            | Version | Description             | Issued Date   |
|-----------------------|---------|-------------------------|---------------|
| 1790307R-RFUSP01V00-A | V1.0    | Initial issue of report | Oct. 20, 2017 |
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## 1. General Information

### 1.1. EUT Description

|                                |                              |
|--------------------------------|------------------------------|
| Product Name                   | Multimedia System            |
| Trade Name                     | Continental                  |
| Model No.                      | NAC EUR wave 3               |
| Frequency Range/Channel Number | 2402~2480MHz / 79 Channels   |
| Type of Modulation             | GFSK, $\pi/4$ -DQPSK, 8-DPSK |

|                     |                    |
|---------------------|--------------------|
| Antenna Information |                    |
| Antenna Type        | Small Loop Antenna |
| Antenna Gain        | -0.99 dBi          |

| Working Frequency of Each Channel |           |            |           |            |           |            |           |
|-----------------------------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| Channel                           | Frequency | Channel    | Frequency | Channel    | Frequency | Channel    | Frequency |
| Channel 00                        | 2402 MHz  | Channel 20 | 2422 MHz  | Channel 40 | 2442 MHz  | Channel 60 | 2462 MHz  |
| Channel 01                        | 2403 MHz  | Channel 21 | 2423 MHz  | Channel 41 | 2443 MHz  | Channel 61 | 2463 MHz  |
| Channel 02                        | 2404 MHz  | Channel 22 | 2424 MHz  | Channel 42 | 2444 MHz  | Channel 62 | 2464 MHz  |
| Channel 03                        | 2405 MHz  | Channel 23 | 2425 MHz  | Channel 43 | 2445 MHz  | Channel 63 | 2465 MHz  |
| Channel 04                        | 2406 MHz  | Channel 24 | 2426 MHz  | Channel 44 | 2446 MHz  | Channel 64 | 2466 MHz  |
| Channel 05                        | 2407 MHz  | Channel 25 | 2427 MHz  | Channel 45 | 2447 MHz  | Channel 65 | 2467 MHz  |
| Channel 06                        | 2408 MHz  | Channel 26 | 2428 MHz  | Channel 46 | 2448 MHz  | Channel 66 | 2468 MHz  |
| Channel 07                        | 2409 MHz  | Channel 27 | 2429 MHz  | Channel 47 | 2449 MHz  | Channel 67 | 2469 MHz  |
| Channel 08                        | 2410 MHz  | Channel 28 | 2430 MHz  | Channel 48 | 2450 MHz  | Channel 68 | 2470 MHz  |
| Channel 09                        | 2411 MHz  | Channel 29 | 2431 MHz  | Channel 49 | 2451 MHz  | Channel 69 | 2471 MHz  |
| Channel 10                        | 2412 MHz  | Channel 30 | 2432 MHz  | Channel 50 | 2452 MHz  | Channel 70 | 2472 MHz  |
| Channel 11                        | 2413 MHz  | Channel 31 | 2433 MHz  | Channel 51 | 2453 MHz  | Channel 71 | 2473 MHz  |
| Channel 12                        | 2414 MHz  | Channel 32 | 2434 MHz  | Channel 52 | 2454 MHz  | Channel 72 | 2474 MHz  |
| Channel 13                        | 2415 MHz  | Channel 33 | 2435 MHz  | Channel 53 | 2455 MHz  | Channel 73 | 2475 MHz  |
| Channel 14                        | 2416 MHz  | Channel 34 | 2436 MHz  | Channel 54 | 2456 MHz  | Channel 74 | 2476 MHz  |
| Channel 15                        | 2417 MHz  | Channel 35 | 2437 MHz  | Channel 55 | 2457 MHz  | Channel 75 | 2477 MHz  |
| Channel 16                        | 2418 MHz  | Channel 36 | 2438 MHz  | Channel 56 | 2458 MHz  | Channel 76 | 2478 MHz  |
| Channel 17                        | 2419 MHz  | Channel 37 | 2439 MHz  | Channel 57 | 2459 MHz  | Channel 77 | 2479 MHz  |
| Channel 18                        | 2420 MHz  | Channel 38 | 2440 MHz  | Channel 58 | 2460 MHz  | Channel 78 | 2480 MHz  |
| Channel 19                        | 2421 MHz  | Channel 39 | 2441 MHz  | Channel 59 | 2461 MHz  |            |           |

## Note:

1. This device is a Multimedia System including 2.4GHz b/g/n and BT2.0 transmitting and receiving function.
2. Regards to the frequency band operation; the lowest 、middle and highest frequency of channel were selected to perform the test, and then shown on this report.

## 1.2. Test Mode

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

| Test Mode |                  |
|-----------|------------------|
| TX        | Mode 1: Transmit |

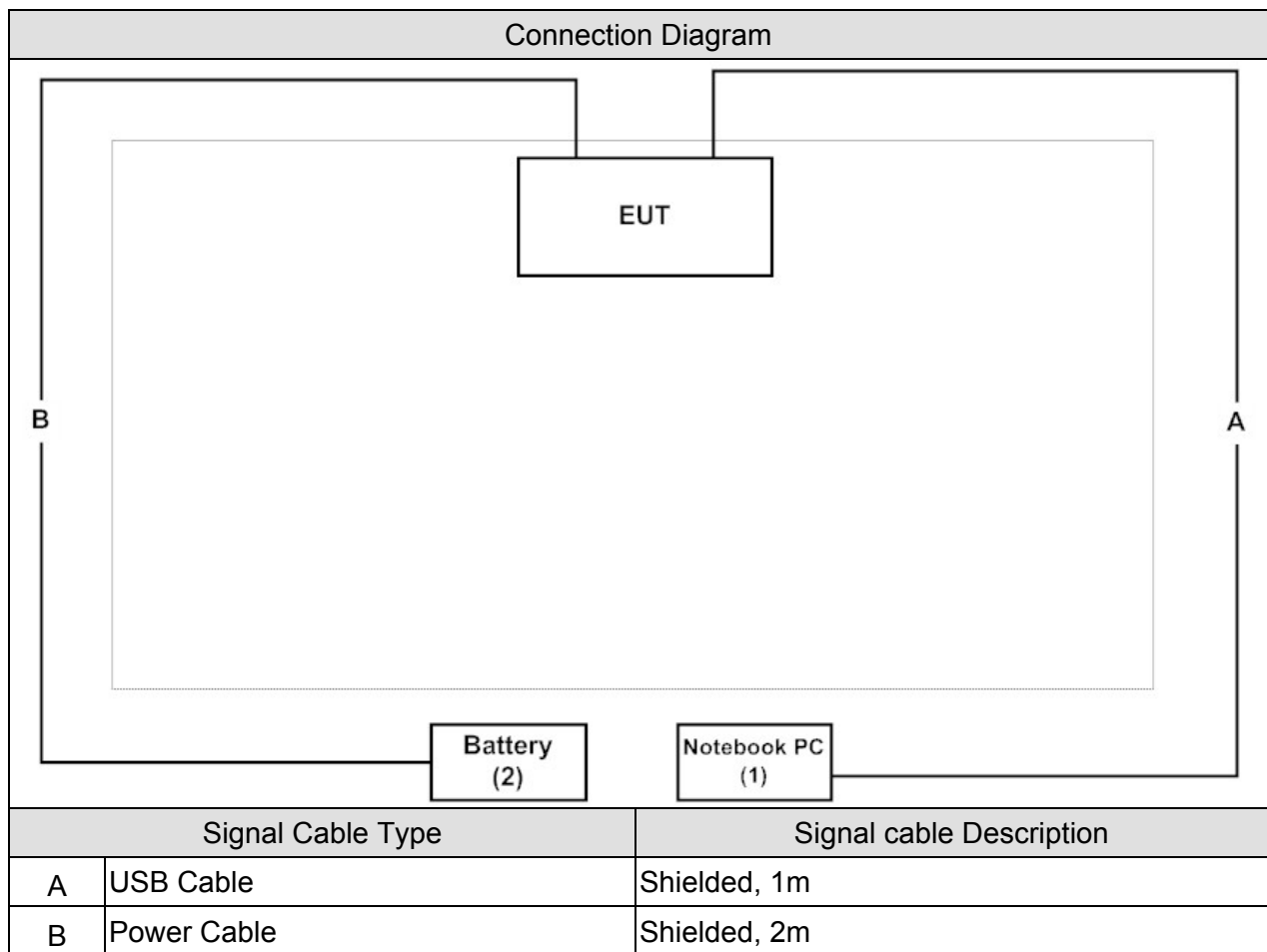
| Emission                     | Mode 1 |
|------------------------------|--------|
| Conducted Emission           | No     |
| Peak Power Output            | Yes    |
| Radiated Emission            | Yes    |
| RF antenna conducted test    | Yes    |
| Band Edge                    | Yes    |
| Number of hopping Frequency  | Yes    |
| Carrier Frequency Separation | Yes    |
| Occupied Bandwidth           | Yes    |
| Dwell Time                   | Yes    |

### 1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

| Product |             | Manufacturer | Model No.    | Serial No. | FCC ID | Power Cord                                  |
|---------|-------------|--------------|--------------|------------|--------|---------------------------------------------|
| 1       | Notebook PC | DELL         | Latitude 600 | N/A        | DoC    | Non-Shielded, 1.7m, one ferrite core bonded |
| 2       | Battery     | YUASA        | NP7-12       | N/A        | DoC    | --                                          |

#### 1.4. Configuration of tested System



#### 1.5. EUT Exercise Software

|   |                                                               |
|---|---------------------------------------------------------------|
| 1 | Setup the EUT as shown in Section 1.4.                        |
| 2 | Execute the test program "CSR".                               |
| 3 | Configure the test mode, the test channel, and the data rate. |
| 4 | Press "Start TX" to start the continuous transmitting.        |
| 5 | Verify that the EUT works properly.                           |

## 1.6. Test Facility

Ambient conditions in the laboratory:

| Items                      | Test Item                                                      | Required<br>(IEC 68-1) | Actual   | Test Site |
|----------------------------|----------------------------------------------------------------|------------------------|----------|-----------|
| Temperature (°C)           | FCC PART 15 C 15.207<br>Conducted Emission (FHSS)              | 15 - 35                | 23       | --        |
| Humidity (%RH)             |                                                                | 25 - 75                | 50       |           |
| Barometric pressure (mbar) |                                                                | 860 - 1060             | 950-1000 |           |
| Temperature (°C)           | FCC PART 15 C 15.247<br>Peak Power Output (FHSS)               | 15 - 35                | 24       | 3         |
| Humidity (%RH)             |                                                                | 25 - 75                | 45       |           |
| Barometric pressure (mbar) |                                                                | 860 - 1060             | 950-1000 |           |
| Temperature (°C)           | FCC PART 15 C 15.247<br>Radiated Emission (FHSS)               | 15 - 35                | 25       | 2         |
| Humidity (%RH)             |                                                                | 25 - 75                | 54       |           |
| Barometric pressure (mbar) |                                                                | 860 - 1060             | 950-1000 |           |
| Temperature (°C)           | FCC PART 15 C 15.247<br>Band Edge (FHSS)                       | 15 - 35                | 25       | 2         |
| Humidity (%RH)             |                                                                | 25 - 75                | 50       |           |
| Barometric pressure (mbar) |                                                                | 860 - 1060             | 950-1000 |           |
| Temperature (°C)           | FCC PART 15 C 15.247<br>Number of hopping Frequency<br>(FHSS)  | 15 - 35                | 24       | 3         |
| Humidity (%RH)             |                                                                | 25 - 75                | 45       |           |
| Barometric pressure (mbar) |                                                                | 860 - 1060             | 950-1000 |           |
| Temperature (°C)           | FCC PART 15 C 15.247<br>Carrier Frequency Separation<br>(FHSS) | 15 - 35                | 24       | 3         |
| Humidity (%RH)             |                                                                | 25 - 75                | 45       |           |
| Barometric pressure (mbar) |                                                                | 860 - 1060             | 950-1000 |           |
| Temperature (°C)           | FCC PART 15 C 15.247<br>Occupied Bandwidth (FHSS)              | 15 - 35                | 24       | 3         |
| Humidity (%RH)             |                                                                | 25 - 75                | 45       |           |
| Barometric pressure (mbar) |                                                                | 860 - 1060             | 950-1000 |           |
| Temperature (°C)           | FCC PART 15 C 15.247<br>RF antenna conducted test<br>(FHSS)    | 15 - 35                | 24       | 3         |
| Humidity (%RH)             |                                                                | 25 - 75                | 45       |           |
| Barometric pressure (mbar) |                                                                | 860 - 1060             | 950-1000 |           |
| Temperature (°C)           | FCC PART 15 C 15.247<br>Dwell Time (FHSS)                      | 15 - 35                | 24       | 3         |
| Humidity (%RH)             |                                                                | 25 - 75                | 45       |           |
| Barometric pressure (mbar) |                                                                | 860 - 1060             | 950-1000 |           |

Note: Test site information refers to Laboratory Information.

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site :

<http://www.dekra.com.tw/english/about/certificates.aspx?bval=5>

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site : [http://www.dekra.com.tw/index\\_en.aspx](http://www.dekra.com.tw/index_en.aspx)

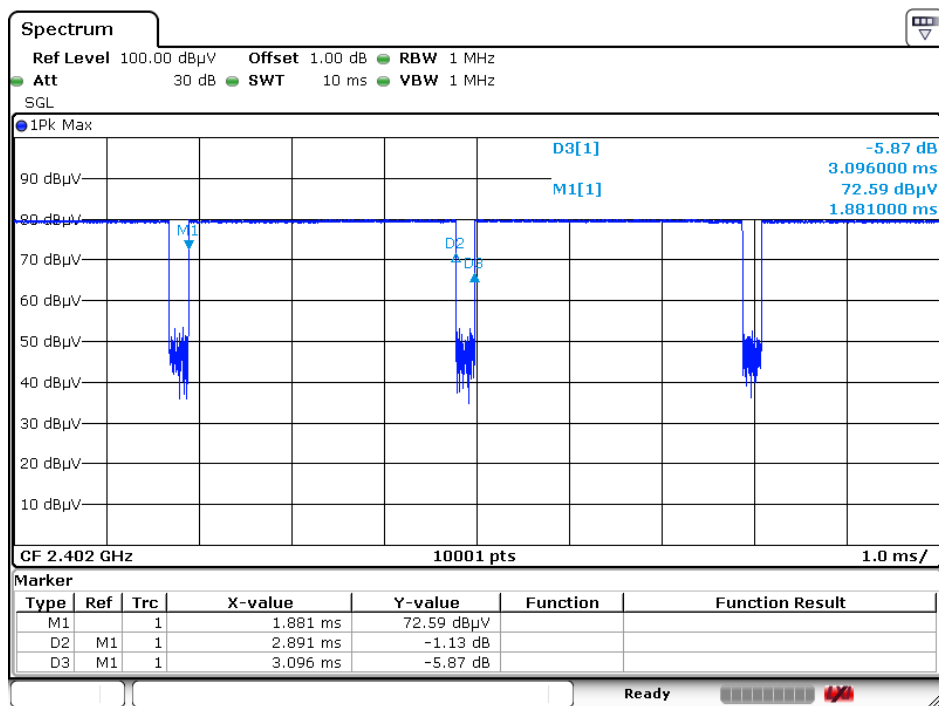
If you have any comments, Please don't hesitate to contact us. Our test sites as below:

- 1 No. 75-2, 3rd Lin, WangYe Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan (R.O.C.)  
TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : [info.tw@dekra.com](mailto:info.tw@dekra.com)
- 2 No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C.  
TEL: +886-3-582-8001 / FAX: +886-3-582-8958 E-Mail : [info.tw@dekra.com](mailto:info.tw@dekra.com)
- 3 No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 310, Taiwan, R.O.C.  
TEL: +886-3-582-8001 / FAX: +886-3-582-8958 E-Mail : [info.tw@dekra.com](mailto:info.tw@dekra.com)

## 1.7. Duty Cycle

Duty Cycle =  $2.895\text{ msec} / 3.75\text{ msec} = 0.772$

Duty Cycle correction factor =  $20 \text{ LOG } 0.772 = -2.248 \text{ dB}$



Date: 24.SEP.2017 15:05:53

## 2. Conducted Emission

### 2.1. Test Equipment

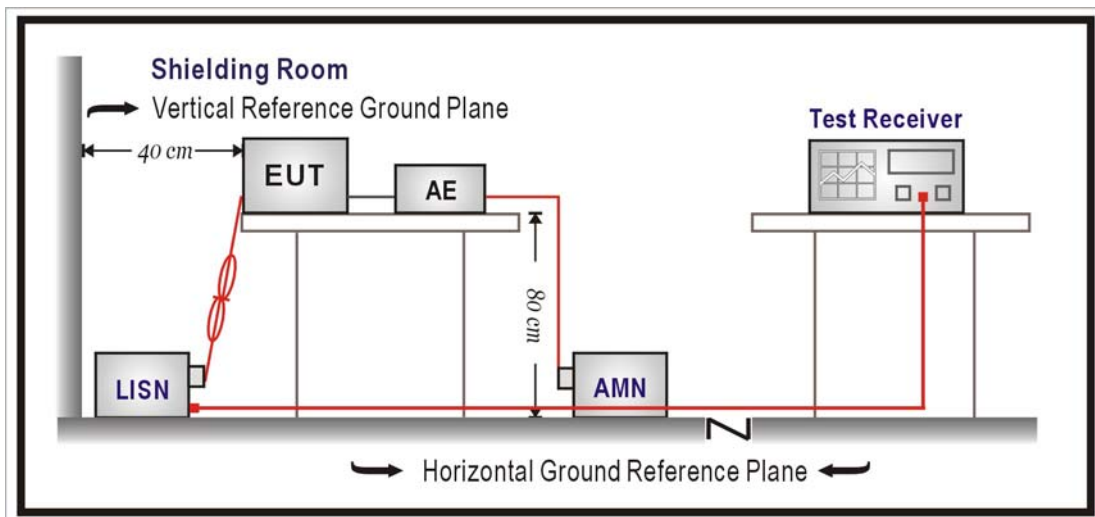
The following test equipment's are used during the test:

Conducted Emission / SR2-H

| Instrument               | Manufacturer | Model No. | Serial No  | Next Cal. Date |
|--------------------------|--------------|-----------|------------|----------------|
| Artificial Mains Network | R&S          | ENV4200   | 848411/010 | 2017/02/06     |
| Test Receiver            | R&S          | ESCS 30   | 836858/022 | 2017/04/12     |
| LISN                     | R&S          | ENV216    | 100092     | 2017/07/31     |

Note: All equipment that need to calibrate are with calibration period of 1 year.

### 2.2. Test Setup



### 2.3. Limits

| FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV) |       |       |
|------------------------------------------------------|-------|-------|
| Frequency<br>MHz                                     | QP    | AV    |
| 0.15 - 0.50                                          | 66-56 | 56-46 |
| 0.50 - 5.0                                           | 56    | 46    |
| 5.0 - 30                                             | 60    | 50    |

Remarks: In the above table, the tighter limit applies at the band edges.

---

## **2.4. Test Procedure**

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination.

(Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2009 on conducted measurement.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

## **2.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.207: 2015

## **2.6. Uncertainty**

The measurement uncertainty is defined as  $\pm 2.26$  dB.

## **2.7. Test Result**

EUT using DC input voltage, so the project does not have to test.

### 3. Peak Power Output

#### 3.1. Test Equipment

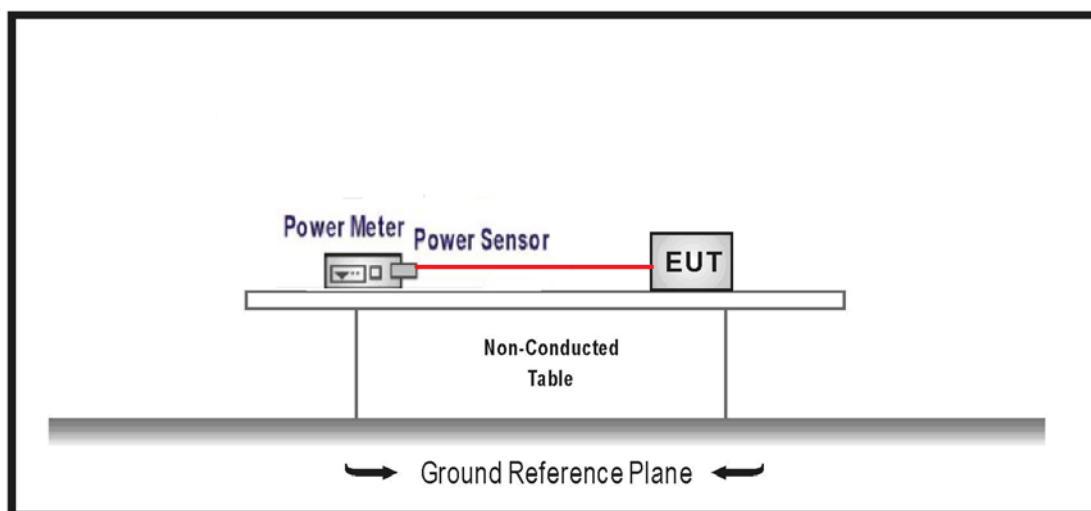
The following test equipment is used during the test:

Peak Power Output / SR10-H

| Instrument                                | Manufacturer | Model No. | Serial No  | Next Cal. Date |
|-------------------------------------------|--------------|-----------|------------|----------------|
| Signal & Spectrum Analyzer                | R&S          | FSV40     | 101049     | 2017/01/23     |
| EXA Signal Analyzer                       | Keysight     | N9010A    | MY51440132 | 2017/03/13     |
| High Speed Peak Power<br>Meter Dual Input | Anritsu      | ML2496A   | 1602004    | 2017/01/20     |
| Pulse Power Sensor                        | Anritsu      | MA2411B   | 1531043    | 2017/01/20     |
| Pulse Power Sensor                        | Anritsu      | MA2411B   | 1531044    | 2017/01/20     |

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

#### 3.2. Test Setup



#### 3.3. Test procedures

The EUT was setup according to ANSI C63.10:2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

### **3.4. Limits**

For frequency hopping systems operating in the 902-928 MHz band: 1 Watt for systems employing at least 50 hopping channels; and, 0.25 Watts for systems employing less than 50 hopping channels.

For frequency hopping systems in the 2400-2483.5 MHz band employing at least 75 hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1Watt.

For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 Watt.

### **3.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2015.

### 3.6. Test Result

|              |                   |           |        |  |
|--------------|-------------------|-----------|--------|--|
| Product      | Multimedia System |           |        |  |
| Test Item    | Peak Power Output |           |        |  |
| Test Mode    | Mode 1: Transmit  |           |        |  |
| Date of Test | 2017/09/27        | Test Site | SR10-H |  |

#### GFSK

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 00          | 2402            | 4.390               | 30          | Pass   |
| 39          | 2441            | 4.730               | 30          | Pass   |
| 78          | 2480            | 5.090               | 30          | Pass   |

#### $\pi/4$ -DQPSK

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 00          | 2402            | 4.400               | 30          | Pass   |
| 39          | 2441            | 4.740               | 30          | Pass   |
| 78          | 2480            | 5.110               | 30          | Pass   |

#### 8-DPSK

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 00          | 2402            | 4.410               | 30          | Pass   |
| 39          | 2441            | 4.720               | 30          | Pass   |
| 78          | 2480            | 5.100               | 30          | Pass   |

#### 4. Radiated Emission

##### 4.1. Test Equipment

The following test equipment are used during the test:

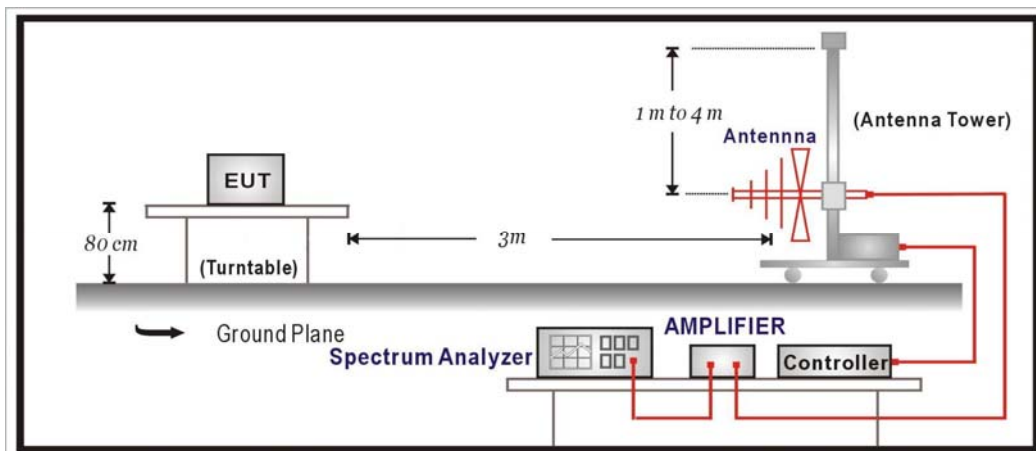
Radiated Emission / CB4-H

| Instrument                 | Manufacturer | Model No.  | Serial No  | Next Cal. Date |
|----------------------------|--------------|------------|------------|----------------|
| Signal Analyzer            | R&S          | FSVA40     | 101455     | 2016/11/28     |
| Signal & Spectrum Analyzer | R&S          | FSV40      | 101049     | 2017/01/23     |
| EXA Signal Analyzer        | Keysight     | N9010A     | MY51440132 | 2017/03/13     |
| Bilog Antenna              | Teseq        | CBL6112D   | 23191      | 2017/06/28     |
| Horn Antenna               | Schwarzbeck  | BBHA 9120D | 639        | 2017/06/14     |
| Horn Antenna               | Schwarzbeck  | BBHA 9170  | 202        | 2017/02/15     |
| Pre-Amplifier              | RF Bay Inc.  | LNA-1330   | 12162511   | 2017/03/09     |
| Pre-Amplifier              | EMCI         | EMCI 1830I | 980366     | 2017/01/23     |
| Pre-Amplifier              | MITEQ        | JS44-45-8P | 2014754    | 2016/12/26     |

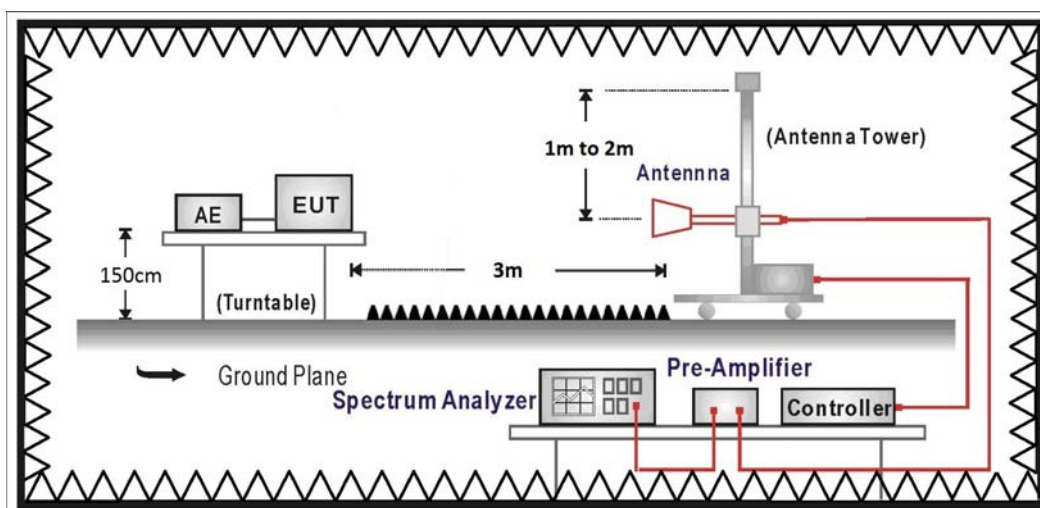
Note: All equipment's that need to calibrate are with calibration period of 1 year.

## 4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



### 4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

| FCC Part 15 Subpart C Paragraph 15.209 Limits |      |        |
|-----------------------------------------------|------|--------|
| Frequency<br>MHz                              | uV/m | dBuV/m |
| 30-88                                         | 100  | 40     |
| 88-216                                        | 150  | 43.5   |
| 216-960                                       | 200  | 46     |
| Above 960                                     | 500  | 54     |

Remarks : 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

### 4.4. Test Procedure

The EUT was setup according to ANSI C63.10:2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.

On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

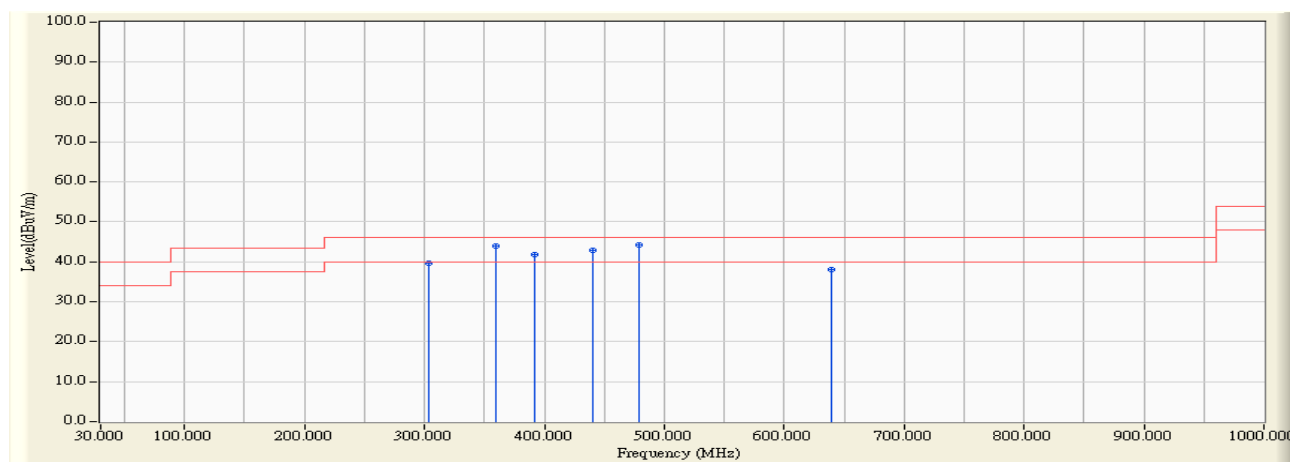
### 4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

## 4.6. Test Result

### 30MHz-1GHz Spurious

|                                                       |                    |
|-------------------------------------------------------|--------------------|
| Site : CB4-H                                          | Time : 2017/10/06  |
| Limit : FCC_CLASS_B_03M_QP                            | Margin : 6         |
| Probe : CB4-H_FCCCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                               | Note : DH5_2441MHz |

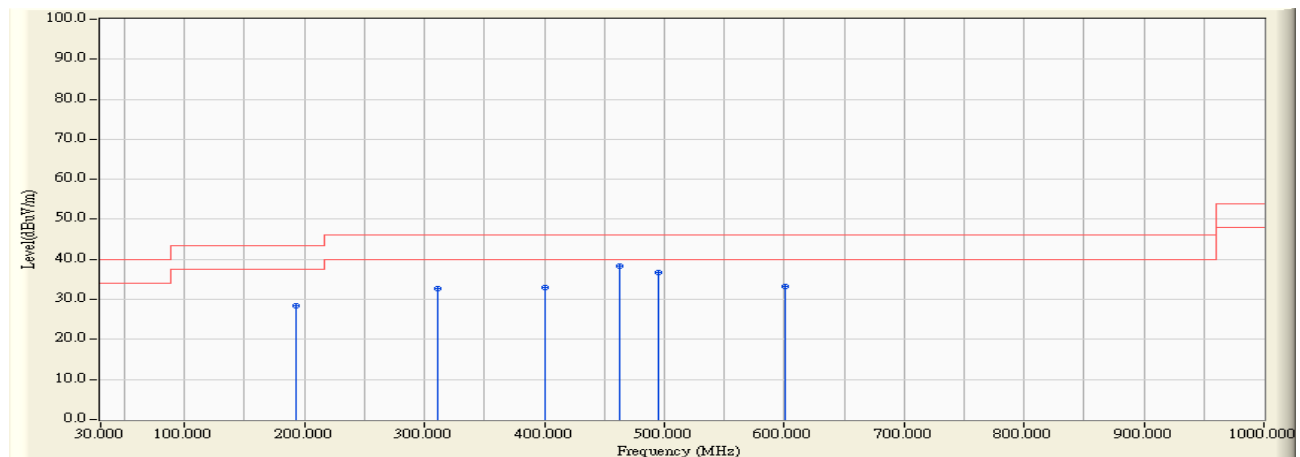


|   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | 303.217            | -19.645                | 59.206                  | 39.561                    | -6.439         | 46.000            | QUASIPeAK     |
| 2 | 359.800            | -17.555                | 61.522                  | 43.968                    | -2.032         | 46.000            | QUASIPeAK     |
| 3 | 392.133            | -16.489                | 58.287                  | 41.798                    | -4.202         | 46.000            | QUASIPeAK     |
| 4 | 440.633            | -15.660                | 58.494                  | 42.834                    | -3.166         | 46.000            | QUASIPeAK     |
| 5 | * 479.433          | -14.697                | 58.858                  | 44.161                    | -1.839         | 46.000            | QUASIPeAK     |
| 6 | 639.483            | -12.731                | 50.745                  | 38.013                    | -7.987         | 46.000            | QUASIPeAK     |

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ \* ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

|                                                        |                    |
|--------------------------------------------------------|--------------------|
| Site : CB4-H                                           | Time : 2017/10/06  |
| Limit : FCC_CLASS_B_03M_QP                             | Margin : 6         |
| Probe : CB4-H_FCCCC_EFS_S2_30M-1GHz_1116 -<br>VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                                | Note : DH5_2441MHz |

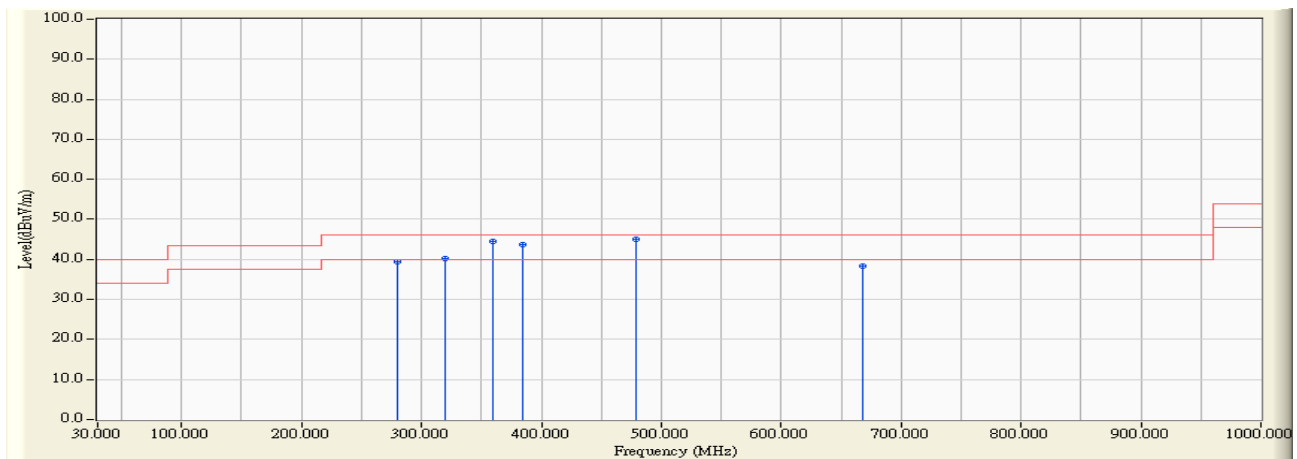


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 193.283            | -23.607                | 52.037                  | 28.431                    | -15.069        | 43.500            | QUASIPeAK     |
| 2 |   | 311.300            | -19.173                | 51.981                  | 32.809                    | -13.191        | 46.000            | QUASIPeAK     |
| 3 |   | 400.217            | -16.224                | 49.151                  | 32.927                    | -13.073        | 46.000            | QUASIPeAK     |
| 4 | * | 463.267            | -15.200                | 53.466                  | 38.266                    | -7.734         | 46.000            | QUASIPeAK     |
| 5 |   | 495.600            | -14.474                | 51.222                  | 36.749                    | -9.251         | 46.000            | QUASIPeAK     |
| 6 |   | 600.683            | -13.146                | 46.340                  | 33.194                    | -12.806        | 46.000            | QUASIPeAK     |

Note:

1. All Reading Levels are Quasi-Peak value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

|                                                          |                     |
|----------------------------------------------------------|---------------------|
| Site : CB4-H                                             | Time : 2017/10/06   |
| Limit : FCC_CLASS_B_03M_QP                               | Margin : 6          |
| Probe : CB4-H_FCCCC_EFS_S2_30M-1GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                  | Note : 2DH5_2441MHz |

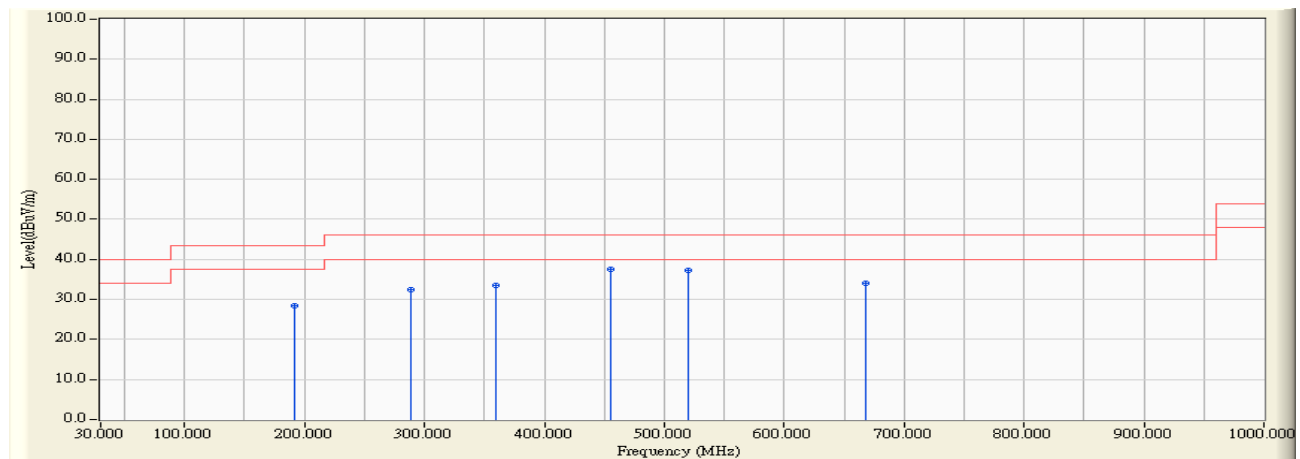


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 280.583            | -19.874                | 59.290                  | 39.417                    | -6.583         | 46.000            | QUASIPeAK     |
| 2 |   | 319.383            | -18.683                | 59.006                  | 40.323                    | -5.677         | 46.000            | QUASIPeAK     |
| 3 |   | 359.800            | -17.555                | 62.096                  | 44.542                    | -1.458         | 46.000            | QUASIPeAK     |
| 4 |   | 384.050            | -16.792                | 60.418                  | 43.626                    | -2.374         | 46.000            | QUASIPeAK     |
| 5 | * | 479.433            | -14.697                | 59.812                  | 45.115                    | -0.885         | 46.000            | QUASIPeAK     |
| 6 |   | 668.583            | -12.418                | 50.707                  | 38.288                    | -7.712         | 46.000            | QUASIPeAK     |

## Note:

1. All Reading Levels are Quasi-Peak value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/10/06   |
| Limit : FCC_CLASS_B_03M_QP                             | Margin : 6          |
| Probe : CB4-H_FCCCC_EFS_S2_30M-1GHz_1116 -<br>VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 2DH5_2441MHz |

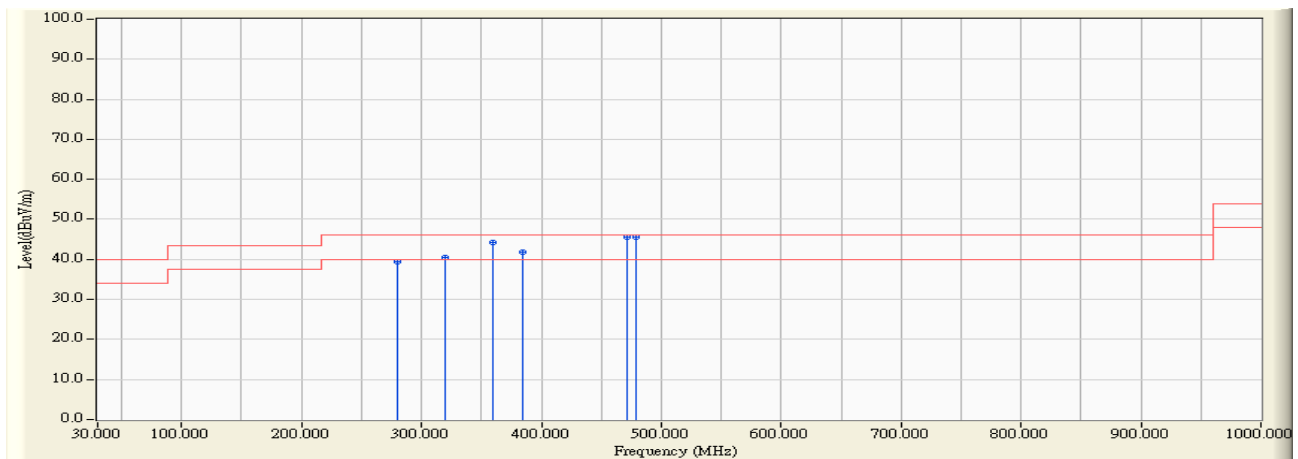


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 191.667            | -23.662                | 52.133                  | 28.472                    | -15.028        | 43.500            | QUASIPeAK     |
| 2 |   | 288.667            | -19.731                | 52.287                  | 32.556                    | -13.444        | 46.000            | QUASIPeAK     |
| 3 |   | 359.800            | -17.555                | 51.052                  | 33.498                    | -12.502        | 46.000            | QUASIPeAK     |
| 4 | * | 455.183            | -15.229                | 52.630                  | 37.401                    | -8.599         | 46.000            | QUASIPeAK     |
| 5 |   | 519.850            | -14.245                | 51.441                  | 37.196                    | -8.804         | 46.000            | QUASIPeAK     |
| 6 |   | 668.583            | -12.418                | 46.460                  | 34.041                    | -11.959        | 46.000            | QUASIPeAK     |

Note:

1. All Reading Levels are Quasi-Peak value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

|                                                          |                     |
|----------------------------------------------------------|---------------------|
| Site : CB4-H                                             | Time : 2017/10/06   |
| Limit : FCC_CLASS_B_03M_QP                               | Margin : 6          |
| Probe : CB4-H_FCCCC_EFS_S2_30M-1GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                  | Note : 3DH5_2441MHz |

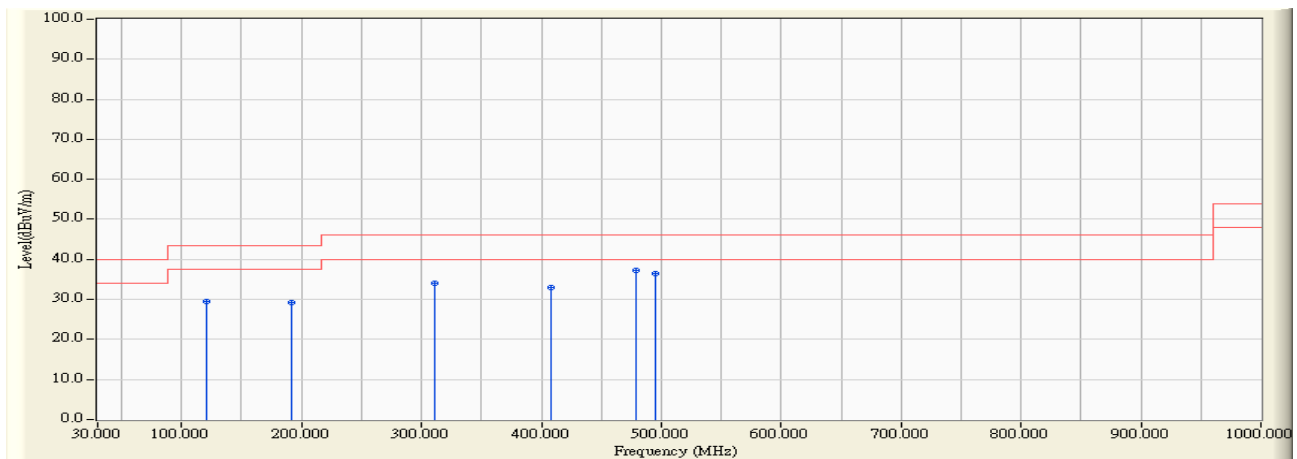


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 280.583            | -19.874                | 59.275                  | 39.402                    | -6.598         | 46.000            | QUASIPeAK     |
| 2 |   | 319.383            | -18.683                | 59.076                  | 40.393                    | -5.607         | 46.000            | QUASIPeAK     |
| 3 |   | 359.800            | -17.555                | 61.913                  | 44.359                    | -1.641         | 46.000            | QUASIPeAK     |
| 4 |   | 384.050            | -16.792                | 58.661                  | 41.869                    | -4.131         | 46.000            | QUASIPeAK     |
| 5 | * | 471.350            | -14.978                | 60.548                  | 45.570                    | -0.430         | 46.000            | QUASIPeAK     |
| 6 |   | 479.433            | -14.697                | 60.246                  | 45.549                    | -0.451         | 46.000            | QUASIPeAK     |

## Note:

1. All Reading Levels are Quasi-Peak value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/10/06   |
| Limit : FCC_CLASS_B_03M_QP                             | Margin : 6          |
| Probe : CB4-H_FCCCC_EFS_S2_30M-1GHz_1116 -<br>VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 3DH5_2441MHz |



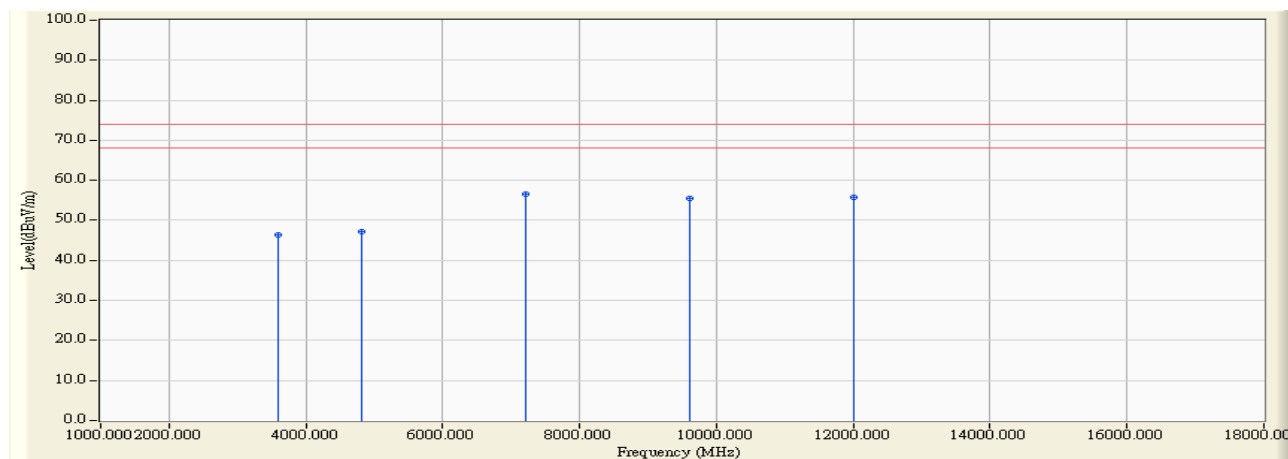
|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 120.533            | -21.084                | 50.443                  | 29.359                    | -14.141        | 43.500            | QUASIPeAK     |
| 2 |   | 191.667            | -23.662                | 52.757                  | 29.096                    | -14.404        | 43.500            | QUASIPeAK     |
| 3 |   | 311.300            | -19.173                | 53.293                  | 34.121                    | -11.879        | 46.000            | QUASIPeAK     |
| 4 |   | 408.300            | -16.335                | 49.322                  | 32.988                    | -13.012        | 46.000            | QUASIPeAK     |
| 5 | * | 479.433            | -14.697                | 52.048                  | 37.351                    | -8.649         | 46.000            | QUASIPeAK     |
| 6 |   | 495.600            | -14.474                | 50.879                  | 36.406                    | -9.594         | 46.000            | QUASIPeAK     |

## Note:

1. All Reading Levels are Quasi-Peak value.
2. " \* ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

**Harmonic & Spurious:**

|                                                           |                    |
|-----------------------------------------------------------|--------------------|
| Site : CB4-H                                              | Time : 2017/09/26  |
| Limit : FCC_SpartC_15.209_03M_PK                          | Margin : 6         |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                                   | Note : DH5_2402MHz |

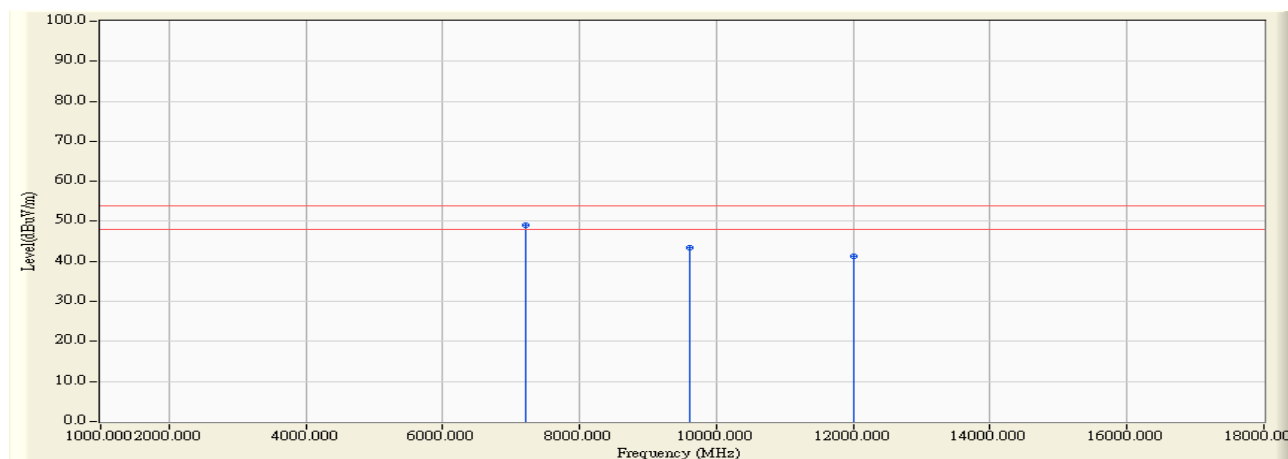


|   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | 3603.065           | 3.295                  | 43.100                  | 46.395                    | -27.605        | 74.000            | PEAK          |
| 2 | 4804.217           | 8.276                  | 38.810                  | 47.086                    | -26.914        | 74.000            | PEAK          |
| 3 | * 7205.650         | 17.857                 | 38.690                  | 56.547                    | -17.453        | 74.000            | PEAK          |
| 4 | 9607.285           | 22.459                 | 32.980                  | 55.438                    | -18.562        | 74.000            | PEAK          |
| 5 | 12009.412          | 25.360                 | 30.290                  | 55.650                    | -18.350        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                        |                    |
|--------------------------------------------------------|--------------------|
| Site : CB4-H                                           | Time : 2017/09/26  |
| Limit : FCC_SpartC_15.209_03M_AV                       | Margin : 6         |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                                | Note : DH5_2402MHz |

