

FCC PART 15.247 TEST REPORT

For

Amgoo Telecom Co., Ltd.

3/F, Block R2-A(North), Gaoxin S. Ave. 4th, Hi-Tech Industrial Park, Nanshan District,
Shenzhen, China

FCC ID: UOS-AM245

| | |
|---|--------------------------------------|
| Report Type: Original Report | Product Type: Mobile Phone |
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| Report Number: RSZ160322001-00B | |
| Report Date: 2016-04-05 | |
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Note: This test report is prepared for the customer shown above and for the equipment described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp.

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Amgoo Telecom Co., Ltd.*'s product, model number:AM245 (*FCC ID: UOS-AM245*) or the "EUT" in this report was a *Mobile Phone*, which was measured approximately: 120 mm (L) × 50 mm (W) × 14 mm (H), rated with input voltage: DC 3.7V rechargeable Li-ion battery or DC 5.0V from adapter.

Adapter Information:

Model: AM245

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

Output: DC 5.0V, 500mA.

**All measurement and test data in this report was gathered from production sample serial number: 1601722. (Assigned by Shenzhen BACL). The EUT supplied by the applicant was received on 2016-03-22.*

Objective

This test report is prepared on behalf of *Amgoo Telecom Co., Ltd.* 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 PCE and Part 15B JBP submissions with FCC ID: UOS-AM245.

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. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement uncertainty with radiated emission is 5.81 dB for 30MHz-1GHz, and 4.88 dB for above 1GHz, 1.95dB for conducted measurement.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone Shenzhen, Guangdong, China.

Test site at Bay Area Compliance Laboratories Corp. (Shenzhen) 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 October 31, 2013. 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.: 382179. 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

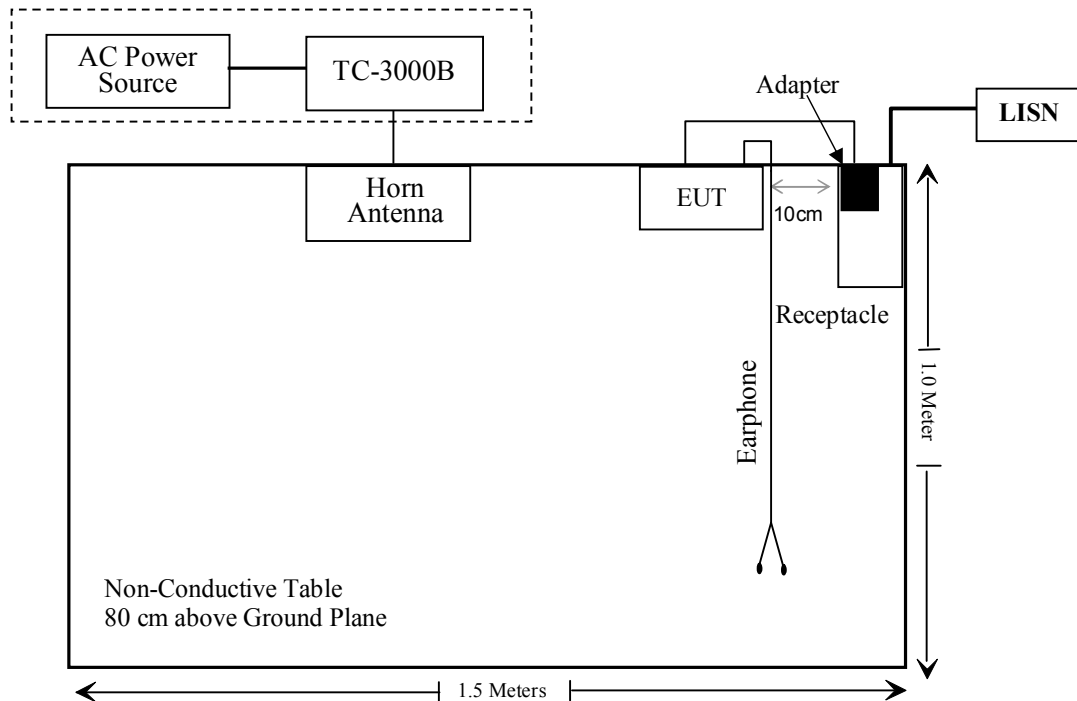
| Manufacturer | Description | Model | Serial Number |
|--------------|------------------|----------|---------------|
| TESCOM | Bluetooth Tester | TC-3000B | 3000B630010 |

External I/O Cable

| Cable Description | Length (m) | From Port | To |
|--|------------|-----------|----------|
| Un-shielding Detachable USB Cable | 1.0 | EUT | Adapter |
| Un-shielding Detachable Earphone Cable | 1.1 | EUT | Earphone |

Block Diagram of Test Setup

For conducted emission



SUMMARY OF TEST RESULTS

| FCC Rules | Description of Test | Result |
|-------------------------------|----------------------------------|------------|
| §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 |

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 ≤ 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 ≤ 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 (MHz) | Maximum conducted Tune-up power | | Calculated Distance (mm) | Calculated value | Threshold (1-g SAR) | SAR Test Exclusion |
|--------------------|------------------------------------|------------|--------------------------------|---------------------|------------------------|-----------------------|
| | Power (dBm) | Power (mW) | | | | |
| 2441 | -0.8 | 0.83 | 5 | 0.3 | 3.0 | Yes |

Result: No SAR test is required

FCC §15.203 – ANTENNA REQUIREMENT

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 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)

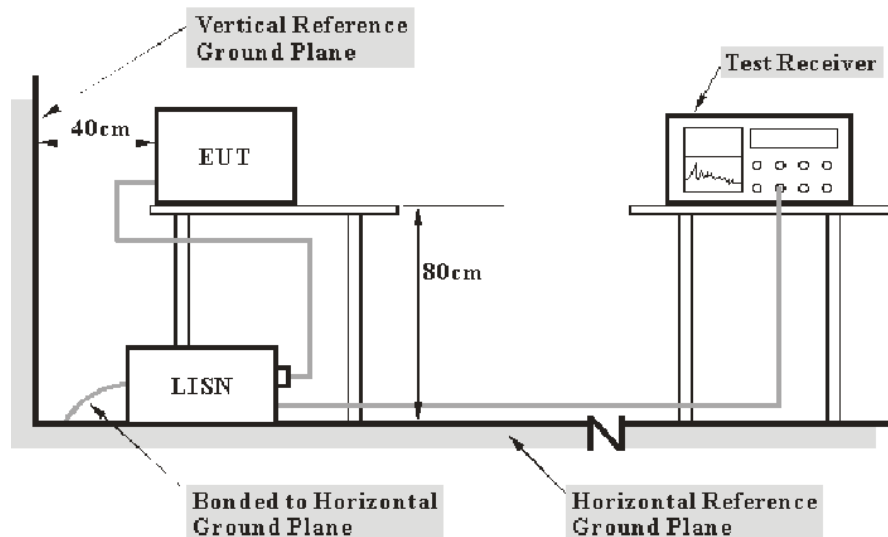
Measurement Uncertainty

Input quantities to be considered for conducted disturbance measurements maybe receiver reading, attenuation of the connection between LISN and receiver, LISN voltage division factor, LISN VDF frequency interpolation and receiver related input quantities, etc.

