# APPLICATION CERTIFICATION
On Behalf of
Shenzhen MAXIN Technology Industry Co., Ltd.

Bluetooth Mouse
Model No.: M925BT, M928BT, M930BT, M909BT, M914GBT

FCC ID: 2ABX3-M925BT

| | | |
|---|---|---|
| Prepared for | : | Shenzhen MAXIN Technology Industry Co., Ltd. |
| Address | : | Block C3, East Xueziwei Industrial Zone, Yabian, Shajing, Baoan, Shenzhen, China |
| Prepared by | : | ACCURATE TECHNOLOGY CO., LTD |
| Address | : | F1, Bldg. A, Chan Yuan New Material Port, Keyuan Rd. Science & Industry Park, Nan Shan, Shenzhen, Guangdong P.R. China<br><br>Tel: (0755) 26503290<br>Fax: (0755) 26503396 |

| | | |
|---|---|---|
| Report Number | : | ATE20140346 |
| Date of Test | : | Mar 20, 2014-Mar 31, 2014 |
| Date of Report | : | Mar 31, 2014 |

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# Test Report Certification

| | | |
|---|---|---|
| Applicant& address | : | Shenzhen MAXIN Technology Industry Co., Ltd.<br>Block C3, East Xueziwei Industrial Zone, Yabian, Shajing, Baoan, Shenzhen, China |
| Manufacturer& address | : | Shenzhen MAXIN Technology Industry Co., Ltd.<br>Block C3, East Xueziwei Industrial Zone, Yabian, Shajing, Baoan, Shenzhen, China |
| Product | : | Bluetooth Mouse |
| Trade name | : | MAXIN |
| Model No. | : | M925BT, M928BT, M930BT, M909BT,M914GBT |
| | | (Note: These samples are same except for the model number is different for the marketing requirement. So we prepare the M925BT for test.) |

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247
ANSI C63.4- 2009

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test : Mar 20, 2014-Mar 31, 2014

Prepared by : Tim Zhang
(Tim.zhang, Engineer)

Approved & Authorized Signer : Sean Liu
( Sean Liu, Manager)

# 1. GENERAL INFORMATION

## 1.1.Description of Device (EUT)

| | | |
|---|---|---|
| EUT | : | Bluetooth Mouse |
| Model Number | : | M925BT, M928BT, M930BT, M909BT, M914GBT |
| Frequency Band | : | 2402MHz-2480MHz |
| Number of Channels | : | 79 |
| Modulation type | : | GFSK, Π/4-DQPSK, 8DPSK |
| Max Antenna Gain | : | 2.78dBi |
| Bluetooth version | : | Bluetooth V3.0+EDR |
| Antenna type | : | PCB Antenna |
| Power Supply | : | DC3.0V(battery) |
| Applicant | : | Shenzhen MAXIN Technology Industry Co., Ltd. |
| Address | : | Block C3, East Xueziwei Industrial Zone, Yabian, Shajing, Baoan, Shenzhen, China |
| Manufacturer | : | Shenzhen MAXIN Technology Industry Co., Ltd. |
| Address | : | Block C3, East Xueziwei Industrial Zone, Yabian, Shajing, Baoan, Shenzhen, China |
| Date of sample received | : | Mar 20, 2014 |
| Date of Test | : | Mar 20, 2014-Mar 31, 2014 |

## 1.2.Description of Test Facility

| | | |
|---|---|---|
| EMC Lab | : | Accredited by TUV Rheinland Shenzhen<br><br>Listed by FCC<br>The Registration Number is 752051<br><br>Listed by Industry Canada<br>The Registration Number is 5077A-2<br><br>Accredited by China National Accreditation Committee for Laboratories<br>The Certificate Registration Number is L3193 |
| Name of Firm | : | ACCURATE TECHNOLOGY CO. LTD |
| Site Location | : | F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China |

## 1.3.Measurement Uncertainty

| | | |
|---|---|---|
| Conducted Emission Expanded Uncertainty | = | 2.23dB, k=2 |
| Radiated emission expanded uncertainty (9kHz-30MHz) | = | 3.08dB, k=2 |
| Radiated emission expanded uncertainty (30MHz-1000MHz) | = | 4.42dB, k=2 |
| Radiated emission expanded uncertainty (Above 1GHz) | = | 4.06dB, k=2 |

# 2. MEASURING DEVICE AND TEST EQUIPMENT

**Table 1: List of Test and Measurement Equipment**

| Kind of equipment | Manufacturer | Type | S/N | Calibrated dates | Calibrated until |
|---|---|---|---|---|---|
| EMI Test Receiver | Rohde&Schwarz | ESCS30 | 100307 | Jan. 11, 2014 | Jan. 10, 2015 |
| EMI Test Receiver | Rohde&Schwarz | ESPI3 | 101526/003 | Jan. 11, 2014 | Jan. 10, 2015 |
| Spectrum Analyzer | Agilent | E7405A | MY45115511 | Jan. 11, 2014 | Jan. 10, 2015 |
| Pre-Amplifier | Rohde&Schwarz | CBLU1183540-01 | 3791 | Jan. 11, 2014 | Jan. 10, 2015 |
| Loop Antenna | Schwarzbeck | FMZB1516 | 1516131 | Jan. 15, 2014 | Jan. 14, 2015 |
| Bilog Antenna | Schwarzbeck | VULB9163 | 9163-323 | Jan. 15, 2014 | Jan. 14, 2015 |
| Horn Antenna | Schwarzbeck | BBHA9120D | 9120D-655 | Jan. 15, 2014 | Jan. 14, 2015 |
| Horn Antenna | Schwarzbeck | BBHA9120D | 9120D-1067 | Jan. 15, 2014 | Jan. 14, 2015 |
| LISN | Rohde&Schwarz | ESH3-Z5 | 100305 | Jan. 11, 2014 | Jan. 10, 2015 |
| LISN | Schwarzbeck | NSLK8126 | 8126431 | Jan. 11, 2014 | Jan. 10, 2015 |
| Highpass Filter | Wainwright Instruments | WHKX3.6/18G-10SS | N/A | Jan. 11, 2014 | Jan. 10, 2015 |
| Band Reject Filter | Wainwright Instruments | WRCG2400/2485-2375/2510-60/11SS | N/A | Jan. 11, 2014 | Jan. 10, 2015 |

# 3. OPERATION OF EUT DURING TESTING

## 3.1.Operating Mode

The mode is used: Transmitting mode
Low Channel: 2402MHz
Middle Channel: 2441MHz
High Channel: 2480MHz
Hopping

## 3.2.Configuration and peripherals

EUT

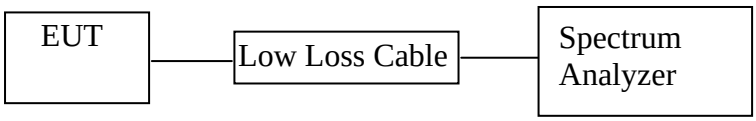
(EUT: Bluetooth Mouse)

# 4. TEST PROCEDURES AND RESULTS

| FCC Rules | Description of Test | Result |
|---|---|---|
| Section 15.207 | Power Line Conducted Emission | N/A |
| Section 15.247(a)(1) | 20dB Bandwidth Test | Compliant |
| Section 15.247(a)(1) | Carrier Frequency Separation Test | Compliant |
| Section 15.247(a)(1)(iii) | Number Of Hopping Frequency Test | Compliant |
| Section 15.247(a)(1)(iii) | Dwell Time Test | Compliant |
| Section 15.247(b)(1) | Maximum Peak Output Power Test | Compliant |
| Section 15.247(d)<br>Section 15.209 | Radiated Emission Test | Compliant |
| Section 15.247(d) | Band Edge Compliance Test | Compliant |
| Section 15.203 | Antenna Requirement | Compliant |

# 5. 20DB BANDWIDTH TEST

## 5.1.Block Diagram of Test Setup




(EUT: Bluetooth Mouse)

## 5.2.The Requirement For Section 15.247(a)(1)

Section 15.247(a)(1): Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

## 5.3.EUT Configuration on Measurement

The equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

## 5.4.Operating Condition of EUT

5.4.1.Setup the EUT and simulator as shown as Section 5.1.

5.4.2.Turn on the power of all equipment.

5.4.3.Let the EUT work in TX (Hopping off) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, and 2480MHz TX frequency to transmit.

## 5.5.Test Procedure

5.5.1.The transmitter output was connected to the spectrum analyzer through a low loss cable.

5.5.2.Set RBW of spectrum analyzer to 30 kHz and VBW to 100 kHz.

5.5.3.The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

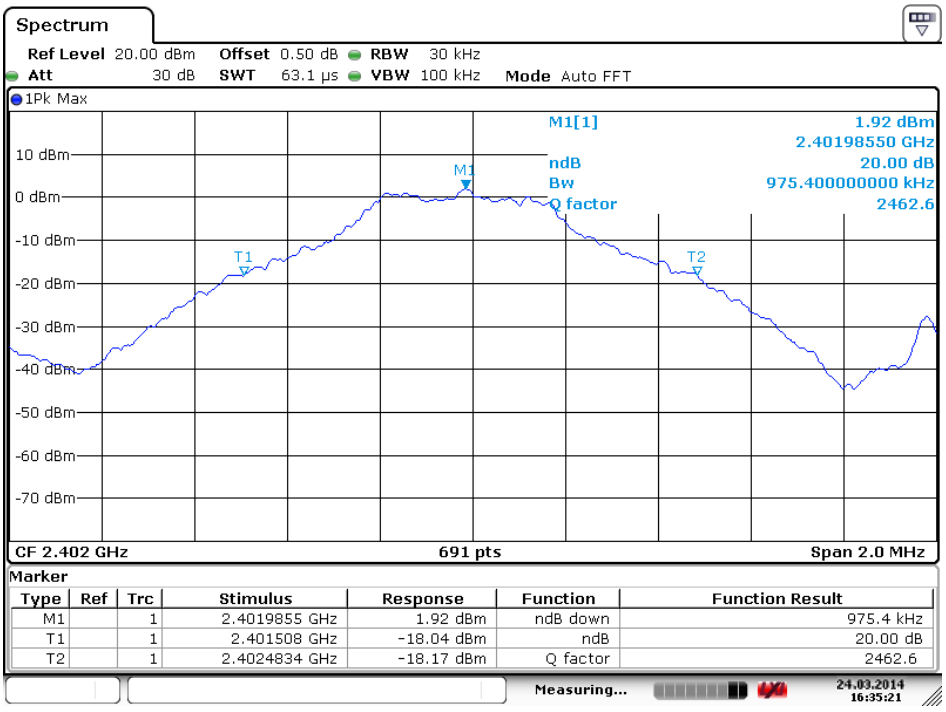
## 5.6.Test Result

| Channel | Frequency (MHz) | GFSK 20dB Bandwidth (MHz) | Π/4-DQPSK 20dB Bandwidth (MHz) | 8DPSK 20dB Bandwidth (MHz) | Result |
|---|---|---|---|---|---|
| Low | 2402 | 0.975 | 1.285 | 1.256 | Pass |
| Middle | 2441 | 0.897 | 1.274 | 1.268 | Pass |
| High | 2480 | 0.929 | 1.274 | 1.256 | Pass |

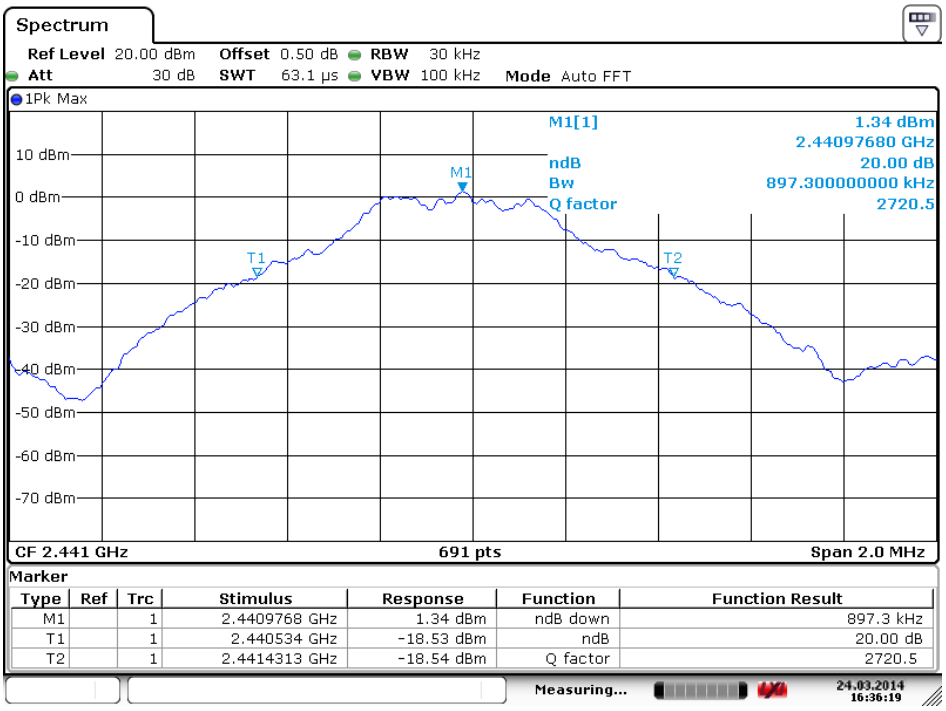
The spectrum analyzer plots are attached as below.

Mode 1: GFSK Link Mode

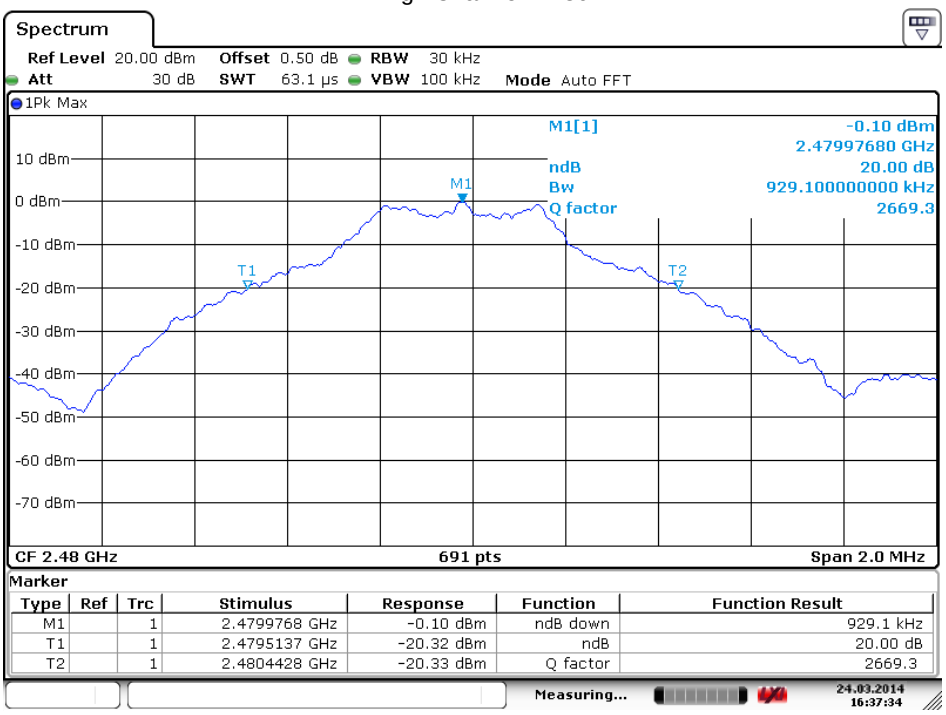
Low Channel: 2402MHz



Middle Channel: 2441MHz

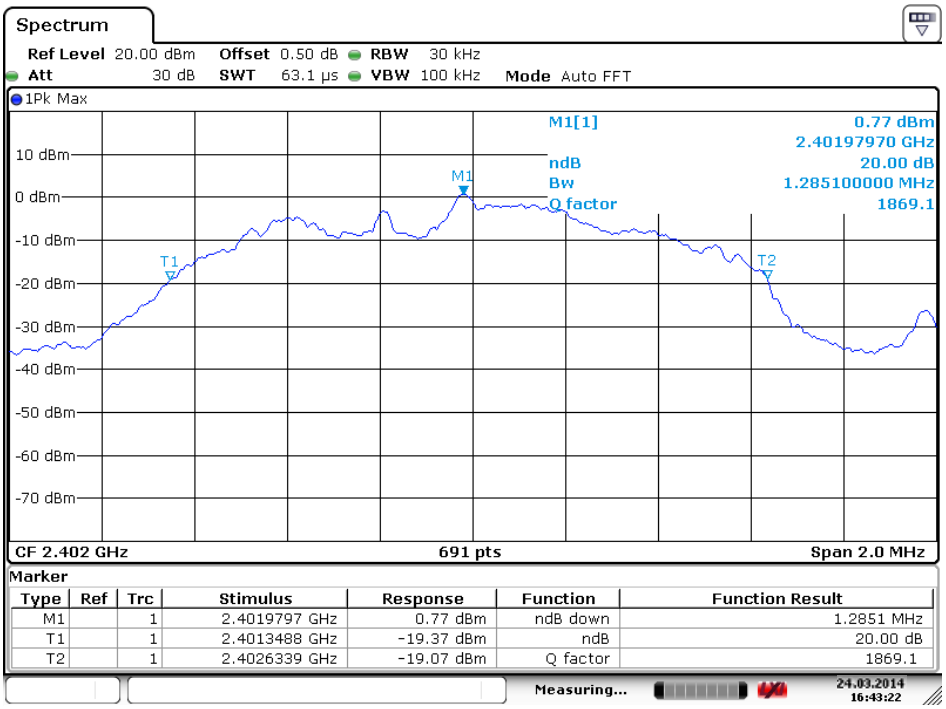



High Channel: 2480MHz

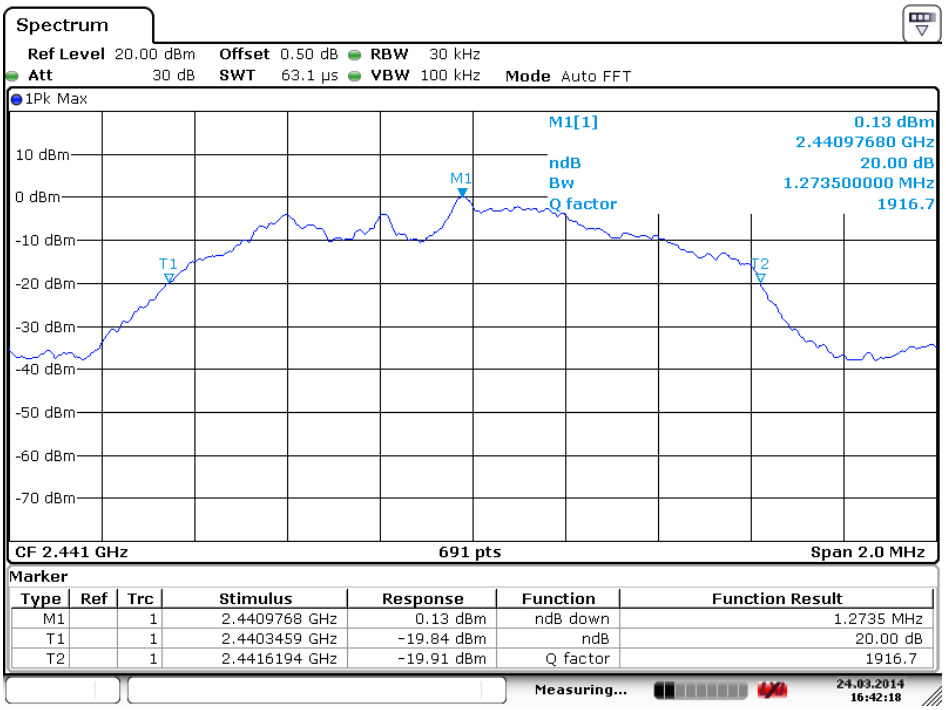


Mode 2: $\pi$/4 DQPSK Link Mode

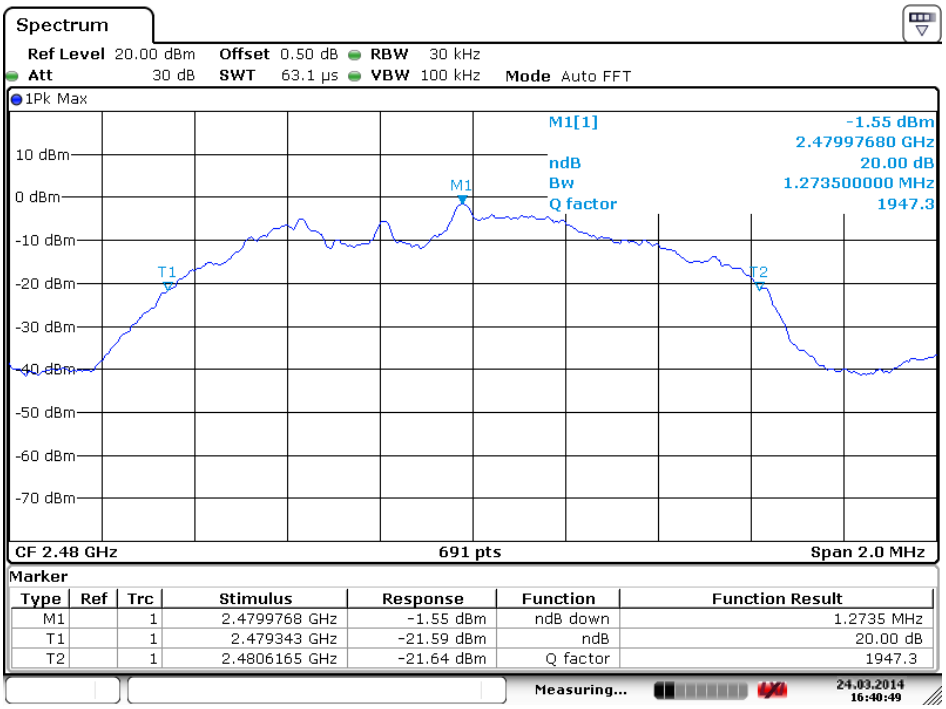
Low Channel: 2402MHz




Middle Channel: 2441MHz

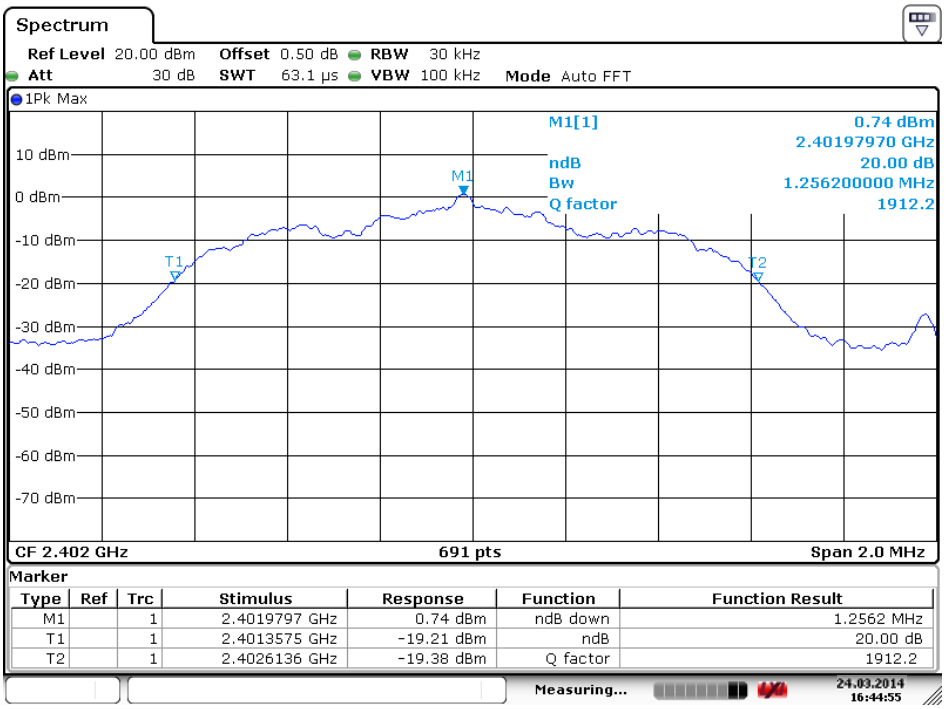


High Channel: 2480MHz

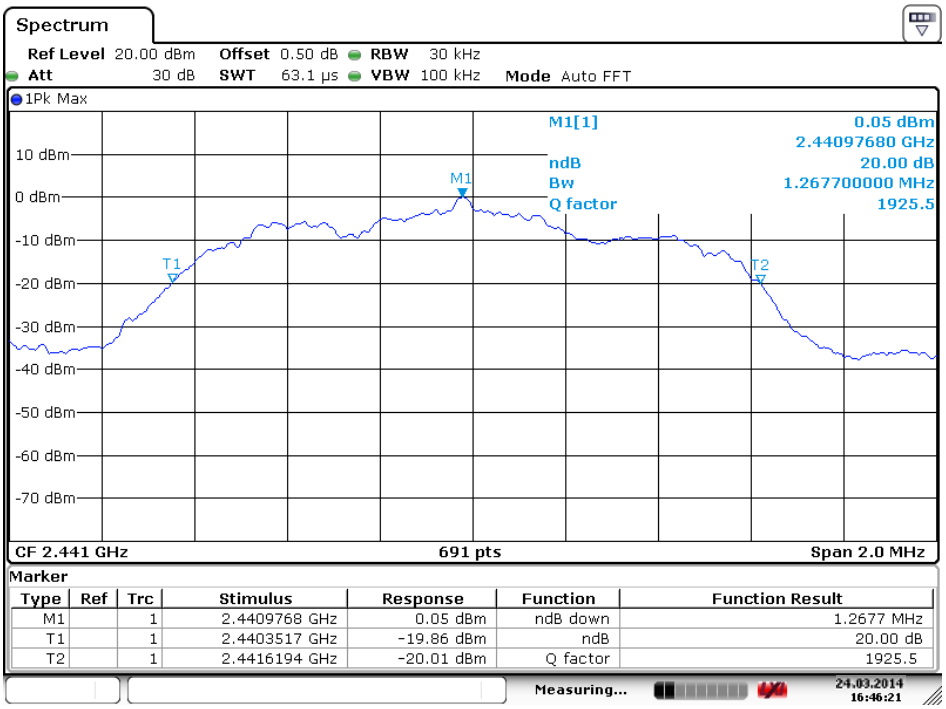



Mode 3: 8DPSK Link Mode

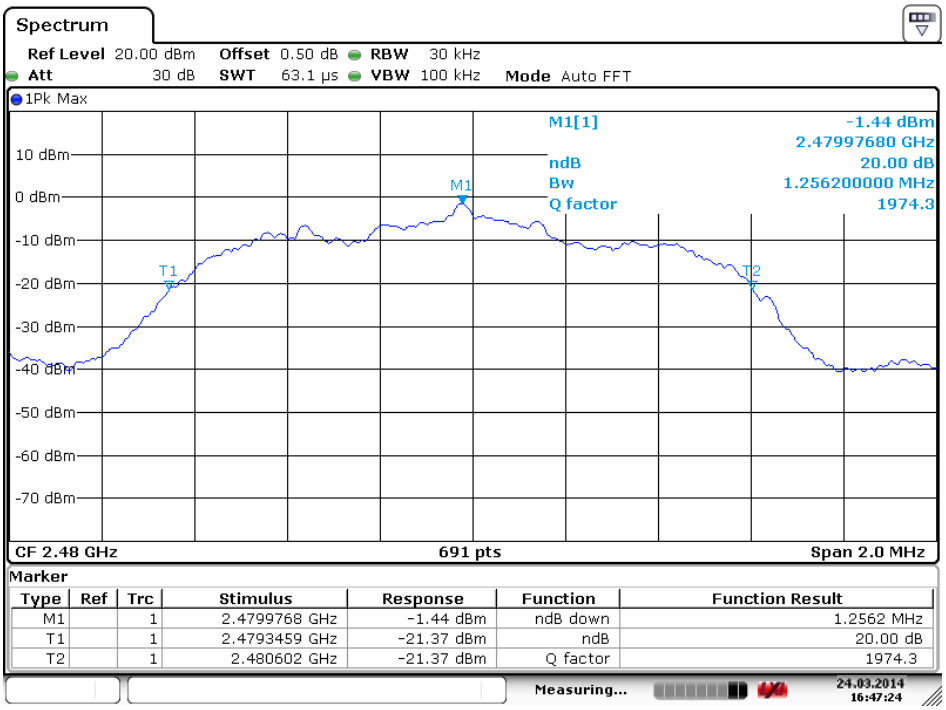
Low Channel: 2402MHz



Middle Channel: 2441MHz

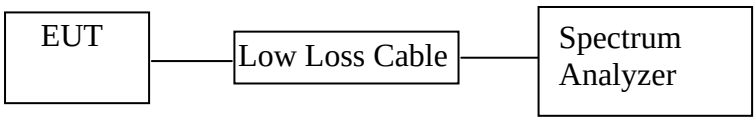



High Channel: 2480MHz



# 6. CARRIER FREQUENCY SEPARATION TEST

## 6.1.Block Diagram of Test Setup




(EUT: Bluetooth Mouse)

## 6.2.The Requirement For Section 15.247(a)(1)

Section 15.247(a)(1): Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudorandomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

## 6.3.EUT Configuration on Measurement

The equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

## 6.4.Operating Condition of EUT

6.4.1.Setup the EUT and simulator as shown as Section 6.1.

6.4.2.Turn on the power of all equipment.

6.4.3.Let the EUT work in TX (Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, and 2480MHz TX frequency to transmit.

## 6.5.Test Procedure

6.5.1.The transmitter output was connected to the spectrum analyzer through a low loss cable.

6.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz. Adjust Span to 3 MHz.

6.5.3.Set the adjacent channel of the EUT maxhold another trace.

6.5.4.Measurement the channel separation

## 6.6.Test Result

GFSK

| Channel | Frequency (MHz) | Channel Separation(MHz) | Limit (MHz) | Result |
|---|---|---|---|---|
| Low | 2402 | 1.0058 | 25KHz or 20dB bandwidth | PASS |
| | 2403 | | | |
| Middle | 2440 | 1.0029 | 25KHz or20dB bandwidth | PASS |
| | 2441 | | | |
| High | 2479 | 1.0029 | 25KHz or 20dB bandwidth | PASS |
| | 2480 | | | |

Π/4-DQPSK

| Channel | Frequency (MHz) | Channel Separation(MHz) | Limit (MHz) | Result |
|---|---|---|---|---|
| Low | 2402 | 1.0029 | 25KHz or 2/3*20dB bandwidth | PASS |
| | 2403 | | | |
| Middle | 2440 | 1.0029 | 25KHz or 2/3*20dB bandwidth | PASS |
| | 2441 | | | |
| High | 2479 | 1.0029 | 25KHz or 2/3*20dB bandwidth | PASS |
| | 2480 | | | |

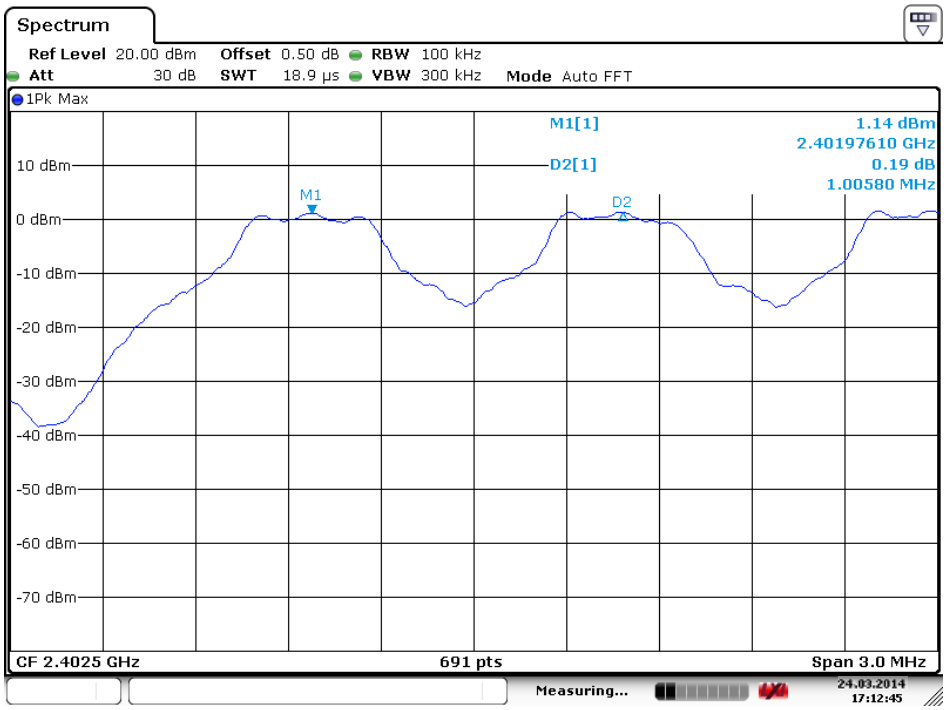
8DPSK

| Channel | Frequency (MHz) | Channel Separation(MHz) | Limit (MHz) | Result |
|---|---|---|---|---|
| Low | 2402 | 1.0029 | 25KHz or 2/3*20dB bandwidth | PASS |
| | 2403 | | | |
| Middle | 2440 | 1.0029 | 25KHz or 2/3*20dB bandwidth | PASS |
| | 2441 | | | |
| High | 2479 | 1.0029 | 25KHz or 2/3*20dB bandwidth | PASS |
| | 2480 | | | |

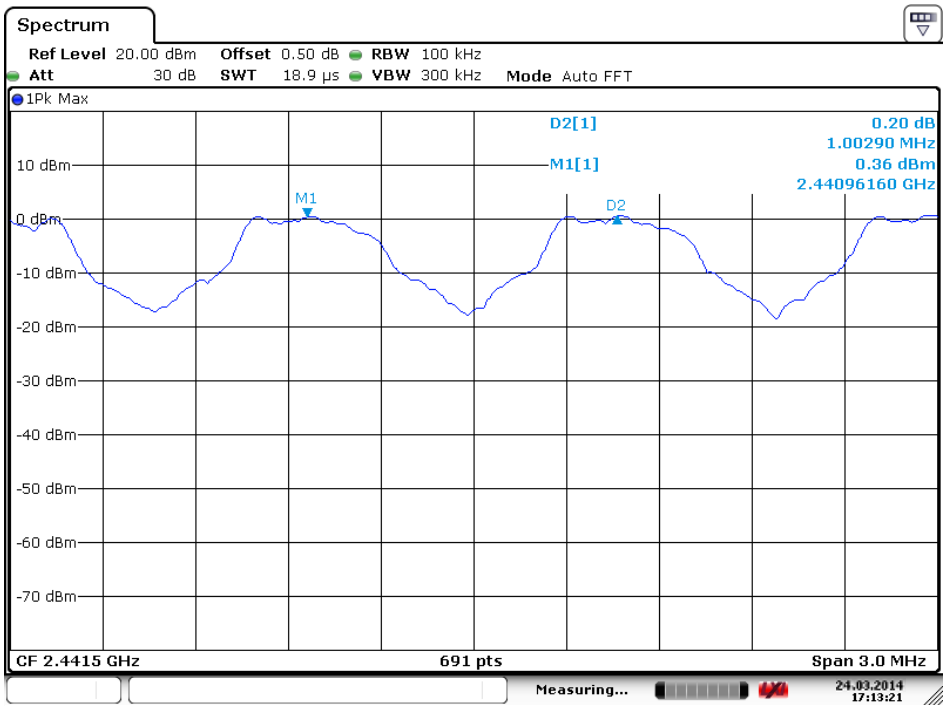
The spectrum analyzer plots are attached as below.

