



# FCC PART 15.247 TEST REPORT

For

## Sky Phone LLC

1348 Washington Av. Suite 350, Miami Beach, Florida, United States

**FCC ID: 2ABOSSKYELITE55LP**

|                                                                                                                                                                                                                                                      |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Report Type:</b><br>Original Report                                                                                                                                                                                                               | <b>Product Type:</b><br>4G Smart Phone                                                |
| <b>Report Number:</b> RSZ161124003-00B                                                                                                                                                                                                               |                                                                                       |
| <b>Report Date:</b> 2017-02-13                                                                                                                                                                                                                       |                                                                                       |
| Oscar Ye                                                                                                                                                                                                                                             |                                                                                       |
| <b>Reviewed By:</b> Engineer                                                                                                                                                                                                                         |  |
| <b>Prepared By:</b> Bay Area Compliance Laboratories Corp. (Kunshan)<br>No.248 Chenghu Road, Kunshan, Jiangsu province,<br>China<br>Tel: +86-0512-86175000<br>Fax: +86-0512-88934268<br><a href="http://www.baclcorp.com.cn">www.baclcorp.com.cn</a> |                                                                                       |

**Note:** This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp.

## **TABLE OF CONTENTS**

|                                                                        |           |
|------------------------------------------------------------------------|-----------|
| <b>GENERAL INFORMATION.....</b>                                        | <b>4</b>  |
| PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) .....               | 4         |
| OBJECTIVE .....                                                        | 4         |
| RELATED SUBMITTAL(S)/GRANT(S).....                                     | 4         |
| TEST METHODOLOGY .....                                                 | 4         |
| MEASUREMENT UNCERTAINTY.....                                           | 5         |
| TEST FACILITY .....                                                    | 5         |
| <b>SYSTEM TEST CONFIGURATION.....</b>                                  | <b>6</b>  |
| SUPPORT EQUIPMENT LIST AND DETAILS .....                               | 6         |
| EXTERNAL I/O CABLE.....                                                | 6         |
| BLOCK DIAGRAM OF TEST SETUP .....                                      | 7         |
| <b>SUMMARY OF TEST RESULTS .....</b>                                   | <b>8</b>  |
| <b>TEST EQUIPMENT LIST .....</b>                                       | <b>9</b>  |
| <b>FCC§15.247 (i), §1.1307 (b) (1) &amp;§2.1093 – RF EXPOSURE.....</b> | <b>10</b> |
| APPLICABLE STANDARD .....                                              | 10        |
| <b>FCC §15.203 – ANTENNA REQUIREMENT .....</b>                         | <b>11</b> |
| APPLICABLE STANDARD .....                                              | 11        |
| ANTENNA CONNECTOR CONSTRUCTION .....                                   | 11        |
| <b>FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS .....</b>             | <b>12</b> |
| APPLICABLE STANDARD .....                                              | 12        |
| EUT SETUP .....                                                        | 12        |
| EMI TEST RECEIVER SETUP.....                                           | 12        |
| TEST PROCEDURE .....                                                   | 12        |
| CORRECTED FACTOR & MARGIN CALCULATION .....                            | 13        |
| TEST RESULTS SUMMARY .....                                             | 13        |
| TEST DATA .....                                                        | 13        |
| <b>FCC §15.205, §15.209 &amp; §15.247(d) – RADIATED EMISSIONS.....</b> | <b>16</b> |
| APPLICABLE STANDARD .....                                              | 16        |
| EUT SETUP .....                                                        | 16        |
| EMI TEST RECEIVER & SPECTRUM ANALYZER SETUP .....                      | 17        |
| TEST PROCEDURE .....                                                   | 17        |
| CORRECTED AMPLITUDE & MARGIN CALCULATION .....                         | 17        |
| TEST RESULTS SUMMARY .....                                             | 17        |
| TEST DATA .....                                                        | 18        |
| <b>FCC §15.247(a) (1)-CHANNEL SEPARATION TEST .....</b>                | <b>20</b> |
| APPLICABLE STANDARD .....                                              | 20        |
| TEST PROCEDURE .....                                                   | 20        |
| TEST DATA .....                                                        | 20        |
| <b>FCC §15.247(a) (1) – 20 dB EMISSION BANDWIDTH.....</b>              | <b>27</b> |
| APPLICABLE STANDARD .....                                              | 27        |
| TEST PROCEDURE .....                                                   | 27        |
| TEST DATA .....                                                        | 27        |

|                                                                        |           |
|------------------------------------------------------------------------|-----------|
| <b>FCC §15.247(a) (1) (iii)-QUANTITY OF HOPPING CHANNEL TEST .....</b> | <b>33</b> |
| APPLICABLE STANDARD .....                                              | 33        |
| TEST PROCEDURE .....                                                   | 33        |
| TEST DATA .....                                                        | 33        |
| <b>FCC §15.247(a) (1) (iii) - TIME OF OCCUPANCY (DWELL TIME).....</b>  | <b>36</b> |
| APPLICABLE STANDARD .....                                              | 36        |
| TEST PROCEDURE .....                                                   | 36        |
| TEST DATA .....                                                        | 36        |
| <b>FCC §15.247(b) (1) - PEAK OUTPUT POWER MEASUREMENT .....</b>        | <b>52</b> |
| APPLICABLE STANDARD .....                                              | 52        |
| TEST PROCEDURE .....                                                   | 52        |
| TEST DATA .....                                                        | 52        |
| <b>FCC §15.247(d) - BAND EDGES TESTING .....</b>                       | <b>54</b> |
| APPLICABLE STANDARD .....                                              | 54        |
| TEST PROCEDURE .....                                                   | 54        |
| TEST DATA .....                                                        | 54        |

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## GENERAL INFORMATION

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### Product Description for Equipment under Test (EUT)

The *Sky Phone LLC*'s product, model number: *Elite 5.5L+ (FCC ID: 2ABOSSKYELITE55LP)* in this report is a *4G Smart Phone* which was measured approximately: 154.5 mm (L) × 76 mm (W) × 8.8 mm (H), rated with input voltage: DC 3.8 V battery or DC 5.0V from adapter

#### Adapter Information:

Model: TL6D-0501000

Input: AC 100-240V, 50/60Hz, 0.15A

Output: DC 5.0V, 1.0A

*\* All measurement and test data in this report was gathered from production sample serial number: 1603754 (Assigned by BACL, Kunshan). The EUT supplied by the applicant was received on 2016-11-24.*

### Objective

This test report is prepared on behalf of *Sky Phone LLC* in accordance with Part 2-Subpart J, Part 15-Subparts A, B and C of the Federal Communication Commissions rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

### Related Submittal(s)/Grant(s)

FCC Part 22H & 24E & 27 PCE, FCC Part 15.247 DTS and Part 15B JBP submissions with FCC ID: 2ABOSSKYELITE55LP.

### Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Kunshan). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

**Measurement Uncertainty**

| Item                               |            | Uncertainty   |
|------------------------------------|------------|---------------|
| AC Power Lines Conducted Emissions |            | $\pm 3.26$ dB |
| RF conducted test with spectrum    |            | $\pm 0.9$ dB  |
| RF Output Power with Power meter   |            | $\pm 0.5$ dB  |
| Radiated emission                  | 30MHz~1GHz | $\pm 5.91$ dB |
|                                    | Above 1G   | $\pm 4.92$ dB |
| Occupied Bandwidth                 |            | $\pm 0.5$ kHz |
| Temperature                        |            | $\pm 1.0$ °C  |
| Humidity                           |            | $\pm 6\%$     |

**Test Facility**

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu province, China

Test site at Bay Area Compliance Laboratories Corp. (Kunshan) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on November 06, 2014. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.10-2013.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 815570. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

## SYSTEM TEST CONFIGURATION

### Description of Test Configuration

The system was configured for testing in engineering mode.

### EUT Exercise Software

No exercise software was used.

### Special Accessories

No special accessory.

### Equipment Modifications

No modification was made to the EUT tested.

### Support Equipment List and Details

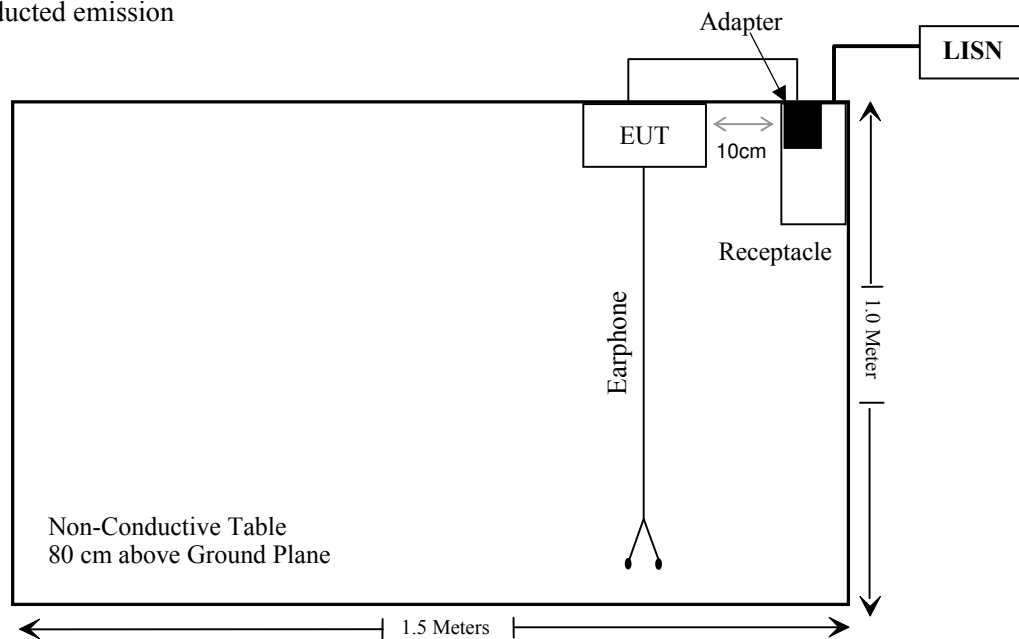
| Manufacturer | Description | Model | Serial Number |
|--------------|-------------|-------|---------------|
| N/A          | N/A         | N/A   | N/A           |

### External I/O Cable

| Cable Description                      | Length (m) | From Port | To       |
|----------------------------------------|------------|-----------|----------|
| Un-shielding Detachable USB Cable      | 1.5        | EUT       | Adapter  |
| Un-shielding Detachable Earphone Cable | 1.2        | EUT       | Earphone |

## Block Diagram of Test Setup

For conducted emission



**SUMMARY OF TEST RESULTS**

| <b>FCC Rules</b>              | <b>Description of Test</b>       | <b>Result</b> |
|-------------------------------|----------------------------------|---------------|
| §15.247 (i), §2.1093          | RF Exposure                      | Compliance    |
| §15.203                       | Antenna Requirement              | Compliance    |
| §15.207(a)                    | AC Line Conducted Emissions      | Compliance    |
| §15.205, §15.209 & §15.247(d) | Radiated Emissions               | Compliance    |
| §15.247(a)(1)                 | 20 dB Emission Bandwidth         | Compliance    |
| §15.247(a)(1)                 | Channel Separation Test          | Compliance    |
| §15.247(a)(1)(iii)            | Time of Occupancy (Dwell Time)   | Compliance    |
| §15.247(a)(1)(iii)            | Quantity of hopping channel Test | Compliance    |
| §15.247(b)(1)                 | Peak Output Power Measurement    | Compliance    |
| §15.247(d)                    | Band edges                       | Compliance    |

## TEST EQUIPMENT LIST

| Manufacturer                  | Description        | Model                 | Serial Number | Calibration Date | Calibration Due Date |
|-------------------------------|--------------------|-----------------------|---------------|------------------|----------------------|
| <b>AC Line Conducted test</b> |                    |                       |               |                  |                      |
| Rohde & Schwarz               | EMI Test Receiver  | ESCS30                | 834115/007    | 2016-11-25       | 2017-11-25           |
| Rohde & Schwarz               | LISN               | ESH3-Z5               | 862770/011    | 2016-10-10       | 2017-10-10           |
| Rohde & Schwarz               | Pulse limiter      | ESH3-Z2               | 879940/0058   | 2016-06-18       | 2017-06-17           |
| MICRO-COAX                    | Coaxial line       | UFB-293B-1-0480-50X50 | 97F0173       | 2016-09-08       | 2017-09-08           |
| Rohde & Schwarz               | CE Test software   | EMC 32                | V 09.10.0     | NCR              | NCR                  |
| <b>Radiation test</b>         |                    |                       |               |                  |                      |
| Sonoma Instrunent             | Amplifier          | 330                   | 171377        | 2016-12-12       | 2017-12-12           |
| Rohde & Schwarz               | EMI Test Receiver  | ESCI                  | 100195        | 2016-11-25       | 2017-11-25           |
| Sunol Sciences                | Broadband Antenna  | JB3                   | A090314-2     | 2016-01-09       | 2019-01-08           |
| Narda                         | Pre-amplifier      | AFS42-00101800        | 2001270       | 2016-09-08       | 2017-09-08           |
| EMCO                          | Horn Antenna       | 3116                  | 9510-2384     | 2015-11-07       | 2018-11-06           |
| Rohde & Schwarz               | Signal Analyzer    | FSIQ26                | 100048        | 2016-11-25       | 2017-11-25           |
| ETS                           | Horn Antenna       | 3115                  | 9311-4159     | 2016-01-11       | 2019-01-10           |
| R&S                           | Auto test Software | EMC32                 | V 09.10.0     | NCR              | NCR                  |
| haojintech                    | Coaxial Cable      | Cable-1               | 001           | 2016-12-12       | 2017-12-12           |
| haojintech                    | Coaxial Cable      | Cable-2               | 002           | 2016-12-12       | 2017-12-12           |
| haojintech                    | Coaxial Cable      | Cable-3               | 003           | 2016-12-12       | 2017-12-12           |
| MICRO-COAX                    | Coaxial Cable      | Cable-4               | 004           | 2016-12-12       | 2017-12-12           |
| MICRO-COAX                    | Coaxial Cable      | Cable-5               | 005           | 2016-12-12       | 2017-12-12           |
| <b>RF Conducted test</b>      |                    |                       |               |                  |                      |
| BACL                          | TS 8997 Cable-01   | T-KS-EMC086           | T-KS-EMC086   | 2015-12-10       | 2016-12-09           |
| BACL                          | RF cable           | KS-LAB-012            | KS-LAB-012    | 2015-12-16       | 2016-12-15           |
| WEINSCHL                      | 3dB Attenuator     | 5326                  | N/A           | 2016-06-18       | 2017-06-18           |
| Agilent                       | Power Meter        | N1912A                | MY5000492     | 2016-11-18       | 2017-11-17           |
| Agilent                       | Power Sensor       | N1921A                | MY54210024    | 2016-11-18       | 2017-11-17           |
| Rohde & Schwarz               | Signal Analyzer    | FSIQ26                | 836131/009    | 2016-09-21       | 2017-09-21           |

\* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

## **FCC§15.247 (i), §1.1307 (b) (1) &§2.1093 – RF EXPOSURE**

### **Applicable Standard**

According to FCC §2.1093 and §1.1307(b) (1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB 447498 D01 General RF Exposure Guidance

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot$

$[\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where

1.  $f(\text{GHz})$  is the RF channel transmit frequency in GHz.

2. Power and distance are rounded to the nearest mW and mm before calculation.

3. The result is rounded to one decimal place for comparison.

4. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test Exclusion.

**For worst case:**

| Frequency<br>(MHz) | Maximum conducted Tune-up<br>power |            | Calculated<br>Distance<br>(mm) | Calculated<br>value | Threshold<br>(1-g SAR) | SAR Test<br>Exclusion |
|--------------------|------------------------------------|------------|--------------------------------|---------------------|------------------------|-----------------------|
|                    | Power (dBm)                        | Power (mW) |                                |                     |                        |                       |
| 2480               | 5.0                                | 3.16       | 5                              | 1.0                 | 3.0                    | Yes                   |

**Result: No SAR test is required**

**FCC §15.203 – ANTENNA REQUIREMENT**

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**Applicable Standard**

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

**Antenna Connector Construction**

The EUT has one internal antenna arrangement for bluetooth which was permanently attached and the antenna gain is 0.3 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

**Result:** Compliance.

## FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

### Applicable Standard

FCC §15.207(a)

### EUT Setup



Note: 1. Support units were connected to second LISN.  
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is according with ANSI C63.10-2013. The related limit was specified in FCC Part 15.207.

