



# **TEST REPORT**

# No. I20N02376-BT

for

Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd

**Feature phone** 

Model Name: CP3321AT

with

Hardware Version: P1

Software Version: 3321AT.201014.2S

FCC ID: R38YLCP3321AT

Issued Date: 2020-10-20

#### 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 SAICT.

#### **Test Laboratory:**

SAICT, Shenzhen Academy of Information and Communications Technology

Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China 518026.

Tel:+86(0)755-33322000, Fax:+86(0)755-33322001

Email: yewu@caict.ac.cn. www.saict.ac.cn





# **CONTENTS**

| C  | ON.  | TENTS   | . 2 |
|----|------|---|-----|
| 1. | S    | SUMMARY OF TEST REPORT                                  | . 3 |
|    | 1.1. | . TEST ITEMS  | . 3 |
|    | 1.2. | TEST STANDARDS  | . 3 |
|    | 1.3. | TEST RESULT   | . 3 |
|    | 1.4. | . TESTING LOCATION                                      | . 3 |
|    | 1.5. | PROJECT DATA  | . 3 |
|    | 1.6. | . Signature   | . 3 |
| 2. | . (  | CLIENT INFORMATION                                      | . 4 |
|    | 2.1. | . APPLICANT INFORMATION                                 | . 4 |
|    | 2.2. | . MANUFACTURER INFORMATION                              | . 4 |
| 3. | E    | EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE) | . 5 |
|    | 3.1. | . Авоит ЕИТ   | . 5 |
|    | 3.2. | . INTERNAL IDENTIFICATION OF EUT USED DURING THE TEST   | . 5 |
|    | 3.3. | . INTERNAL IDENTIFICATION OF AE USED DURING THE TEST    | . 5 |
|    | 3.4. | . GENERAL DESCRIPTION                                   | . 6 |
| 4. | F    | REFERENCE DOCUMENTS                                     | . 7 |
|    | 4.1. | . DOCUMENTS SUPPLIED BY APPLICANT                       | . 7 |
|    | 4.2. | . REFERENCE DOCUMENTS FOR TESTING                       | . 7 |
| 5. | . 1  | TEST RESULTS  | . 8 |
|    | 5.1. | . TESTING ENVIRONMENT                                   | . 8 |
|    | 5.2. | . Test Results  | . 8 |
|    | 5.3. | . Statements  | . 8 |
| 6. | 1    | FEST EQUIPMENTS UTILIZED                                | . 9 |
| 7. |      | ABORATORY ENVIRONMENT                                   |     |
| 8. |      | MEASUREMENT UNCERTAINTY                                 | 11  |
|    |      | EX A: DETAILED TEST RESULTS                             |     |
|    |      | ANTENNA REQUIREMENT                                     |     |
|    |      | MAXIMUM PEAK OUTPUT POWER                               |     |
|    |      | 2 BAND EDGES COMPLIANCE                                 |     |
|    |      | S CONDUCTED EMISSION                                    |     |
|    |      | RADIATED EMISSION                                       |     |
|    |      | 5 20DB BANDWIDTH  |     |
|    |      | 5 TIME OF OCCUPANCY (DWELL TIME)                        |     |
|    |      | NUMBER OF HOPPING CHANNELS                              |     |
|    |      | CARRIER FREQUENCY SEPARATION                            |     |
|    |      | AC Power line Conducted Emission                        |     |





### 1. Summary of Test Report

#### 1.1. Test Items

Description Feature phone Model Name CP3321AT

Applicant's name Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd Manufacturer's Name Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd

### 1.2. Test Standards

FCC Part15-2019; ANSI C63.10-2013

#### 1.3. Test Result

**Pass** 

#### 1.4. Testing Location

Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China

#### 1.5. Project data

Testing Start Date: 2020-09-16
Testing End Date: 2020-10-16

### 1.6. Signature

Lin Zechuang

(Prepared this test report)

**Tang Weisheng** 

(Reviewed this test report)

Zhang Bojun

(Approved this test report)



Address:

Address:



## 2. Client Information

#### 2.1. Applicant Information

Company Name: Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd

Building B, Boton Science Park, Chaguang Road, Xili Town, Nanshan

District, Shenzhen

Contact Person Yentl Chen

E-Mail chenyanting@yulong.com

Telephone: +86 15927320221

Fax: /

### 2.2. Manufacturer Information

Company Name: Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd

Building B, Boton Science Park, Chaguang Road, Xili Town, Nanshan

District, Shenzhen

Contact Person Yentl Chen

E-Mail chenyanting@yulong.com

Telephone: +86 15927320221

Fax: /





## 3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

#### 3.1. About EUT

Description Feature phone Model Name CP3321AT

Frequency Band 2400MHz~2483.5MHz
Type of Modulation GFSK/ π /4 DQPSK/8DPSK

Number of Channels 79

Antenna Type Integrated
Antenna Gain -0.6dBi

Power Supply 3.8V DC by Battery FCC ID R38YLCP3321AT

Condition of EUT as received No abnormality in appearance

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of Shenzhen Academy of Information and Communications Technology.

#### 3.2. Internal Identification of EUT used during the test

| EUT ID* | IMEI            | <b>HW Version</b> | SW Version       | Receive Date |
|---------|-----------------|-------------------|------------------|--------------|
| UT09aa  | 990016030008690 | P1                | 3321AT.201014.2S | 2020-09-16   |
| UT03aa  | 990016030008328 | P1                | 3321AT.201014.2S | 2020-09-16   |

<sup>\*</sup>EUT ID: is used to identify the test sample in the lab internally.

#### 3.3. Internal Identification of AE used during the test

| AE ID* | Description    | AE ID* |
|--------|----------------|--------|
| AE1    | Battery        | /      |
| AE2    | Travel Charger | /      |
| AE3    | Micro B Cable  | /      |

#### AE1

Model Li-ion

Manufacturer Tianjin Lishen
Capacity 1500mAh
Nominal Voltage 3.8V

AE2

Model 618045

Manufacturer Shenzhen Kosun

AE3

Model USB A To Micro B
Manufacturer Shenzhen BRL

<sup>\*</sup>AE ID: is used to identify the test sample in the lab internally.





## 3.4. General Description

The Equipment under Test (EUT) is a model of Feature phone with integrated antenna and battery. It consists of normal options: Lithium Battery, Charger and USB Cable.

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the client.





# 4. Reference Documents

# 4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

### 4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

| Reference   | Title  | Version |  |  |
|-------------|--|---------|--|--|
| FCC Part 15 | FCC CFR 47, Part 15, Subpart C:                              |         |  |  |
|             | 15.205 Restricted bands of operation;                        |         |  |  |
|             | 15.209 Radiated emission limits, general requirements;       |         |  |  |
|             | 15.247 Operation within the bands 902-928MHz,                |         |  |  |
|             | 2400-2483.5 MHz, and 5725-5850 MHz                           |         |  |  |
| ANSI C63.10 | American National Standard of Procedures for Compliance 2013 |         |  |  |
|             | Testing of Unlicensed Wireless Devices                       |         |  |  |





## 5. Test Results

### 5.1. <u>Testing Environment</u>

Normal Temperature:  $15\sim35^{\circ}C$ Relative Humidity:  $20\sim75\%$ 

#### 5.2. Test Results

| No | Test cases                       | Sub-clause of<br>Part 15C | Verdict |
|----|----------------------------------|---------------------------|---------|
| 0  | Antenna Requirement              | 15.203                    | Р       |
| 1  | Maximum Peak Output Power        | 15.247 (b)                | Р       |
| 2  | Band Edges Compliance            | 15.247 (d)                | Р       |
| 3  | Conducted Spurious Emission      | 15.247 (d)                | Р       |
| 4  | Radiated Spurious Emission       | 15.247,15.205,15.209      | Р       |
| 5  | Occupied 20dB bandwidth          | 15.247(a)                 | 1       |
| 6  | Time of Occupancy(Dwell Time)    | 15.247(a)                 | Р       |
| 7  | Number of Hopping Channel        | 15.247(a)                 | Р       |
| 8  | Carrier Frequency Separation     | 15.247(a)                 | Р       |
| 9  | AC Power line Conducted Emission | 15.107,15.207             | Р       |

See ANNEX A for details.

