



# TEST REPORT

REPORT NUMBER: B16X50165-BT\_Rev1

ON

Type of Equipment: Pad  
Model Name: Ilium Pad T7X  
Manufacturer: Amer Mobile Ltd.,com

## ACCORDING TO

FCC Part 15, Subpart C, 2015:

15.205 Restricted bands of operation, 15.209 Radiated emission limits; general requirements,

15.247 Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz

ANSI C63.4-2014, Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

ANSI C63.10-2013: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

FCC Public Notice DA 00-705, March-2000, Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems

China Telecommunication Technology Labs.

*Month date, year*

*Jun 08, 2016*

*Signature*

**He Guili**  
**Director**

**Note:**

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of China Telecommunication Technology Labs.

Report No.: B16X50165-BT\_Rev1

FCC ID: ZC4T7X

Report Date: 2016-06-08

Test Firm Name: China Telecommunication Technology Labs

FCC Registration Number: 840587

#### Statement

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

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## 1 General Information

### 1.1 Notes

All reported tests were carried out on a sample equipment to demonstrate limited compliance with FCC Parts 15, subpart C and ANSI C63.4-2014 and FCC DA 00-705.

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

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

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## 1.2 Testers

Name: Li Guoqing  
Position: Engineer  
Department: Department of RF test  
Date: 2016-05-03 to 2016-06-08  
Signature: 李国庆

Editor of this test report:

Name: Li Guoqing  
Position: Engineer  
Department: Department of RF test  
Date: 2016-06-08  
Signature: 李国庆

Technical responsibility for area of testing:

Name: Zou Dongyi  
Position: Manager  
Department: Director of the laboratory  
Date: 2016-06-08  
Signature: 邹东屹

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### 1.3 Testing Laboratory information

#### 1.3.1 Location

Name: China Telecommunication Technology Labs.  
Address: No. 11, Yue Tan Nan Jie, Xi Cheng District  
BEIJING  
P. R. CHINA, 100083  
Tel: +86 10 68094053  
Fax: +86 10 68011404  
Email: emc@chinattl.com

#### 1.3.2 Details of accreditation status

Accredited by: China National Accreditation Service for Conformity  
Assessment (CNAS)  
Registration number: CNAS Registration No. CNAS L0570  
Standard: ISO/IEC 17025:2005

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

Name: -----  
Street: -----  
City: -----  
Country: -----  
Telephone: -----  
Fax: -----  
Postcode: -----

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## 1.4 Details of applicant or manufacturer

### 1.4.1 Applicant

Name: Corporativo Lanix S.A.de C.V.  
Address: Carretera Internacional Hermosillo - Nogales Km 8.5  
Hermosillo, Sonora, México  
Country: México  
Telephone: 0052 16621090811  
Fax: --  
Contact: Oscar Guzman  
Email: oguzman@lanix.com

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

Name: Amer Mobile Ltd.,com  
Address: 17/F, Tower B, Huihai Sqr, Chuangye Rd, Longhua Dist,  
Shenzhen, China  
Country: China  
Telephone: 86 13421844861  
Fax: --  
Contact: Windy.Chen  
Email: chengang841230@163.com

## 2 Test Item

### 2.1 General Information

Manufacturer: Amer Mobile Ltd.,com  
 Type of Equipment: Pad  
 Model Name: Ilium Pad T7X  
 Serial Number: S4/10: 358066070000145  
 S8/10: 358066070000665  
 Production Status: Product  
 Receipt date of test item: 2016-05-03

### 2.2 Outline of Equipment under Test

The Ilium Pad T7X, referred to as “EUT” hereafter, is a multi-band wireless modem operating on the GSM/UMTS networks. The table below shows the supported bands for the EUT.

| Technology | Band    | UL Freq.(MHz) | DL Freq.(MHz) | Note |
|------------|---------|---------------|---------------|------|
| GSM        | GSM850  | 824 - 849     | 869 - 894     | --   |
|            | PCS1900 | 1850 - 1910   | 1930 - 1990   | --   |
| WCDMA      | B2      | 1850 - 1910   | 1930 - 1990   | --   |
|            | B5      | 824 - 849     | 869 - 894     | --   |

### 2.3 Modifications Incorporated in EUT

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

### 2.4 Equipment Configuration

Equipment configuration list:

| Item | Generic Description | Manufacturer         | Type          | Serial No.                                       | Remarks |
|------|---------------------|----------------------|---------------|--------------------------------------------------|---------|
| A    | Modem               | Amer Mobile Ltd.,com | Ilium Pad T7X | S4/10: 358066070000145<br>S8/10: 358066070000665 | None    |
| B    | Adaptor             | None                 | None          | --                                               | None    |

### 2.5 Other Information

--

### 3 Summary of Test Results

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

| FCC Rules                     | Name of Test                   | Result |
|-------------------------------|--------------------------------|--------|
| 15.247 (b)(3)(i),(ii)and(iii) | Peak power                     | Pass   |
| 15.247 (d)                    | Band edge (conducted)          | Pass   |
| 15.247(a)(1)                  | Frequency separation           | Pass   |
| 15.247(a)(1)(ii)              | Number of hopping frequency    | Pass   |
| 15.247(a)(1)(iii)             | Time of occupancy              | Pass   |
| 15.209(a) and 15.205(a)       | Spurious emission (conducted)  | Pass   |
| 15.209(a) and 15.205(a)       | Spurious emission (radiated)   | Pass   |
| ANSI C63.4 voltage mains test | Power line Conducted Emissions | Pass   |

#### 4 Test Equipments and Ancillaries Used For Tests

The test equipments and ancillaries used are as follows.

| No. | Equipment                            | Model           | SN         | Manufacture | Cal. Due Date |
|-----|--------------------------------------|-----------------|------------|-------------|---------------|
| 1   | EMI Test Receiver                    | ESU26           | 100367     | R&S         | 2017-03-04    |
| 2   | Trilog super broadband test antenna  | VULB 9163       | 9163-544   | R&S         | 2017-01-05    |
| 3   | Double-Ridged Horn Antenna           | HF907           | 100356     | R&S         | 2016-12-12    |
| 4   | Fully-Anechoic Chamber               | 11.8m×6.5m×6.3m | --         | ETS         | 2017-08-19    |
| 5   | Universal Radio Communication Tester | CMW500          | 128181     | R&S         | 2017-03-04    |
| 6   | Signal Generator                     | SMU200A         | 104517     | R&S         | 2017-03-04    |
| 7   | spectrum analyzer                    | FSQ 26          | 201137/026 | R&S         | 2017-03-04    |
| 8   | Climate chamber                      | SH-241          | 92010759   | ESPEC       | 2017-03-04    |
| 9   | DC Power Supply                      | N6705B          | MY50000919 | Agilent     | 2017-12-06    |

## 5 Test Results

### 5.1 Peak power

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Specifications:    | FCC Part 15.247 (b)(3)(i),(ii)and(iii)                                              |
| DUT Serial Number: | S4/10: 358066070000145                                                              |
| Test conditions:   | Ambient Temperature:15℃-35℃<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |
| Test Results:      | Pass                                                                                |

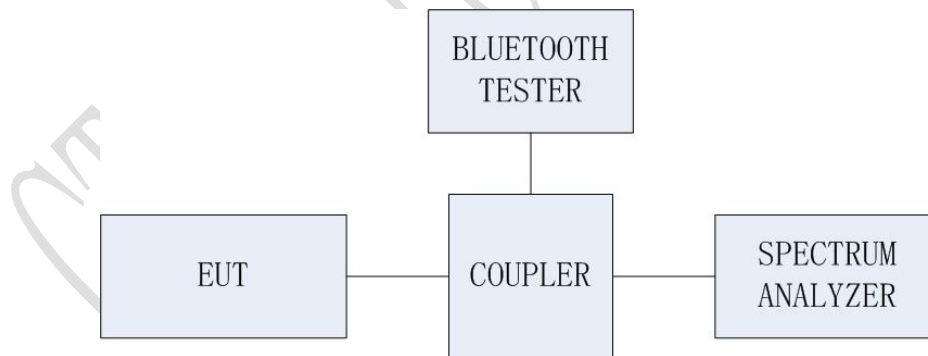
#### Limit Level Construction:

The maximum peak output power of the intentional radiator shall not exceed the following:

1. For systems using digital modulation in the bands of 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725 - 5850 MHz: 1 watt.
2. Except as shown in paragraphs (b)(3) (i), (ii) and (iii) of this section, if transmitting antennas of directional gain greater than 6 dBi are used the peak output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1) or (b)(2) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### Test Setup:

The BLUETOOTH TESTER was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a coupler.



#### Test Method:

The transmitter output is connected to the Spectrum Analyzer. The Spectrum Analyzer is set to the peak detector mode. The RBW is set to 3MHz. The VBW is set to 3MHz.

The measurement is made according to Public notice FCC Public Notice DA 00-705, March 2000, and ANSI C63.10-2013.

**Note:** --

## GFSK Mode:

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| Channel No. | Frequency (MHz) | Output Power (dBm) | Limit (dBm) | Result |
|-------------|-----------------|--------------------|-------------|--------|
| Low: 0      | 2401.690        | -1.55              | 30          | Pass   |
| Middle: 39  | 2440.730        | -2.25              |             | Pass   |
| High: 78    | 2479.840        | -3.16              |             | Pass   |

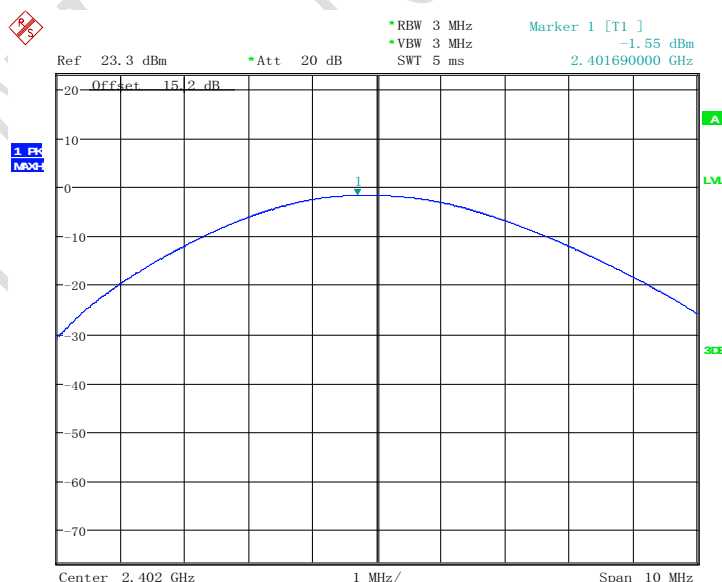
## Pi/4 DQPSK Mode:

| Channel No. | Frequency (MHz) | Output Power (dBm) | Limit (dBm) | Result |
|-------------|-----------------|--------------------|-------------|--------|
| Low: 0      | 2402.060        | -2.16              | 30          | Pass   |
| Middle: 39  | 2440.870        | -2.78              |             | Pass   |
| High: 78    | 2480.004        | -3.67              |             | Pass   |

## 8DPSK Mode:

| Channel No. | Frequency (MHz) | Output Power (dBm) | Limit (dBm) | Result |
|-------------|-----------------|--------------------|-------------|--------|
| Low: 0      | 2402.010        | -2.00              | 30          | Pass   |
| Middle: 39  | 2440.920        | -2.61              |             | Pass   |
| High: 78    | 2478.200        | -3.50              |             | Pass   |

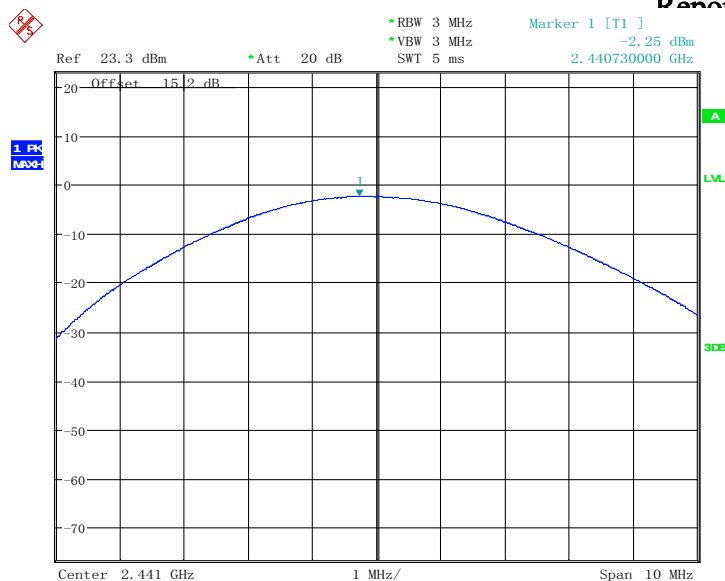
## Graphical results :



Date: 7. MAY. 2016 10:16:25

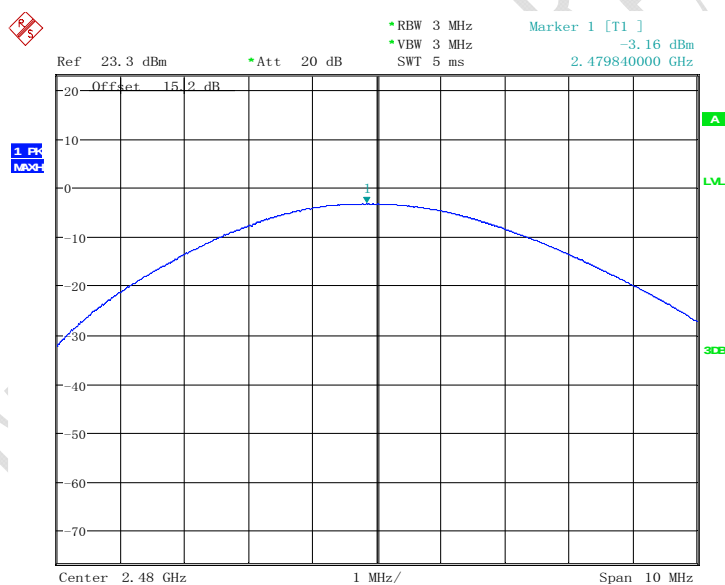
GFSK Channel 0

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Date: 7. MAY. 2016 10:17:40

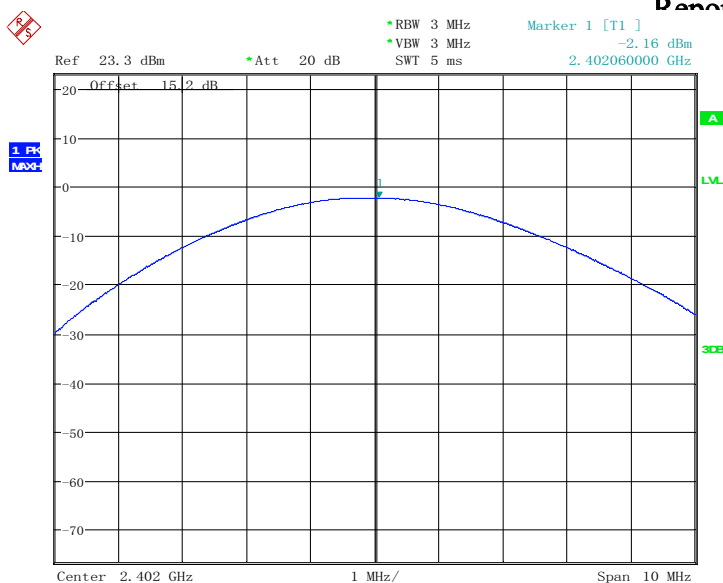
### GFSK Channel 39



Date: 7. MAY. 2016 10:18:23

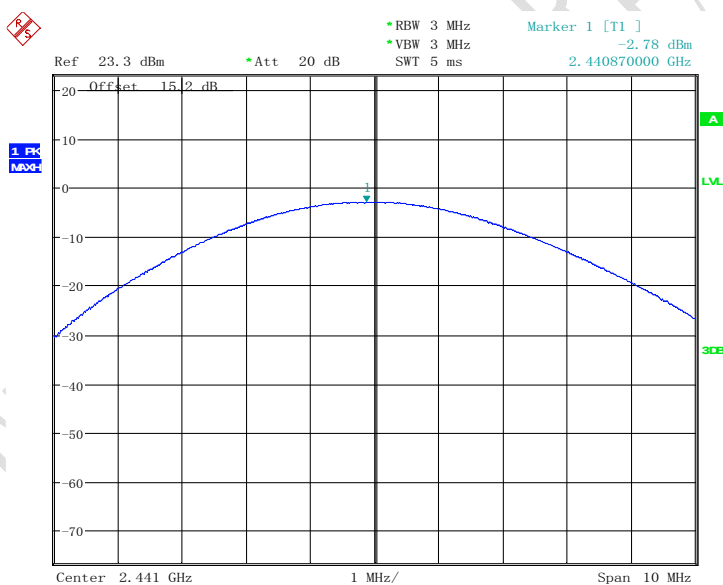
### GFSK Channel 78

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 10:20:05

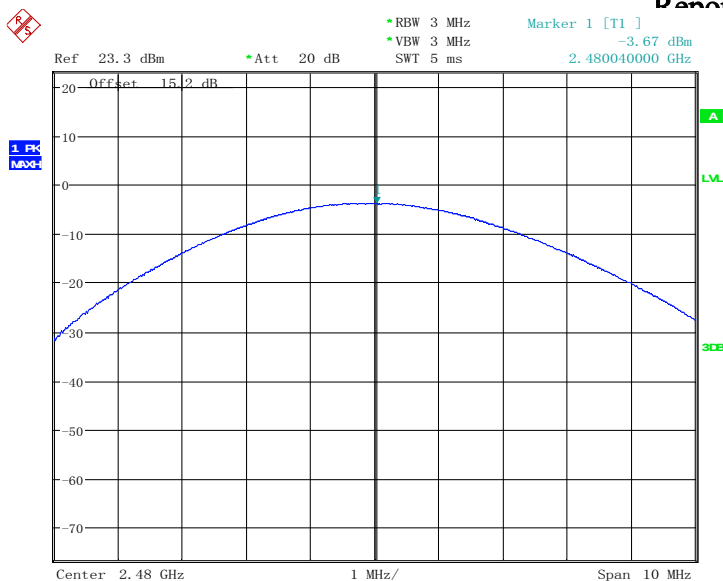
### Pi/4 DQPSK Channel 0



Date: 7. MAY. 2016 10:20:44

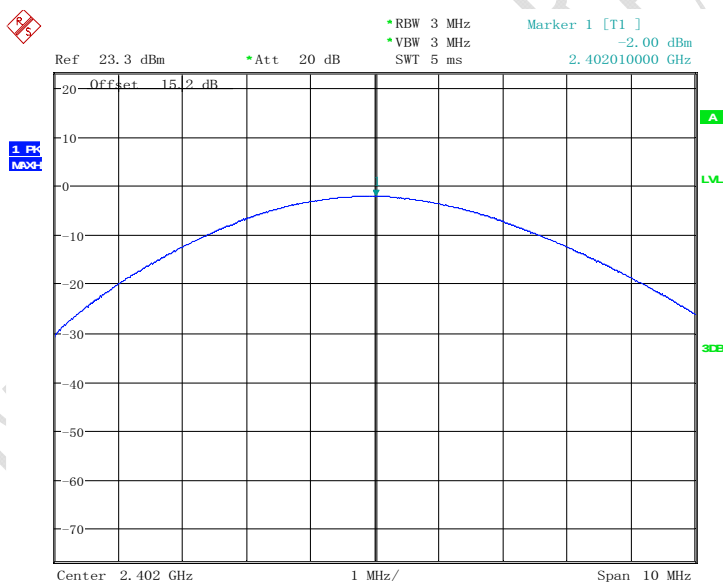
### Pi/4 DQPSK Channel 39

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 10:21:24

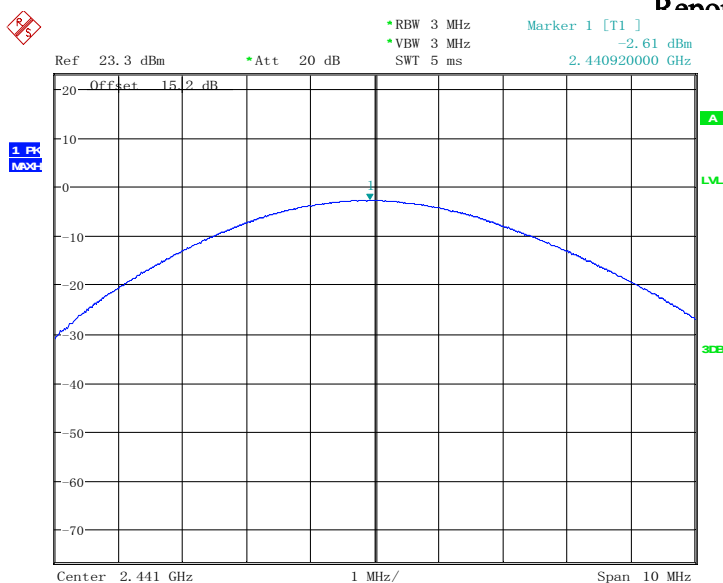
### Pi/4 DQPSK Channel 78



Date: 7. MAY. 2016 10:22:10

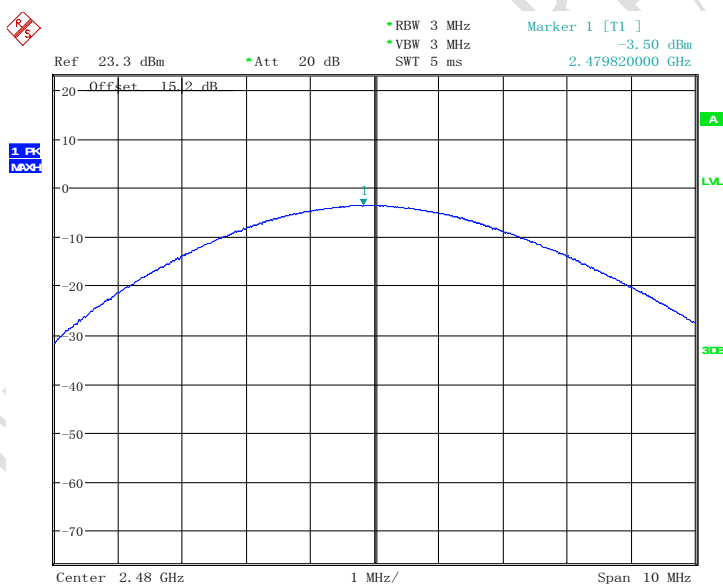
### 8DPSK Channel 0

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Date: 7. MAY. 2016 10:22:47

### 8DPSK Channel 39



Date: 7. MAY. 2016 10:23:22

### 8DPSK Channel 78

## 5.2 Band edges

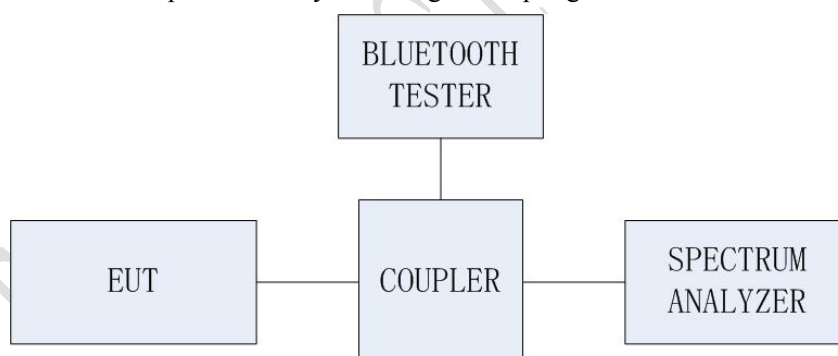
|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Specifications:    | FCC Part 15.247 (d)                                                                 |
| DUT Serial Number: | S4/10: 358066070000145                                                              |
| Test conditions:   | Ambient Temperature:15℃-35℃<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |
| Test Results:      | --                                                                                  |

### Limit Level Construction:

According to §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.

### Test Setup:

The BLUETOOTH TESTER was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a coupling.



### Test procedure:

The transmitter output is connected to the Spectrum Analyzer. The Spectrum Analyzer is set to the peak detector mode. The spectrum analyzer is set to:

1. Span = 10 MHz
2. RBW = 100 KHz
3. VBW = 300 KHz
4. Sweep = auto

The measurement is made according to Public notice FCC Public Notice DA 00-705, March 2000, and ANSI C63.4-2003.

