



# MEASUREMENT REPORT (Class II Change)

## FCC PART 15.247 WLAN 802.11b/g/n

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**FCC ID:** 2AKWYPFB201

**APPLICANT:** DynaScan Technology Corp.

**Application Type:** Certification

**Product:** Liquid crystal display devices

**Model No.:** PFB201

**Host Product Number:** Liquid crystal display devices

**Host Model No.:** DS491LT6

**Brand Name:** **DynaScan**

**FCC Classification:** (DTS) Digital Transmission System

**FCC Rule Part(s):** Part 15.247

**Test Procedure(s):** ANSI C63.10-2013, KDB 558074 D01v04  
KDB 996369 D01 v01r04

**Test Date:** June 28~30, 2017

Test By : *Kevin Ker*  
( Kevin Ker )

Reviewed By : *Paddy Chen*  
( Paddy Chen )

Approved By : *Chenz Ker*  
( Chenz Ker )



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB 558074 D01v04. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Taiwan) Co., Ltd.

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## Revision History

| Report No.    | Version | Description     | Issue Date | Note |
|---------------|---------|-----------------|------------|------|
| 1707TW0702-U1 | 1.0     | Original Report | 2017-07-13 |      |

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## §2.1033 General Information

|                                  |                                                                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicant:</b>                | DynaScan Technology Corp.                                                                                                       |
| <b>Applicant Address:</b>        | 66 Huaya 1st Road, Guishan, Taoyuan 33383, Taiwan                                                                               |
| <b>Manufacturer:</b>             | DynaScan Technology Corp.                                                                                                       |
| <b>Manufacturer Address:</b>     | 66 Huaya 1st Road, Guishan, Taoyuan 33383, Taiwan                                                                               |
| <b>Test Site:</b>                | MRT Technology (Taiwan) Co., Ltd                                                                                                |
| <b>Test Site Address:</b>        | No. 38, Fuxing Second Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)                                                      |
| <b>MRT FCC Registration No.:</b> | 291082                                                                                                                          |
| <b>FCC Rule Part(s):</b>         | Part 15.247                                                                                                                     |
| <b>Model No.:</b>                | PFB201                                                                                                                          |
| <b>Test Device Serial No.:</b>   | N/A <input type="checkbox"/> Production <input checked="" type="checkbox"/> Pre-Production <input type="checkbox"/> Engineering |

## Test Facility / Accreditations

1. MRT facility is a FCC registered ( Reg. No. 291082) test facility with the site description report on file and is designated by the FCC as an Accredited Test Film.
2. MRT facility is an IC registered (MRT Reg. No. 21723-1) test laboratory with the site description on file at Industry Canada.
3. MRT Lab is accredited to ISO 17025 by the Taiwan Accreditation Foundation (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC, Industry Taiwan, EU and TELEC Rules.

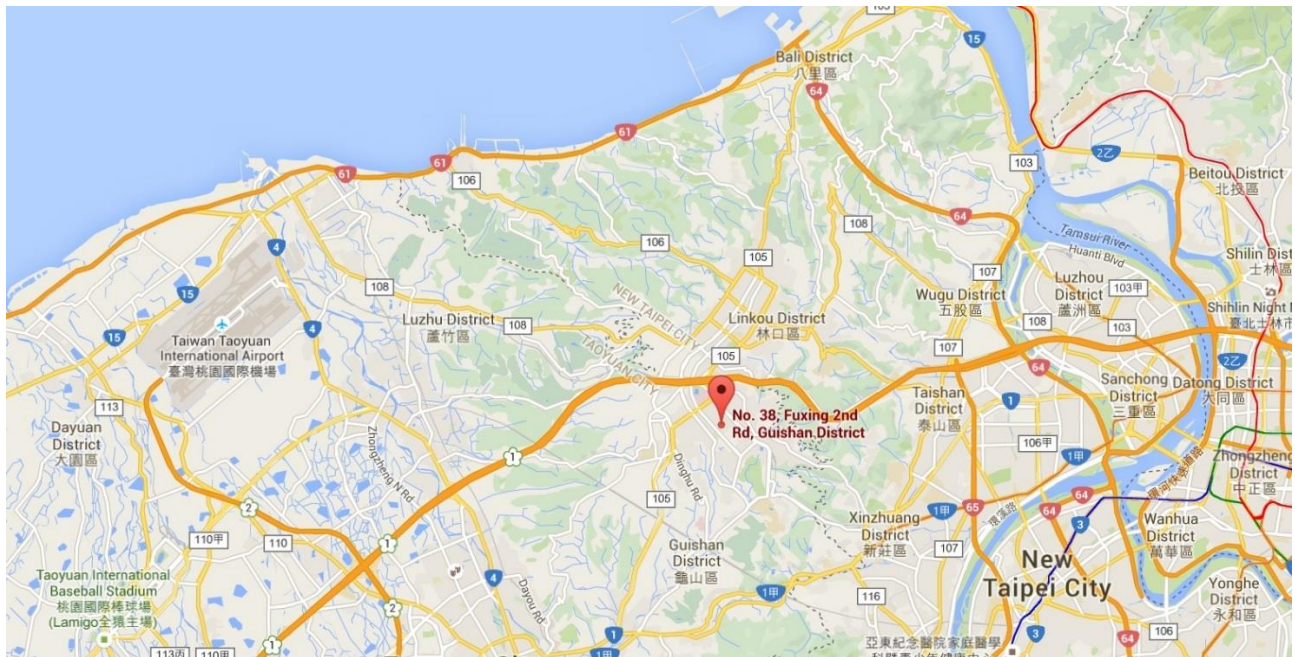
## 1. INTRODUCTION

### 1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

### 1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taoyuan City. These measurement tests were conducted at the MRT Technology (Taiwan) Co., Ltd. Facility located at No.38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C).



## 2. PRODUCT INFORMATION

### 2.1. Equipment Description

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| Product Name                     | Liquid crystal display devices                                                                    |
| Model No.                        | PFB201                                                                                            |
| Brand Name                       | <b>DynaScan</b>                                                                                   |
| Supports Radios Spec.            | WLAN : 2.4G : 802.11b/g/n-20/n-40                                                                 |
| Wi-Fi Specification              | 802.11b/g/n                                                                                       |
| Frequency Range                  | <b><u>2.4GHz:</u></b><br>For 802.11b/g/n-20M: 2412 ~ 2462 MHz<br>For 802.11n-40M: 2422 ~ 2452 MHz |
| 2.4GHz Maximum Output Peak Power | 802.11b: 17.88 dBm<br>802.11g: 22.72 dBm<br>802.11n-20M: 21.99 dBm<br>802.11n-40M: 21.91 dBm      |
| Type of Modulation               | 802.11b: DSSS, DBPSK, DQPSK, CCK<br>802.11g/n-20M/n-40M: OFDM ( BPSK, QPSK, 16QAM, 64QAM )        |

Note: Base on limit module PFB201 (Grant Date : 02/17/2017,FCC ID : 2AKWYPFB201),Since add new host, so the C2PC (Radiated Spurious Emission & AC Line Conducted Emission ) is executed.

Host Product Number: Liquid crystal display devices;

Host Model Number: DS491LT6.

## 2.2. Working Frequencies for this Report

802.11b/g/n-20M

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|
| 01      | 2412 MHz  | 02      | 2417 MHz  | 03      | 2422 MHz  |
| 04      | 2427 MHz  | 05      | 2432 MHz  | 06      | 2437 MHz  |
| 07      | 2442 MHz  | 08      | 2447 MHz  | 09      | 2452 MHz  |
| 10      | 2457 MHz  | 11      | 2462 MHz  | --      | --        |

802.11n-40M

| Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|
| 03      | 2422 MHz  | 04      | 2427 MHz  | 05      | 2432 MHz  |
| 06      | 2437 MHz  | 07      | 2442 MHz  | 08      | 2447 MHz  |
| 09      | 2452 MHz  | --      | --        | --      | --        |

## 2.3. Test Mode

|           |                                 |
|-----------|---------------------------------|
| Test Mode | Mode 1: Transmit by 802.11b     |
|           | Mode 2: Transmit by 802.11g     |
|           | Mode 3: Transmit by 802.11n-20M |
|           | Mode 4: Transmit by 802.11n-40M |

## 2.4. Test Software

The test utility software used during testing was “REALTEK WLAN Test\_V1.9.0”.

## **2.5. Test Configuration**

This device was tested per the guidance of KDB 558074 D01v04. ANSI C63.10-2013 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.

## **2.6. EMI Suppression Device(s)/Modifications**

No EMI suppression device(s) were added and/or no modifications were made during testing.

## **2.7. Labeling Requirements**

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase. However, when the device is so small wherein placement of the label with specified statement is not practical, only the FCC ID must be displayed on the device per Section 15.19(a)(5). Please see attachment for FCC ID label and label location.

### 3. DESCRIPTION of TEST

#### 3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Testing Unlicensed Wireless Devices (ANSI C63.10-2013), and the guidance provided in KDB 558074 D01v04 were used in the measurement of this device.

**Deviation from measurement procedure.....None**

#### 3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 9'x4'x3' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment which determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions are used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.10-2013.

Line conducted emissions test results are shown in Section 7.5.

### 3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. A MF Model 210SS turntable is used for radiated measurement. It is a continuously rotatable, remote controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm high PVC support structure is placed on top of the turntable.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up for frequencies below 1GHz was placed on top of the 0.8 meter high, 1 x 1.5 meter table; and test set-up for frequencies 1-40GHz was placed on top of the 1.5 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, which produced the worst-case emissions. According to 3dB Beam-Width of horn antenna, the horn antenna should be always directed to the EUT when rising height.

Radiated emissions test results are shown in Section 7.3 & 7.4 .

#### 4. ANTENNA REQUIREMENTS

**Excerpt from §15.203 of the FCC Rules/Regulations:**

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna is permanently attached.
- There are no provisions for connection to an external antenna.

**Conclusion:**

This device unit complies with the requirement of §15.203.

Antenna List

| No. | Manufacturer | Part No.   | Antenna Type | Peak Gain |
|-----|--------------|------------|--------------|-----------|
| 1   | Walsin       | WE9G650002 | Metal        | 0.87 dBi  |

## 5. TEST EQUIPMENT CALIBRATION DATE

### Conducted Emissions – SR2

| Instrument         | Manufacturer | Type No.                    | Asset No.   | Cali. Interval | Cali. Due Date |
|--------------------|--------------|-----------------------------|-------------|----------------|----------------|
| EMI Test Receiver  | R&S          | ESR3                        | MRTTWA00009 | 1 year         | 2018/3/16      |
| Two-Line V-Network | R&S          | ENV216                      | MRTTWA00019 | 1 year         | 2018/3/15      |
| Two-Line V-Network | R&S          | ENV216                      | MRTTWA00020 | 1 year         | 2018/4/18      |
| Cable              | Rosnol       | N1C50-RG400-B1<br>C50-500CM | MRTTWE00013 | 1 year         | 2018/05/19     |

### Radiated Emissions – AC1

| Instrument               | Manufacturer     | Type No.                  | Asset No.   | Cali. Interval | Cali. Due Date |
|--------------------------|------------------|---------------------------|-------------|----------------|----------------|
| EMI Test Receiver        | R&S              | ESR3                      | MRTTWA00009 | 1 year         | 2018/3/16      |
| Broadband TRILOG Antenna | Schwarzbeck      | VULB 9162                 | MRTTWA00001 | 1 year         | 2018/5/14      |
| Active Loop Antenna      | Schwarzbeck      | FMZB 1519B                | MRTTWA00002 | 1 year         | 2018/4/13      |
| Broadband Horn antenna   | Schwarzbeck      | BBHA 9120D                | MRTTWA00003 | 1 year         | 2018/4/17      |
| Breitband Hornantenna    | Schwarzbeck      | BBHA 9170                 | MRTTWA00004 | 1 year         | 2018/4/24      |
| Broadband Preamplifier   | Schwarzbeck      | BBV 9718                  | MRTTWA00005 | 1 year         | 2018/4/19      |
| Broadband Amplifier      | Schwarzbeck      | BBV 9721                  | MRTTWA00006 | 1 year         | 2018/4/24      |
| Signal Analyzer          | R&S              | FSV40                     | MRTTWA00007 | 1 year         | 2018/3/16      |
| Cable                    | HUBERSUHN<br>NER | SF106                     | MRTTWA00010 | 1 year         | 2018/05/19     |
| Cable                    | Rosnol           | K1K50-UP026<br>4-K1K50-4M | MRTTWA00012 | 1 year         | 2018/05/19     |

### Conducted Test Equipment – SR2

| Instrument                | Manufacturer | Type No. | Asset No.   | Cali. Interval | Cali. Due Date |
|---------------------------|--------------|----------|-------------|----------------|----------------|
| Spectrum Analyzer         | KEYSIGHT     | N9010A   | MRTTWA00012 | 1 year         | 2018/08/10     |
| USB Wideband Power Sensor | KEYSIGHT     | U2021XA  | MRTTWA00014 | 1 year         | 2018/4/19      |

| Software | Version   | Function          |
|----------|-----------|-------------------|
| e3       | 9.160520a | EMI Test Software |
| EMI      | V3        | EMI Test Software |

## 6. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k = 2$ .

|                                                                               |                    |
|-------------------------------------------------------------------------------|--------------------|
| AC Conducted Emission Measurement – SR2                                       |                    |
| Measuring Uncertainty for a Level of Confidence of 95% ( $U=2U_c(y)$ ):       |                    |
| 150kHz~30MHz: 2.42dB                                                          |                    |
| Conducted Measurement– SR1                                                    |                    |
| Measuring Uncertainty for a Level of Confidence of 95% ( $U=2U_c(y)$ ): 1.3dB |                    |
| Radiated Emission Measurement – AC1                                           |                    |
| Measuring Uncertainty for a Level of Confidence of 95% ( $U=2U_c(y)$ ):       |                    |
| Horizontal:                                                                   | 9K~30MHz: 4.14dB   |
|                                                                               | 30MHz~1GHz: 4.22dB |
|                                                                               | 1GHz~40GHz: 4.05dB |
| Vertical:                                                                     | 9K~30MHz: 4.14dB   |
|                                                                               | 30MHz~1GHz: 3.37dB |
|                                                                               | 1GHz~40GHz: 4.08dB |

## 7. TEST RESULT

### 7.1. Summary

**Product Name:** Liquid crystal display devices  
**FCC Classification:** (DTS) Digital Transmission System  
**Data Rate(s) Tested:** 1Mbps ~ 11Mbps (b); 6Mbps ~ 54Mbps (g);  
6.5/7.2Mbps ~ 65/72.2Mbps (n-20M);  
13.5/15.0Mbps ~ 135/150Mbps (n-40M)

| FCC Part Section(s) | Test Description                         | Test Limit                                                      | Test Condition | Test Result | Reference   |
|---------------------|------------------------------------------|-----------------------------------------------------------------|----------------|-------------|-------------|
| 15.247(a)(2)        | 6dB Bandwidth                            | $\geq 500\text{kHz}$                                            | Conducted      | N/A         | N/A         |
| 15.247(b)(3)        | Output Power                             | $\leq 30.00\text{dBm}$                                          |                | Pass        | Section 7.2 |
| 15.247(e)           | Power Spectral Density                   | $\leq 8.00\text{dBm}/3\text{kHz}$                               |                | N/A         | N/A         |
| 15.247(d)           | Out-of-Band Emissions                    | Conducted $\geq 20\text{dBc}$                                   |                | N/A         | N/A         |
| 15.205<br>15.209    | Spurious Emission                        | < FCC 15.209 limits                                             | Radiated       | Pass        | Section 7.3 |
| 15.205<br>15.209    | Band Edge Measurement                    | $\leq 74\text{dBuV/m(Peak)}$<br>$\leq 54\text{dBuV/m(Average)}$ |                | Pass        | Section 7.4 |
| 15.207              | AC Conducted Emissions<br>150kHz - 30MHz | < FCC 15.207 limits                                             | Line Conducted | Pass        | Section 7.5 |

#### Notes:

- 1) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 2) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.

## 7.2. Output Power Measurement

### 7.2.1. Test Limit

The maximum out power shall be less 1 Watt (30dBm).

### 7.2.2. Test Procedure Used

KDB 558074 D01v04 - Section 9.1.2 & 9.2.3.2

### 7.2.3. Test Setting

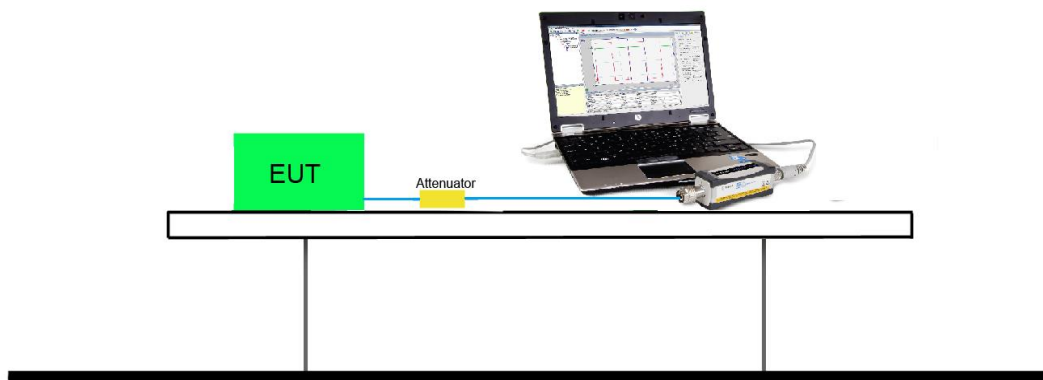
#### Peak Power Measurement

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

#### Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

### 7.2.4. Test Setup



### 7.2.5. Test Result of Output Power

| 2.4GHz 802.11b RF Output Power (dBm)     |                 |                                                 |       |       |       |            |                |       |       |            |                |
|------------------------------------------|-----------------|-------------------------------------------------|-------|-------|-------|------------|----------------|-------|-------|------------|----------------|
| Channel No.                              | Frequency (MHz) | Average Power<br>For different Data Rate (Mbps) |       |       |       | Peak Power | Required Limit |       |       |            |                |
|                                          |                 | 1                                               | 2     | 5.5   | 11    |            |                |       |       |            |                |
| 01                                       | 2412            | 15.37                                           | --    | --    | --    | 17.48      | 1Watt= 30 dBm  |       |       |            |                |
| 06                                       | 2437            | 15.79                                           | 15.71 | 15.68 | 15.73 | 17.88      | 1Watt= 30 dBm  |       |       |            |                |
| 11                                       | 2462            | 15.67                                           | --    | --    | --    | 17.51      | 1Watt= 30 dBm  |       |       |            |                |
| 2.4GHz 802.11g RF Output Power (dBm)     |                 |                                                 |       |       |       |            |                |       |       |            |                |
| Channel No.                              | Frequency (MHz) | Average Power<br>For different Data Rate (Mbps) |       |       |       |            |                |       |       | Peak Power | Required Limit |
|                                          |                 | 6                                               | 9     | 12    | 18    | 24         | 36             | 48    | 54    |            |                |
| 01                                       | 2412            | 13.62                                           | --    | --    | --    | --         | --             | --    | --    | 22.48      | 1Watt= 30 dBm  |
| 06                                       | 2437            | 13.77                                           | 13.71 | 13.64 | 13.69 | 13.64      | 13.68          | 13.51 | 13.47 | 22.28      | 1Watt= 30 dBm  |
| 11                                       | 2462            | 13.87                                           | --    | --    | --    | --         | --             | --    | --    | 22.72      | 1Watt= 30 dBm  |
| 2.4GHz 802.11n-20M RF Output Power (dBm) |                 |                                                 |       |       |       |            |                |       |       |            |                |
| Channel No.                              | Frequency (MHz) | Average Power<br>For different Data Rate (Mbps) |       |       |       |            |                |       |       | Peak Power | Required Limit |
|                                          |                 | MCS0                                            | MCS1  | MCS2  | MCS3  | MCS4       | MCS5           | MCS6  | MCS7  |            |                |
| 01                                       | 2412            | 13.25                                           | --    | --    | --    | --         | --             | --    | --    | 21.69      | 1Watt= 30 dBm  |
| 06                                       | 2437            | 13.31                                           | 12.96 | 12.89 | 12.91 | 12.85      | 12.81          | 12.95 | 13.11 | 21.92      | 1Watt= 30 dBm  |
| 11                                       | 2462            | 13.32                                           | --    | --    | --    | --         | --             | --    | --    | 21.99      | 1Watt= 30 dBm  |
| 2.4GHz 802.11n-40M RF Output Power (dBm) |                 |                                                 |       |       |       |            |                |       |       |            |                |
| Channel No.                              | Frequency (MHz) | Average Power<br>For different Data Rate (Mbps) |       |       |       |            |                |       |       | Peak Power | Required Limit |
|                                          |                 | MCS0                                            | MCS1  | MCS2  | MCS3  | MCS4       | MCS5           | MCS6  | MCS7  |            |                |
| 03                                       | 2422            | 12.77                                           | --    | --    | --    | --         | --             | --    | --    | 21.91      | 1Watt= 30 dBm  |
| 06                                       | 2437            | 12.91                                           | 12.75 | 12.66 | 12.70 | 12.74      | 12.67          | 12.74 | 12.65 | 21.23      | 1Watt= 30 dBm  |
| 09                                       | 2452            | 12.76                                           | --    | --    | --    | --         | --             | --    | --    | 21.32      | 1Watt= 30 dBm  |

Note: Output power =Reading value on power meter + cable loss °

### 7.3. Radiated Spurious Emission Measurement

#### 7.3.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

| FCC Part 15 Subpart C Paragraph 15.209 |                         |                               |
|----------------------------------------|-------------------------|-------------------------------|
| Frequency<br>[MHz]                     | Field Strength<br>[V/m] | Measured Distance<br>[Meters] |
| 0.009 - 0.490                          | 2400/F (kHz)            | 300                           |
| 0.490 - 1.705                          | 24000/F (kHz)           | 30                            |
| 1.705 - 30                             | 30                      | 30                            |
| 30 - 88                                | 100                     | 3                             |
| 88 - 216                               | 150                     | 3                             |
| 216 - 960                              | 200                     | 3                             |
| Above 960                              | 500                     | 3                             |

#### 7.3.2. Test Procedure Used

KDB 558074 D01v04- Section 12.2.3 (quasi-peak measurements)

KDB 558074 D01v04- Section 12.2.4 (peak power measurements)

KDB 558074 D01v04- Section 12.2.5 (average power measurements)

### 7.3.3. Test Setting

#### Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

**Table 1 - RBW as a function of frequency**

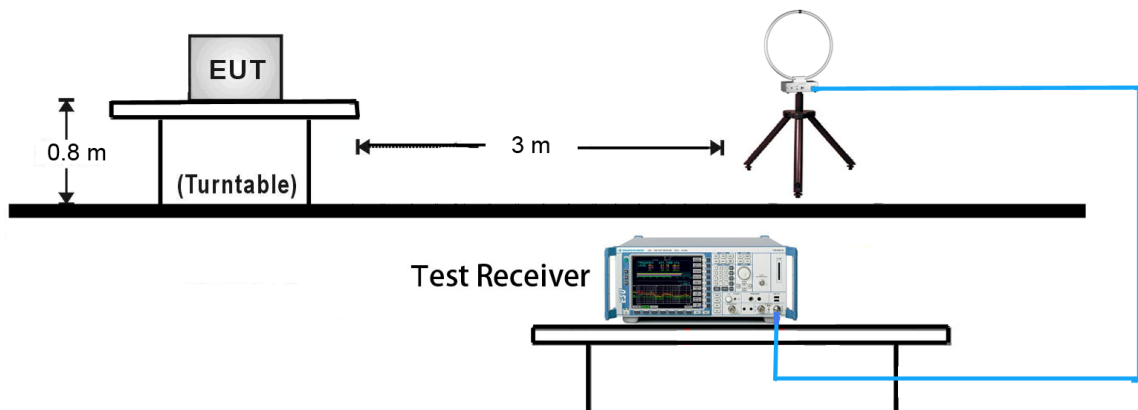
| Frequency     | RBW           |
|---------------|---------------|
| 9 ~ 150 kHz   | 200 ~ 300 Hz  |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz    |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz    | 1 MHz         |

**Average Field Strength Measurements**

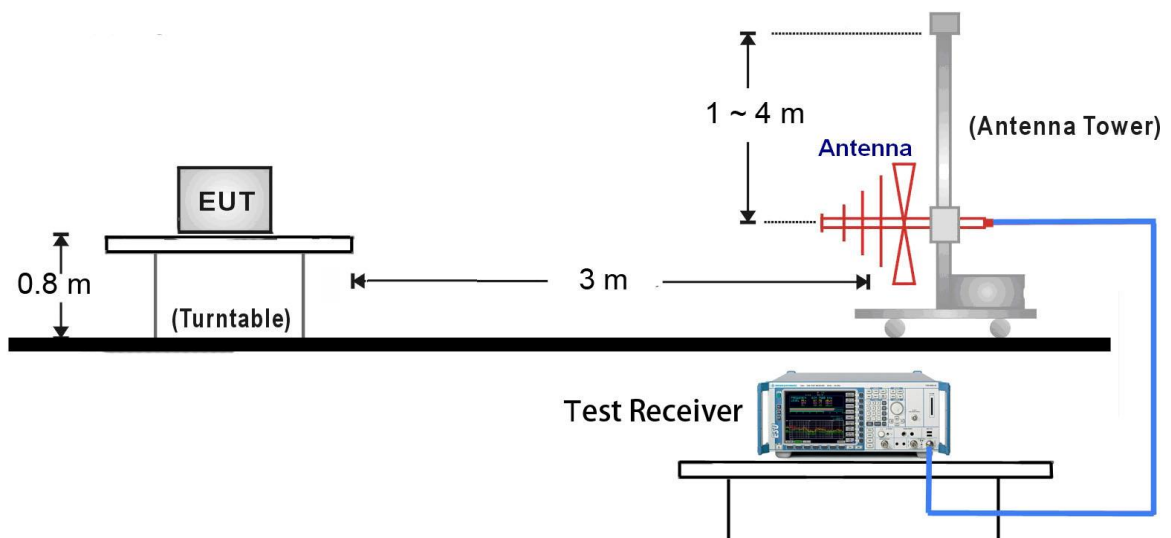
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW  $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

### 7.3.4. Test Setup

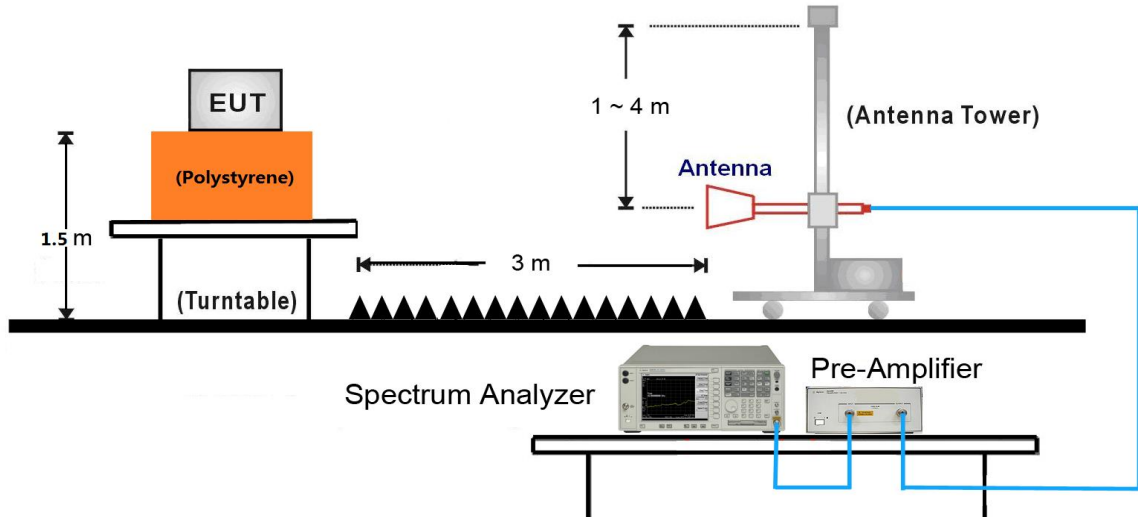
#### 9kHz ~ 30MHz Test Setup:



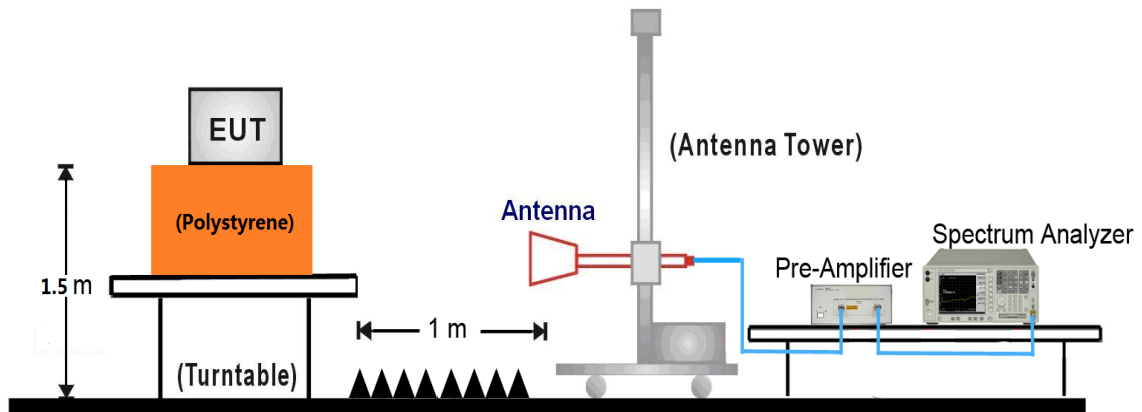
#### 30MHz ~ 1GHz Test Setup:



### 1GHz ~ 18GHz Test Setup:

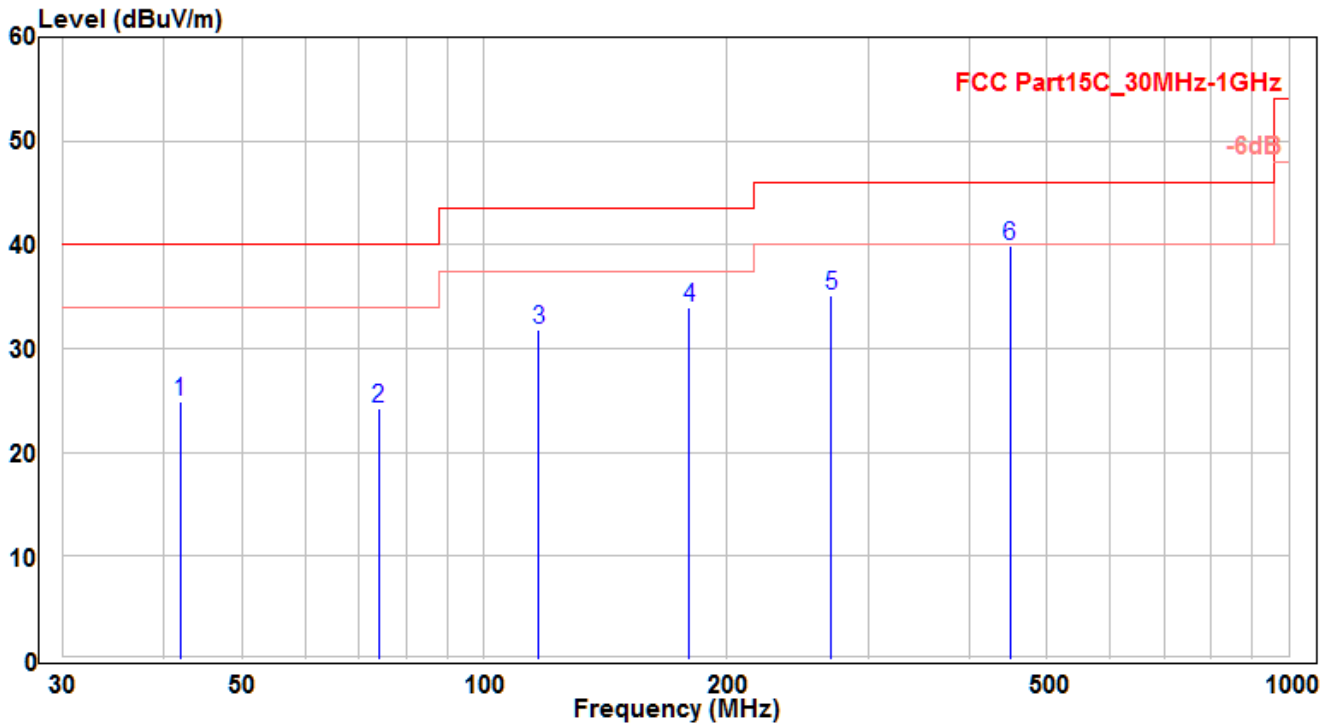


### 18GHz ~25GHz Test Setup:



### 7.3.5. Test Result

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/29   |
| Factor    | VULB 9162 (30MHz~8GHz)         | Temp. / Humidity | 24°C / 59%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH06                     | Test Voltage     | AC 120V/60Hz |

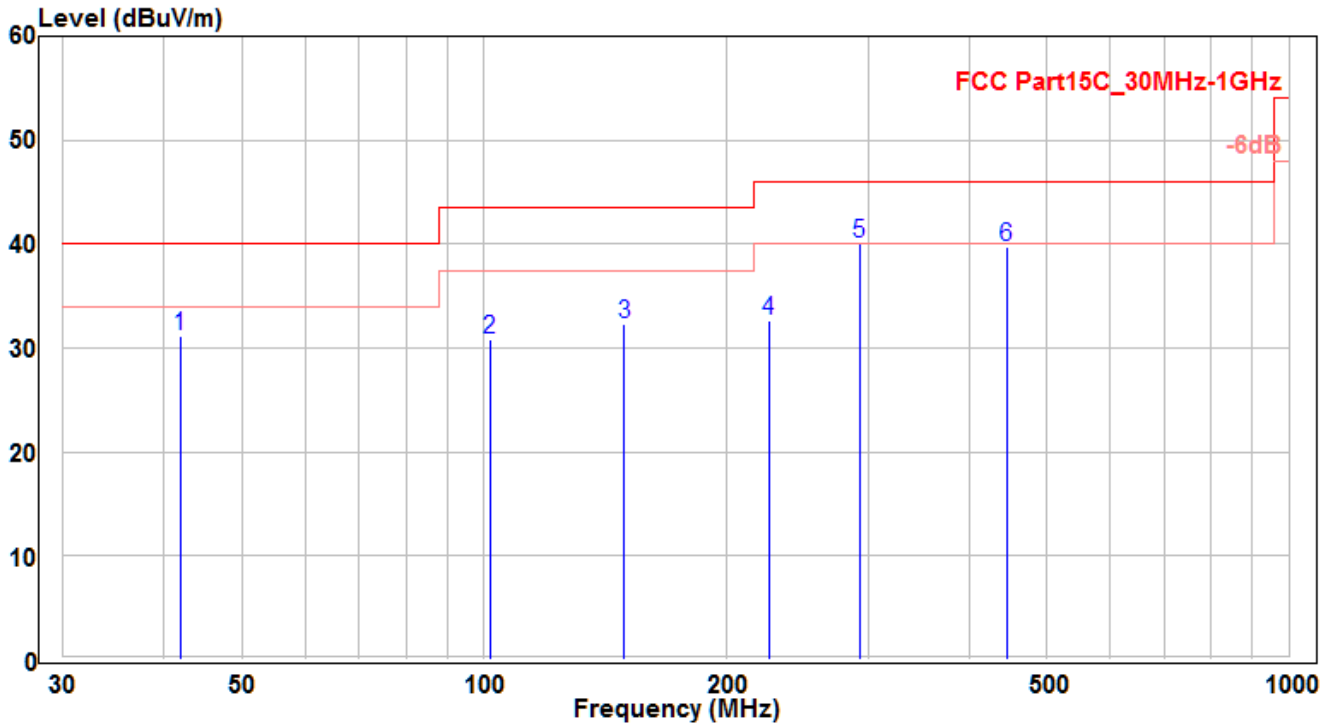


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 41.973          | 3.99           | 20.9     | 24.89                | -15.11      | 40           | 160         | 20          | QP                |
| 2  | 73.923          | 8.74           | 15.56    | 24.3                 | -15.7       | 40           | 140         | 225         | QP                |
| 3  | 116.997         | 14.21          | 17.64    | 31.85                | -11.65      | 43.5         | 100         | 170         | QP                |
| 4  | 180.017         | 16.73          | 17.28    | 34.01                | -9.49       | 43.5         | 120         | 400         | QP                |
| 5  | 270.014         | 14.37          | 20.7     | 35.07                | -10.93      | 46           | 225         | 175         | QP                |
| 6  | * 450           | 14.83          | 25.09    | 39.92                | -6.08       | 46           | 150         | 250         | QP                |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °
- Other channel/mode was also verified. The test results shown represent the worst case emissions °
- No emission found between lowest internal used/generated frequency to 30MHz °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/29   |
| Factor    | VULB 9162 (30MHz~8GHz)         | Temp. / Humidity | 24°C / 59%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH06                     | Test Voltage     | AC 120V/60Hz |

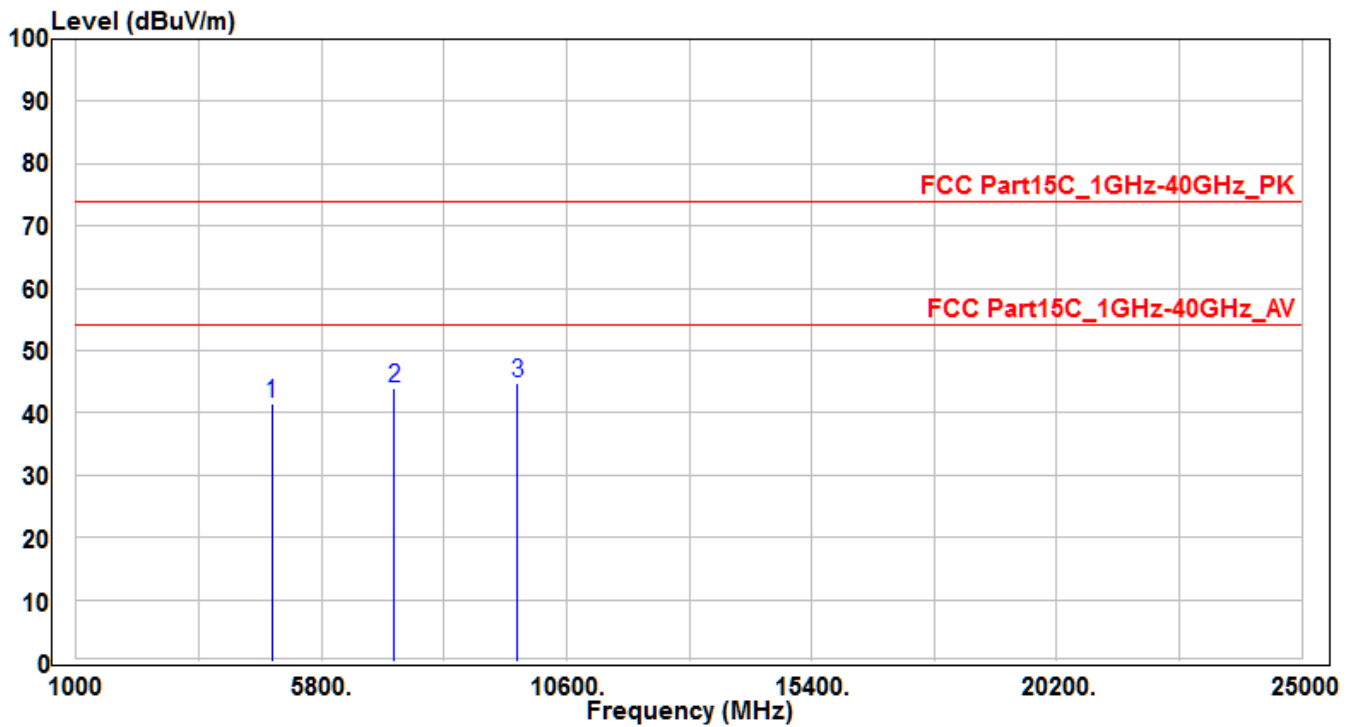


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 41.973          | 10.19          | 20.9     | 31.09                | -8.91       | 40           | 100         | 100         | QP                |
| 2  | 101.719         | 11.5           | 19.29    | 30.79                | -12.71      | 43.5         | 150         | 200         | QP                |
| 3  | 149.249         | 16.46          | 15.89    | 32.35                | -11.15      | 43.5         | 190         | 280         | QP                |
| 4  | 225.758         | 13.21          | 19.44    | 32.65                | -13.35      | 46           | 210         | 360         | QP                |
| 5  | * 292.84        | 18.72          | 21.31    | 40.03                | -5.97       | 46           | 170         | 155         | QP                |
| 6  | 445.524         | 14.7           | 25.01    | 39.71                | -6.29       | 46           | 250         | 140         | QP                |

Note :

- " \* " means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °
- Other channel/mode was also verified. The test results shown represent the worst case emissions °
- No emission found between lowest internal used/generated frequency to 30MHz °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE1-CH01                     | Test Voltage     | AC 120V/60Hz |

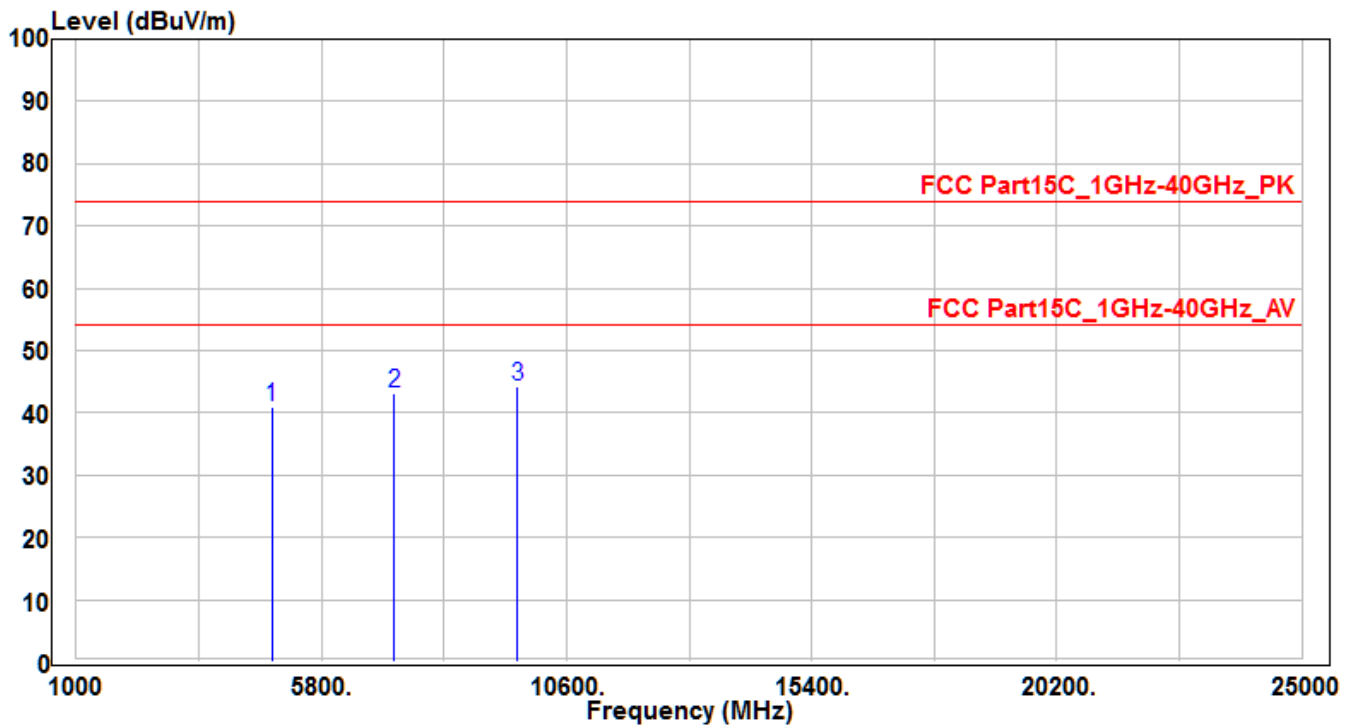


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4824            | 38.89          | 2.73     | 41.62                | -32.38      | 74           | 150         | 400         | Peak              |
| 2  | 7236            | 32.55          | 11.4     | 43.95                | -30.05      | 74           | 150         | 400         | Peak              |
| 3  | * 9648          | 30.33          | 14.56    | 44.89                | -29.11      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE1-CH01                     | Test Voltage     | AC 120V/60Hz |

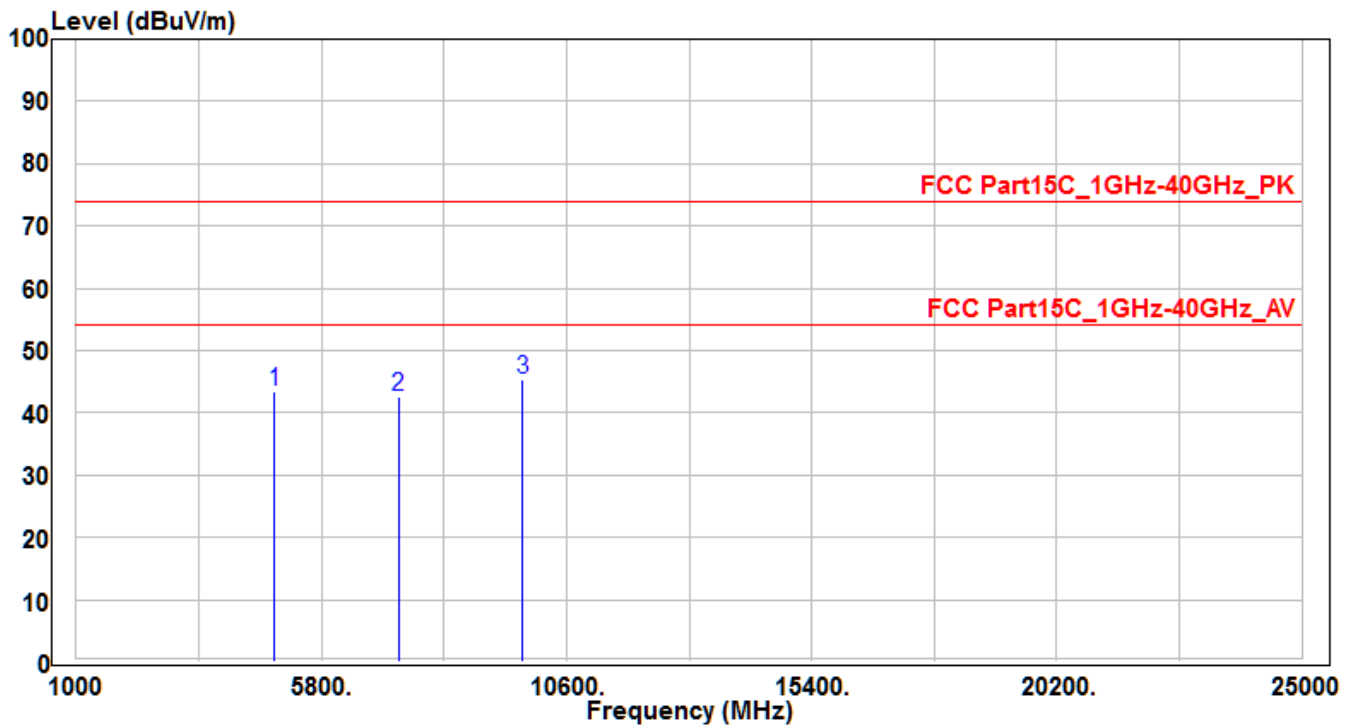


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4824            | 38.1           | 2.73     | 40.83                | -33.17      | 74           | 150         | 400         | Peak              |
| 2  | 7236            | 31.77          | 11.4     | 43.17                | -30.83      | 74           | 150         | 400         | Peak              |
| 3  | * 9648          | 29.8           | 14.56    | 44.36                | -29.64      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE1-CH06                     | Test Voltage     | AC 120V/60Hz |

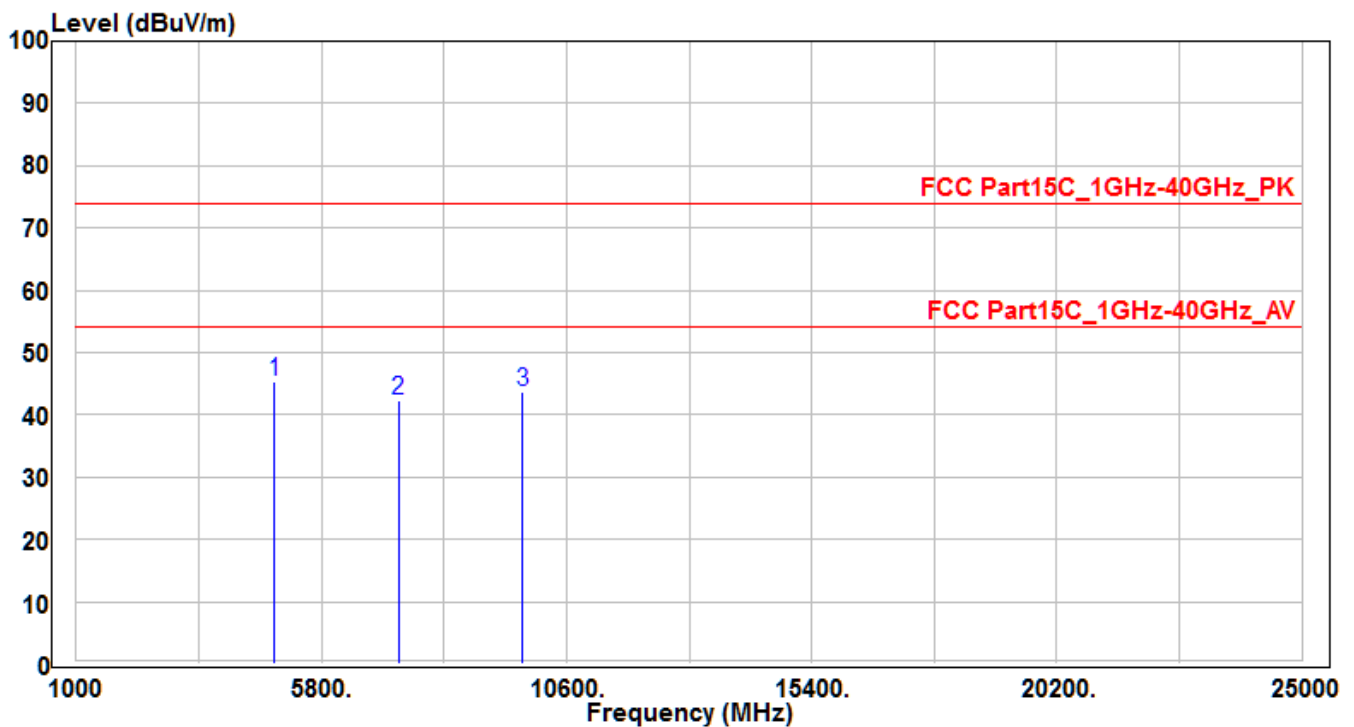


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4874            | 40.5           | 2.82     | 43.32                | -30.68      | 74           | 150         | 400         | Peak              |
| 2  | 7311            | 30.87          | 11.74    | 42.61                | -31.39      | 74           | 150         | 400         | Peak              |
| 3  | *               | 30.63          | 14.79    | 45.42                | -28.58      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C /61%    |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE1-CH06                     | Test Voltage     | AC 120V/60Hz |

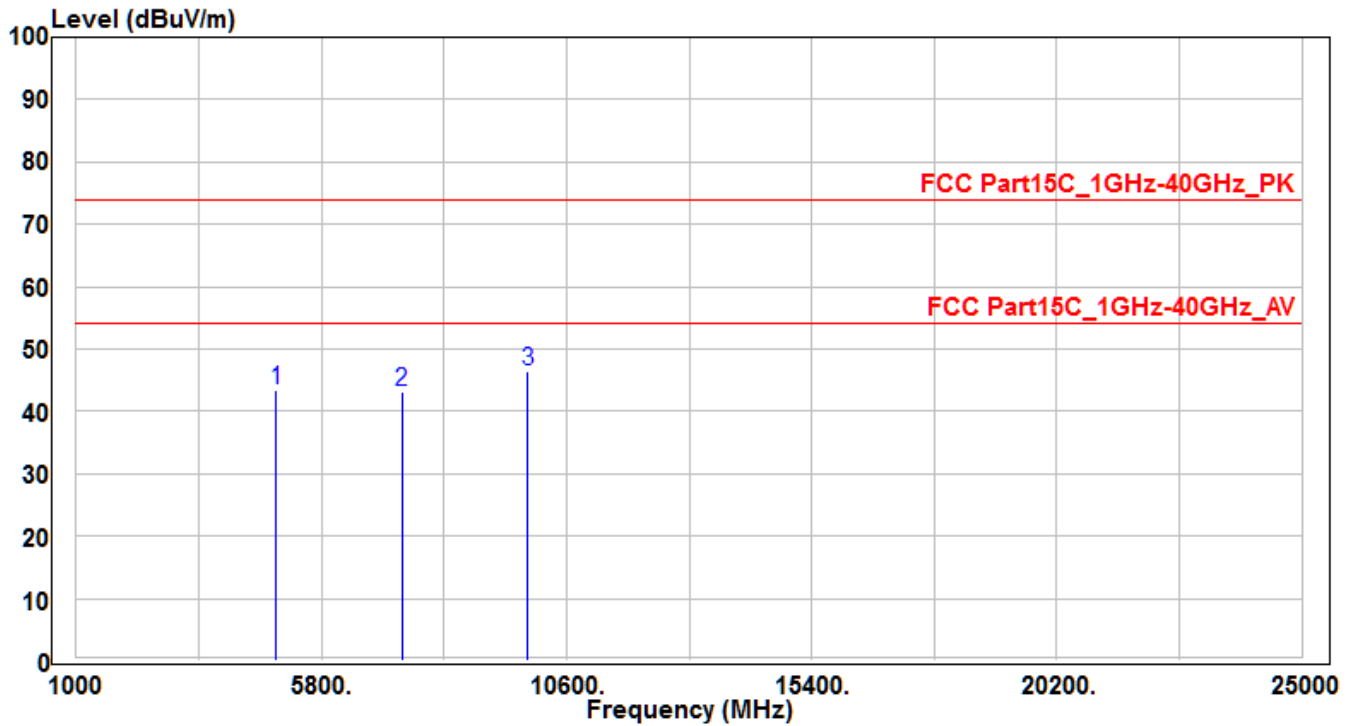


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | * | 4874            | 42.41          | 2.82     | 45.23                | -28.77      | 74           | 150         | 400         | Peak              |
| 2  |   | 7311            | 30.64          | 11.74    | 42.38                | -31.62      | 74           | 150         | 400         | Peak              |
| 3  |   | 9748            | 28.87          | 14.79    | 43.66                | -30.34      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE1-CH11                     | Test Voltage     | AC 120V/60Hz |