The spacing between the peripherals was 10 cm.

### EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

| Frequency Range  | IF B/W |
|------------------|--------|
| 150 kHz – 30 MHz | 9 kHz  |

### Test Procedure

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

## Corrected Factor & Margin Calculation

The Corrected factor is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

$$\text{Correction Factor} = \text{LISN VDF} + \text{Cable Loss} + \text{Transient Limiter Attenuation}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

## Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level complies with the limit if

$$L_m + U_{(Lm)} \leq L_{\text{lim}} + U_{\text{cispr}}$$

In BACL,  $U_{(Lm)}$  is less than  $U_{\text{cispr}}$ , if  $L_m$  is less than  $L_{\text{lim}}$ , it implies that the EUT complies with the limit.

## Test Data

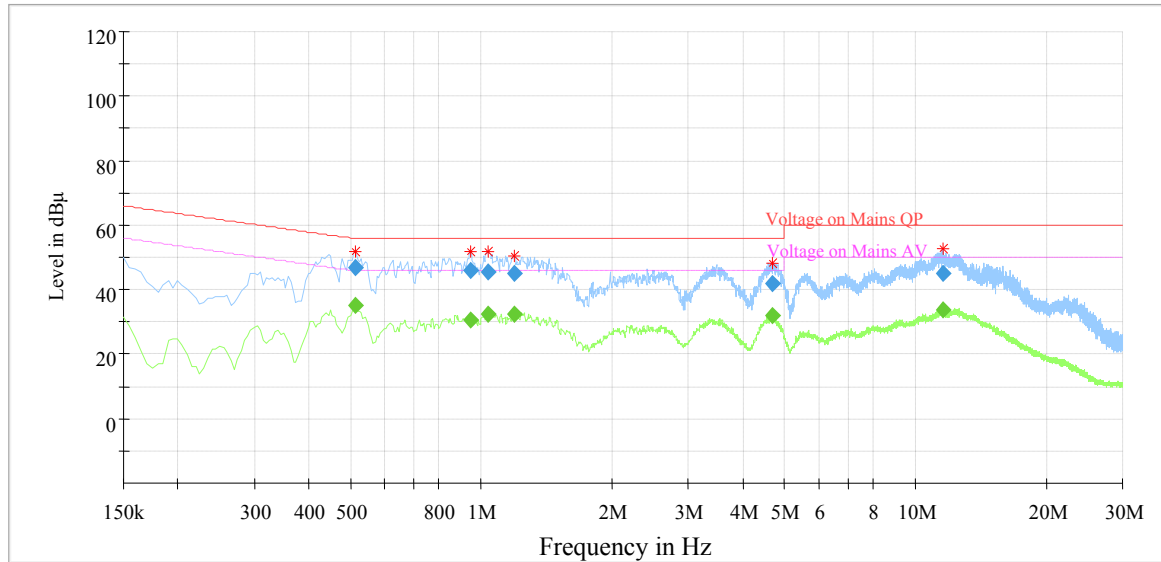
### Environmental Conditions

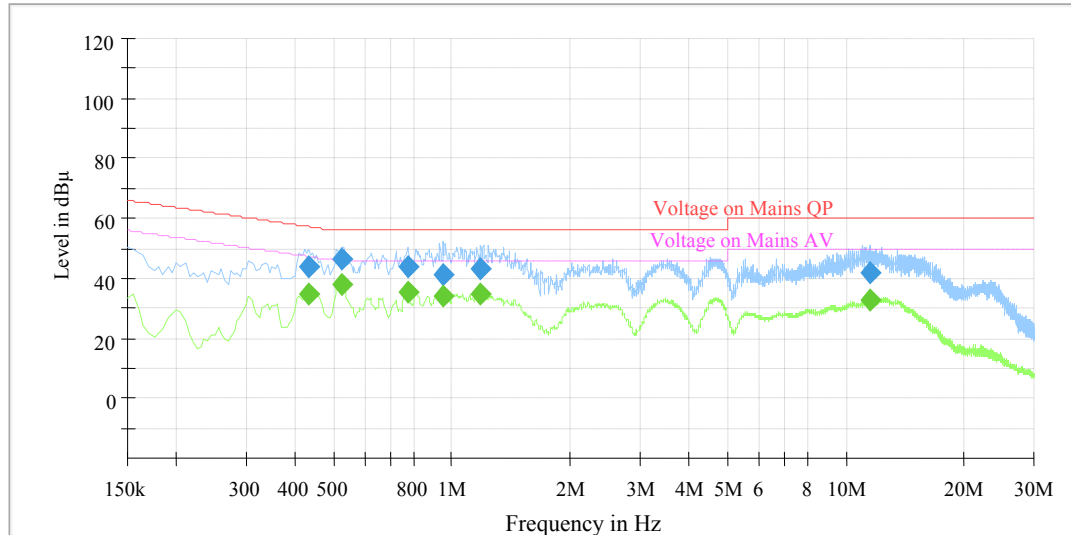
|                    |           |
|--------------------|-----------|
| Temperature:       | 25 °C     |
| Relative Humidity: | 46 %      |
| ATM Pressure:      | 101.0 kPa |

*The testing was performed by Layne Li on 2016-12-21*

EUT operation mode: Transmitting

AC 120V/60 Hz, Line:



**AC 120V/60 Hz, Neutral**

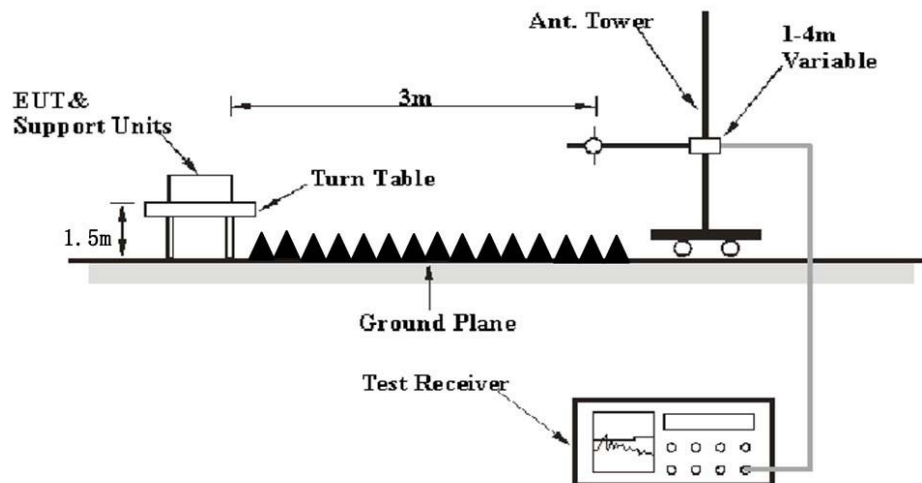
| Frequency (MHz) | QuasiPeak (dBμV) | Average (dB μ V) | Bandwidth (kHz) | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) | Comment    |
|-----------------|------------------|------------------|-----------------|------|------------|-------------|--------------|------------|
| 0.435000        | ---              | 34.68            | 9.000           | N    | 10.3       | 12.48       | 47.16        | Compliance |
| 0.435000        | 43.96            | ---              | 9.000           | N    | 10.3       | 13.20       | 57.16        | Compliance |
| 0.525000        | ---              | 38.11            | 9.000           | N    | 10.3       | 7.89        | 46.00        | Compliance |
| 0.525000        | 46.43            | ---              | 9.000           | N    | 10.3       | 9.57        | 56.00        | Compliance |
| 0.770000        | ---              | 35.05            | 9.000           | N    | 10.3       | 10.95       | 46.00        | Compliance |
| 0.770000        | 43.70            | ---              | 9.000           | N    | 10.3       | 12.30       | 56.00        | Compliance |
| 0.950000        | ---              | 34.11            | 9.000           | N    | 10.3       | 11.89       | 46.00        | Compliance |
| 0.950000        | 41.52            | ---              | 9.000           | N    | 10.3       | 14.48       | 56.00        | Compliance |
| 1.185000        | ---              | 34.81            | 9.000           | N    | 10.3       | 11.19       | 46.00        | Compliance |
| 1.185000        | 43.22            | ---              | 9.000           | N    | 10.3       | 12.78       | 56.00        | Compliance |
| 11.465000       | ---              | 32.89            | 9.000           | N    | 10.5       | 17.11       | 50.00        | Compliance |
| 11.465000       | 41.96            | ---              | 9.000           | N    | 10.5       | 18.04       | 60.00        | Compliance |

Note:

- 1) Corrected Amplitude = Reading + Correction Factor
- 2) Correction Factor = LISN VDF + Cable Loss + Transient Limiter Attenuation
- 3) Margin = Limit – Corrected Amplitude

**FCC §15.205, §15.209 & §15.247(d) – RADIATED EMISSIONS****Applicable Standard**

FCC §15.205; §15.209; §15.247(d)

**EUT Setup****Below 1 GHz:****Above 1GHz:**

The radiated emission tests were performed in the 3 meters, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, 205 and FCC 15.247 limits.

## EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

| Frequency Range   | RBW     | Video B/W | IF B/W  | Detector |
|-------------------|---------|-----------|---------|----------|
| 30 MHz – 1000 MHz | 100 kHz | 300 kHz   | 120 kHz | QP       |
| Above 1 GHz       | 1 MHz   | 3 MHz     | /       | PK       |
|                   | 1 MHz   | 10 Hz     | /       | Ave.     |

## Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All final data was recorded in Quasi-peak detection mode for frequency range of 30 MHz -1 GHz and peak and Average detection modes for frequencies above 1 GHz.

## Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

## Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247.

Refer to CISPR16-4-2:2011 and CISPR 16-4-1:2009, the measured level complies with the limit if

$$L_m + U_{(L_m)} \leq L_{lim} + U_{cispr}$$

In BACL,  $U_{(L_m)}$  is less than  $+ U_{cispr}$ , if  $L_m$  is less than  $L_{lim}$ , it implies that the EUT complies with the limit.

**Test Data****Environmental Conditions**

|                           |           |
|---------------------------|-----------|
| <b>Temperature:</b>       | 25 °C     |
| <b>Relative Humidity:</b> | 46 %      |
| <b>ATM Pressure:</b>      | 101.0 kPa |

The testing was performed by Layne Li on 2016-12-21

EUT operation mode: Transmitting

**30 MHz -25 GHz:** (Scan with GFSK,  $\pi/4$ -DQPSK, 8-DPSK mode, the worst case is BDR Mode (GFSK))

| Frequency<br>(MHz)     | Receiver          |                          | Turntable<br>Degree | Rx Antenna    |                | Corrected<br>Factor<br>(dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.247/205/209 |                |
|------------------------|-------------------|--------------------------|---------------------|---------------|----------------|-----------------------------|------------------------------------|----------------------------|----------------|
|                        | Reading<br>(dBμV) | Detector<br>(PK/QP/Ave.) |                     | Height<br>(m) | Polar<br>(H/V) |                             |                                    | Limit<br>(dBμV/m)          | Margin<br>(dB) |
| Low Channel (2402 MHz) |                   |                          |                     |               |                |                             |                                    |                            |                |
| 481.36                 | 34.8              | QP                       | 278                 | 1.2           | H              | -7.21                       | 27.59                              | 46                         | 18.41          |
| 2402.00                | 97.24             | PK                       | 227                 | 2.2           | H              | -6.19                       | 91.05                              | /                          | /              |
| 2402.00                | 85.8              | Ave.                     | 227                 | 2.2           | H              | -6.19                       | 79.61                              | /                          | /              |
| 2402.00                | 95.81             | PK                       | 54                  | 2.1           | V              | -6.19                       | 89.62                              | /                          | /              |
| 2402.00                | 84.76             | Ave.                     | 54                  | 2.1           | V              | -6.19                       | 78.57                              | /                          | /              |
| 2388.39                | 46.31             | PK                       | 90                  | 1.6           | H              | -6.19                       | 40.12                              | 74                         | 33.88          |
| 2388.39                | 32.06             | Ave.                     | 90                  | 1.6           | H              | -6.19                       | 25.87                              | 54                         | 28.13          |
| 2386.15                | 46.44             | PK                       | 358                 | 1.8           | H              | -6.19                       | 40.25                              | 74                         | 33.75          |
| 2386.15                | 32.06             | Ave.                     | 358                 | 1.8           | H              | -6.19                       | 25.87                              | 54                         | 28.13          |
| 2497.88                | 47.92             | PK                       | 246                 | 1.8           | H              | -5.97                       | 41.95                              | 74                         | 32.05          |
| 2497.88                | 33.57             | Ave.                     | 246                 | 1.8           | H              | -5.97                       | 27.60                              | 54                         | 26.40          |
| 4804.00                | 49.91             | PK                       | 53                  | 2.1           | H              | 1.6                         | 51.51                              | 74                         | 22.49          |
| 4804.00                | 35.77             | Ave.                     | 53                  | 2.1           | H              | 1.6                         | 37.37                              | 54                         | 16.63          |

| Frequency<br>(MHz)        | Receiver          |                          | Turntable<br>Degree | Rx Antenna    |                | Corrected<br>Factor<br>(dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.247/205/209 |                |
|---------------------------|-------------------|--------------------------|---------------------|---------------|----------------|-----------------------------|------------------------------------|----------------------------|----------------|
|                           | Reading<br>(dBμV) | Detector<br>(PK/QP/Ave.) |                     | Height<br>(m) | Polar<br>(H/V) |                             |                                    | Limit<br>(dBμV/m)          | Margin<br>(dB) |
| Middle Channel (2441 MHz) |                   |                          |                     |               |                |                             |                                    |                            |                |
| 481.36                    | 33.42             | QP                       | 184                 | 2.0           | H              | -7.21                       | 26.21                              | 46                         | 19.79          |
| 2441.00                   | 98.45             | PK                       | 308                 | 2.3           | H              | -6.19                       | 92.26                              | /                          | /              |
| 2441.00                   | 87.07             | Ave.                     | 308                 | 2.3           | H              | -6.19                       | 80.88                              | /                          | /              |
| 2441.00                   | 101.68            | PK                       | 2                   | 2.4           | V              | -6.19                       | 95.49                              | /                          | /              |
| 2441.00                   | 90.07             | Ave.                     | 2                   | 2.4           | V              | -6.19                       | 83.88                              | /                          | /              |
| 2382.46                   | 45.92             | PK                       | 182                 | 1.2           | H              | -6.19                       | 39.73                              | 74                         | 34.27          |
| 2382.46                   | 32.06             | Ave.                     | 182                 | 1.2           | H              | -6.19                       | 25.87                              | 54                         | 28.13          |
| 2385.03                   | 46.23             | PK                       | 30                  | 2.3           | H              | -6.19                       | 40.04                              | 74                         | 33.96          |
| 2385.03                   | 32.06             | Ave.                     | 30                  | 2.3           | H              | -6.19                       | 25.87                              | 54                         | 28.13          |
| 2484.95                   | 47.90             | PK                       | 99                  | 1.4           | H              | -5.97                       | 41.93                              | 74                         | 32.07          |
| 2484.95                   | 33.57             | Ave.                     | 99                  | 1.4           | H              | -5.97                       | 27.60                              | 54                         | 26.40          |
| 4882.00                   | 48.60             | PK                       | 318                 | 2.2           | H              | 1.83                        | 50.43                              | 74                         | 23.57          |
| 4882.00                   | 34.04             | Ave.                     | 318                 | 2.2           | H              | 1.83                        | 35.87                              | 54                         | 18.13          |
| High Channel (2480 MHz)   |                   |                          |                     |               |                |                             |                                    |                            |                |
| 481.36                    | 34.04             | QP                       | 228                 | 2.1           | H              | -7.21                       | 26.83                              | 46                         | 19.17          |
| 2480.00                   | 94.48             | PK                       | 269                 | 1.2           | H              | -5.97                       | 88.51                              | /                          | /              |
| 2480.00                   | 82.82             | Ave.                     | 269                 | 1.2           | H              | -5.97                       | 76.85                              | /                          | /              |
| 2480.00                   | 98.67             | PK                       | 165                 | 1.5           | V              | -5.97                       | 92.70                              | /                          | /              |
| 2480.00                   | 87.03             | Ave.                     | 165                 | 1.5           | V              | -5.97                       | 81.06                              | /                          | /              |
| 2383.42                   | 46.56             | PK                       | 186                 | 1.5           | H              | -6.19                       | 40.37                              | 74                         | 33.63          |
| 2383.42                   | 32.06             | Ave.                     | 186                 | 1.5           | H              | -6.19                       | 25.87                              | 54                         | 28.13          |
| 2385.53                   | 58.34             | PK                       | 205                 | 1.8           | H              | -6.19                       | 52.15                              | 74                         | 21.85          |
| 2385.53                   | 41.15             | Ave.                     | 205                 | 1.8           | H              | -6.19                       | 34.96                              | 54                         | 19.04          |
| 2484.22                   | 57.26             | PK                       | 248                 | 1.4           | H              | -5.97                       | 51.29                              | 74                         | 22.71          |
| 2484.22                   | 36.33             | Ave.                     | 248                 | 1.4           | H              | -5.97                       | 30.36                              | 54                         | 23.64          |
| 4960.00                   | 51.43             | PK                       | 258                 | 1.1           | H              | 2.06                        | 53.49                              | 74                         | 20.51          |
| 4960.00                   | 36.73             | Ave.                     | 258                 | 1.1           | H              | 2.06                        | 38.79                              | 54                         | 15.21          |

**Note:**

Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor

Corrected Amplitude = Corrected Factor + Reading

Margin = Limit - Corrected. Amplitude

The other spurious emission which is 20dB to the limit was not recorded.