#### 5.3. Statements

SAICT has evaluated the test cases requested by the applicant/manufacturer as listed in section 5.2 of this report, for the EUT specified in section 3, according to the standards or reference documents listed in section 4.2.





# 6. Test Equipments Utilized

### **Conducted test system**

| No. | Equipment                 | Model  | Serial<br>Number | Manufacturer    | Calibration Due date | Calibration<br>Period |
|-----|---------------------------|--------|------------------|-----------------|----------------------|-----------------------|
| 1   | Vector Signal<br>Analyzer | FSV40  | 100903           | Rohde & Schwarz | 2021-01-15           | 1 year                |
| 2   | Bluetooth Tester          | CBT32  | 100584           | Rohde & Schwarz | 2021-01-01           | 1 year                |
| 3   | Test Receiver             | ESCI   | 100701           | Rohde & Schwarz | 2021-08-09           | 1 year                |
| 4   | LISN                      | ENV216 | 102067           | Rohde & Schwarz | 2021-07-16           | 1 year                |

## Radiated emission test system

| r           | Radiated emission test system |                       |          |                 |             |             |  |
|-------------|-------------------------------|-----------------------|----------|-----------------|-------------|-------------|--|
| NO.         | Equipment                     | Model                 | Serial   | Manufacturer    | Calibration | Calibration |  |
| <b>7</b> 0. |                               | Wiodei                | Number   | Manufacturer    | Due date    | Period      |  |
| 1           | Loop Antenna                  | HLA6120               | 35779    | TESEQ           | 2022-04-25  | 3 years     |  |
| 2           | BiLog Antenna                 | 3142E                 | 00224831 | ETS-Lindgren    | 2021-05-17  | 3 years     |  |
| 3           | Horn Antenna                  | 3117                  | 00066577 | ETS-Lindgren    | 2022-04-02  | 3 years     |  |
| 4           | Test Receiver                 | ESR7                  | 101676   | Rohde & Schwarz | 2020-11-27  | 1 year      |  |
| 5           | Spectrum<br>Analyser          | FSV40                 | 101192   | Rohde & Schwarz | 2021-01-14  | 1 year      |  |
| 6           | Chamber                       | FACT3-2.0             | 1285     | ETS-Lindgren    | 2021-07-19  | 2 years     |  |
| 7           | Horn Antenna                  | QSH-SL-18-<br>26-S-20 | 17013    | Q-par           | 2023-01-06  | 3 years     |  |

### **Test software**

| No. | Equipment        | Manufacturer    | Version  |
|-----|------------------|-----------------|----------|
| 1   | TechMgr Software | CAICT           | 2.1.1    |
| 2   | EMC32            | Rohde & Schwarz | 8.53.0   |
| 3   | EMC32            | Rohde & Schwarz | 10.01.00 |

The path loss value of conduction test is automatically compensated by the test system.

EUT is engineering software provided by the customer to control the transmitting signal.

The EUT was programmed to be in continuously transmitting mode.

#### **Anechoic chamber**

Fully anechoic chamber by ETS-Lindgren





# 7. Laboratory Environment

#### Semi-anechoic chambe

| Temperature                       | Min. = 15 °C, Max. = 35 °C                 |
|-----------------------------------|--|
| Relative humidity                 | Min. = 20 %, Max. = 75 %                   |
| Shielding effectiveness           | 0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB  |
| Electrical insulation             | > 2MΩ                                      |
| Ground system resistance          | < 4 Ω                                      |
| Normalised site attenuation (NSA) | < ±4 dB, 3 m distance, from 30 to 1000 MHz |

#### Shielded room

| Temperature              | Min. = 15 °C, Max. = 35 °C               |
|--------------------------|--|
| Relative humidity        | Min. = 20 %, Max. = 75 %                 |
| Shielding effectiveness  | 0.014MHz-1MHz> 60 dB; 1MHz-1000MHz>90 dB |
| Electrical insulation    | > 2MΩ                                    |
| Ground system resistance | < 4 Ω                                    |

### Fully-anechoic chamber

| Temperature                        | Min. = 15 $^{\circ}$ C, Max. = 35 $^{\circ}$ C |
|------------------------------------|--|
| Relative humidity                  | Min. = 20 %, Max. = 75 %                       |
| Shielding effectiveness            | 0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB      |
| Electrical insulation              | > 2MΩ  |
| Ground system resistance           | < 4 Ω  |
| Voltage Standing Wave Ratio (VSWR) | ≤ 6 dB, from 1 to 18 GHz, 3 m distance         |
| Uniformity of field strength       | Between 0 and 6 dB, from 80 to 6000 MHz        |





# 8. Measurement Uncertainty

| Test Name                                  | Uncertain      | ty ( <i>k</i> =2) |
|--|----------------|-------------------|
| RF Output Power - Conducted                | 1.32           | dB                |
| 2. Time of Occupancy - Conducted           | 0.58           | ms                |
| 3.Occupied channel bandwidth - Conducted   | 66H            | łz                |
| 2. Time of Occupancy - Conducted           | 30MHz≶f≶1GHz   | 1.41dB            |
|  | 1GHz≪f≪7GHz    | 1.92dB            |
|  | 7GHz≤f≤13GHz   | 2.31dB            |
|  | 13GHz≤f≤26GHz  | 2.61dB            |
|  | 9kHz≤f≤30MHz   | 1.70dB            |
| 5 Transmitter Sourious Emission Redicted   | 30MHz≤f≤1GHz   | 4.90dB            |
| 5. Transmitter Spunous Emission - Radiated | 1GHz≤f≤18GHz   | 4.60dB            |
|  | 18GHz≤f≤40GHz  | 4.10dB            |
| 6. AC Power line Conducted Emission        | 150kHz≤f≤30MHz | 3.00dB            |





# **ANNEX A: Detailed Test Results**

## A.0 Antenna requirement

#### **Measurement Limit:**

| Standard               | Requirement  |
|------------------------|--|
| FCC CRF Part<br>15.203 | Requirement  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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators |
|                        | systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site.  |
|                        | However, the installer shall be responsible for ensuring that the proper antenna is  |
|                        | employed so that the limits in this part are not exceeded.   |

Conclusion: The Directional gains of antenna used for transmitting is -0.6dBi.

The RF transmitter uses an integrate antenna without connector.





### A.1 Maximum Peak Output Power

Method of Measurement: See ANSI C63.10-clause 7.8.5.

Use the following spectrum analyzer settings:

- a) Set Span = 6 MHz.
- b) Set RBW = 3 MHz.
- c) Set VBW = 3 MHz.
- d) Sweep time = auto.
- e) Detector = peak.
- f) Trace = max hold.
- g) Allow trace to stabilize.
- h) Use the marker-to-peak function to set the marker to the peak of the emission.
- I)The indicated level is the peak output power.

#### **Measurement Limit:**

| Standard                  | Limit (dBm) |
|---------------------------|-------------|
| FCC CRF Part 15.247(b)(1) | < 30        |

#### **Measurement Results:**

| Mode       | Frequency (MHz) | Peak output power (dBm) |       | Conclusion |
|------------|-----------------|-------------------------|-------|------------|
| GFSK       | 2402(CH0)       | Fig.1                   | -0.84 | Р          |
|            | 2441(CH39)      | Fig.2                   | 0.24  | Р          |
|            | 2480(CH78)      | Fig.3                   | -0.39 | Р          |
| π /4 DQPSK | 2402(CH0)       | Fig.4                   | -0.11 | Р          |
|            | 2441(CH39)      | Fig.5                   | 0.41  | Р          |
|            | 2480(CH78)      | Fig.6                   | 0.30  | Р          |
| 8DPSK      | 2402(CH0)       | Fig.7                   | 0.05  | Р          |
|            | 2441(CH39)      | Fig.8                   | 0.52  | Р          |
|            | 2480(CH78)      | Fig.9                   | 0.43  | Р          |

See below for test graphs.