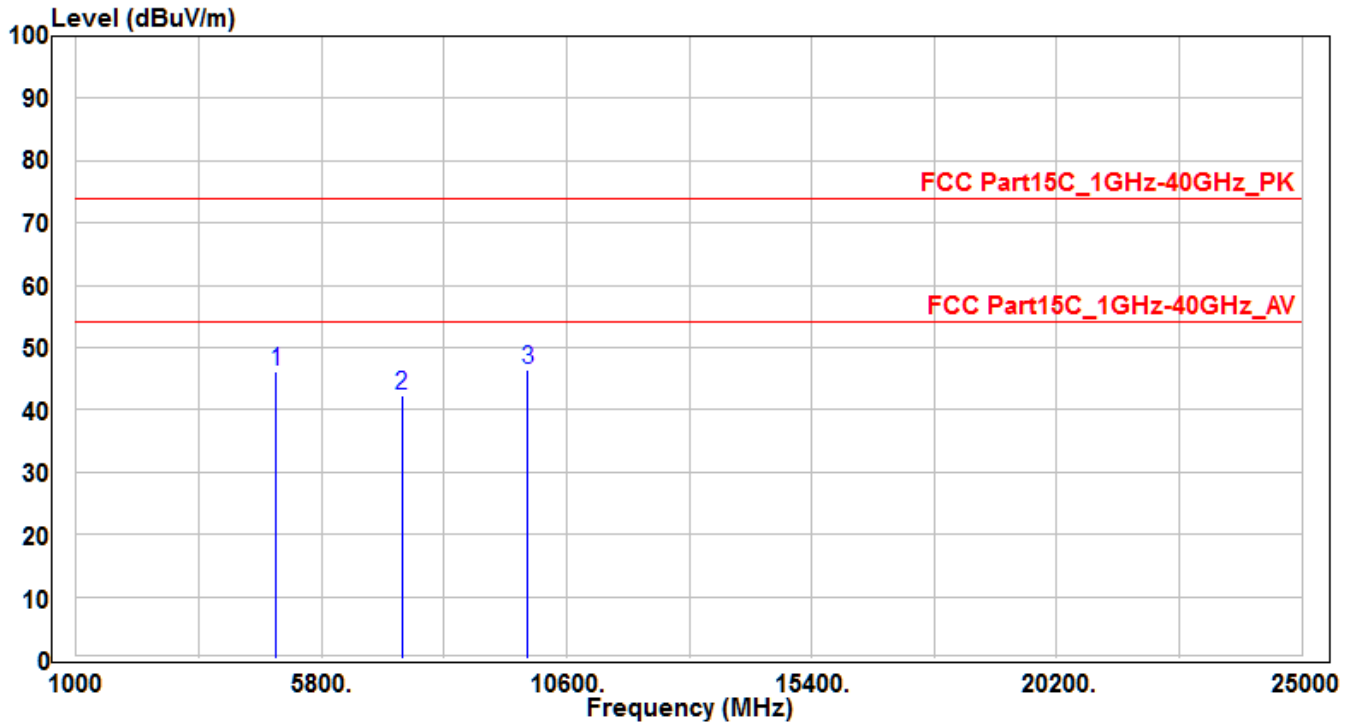


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4924            | 40.62          | 2.91     | 43.53                | -30.47      | 74           | 150         | 400         | Peak              |
| 2  | 7386            | 31.13          | 12.09    | 43.22                | -30.78      | 74           | 150         | 400         | Peak              |
| 3  | * 9848          | 31.43          | 15.02    | 46.45                | -27.55      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE1-CH11                     | Test Voltage     | AC 120V/60Hz |

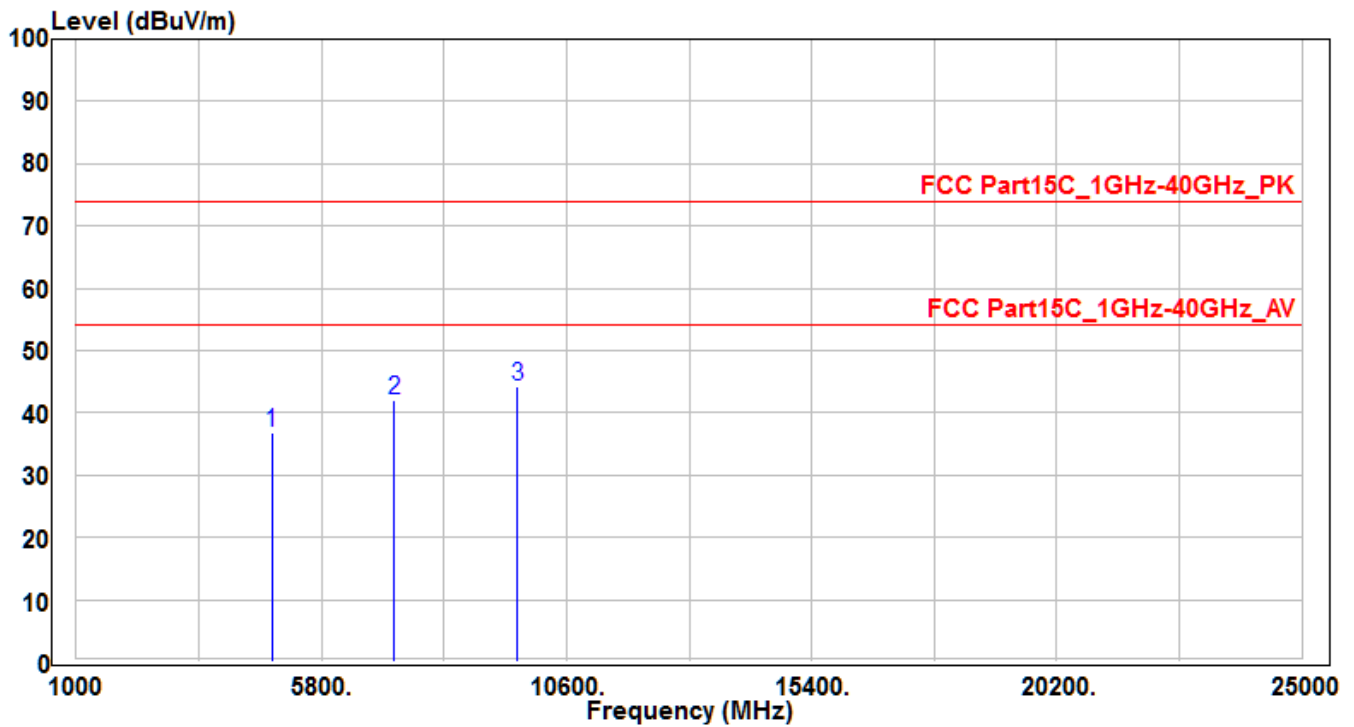


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4924            | 43.17          | 2.91     | 46.08                | -27.92      | 74           | 150         | 400         | Peak              |
| 2  | 7386            | 30.24          | 12.09    | 42.33                | -31.67      | 74           | 150         | 400         | Peak              |
| 3  | * 9848          | 31.55          | 15.02    | 46.57                | -27.43      | 74           | 150         | 400         | Peak              |

Note :

1. " \* " means the worst value in this measurement data °
2. Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
3. Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
4. The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE2-CH01                     | Test Voltage     | AC 120V/60Hz |

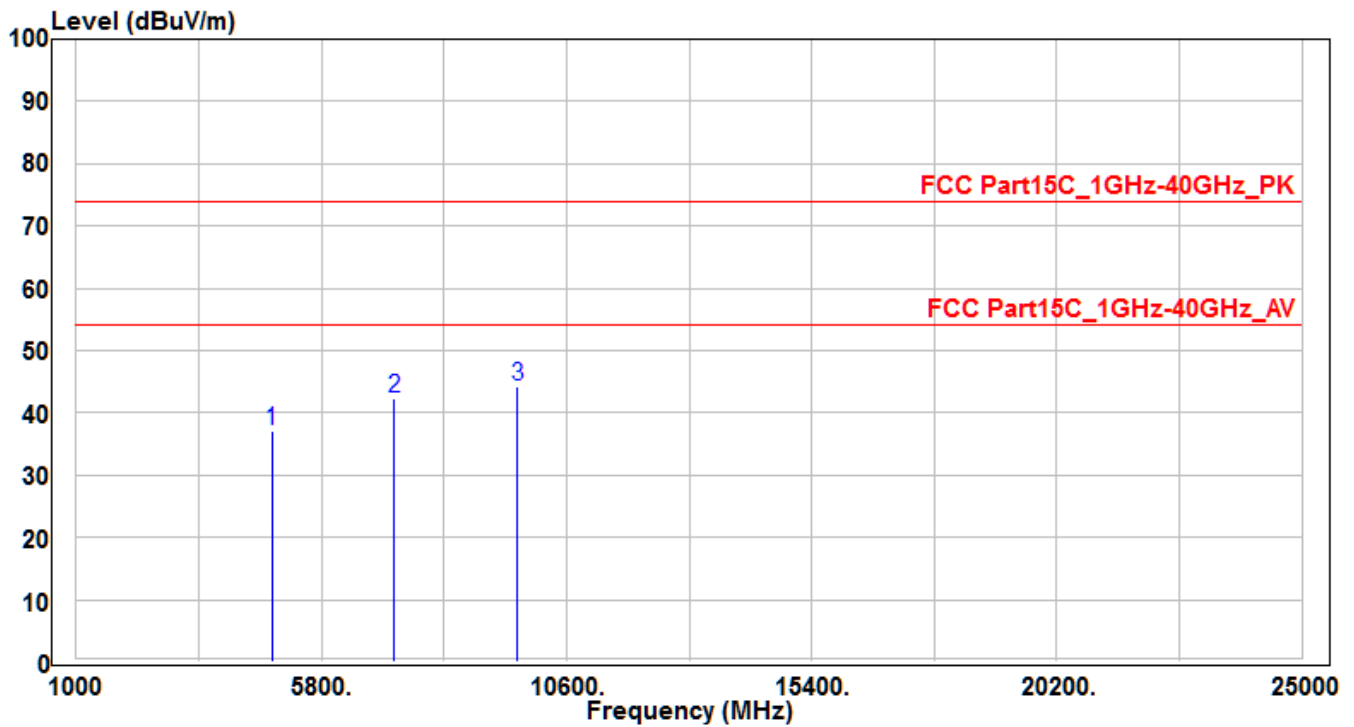


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4824            | 33.98          | 2.73     | 36.71                | -37.29      | 74           | 150         | 400         | Peak              |
| 2  | 7236            | 30.56          | 11.4     | 41.96                | -32.04      | 74           | 150         | 400         | Peak              |
| 3  | * 9648          | 29.67          | 14.56    | 44.23                | -29.77      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE2-CH01                     | Test Voltage     | AC 120V/60Hz |

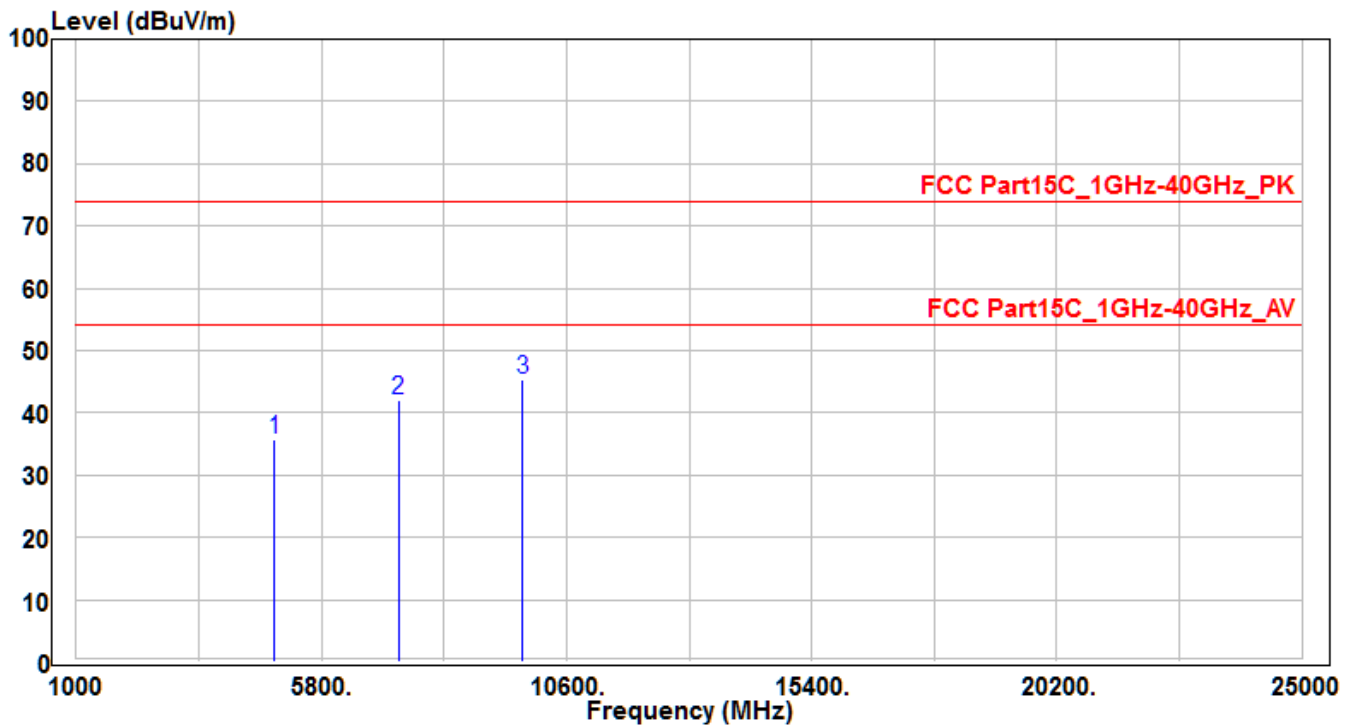


| No |   | Frequency<br>(MHz) | Reading<br>(dBuV) | C.F<br>(dB) | Measurement<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV) | Height<br>(cm) | Angle<br>(deg) | Remark<br>(QP/PK/AV) |
|----|---|--------------------|-------------------|-------------|-------------------------|----------------|-----------------|----------------|----------------|----------------------|
| 1  |   | 4824               | 34.42             | 2.73        | 37.15                   | -36.85         | 74              | 150            | 400            | Peak                 |
| 2  |   | 7236               | 31.04             | 11.4        | 42.44                   | -31.56         | 74              | 150            | 400            | Peak                 |
| 3  | * | 9648               | 29.69             | 14.56       | 44.25                   | -29.75         | 74              | 150            | 400            | Peak                 |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE2-CH06                     | Test Voltage     | AC 120V/60Hz |

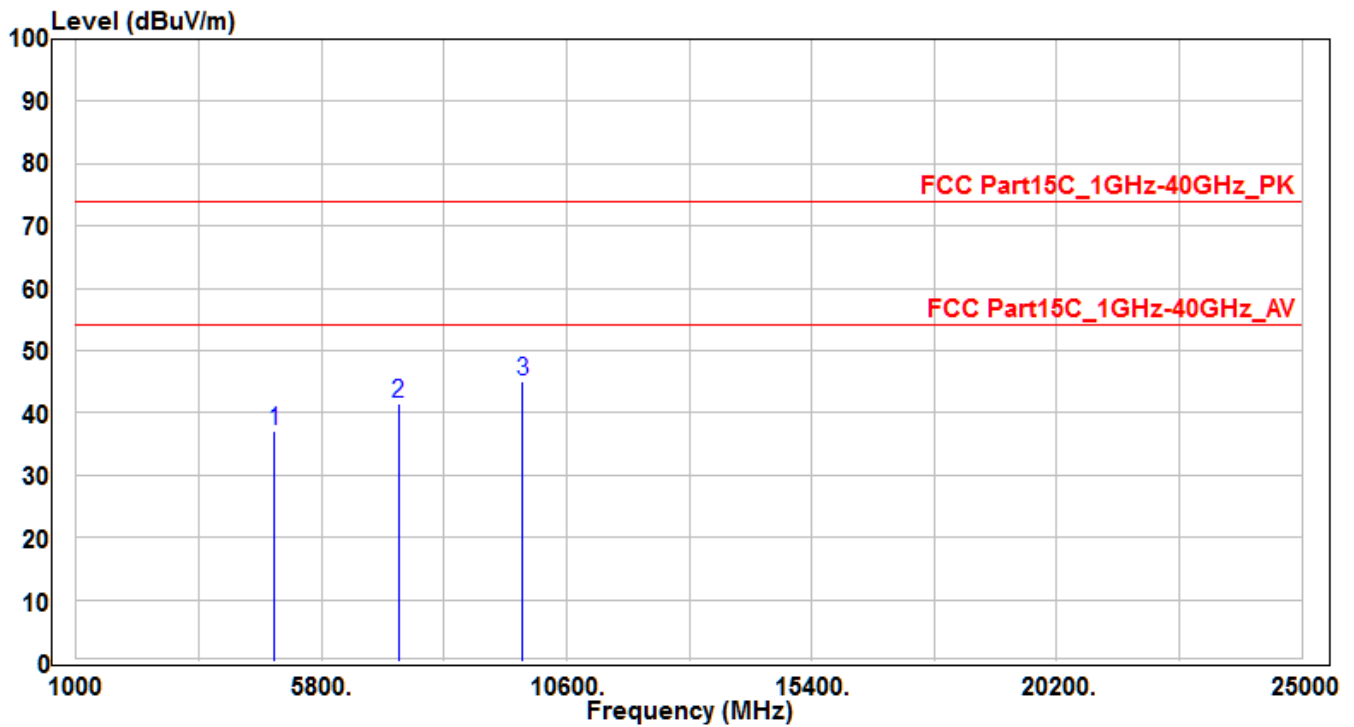


| No |   | Frequency<br>(MHz) | Reading<br>(dBuV) | C.F<br>(dB) | Measurement<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV) | Height<br>(cm) | Angle<br>(deg) | Remark<br>(QP/PK/AV) |
|----|---|--------------------|-------------------|-------------|-------------------------|----------------|-----------------|----------------|----------------|----------------------|
| 1  |   | 4874               | 32.81             | 2.82        | 35.63                   | -38.37         | 74              | 150            | 400            | Peak                 |
| 2  |   | 7311               | 30.19             | 11.74       | 41.93                   | -32.07         | 74              | 150            | 400            | Peak                 |
| 3  | * | 9748               | 30.64             | 14.79       | 45.43                   | -28.57         | 74              | 150            | 400            | Peak                 |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE2-CH06                     | Test Voltage     | AC 120V/60Hz |

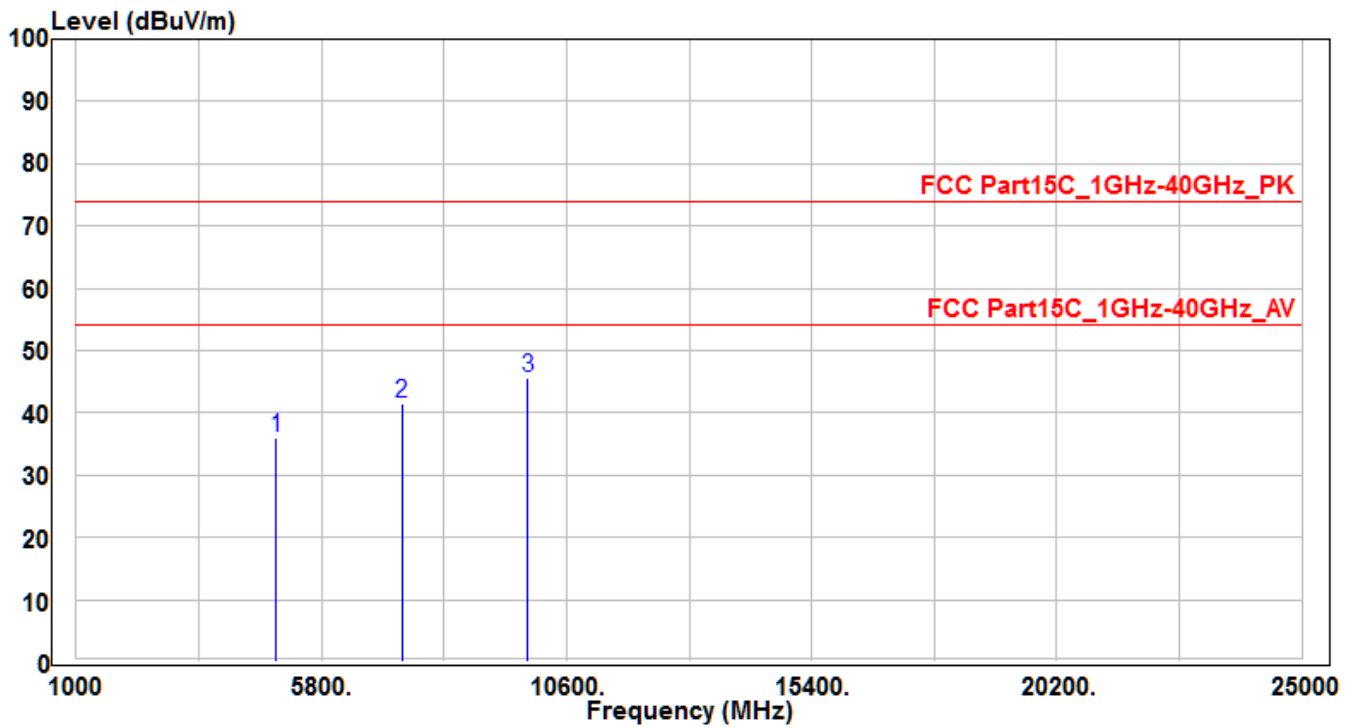


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4874            | 34.25          | 2.82     | 37.07                | -36.93      | 74           | 150         | 400         | Peak              |
| 2  | 7311            | 29.82          | 11.74    | 41.56                | -32.44      | 74           | 150         | 400         | Peak              |
| 3  | *               | 9748           | 14.79    | 45.01                | -28.99      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE2-CH11                     | Test Voltage     | AC 120V/60Hz |

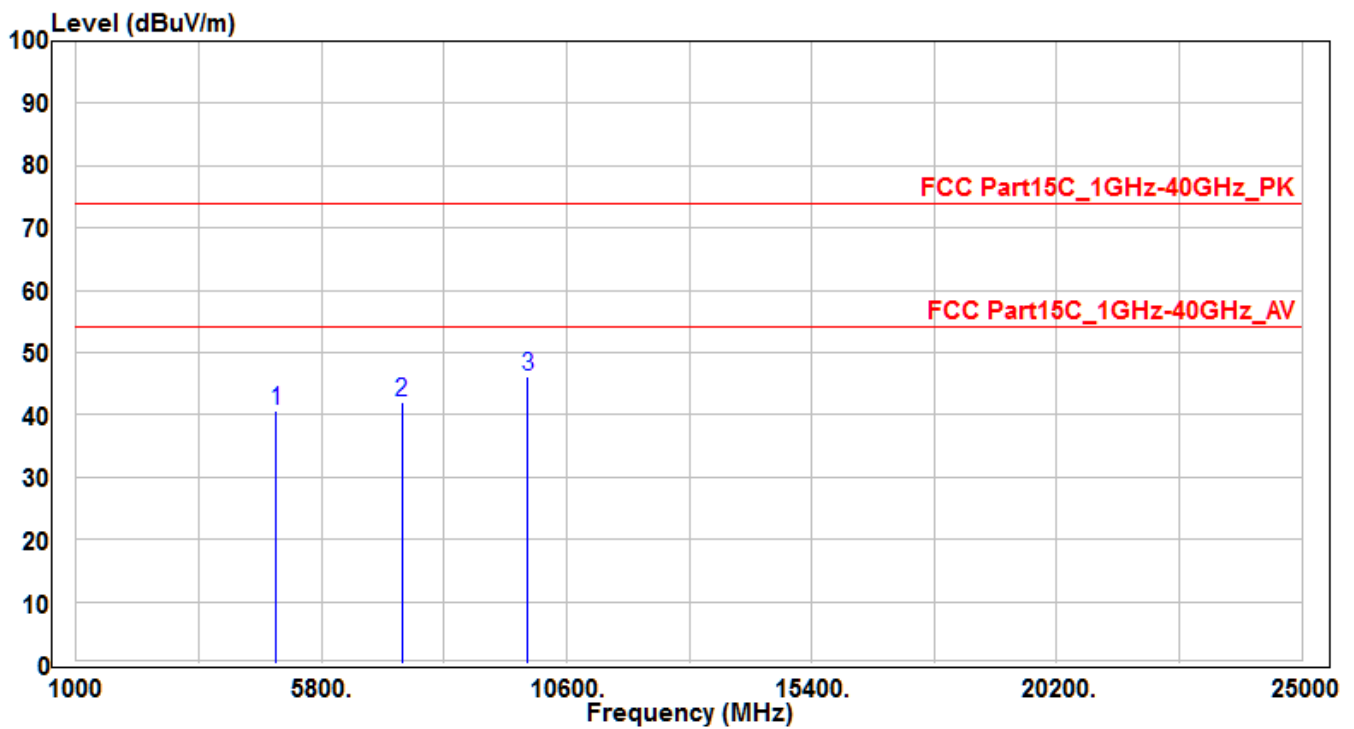


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4924            | 33.22          | 2.91     | 36.13                | -37.87      | 74           | 150         | 400         | Peak              |
| 2  | 7386            | 29.29          | 12.09    | 41.38                | -32.62      | 74           | 150         | 400         | Peak              |
| 3  | *               | 9848           | 30.63    | 15.02                | 45.65       | -28.35       | 74          | 150         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE2-CH11                     | Test Voltage     | AC 120V/60Hz |