Based on CISPR 16-4-2:2011, the expended combined standard uncertainty of conducted disturbance test at Bay Area Compliance Laboratories Corp. (Shenzhen) is shown as below. And the uncertainty will not be taken into consideration for the test data recorded in the report.

| Port | Expanded Measurement uncertainty |
|----------|--|
| AC Mains | 3.34 dB (k=2, 95% level of confidence) |
| CAT 3 | 3.72 dB (k=2, 95% level of confidence) |
| CAT 5 | 3.74 dB (k=2, 95% level of confidence) |
| CAT 6 | 4.54 dB (k=2, 95% level of confidence) |

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.

Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------------|--------------------------|--------|------------------------|------------------|----------------------|
| Rohde & Schwarz | EMI Test Receiver | ESCS30 | 100176 | 2015-06-01 | 2016-05-31 |
| Rohde & Schwarz | LISN | ENV216 | 3560.6650.12-101613-Yb | 2015-12-15 | 2016-12-14 |
| Rohde & Schwarz | Transient Limiter | ESH3Z2 | DE25985 | 2015-05-14 | 2016-05-14 |
| Ducommun technologies | Conducted Emission Cable | RG-214 | CB031 | 2015-06-15 | 2016-06-15 |
| Rohde & Schwarz | CE Test software | EMC 32 | V8.53 | NCR | NCR |

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

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, the worst margin reading as below:

13.9dB at 0.206500 MHz in the **Neutral** conducted mode

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

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

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

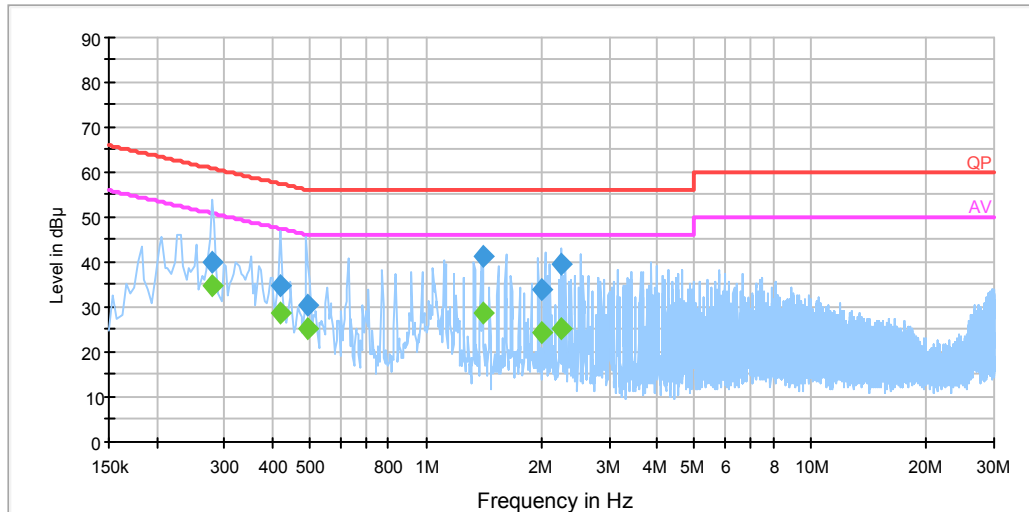
| | |
|---------------------------|-----------|
| Temperature: | 22 °C |
| Relative Humidity: | 50 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Sonia Zhou on 2016-03-31.

EUT operation mode: Communication

AC 120V/60 Hz, Line:

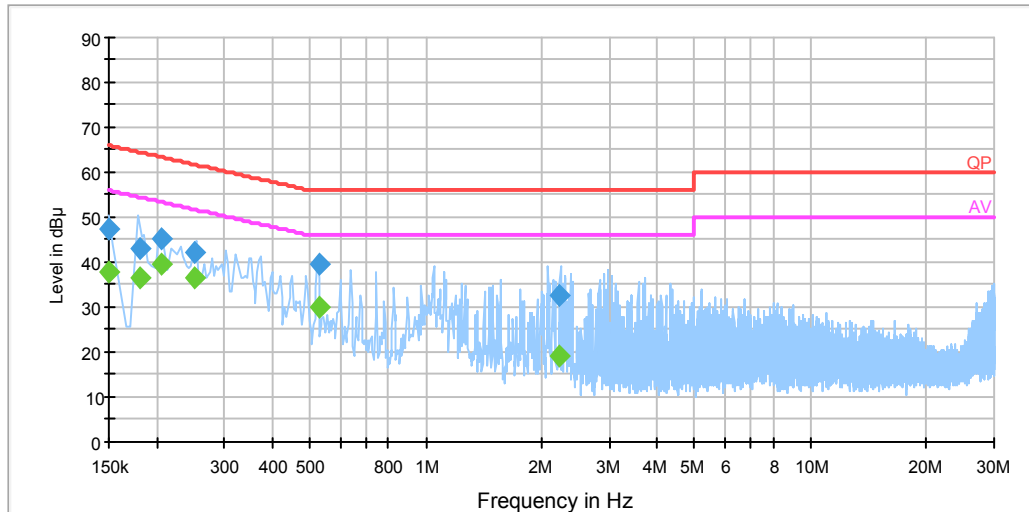
EMI Auto Test L



| Frequency (MHz) | Corrected Amplitude (dBμV) | Correction Factor (dB) | Limit (dBμV) | Margin (dB) | Detector (PK/Ave./QP) |
|-----------------|----------------------------|------------------------|--------------|-------------|-----------------------|
| 0.277500 | 40.1 | 19.9 | 60.9 | 20.8 | QP |
| 0.277500 | 34.7 | 19.9 | 50.9 | 16.2 | Ave. |
| 0.419730 | 34.9 | 19.9 | 57.5 | 22.6 | QP |
| 0.419730 | 28.6 | 19.9 | 47.4 | 18.8 | Ave. |
| 0.490650 | 30.5 | 19.9 | 56.2 | 25.7 | QP |
| 0.490650 | 25.1 | 19.9 | 46.2 | 21.1 | Ave. |
| 1.408970 | 41.3 | 20.0 | 56.0 | 14.7 | QP |
| 1.408970 | 28.6 | 20.0 | 46.0 | 17.4 | Ave. |
| 2.007430 | 34.0 | 20.0 | 56.0 | 22.0 | QP |
| 2.007430 | 24.3 | 20.0 | 46.0 | 21.7 | Ave. |
| 2.240310 | 39.7 | 20.0 | 56.0 | 16.3 | QP |
| 2.240310 | 25.4 | 20.0 | 46.0 | 20.6 | Ave. |

AC 120V/60 Hz, Neutral:

EMI Auto Test N



| Frequency (MHz) | Corrected Amplitude (dBμV) | Correction Factor (dB) | Limit (dBμV) | Margin (dB) | Detector (PK/Ave./QP) |
|-----------------|----------------------------|------------------------|--------------|-------------|-----------------------|
| 0.150000 | 47.6 | 20.0 | 66.0 | 18.4 | QP |
| 0.150000 | 37.8 | 20.0 | 56.0 | 18.2 | Ave. |
| 0.181500 | 43.1 | 20.0 | 64.4 | 21.3 | QP |
| 0.181500 | 36.4 | 20.0 | 54.4 | 18.0 | Ave. |
| 0.206500 | 45.1 | 20.0 | 63.4 | 18.3 | QP |
| 0.206500 | 39.5 | 20.0 | 53.4 | 13.9 | Ave. |
| 0.249500 | 42.2 | 20.0 | 61.8 | 19.6 | QP |
| 0.249500 | 36.5 | 20.0 | 51.8 | 15.3 | Ave. |
| 0.526170 | 39.6 | 19.9 | 56.0 | 16.4 | QP |
| 0.526170 | 30.2 | 19.9 | 46.0 | 15.8 | Ave. |
| 2.228430 | 32.5 | 20.0 | 56.0 | 23.5 | QP |
| 2.228430 | 19.3 | 20.0 | 46.0 | 26.7 | Ave. |

Note:

- 1) Correction Factor = LISN VDF (Voltage Division Factor) + Cable Loss + Transient Limiter Attenuation
- 2) Corrected Amplitude = Reading + Correction Factor
- 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)

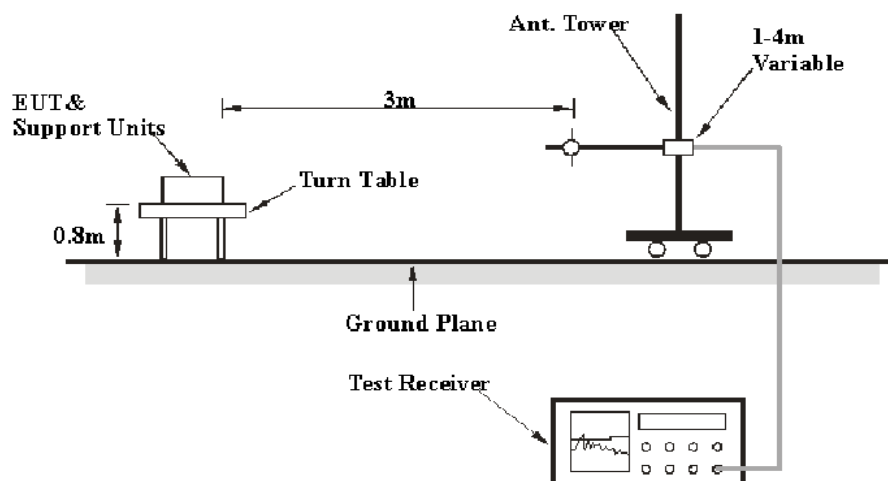
Measurement Uncertainty

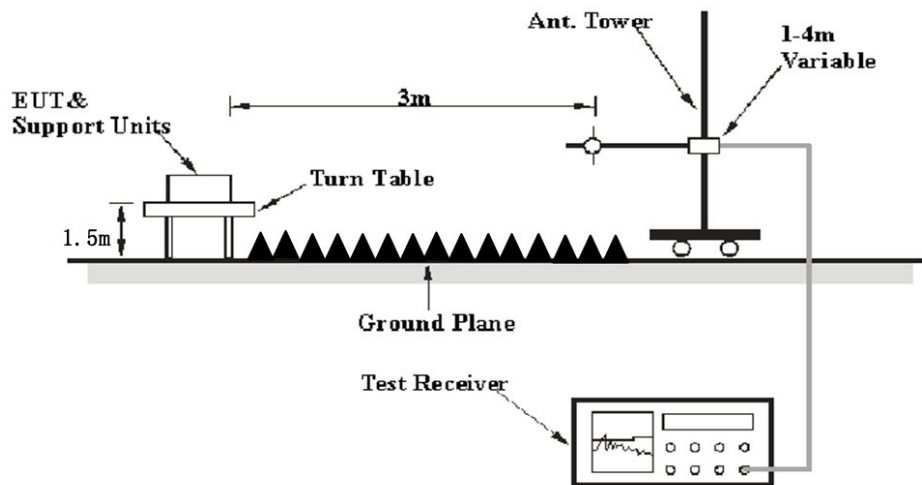
All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on CISPR 16-4-2:2011, the expanded combined standard uncertainty of radiation emissions at Bay Area Compliance Laboratories Corp. (Shenzhen) is 5.81 dB for 30MHz-1GHz, and 4.88 dB for above 1GHz. And this uncertainty will not be taken into consideration for the test data recorded in the report.