Mode 1: GFSK Link Mode

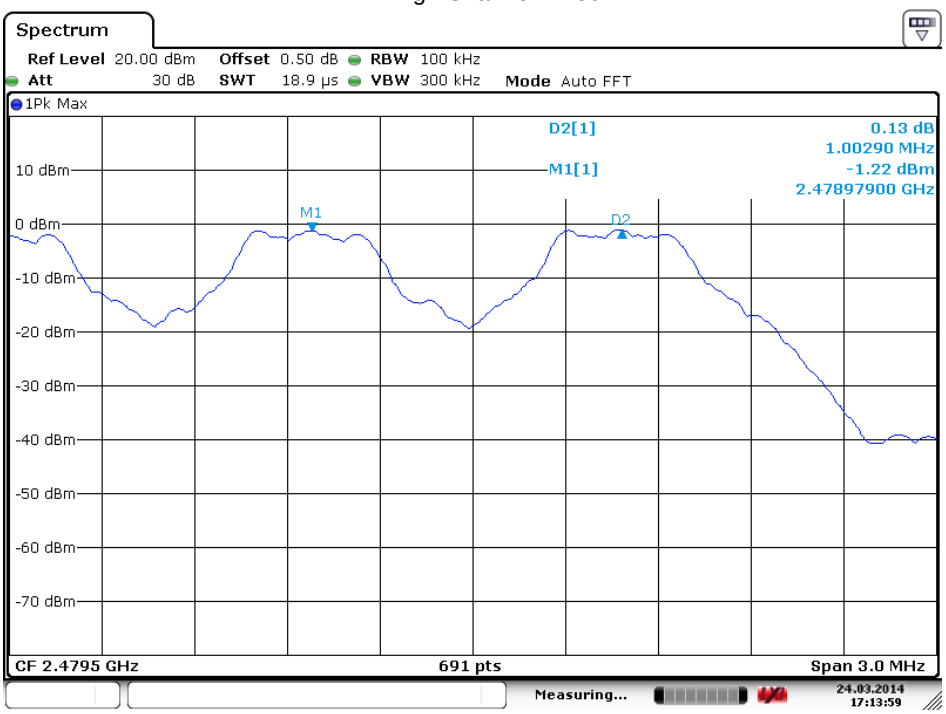
Low Channel: 2402MHz




Middle Channel: 2441MHz

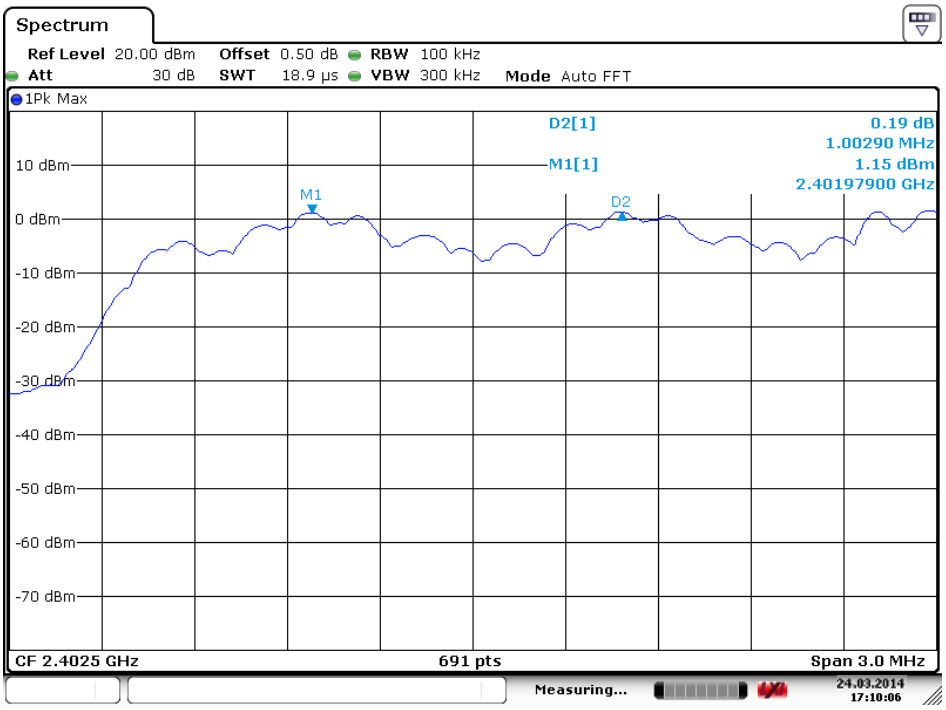


High Channel: 2480MHz

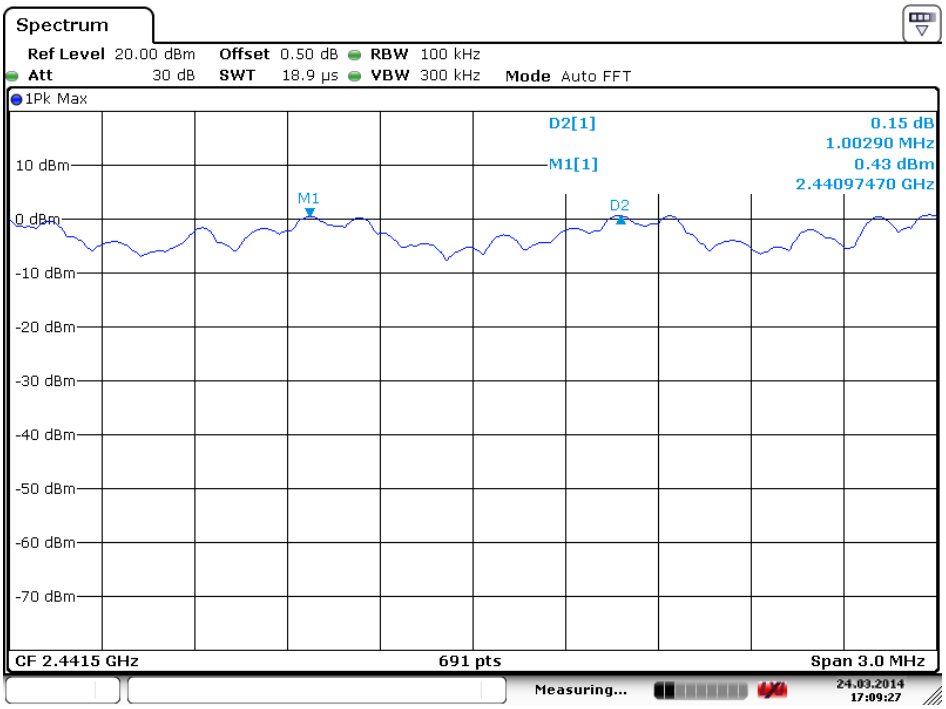



Mode 2: $\pi$/4 DQPSK Link Mode

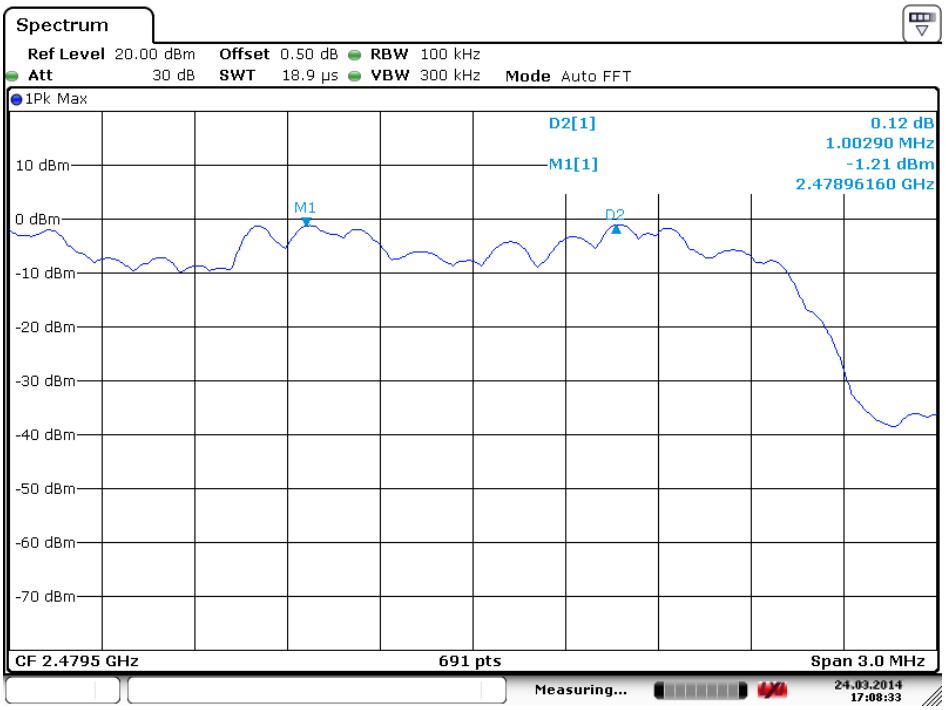
Low Channel: 2402MHz



Middle Channel: 2441MHz

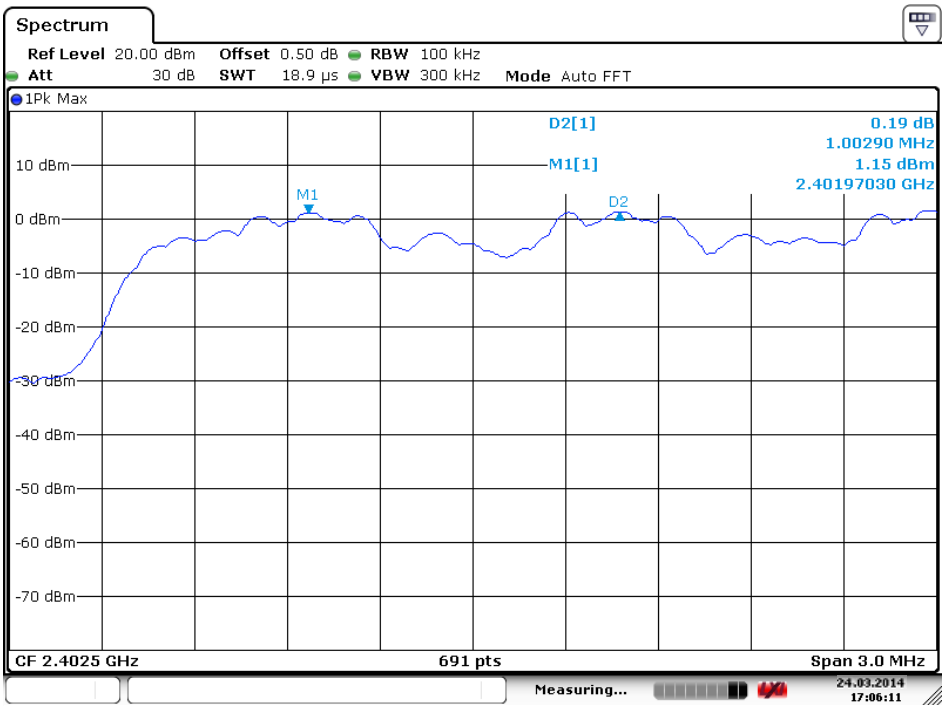



High Channel: 2480MHz

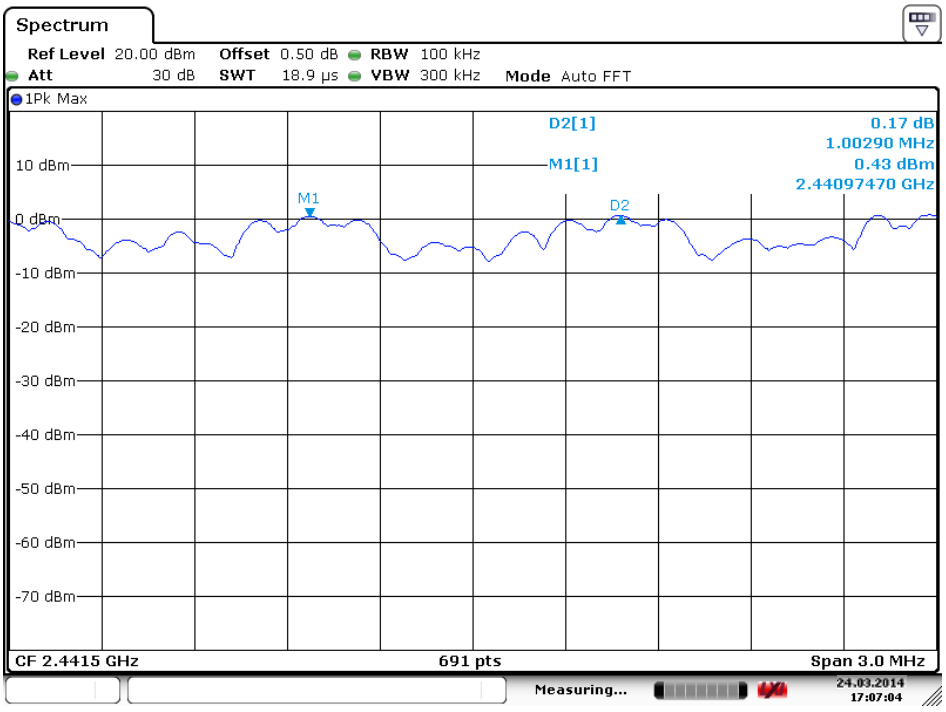


Mode 3: 8DPSK Link Mode

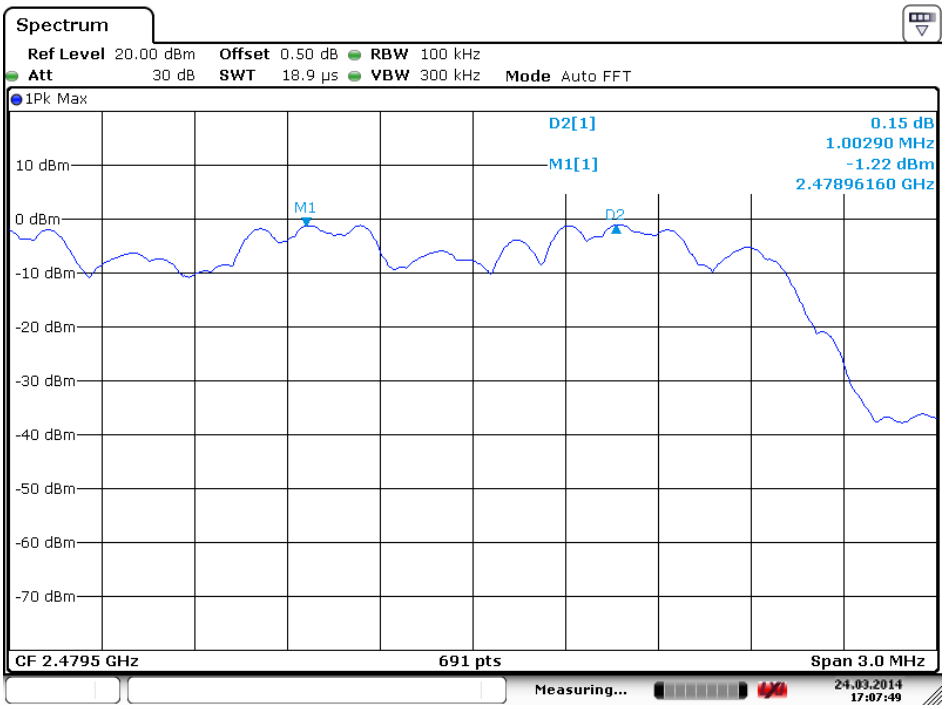
Low Channel: 2402MHz




Middle Channel: 2441MHz

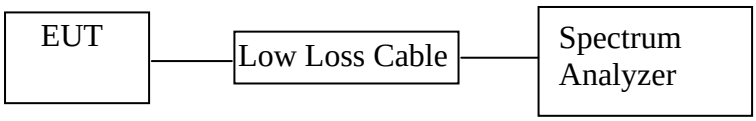


High Channel: 2480MHz



# 7. NUMBER OF HOPPING FREQUENCY TEST

## 7.1.Block Diagram of Test Setup




(EUT: Bluetooth Mouse)

## 7.2.The Requirement For Section 15.247(a)(1)(iii)

Section 15.247(a)(1)(iii): Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

## 7.3.EUT Configuration on Measurement

The equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

## 7.4.Operating Condition of EUT

7.4.1.Setup the EUT and simulator as shown as Section 7.1.

7.4.2.Turn on the power of all equipment.

7.4.3.Let the EUT work in TX (Hopping on) modes measure it.

## 7.5.Test Procedure

7.5.1.The transmitter output was connected to the spectrum analyzer through a low loss cable.

7.5.2.Set the spectrum analyzer as Span=83.5MHz, RBW=100 kHz, VBW=300 kHz.

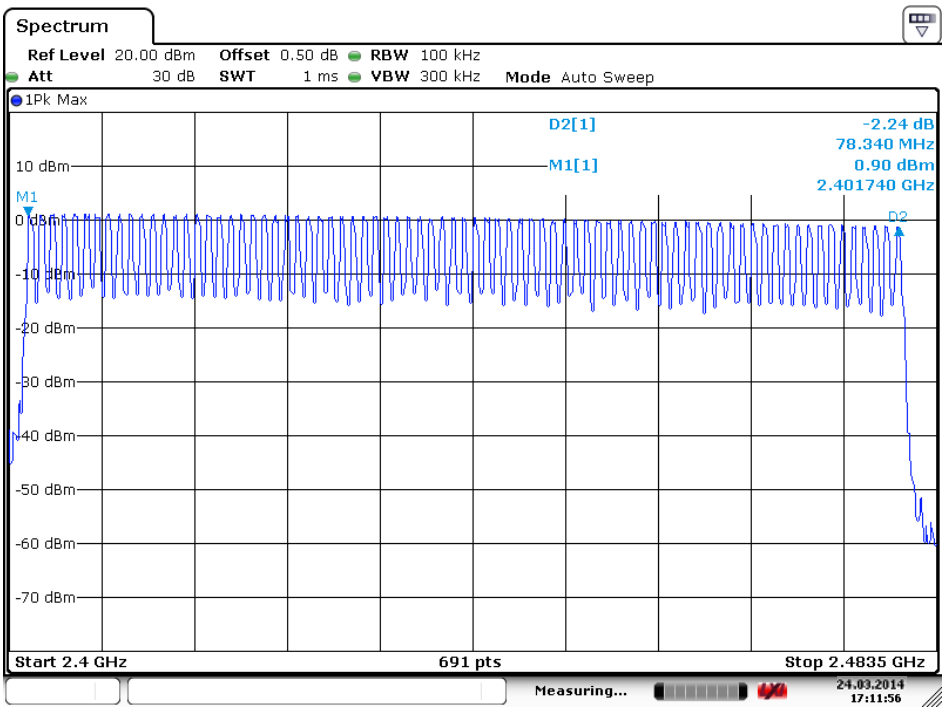
7.5.3.Max hold, view and count how many channel in the band.

## 7.6.Test Result

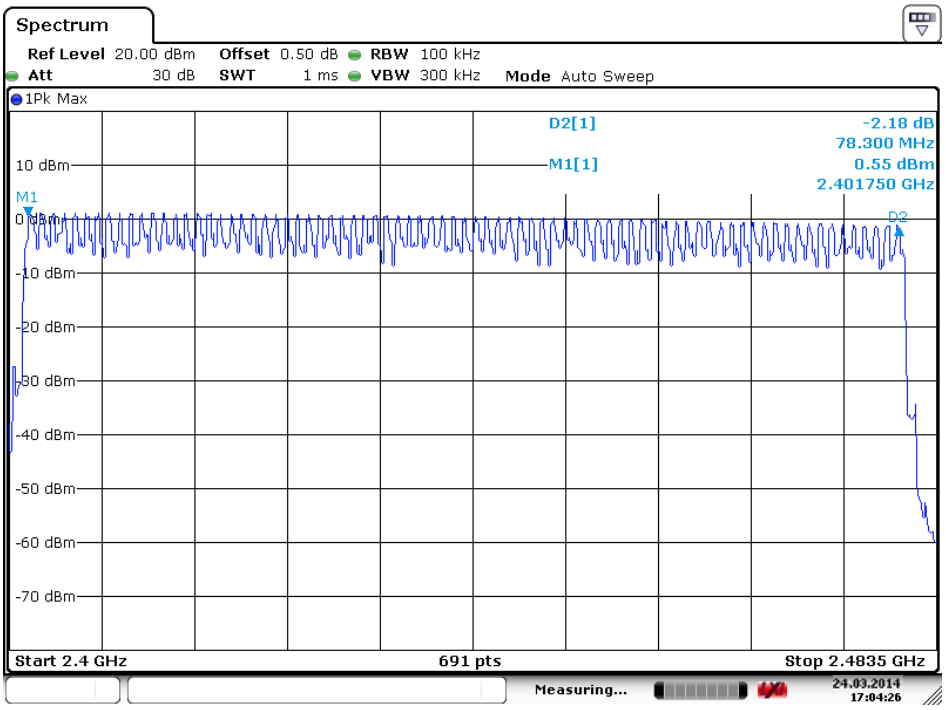
| Total number of hopping channel | Measurement result(CH) | Limit(CH) |
|---|---|---|
| | 79 | ⩾15 |

The spectrum analyzer plots are attached as below.

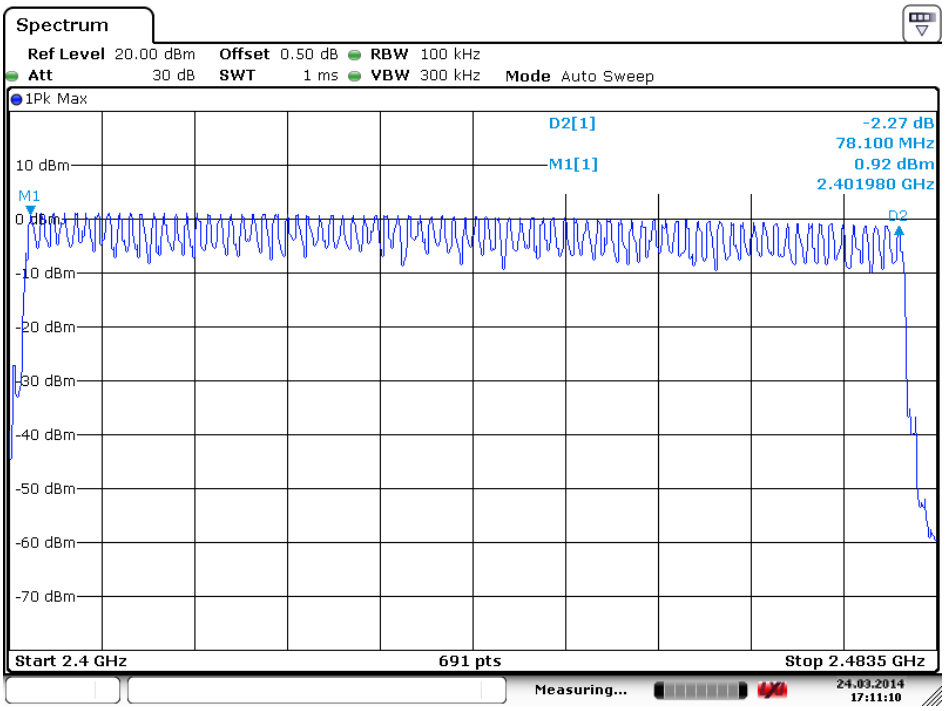
Number of hopping channels(GFSK)



Number of hopping channels(Π/4-DQPSK)

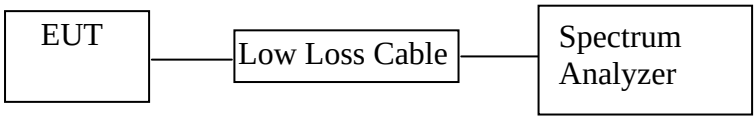



Number of hopping channels(8DPSK)



# 8. DWELL TIME TEST

## 8.1.Block Diagram of Test Setup




(EUT: Bluetooth Mouse)

## 8.2.The Requirement For Section 15.247(a)(1)(iii)

Section 15.247(a)(1)(iii): Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

## 8.3.EUT Configuration on Measurement

The equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

## 8.4.Operating Condition of EUT

8.4.1.Setup the EUT and simulator as shown as Section 8.1.

8.4.2.Turn on the power of all equipment.

8.4.3.Let the EUT work in TX (Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, and 2480MHz TX frequency to transmit.

## 8.5.Test Procedure

8.5.1.The transmitter output was connected to the spectrum analyzer through a low loss cable.

8.5.2.Set center frequency of spectrum analyzer = operating frequency.

8.5.3.Set the spectrum analyzer as RBW=1MHz, VBW=3MHz, Span=0Hz, Adjust Sweep=5ms, 10ms, 15ms. Get the pulse time.

8.5.4.Repeat above procedures until all frequency measured were complete.

## 8.6.Test Result

GFSK Mode

| Mode | Channel Frequency (MHz) | Pulse Time (ms) | Dwell Time (ms) | Limit (ms) |
|---|---|---|---|---|
| DH1 | 2402 | 0.5362 | 171.58 | 400 |
| | 2441 | 0.5290 | 169.28 | 400 |
| | 2480 | 0.5362 | 171.58 | 400 |
| A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(2*79))×31.6 | | | | |
| DH3 | 2402 | 1.8261 | 292.18 | 400 |
| | 2441 | 1.8116 | 289.86 | 400 |
| | 2480 | 1.8116 | 289.86 | 400 |
| A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(4*79))×31.6 | | | | |
| DH5 | 2402 | 3.0725 | 327.73 | 400 |
| | 2441 | 3.0725 | 327.73 | 400 |
| | 2480 | 3.0725 | 327.73 | 400 |
| A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(6*79))×31.6 | | | | |

Π/4-DQPSK

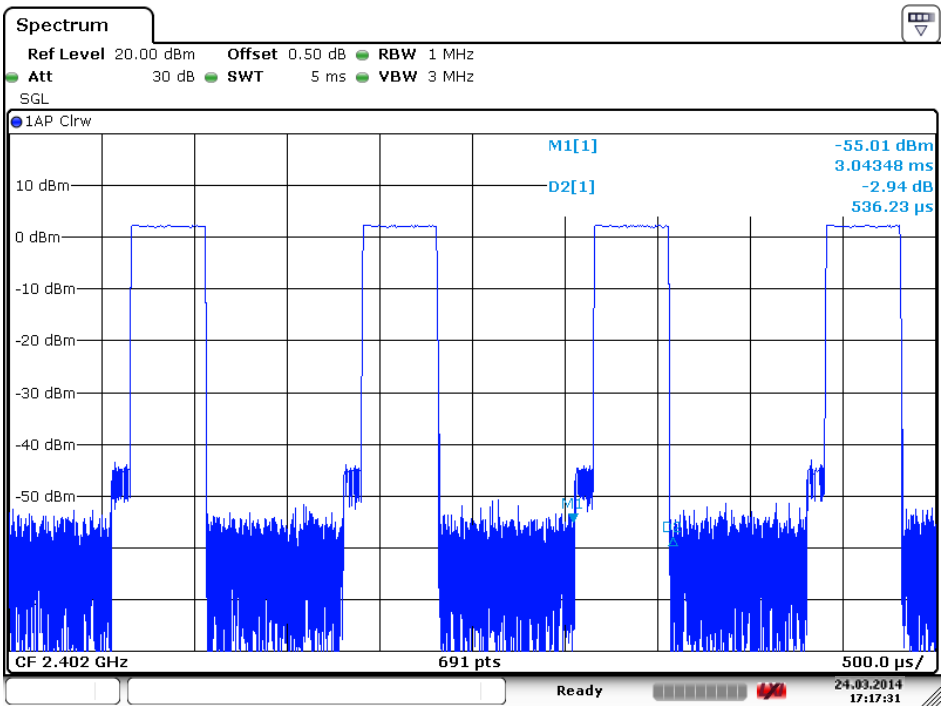
| Mode | Channel Frequency (MHz) | Pulse Time (ms) | Dwell Time (ms) | Limit (ms) |
|---|---|---|---|---|
| DH1 | 2402 | 0.5507 | 176.22 | 400 |
| | 2441 | 0.5507 | 176.22 | 400 |
| | 2480 | 0.5435 | 173.92 | 400 |
| A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(2*79))×31.6 | | | | |
| DH3 | 2402 | 1.8261 | 292.18 | 400 |
| | 2441 | 1.8261 | 292.18 | 400 |
| | 2480 | 1.8043 | 288.69 | 400 |
| A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(4*79))×31.6 | | | | |
| DH5 | 2402 | 3.0435 | 324.64 | 400 |
| | 2441 | 3.0652 | 326.95 | 400 |
| | 2480 | 2.9783 | 317.69 | 400 |
| A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(6*79))×31.6 | | | | |

8DPSK Mode

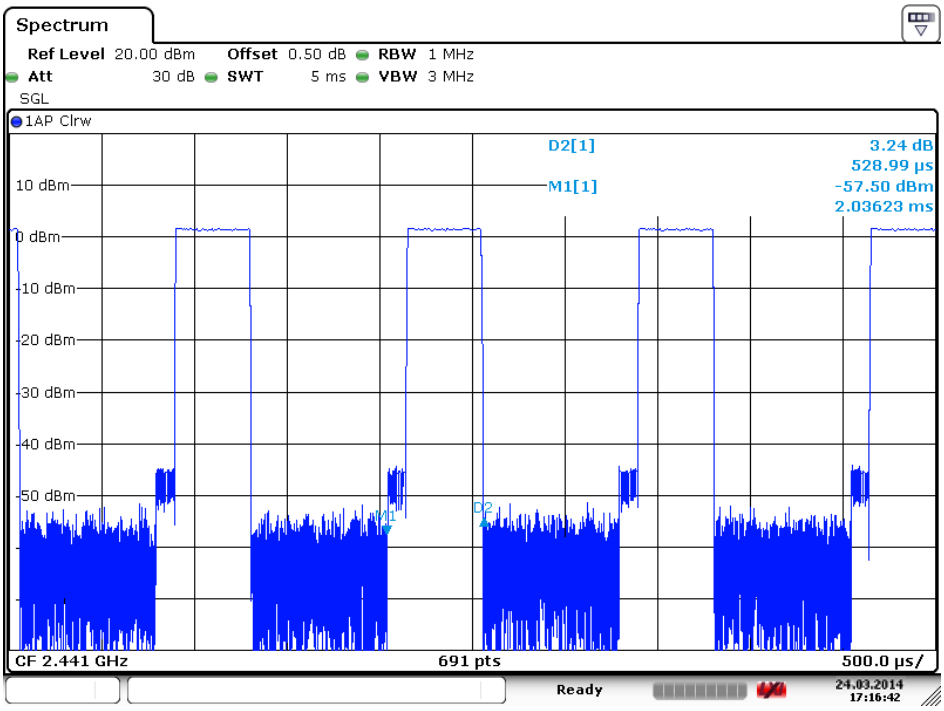
| Mode | Channel Frequency (MHz) | Pulse Time (ms) | Dwell Time (ms) | Limit (ms) |
|---|---|---|---|---|
| DH1 | 2402 | 0.5435 | 173.92 | 400 |
| | 2441 | 0.5435 | 173.92 | 400 |
| | 2480 | 0.5435 | 173.92 | 400 |
| A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(2*79))×31.6 | | | | |
| DH3 | 2402 | 1.8188 | 291.01 | 400 |
| | 2441 | 1.8188 | 291.01 | 400 |
| | 2480 | 1.8188 | 291.01 | 400 |
| A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(4*79))×31.6 | | | | |
| DH5 | 2402 | 3.0797 | 328.50 | 400 |
| | 2441 | 3.0580 | 326.19 | 400 |
| | 2480 | 3.0797 | 328.50 | 400 |
| A period transmit time = 0.4 × 79 = 31.6 Dwell time = pulse time × (1600/(6*79))×31.6 | | | | |

The spectrum analyzer plots are attached as below.