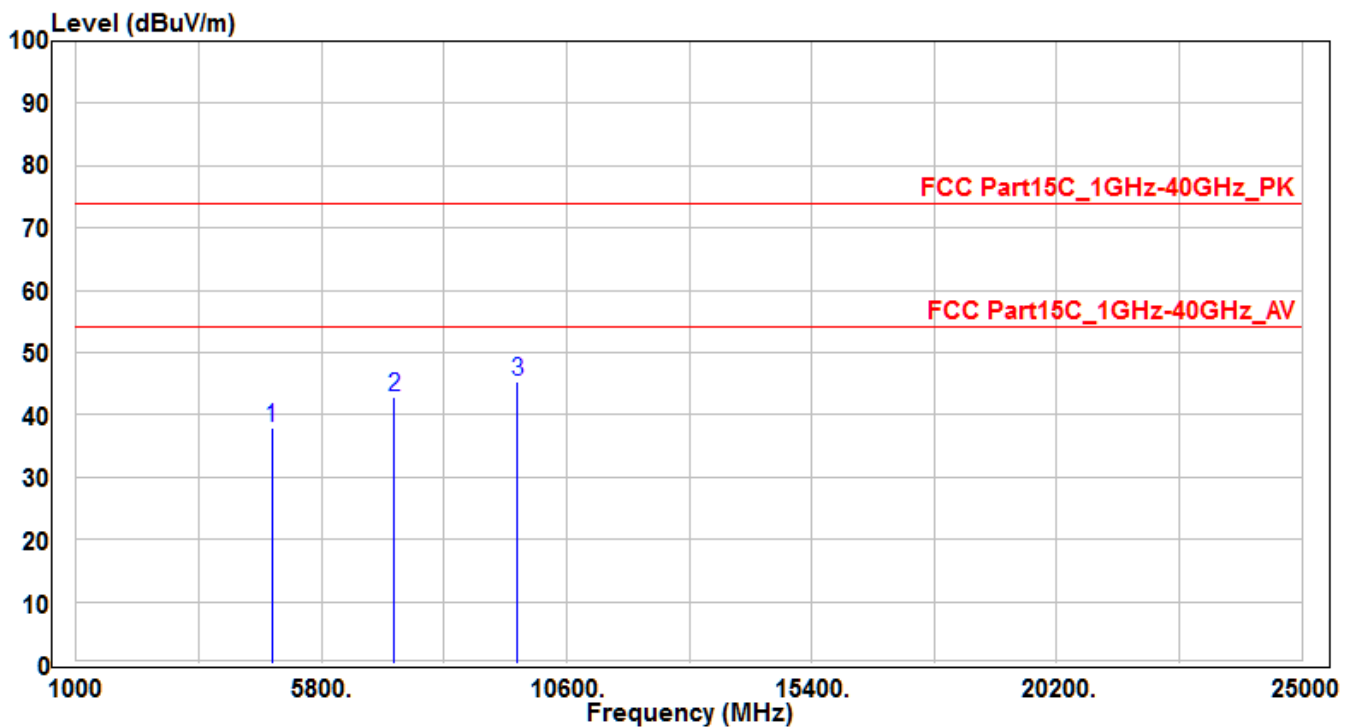


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4924            | 37.65          | 2.91     | 40.56                | -33.44      | 74           | 150         | 400         | Peak              |
| 2  | 7386            | 29.86          | 12.09    | 41.95                | -32.05      | 74           | 150         | 400         | Peak              |
| 3  | *               | 31.19          | 15.02    | 46.21                | -27.79      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH01                     | Test Voltage     | AC 120V/60Hz |

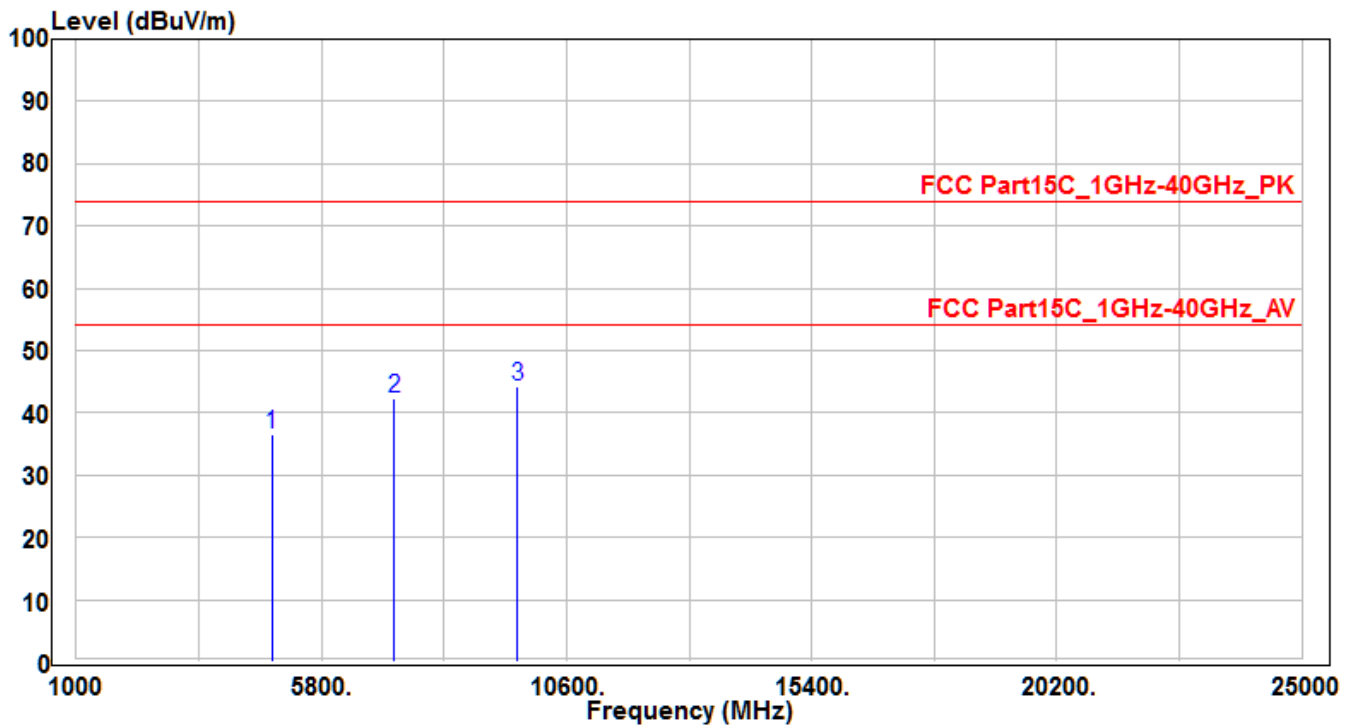


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4824            | 35.11          | 2.73     | 37.84                | -36.16      | 74           | 150         | 400         | Peak              |
| 2  | 7236            | 31.5           | 11.4     | 42.9                 | -31.1       | 74           | 150         | 400         | Peak              |
| 3  | *               | 30.72          | 14.56    | 45.28                | -28.72      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH01                     | Test Voltage     | AC 120V/60Hz |

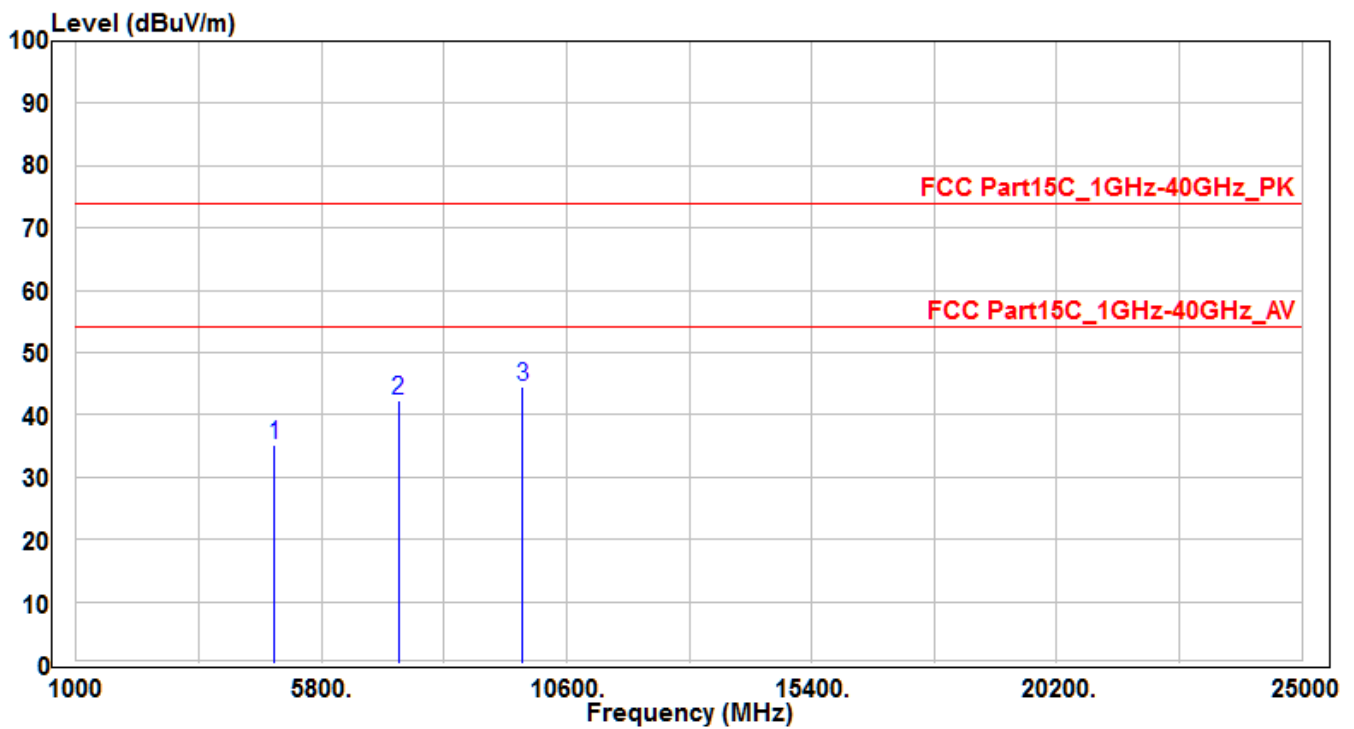


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4824            | 33.95          | 2.73     | 36.68                | -37.32      | 74           | 150         | 400         | Peak              |
| 2  | 7236            | 30.94          | 11.4     | 42.34                | -31.66      | 74           | 150         | 400         | Peak              |
| 3  | *               | 9648           | 14.56    | 44.3                 | -29.7       | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH06                     | Test Voltage     | AC 120V/60Hz |

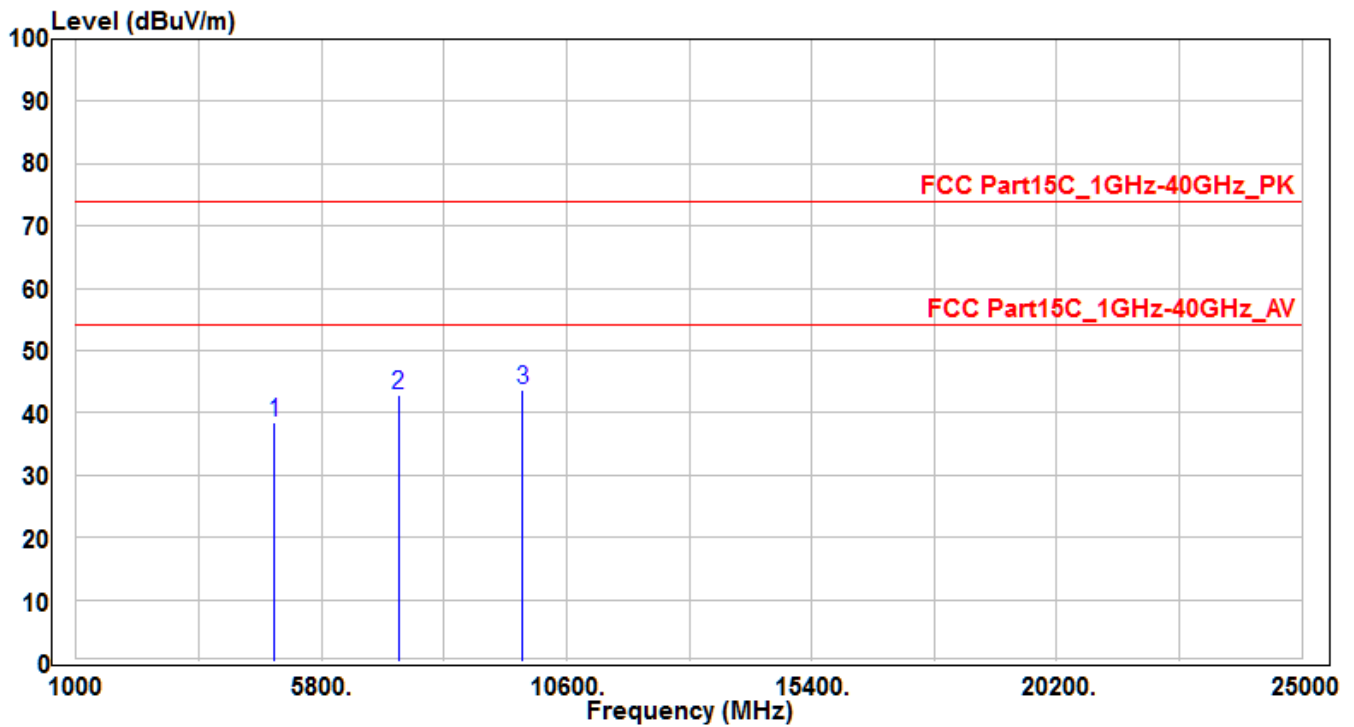


| No |   | Frequency<br>(MHz) | Reading<br>(dBuV) | C.F<br>(dB) | Measurement<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV) | Height<br>(cm) | Angle<br>(deg) | Remark<br>(QP/PK/AV) |
|----|---|--------------------|-------------------|-------------|-------------------------|----------------|-----------------|----------------|----------------|----------------------|
| 1  |   | 4874               | 32.25             | 2.82        | 35.07                   | -38.93         | 74              | 150            | 400            | Peak                 |
| 2  |   | 7311               | 30.71             | 11.74       | 42.45                   | -31.55         | 74              | 150            | 400            | Peak                 |
| 3  | * | 9748               | 29.67             | 14.79       | 44.46                   | -29.54         | 74              | 150            | 400            | Peak                 |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH06                     | Test Voltage     | AC 120V/60Hz |

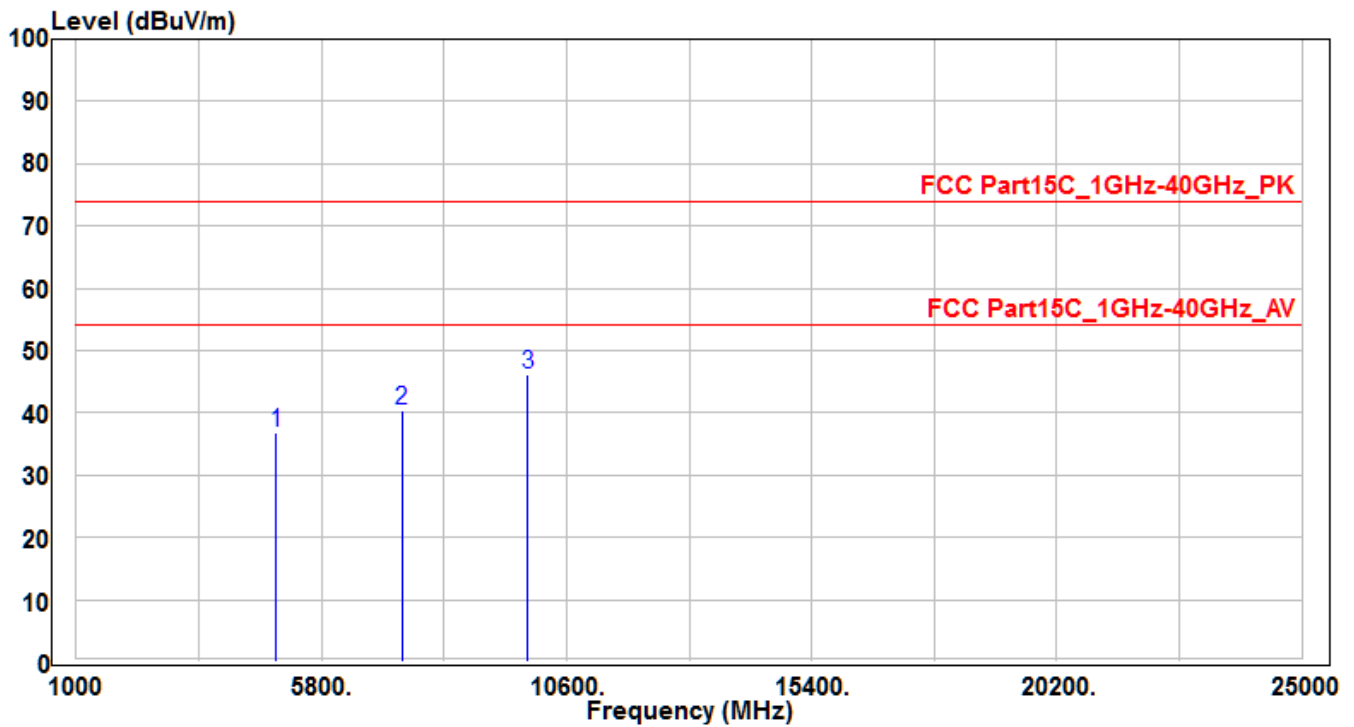


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4874            | 35.56          | 2.82     | 38.38                | -35.62      | 74           | 150         | 400         | Peak              |
| 2  | 7311            | 31.05          | 11.74    | 42.79                | -31.21      | 74           | 150         | 400         | Peak              |
| 3  | *               | 28.91          | 14.79    | 43.7                 | -30.3       | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH11                     | Test Voltage     | AC 120V/60Hz |

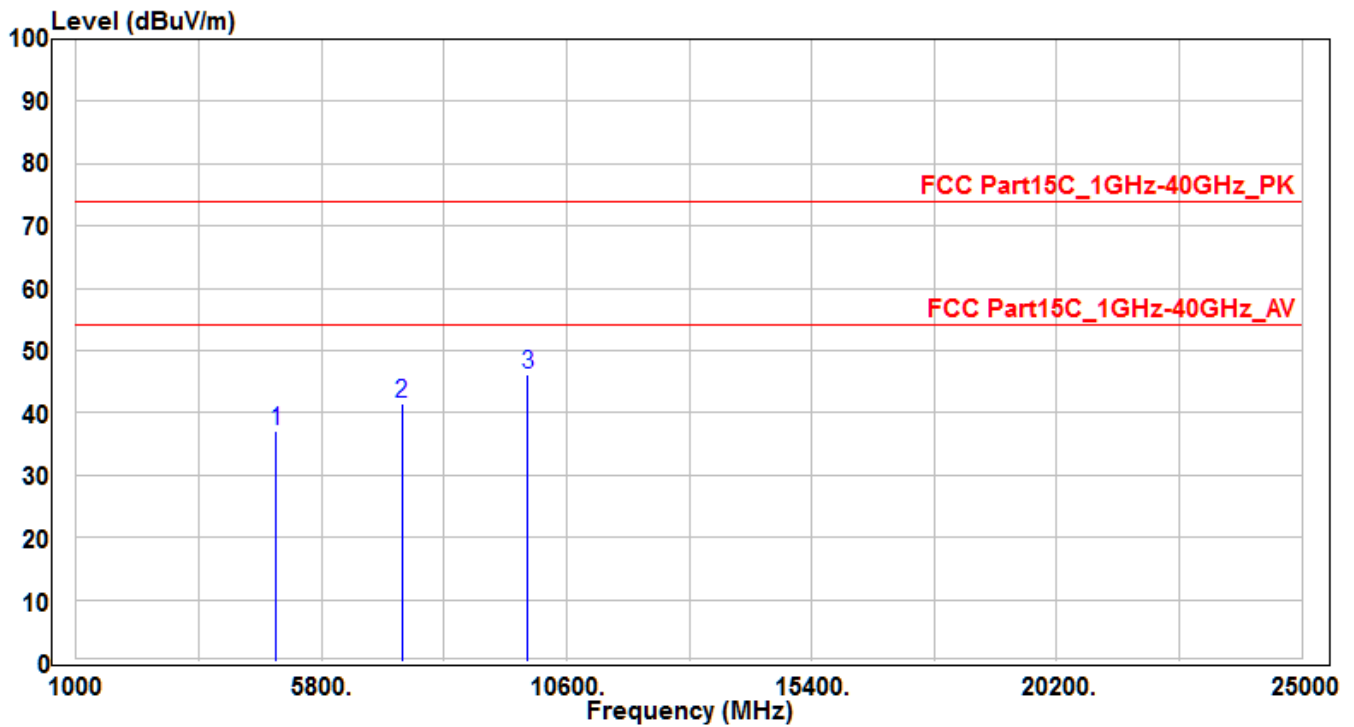


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4924            | 33.94          | 2.91     | 36.85                | -37.15      | 74           | 150         | 400         | Peak              |
| 2  | 7386            | 28.32          | 12.09    | 40.41                | -33.59      | 74           | 150         | 400         | Peak              |
| 3  | *               | 9848           | 31.24    | 15.02                | 46.26       | -27.74       | 74          | 150         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH11                     | Test Voltage     | AC 120V/60Hz |

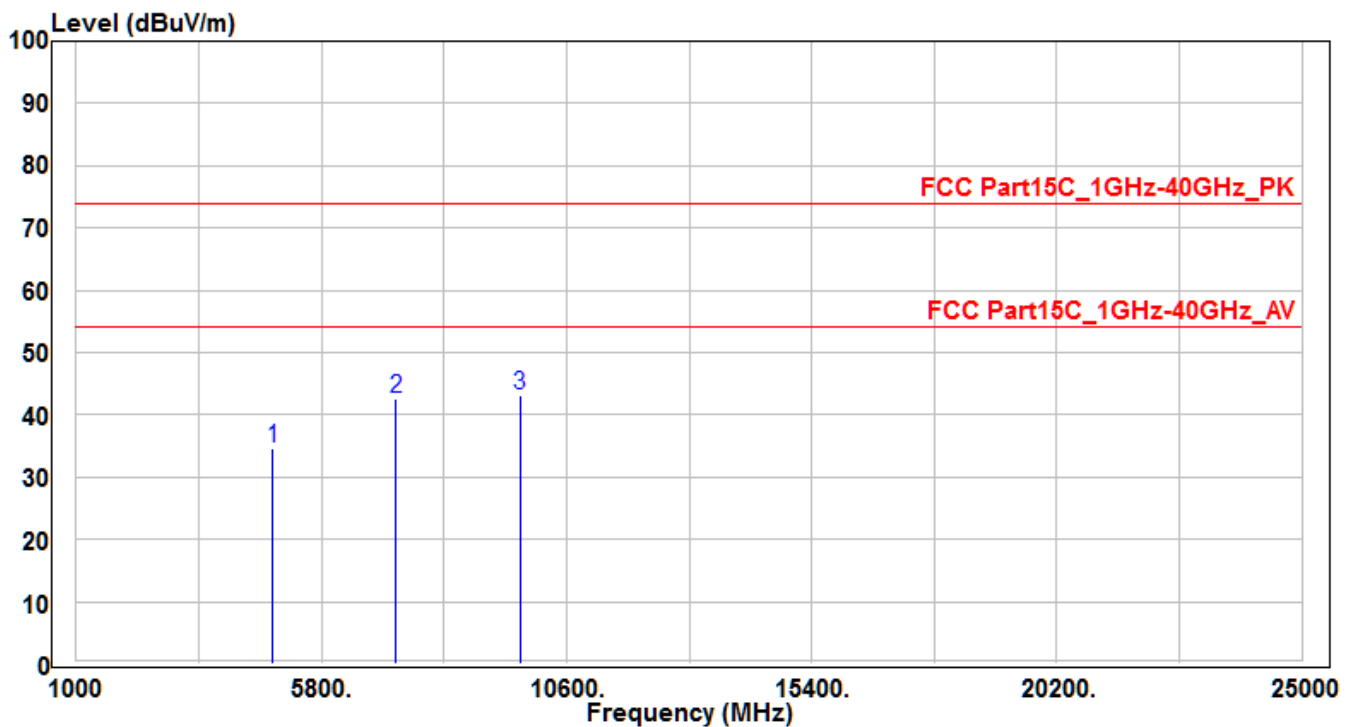


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4924            | 34.19          | 2.91     | 37.1                 | -36.9       | 74           | 150         | 400         | Peak              |
| 2  | 7386            | 29.53          | 12.09    | 41.62                | -32.38      | 74           | 150         | 400         | Peak              |
| 3  | *               | 9848           | 15.02    | 46.08                | -27.92      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH03                     | Test Voltage     | AC 120V/60Hz |

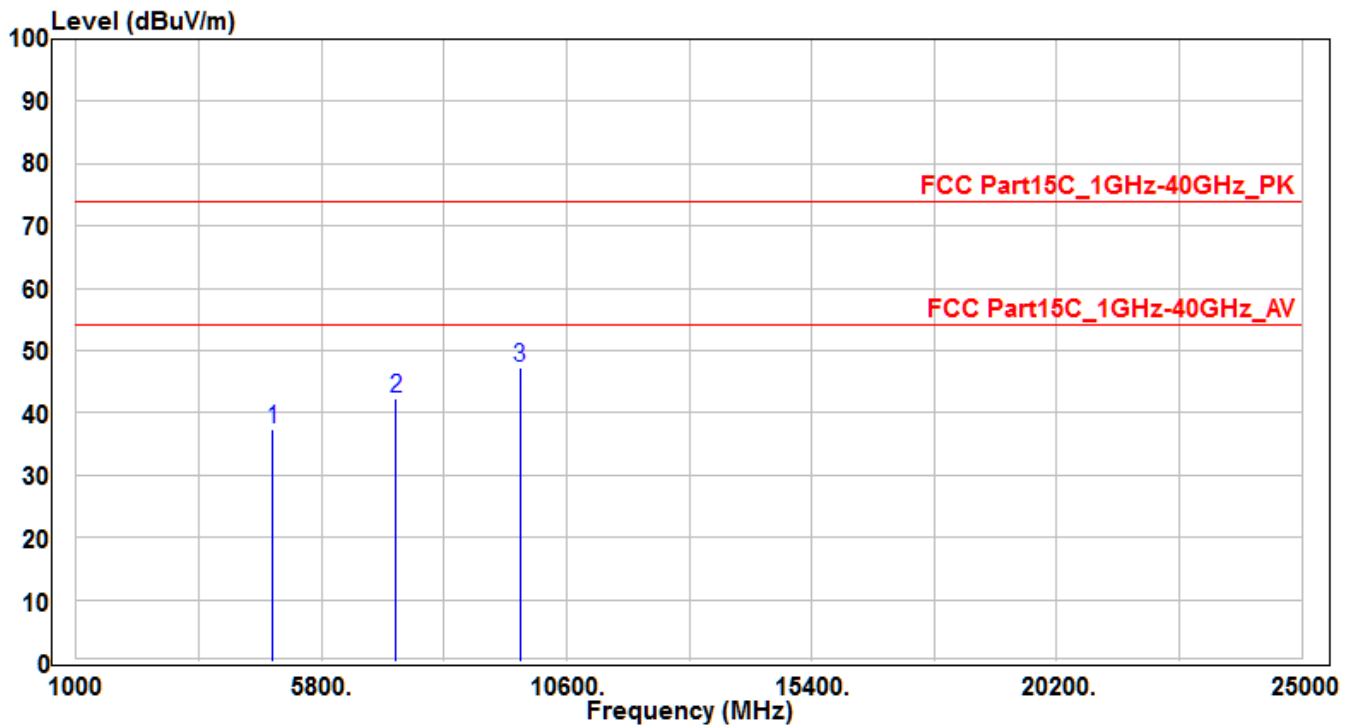


| No |   | Frequency<br>(MHz) | Reading<br>(dBuV) | C.F<br>(dB) | Measurement<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV) | Height<br>(cm) | Angle<br>(deg) | Remark<br>(QP/PK/AV) |
|----|---|--------------------|-------------------|-------------|-------------------------|----------------|-----------------|----------------|----------------|----------------------|
| 1  |   | 4844               | 31.87             | 2.77        | 34.64                   | -39.36         | 74              | 150            | 400            | Peak                 |
| 2  |   | 7266               | 31.04             | 11.53       | 42.57                   | -31.43         | 74              | 150            | 400            | Peak                 |
| 3  | * | 9688               | 28.57             | 14.65       | 43.22                   | -30.78         | 74              | 150            | 400            | Peak                 |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH03                     | Test Voltage     | AC 120V/60Hz |