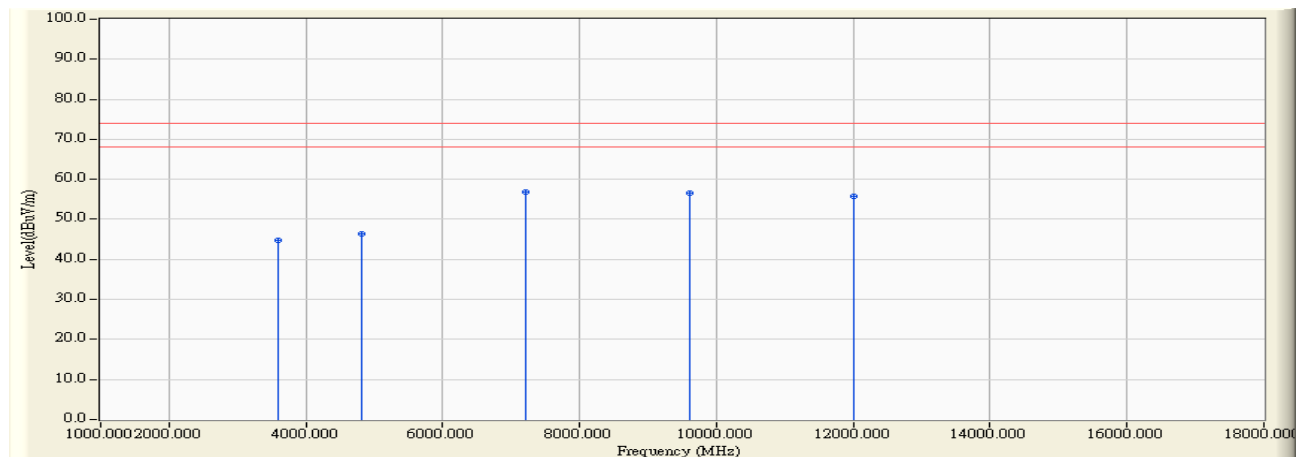


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7205.650           | 17.857                 | 31.260                  | 49.117                    | -4.883         | 54.000            | AVERAGE       |
| 2 |   | 9607.285           | 22.459                 | 21.060                  | 43.518                    | -10.482        | 54.000            | AVERAGE       |
| 3 |   | 12009.412          | 25.360                 | 15.950                  | 41.310                    | -12.690        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                         |                    |
|---------------------------------------------------------|--------------------|
| Site : CB4-H                                            | Time : 2017/09/26  |
| Limit : FCC_SpartC_15.209_03M_PK                        | Margin : 6         |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 -<br>VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                                 | Note : DH5_2402MHz |

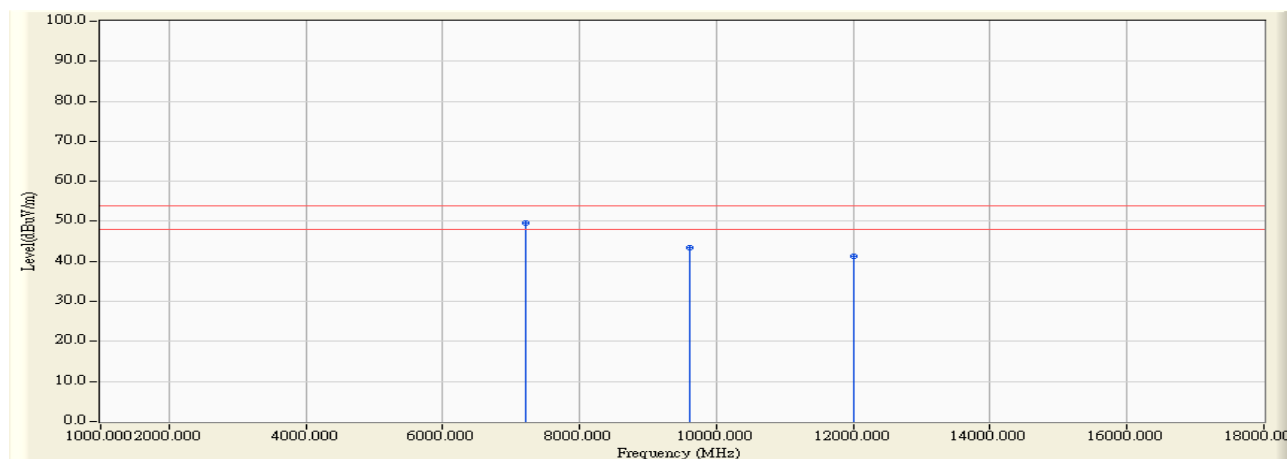


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 3602.750           | 3.294                  | 41.440                  | 44.734                    | -29.266        | 74.000            | PEAK          |
| 2 |   | 4803.780           | 8.273                  | 38.180                  | 46.454                    | -27.546        | 74.000            | PEAK          |
| 3 | * | 7206.460           | 17.860                 | 38.860                  | 56.719                    | -17.281        | 74.000            | PEAK          |
| 4 |   | 9607.062           | 22.458                 | 34.030                  | 56.488                    | -17.512        | 74.000            | PEAK          |
| 5 |   | 12011.012          | 25.360                 | 30.380                  | 55.740                    | -18.260        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Site : CB4-H                                         | Time : 2017/09/26  |
| Limit : FCC_SpartC_15.209_03M_AV                     | Margin : 6         |
| Probe : CB4-H_FCC_C_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                              | Note : DH5_2402MHz |

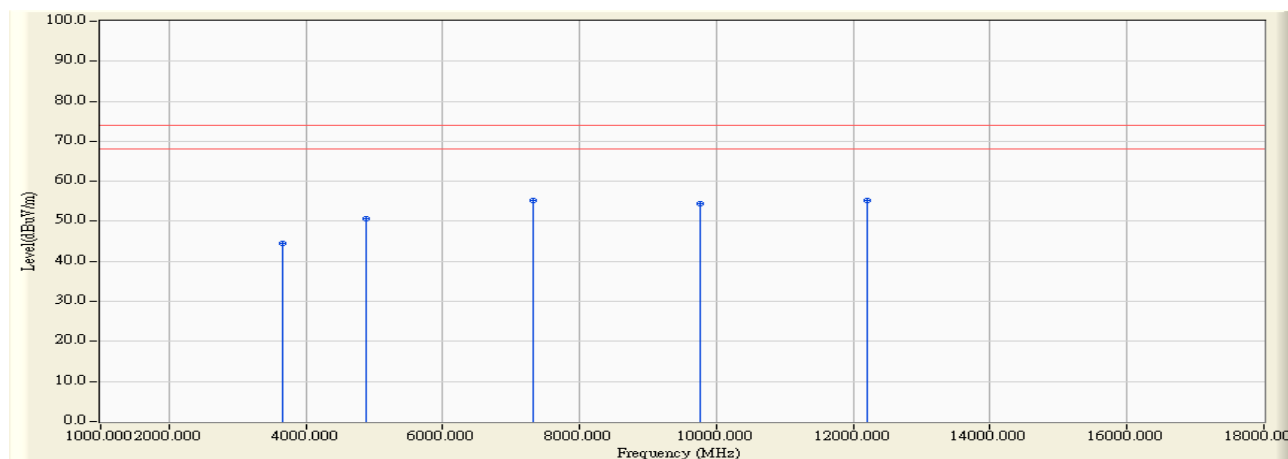


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7206.460           | 17.860                 | 31.760                  | 49.619                    | -4.381         | 54.000            | AVERAGE       |
| 2 |   | 9607.942           | 22.461                 | 20.950                  | 43.411                    | -10.589        | 54.000            | AVERAGE       |
| 3 |   | 12011.012          | 25.360                 | 15.920                  | 41.280                    | -12.720        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                        |                    |
|--------------------------------------------------------|--------------------|
| Site : CB4-H                                           | Time : 2017/09/26  |
| Limit : FCC_SpartC_15.209_03M_PK                       | Margin : 6         |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                                | Note : DH5_2441MHz |

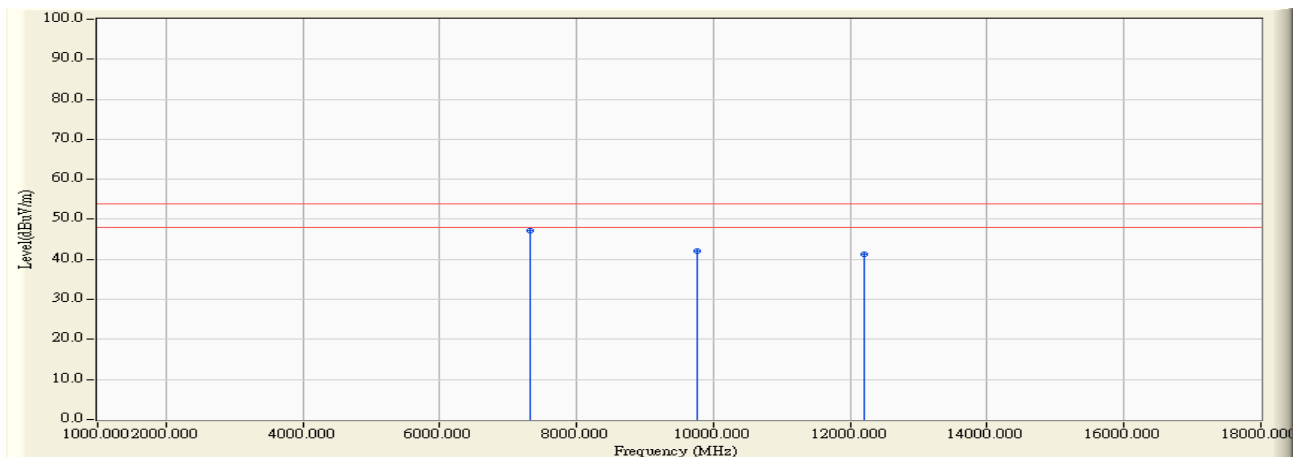


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 3661.145           | 3.488                  | 40.940                  | 44.428                    | -29.572        | 74.000            | PEAK          |
| 2 |   | 4881.890           | 8.670                  | 42.070                  | 50.740                    | -23.260        | 74.000            | PEAK          |
| 3 |   | 7323.572           | 18.129                 | 37.010                  | 55.140                    | -18.860        | 74.000            | PEAK          |
| 4 |   | 9764.495           | 23.087                 | 31.450                  | 54.536                    | -19.464        | 74.000            | PEAK          |
| 5 | * | 12206.310          | 25.500                 | 29.650                  | 55.150                    | -18.850        | 74.000            | PEAK          |

## Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                        |                    |
|--------------------------------------------------------|--------------------|
| Site : CB4-H                                           | Time : 2017/09/26  |
| Limit : FCC_SpartC_15.209_03M_AV                       | Margin : 6         |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                                | Note : DH5_2441MHz |

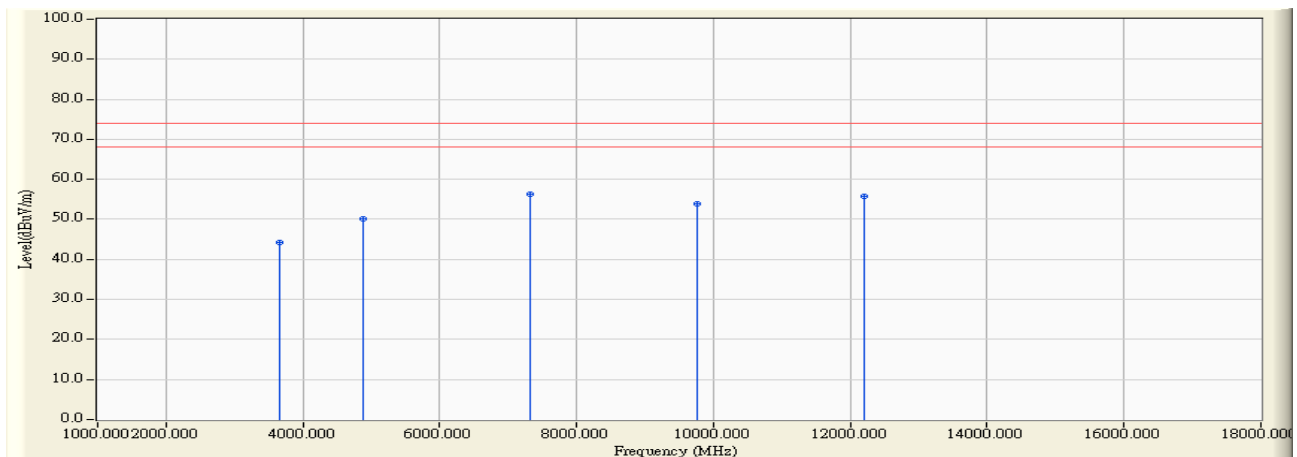


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7323.572           | 18.129                 | 29.030                  | 47.160                    | -6.840         | 54.000            | AVERAGE       |
| 2 |   | 9764.495           | 23.087                 | 18.960                  | 42.046                    | -11.954        | 54.000            | AVERAGE       |
| 3 |   | 12206.310          | 25.500                 | 15.700                  | 41.200                    | -12.800        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Site : CB4-H                                         | Time : 2017/09/26  |
| Limit : FCC_SpartC_15.209_03M_PK                     | Margin : 6         |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                              | Note : DH5_2441MHz |

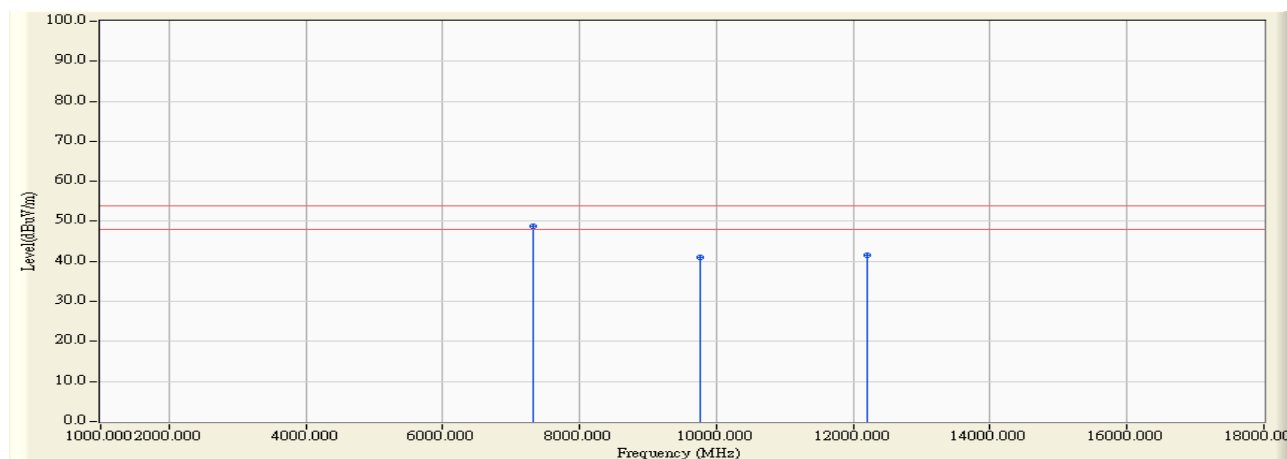


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 3661.015           | 3.488                  | 40.620                  | 44.108                    | -29.892        | 74.000            | PEAK          |
| 2 |   | 4881.660           | 8.669                  | 41.580                  | 50.249                    | -23.751        | 74.000            | PEAK          |
| 3 | * | 7323.445           | 18.129                 | 38.110                  | 56.240                    | -17.760        | 74.000            | PEAK          |
| 4 |   | 9763.745           | 23.083                 | 30.720                  | 53.804                    | -20.196        | 74.000            | PEAK          |
| 5 |   | 12205.412          | 25.499                 | 30.290                  | 55.789                    | -18.211        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Site : CB4-H                                         | Time : 2017/09/26  |
| Limit : FCC_SpartC_15.209_03M_AV                     | Margin : 6         |
| Probe : CB4-H_FCC_C_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                              | Note : DH5_2441MHz |

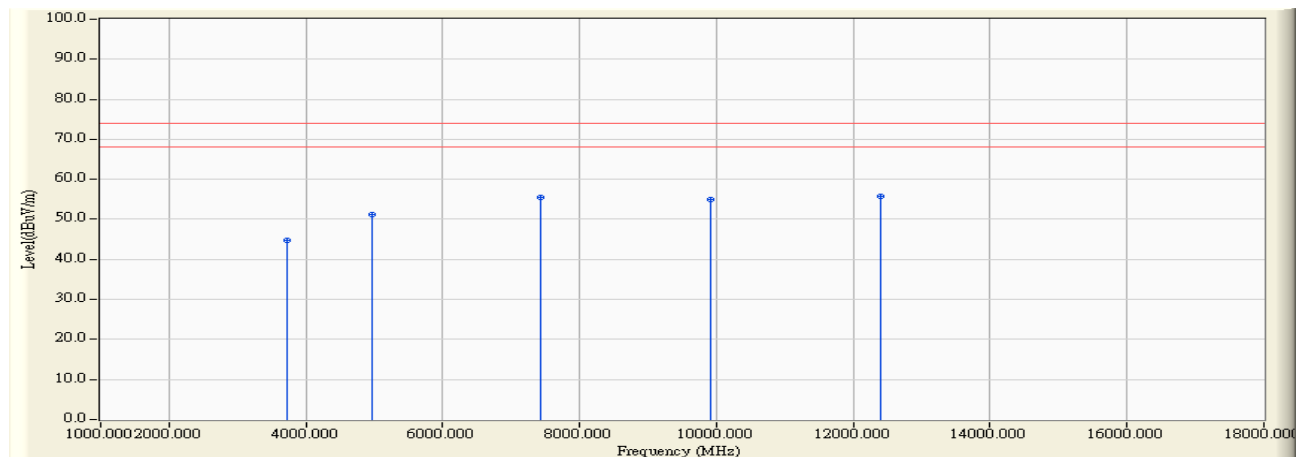


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7323.015           | 18.129                 | 30.660                  | 48.789                    | -5.211         | 54.000            | AVERAGE       |
| 2 |   | 9763.745           | 23.083                 | 17.900                  | 40.984                    | -13.016        | 54.000            | AVERAGE       |
| 3 |   | 12205.412          | 25.499                 | 15.930                  | 41.429                    | -12.571        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                        |                    |
|--------------------------------------------------------|--------------------|
| Site : CB4-H                                           | Time : 2017/09/26  |
| Limit : FCC_SpartC_15.209_03M_PK                       | Margin : 6         |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                                | Note : DH5_2480MHz |

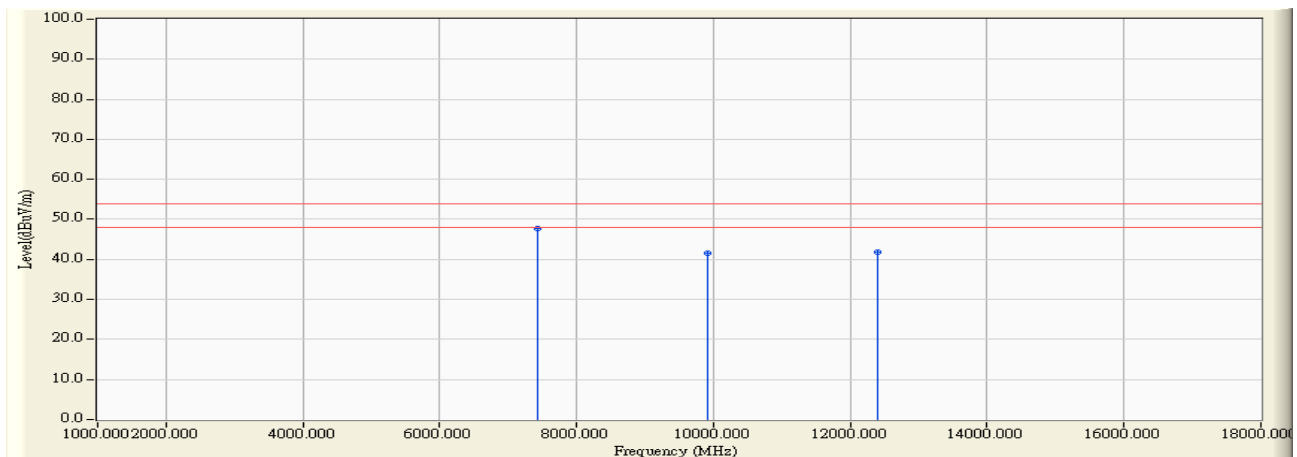


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 3720.342           | 3.685                  | 41.080                  | 44.765                    | -29.235        | 74.000            | PEAK          |
| 2 |   | 4959.947           | 9.066                  | 42.090                  | 51.156                    | -22.844        | 74.000            | PEAK          |
| 3 |   | 7440.340           | 18.380                 | 37.210                  | 55.591                    | -18.409        | 74.000            | PEAK          |
| 4 |   | 9919.837           | 23.616                 | 31.250                  | 54.866                    | -19.134        | 74.000            | PEAK          |
| 5 | * | 12400.712          | 25.649                 | 30.160                  | 55.808                    | -18.192        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                        |                    |
|--------------------------------------------------------|--------------------|
| Site : CB4-H                                           | Time : 2017/09/26  |
| Limit : FCC_SpartC_15.209_03M_AV                       | Margin : 6         |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                                | Note : DH5_2480MHz |

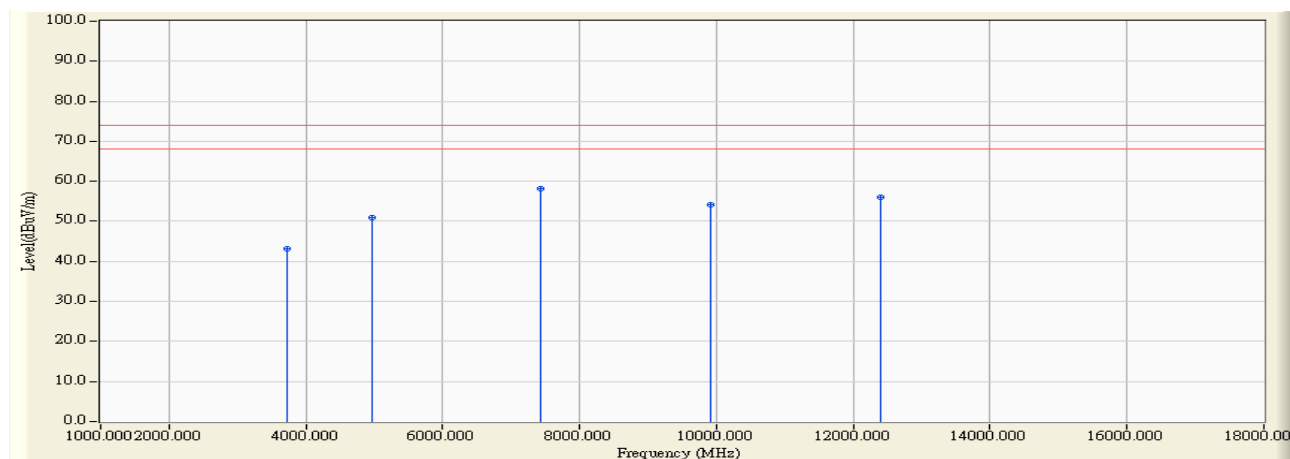


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7440.340           | 18.380                 | 29.280                  | 47.661                    | -6.339         | 54.000            | AVERAGE       |
| 2 |   | 9919.837           | 23.616                 | 18.060                  | 41.676                    | -12.324        | 54.000            | AVERAGE       |
| 3 |   | 12400.712          | 25.649                 | 16.290                  | 41.938                    | -12.062        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Site : CB4-H                                         | Time : 2017/09/26  |
| Limit : FCC_SpartC_15.209_03M_PK                     | Margin : 6         |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                              | Note : DH5_2480MHz |

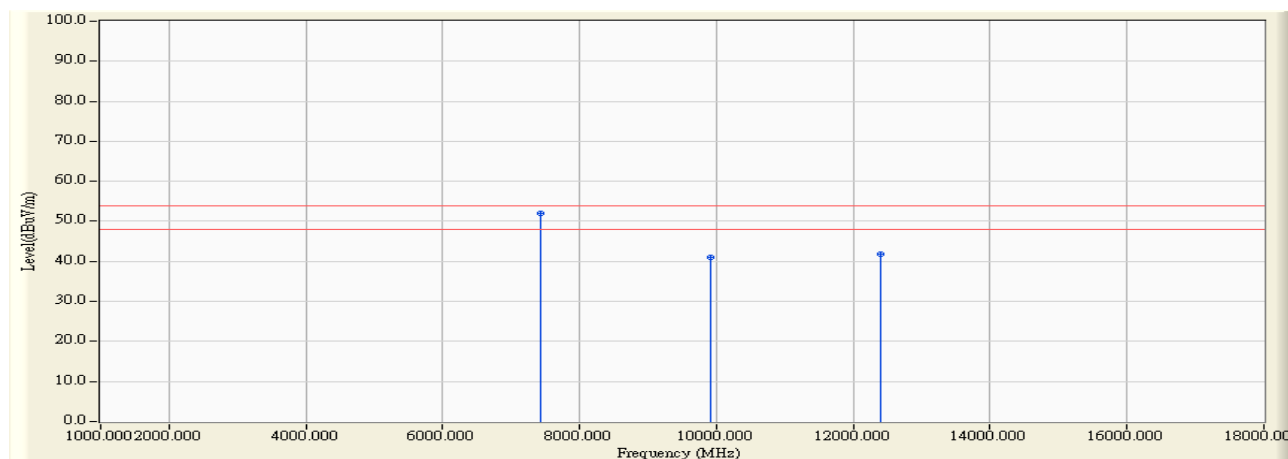


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 3719.465           | 3.682                  | 39.370                  | 43.052                    | -30.948        | 74.000            | PEAK          |
| 2 |   | 4960.222           | 9.068                  | 41.740                  | 50.808                    | -23.192        | 74.000            | PEAK          |
| 3 | * | 7440.355           | 18.380                 | 39.800                  | 58.181                    | -15.819        | 74.000            | PEAK          |
| 4 |   | 9920.032           | 23.616                 | 30.490                  | 54.106                    | -19.894        | 74.000            | PEAK          |
| 5 |   | 12400.417          | 25.648                 | 30.260                  | 55.908                    | -18.092        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Site : CB4-H                                         | Time : 2017/09/26  |
| Limit : FCC_SpartC_15.209_03M_AV                     | Margin : 6         |
| Probe : CB4-H_FCC_C_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                              | Note : DH5_2480MHz |

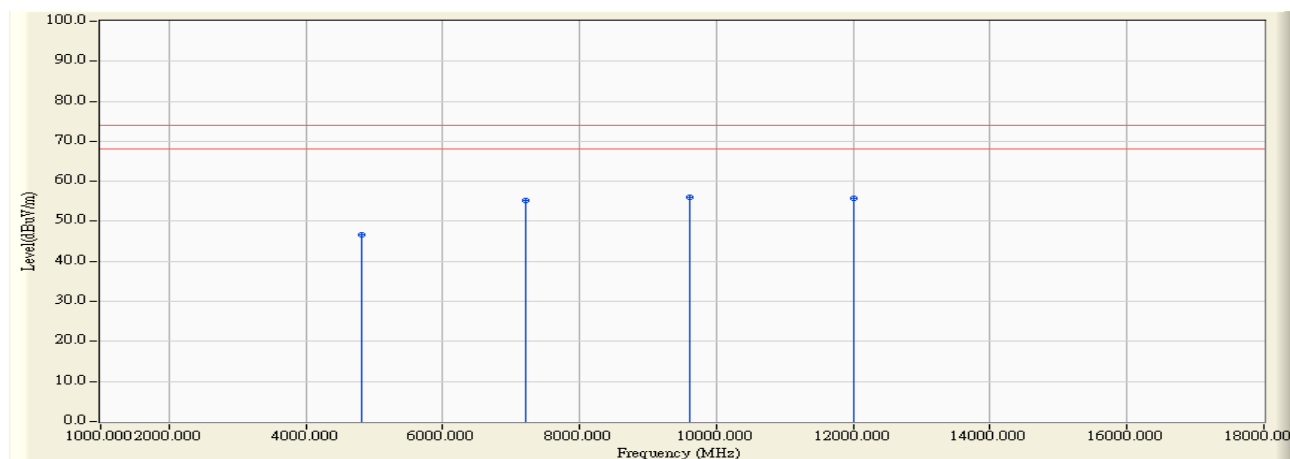


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7440.355           | 18.380                 | 33.550                  | 51.931                    | -2.069         | 54.000            | AVERAGE       |
| 2 |   | 9920.120           | 23.616                 | 17.400                  | 41.017                    | -12.983        | 54.000            | AVERAGE       |
| 3 |   | 12400.417          | 25.648                 | 16.130                  | 41.778                    | -12.222        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

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|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_PK                       | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 2DH5_2402MHz |

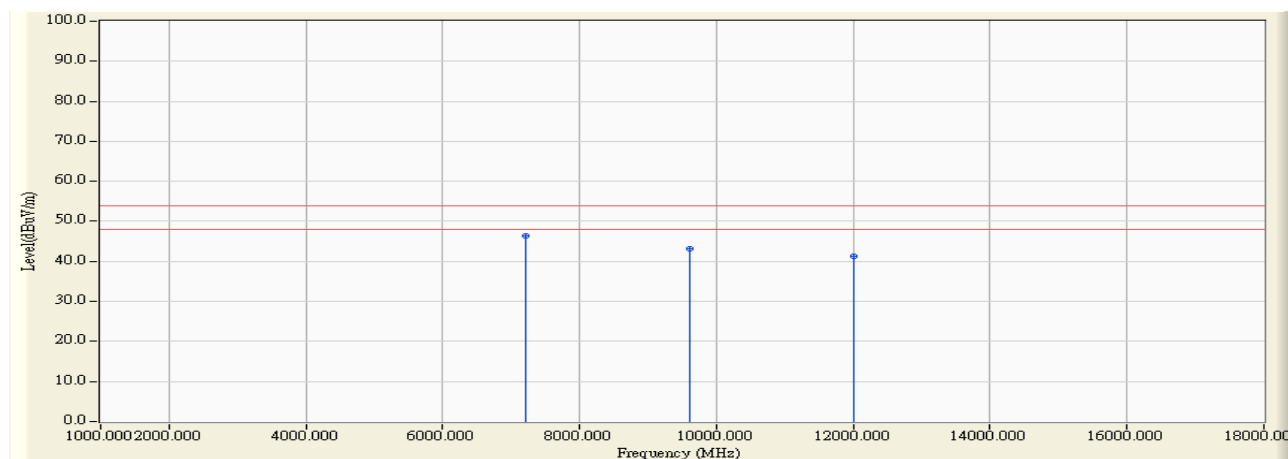


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 4804.270           | 8.276                  | 38.250                  | 46.527                    | -27.473        | 74.000            | PEAK          |
| 2 |   | 7206.217           | 17.858                 | 37.400                  | 55.259                    | -18.741        | 74.000            | PEAK          |
| 3 | * | 9607.245           | 22.458                 | 33.480                  | 55.938                    | -18.062        | 74.000            | PEAK          |
| 4 |   | 12009.630          | 25.360                 | 30.350                  | 55.710                    | -18.290        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

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|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_AV                       | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 2DH5_2402MHz |

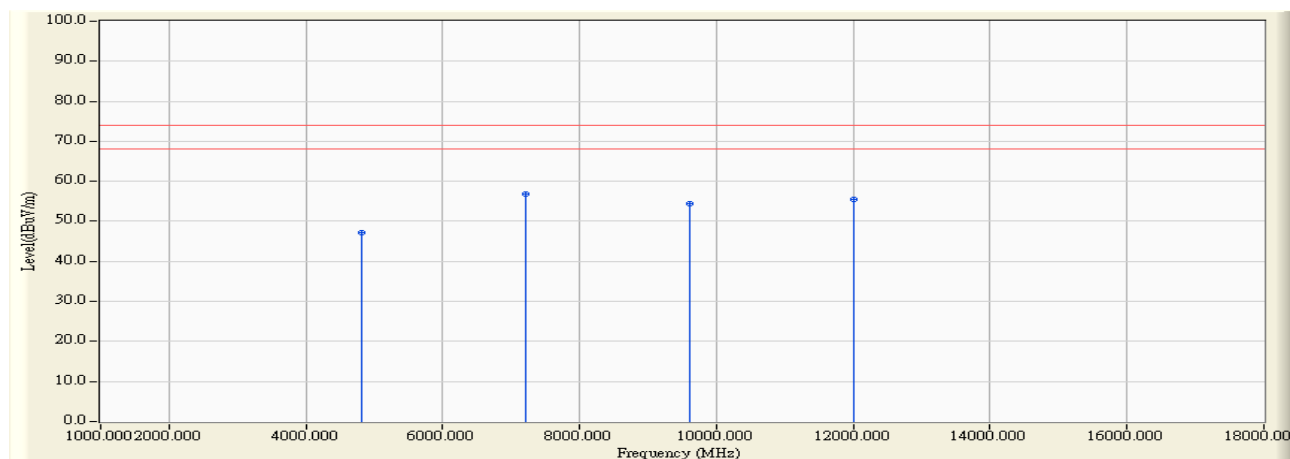


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7206.217           | 17.858                 | 28.510                  | 46.369                    | -7.631         | 54.000            | AVERAGE       |
| 2 |   | 9607.245           | 22.458                 | 20.780                  | 43.238                    | -10.762        | 54.000            | AVERAGE       |
| 3 |   | 12009.630          | 25.360                 | 15.800                  | 41.160                    | -12.840        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

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|------------------------------------------------------|---------------------|
| Site : CB4-H                                         | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_PK                     | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                              | Note : 2DH5_2402MHz |

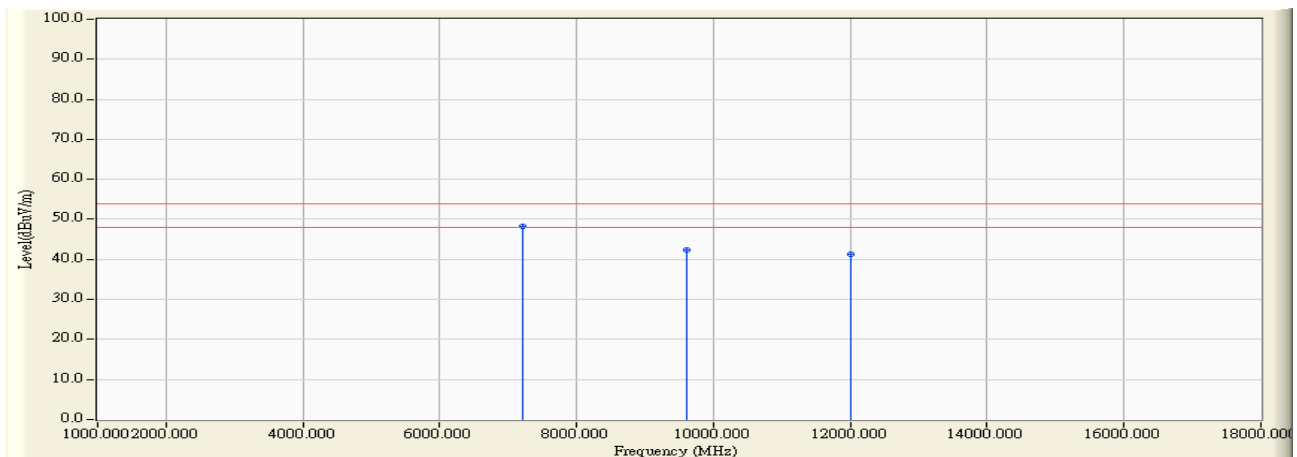


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 4804.332           | 8.276                  | 38.960                  | 47.237                    | -26.763        | 74.000            | PEAK          |
| 2 | * | 7205.857           | 17.857                 | 38.910                  | 56.768                    | -17.232        | 74.000            | PEAK          |
| 3 |   | 9608.295           | 22.463                 | 32.020                  | 54.483                    | -19.517        | 74.000            | PEAK          |
| 4 |   | 12011.225          | 25.360                 | 30.130                  | 55.491                    | -18.509        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

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|------------------------------------------------------|---------------------|
| Site : CB4-H                                         | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_AV                     | Margin : 6          |
| Probe : CB4-H_FCC_C_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                              | Note : 2DH5_2402MHz |

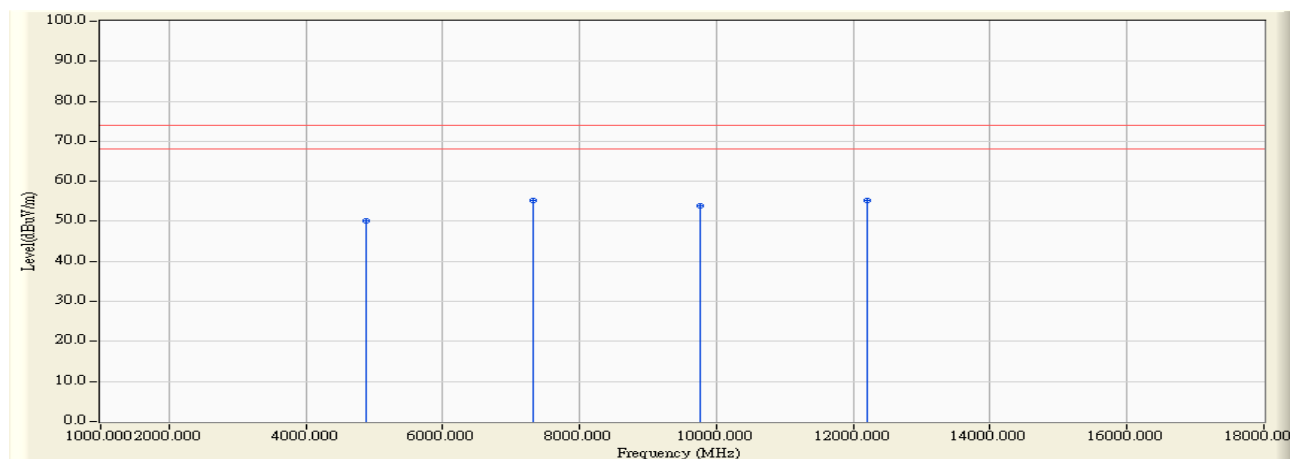


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7205.857           | 17.857                 | 30.280                  | 48.138                    | -5.862         | 54.000            | AVERAGE       |
| 2 |   | 9608.295           | 22.463                 | 19.770                  | 42.233                    | -11.767        | 54.000            | AVERAGE       |
| 3 |   | 12011.225          | 25.360                 | 15.830                  | 41.191                    | -12.809        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
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7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

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|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_PK                       | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 2DH5_2441MHz |

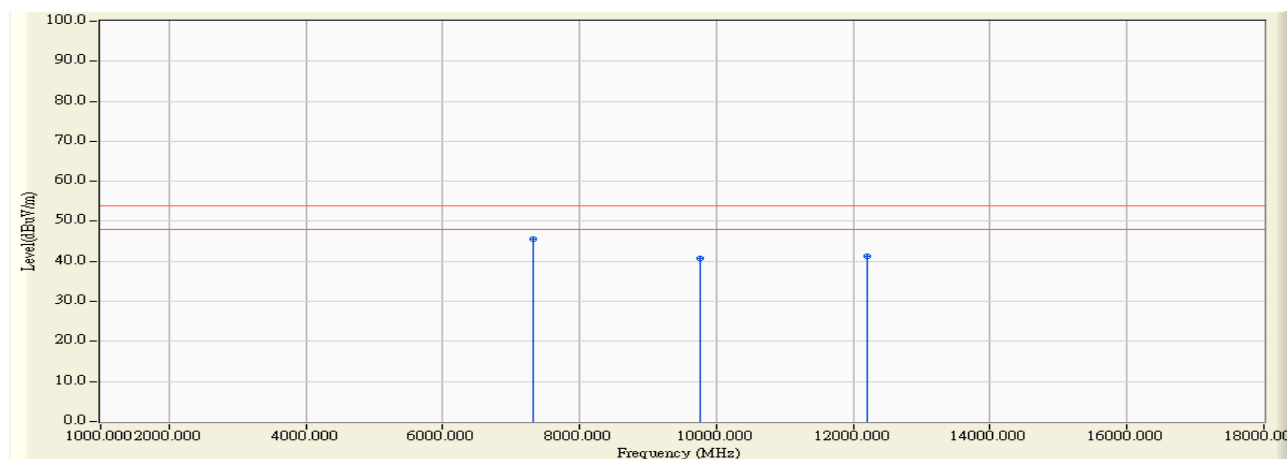


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 4881.525           | 43.280                 | 41.600                  | 50.268                    | -23.732        | 74.000            | PEAK          |
| 2 | * | 7323.527           | 50.800                 | 37.170                  | 55.300                    | -18.700        | 74.000            | PEAK          |
| 3 |   | 9766.227           | 23.092                 | 30.810                  | 53.902                    | -20.098        | 74.000            | PEAK          |
| 4 |   | 12205.715          | 25.500                 | 29.790                  | 55.289                    | -18.711        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

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|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_AV                       | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 2DH5_2441MHz |

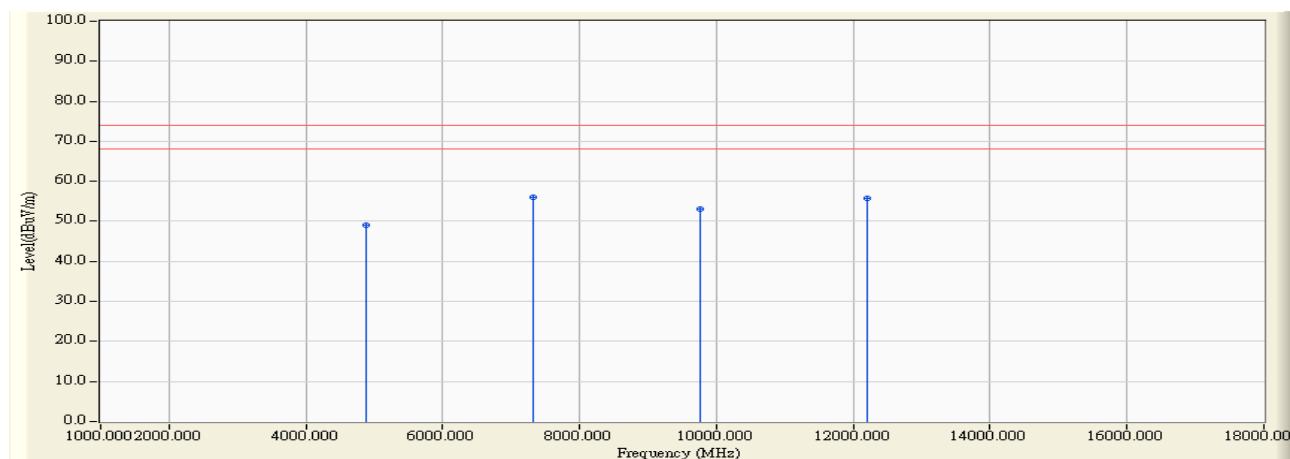


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7323.527           | 18.129                 | 27.380                  | 45.510                    | -8.490         | 54.000            | AVERAGE       |
| 2 |   | 9766.227           | 23.092                 | 17.590                  | 40.682                    | -13.318        | 54.000            | AVERAGE       |
| 3 |   | 12205.715          | 25.500                 | 15.670                  | 41.169                    | -12.831        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

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|------------------------------------------------------|---------------------|
| Site : CB4-H                                         | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_PK                     | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                              | Note : 2DH5_2441MHz |

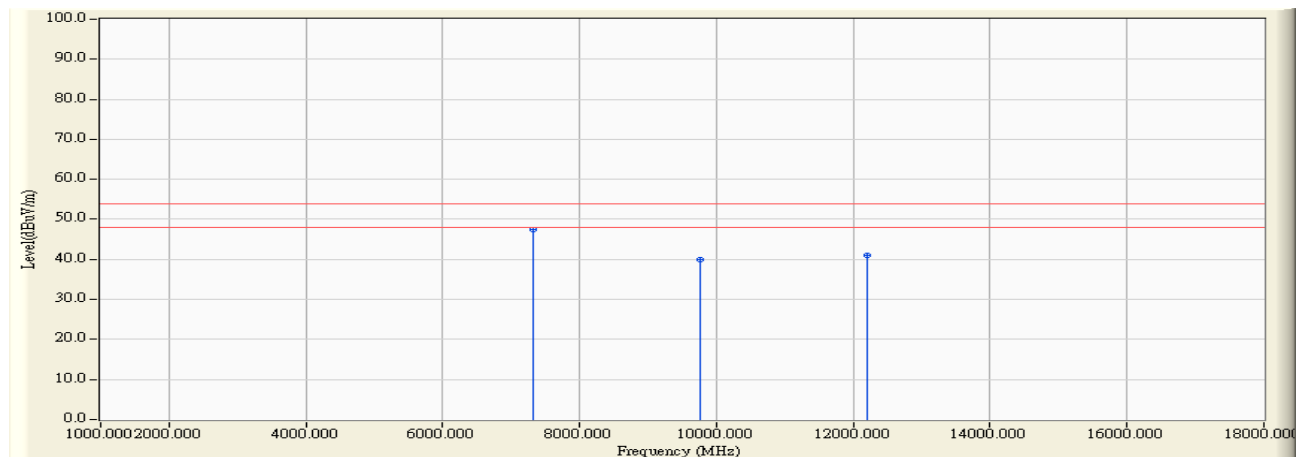


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 4881.880           | 8.670                  | 40.430                  | 49.100                    | -24.900        | 74.000            | PEAK          |
| 2 | * | 7322.322           | 18.128                 | 37.980                  | 56.107                    | -17.893        | 74.000            | PEAK          |
| 3 |   | 9764.037           | 23.084                 | 30.020                  | 53.105                    | -20.895        | 74.000            | PEAK          |
| 4 |   | 12204.840          | 25.499                 | 30.200                  | 55.699                    | -18.301        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
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7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

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|------------------------------------------------------|---------------------|
| Site : CB4-H                                         | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_AV                     | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                              | Note : 2DH5_2441MHz |

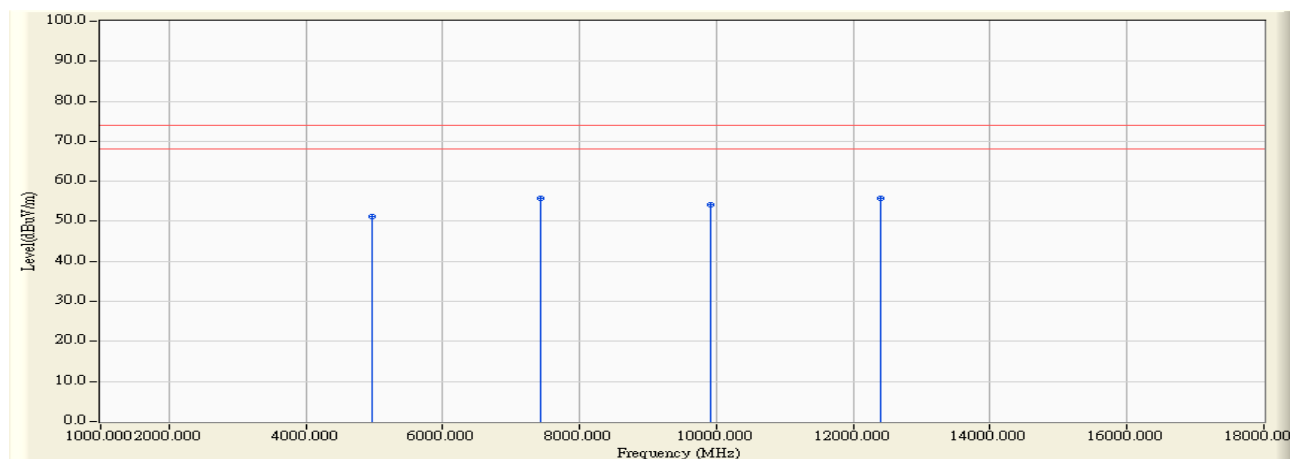


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7322.322           | 18.128                 | 29.290                  | 47.417                    | -6.583         | 54.000            | AVERAGE       |
| 2 |   | 9764.037           | 23.084                 | 16.990                  | 40.075                    | -13.925        | 54.000            | AVERAGE       |
| 3 |   | 12204.840          | 25.499                 | 15.640                  | 41.139                    | -12.861        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

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|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_PK                       | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 2DH5_2480MHz |

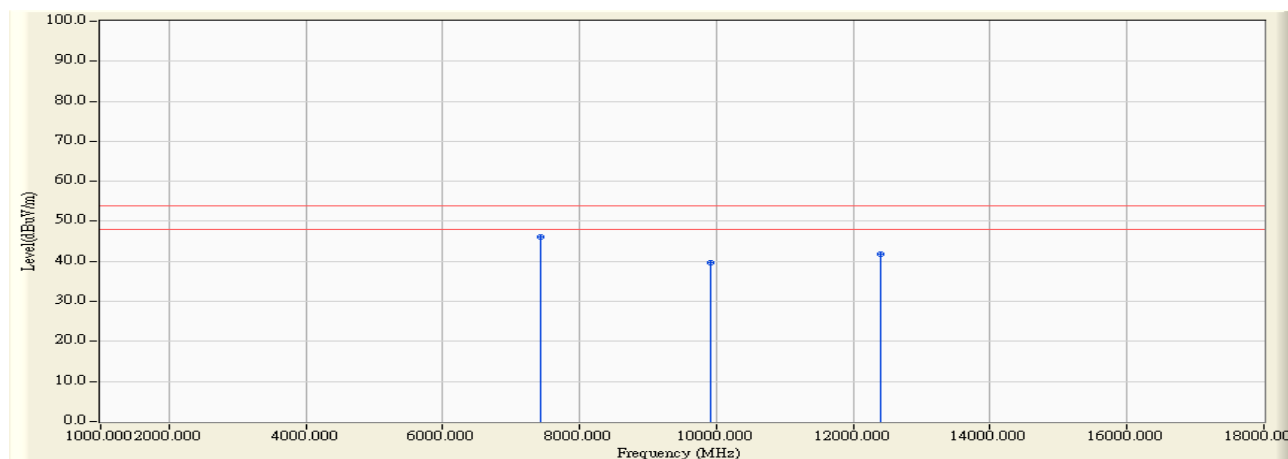


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 4960.722           | 9.070                  | 42.010                  | 51.080                    | -22.920        | 74.000            | PEAK          |
| 2 | * | 7439.467           | 18.379                 | 37.470                  | 55.849                    | -18.151        | 74.000            | PEAK          |
| 3 |   | 9920.340           | 23.617                 | 30.410                  | 54.027                    | -19.973        | 74.000            | PEAK          |
| 4 |   | 12400.887          | 25.648                 | 30.170                  | 55.818                    | -18.182        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_AV                       | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 2DH5_2480MHz |

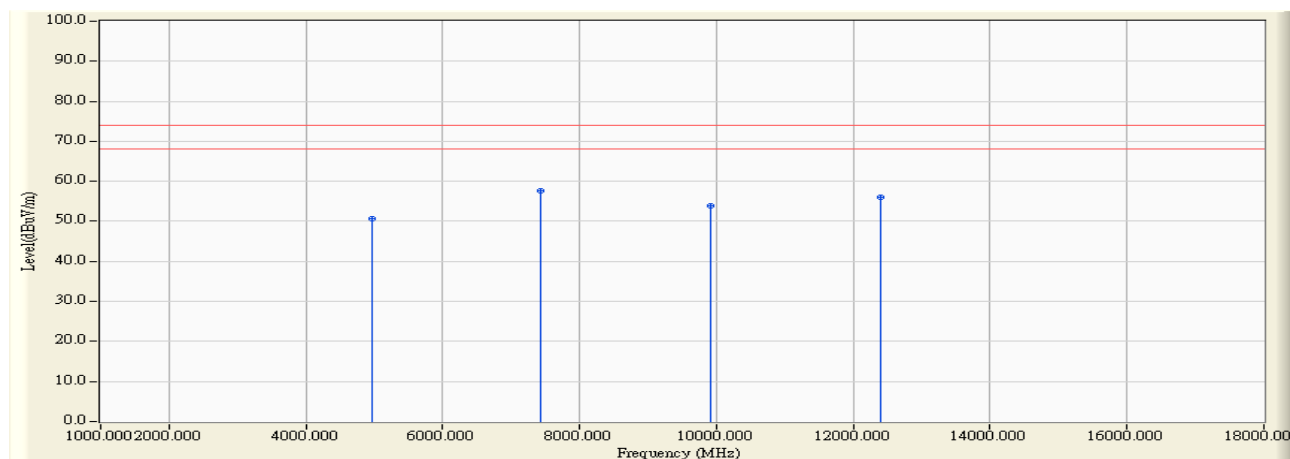


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7439.467           | 18.379                 | 27.820                  | 46.199                    | -7.801         | 54.000            | AVERAGE       |
| 2 |   | 9920.340           | 23.617                 | 16.190                  | 39.807                    | -14.193        | 54.000            | AVERAGE       |
| 3 |   | 12400.887          | 25.648                 | 16.120                  | 41.768                    | -12.232        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                      |                     |
|------------------------------------------------------|---------------------|
| Site : CB4-H                                         | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_PK                     | Margin : 6          |
| Probe : CB4-H_FCC_C_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                              | Note : 2DH5_2480MHz |