**FCC §15.247(a) (1)-CHANNEL SEPARATION TEST****Applicable Standard**

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater provided the systems operate with an output power no greater than 125 mW.

**Test Procedure**

1. Set the EUT in transmitting mode, maxhold the channel.
2. Set the adjacent channel of the EUT and maxhold another trace.
3. Measure the channel separation.

**Test Data****Environmental Conditions**

|                           |           |
|---------------------------|-----------|
| <b>Temperature:</b>       | 25 °C     |
| <b>Relative Humidity:</b> | 50 %      |
| <b>ATM Pressure:</b>      | 101.0 kPa |

*The testing was performed by Nefertari Xu on 2016-12-08.*

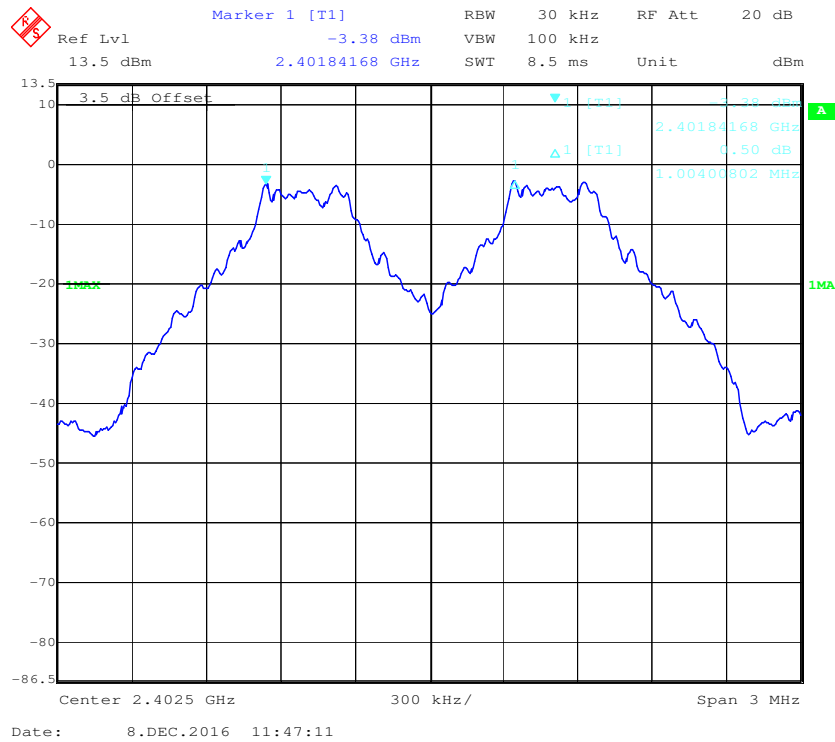
*EUT operation mode: Transmitting*

*Test Result: Compliance. Please refer to following table and plots*

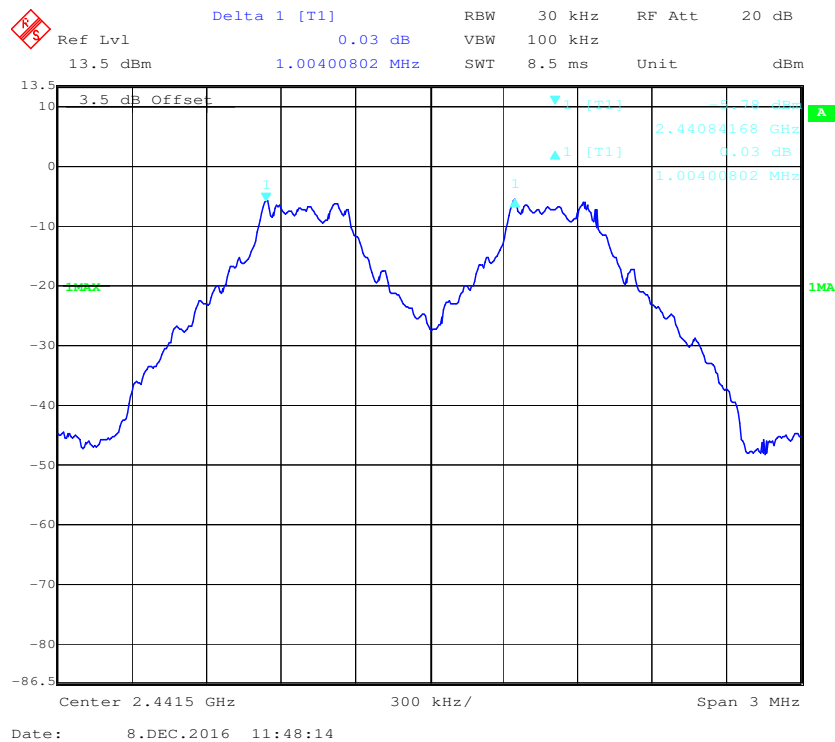
| Mode                   | Channel  | Frequency (MHz) | Channel Separation (MHz) | ≥Limit (MHz) | Result |
|------------------------|----------|-----------------|--------------------------|--------------|--------|
| <b>BDR (GFSK)</b>      | Low      | 2402            | 1.004                    | 0.633        | Pass   |
|                        | Adjacent | 2403            |                          |              |        |
|                        | Middle   | 2441            | 1.004                    | 0.633        | Pass   |
|                        | Adjacent | 2442            |                          |              |        |
|                        | High     | 2480            | 1.004                    | 0.633        | Pass   |
|                        | Adjacent | 2479            |                          |              |        |
| <b>EDR (π/4-DQPSK)</b> | Low      | 2402            | 1.004                    | 0.850        | Pass   |
|                        | Adjacent | 2403            |                          |              |        |
|                        | Middle   | 2441            | 0.998                    | 0.854        | Pass   |
|                        | Adjacent | 2442            |                          |              |        |
|                        | High     | 2480            | 1.004                    | 0.854        | Pass   |
|                        | Adjacent | 2479            |                          |              |        |
| <b>EDR (8DPSK)</b>     | Low      | 2402            | 1.004                    | 0.850        | Pass   |
|                        | Adjacent | 2403            |                          |              |        |
|                        | Middle   | 2441            | 1.004                    | 0.854        | Pass   |
|                        | Adjacent | 2442            |                          |              |        |
|                        | High     | 2480            | 0.998                    | 0.858        | Pass   |
|                        | Adjacent | 2479            |                          |              |        |

Note: Limit = 20 dB bandwidth \*2/3

### BDR (GFSK): Low Channel



### BDR (GFSK): Middle Channel



[illegible]

Ref Lvl 13.5 dBm 2.40184168 GHz SWT 8.5 ms Unit dBm

Marker 1 [T1] -4.70 dBm

RBW 30 kHz RF Att 20 dB

VBW 100 kHz

3.5 dB Offset

1.00400802 MHz

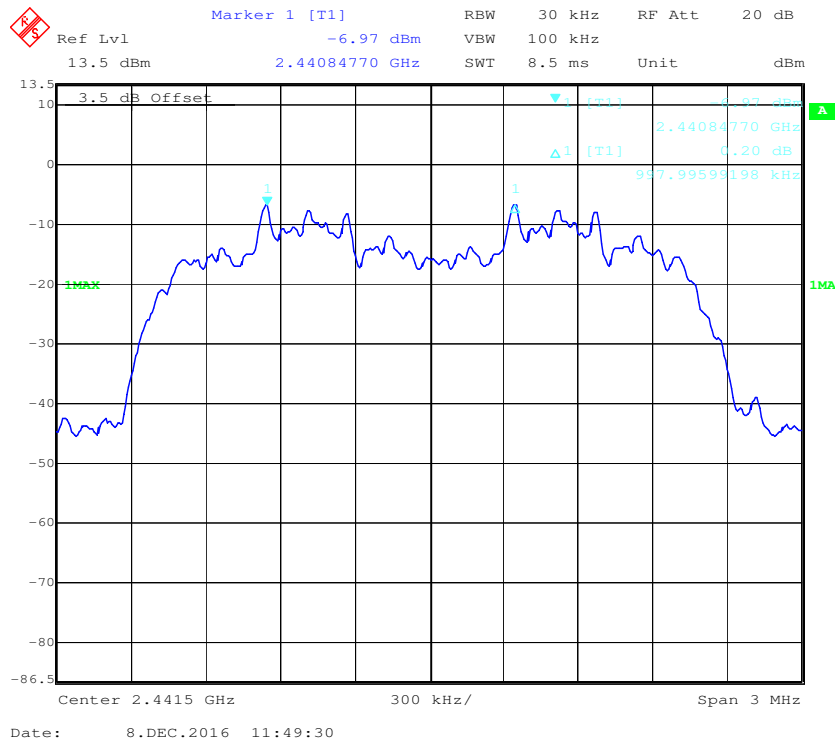
2.40184168 GHz

0.58 dB

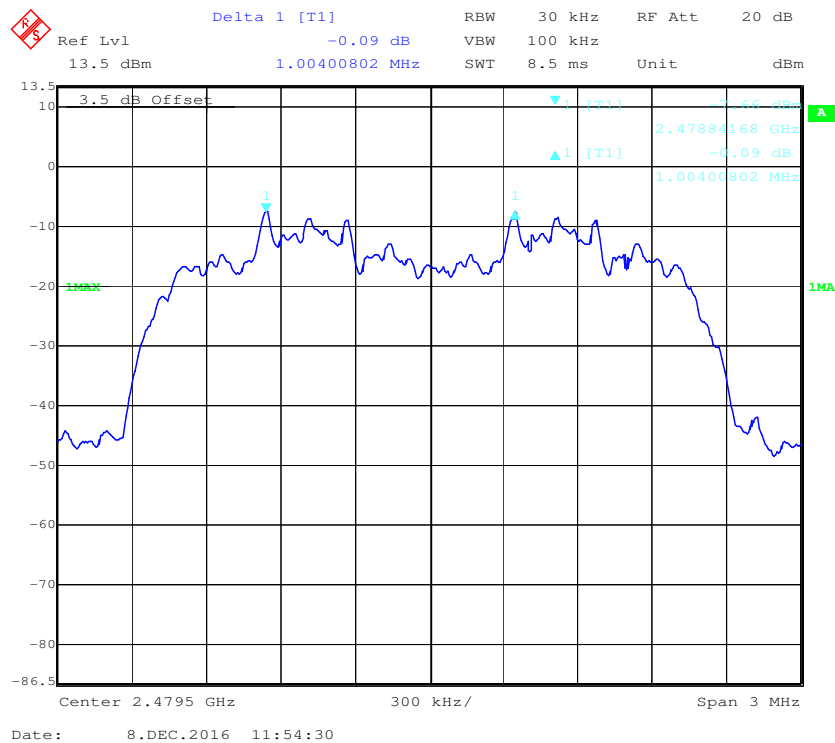
Center 2.4025 GHz 300 kHz/ Span 3 MHz

Date: 8.DEC.2016 11:45:09

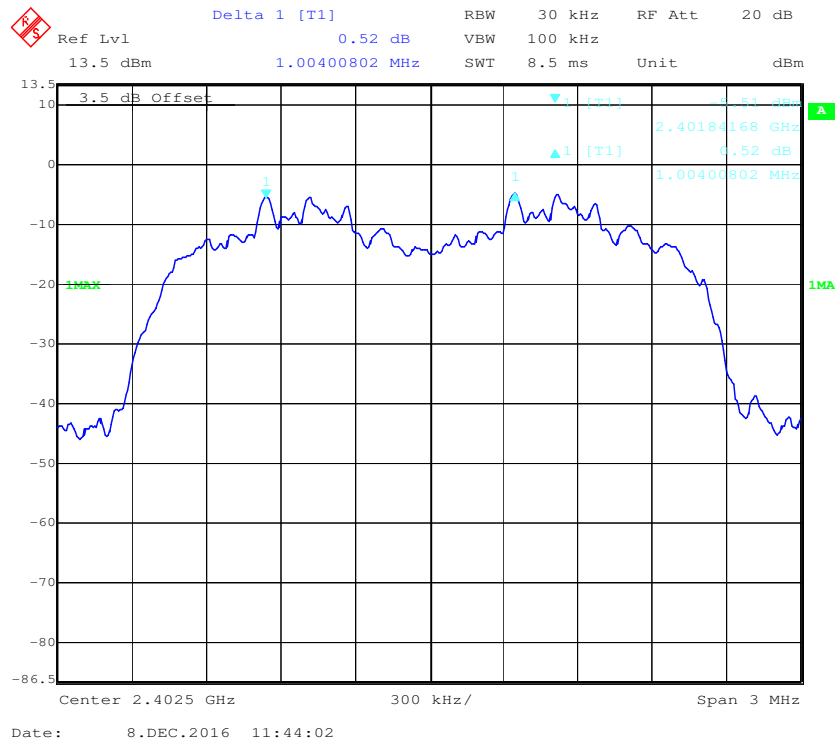
### EDR ( $\pi/4$ -DQPSK): Middle Channel



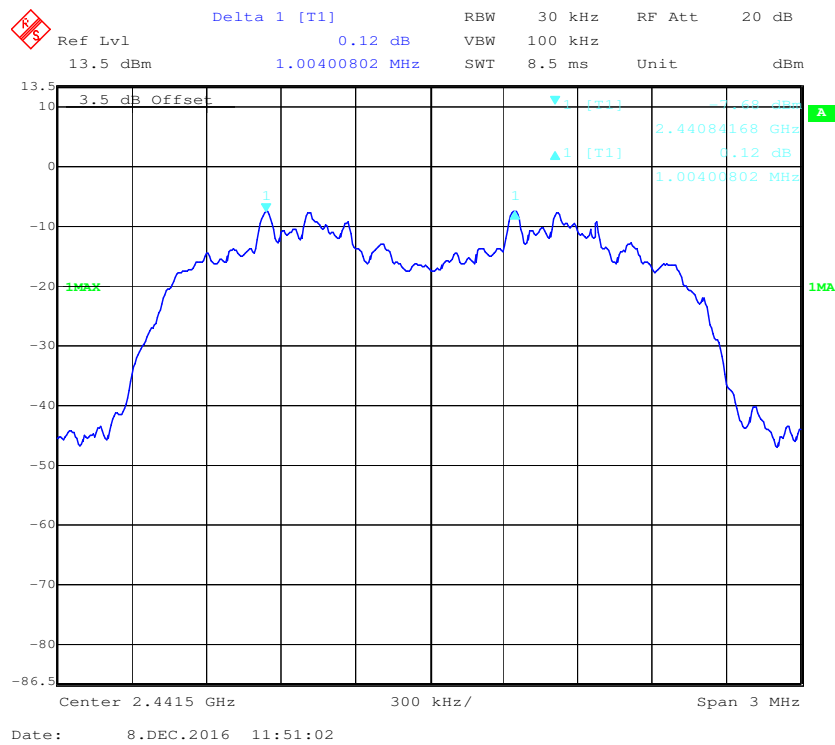
### EDR ( $\pi/4$ -DQPSK): High Channel



### EDR (8DPSK): Low Channel



### EDR (8DPSK): Middle Channel



[illegible]

**FCC §15.247(a) (1) – 20 dB EMISSION BANDWIDTH****Applicable Standard**

Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

**Test Procedure**

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.