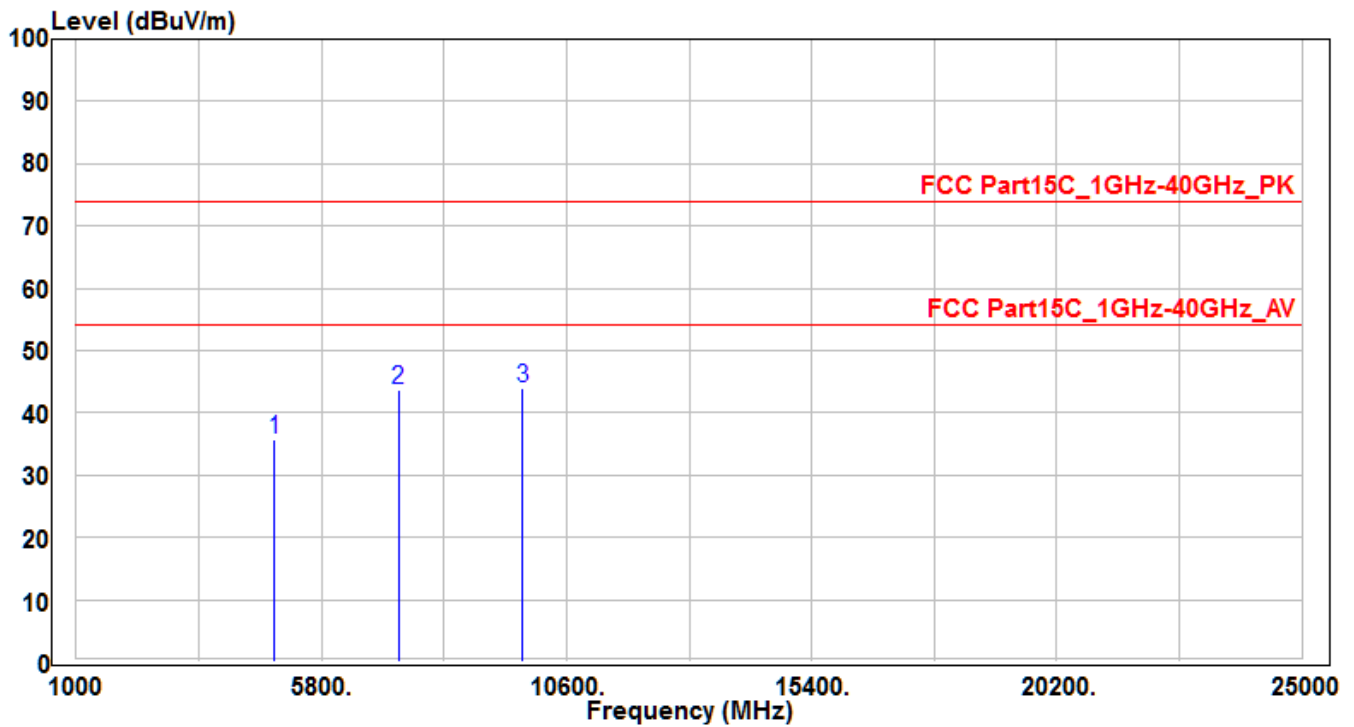


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4844            | 34.53          | 2.77     | 37.3                 | -36.7       | 74           | 150         | 400         | Peak              |
| 2  | 7266            | 30.87          | 11.53    | 42.4                 | -31.6       | 74           | 150         | 400         | Peak              |
| 3  | *               | 9688           | 14.65    | 47.22                | -26.78      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH06                     | Test Voltage     | AC 120V/60Hz |

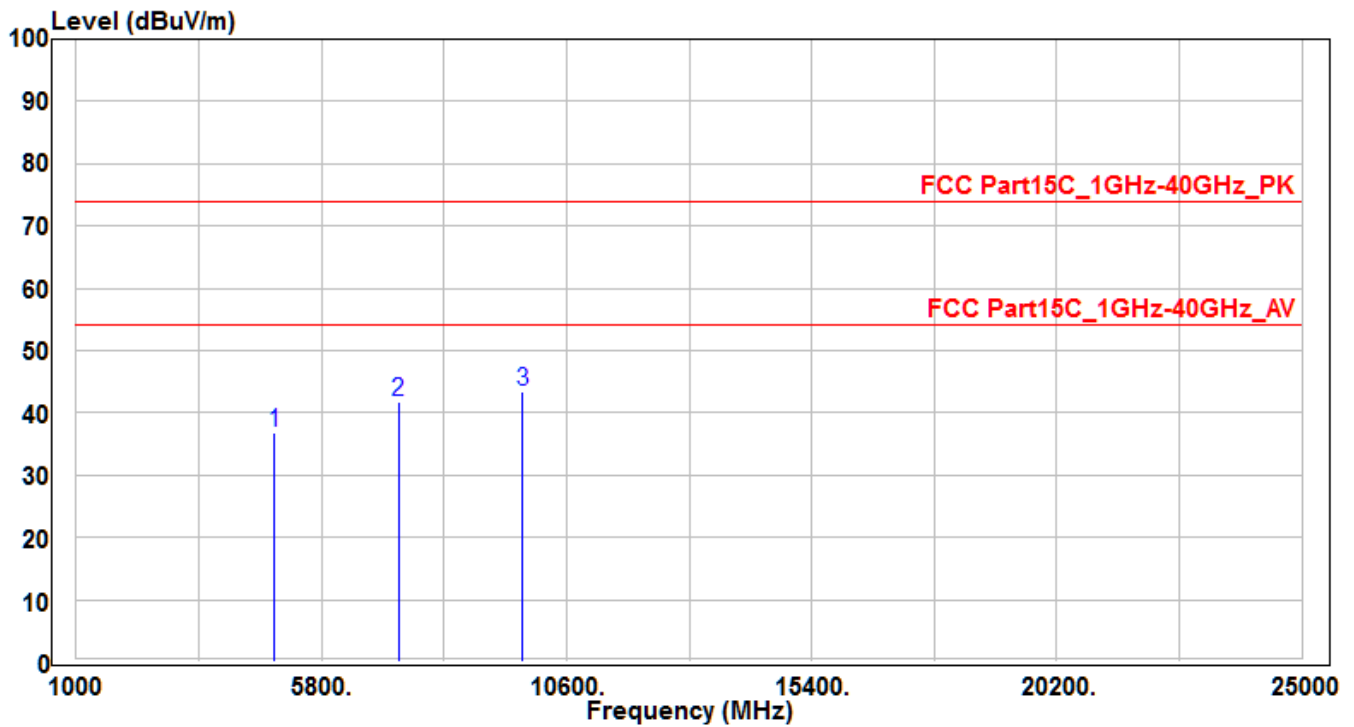


| No |   | Frequency<br>(MHz) | Reading<br>(dBuV) | C.F<br>(dB) | Measurement<br>(dBuV/m) | Margin<br>(dB) | Limit<br>(dBuV) | Height<br>(cm) | Angle<br>(deg) | Remark<br>(QP/PK/AV) |
|----|---|--------------------|-------------------|-------------|-------------------------|----------------|-----------------|----------------|----------------|----------------------|
| 1  |   | 4874               | 32.83             | 2.82        | 35.65                   | -38.35         | 74              | 150            | 400            | Peak                 |
| 2  |   | 7311               | 31.86             | 11.74       | 43.6                    | -30.4          | 74              | 150            | 400            | Peak                 |
| 3  | * | 9748               | 29.23             | 14.79       | 44.02                   | -29.98         | 74              | 150            | 400            | Peak                 |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH06                     | Test Voltage     | AC 120V/60Hz |

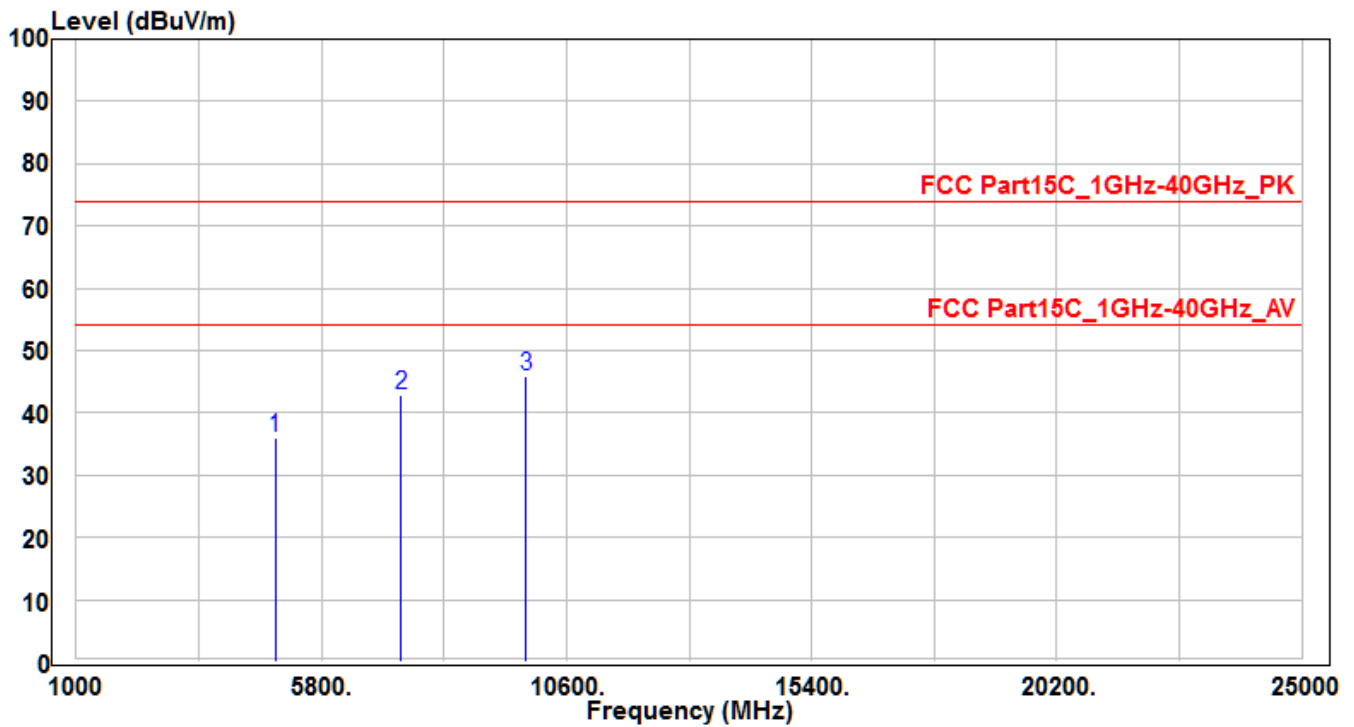


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4874            | 33.98          | 2.82     | 36.8                 | -37.2       | 74           | 150         | 400         | Peak              |
| 2  | 7311            | 30.14          | 11.74    | 41.88                | -32.12      | 74           | 150         | 400         | Peak              |
| 3  | *               | 9748           | 28.7     | 43.49                | -30.51      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH09                     | Test Voltage     | AC 120V/60Hz |

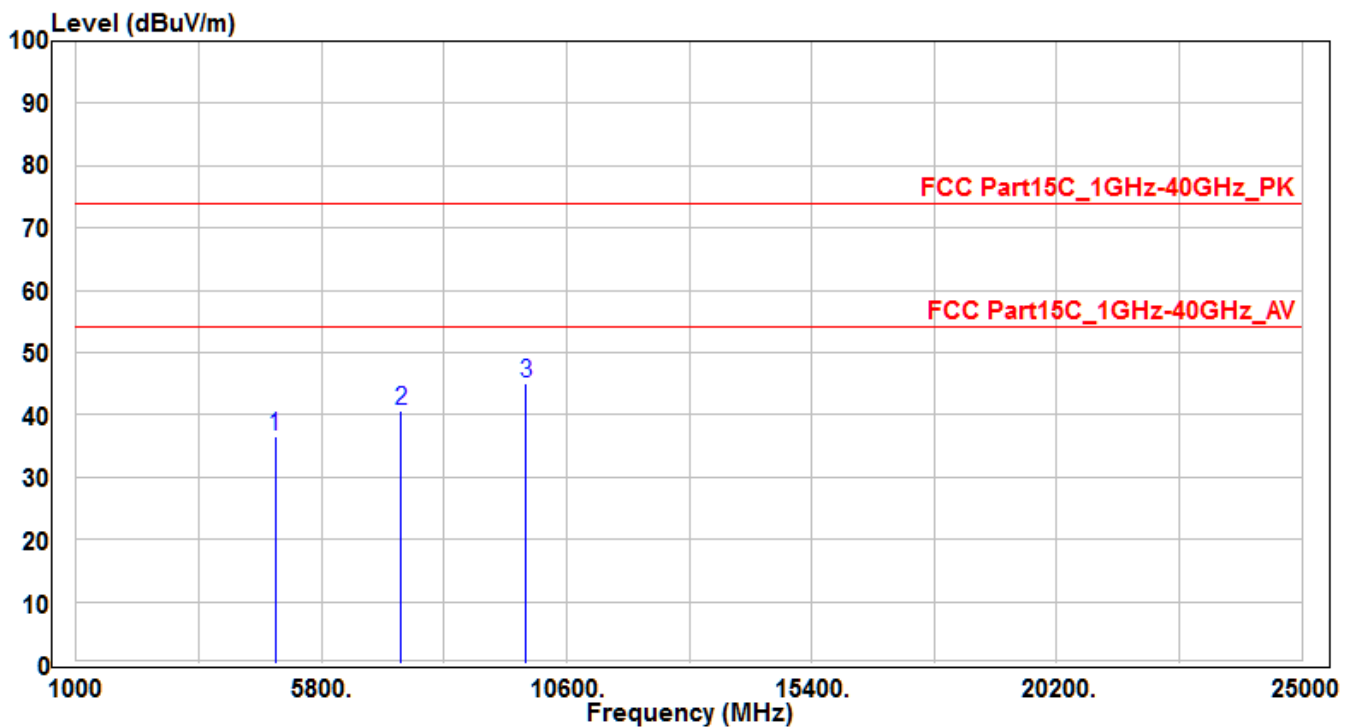


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4904            | 33.07          | 2.88     | 35.95                | -38.05      | 74           | 150         | 400         | Peak              |
| 2  | 7356            | 30.81          | 11.96    | 42.77                | -31.23      | 74           | 150         | 400         | Peak              |
| 3  | *               | 9808           | 14.93    | 45.78                | -28.22      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH09                     | Test Voltage     | AC 120V/60Hz |



| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 4904            | 33.64          | 2.88     | 36.52                | -37.48      | 74           | 150         | 400         | Peak              |
| 2  | 7356            | 28.72          | 11.96    | 40.68                | -33.32      | 74           | 150         | 400         | Peak              |
| 3  | *               | 9808           | 14.93    | 44.96                | -29.04      | 74           | 150         | 400         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB) °
- Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) °
- The emission levels of other frequencies are very lower than the limit and not show in test report °

## 7.4. Radiated Restricted Band Edge Measurement

### 7.4.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

| FCC Part 15 Subpart C Paragraph 15.209 |                         |                               |
|----------------------------------------|-------------------------|-------------------------------|
| Frequency<br>[MHz]                     | Field Strength<br>[V/m] | Measured Distance<br>[Meters] |
| 0.009 - 0.490                          | 2400/F (kHz)            | 300                           |
| 0.490 - 1.705                          | 24000/F (kHz)           | 30                            |
| 1.705 – 30                             | 30                      | 30                            |
| 30 – 88                                | 100                     | 3                             |
| 88 – 216                               | 150                     | 3                             |
| 216 – 960                              | 200                     | 3                             |
| Above 960                              | 500                     | 3                             |

### 7.4.2. Test Procedure Used

ANSI C63.10-2013 - Section 11.12.1

### 7.4.3. Test Setting

#### Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = 3 \* RBW
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

**Table 1 - RBW as a function of frequency**

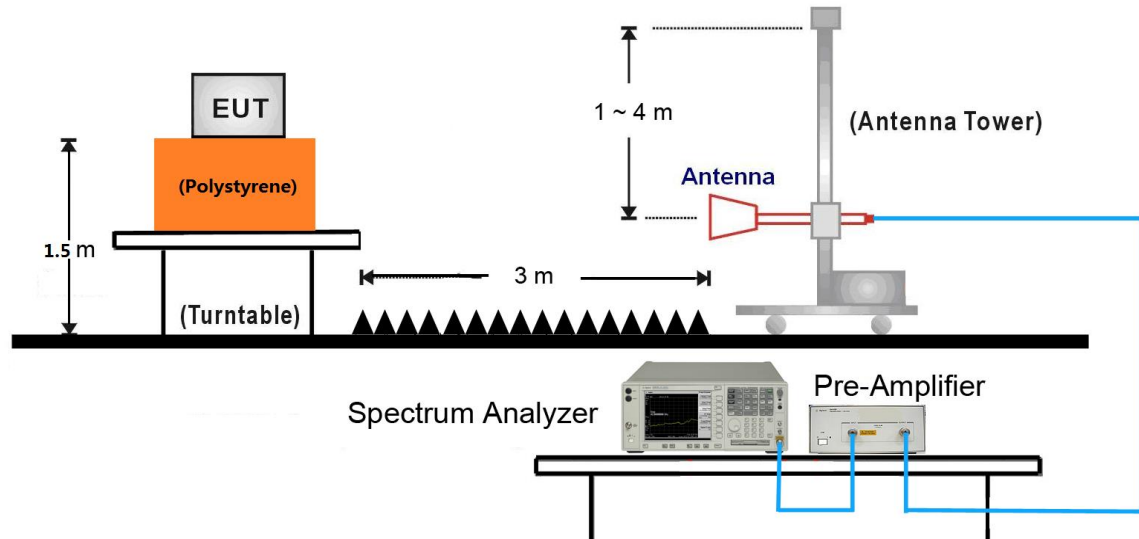
| Frequency     | RBW           |
|---------------|---------------|
| 9 ~ 150 kHz   | 200 ~ 300 Hz  |
| 0.15 ~ 30 MHz | 9 ~ 10 kHz    |
| 30 ~ 1000 MHz | 100 ~ 120 kHz |
| > 1000 MHz    | 1 MHz         |

**Average Field Strength Measurements**

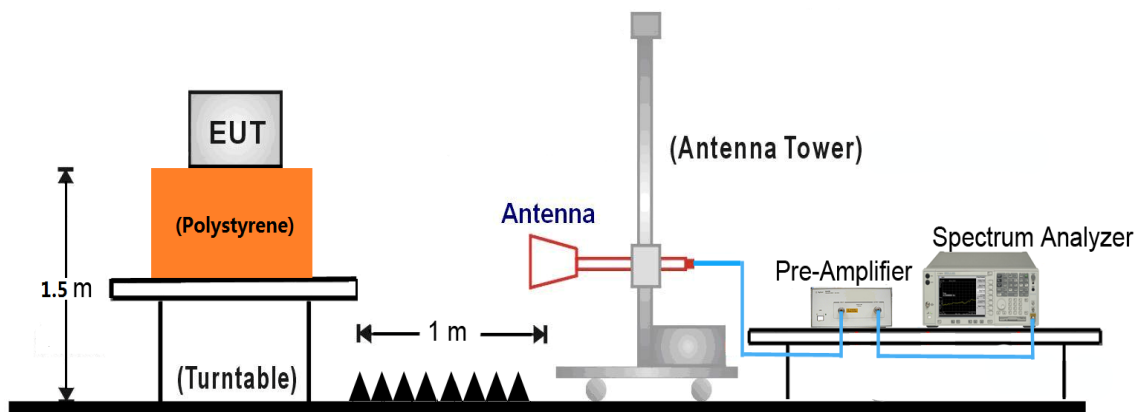
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW  $\geq 1/T$
4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

#### 7.4.4. Test Setup

##### 1GHz ~ 18GHz Test Setup:

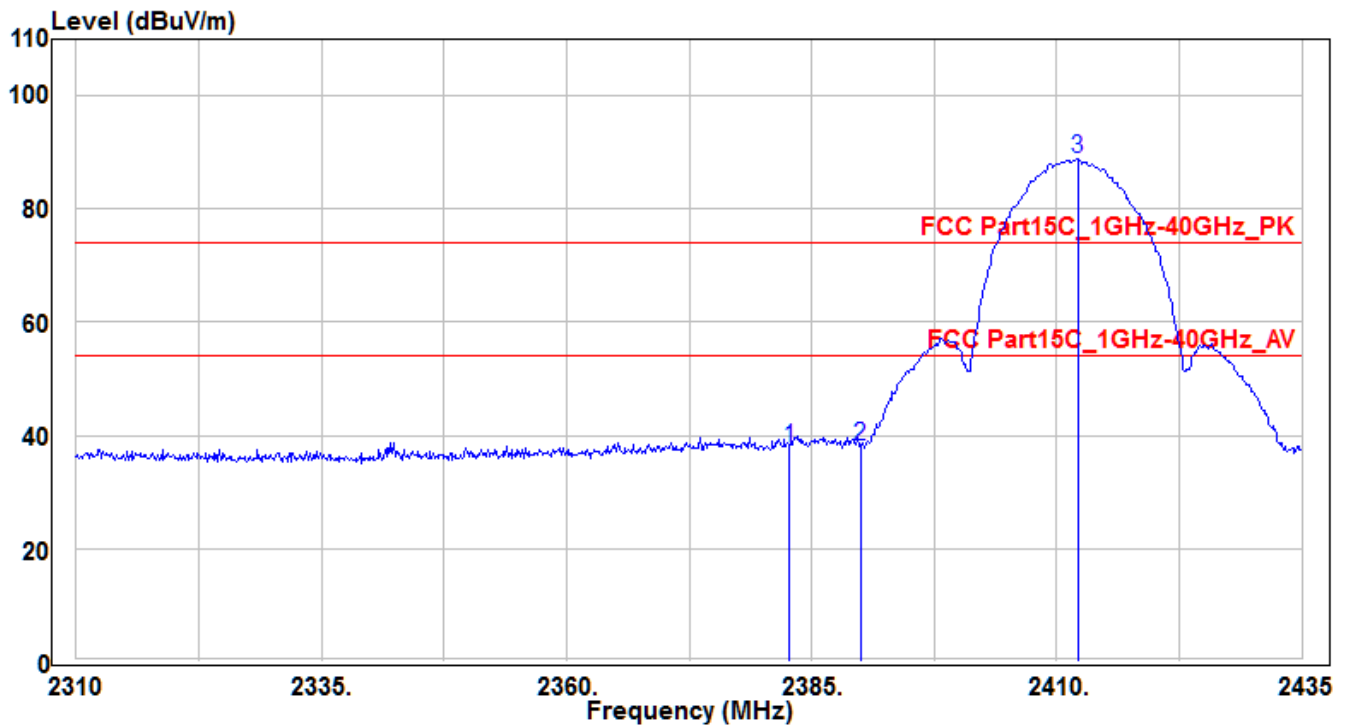


##### 18GHz ~ 40GHz Test Setup:



#### 7.4.5. Test Result

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE1-CH01                     | Test Voltage     | AC 120V/60Hz |

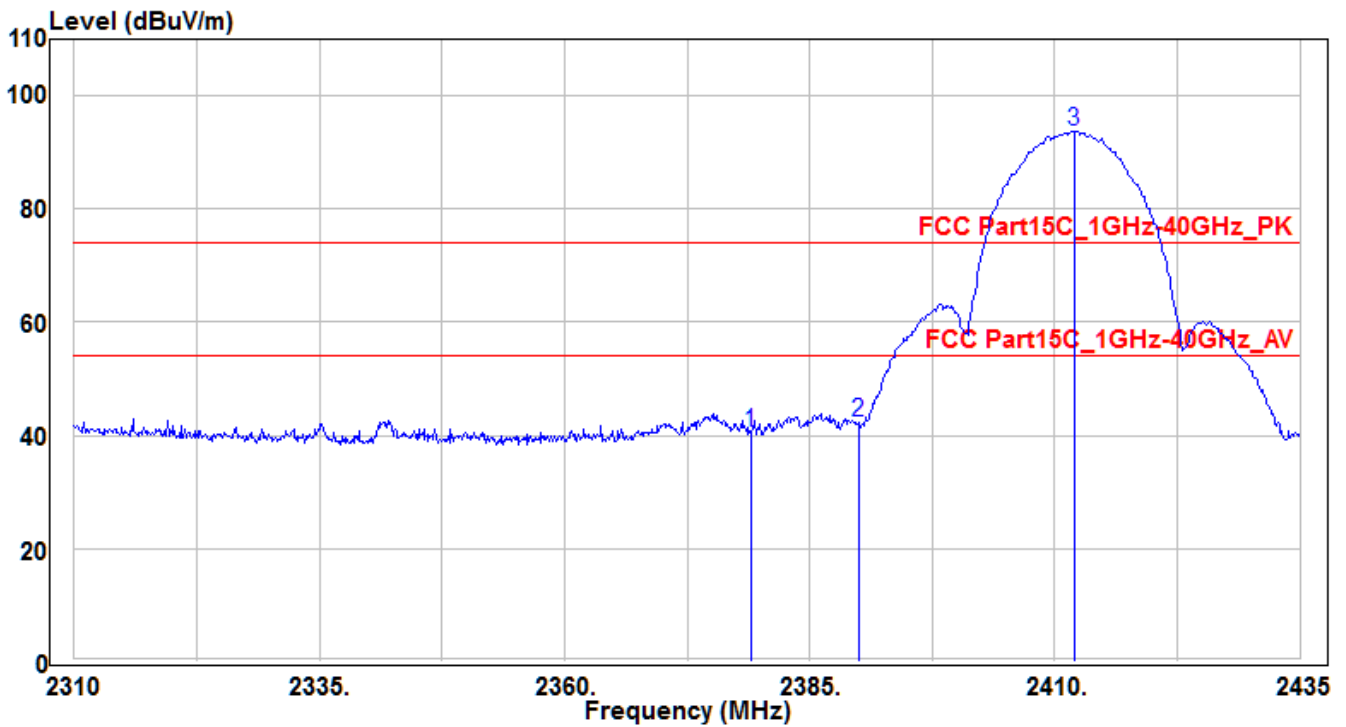


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 2382.75         | 40.51          | -2.63    | 37.88                | -36.12      | 74           | 150         | 305         | Peak              |
| 2  | 2390            | 40.79          | -2.59    | 38.2                 | -35.8       | 74           | 150         | 305         | Peak              |
| 3  | * 2412.125      | 91.26          | -2.49    | 88.77                | 14.77       | 74           | 150         | 305         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE1-CH01                     | Test Voltage     | AC 120V/60Hz |