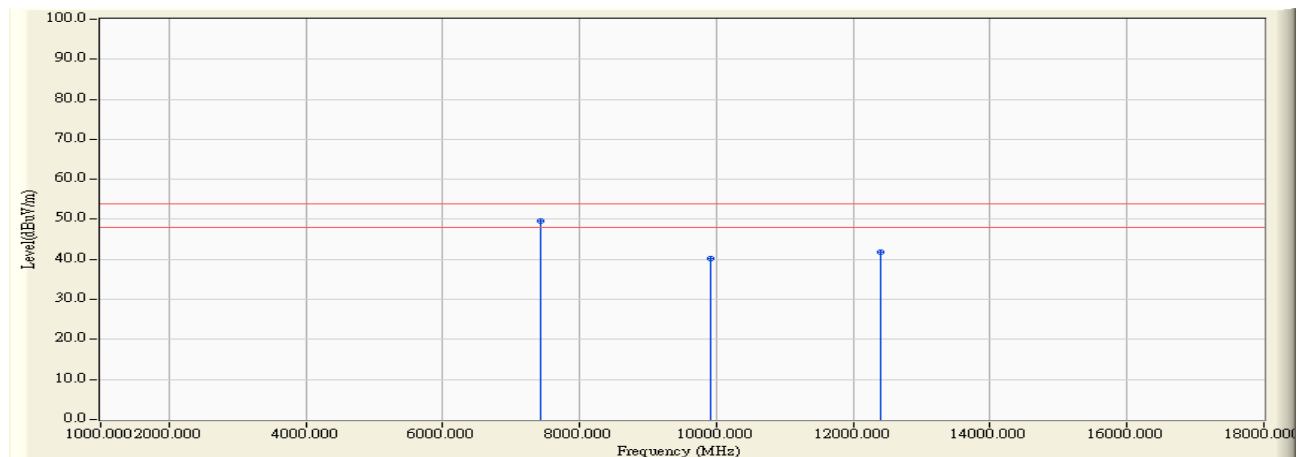


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 4960.175           | 9.068                  | 41.700                  | 50.767                    | -23.233        | 74.000            | PEAK          |
| 2 | * | 7439.572           | 18.379                 | 39.150                  | 57.529                    | -16.471        | 74.000            | PEAK          |
| 3 |   | 9920.395           | 23.618                 | 30.300                  | 53.918                    | -20.082        | 74.000            | PEAK          |
| 4 |   | 12401.530          | 25.649                 | 30.490                  | 56.139                    | -17.861        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                      |                     |
|------------------------------------------------------|---------------------|
| Site : CB4-H                                         | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_AV                     | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                              | Note : 2DH5_2480MHz |

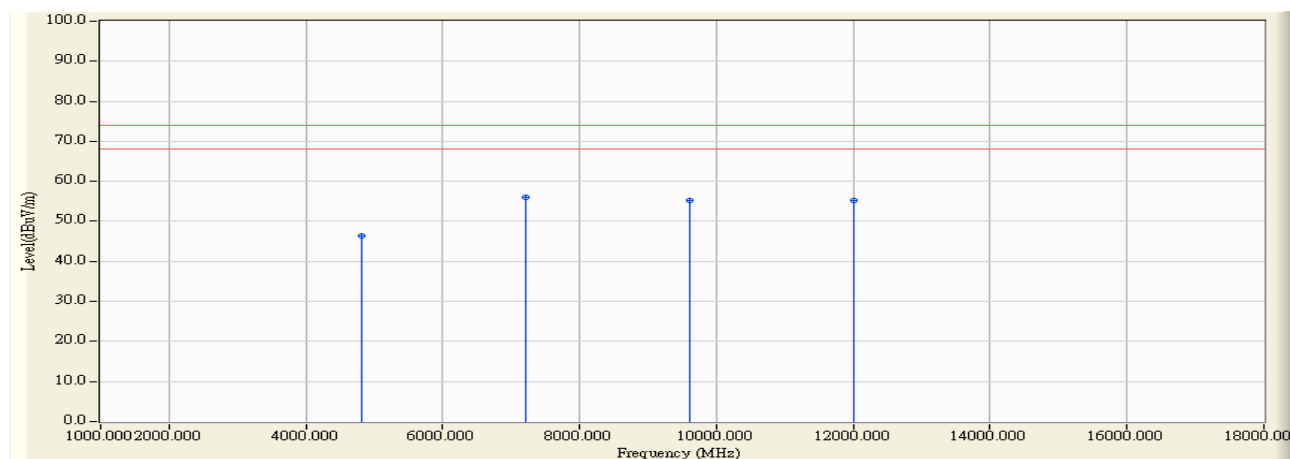


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7439.572           | 18.379                 | 31.220                  | 49.599                    | -4.401         | 54.000            | AVERAGE       |
| 2 |   | 9920.395           | 23.618                 | 16.630                  | 40.248                    | -13.752        | 54.000            | AVERAGE       |
| 3 |   | 12401.530          | 25.649                 | 16.150                  | 41.799                    | -12.201        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_PK                       | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 3DH5_2402MHz |

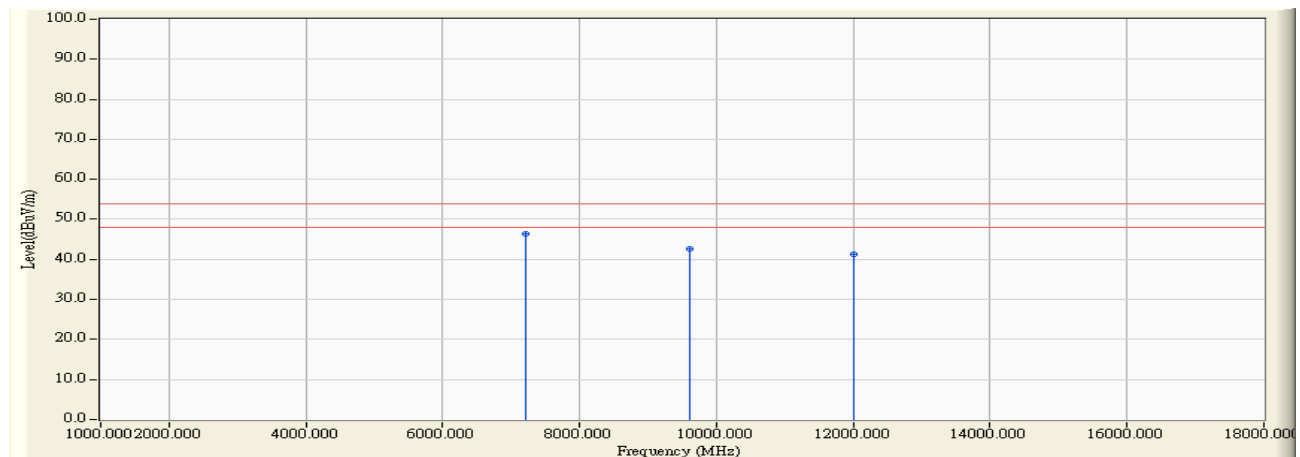


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 4803.640           | 8.273                  | 38.020                  | 46.293                    | -27.707        | 74.000            | PEAK          |
| 2 | * | 7205.672           | 17.857                 | 38.110                  | 55.967                    | -18.033        | 74.000            | PEAK          |
| 3 |   | 9608.075           | 22.461                 | 32.820                  | 55.282                    | -18.718        | 74.000            | PEAK          |
| 4 |   | 12011.955          | 25.361                 | 29.890                  | 55.251                    | -18.749        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_AV                       | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 3DH5_2402MHz |

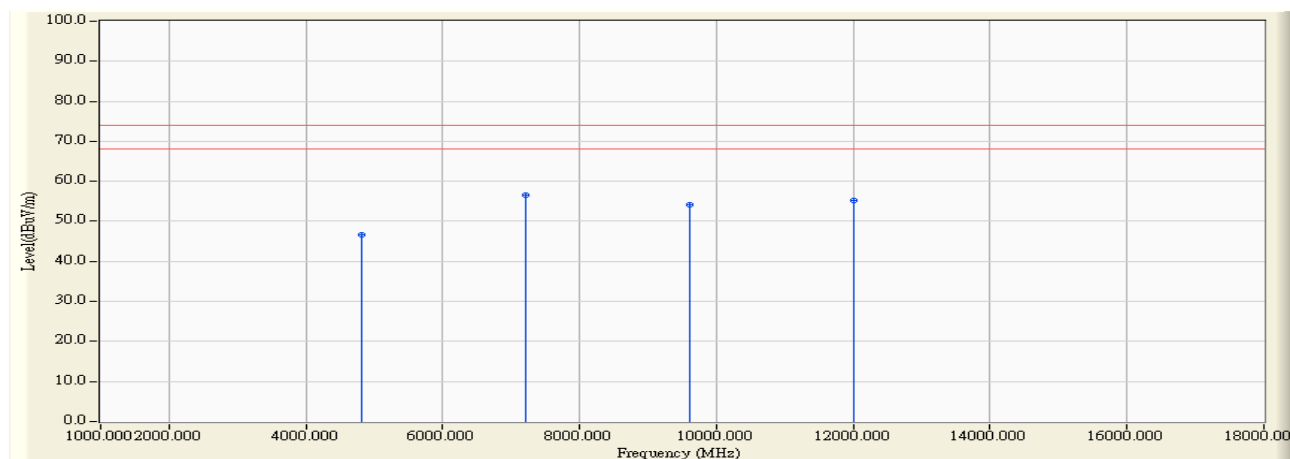


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7205.672           | 17.857                 | 28.580                  | 46.437                    | -7.563         | 54.000            | AVERAGE       |
| 2 |   | 9608.075           | 22.461                 | 20.140                  | 42.602                    | -11.398        | 54.000            | AVERAGE       |
| 3 |   | 12011.955          | 25.361                 | 15.880                  | 41.241                    | -12.759        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                      |                     |
|------------------------------------------------------|---------------------|
| Site : CB4-H                                         | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_PK                     | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                              | Note : 3DH5_2402MHz |

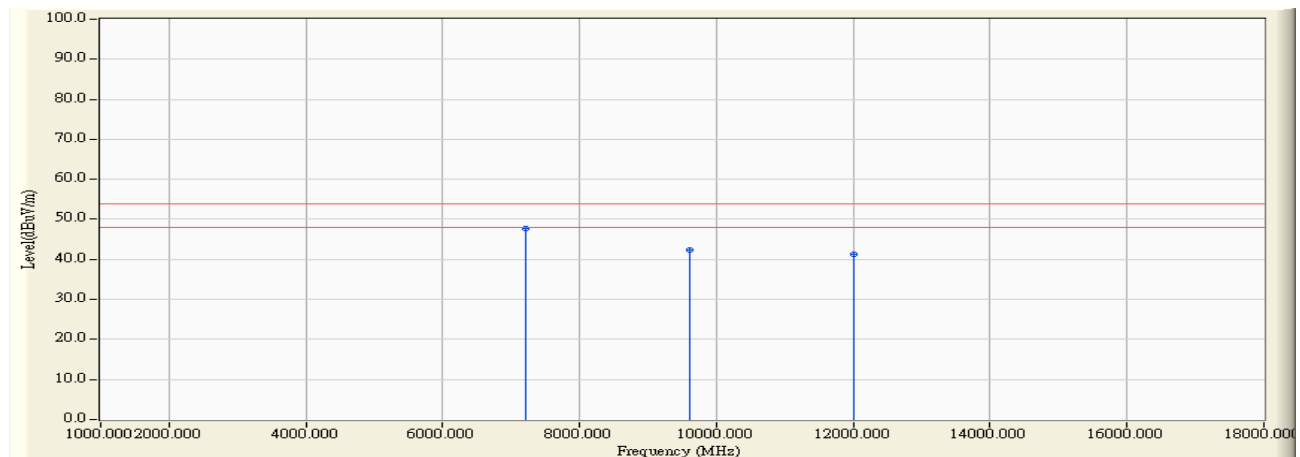


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 4803.985           | 8.275                  | 38.490                  | 46.765                    | -27.235        | 74.000            | PEAK          |
| 2 | * | 7205.755           | 17.857                 | 38.720                  | 56.577                    | -17.423        | 74.000            | PEAK          |
| 3 |   | 9608.042           | 22.461                 | 31.770                  | 54.232                    | -19.768        | 74.000            | PEAK          |
| 4 |   | 12008.960          | 25.359                 | 29.980                  | 55.339                    | -18.661        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                      |                     |
|------------------------------------------------------|---------------------|
| Site : CB4-H                                         | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_AV                     | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                              | Note : 3DH5_2402MHz |

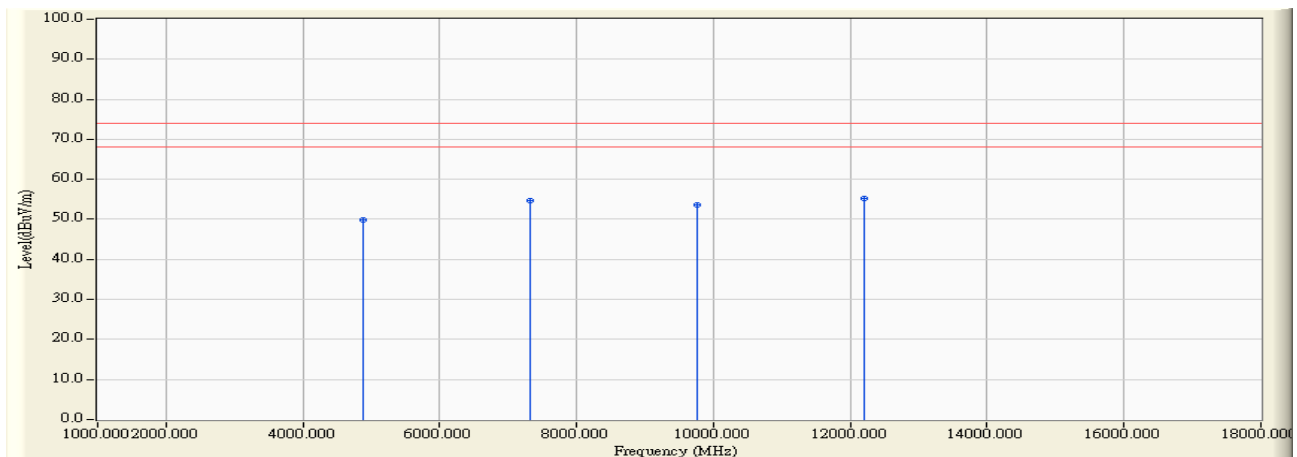


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7205.755           | 17.857                 | 29.750                  | 47.607                    | -6.393         | 54.000            | AVERAGE       |
| 2 |   | 9608.042           | 22.461                 | 19.860                  | 42.322                    | -11.678        | 54.000            | AVERAGE       |
| 3 |   | 12008.960          | 25.359                 | 15.890                  | 41.249                    | -12.751        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_PK                       | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 3DH5_2441MHz |

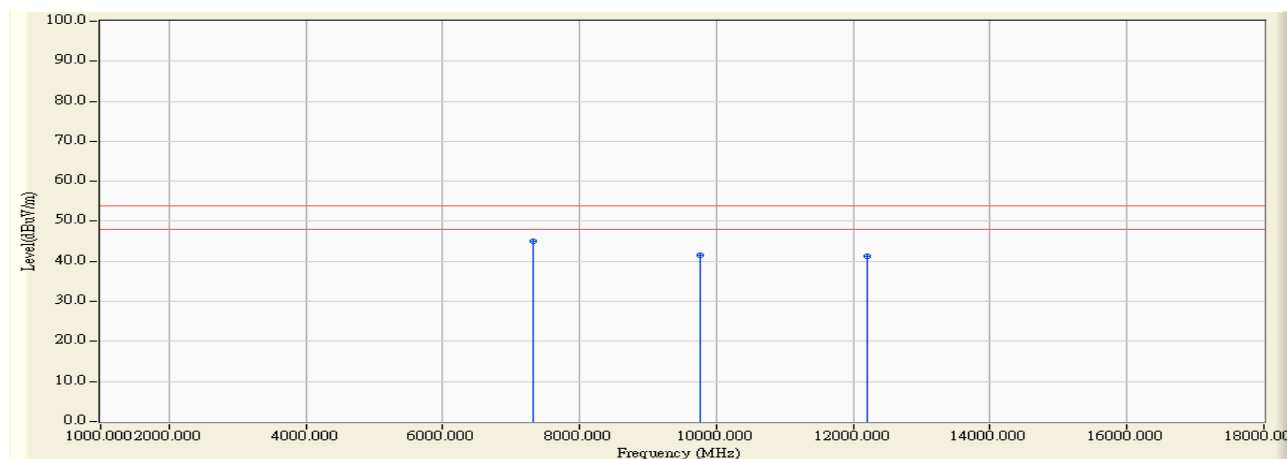


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 4881.702           | 8.669                  | 41.120                  | 49.789                    | -24.211        | 74.000            | PEAK          |
| 2 |   | 7323.280           | 18.129                 | 36.580                  | 54.710                    | -19.290        | 74.000            | PEAK          |
| 3 |   | 9764.490           | 23.087                 | 30.500                  | 53.586                    | -20.414        | 74.000            | PEAK          |
| 4 | * | 12203.992          | 25.498                 | 29.730                  | 55.228                    | -18.772        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_AV                       | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 3DH5_2441MHz |

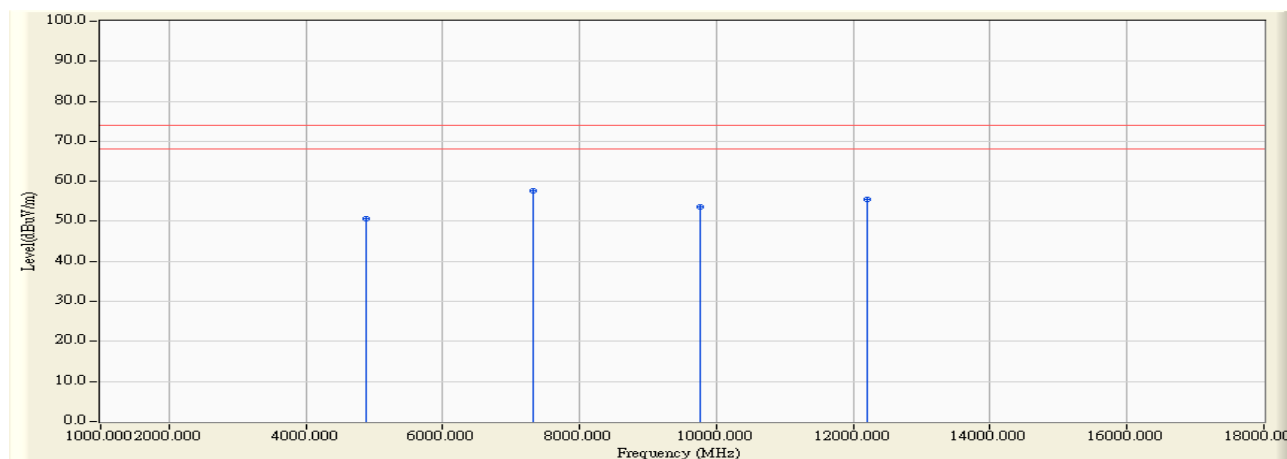


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7323.280           | 18.129                 | 26.830                  | 44.960                    | -9.040         | 54.000            | AVERAGE       |
| 2 |   | 9764.490           | 23.087                 | 18.340                  | 41.426                    | -12.574        | 54.000            | AVERAGE       |
| 3 |   | 12203.992          | 25.498                 | 15.710                  | 41.208                    | -12.792        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_PK                        | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 -<br>VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 3DH5_2441MHz |

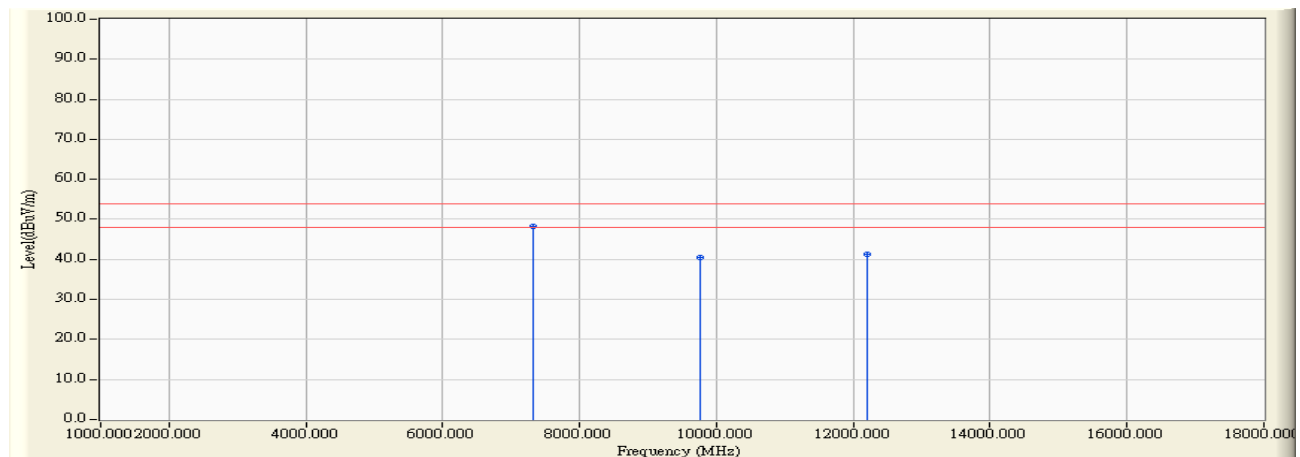


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 4881.960           | 8.670                  | 41.920                  | 50.591                    | -23.409        | 74.000            | PEAK          |
| 2 | * | 7322.685           | 18.128                 | 39.590                  | 57.718                    | -16.282        | 74.000            | PEAK          |
| 3 |   | 9765.097           | 23.088                 | 30.650                  | 53.738                    | -20.262        | 74.000            | PEAK          |
| 4 |   | 12205.750          | 25.500                 | 30.000                  | 55.499                    | -18.501        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                      |                     |
|------------------------------------------------------|---------------------|
| Site : CB4-H                                         | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_AV                     | Margin : 6          |
| Probe : CB4-H_FCC_C_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                              | Note : 3DH5_2441MHz |

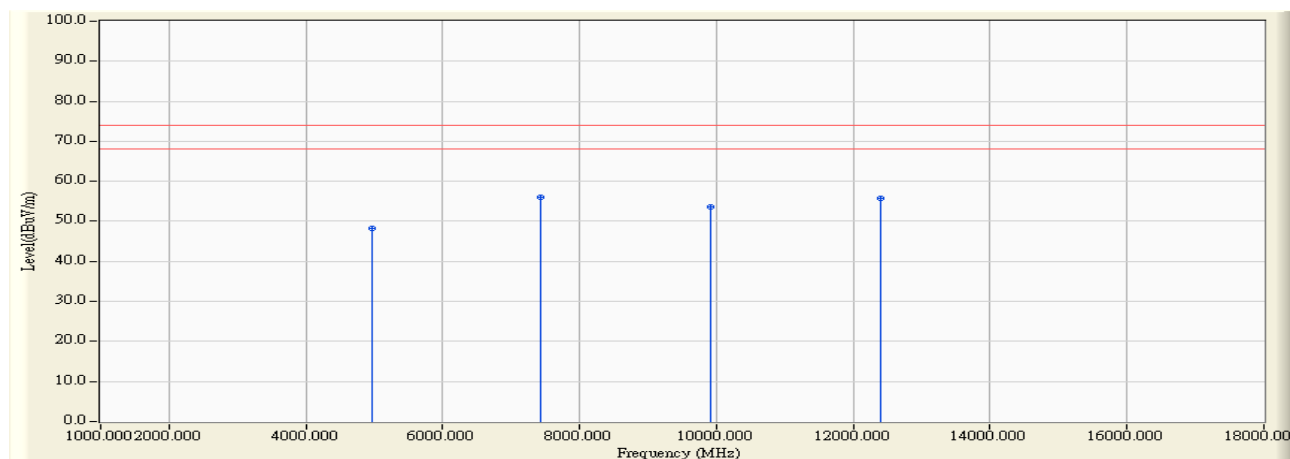


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7322.685           | 18.128                 | 30.190                  | 48.318                    | -5.682         | 54.000            | AVERAGE       |
| 2 |   | 9765.097           | 23.088                 | 17.500                  | 40.588                    | -13.412        | 54.000            | AVERAGE       |
| 3 |   | 12205.750          | 25.500                 | 15.660                  | 41.159                    | -12.841        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_PK                       | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 3DH5_2480MHz |

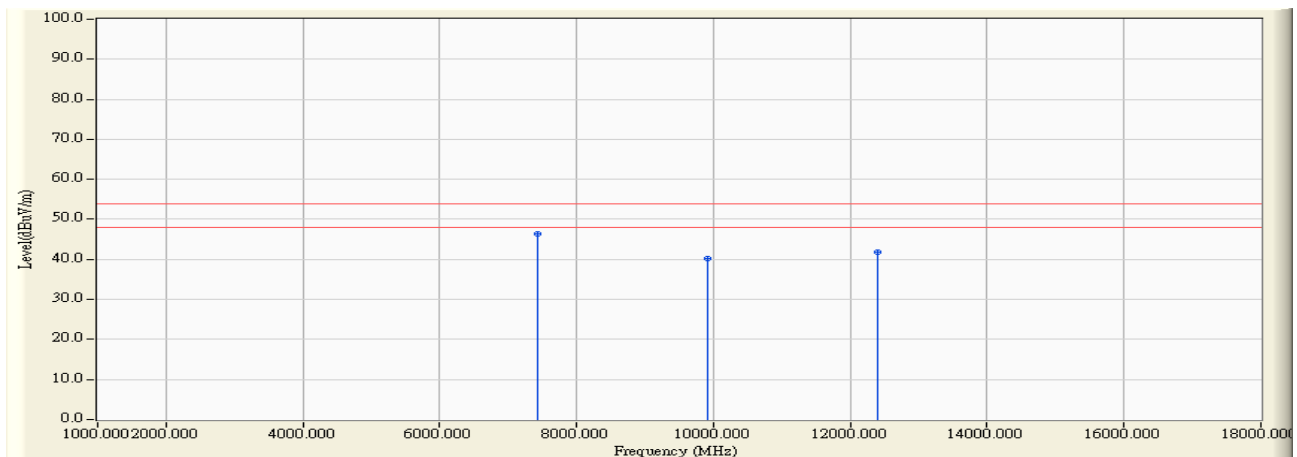


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 4960.515           | 9.069                  | 39.120                  | 48.189                    | -25.811        | 74.000            | PEAK          |
| 2 | * | 7439.622           | 18.380                 | 37.610                  | 55.989                    | -18.011        | 74.000            | PEAK          |
| 3 |   | 9919.777           | 23.616                 | 29.900                  | 53.516                    | -20.484        | 74.000            | PEAK          |
| 4 |   | 12401.487          | 25.649                 | 30.100                  | 55.749                    | -18.251        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Site : CB4-H                                           | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_AV                       | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                | Note : 3DH5_2480MHz |

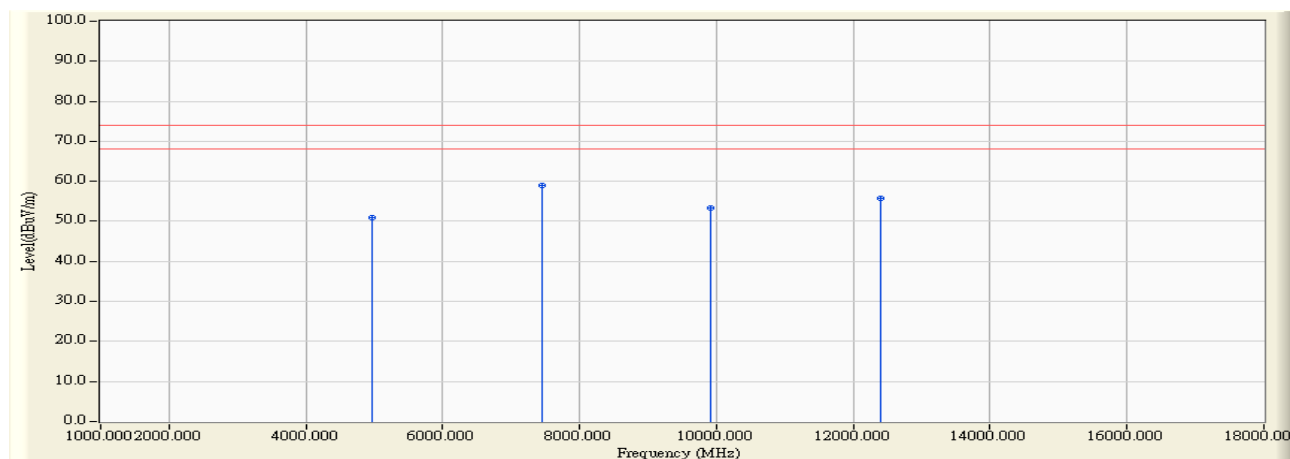


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7439.622           | 18.380                 | 27.950                  | 46.329                    | -7.671         | 54.000            | AVERAGE       |
| 2 |   | 9919.777           | 23.616                 | 16.690                  | 40.306                    | -13.694        | 54.000            | AVERAGE       |
| 3 |   | 12401.487          | 25.649                 | 16.150                  | 41.799                    | -12.201        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                      |                     |
|------------------------------------------------------|---------------------|
| Site : CB4-H                                         | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_PK                     | Margin : 6          |
| Probe : CB4-H_FCCCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                              | Note : 3DH5_2480MHz |

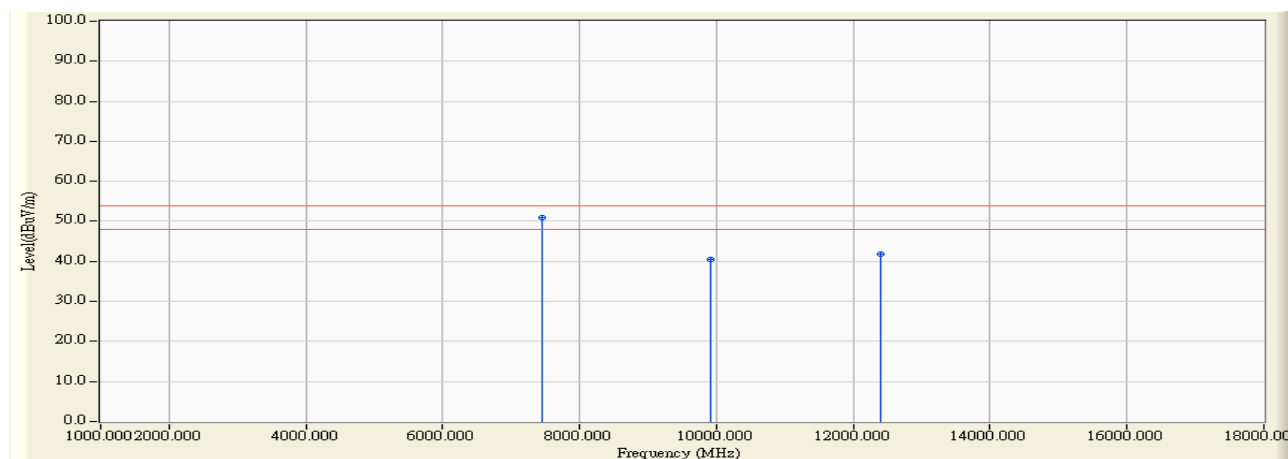


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 4959.807           | 9.065                  | 41.740                  | 50.806                    | -23.194        | 74.000            | PEAK          |
| 2 | * | 7440.687           | 18.381                 | 40.580                  | 58.961                    | -15.039        | 74.000            | PEAK          |
| 3 |   | 9919.632           | 23.615                 | 29.740                  | 53.355                    | -20.645        | 74.000            | PEAK          |
| 4 |   | 12397.587          | 25.645                 | 30.110                  | 55.756                    | -18.244        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

|                                                      |                     |
|------------------------------------------------------|---------------------|
| Site : CB4-H                                         | Time : 2017/09/26   |
| Limit : FCC_SpartC_15.209_03M_AV                     | Margin : 6          |
| Probe : CB4-H_FCC_C_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                              | Note : 3DH5_2480MHz |



|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 7440.687           | 18.381                 | 32.480                  | 50.861                    | -3.139         | 54.000            | AVERAGE       |
| 2 |   | 9919.632           | 23.615                 | 16.840                  | 40.455                    | -13.545        | 54.000            | AVERAGE       |
| 3 |   | 12397.587          | 25.645                 | 16.140                  | 41.786                    | -12.214        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. This Emission test range from 1GHz to 25GHz, but above 13GHz were not included because their levels are too low.

## 5. RF antenna conducted test

### 5.1. Test Equipment

The following test equipment is used during the test:

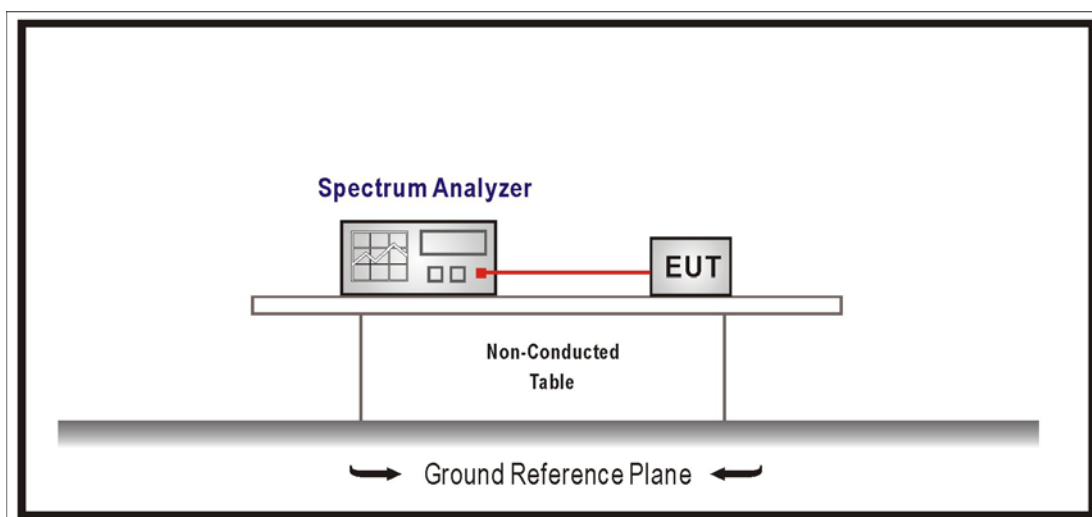
RF antenna conducted test / SR10-H

| Instrument                 | Manufacturer | Model No. | Serial No  | Next Cal. Date |
|----------------------------|--------------|-----------|------------|----------------|
| Signal & Spectrum Analyzer | R&S          | FSV40     | 101049     | 2017/01/23     |
| EXA Signal Analyzer        | Keysight     | N9010A    | MY51440132 | 2017/03/13     |
| Spectrum Analyzer          | Agilent      | N9010A    | US47140172 | 2017/07/26     |

Note: All equipment that need to calibrate are with calibration period of 1 year.

### 5.2. Test Setup

RF Conducted Measurement:



### **5.3. Limits**

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on an RF conducted or radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

### **5.4. Test Procedure**

The EUT was setup according to ANSI C63.10:2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

### **5.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

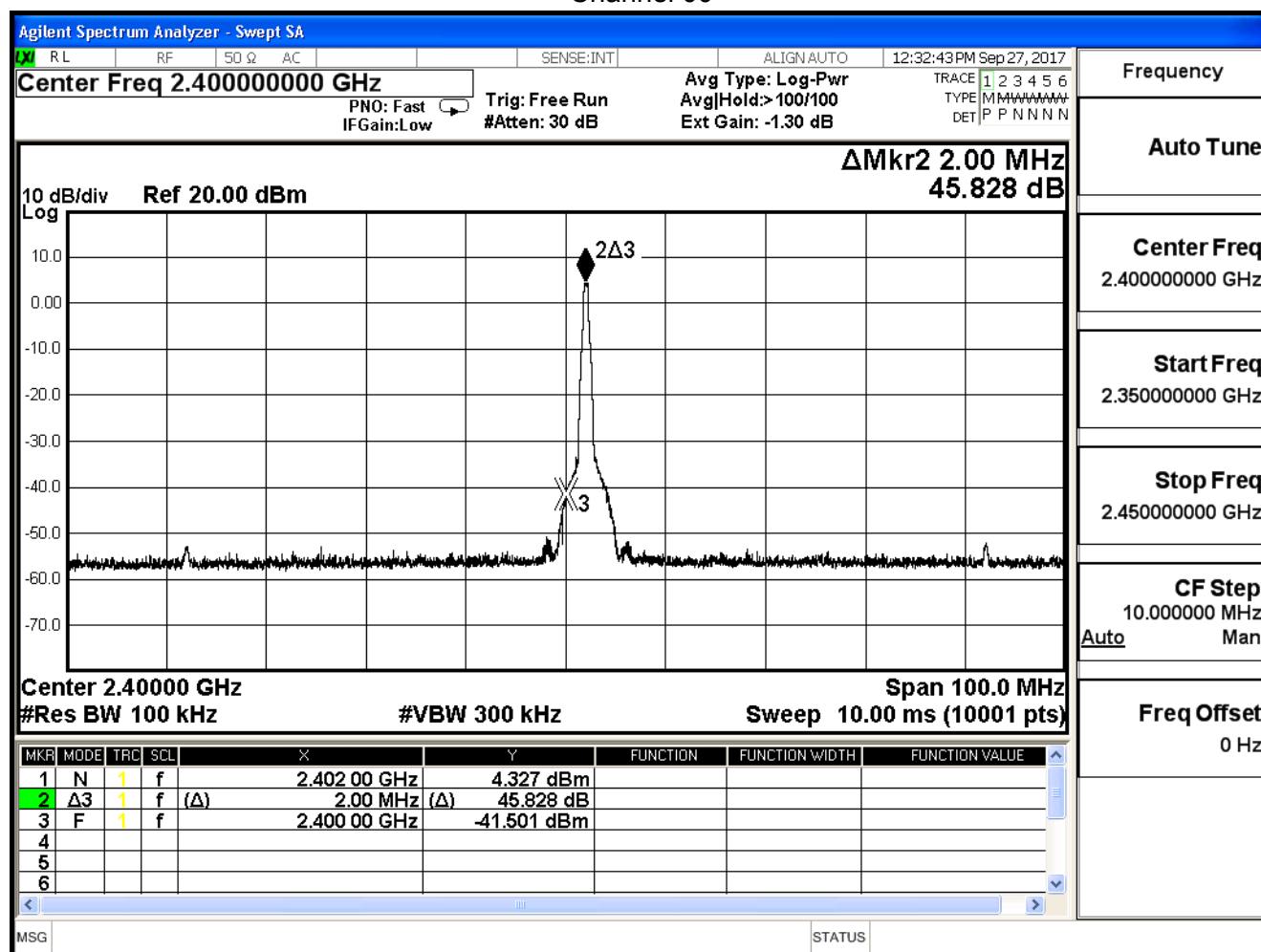
## 5.6. Test Result

|              |                           |           |        |
|--------------|---------------------------|-----------|--------|
| Product      | Multimedia System         |           |        |
| Test Item    | RF antenna conducted test |           |        |
| Test Mode    | Mode 1: Transmit          |           |        |
| Date of Test | 2017/09/27                | Test Site | SR10-H |

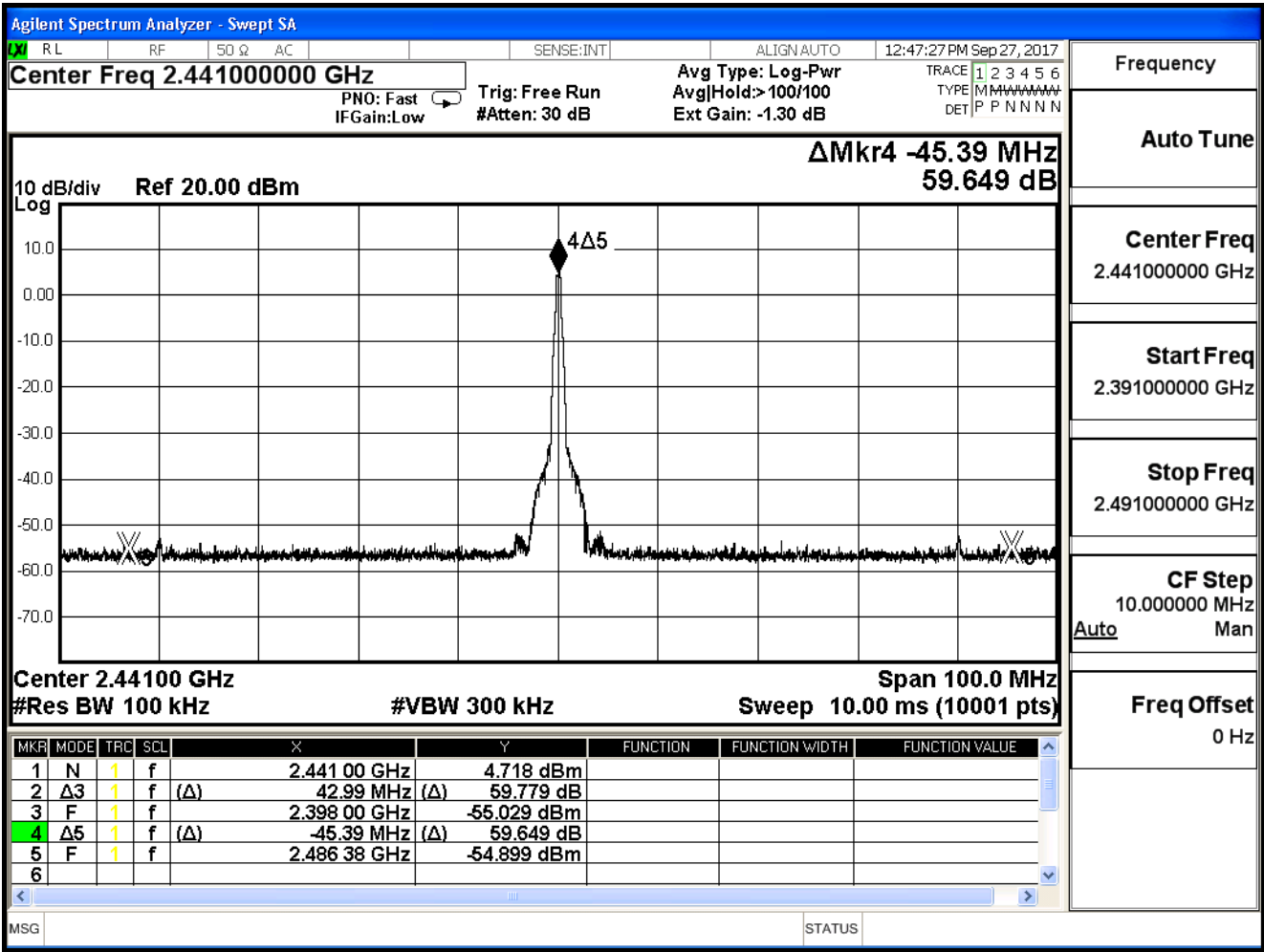
GFSK

| Channel | Frequency (MHz) | Measure Level (dBc) | Limit (dBc) | Result |
|---------|-----------------|---------------------|-------------|--------|
| 00      | 2402            | 45.828              | $\geq 20$   | Pass   |
| 39      | 2441            | 59.649              | $\geq 20$   | Pass   |
| 78      | 2480            | 56.016              | $\geq 20$   | Pass   |

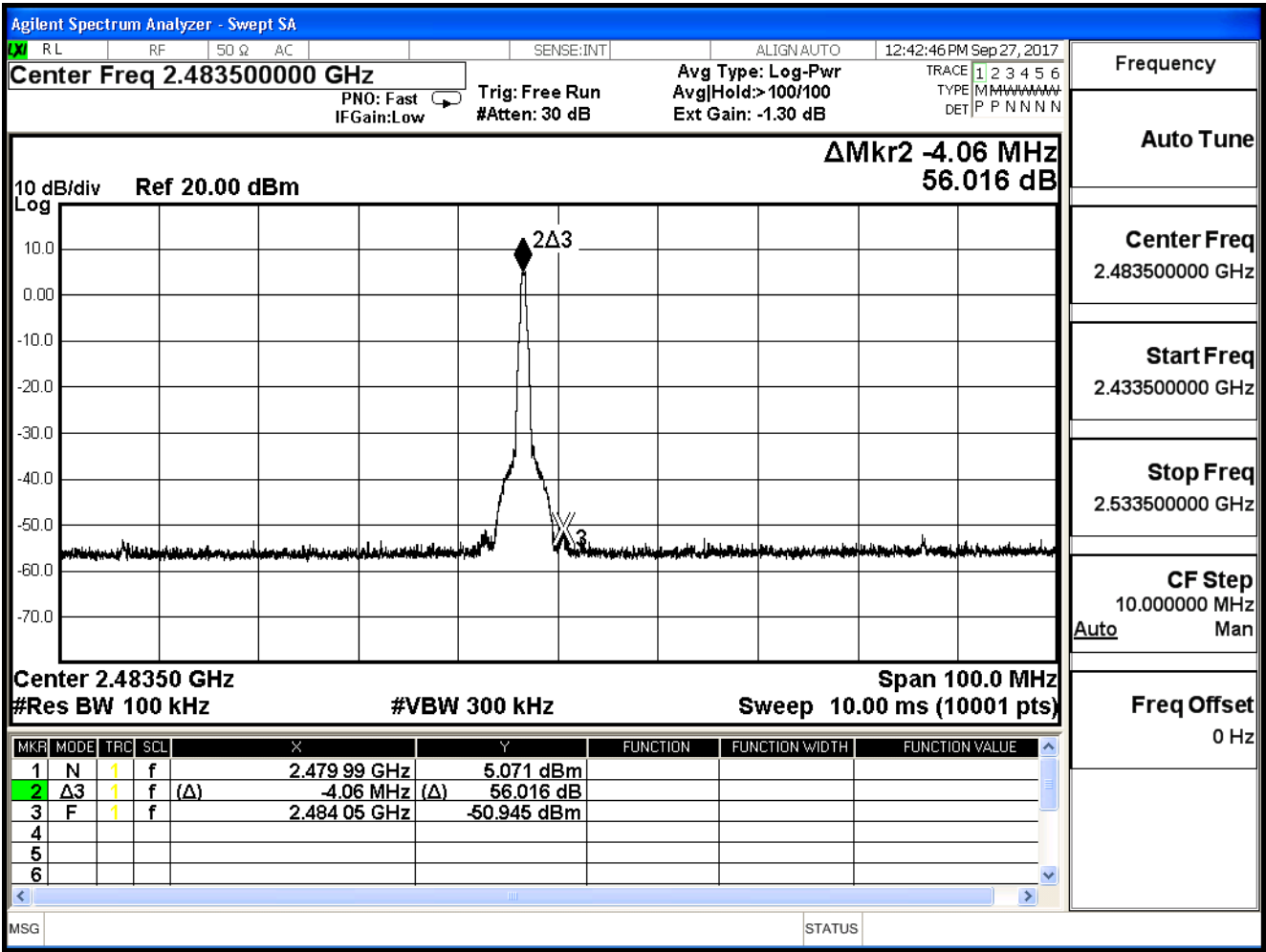
Channel 00



Channel 39



Channel 78

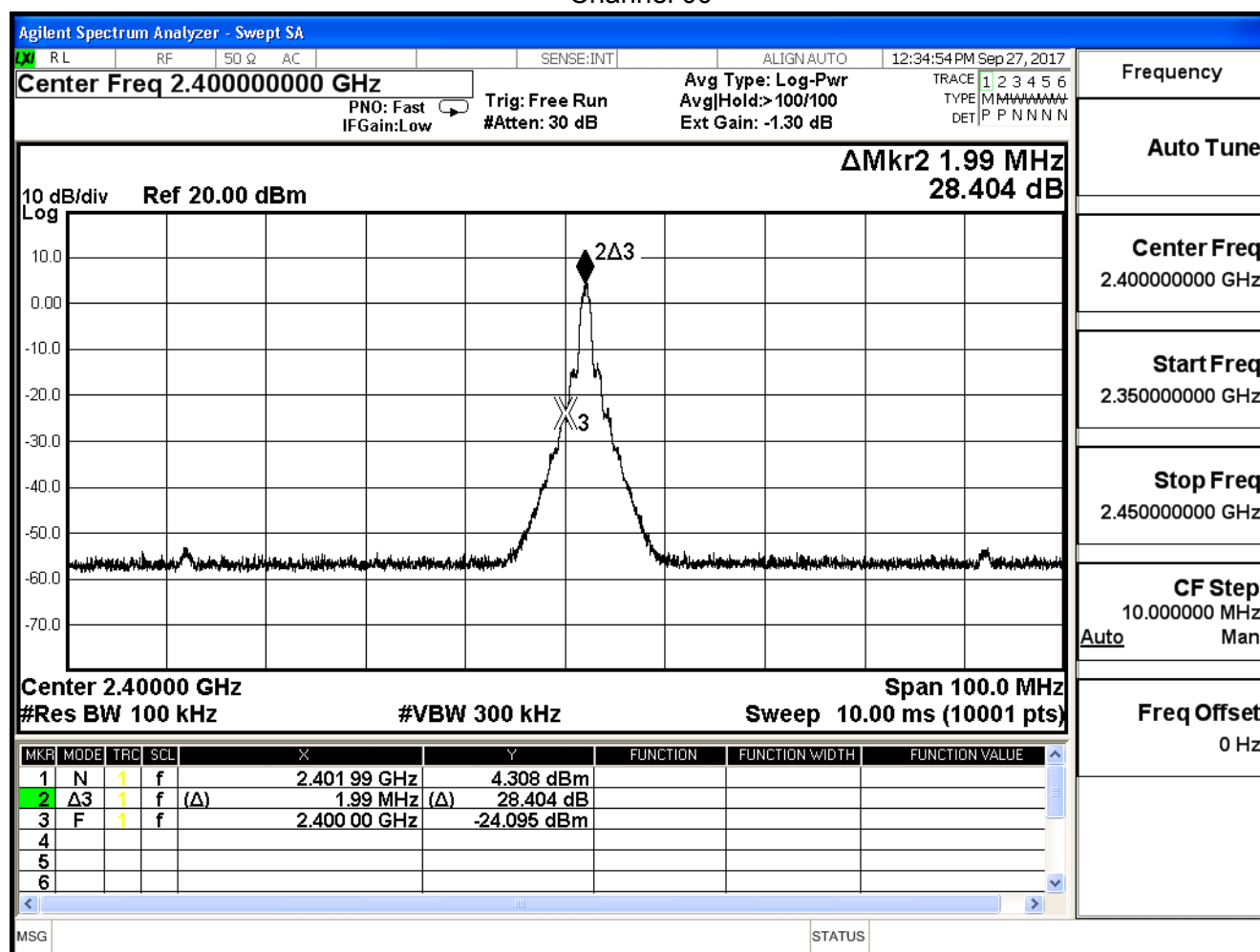


|              |                           |           |        |
|--------------|---------------------------|-----------|--------|
| Product      | Multimedia System         |           |        |
| Test Item    | RF antenna conducted test |           |        |
| Test Mode    | Mode 1: Transmit          |           |        |
| Date of Test | 2017/09/27                | Test Site | SR10-H |