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 Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---------------------------|--------------------|-----------------------|------------------------|------------------|----------------------|
| HP | Amplifier | HP8447E | 1937A01046 | 2015-05-06 | 2016-05-06 |
| Rohde & Schwarz | EMI Test Receiver | ESCI | 101120 | 2015-12-15 | 2016-12-14 |
| Sunol Sciences | Bi-log Antenna | JB1 | A040904-2 | 2014-12-07 | 2017-12-06 |
| Mini | Amplifier | ZVA-183-S+ | 5969001149 | 2015-04-23 | 2016-04-23 |
| A.H. System | Horn Antenna | SAS-200/571 | 135 | 2015-08-18 | 2018-08-17 |
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028 | 2015-12-11 | 2016-12-11 |
| the electro-Mechanics Co. | Horn Antenna | 3116 | 9510-2270 | 2013-10-14 | 2016-10-13 |
| TDK | Chamber | Chamber A | 2# | 2013-10-15 | 2016-10-15 |
| TDK | Chamber | Chamber B | 1# | 2015-07-23 | 2016-07-22 |
| DUCOMMUN | Pre-amplifier | ALN-22093530-01 | 991373-01 | 2015-08-03 | 2016-08-03 |
| R&S | Auto test Software | EMC32 | V9.10 | NCR | NCR |
| Ducommun technologies | RF Cable | UFA210A-1-4724-30050U | MFR64369 223410-001 | 2015-06-15 | 2016-06-15 |
| Ducommun technologies | RF Cable | 104PEA | 218124002 | 2015-06-15 | 2016-06-15 |
| Ducommun technologies | RF Cable | RG-214 | 1 | 2015-06-15 | 2016-06-15 |
| Ducommun technologies | RF Cable | RG-214 | 2 | 2015-06-15 | 2016-06-15 |

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

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.

10.29 dB at 192.01 MHz in the Horizontal polarization for Middle Channel

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

| | |
|--------------------|-----------|
| Temperature: | 22 °C |
| Relative Humidity: | 51 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Sonia Zhou on 2016-03-24.

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 (MHz) | Receiver | | Turntable Degree | Rx Antenna | | Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.247/205/209 | |
|------------------------|-------------------|--------------------------|---------------------|---------------|----------------|-----------------------------|------------------------------------|----------------------------|----------------|
| | Reading (dBμV) | Detector (PK/QP/Ave.) | | Height (m) | Polar (H/V) | | | Limit (dBμV/m) | Margin (dB) |
| Low Channel (2402 MHz) | | | | | | | | | |
| 192.01 | 41.86 | QP | 108 | 2.4 | H | -8.90 | 32.96 | 43.5 | 10.54 |
| 2402.00 | 91.96 | PK | 116 | 2.1 | H | -6.46 | 85.50 | / | / |
| 2402.00 | 80.61 | Ave. | 116 | 2.1 | H | -6.46 | 74.15 | / | / |
| 2402.00 | 94.72 | PK | 176 | 2.3 | V | -6.46 | 88.26 | / | / |
| 2402.00 | 83.46 | Ave. | 176 | 2.3 | V | -6.46 | 77.00 | / | / |
| 2349.59 | 42.79 | PK | 175 | 2.3 | V | -6.65 | 36.14 | 74 | 37.86 |
| 2349.59 | 30.39 | Ave. | 175 | 2.3 | V | -6.65 | 23.74 | 54 | 30.26 |
| 2358.73 | 42.91 | PK | 301 | 1.9 | V | -6.46 | 36.45 | 74 | 37.55 |
| 2358.73 | 30.73 | Ave. | 301 | 1.9 | V | -6.46 | 24.27 | 54 | 29.73 |
| 2499.76 | 41.63 | PK | 209 | 1.2 | V | -4.74 | 36.89 | 74 | 37.11 |
| 2499.76 | 30.13 | Ave. | 209 | 1.2 | V | -4.74 | 25.39 | 54 | 28.61 |
| 4804.00 | 43.01 | PK | 330 | 2.0 | V | 3.79 | 46.80 | 74 | 27.20 |
| 4804.00 | 30.39 | Ave. | 330 | 2.0 | V | 3.79 | 34.18 | 54 | 19.82 |

| Frequency (MHz) | Receiver | | Turntable Degree | Rx Antenna | | Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.247/205/209 | |
|---------------------------|-------------------|--------------------------|---------------------|---------------|----------------|-----------------------------|------------------------------------|----------------------------|----------------|
| | Reading (dBμV) | Detector (PK/QP/Ave.) | | Height (m) | Polar (H/V) | | | Limit (dBμV/m) | Margin (dB) |
| Middle Channel (2441 MHz) | | | | | | | | | |
| 192.01 | 42.11 | QP | 251 | 1.1 | H | -8.90 | 33.21 | 43.5 | 10.29 |
| 2441.00 | 90.44 | PK | 277 | 2.3 | H | -6.46 | 83.98 | / | / |
| 2441.00 | 79.45 | Ave. | 277 | 2.3 | H | -6.46 | 72.99 | / | / |
| 2441.00 | 93.58 | PK | 245 | 2.4 | V | -6.46 | 87.12 | / | / |
| 2441.00 | 82.75 | Ave. | 245 | 2.4 | V | -6.46 | 76.29 | / | / |
| 2371.24 | 42.68 | PK | 290 | 2.2 | V | -6.46 | 36.22 | 74 | 37.78 |
| 2371.24 | 30.27 | Ave. | 290 | 2.2 | V | -6.46 | 23.81 | 54 | 30.19 |
| 2372.36 | 42.71 | PK | 240 | 2.5 | V | -6.46 | 36.25 | 74 | 37.75 |
| 2372.36 | 30.39 | Ave. | 240 | 2.5 | V | -6.46 | 23.93 | 54 | 30.07 |
| 2497.02 | 41.34 | PK | 72 | 1.7 | V | -4.74 | 36.60 | 74 | 37.40 |
| 2497.02 | 30.01 | Ave. | 72 | 1.7 | V | -4.74 | 25.27 | 54 | 28.73 |
| 4882.00 | 46.88 | PK | 105 | 1.5 | V | 3.56 | 50.44 | 74 | 23.56 |
| 4882.00 | 33.91 | Ave. | 105 | 1.5 | V | 3.56 | 37.47 | 54 | 16.53 |
| High Channel (2480 MHz) | | | | | | | | | |
| 192.01 | 41.11 | QP | 30 | 1.3 | H | -8.90 | 32.21 | 43.5 | 11.29 |
| 2480.00 | 85.16 | PK | 87 | 1.6 | H | -4.74 | 80.42 | / | / |
| 2480.00 | 73.91 | Ave. | 87 | 1.6 | H | -4.74 | 69.17 | / | / |
| 2480.00 | 89.61 | PK | 95 | 2.2 | V | -4.74 | 84.87 | / | / |
| 2480.00 | 78.87 | Ave. | 95 | 2.2 | V | -4.74 | 74.13 | / | / |
| 2371.24 | 42.09 | PK | 164 | 1.3 | V | -6.46 | 35.63 | 74 | 38.37 |
| 2371.24 | 30.39 | Ave. | 164 | 1.3 | V | -6.46 | 23.93 | 54 | 30.07 |
| 2483.50 | 60.17 | PK | 188 | 1.5 | V | -4.74 | 55.43 | 74 | 18.57 |
| 2483.50 | 36.71 | Ave. | 188 | 1.5 | V | -4.74 | 31.97 | 54 | 22.03 |
| 2483.59 | 59.78 | PK | 68 | 1.9 | V | -4.74 | 55.04 | 74 | 18.96 |
| 2483.59 | 36.08 | Ave. | 68 | 1.9 | V | -4.74 | 31.34 | 54 | 22.66 |
| 4960.00 | 42.51 | PK | 211 | 1.9 | V | 3.19 | 45.70 | 74 | 28.30 |
| 4960.00 | 30.28 | Ave. | 211 | 1.9 | V | 3.19 | 33.47 | 54 | 20.53 |