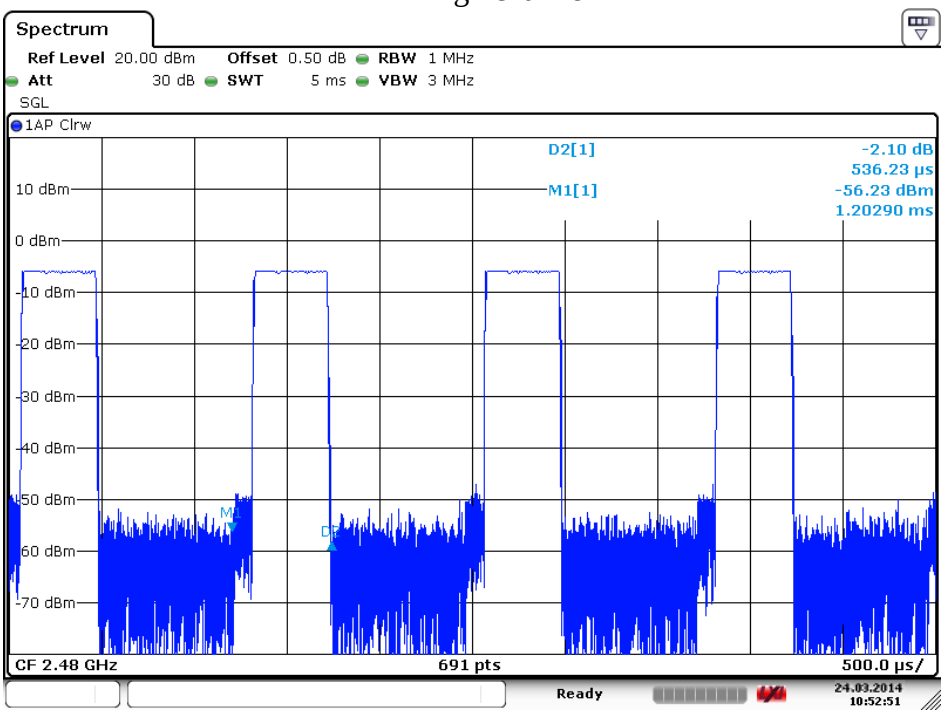
DH1 Low channel



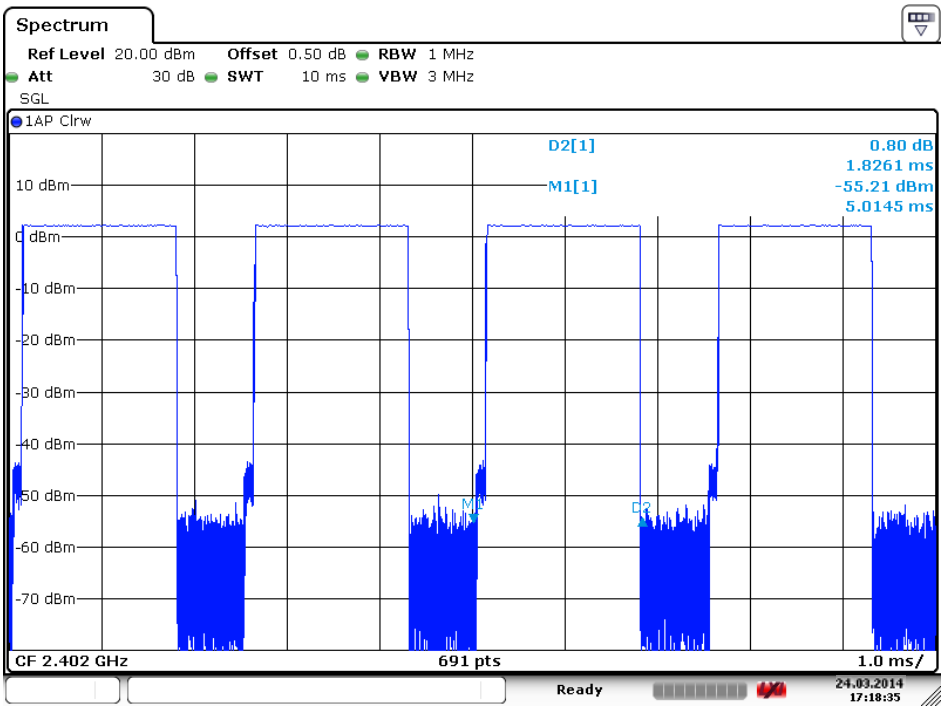
DH1 Middle channel



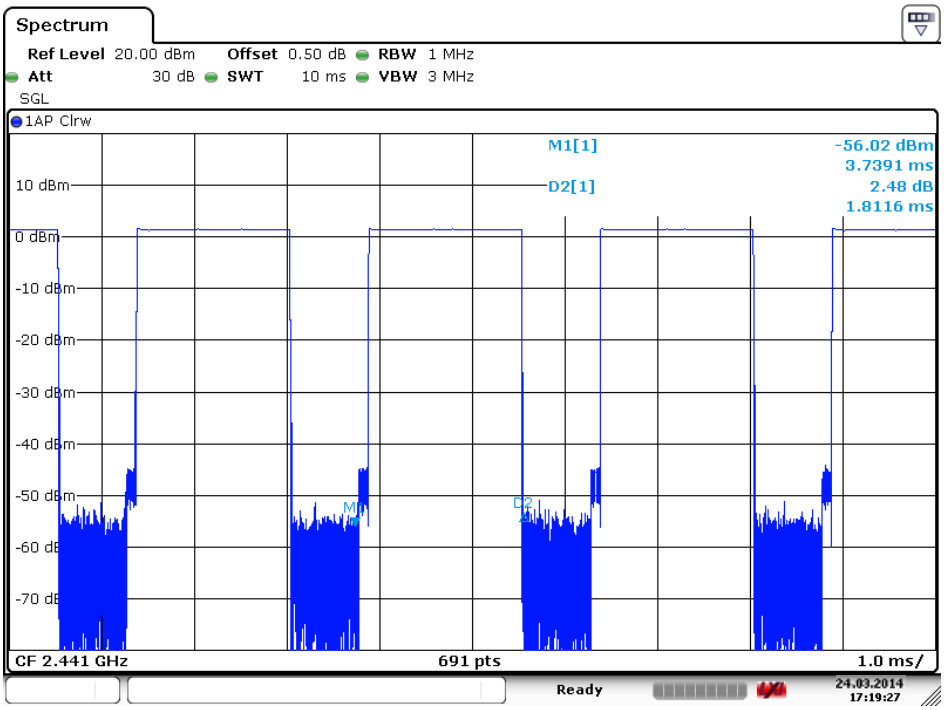

DH1 High channel



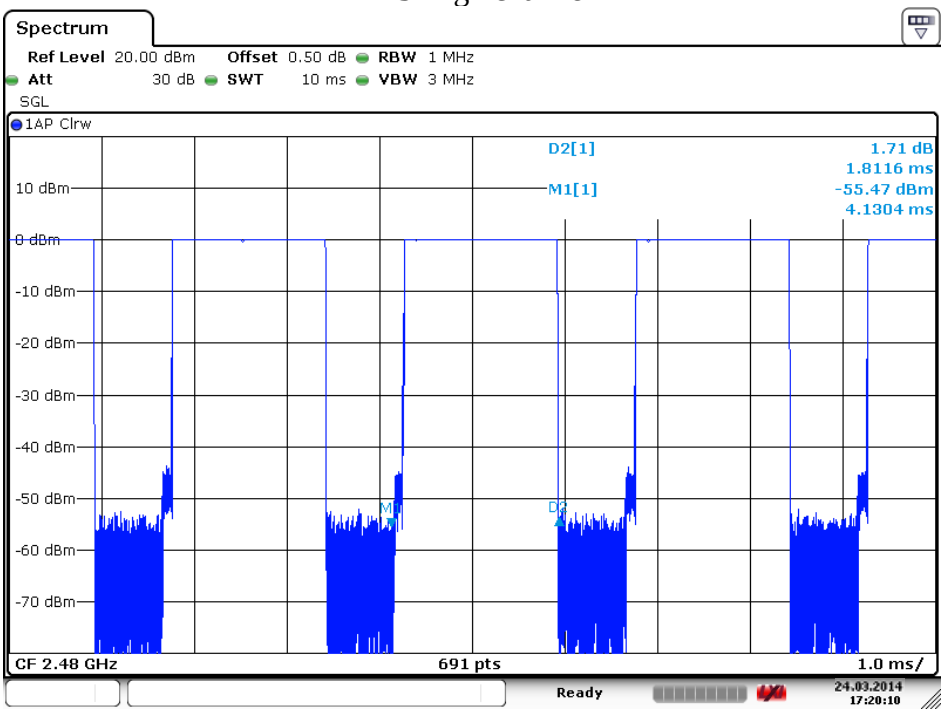
DH3 Low channel



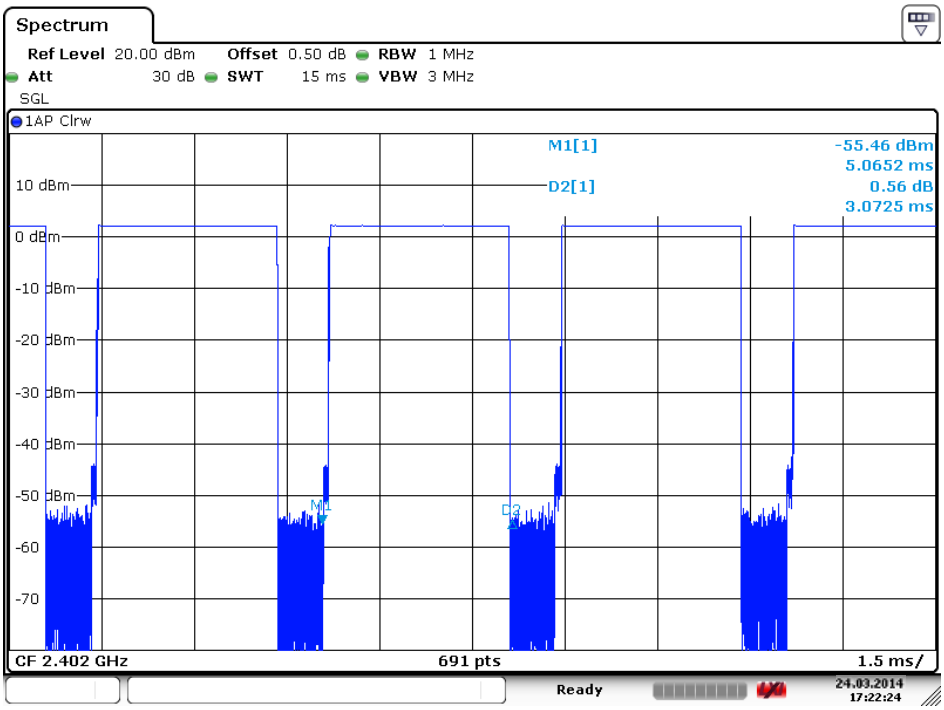

DH3 Middle channel



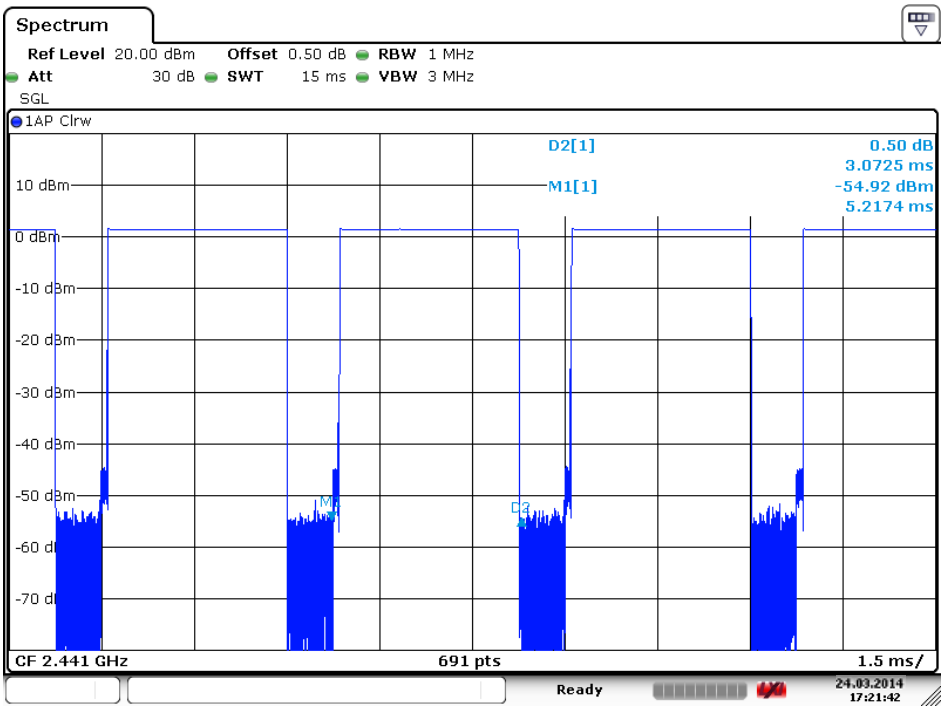
DH3 High channel



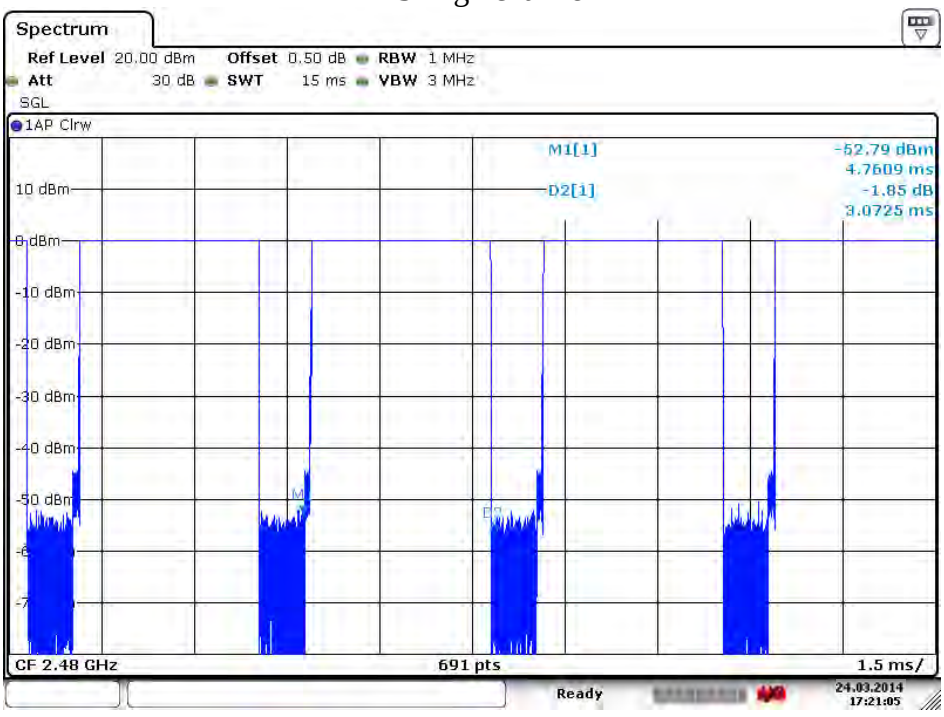

DH5 Low channel



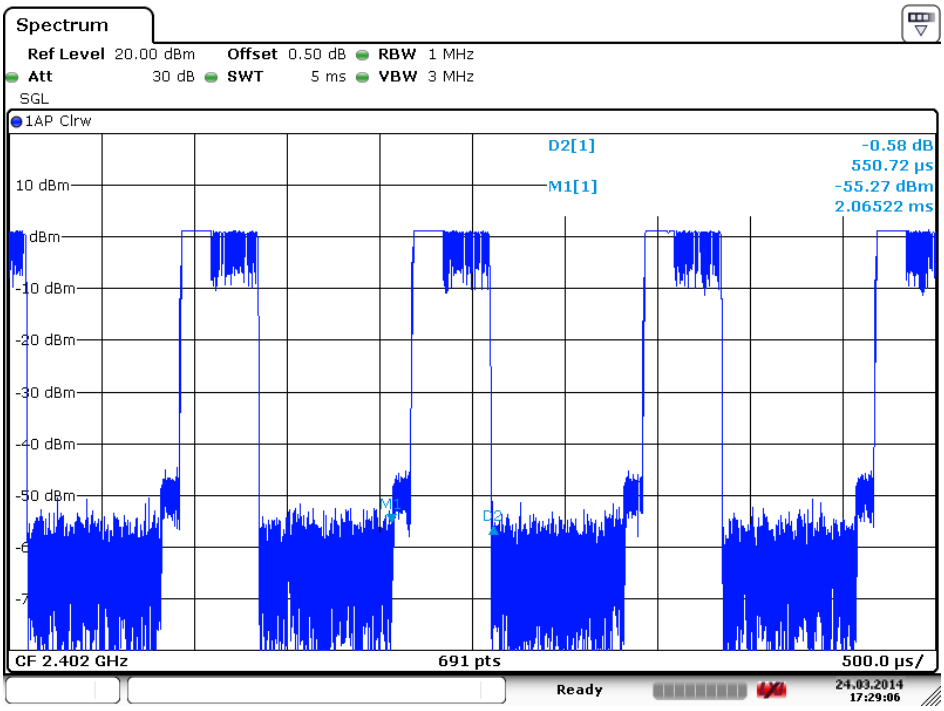
DH5 Middle channel



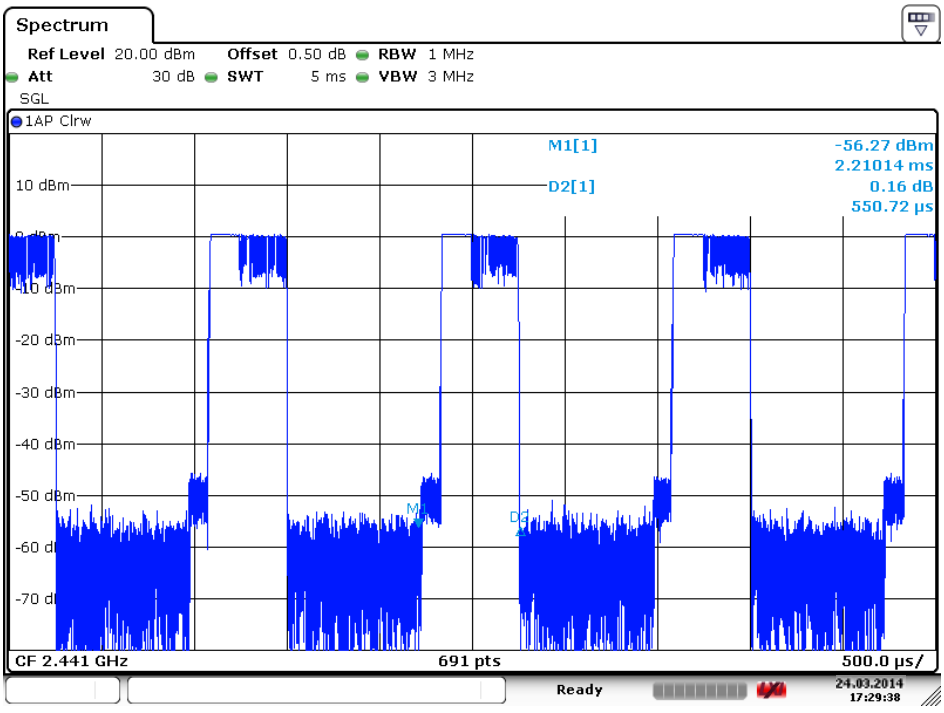

DH5 High channel



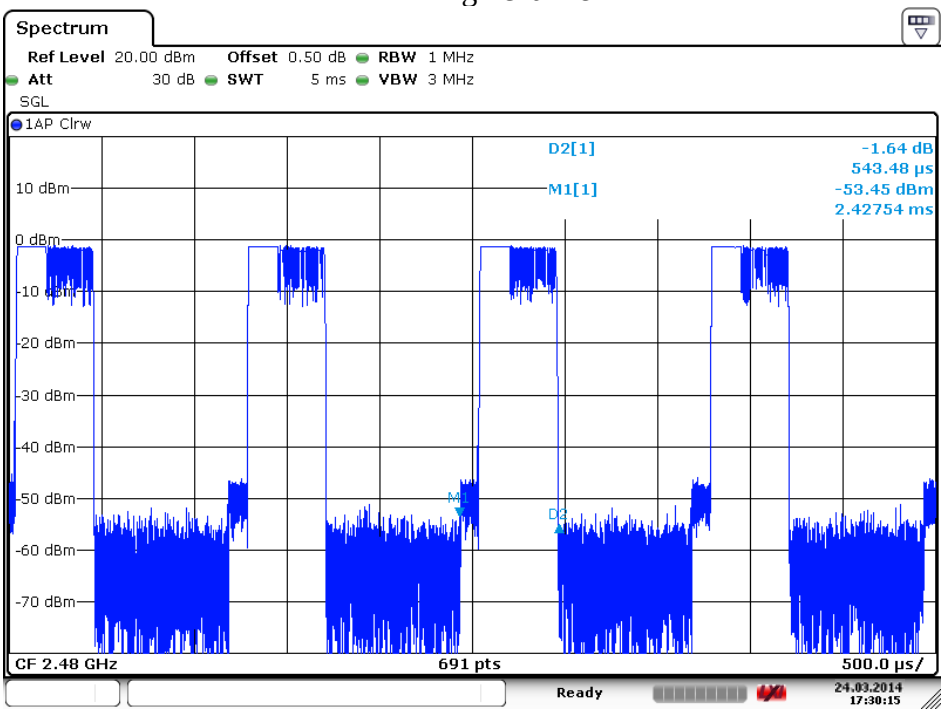
2DH1 Low channel



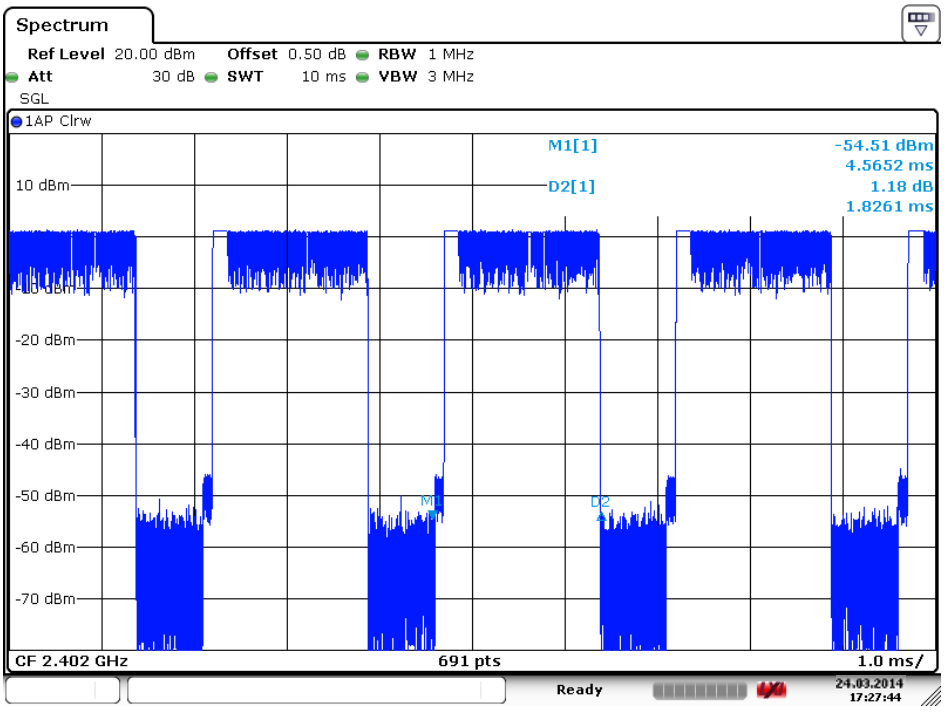

2DH1 Middle channel



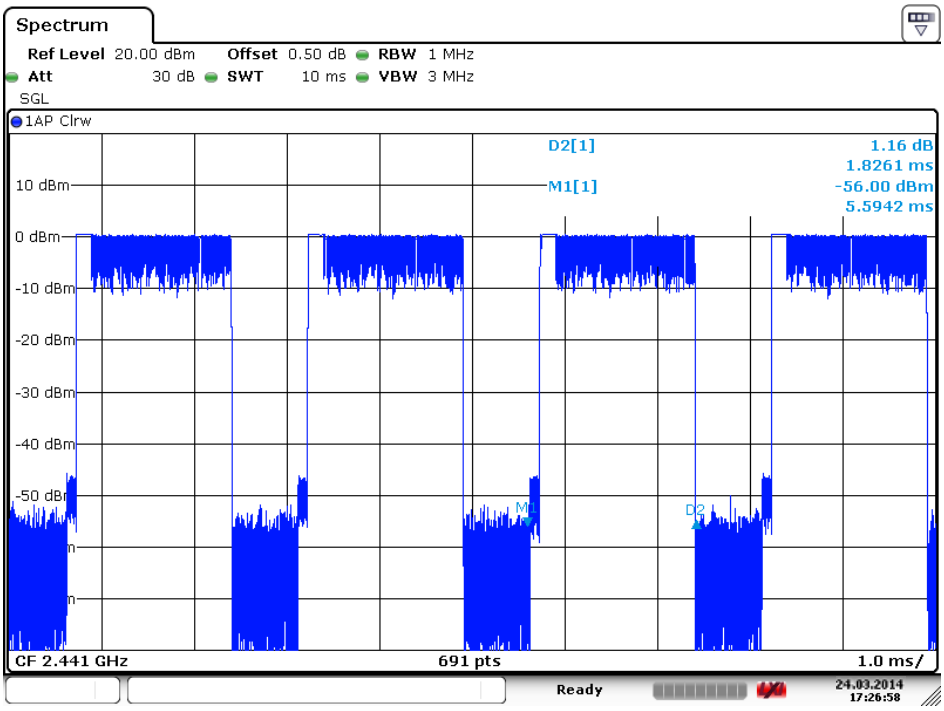
2DH1 High channel



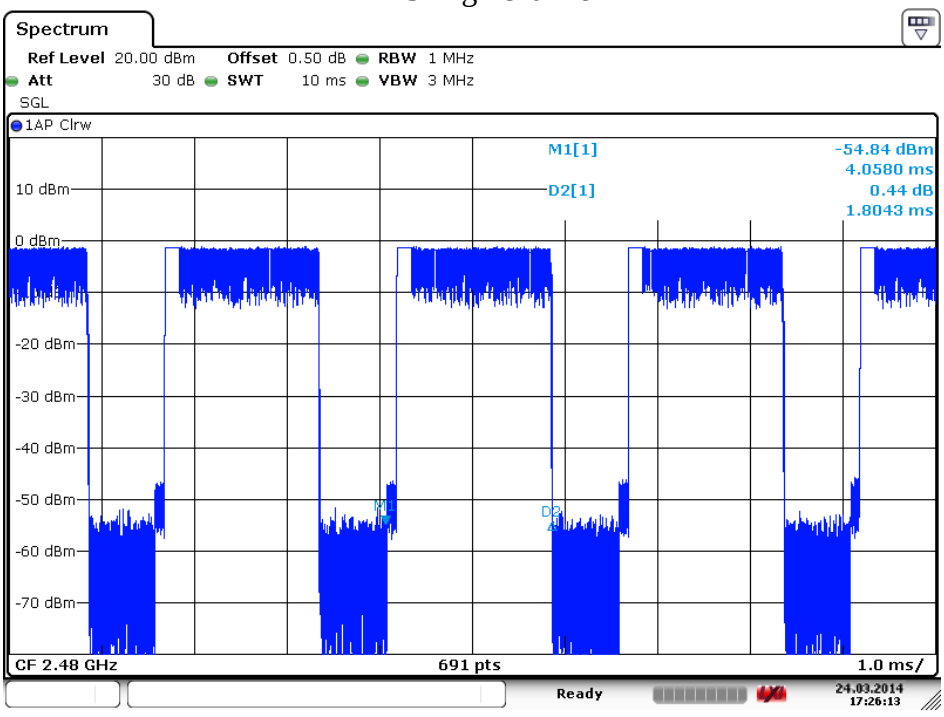

2DH3 Low channel



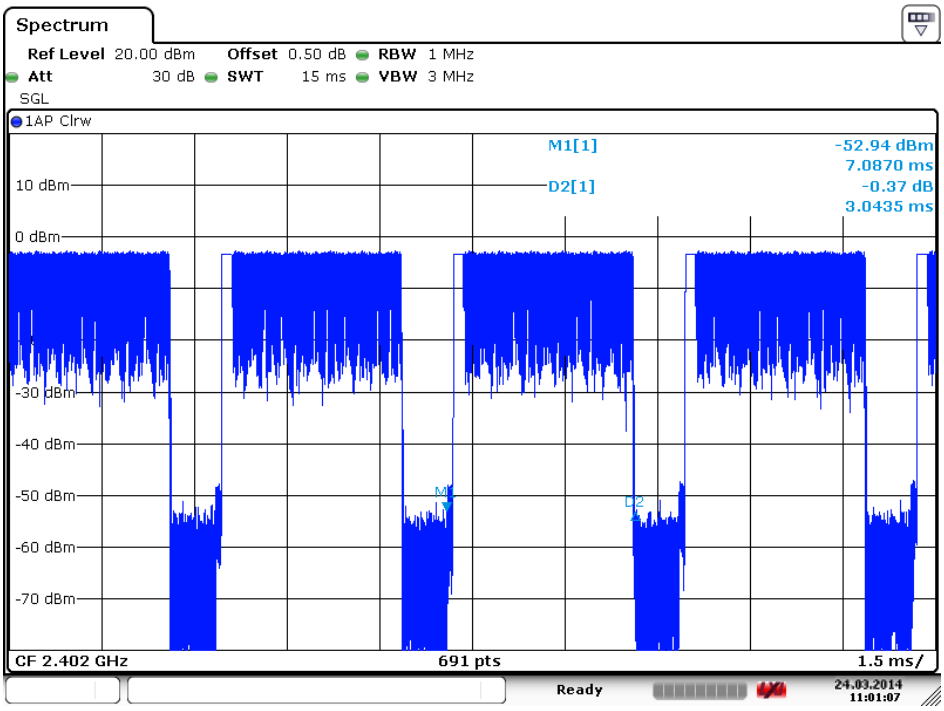
2DH3 Middle channel



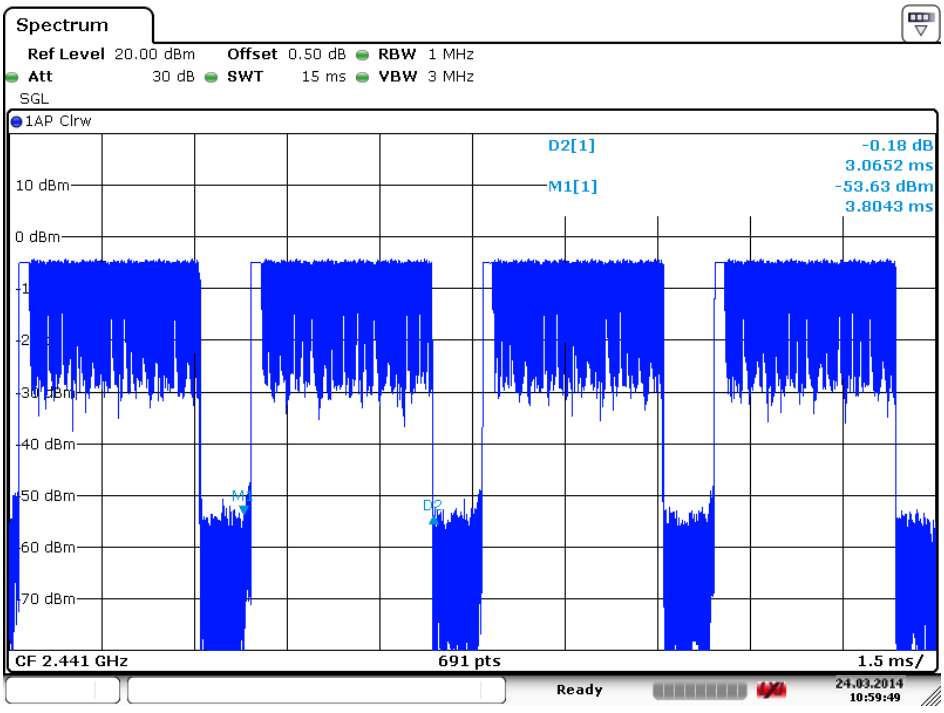

2DH3 High channel



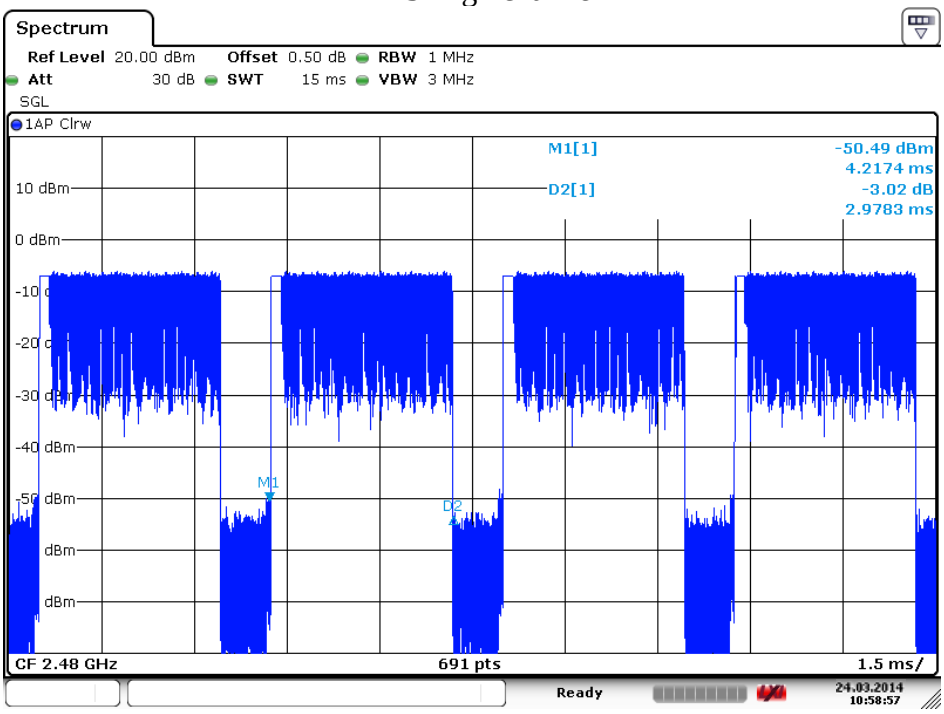
2DH5 Low channel



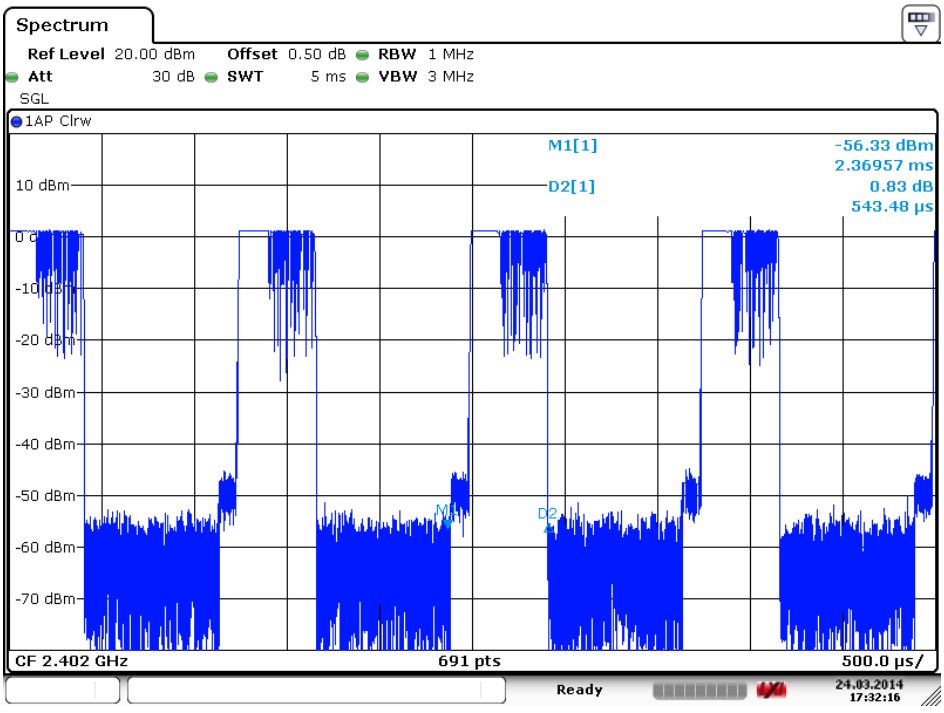

2DH5 Middle channel



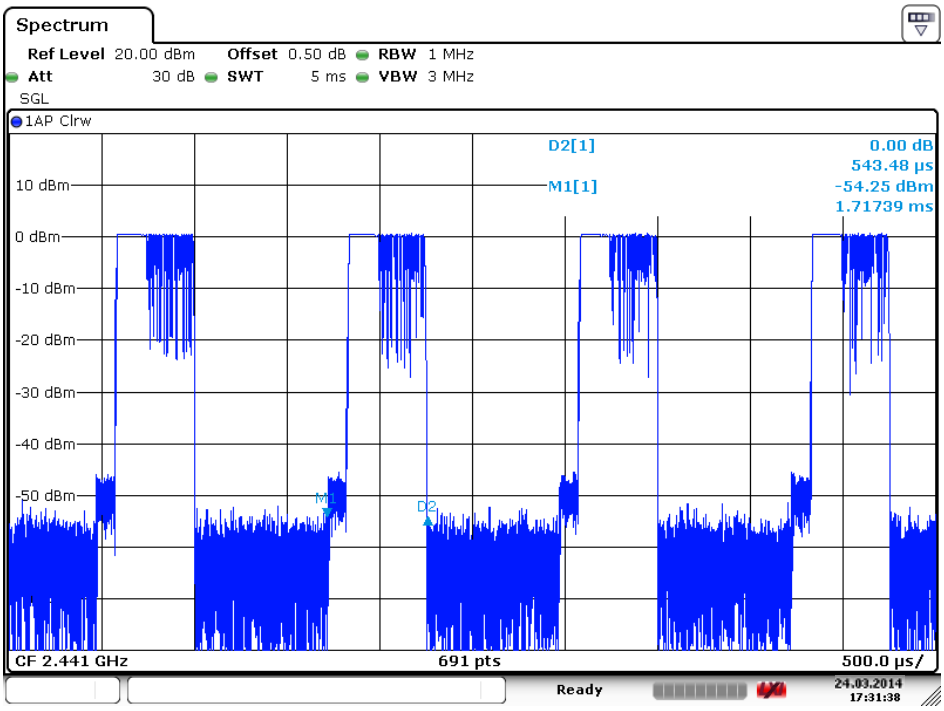
2DH5 High channel



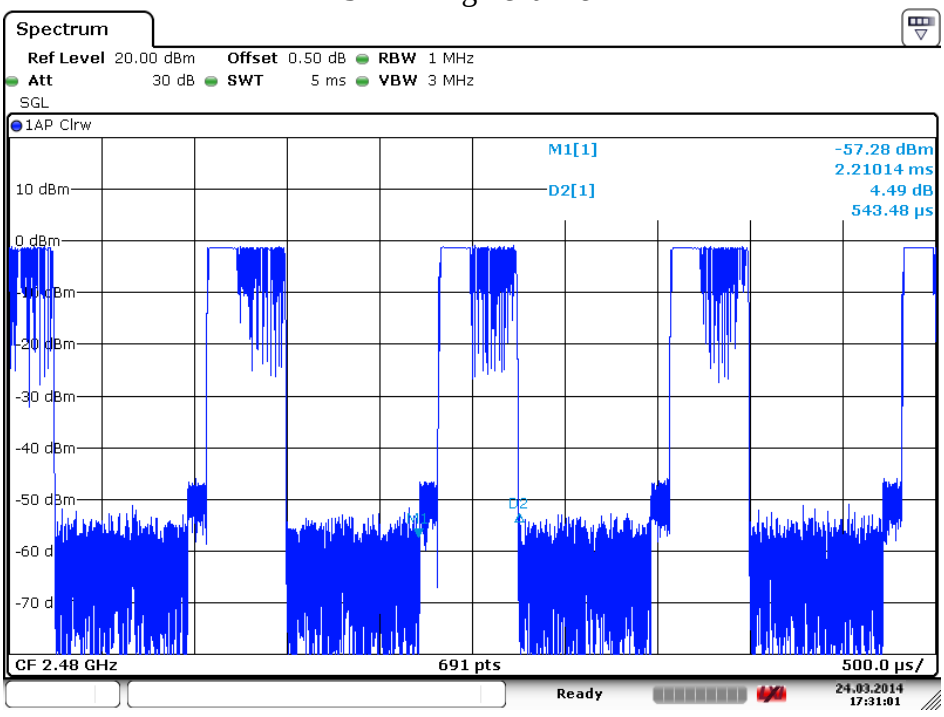

3DH1 Low channel



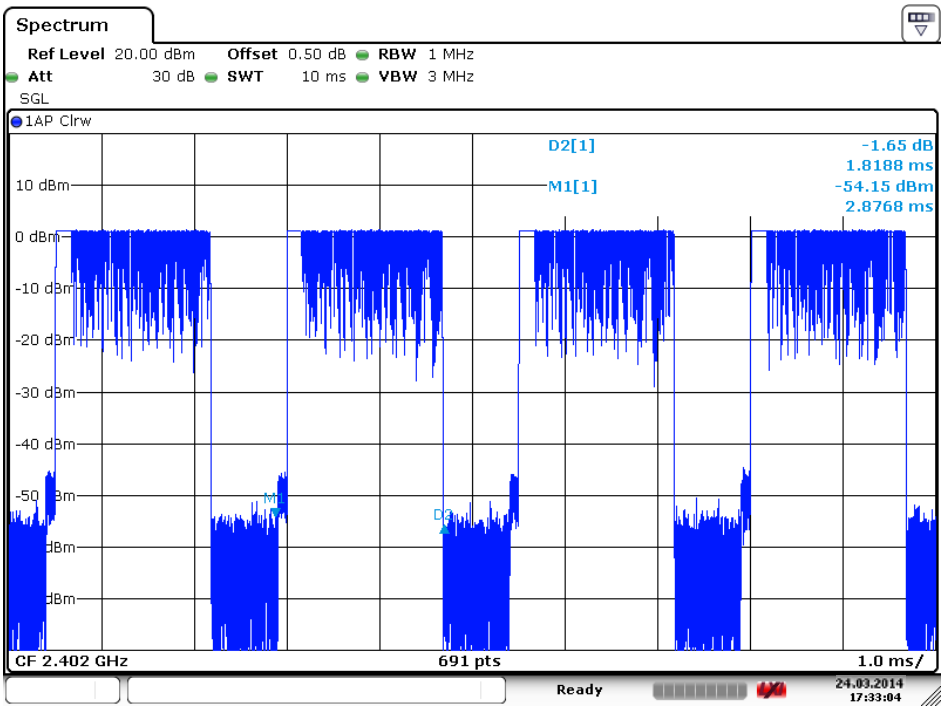
3DH1 Middle channel



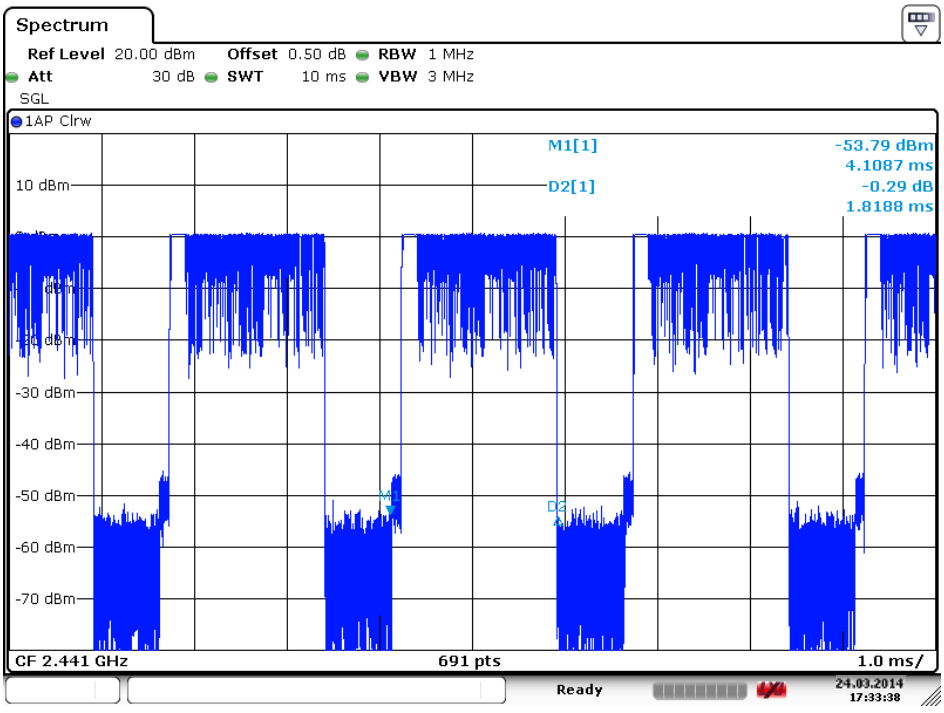

3DH1 High channel



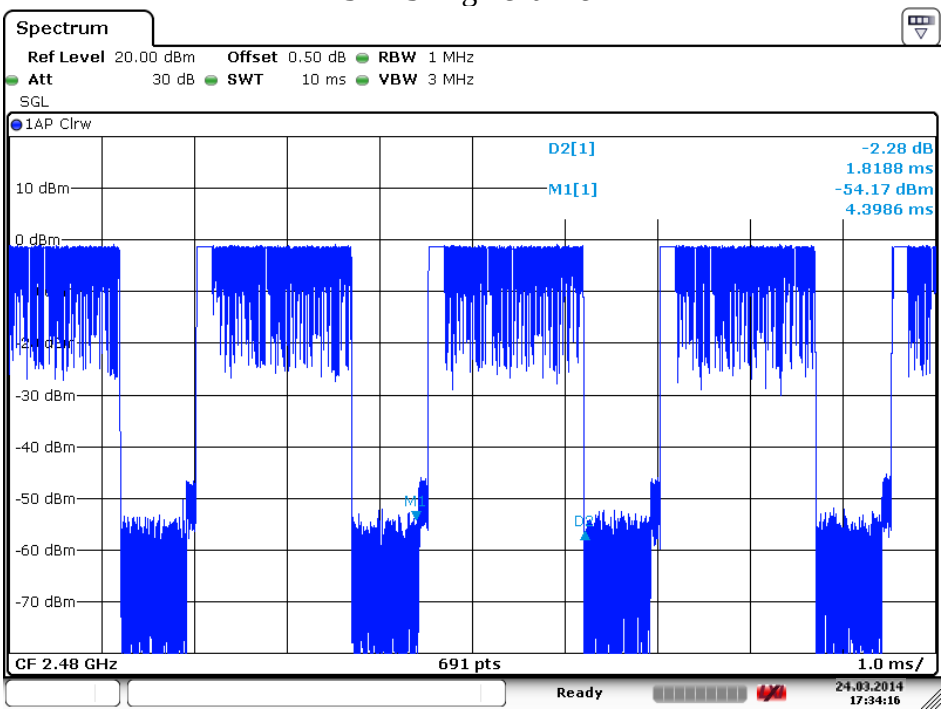
3DH3 Low channel



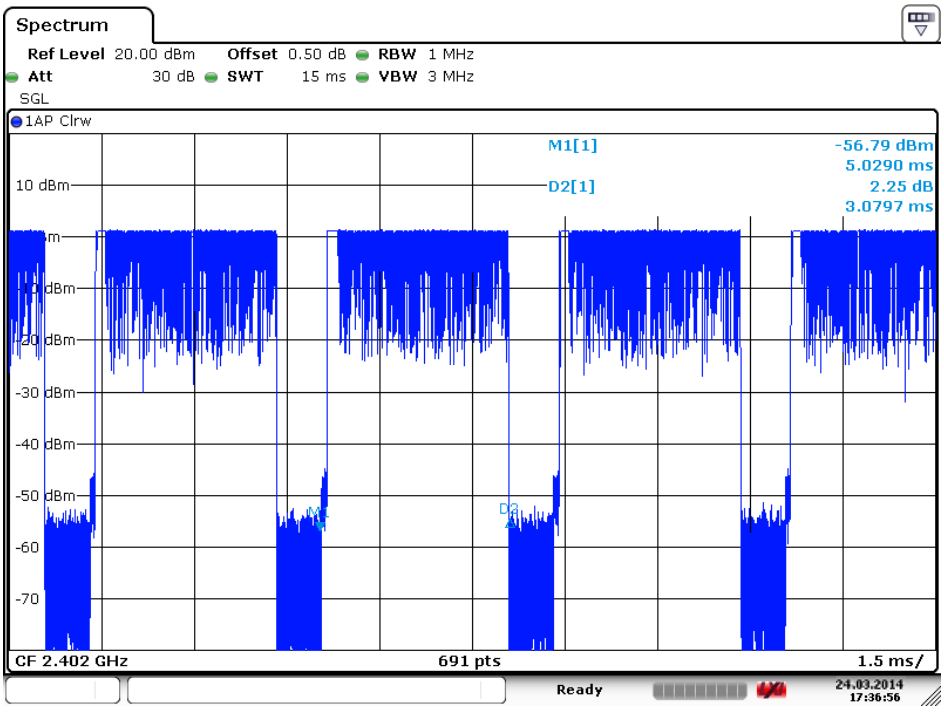

3DH3 Middle channel



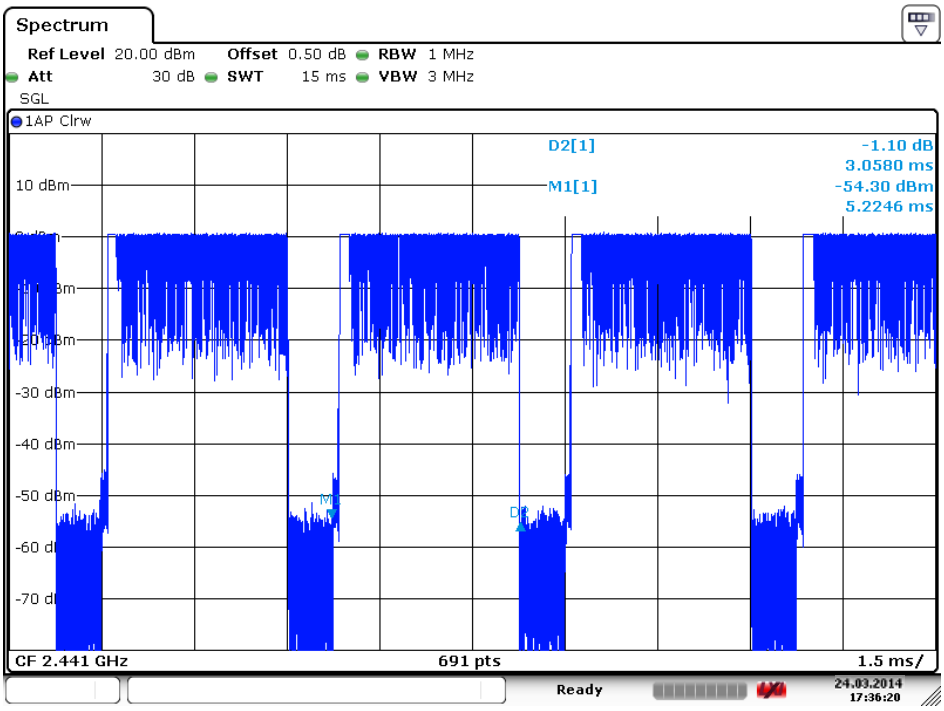
3DH3 High channel



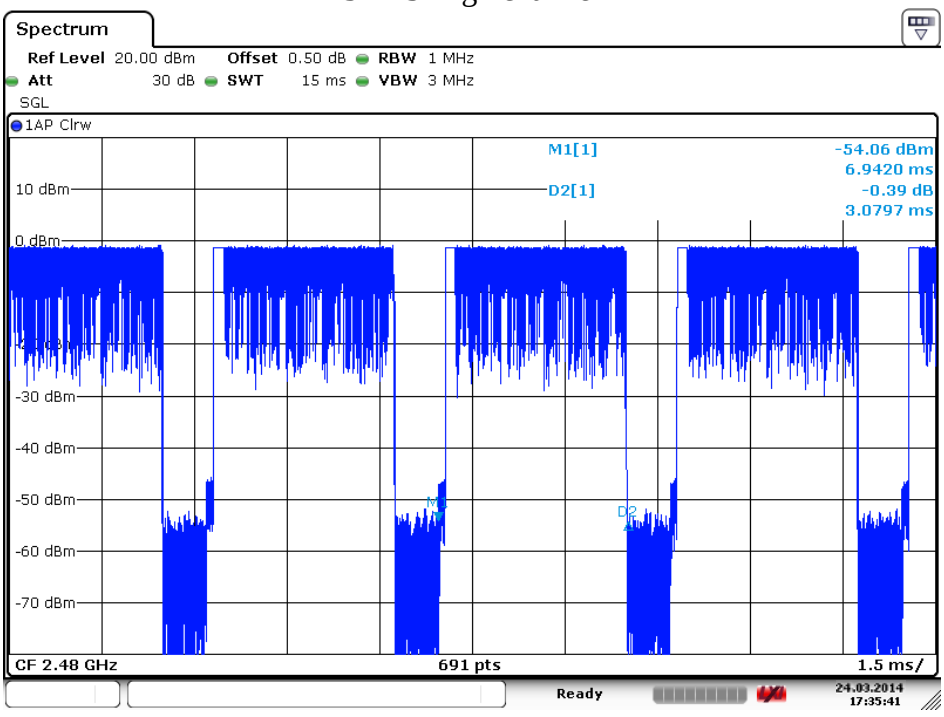

3DH5 Low channel



3DH5 Middle channel

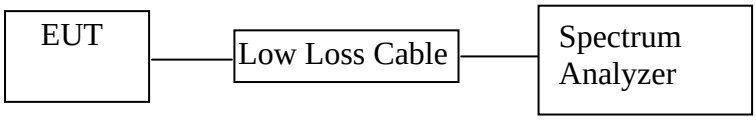



3DH5 High channel



# 9. MAXIMUM PEAK OUTPUT POWER TEST

## 9.1.Block Diagram of Test Setup




(EUT: Bluetooth Mouse)