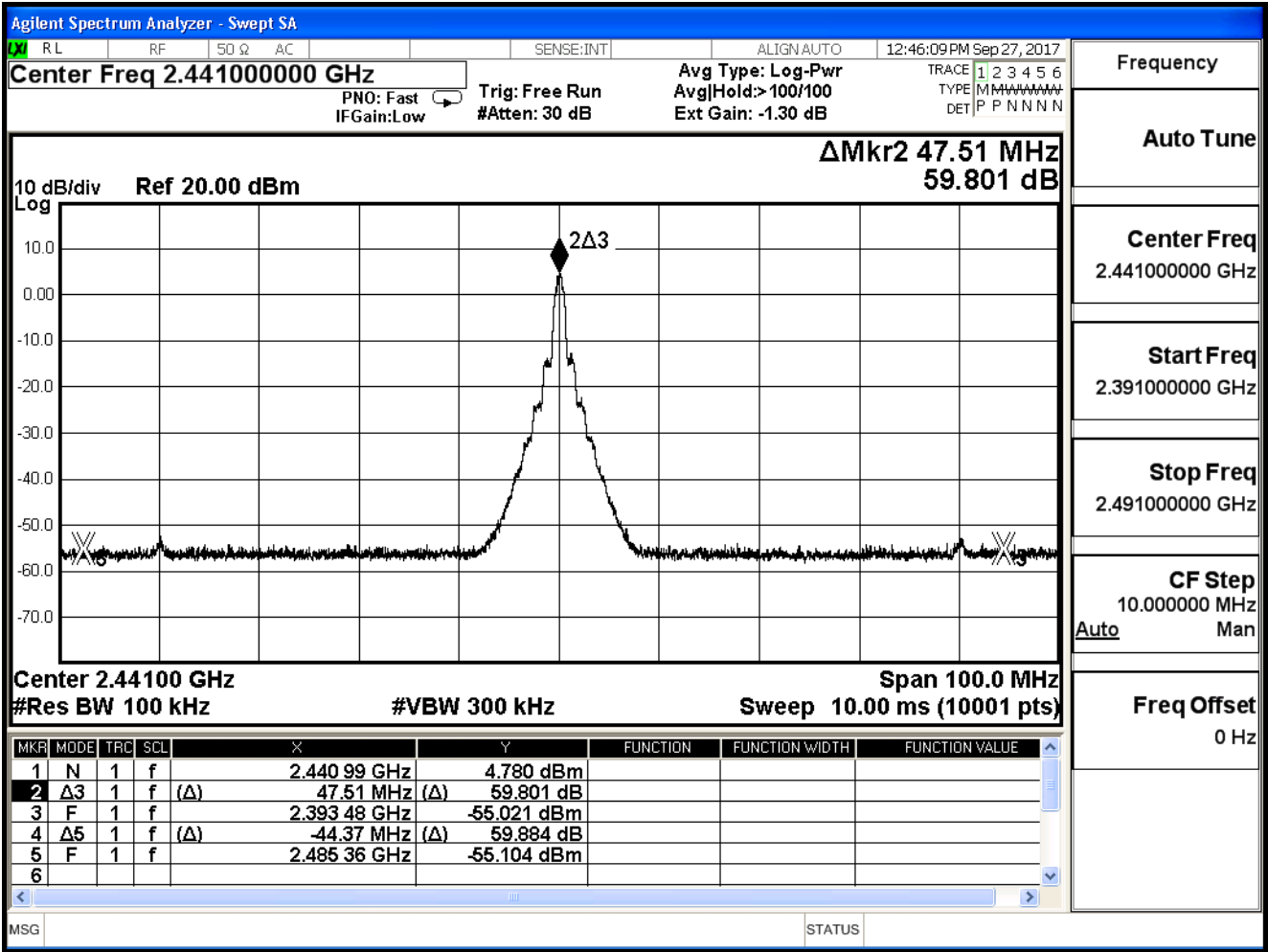
 $\pi/4$ -DQPSK

| Channel | Frequency (MHz) | Measure Level (dBc) | Limit (dBc) | Result |
|---------|-----------------|---------------------|-------------|--------|
| 00      | 2402            | 28.404              | $\geq 20$   | Pass   |
| 39      | 2441            | 59.801              | $\geq 20$   | Pass   |
| 78      | 2480            | 37.985              | $\geq 20$   | Pass   |

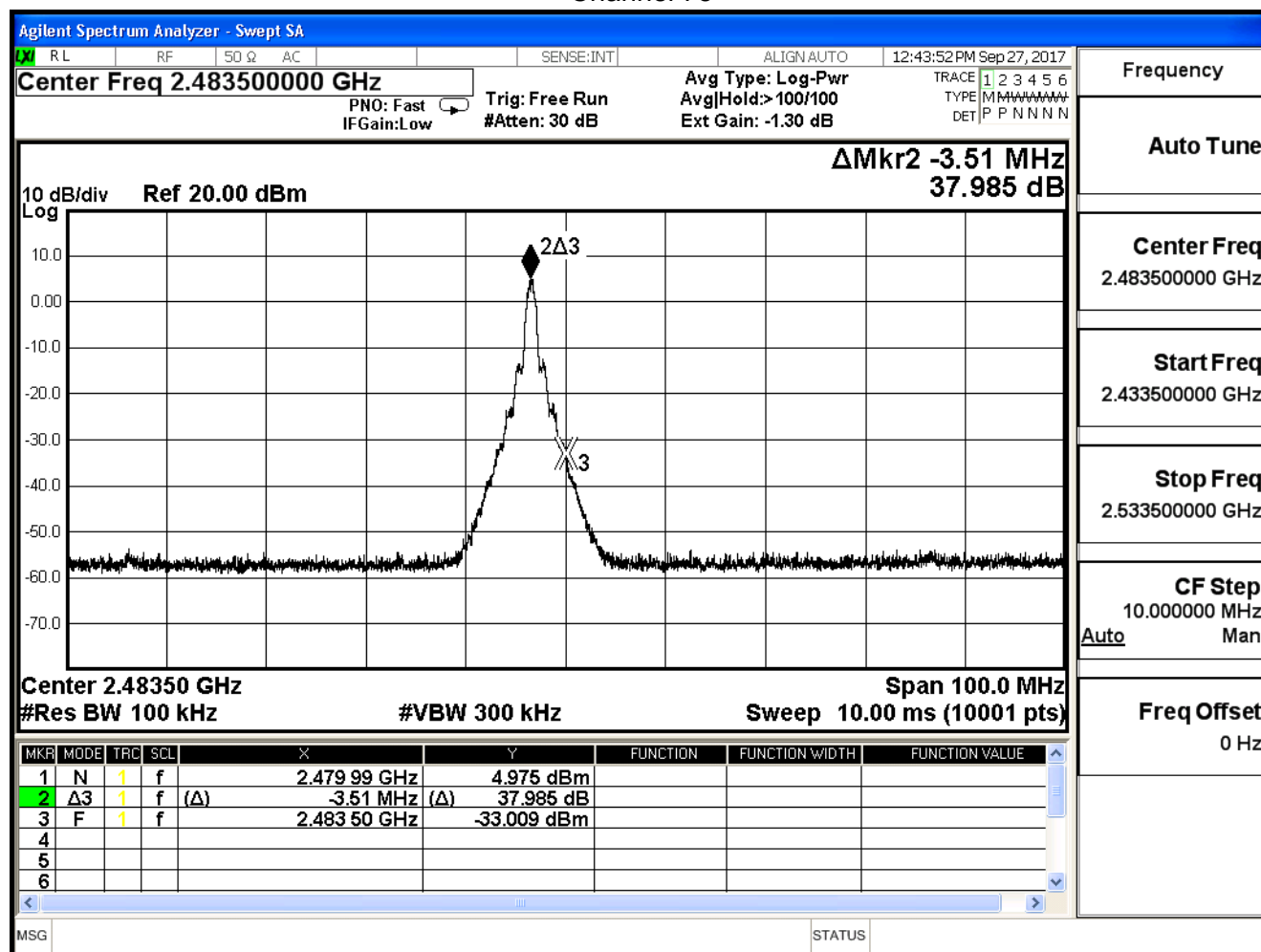
Channel 00



Channel 39



## Channel 78

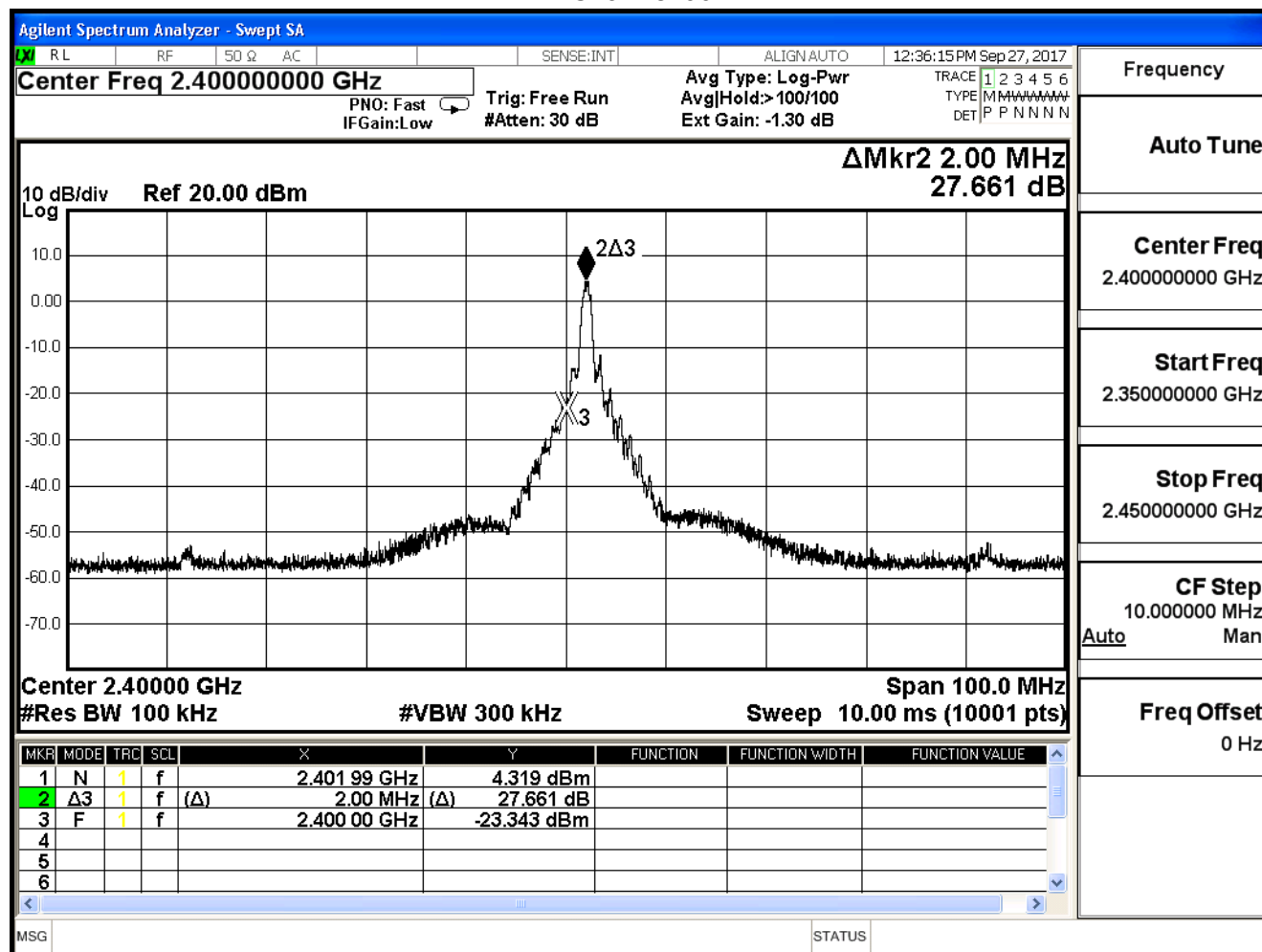


|              |                           |           |        |
|--------------|---------------------------|-----------|--------|
| Product      | Multimedia System         |           |        |
| Test Item    | RF antenna conducted test |           |        |
| Test Mode    | Mode 1: Transmit          |           |        |
| Date of Test | 2017/09/27                | Test Site | SR10-H |

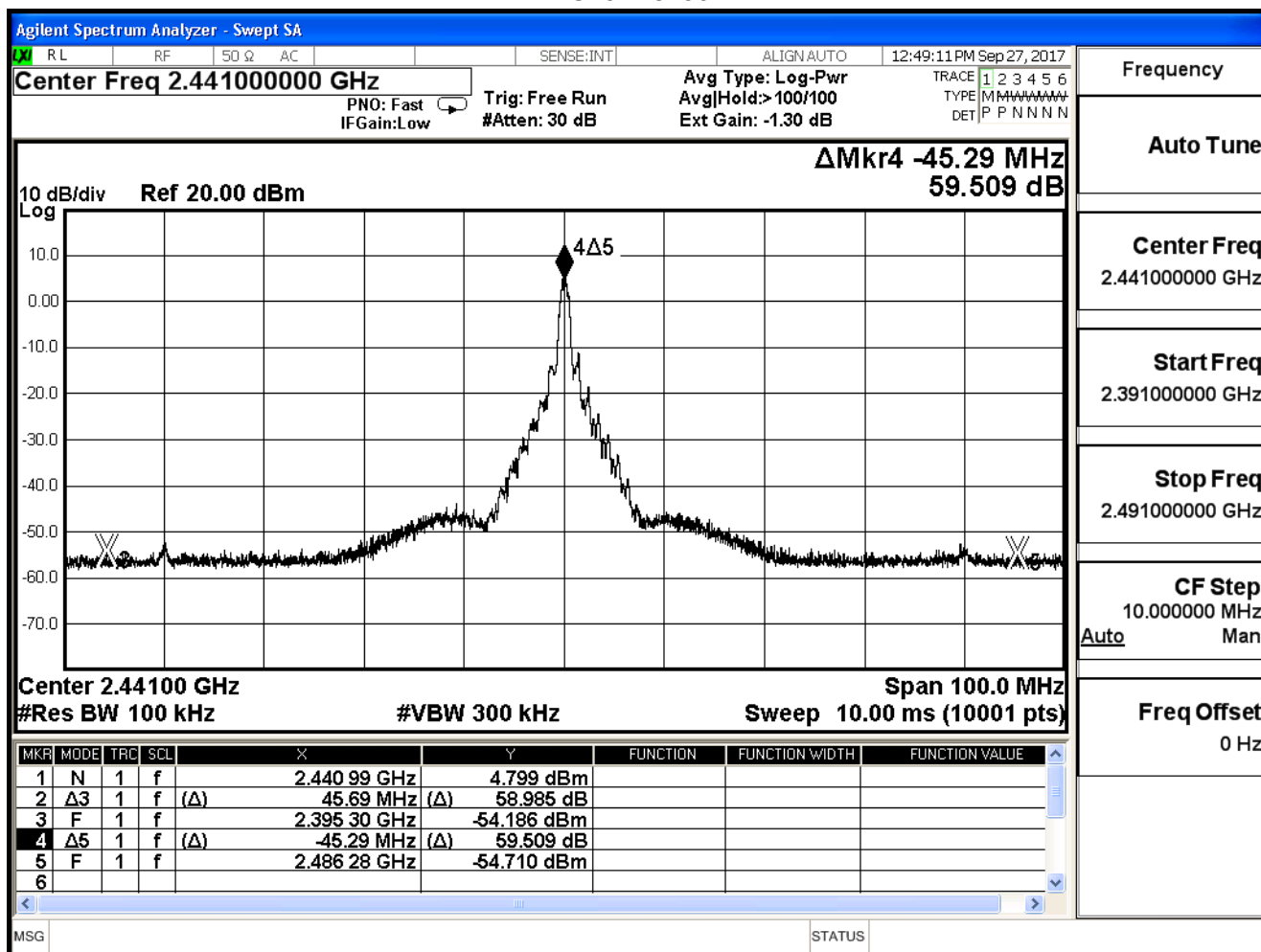
## 8-DPSK

| Channel | Frequency (MHz) | Measure Level (dBc) | Limit (dBc) | Result |
|---------|-----------------|---------------------|-------------|--------|
| 00      | 2402            | 27.661              | $\geq 20$   | Pass   |
| 39      | 2441            | 58.985              | $\geq 20$   | Pass   |
| 78      | 2480            | 31.436              | $\geq 20$   | Pass   |

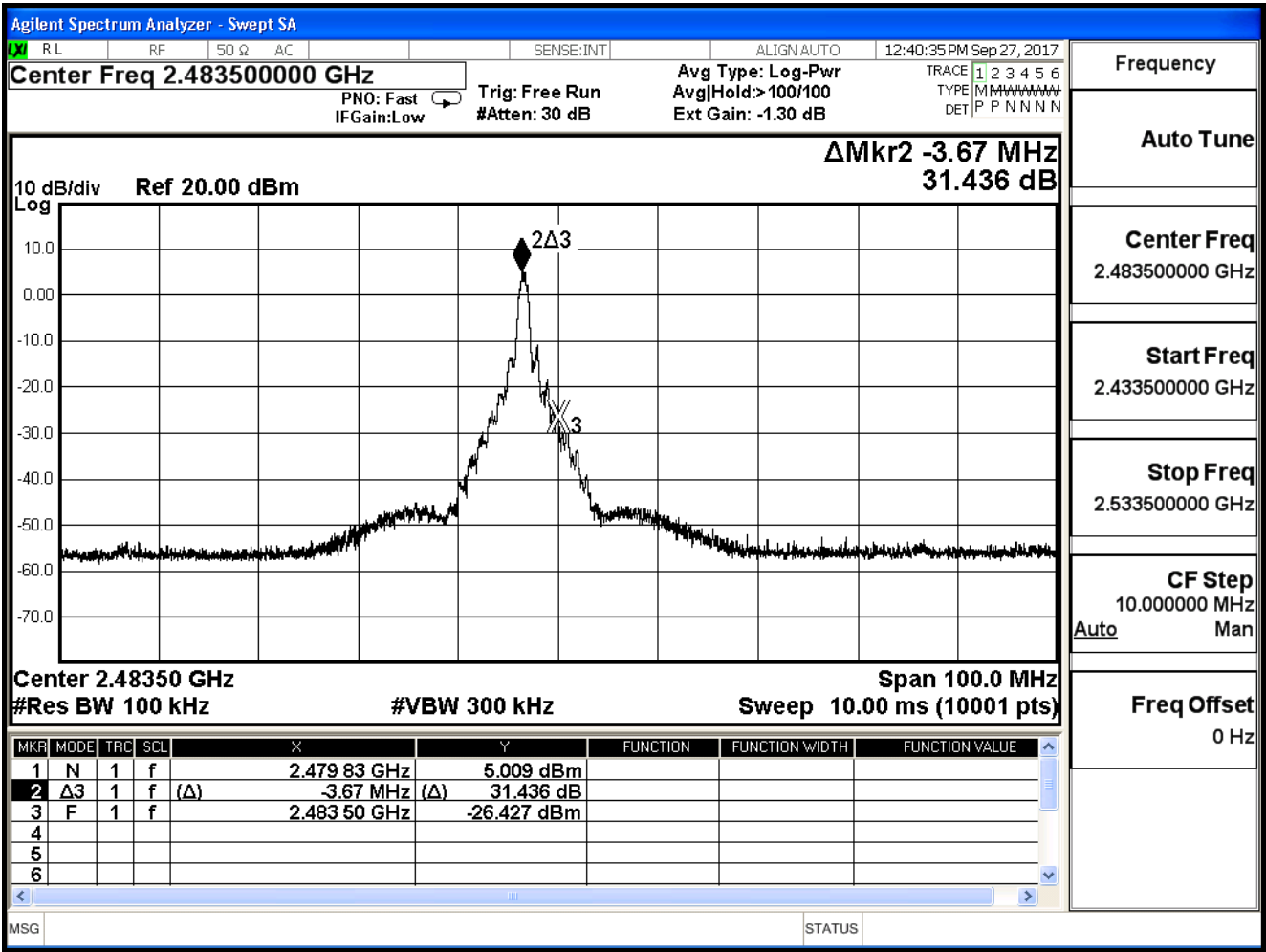
## Channel 00



## Channel 39

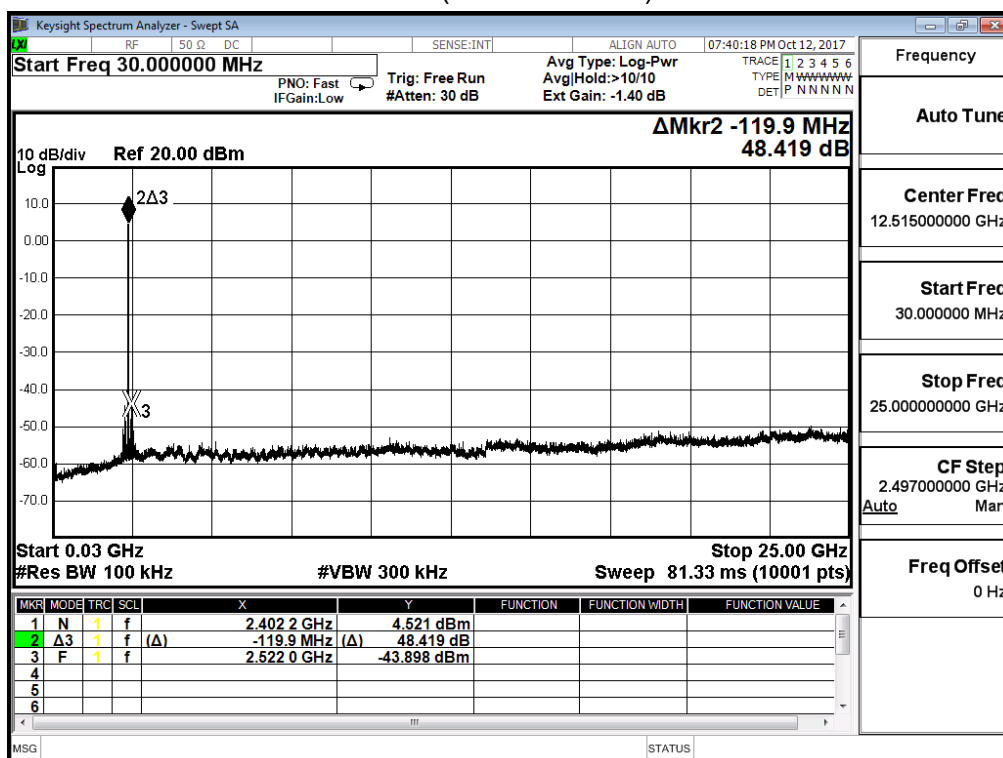


Channel 78

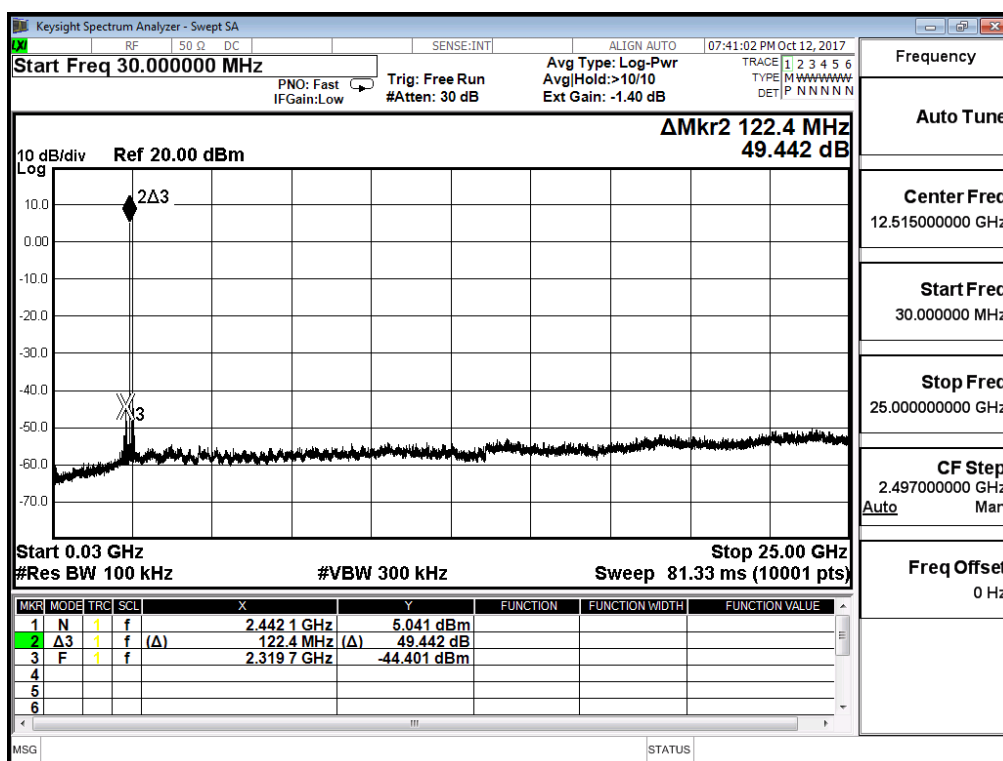


|              |                           |           |        |
|--------------|---------------------------|-----------|--------|
| Product      | Multimedia System         |           |        |
| Test Item    | RF antenna conducted test |           |        |
| Test Mode    | Mode 1: Transmit          |           |        |
| Date of Test | 2017/10/12                | Test Site | SR10-H |

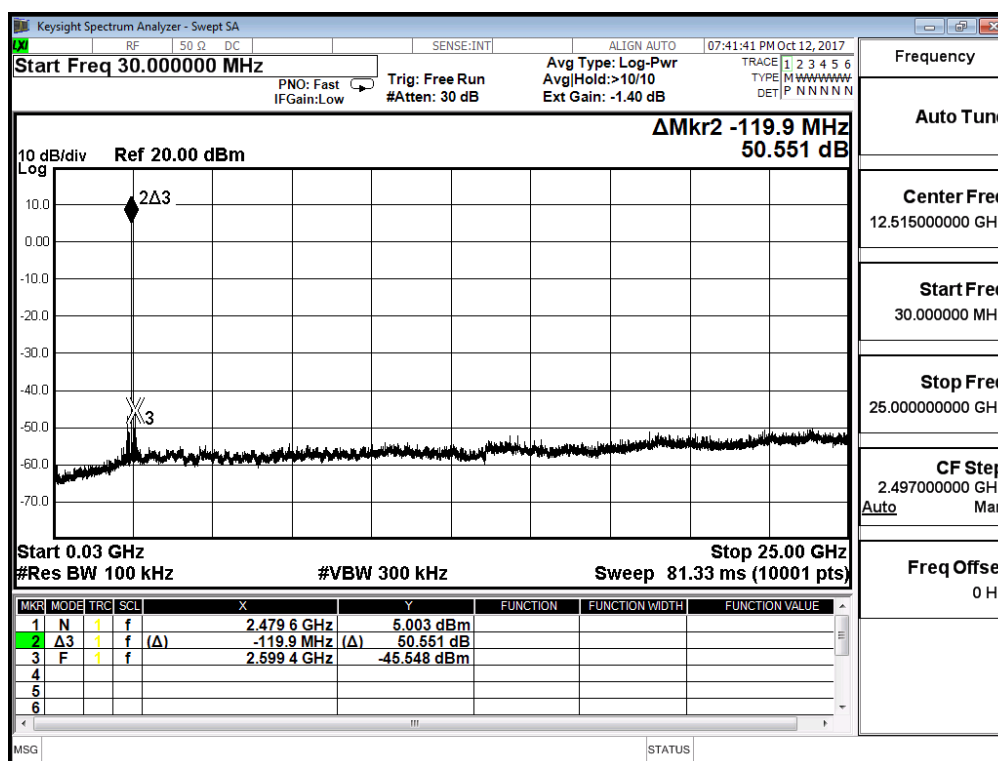
Channel 00 (30MHz-25GHz)- GFSK

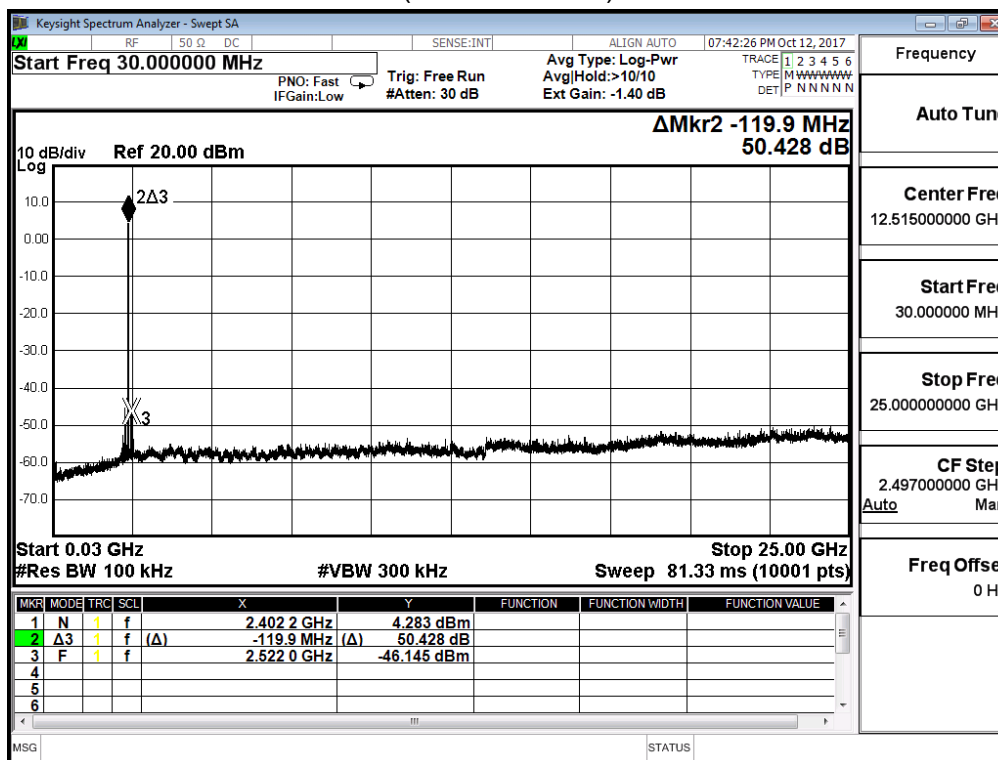
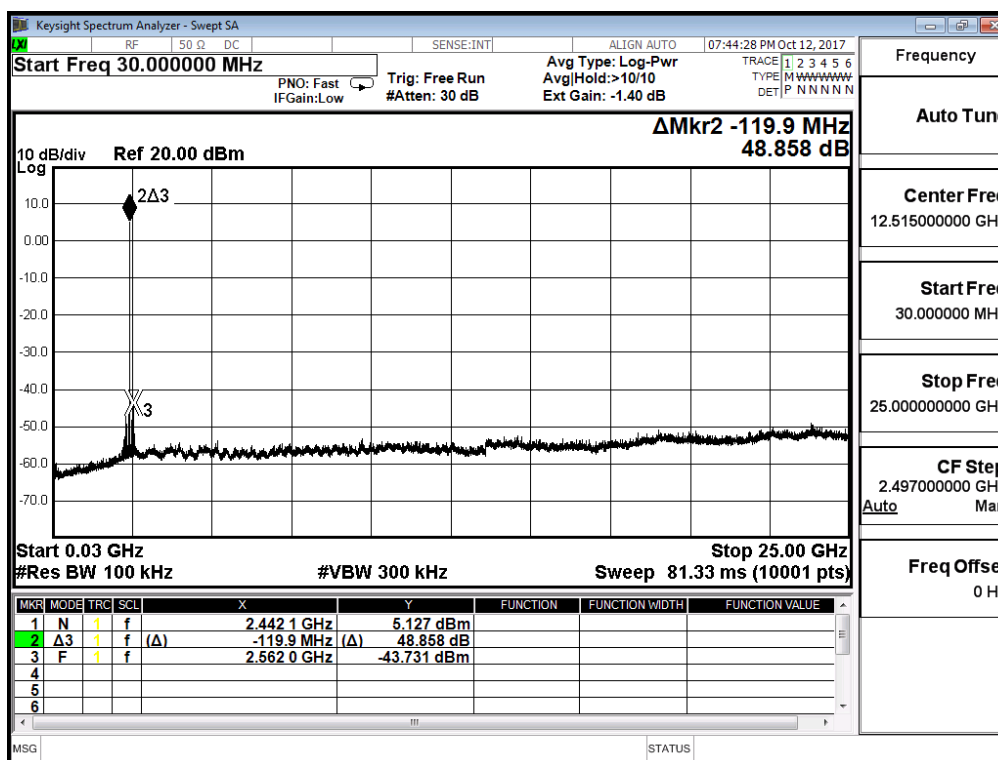


Channel 39 (30MHz-25GHz)- GFSK

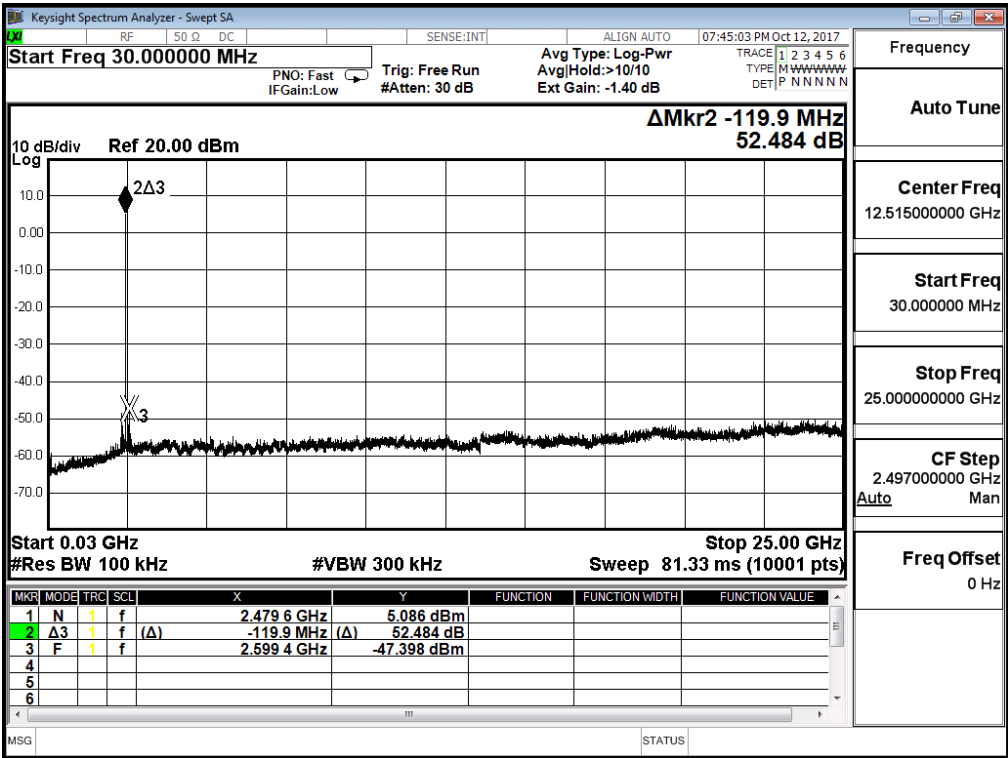


## Channel 78 (30MHz-25GHz)- GFSK

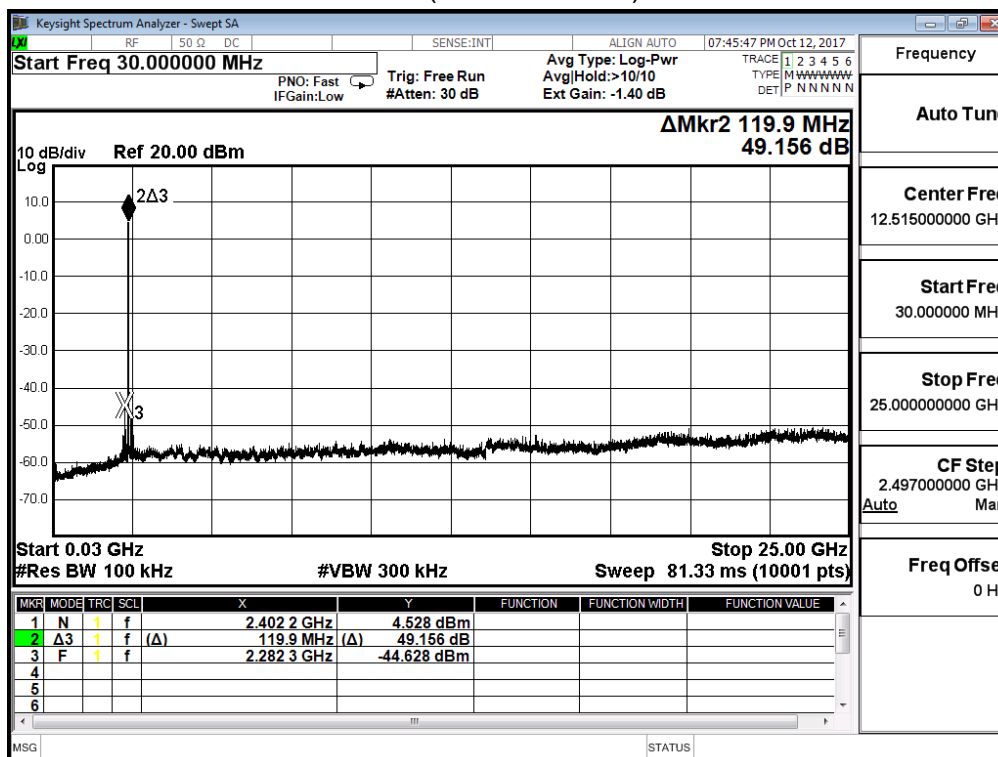


Channel 00 (30MHz-25GHz)-  $\pi/4$ -DQPSKChannel 39 (30MHz-25GHz)-  $\pi/4$ -DQPSK

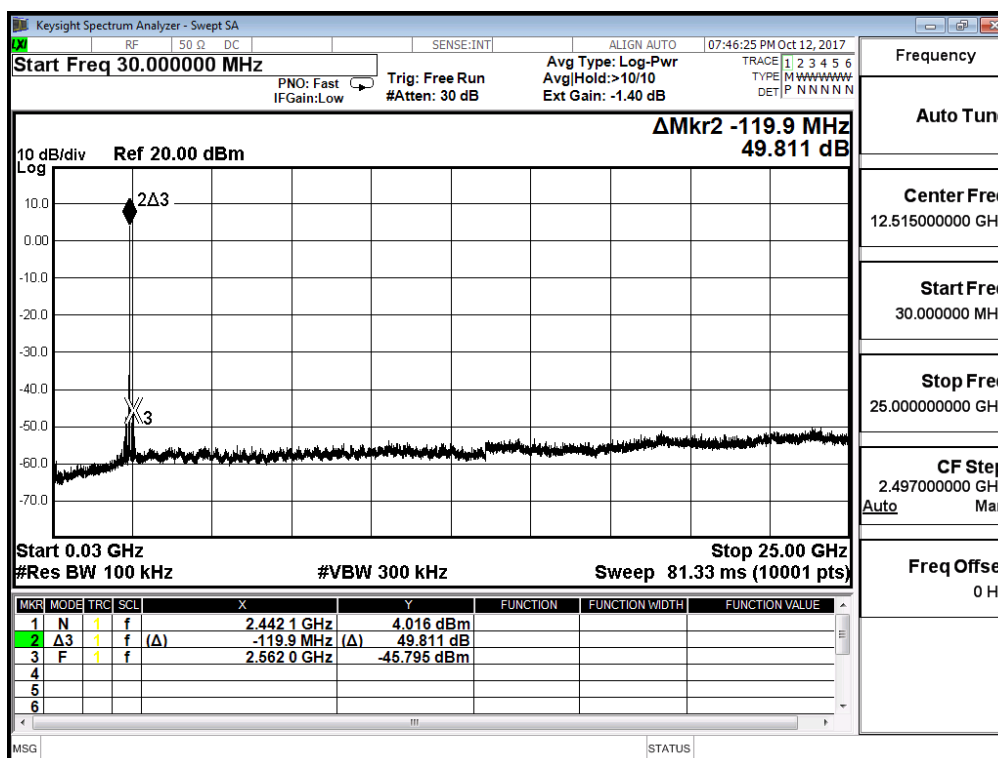
Channel 78 (30MHz-25GHz)-  $\pi/4$ -DQPSK



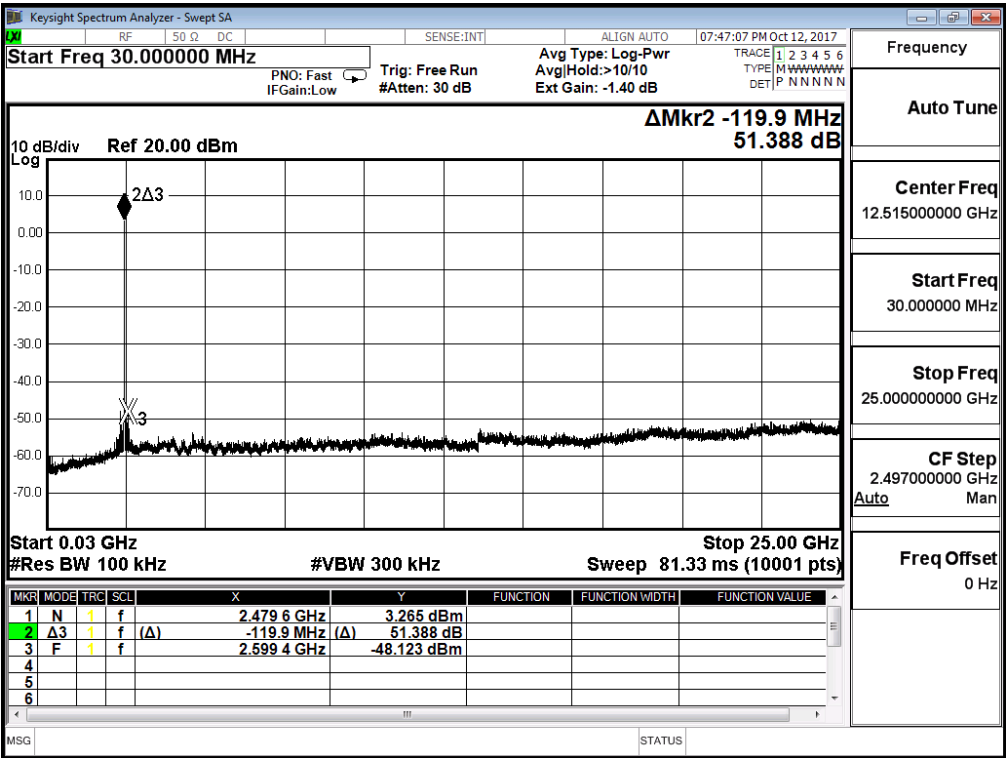
## Channel 00 (30MHz-25GHz)- 8-DPSK



## Channel 39 (30MHz-25GHz)- 8-DPSK



Channel 78 (30MHz-25GHz)- 8-DPSK



## 6. Band Edge

### 6.1. Test Equipment

The following test equipment are used during the test:

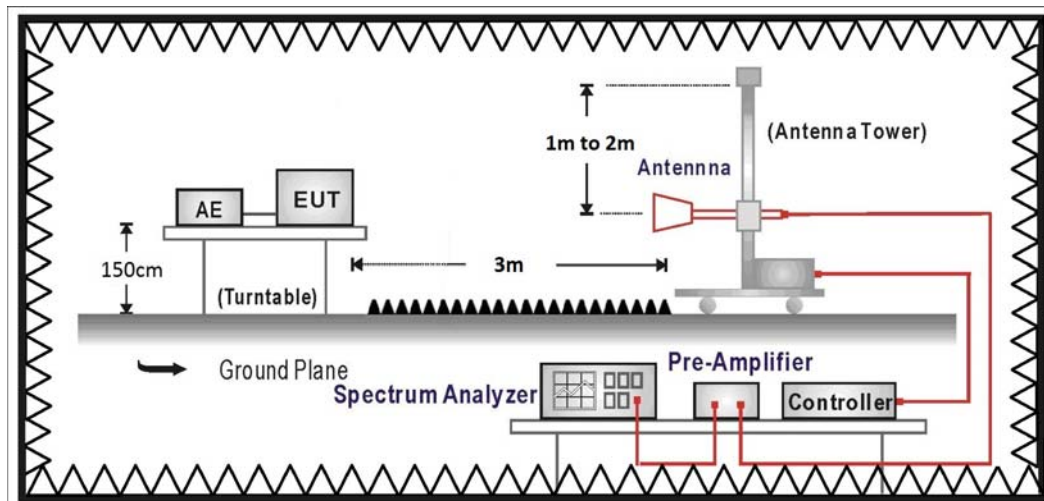
Band Edge / CB4-H

| Instrument                 | Manufacturer | Model No.  | Serial No  | Next Cal. Date |
|----------------------------|--------------|------------|------------|----------------|
| Signal Analyzer            | R&S          | FSVA40     | 101455     | 2016/11/28     |
| Signal & Spectrum Analyzer | R&S          | FSV40      | 101049     | 2017/01/23     |
| EXA Signal Analyzer        | Keysight     | N9010A     | MY51440132 | 2017/03/13     |
| Bilog Antenna              | Teseq        | CBL6112D   | 23191      | 2017/06/28     |
| Horn Antenna               | Schwarzbeck  | BBHA 9120D | 639        | 2017/06/14     |
| Horn Antenna               | Schwarzbeck  | BBHA 9170  | 202        | 2017/02/15     |
| Pre-Amplifier              | RF Bay Inc.  | LNA-1330   | 12162511   | 2017/03/09     |
| Pre-Amplifier              | EMCI         | EMCI 1830I | 980366     | 2017/01/23     |
| Pre-Amplifier              | MITEQ        | JS44-45-8P | 2014754    | 2016/12/26     |

Note: All equipment that need to calibrate are with calibration period of 1 year.

### 6.2. Test Setup

RF Radiated Measurement:



### **6.3. Limits**

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

### **6.4. Test Procedure**

The EUT was setup according to ANSI C63.10:2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

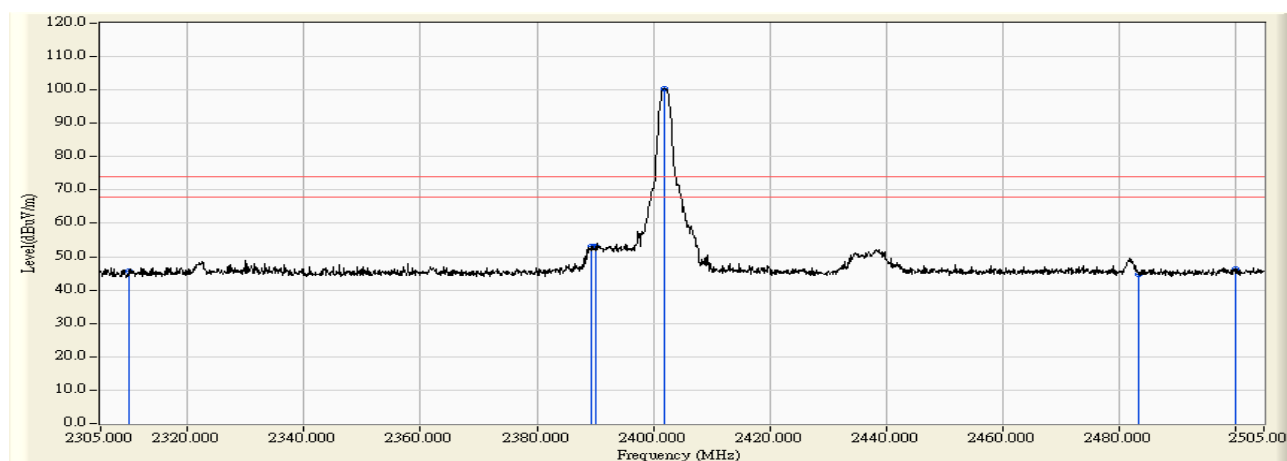
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.