**Conclusion: Pass** 







Fig. 1 RF output power (GFSK, Ch 0)

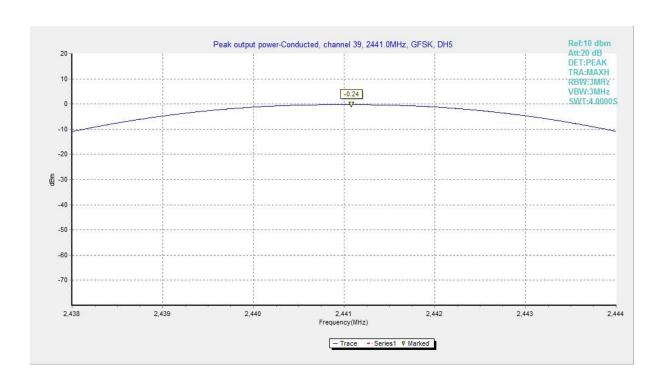


Fig. 2 RF output power (GFSK, Ch 39)







Fig. 3 RF output power (GFSK, Ch 78)

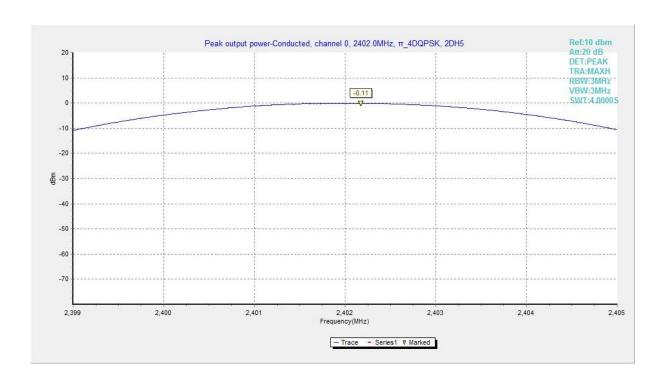


Fig. 4 RF output power ( $\pi$ /4 DQPSK, Ch 0)



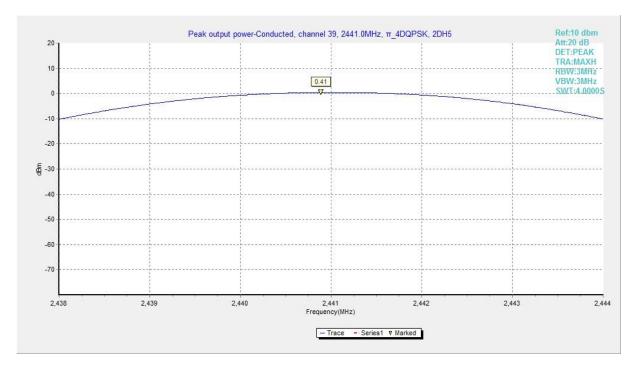


Fig. 5 RF output power ( $\pi$ /4 DQPSK, Ch 39)

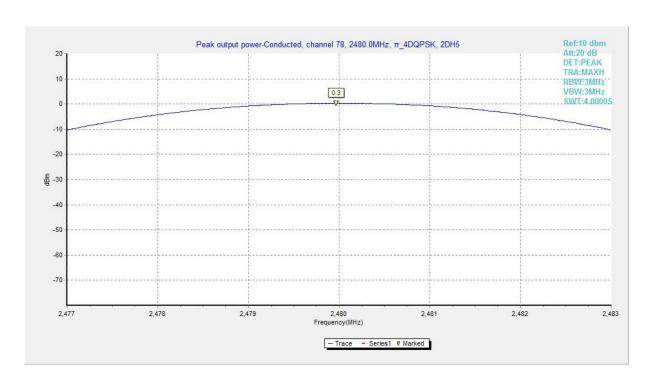


Fig. 6 RF output power (π/4 DQPSK, Ch 78)





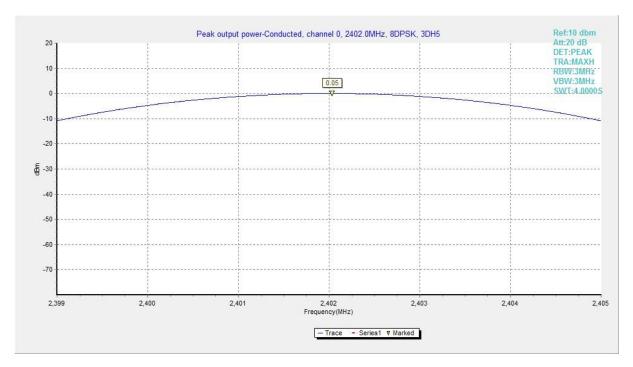


Fig. 7 RF output power (8DPSK, Ch 0)

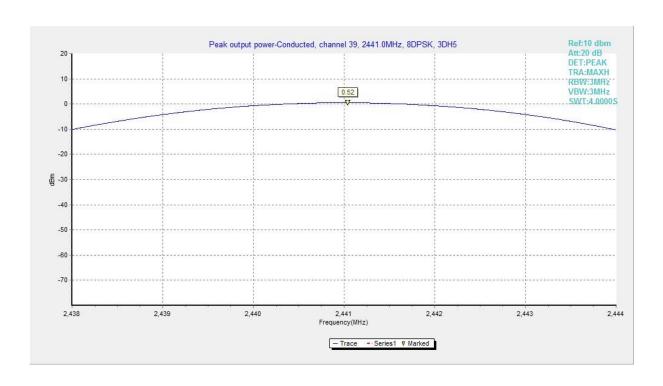


Fig. 8 RF output power (8DPSK, Ch 39)





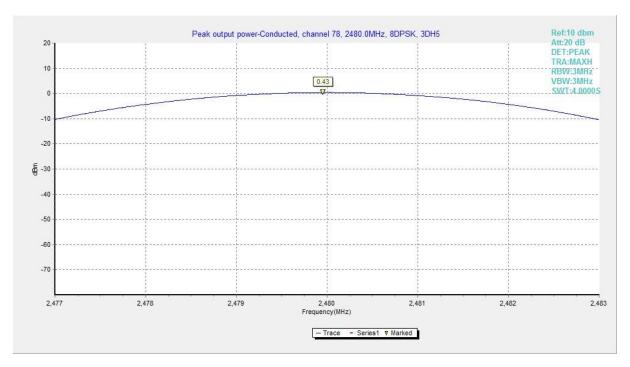


Fig. 9 RF output power (8DPSK, Ch 78)





## A.2 Band Edges Compliance

#### **Measurement Limit:**

| Standard                   | Limit (dBc) |
|----------------------------|-------------|
| FCC 47 CFR Part 15.247 (d) | >20         |

#### **Measurement Result:**

| Mode      | Channel | Hopping | Test Results | Conclusion |
|-----------|---------|---------|--------------|------------|
| GFSK      | 0       | ON      | Fig.10       | Р          |
|           | 78      | ON      | Fig.11       | Р          |
| π/4 DQPSK | 0       | ON      | Fig.12       | Р          |
|           | 78      | ON      | Fig.13       | Р          |
| 8DPSK     | 0       | ON      | Fig.14       | Р          |
|           | 78      | ON      | Fig.15       | Р          |

| Mode      | Channel | Hopping | Test Results | Conclusion |
|-----------|---------|---------|--------------|------------|
| GFSK      | 0       | OFF     | Fig.16       | Р          |
|           | 78      | OFF     | Fig.17       | Р          |
| π/4 DQPSK | 0       | OFF     | Fig.18       | Р          |
|           | 78      | OFF     | Fig.19       | Р          |
| 8DPSK     | 0       | OFF     | Fig.20       | Р          |
|           | 78      | OFF     | Fig.21       | Р          |

See below for test graphs.