## 9.2.The Requirement For Section 15.247(b)(1)

Section 15.247(b)(1): For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

## 9.3.EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

## 9.4.Operating Condition of EUT

9.4.1.Setup the EUT and simulator as shown as Section 9.1.

9.4.2.Turn on the power of all equipment.

9.4.3.Let the EUT work in TX (Hopping off) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, and 2480MHz TX frequency to transmit.

## 9.5.Test Procedure

9.5.1.The transmitter output was connected to the spectrum analyzer through a low loss cable.

9.5.2.Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz for GFSK mode

9.5.3.Set RBW of spectrum analyzer to 3MHz and VBW to 3MHz for other mode

9.5.4.Measurement the maximum peak output power.

## 9.6.Test Result

GFSK Mode

| Channel | Frequency (MHz) | Peak Output Power (dBm/W) | Limits dBm / W |
|---|---|---|---|
| Low | 2402 | 2.31/0.0017 | 30 / 1.0 |
| Middle | 2441 | 1.65/0.0015 | 30 / 1.0 |
| High | 2480 | -1.02/0.0008 | 30 / 1.0 |

Π/4-DQPSK Mode

| Channel | Frequency (MHz) | Peak Output Power (dBm/W) | Limits dBm / W |
|---|---|---|---|
| Low | 2402 | 1.98/0.0016 | 21 / 0.125 |
| Middle | 2441 | 1.23/0.0013 | 21 / 0.125 |
| High | 2480 | -0.45/0.0009 | 21 / 0.125 |

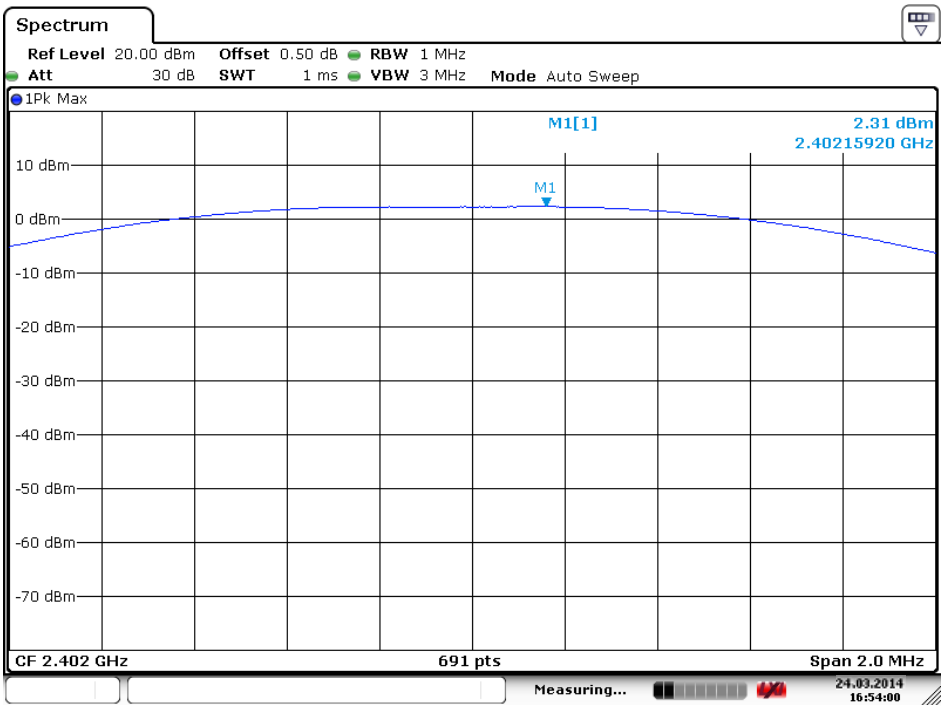
8DPSK Mode

| Channel | Frequency (MHz) | Peak Output Power (dBm/W) | Limits dBm / W |
|---|---|---|---|
| Low | 2402 | 2.11/0.0016 | 21 / 0.125 |
| Middle | 2441 | 1.42/0.0014 | 21 / 0.125 |
| High | 2480 | -0.24/0.0009 | 21 / 0.125 |

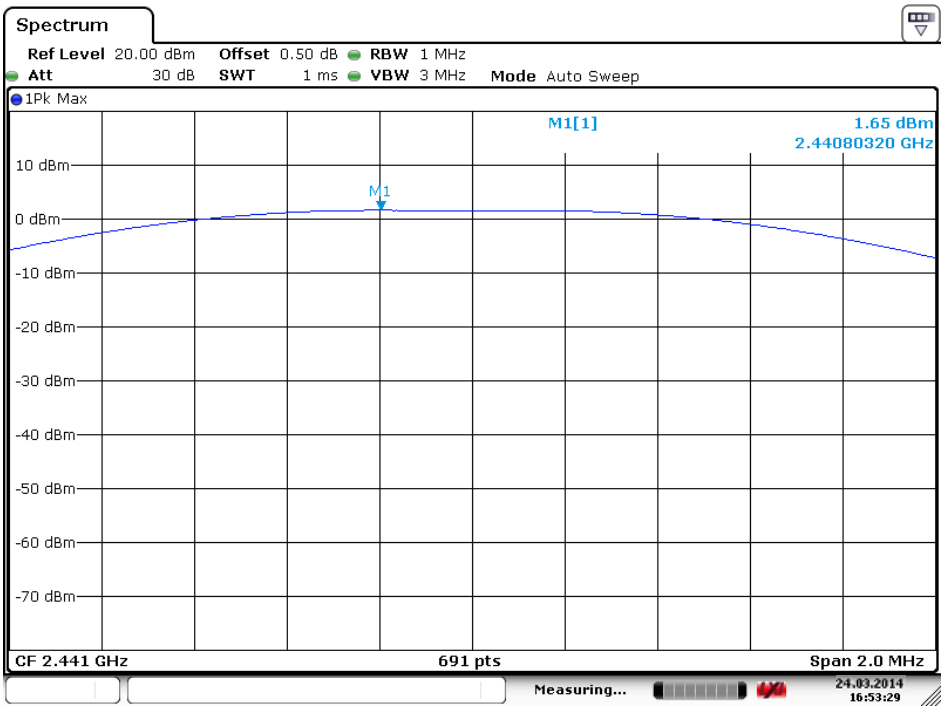
The spectrum analyzer plots are attached as below.