### **6.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

## 6.6. Test Result

|                                                         |                    |
|---------------------------------------------------------|--------------------|
| Site : CB4-H                                            | Time : 2017/09/24  |
| Limit : FCC_SpartC_15.209_03M_PK                        | Margin : 6         |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                                 | Note : DH5_2402MHz |

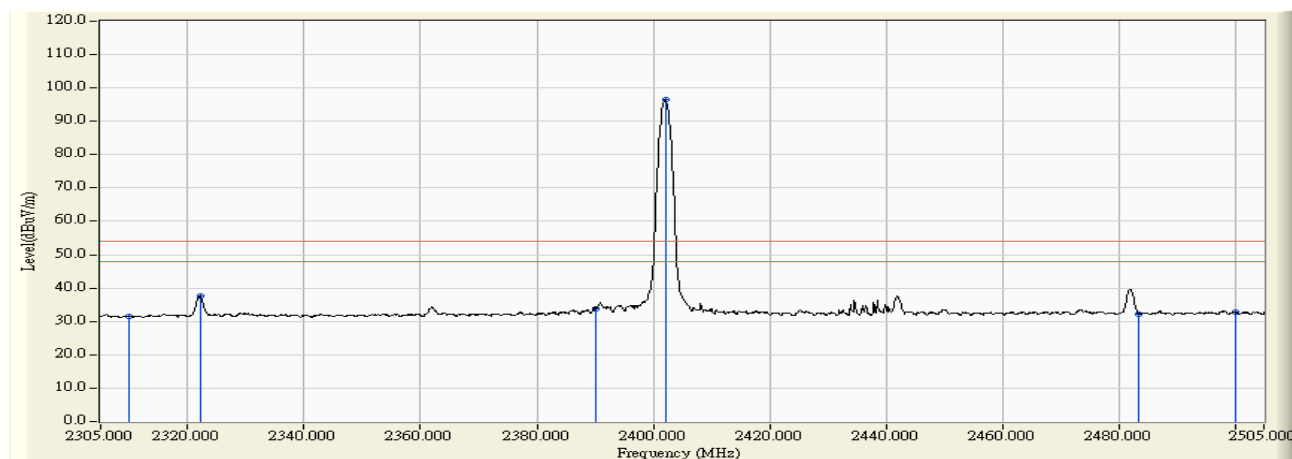


|   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | 2310.000           | 13.428                 | 32.339                  | 45.767                    | -28.233        | 74.000            | PEAK          |
| 2 | 2389.400           | 13.973                 | 38.986                  | 52.959                    | -21.041        | 74.000            | PEAK          |
| 3 | 2390.000           | 13.977                 | 39.257                  | 53.234                    | -20.766        | 74.000            | PEAK          |
| 4 | * 2401.800         | 14.057                 | 86.260                  | 100.318                   | 26.318         | 74.000            | PEAK          |
| 5 | 2483.500           | 14.619                 | 30.160                  | 44.779                    | -29.221        | 74.000            | PEAK          |
| 6 | 2500.000           | 14.728                 | 31.564                  | 46.292                    | -27.708        | 74.000            | PEAK          |

### Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Site : CB4-H                                         | Time : 2017/09/24  |
| Limit : FCC_SpartC_15.209_03M_AV                     | Margin : 6         |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 - HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                              | Note : DH5_2402MHz |

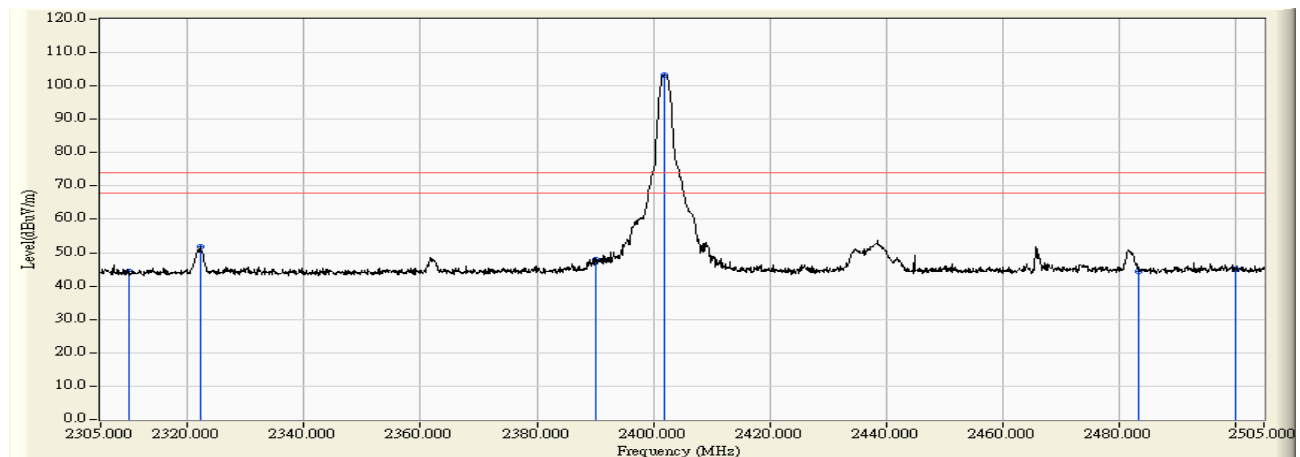


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 18.171                  | 31.599                    | -22.401        | 54.000            | AVERAGE       |
| 2 |   | 2322.100           | 13.512                 | 24.094                  | 37.605                    | -16.395        | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 19.829                  | 33.806                    | -20.194        | 54.000            | AVERAGE       |
| 4 | * | 2402.100           | 14.061                 | 82.345                  | 96.405                    | 42.405         | 54.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 17.543                  | 32.162                    | -21.838        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 18.039                  | 32.767                    | -21.233        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                       |                    |
|-------------------------------------------------------|--------------------|
| Site : CB4-H                                          | Time : 2017/09/24  |
| Limit : FCC_SpartC_15.209_03M_PK                      | Margin : 6         |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                               | Note : DH5_2402MHz |

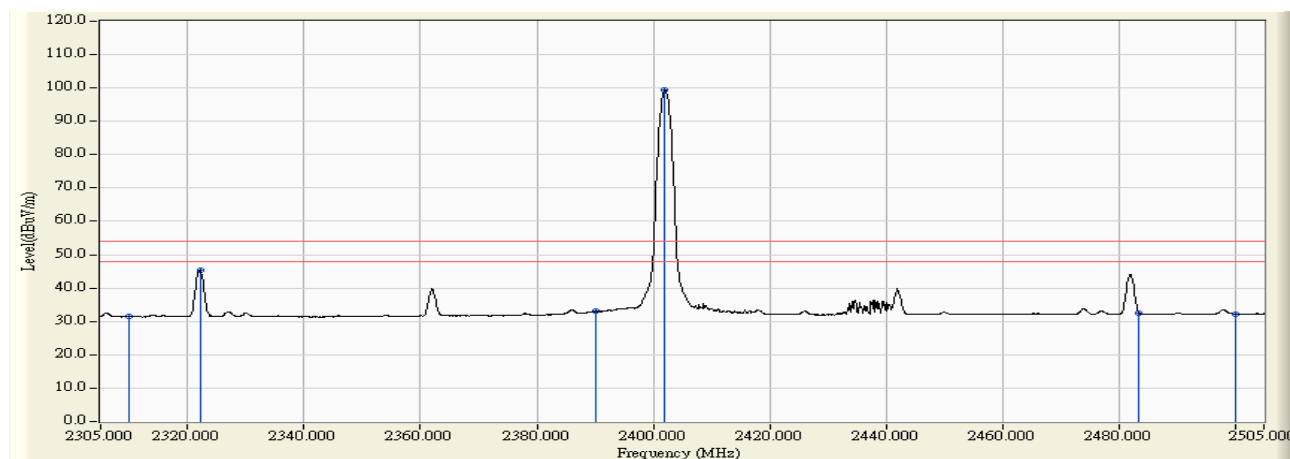


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 30.897                  | 44.325                    | -29.675        | 74.000            | PEAK          |
| 2 |   | 2322.100           | 13.512                 | 38.156                  | 51.667                    | -22.333        | 74.000            | PEAK          |
| 3 |   | 2390.000           | 13.977                 | 33.986                  | 47.963                    | -26.037        | 74.000            | PEAK          |
| 4 | * | 2401.900           | 14.059                 | 89.197                  | 103.256                   | 29.256         | 74.000            | PEAK          |
| 5 |   | 2483.500           | 14.619                 | 29.891                  | 44.510                    | -29.490        | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 30.346                  | 45.074                    | -28.926        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                    |                    |
|----------------------------------------------------|--------------------|
| Site : CB4-H                                       | Time : 2017/09/24  |
| Limit : FCC_SpartC_15.209_03M_AV                   | Margin : 6         |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                            | Note : DH5_2402MHz |

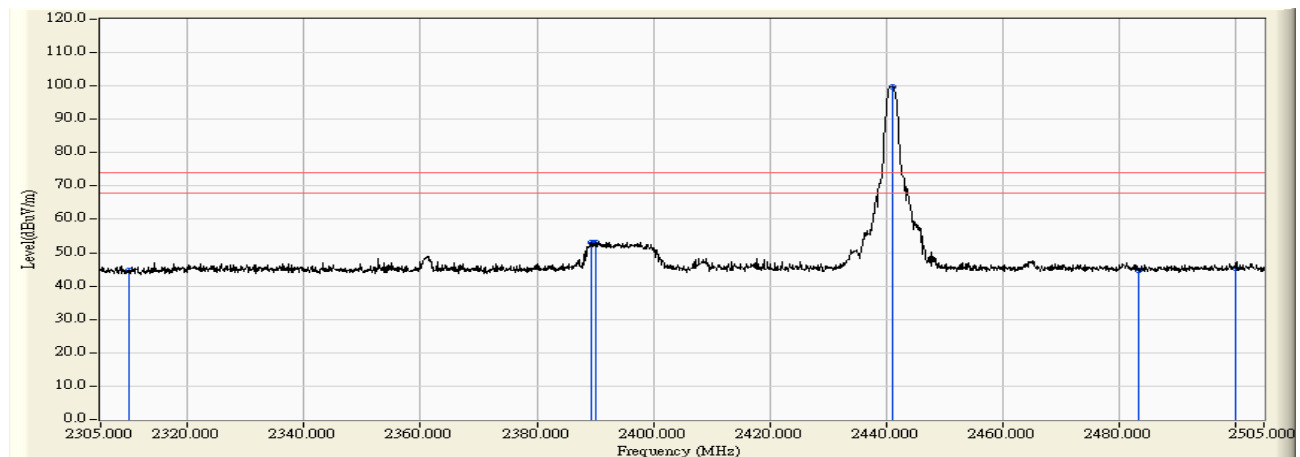


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 18.079                  | 31.507                    | -22.493        | 54.000            | AVERAGE       |
| 2 |   | 2322.100           | 13.512                 | 31.801                  | 45.312                    | -8.688         | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 19.025                  | 33.002                    | -20.998        | 54.000            | AVERAGE       |
| 4 | * | 2402.000           | 14.060                 | 85.351                  | 99.411                    | 45.411         | 54.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 17.926                  | 32.545                    | -21.455        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.580                  | 32.308                    | -21.692        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                    |
|---------------------------------------------------------|--------------------|
| Site : CB4-H                                            | Time : 2017/09/24  |
| Limit : FCC_SpartC_15.209_03M_PK                        | Margin : 6         |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                                 | Note : DH5_2441MHz |



|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 31.371                  | 44.799                    | -29.201        | 74.000            | PEAK          |
| 2 |   | 2389.300           | 13.972                 | 39.270                  | 53.242                    | -20.758        | 74.000            | PEAK          |
| 3 |   | 2390.000           | 13.977                 | 38.999                  | 52.976                    | -21.024        | 74.000            | PEAK          |
| 4 | * | 2441.200           | 14.328                 | 85.377                  | 99.706                    | 25.706         | 74.000            | PEAK          |
| 5 |   | 2483.500           | 14.619                 | 30.137                  | 44.756                    | -29.244        | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 30.537                  | 45.265                    | -28.735        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                    |
|---------------------------------------------------------|--------------------|
| Site : CB4-H                                            | Time : 2017/09/24  |
| Limit : FCC_SpartC_15.209_03M_AV                        | Margin : 6         |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                                 | Note : DH5_2441MHz |

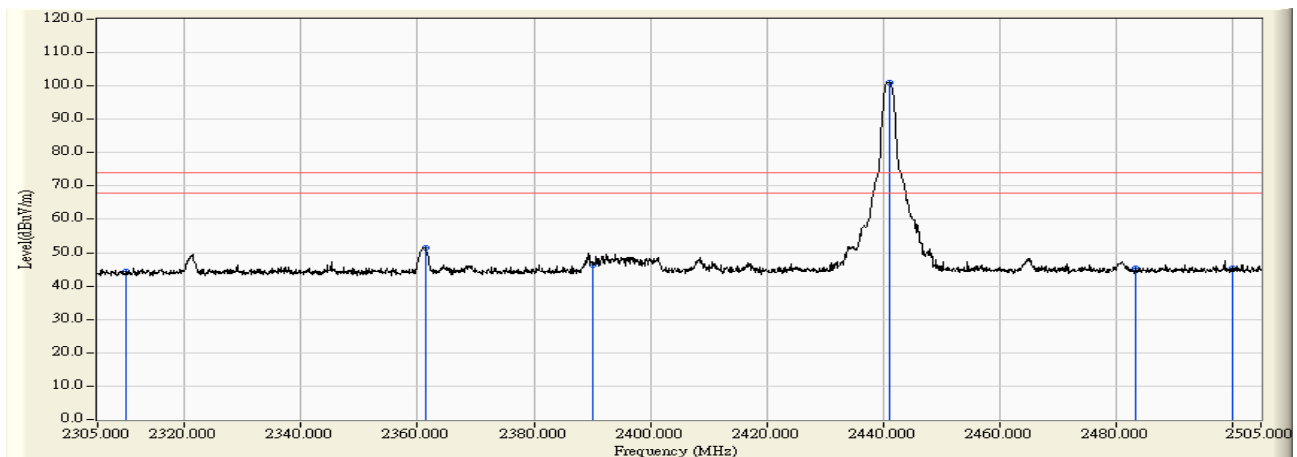


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 18.226                  | 31.654                    | -22.346        | 54.000            | AVERAGE       |
| 2 |   | 2360.900           | 13.778                 | 26.991                  | 40.768                    | -13.232        | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 20.749                  | 34.726                    | -19.274        | 54.000            | AVERAGE       |
| 4 | * | 2441.000           | 14.328                 | 81.456                  | 95.783                    | 41.783         | 54.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 17.924                  | 32.543                    | -21.457        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.977                  | 32.705                    | -21.295        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                    |                    |
|----------------------------------------------------|--------------------|
| Site : CB4-H                                       | Time : 2017/09/24  |
| Limit : FCC_SpartC_15.209_03M_PK                   | Margin : 6         |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                            | Note : DH5_2441MHz |

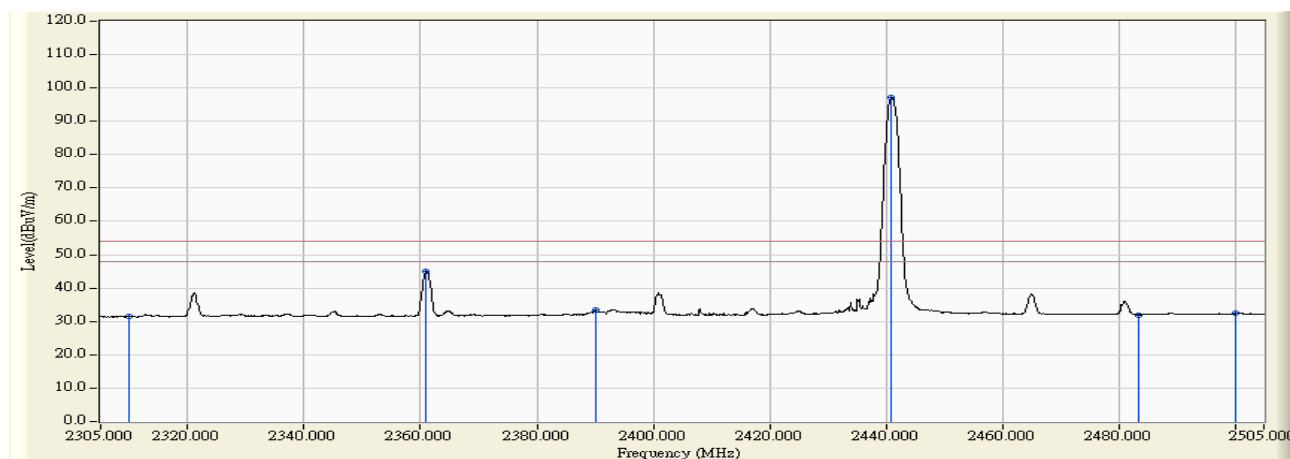


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 30.918                  | 44.346                    | -29.654        | 74.000            | PEAK          |
| 2 |   | 2361.300           | 13.780                 | 37.562                  | 51.342                    | -22.658        | 74.000            | PEAK          |
| 3 |   | 2390.000           | 13.977                 | 32.397                  | 46.374                    | -27.626        | 74.000            | PEAK          |
| 4 | * | 2441.200           | 14.328                 | 86.786                  | 101.115                   | 27.115         | 74.000            | PEAK          |
| 5 |   | 2483.500           | 14.619                 | 30.837                  | 45.456                    | -28.544        | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 30.562                  | 45.290                    | -28.710        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                    |                    |
|----------------------------------------------------|--------------------|
| Site : CB4-H                                       | Time : 2017/09/24  |
| Limit : FCC_SpartC_15.209_03M_AV                   | Margin : 6         |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                            | Note : DH5_2441MHz |

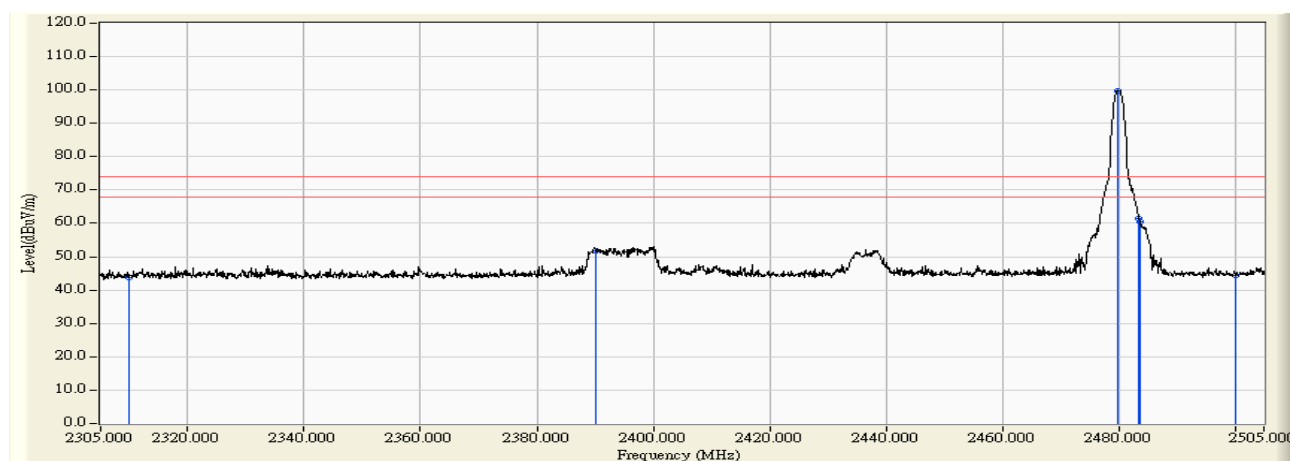


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 18.043                  | 31.471                    | -22.529        | 54.000            | AVERAGE       |
| 2 |   | 2360.900           | 13.778                 | 31.205                  | 44.982                    | -9.018         | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 19.396                  | 33.373                    | -20.627        | 54.000            | AVERAGE       |
| 4 | * | 2441.000           | 14.328                 | 82.973                  | 97.300                    | 43.300         | 54.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 17.359                  | 31.978                    | -22.022        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.617                  | 32.345                    | -21.655        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                    |
|---------------------------------------------------------|--------------------|
| Site : CB4-H                                            | Time : 2017/09/24  |
| Limit : FCC_SpartC_15.209_03M_PK                        | Margin : 6         |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                                 | Note : DH5_2480MHz |

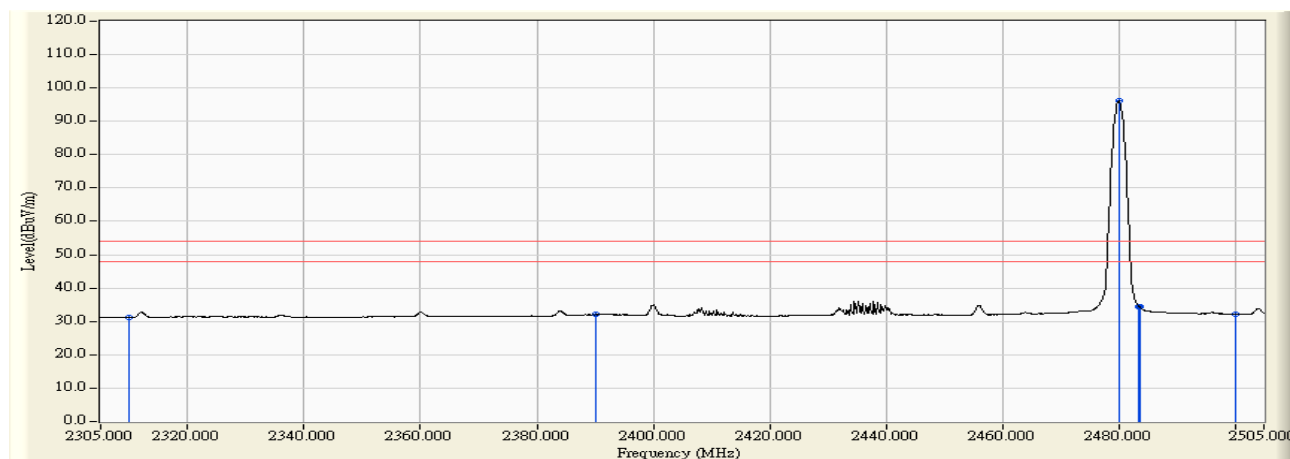


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 30.166                  | 43.594                    | -30.406        | 74.000            | PEAK          |
| 2 |   | 2390.000           | 13.977                 | 37.830                  | 51.807                    | -22.193        | 74.000            | PEAK          |
| 3 | * | 2479.900           | 14.595                 | 85.264                  | 99.858                    | 25.858         | 74.000            | PEAK          |
| 4 |   | 2483.500           | 14.619                 | 46.884                  | 61.503                    | -12.497        | 74.000            | PEAK          |
| 5 |   | 2483.600           | 14.619                 | 45.729                  | 60.349                    | -13.651        | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 29.640                  | 44.368                    | -29.632        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                    |
|---------------------------------------------------------|--------------------|
| Site : CB4-H                                            | Time : 2017/09/24  |
| Limit : FCC_SpartC_15.209_03M_AV                        | Margin : 6         |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V     |
| EUT : Multimedia System                                 | Note : DH5_2480MHz |

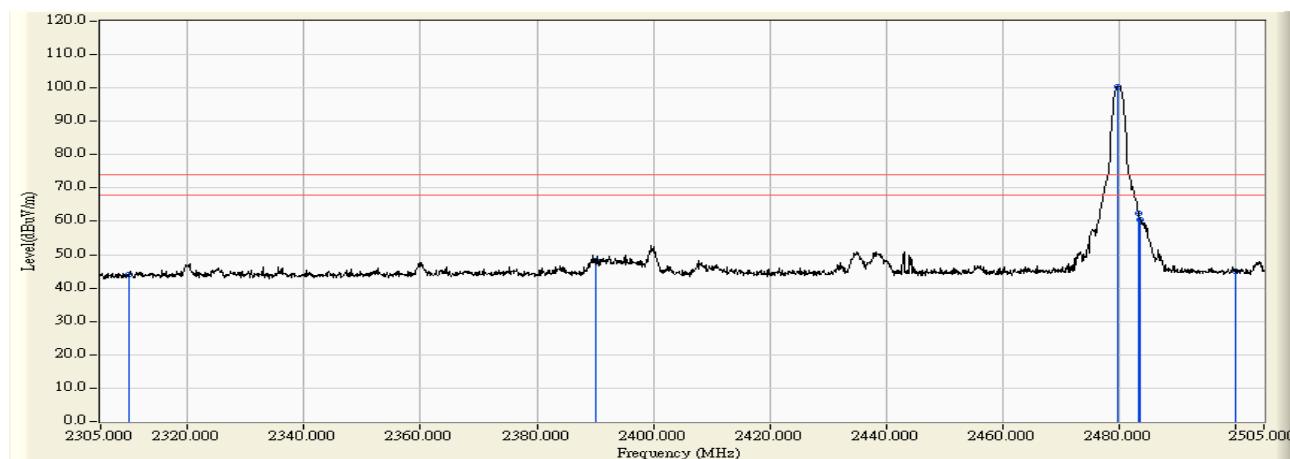


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 17.836                  | 31.264                    | -22.736        | 54.000            | AVERAGE       |
| 2 |   | 2390.000           | 13.977                 | 18.055                  | 32.032                    | -21.968        | 54.000            | AVERAGE       |
| 3 | * | 2480.100           | 14.595                 | 81.473                  | 96.069                    | 42.069         | 54.000            | AVERAGE       |
| 4 |   | 2483.500           | 14.619                 | 19.939                  | 34.558                    | -19.442        | 54.000            | AVERAGE       |
| 5 |   | 2483.600           | 14.619                 | 19.709                  | 34.329                    | -19.671        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.491                  | 32.219                    | -21.781        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                    |                    |
|----------------------------------------------------|--------------------|
| Site : CB4-H                                       | Time : 2017/09/24  |
| Limit : FCC_SpartC_15.209_03M_PK                   | Margin : 6         |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                            | Note : DH5_2480MHz |

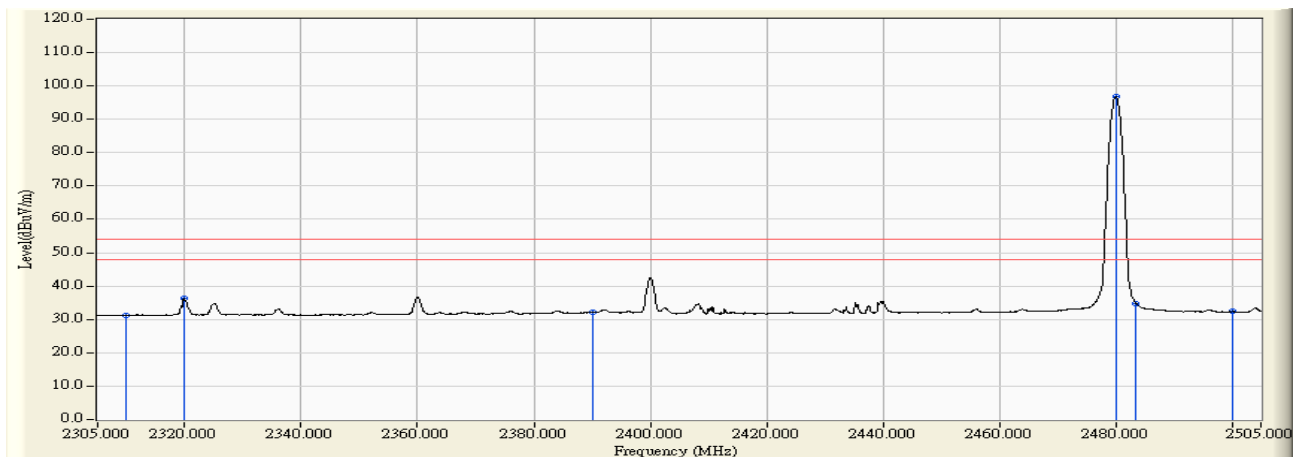


|   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | 2310.000           | 13.428                 | 30.709                  | 44.137                    | -29.863        | 74.000            | PEAK          |
| 2 | 2390.000           | 13.977                 | 34.263                  | 48.240                    | -25.760        | 74.000            | PEAK          |
| 3 | * 2479.800         | 14.594                 | 85.892                  | 100.485                   | 26.485         | 74.000            | PEAK          |
| 4 | 2483.500           | 14.619                 | 47.748                  | 62.367                    | -11.633        | 74.000            | PEAK          |
| 5 | 2483.600           | 14.619                 | 45.706                  | 60.326                    | -13.674        | 74.000            | PEAK          |
| 6 | 2500.000           | 14.728                 | 30.359                  | 45.087                    | -28.913        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                       |                    |
|-------------------------------------------------------|--------------------|
| Site : CB4-H                                          | Time : 2017/09/24  |
| Limit : FCC_SpartC_15.209_03M_AV                      | Margin : 6         |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>VERTICAL | Power : DC 12V     |
| EUT : Multimedia System                               | Note : DH5_2480MHz |

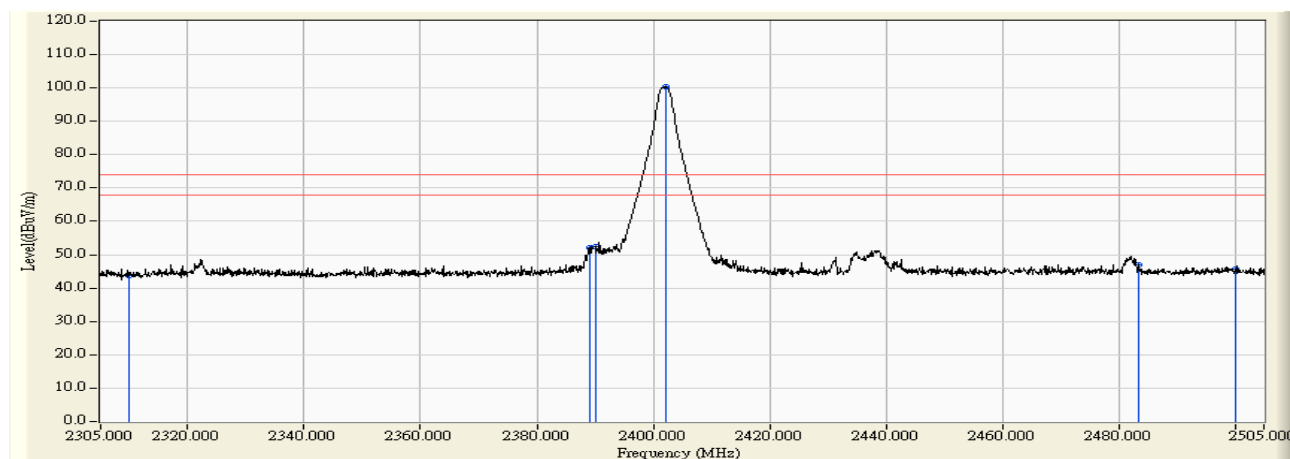


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 17.784                  | 31.212                    | -22.788        | 54.000            | AVERAGE       |
| 2 |   | 2319.800           | 13.495                 | 22.775                  | 36.270                    | -17.730        | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 18.282                  | 32.259                    | -21.741        | 54.000            | AVERAGE       |
| 4 | * | 2480.000           | 14.595                 | 82.246                  | 96.841                    | 42.841         | 54.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 20.287                  | 34.906                    | -19.094        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.605                  | 32.333                    | -21.667        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                        | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 2DH5_2402MHz |

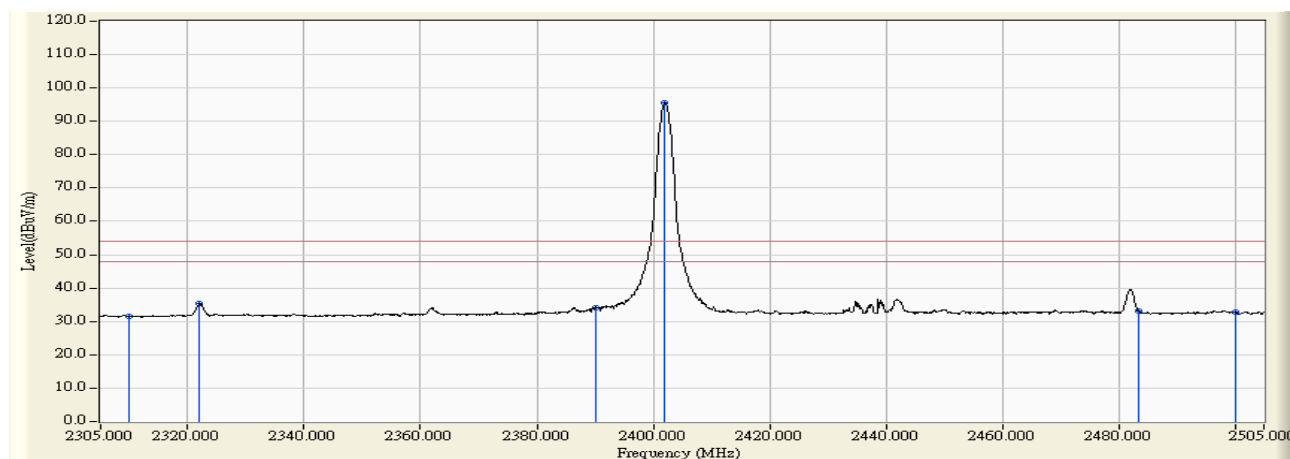


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 30.227                  | 43.655                    | -30.345        | 74.000            | PEAK          |
| 2 |   | 2389.000           | 13.970                 | 38.289                  | 52.259                    | -21.741        | 74.000            | PEAK          |
| 3 |   | 2390.000           | 13.977                 | 38.384                  | 52.361                    | -21.639        | 74.000            | PEAK          |
| 4 | * | 2402.100           | 14.061                 | 86.200                  | 100.260                   | 26.260         | 74.000            | PEAK          |
| 5 |   | 2483.500           | 14.619                 | 32.446                  | 47.065                    | -26.935        | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 30.863                  | 45.591                    | -28.409        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_AV                        | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 2DH5_2402MHz |

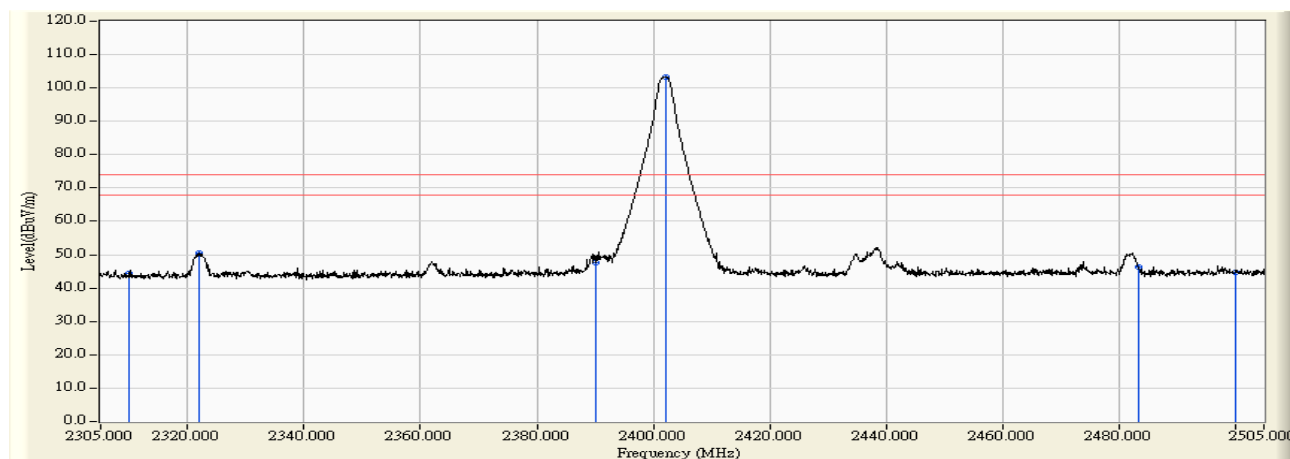


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 18.103                  | 31.531                    | -22.469        | 54.000            | AVERAGE       |
| 2 |   | 2321.900           | 13.509                 | 21.793                  | 35.303                    | -18.697        | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 20.149                  | 34.126                    | -19.874        | 54.000            | AVERAGE       |
| 4 | * | 2402.000           | 14.060                 | 81.601                  | 95.661                    | 41.661         | 54.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 18.417                  | 33.036                    | -20.964        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.949                  | 32.677                    | -21.323        | 54.000            | AVERAGE       |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                       |                     |
|-------------------------------------------------------|---------------------|
| Site : CB4-H                                          | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                      | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                               | Note : 2DH5_2402MHz |

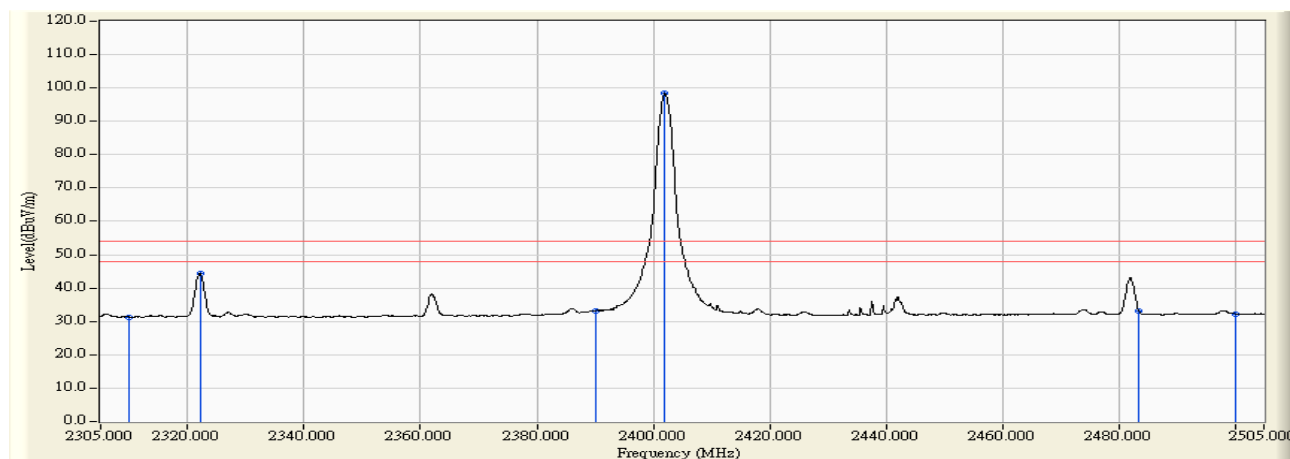


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 31.037                  | 44.465                    | -29.535        | 74.000            | PEAK          |
| 2 |   | 2321.900           | 13.509                 | 36.958                  | 50.468                    | -23.532        | 74.000            | PEAK          |
| 3 |   | 2390.000           | 13.977                 | 33.507                  | 47.484                    | -26.516        | 74.000            | PEAK          |
| 4 | * | 2402.200           | 14.061                 | 89.197                  | 103.258                   | 29.258         | 74.000            | PEAK          |
| 5 |   | 2483.500           | 14.619                 | 31.632                  | 46.251                    | -27.749        | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 29.907                  | 44.635                    | -29.365        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                    |                     |
|----------------------------------------------------|---------------------|
| Site : CB4-H                                       | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_AV                   | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                            | Note : 2DH5_2402MHz |

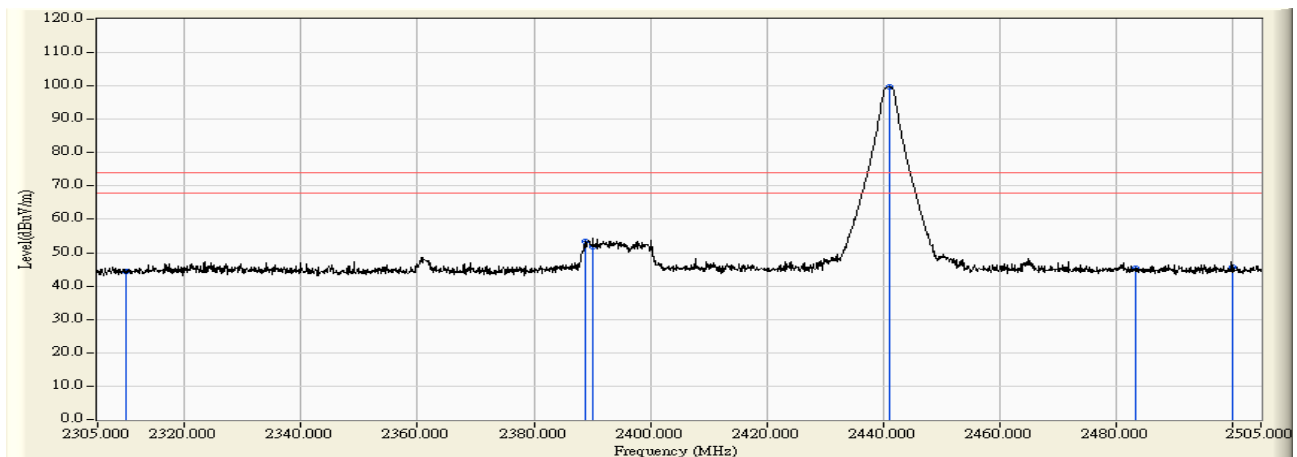


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 17.864                  | 31.292                    | -22.708        | 54.000            | AVERAGE       |
| 2 |   | 2322.100           | 13.512                 | 30.933                  | 44.444                    | -9.556         | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 19.248                  | 33.225                    | -20.775        | 54.000            | AVERAGE       |
| 4 | * | 2402.000           | 14.060                 | 84.355                  | 98.415                    | 44.415         | 54.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 18.550                  | 33.169                    | -20.831        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.598                  | 32.326                    | -21.674        | 54.000            | AVERAGE       |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                        | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 2DH5_2441MHz |

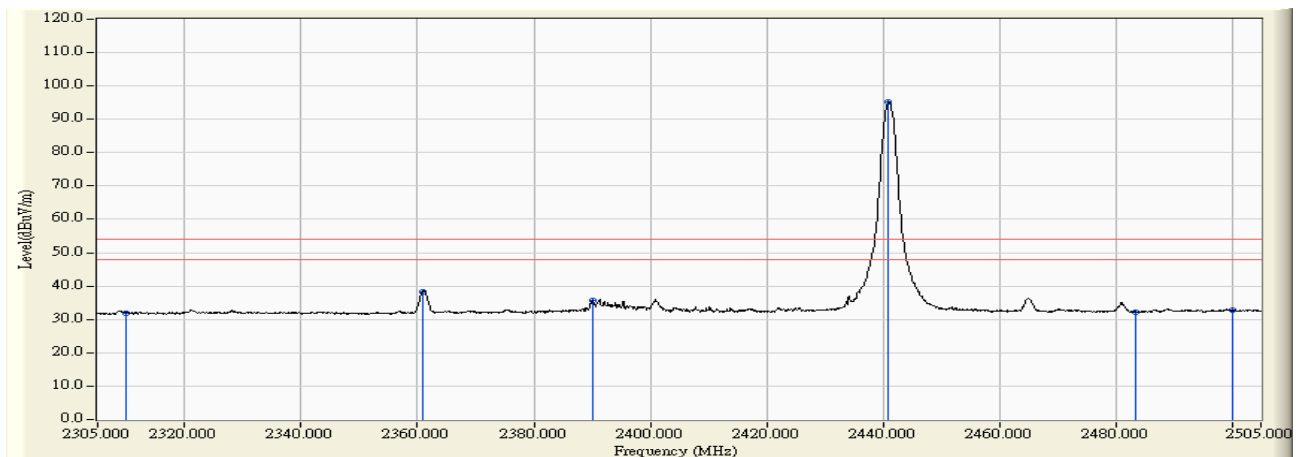


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 31.070                  | 44.498                    | -29.502        | 74.000            | PEAK          |
| 2 |   | 2388.800           | 13.969                 | 39.426                  | 53.395                    | -20.605        | 74.000            | PEAK          |
| 3 |   | 2390.000           | 13.977                 | 37.888                  | 51.865                    | -22.135        | 74.000            | PEAK          |
| 4 | * | 2441.100           | 14.328                 | 85.399                  | 99.727                    | 25.727         | 74.000            | PEAK          |
| 5 |   | 2483.500           | 14.619                 | 30.668                  | 45.287                    | -28.713        | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 31.084                  | 45.812                    | -28.188        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_AV                        | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 2DH5_2441MHz |

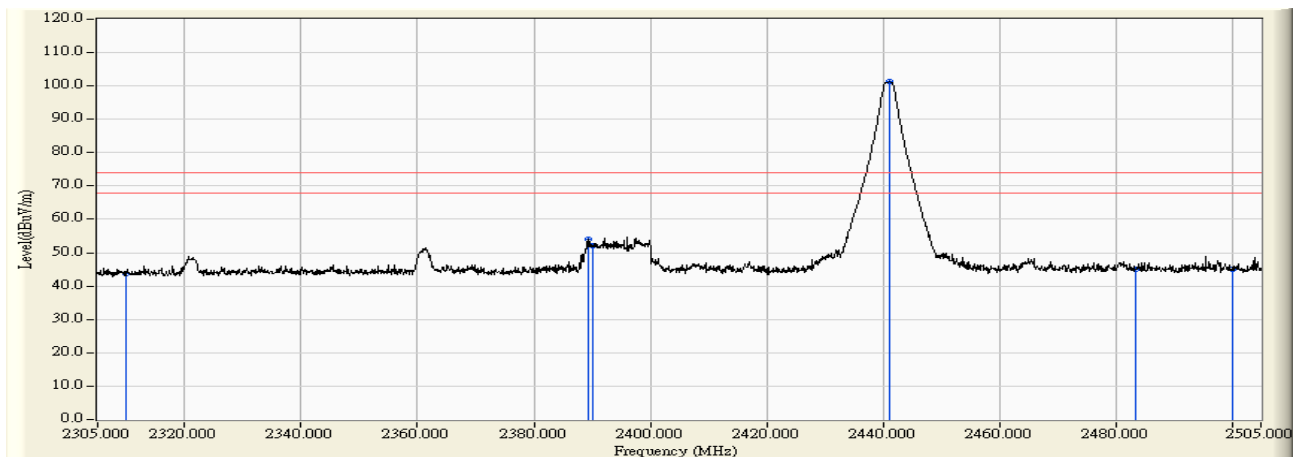


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 18.487                  | 31.915                    | -22.085        | 54.000            | AVERAGE       |
| 2 |   | 2360.800           | 13.776                 | 24.479                  | 38.256                    | -15.744        | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 21.785                  | 35.762                    | -18.238        | 54.000            | AVERAGE       |
| 4 | * | 2441.000           | 14.328                 | 80.863                  | 95.190                    | 41.190         | 54.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 17.671                  | 32.290                    | -21.710        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 18.003                  | 32.731                    | -21.269        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                    |                     |
|----------------------------------------------------|---------------------|
| Site : CB4-H                                       | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                   | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                            | Note : 2DH5_2441MHz |

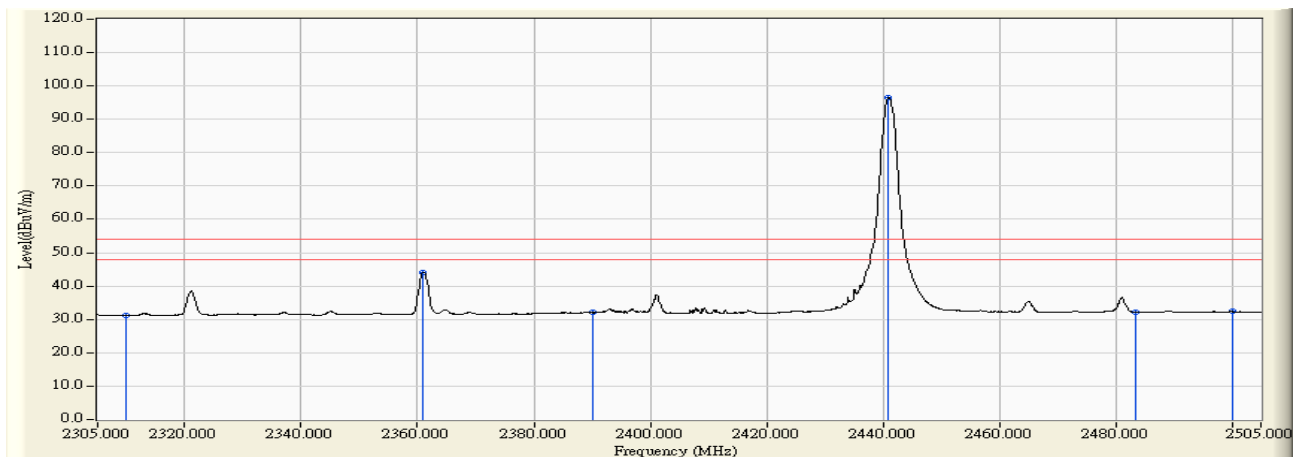


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 30.273                  | 43.701                    | -30.299        | 74.000            | PEAK          |
| 2 |   | 2389.400           | 13.973                 | 40.124                  | 54.097                    | -19.903        | 74.000            | PEAK          |
| 3 |   | 2390.000           | 13.977                 | 38.236                  | 52.213                    | -21.787        | 74.000            | PEAK          |
| 4 | * | 2441.100           | 14.328                 | 86.867                  | 101.195                   | 27.195         | 74.000            | PEAK          |
| 5 |   | 2483.500           | 14.619                 | 30.271                  | 44.890                    | -29.110        | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 30.298                  | 45.026                    | -28.974        | 74.000            | PEAK          |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                       |                     |
|-------------------------------------------------------|---------------------|
| Site : CB4-H                                          | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_AV                      | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                               | Note : 2DH5_2441MHz |

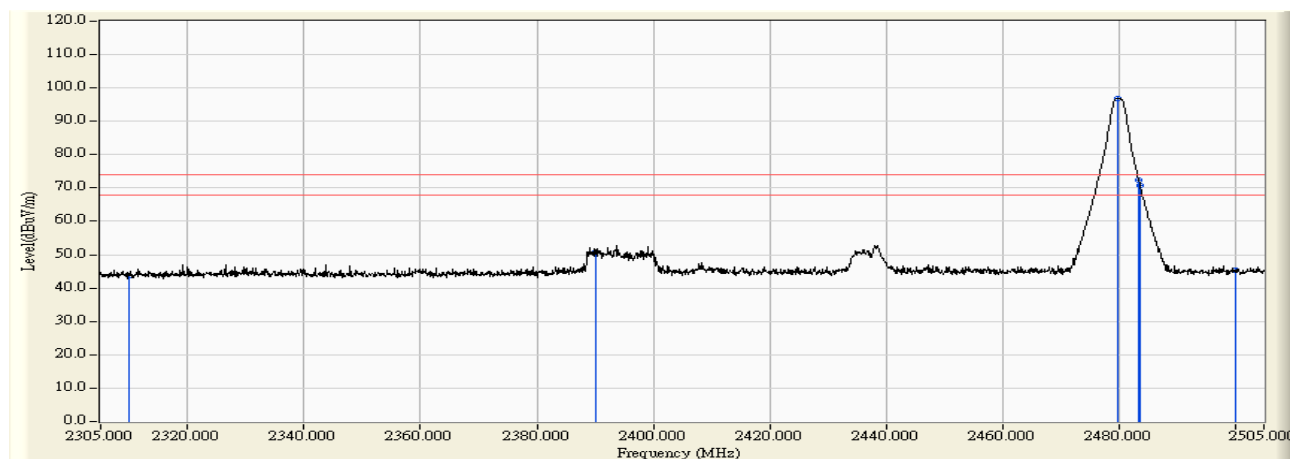


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 17.727                  | 31.155                    | -22.845        | 54.000            | AVERAGE       |
| 2 |   | 2360.800           | 13.776                 | 30.142                  | 43.919                    | -10.081        | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 18.156                  | 32.133                    | -21.867        | 54.000            | AVERAGE       |
| 4 | * | 2441.000           | 14.328                 | 82.285                  | 96.612                    | 42.612         | 54.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 17.623                  | 32.242                    | -21.758        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.610                  | 32.338                    | -21.662        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                    |                     |
|----------------------------------------------------|---------------------|
| Site : CB4-H                                       | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                   | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                            | Note : 2DH5_2480MHz |

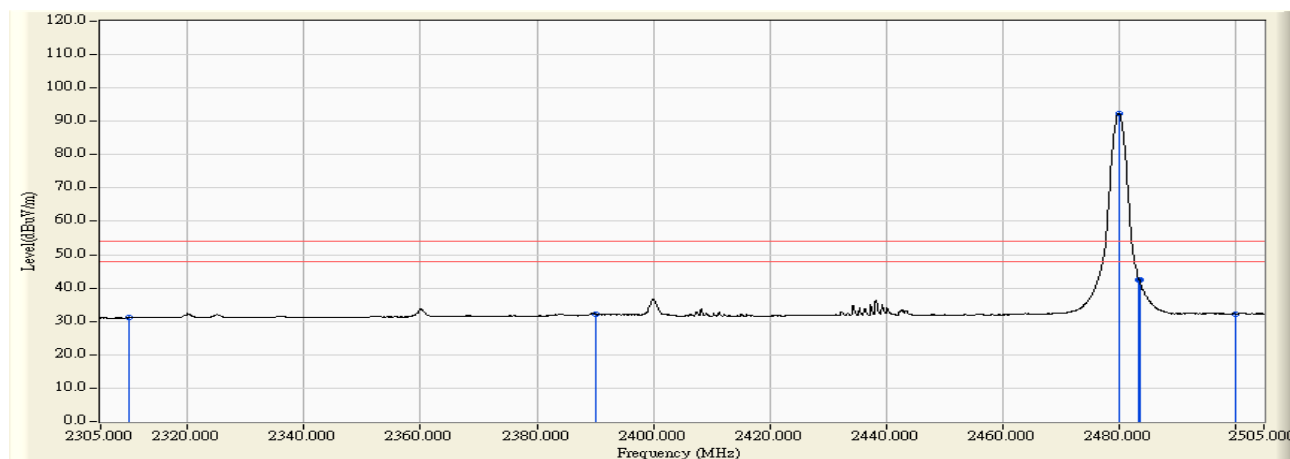


|   | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|-----------------|---------------------|----------------------|------------------------|-------------|----------------|---------------|
| 1 | 2310.000        | 13.428              | 30.485               | 43.913                 | -30.087     | 74.000         | PEAK          |
| 2 | 2390.000        | 13.977              | 36.990               | 50.967                 | -23.033     | 74.000         | PEAK          |
| 3 | * 2479.800      | 14.594              | 82.303               | 96.896                 | 22.896      | 74.000         | PEAK          |
| 4 | 2483.500        | 14.619              | 57.760               | 72.379                 | -1.621      | 74.000         | PEAK          |
| 5 | 2483.700        | 14.620              | 56.246               | 70.866                 | -3.134      | 74.000         | PEAK          |
| 6 | 2500.000        | 14.728              | 30.787               | 45.515                 | -28.485     | 74.000         | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                    |                     |
|----------------------------------------------------|---------------------|
| Site : CB4-H                                       | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_AV                   | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                            | Note : 2DH5_2480MHz |

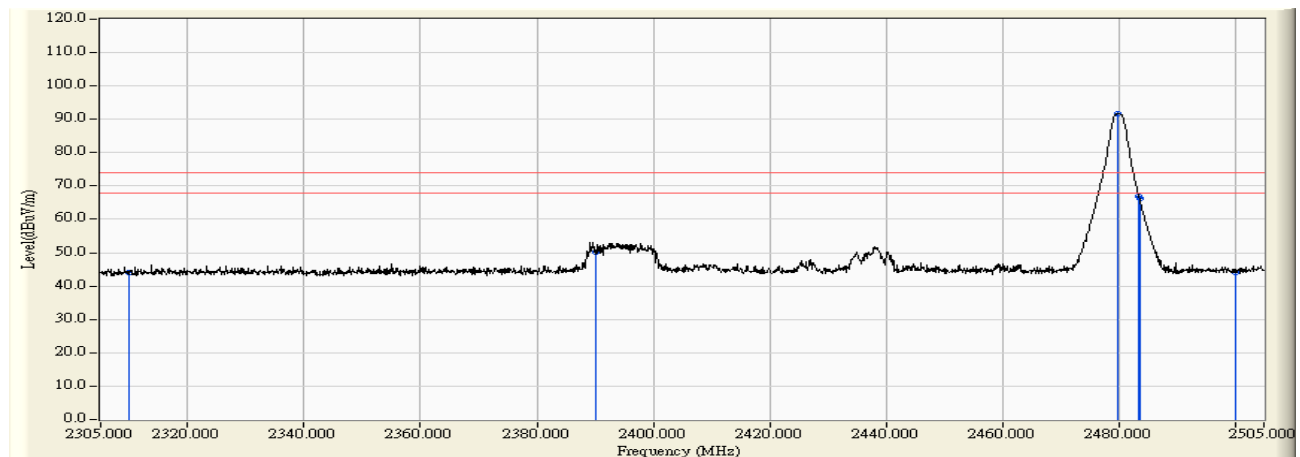


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 17.663                  | 31.091                    | -22.909        | 54.000            | AVERAGE       |
| 2 |   | 2390.000           | 13.977                 | 18.166                  | 32.143                    | -21.857        | 54.000            | AVERAGE       |
| 3 | * | 2480.100           | 14.595                 | 77.849                  | 92.445                    | 38.445         | 54.000            | AVERAGE       |
| 4 |   | 2483.500           | 14.619                 | 27.983                  | 42.602                    | -11.398        | 54.000            | AVERAGE       |
| 5 |   | 2483.600           | 14.619                 | 27.802                  | 42.422                    | -11.578        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.523                  | 32.251                    | -21.749        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                        | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 2DH5_2480MHz |