Note: --

## Test Results:

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## GFSK Mode:

| Hopping mode | Channel                | Band-edge Freq.[MHz] | Delta[dB] | Conclusion |
|--------------|------------------------|----------------------|-----------|------------|
| Hopping OFF  | 0,<br>Left band-edge   | 2399.984             | -47.11    | Pass       |
| Hopping ON   | --,<br>Left band-edge  | 2397.180             | -46.12    | Pass       |
| Hopping OFF  | 78,<br>Right band-edge | 2484.040             | -45.33    | Pass       |
| Hopping ON   | --,<br>Right band-edge | 2483.910             | -45.50    | Pass       |

## Pi/4 DQPSK Mode:

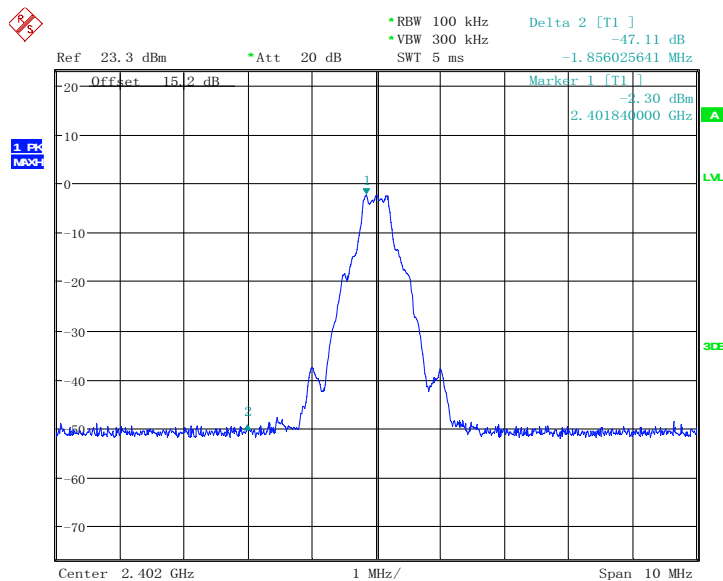
| Hopping mode | Channel                | Band-edge Freq.[MHz] | Delta[dB] | Conclusion |
|--------------|------------------------|----------------------|-----------|------------|
| Hopping OFF  | 0,<br>Left band-edge   | 2397.750             | -45.79    | Pass       |
| Hopping ON   | --,<br>Left band-edge  | 2397.200             | -46.10    | Pass       |
| Hopping OFF  | 78,<br>Right band-edge | 2484.020             | -44.21    | Pass       |
| Hopping ON   | --,<br>Right band-edge | 2483.770             | -43.12    | Pass       |

## 8PSK Mode:

| Hopping mode | Channel                | Band-edge Freq.[MHz] | Delta[dB] | Conclusion |
|--------------|------------------------|----------------------|-----------|------------|
| Hopping OFF  | 0,<br>Left band-edge   | 2399.660             | -46.98    | Pass       |
| Hopping ON   | --,<br>Left band-edge  | 2398.490             | -46.51    | Pass       |
| Hopping OFF  | 78,<br>Right band-edge | 2484.170             | -44.77    | Pass       |
| Hopping ON   | --,<br>Right band-edge | 2483.774             | -44.09    | Pass       |

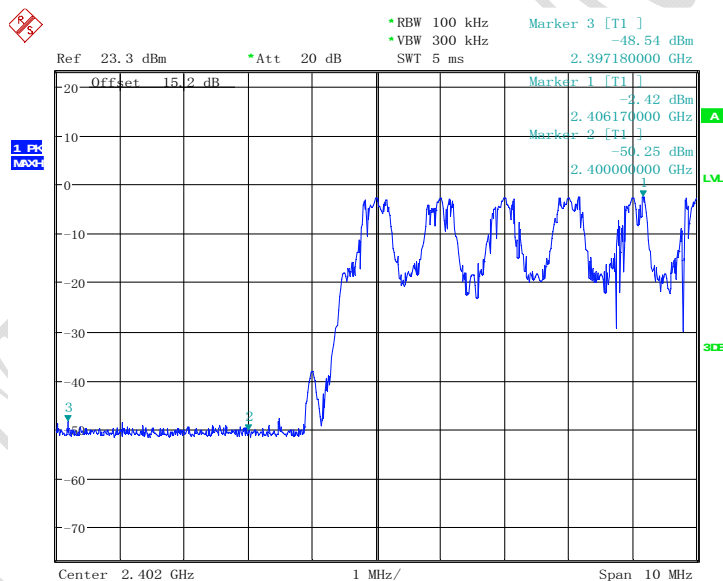
Graphical results:

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Date: 7. MAY. 2016 10:55:10

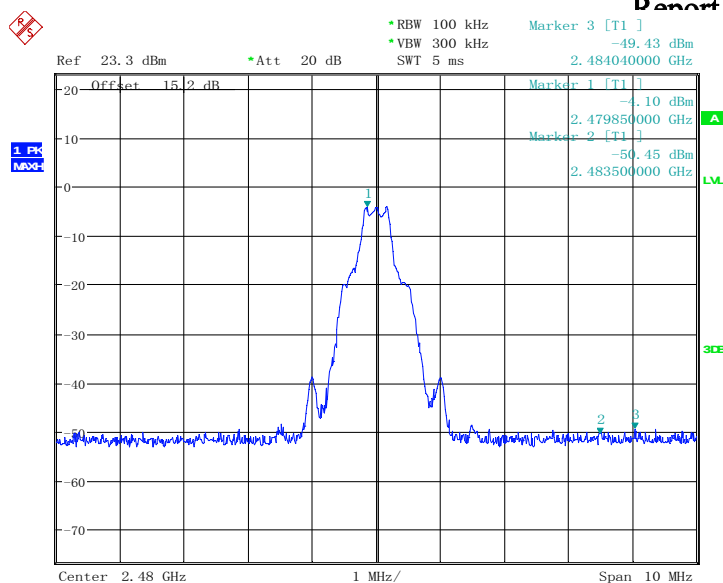
GFSK Channel 0, fixed mode, left band-edge



Date: 7. MAY. 2016 12:01:21

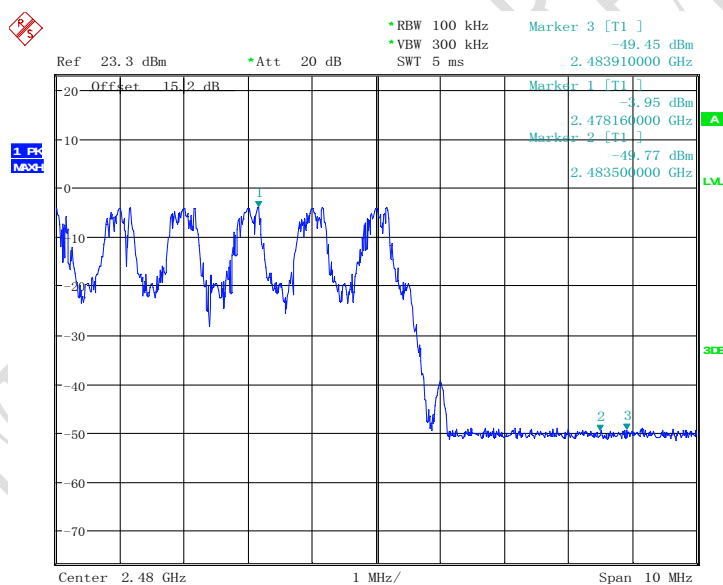
GFSK Hopping mode, left band-edge

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Date: 7. MAY. 2016 11:42:45

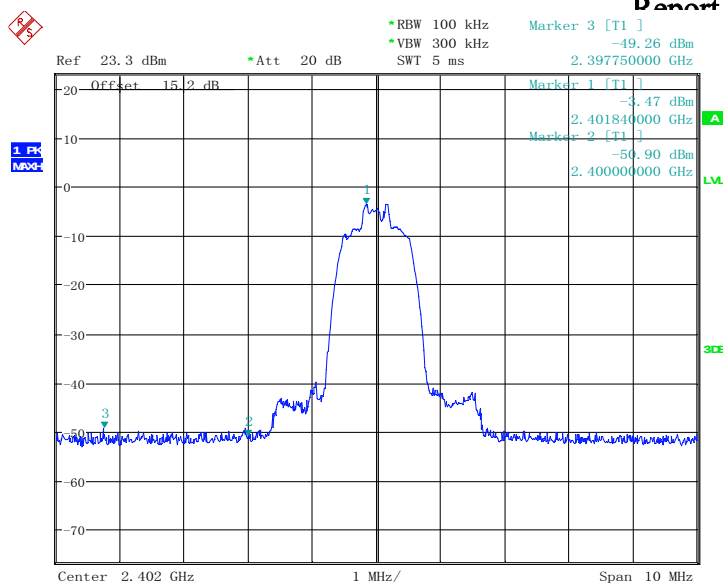
GFSK Channel 78, fixed mode, right band-edge



Date: 7. MAY. 2016 11:51:23

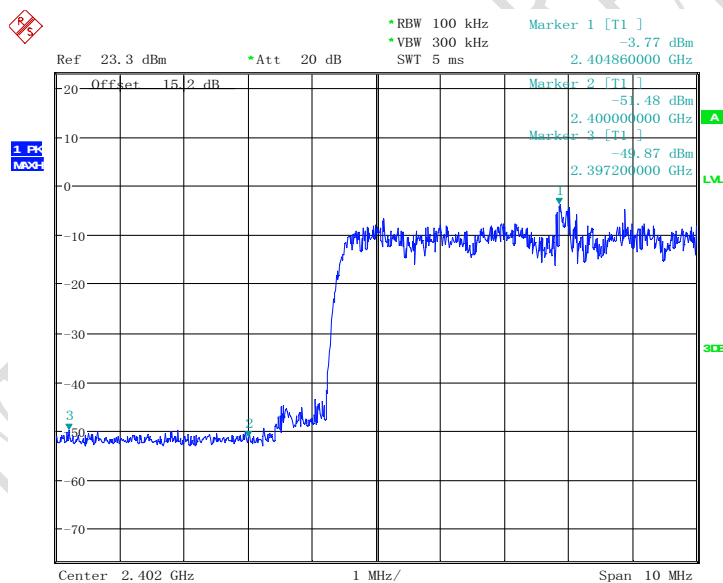
GFSK Hopping mode, right band-edge

Report No. : R16X50165-BT\_Rev1



Date: 7. MAY. 2016 11:36:31

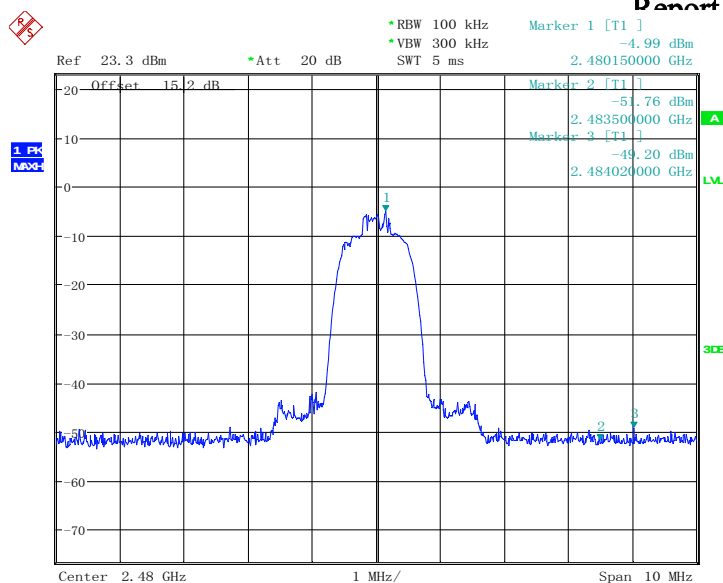
Pi/4 DQPSK Channel 0, fixed mode, left band-edge



Date: 7. MAY. 2016 11:37:27

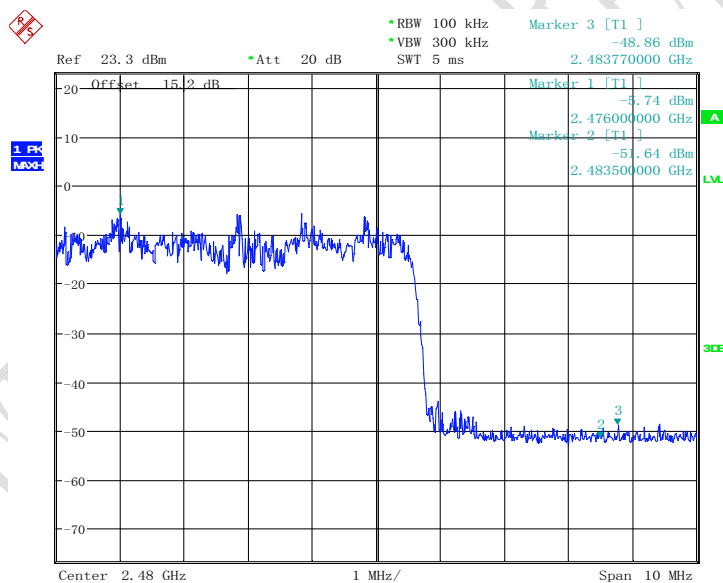
Pi/4 DQPSK Hopping mode, left band-edge

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Date: 7. MAY. 2016 11:33:58

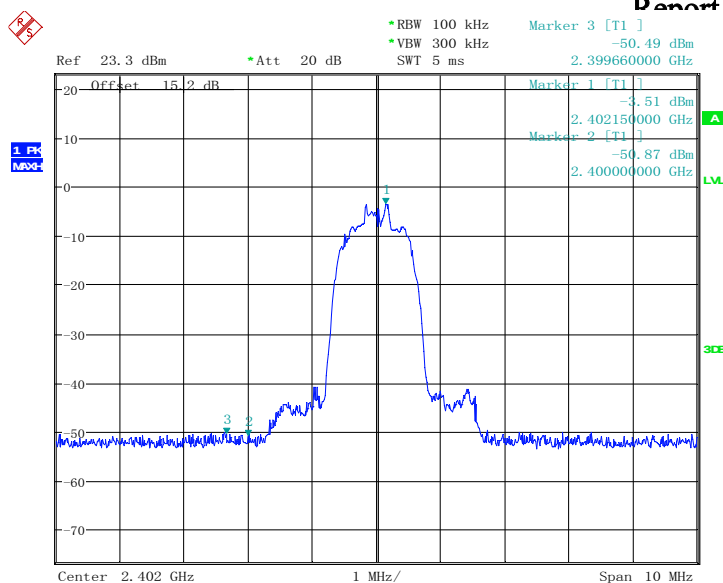
Pi/4 DQPSK Channel 78, fixed mode, right band-edge



Date: 7. MAY. 2016 11:35:12

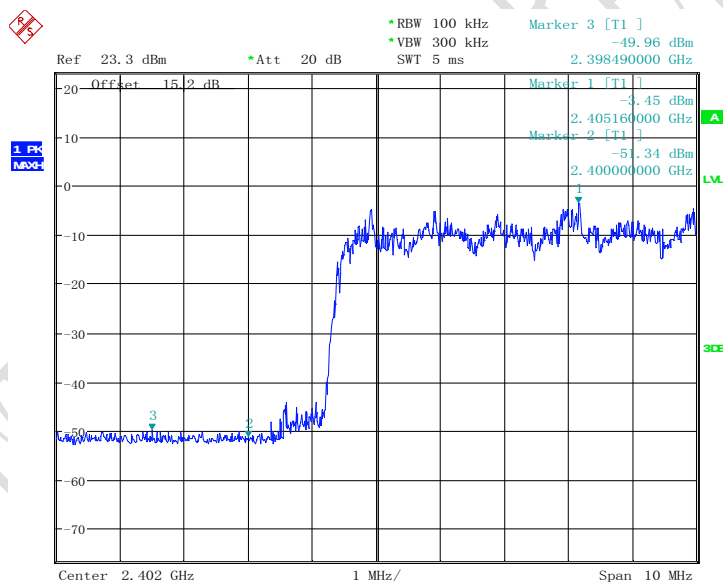
Pi/4 DQPSK Hopping mode, right band-edge

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Date: 7. MAY. 2016 11:39:18

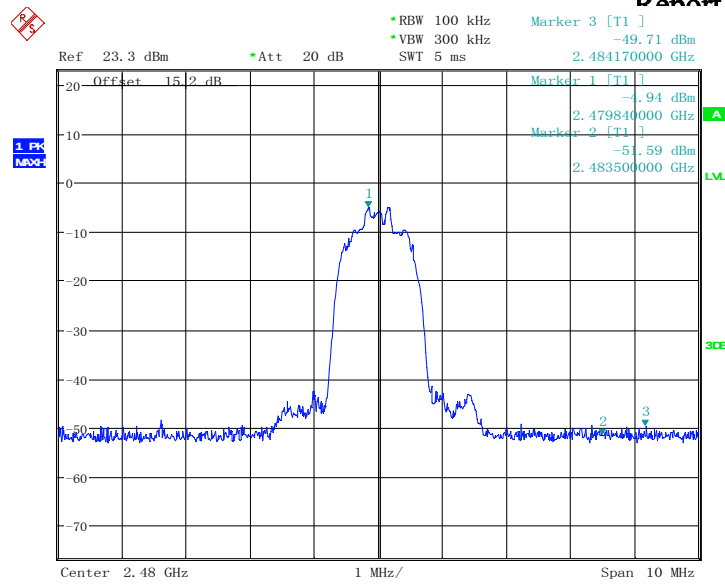
### 8DPSK Channel 0, fixed mode, left band-edge



Date: 7. MAY. 2016 11:38:44

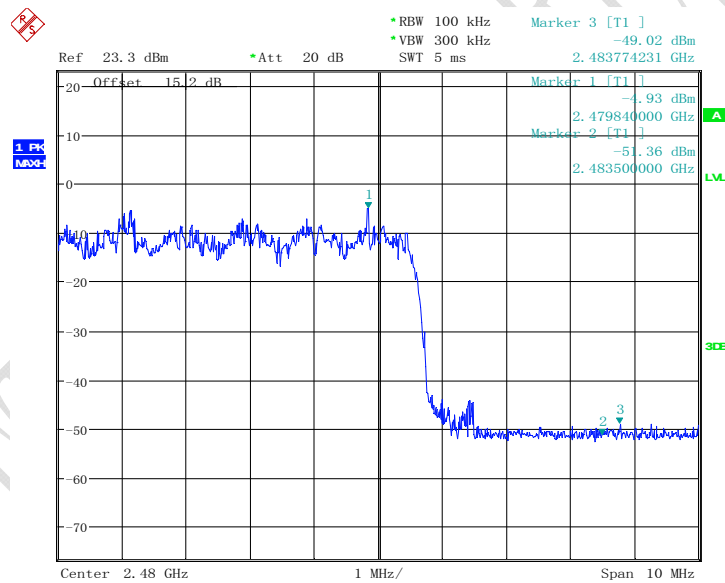
### 8DPSK Hopping mode, left band-edge

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Date: 7. MAY. 2016 11:40:11

8DPSK Channel 78, fixed mode, right band-edge



Date: 7. MAY. 2016 11:41:47

8DPSK Hopping mode, right band-edge

### 5.3 Frequency separation

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Specifications:    | FCC Part 15.247(a)(1)                                                                 |
| DUT Serial Number: | S4/10: 358066070000145                                                                |
| Test conditions:   | Ambient Temperature:15°C-35°C<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |
| Test Results:      | --                                                                                    |

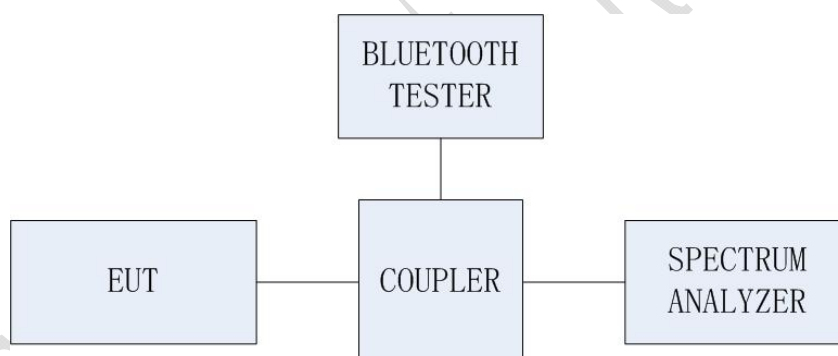
#### Limit Level Construction:

According to §15.247(a)(1), Frequency hopping systems shall have hopping channel carrier frequencies separated by minimum of 25 kHz or 2/3 of the 20 dB bandwidth of the hopping channel (note), whichever is greater.

Note: it is for the power of less than 125 mw, and for others it is 20 dB bandwidth of the hopping channel.

#### Test Setup

The BLUETOOTH TESTER was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a coupling.



#### Test Procedure

The spectrum analyzer is set to:

1. 20dBc Bandwidth: Span = 3 MHz, RBW=20 kHz, VBW=50 kHz, Sweep=auto.
2. Carrier Frequency Separation: Span = 3 MHz, RBW=100 kHz, VBW=300 kHz, Sweep=auto.

The trace was allowed to stabilize. The marker-delta function was used to determine the separation between the peaks of the adjacent channels.

The measurement is made according to Public notice FCC Public Notice DA 00-705, March 2000, and ANSI C63.10-2013.