**Test Data****Environmental Conditions**

|                           |           |
|---------------------------|-----------|
| <b>Temperature:</b>       | 25 °C     |
| <b>Relative Humidity:</b> | 50 %      |
| <b>ATM Pressure:</b>      | 101.0 kPa |

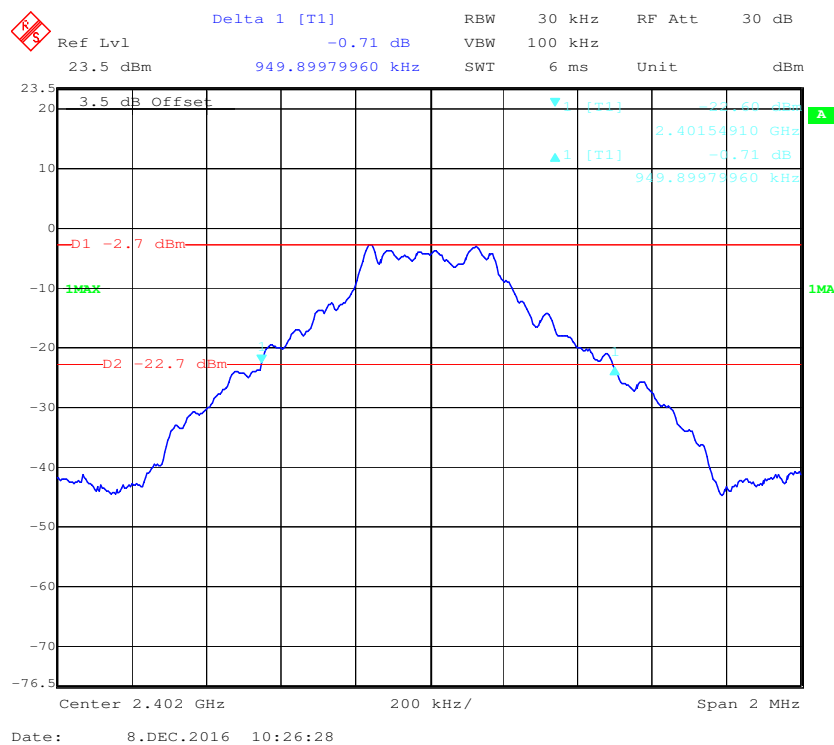
*The testing was performed by Nefertari Xu on 2016-12-08.*

EUT operation mode: Transmitting

Test Result: Compliance. Please refer to following table and plots.

| Mode                                  | Channel | Frequency (MHz) | 20 dB Emission Bandwidth (MHz) |
|---------------------------------------|---------|-----------------|--------------------------------|
| <b>BDR (GFSK)</b>                     | Low     | 2402            | 0.950                          |
|                                       | Middle  | 2441            | 0.950                          |
|                                       | High    | 2480            | 0.950                          |
| <b>EDR (<math>\pi/4</math>-DQPSK)</b> | Low     | 2402            | 1.275                          |
|                                       | Middle  | 2441            | 1.281                          |
|                                       | High    | 2480            | 1.281                          |
| <b>EDR (8DPSK)</b>                    | Low     | 2402            | 1.275                          |
|                                       | Middle  | 2441            | 1.281                          |
|                                       | High    | 2480            | 1.287                          |

### BDR (GFSK): Low Channel



Delta 1 [T1] RBW 30 kHz RF Att 30 dB  
 Ref Lvl -0.73 dB VBW 100 kHz  
 23.5 dBm 949.89979960 kHz SWT 6 ms Unit dBm

3.5 dB Offset  
 20  
 10  
 0  
 -10  
 -20  
 -30  
 -40  
 -50  
 -60  
 -70  
 -76.5

D1 -5.7 dBm  
 D2 -25.7 dBm  
 1 [T1] -5.73 dBm  
 1 [T1] -0.73 dBm  
 2.44054910 GHz  
 949.89979960 kHz

Center 2.441 GHz 200 kHz/ Span 2 MHz

Date: 8.DEC.2016 10:45:15

Delta 1 [T1]

Ref Lvl -0.56 dB

23.5 dBm 949.89979960 kHz

RBW 30 kHz RF Att 30 dB

VBW 100 kHz

SWT 6 ms Unit dBm

3.5 dB Offset

D1 -6.3 dBm

D2 -26.3 dBm

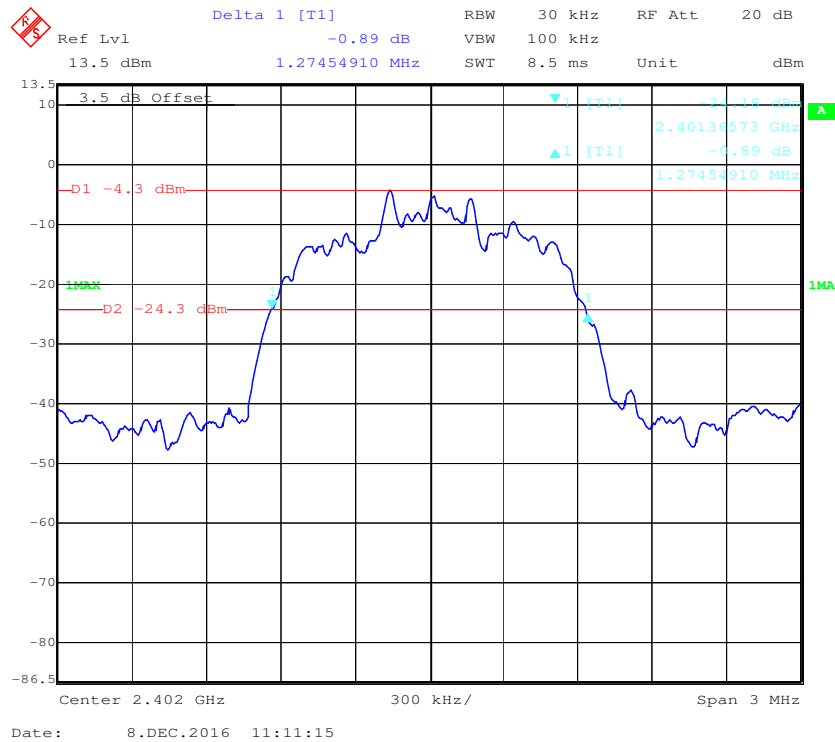
Center 2.48 GHz

200 kHz/

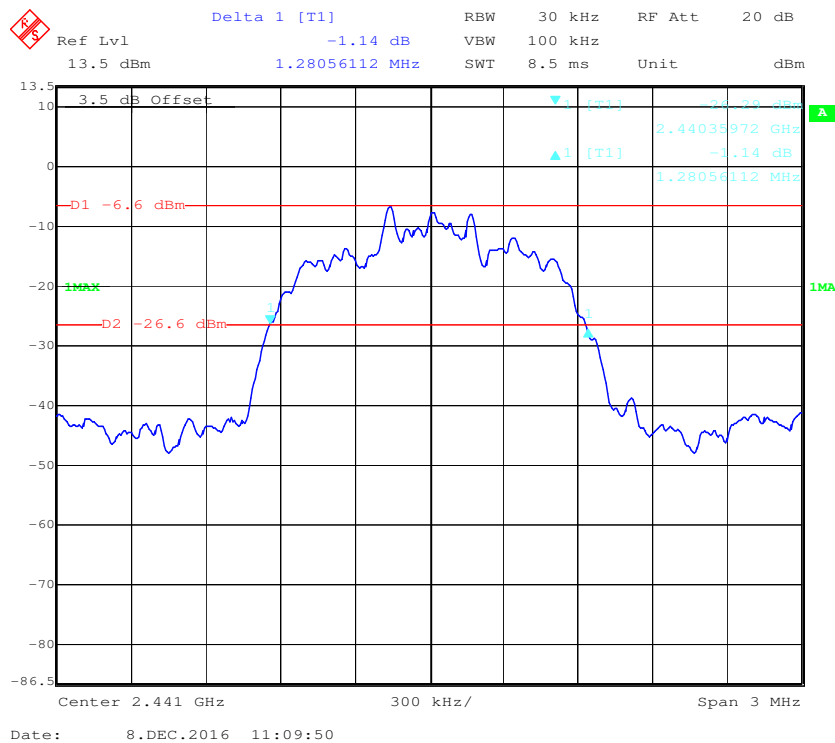
Span 2 MHz

Date: 8.DEC.2016 11:04:32

### EDR ( $\pi/4$ -DQPSK): Low Channel



### EDR ( $\pi/4$ -DQPSK): Middle Channel



Delta 1 [T1] RBW 30 kHz RF Att 20 dB

Ref Lvl -0.35 dB VBW 100 kHz

13.5 dBm 1.28056112 MHz SWT 8.5 ms Unit dBm

3.5 dB Offset

D1 -7.3 dBm

D2 -27.3 dBm

1 [T1] 2.47935972 GHz -7.3 dBm

1 [T1] 1.28056112 MHz -0.35 dB

Center 2.48 GHz 300 kHz/ Span 3 MHz

Date: 8.DEC.2016 11:06:43

Delta 1 [T1]

Ref Lvl -1.40 dB

13.5 dBm 1.27454910 MHz

RBW 30 kHz RF Att 20 dB

SWT 8.5 ms Unit dBm

3.5 dB Offset

D1 -5.2 dBm

D2 -25.2 dBm

1.27454910 MHz

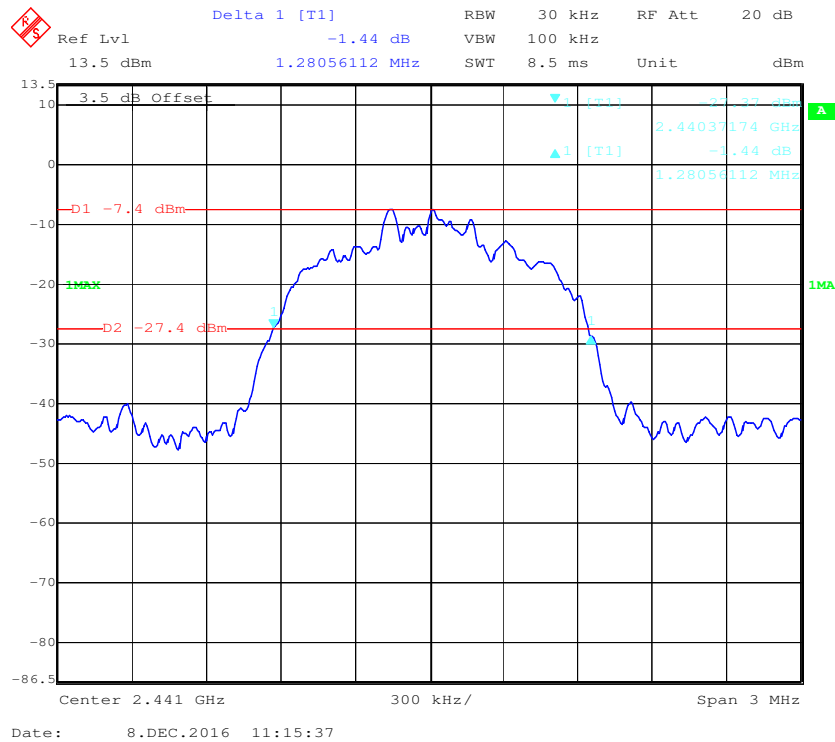
2.40137776 GHz

-1.40 dB

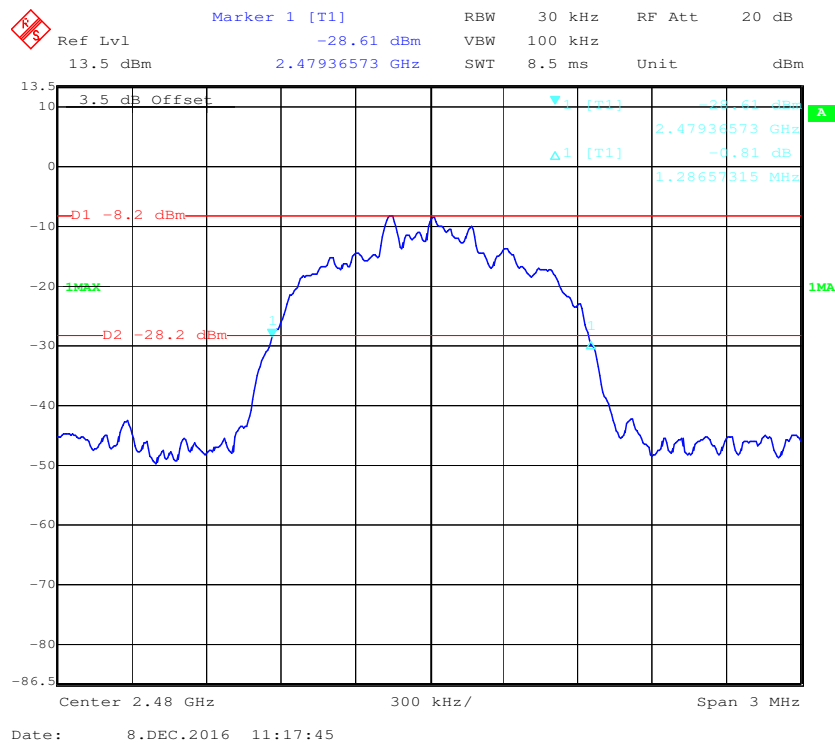
Center 2.402 GHz 300 kHz/ Span 3 MHz

Date: 8.DEC.2016 11:12:57

### EDR (8DPSK): Middle Channel



### EDR (8DPSK): High Channel



**FCC §15.247(a) (1) (iii)-QUANTITY OF HOPPING CHANNEL TEST****Applicable Standard**

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

**Test Procedure**

1. Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
2. Set the EUT in hopping mode from first channel to last.
3. By using the max-hold function record the quantity of the channel.