Note:

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

Corrected Amplitude = Corrected Factor + Reading

Margin = Limit - Corrected. Amplitude

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 Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------------|-----------------|--------|---------------|------------------|----------------------|
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028 | 2015-12-11 | 2016-12-11 |
| Ducommun technologies | RF Cable | RG-214 | 3 | 2015-06-15 | 2016-06-15 |
| WEINSCHL | 3dB Attenuator | 5321 | AU0709 | 2015-06-18 | 2016-06-18 |

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

Test Data**Environmental Conditions**

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

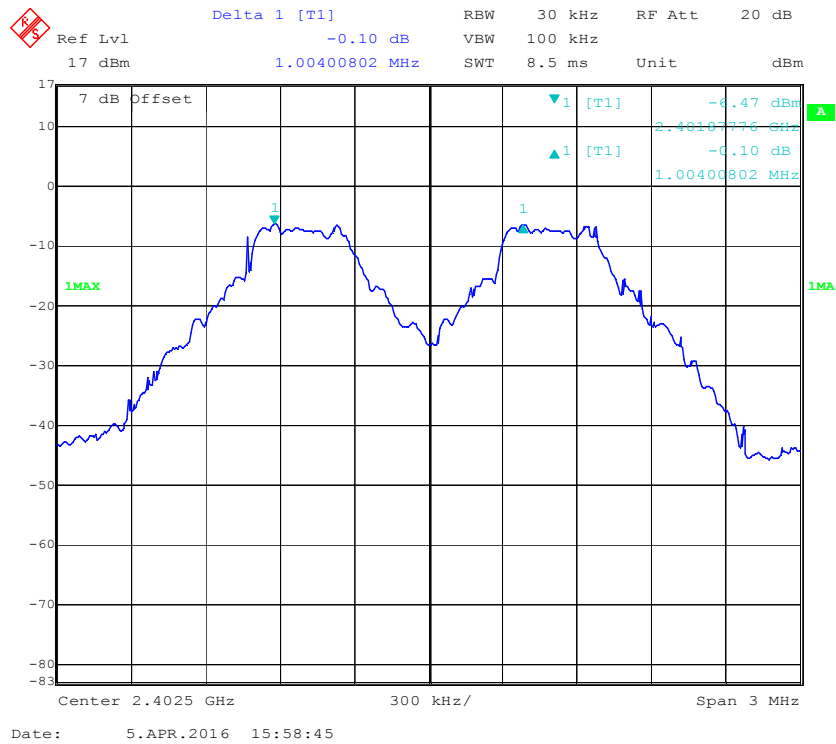
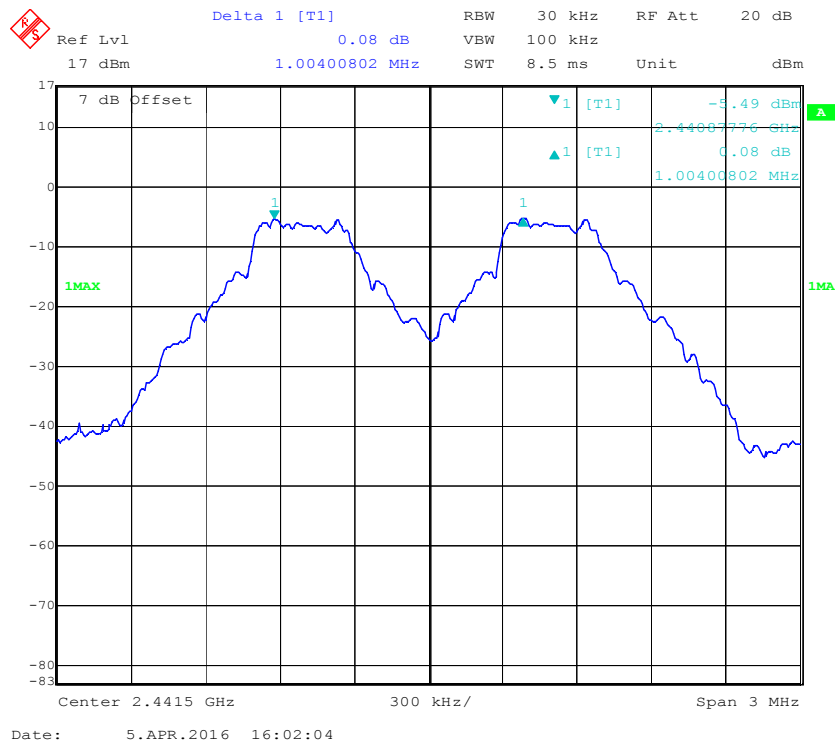
The testing was performed by Sonia Zhou on 2016-04-05.