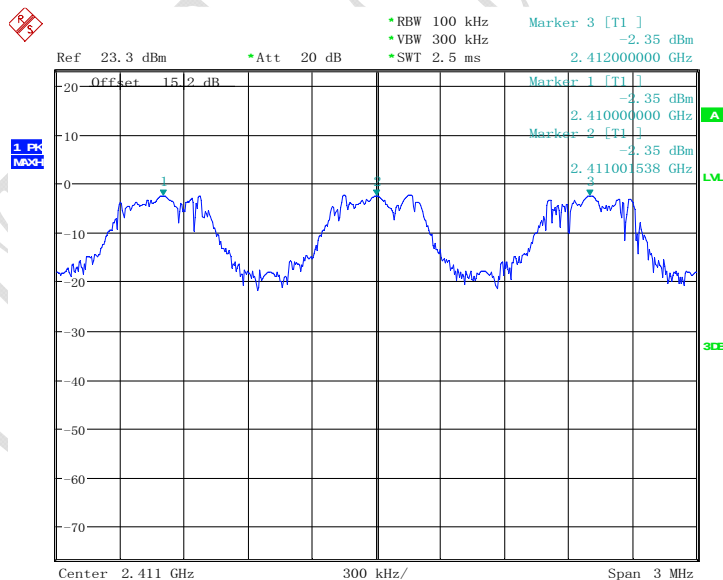
Note: --

Test Result:

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| Channel separation | 20dB Bandwidth(kHz) |      | Limit(kHz) | Result |
|--------------------|---------------------|------|------------|--------|
| GFSK               |                     |      |            |        |
| 998                | Ch 0                | 639  | >25        | Pass   |
|                    | Ch 39               | 683  | >25        | Pass   |
|                    | Ch 78               | 644  | >25        | Pass   |
| Pi/4 DQPSK         |                     |      |            |        |
| 888                | Ch 0                | 1264 | >25        | Pass   |
|                    | Ch 39               | 1264 | >25        | Pass   |
|                    | Ch 78               | 1260 | >25        | Pass   |
| 8DPSK              |                     |      |            |        |
| 996                | Ch 0                | 1255 | >25        | Pass   |
|                    | Ch 39               | 1255 | >25        | Pass   |
|                    | Ch 78               | 1260 | >25        | Pass   |

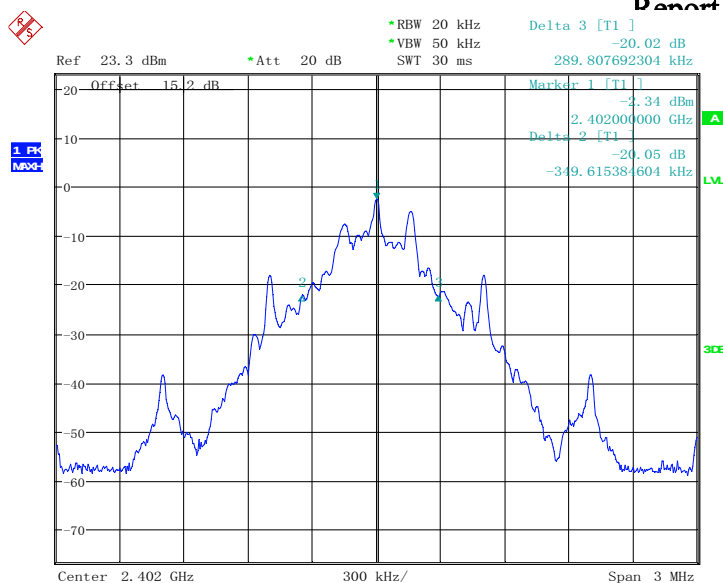
Graphical results:



Date: 7. MAY. 2016 14:12:28

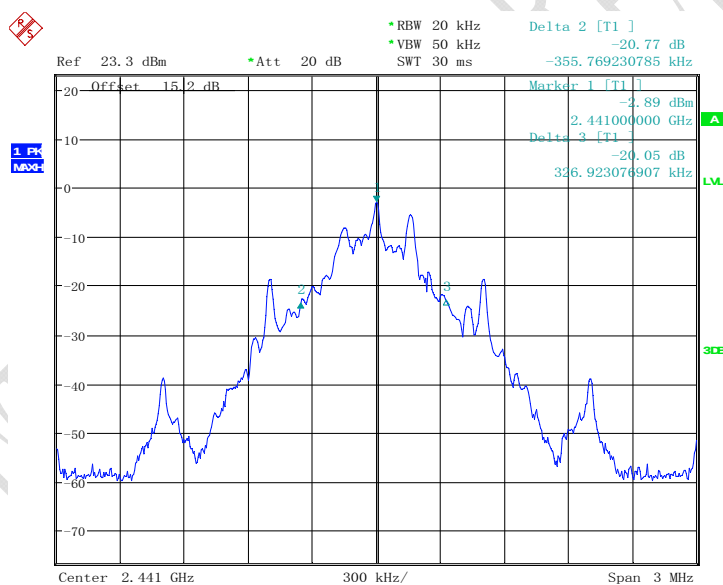
Channel Separation (GFSK)

Report No. : R16X50165-BT\_Rev1



Date: 7. MAY. 2016 14:23:39

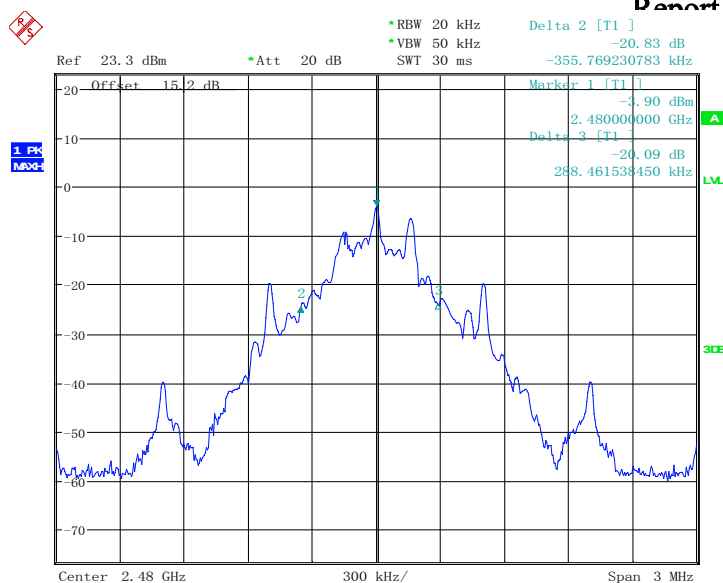
### 20dB Bandwidth (GFSK Ch 0)



Date: 7. MAY. 2016 14:24:46

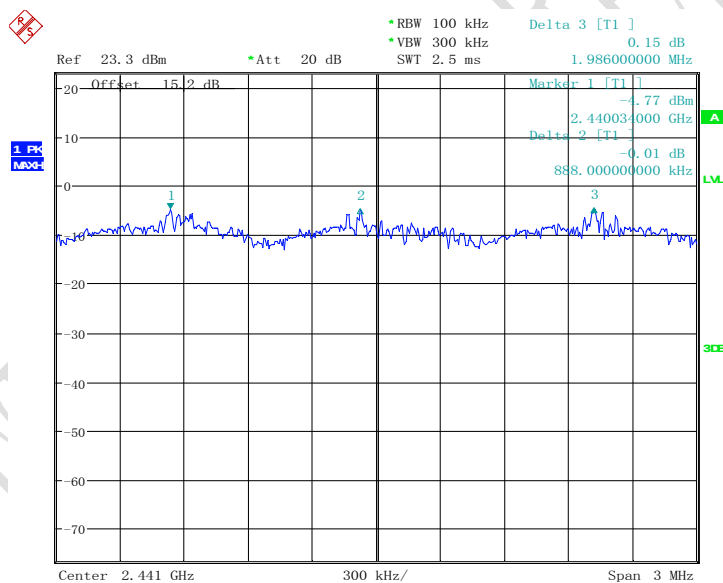
### 20dB Bandwidth (GFSK Ch 39)

Report No. : R16X50165-BT\_Rev1



Date: 7. MAY. 2016 14:25:33

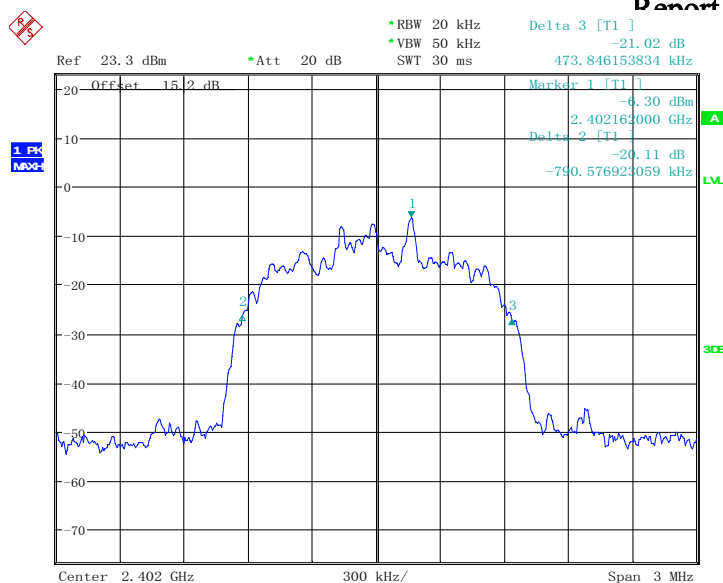
### 20dB Bandwidth (GFSK Ch 78)



Date: 7. MAY. 2016 14:28:27

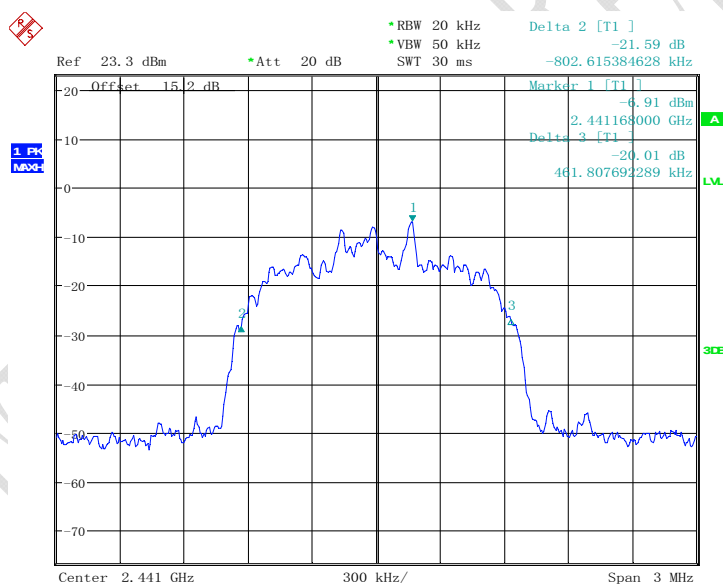
### Channel Separation (Pi/4 DQPSK)

Report No. : R16X50165-BT\_Rev1



Date: 7. MAY. 2016 14:29:48

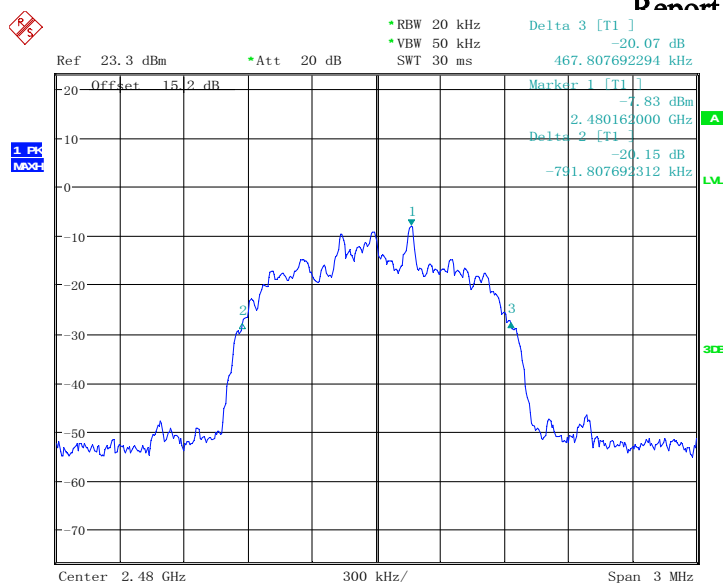
### 20dB Bandwidth (Pi/4 DQPSK Ch0)



Date: 7. MAY. 2016 14:30:27

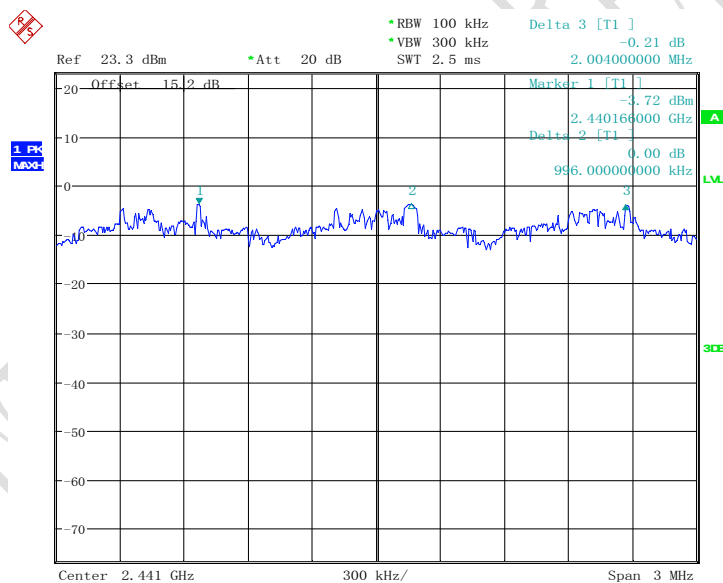
### 20dB Bandwidth (Pi/4 DQPSK Ch39)

Report No. R16X50165-BT\_Rev1



Date: 7. MAY. 2016 14:30:58

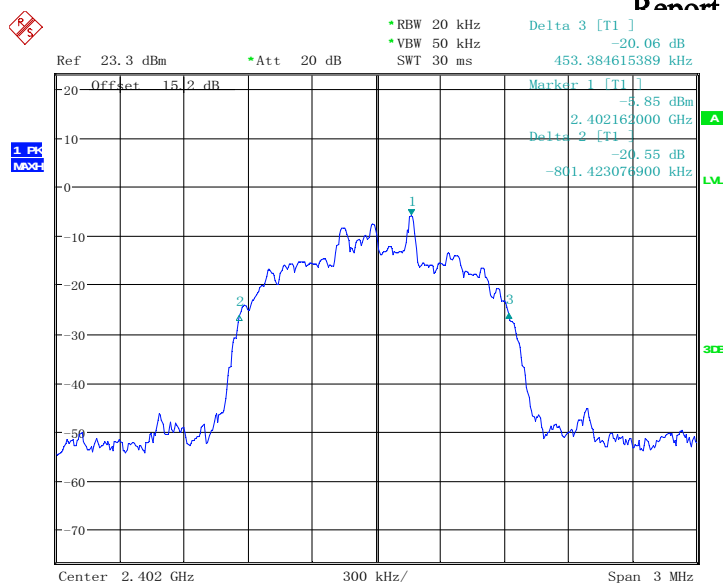
### 20dB Bandwidth (Pi/4 DQPSK Ch78)



Date: 7. MAY. 2016 14:33:06

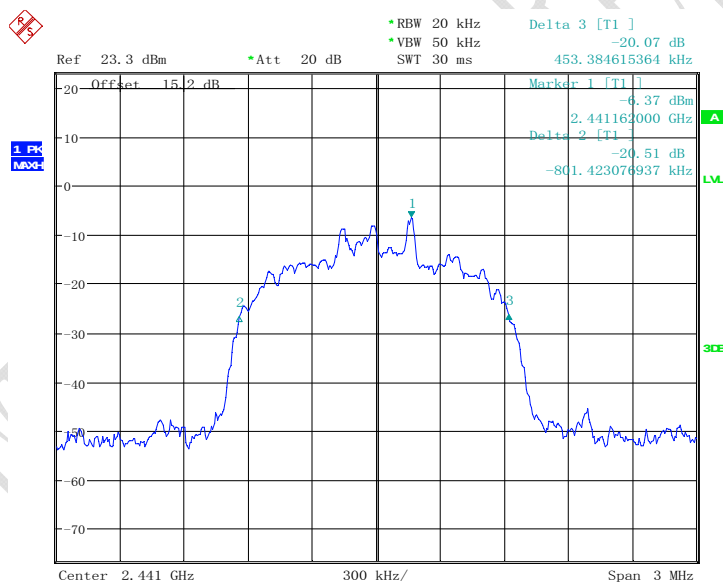
### Channel Separation (8DPSK)

Report No.: R16X50165-BT\_Rev1



Date: 7. MAY. 2016 14:33:47

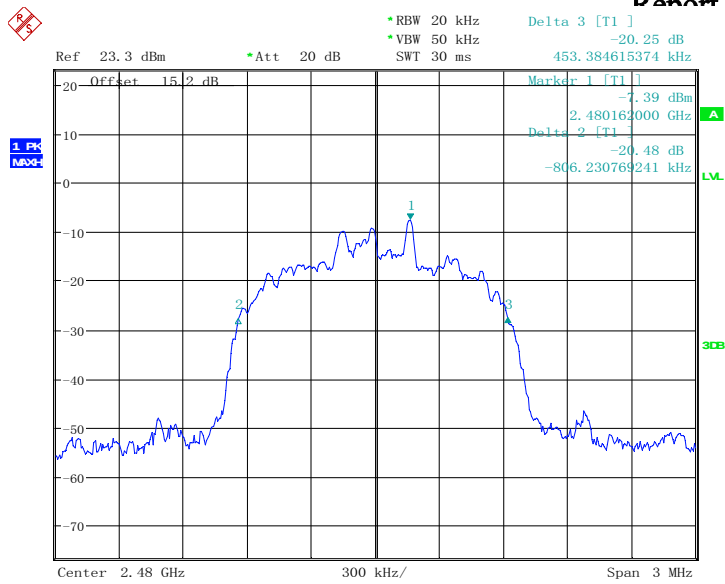
### 20dB Bandwidth (8DPSK Ch0)



Date: 7. MAY. 2016 14:34:19

### 20dB Bandwidth (8DPSK Ch39)

Report No. R16X50165-BT\_Rev1



Date: 7. MAY. 2016 14:34:44

20dB Bandwidth (8DPSK Ch78)

## 5.4 Number of hopping frequency

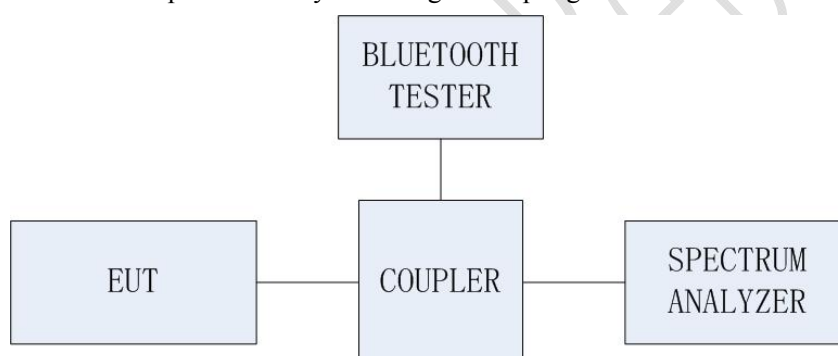
|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Specifications:    | FCC Part 15.247(a)(1)(ii)                                                             |
| DUT Serial Number: | S4/10: 358066070000145                                                                |
| Test conditions:   | Ambient Temperature:15°C-35°C<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |
| Test Results:      | --                                                                                    |

**Limit Level Construction:**

According to §15.247(a)(1)(ii), Frequency hopping systems operating in the 2400 MHz - 2483.5 MHz bands shall use at least 15 hopping frequencies.

**Test Setup**

The BLUETOOTH TESTER was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a coupling.

**Test Procedure**

The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer was set to:

1. Span = the frequency band of operation, i.e. 2400-2441MHz and 2441-2484 MHz
2. RBW = 500 KHz
3. VBW = 500 KHz
4. Sweep = auto

The trace was allowed to stabilize.

The measurement is made according to Public notice FCC Public Notice DA 00-705, March 2000, and ANSI C63.10-2013.

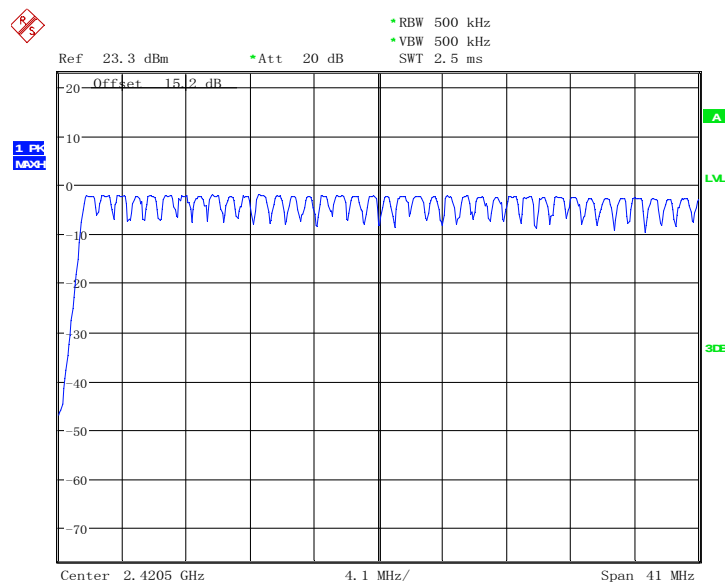
**Note:** --

Test Result:

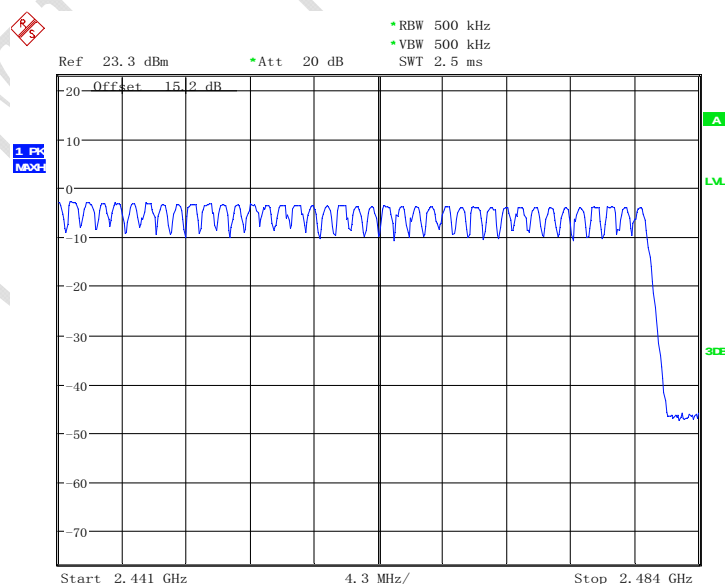
Report No.: B16X50165-BT\_Rev1

| Modulation | No. of channels | Limit (No. of Ch) | Result |
|------------|-----------------|-------------------|--------|
| GFSK       | 79              | >75               | Pass   |
| Pi/4 DQPSK | 79              | >75               | Pass   |
| 8DPSK      | 79              | >75               | Pass   |

Graphical results:



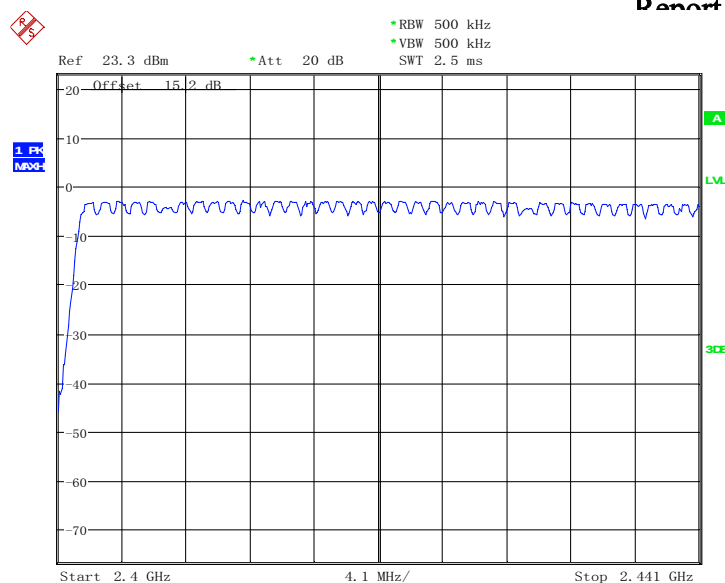
Date: 7. MAY. 2016 14:38:06



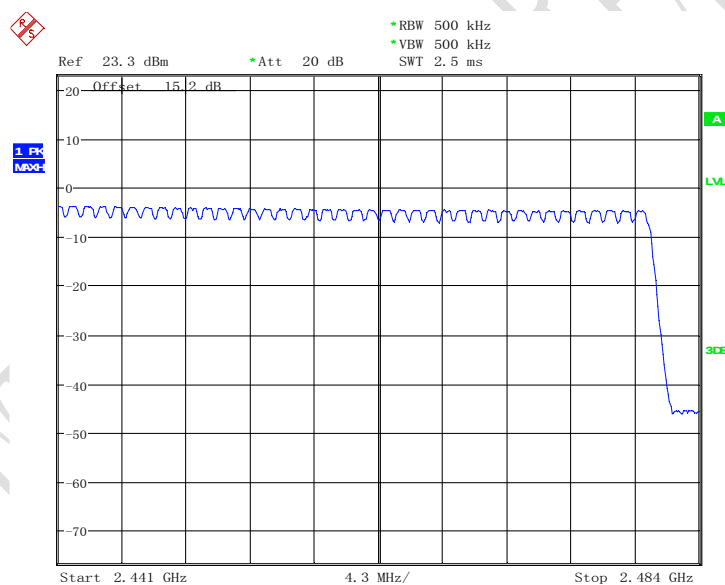
Date: 7. MAY. 2016 14:45:19

Channel Number (GFSK)

Report No. : R16X50165-BT\_Rev1



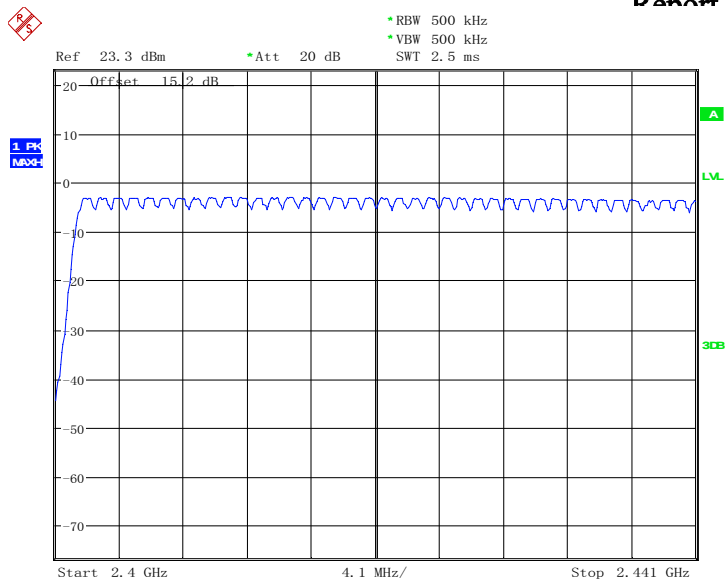
Date: 7. MAY. 2016 14:48:23



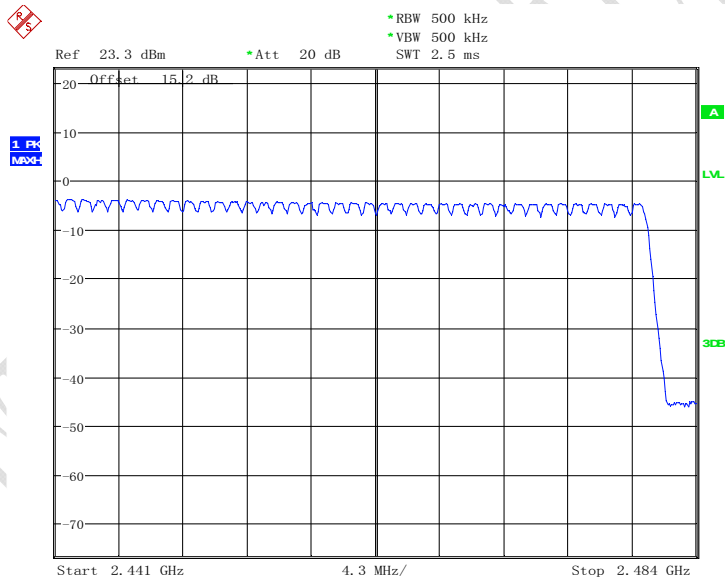
Date: 7. MAY. 2016 15:18:24

Channel Number (Pi/4 DQPSK)

Report No. : R16X50165-BT\_Rev1



Date: 7. MAY. 2016 15:02:01



Date: 7. MAY. 2016 15:12:28

Channel Number (8DPSK)

## 5.5 Time of occupancy

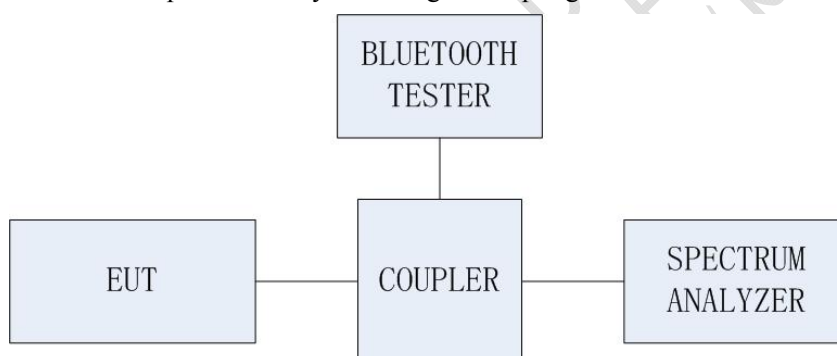
|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Specifications:    | FCC Part 15.247(a)(1)(iii)                                                            |
| DUT Serial Number: | S4/10: 358066070000145                                                                |
| Test conditions:   | Ambient Temperature:15°C-35°C<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |
| Test Results:      | --                                                                                    |

## Limit

According to §15.247(a)(1)(iii), Frequency hopping systems operating in the 2400 MHz - 2483.5 MHz bands. The average time of occupancy on any channels shall not greater than 0.4 s within a period 0.4 s multiplied by the number of hopping channels employed.