**Test Data****Environmental Conditions**

|                           |           |
|---------------------------|-----------|
| <b>Temperature:</b>       | 25 °C     |
| <b>Relative Humidity:</b> | 50 %      |
| <b>ATM Pressure:</b>      | 101.0 kPa |

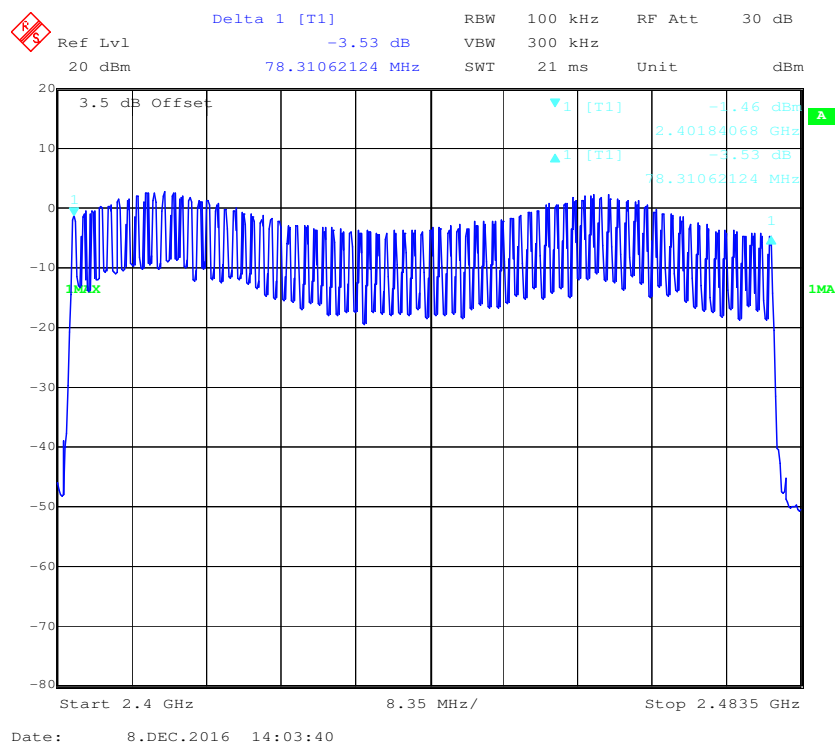
*The testing was performed by Nefertari Xu on 2016-12-08.*

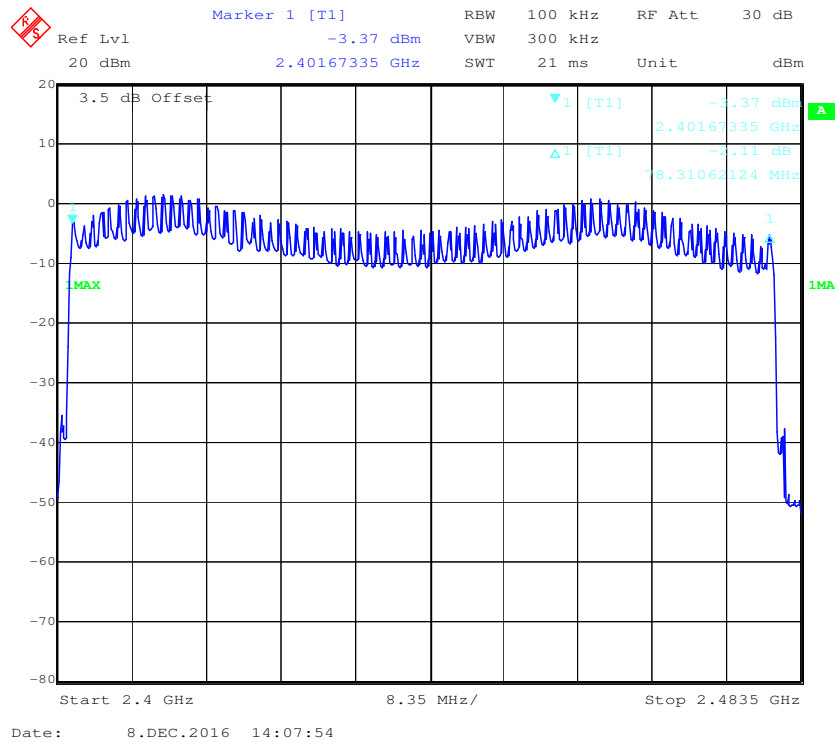
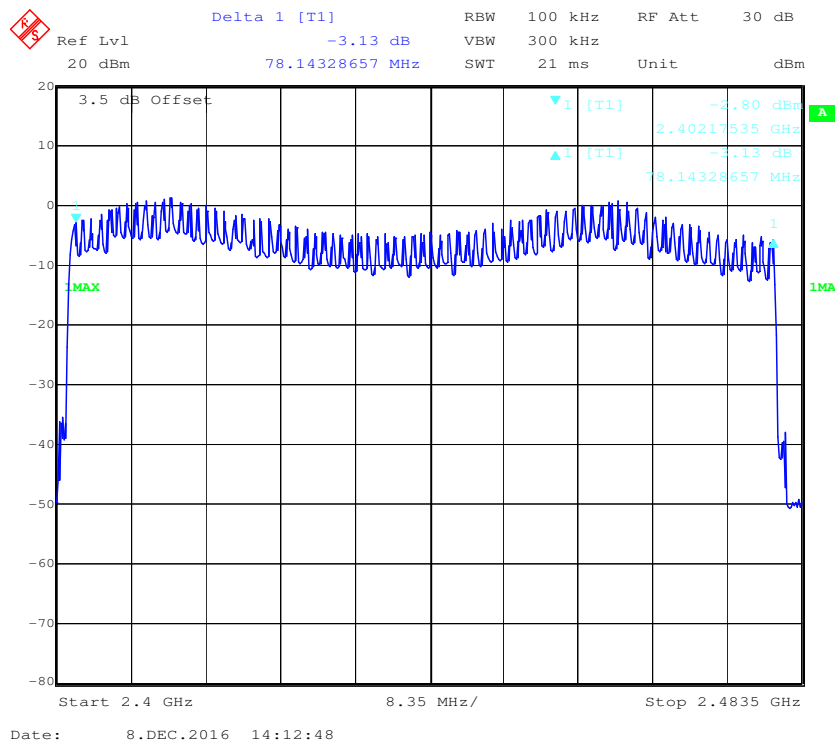
*EUT operation mode: Transmitting*

*Test Result: Compliance. Please refer to following table and plots.*

| Mode                  | Frequency Range (MHz) | Number of Hopping Channel (CH) | Limit (CH) |
|-----------------------|-----------------------|--------------------------------|------------|
| BDR (GFSK)            | 2400-2483.5           | 79                             | $\geq 15$  |
| EDR ( $\pi/4$ -DQPSK) | 2400-2483.5           | 79                             | $\geq 15$  |
| EDR (8DPSK)           | 2400-2483.5           | 79                             | $\geq 15$  |

### BDR (GFSK): Number of Hopping Channels



**EDR ( $\pi/4$ -DQPSK): Number of Hopping Channels****EDR (8DPSK): Number of Hopping Channels**

**FCC §15.247(a) (1) (iii) - TIME OF OCCUPANCY (DWELL TIME)****Applicable Standard**

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

**Test Procedure**

The EUT was worked in channel hopping; Spectrum SPAN was set as 0. Sweep was set as 0.4 X channel no. (s), the quantity of pulse was get from single sweep. In addition, the time of single pulses was tested.

**Test Data****Environmental Conditions**

|                           |           |
|---------------------------|-----------|
| <b>Temperature:</b>       | 25 °C     |
| <b>Relative Humidity:</b> | 50 %      |
| <b>ATM Pressure:</b>      | 100.0 kPa |

*The testing was performed by Nefertari Xu on 2016-12-08.*

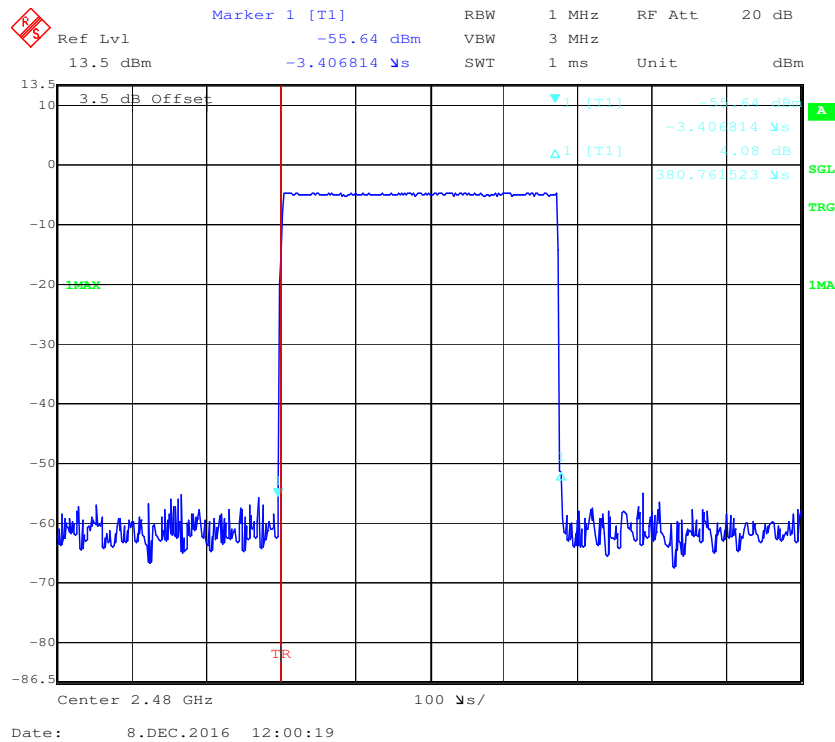
*EUT operation mode: Transmitting*

*Test Result: Compliance. Please refer to following table and plots.*

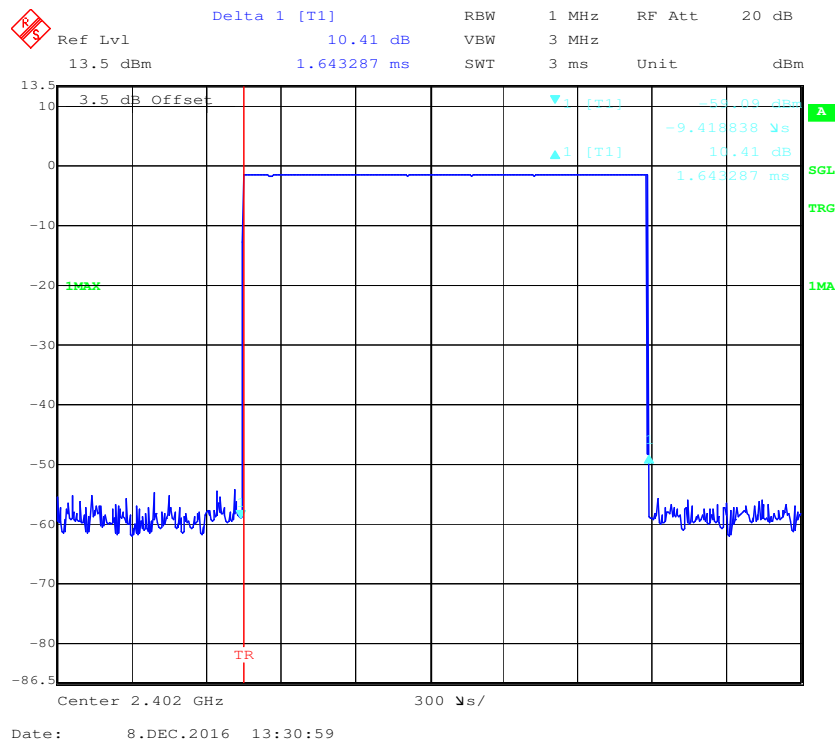
| Mode                  |       | Channel                                              | Pulse Width (ms) | Dwell Time (S) | Limit (S) | Result |
|-----------------------|-------|------------------------------------------------------|------------------|----------------|-----------|--------|
| BDR (GFSK)            | DH 1  | Low                                                  | 0.381            | 0.122          | 0.4       | Pass   |
|                       |       | Middle                                               | 0.381            | 0.122          | 0.4       | Pass   |
|                       |       | High                                                 | 0.381            | 0.122          | 0.4       | Pass   |
|                       |       | Note: DH1:Dwell time = Pulse time*(1600/2/79)*31.6S  |                  |                |           |        |
|                       | DH 3  | Low                                                  | 1.643            | 0.263          | 0.4       | Pass   |
|                       |       | Middle                                               | 1.643            | 0.263          | 0.4       | Pass   |
|                       |       | High                                                 | 1.643            | 0.263          | 0.4       | Pass   |
|                       |       | Note: DH3:Dwell time = Pulse time*(1600/4/79)*31.6S  |                  |                |           |        |
|                       | DH 5  | Low                                                  | 2.896            | 0.309          | 0.4       | Pass   |
|                       |       | Middle                                               | 2.906            | 0.310          | 0.4       | Pass   |
|                       |       | High                                                 | 2.906            | 0.310          | 0.4       | Pass   |
|                       |       | Note: DH5:Dwell time = Pulse time*(1600/6/79)*31.6S  |                  |                |           |        |
| EDR ( $\pi/4$ -DQPSK) | 2DH 1 | Low                                                  | 0.389            | 0.124          | 0.4       | Pass   |
|                       |       | Middle                                               | 0.389            | 0.124          | 0.4       | Pass   |
|                       |       | High                                                 | 0.389            | 0.124          | 0.4       | Pass   |
|                       |       | Note: 2DH1:Dwell time = Pulse time*(1600/2/79)*31.6S |                  |                |           |        |
|                       | 2DH 3 | Low                                                  | 1.658            | 0.265          | 0.4       | Pass   |
|                       |       | Middle                                               | 1.658            | 0.265          | 0.4       | Pass   |
|                       |       | High                                                 | 1.658            | 0.265          | 0.4       | Pass   |
|                       |       | Note: 2DH3:Dwell time = Pulse time*(1600/4/79)*31.6S |                  |                |           |        |
|                       | 2DH 5 | Low                                                  | 2.910            | 0.309          | 0.4       | Pass   |
|                       |       | Middle                                               | 2.910            | 0.309          | 0.4       | Pass   |
|                       |       | High                                                 | 2.910            | 0.309          | 0.4       | Pass   |
|                       |       | Note: 2DH5:Dwell time = Pulse time*(1600/6/79)*31.6S |                  |                |           |        |
| EDR (8DPSK)           | 3DH 1 | Low                                                  | 0.391            | 0.125          | 0.4       | Pass   |
|                       |       | Middle                                               | 0.387            | 0.124          | 0.4       | Pass   |
|                       |       | High                                                 | 0.387            | 0.124          | 0.4       | Pass   |
|                       |       | Note: 3DH1:Dwell time = Pulse time*(1600/2/79)*31.6S |                  |                |           |        |
|                       | 3DH 3 | Low                                                  | 1.654            | 0.265          | 0.4       | Pass   |
|                       |       | Middle                                               | 1.654            | 0.265          | 0.4       | Pass   |
|                       |       | High                                                 | 1.654            | 0.265          | 0.4       | Pass   |
|                       |       | Note: 3DH3:Dwell time = Pulse time*(1600/4/79)*31.6S |                  |                |           |        |
|                       | 3DH 5 | Low                                                  | 2.910            | 0.310          | 0.4       | Pass   |
|                       |       | Middle                                               | 2.910            | 0.310          | 0.4       | Pass   |
|                       |       | High                                                 | 2.920            | 0.311          | 0.4       | Pass   |
|                       |       | Note: 3DH5:Dwell time = Pulse time*(1600/6/79)*31.6S |                  |                |           |        |



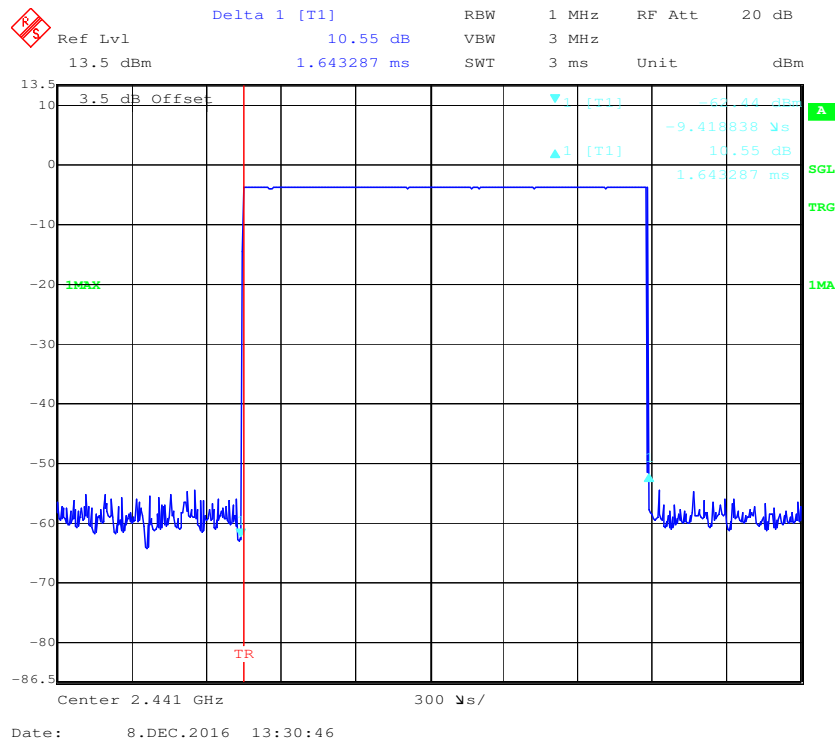
### Pulse time, High Channel, DH1



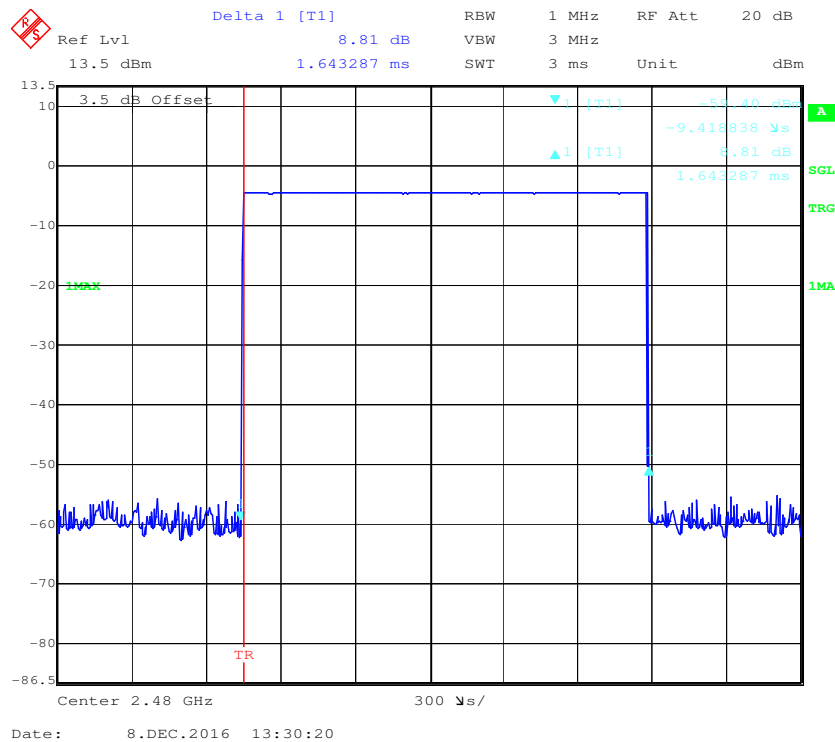
### Pulse time, Low Channel, DH3



### Pulse time, Middle Channel, DH3



### Pulse time, High Channel, DH3



Delta 1 [T1] RBW 1 MHz RF Att 20 dB  
 Ref Lvl -2.50 dB VBW 3 MHz  
 13.5 dBm 2.895792 ms SWT 5 ms Unit dBm