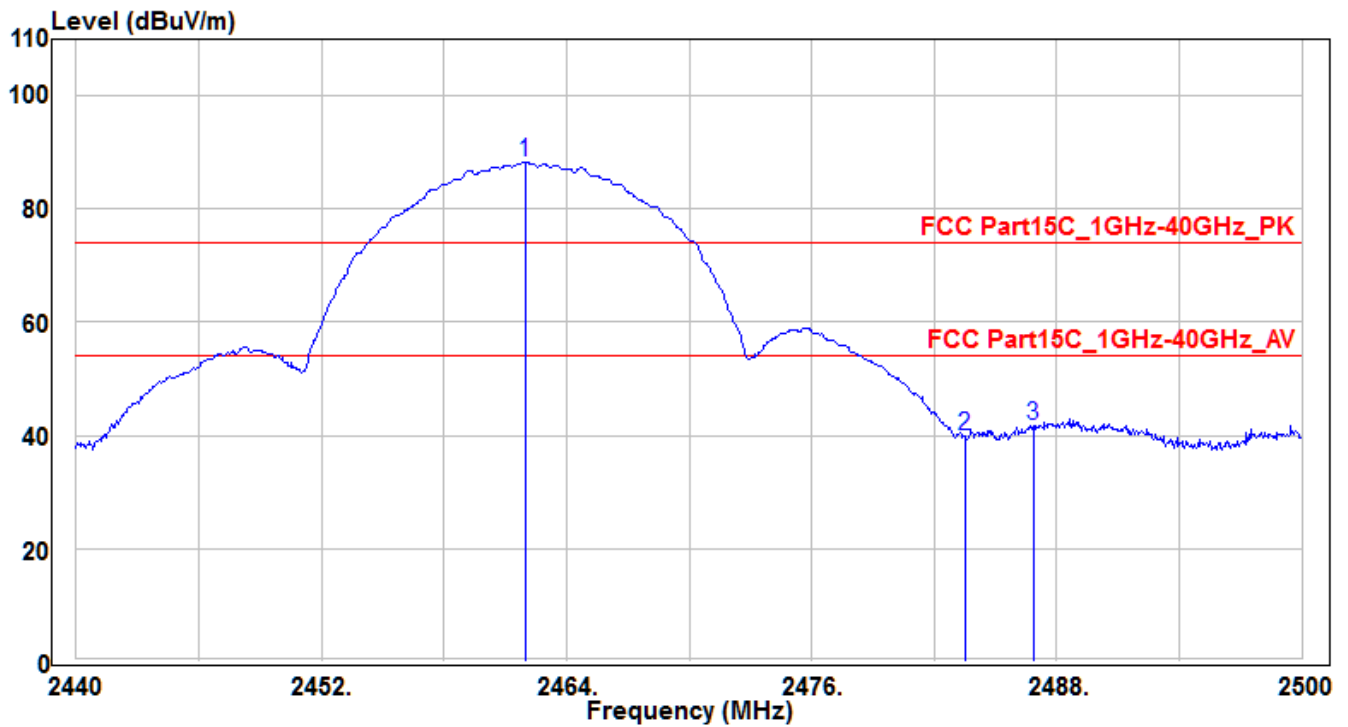


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 2379            | 43.3           | -2.66    | 40.64                | -33.36      | 74           | 150         | 335         | Peak              |
| 2  | 2390            | 44.81          | -2.59    | 42.22                | -31.78      | 74           | 150         | 335         | Peak              |
| 3  | *               | 96.21          | -2.49    | 93.72                | 19.72       | 74           | 150         | 335         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE1-CH11                     | Test Voltage     | AC 120V/60Hz |

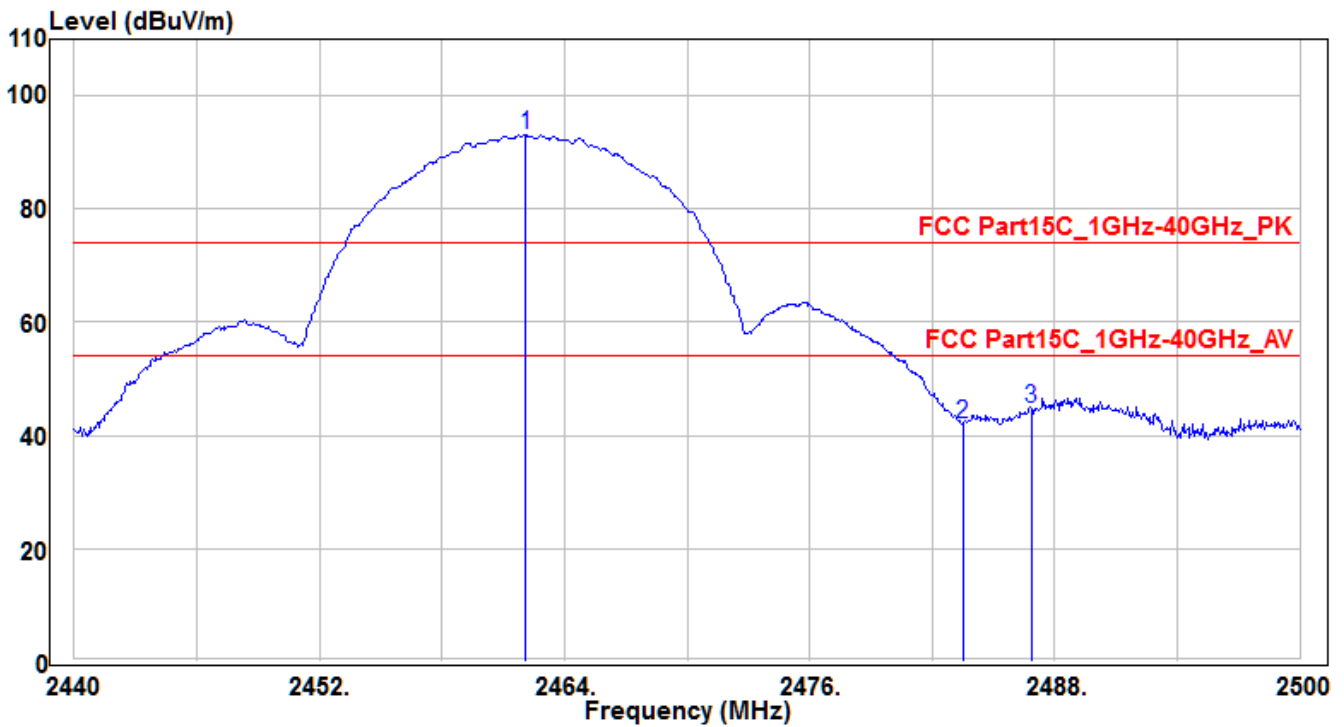


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | * | 2461.96         | 90.38          | -2.23    | 88.15                | 14.15       | 74           | 150         | 265         | Peak              |
| 2  |   | 2483.5          | 41.95          | -2.11    | 39.84                | -34.16      | 74           | 150         | 265         | Peak              |
| 3  |   | 2486.86         | 43.81          | -2.1     | 41.71                | -32.29      | 74           | 150         | 265         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE1-CH11                     | Test Voltage     | AC 120V/60Hz |

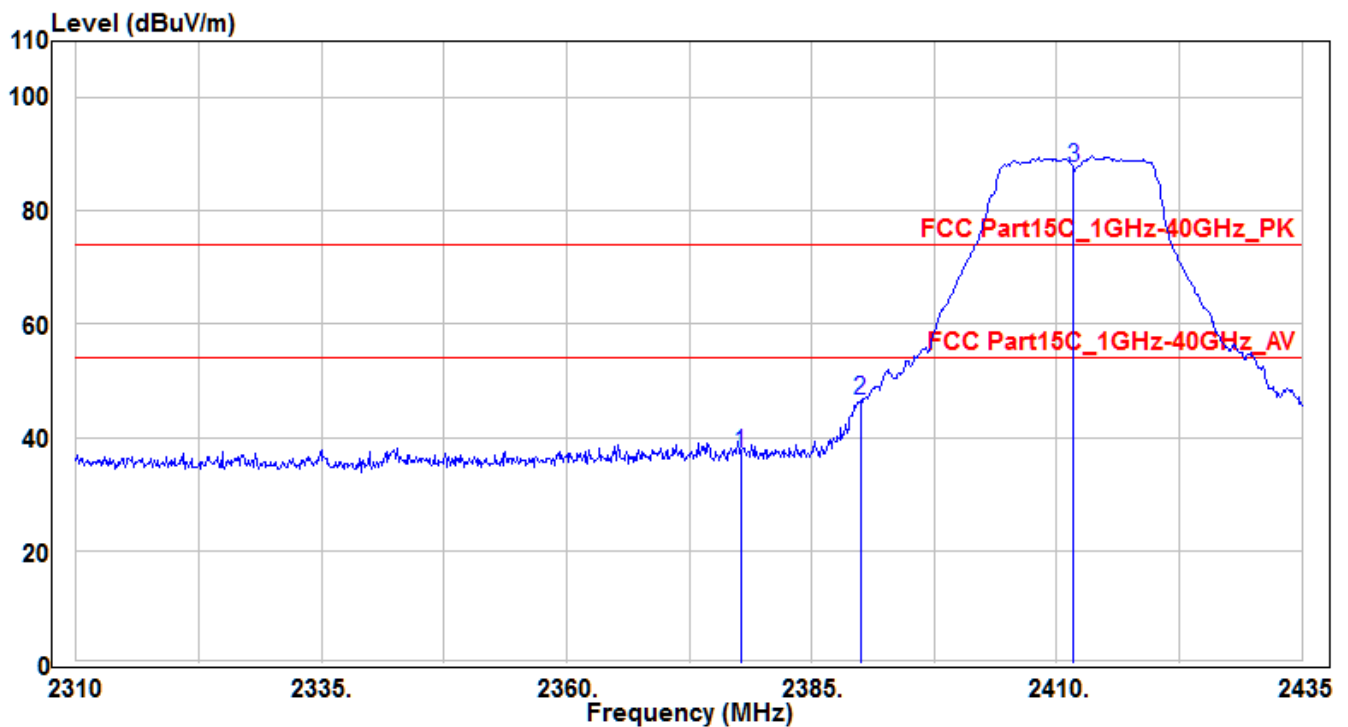


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | * | 2462.08         | 95.34          | -2.23    | 93.11                | 19.11       | 74           | 150         | 335         | Peak              |
| 2  |   | 2483.5          | 44             | -2.11    | 41.89                | -32.11      | 74           | 150         | 335         | Peak              |
| 3  |   | 2486.86         | 46.86          | -2.1     | 44.76                | -29.24      | 74           | 150         | 335         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE2-CH01                     | Test Voltage     | AC 120V/60Hz |

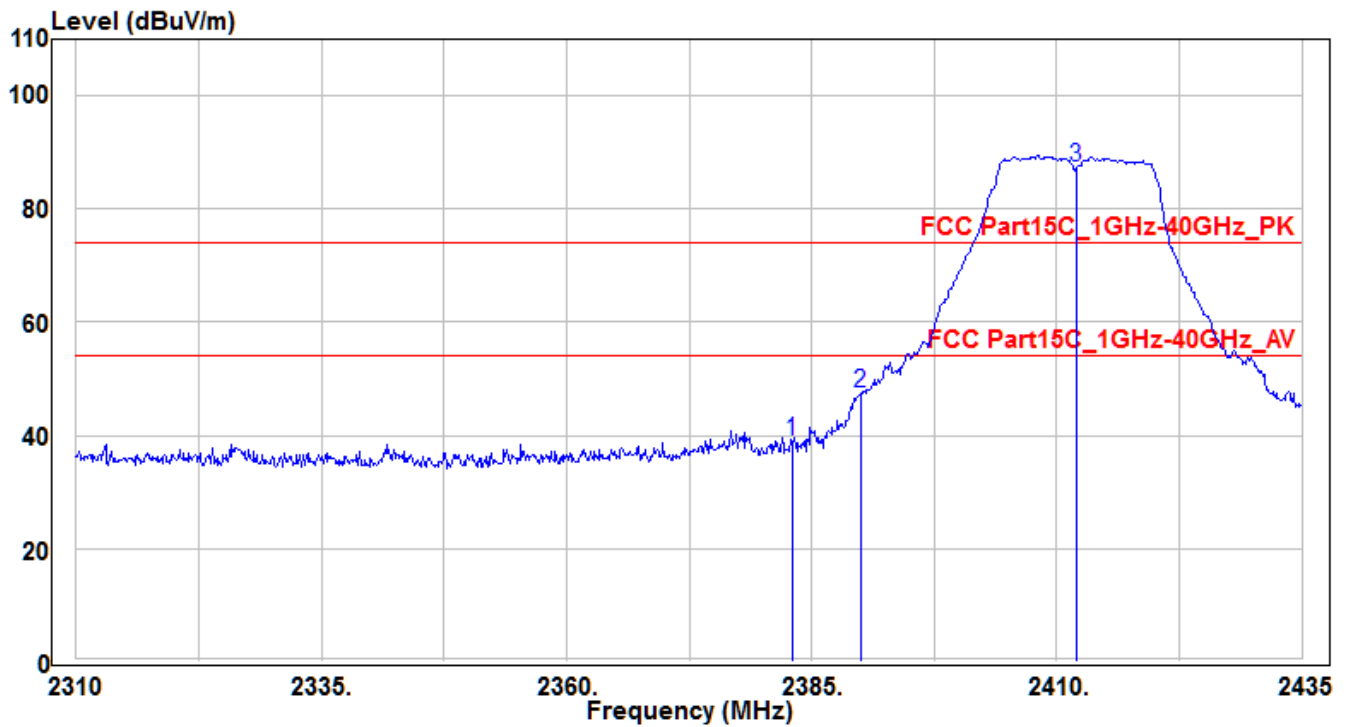


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 2377.75         | 39.99          | -2.66    | 37.33                | -36.67      | 74           | 150         | 305         | Peak              |
| 2  | 2390            | 49.08          | -2.59    | 46.49                | -27.51      | 74           | 150         | 305         | Peak              |
| 3  | * 2411.75       | 90.07          | -2.49    | 87.58                | 13.58       | 74           | 150         | 305         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE2-CH01                     | Test Voltage     | AC 120V/60Hz |

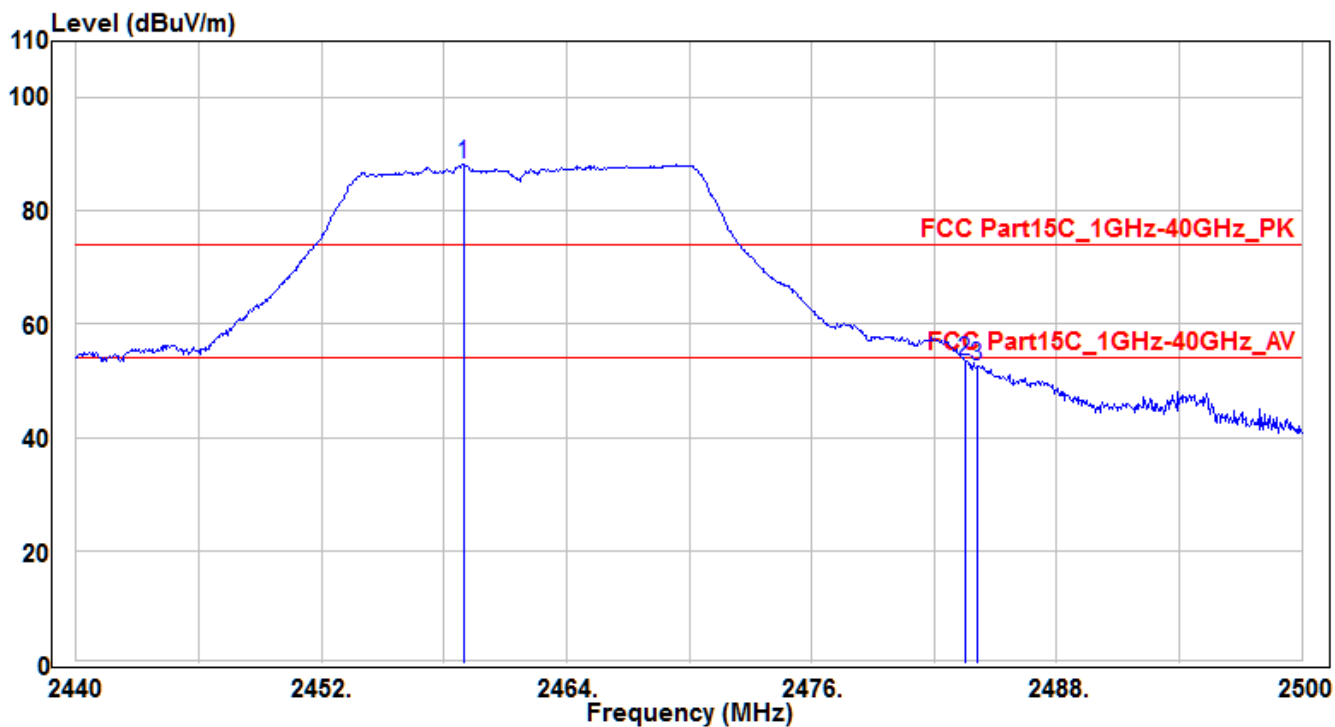


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 2383            | 41.49          | -2.63    | 38.86                | -35.14      | 74           | 155         | 320         | Peak              |
| 2  | 2390            | 49.99          | -2.59    | 47.4                 | -26.6       | 74           | 155         | 320         | Peak              |
| 3  | *               | 89.82          | -2.49    | 87.33                | 13.33       | 74           | 155         | 320         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE2-CH11                     | Test Voltage     | AC 120V/60Hz |

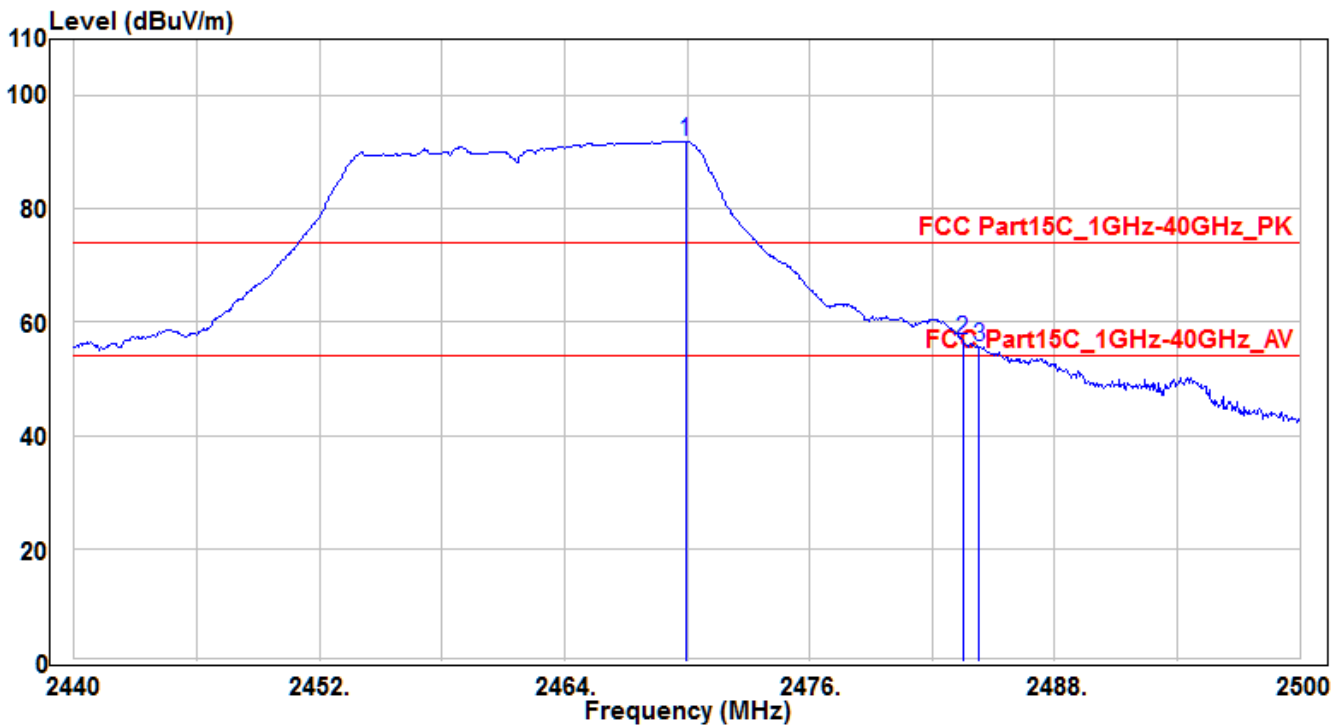


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | * | 2458.96         | 90.44          | -2.23    | 88.21                | 14.21       | 74           | 150         | 265         | Peak              |
| 2  |   | 2483.5          | 55.57          | -2.11    | 53.46                | -20.54      | 74           | 150         | 265         | Peak              |
| 3  |   | 2484.1          | 54.75          | -2.1     | 52.65                | -21.35      | 74           | 150         | 265         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE2-CH11                     | Test Voltage     | AC 120V/60Hz |

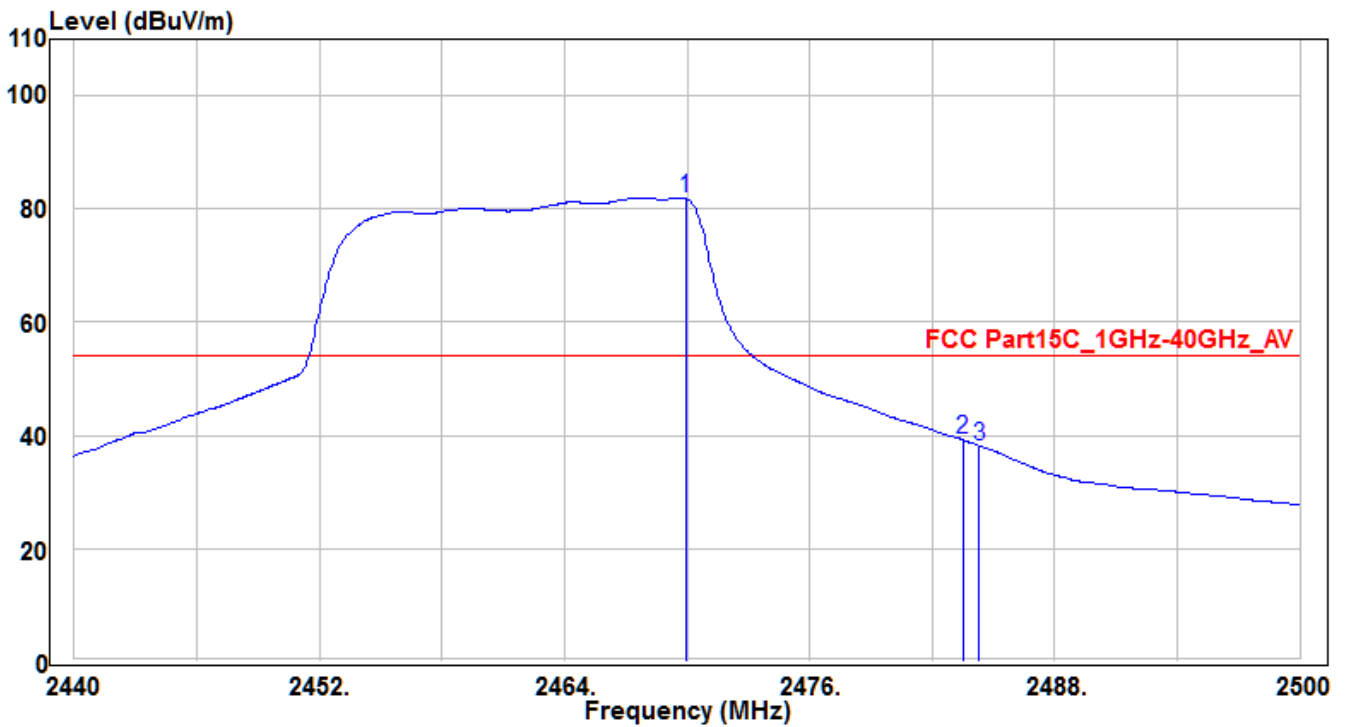


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | * | 2469.94         | 94.14          | -2.18    | 91.96                | 17.96       | 74           | 155         | 340         | Peak              |
| 2  |   | 2483.5          | 58.84          | -2.11    | 56.73                | -17.27      | 74           | 155         | 340         | Peak              |
| 3  |   | 2484.28         | 57.86          | -2.1     | 55.76                | -18.24      | 74           | 155         | 340         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE2-CH11                     | Test Voltage     | AC 120V/60Hz |

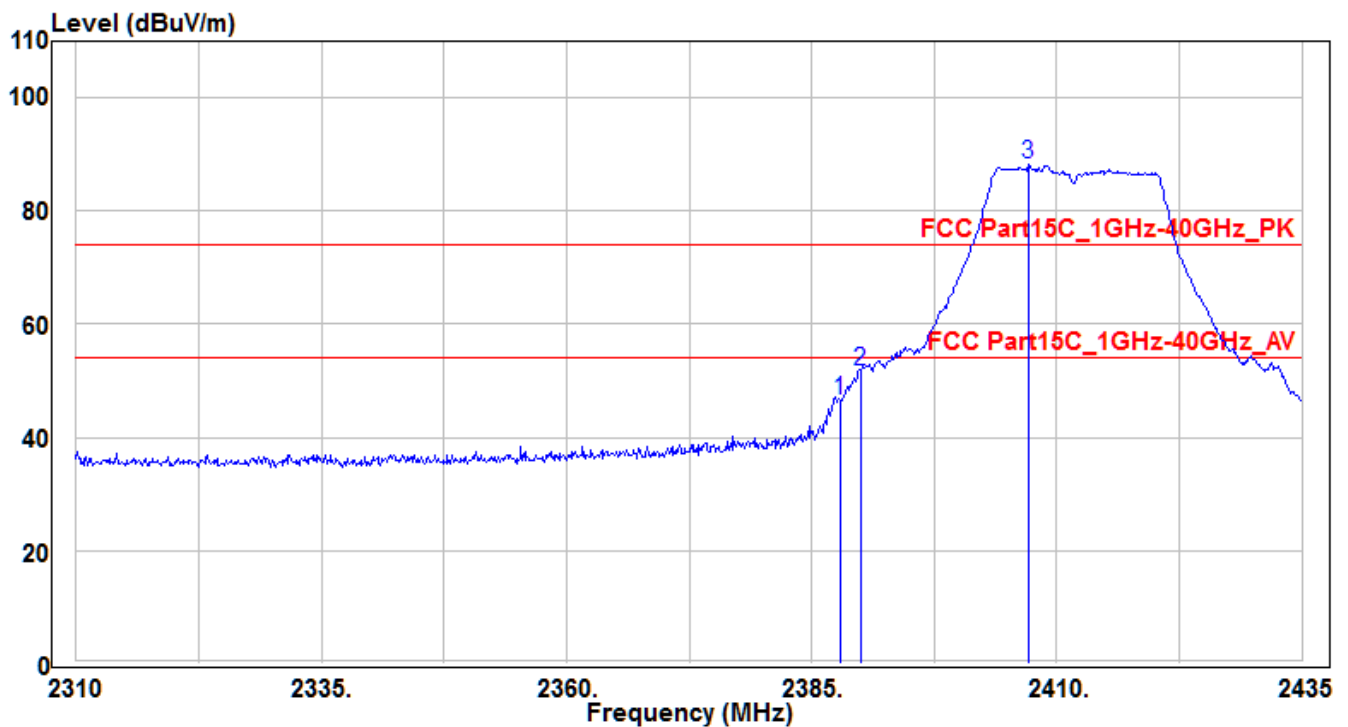


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | * | 2469.94         | 84.02          | -2.18    | 81.84                | 27.84       | 54           | 155         | 340         | Average           |
| 2  |   | 2483.5          | 41.3           | -2.11    | 39.19                | -14.81      | 54           | 155         | 340         | Average           |
| 3  |   | 2484.28         | 40.33          | -2.1     | 38.23                | -15.77      | 54           | 155         | 340         | Average           |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH01                     | Test Voltage     | AC 120V/60Hz |