**Conclusion: Pass** 



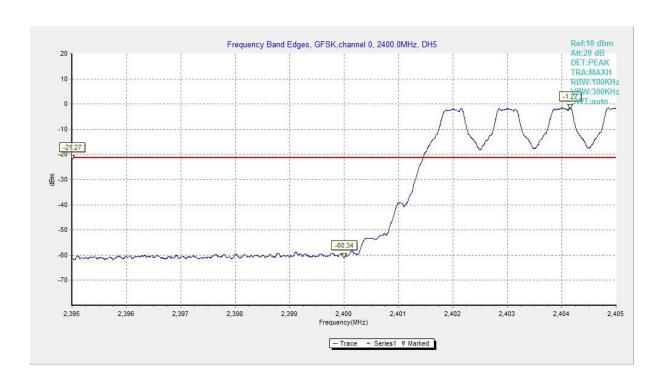


Fig. 10 Band Edges (GFSK, Ch 0, Hopping ON)

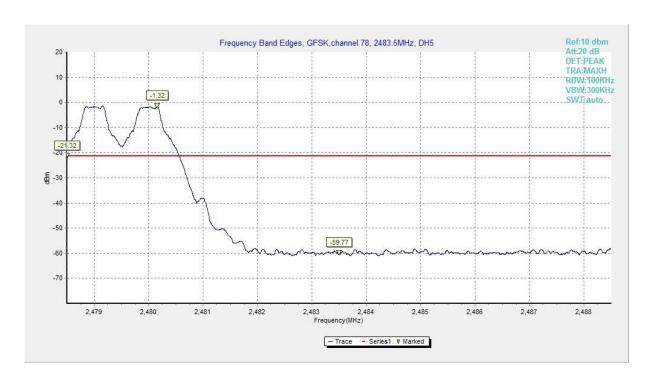


Fig. 11 Band Edges (GFSK, Ch 78, Hopping ON)





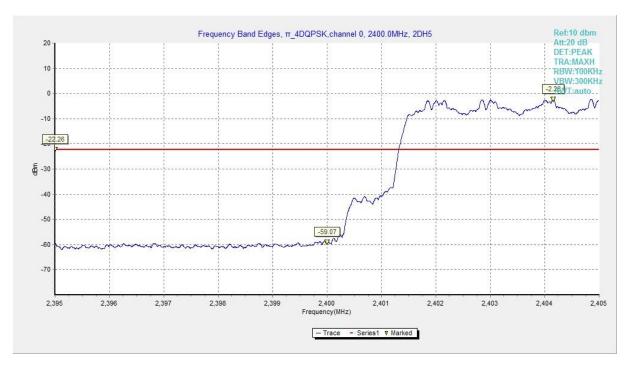


Fig. 12 Band Edges ( $\pi$ /4 DQPSK, Ch 0, Hopping ON)

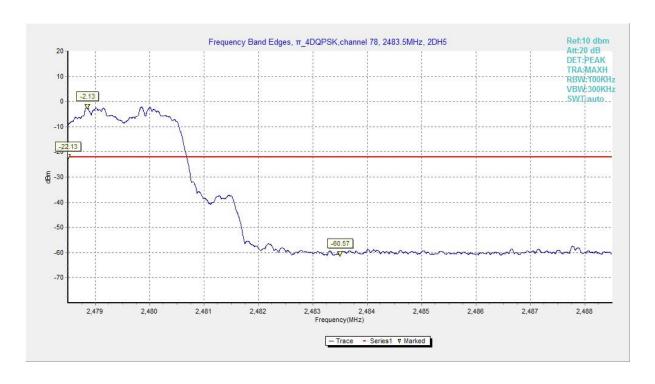


Fig. 13 Band Edges (π/4 DQPSK, Ch 78, Hopping ON)





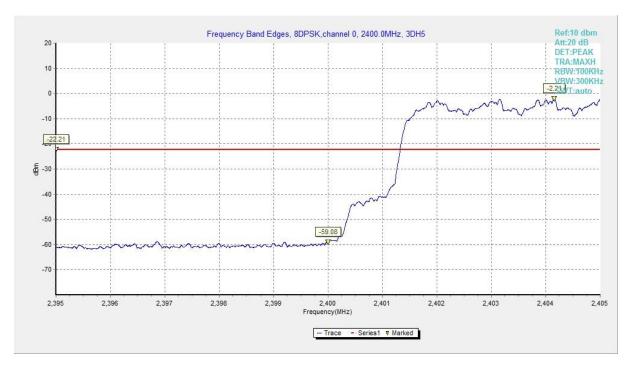


Fig. 14 Band Edges (8DPSK, Ch 0, Hopping ON)

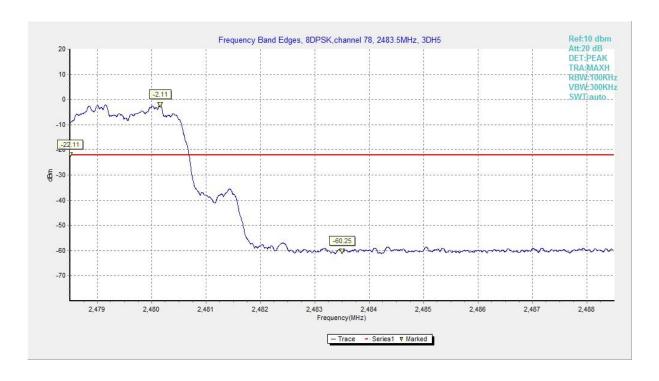


Fig. 15 Band Edges (8DPSK, Ch 78, Hopping ON)



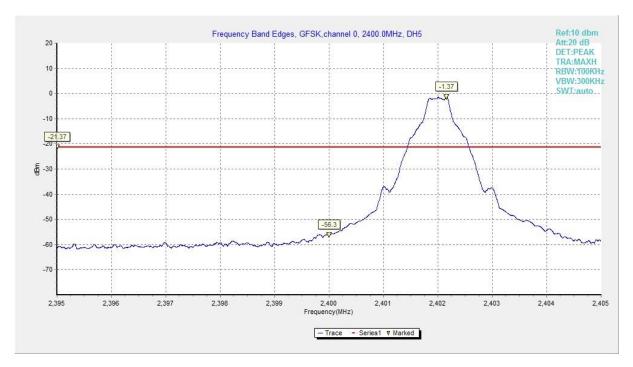


Fig. 16 Band Edges (GFSK, Ch 0, Hopping OFF)

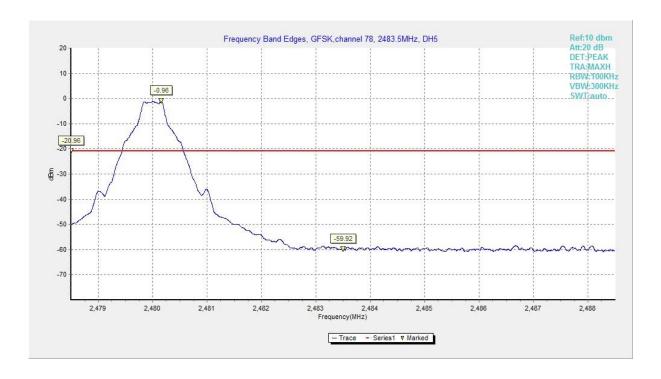


Fig. 17 Band Edges (GFSK, Ch 78, Hopping OFF)





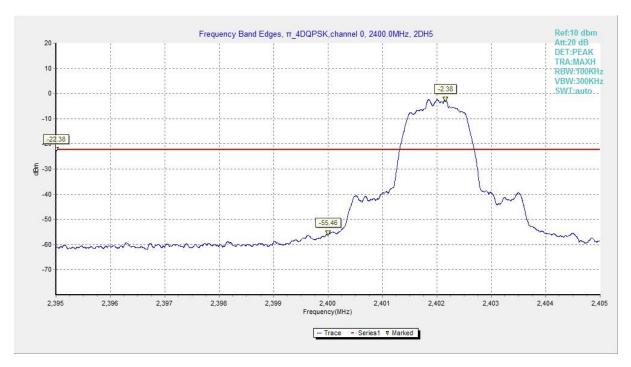


Fig. 18 Band Edges ( π /4 DQPSK, Ch 0, Hopping OFF)