3.5 dB Offset  
 -2.50 dB  
 -29.458918 μs  
 -2.50 dB  
 2.895792 ms

1MAX  
 TR  
 1MA

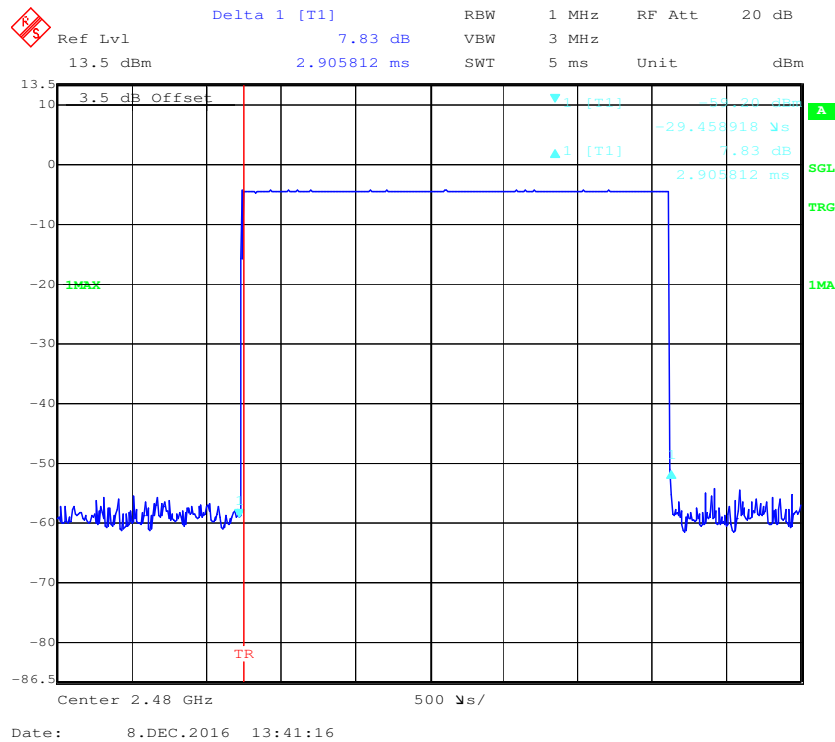
Center 2.402 GHz 500 μs/

Date: 8.DEC.2016 13:40:18

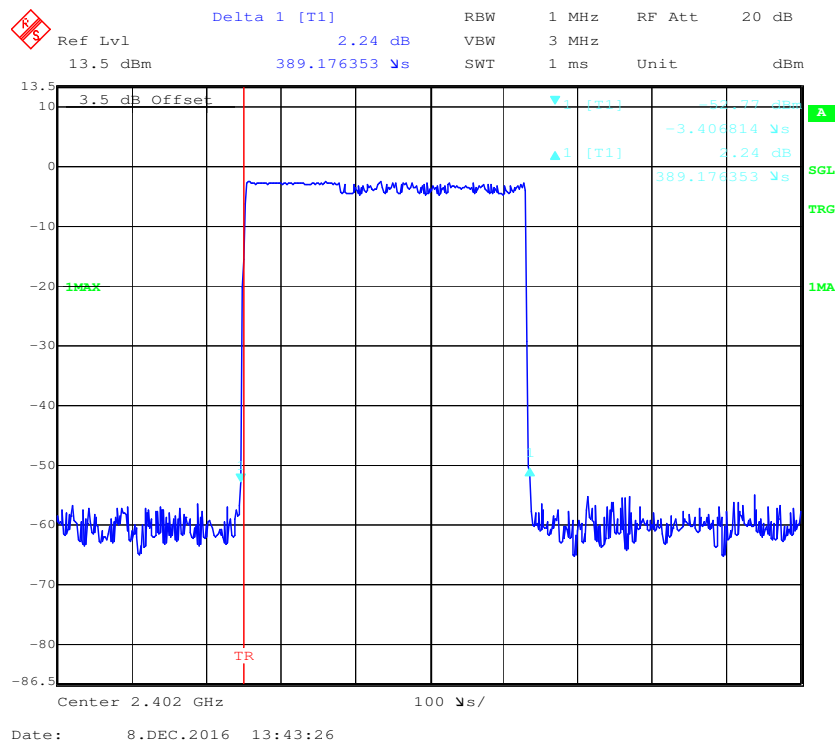
Delta 1 [T1]  
 Ref Lvl 7.88 dB  
 13.5 dBm 2.905812 ms  
 RBW 1 MHz RF Att 20 dB  
 VBW 3 MHz  
 SWT 5 ms Unit dBm

3.5 dB Offset  
 -59.63 dBm  
 -29.458918 V<sub>s</sub>  
 7.88 dB  
 2.905812 ms  
 -60 dBm  
 TR  
 Center 2.441 GHz 500 V<sub>s</sub>/

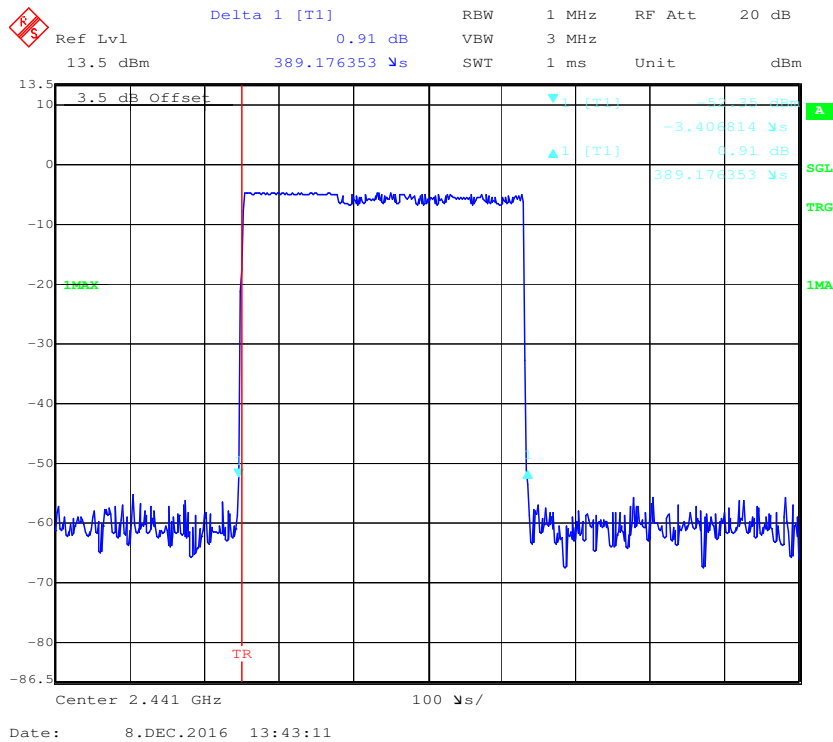
### Pulse time, High Channel, DH5



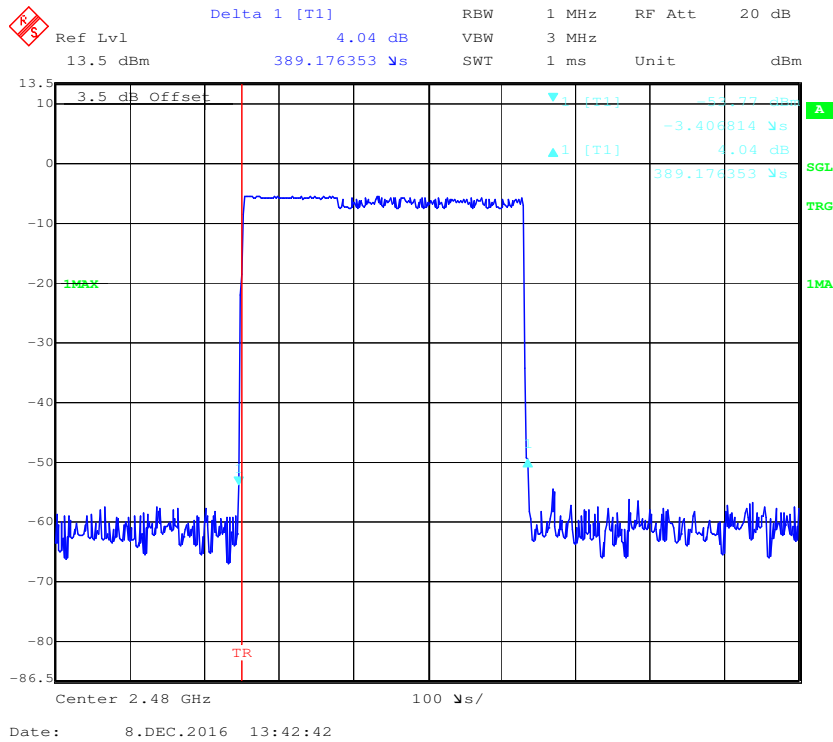
### EDR ( $\pi/4$ -DQPSK): Pulse time, Low Channel, 2DH1



### Pulse time, Middle Channel, 2DH1



### Pulse time, High Channel, 2DH1



[illegible]