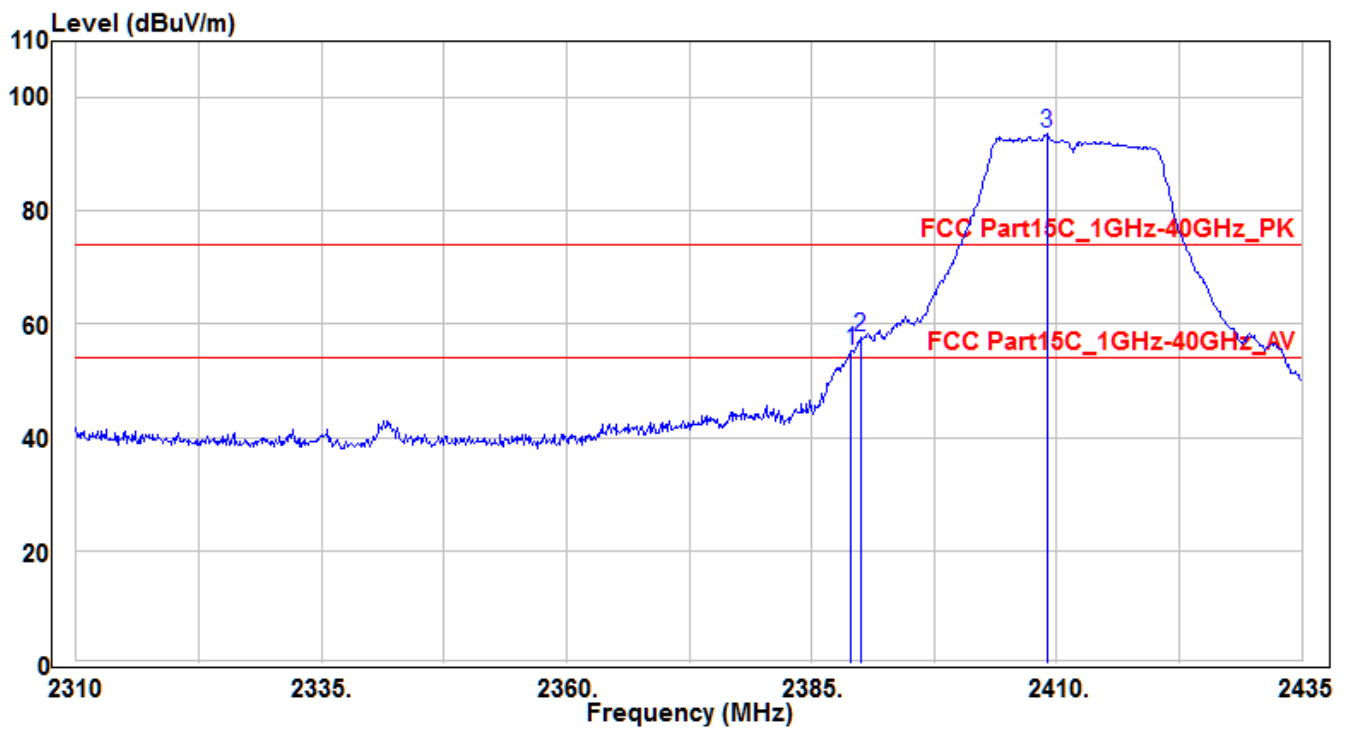


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 2387.875        | 49.25          | -2.59    | 46.66                | -27.34      | 74           | 150         | 265         | Peak              |
| 2  | 2390            | 54.24          | -2.59    | 51.65                | -22.35      | 74           | 150         | 265         | Peak              |
| 3  | * 2407.125      | 90.7           | -2.5     | 88.2                 | 14.2        | 74           | 150         | 265         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH01                     | Test Voltage     | AC 120V/60Hz |

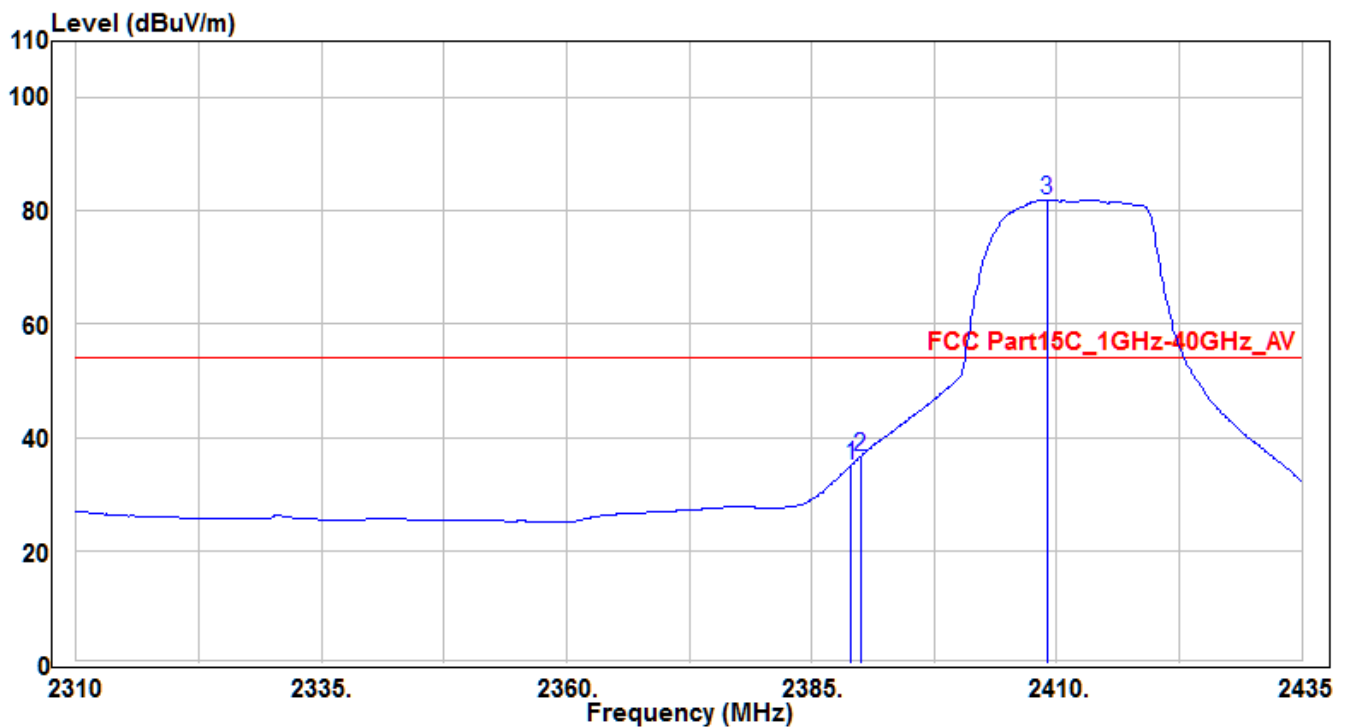


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 2389            | 57.97          | -2.59    | 55.38                | -18.62      | 74           | 150         | -40         | Peak              |
| 2  | 2390            | 60.45          | -2.59    | 57.86                | -16.14      | 74           | 150         | -40         | Peak              |
| 3  | *               | 96.09          | -2.49    | 93.6                 | 19.6        | 74           | 150         | -40         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH01                     | Test Voltage     | AC 120V/60Hz |

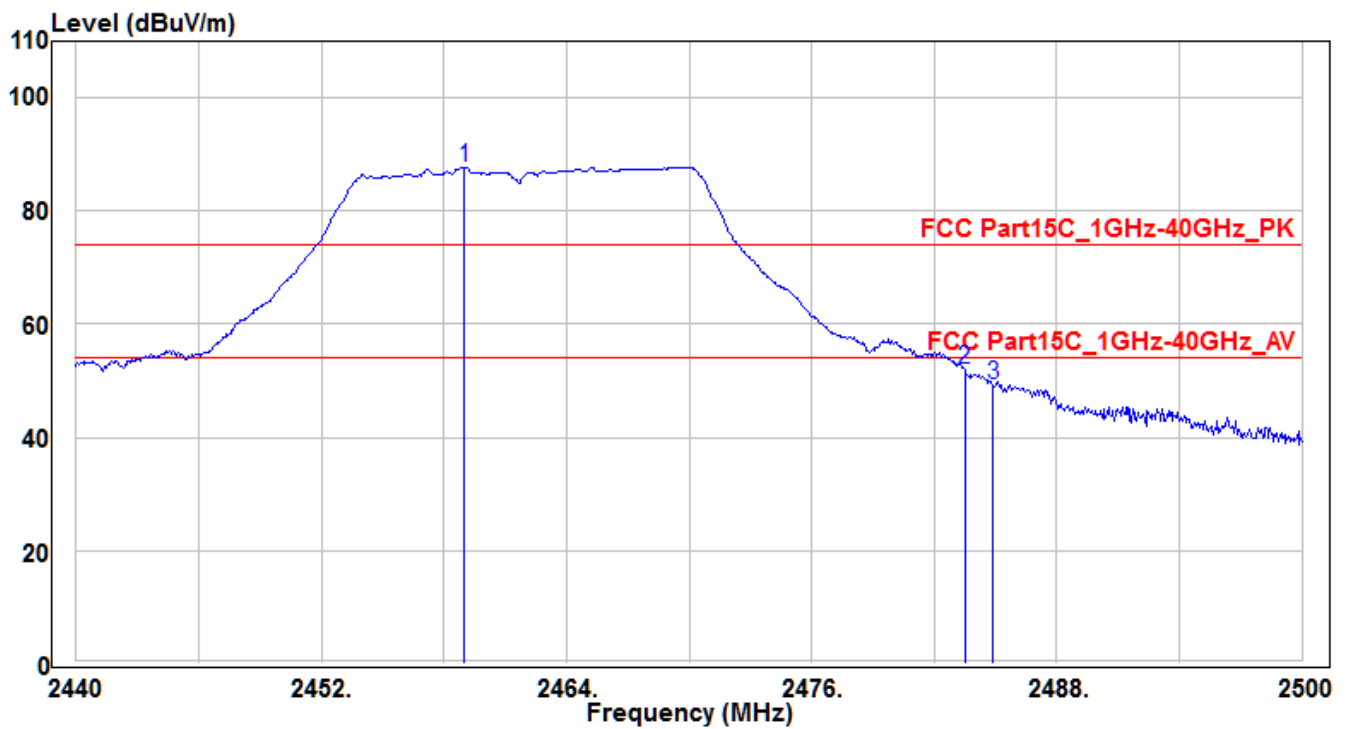


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 2389            | 37.64          | -2.59    | 35.05                | -18.95      | 54           | 150         | -40         | Average           |
| 2  | 2390            | 39.29          | -2.59    | 36.7                 | -17.3       | 54           | 150         | -40         | Average           |
| 3  | * 2409          | 84.41          | -2.49    | 81.92                | 27.92       | 54           | 150         | -40         | Average           |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH11                     | Test Voltage     | AC 120V/60Hz |

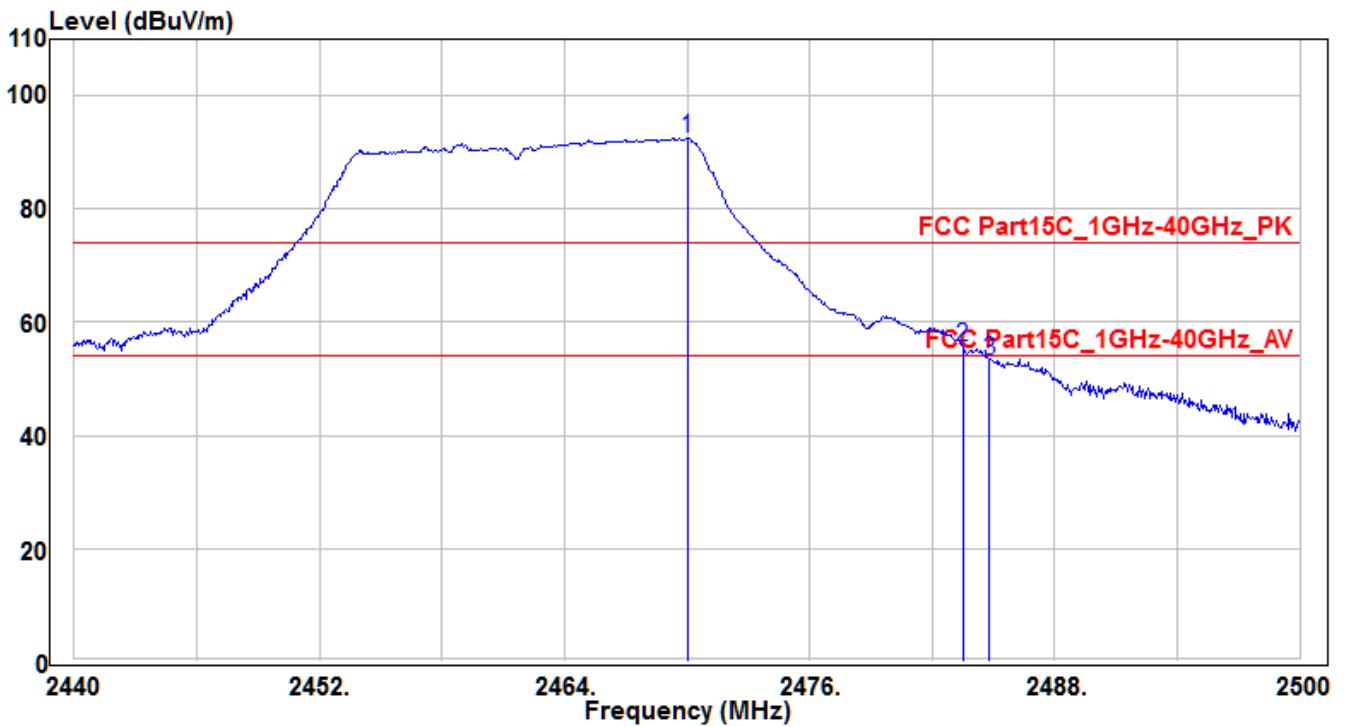


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | * | 2459.02         | 90.01          | -2.23    | 87.78                | 13.78       | 74           | 150         | 265         | Peak              |
| 2  |   | 2483.5          | 54.24          | -2.11    | 52.13                | -21.87      | 74           | 150         | 265         | Peak              |
| 3  |   | 2484.88         | 51.45          | -2.1     | 49.35                | -24.65      | 74           | 150         | 265         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH11                     | Test Voltage     | AC 120V/60Hz |

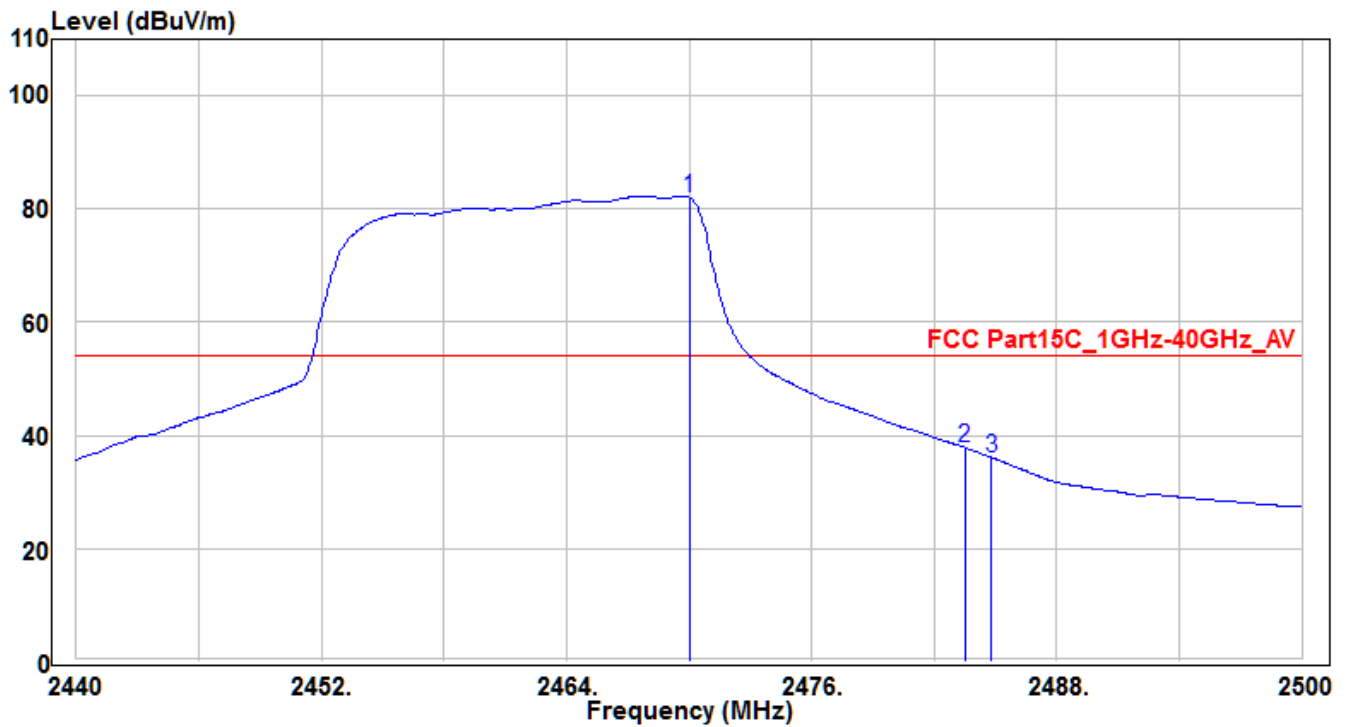


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | * | 2470            | 94.58          | -2.18    | 92.4                 | 18.4        | 74           | 150         | -20         | Peak              |
| 2  |   | 2483.5          | 57.58          | -2.11    | 55.47                | -18.53      | 74           | 150         | -20         | Peak              |
| 3  |   | 2484.82         | 55.4           | -2.1     | 53.3                 | -20.7       | 74           | 150         | -20         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE3-CH11                     | Test Voltage     | AC 120V/60Hz |

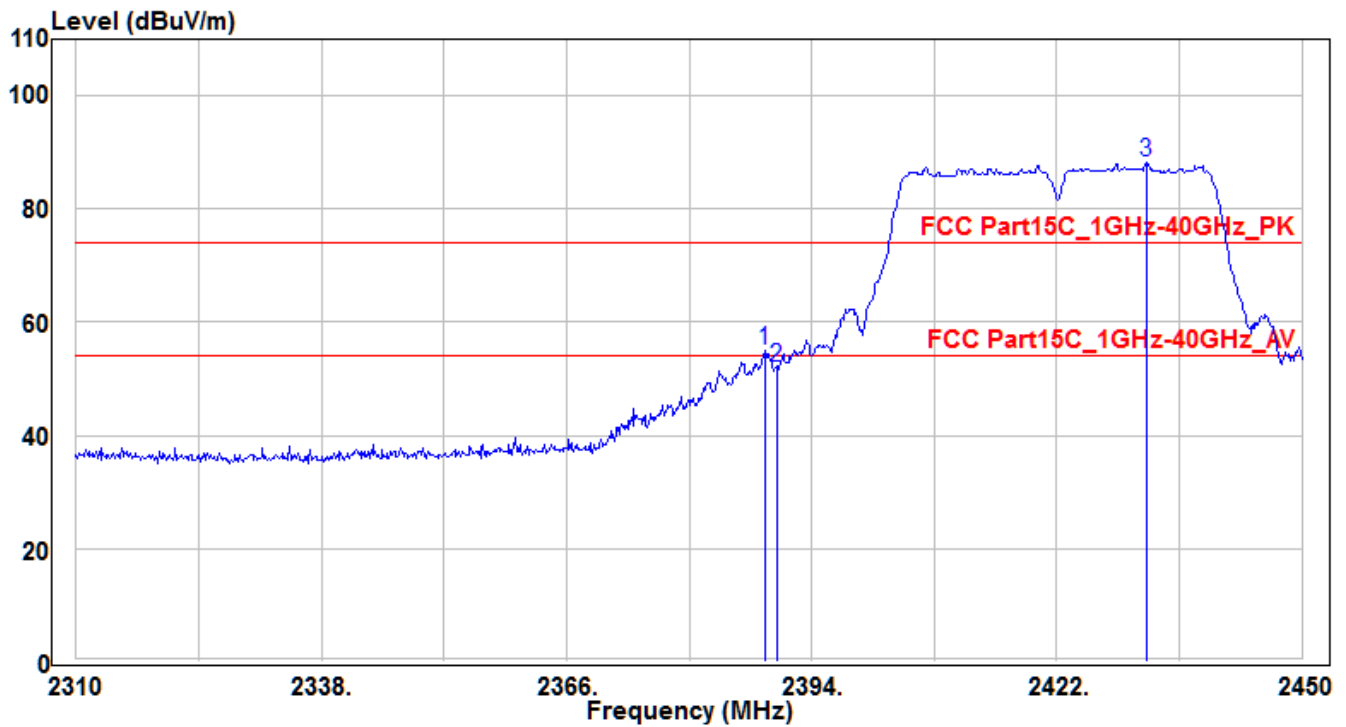


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | * | 2470            | 84.22          | -2.18    | 82.04                | 28.04       | 54           | 150         | -20         | Average           |
| 2  |   | 2483.5          | 39.97          | -2.11    | 37.86                | -16.14      | 54           | 150         | -20         | Average           |
| 3  |   | 2484.82         | 38.2           | -2.1     | 36.1                 | -17.9       | 54           | 150         | -20         | Average           |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH03                     | Test Voltage     | AC 120V/60Hz |

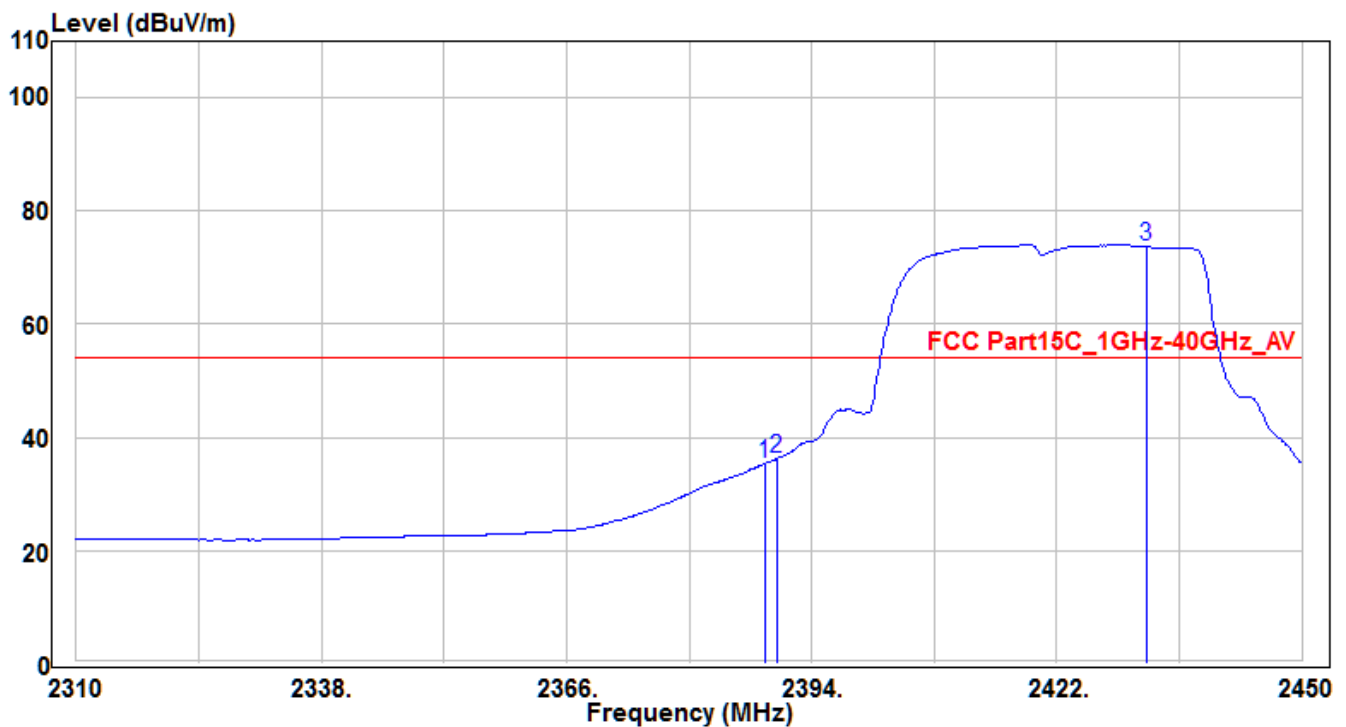


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 2388.68         | 57.56          | -2.59    | 54.97                | -19.03      | 74           | 150         | 265         | Peak              |
| 2  | 2390            | 54.66          | -2.59    | 52.07                | -21.93      | 74           | 150         | 265         | Peak              |
| 3  | * 2432.22       | 90.66          | -2.37    | 88.29                | 14.29       | 74           | 150         | 265         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH03                     | Test Voltage     | AC 120V/60Hz |

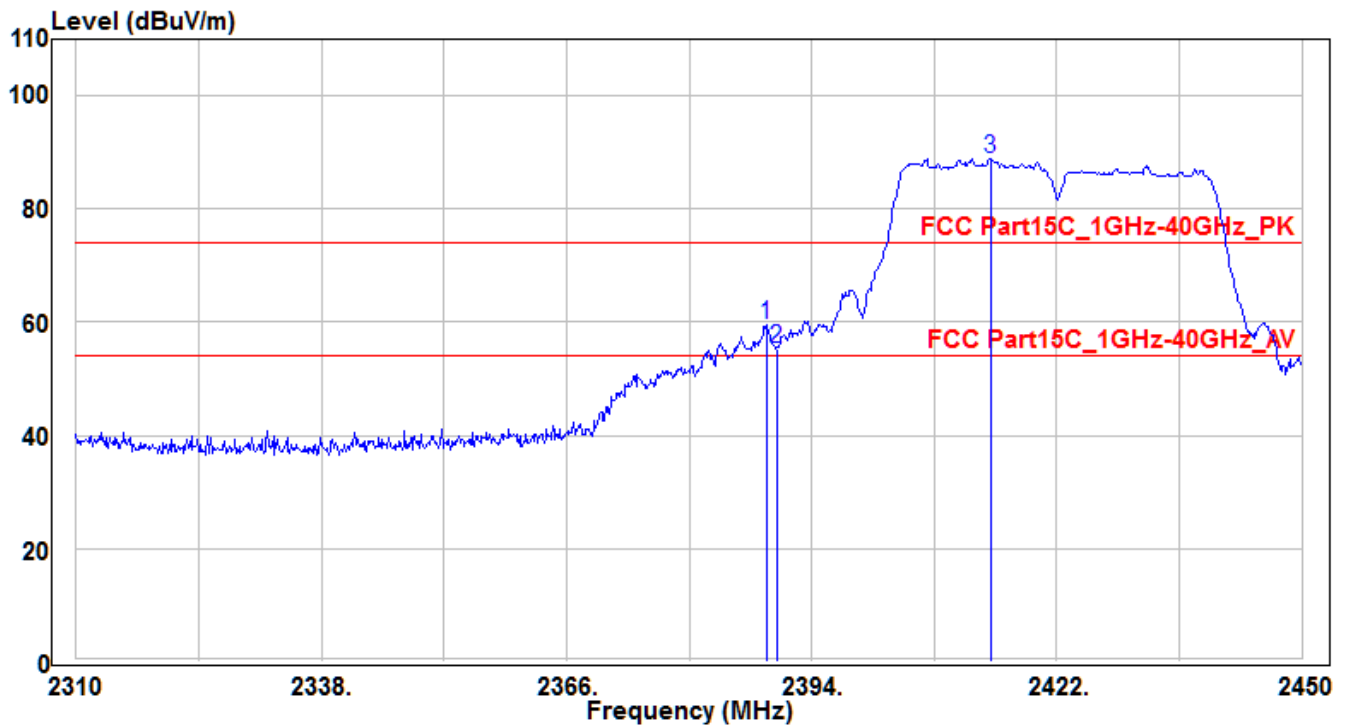


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 2388.68         | 38.03          | -2.59    | 35.44                | -18.56      | 54           | 150         | 265         | Average           |
| 2  | 2390            | 38.83          | -2.59    | 36.24                | -17.76      | 54           | 150         | 265         | Average           |
| 3  | * 2432.22       | 76.05          | -2.37    | 73.68                | 19.68       | 54           | 150         | 265         | Average           |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH03                     | Test Voltage     | AC 120V/60Hz |