## Test Setup

The BLUETOOTH TESTER was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a coupling.



## Test Procedure

The spectrum analyzer is set to:

1. Span = zero span
2. RBW = 1 MHz
3. VBW = 3 MHz
4. Sweep = as necessary to capture the entire dwell time per channel

The marker-delta function was used to determine the dwell time.

The measurement is made according to Public notice FCC Public Notice DA 00-705, March 2000, and ANSI C63.10-2013.

## Test Result:

Report No.: B16X50165-BT\_Rev1

GFSK DH1:

$$0.365 \times (1600/2) / 79 \times 31.6 = 117 \text{ms}$$

| Pulse time[ms] | Total dwell[ms] | Period time[s] | Result |
|----------------|-----------------|----------------|--------|
| 0.365          | 117             | 31.6           | Pass   |

GFSK DH3:

$$1.623 \times (1600/4) / 79 \times 31.6 = 260 \text{ms}$$

| Pulse time[ms] | Total dwell[ms] | Period time[s] | Result |
|----------------|-----------------|----------------|--------|
| 1.623          | 260             | 31.6           | Pass   |

GFSK DH5:

$$2.873 \times (1600/6) / 79 \times 31.6 = 306 \text{ms}$$

| Pulse time[ms] | Total dwell[ms] | Period time[s] | Result |
|----------------|-----------------|----------------|--------|
| 2.873          | 306             | 31.6           | Pass   |

Pi/4 DQPSK 2DH1:

$$0.380 \times (1600/2) / 79 \times 31.6 = 122 \text{ms}$$

| Pulse time[ms] | Total dwell[ms] | Period time[s] | Result |
|----------------|-----------------|----------------|--------|
| 0.380          | 122             | 31.6           | Pass   |

Pi/4 DQPSK 2DH3:

$$1.636 \times (1600/4) / 79 \times 31.6 = 262 \text{ms}$$

| Pulse time[ms] | Total dwell[ms] | Period time[s] | Result |
|----------------|-----------------|----------------|--------|
| 1.636          | 262             | 31.6           | Pass   |

Pi/4 DQPSK 2DH5:

$$2.854 \times (1600/6) / 79 \times 31.6 = 304 \text{ms}$$

| Pulse time[ms] | Total dwell[ms] | Period time[s] | Result |
|----------------|-----------------|----------------|--------|
| 2.854          | 304             | 31.6           | Pass   |

Report No.: B16X50165-BT\_Rev1

8DPSK 3DH1:

$$0.386 * (1600/2) / 79 * 31.6 = 124 \text{ms}$$

| Pulse time[ms] | Total dwell[ms] | Period time[s] | Result |
|----------------|-----------------|----------------|--------|
| 0.386          | 124             | 31.6           | Pass   |

8DPSK 3DH3:

$$1.643 * (1600/4) / 79 * 31.6 = 263 \text{ms}$$

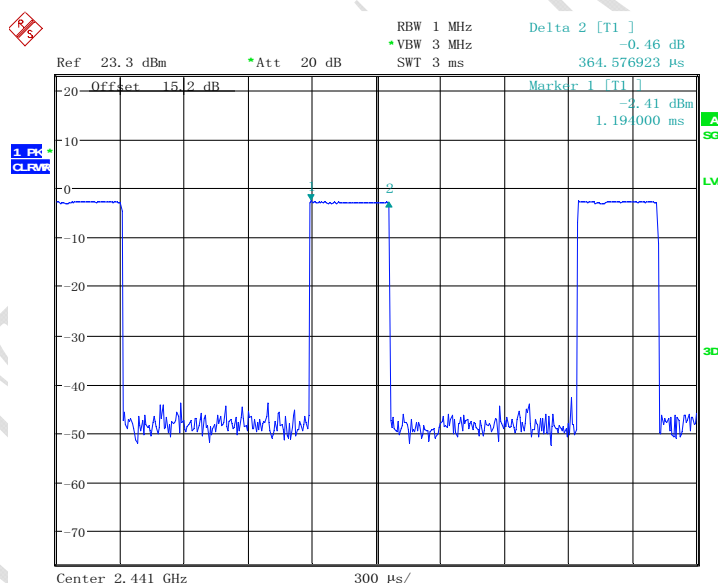
| Pulse time[ms] | Total dwell[ms] | Period time[s] | Result |
|----------------|-----------------|----------------|--------|
| 1.643          | 263             | 31.6           | Pass   |

8DPSK 3DH5:

$$2.877 * (1600/6) / 79 * 31.6 = 307 \text{ms}$$

| Pulse time[ms] | Total dwell[ms] | Period time[s] | Result |
|----------------|-----------------|----------------|--------|
| 2.877          | 307             | 31.6           | Pass   |

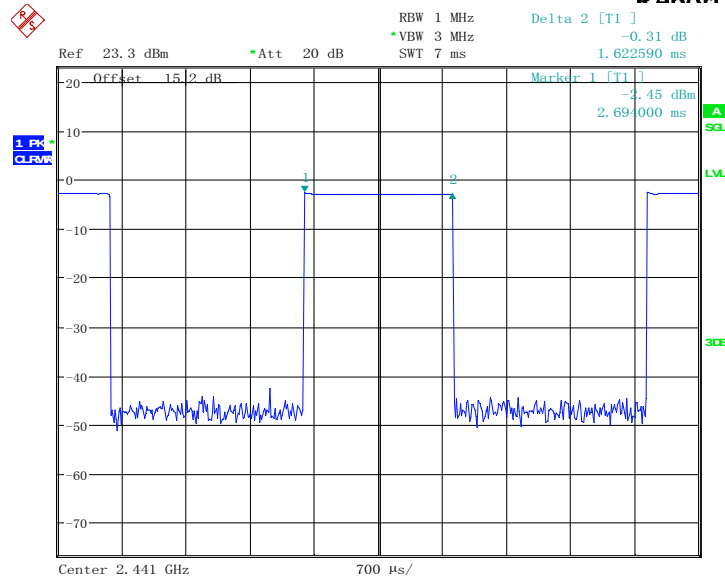
Graphical results:



Date: 7. MAY. 2016 15:22:44

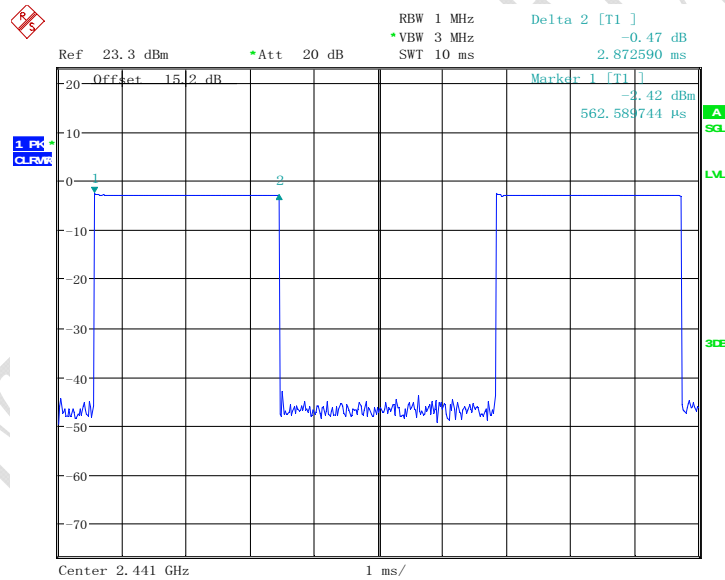
GFSK DH1

Report No. : R16X50165-BT\_Rev1



Date: 7. MAY. 2016 15:24:33

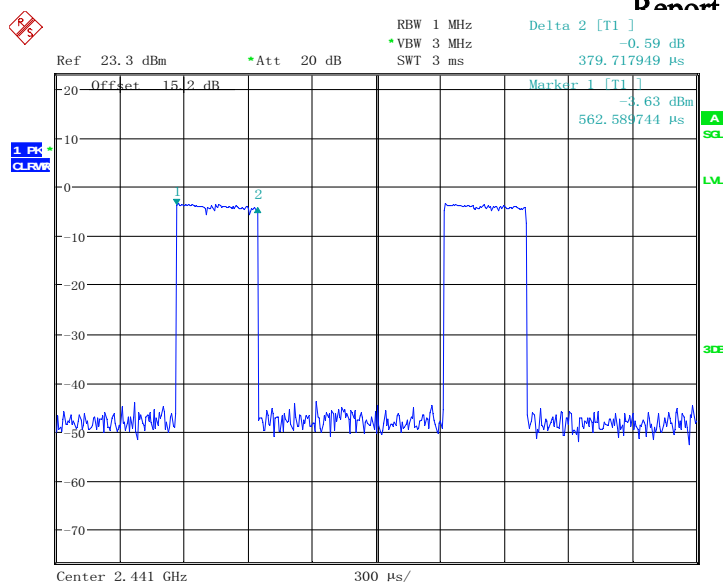
### GFSK DH3



Date: 7. MAY. 2016 15:25:22

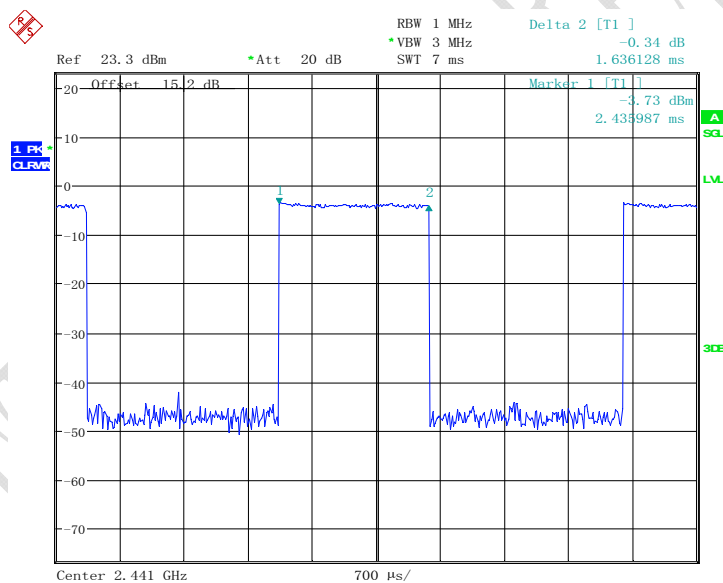
### GFSK DH5

Report No. • R16X50165-BT\_Rev1



Date: 7. MAY. 2016 15:26:18

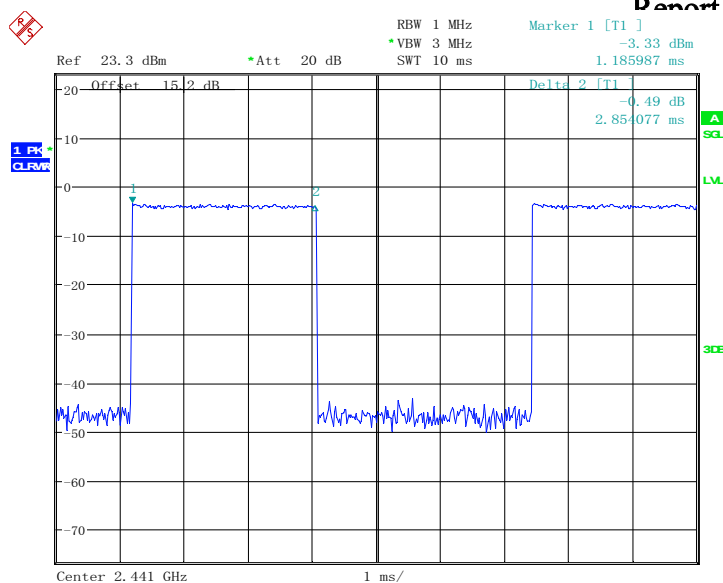
### Pi/4 DQPSK 2DH1



Date: 7. MAY. 2016 15:26:48

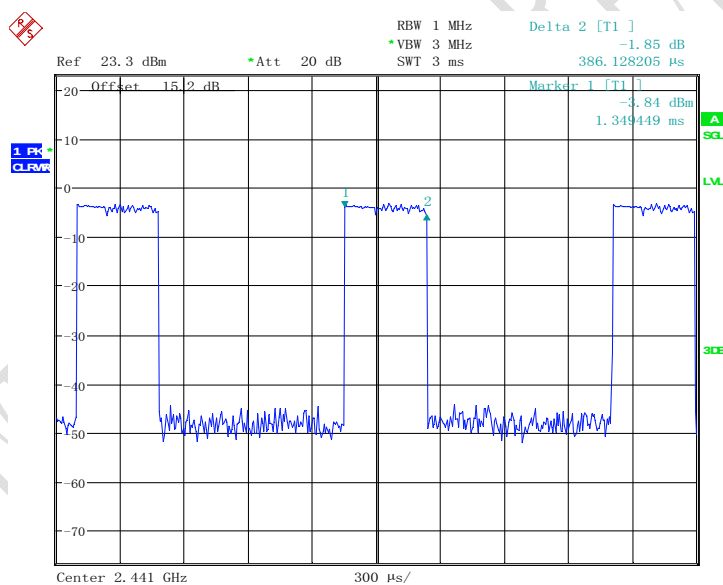
### Pi/4 DQPSK 2DH3

Report No. • R16X50165-BT\_Rev1



Date: 7. MAY. 2016 15:27:21

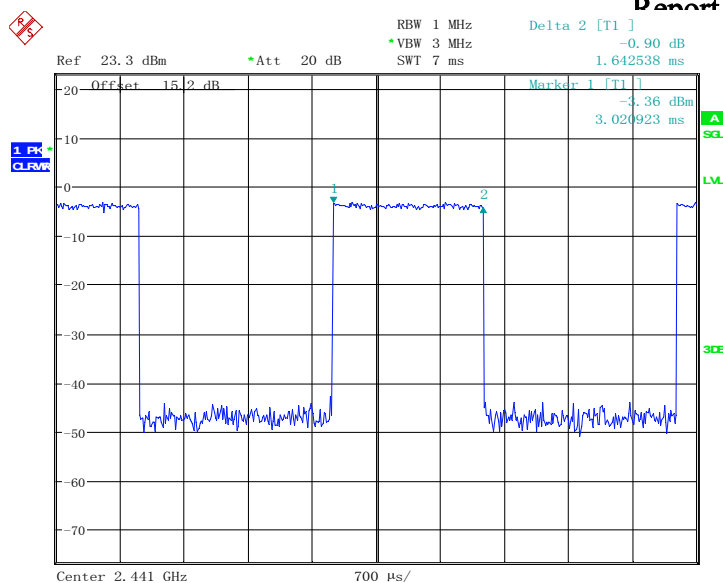
### Pi/4 DQPSK 2DH5



Date: 7. MAY. 2016 15:27:53

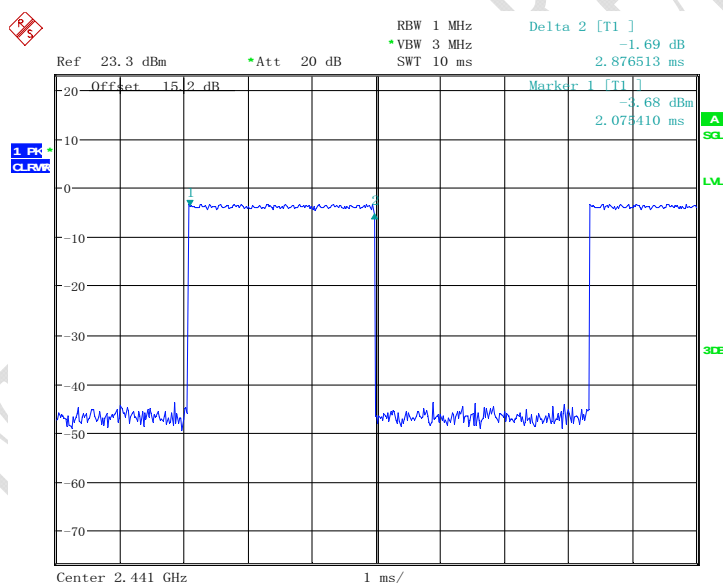
### 8DPSK 3DH1

Report No. : R16X50165-BT\_Rev1



Date: 7. MAY. 2016 15:28:27

### 8DPSK 3DH3



Date: 7. MAY. 2016 15:28:49

### 8DPSK 3DH5

### 5.6 Spurious Measurement (Conducted)

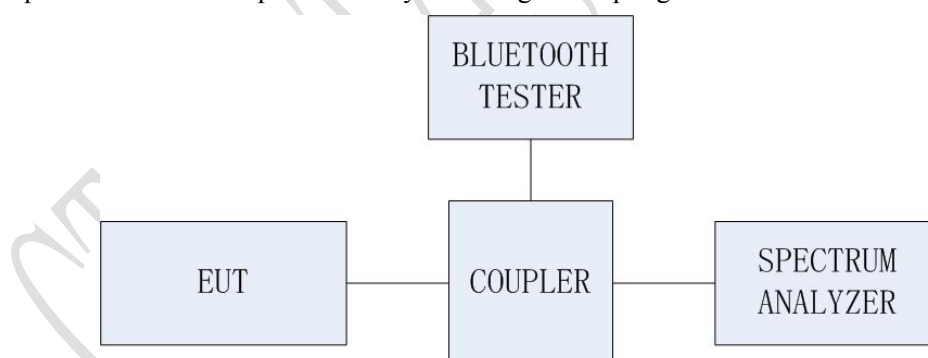
|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Specifications:    | FCC Part 15.209(a), 15.205(a)                                                         |
| DUT Serial Number: | S4/10: 358066070000145                                                                |
| Test conditions:   | Ambient Temperature:15°C-35°C<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |
| Test Results:      | --                                                                                    |

#### Limit

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. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

#### Test Setup

The BLUETOOTH TESTER was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a coupling.



#### Test Procedure

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site. The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 100 KHz. The video bandwidth is set to 300 KHz. Measurements are made over the 30 MHz to 26 GHz range with the transmitter set to the lowest, middle, and highest channels.

The measurement is made according to Public notice FCC Public Notice DA 00-705, March 2000, and ANSI C63.10-2013.

Test Result:  
GFSK

Report No.: B16X50165-BT\_Rev1

| Channel | Frequency Range   | Results |
|---------|-------------------|---------|
| 0       | Center Frequency  | Pass    |
|         | 30 MHz – 1 GHz    | Pass    |
|         | 1 GHz – 3 GHz     | Pass    |
|         | 3 GHz – 10 GHz    | Pass    |
|         | 10 GHz – 26.5 GHz | Pass    |
| 39      | Center Frequency  | Pass    |
|         | 30 MHz – 1 GHz    | Pass    |
|         | 1 GHz – 3 GHz     | Pass    |
|         | 3 GHz – 10 GHz    | Pass    |
|         | 10 GHz – 26.5 GHz | Pass    |
| 78      | Center Frequency  | Pass    |
|         | 30 MHz – 1 GHz    | Pass    |
|         | 1 GHz – 3 GHz     | Pass    |
|         | 3 GHz – 10 GHz    | Pass    |
|         | 10 GHz – 26.5 GHz | Pass    |

Pi/4 DQPSK

| Channel | Frequency Range   | Results |
|---------|-------------------|---------|
| 0       | Center Frequency  | Pass    |
|         | 30 MHz – 1 GHz    | Pass    |
|         | 1 GHz – 3 GHz     | Pass    |
|         | 3 GHz – 10 GHz    | Pass    |
|         | 10 GHz – 26.5 GHz | Pass    |
| 39      | Center Frequency  | Pass    |
|         | 30 MHz – 1 GHz    | Pass    |
|         | 1 GHz – 3 GHz     | Pass    |
|         | 3 GHz – 10 GHz    | Pass    |
|         | 10 GHz – 26.5 GHz | Pass    |

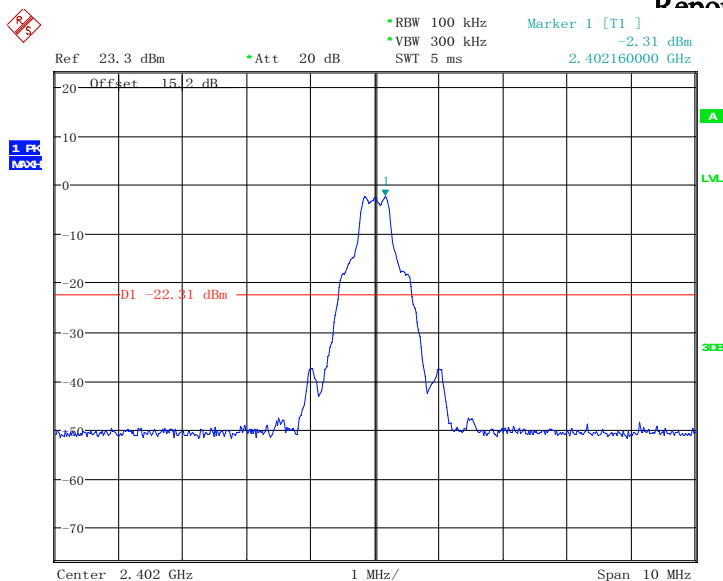
|    |                   |                                       |
|----|-------------------|---------------------------------------|
| 78 | Center Frequency  | Report No.: B16X50163-BT_Rev1<br>Pass |
|    | 30 MHz – 1 GHz    | Pass                                  |
|    | 1 GHz – 3 GHz     | Pass                                  |
|    | 3 GHz – 10 GHz    | Pass                                  |
|    | 10 GHz – 26.5 GHz | Pass                                  |

**8DPSK**

| Channel | Frequency Range   | Results |
|---------|-------------------|---------|
| 0       | Center Frequency  | Pass    |
|         | 30 MHz – 1 GHz    | Pass    |
|         | 1 GHz – 3 GHz     | Pass    |
|         | 3 GHz – 10 GHz    | Pass    |
|         | 10 GHz – 26.5 GHz | Pass    |
| 39      | Center Frequency  | Pass    |
|         | 30 MHz – 1 GHz    | Pass    |
|         | 1 GHz – 3 GHz     | Pass    |
|         | 3 GHz – 10 GHz    | Pass    |
|         | 10 GHz – 26.5 GHz | Pass    |
| 78      | Center Frequency  | Pass    |
|         | 30 MHz – 1 GHz    | Pass    |
|         | 1 GHz – 3 GHz     | Pass    |
|         | 3 GHz – 10 GHz    | Pass    |
|         | 10 GHz – 26.5 GHz | Pass    |