GFSK Mode

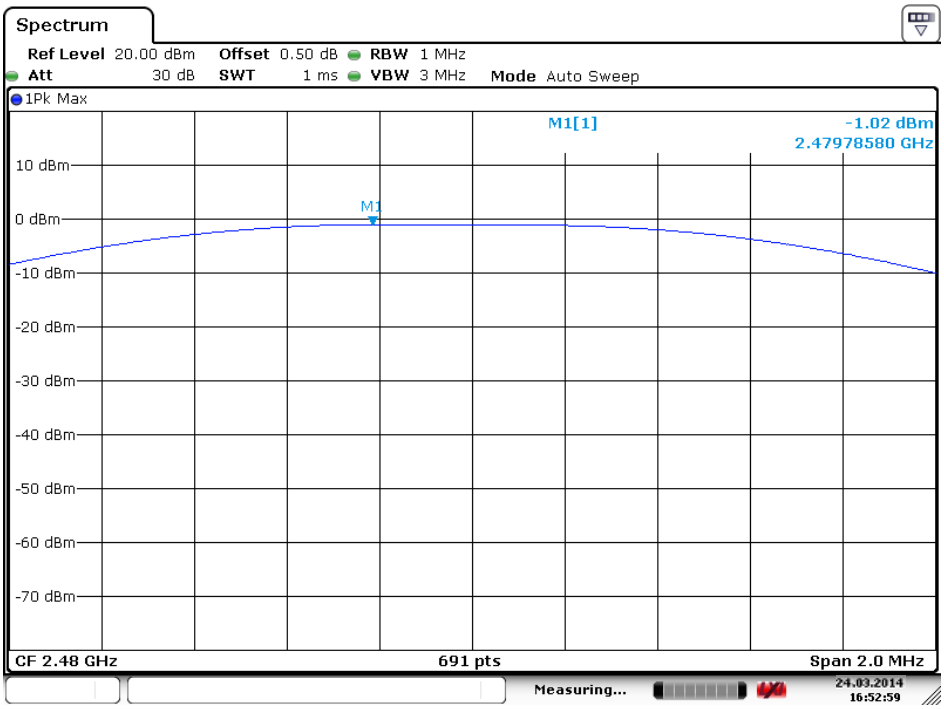
Low channel




Middle channel

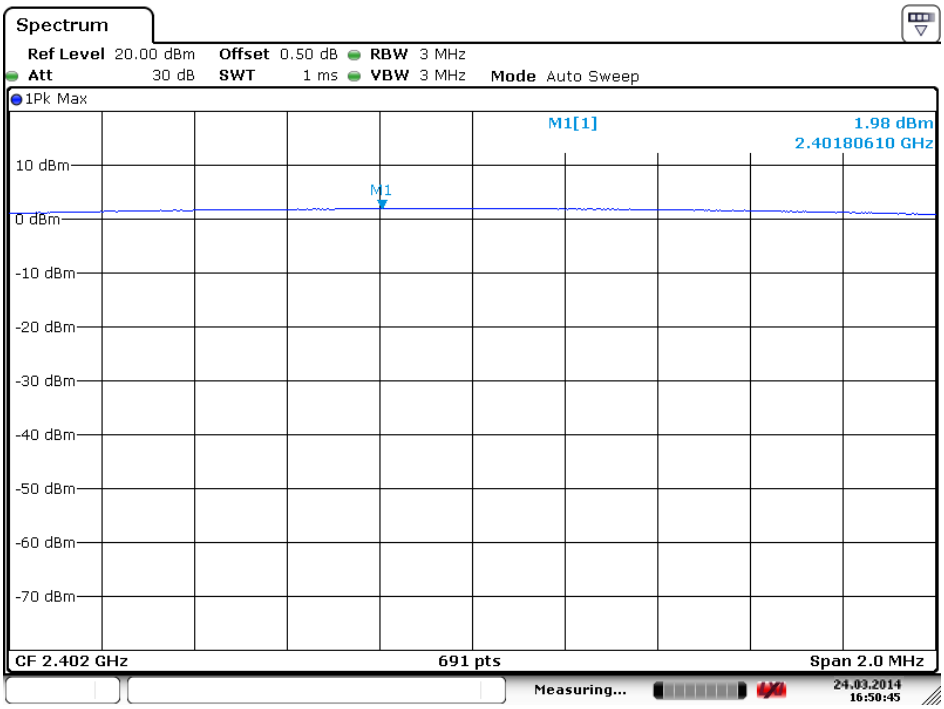


High channel

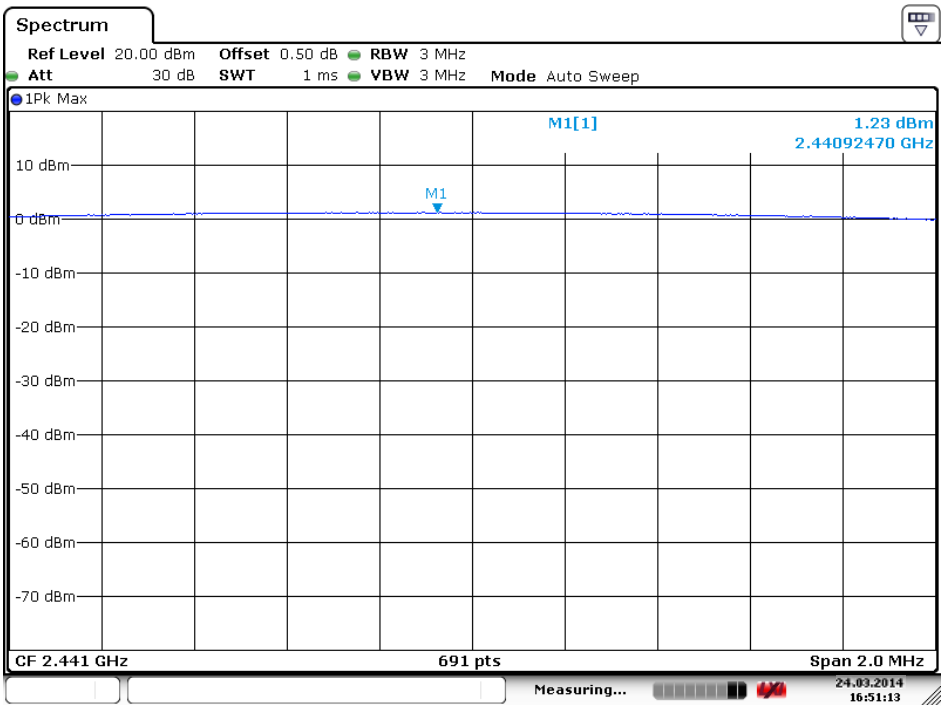



Π/4-DQPSK Mode

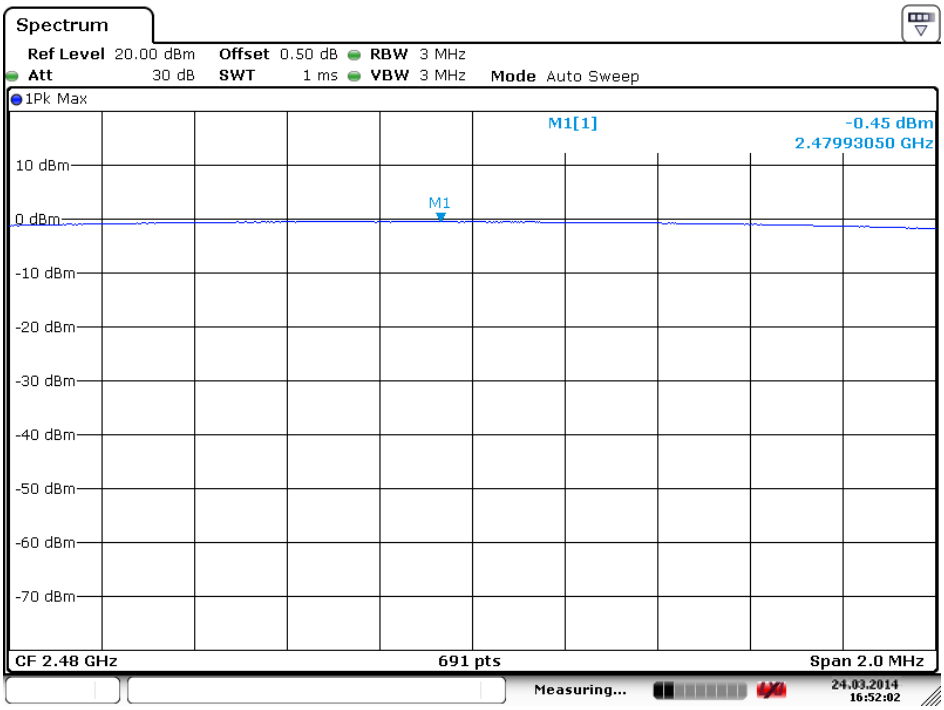
Low channel



Middle channel

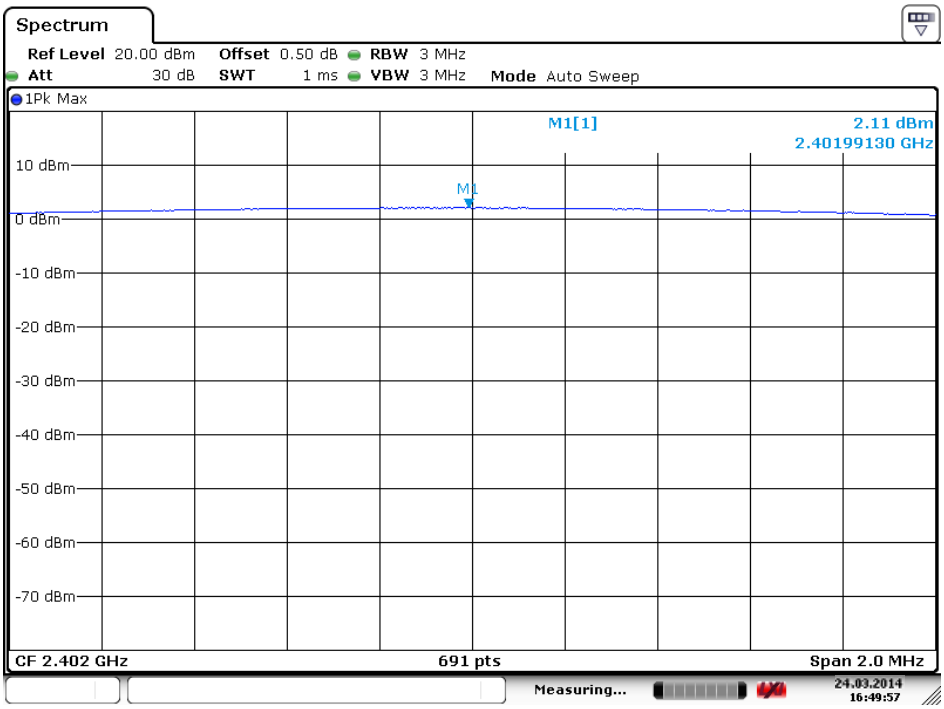



High channel

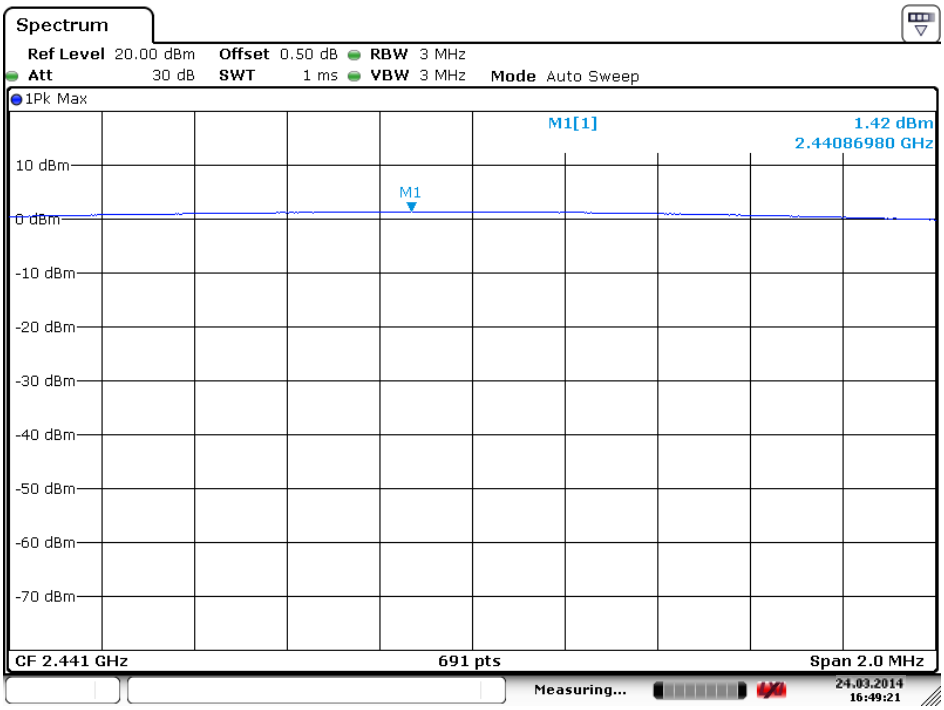


8DPSK Mode

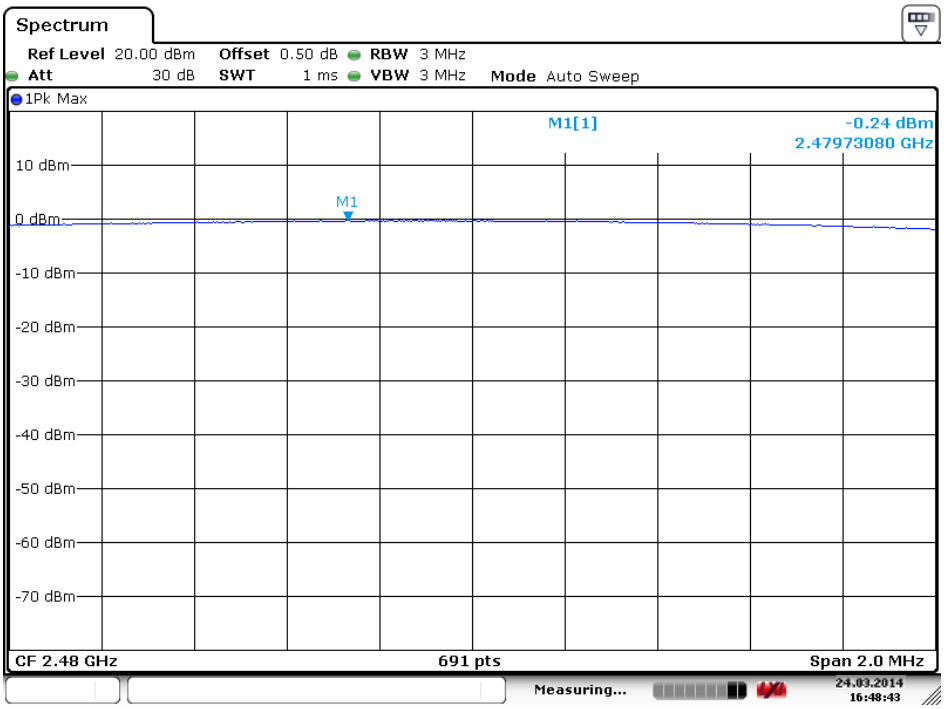
Low channel




Middle channel



High channel



# 10.RADIATED EMISSION TEST

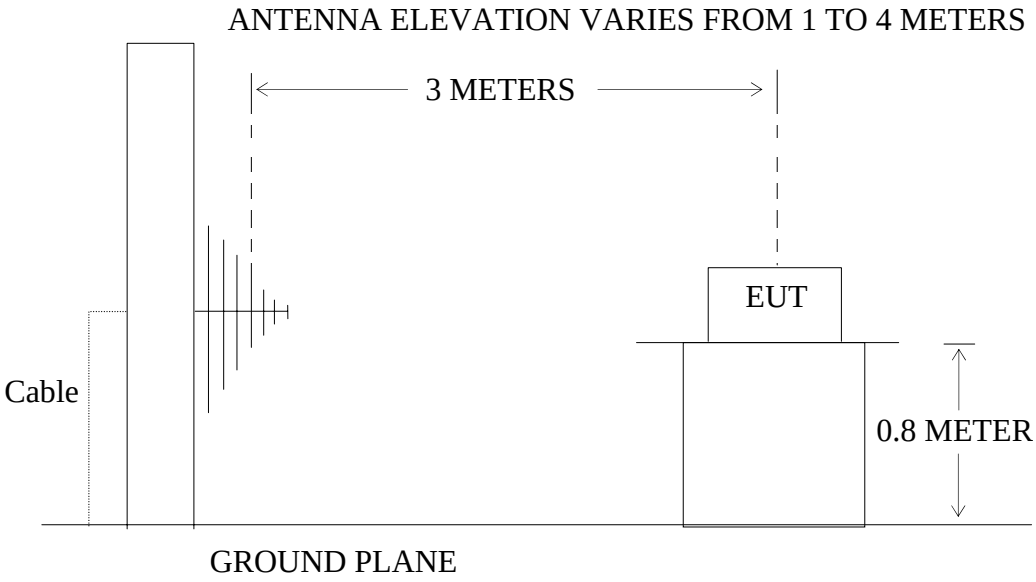
## 10.1.Block Diagram of Test Setup

### 10.1.1.Block diagram of connection between the EUT and simulators

EUT

(EUT: Bluetooth Mouse)

### 10.1.2.Anechoic Chamber Test Setup Diagram




## 10.2.The Limit For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

## 10.3.Restricted bands of operation

### 10.3.1.FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

| MHz | MHz | MHz | GHz |
|---|---|---|---|
| 0.090-0.110 | 16.42-16.423 | 399.9-410 | 4.5-5.15 |
| [1]0.495-0.505 | 16.69475-16.69525 | 608-614 | 5.35-5.46 |
| 2.1735-2.1905 | 16.80425-16.80475 | 960-1240 | 7.25-7.75 |
| 4.125-4.128 | 25.5-25.67 | 1300-1427 | 8.025-8.5 |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 |
| 6.215-6.218 | 74.8-75.2 | 1660-1710 | 10.6-12.7 |
| 6.26775-6.26825 | 108-121.94 | 1718.8-1722.2 | 13.25-13.4 |
| 6.31175-6.31225 | 123-138 | 2200-2300 | 14.47-14.5 |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 |
| 8.362-8.366 | 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 |
| 8.37625-8.38675 | 156.7-156.9 | 2690-2900 | 22.01-23.12 |
| 8.41425-8.41475 | 162.0125-167.17 | 3260-3267 | 23.6-24.0 |
| 12.29-12.293 | 167.72-173.2 | 3332-3339 | 31.2-31.8 |
| 12.51975-12.52025 | 240-285 | 3345.8-3358 | 36.43-36.5 |
| 12.57675-12.57725 | 322-335.4 | 3600-4400 | ([2]) |
| 13.36-13.41 | | | |

[1]Until February 1, 1999, this restricted band shall be 0.490-0.510
[2]Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

## 10.4.Configuration of EUT on Measurement

The equipment is installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

## 10.5.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4- 2009 on radiated emission measurement.
The bandwidth of test receiver (R&S ESI26) is set at 120 KHz in 30-1000MHz. and set at 1MHz in above 1000MHz.
The frequency range from 30MHz to 25000MHz is checked.
The final measurement in band 9-90 kHz, 110-490 kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.
The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading. The basic equation calculation is as follows:
Result = Reading + Corrected Factor
Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

## 10.6.The Field Strength of Radiation Emission Measurement Results

**Note: 1.We tested GFSK mode, Π/4-DQPSK Mode & 8DPSK mode and recorded the worst case data (GFSK mode) for all test mode.**

**2. The 18-25GHz emissions are not reported, because the levels are too low against the limit.**

**Below 1GHz**

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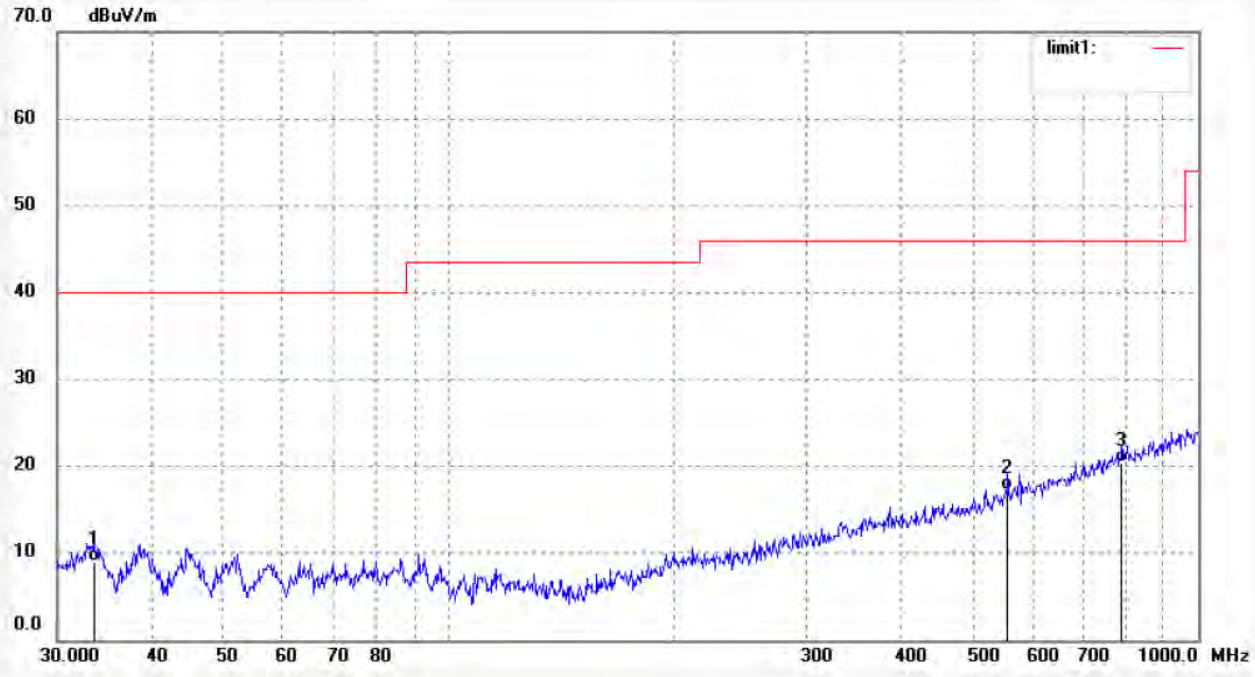
| | |
|---|---|
| Job No.: alen #3825 | Polarization: Horizontal |
| Standard: FCC Class B 3M Radiated | Power Source: DC 3V |
| Test item: Radiation Test | Date: 2014/03/29 |
| Temp.( C)/Hum.(%) 25 C / 55 % | Time: 12:01:32 |
| EUT: Bluetooth mouse | Engineer Signature: |
| Mode: TX 2402MHz | Distance: 3m |
| Model: K925BT | |
| Manufacturer: MAXIN | |

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.5623 | 28.01 | -19.01 | 9.00 | 40.00 | -31.00 | QP | | | |
| 2 | 556.7744 | 29.87 | -12.69 | 17.18 | 46.00 | -28.82 | QP | | | |
| 3 | 790.6187 | 28.32 | -7.92 | 20.40 | 46.00 | -25.60 | QP | | | |

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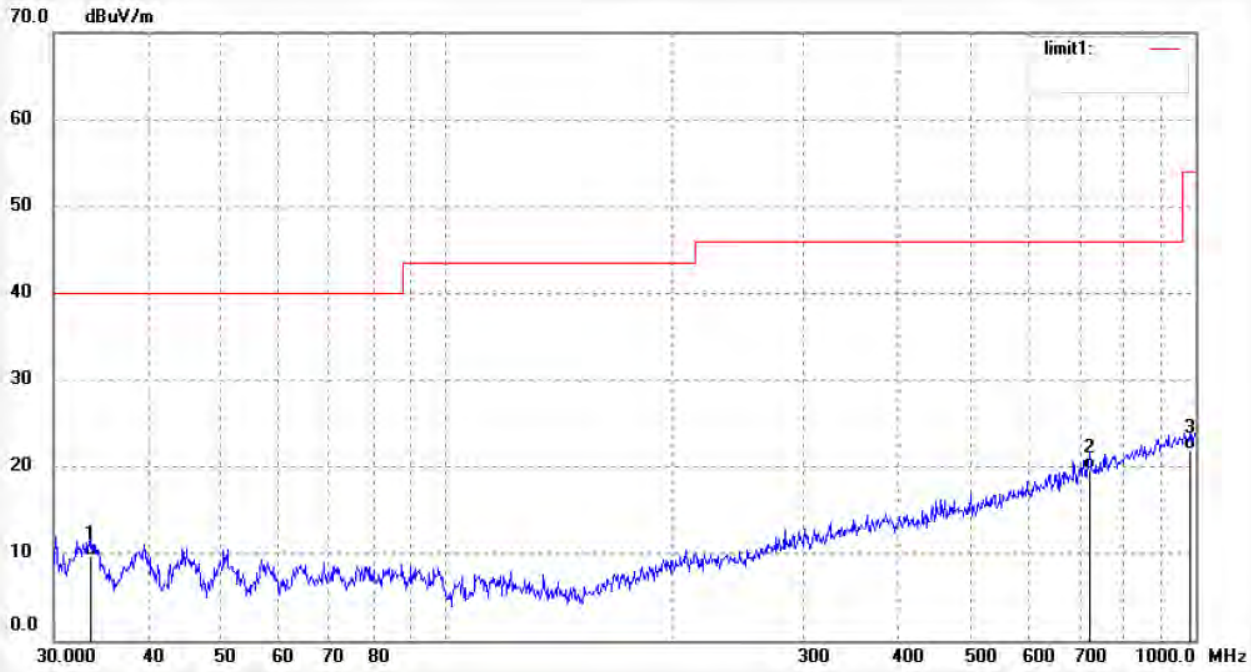
Job No.: alen #3826
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2402MHz
Model: K925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 2014/03/29
Time: 12:02:12
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.5624 | 28.68 | -19.01 | 9.67 | 40.00 | -30.33 | QP | | | |
| 2 | 721.7259 | 28.89 | -9.28 | 19.61 | 46.00 | -26.39 | QP | | | |
| 3 | 982.6200 | 26.87 | -4.94 | 21.93 | 54.00 | -32.07 | QP | | | |

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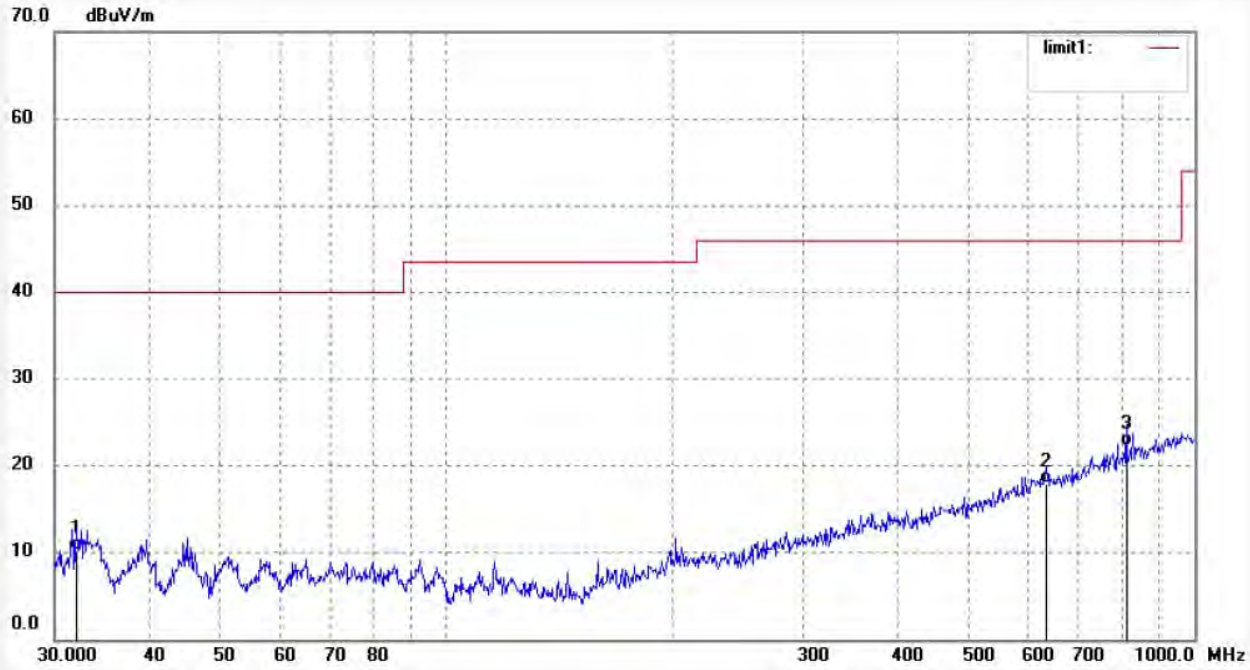
Job No.: alen #3824
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2441MHz
Model: K925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 2014/03/29
Time: 12:01:01
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32.0667 | 28.81 | -18.50 | 10.31 | 40.00 | -29.69 | QP | | | |
| 2 | 633.9072 | 28.89 | -10.99 | 17.90 | 46.00 | -28.10 | QP | | | |
| 3 | 810.2653 | 30.01 | -7.61 | 22.40 | 46.00 | -23.60 | QP | | | |

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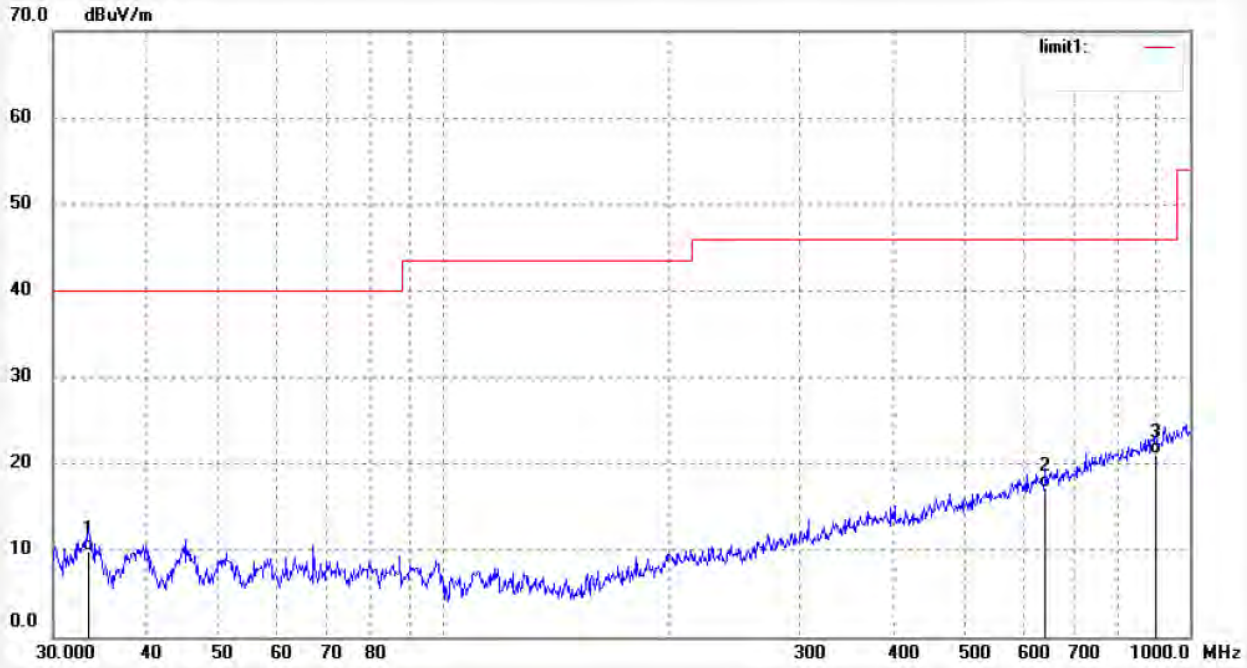
Job No.: alen #3823
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2441MHz
Model: K925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 2014/03/29
Time: 12:00:26
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.4448 | 28.92 | -18.97 | 9.95 | 40.00 | -30.05 | QP | | | |
| 2 | 640.6109 | 28.01 | -10.82 | 17.19 | 46.00 | -28.81 | QP | | | |
| 3 | 900.1473 | 27.21 | -6.11 | 21.10 | 46.00 | -24.90 | QP | | | |

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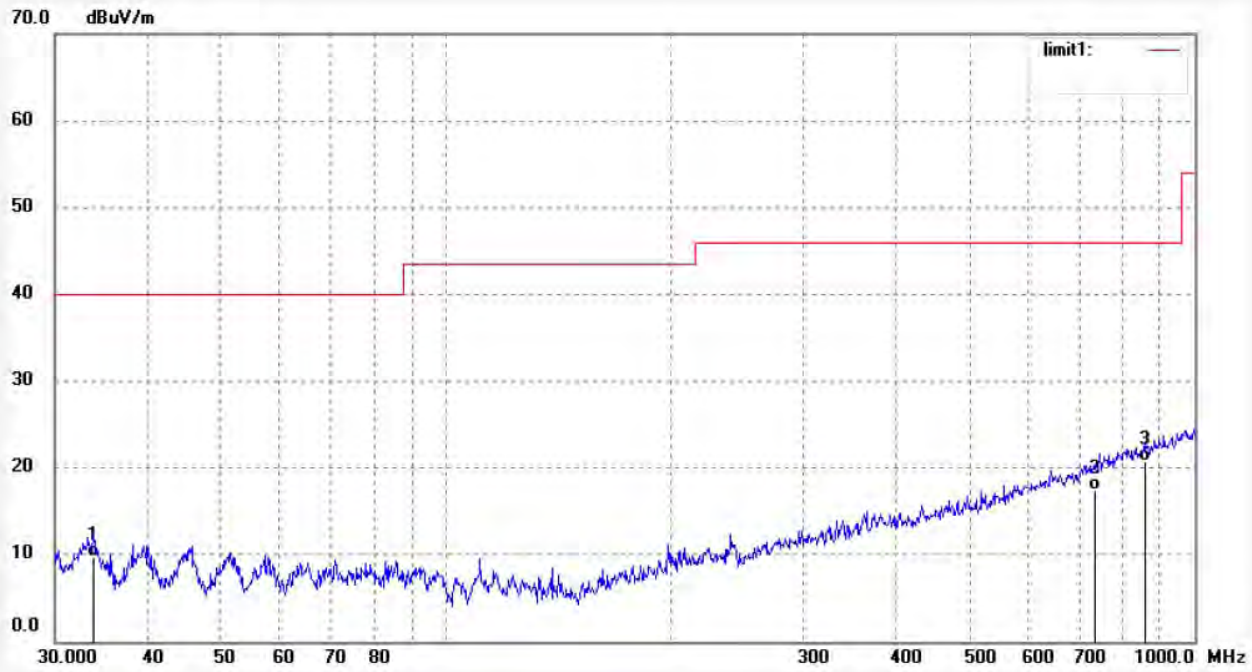
Job No.: alen #3821
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2480MHz
Model: K925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 2014/03/29
Time: 11:57:51
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.7986 | 28.81 | -19.10 | 9.71 | 40.00 | -30.29 | QP | | | |
| 2 | 734.4913 | 26.41 | -8.98 | 17.43 | 46.00 | -28.57 | QP | | | |
| 3 | 857.0247 | 27.65 | -6.86 | 20.79 | 46.00 | -25.21 | QP | | | |

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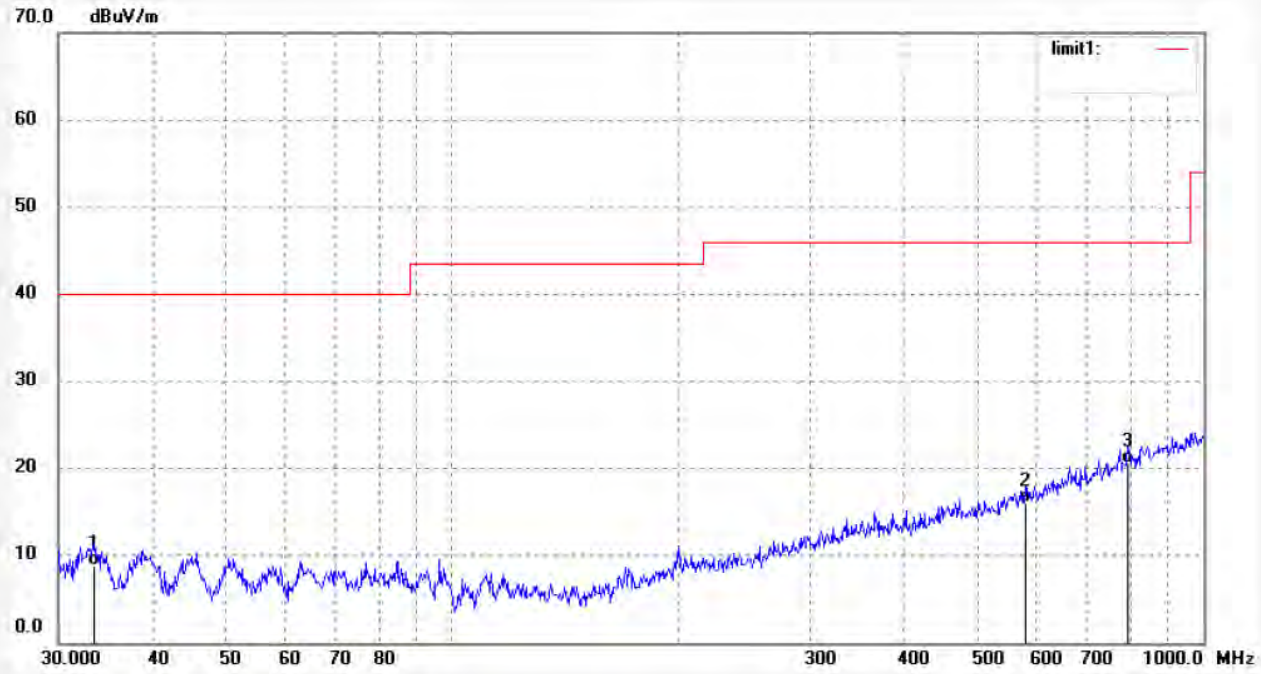
Job No.: alen #3822
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2480MHz
Model: K925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 2014/03/29
Time: 11:59:57
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 33.4448 | 27.89 | -18.97 | 8.92 | 40.00 | -31.08 | QP | | | |
| 2 | 578.6698 | 28.10 | -12.16 | 15.94 | 46.00 | -30.06 | QP | | | |
| 3 | 793.3958 | 28.35 | -7.87 | 20.48 | 46.00 | -25.52 | QP | | | |