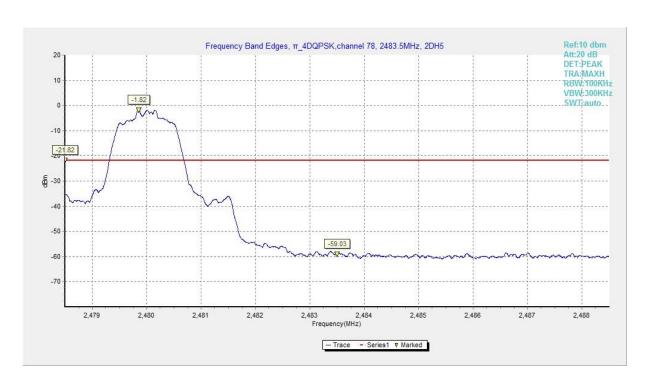


Fig. 19 Band Edges (π/4 DQPSK, Ch 78, Hopping OFF)





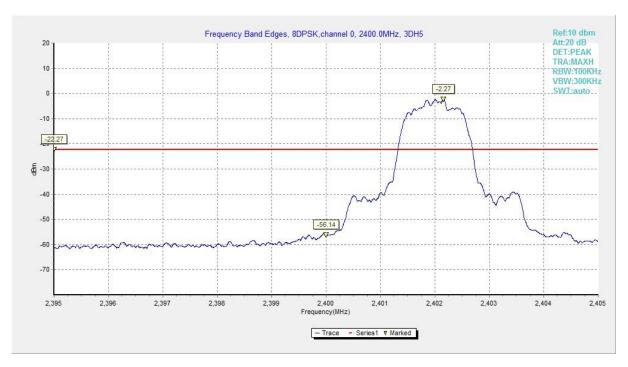


Fig. 20 Band Edges (8DPSK, Ch 0, Hopping OFF)

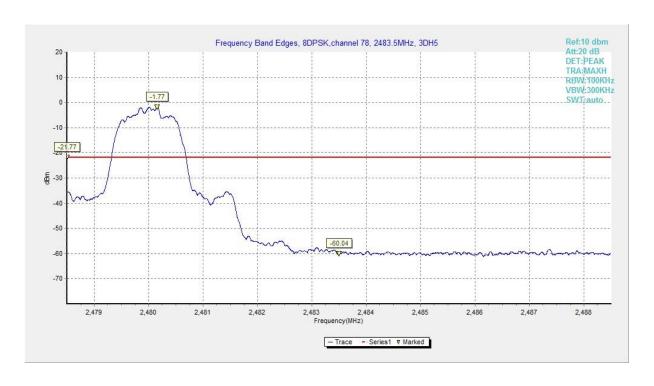


Fig. 21 Band Edges (8DPSK, Ch 78, Hopping OFF)





### **A.3 Conducted Emission**

#### **Measurement Limit:**

| Standard                   | Limit                                   |  |
|----------------------------|---|--|
| FCC 47 CFR Part 15.247 (d) | 20dB below peak output power in 100 kHz |  |
| FGC 47 GFR Fait 15.247 (u) | bandwidth                               |  |

#### **Measurement Results:**

| MODE  | Channel      | Frequency Range | Test Results | Conclusion |
|-------|--------------|-----------------|--------------|------------|
|       |              | 2.402 GHz       | Fig.22       | Р          |
|       | 0            | 1GHz-3GHz       | Fig.23       | Р          |
|       |              | 3GHz-10GHz      | Fig.24       | Р          |
|       |              | 2.441 GHz       | Fig.25       | Р          |
| GFSK  | 39           | 1GHz-3GHz       | Fig.26       | Р          |
|       |              | 3GHz-10GHz      | Fig.27       | Р          |
|       |              | 2.480 GHz       | Fig.28       | Р          |
|       | 78           | 1GHz-3GHz       | Fig.29       | Р          |
|       |              | 3GHz-10GHz      | Fig.30       | Р          |
|       |              | 2.402 GHz       | Fig.31       | Р          |
|       | 0            | 1GHz-3GHz       | Fig.32       | Р          |
|       |              | 3GHz-10GHz      | Fig.33       | Р          |
| π/4   |              | 2.441 GHz       | Fig.34       | Р          |
| DQPSK | 39           | 1GHz-3Ghz       | Fig.35       | Р          |
| DQFSK |              | 3GHz-10GHz      | Fig.36       | Р          |
|       |              | 2.480 GHz       | Fig.37       | Р          |
|       | 78           | 1GHz-3Ghz       | Fig.38       | Р          |
|       |              | 3GHz-10GHz      | Fig.39       | Р          |
|       | 0            | 2.402 GHz       | Fig.40       | Р          |
|       |              | 1GHz-3GHz       | Fig.41       | Р          |
| 8DPSK |              | 3GHz-10GHz      | Fig.42       | Р          |
|       | 39           | 2.441 GHz       | Fig.43       | Р          |
|       |              | 1GHz-3GHz       | Fig.44       | Р          |
|       |              | 3GHz-10GHz      | Fig.45       | Р          |
|       |              | 2.480 GHz       | Fig.46       | Р          |
|       | 78           | 1GHz-3GHz       | Fig.47       | Р          |
|       |              | 3GHz-10GHz      | Fig.48       | Р          |
| /     | All channels | 30 MHz-1GHz     | Fig.49       | Р          |
| 1     | All channels | 10GHz-26GHz     | Fig.50       | Р          |

See below for test graphs.

**Conclusion: Pass** 



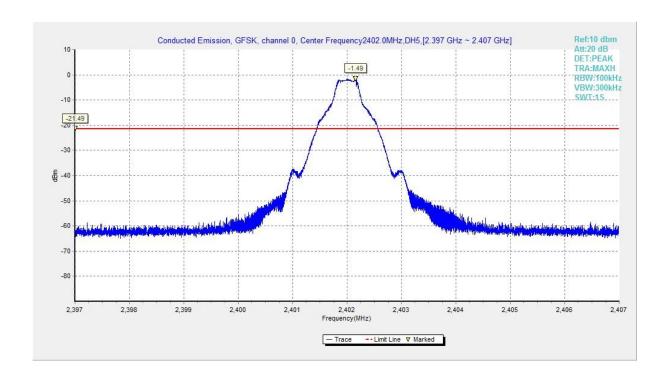


Fig. 22 Conducted Spurious Emission (GFSK, Ch0, 2.402GHz)

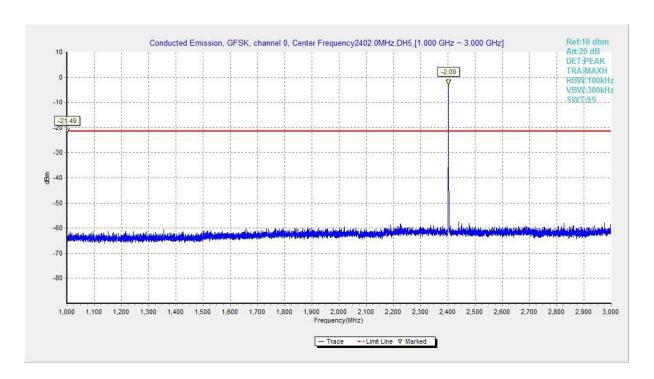


Fig. 23 Conducted Spurious Emission (GFSK, Ch0, 1 GHz-3 GHz)