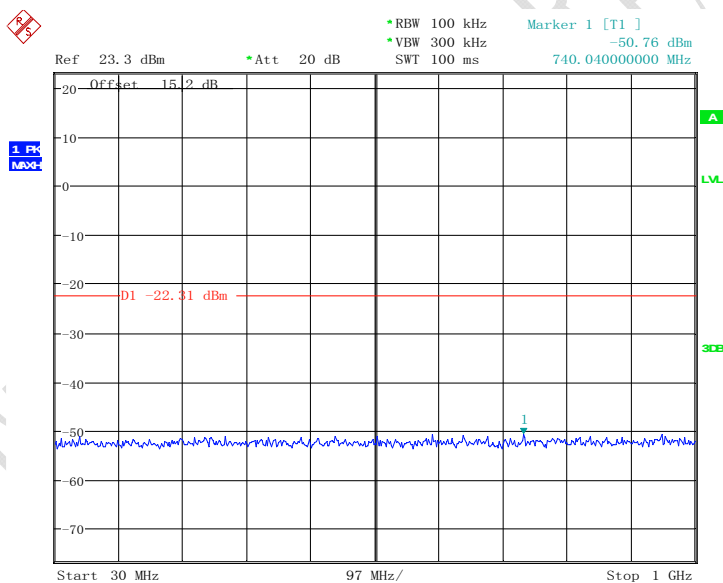
Graphical results:

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 15:47:25

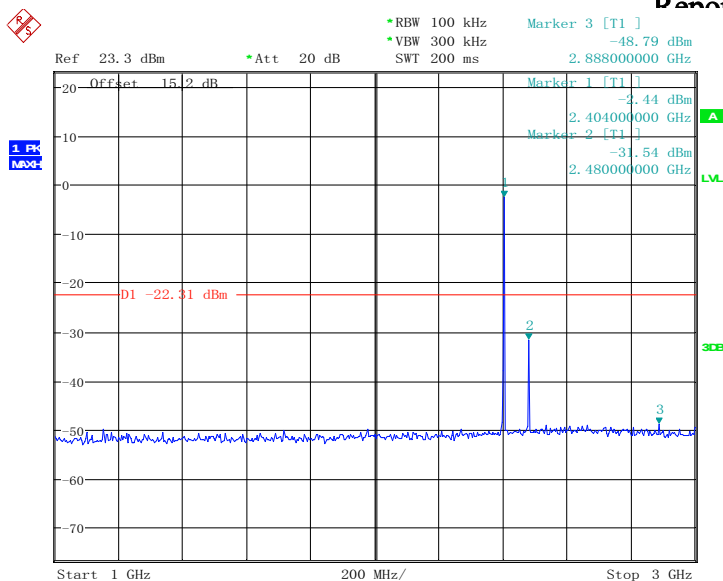
### GFSK CH0 Center Frequency



Date: 7. MAY. 2016 15:52:46

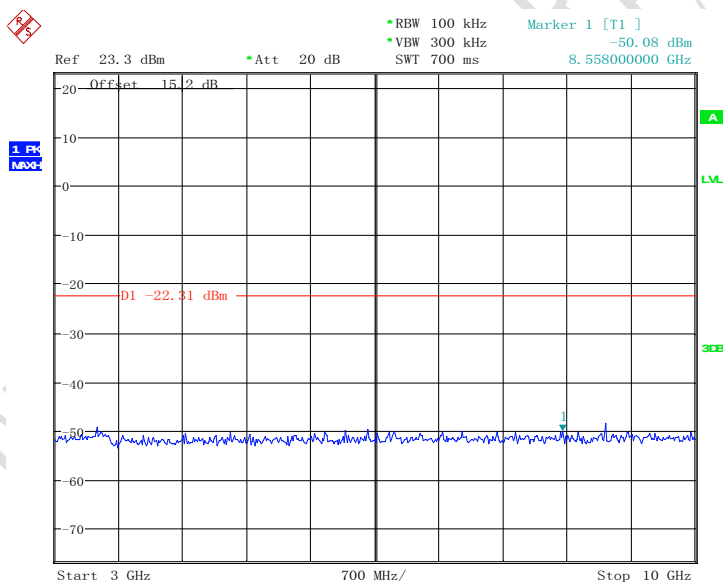
### GFSK CH0 30MHz – 1GHz

Report No. B16X50165-BT\_Rev1



Date: 7. MAY. 2016 15:54:03

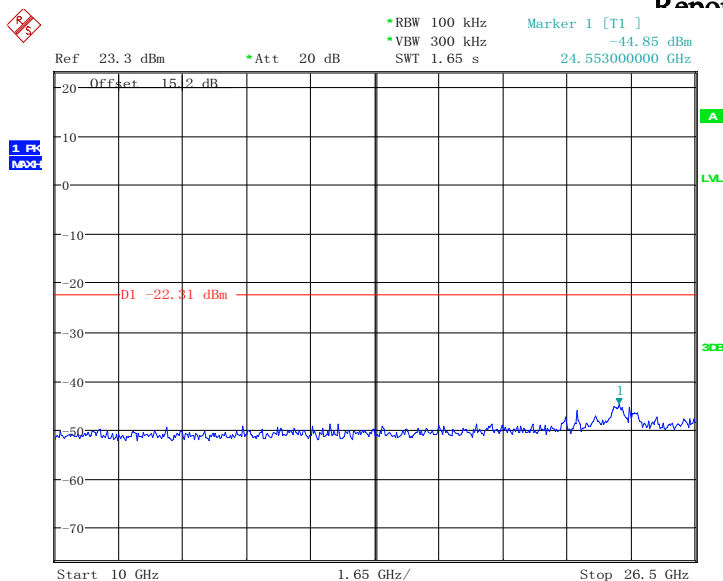
### GFSK CH0 1GHz - 3GHz



Date: 7. MAY. 2016 15:54:35

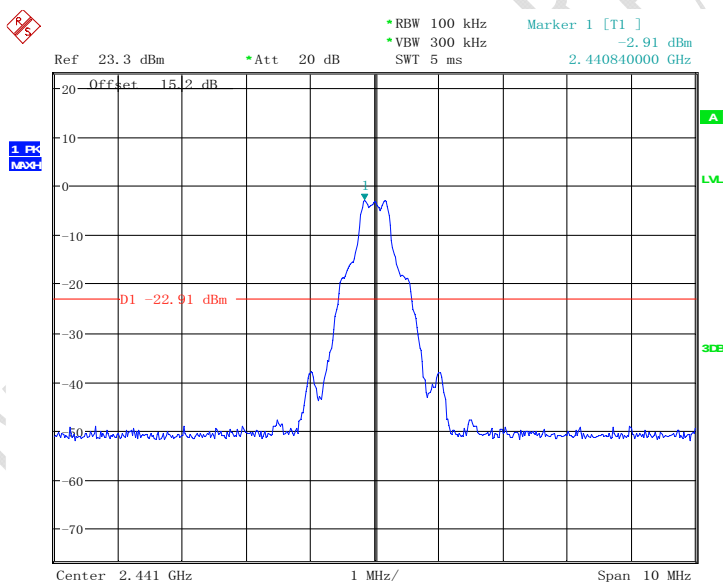
### GFSK CH0 3GHz - 10GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 15:55:54

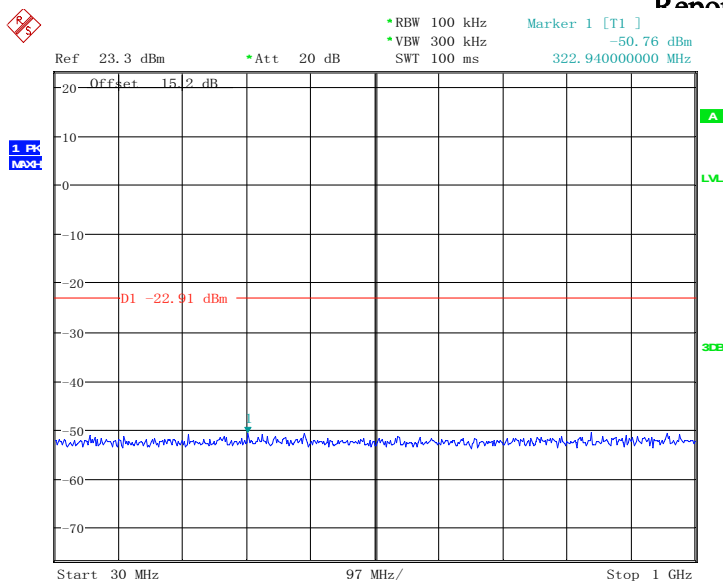
### GFSK CH0 10GHz – 26.5GHz



Date: 7. MAY. 2016 15:58:00

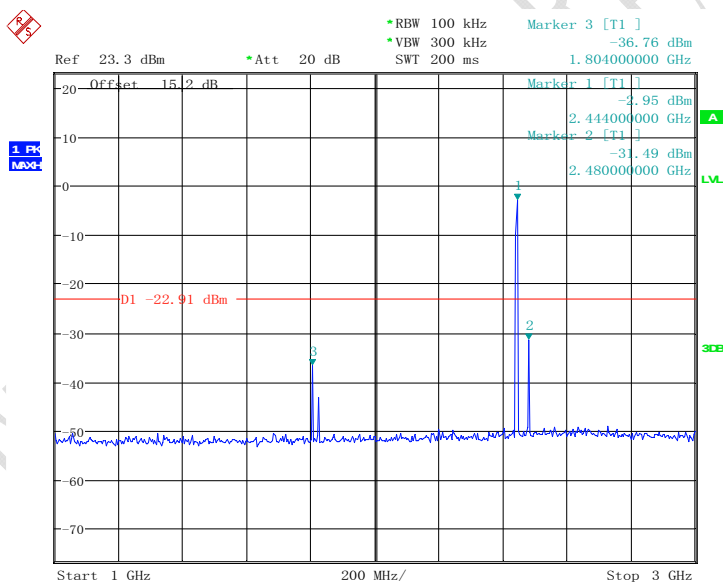
### GFSK CH39 Center Frequency

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 15:58:45

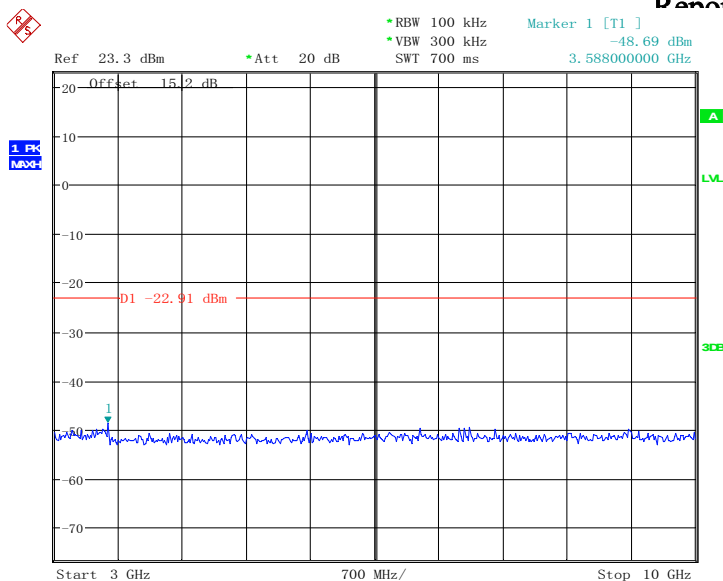
### GFSK CH39 30MHz - 1GHz



Date: 7. MAY. 2016 15:59:34

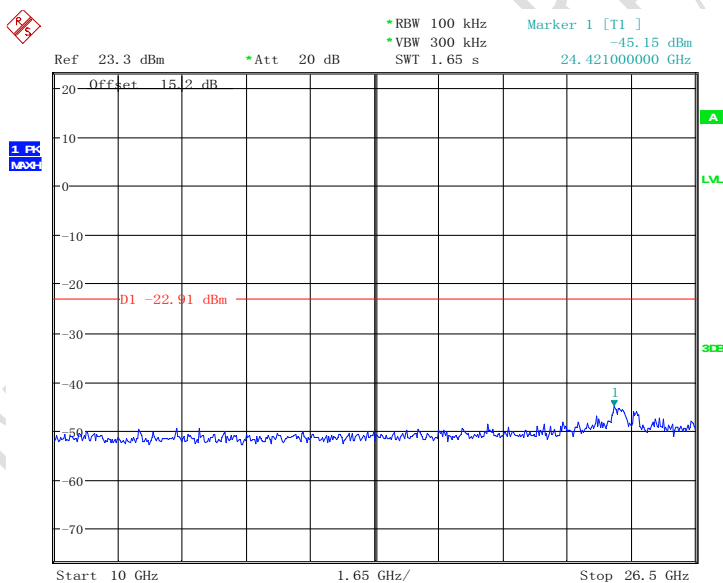
### GFSK CH39 1GHz - 3GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:00:13

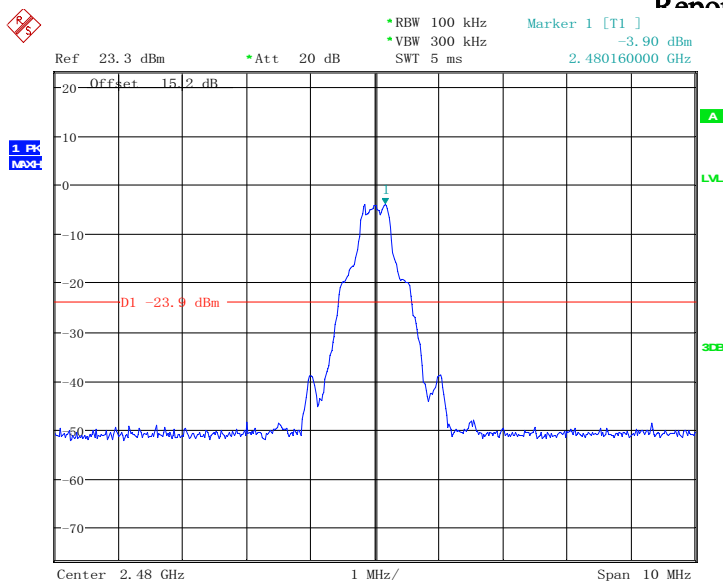
### GFSK CH39 3GHz – 10GHz



Date: 7. MAY. 2016 16:00:37

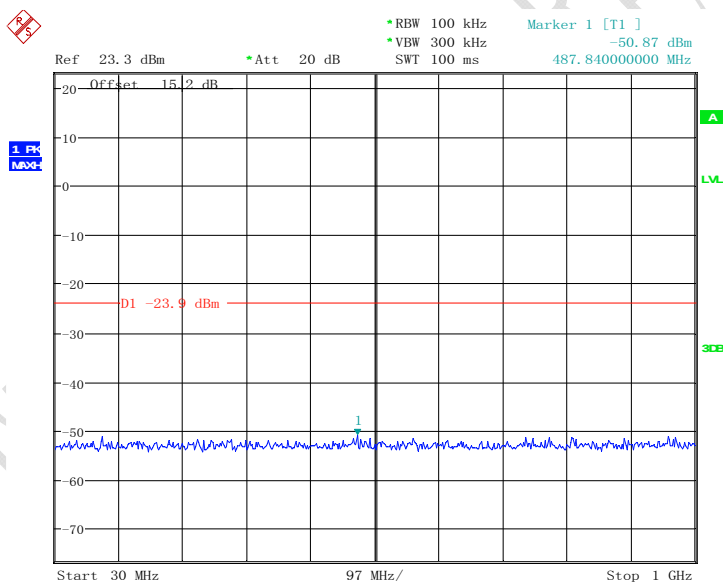
### GFSK CH39 10GHz – 26.5GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:02:14

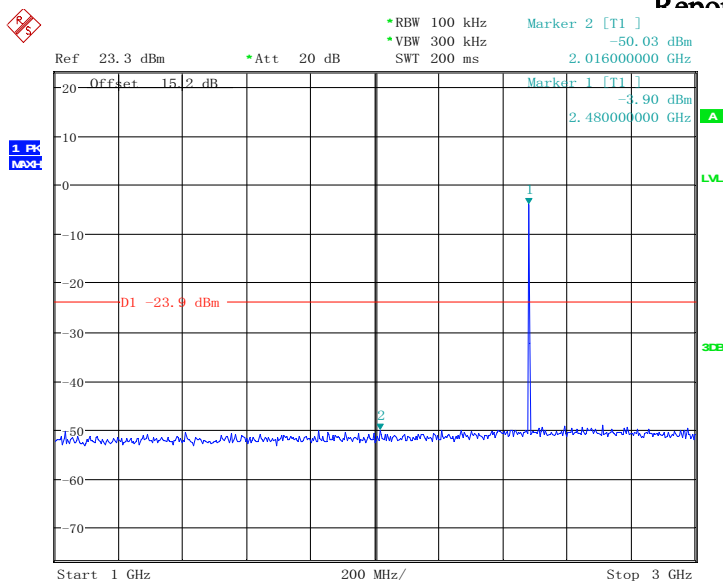
### GFSK CH78 Center Frequency



Date: 7. MAY. 2016 16:02:35

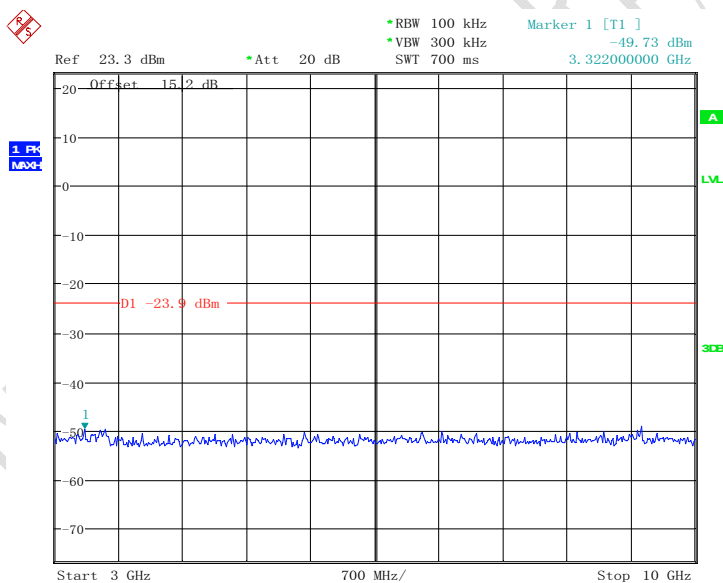
### GFSK CH78 30MHz – 1GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:07:58

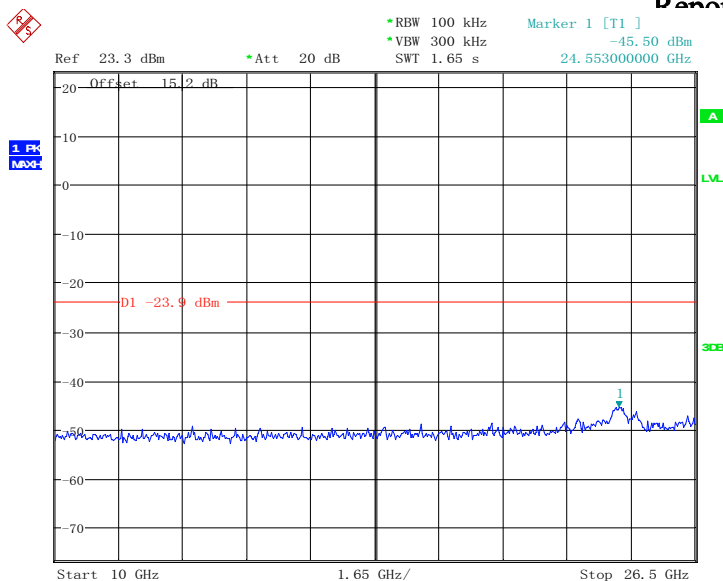
### GFSK CH78 1GHz - 3GHz



Date: 7. MAY. 2016 16:08:20

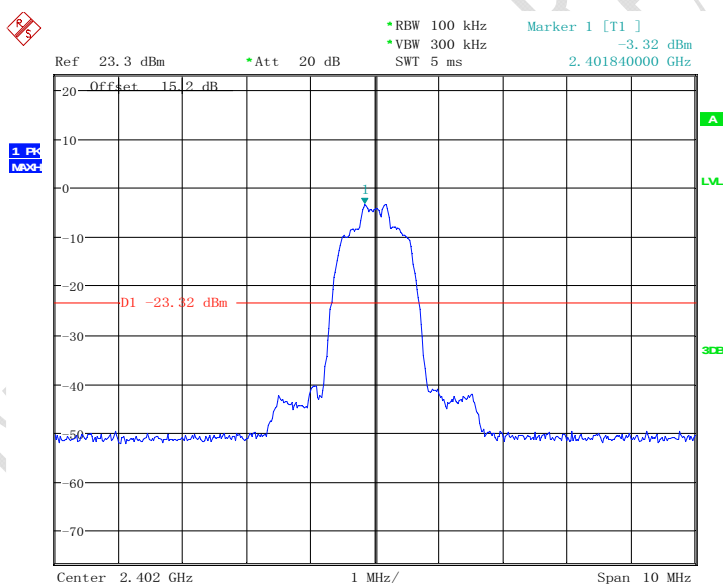
### GFSK CH78 3GHz - 10GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:08:57

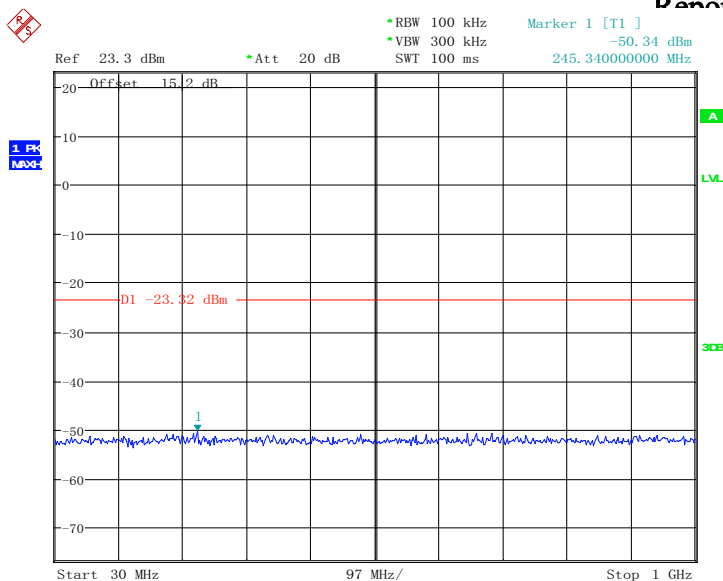
### GFSK CH78 10GHz - 26.5GHz



Date: 7. MAY. 2016 16:10:24

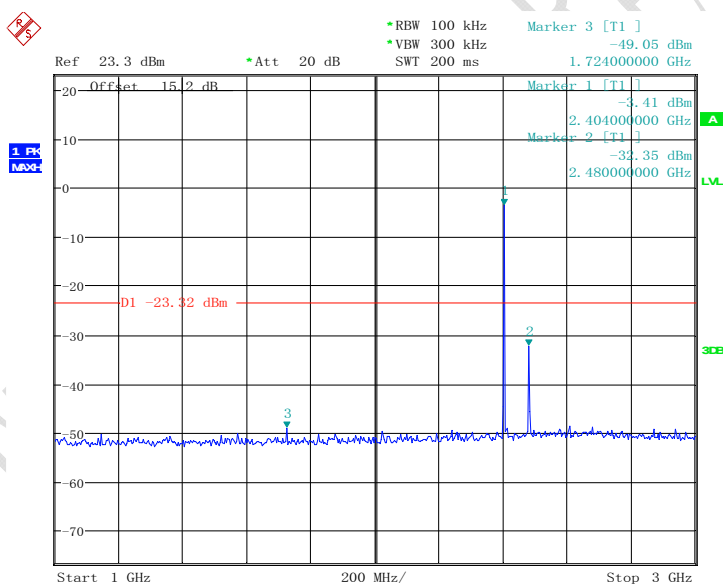
### PI/4 DQPSK CH0 Center Frequency

Report No. · B16X50165-BT\_Rev1



Date: 7.MAY.2016 16:11:24

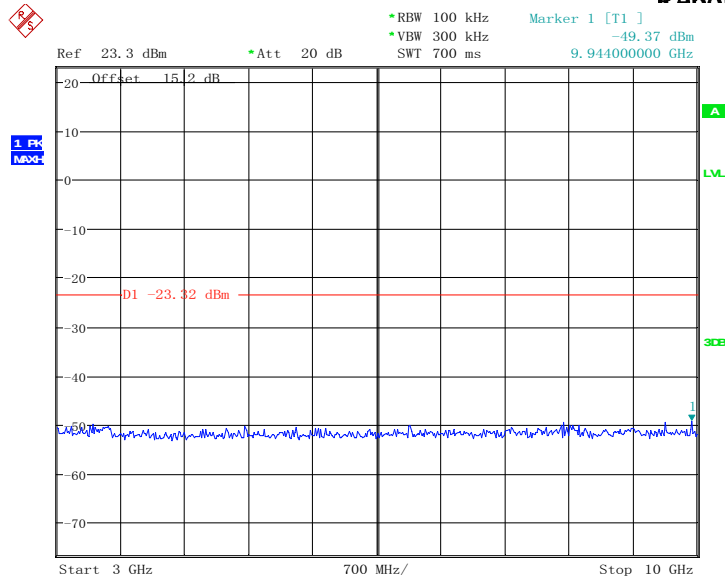
### PI/4 DQPSK CH0 30MHz - 1GHz



Date: 7.MAY.2016 16:14:45

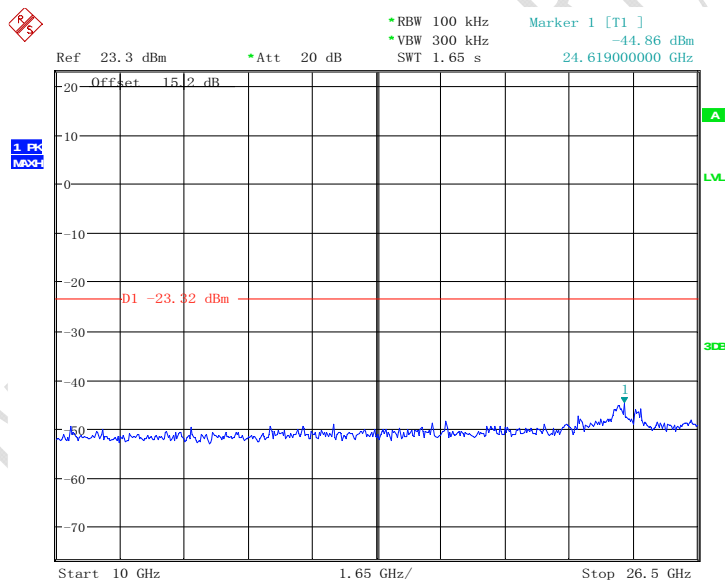
### PI/4 DQPSK CH0 1GHz - 3GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:15:36