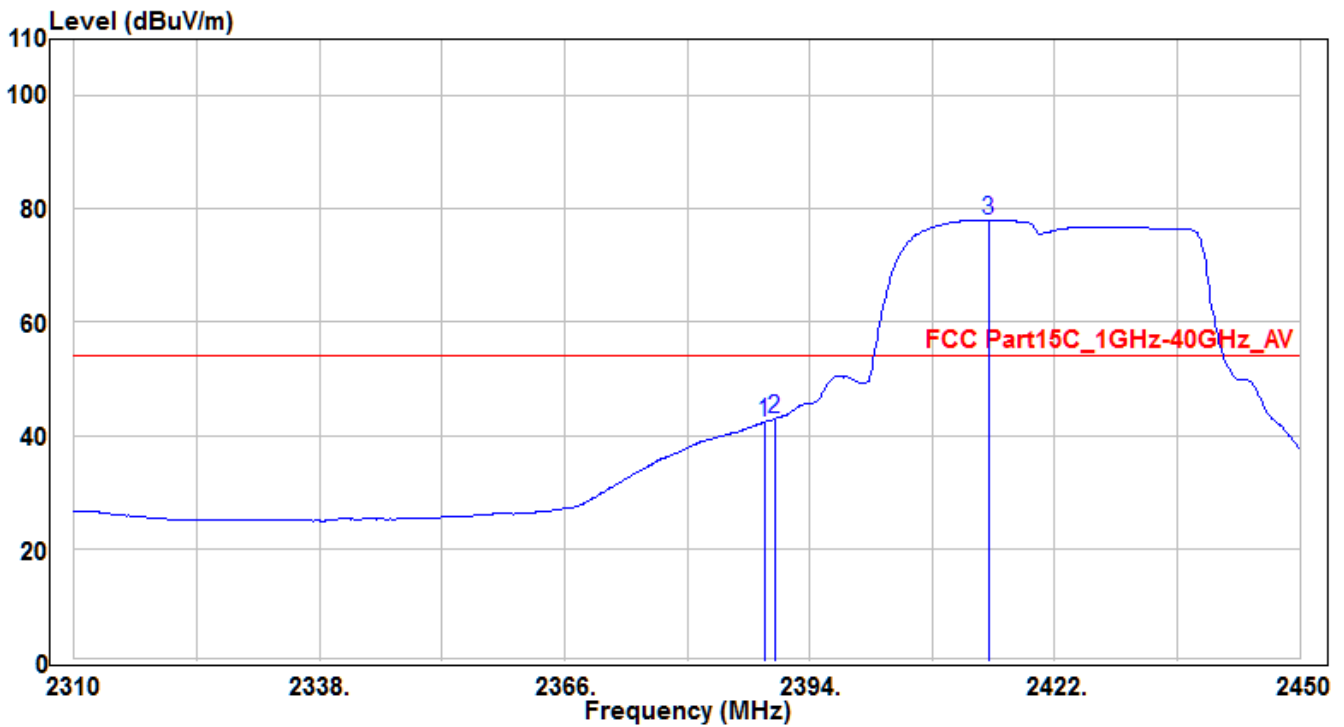


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 2388.82         | 62.12          | -2.59    | 59.53                | -14.47      | 74           | 150         | -25         | Peak              |
| 2  | 2390            | 57.82          | -2.59    | 55.23                | -18.77      | 74           | 150         | -25         | Peak              |
| 3  | * 2414.44       | 91.26          | -2.46    | 88.8                 | 14.8        | 74           | 150         | -25         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH03                     | Test Voltage     | AC 120V/60Hz |

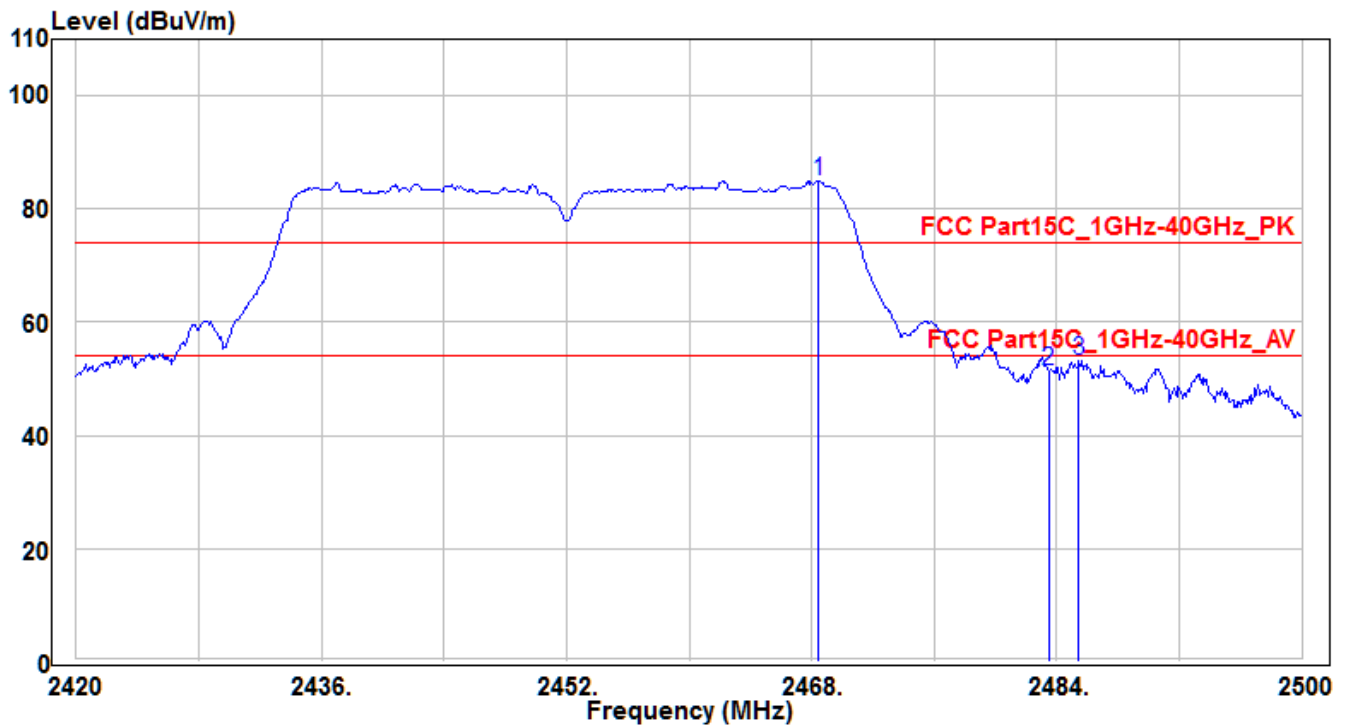


| No | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | 2388.82         | 44.94          | -2.59    | 42.35                | -11.65      | 54           | 150         | -25         | Average           |
| 2  | 2390            | 45.51          | -2.59    | 42.92                | -11.08      | 54           | 150         | -25         | Average           |
| 3  | * 2414.44       | 80.48          | -2.46    | 78.02                | 24.02       | 54           | 150         | -25         | Average           |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Horizontal                     | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH09                     | Test Voltage     | AC 120V/60Hz |

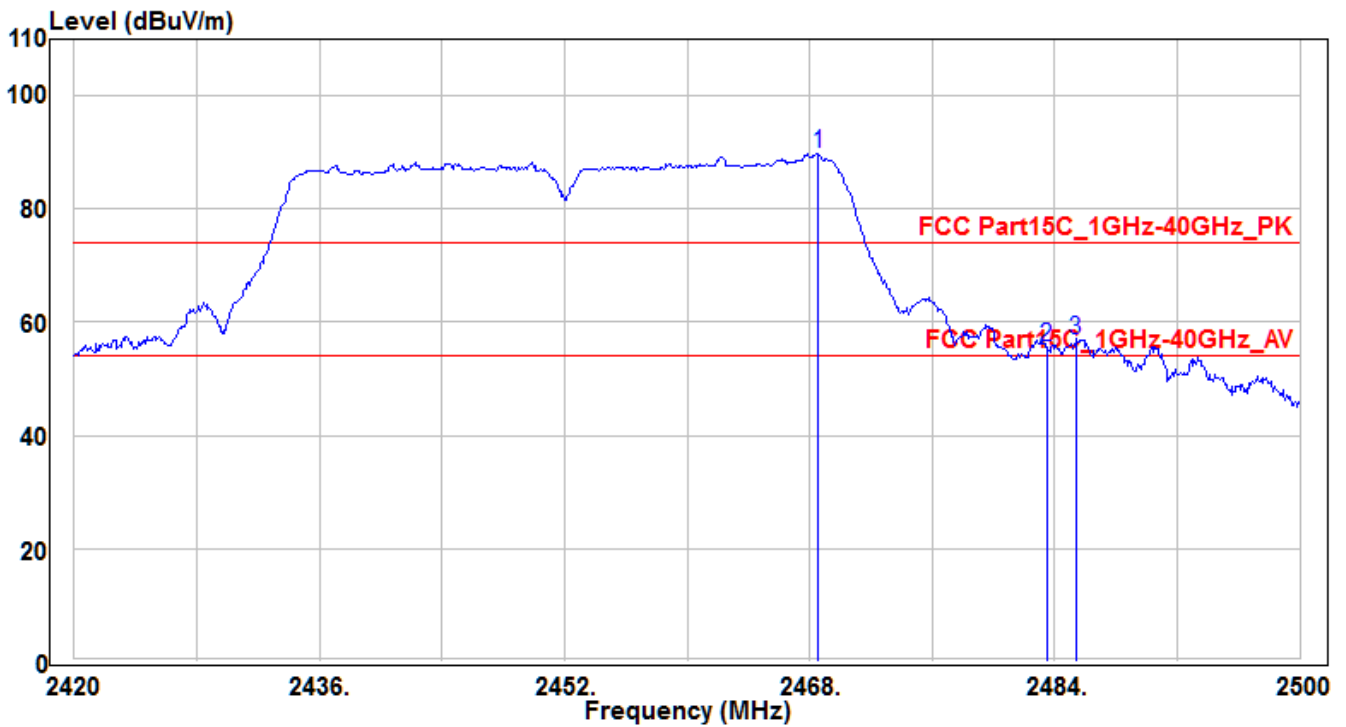


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | * | 2468.48         | 87.18          | -2.19    | 84.99                | 10.99       | 74           | 150         | 265         | Peak              |
| 2  |   | 2483.5          | 53.35          | -2.11    | 51.24                | -22.76      | 74           | 150         | 265         | Peak              |
| 3  |   | 2485.44         | 55.23          | -2.1     | 53.13                | -20.87      | 74           | 150         | 265         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH09                     | Test Voltage     | AC 120V/60Hz |

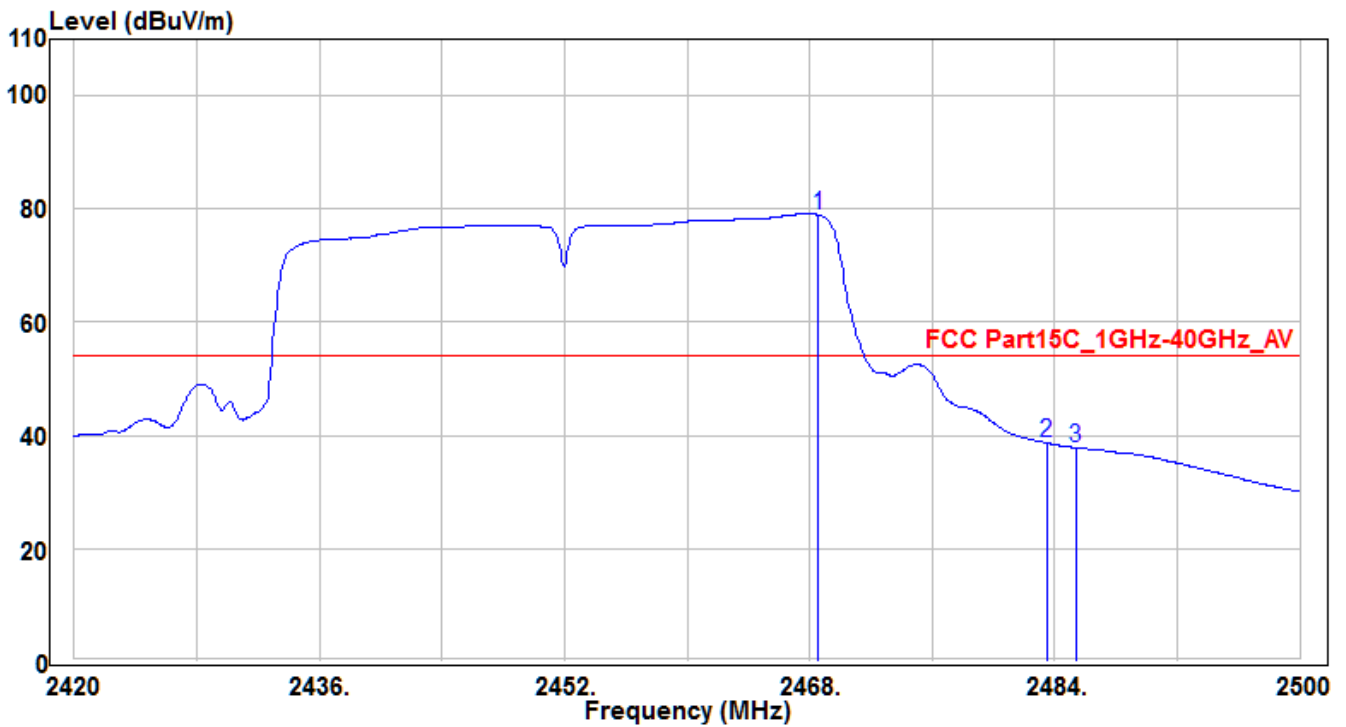


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | * | 2468.56         | 91.91          | -2.19    | 89.72                | 15.72       | 74           | 150         | -20         | Peak              |
| 2  |   | 2483.5          | 57.6           | -2.11    | 55.49                | -18.51      | 74           | 150         | -20         | Peak              |
| 3  |   | 2485.36         | 59             | -2.1     | 56.9                 | -17.1       | 74           | 150         | -20         | Peak              |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

|           |                                |                  |              |
|-----------|--------------------------------|------------------|--------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30   |
| Factor    | BBHA 9120D (1GHz~18GHz)        | Temp. / Humidity | 25°C / 61%   |
| Polarity  | Vertical                       | Site / Engineer  | AC1 / Peter  |
| Test Mode | MODE4-CH09                     | Test Voltage     | AC 120V/60Hz |



| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV/m) | Margin (dB) | Limit (dBuV) | Height (cm) | Angle (deg) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|----------------------|-------------|--------------|-------------|-------------|-------------------|
| 1  | * | 2468.56         | 81.16          | -2.19    | 78.97                | 24.97       | 54           | 150         | -20         | Average           |
| 2  |   | 2483.5          | 40.75          | -2.11    | 38.64                | -15.36      | 54           | 150         | -20         | Average           |
| 3  |   | 2485.36         | 39.95          | -2.1     | 37.85                | -16.15      | 54           | 150         | -20         | Average           |

Note :

- "\*" means the worst value in this measurement data °
- C.F ( Correction Factor ) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) °
- Measurement (dBuV/m) = Reading(dBuV) + C.F ( Correction Factor ) °

## 7.5. AC Conducted Emissions Measurement

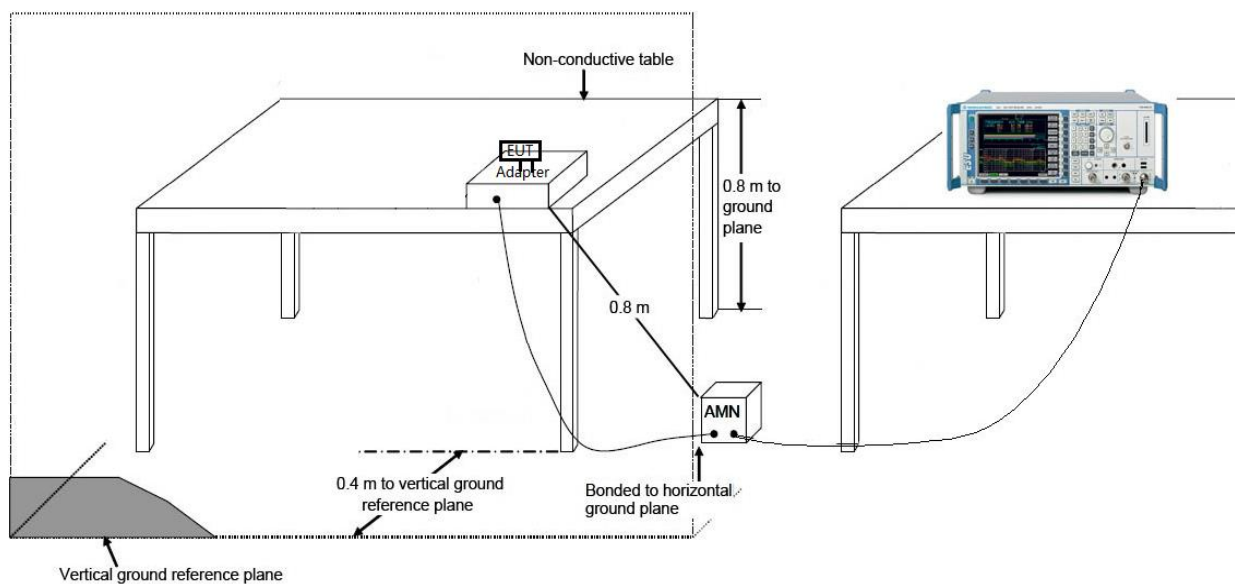
### 7.5.1 Test Limit

| FCC Part 15 Subpart C Paragraph 15.207 / RSS-Gen Limits |                 |                      |
|---------------------------------------------------------|-----------------|----------------------|
| Frequency (MHz)                                         | QP (dB $\mu$ V) | Average (dB $\mu$ V) |
| 0.15 - 0.50                                             | 66 - 56         | 56 - 46              |
| 0.50 - 5.0                                              | 56              | 46                   |
| 5.0 - 30                                                | 60              | 50                   |

Note 1: The lower limit shall apply at the transition frequencies.

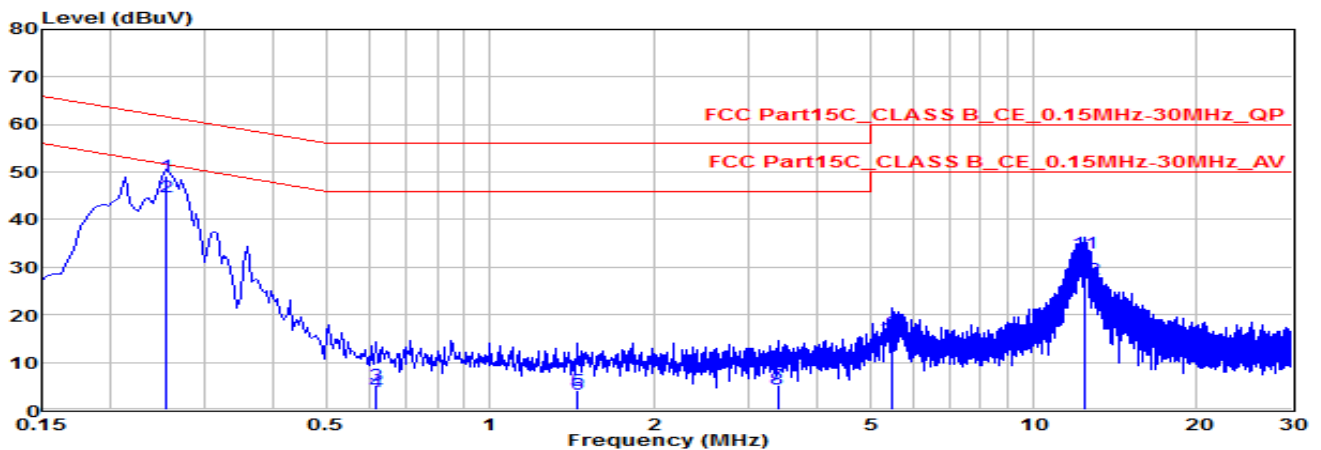
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

### 7.5.2 Test Setup



### 7.5.3 Test Result

|           |                                |                  |             |
|-----------|--------------------------------|------------------|-------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30  |
| Factor    | CE_ENV216-L1 (Filter ON)       | Temp. / Humidity | 24°C / 55%  |
| Polarity  | Line1                          | Site / Engineer  | SR2 / Peter |
| Test Mode | MODE3                          | Test Voltage     | AC120V/60Hz |

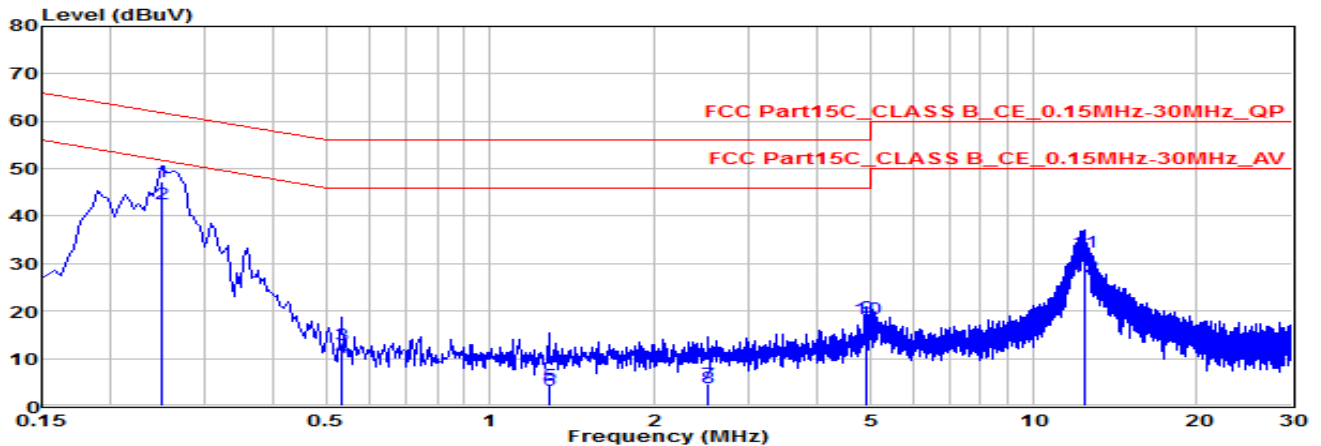


| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV) | Margin (dB) | Limit (dBuV) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|--------------------|-------------|--------------|-------------------|
| 1  | * | 0.25349         | 39.37          | 9.97     | 49.34              | -12.3       | 61.64        | QP                |
| 2  | * | 0.25349         | 34.83          | 9.97     | 44.8               | -6.84       | 51.64        | Average           |
| 3  |   | 0.61795         | -4.79          | 10.04    | 5.25               | -50.75      | 56           | QP                |
| 4  |   | 0.61795         | -6.24          | 10.04    | 3.8                | -42.2       | 46           | Average           |
| 5  |   | 1.45            | -5.74          | 9.88     | 4.14               | -51.86      | 56           | QP                |
| 6  |   | 1.45            | -6.71          | 9.88     | 3.17               | -42.83      | 46           | Average           |
| 7  |   | 3.385           | -4.58          | 9.81     | 5.23               | -50.77      | 56           | QP                |
| 8  |   | 3.385           | -5.37          | 9.81     | 4.44               | -41.56      | 46           | Average           |
| 9  |   | 5.504           | 6.44           | 9.76     | 16.2               | -43.8       | 60           | QP                |
| 10 |   | 5.504           | 5.22           | 9.76     | 14.98              | -35.02      | 50           | Average           |
| 11 |   | 12.411          | 23.19          | 9.9      | 33.09              | -26.91      | 60           | QP                |
| 12 |   | 12.411          | 17.69          | 9.9      | 27.59              | -22.41      | 50           | Average           |

Note :

- "\*" means the worst value in this measurement data .
- C.F ( Correction Factor ) = Factor (dB)+ Cable Loss (dB) .
- Measurement (dBuV) = Reading(dBuV)+ C.F ( Correction Factor ) .
- Other mode was also verified. The test results shown represent the worst case emissions .

|           |                                |                  |             |
|-----------|--------------------------------|------------------|-------------|
| EUT       | Liquid crystal display devices | Test Date        | 2017/06/30  |
| Factor    | CE_ENV216-N (Filter ON)        | Temp. / Humidity | 24°C / 55%  |
| Polarity  | Neutral                        | Site / Engineer  | SR2 / Peter |
| Test Mode | MODE3                          | Test Voltage     | AC120V/60Hz |



| No |   | Frequency (MHz) | Reading (dBuV) | C.F (dB) | Measurement (dBuV) | Margin (dB) | Limit (dBuV) | Remark (QP/PK/AV) |
|----|---|-----------------|----------------|----------|--------------------|-------------|--------------|-------------------|
| 1  | * | 0.24899         | 37.45          | 9.97     | 47.42              | -14.37      | 61.79        | QP                |
| 2  | * | 0.24899         | 32.72          | 9.97     | 42.69              | -9.1        | 51.79        | Average           |
| 3  |   | 0.53246         | 2.75           | 10.1     | 12.85              | -43.15      | 56           | QP                |
| 4  |   | 0.53246         | 0.05           | 10.1     | 10.15              | -35.85      | 46           | Average           |
| 5  |   | 1.284           | -5.55          | 9.88     | 4.33               | -51.67      | 56           | QP                |
| 6  |   | 1.284           | -6.68          | 9.88     | 3.2                | -42.8       | 46           | Average           |
| 7  |   | 2.521           | -5.12          | 9.85     | 4.73               | -51.27      | 56           | QP                |
| 8  |   | 2.521           | -5.95          | 9.85     | 3.9                | -42.1       | 46           | Average           |
| 9  |   | 4.951           | 8.92           | 9.77     | 18.69              | -37.31      | 56           | QP                |
| 10 |   | 4.951           | 8.75           | 9.77     | 18.52              | -27.48      | 46           | Average           |
| 11 |   | 12.393          | 22.63          | 9.92     | 32.55              | -27.45      | 60           | QP                |
| 12 |   | 12.393          | 17.42          | 9.92     | 27.34              | -22.66      | 50           | Average           |

Note :

- " \* " means the worst value in this measurement data .
- C.F ( Correction Factor ) = Factor (dB)+ Cable Loss (dB) .
- Measurement (dBuV) = Reading(dBuV)+ C.F ( Correction Factor ) .
- Other channel was also verified. The test results shown represent the worst case emissions .

## 8. CONCLUSION

The data collected relate only the item(s) tested and show that the Host Model Number : DS491LT6 ,  
Contains that is in compliance with Part 15C of the FCC Rules.

\_\_\_\_\_ The End \_\_\_\_\_