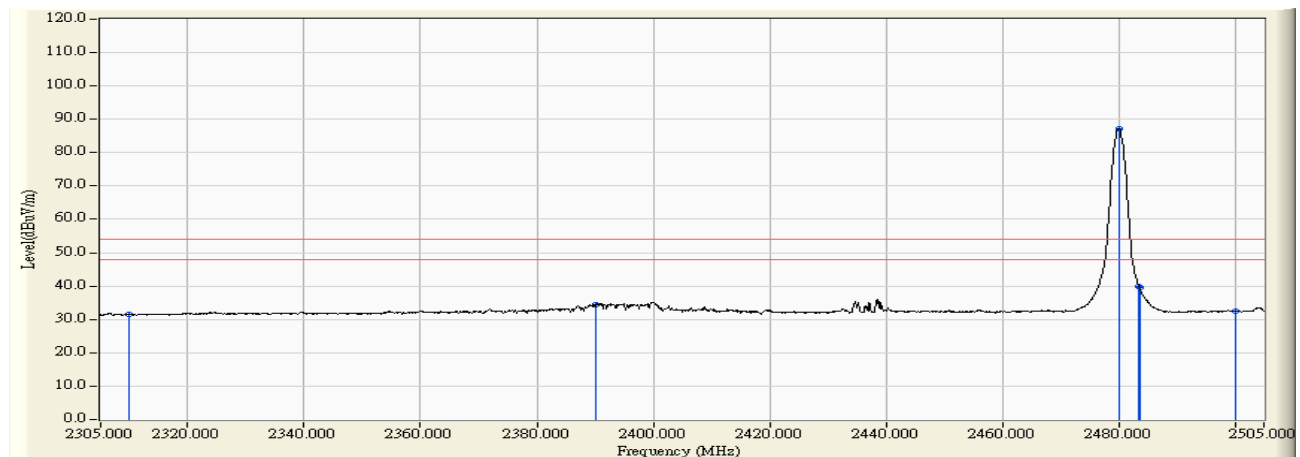


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 30.663                  | 44.091                    | -29.909        | 74.000            | PEAK          |
| 2 |   | 2390.000           | 13.977                 | 36.186                  | 50.163                    | -23.837        | 74.000            | PEAK          |
| 3 | * | 2479.800           | 14.594                 | 77.087                  | 91.680                    | 17.680         | 74.000            | PEAK          |
| 4 |   | 2483.500           | 14.619                 | 52.321                  | 66.940                    | -7.060         | 74.000            | PEAK          |
| 5 |   | 2483.600           | 14.619                 | 51.538                  | 66.158                    | -7.842         | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 29.451                  | 44.179                    | -29.821        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_AV                        | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 2DH5_2480MHz |

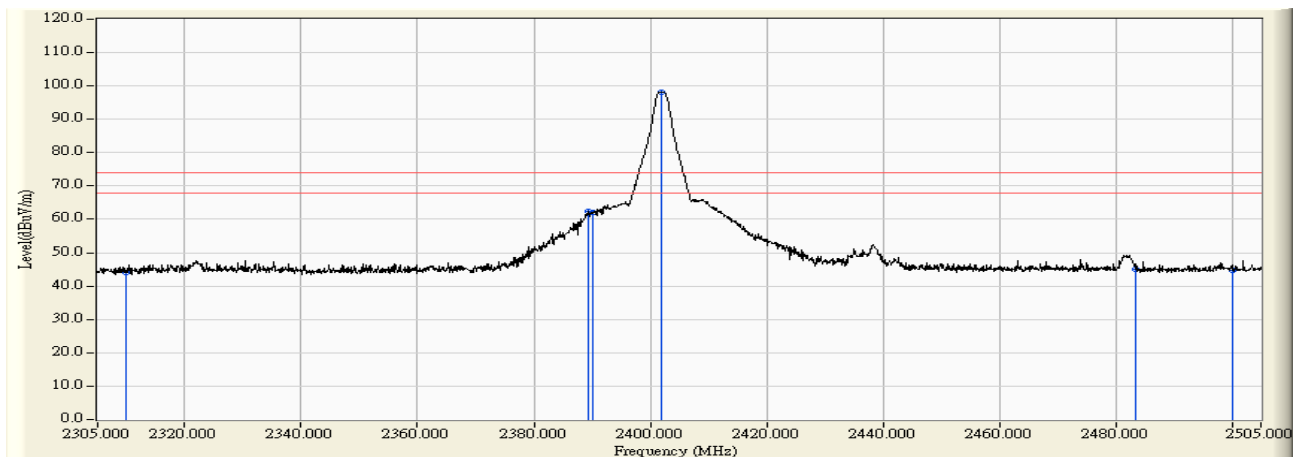


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 18.083                  | 31.511                    | -22.489        | 54.000            | AVERAGE       |
| 2 |   | 2390.000           | 13.977                 | 20.550                  | 34.527                    | -19.473        | 54.000            | AVERAGE       |
| 3 | * | 2480.000           | 14.595                 | 72.732                  | 87.327                    | 33.327         | 54.000            | AVERAGE       |
| 4 |   | 2483.500           | 14.619                 | 25.336                  | 39.955                    | -14.045        | 54.000            | AVERAGE       |
| 5 |   | 2483.600           | 14.619                 | 24.812                  | 39.432                    | -14.568        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.635                  | 32.363                    | -21.637        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                        | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 3DH5_2402MHz |

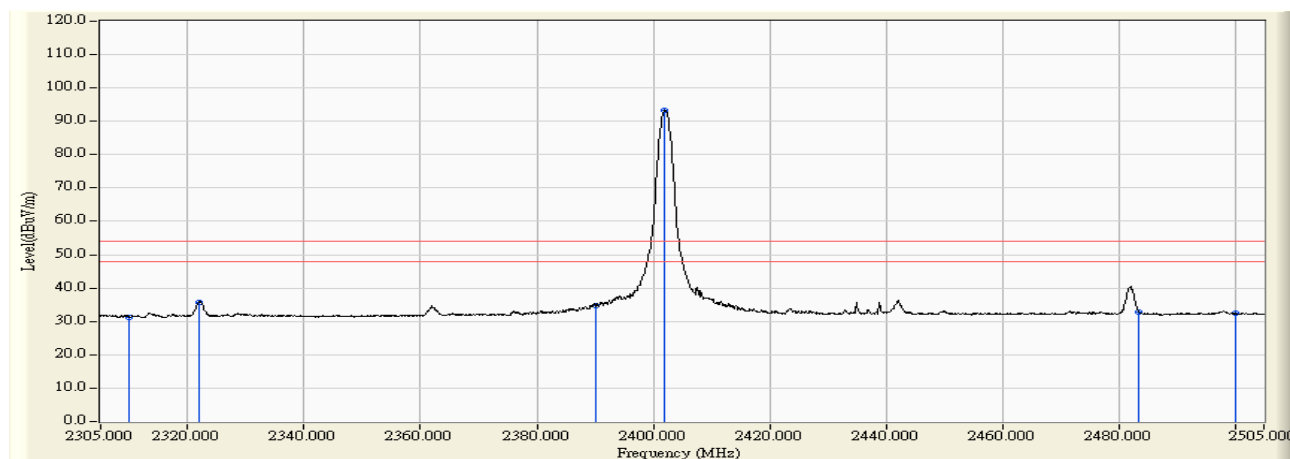


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 30.714                  | 44.142                    | -29.858        | 74.000            | PEAK          |
| 2 |   | 2389.300           | 13.972                 | 48.520                  | 62.492                    | -11.508        | 74.000            | PEAK          |
| 3 |   | 2390.000           | 13.977                 | 48.121                  | 62.098                    | -11.902        | 74.000            | PEAK          |
| 4 | * | 2401.900           | 14.059                 | 84.189                  | 98.248                    | 24.248         | 74.000            | PEAK          |
| 5 |   | 2483.500           | 14.619                 | 30.501                  | 45.120                    | -28.880        | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 29.911                  | 44.639                    | -29.361        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_AV                        | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 3DH5_2402MHz |

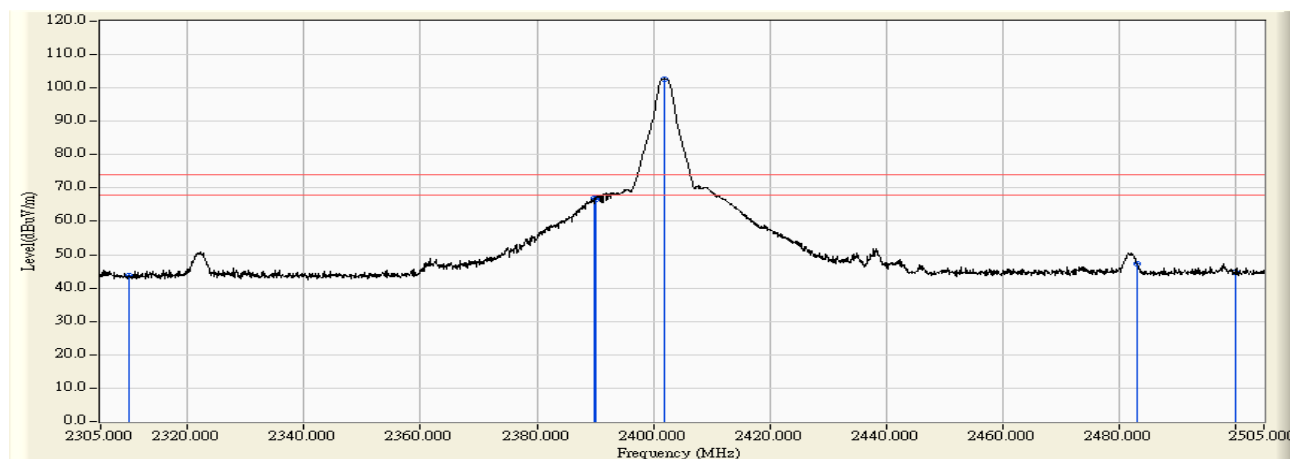


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 17.884                  | 31.312                    | -22.688        | 54.000            | AVERAGE       |
| 2 |   | 2321.900           | 13.509                 | 22.304                  | 35.814                    | -18.186        | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 20.679                  | 34.656                    | -19.344        | 54.000            | AVERAGE       |
| 4 | * | 2402.000           | 14.060                 | 79.396                  | 93.456                    | 19.456         | 74.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 18.221                  | 32.840                    | -21.160        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.814                  | 32.542                    | -21.458        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                    |                     |
|----------------------------------------------------|---------------------|
| Site : CB4-H                                       | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                   | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                            | Note : 3DH5_2402MHz |

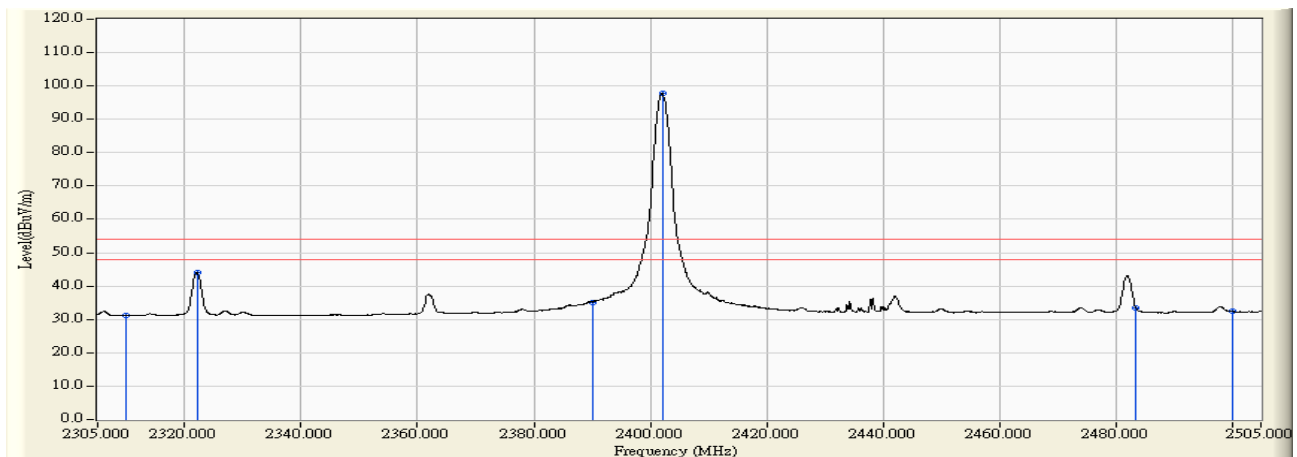


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 30.241                  | 43.669                    | -30.331        | 74.000            | PEAK          |
| 2 |   | 2389.900           | 13.977                 | 52.797                  | 66.773                    | -7.227         | 74.000            | PEAK          |
| 3 |   | 2390.000           | 13.977                 | 52.745                  | 66.722                    | -7.278         | 74.000            | PEAK          |
| 4 | * | 2402.000           | 14.060                 | 88.728                  | 102.788                   | 28.788         | 74.000            | PEAK          |
| 5 |   | 2483.250           | 14.618                 | 32.646                  | 47.263                    | -26.737        | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 30.101                  | 44.829                    | -29.171        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                       |                     |
|-------------------------------------------------------|---------------------|
| Site : CB4-H                                          | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_AV                      | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                               | Note : 3DH5_2402MHz |

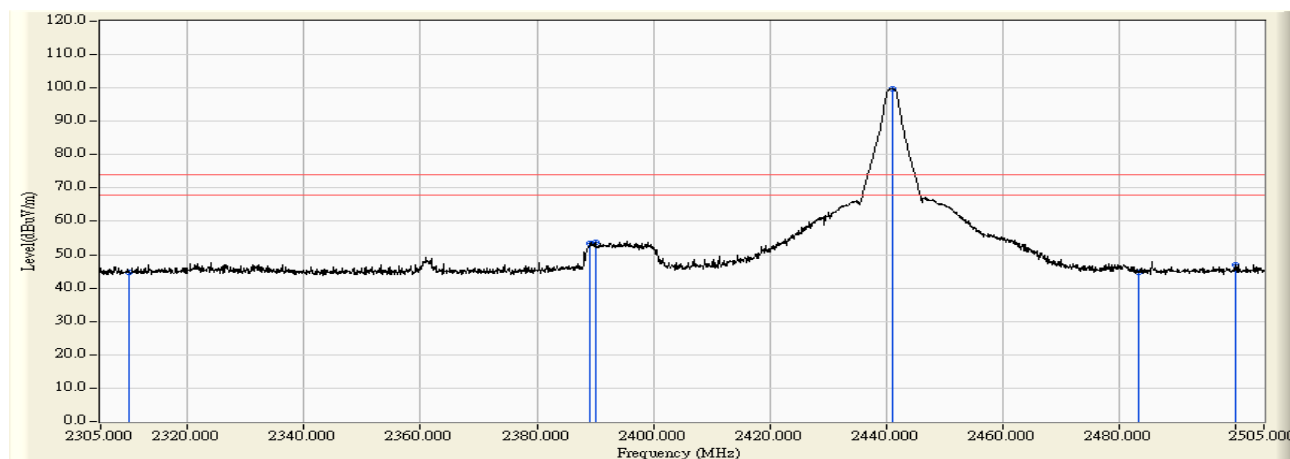


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 17.745                  | 31.173                    | -22.827        | 54.000            | AVERAGE       |
| 2 |   | 2322.100           | 13.512                 | 30.590                  | 44.101                    | -9.899         | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 21.125                  | 35.102                    | -18.898        | 54.000            | AVERAGE       |
| 4 | * | 2402.100           | 14.061                 | 83.788                  | 97.848                    | 43.848         | 54.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 18.710                  | 33.329                    | -20.671        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.607                  | 32.335                    | -21.665        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                        | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 3DH5_2441MHz |

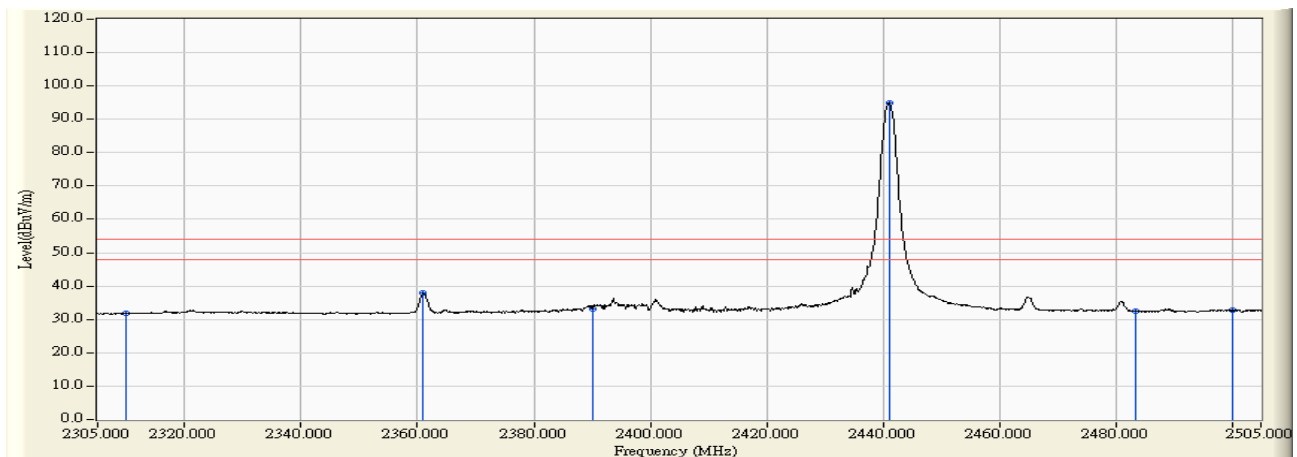


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 31.133                  | 44.561                    | -29.439        | 74.000            | PEAK          |
| 2 |   | 2389.100           | 13.971                 | 39.300                  | 53.271                    | -20.729        | 74.000            | PEAK          |
| 3 |   | 2390.000           | 13.977                 | 39.870                  | 53.847                    | -20.153        | 74.000            | PEAK          |
| 4 | * | 2441.200           | 14.328                 | 85.368                  | 99.697                    | 25.697         | 74.000            | PEAK          |
| 5 |   | 2483.500           | 14.619                 | 30.140                  | 44.759                    | -29.241        | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 32.212                  | 46.940                    | -27.060        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                        | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 3DH5_2441MHz |

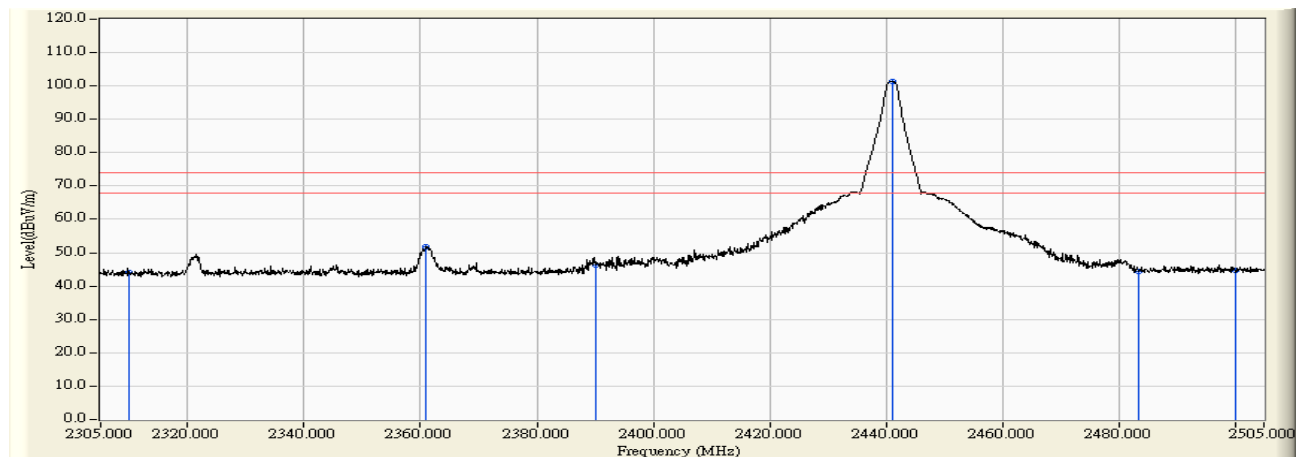


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 18.358                  | 31.786                    | -22.214        | 54.000            | AVERAGE       |
| 2 |   | 2361.000           | 13.779                 | 24.065                  | 37.843                    | -16.157        | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 19.053                  | 33.030                    | -20.970        | 54.000            | AVERAGE       |
| 4 | * | 2441.100           | 14.328                 | 80.454                  | 94.782                    | 40.782         | 54.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 17.802                  | 32.421                    | -21.579        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.970                  | 32.698                    | -21.302        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                       |                     |
|-------------------------------------------------------|---------------------|
| Site : CB4-H                                          | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                      | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                               | Note : 3DH5_2441MHz |

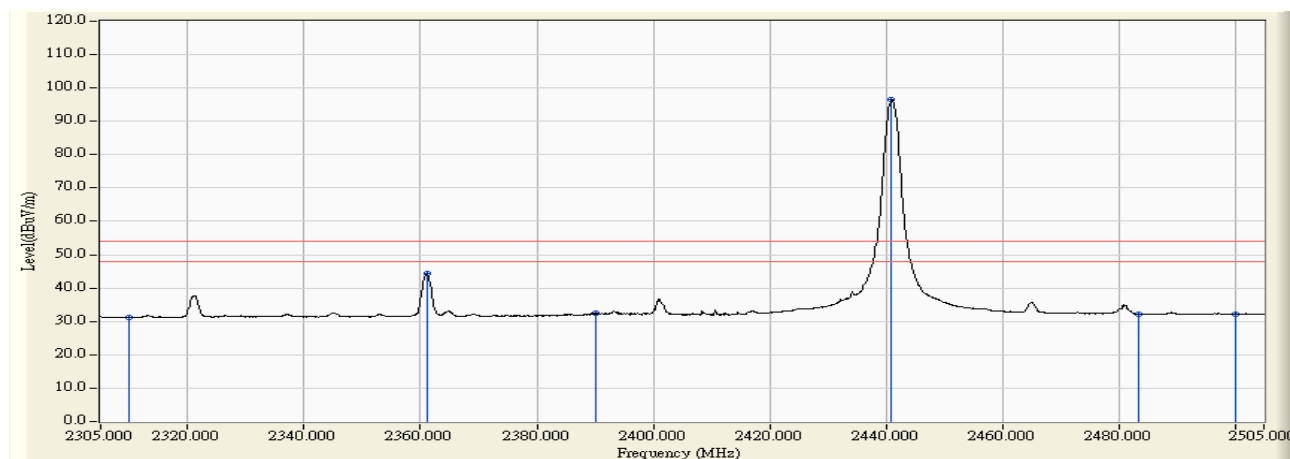


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 30.589                  | 44.017                    | -29.983        | 74.000            | PEAK          |
| 2 |   | 2361.000           | 13.779                 | 38.037                  | 51.815                    | -22.185        | 74.000            | PEAK          |
| 3 |   | 2390.000           | 13.977                 | 32.212                  | 46.189                    | -27.811        | 74.000            | PEAK          |
| 4 | * | 2441.100           | 14.328                 | 86.966                  | 101.294                   | 27.294         | 74.000            | PEAK          |
| 5 |   | 2483.500           | 14.619                 | 29.904                  | 44.523                    | -29.477        | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 30.007                  | 44.735                    | -29.265        | 74.000            | PEAK          |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                    |                     |
|----------------------------------------------------|---------------------|
| Site : CB4-H                                       | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_AV                   | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 - VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                            | Note : 3DH5_2441MHz |

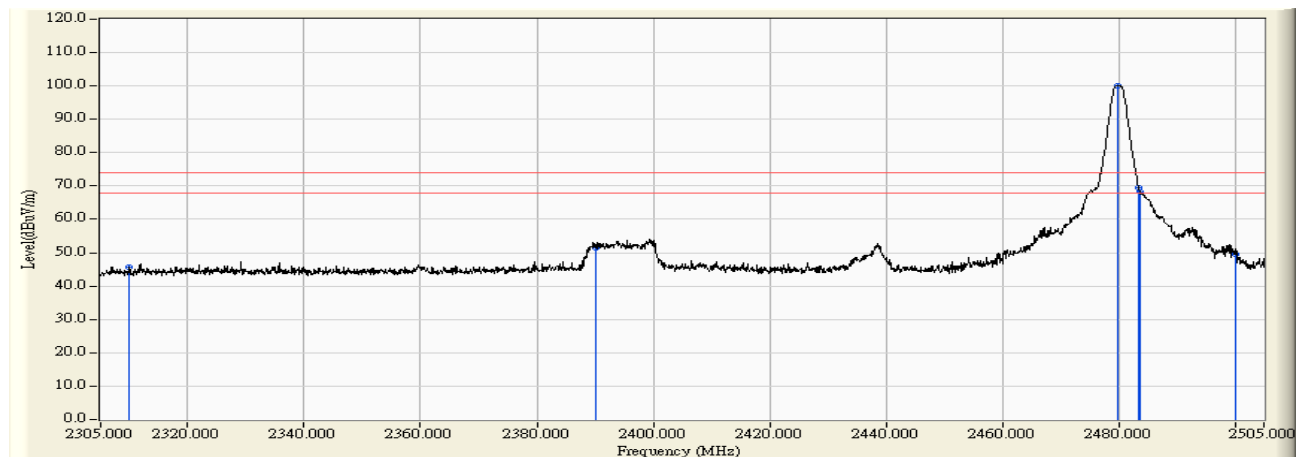


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 17.765                  | 31.193                    | -22.807        | 54.000            | AVERAGE       |
| 2 |   | 2361.100           | 13.779                 | 30.475                  | 44.254                    | -9.746         | 54.000            | AVERAGE       |
| 3 |   | 2390.000           | 13.977                 | 18.362                  | 32.339                    | -21.661        | 54.000            | AVERAGE       |
| 4 | * | 2441.000           | 14.328                 | 82.097                  | 96.424                    | 42.424         | 54.000            | AVERAGE       |
| 5 |   | 2483.500           | 14.619                 | 17.562                  | 32.181                    | -21.819        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.579                  | 32.307                    | -21.693        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                        | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 3DH5_2480MHz |

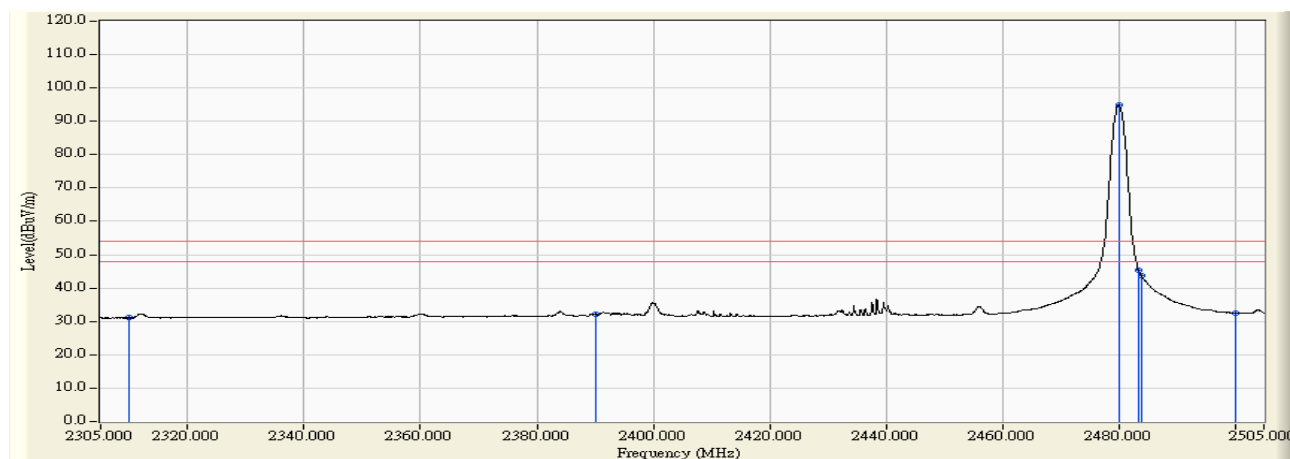


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 32.110                  | 45.538                    | -28.462        | 74.000            | PEAK          |
| 2 |   | 2390.000           | 13.977                 | 37.504                  | 51.481                    | -22.519        | 74.000            | PEAK          |
| 3 | * | 2479.900           | 14.595                 | 85.470                  | 100.064                   | 26.064         | 74.000            | PEAK          |
| 4 |   | 2483.500           | 14.619                 | 54.852                  | 69.471                    | -4.529         | 74.000            | PEAK          |
| 5 |   | 2483.600           | 14.619                 | 53.602                  | 68.222                    | -5.778         | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 34.976                  | 49.704                    | -24.296        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                         |                     |
|---------------------------------------------------------|---------------------|
| Site : CB4-H                                            | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_AV                        | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>HORIZONTAL | Power : DC 12V      |
| EUT : Multimedia System                                 | Note : 3DH5_2480MHz |

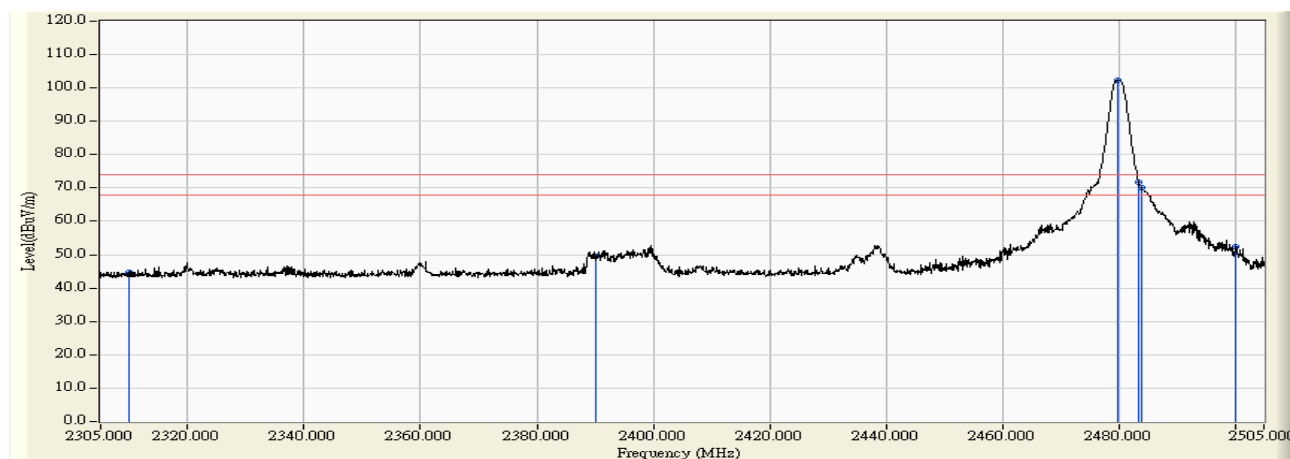


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 17.654                  | 31.082                    | -22.918        | 54.000            | AVERAGE       |
| 2 |   | 2390.000           | 13.977                 | 18.321                  | 32.298                    | -21.702        | 54.000            | AVERAGE       |
| 3 | * | 2480.000           | 14.595                 | 80.405                  | 95.000                    | 41.000         | 54.000            | AVERAGE       |
| 4 |   | 2483.500           | 14.619                 | 30.588                  | 45.207                    | -8.793         | 54.000            | AVERAGE       |
| 5 |   | 2483.900           | 14.622                 | 29.227                  | 43.849                    | -10.151        | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 17.795                  | 32.523                    | -21.477        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                       |                     |
|-------------------------------------------------------|---------------------|
| Site : CB4-H                                          | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_PK                      | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                               | Note : 3DH5_2480MHz |

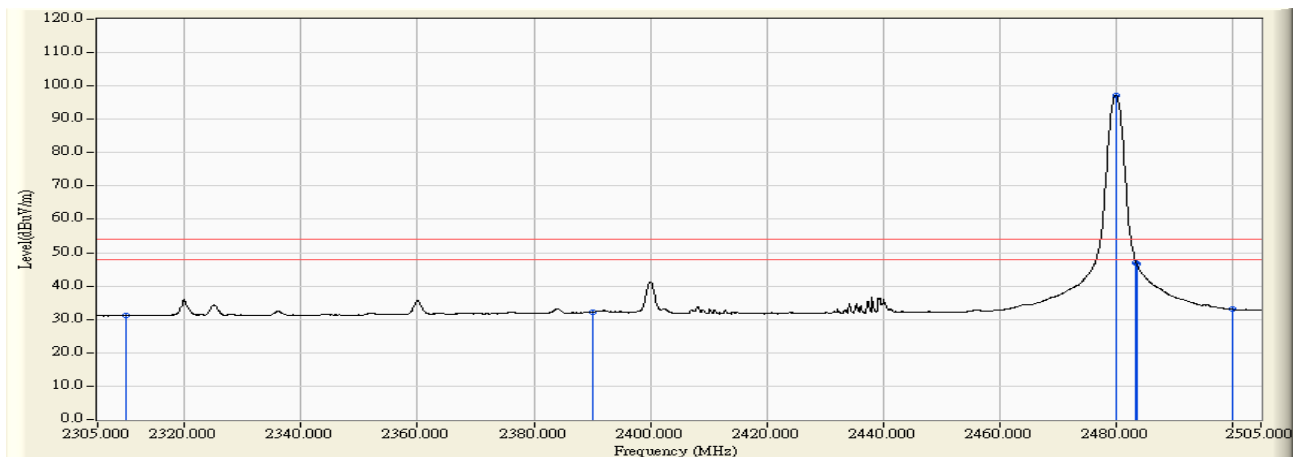


|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 31.211                  | 44.639                    | -29.361        | 74.000            | PEAK          |
| 2 |   | 2390.000           | 13.977                 | 35.592                  | 49.569                    | -24.431        | 74.000            | PEAK          |
| 3 | * | 2479.800           | 14.594                 | 87.594                  | 102.187                   | 28.187         | 74.000            | PEAK          |
| 4 |   | 2483.500           | 14.619                 | 57.208                  | 71.827                    | -2.173         | 74.000            | PEAK          |
| 5 |   | 2483.900           | 14.622                 | 55.483                  | 70.105                    | -3.895         | 74.000            | PEAK          |
| 6 |   | 2500.000           | 14.728                 | 37.632                  | 52.360                    | -21.640        | 74.000            | PEAK          |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

|                                                       |                     |
|-------------------------------------------------------|---------------------|
| Site : CB4-H                                          | Time : 2017/09/24   |
| Limit : FCC_SpartC_15.209_03M_AV                      | Margin : 6          |
| Probe : CB4-H_FCC_A115_EFS_1-18GHz_1116 -<br>VERTICAL | Power : DC 12V      |
| EUT : Multimedia System                               | Note : 3DH5_2480MHz |



|   |   | Frequency<br>(MHz) | Correct Factor<br>(dB) | Reading Level<br>(dBuV) | Measure Level<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 |   | 2310.000           | 13.428                 | 17.674                  | 31.102                    | -22.898        | 54.000            | AVERAGE       |
| 2 |   | 2390.000           | 13.977                 | 18.287                  | 32.264                    | -21.736        | 54.000            | AVERAGE       |
| 3 | * | 2480.000           | 14.595                 | 82.645                  | 97.240                    | 43.240         | 54.000            | AVERAGE       |
| 4 |   | 2483.500           | 14.619                 | 32.243                  | 46.862                    | -7.138         | 54.000            | AVERAGE       |
| 5 |   | 2483.600           | 14.619                 | 31.995                  | 46.615                    | -7.385         | 54.000            | AVERAGE       |
| 6 |   | 2500.000           | 14.728                 | 18.265                  | 32.993                    | -21.007        | 54.000            | AVERAGE       |

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 1MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " \* ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

## 7. Number of hopping frequency

### 7.1. Test Equipment

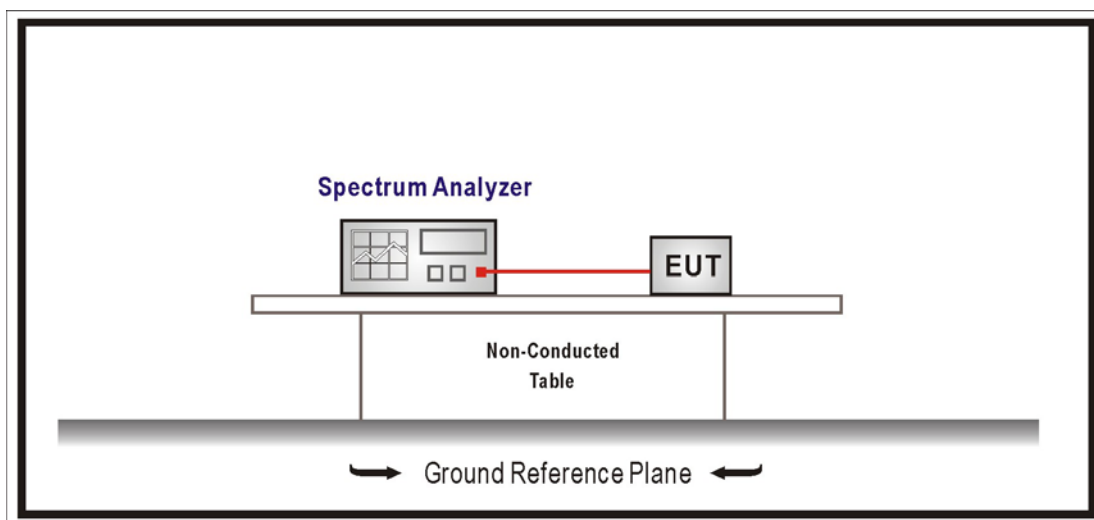
The following test equipment is used during the test:

Number of hopping frequency / SR10-H

| Instrument                 | Manufacturer | Model No. | Serial No  | Next Cal. Date |
|----------------------------|--------------|-----------|------------|----------------|
| Signal & Spectrum Analyzer | R&S          | FSV40     | 101049     | 2017/01/23     |
| EXA Signal Analyzer        | Keysight     | N9010A    | MY51440132 | 2017/03/13     |
| Spectrum Analyzer          | Agilent      | N9010A    | US47140172 | 2017/07/26     |

Note: All equipment that need to calibrate are with calibration period of 1 year.

### 7.2. Test Setup



### 7.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

For frequency hopping systems operating in the 2400-2483.5 MHz bands, which use fewer than 75 hopping frequencies, may employ intelligent hopping techniques to avoid interference to other transmissions. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 non-overlapping channels are used.

For frequency hopping systems operating in the 5725-5850 MHz band shall use at least 75 hopping frequencies.

### 7.4. Test Procedures

The EUT was setup according to ANSI C63.10:2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements ,

Span = the frequency band of operation ,  $RBW \geq 1\%$  of the span ,  $VBW \geq RBW$  ,

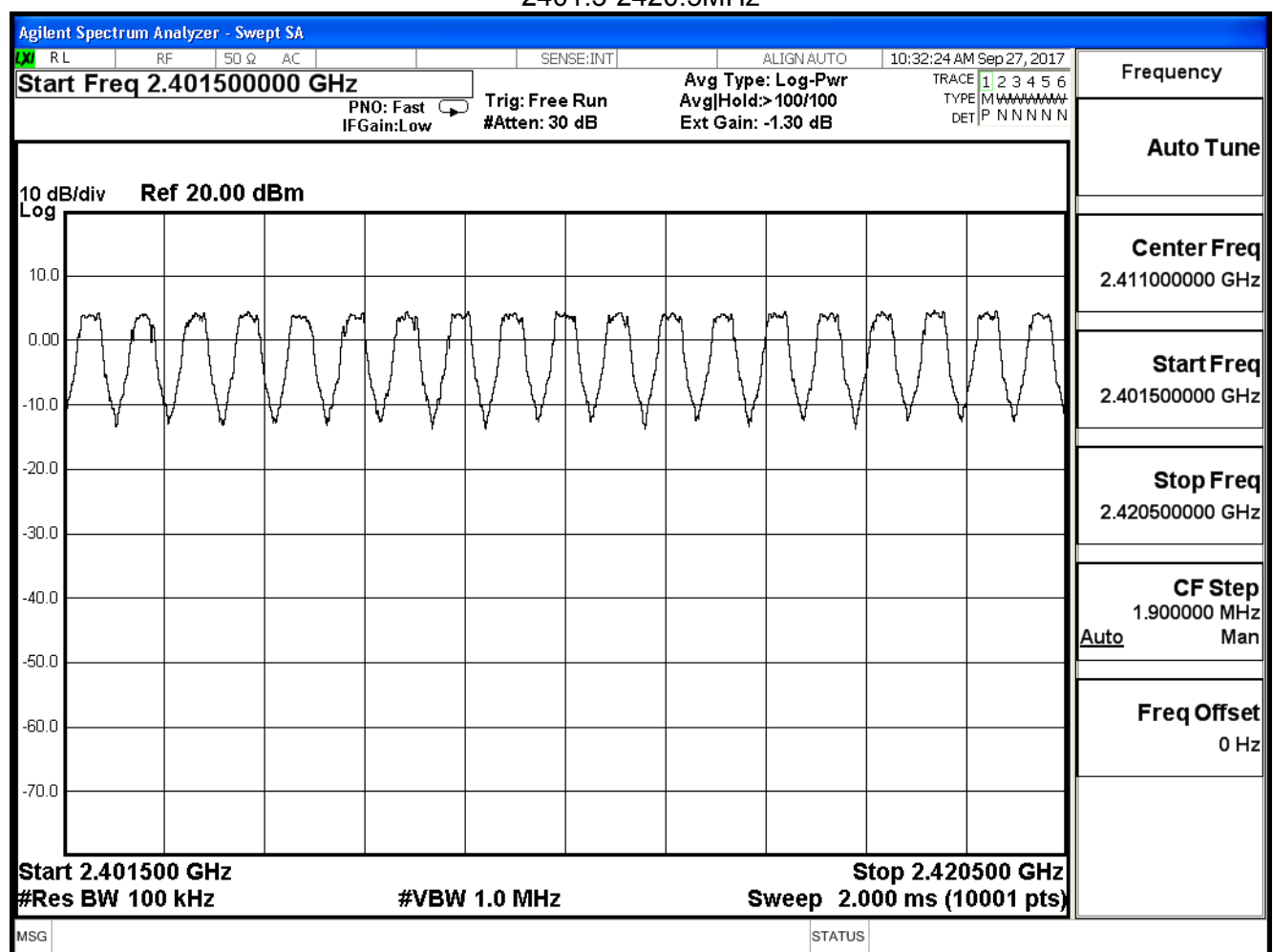
Sweep = auto, Detector function = peak, Trace = max hold.

### 7.5. Test Specification

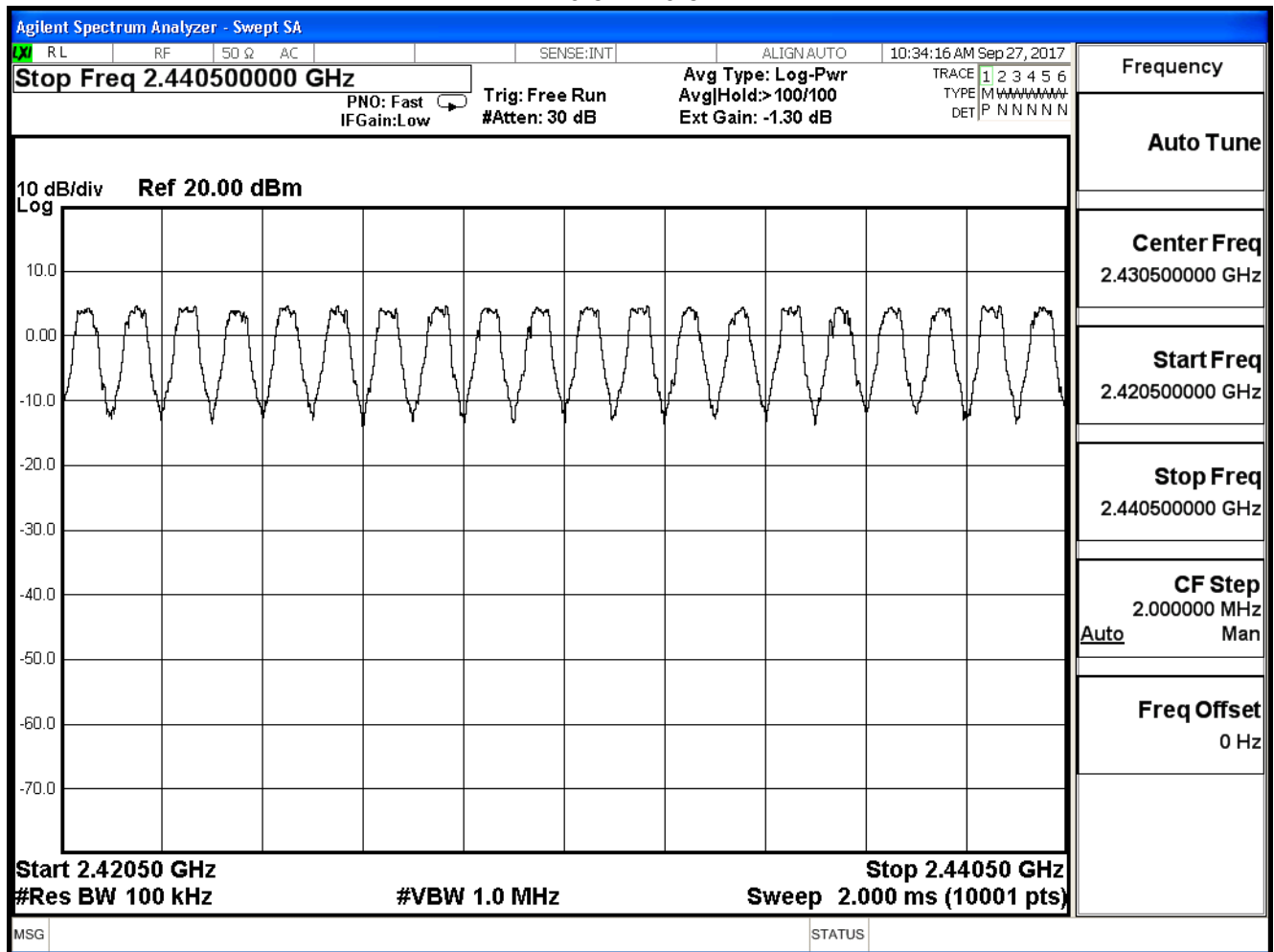
According to FCC Part 15 Subpart C Paragraph 15.247: 2015

|              |                             |           |        |
|--------------|-----------------------------|-----------|--------|
| Product      | Multimedia System           |           |        |
| Test Item    | Number of hopping frequency |           |        |
| Test Mode    | Mode 1: Transmit            |           |        |
| Date of Test | 2017/09/27                  | Test Site | SR10-H |

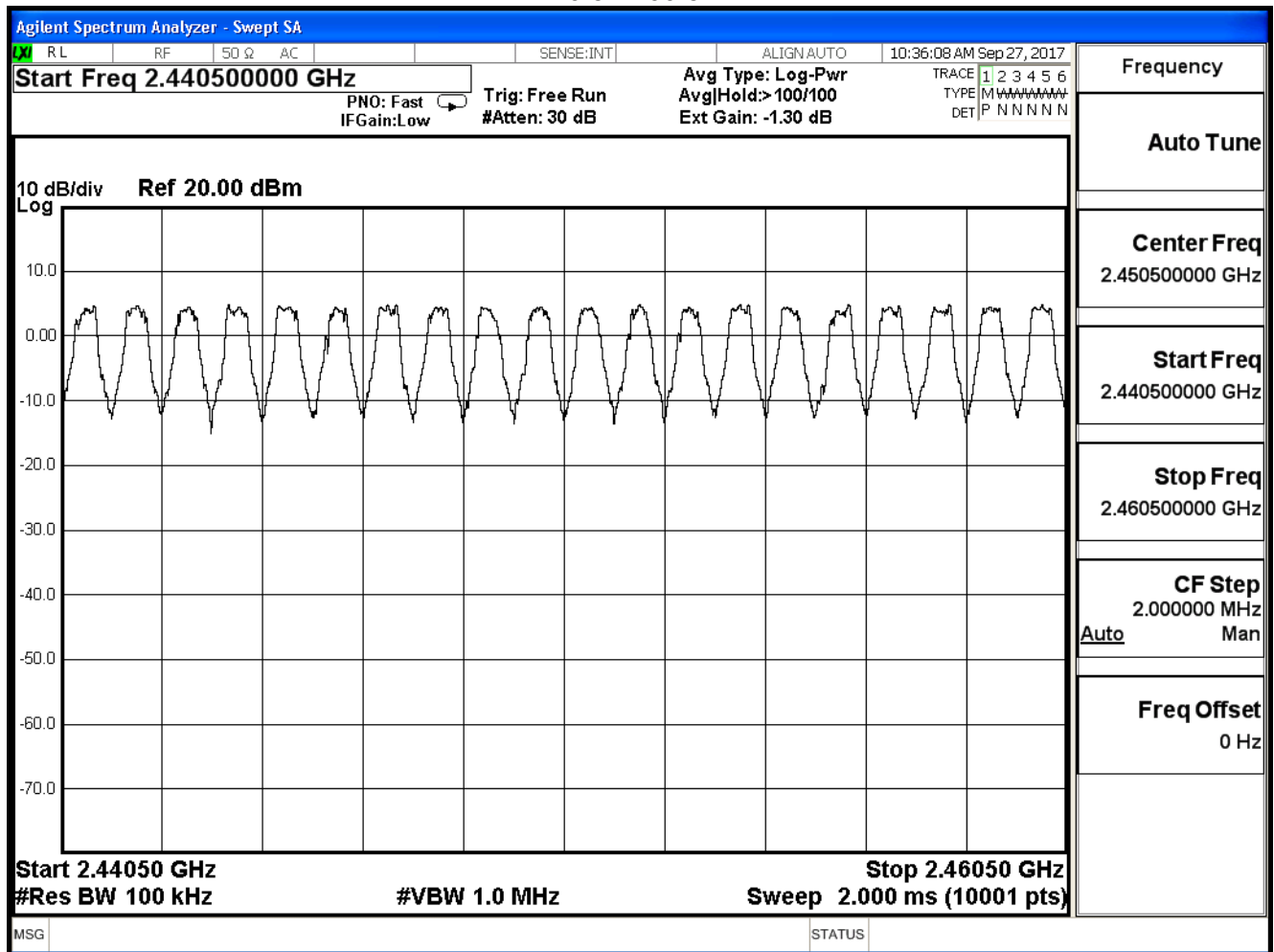
| Frequency Range<br>(MHz) | Measure Level<br>(Channels) | Limit<br>(Channels) | Result |
|--------------------------|-----------------------------|---------------------|--------|
| 2402 - 2480              | 79                          | $\geq 75$           | Pass   |



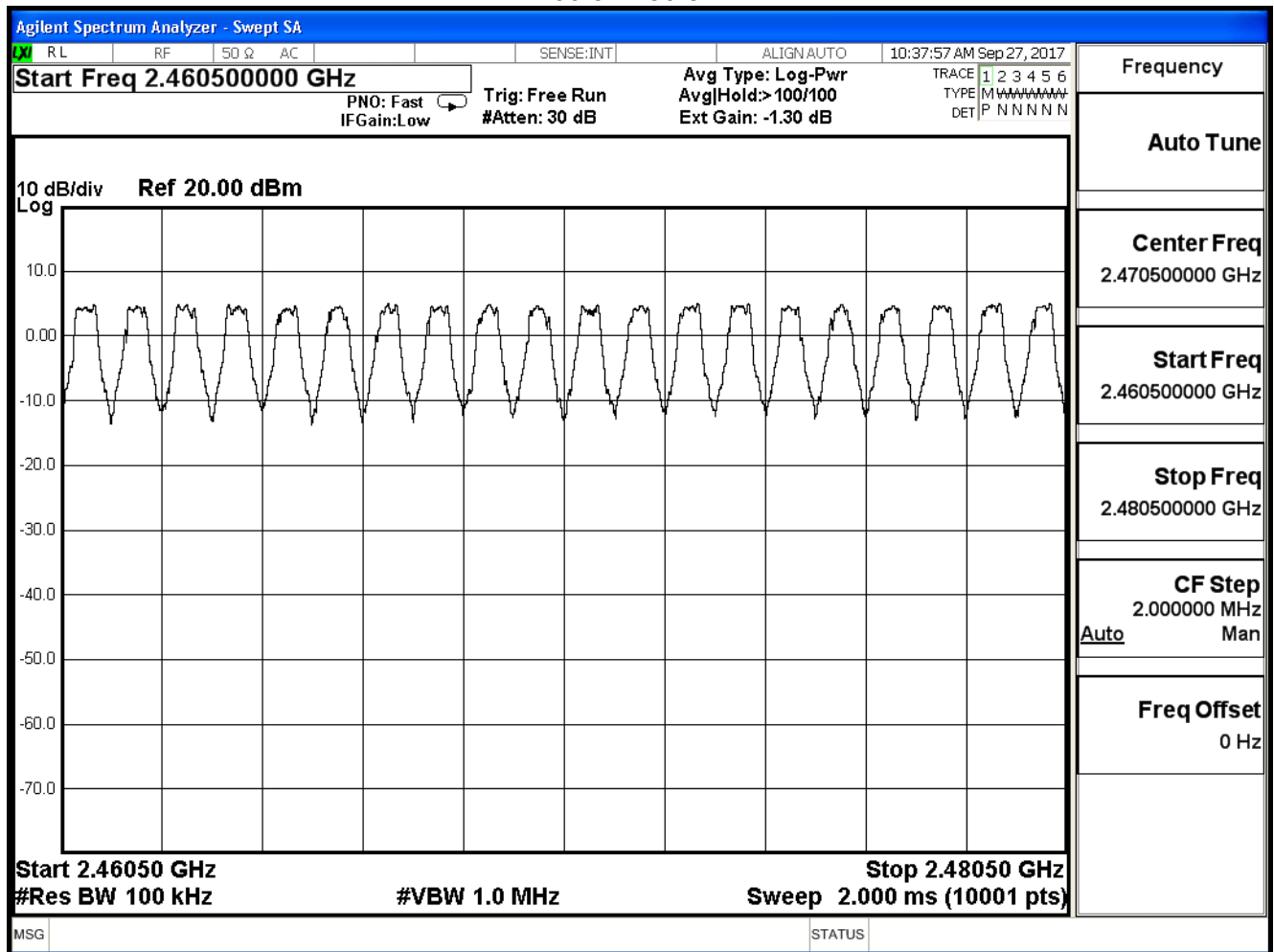
2420.5-2440.5MHz



2440.5-2460.5MHz



2460.5-2480.5MHz



## 8. Carrier Frequency Separation

### 8.1. Test Equipment

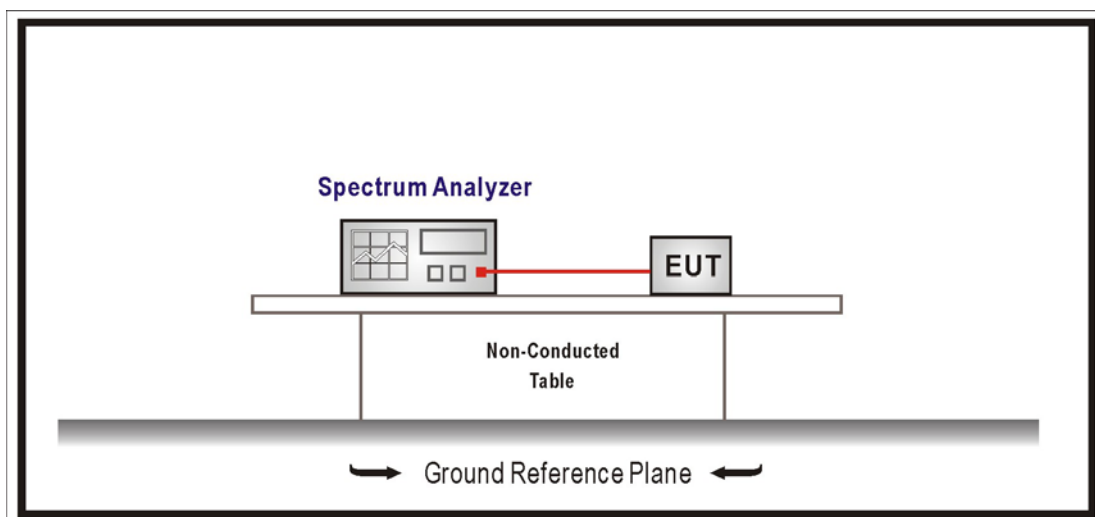
The following test equipment is used during the test:

Carrier Frequency Separation / SR10-H

| Instrument                                | Manufacturer | Model No. | Serial No  | Next Cal. Date |
|-------------------------------------------|--------------|-----------|------------|----------------|
| Signal & Spectrum Analyzer                | R&S          | FSV40     | 101049     | 2017/01/23     |
| EXA Signal Analyzer                       | Keysight     | N9010A    | MY51440132 | 2017/03/13     |
| High Speed Peak Power<br>Meter Dual Input | Anritsu      | ML2496A   | 1602004    | 2017/01/20     |
| Pulse Power Sensor                        | Anritsu      | MA2411B   | 1531043    | 2017/01/20     |
| Pulse Power Sensor                        | Anritsu      | MA2411B   | 1531044    | 2017/01/20     |

Note: All equipment that need to calibrate are with calibration period of 1 year.