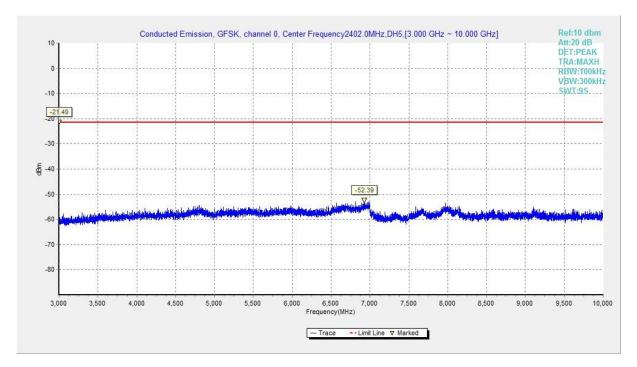


Fig. 24 Conducted Spurious Emission (GFSK, Ch0, 3GHz-10 GHz)

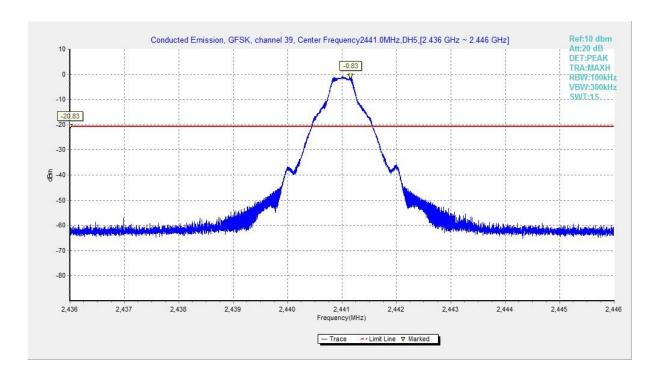


Fig. 25 Conducted Spurious Emission (GFSK, Ch39, 2.441GHz)



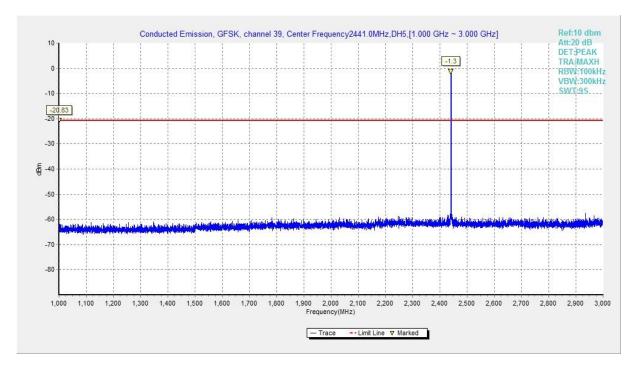


Fig. 26 Conducted Spurious Emission (GFSK, Ch39, 1GHz-3 GHz)

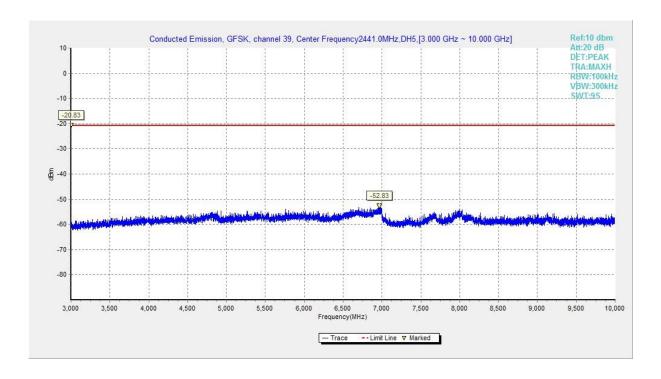


Fig. 27 Conducted Spurious Emission (GFSK, Ch39, 3GHz-10 GHz)



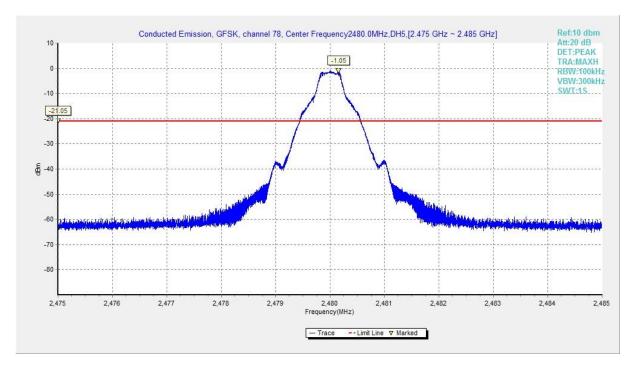


Fig. 28 Conducted Spurious Emission (GFSK, Ch78, 2.480GHz)

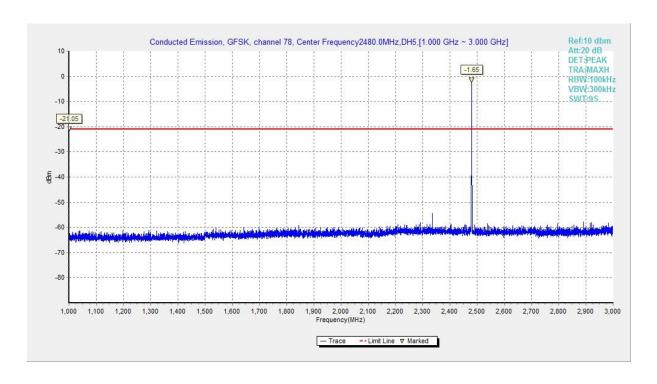


Fig. 29 Conducted Spurious Emission (GFSK, Ch78, 1GHz-3 GHz)



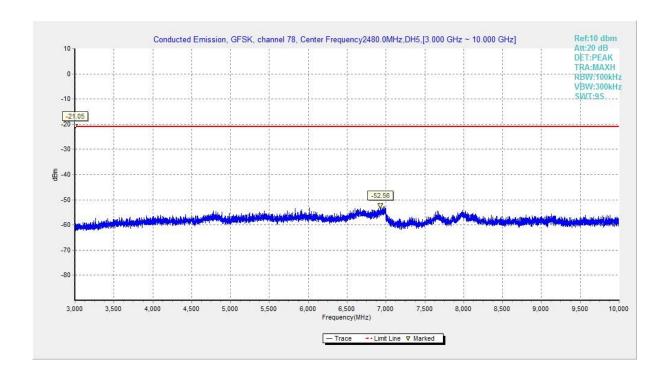


Fig. 30 Conducted Spurious Emission (GFSK, Ch78, 3GHz-10 GHz)

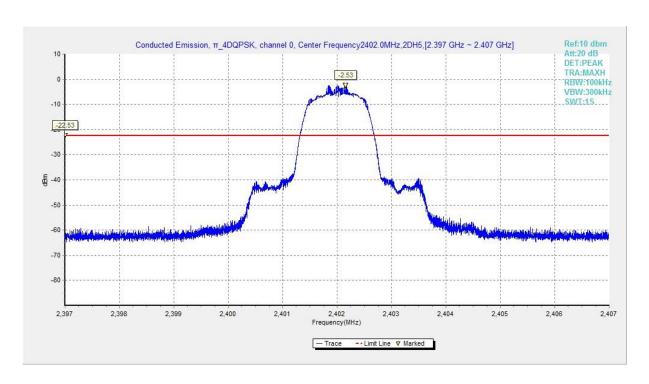


Fig. 31 Conducted Spurious Emission (π/4 DQPSK, Ch0, 2.402GHz)



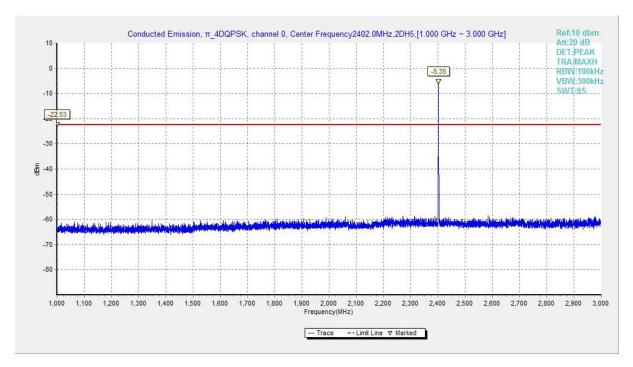


Fig. 32 Conducted Spurious Emission ( π /4 DQPSK, Ch0, 1GHz-3 GHz)