Ref Lvl 13.5 dBm

Marker 1 [T1] -58.58 dBm

RBW 1 MHz

VBW 3 MHz

RF Att 20 dB

SWT 3 ms

Unit dBm

3.5 dB Offset

10

0

-10

-20

-30

-40

-50

-60

-70

-80

-85

Center 2.441 GHz

300 μs/

1W3X

TR

1.657713 ms

-9.418838 μs

-2.46 dB

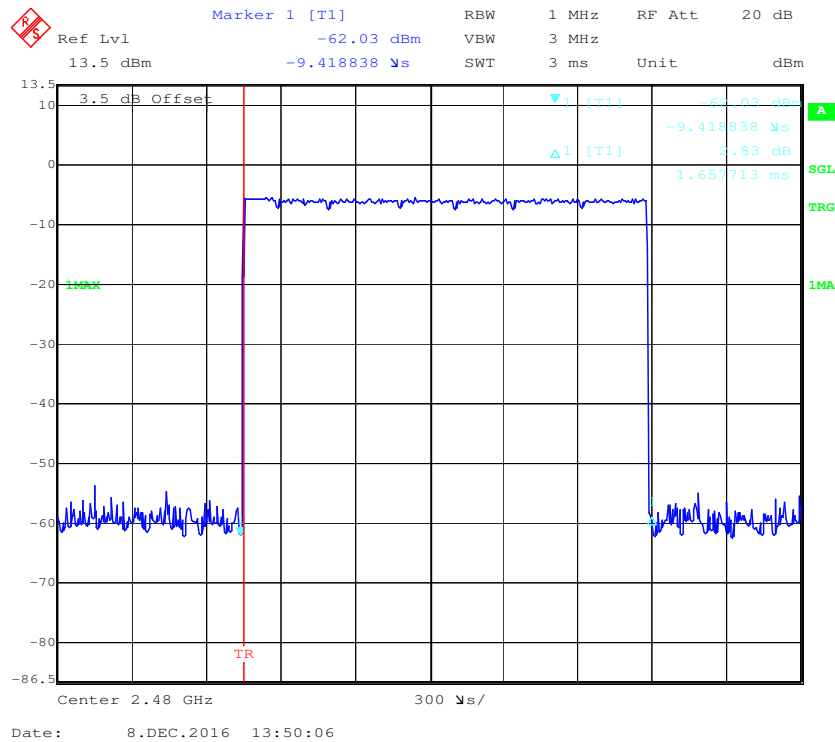
SGL

TRG

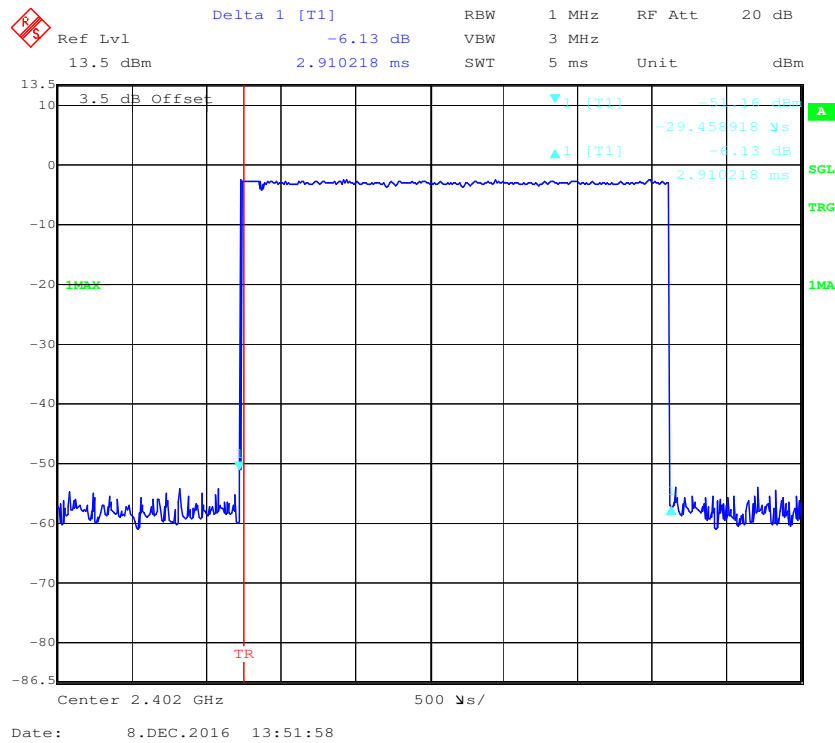
1MA

Date: 8.DEC.2016 13:49:53

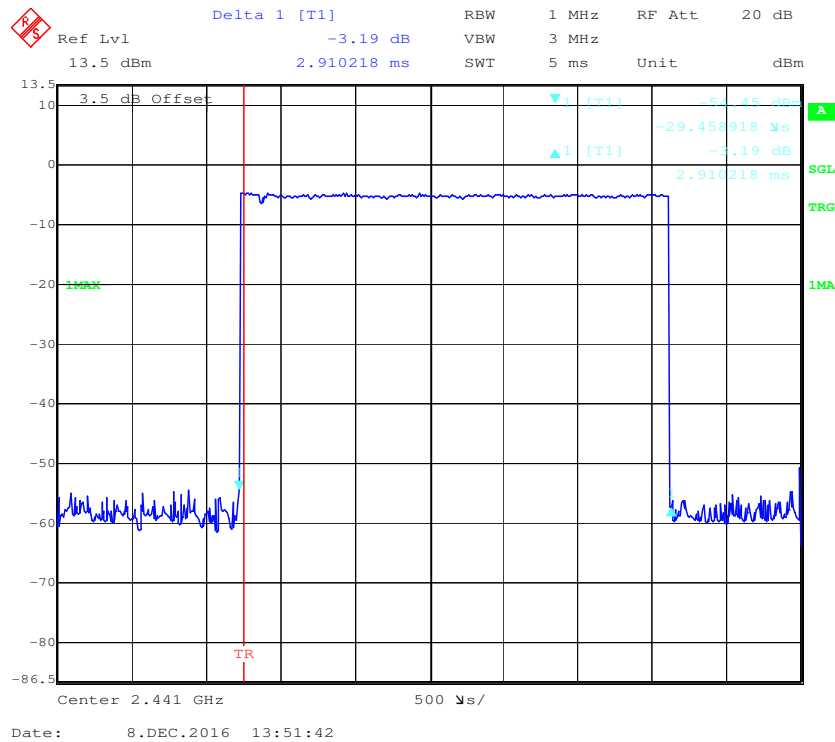
### Pulse time, High Channel, 2DH3



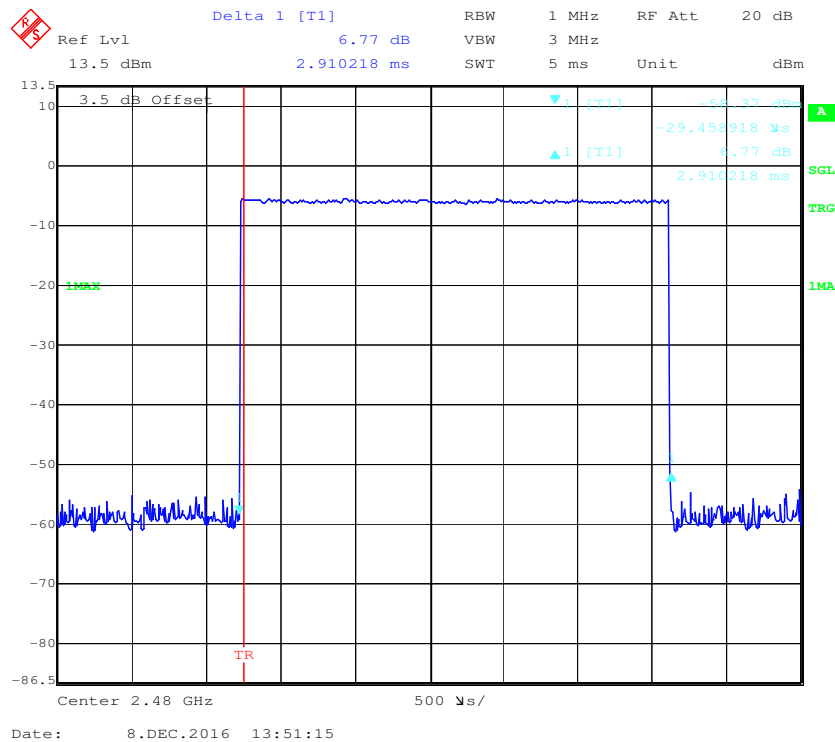
### Pulse time, Low Channel, 2DH5



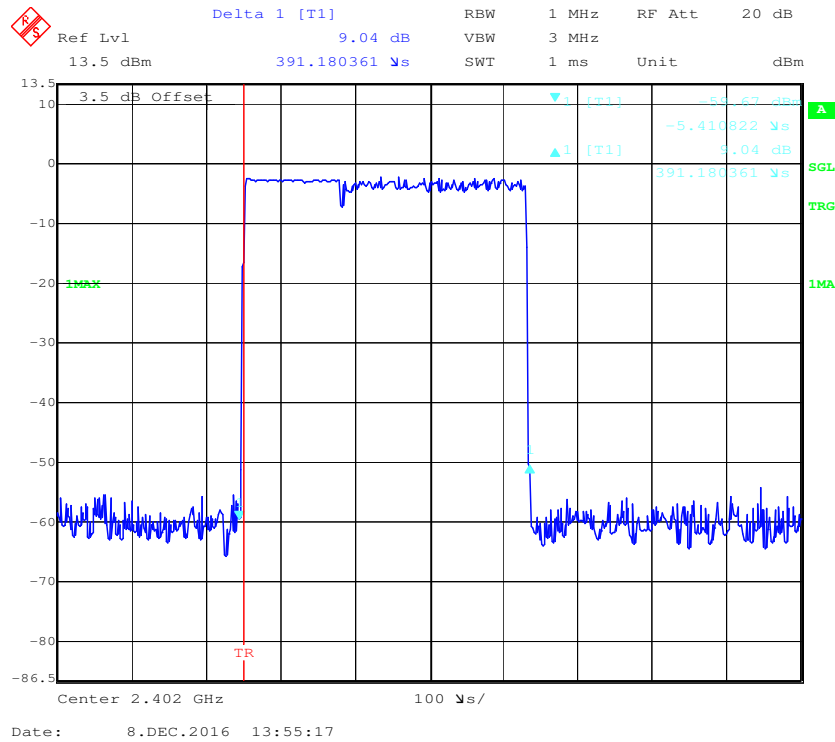
### Pulse time, Middle Channel, 2DH5



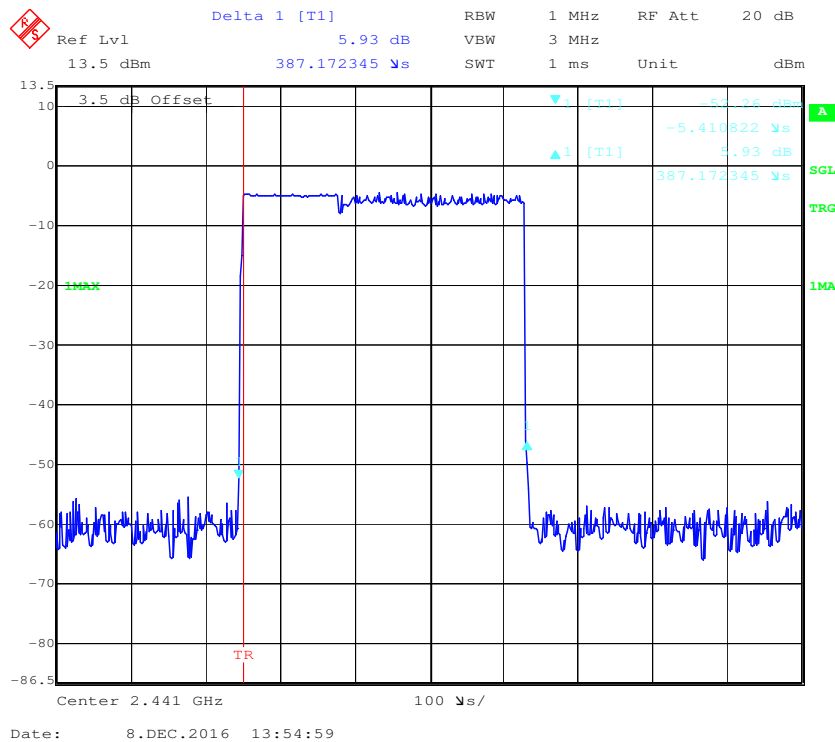
### Pulse time, High Channel, 2DH5



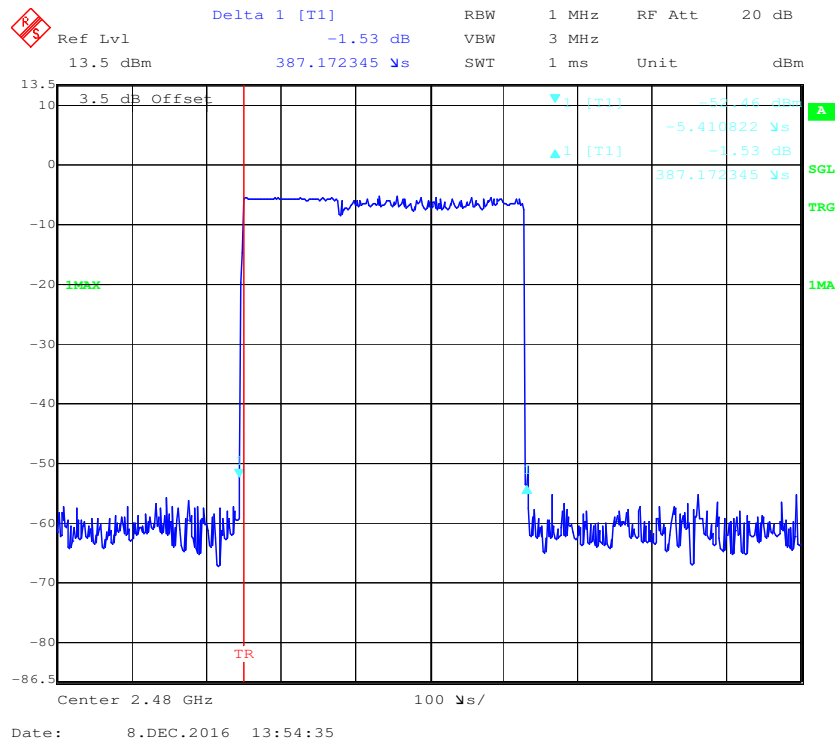
### EDR (8DPSK): Pulse time, Low Channel, 3DH1



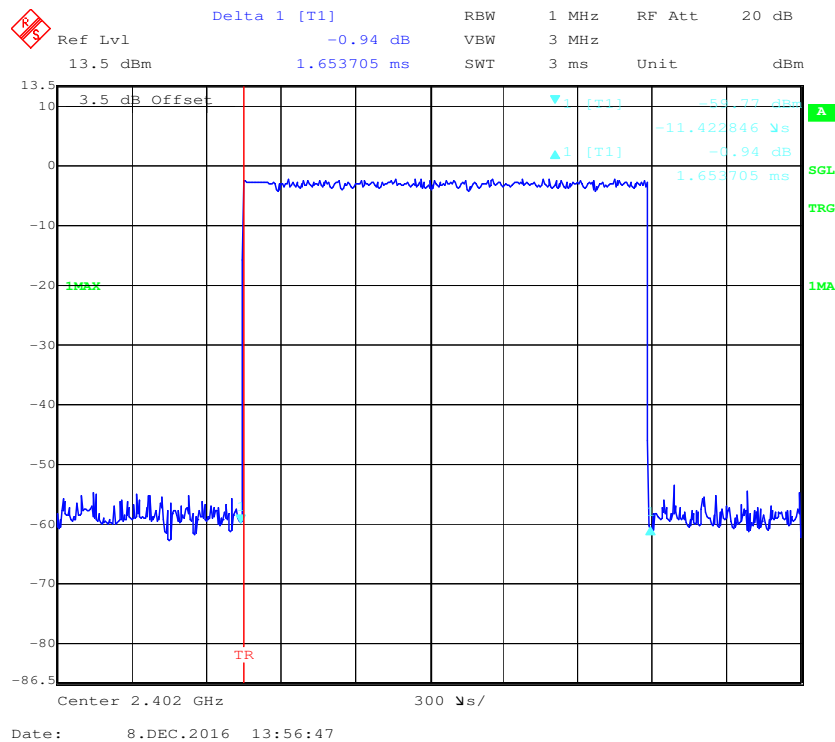
### Pulse time, Middle Channel, 3DH1



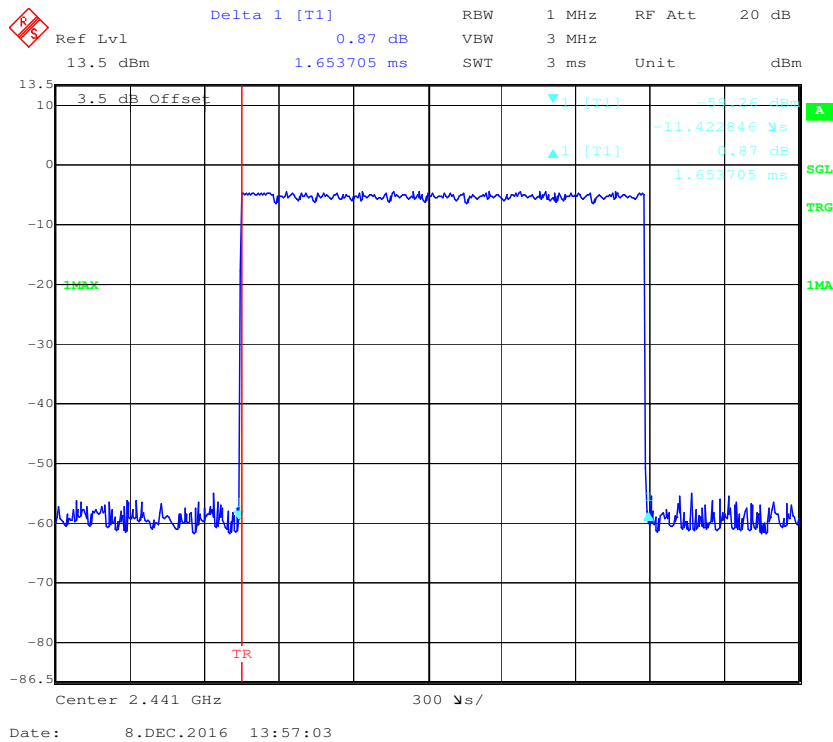
### Pulse time, High Channel, 3DH1



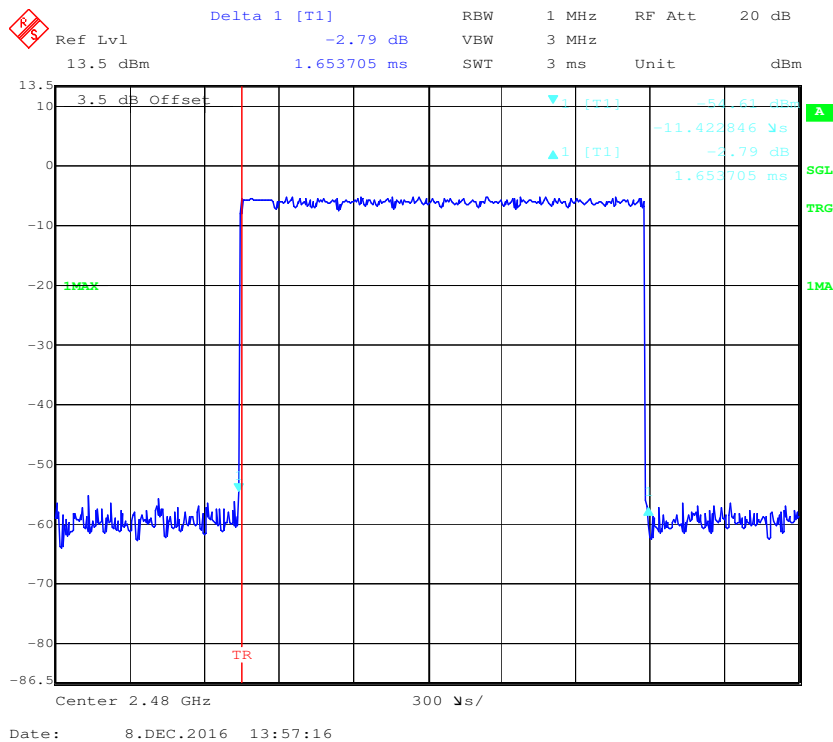
### Pulse time, Low Channel, 3DH3



### Pulse time, Middle Channel, 3DH3



### Pulse time, High Channel, 3DH3



Ref Lvl 13.5 dBm Delta 1 [T1] 6.97 dB RBW 1 MHz RF Att 20 dB

3.5 dB Offset 2.910218 ms VSWR 3 MHz Unit dBm

13.5  
10  
0  
-10  
-20  
-30  
-40  
-50  
-60  
-70  
-80  
-86.5

3.5 dB Offset

2.910218 ms

-29.458918 dBm

6.97 dB

Center 2.402 GHz 500 ns/div

Date: 8.DEC.2016 13:52:54

Ref Lvl 13.43 dB RBW 1 MHz RF Att 20 dB  
 13.5 dBm 2.910218 ms SWT 5 ms Unit dBm

3.5 dB Offset

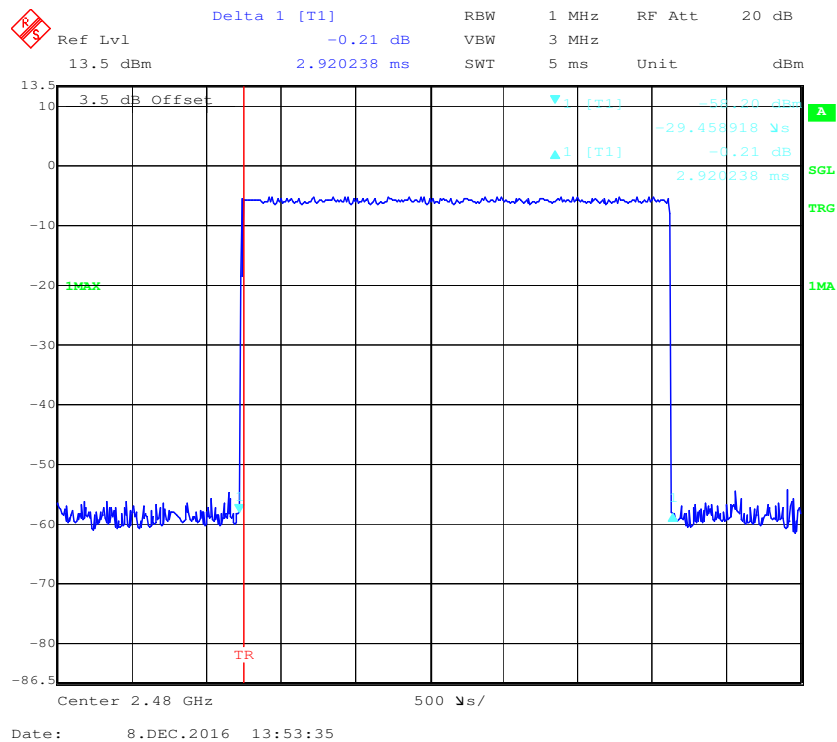
Delta 1 [T1] 13.43 dB

2.910218 ms

Center 2.441 GHz 500  $\mu$ s/s

Date: 8.DEC.2016 13:53:17

### Pulse time, High Channel, 3DH5



## **FCC §15.247(b) (1) - PEAK OUTPUT POWER MEASUREMENT**

### **Applicable Standard**

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

### **Test Procedure**

1. Place the EUT on a bench and set in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.
3. Add a correction factor to the display.