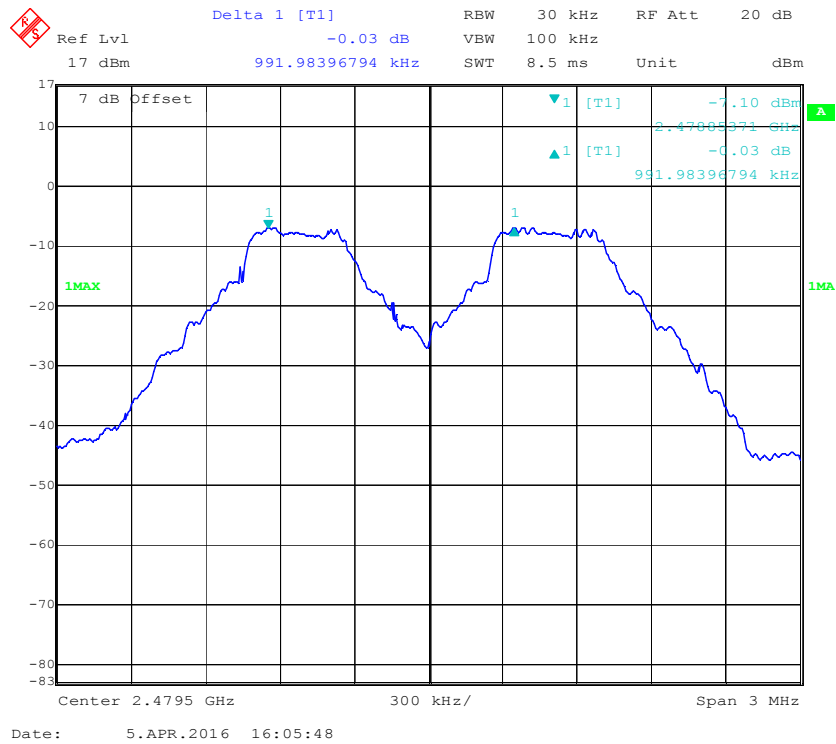
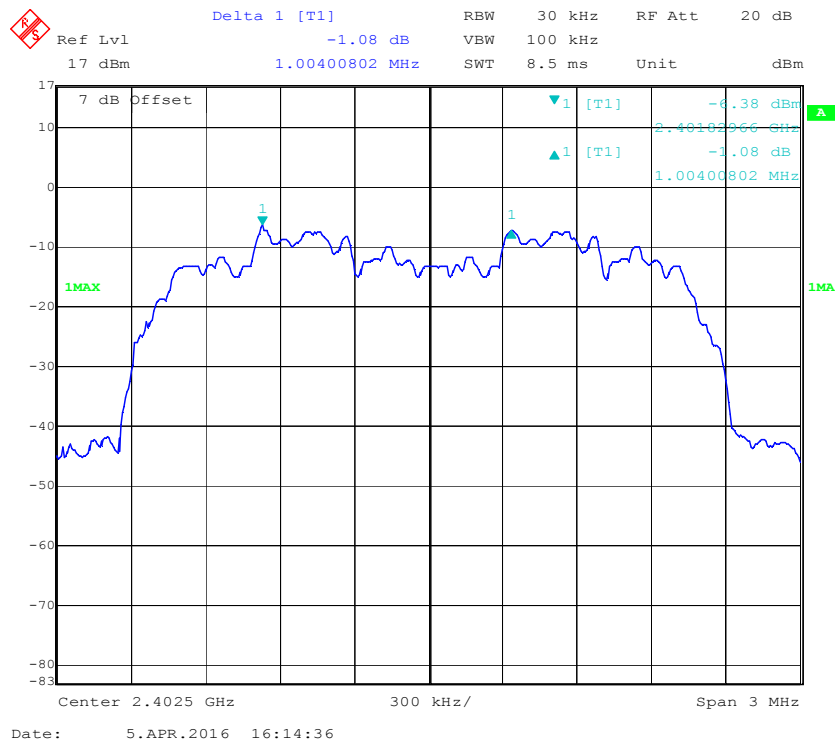
EUT operation mode: Transmitting

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

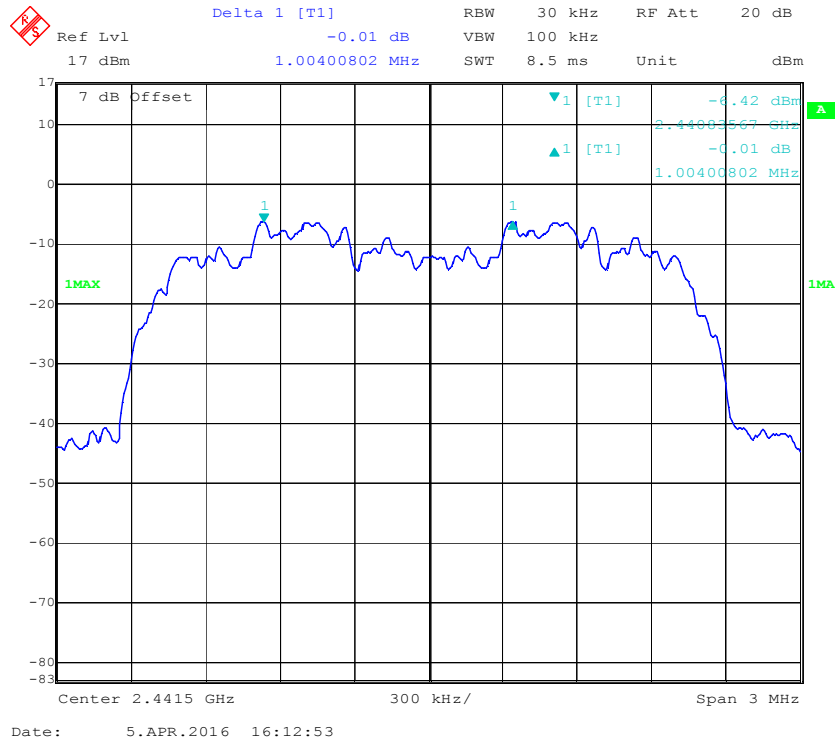
| Mode | Channel | Frequency (MHz) | Channel Separation (MHz) | \geq Limit (MHz) | Result |
|---------------------------------------|----------|-----------------|--------------------------|--------------------|--------|
| BDR (GFSK) | Low | 2402 | 1.004 | 0.637 | Pass |
| | Adjacent | 2403 | | | |
| | Middle | 2441 | 1.004 | 0.637 | Pass |
| | Adjacent | 2442 | | | |
| | High | 2480 | 0.992 | 0.622 | Pass |
| | Adjacent | 2479 | | | |
| EDR ($\pi/4$-DQPSK) | Low | 2402 | 1.004 | 0.859 | Pass |
| | Adjacent | 2403 | | | |
| | Middle | 2441 | 1.004 | 0.859 | Pass |
| | Adjacent | 2442 | | | |
| | High | 2480 | 1.004 | 0.859 | Pass |
| | Adjacent | 2479 | | | |
| EDR (8DPSK) | Low | 2402 | 0.992 | 0.842 | Pass |
| | Adjacent | 2403 | | | |
| | Middle | 2441 | 1.004 | 0.842 | Pass |
| | Adjacent | 2442 | | | |
| | High | 2480 | 1.004 | 0.942 | Pass |
| | Adjacent | 2479 | | | |