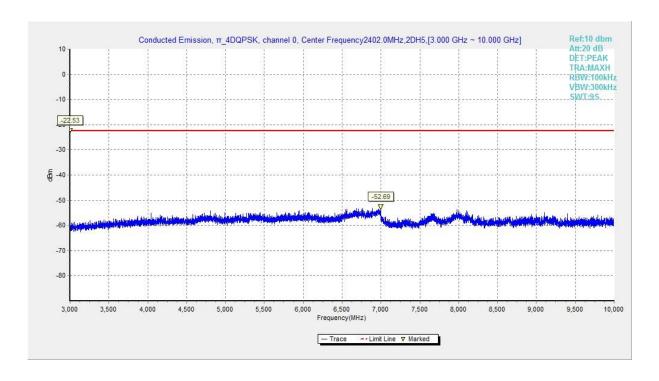


Fig. 33 Conducted Spurious Emission (π/4 DQPSK, Ch0, 3GHz-10 GHz)



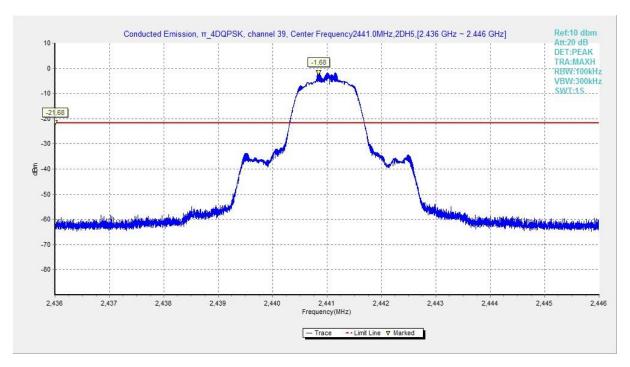


Fig. 34 Conducted Spurious Emission (  $\pi$  /4 DQPSK, Ch39, 2.441GHz)

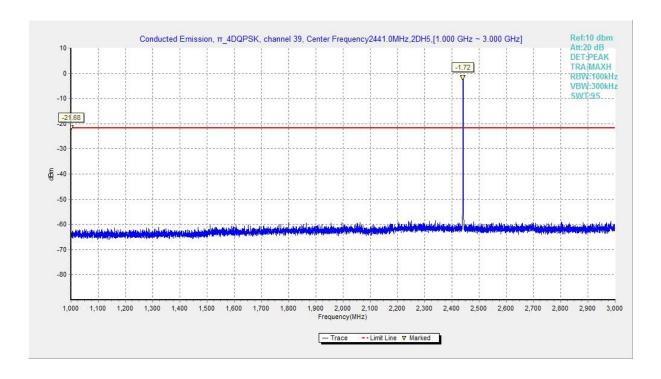


Fig. 35 Conducted Spurious Emission (π/4 DQPSK, Ch39, 1GHz-3 GHz)



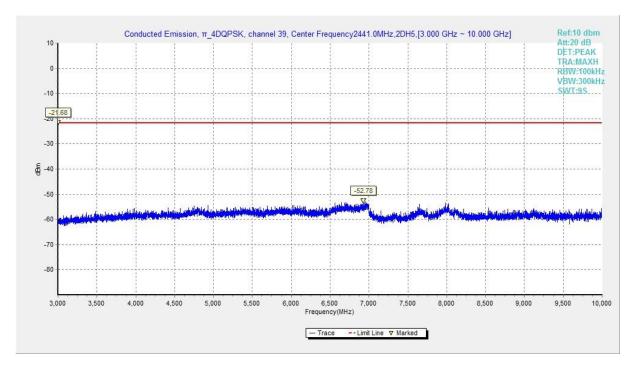


Fig. 36 Conducted Spurious Emission ( π /4 DQPSK, Ch39, 3GHz-10 GHz)

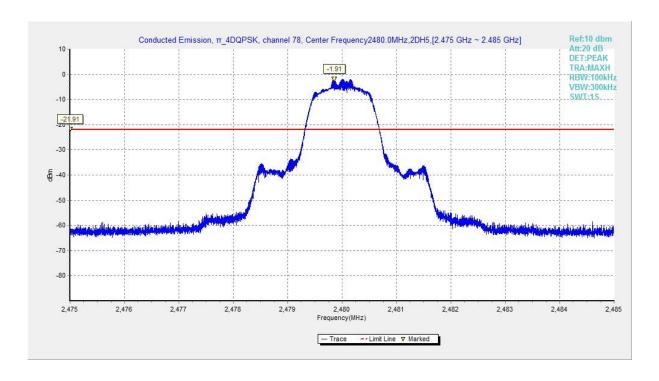


Fig. 37 Conducted Spurious Emission ( π /4 DQPSK, Ch78, 2.480GHz)





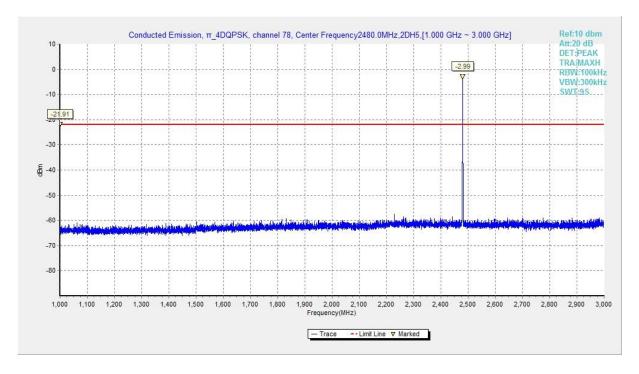


Fig. 38 Conducted Spurious Emission (π/4 DQPSK, Ch78, 1GHz-3 GHz)

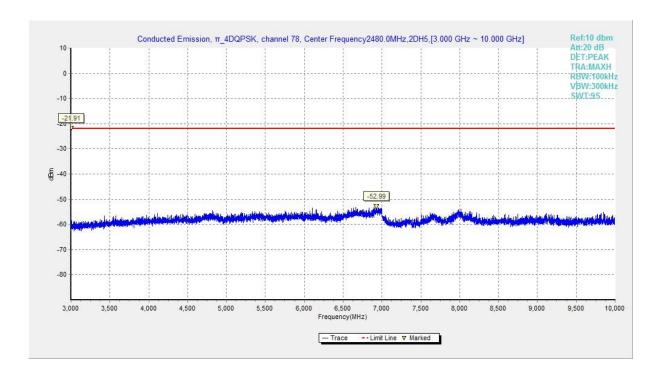


Fig. 39 Conducted Spurious Emission ( π /4 DQPSK, Ch78, 3GHz-10 GHz)





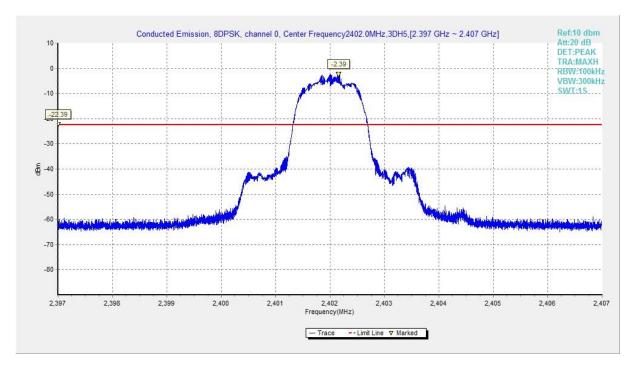


Fig. 40 Conducted Spurious Emission (8DPSK, Ch0, 2.402GHz)