### 8.2. Test Setup



### 8.3. Limits

For frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

#### **8.4. Test Procedures**

The EUT was setup according to ANSI C63.10:2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Span = wide enough to capture the peaks of two adjacent channels

Resolution Bandwidth (RBW)  $\geq$  1% of the span, VBW  $\geq$  RBW

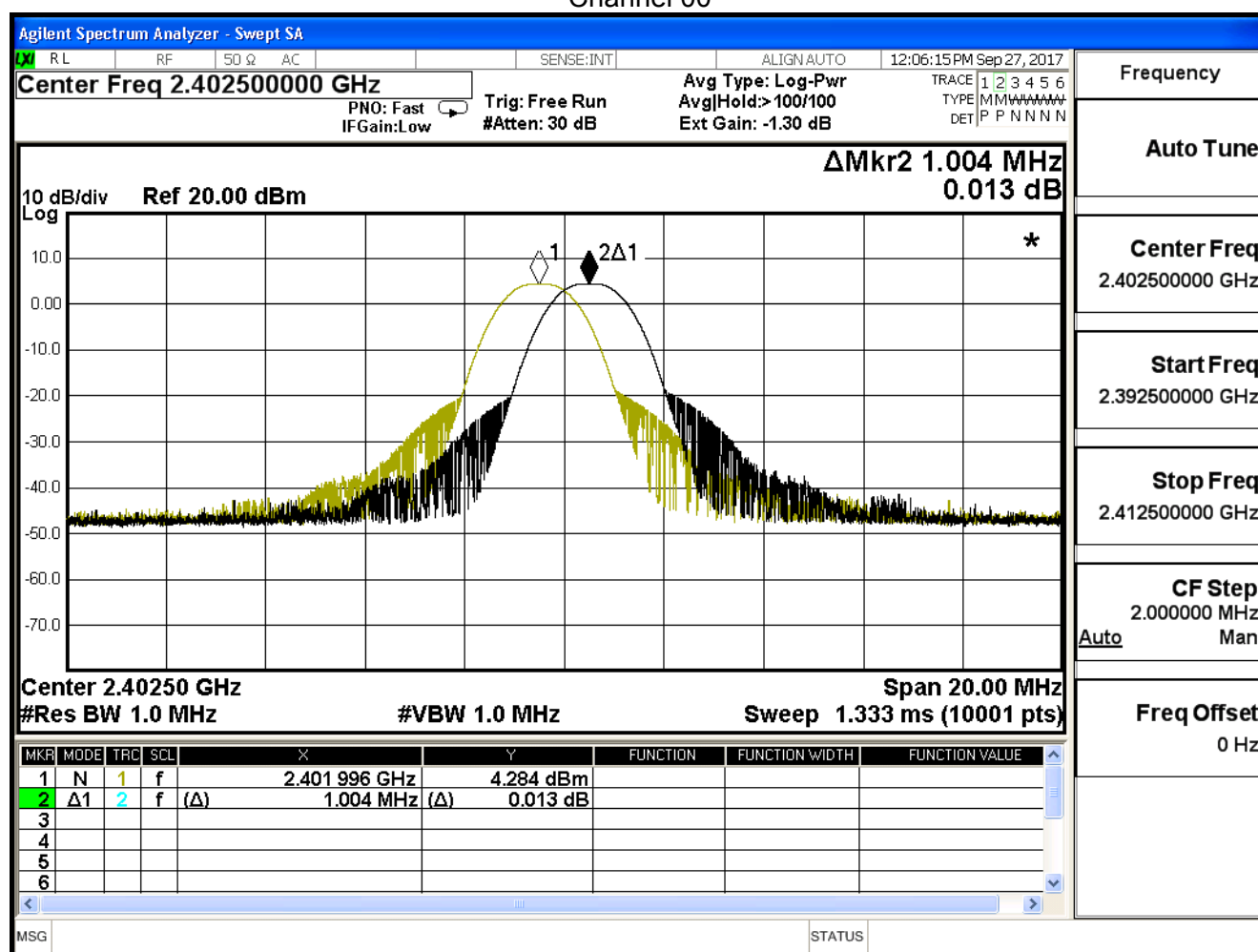
Sweep = auto, Detector function = peak, Trace = max hold

#### **8.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

|              |                              |           |        |
|--------------|------------------------------|-----------|--------|
| Product      | Multimedia System            |           |        |
| Test Item    | Carrier Frequency Separation |           |        |
| Test Mode    | Mode 1: Transmit             |           |        |
| Date of Test | 2017/09/27                   | Test Site | SR10-H |

| Channel No. | Frequency<br>(MHz) | Measure Level<br>(MHz) | Limit<br>(MHz) | Result |
|-------------|--------------------|------------------------|----------------|--------|
| 00          | 2402               | 1.004                  | 0.626          | Pass   |
| 39          | 2441               | 1.006                  | 0.628          | Pass   |
| 78          | 2480               | 1.014                  | 0.628          | Pass   |





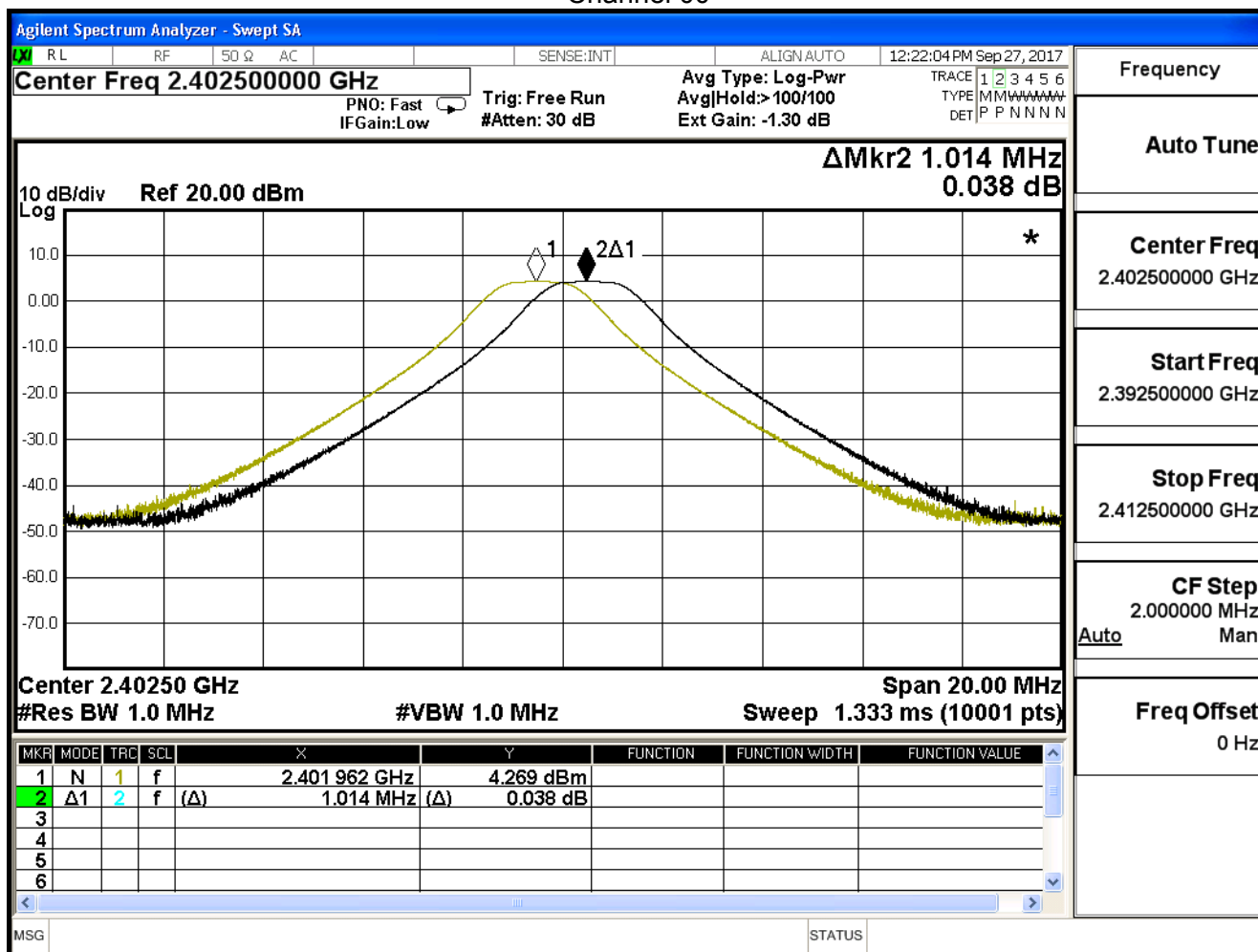


|              |                              |           |        |
|--------------|------------------------------|-----------|--------|
| Product      | Multimedia System            |           |        |
| Test Item    | Carrier Frequency Separation |           |        |
| Test Mode    | Mode 1: Transmit             |           |        |
| Date of Test | 2017/09/27                   | Test Site | SR10-H |

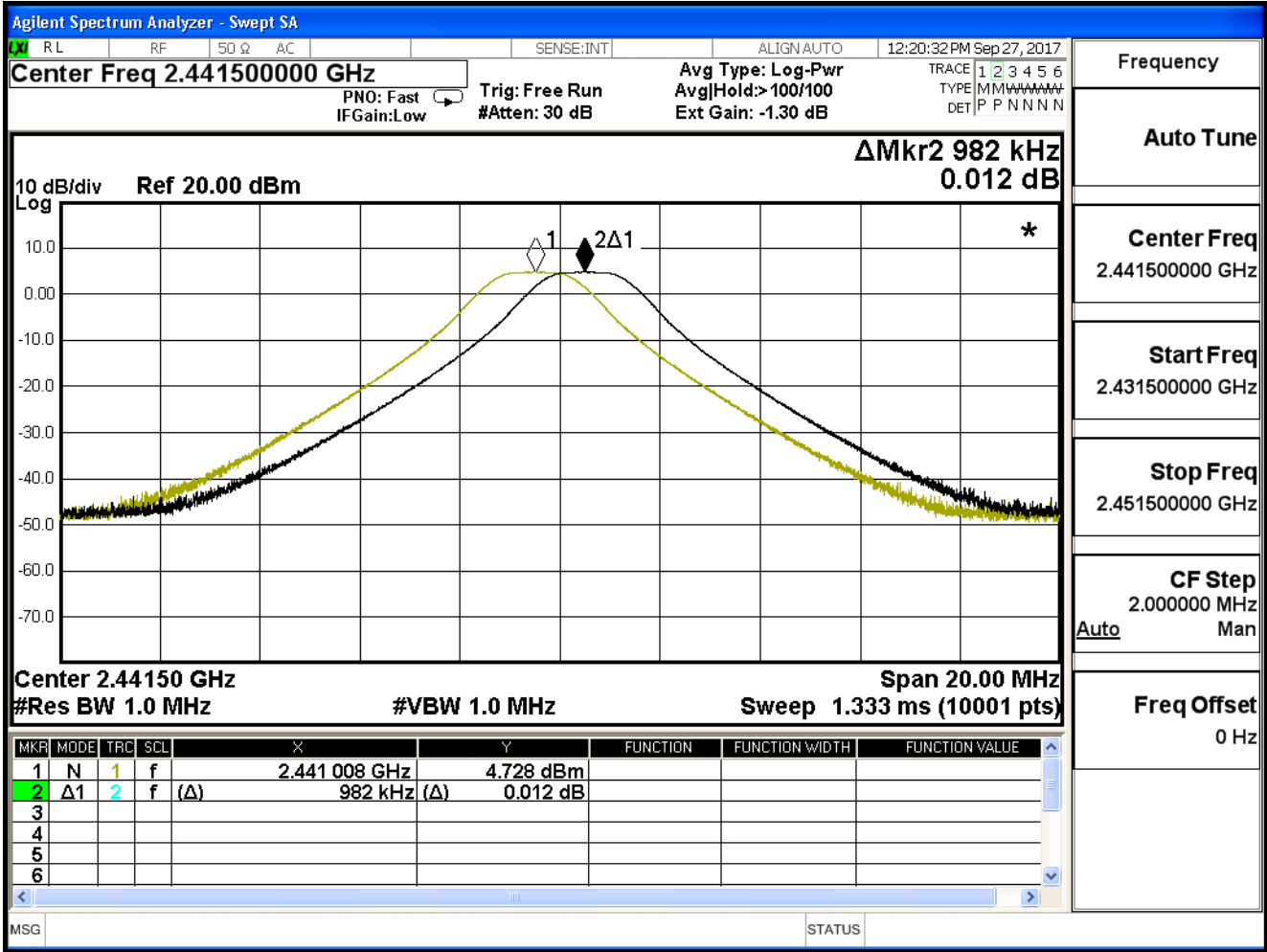
$\pi/4$ -DQPSK

| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 00          | 2402            | 1.014               | 0.950       | Pass   |
| 39          | 2441            | 0.982               | 0.949       | Pass   |
| 78          | 2480            | 1.012               | 0.951       | Pass   |

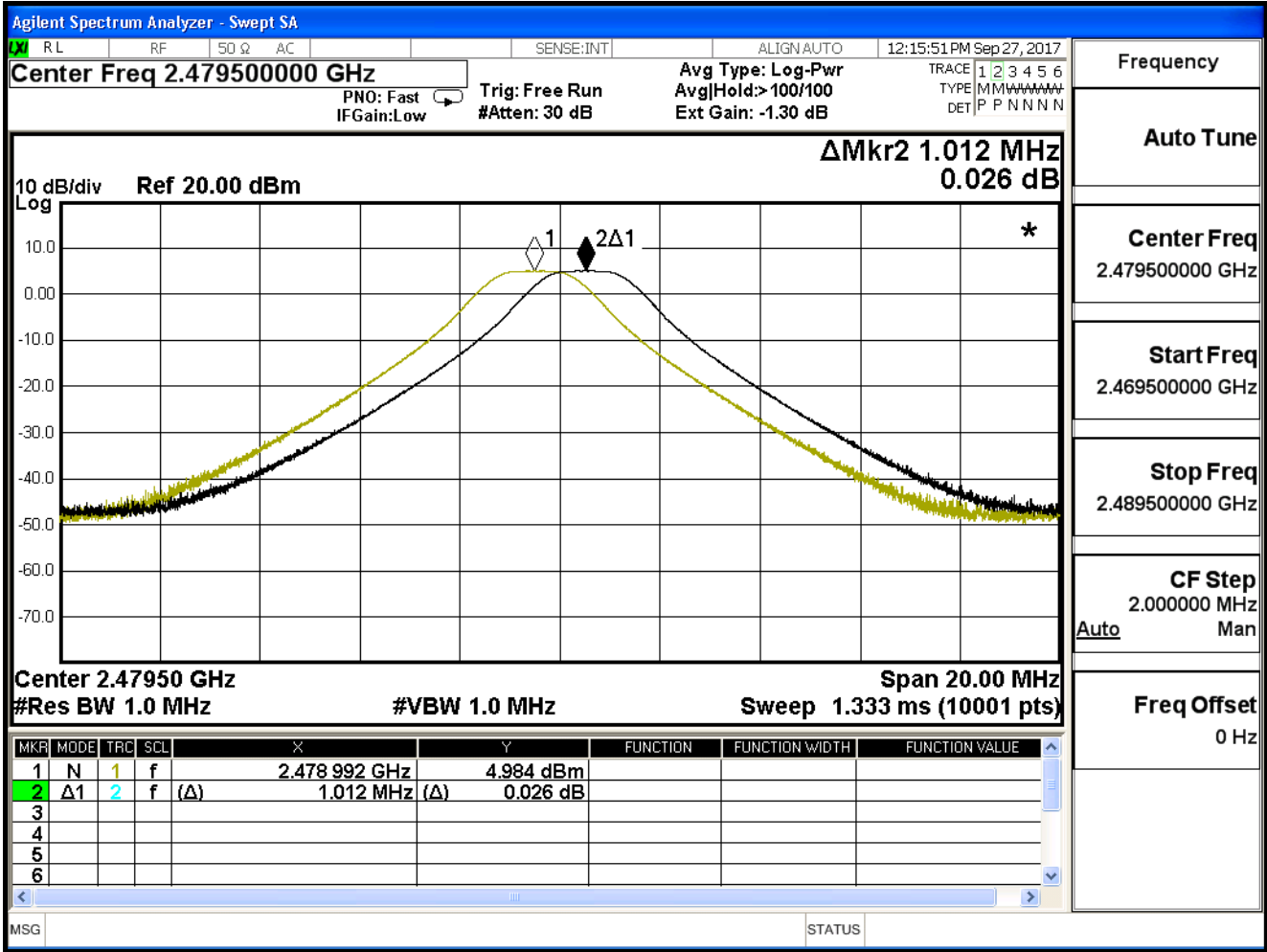
Channel 00



## Channel 39



## Channel 78

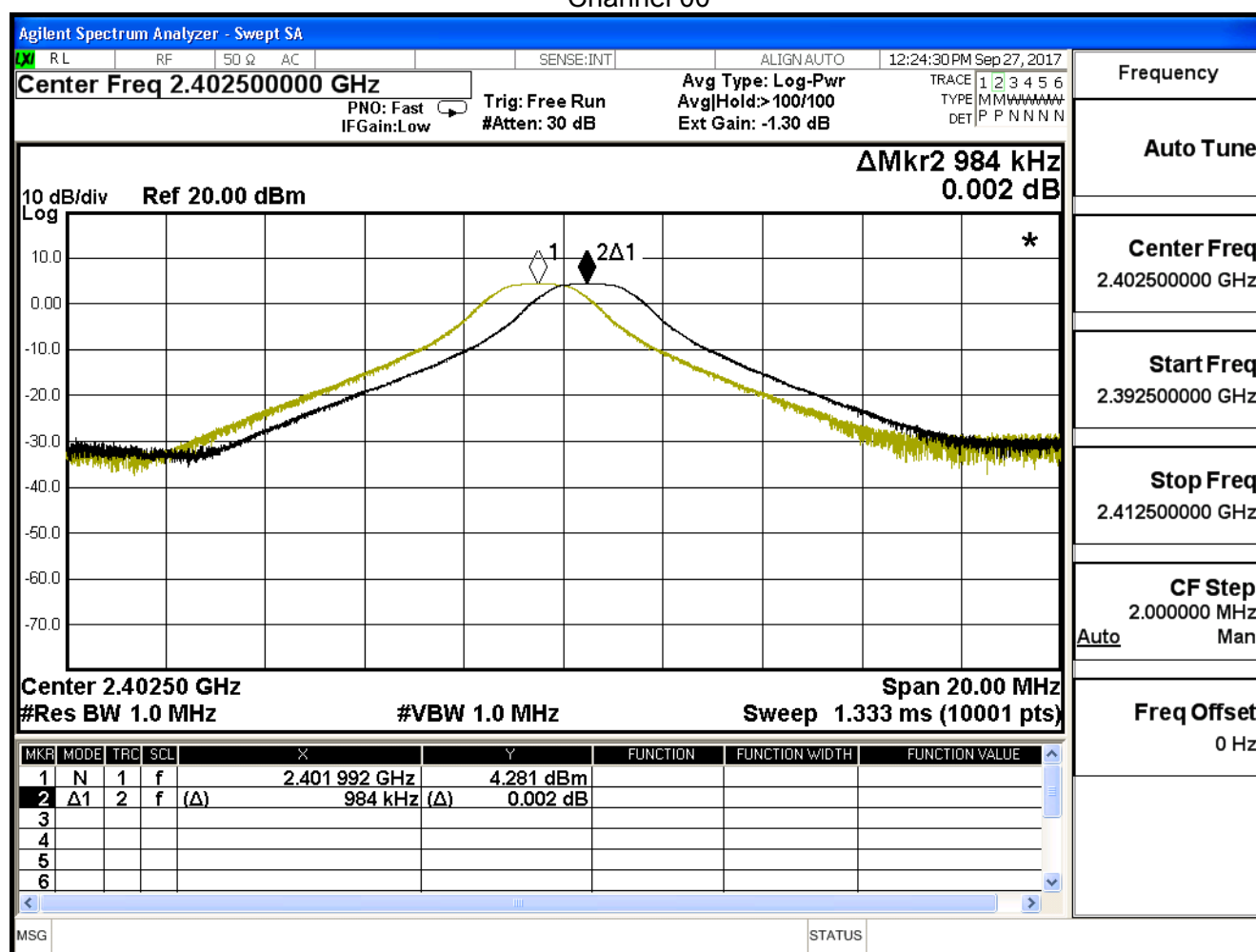


|              |                              |           |        |
|--------------|------------------------------|-----------|--------|
| Product      | Multimedia System            |           |        |
| Test Item    | Carrier Frequency Separation |           |        |
| Test Mode    | Mode 1: Transmit             |           |        |
| Date of Test | 2017/09/27                   | Test Site | SR10-H |

## 8-DPSK

| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 00          | 2402            | 0.984               | 0.926       | Pass   |
| 39          | 2441            | 0.990               | 0.930       | Pass   |
| 78          | 2480            | 1.008               | 0.926       | Pass   |

## Channel 00







## 9. Occupied Bandwidth

### 9.1. Test Equipment

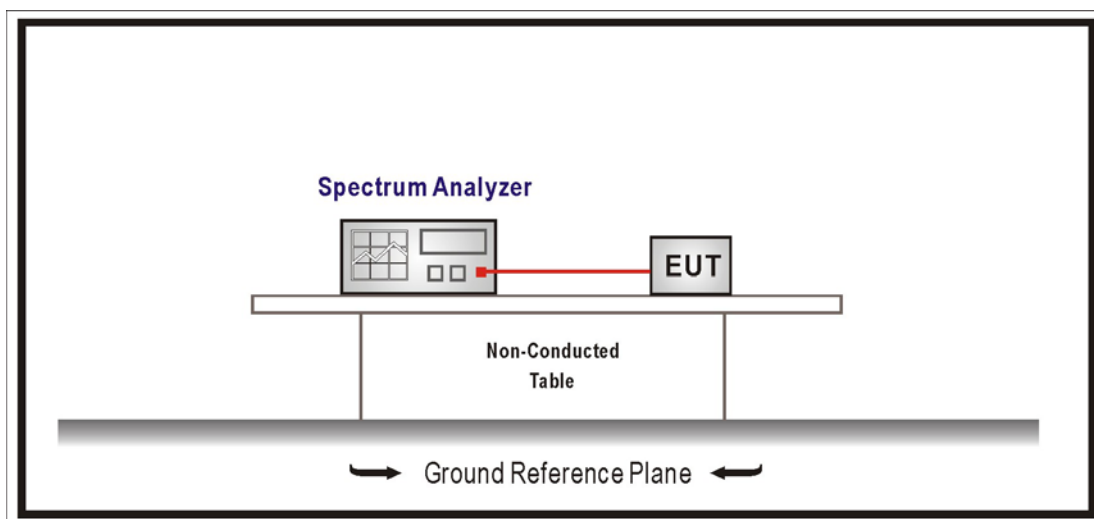
The following test equipment is used during the test:

Occupied Bandwidth / SR10-H

| Instrument                 | Manufacturer | Model No. | Serial No  | Next Cal. Date |
|----------------------------|--------------|-----------|------------|----------------|
| Signal & Spectrum Analyzer | R&S          | FSV40     | 101049     | 2017/01/23     |
| EXA Signal Analyzer        | Keysight     | N9010A    | MY51440132 | 2017/03/13     |
| Spectrum Analyzer          | Agilent      | N9010A    | US47140172 | 2017/07/26     |

Note: All equipment that need to calibrate are with calibration period of 1 year.

### 9.2. Test Setup



### **9.3. Limits**

N/A

### **9.4. Test Procedures**

The EUT was setup according to ANSI C63.10:2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Use the following spectrum analyzer settings:

Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel

RBW  $\geq$  1% of the 20 dB bandwidth, VBW  $\geq$  RBW , Sweep = auto, Detector function = peak,

Trace = max hold , The EUT should be transmitting at its maximum data rate.

### **9.5. Test Specification**

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

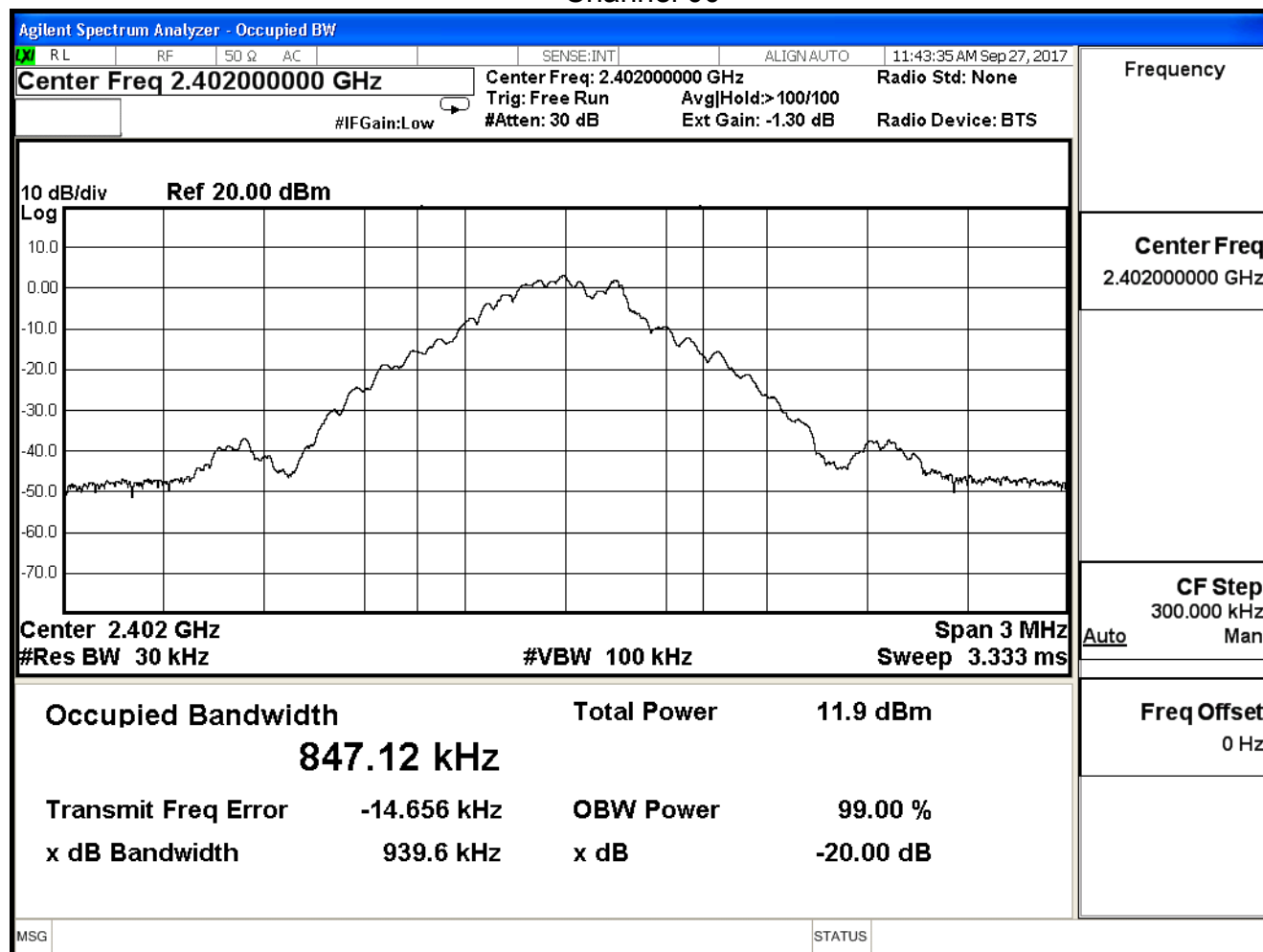
## 9.6. Test Result

|              |                    |           |        |
|--------------|--------------------|-----------|--------|
| Product      | Multimedia System  |           |        |
| Test Item    | Occupied Bandwidth |           |        |
| Test Mode    | Mode 1: Transmit   |           |        |
| Date of Test | 2017/09/27         | Test Site | SR10-H |

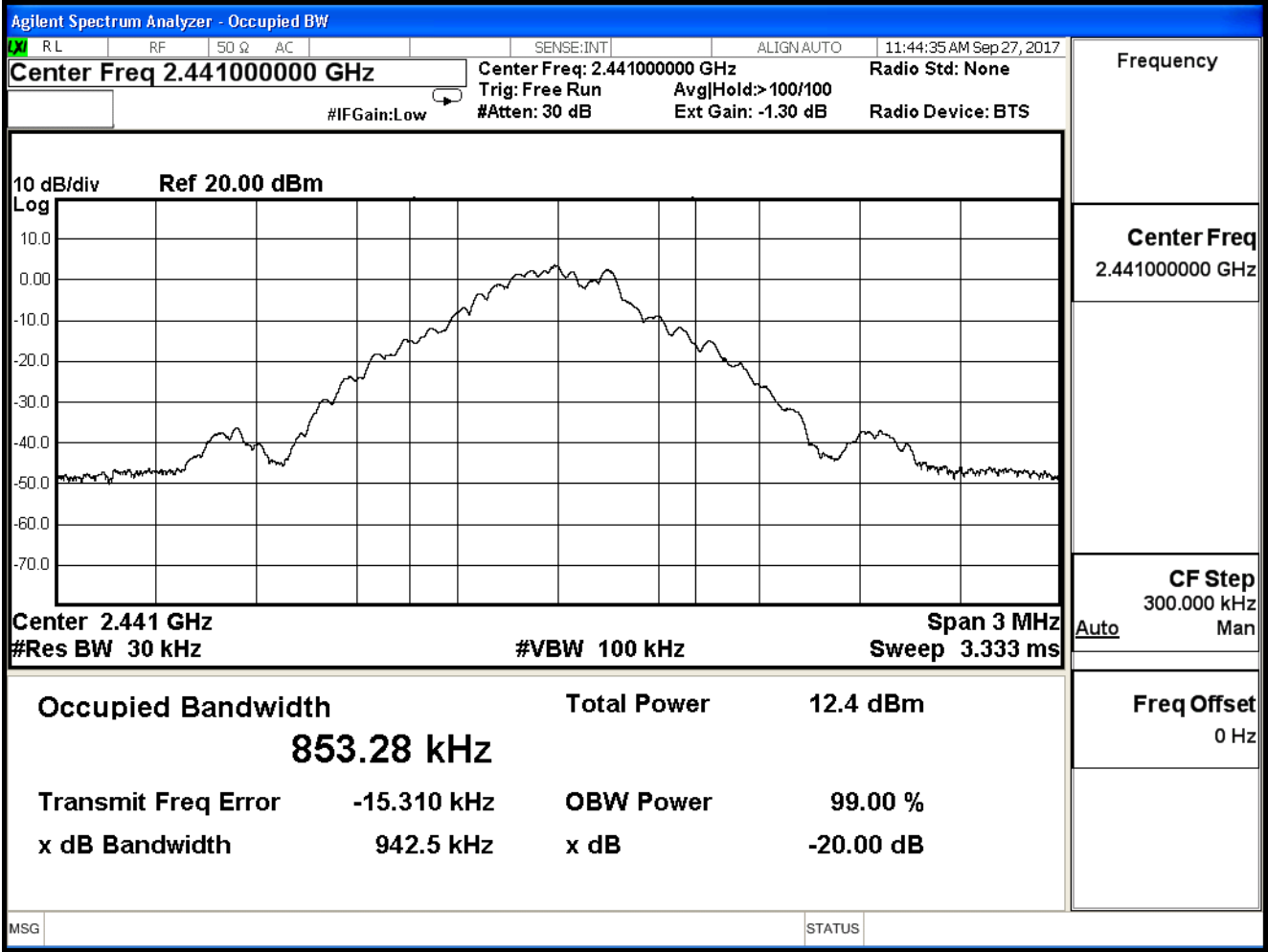
### GFSK

| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 00          | 2402            | 0.940               | --          | Pass   |
| 39          | 2441            | 0.943               | --          | Pass   |
| 78          | 2480            | 0.942               | --          | Pass   |

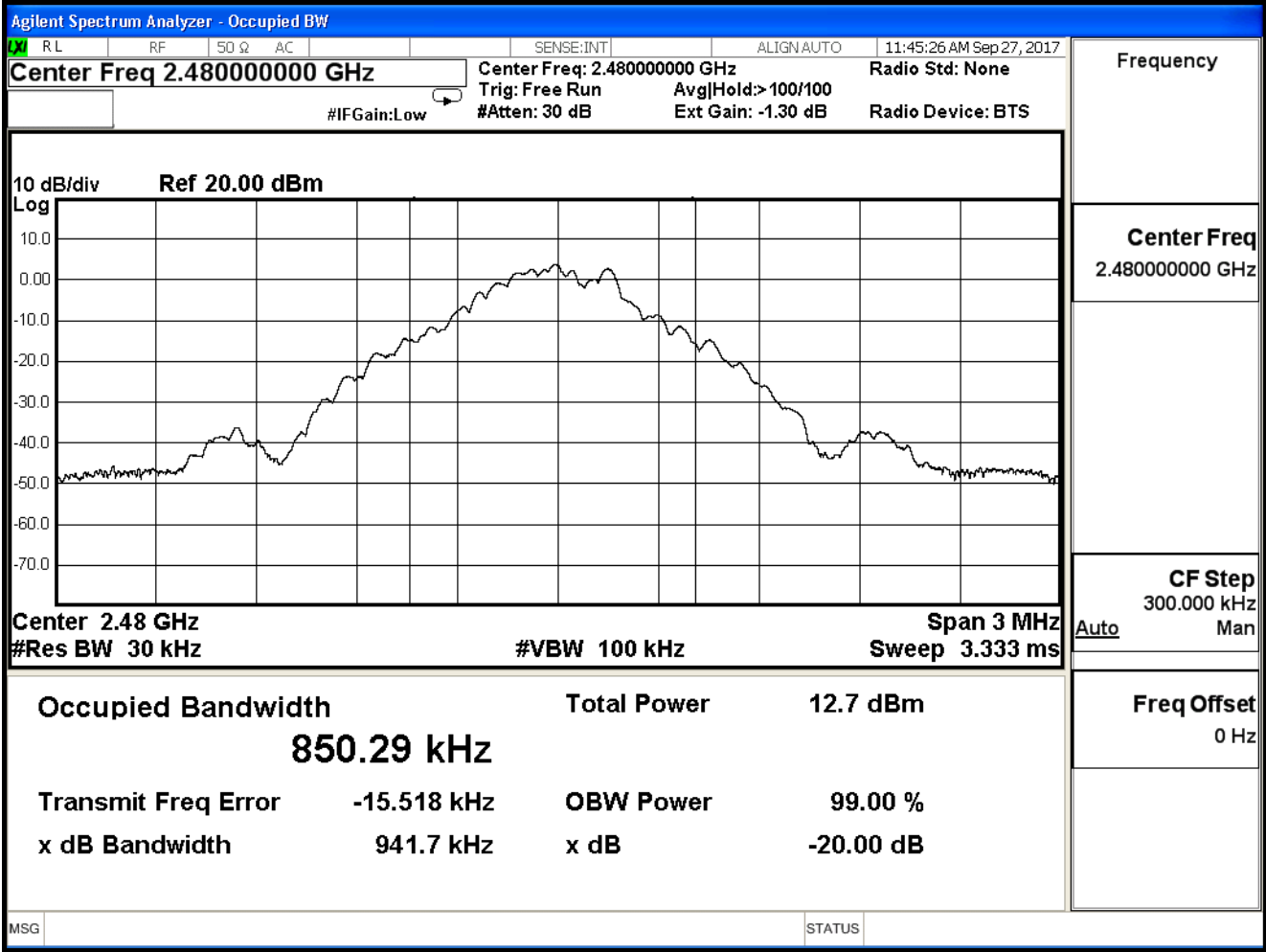
### Channel 00



Channel 39



Channel 78

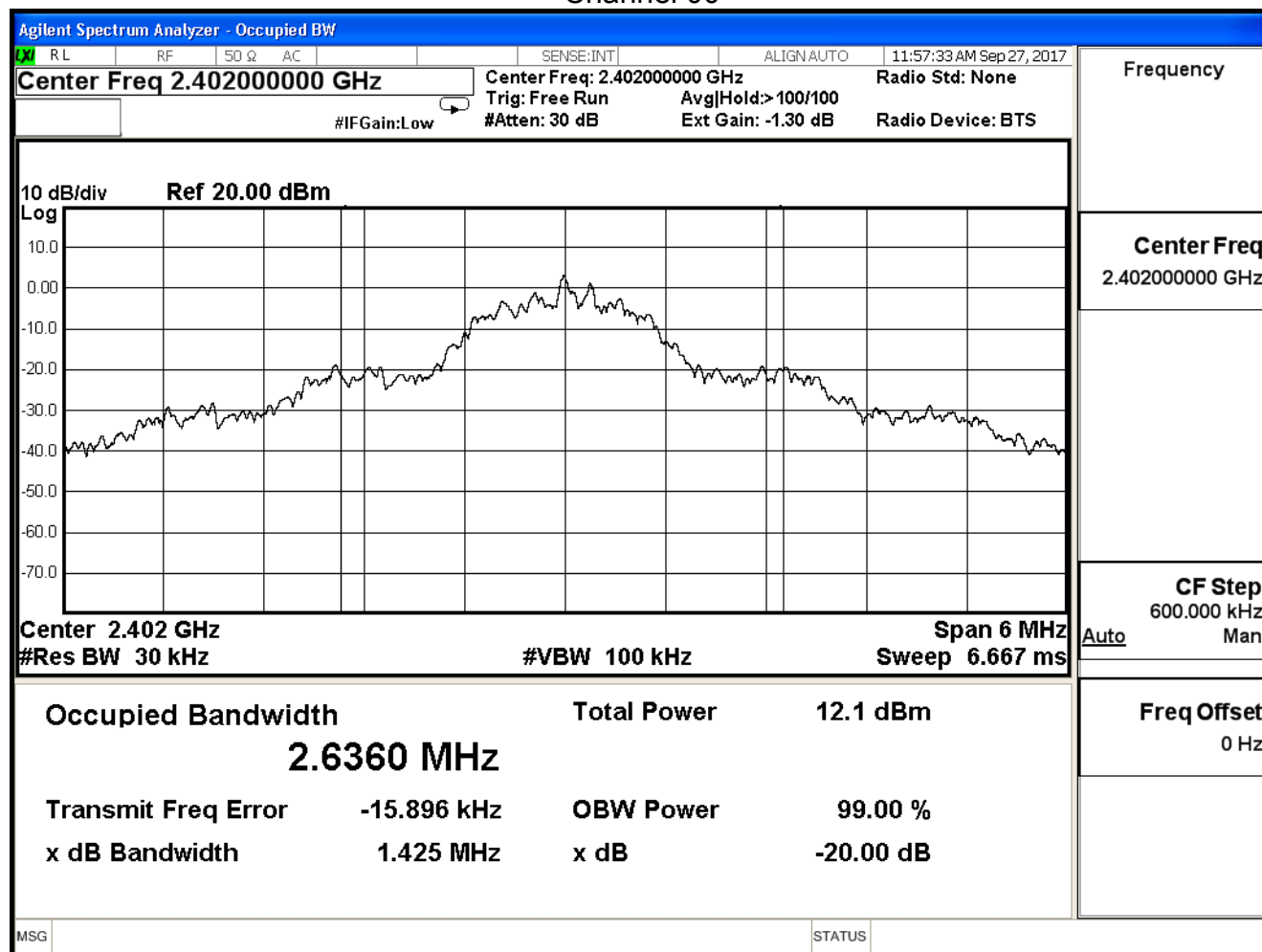


|              |                    |           |        |
|--------------|--------------------|-----------|--------|
| Product      | Multimedia System  |           |        |
| Test Item    | Occupied Bandwidth |           |        |
| Test Mode    | Mode 1: Transmit   |           |        |
| Date of Test | 2017/09/27         | Test Site | SR10-H |

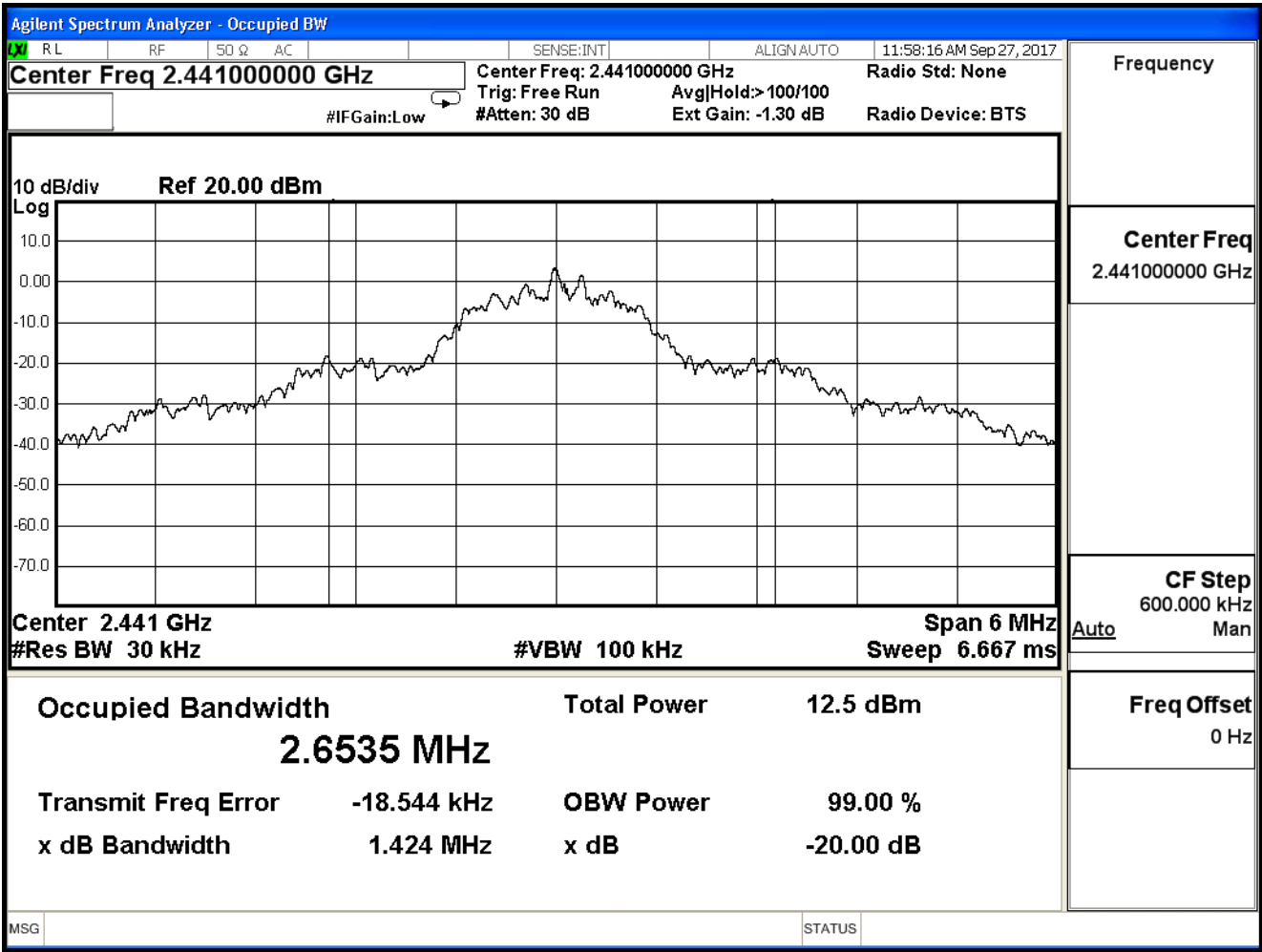
 $\pi/4$ -DQPSK

| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 00          | 2402            | 1.425               | --          | Pass   |
| 39          | 2441            | 1.424               | --          | Pass   |
| 78          | 2480            | 1.426               | --          | Pass   |

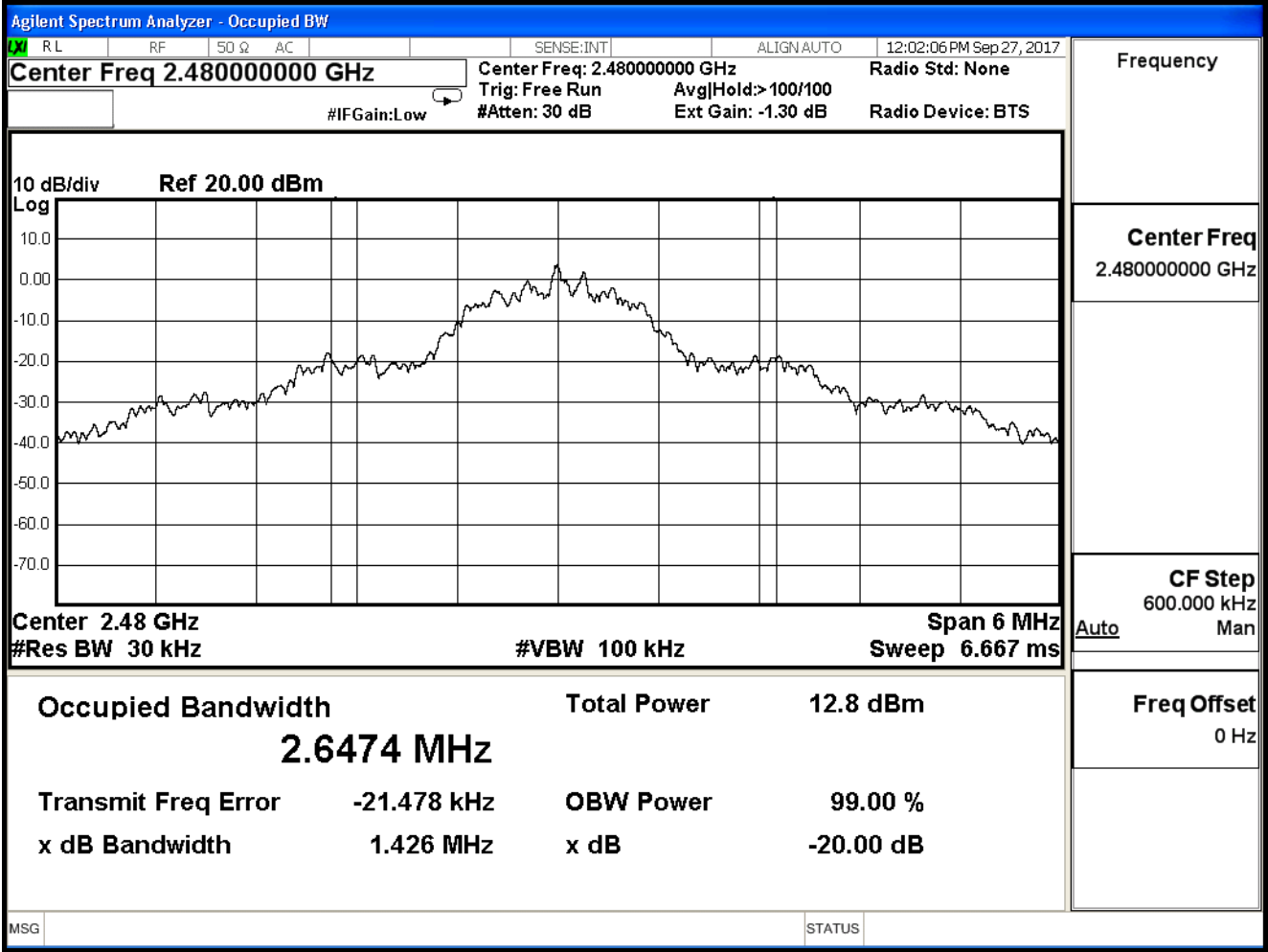
## Channel 00



Channel 39



Channel 78

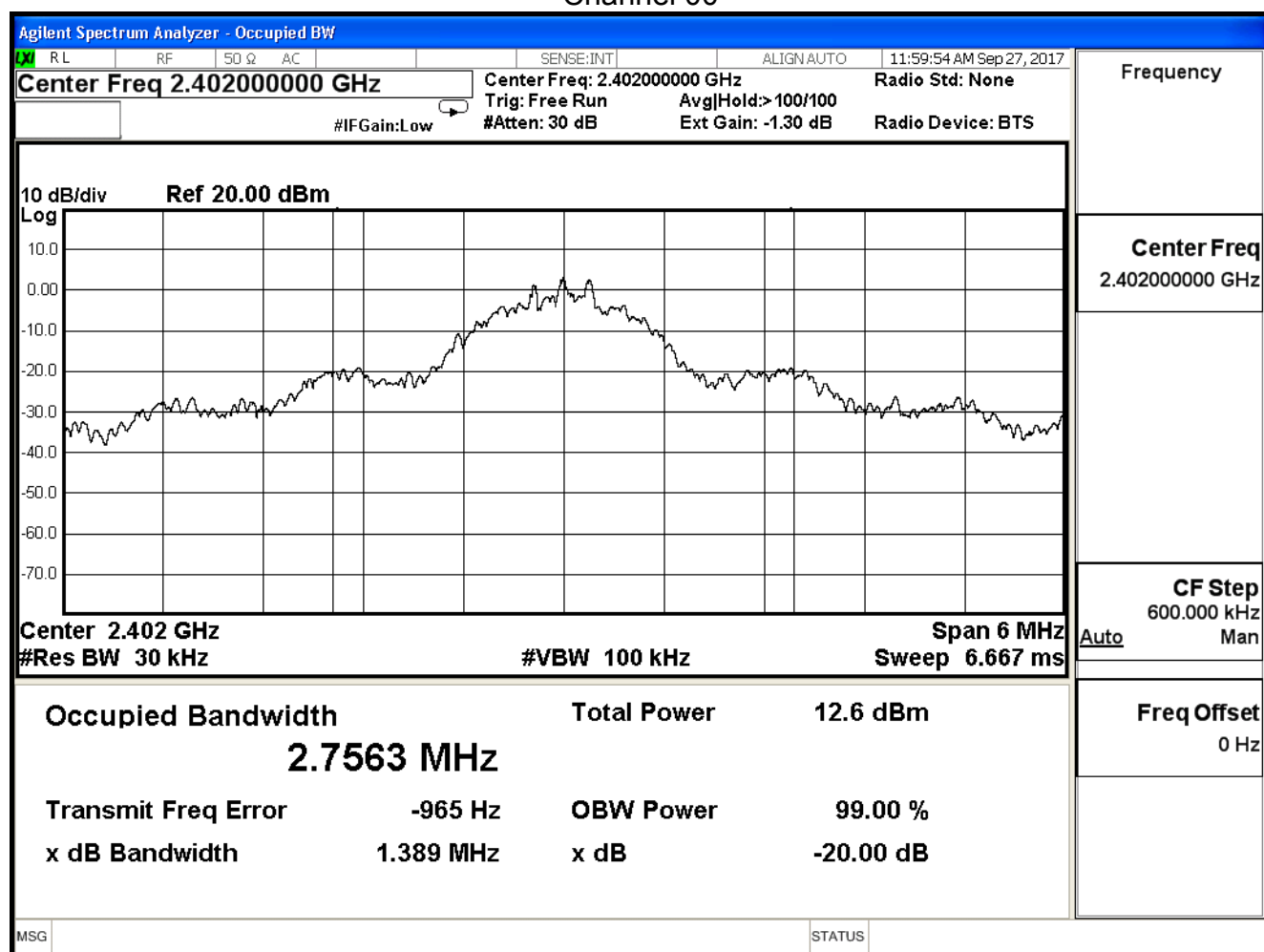


|              |                    |           |        |
|--------------|--------------------|-----------|--------|
| Product      | Multimedia System  |           |        |
| Test Item    | Occupied Bandwidth |           |        |
| Test Mode    | Mode 1: Transmit   |           |        |
| Date of Test | 2017/09/27         | Test Site | SR10-H |