Note: Limit = 20 dB bandwidth *2/3

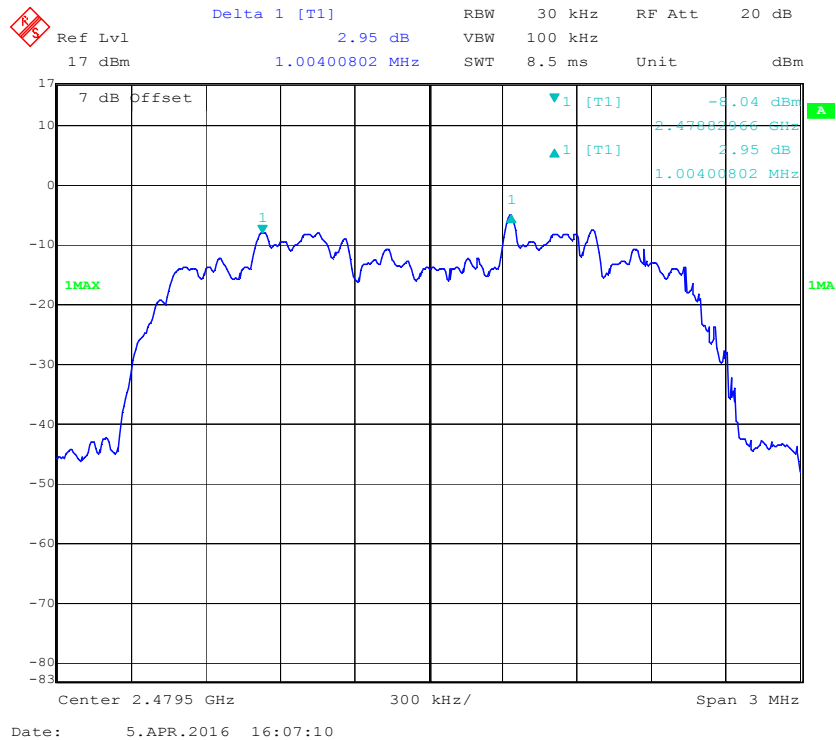
BDR (GFSK): Low Channel**BDR (GFSK): Middle Channel**

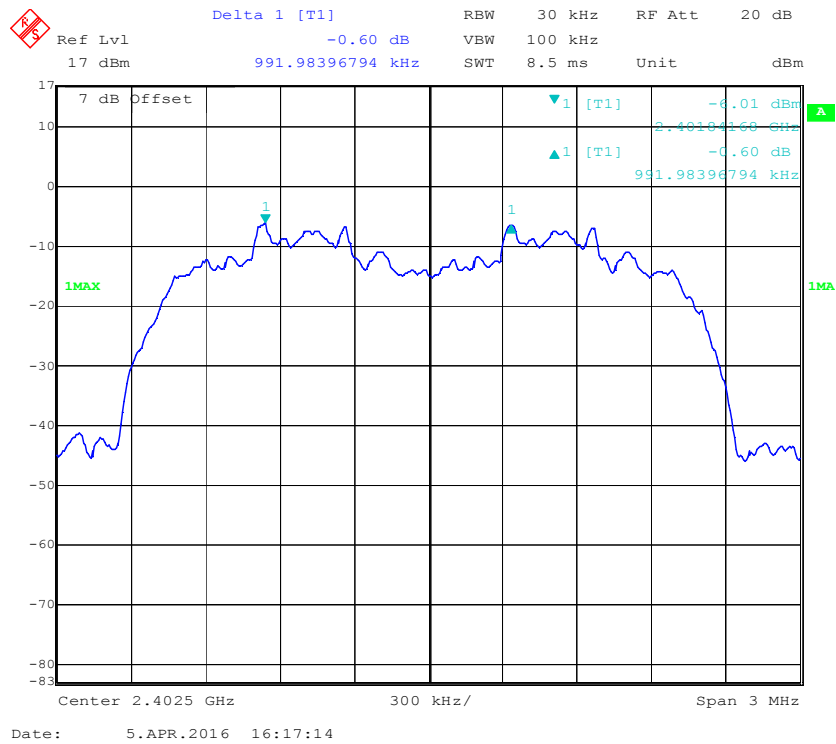
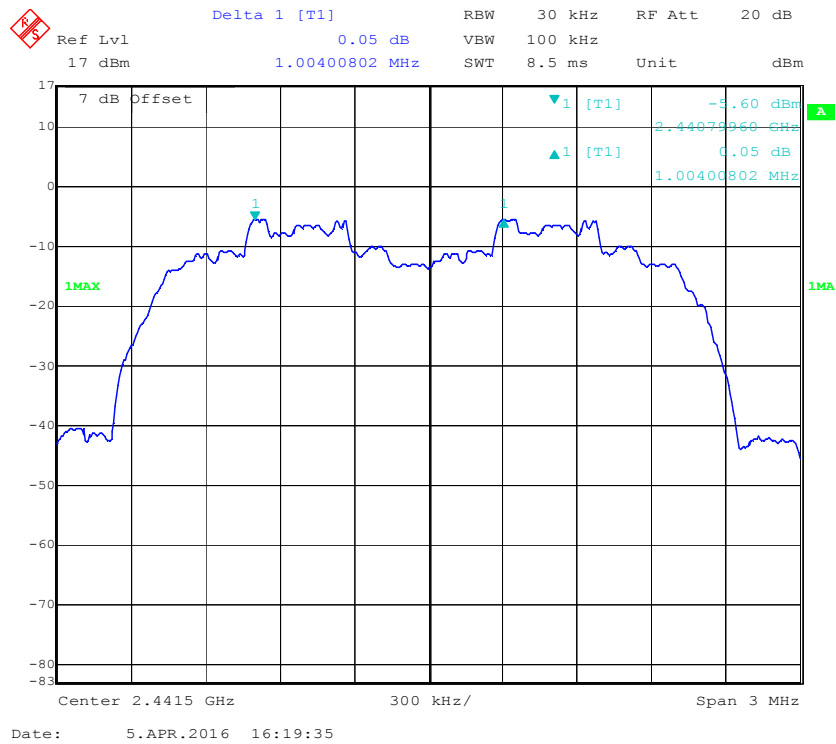
BDR (GFSK): High Channel**EDR ($\pi/4$ -DQPSK): Low Channel**