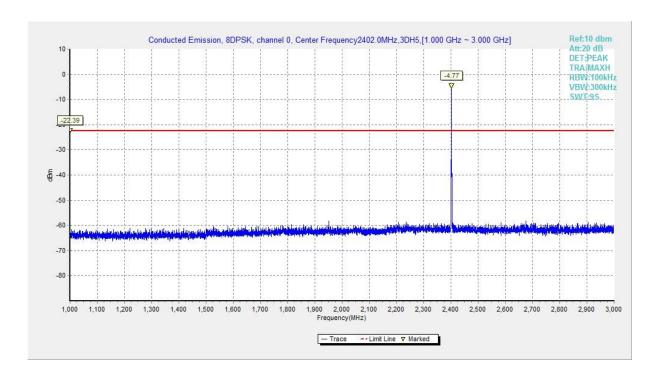


Fig. 41 Conducted Spurious Emission (8DPSK, Ch0, 1GHz-3 GHz)



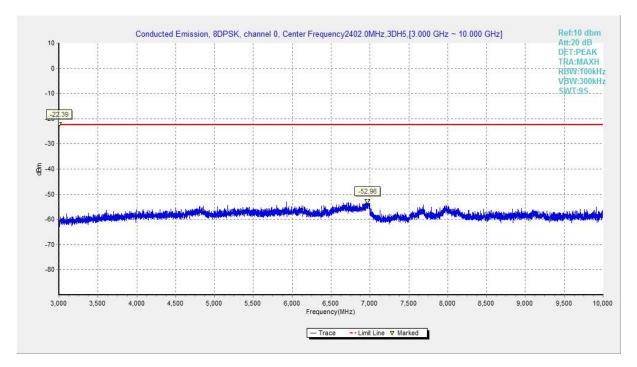


Fig. 42 Conducted Spurious Emission (8DPSK, Ch0, 3GHz-10 GHz)

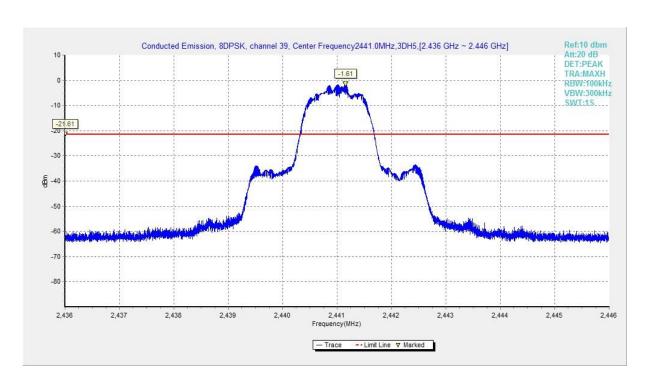


Fig. 43 Conducted Spurious Emission (8DPSK, Ch39, 2.441GHz)





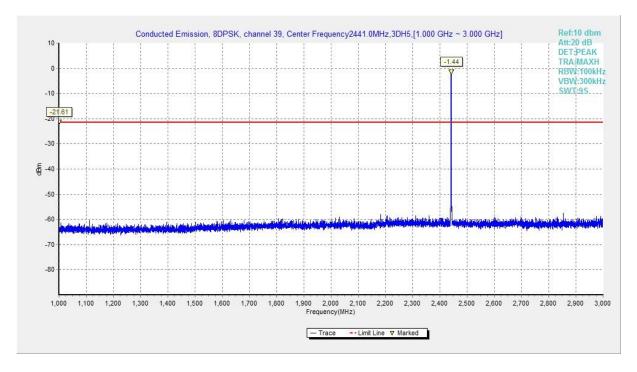


Fig. 44 Conducted Spurious Emission (8DPSK, Ch39, 1GHz-3 GHz)

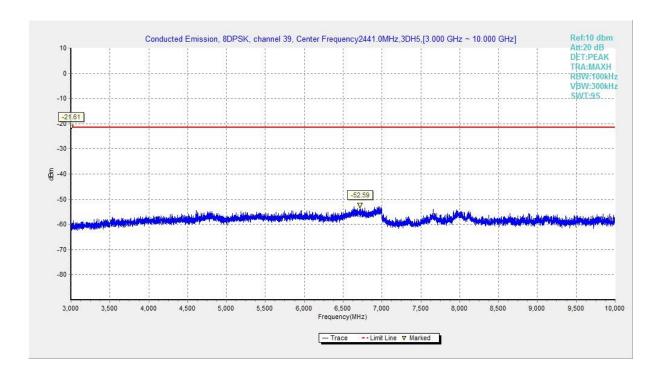


Fig. 45 Conducted Spurious Emission (8DPSK, Ch39, 3GHz-10 GHz)



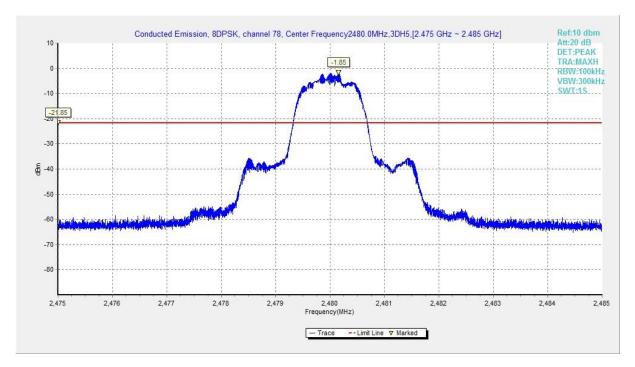


Fig. 46 Conducted Spurious Emission (8DPSK, Ch78, 2.480GHz)

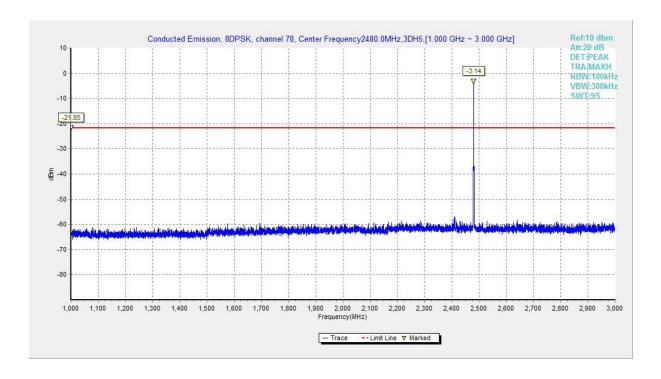


Fig. 47 Conducted Spurious Emission (8DPSK, Ch78, 1GHz-3 GHz)





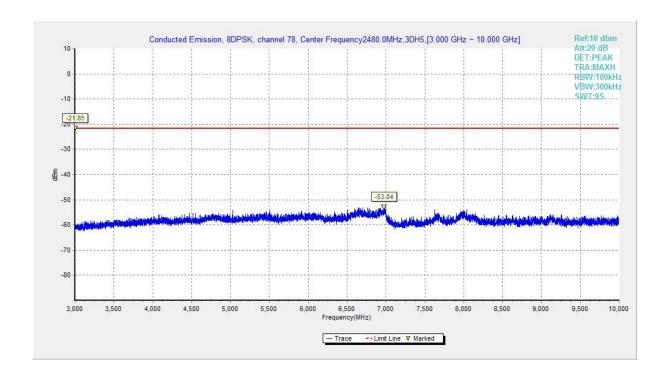


Fig. 48 Conducted Spurious Emission (8DPSK, Ch78, 3GHz-10 GHz)

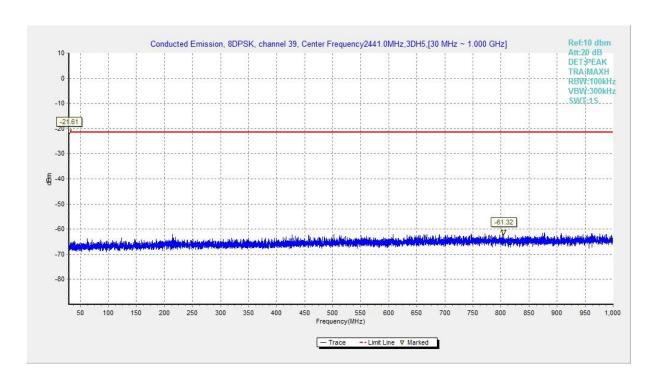


Fig. 49 Conducted Spurious Emission (All channel, 30 MHz-1 GHz)