### **Test Data**

#### **Environmental Conditions**

|                           |           |
|---------------------------|-----------|
| <b>Temperature:</b>       | 25 °C     |
| <b>Relative Humidity:</b> | 50 %      |
| <b>ATM Pressure:</b>      | 101.0 kPa |

*The testing was performed by Nefertari Xu on 2016-12-08.*

*EUT operation mode: Transmitting*

*Test Result: Compliance. Please refer to following table.*

| Mode                                  | Channel | Frequency (MHz) | Reading Power (dBm) | Peak Output Power (mW) | Limit (mW) |
|---------------------------------------|---------|-----------------|---------------------|------------------------|------------|
| <b>BDR (GFSK)</b>                     | Low     | 2402            | 0.17                | 1.040                  | 1000       |
|                                       | Middle  | 2412            | 4.76                | 2.992                  | 1000       |
|                                       | Middle  | 2441            | -1.83               | 0.656                  | 1000       |
|                                       | Middle  | 2461            | 4.62                | 2.897                  | 1000       |
|                                       | High    | 2480            | -2.44               | 0.570                  | 1000       |
| <b>EDR (<math>\pi/4</math>-DQPSK)</b> | Low     | 2402            | -0.55               | 0.881                  | 1000       |
|                                       | Middle  | 2413            | 3.40                | 2.188                  | 1000       |
|                                       | Middle  | 2441            | -2.44               | 0.570                  | 1000       |
|                                       | Middle  | 2459            | 3.46                | 2.218                  | 1000       |
|                                       | High    | 2480            | -3.07               | 0.493                  | 1000       |
| <b>EDR (8DPSK)</b>                    | Low     | 2402            | -1.95               | 0.638                  | 1000       |
|                                       | Middle  | 2414            | 3.40                | 2.188                  | 1000       |
|                                       | Middle  | 2441            | -2.44               | 0.570                  | 1000       |
|                                       | Middle  | 2462            | 3.55                | 2.265                  | 1000       |
|                                       | High    | 2480            | -2.82               | 0.522                  | 1000       |

## FCC §15.247(d) - BAND EDGES TESTING

### Applicable Standard

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

### Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Remove the antenna from the EUT and then connect to a low loss RF cable from the antenna port to a EMI test receiver, then turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

### Test Data

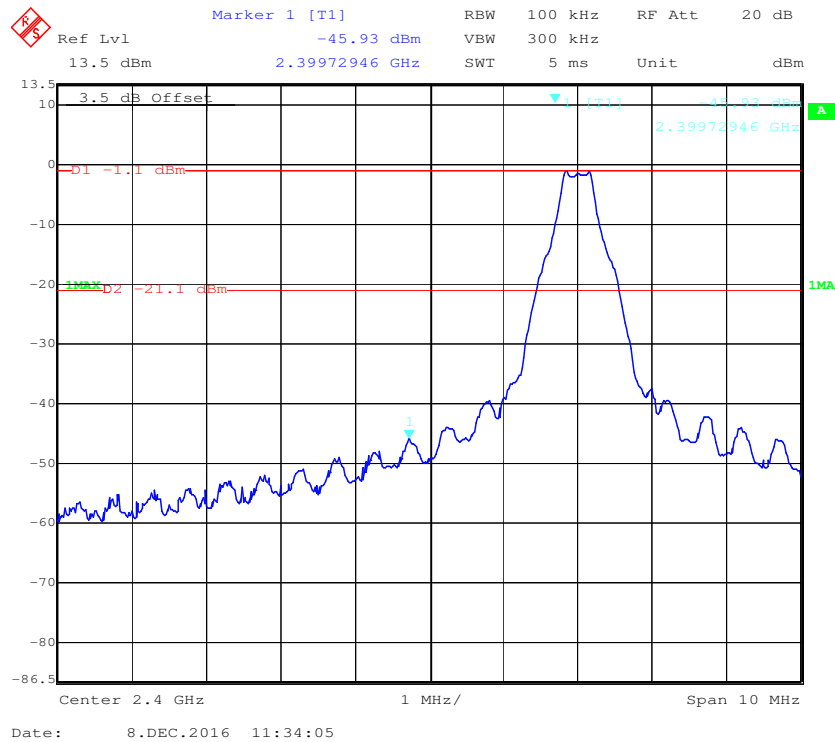
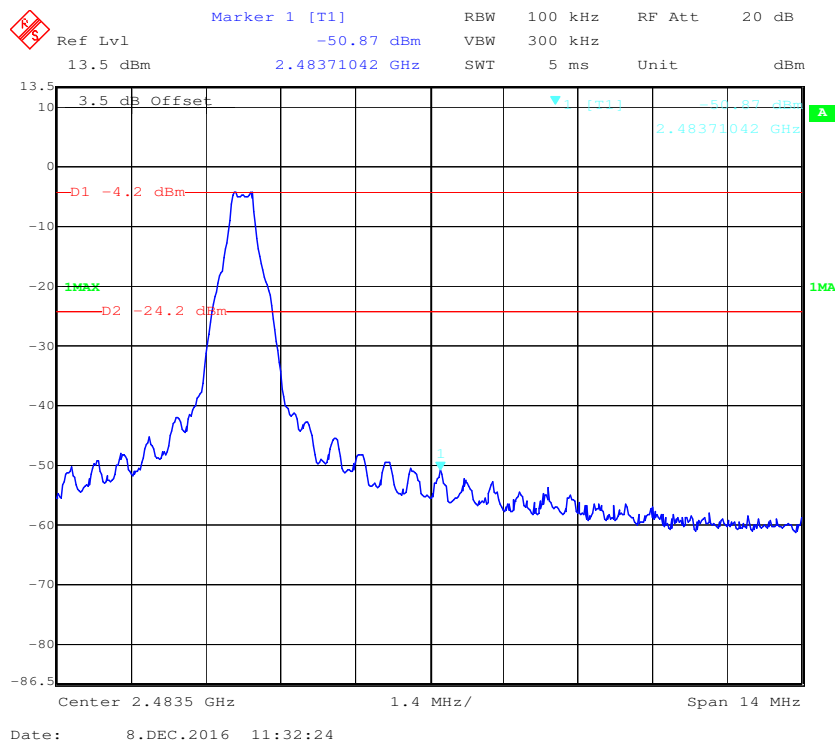
#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 25 °C     |
| Relative Humidity: | 50 %      |
| ATM Pressure:      | 101.0 kPa |

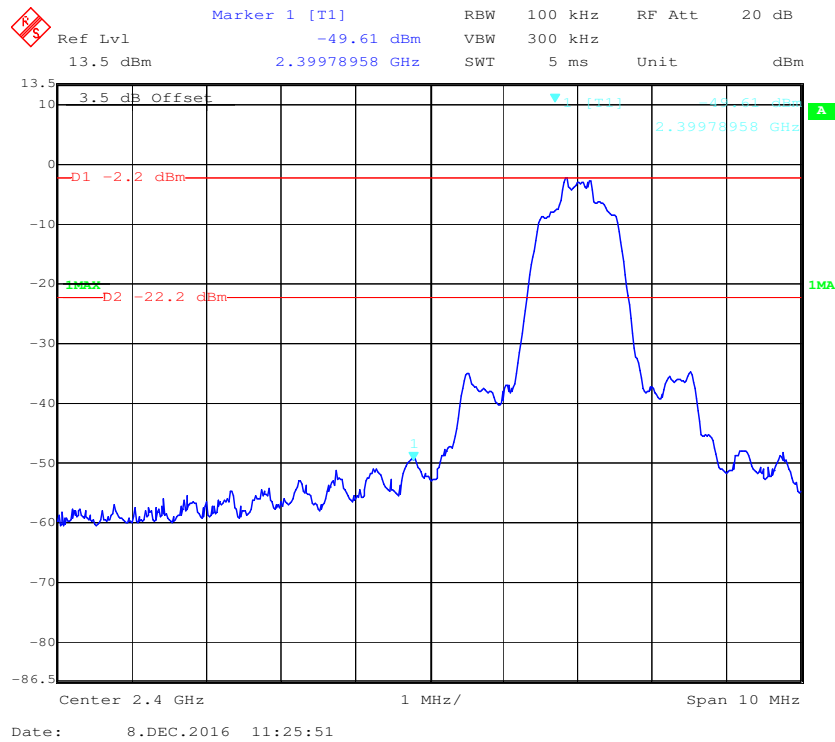
*The testing was performed by Nefertari Xu on 2016-12-08.*

*EUT operation mode: Transmitting*

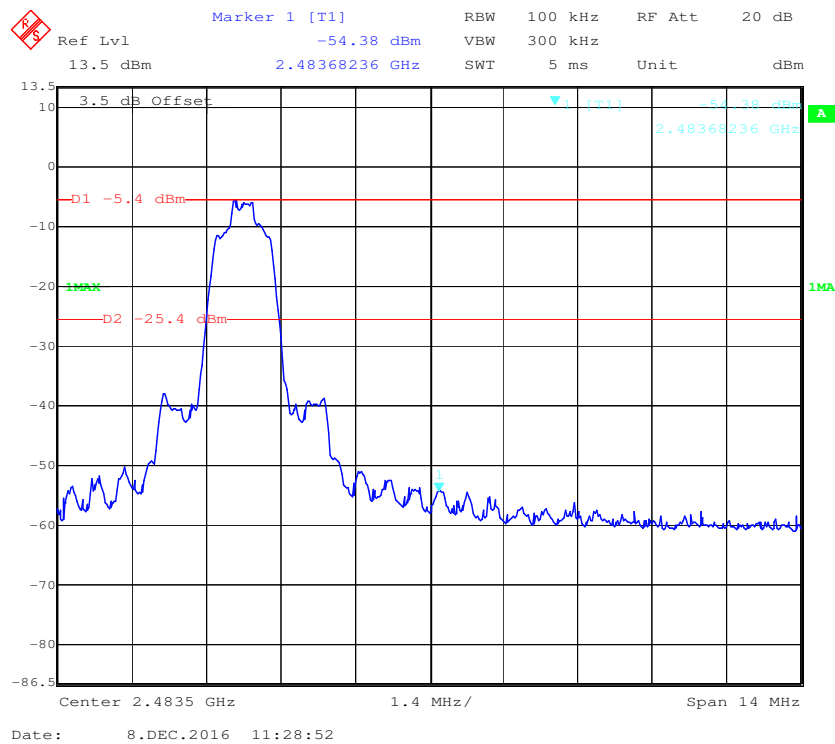
*Test Result: Compliance. Please refer to following plots.*

**BDR (GFSK): Band Edge-Left Side****BDR (GFSK): Band Edge-Right Side**

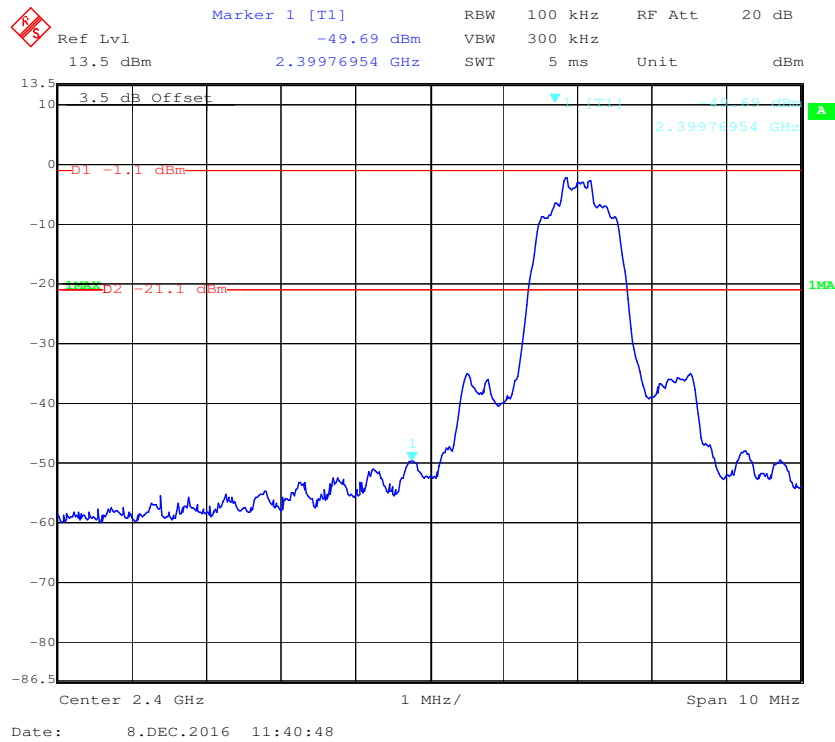
### EDR ( $\pi/4$ -DQPSK): Band Edge-Left Side



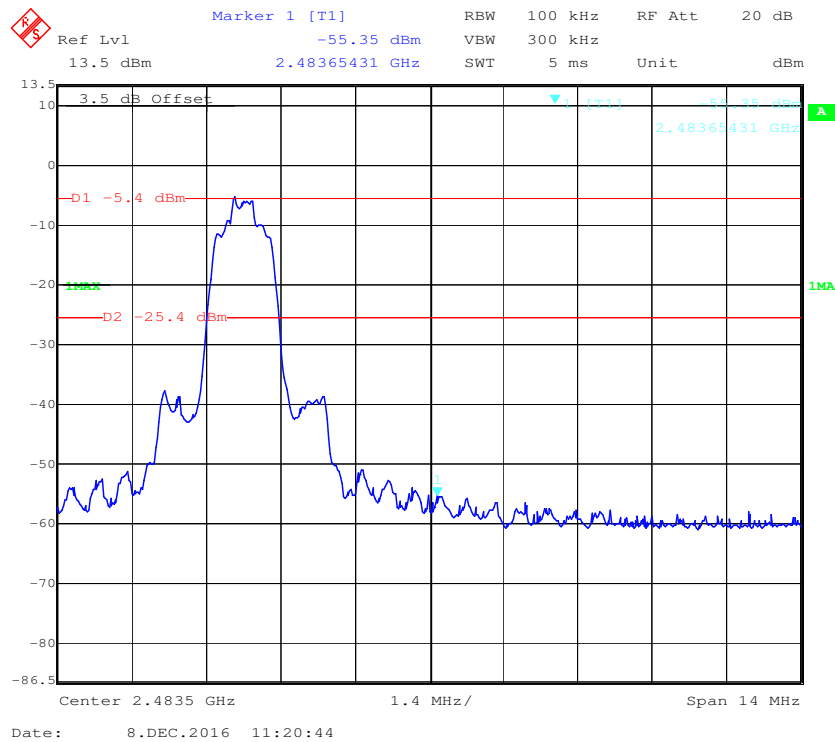
### EDR ( $\pi/4$ -DQPSK): Band Edge-Right Side



### EDR (8DPSK): Band Edge-Left Side



### BDR (8DPSK): Band Edge-Right Side



\*\*\*\*\* END OF REPORT \*\*\*\*\*