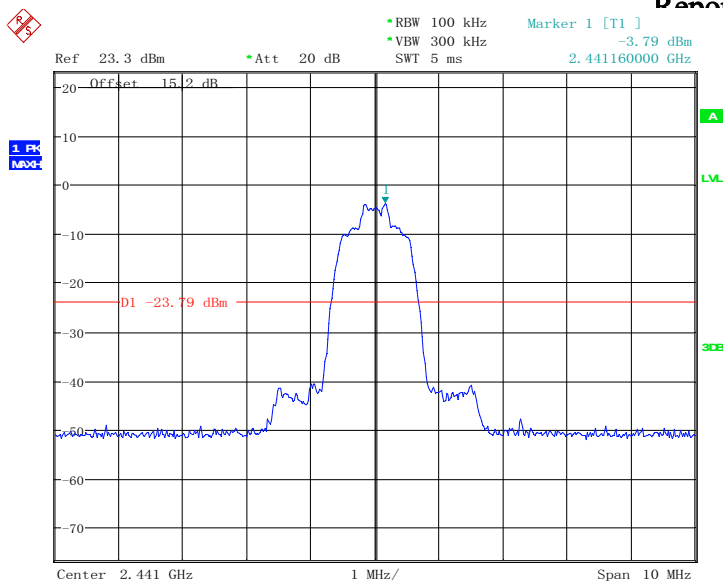
### PI/4 DQPSK CH0 3GHz - 10GHz



Date: 7. MAY. 2016 16:16:59

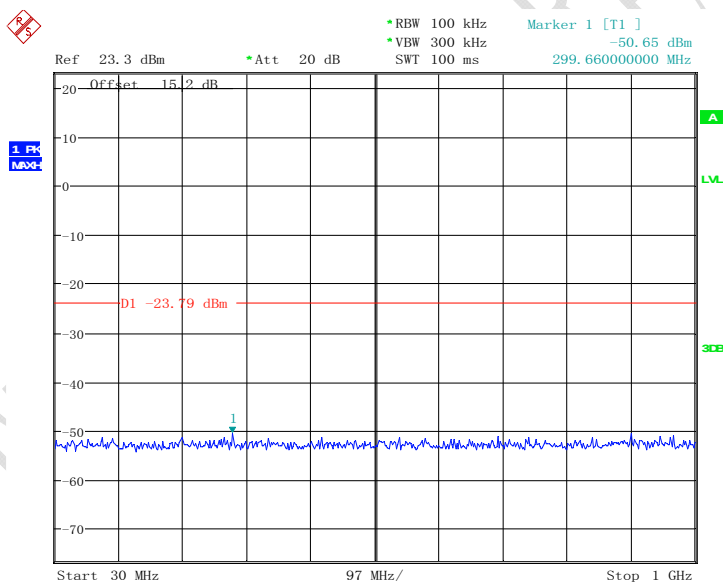
### PI/4 DQPSK CH0 10GHz - 26.5GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:18:35

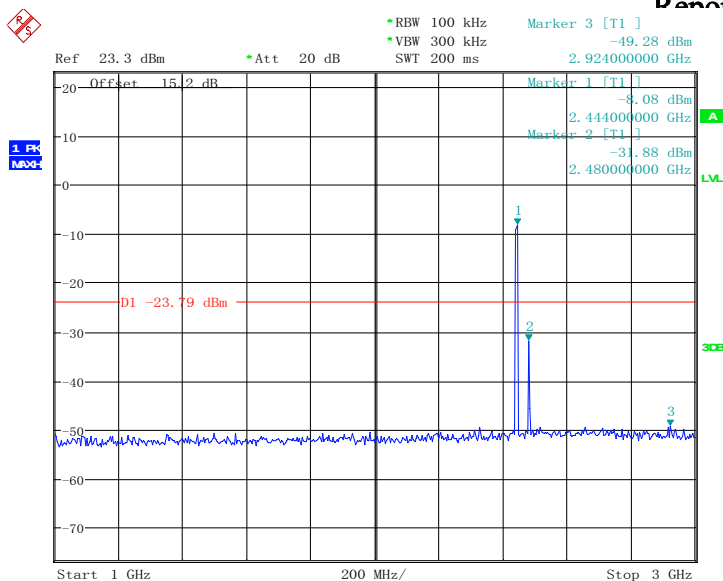
### PI/4 DQPSK CH39 Center Frequency



Date: 7. MAY. 2016 16:26:45

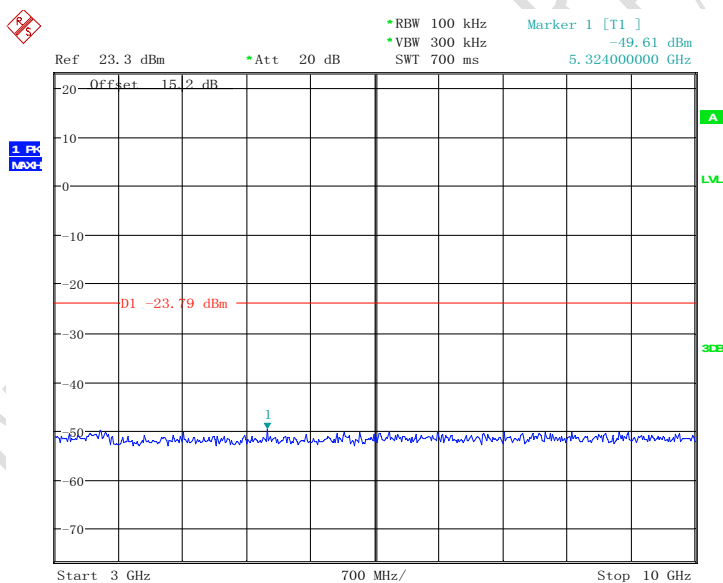
### PI/4 DQPSK CH39 30MHz – 1GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:29:14

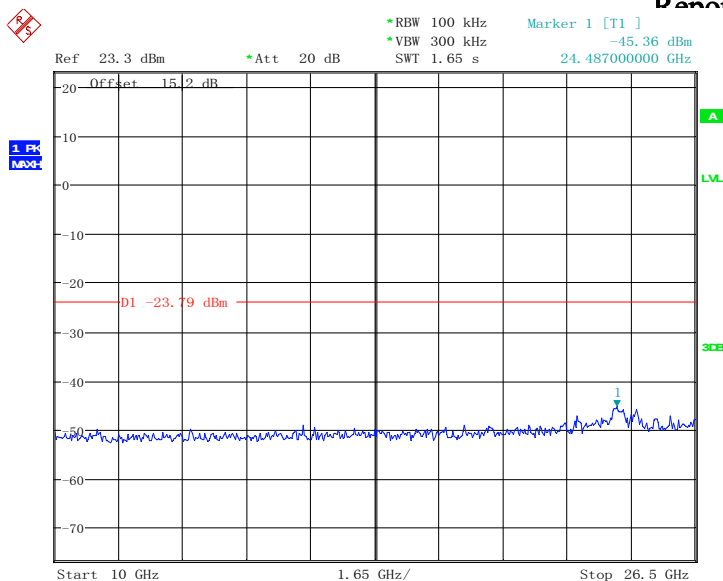
### PI/4 DQPSK CH39 1GHz - 3GHz



Date: 7. MAY. 2016 16:29:41

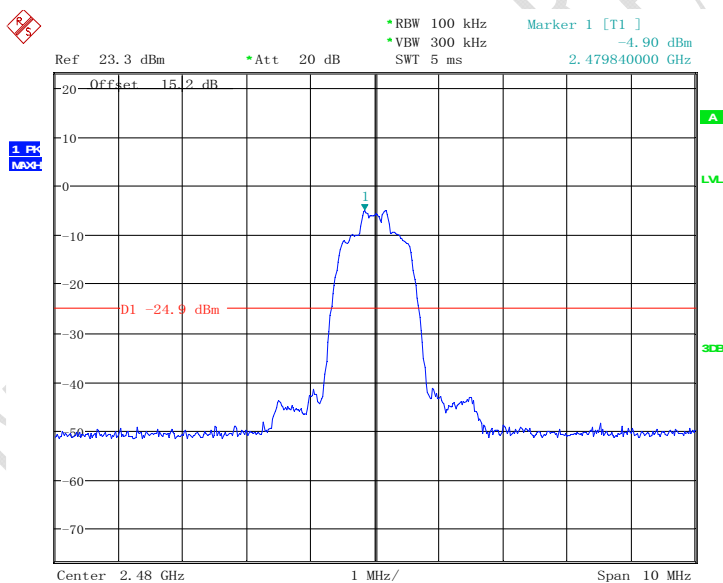
### PI/4 DQPSK CH39 3GHz - 10GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:30:14

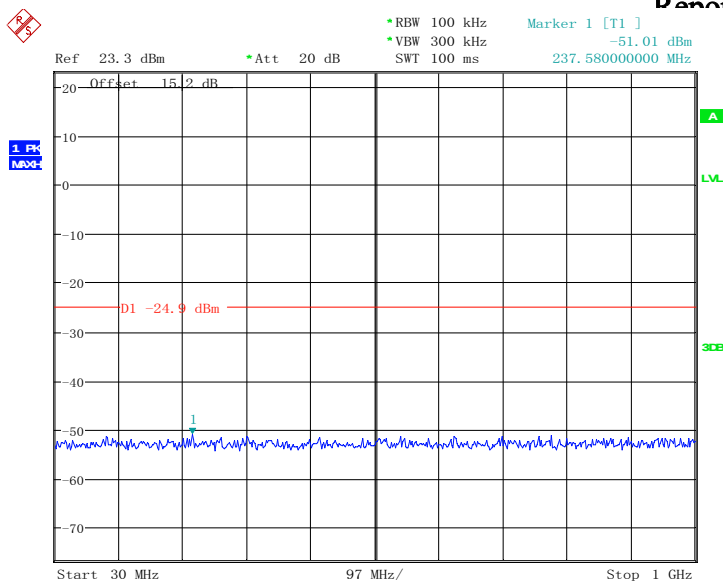
### PI/4 DQPSK CH39 10GHz - 26.5GHz



Date: 7. MAY. 2016 16:32:31

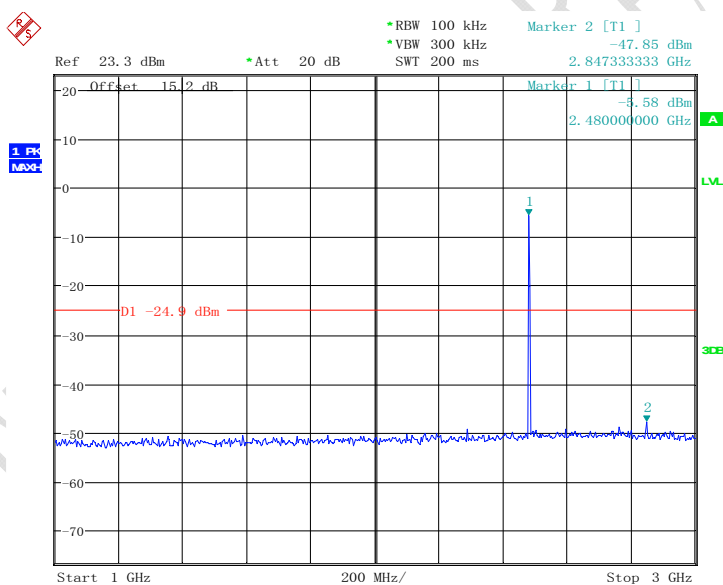
### PI/4 DQPSK CH78 Center Frequency

Report No. • B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:32:52

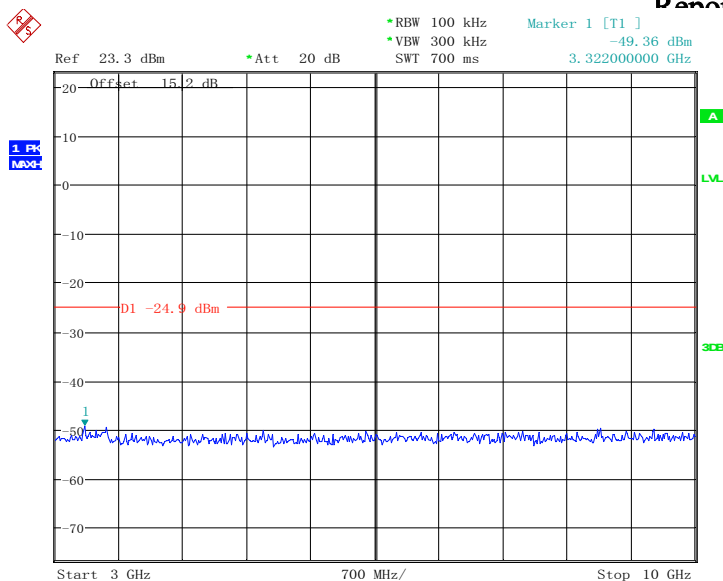
### PI/4 DQPSK CH78 30MHz – 1GHz



Date: 7. MAY. 2016 16:33:46

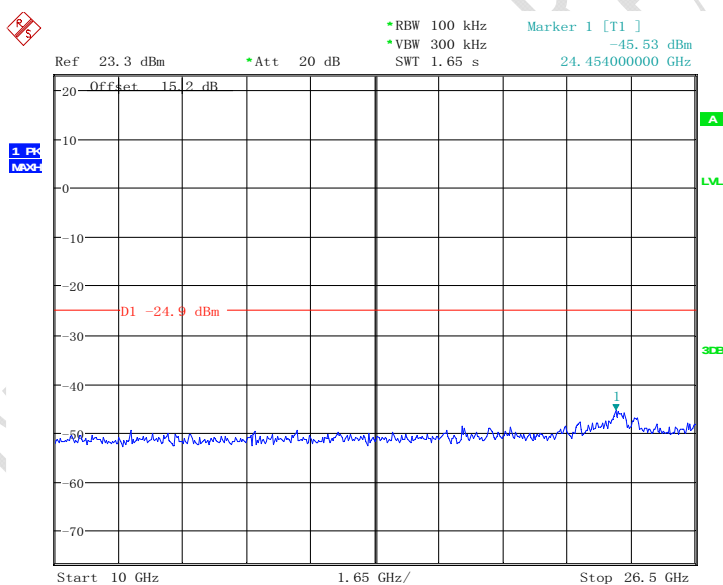
### PI/4 DQPSK CH78 1GHz – 3GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:34:06

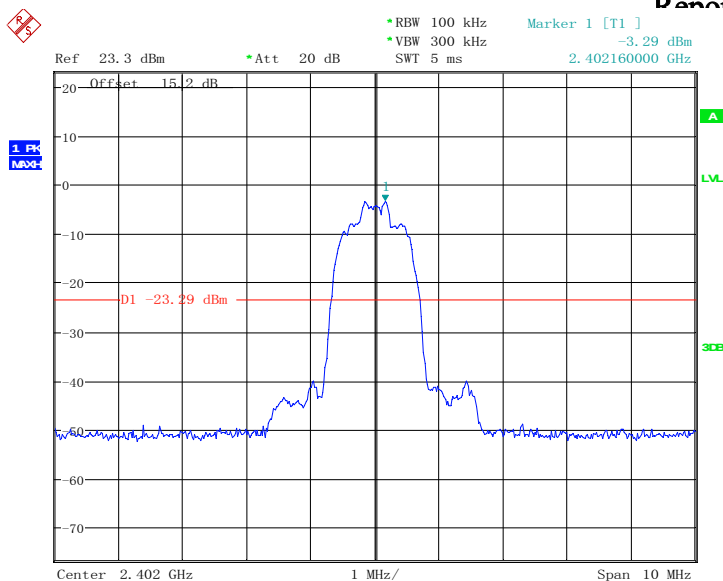
### PI/4 DQPSK CH78 3GHz - 10GHz



Date: 7. MAY. 2016 16:34:34

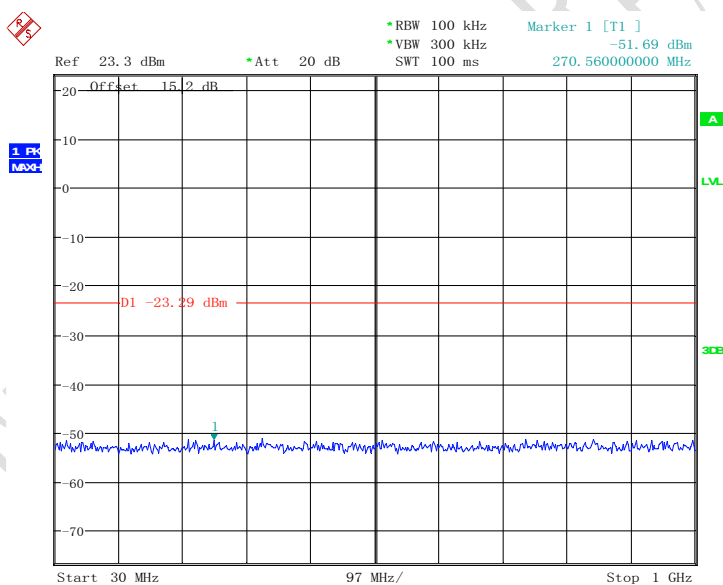
### PI/4 DQPSK CH78 10GHz - 26.5GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:38:35

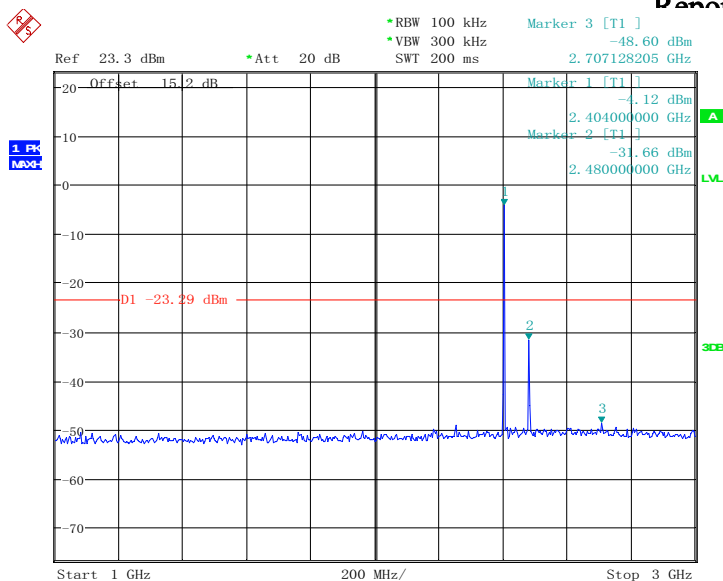
### 8DPSK CH0 Center Frequency



Date: 7. MAY. 2016 16:38:54

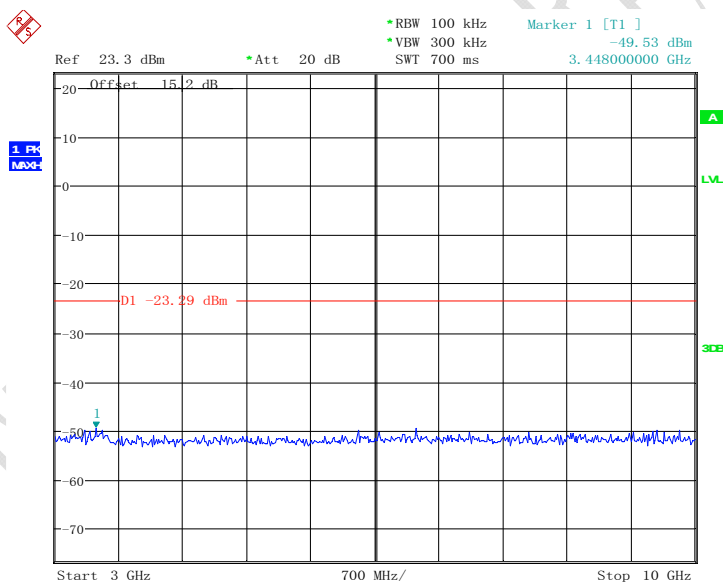
### 8DPSK CH0 30MHz - 1GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:39:41

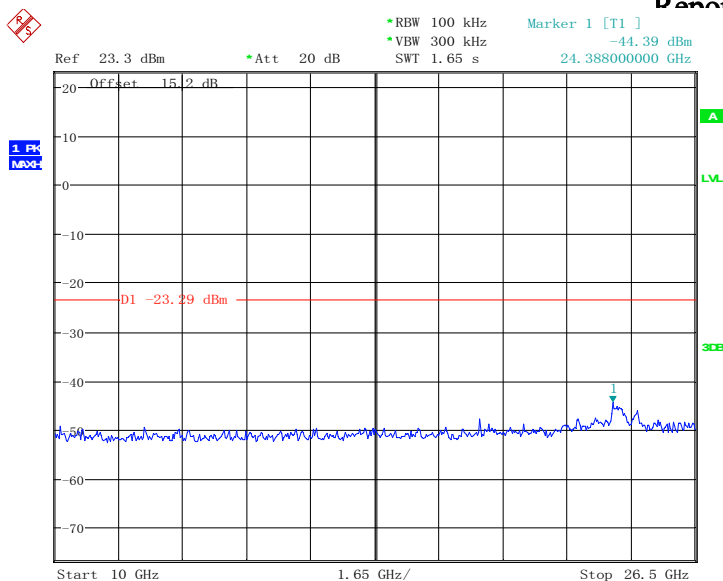
### 8DPSK CH0 1GHz – 3GHz



Date: 7. MAY. 2016 16:40:00

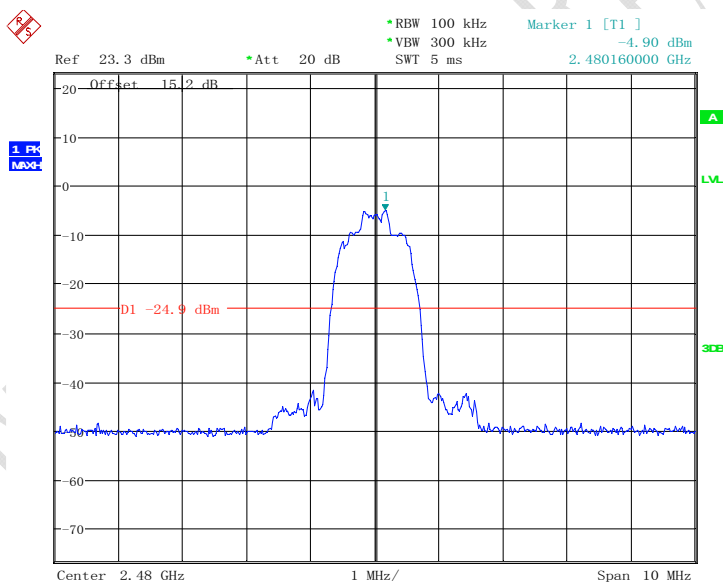
### 8DPSK CH0 3GHz – 10GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:40:32