**Above 1GHz**

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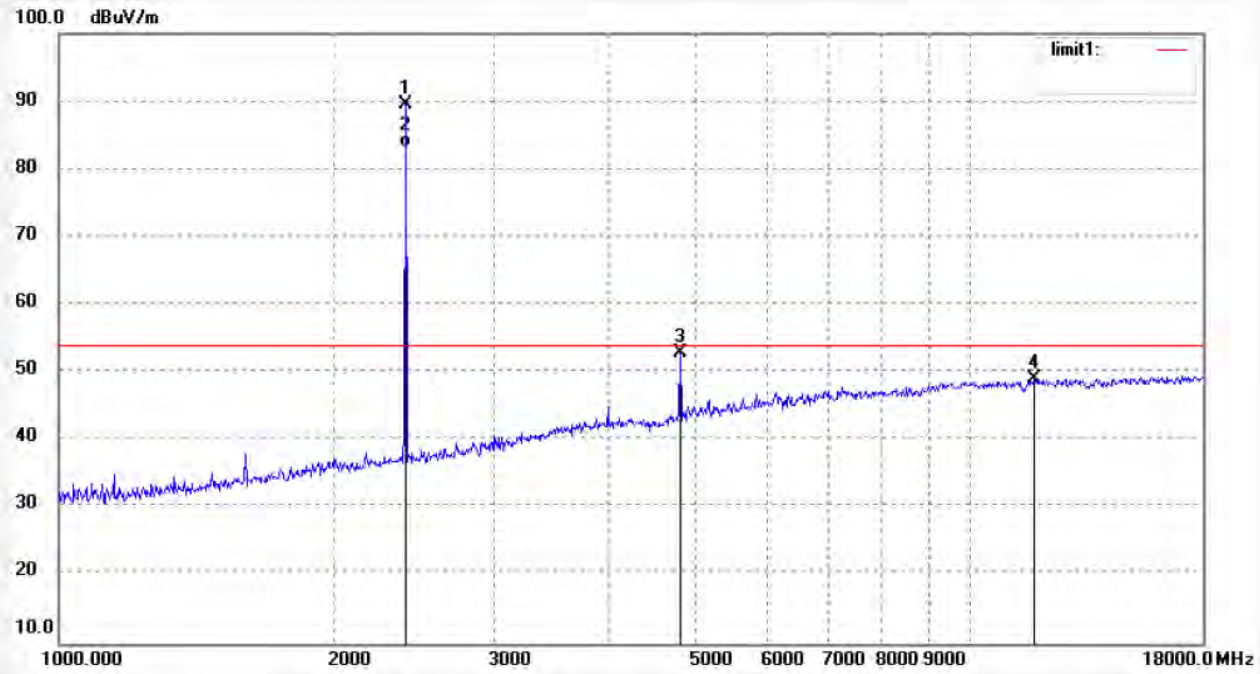
Job No.: alen #3597
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2402MHz
Model: M925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 14/03/28/
Time: 9/39/04
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2401.753 | 96.29 | -6.76 | 89.53 | | | | | | |
| 2 | 2401.753 | 90.02 | -6.76 | 83.26 | | | | | | |
| 3 | 4804.110 | 54.51 | -1.59 | 52.92 | 74.00 | -21.08 | peak | | | |
| 4 | 11735.245 | 42.89 | 6.25 | 49.14 | 74.00 | -24.86 | peak | | | |

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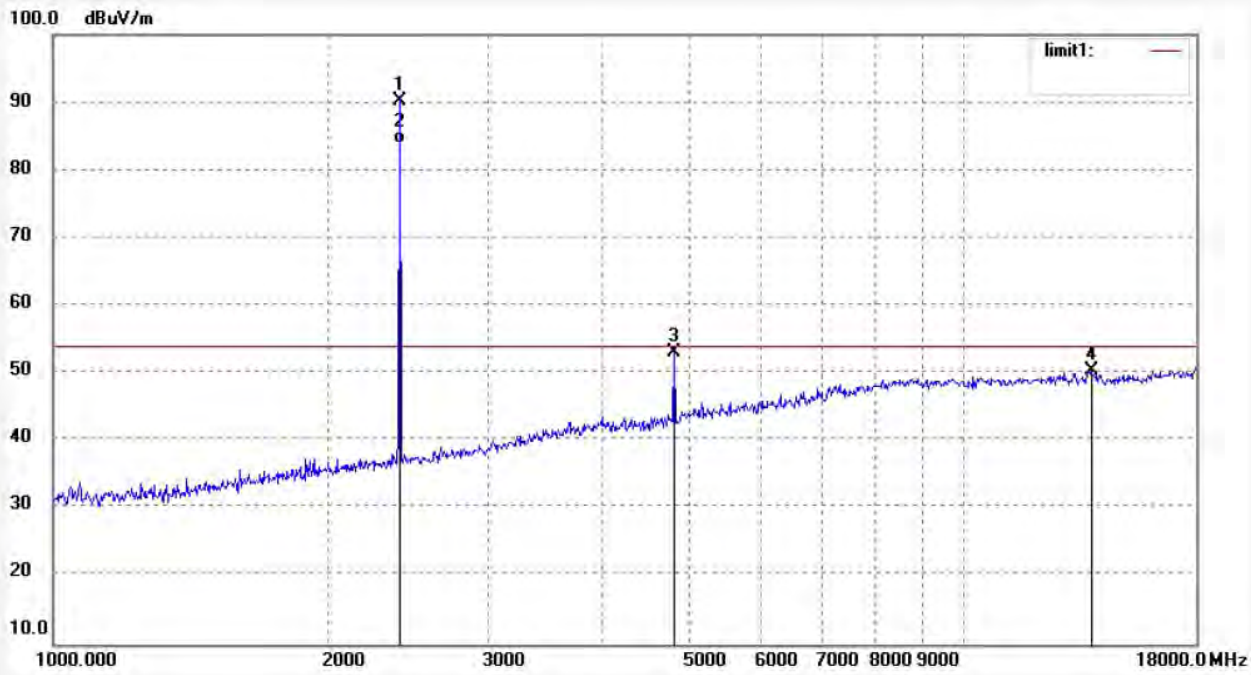
Job No.: alen #3596
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2402MHz
Model: M925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 14/03/28/
Time: 9/37/17
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2401.753 | 97.03 | -6.76 | 90.27 | | | | | | |
| 2 | 2401.753 | 90.58 | -6.76 | 83.82 | | | | | | |
| 3 | 4804.110 | 54.64 | -1.59 | 53.05 | 74.00 | -20.95 | peak | | | |
| 4 | 13797.088 | 40.50 | 9.87 | 50.37 | 74.00 | -23.63 | peak | | | |

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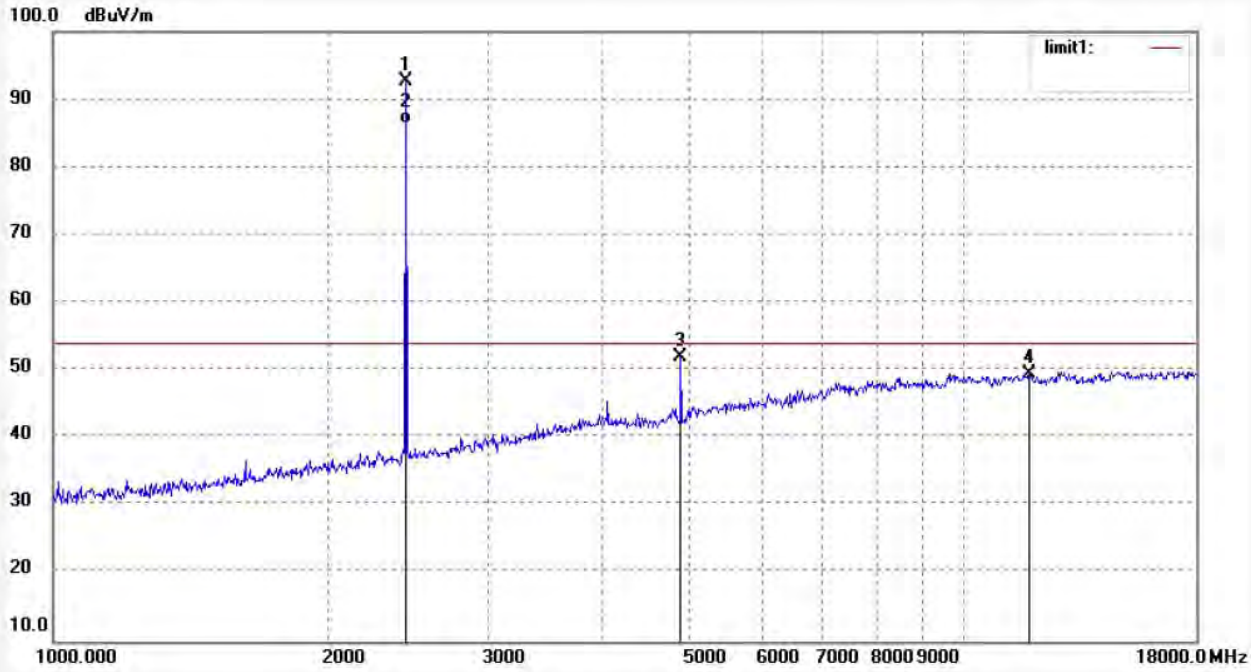
Job No.: alen #3598
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2441MHz
Model: M925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 14/03/28/
Time: 9/42/01
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2440.751 | 99.30 | -6.64 | 92.66 | | | | | | |
| 2 | 2440.751 | 93.01 | -6.64 | 86.37 | | | | | | |
| 3 | 4888.151 | 53.33 | -1.33 | 52.00 | 74.00 | -22.00 | peak | | | |
| 4 | 11803.280 | 43.28 | 6.32 | 49.60 | 74.00 | -24.40 | peak | | | |

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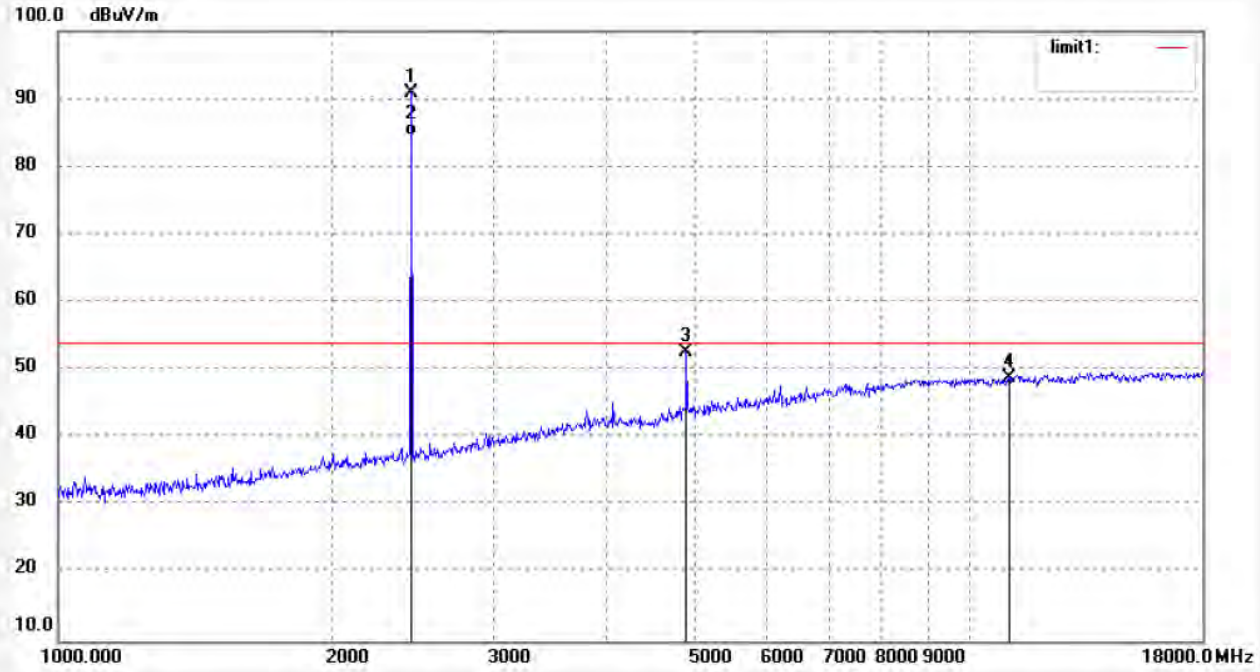
Job No.: alen #3599
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2441MHz
Model: M925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 14/03/28/
Time: 9/43/39
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2440.751 | 97.64 | -6.64 | 91.00 | | | | | | |
| 2 | 2440.751 | 91.32 | -6.64 | 84.68 | | | | | | |
| 3 | 4888.151 | 53.93 | -1.33 | 52.60 | 74.00 | -21.40 | peak | | | |
| 4 | 11044.129 | 43.35 | 5.55 | 48.90 | 574.00 | -25.10 | peak | | | |

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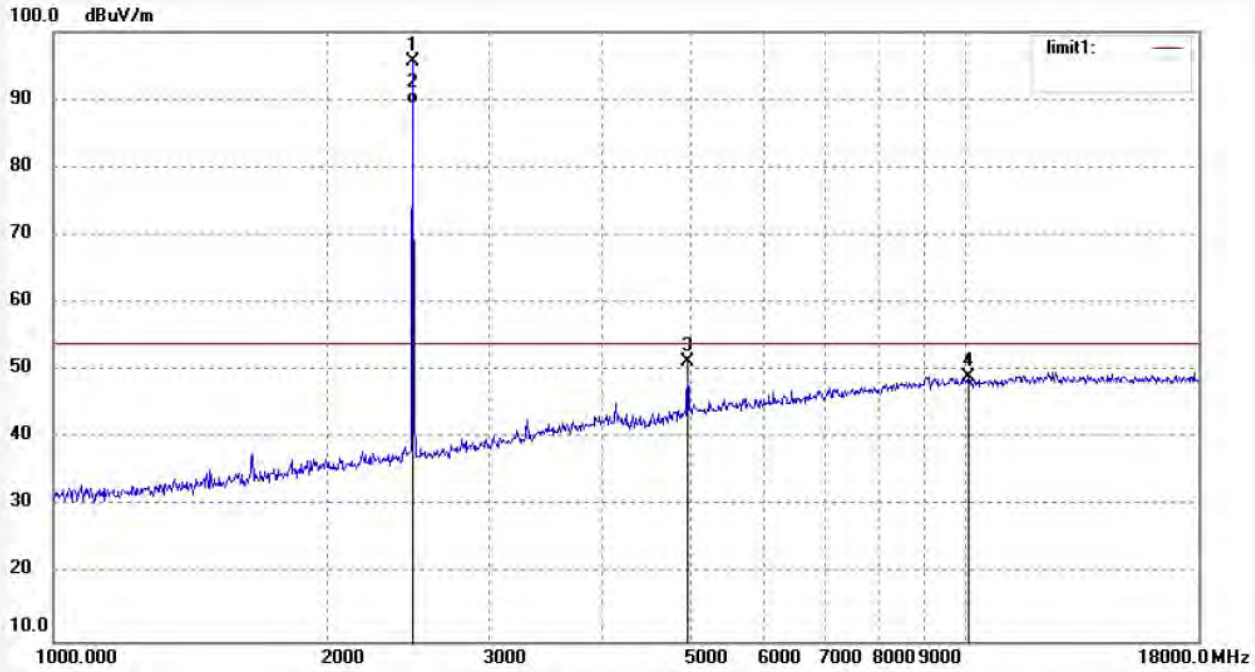
Job No.: alen #3601
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2480MHz
Model: M925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 14/03/28/
Time: 9/47/56
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2480.310 | 102.10 | -6.56 | 95.54 | | | | | | |
| 2 | 2480.310 | 95.87 | -6.56 | 89.31 | | | | | | |
| 3 | 4959.307 | 52.37 | -1.12 | 51.25 | 74.00 | -22.75 | peak | | | |
| 4 | 10068.453 | 43.74 | 5.36 | 49.10 | 74.00 | -24.90 | peak | | | |

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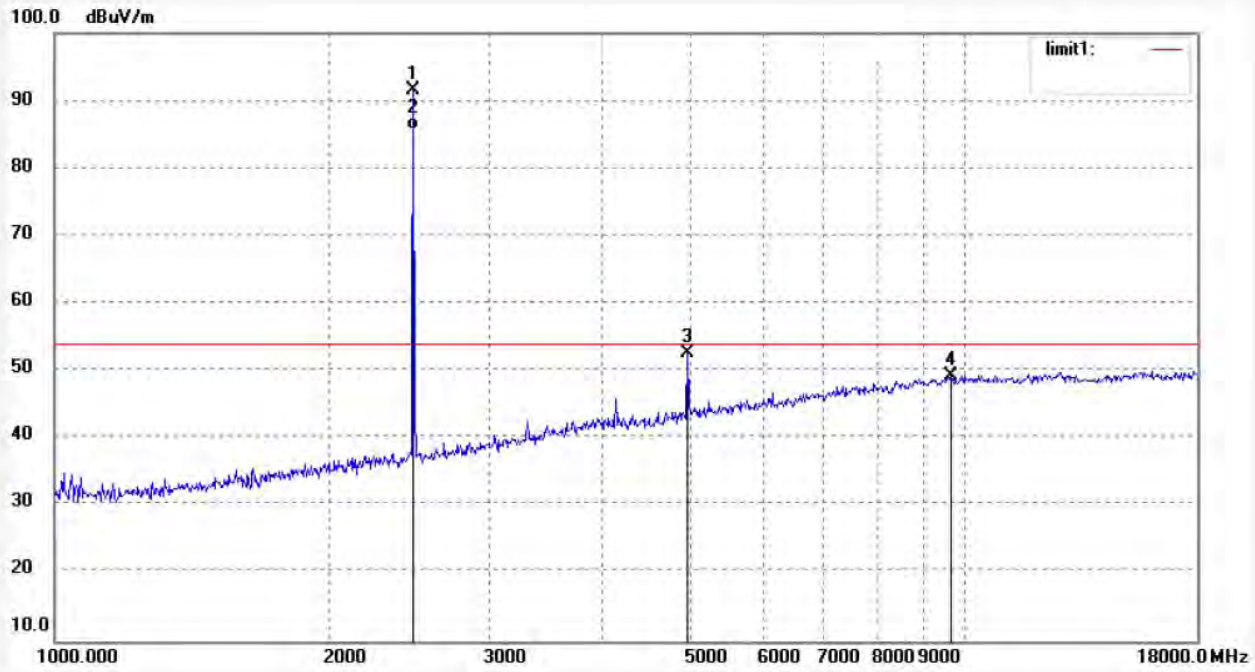
Job No.: alen #3600
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2480MHz
Model: M925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 14/03/28/
Time: 9/46/14
Engineer Signature:
Distance: 3m

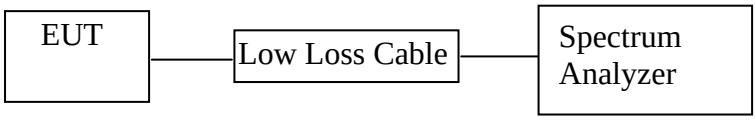
Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2480.310 | 98.23 | -6.56 | 91.67 | | | | | | |
| 2 | 2480.310 | 92.24 | -6.56 | 85.68 | | | | | | |
| 3 | 4959.307 | 53.87 | -1.12 | 52.75 | 74.00 | -21.25 | peak | | | |
| 4 | 9669.164 | 44.24 | 4.97 | 49.21 | 74.00 | -24.79 | peak | | | |

# 11.BAND EDGE COMPLIANCE TEST

## 11.1.Block Diagram of Test Setup




(EUT: Bluetooth Mouse)

## 11.2.The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

## 11.3.EUT Configuration on Measurement

The equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

## 11.4.Operating Condition of EUT

11.4.1.Setup the EUT and simulator as shown as Section 11.1.

11.4.2.Turn on the power of all equipment.

11.4.3.Let the EUT work in TX (Hopping off, Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2480MHz TX frequency to transmit.

## 11.5.Test Procedure

11.5.1.The transmitter output was connected to the spectrum analyzer via a low loss cable.

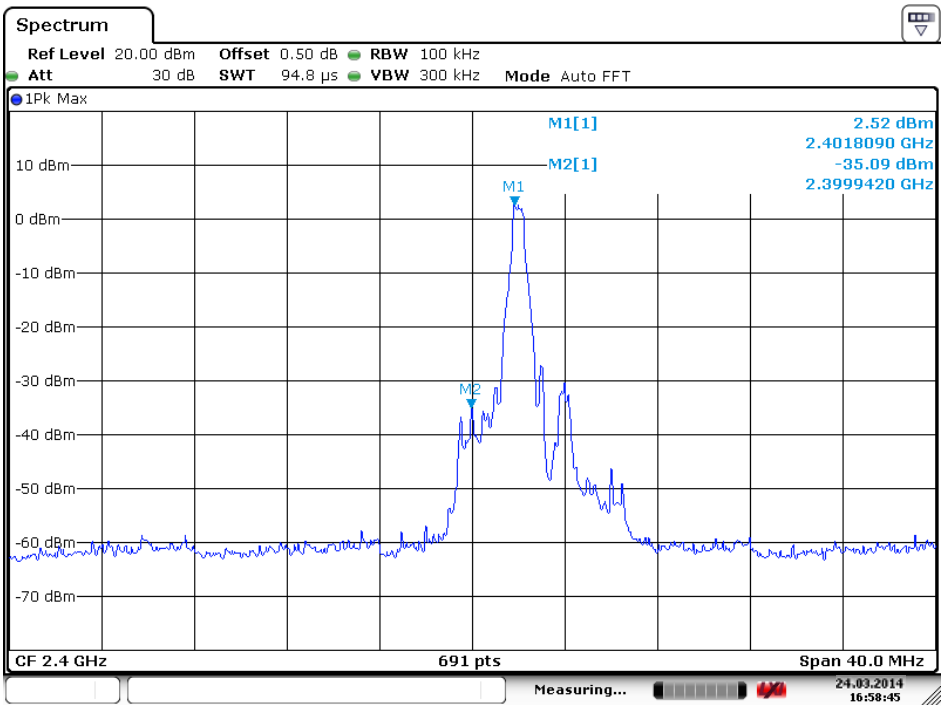
11.5.2.Set RBW of spectrum analyzer to 100 kHz and VBW to 300 kHz with convenient frequency span including 100 kHz bandwidth from band edge.

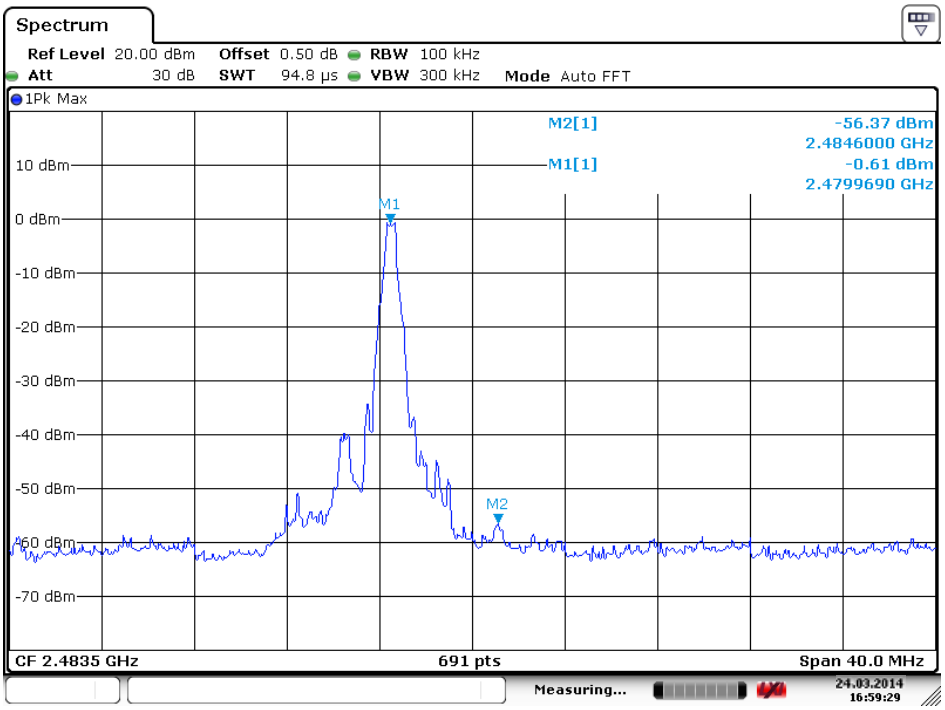
11.5.3.The band edges was measured and recorded.

## 11.6.Test Result

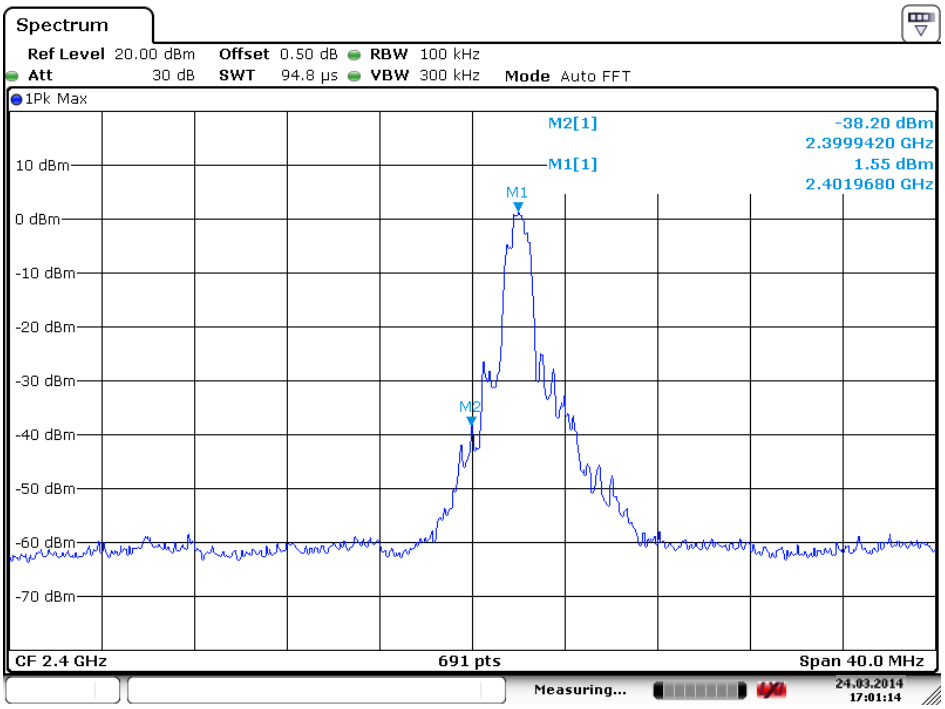
| Frequency (MHz) | Result of Band Edge (dBc) | Limit of Band Edge (dBc) |
|---|---|---|
| GFSK | | |
| 2399.942 | 37.61 | > 20dBc |
| 2484.600 | 55.76 | > 20dBc |
| Π/4-DQPSK Mode | | |
| 2399.520 | 39.75 | > 20dBc |
| 2490.400 | 55.79 | > 20dBc |
| 8DPSK | | |
| 2398.920 | 39.62 | > 20dBc |
| 2485.300 | 55.29 | > 20dBc |

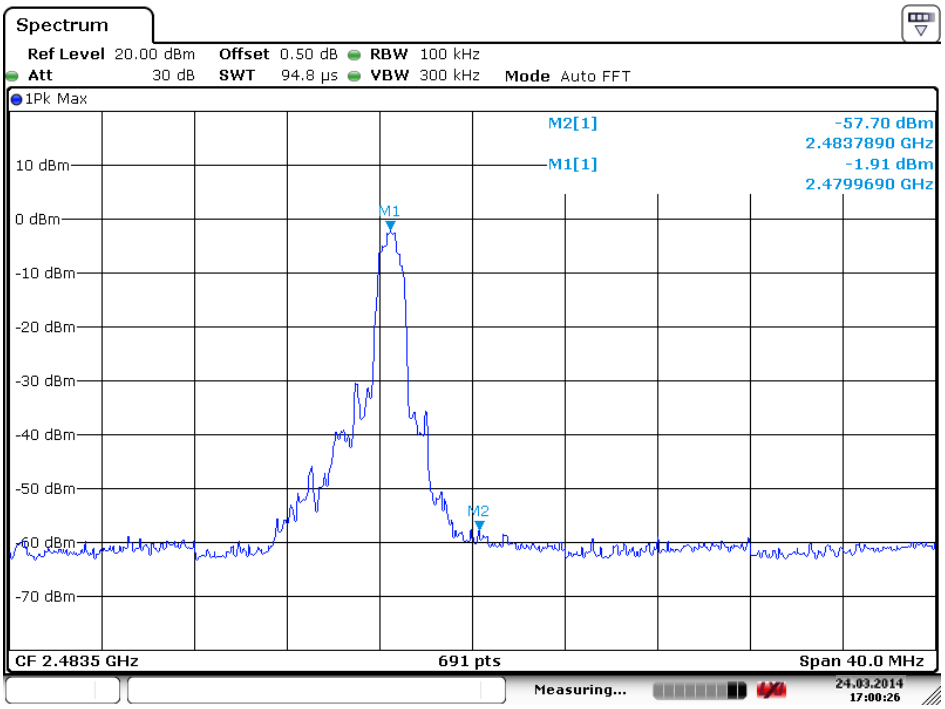
GFSK


Spectrum
Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz
Att 30 dB SWT 94.8 µs VBW 300 kHz Mode Auto FFT
1Pk Max
M1[1] 2.52 dBm
2.4018090 GHz
M2[1] -35.09 dBm
2.3999420 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 2.4 GHz
691 pts
Span 40.0 MHz
Measuring...
24.03.2014
16:58:45

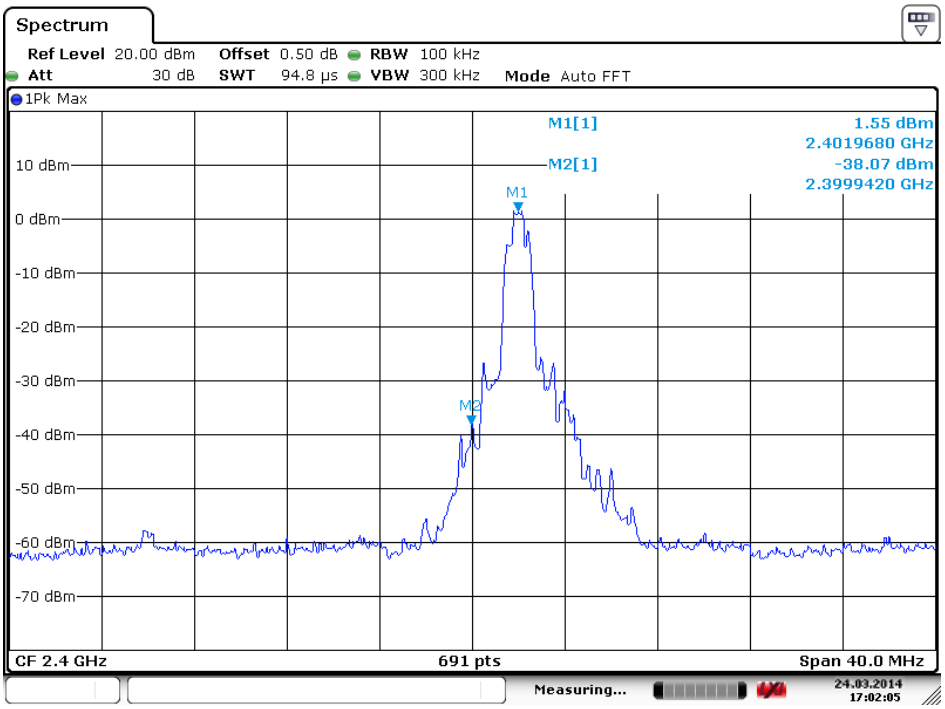

Spectrum
Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz
Att 30 dB SWT 94.8 µs VBW 300 kHz Mode Auto FFT
1Pk Max
M2[1] -56.37 dBm
2.4846000 GHz
M1[1] -0.61 dBm
2.4799690 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 2.4835 GHz
691 pts
Span 40.0 MHz
Measuring...
24.03.2014
16:59:29

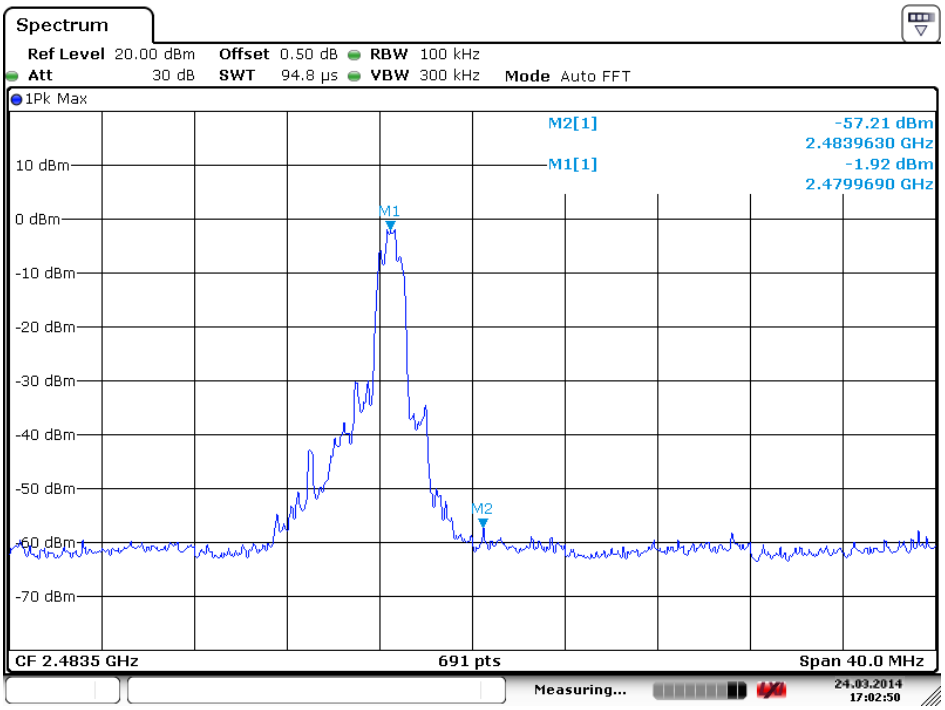
# Π/4-DQPSK Mode



8DPSK


Spectrum
Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz
Att 30 dB SWT 94.8 µs VBW 300 kHz Mode Auto FFT
1Pk Max
M1[1] 1.55 dBm
2.4019680 GHz
M2[1] -38.07 dBm
2.3999420 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 2.4 GHz
691 pts
Span 40.0 MHz
Measuring...
24.03.2014
17:02:05


Spectrum
Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz
Att 30 dB SWT 94.8 µs VBW 300 kHz Mode Auto FFT
1Pk Max
M2[1] -57.21 dBm
2.4839630 GHz
M1[1] -1.92 dBm
2.4799690 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
CF 2.4835 GHz
691 pts
Span 40.0 MHz
Measuring...
24.03.2014
17:02:50

## Radiated Band Edge Result

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

   Result = Reading + Corrected Factor
3. Display the measurement of peak values.