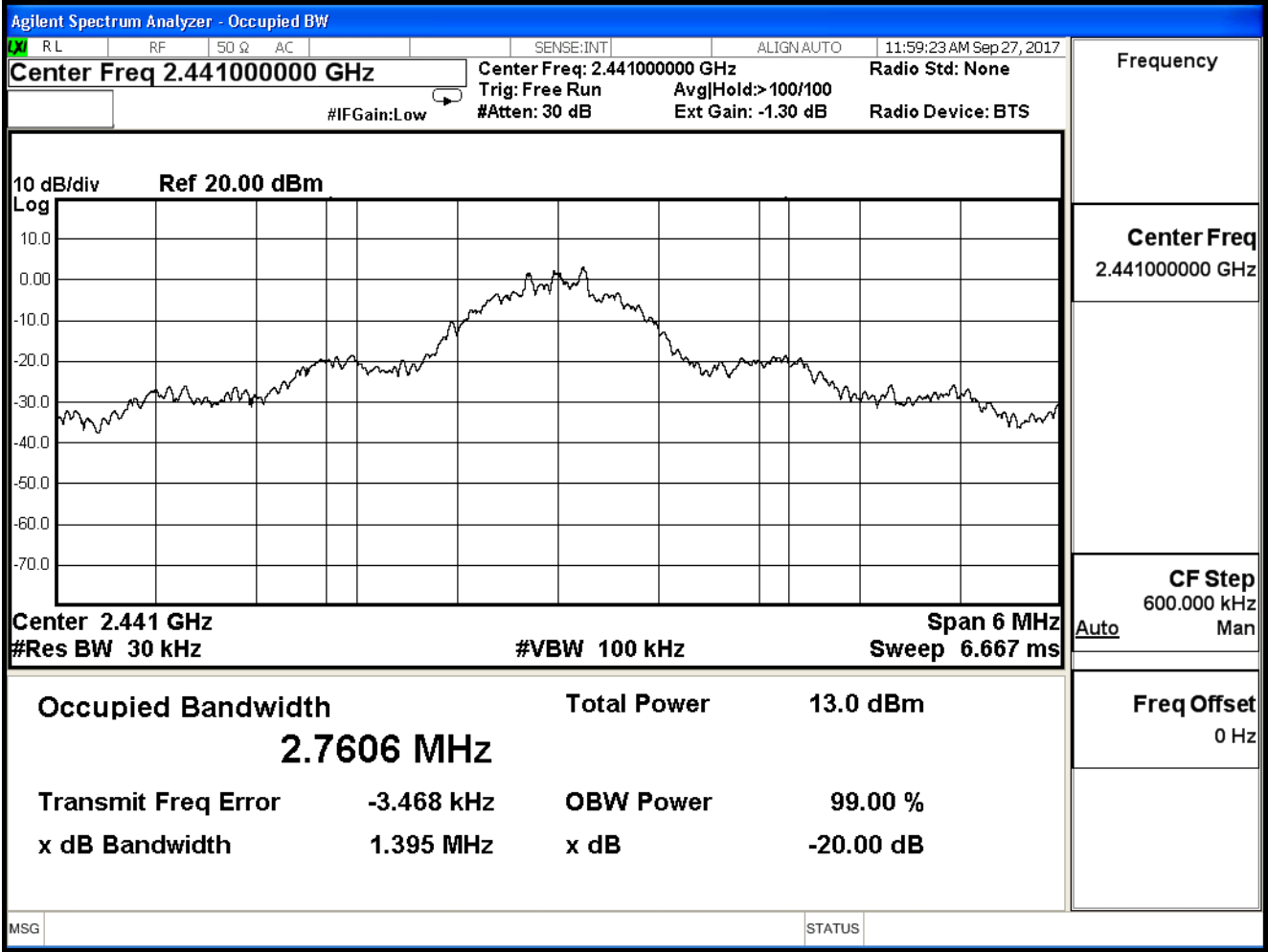
## 8-DPSK

| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 00          | 2402            | 1.389               | --          | Pass   |
| 39          | 2441            | 1.395               | --          | Pass   |
| 78          | 2480            | 1.389               | --          | Pass   |

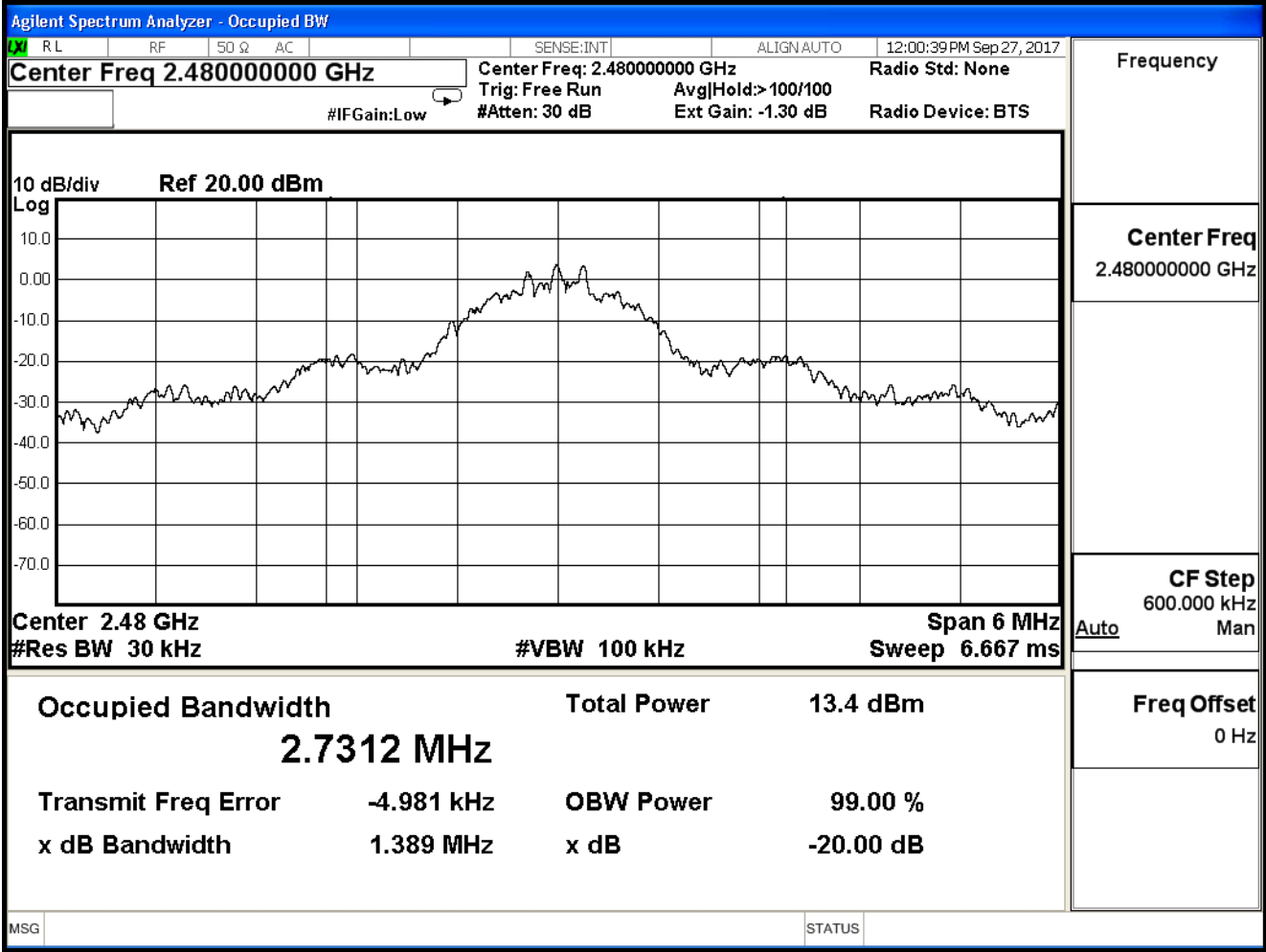
## Channel 00



Channel 39



Channel 78



## 10. Dwell Time

### 10.1. Test Equipment

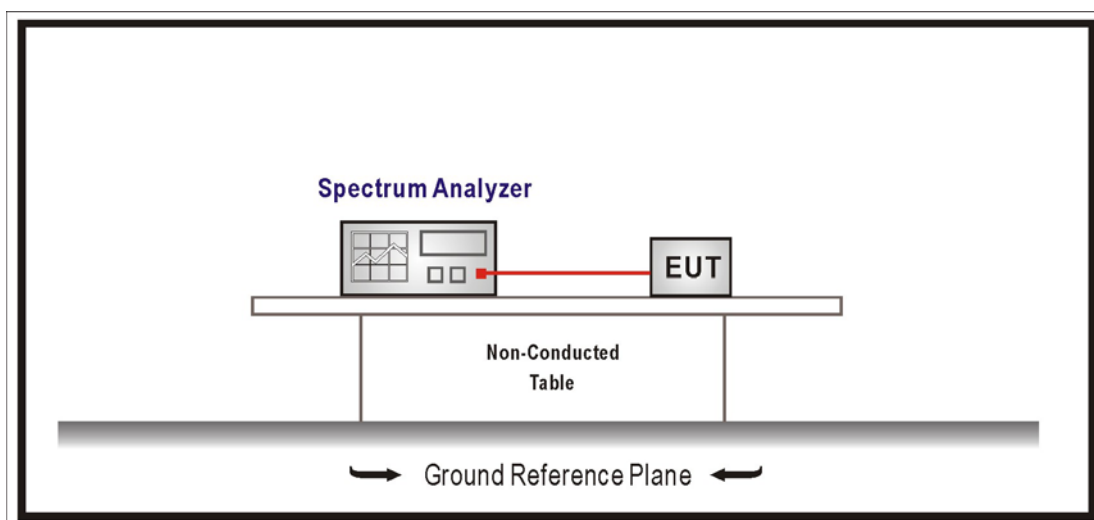
The following test equipment is used during the test:

Dwell Time / SR10-H

| Instrument                 | Manufacturer | Model No. | Serial No  | Next Cal. Date |
|----------------------------|--------------|-----------|------------|----------------|
| Signal & Spectrum Analyzer | R&S          | FSV40     | 101049     | 2017/01/23     |
| EXA Signal Analyzer        | Keysight     | N9010A    | MY51440132 | 2017/03/13     |

Note: All equipment that need to calibrate are with calibration period of 1 year.

### 10.2. Test Setup



### 10.3. Limits

For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. For frequency hopping systems operating in the 2400-2483.5 MHz bands. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. For frequency hopping systems operating in the 5725-5850 MHz bands. The average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

### 10.4. Test Procedures

The EUT was setup according to ANSI C63.10:2013 and tested according to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements

Span = zero span, centered on a hopping channel , RBW = 1 MHz, VBW  $\geq$  RBW ,  
Sweep = as necessary to capture the entire dwell time per hopping channel ,  
Detector function = peak, Trace = max hold.

### 10.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

## 10.6. Test Result

|              |                   |           |        |
|--------------|-------------------|-----------|--------|
| Product      | Multimedia System |           |        |
| Test Item    | Dwell Time        |           |        |
| Test Mode    | Mode 1: Transmit  |           |        |
| Date of Test | 2017/09/27        | Test Site | SR10-H |

GFSK, DH5

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period:  $0.4 \times 79 = 31.60\text{sec}$  , Time slot length : 2.894 ms = 0.002894 sec

Dwell Time : 0.002894  $\times (266.67/79) \times 31.60 =$  0.3087 sec °

B) 2441MHz Test Time Period:  $0.4 \times 79 = 31.60\text{sec}$  , Time slot length : 2.896 ms = 0.002896 sec

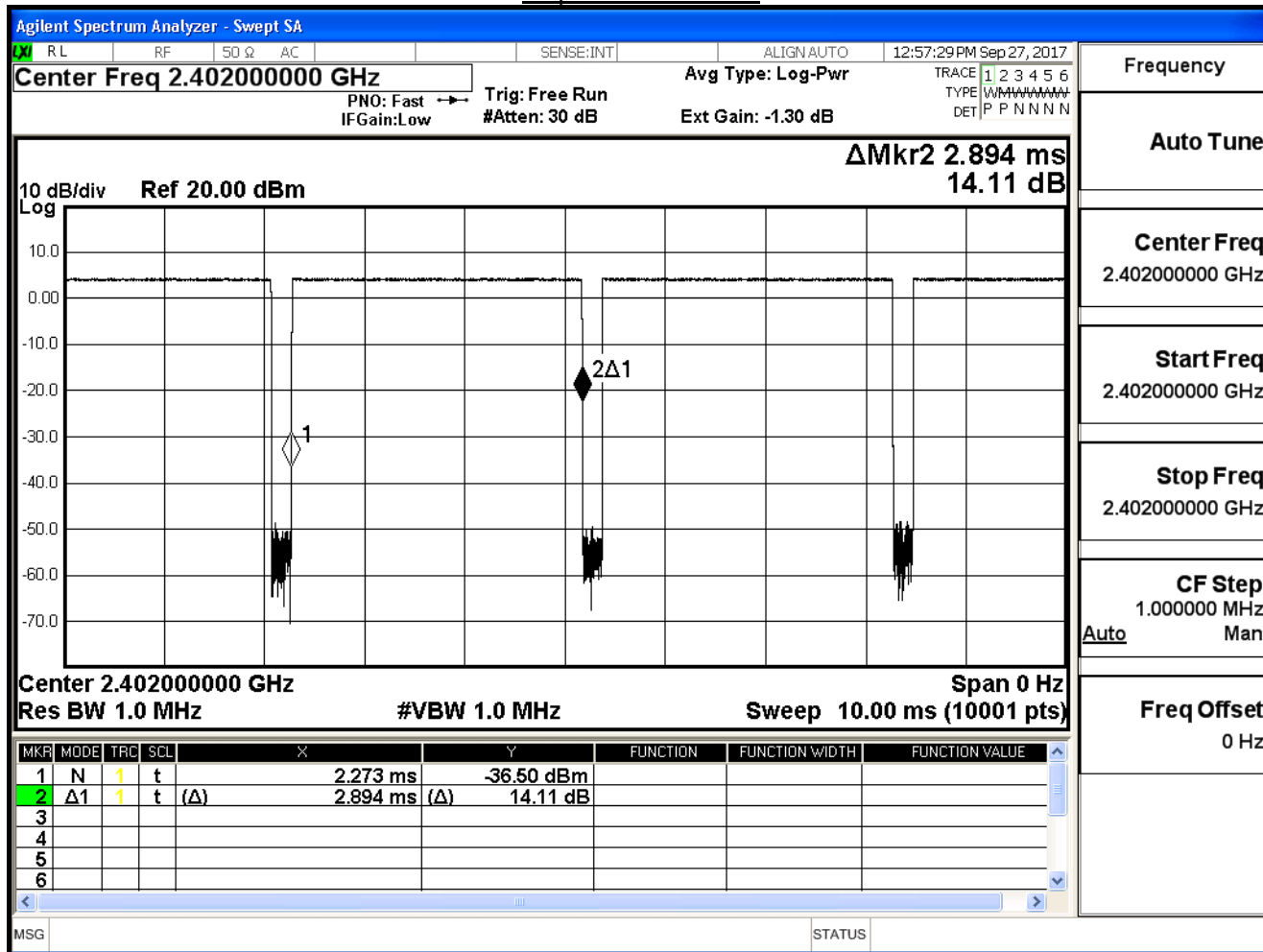
Dwell Time : 0.002896  $\times (266.67/79) \times 31.60 =$  0.3089 sec °

C) 2480MHz Test Time Period:  $0.4 \times 79 = 31.60\text{sec}$  , Time slot length : 2.893 ms = 0.002893 sec

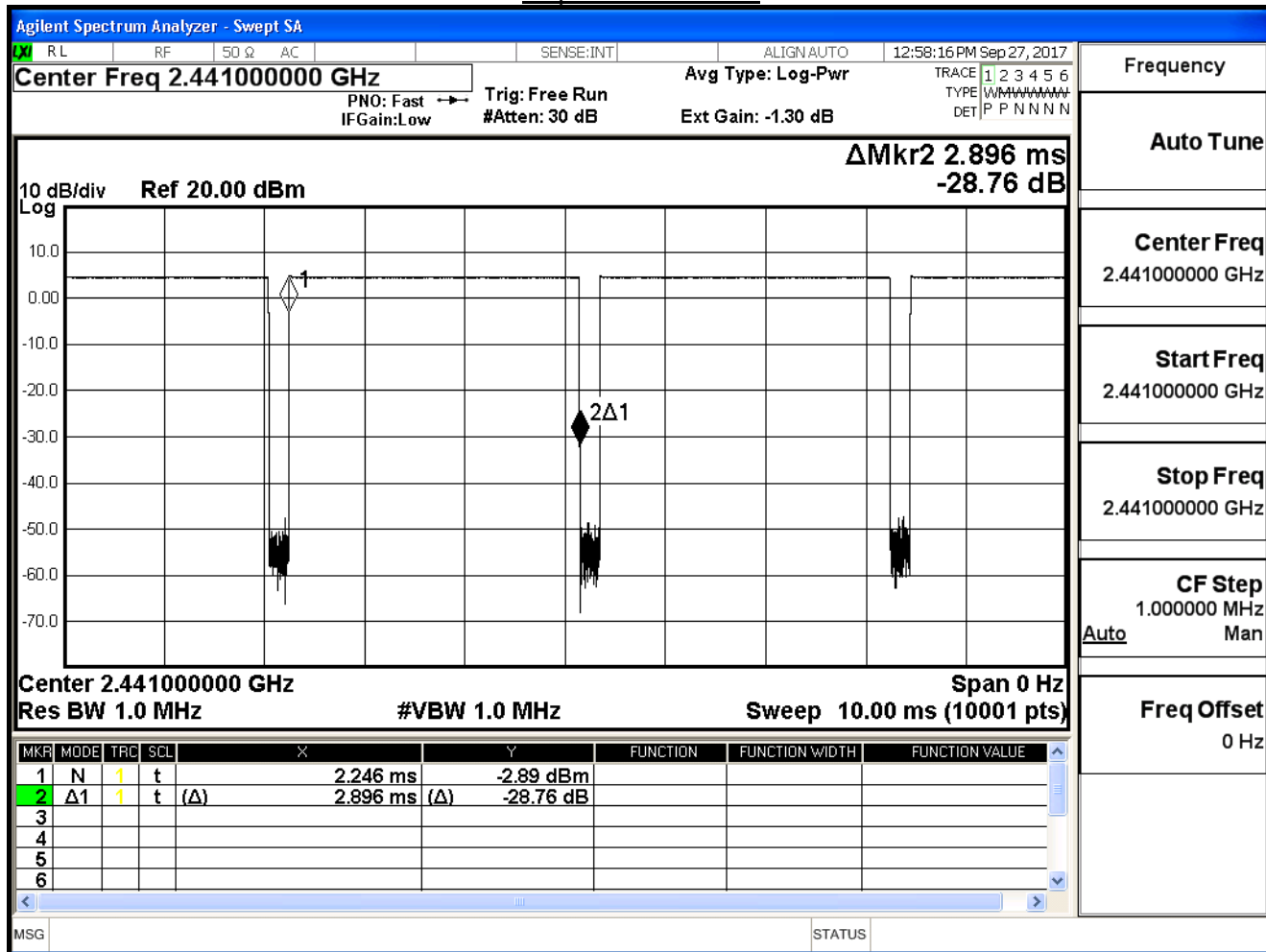
Dwell Time : 0.002893  $\times (266.67/79) \times 31.60 =$  0.3086 sec °

Test Result: The Average Occupancy Time of Each Highest , Middle and Lowest Channel Is Less Than 0.4sec , And Corresponds to The Standard °

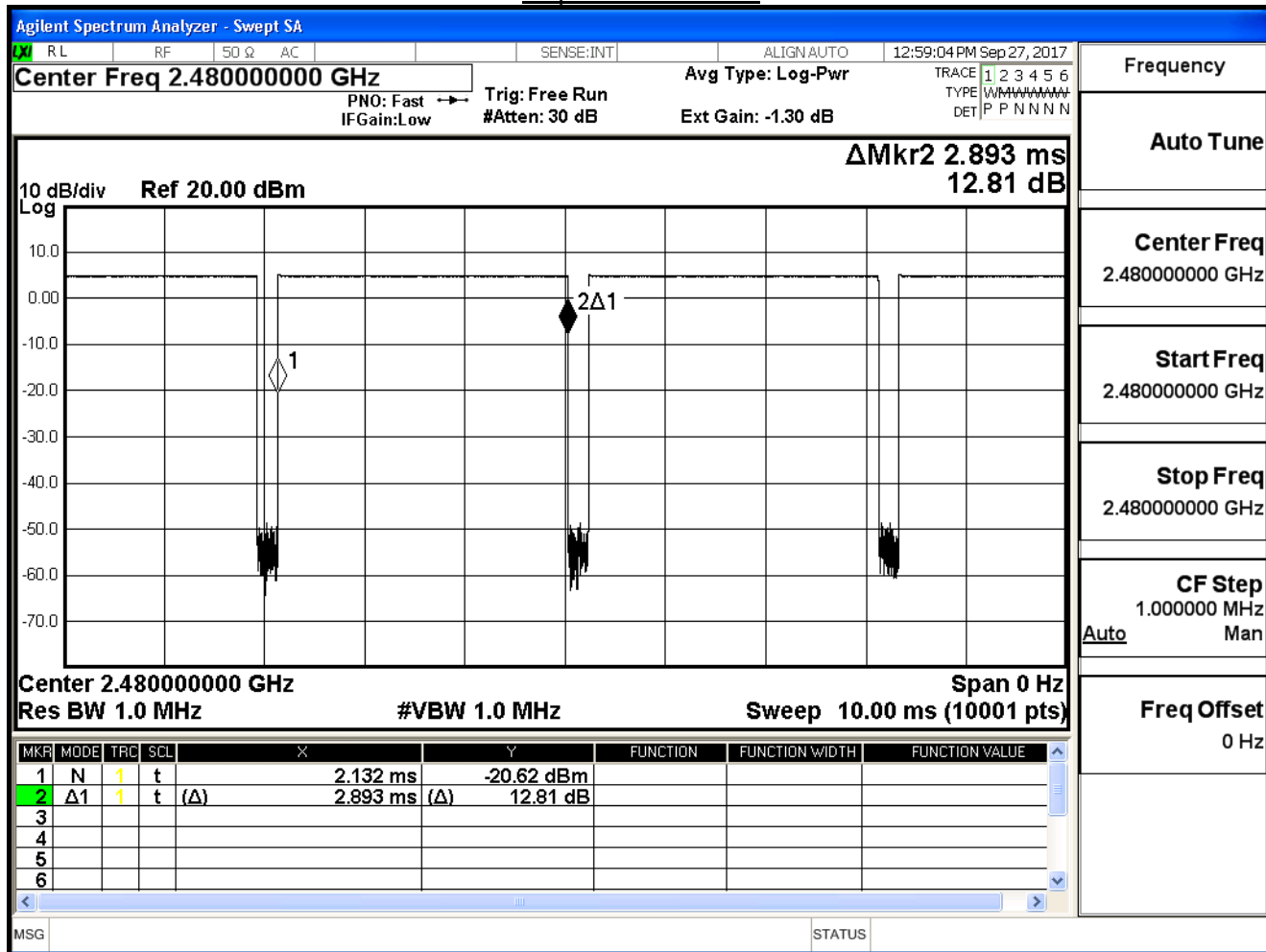
## Hop rate-2402MHz



## Hop rate-2441MHz



## Hop rate-2480MHz



Note: Dwell time = time slot length \* hop rate / number of hopping channels \* period

|              |                   |           |        |
|--------------|-------------------|-----------|--------|
| Product      | Multimedia System |           |        |
| Test Item    | Dwell Time        |           |        |
| Test Mode    | Mode 1: Transmit  |           |        |
| Date of Test | 2017/09/27        | Test Site | SR10-H |

$\pi/4$ -DQPSK, 2DH5

Occupancy Time of Frequency Hopping System

A) 2402MHz Test Time Period:  $0.4 \times 79 = 31.60\text{sec}$  , Time slot length : 2.904 ms = 0.002904 sec

Dwell Time : 0.002904 \* (266.67/79) \* 31.60 = 0.3098 sec °

B) 2441MHz Test Time Period:  $0.4 \times 79 = 31.60\text{sec}$  , Time slot length : 2.901 ms = 0.002901 sec

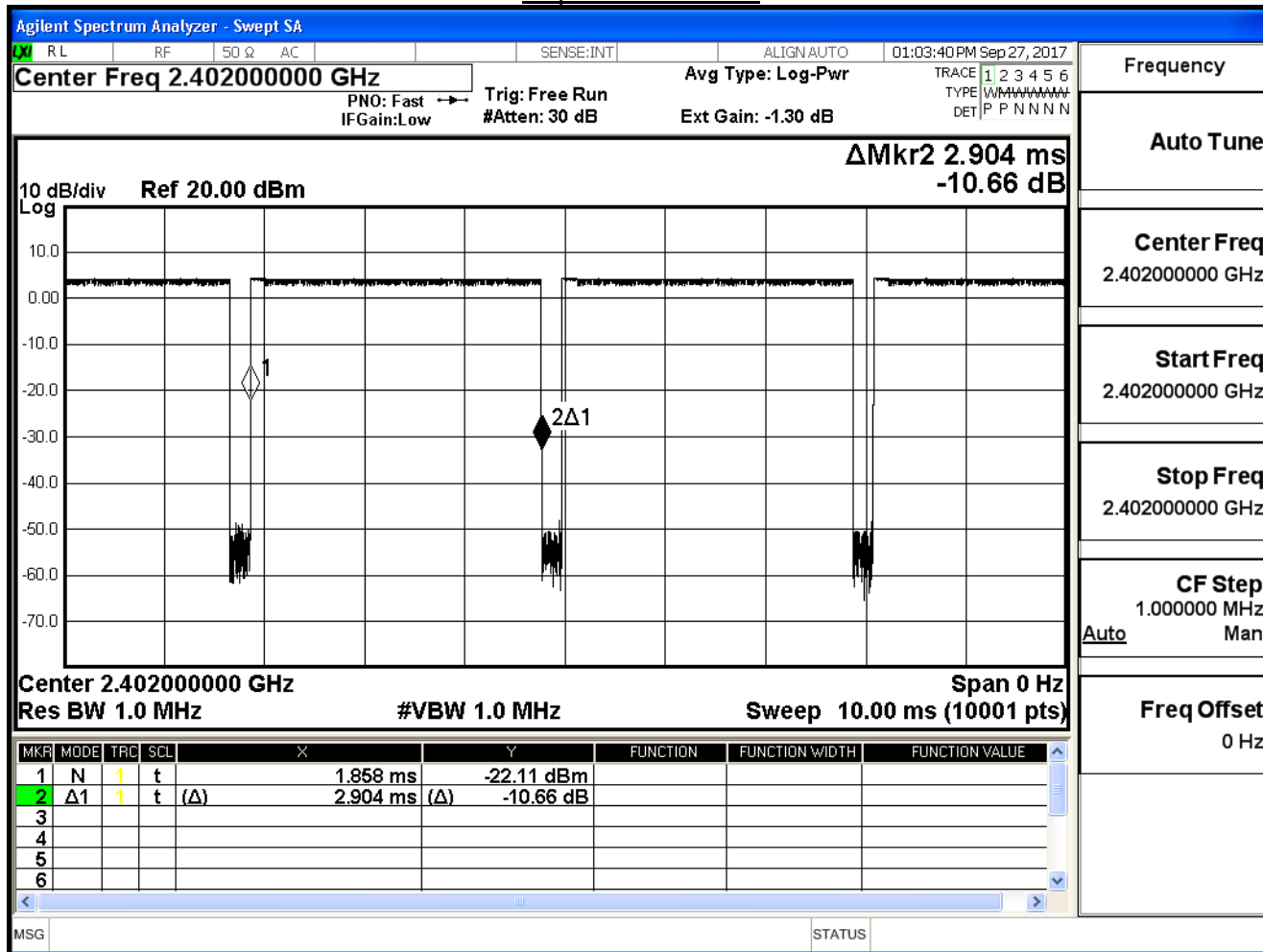
Dwell Time : 0.002901 \* (266.67/79) \* 31.60 = 0.3094 sec °

C) 2480MHz Test Time Period:  $0.4 \times 79 = 31.60\text{sec}$  , Time slot length : 2.903 ms = 0.002903 sec

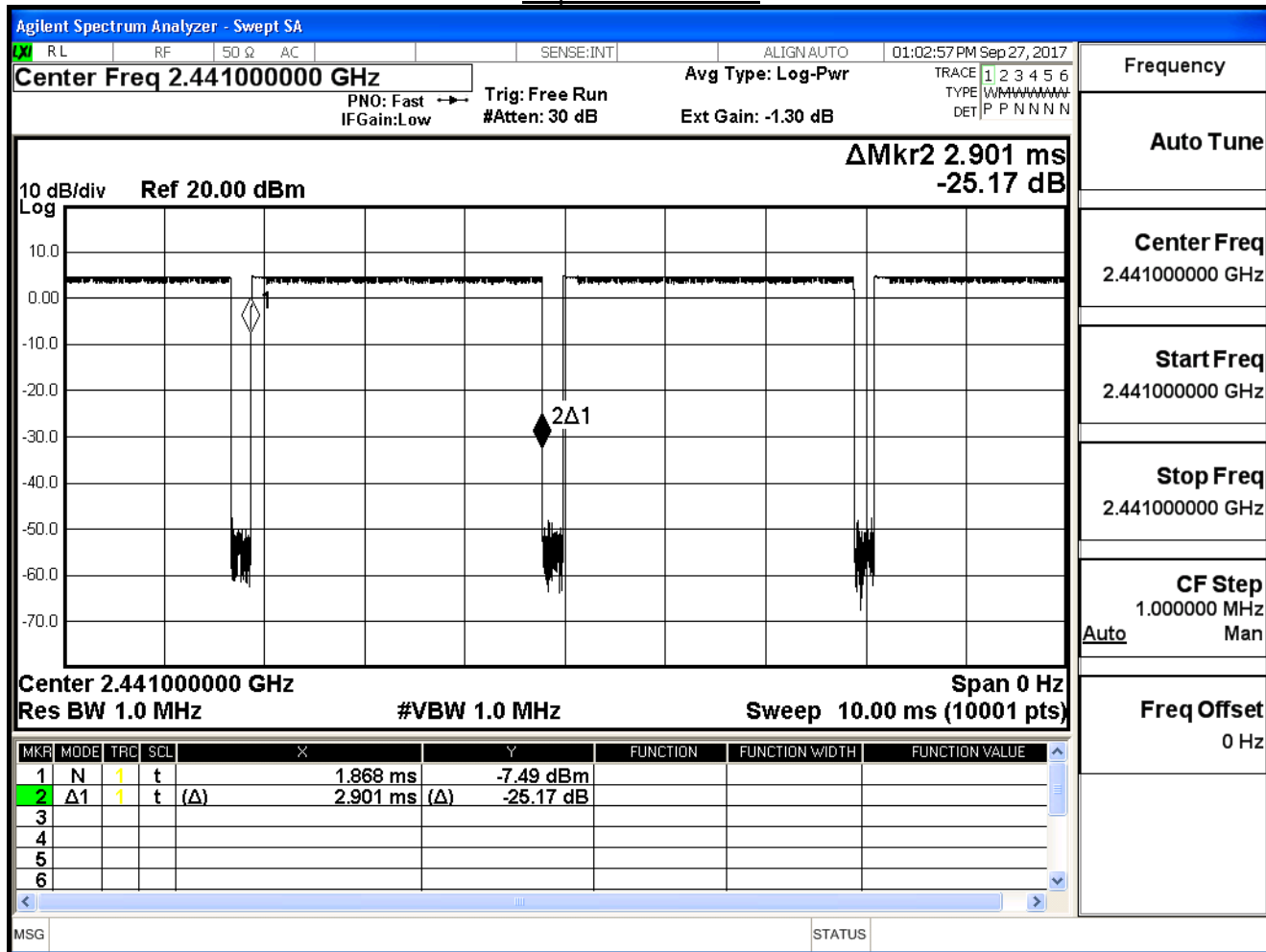
Dwell Time : 0.002903 \* (266.67/79) \* 31.60 = 0.3097 sec °

Test Result: The Average Occupancy Time of Each Highest , Middle and Lowest Channel Is Less Than 0.4sec , And Corresponds to The Standard °

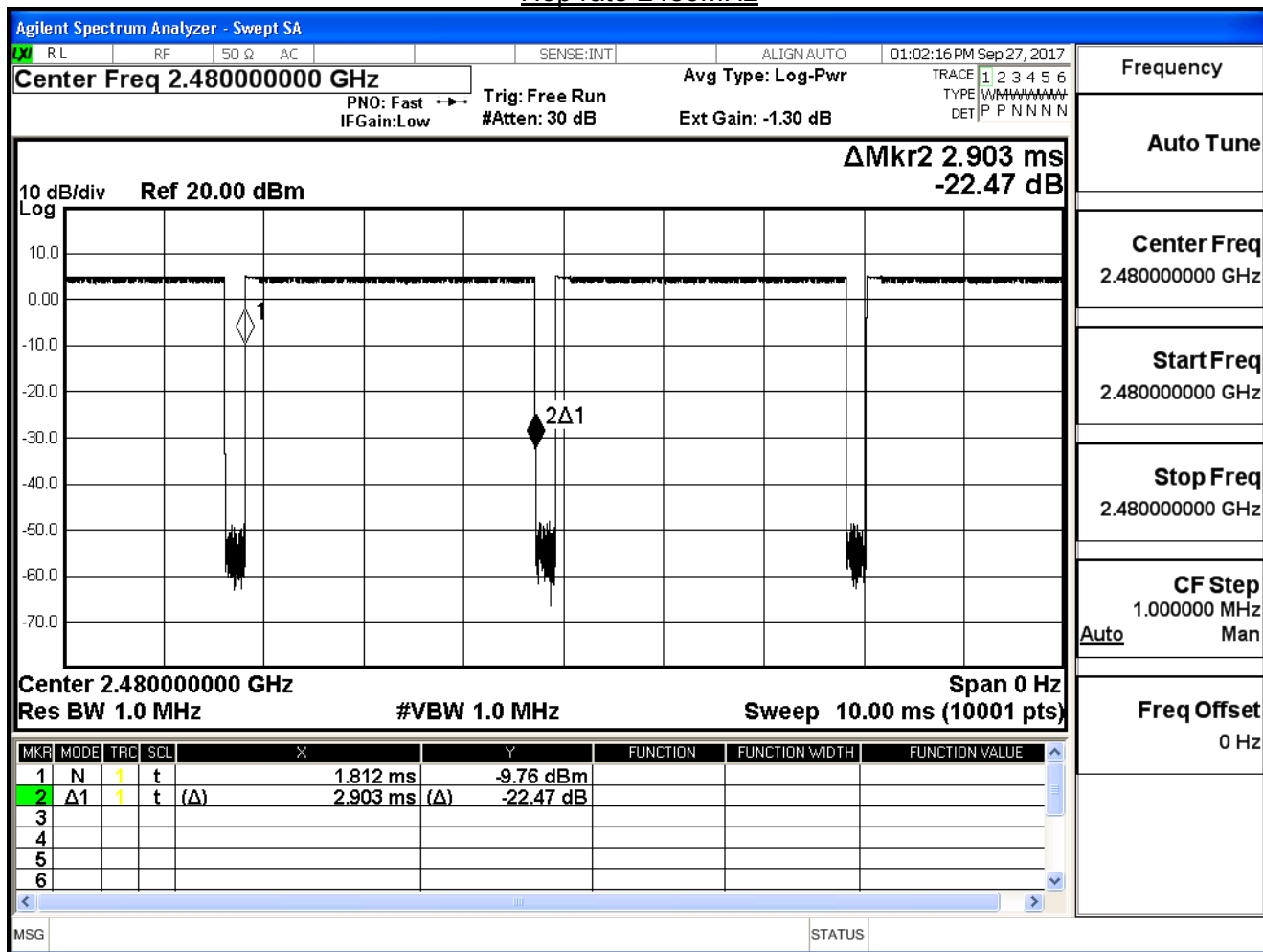
## Hop rate-2402MHz



## Hop rate-2441MHz



## Hop rate-2480MHz



Note: Dwell time = time slot length \* hop rate / number of hopping channels \* period

|              |                   |           |        |
|--------------|-------------------|-----------|--------|
| Product      | Multimedia System |           |        |
| Test Item    | Dwell Time        |           |        |
| Test Mode    | Mode 1: Transmit  |           |        |
| Date of Test | 2017/09/27        | Test Site | SR10-H |

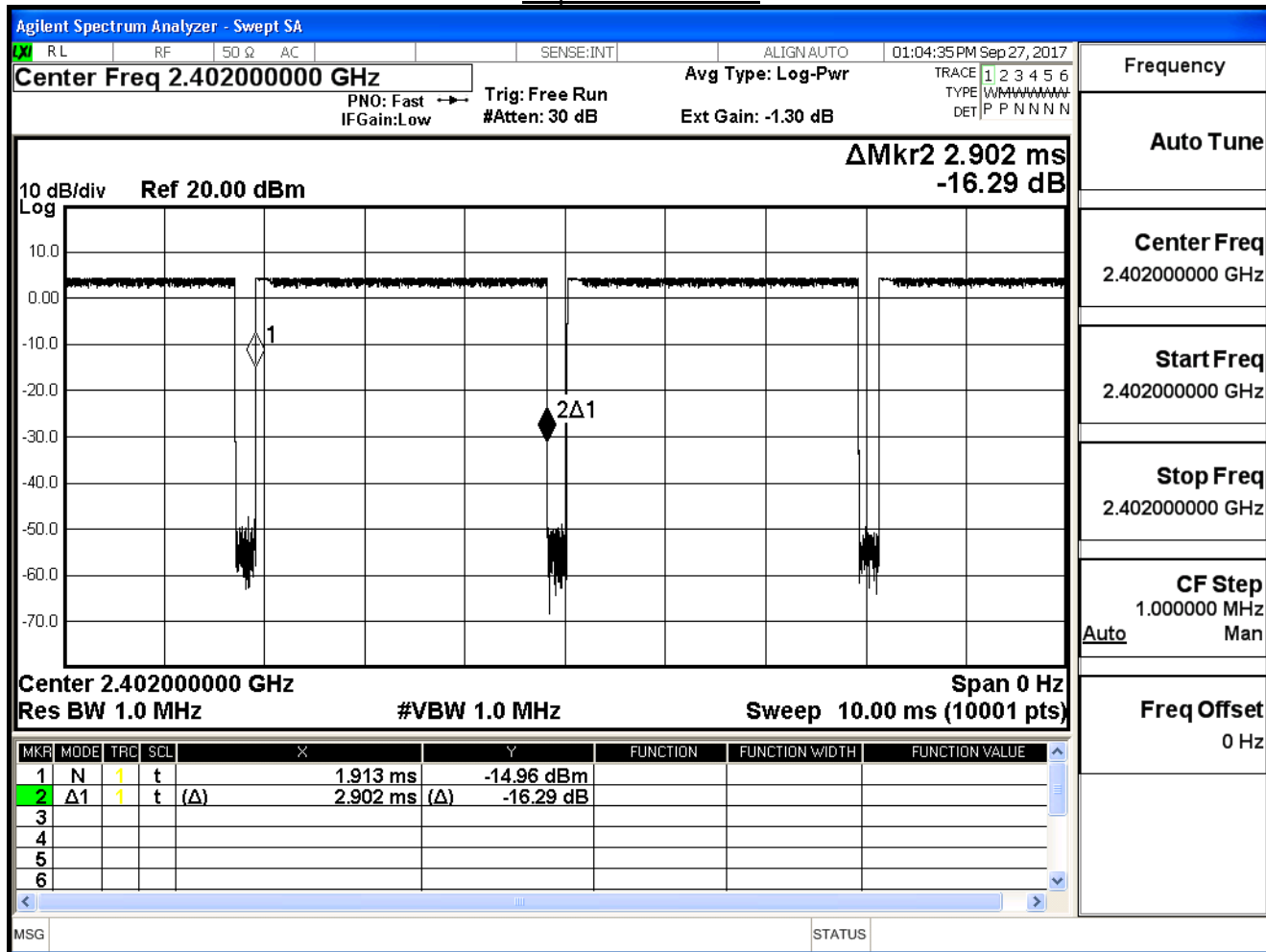
## 8-DPSK, 3DH5

Occupancy Time of Frequency Hopping System

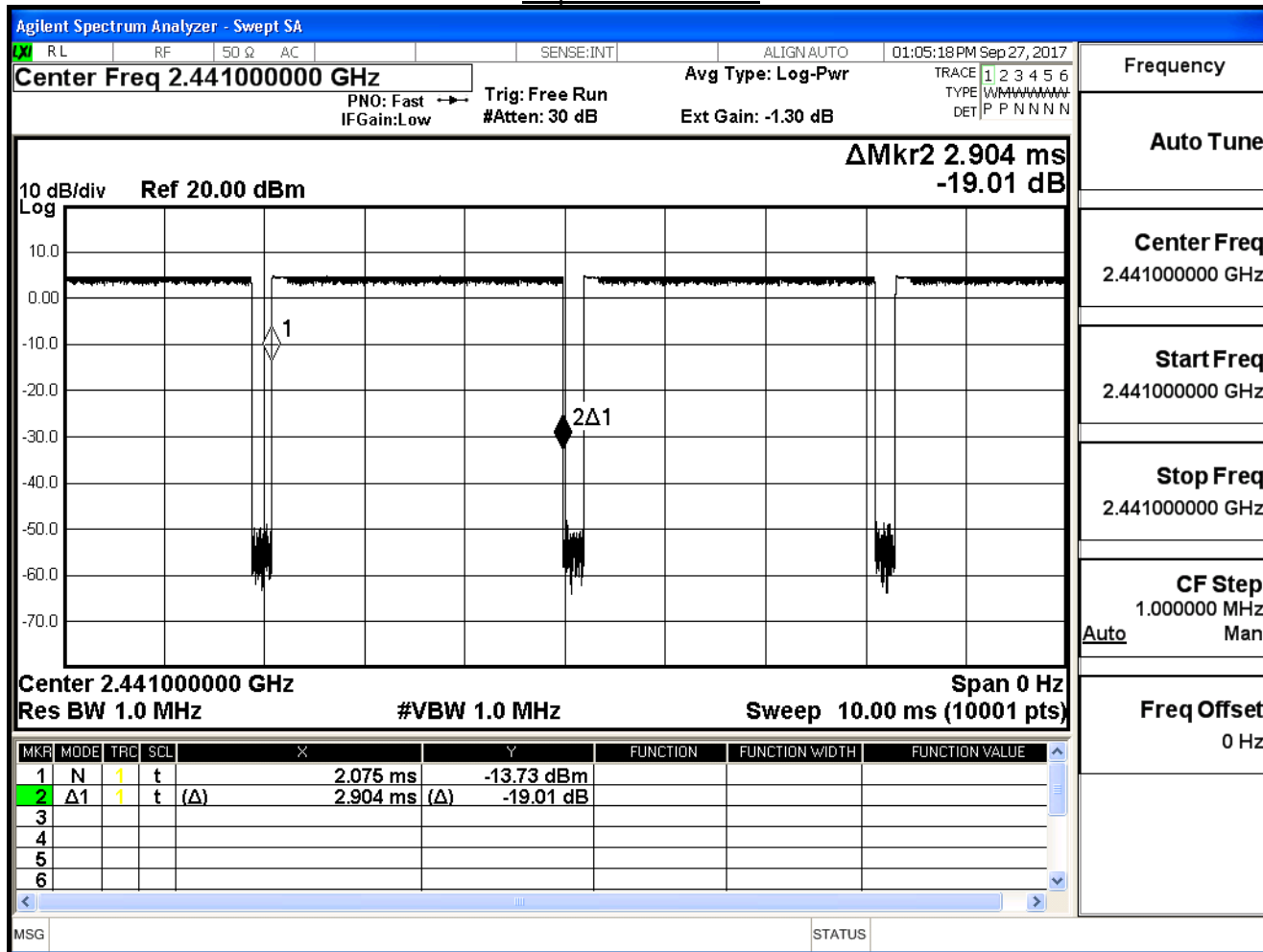
A) 2402MHz Test Time Period:  $0.4 \times 79 = 31.60\text{sec}$  , Time slot length : 2.902ms = 0.002902 secDwell Time : 0.002902 \* (266.67/79) \* 31.60 = 0.3096 sec °B) 2441MHz Test Time Period:  $0.4 \times 79 = 31.60\text{sec}$  , Time slot length : 2.904 ms = 0.002904 secDwell Time : 0.002904 \* (266.67/79) \* 31.60 = 0.3098 sec °C) 2480MHz Test Time Period:  $0.4 \times 79 = 31.60\text{sec}$  , Time slot length : 2.904 ms = 0.002904 secDwell Time : 0.002904 \* (266.67/79) \* 31.60 = 0.3098 sec °

Test Result: The Average Occupancy Time of Each Highest , Middle and Lowest Channel Is Less Than 0.4sec , And Corresponds to The Standard °

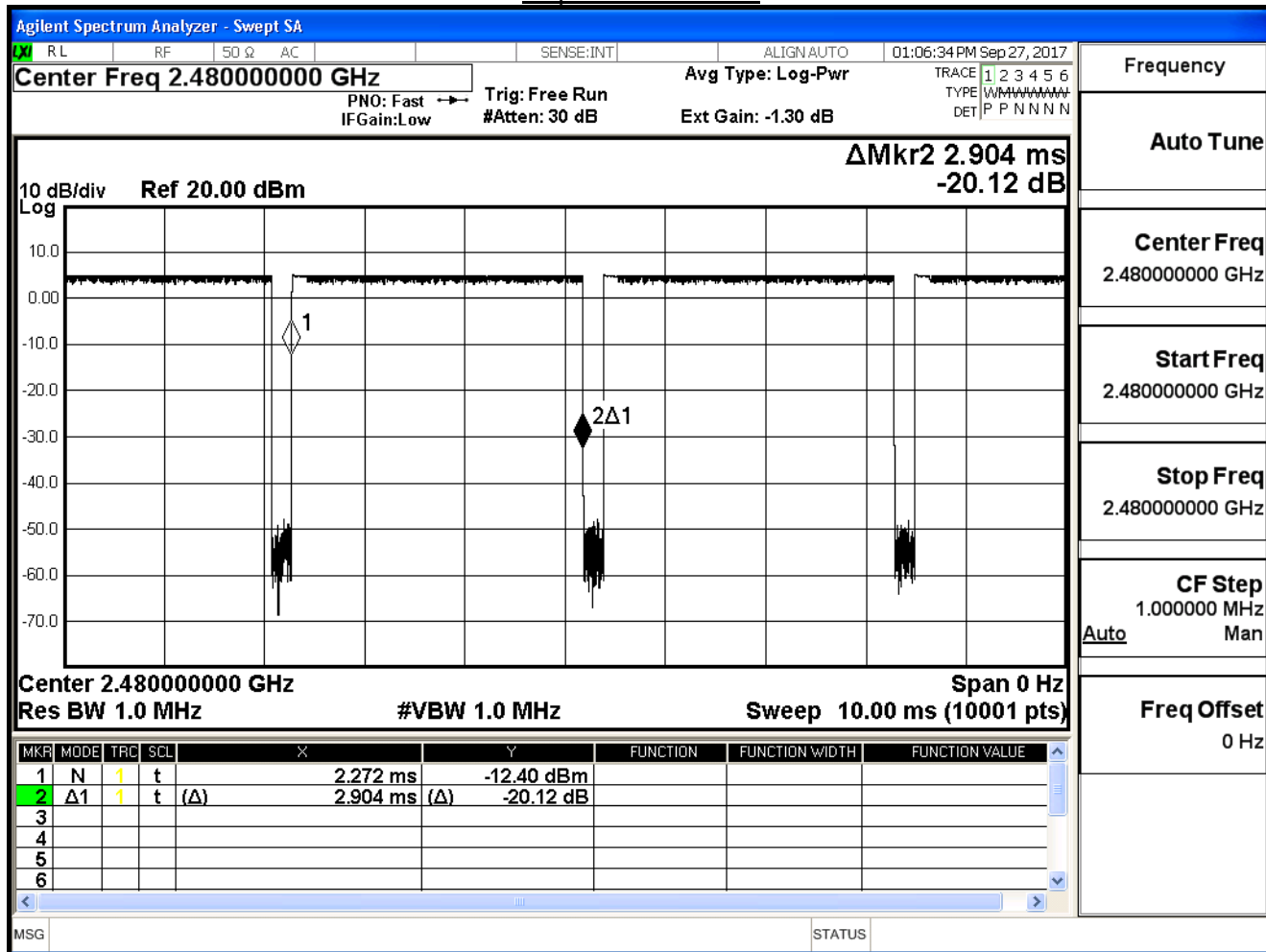
## Hop rate-2402MHz



## Hop rate-2441MHz



## Hop rate-2480MHz



Note: Dwell time = time slot length \* hop rate / number of hopping channels \* period