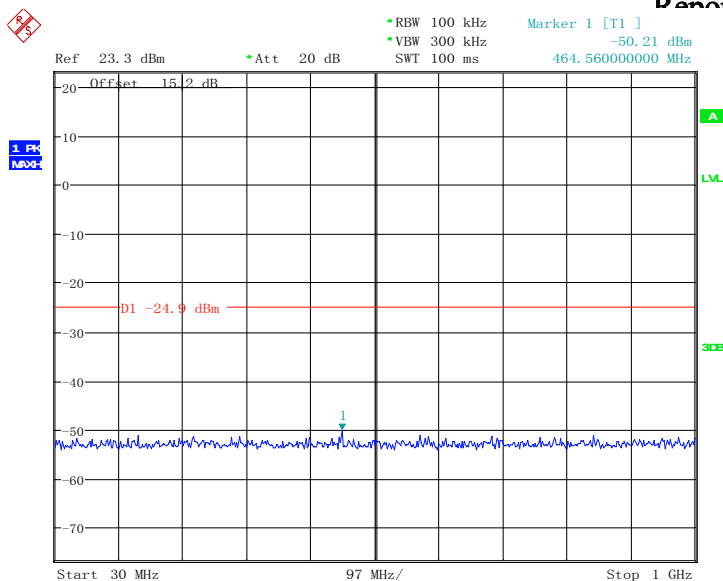
### 8DPSK CH0 10GHz - 26.5GHz



Date: 7. MAY. 2016 16:52:05

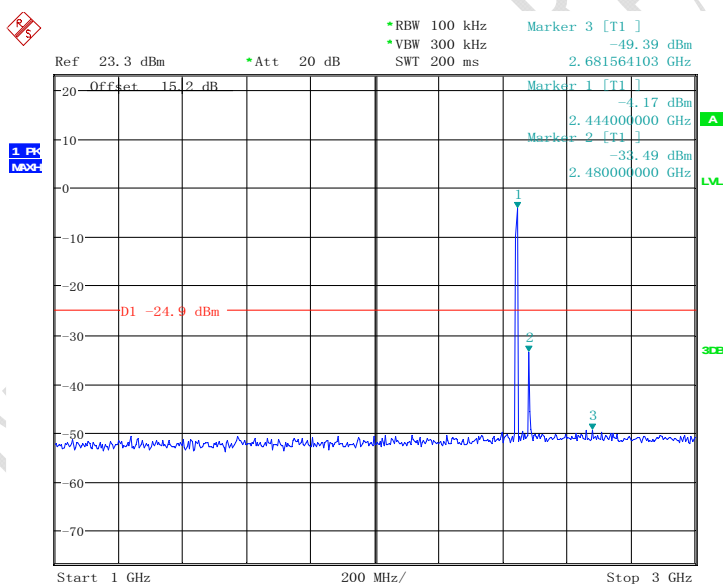
### 8DPSK CH39 Center Frequency

Report No. B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:52:22

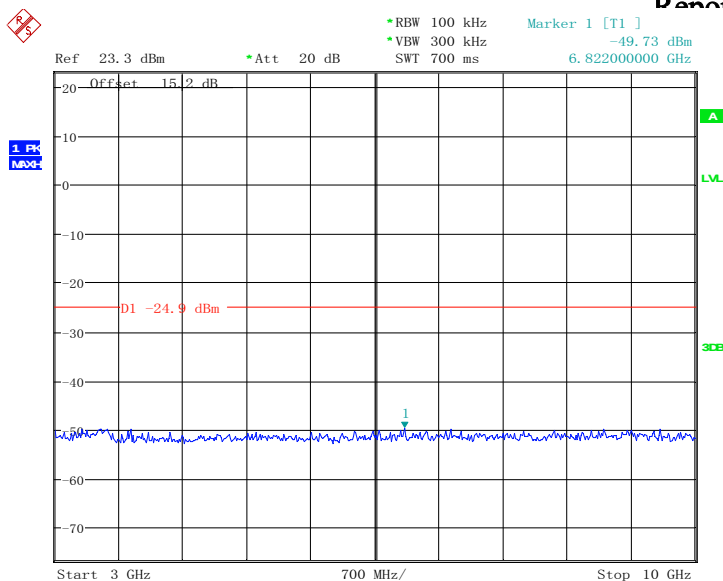
### 8DPSK CH39 30MHz - 1GHz



Date: 7. MAY. 2016 16:53:28

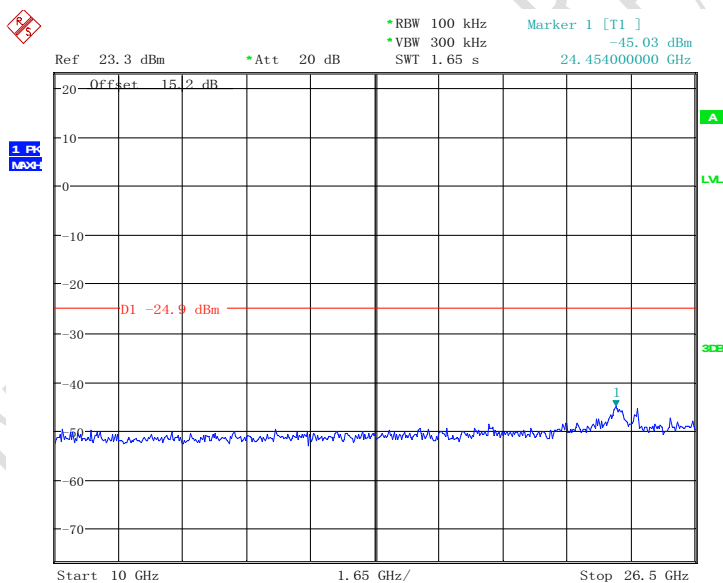
### 8DPSK CH39 1GHz - 3GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:54:05

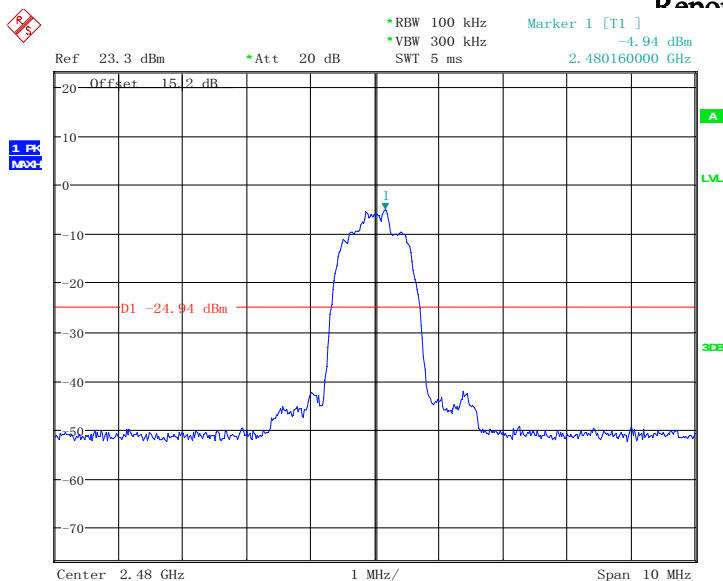
### 8DPSK CH39 3GHz – 10GHz



Date: 7. MAY. 2016 16:54:33

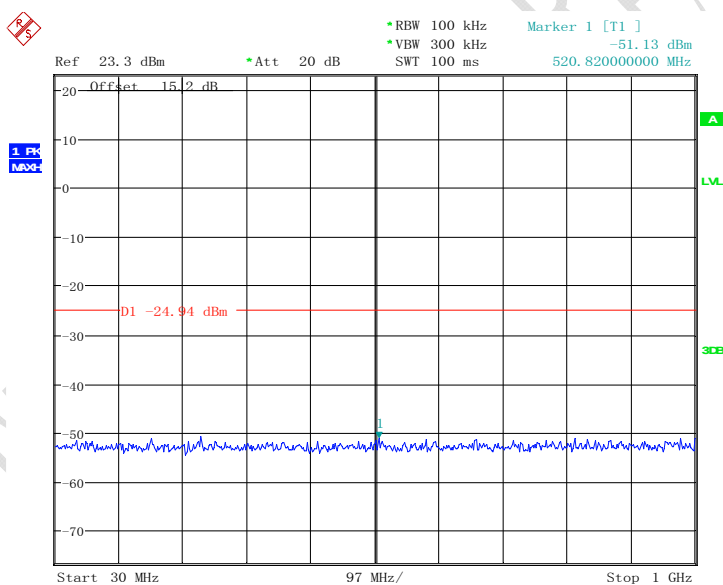
### 8DPSK CH39 10GHz – 26.5GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:55:42

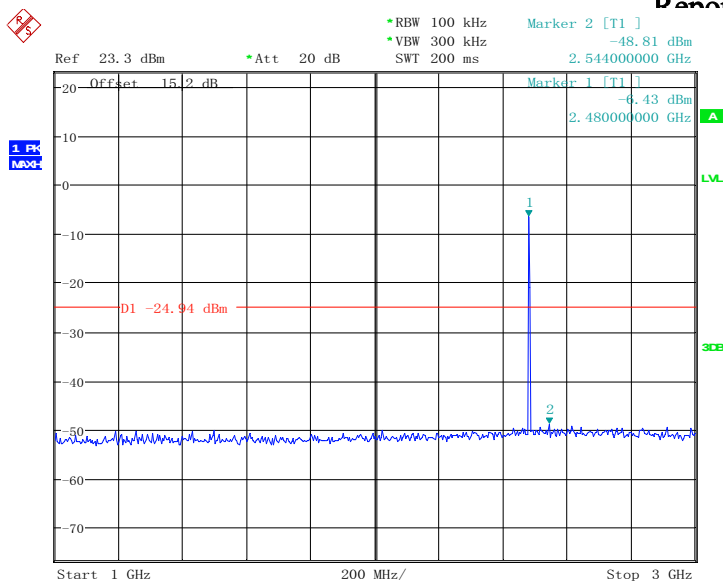
### 8DPSK CH78 Center Frequency



Date: 7. MAY. 2016 16:56:04

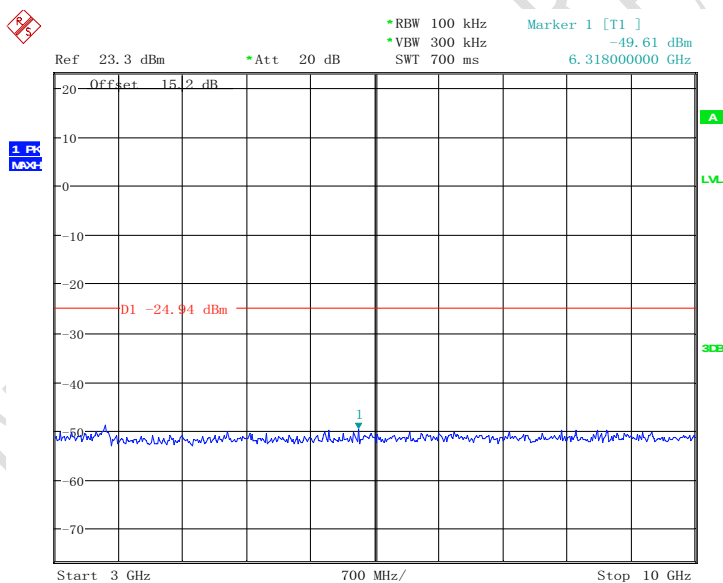
### 8DPSK CH78 30MHz – 1GHz

Report No. · B16X50165-BT\_Rev1



Date: 7. MAY. 2016 16:56:46

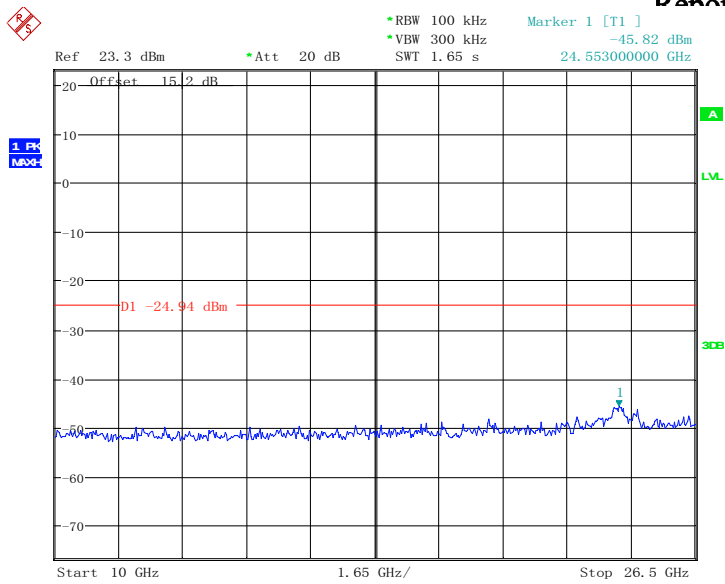
### 8DPSK CH78 1GHz - 3GHz



Date: 7. MAY. 2016 16:57:23

### 8DPSK CH78 3GHz - 10GHz

Report No. B16X50165-BT\_Rev1



Date: 7.MAY.2016 16:57:48

8DPSK CH78 10GHz – 26.5GHz

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## 5.7 Ratio Radiated Emission Measurement

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Specifications:    | FCC Part 15.209(a) and 15.205(a)                                                      |
| DUT Serial Number: | S8/10: 358066070000665                                                                |
| Test conditions:   | Ambient Temperature:15°C-35°C<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |
| Test Results:      | --                                                                                    |

## Limit

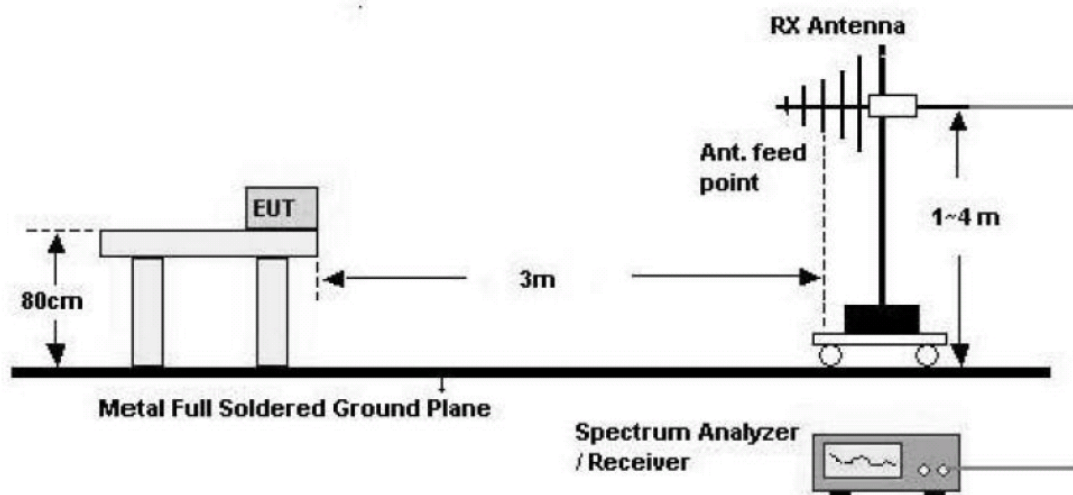
1. 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed

| Frequency (MHz) | Field Strength (uV/m) | Measurement Distance (m) |
|-----------------|-----------------------|--------------------------|
| 1.705-30        | 30                    | 30                       |
| 30-88           | 100                   | 3                        |
| 88-216          | 150                   | 3                        |
| 216-960         | 200                   | 3                        |
| Above 960       | 500                   | 3                        |

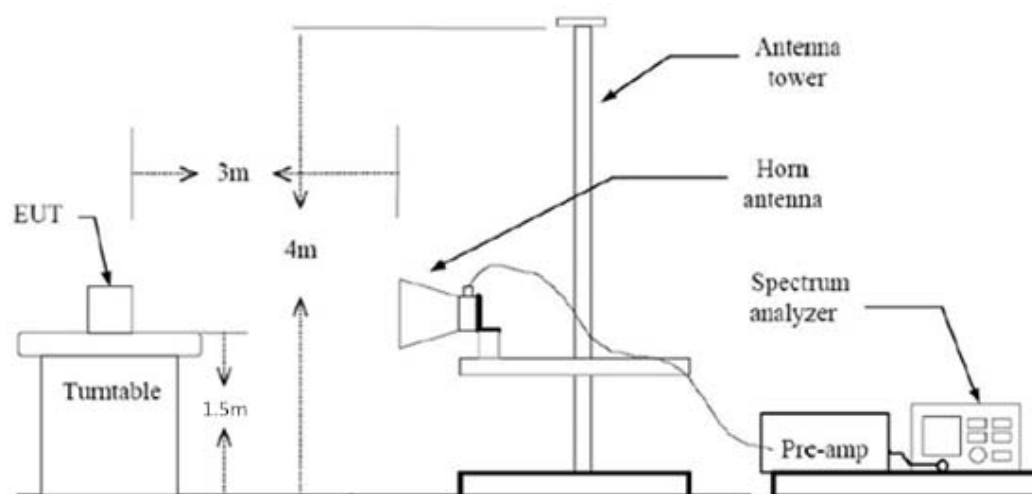
## Test Setup

The EUT was placed in an anechoic chamber. The BLUETOOTH TESTER was used to set the TX channel and power level. The transmitter output is connected to Spectrum analyzer through a Bilog antenna (for frequency 30MHz-1GHz) or a horn antenna (for frequency above 1GHz).

30MHz-1GHz:



Above 1GHz:



### Test Procedure

1. The EUT is placed on a turntable.
2. The turntable shall be rotated for 360 degrees on EUT's x, y and z axis to determine the position of maximum emission level.
3. EUT is set 3 m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.

The measurement is made according to Public notice FCC Public Notice DA 00-705, March 2000, and ANSI C63.4-2014.

### Test Settings:

| Frequency Range (MHz) | RBW/VBW       | Sweep time (s) |
|-----------------------|---------------|----------------|
| 30 – 1000             | 100kHz/300kHz | 5              |
| 1000 – 4000           | 1MHz/3MHz     | 15             |
| 4000 – 18000          | 1MHz/3MHz     | 40             |
| 18000 – 26500         | 1MHz/3MHz     | 20             |

Note: Considering the GFSK modulation with packet type DH5 has the maximum transmission power, so only this mode is tested.

Test result:

Report No.: B16X50165-BT\_Rev1

| Channel      | Frequency Range  | Results |
|--------------|------------------|---------|
| Channel 0    | 30MHz – 1GHz     | Pass    |
|              | 1 GHz – 3GHz     | Pass    |
|              | 2.38GHz-2.45GHz* | Pass    |
|              | 3 GHz – 18 GHz   | Pass    |
| Channel 39   | 30MHz – 1GHz     | Pass    |
|              | 1 GHz – 3GHz     | Pass    |
|              | 2.4GHz-2.48GHz*  | Pass    |
|              | 3 GHz – 18 GHz   | Pass    |
| Channel 78   | 30MHz – 1GHz     | Pass    |
|              | 1 GHz – 3GHz     | Pass    |
|              | 2.45GHz-2.5GHz*  | Pass    |
|              | 3 GHz – 18 GHz   | Pass    |
| All channels | 18GHz-26.5GHz    | Pass    |

Note\*: these tests demonstrate the radiated band-edge test results

**Notes:**

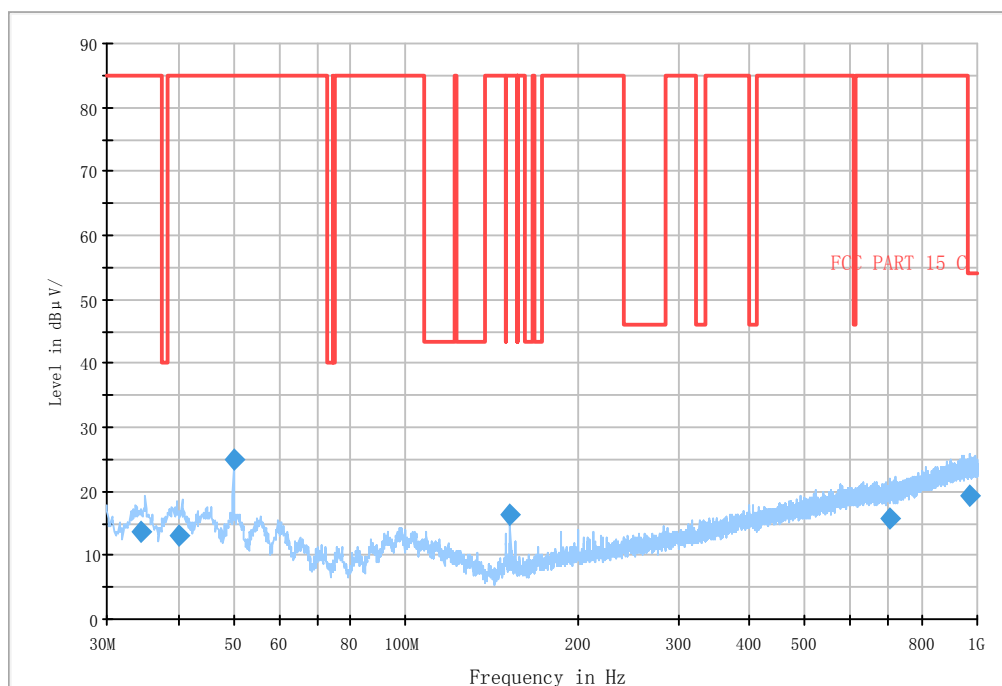
1. Radiated emissions were measured with an instrument using Quasi-peak detector mode in frequency range from 30 MHz to 1000MHz, and with peak detector mode in frequency range from 1GHz – 26.5 GHz.