**Non-hopping mode**

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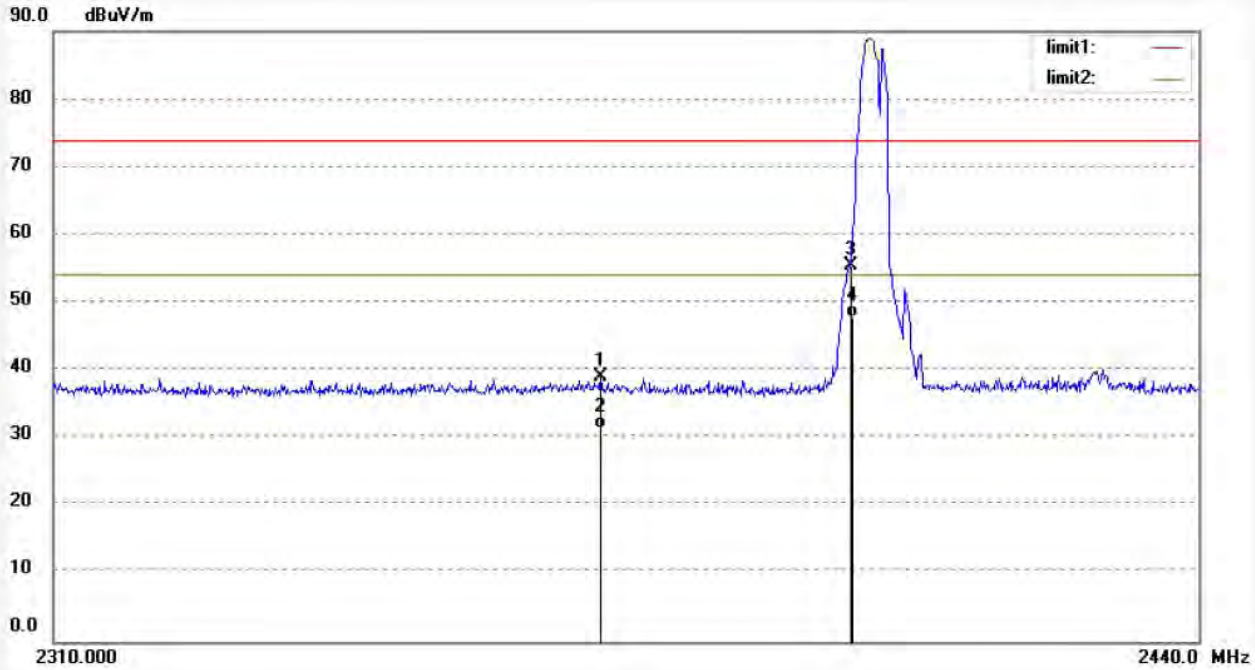
Fax:+86-0755-26503396

| | |
|---|---|
| Job No.: alen #3605 | Polarization: Horizontal |
| Standard: FCC PK | Power Source: DC 3V |
| Test item: Radiation Test | Date: 14/03/28/ |
| Temp.( C)/Hum.(%) 25 C / 55 % | Time: 9/55/03 |
| EUT: Bluetooth mouse | Engineer Signature: |
| Mode: TX 2402MHz(GFSK) | Distance: 3m |
| Model: M925BT | |
| Manufacturer: MAXIN | |

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2371.360 | 45.78 | -6.82 | 38.96 | 74.00 | -35.04 | peak | | | |
| 2 | 2371.360 | 38.24 | -6.82 | 31.42 | 54.00 | -22.58 | AVG | | | |
| 3 | 2400.000 | 62.19 | -6.76 | 55.43 | 74.00 | -18.57 | peak | | | |
| 4 | 2400.000 | 54.57 | -6.76 | 47.81 | 54.00 | -6.19 | AVG | | | |

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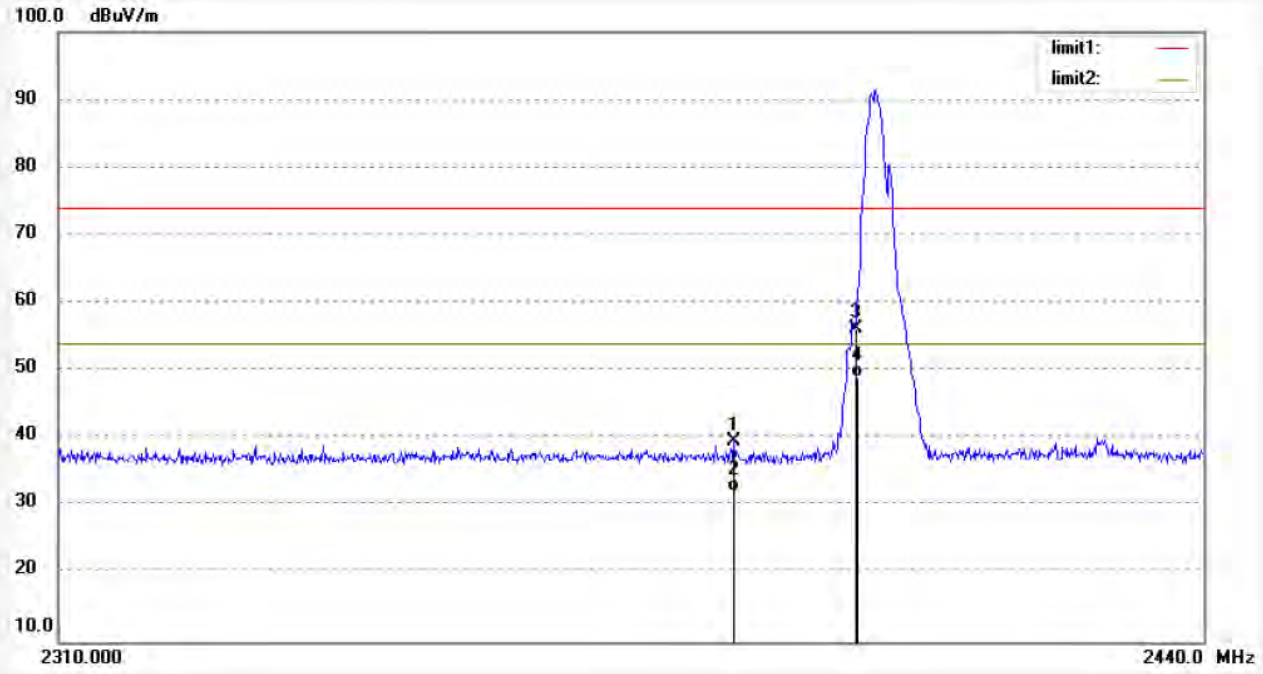
Fax:+86-0755-26503396

Job No.: alen #3604
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2402MHz(GFSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 14/03/28/
Time: 9/53/59
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2385.920 | 46.35 | -6.80 | 39.55 | 74.00 | -34.45 | peak | | | |
| 2 | 2385.920 | 38.87 | -6.80 | 32.07 | 54.00 | -21.93 | AVG | | | |
| 3 | 2400.000 | 63.08 | -6.76 | 56.32 | 74.00 | -17.68 | peak | | | |
| 4 | 2400.000 | 55.78 | -6.76 | 49.02 | 54.00 | -4.98 | AVG | | | |

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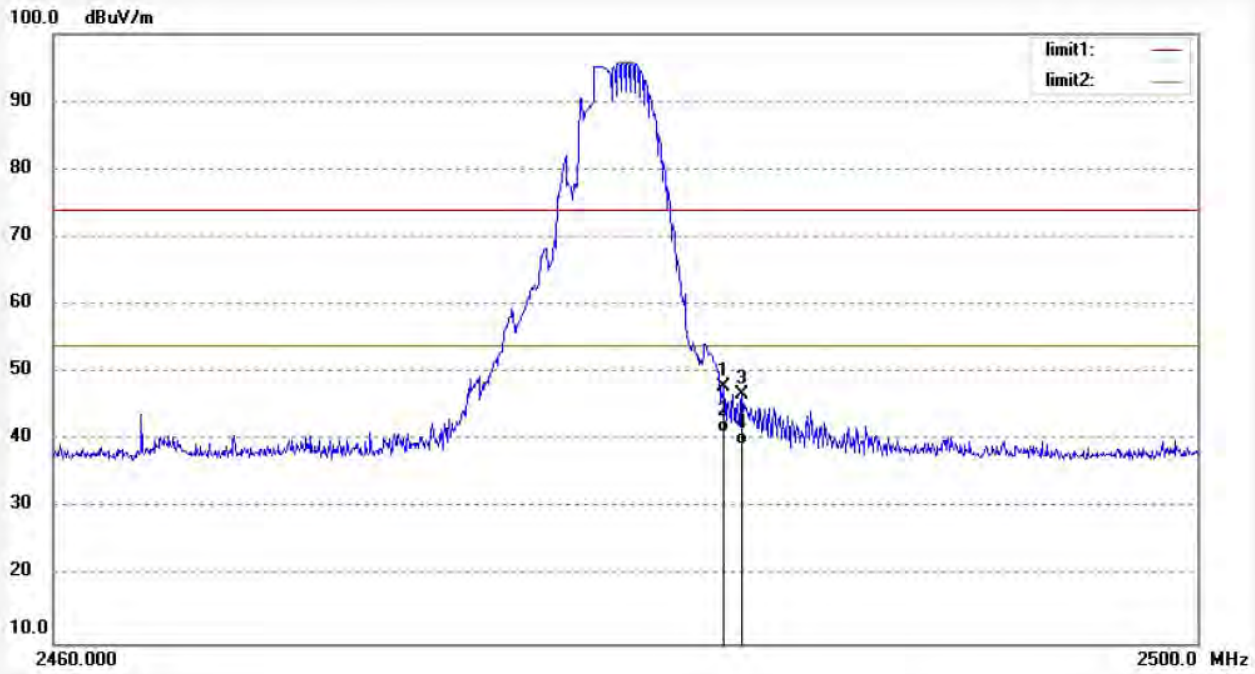
Fax:+86-0755-26503396

Job No.: alen #3602
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2480MHz(GFSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 14/03/28/
Time: 9/50/41
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.500 | 54.49 | -6.54 | 47.95 | 74.00 | -26.05 | peak | | | |
| 2 | 2483.500 | 47.68 | -6.54 | 41.14 | 54.00 | -12.86 | AVG | | | |
| 3 | 2484.040 | 53.28 | -6.54 | 46.74 | 74.00 | -27.26 | peak | | | |
| 4 | 2484.040 | 46.01 | -6.54 | 39.47 | 54.00 | -14.53 | AVG | | | |

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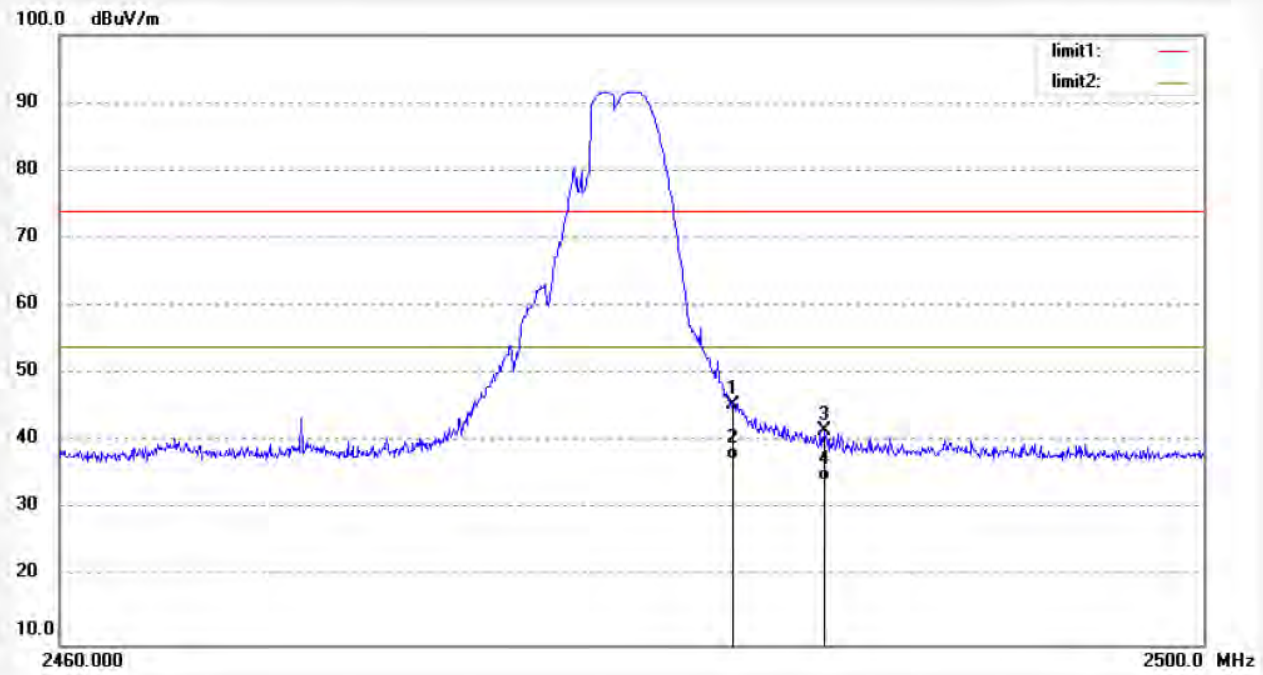
Fax:+86-0755-26503396

Job No.: alen #3603
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2480MHz(GFSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 14/03/28/
Time: 9/52/11
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.500 | 51.98 | -6.54 | 45.44 | 74.00 | -28.56 | peak | | | |
| 2 | 2483.500 | 43.89 | -6.54 | 37.35 | 54.00 | -16.65 | AVG | | | |
| 3 | 2486.720 | 48.23 | -6.53 | 41.70 | 74.00 | -32.30 | peak | | | |
| 4 | 2486.720 | 40.68 | -6.53 | 34.15 | 54.00 | -19.85 | AVG | | | |

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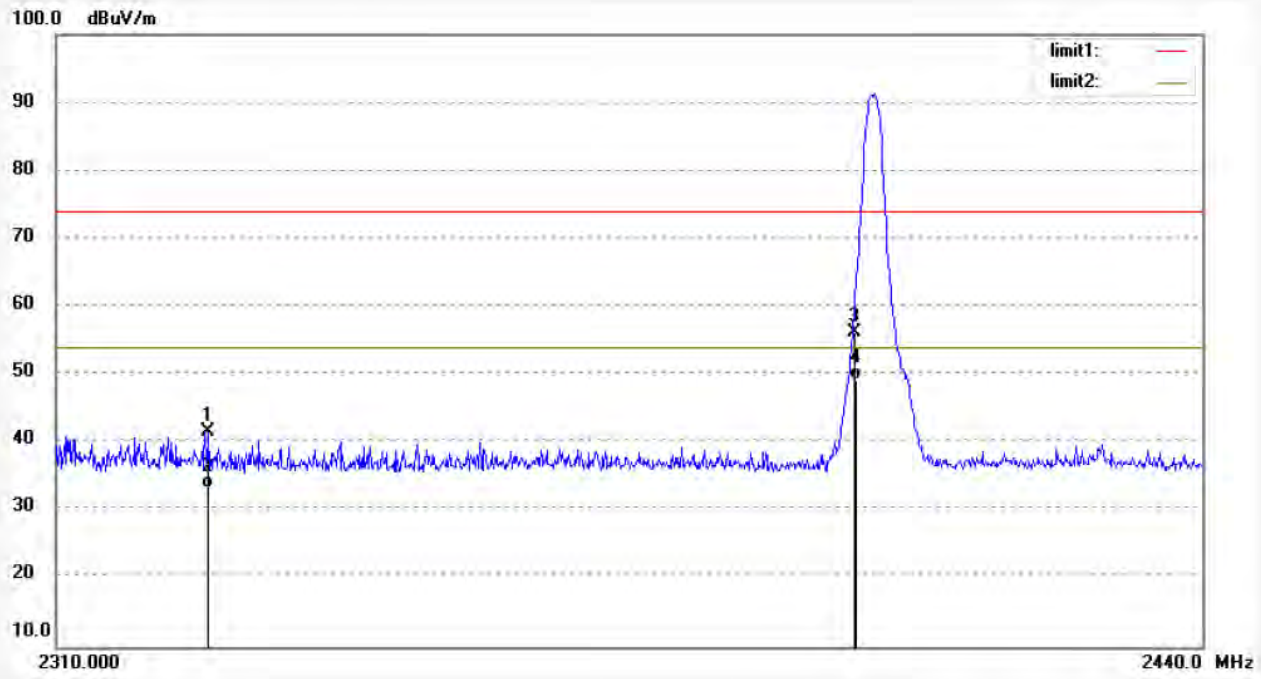
Fax:+86-0755-26503396

Job No.: alen #3626
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2402MHz(pi/4DQPSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 14/03/28/
Time: 9/05/12
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2326.900 | 48.65 | -6.95 | 41.70 | 74.00 | -32.30 | peak | | | |
| 2 | 2326.900 | 40.35 | -6.95 | 33.40 | 54.00 | -20.60 | AVG | | | |
| 3 | 2400.000 | 63.01 | -6.76 | 56.25 | 74.00 | -17.75 | peak | | | |
| 4 | 2400.000 | 56.10 | -6.76 | 49.34 | 54.00 | -4.66 | AVG | | | |

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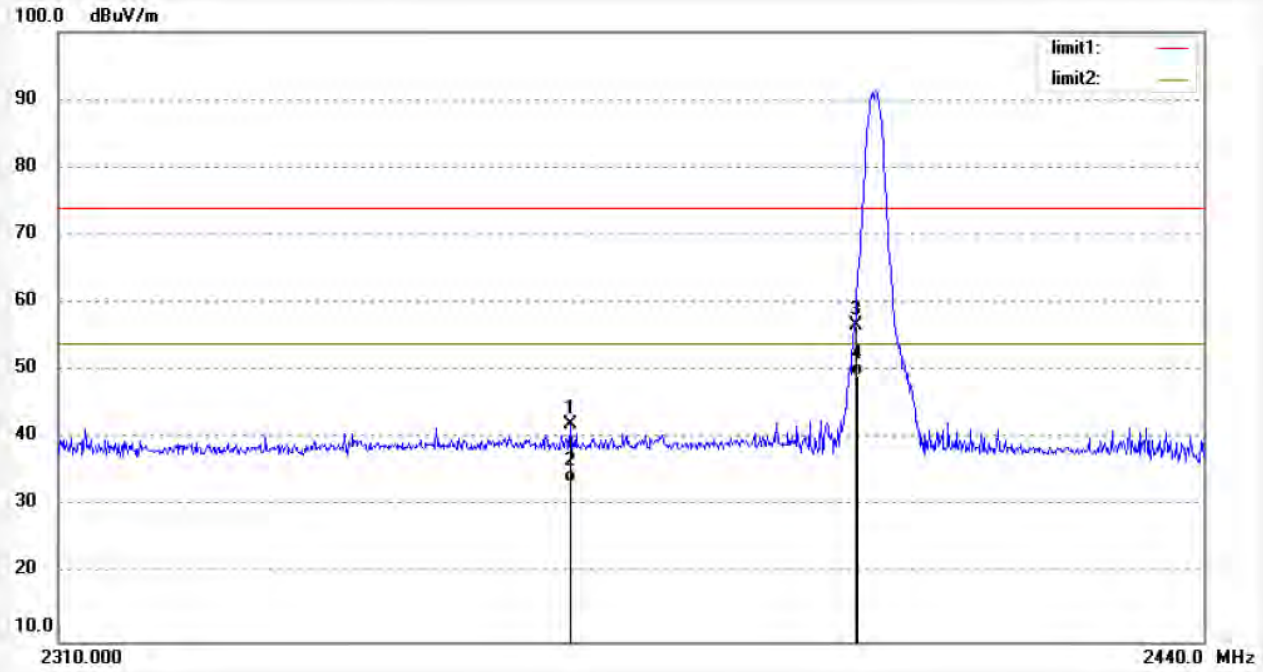
Fax:+86-0755-26503396

Job No.: alen #3625
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2402MHz(pi/4DQPSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 14/03/28/
Time: 9/04/05
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2367.330 | 48.78 | -6.83 | 41.95 | 74.00 | -32.05 | peak | | | |
| 2 | 2367.330 | 40.35 | -6.83 | 33.52 | 54.00 | -20.48 | AVG | | | |
| 3 | 2400.000 | 63.47 | -6.76 | 56.71 | 74.00 | -17.29 | peak | | | |
| 4 | 2400.000 | 56.10 | -6.76 | 49.34 | 54.00 | -4.66 | AVG | | | |

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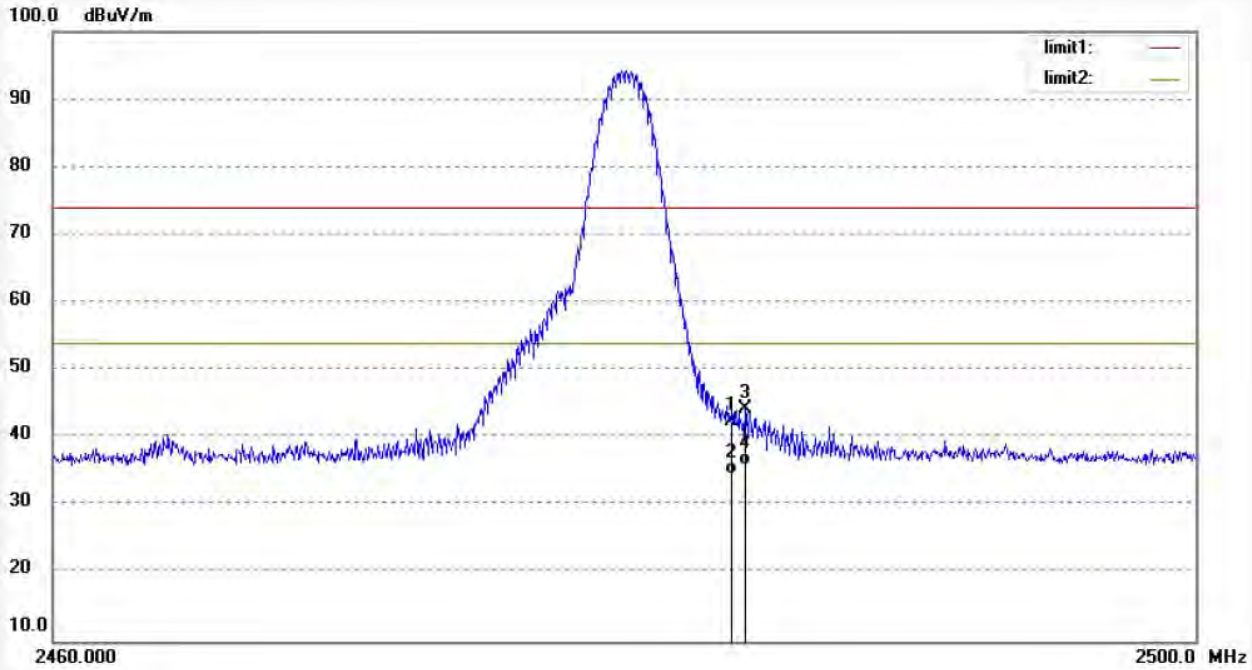
Fax:+86-0755-26503396

Job No.: alen #3627
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2480MHz(pi/4DQPSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 14/03/28/
Time: 9/06/39
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.500 | 49.08 | -6.54 | 42.54 | 74.00 | -31.46 | peak | | | |
| 2 | 2483.500 | 41.24 | -6.54 | 34.70 | 54.00 | -19.30 | AVG | | | |
| 3 | 2484.200 | 50.89 | -6.54 | 44.35 | 74.00 | -29.65 | peak | | | |
| 4 | 2484.200 | 42.56 | -6.54 | 36.02 | 54.00 | -17.98 | AVG | | | |

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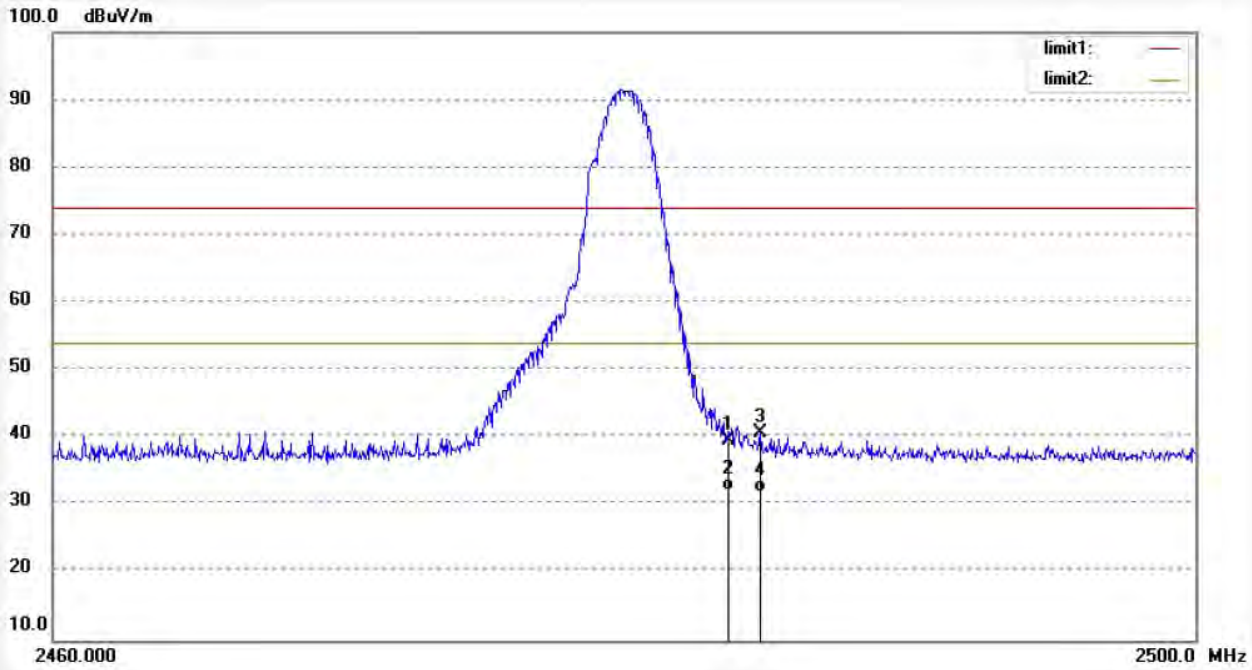
Fax:+86-0755-26503396

Job No.: alen #3628
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2480MHz(pi/4DQPSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 14/03/28/
Time: 9/08/06
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.500 | 46.15 | -6.54 | 39.61 | 74.00 | -34.39 | peak | | | |
| 2 | 2483.500 | 38.78 | -6.54 | 32.24 | 54.00 | -21.76 | AVG | | | |
| 3 | 2484.720 | 47.16 | -6.54 | 40.62 | 74.00 | -33.38 | peak | | | |
| 4 | 2484.720 | 38.54 | -6.54 | 32.00 | 54.00 | -22.00 | AVG | | | |

ACCURATE TECHNOLOGY CO., LTD.
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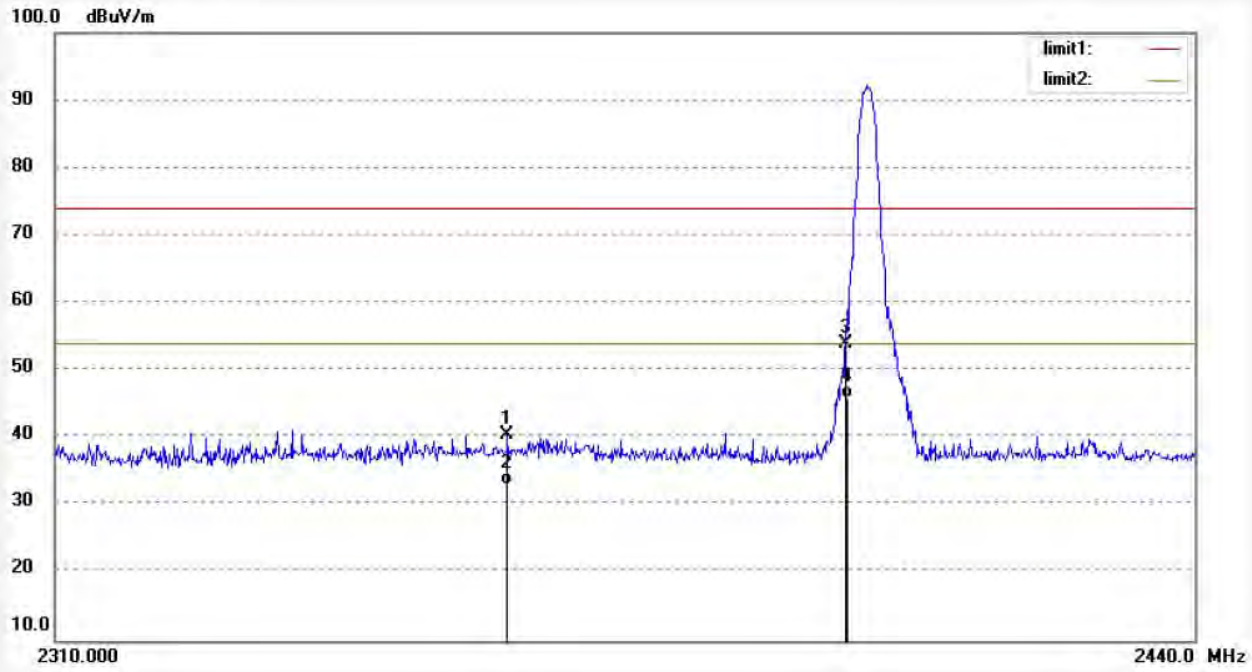
Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: alen #3618
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2402MHz(8DPSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 14/03/28/
Time: 8/43/01
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2360.830 | 47.36 | -6.86 | 40.50 | 74.00 | -33.50 | peak | | | |
| 2 | 2360.830 | 40.01 | -6.86 | 33.15 | 54.00 | -20.85 | AVG | | | |
| 3 | 2400.000 | 60.73 | -6.76 | 53.97 | 74.00 | -20.03 | peak | | | |
| 4 | 2400.000 | 52.54 | -6.76 | 45.78 | 54.00 | -8.22 | AVG | | | |

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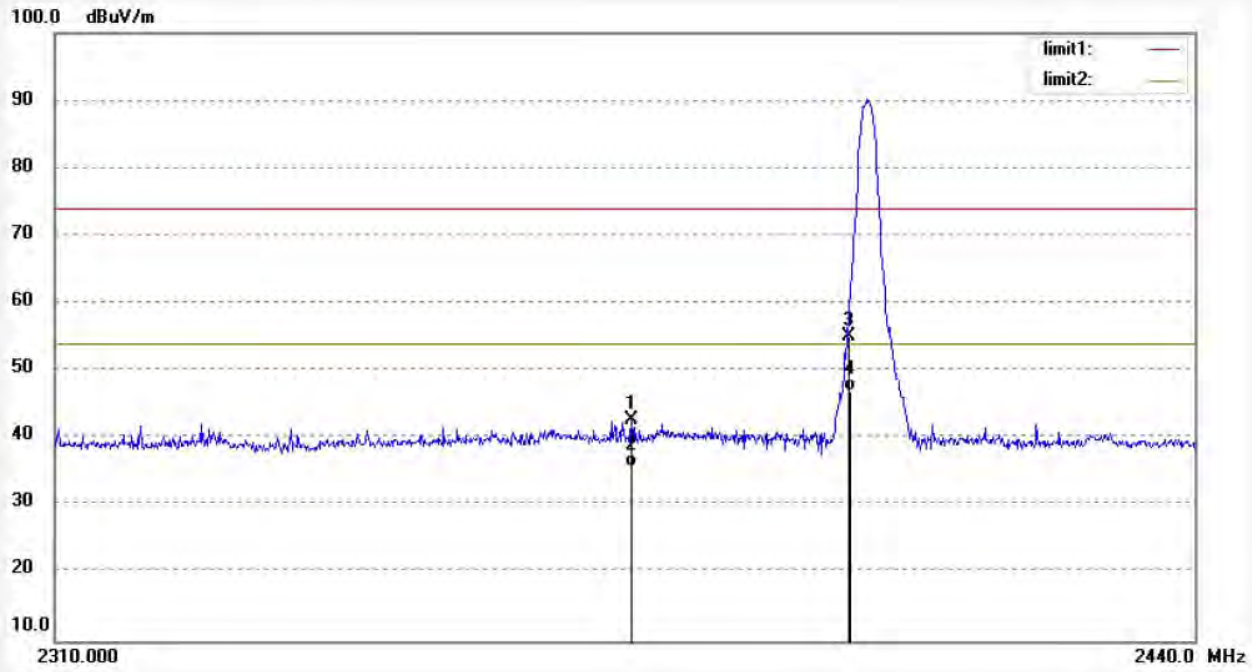
Job No.: alen #3617
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2402MHz(8DPSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 14/03/28/
Time: 8/41/27
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2375.000 | 49.62 | -6.83 | 42.79 | 74.00 | -31.21 | peak | | | |
| 2 | 2375.000 | 42.51 | -6.83 | 35.68 | 54.00 | -18.32 | AVG | | | |
| 3 | 2400.000 | 61.78 | -6.76 | 55.02 | 74.00 | -18.98 | peak | | | |
| 4 | 2400.000 | 53.87 | -6.76 | 47.11 | 54.00 | -6.89 | AVG | | | |

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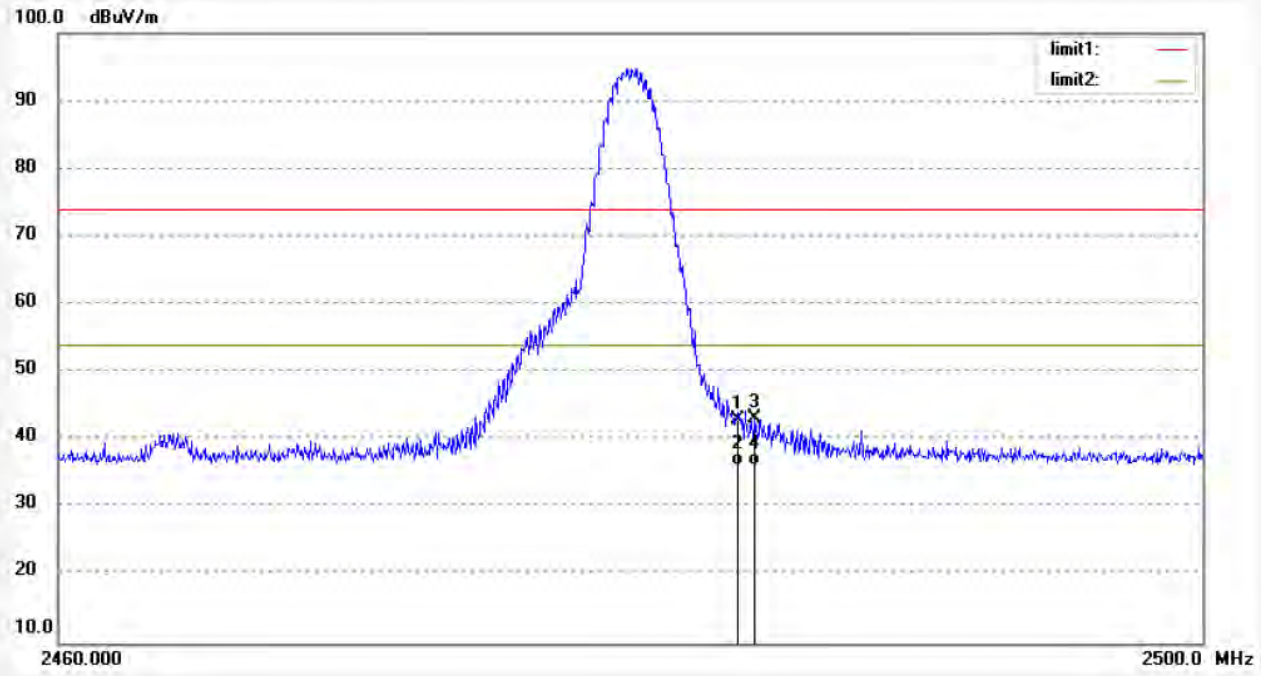
Fax:+86-0755-26503396

Job No.: alen #3619
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2480MHz(8DPSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 14/03/28/
Time: 8/44/57
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.500 | 49.59 | -6.54 | 43.05 | 74.00 | -30.95 | peak | | | |
| 2 | 2483.500 | 42.65 | -6.54 | 36.11 | 54.00 | -17.89 | AVG | | | |
| 3 | 2484.320 | 49.68 | -6.54 | 43.14 | 74.00 | -30.86 | peak | | | |
| 4 | 2484.320 | 42.74 | -6.54 | 36.20 | 54.00 | -17.80 | AVG | | | |

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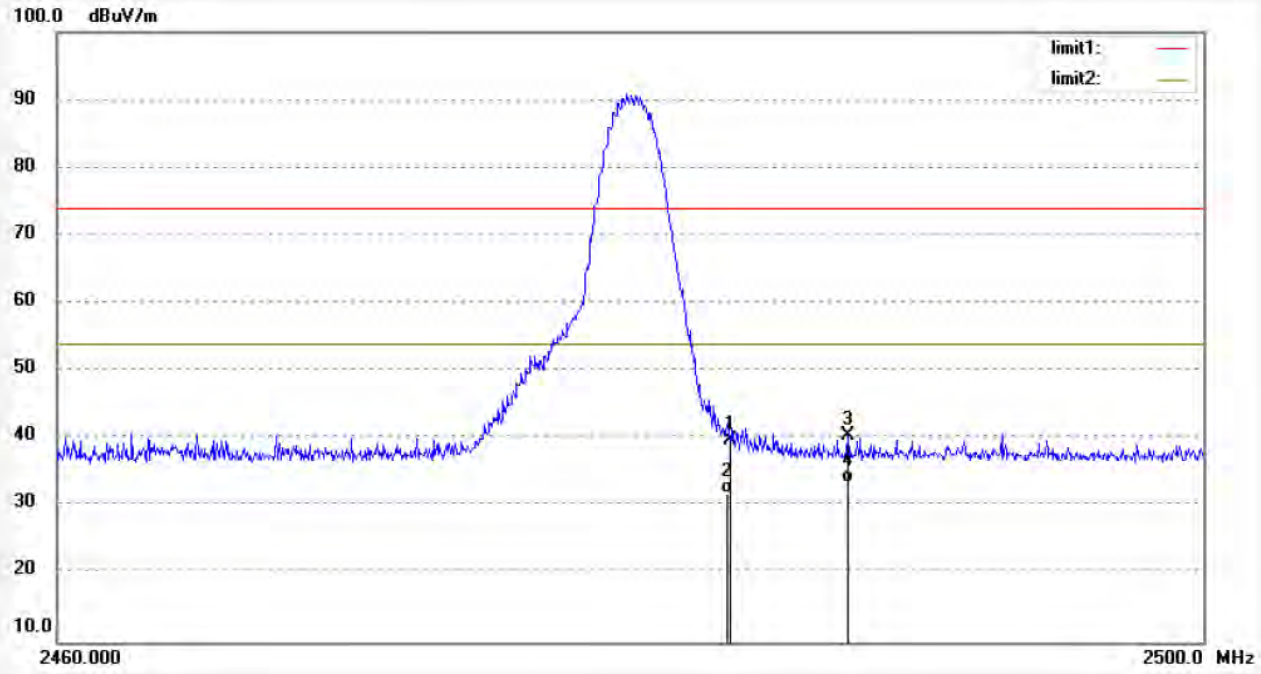
Job No.: alen #3620
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX 2480MHz(8DPSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 14/03/28/
Time: 8/46/20
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2483.500 | 46.27 | -6.54 | 39.73 | 74.00 | -34.27 | peak | | | |
| 2 | 2483.500 | 38.54 | -6.54 | 32.00 | 54.00 | -22.00 | AVG | | | |
| 3 | 2487.560 | 47.11 | -6.52 | 40.59 | 74.00 | -33.41 | peak | | | |
| 4 | 2487.560 | 39.98 | -6.52 | 33.46 | 54.00 | -20.54 | AVG | | | |

**Hopping mode**

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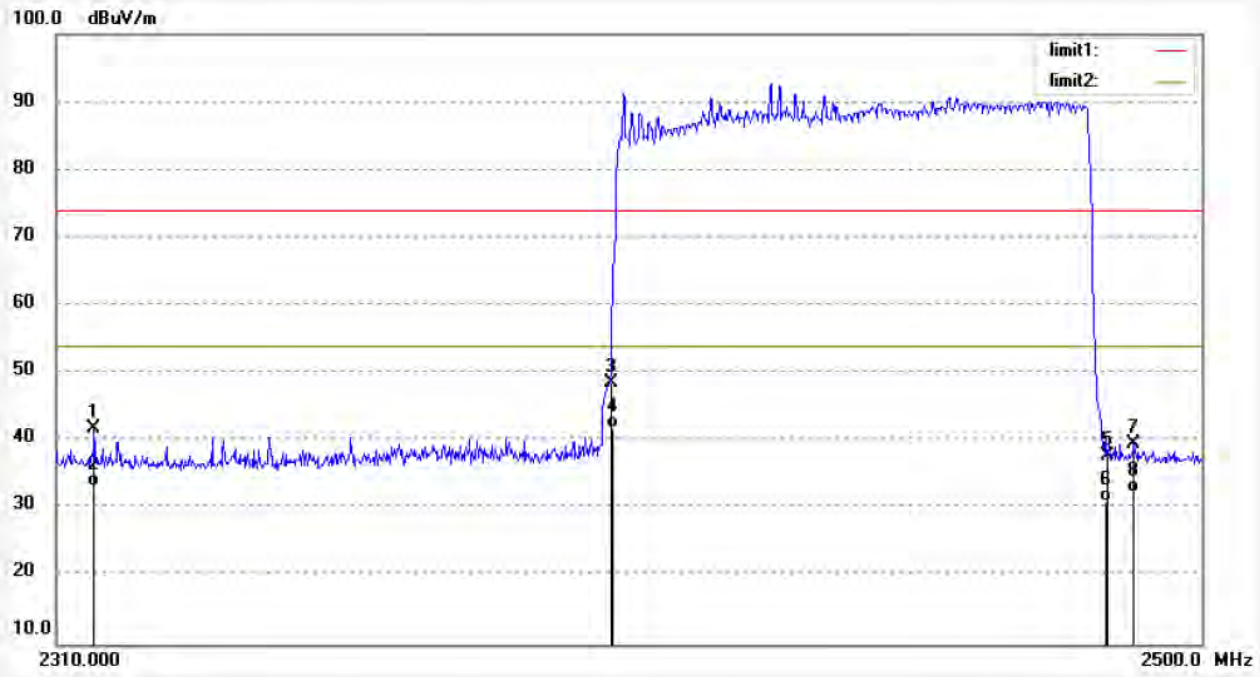
Fax:+86-0755-26503396

Job No.: alen #3608
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX(GFSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 14/03/28/
Time: 15/38/05
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2316.080 | 48.79 | -6.97 | 41.82 | 74.00 | -32.18 | peak | | | |
| 2 | 2316.080 | 40.35 | -6.97 | 33.38 | 54.00 | -20.62 | AVG | | | |
| 3 | 2400.000 | 55.37 | -6.76 | 48.61 | 74.00 | -25.39 | peak | | | |
| 4 | 2400.000 | 48.65 | -6.76 | 41.89 | 54.00 | -12.11 | AVG | | | |
| 5 | 2483.660 | 44.29 | -6.54 | 37.75 | 74.00 | -36.25 | peak | | | |
| 6 | 2483.660 | 37.65 | -6.54 | 31.11 | 54.00 | -22.89 | AVG | | | |
| 7 | 2488.500 | 46.03 | -6.52 | 39.51 | 74.00 | -34.49 | peak | | | |
| 8 | 2488.500 | 38.87 | -6.52 | 32.35 | 54.00 | -21.65 | AVG | | | |

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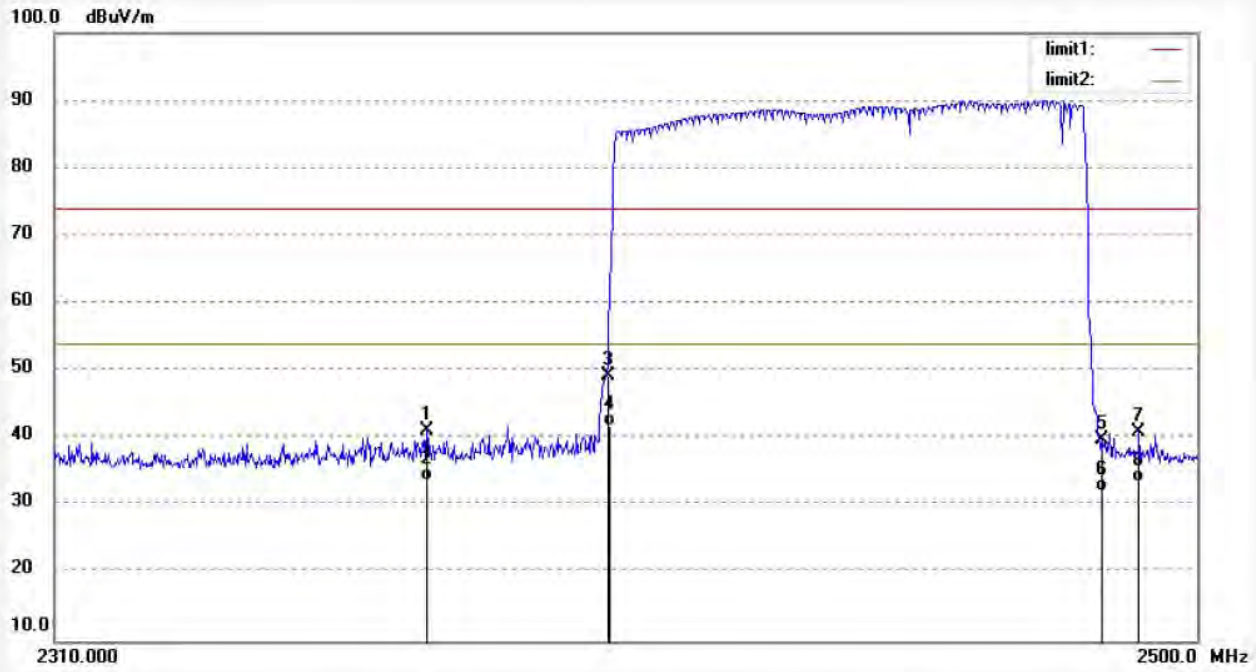
Job No.: alen #3607
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX(GFSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 14/03/28/
Time: 15/33/06
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2370.420 | 47.96 | -6.83 | 41.13 | 74.00 | -32.87 | peak | | | |
| 2 | 2370.420 | 40.57 | -6.83 | 33.74 | 54.00 | -20.26 | AVG | | | |
| 3 | 2400.000 | 56.11 | -6.76 | 49.35 | 74.00 | -24.65 | peak | | | |
| 4 | 2400.000 | 48.68 | -6.76 | 41.92 | 54.00 | -12.08 | AVG | | | |
| 5 | 2483.500 | 46.40 | -6.54 | 39.86 | 74.00 | -34.14 | peak | | | |
| 6 | 2483.500 | 38.78 | -6.54 | 32.24 | 54.00 | -21.76 | AVG | | | |
| 7 | 2490.120 | 47.55 | -6.52 | 41.03 | 74.00 | -32.97 | peak | | | |
| 8 | 2490.120 | 40.12 | -6.52 | 33.60 | 54.00 | -20.40 | AVG | | | |

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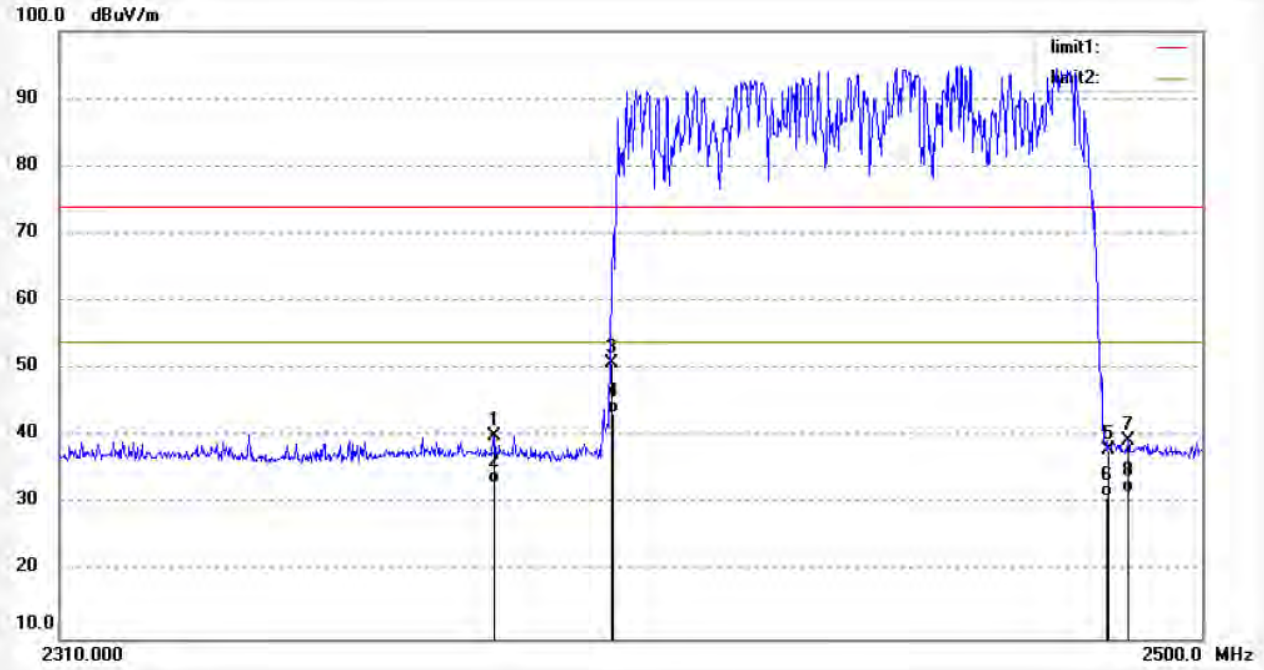
Fax:+86-0755-26503396

Job No.: alen #3623
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX(pi/4DQPSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 14/03/28/
Time: 8/59/45
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2380.680 | 46.89 | -6.81 | 40.08 | 74.00 | -33.92 | peak | | | |
| 2 | 2380.680 | 39.87 | -6.81 | 33.06 | 54.00 | -20.94 | AVG | | | |
| 3 | 2400.000 | 57.64 | -6.76 | 50.88 | 74.00 | -23.12 | peak | | | |
| 4 | 2400.000 | 50.24 | -6.76 | 43.48 | 54.00 | -10.52 | AVG | | | |
| 5 | 2483.500 | 44.55 | -6.54 | 38.01 | 74.00 | -35.99 | peak | | | |
| 6 | 2483.500 | 37.65 | -6.54 | 31.11 | 54.00 | -22.89 | AVG | | | |
| 7 | 2487.270 | 45.86 | -6.53 | 39.33 | 74.00 | -34.67 | peak | | | |
| 8 | 2487.270 | 38.28 | -6.53 | 31.75 | 54.00 | -22.25 | AVG | | | |

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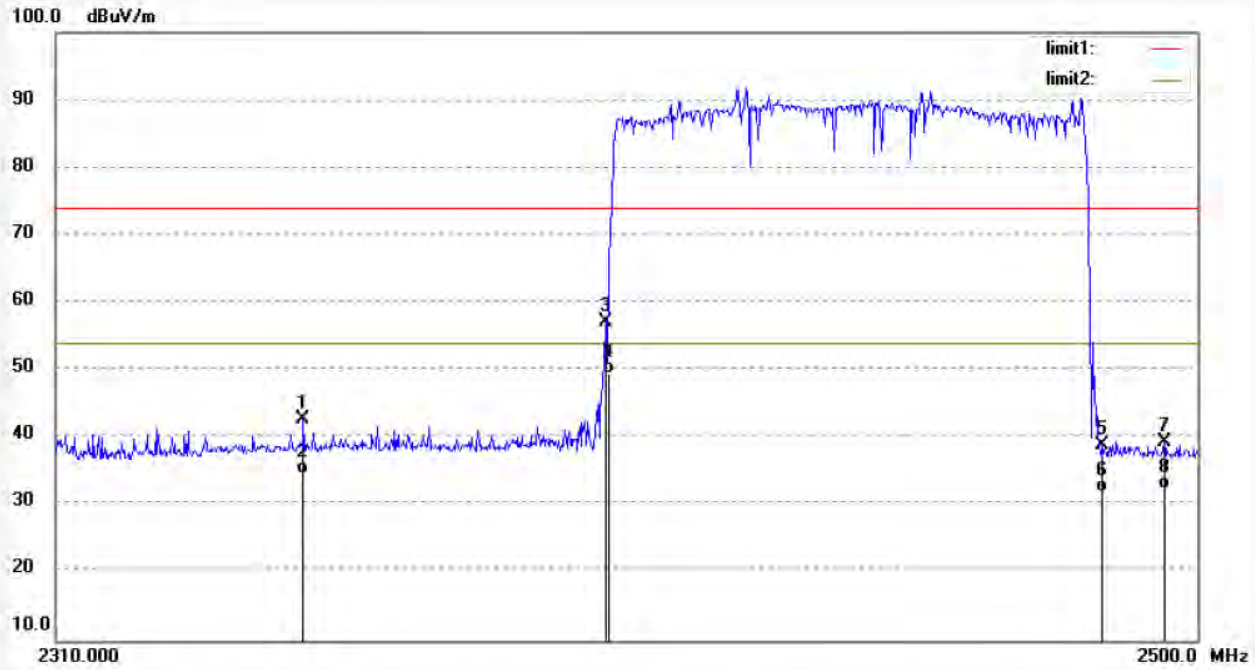
Fax:+86-0755-26503396

Job No.: alen #3624
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX(pi/4DQPSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 14/03/28/
Time: 9/02/36
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2350.090 | 49.72 | -6.89 | 42.83 | 74.00 | -31.17 | peak | | | |
| 2 | 2350.090 | 41.58 | -6.89 | 34.69 | 54.00 | -19.31 | AVG | | | |
| 3 | 2400.000 | 63.97 | -6.76 | 57.21 | 74.00 | -16.79 | peak | | | |
| 4 | 2400.000 | 56.21 | -6.76 | 49.45 | 54.00 | -4.55 | AVG | | | |
| 5 | 2483.500 | 45.38 | -6.54 | 38.84 | 74.00 | -35.16 | peak | | | |
| 6 | 2483.500 | 38.54 | -6.54 | 32.00 | 54.00 | -22.00 | AVG | | | |
| 7 | 2494.300 | 45.90 | -6.50 | 39.40 | 74.00 | -34.60 | peak | | | |
| 8 | 2494.300 | 38.87 | -6.50 | 32.37 | 54.00 | -21.63 | AVG | | | |

ACCURATE TECHNOLOGY CO., LTD.
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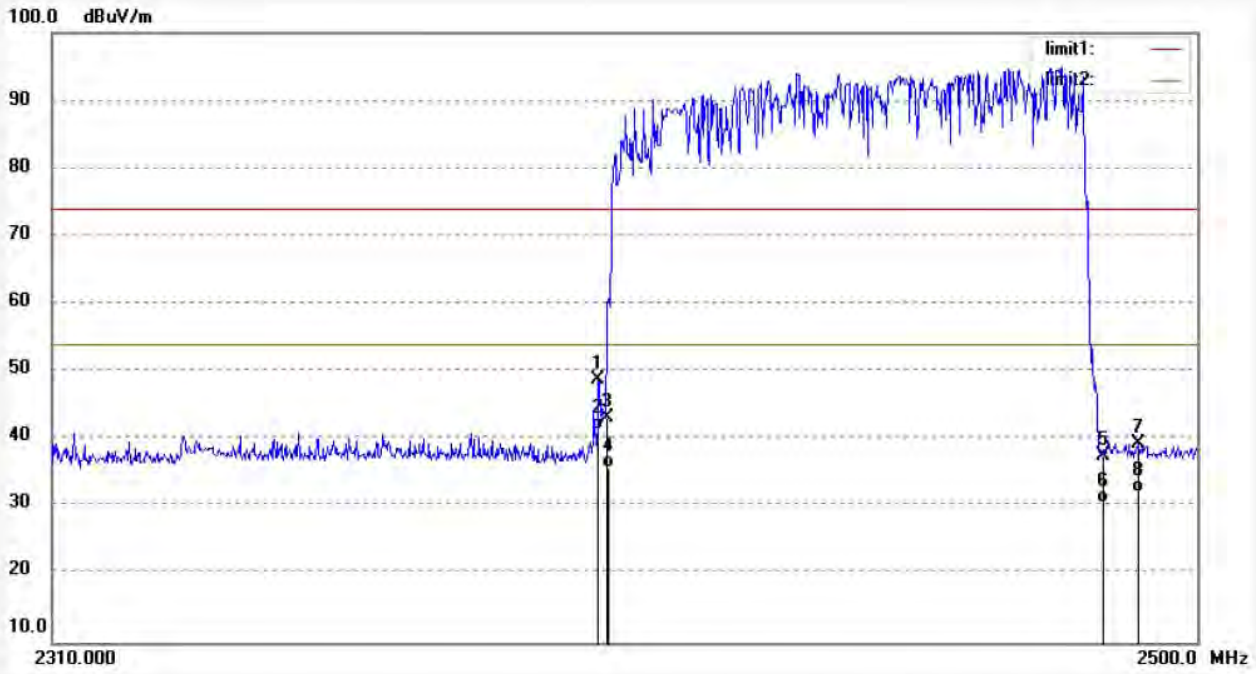
Job No.: alen #3622
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX(8DPSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Horizontal
Power Source: DC 3V
Date: 14/03/28/
Time: 8/55/36
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2398.920 | 55.67 | -6.76 | 48.91 | 74.00 | -25.09 | peak | | | |
| 2 | 2398.920 | 48.21 | -6.76 | 41.45 | 54.00 | -12.55 | AVG | | | |
| 3 | 2400.000 | 49.91 | -6.76 | 43.15 | 74.00 | -30.85 | peak | | | |
| 4 | 2400.000 | 42.57 | -6.76 | 35.81 | 54.00 | -18.19 | AVG | | | |
| 5 | 2483.500 | 44.18 | -6.54 | 37.64 | 74.00 | -36.36 | peak | | | |
| 6 | 2483.500 | 37.17 | -6.54 | 30.63 | 54.00 | -23.37 | AVG | | | |
| 7 | 2490.120 | 45.90 | -6.52 | 39.38 | 74.00 | -34.62 | peak | | | |
| 8 | 2490.120 | 38.78 | -6.52 | 32.26 | 54.00 | -21.74 | AVG | | | |

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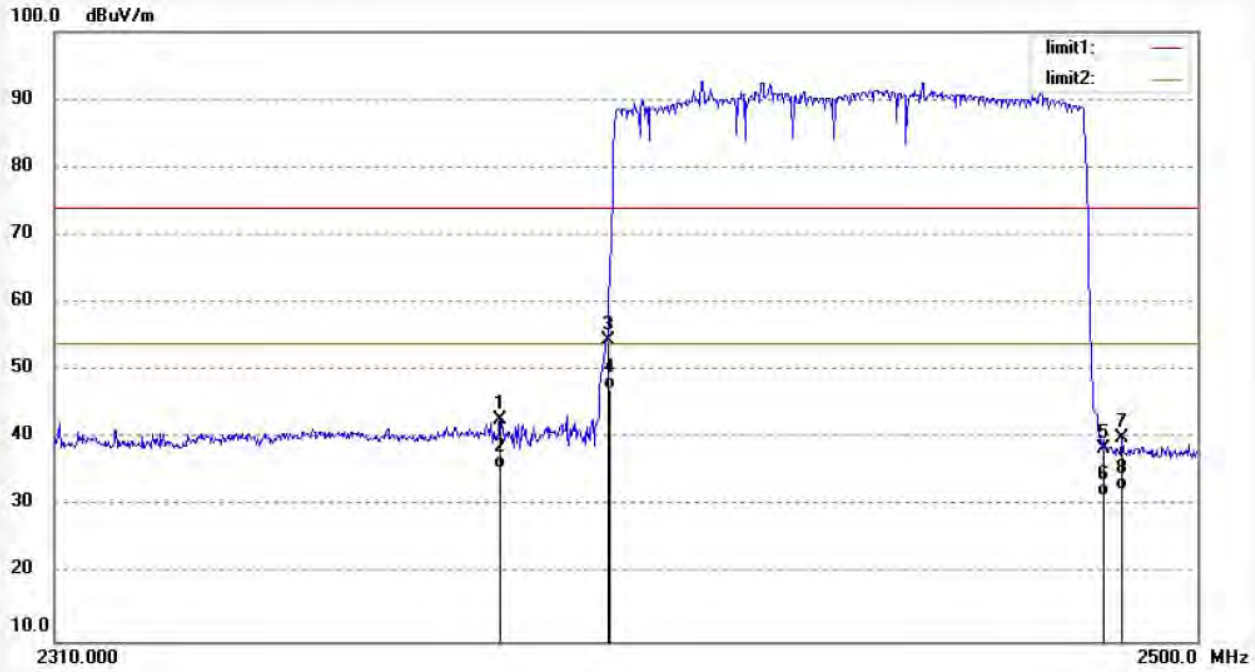
Fax:+86-0755-26503396

Job No.: alen #3621
Standard: FCC PK
Test item: Radiation Test
Temp.( C)/Hum.(%) 25 C / 55 %
EUT: Bluetooth mouse
Mode: TX(8DPSK)
Model: M925BT
Manufacturer: MAXIN

Polarization: Vertical
Power Source: DC 3V
Date: 14/03/28/
Time: 8/50/53
Engineer Signature:
Distance: 3m

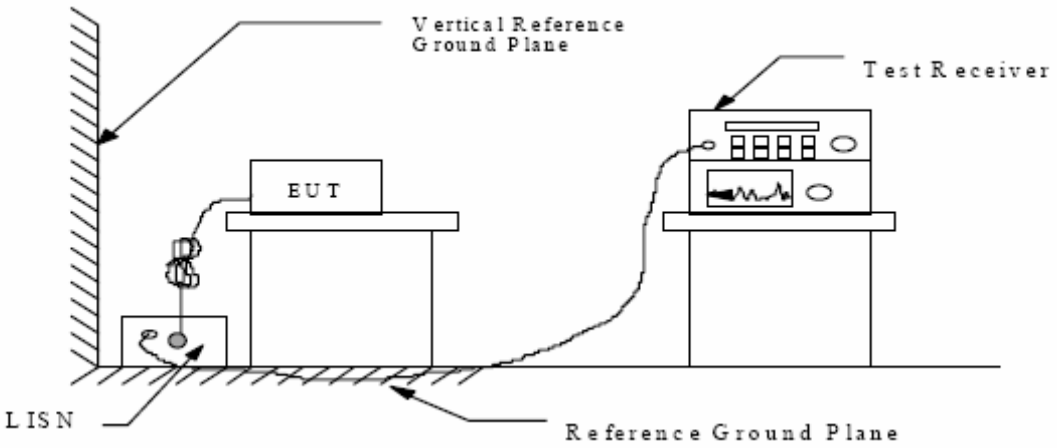
Note: Report No:ATE20140346




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2382.390 | 49.51 | -6.81 | 42.70 | 74.00 | -31.30 | peak | | | |
| 2 | 2382.390 | 42.45 | -6.81 | 35.64 | 54.00 | -18.36 | AVG | | | |
| 3 | 2400.000 | 61.24 | -6.76 | 54.48 | 74.00 | -19.52 | peak | | | |
| 4 | 2400.000 | 54.01 | -6.76 | 47.25 | 54.00 | -6.75 | AVG | | | |
| 5 | 2483.500 | 45.07 | -6.54 | 38.53 | 74.00 | -35.47 | peak | | | |
| 6 | 2483.500 | 38.01 | -6.54 | 31.47 | 54.00 | -22.53 | AVG | | | |
| 7 | 2487.080 | 46.52 | -6.53 | 39.99 | 74.00 | -34.01 | peak | | | |
| 8 | 2487.080 | 38.89 | -6.53 | 32.36 | 54.00 | -21.64 | AVG | | | |

# 12. AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A)

## 12.1. Shielding Room Test Setup Diagram




## 12.2. The Emission Limit

### 12.2.1. Conducted Emission Measurement Limits According to Section 15.207(a)

| Frequency (MHz) | Limit dB(μV) | |
|---|---|---|
| | Quasi-peak Level | Average Level |
| 0.15 - 0.50 | 66.0 – 56.0 * | 56.0 – 46.0 * |
| 0.50 - 5.00 | 56.0 | 46.0 |
| 5.00 - 30.00 | 60.0 | 50.0 |

* Decreases with the logarithm of the frequency.

## 12.3. Power Line Conducted Emission Measurement Results

**Not Compliant**

# 13. ANTENNA REQUIREMENT

## 13.1. The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

## 13.2. Antenna Construction

The antenna is PCB Layout antenna, no consideration of replacement. Therefore, the equipment complies with the antenna requirement of Section 15.203.