2 Total dBuV/m = Reading dBuV/m – Cable Loss dB + Antenna Gain dB.

Test Plots:

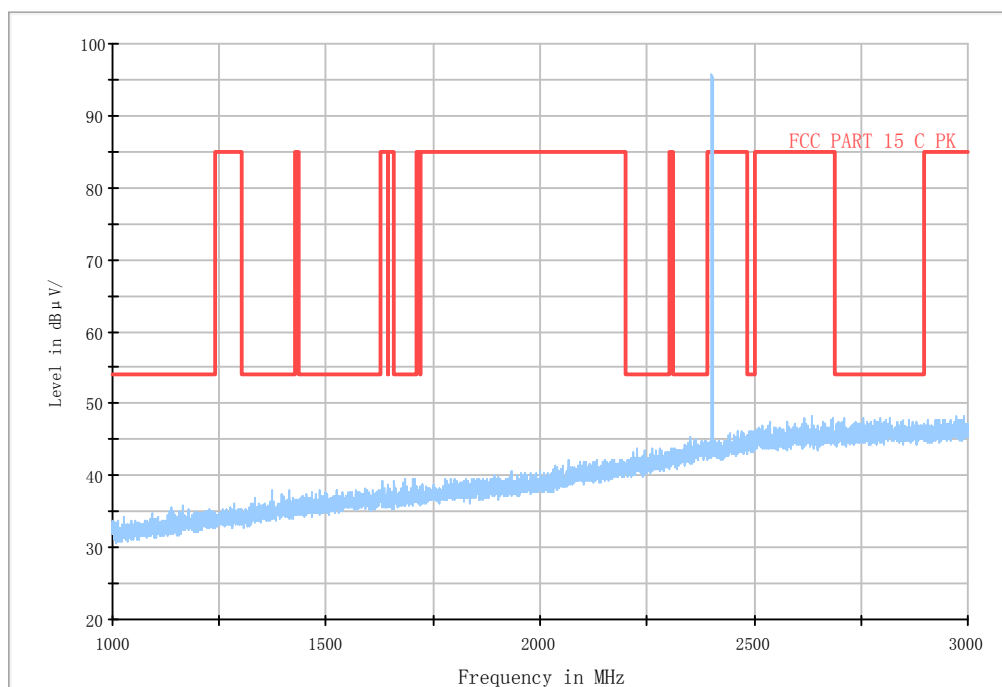
Report No.: B16X50165-BT\_Rev1

RE 30MHz-1GHz



GFSK DH5 Channel 0 30MHz-1GHz

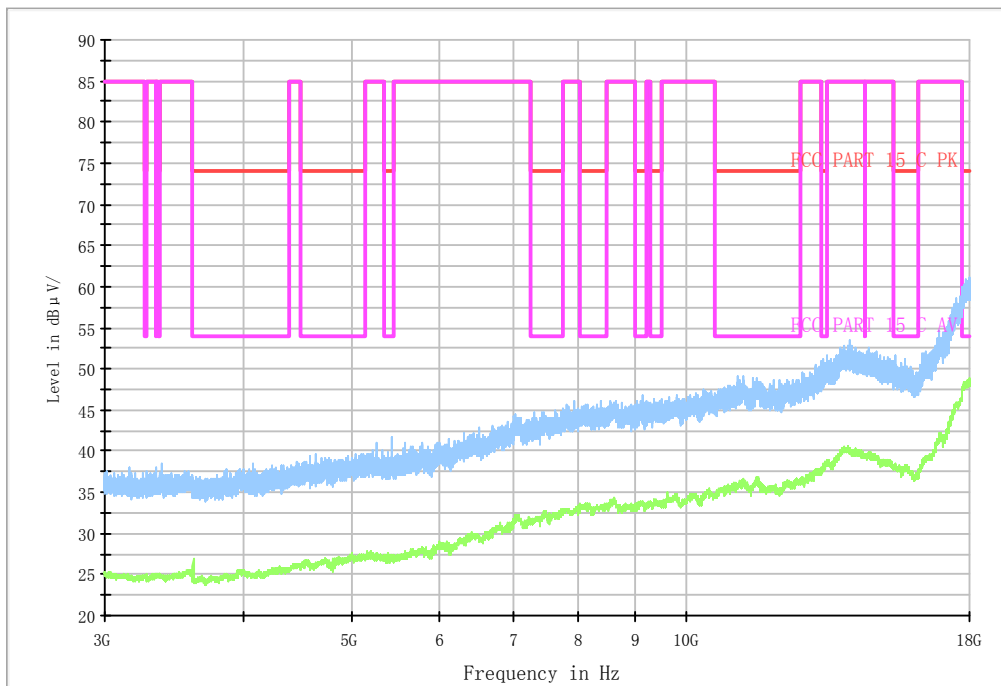
RE 1GHz-3GHz



GFSK DH5 Channel 0 1-3GHz

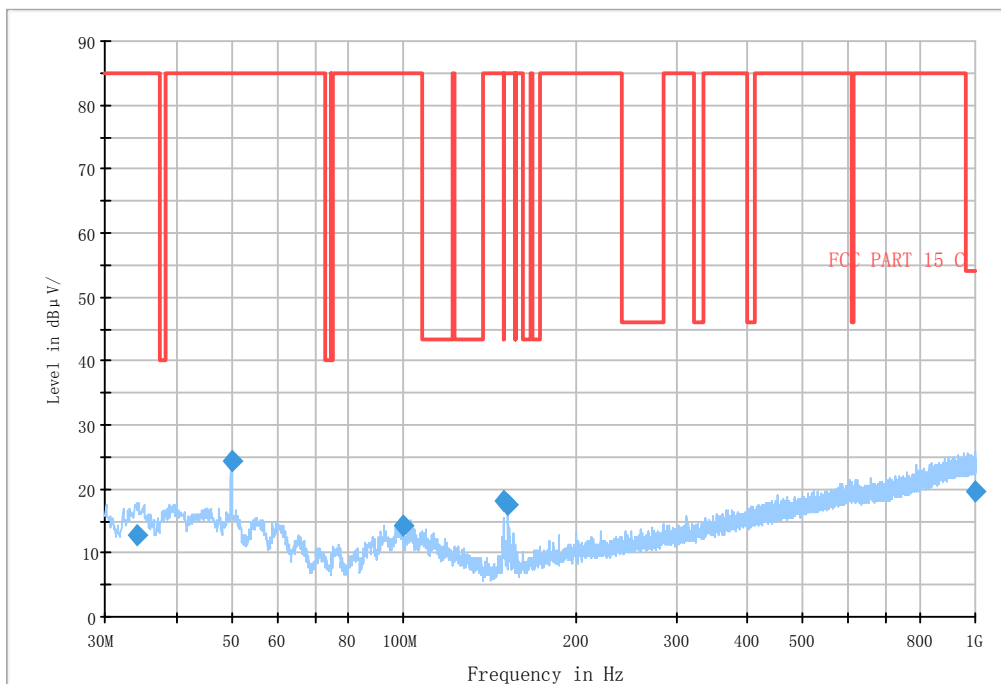
RE 3GHz-18GHz

DH5 Channel 0 3G-18G-BT\_Rev1



GFSK DH5 Channel 0 3G-18GHz

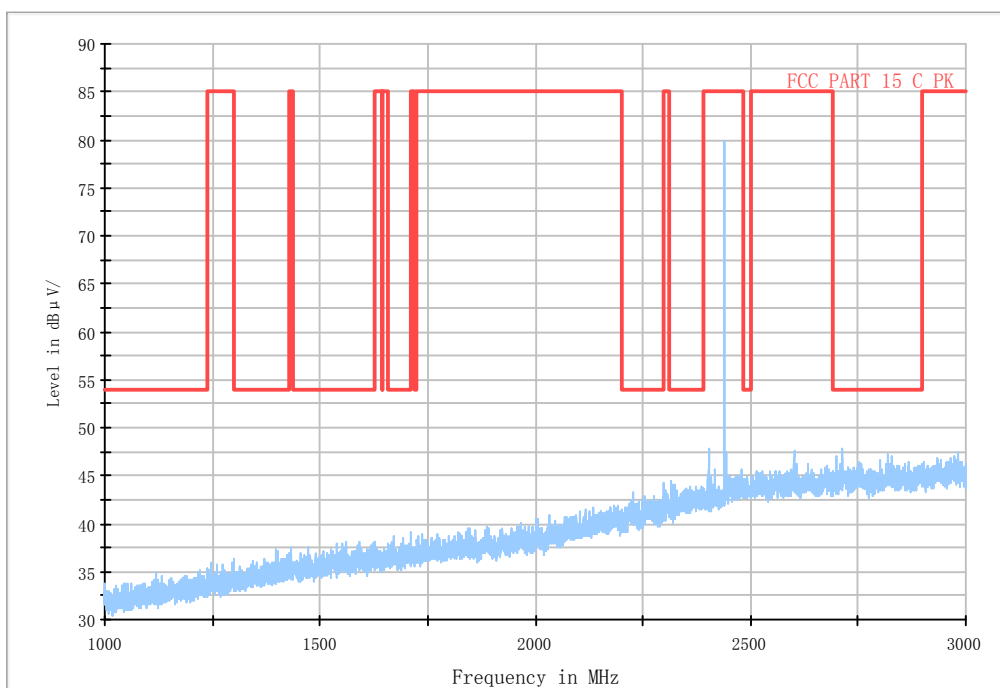
RE 30MHz-1GHz



GFSK DH5 Channel 39 30MHz-1GHz

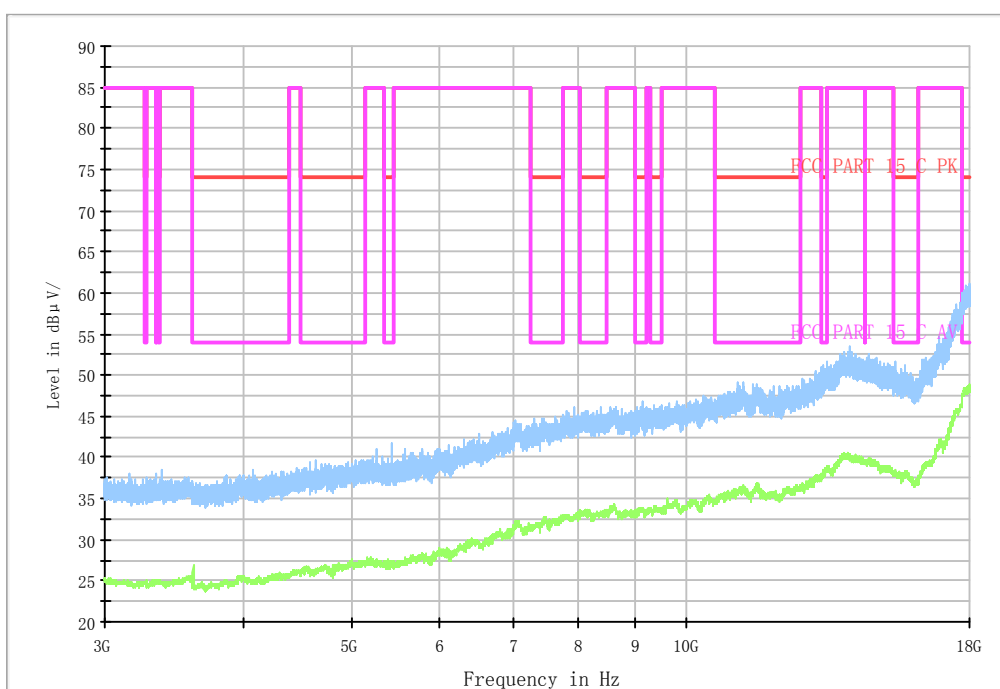
RE 1GHz-3GHz

RE 1GHz-3GHz-BT\_Rev1



GFSK DH5 Channel 39 1-3GHz

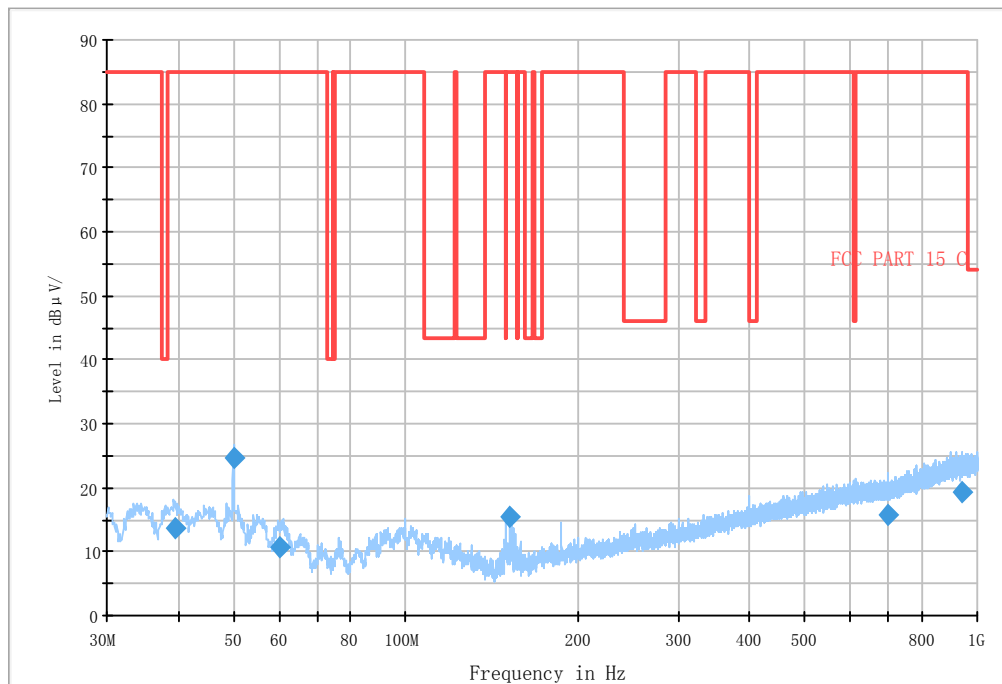
RE 3GHz-18GHz



GFSK DH5 Channel 39 3-18GHz

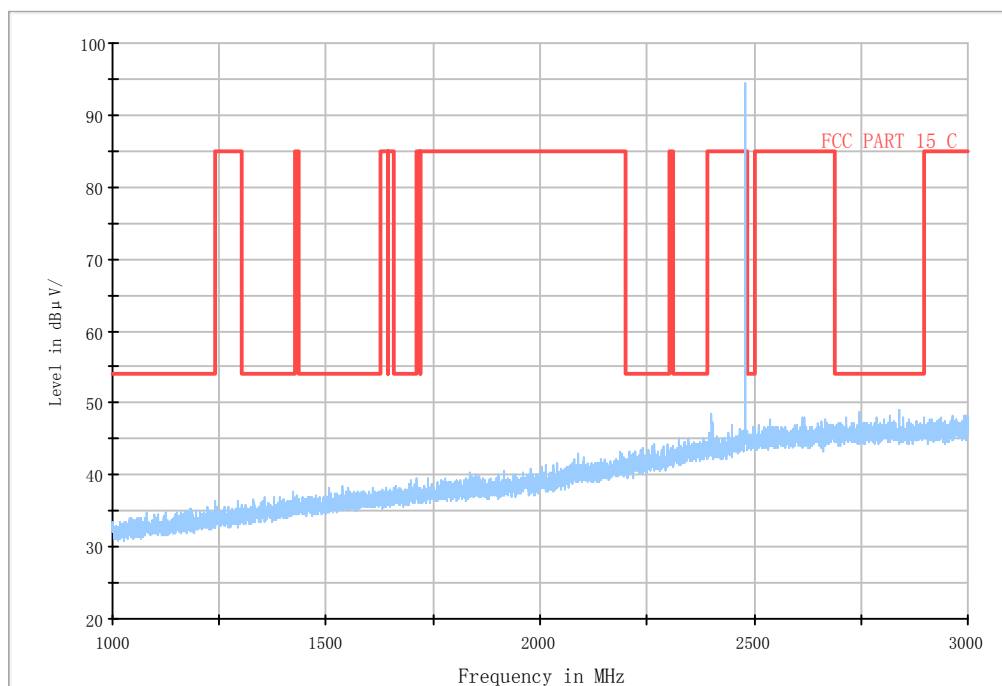
RE 30MHz-1GHz

BT Rev1



GFSK DH5 Channel 78 30MHz-1GHz

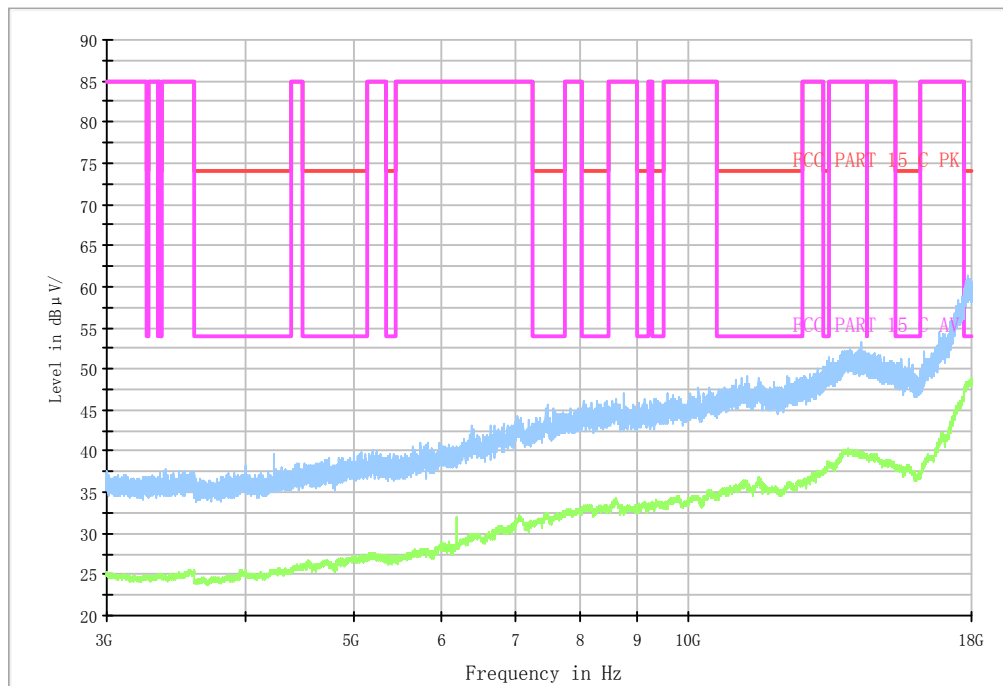
RE 1GHz-3GHz



GFSK DH5 Channel 78 1-3GHz

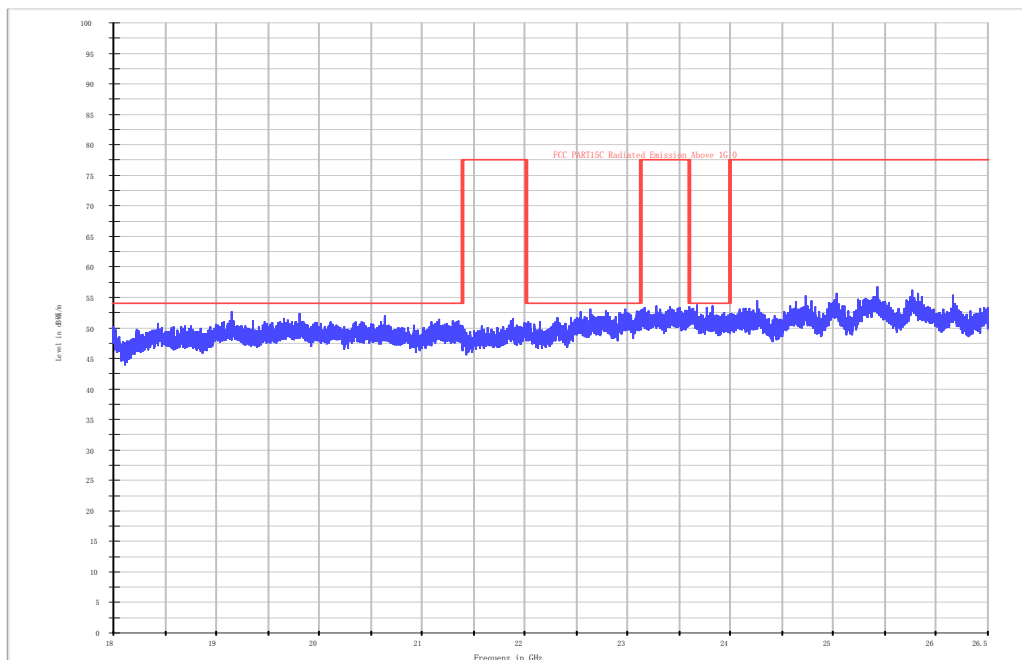
RE 3GHz-18GHz

DH5 BT BT\_Rev1



GFSK DH5 Channel 39 3-18GHz

Page (2) of FCC Part15C 18-200



GFSK DH5 all channels

### Test photo

See the Pic1- Pic6 in document "Ilium Pad T7X \_Wifi\_BT\_Test Setup Photos\_Rev1".

## 5.8 Power line Conducted Emissions

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Specifications:    | ANSI C63.4 voltage mains test                                                         |
| DUT Serial Number: | S8/10: 358066070000665                                                                |
| Test conditions:   | Ambient Temperature:15°C-35°C<br>Relative Humidity:30%-60%<br>Air pressure: 86-106kPa |
| Test Results:      | --                                                                                    |

**Limit**

The EUT meets the requirement of having a peak to average ratio of less than 13dB.

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolt (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

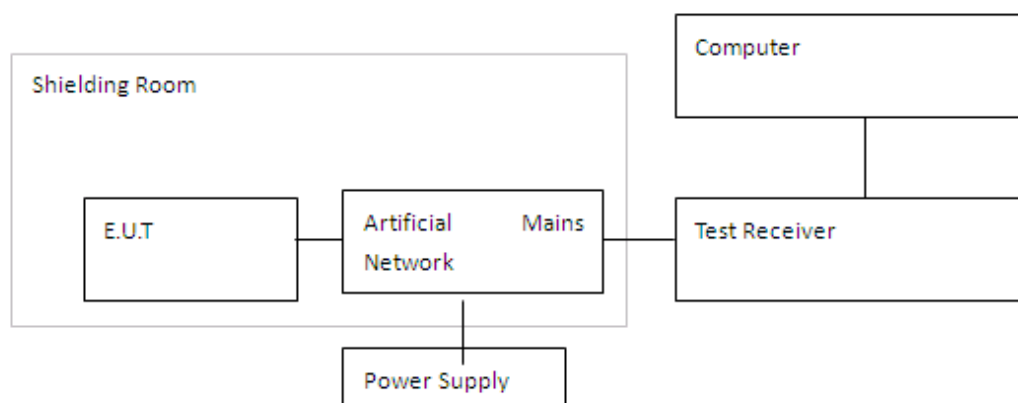
**Limits of the conducted disturbance at the AC mains ports:**

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

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

**Test Setup**

The EUT was placed in a shielding room. The BLUETOOTH TESTER was used to set the TX channel and power level. The ac adapter output is connected to Receiver through an AMN (Artificial Mains Network).



**Test Procedure****Report No.: B16X50165-BT\_Rev1**

1. The EUT is placed on a wooden table 80 cm above the reference ground plane.
2. The EUT is connected via LISN to a test power supply.
3. The measurement results are obtained as described below:
4. Detectors – Quasi Peak and Average Detector.

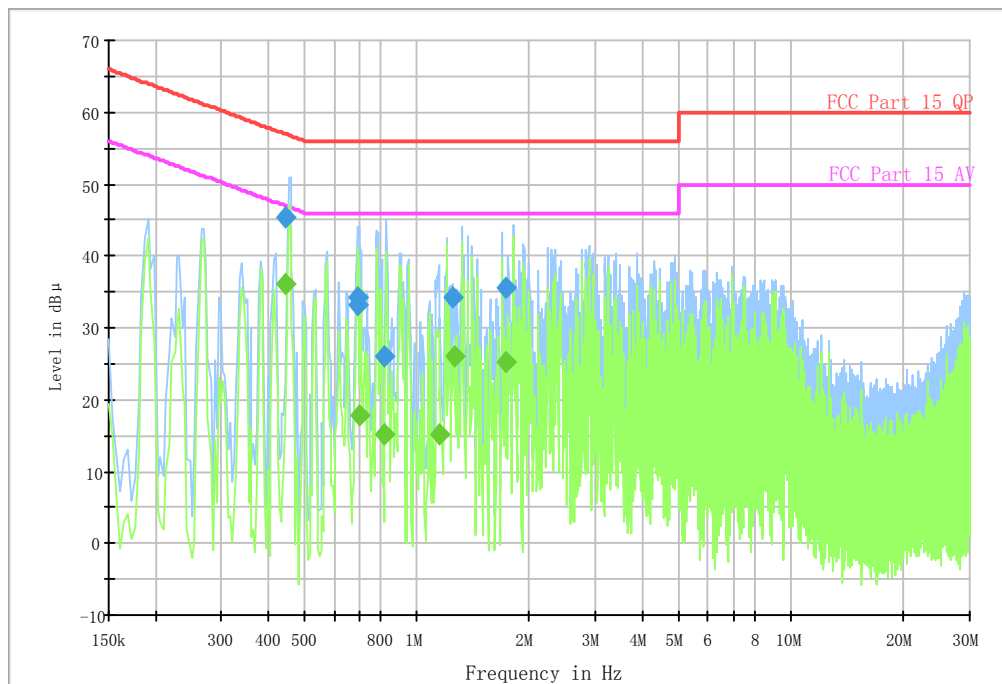
The measurement is made according to Public notice FCC Public Notice DA 00-705, March 2000, and ANSI C63.4-2014.

**Test Result:**

| Line L&N      |                 |              |              |      |     |
|---------------|-----------------|--------------|--------------|------|-----|
| Detector (QP) | Frequency (MHz) | Level (dBμV) | Limit (dBμV) | Line | PE  |
| QP            | 0.445694        | 45.4         | 57.0         | N    | FLO |
| QP            | 0.694850        | 34.4         | 56.0         | N    | FLO |
| QP            | 0.696494        | 33.3         | 56.0         | L    | FLO |
| QP            | 0.819356        | 26.1         | 56.0         | L    | FLO |
| QP            | 1.243612        | 34.1         | 56.0         | L    | FLO |
| QP            | 1.736406        | 35.5         | 56.0         | L    | FLO |

| Line L&N      |                 |              |              |      |     |
|---------------|-----------------|--------------|--------------|------|-----|
| Detector (AV) | Frequency (MHz) | Level (dBμV) | Limit (dBμV) | Line | PE  |
| AV            | 0.445962        | 36.0         | 46.9         | L    | FLO |
| AV            | 0.700762        | 17.7         | 46.0         | L    | FLO |
| AV            | 0.814312        | 15.1         | 46.0         | L    | FLO |
| AV            | 1.148212        | 15.1         | 46.0         | L    | FLO |
| AV            | 1.255612        | 26.0         | 46.0         | L    | FLO |
| AV            | 1.736675        | 25.3         | 46.0         | L    | FLO |

**Conclusion: PASS**



Line L & Line N

### Test photo

See the Pic7 in document "Ilium Pad T7X\_Wifi\_BT\_Test Setup Photos\_Rev1".

## Annex A EUT Photos

See the document "Ilium Pad T7X-External Photos".

See the document "Ilium Pad T7X-Internal Photos".

CTL Test Report

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## ANNEX B Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

\*\*\*End Of Report\*\*\*

CTL Test Report