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

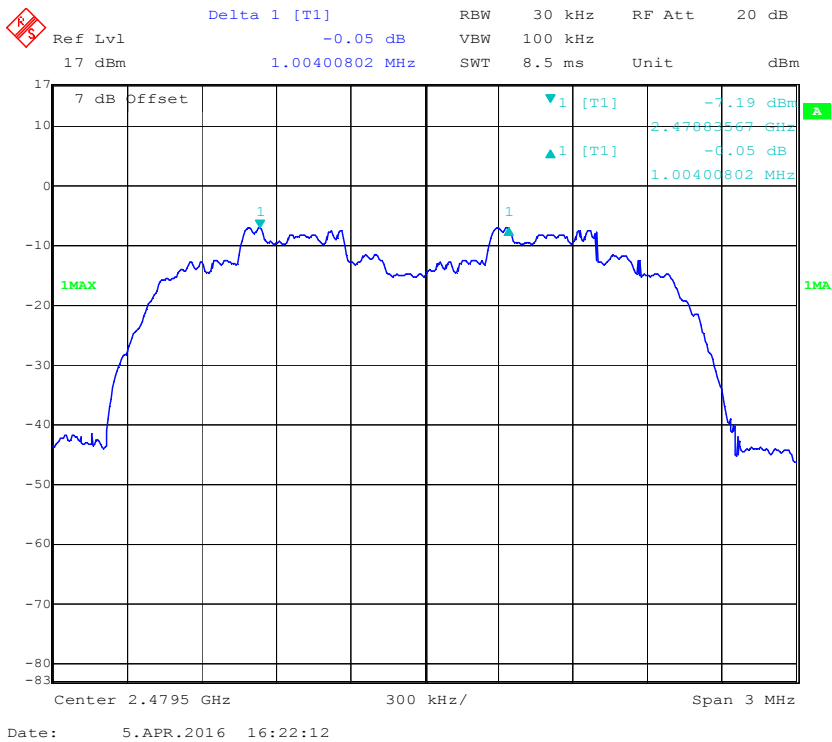


EDR ($\pi/4$ -DQPSK): High Channel



EDR (8DPSK): Low Channel**EDR (8DPSK): Middle Channel**

EDR (8DPSK): High Channel



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 Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------------|-----------------|--------|---------------|------------------|----------------------|
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028 | 2015-12-11 | 2016-12-11 |
| Ducommun technologies | RF Cable | RG-214 | 3 | 2015-06-15 | 2016-06-15 |
| WEINSCHL | 3dB Attenuator | 5321 | AU0709 | 2015-06-18 | 2016-06-18 |

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

Test Data

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 24 °C |
| Relative Humidity: | 54 % |
| ATM Pressure: | 100.0 kPa |

The testing was performed by Sonia Zhou on 2016-03-28.

EUT operation mode: Transmitting

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

| Mode | Channel | Frequency (MHz) | 20 dB Emission Bandwidth (MHz) |
|-----------------------|---------|-----------------|--------------------------------|
| BDR (GFSK) | Low | 2402 | 0.990 |
| | Middle | 2441 | 0.986 |
| | High | 2480 | 0.978 |
| EDR ($\pi/4$ -DQPSK) | Low | 2402 | 1.365 |
| | Middle | 2441 | 1.365 |
| | High | 2480 | 1.341 |
| EDR (8DPSK) | Low | 2402 | 1.347 |
| | Middle | 2441 | 1.317 |
| | High | 2480 | 1.353 |

Delta 1 [T1] RBW 30 kHz RF Att 20 dB
 Ref Lvl 0.28 dB VBW 100 kHz
 17 dBm 989.97995992 kHz SWT 6 ms Unit dBm

7 dB Offset

17
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-83

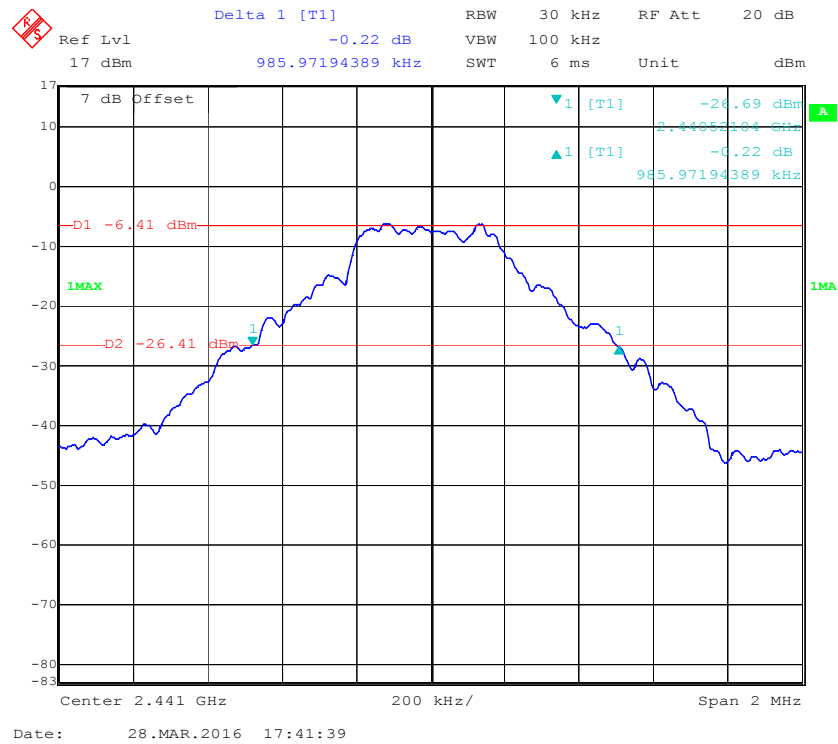
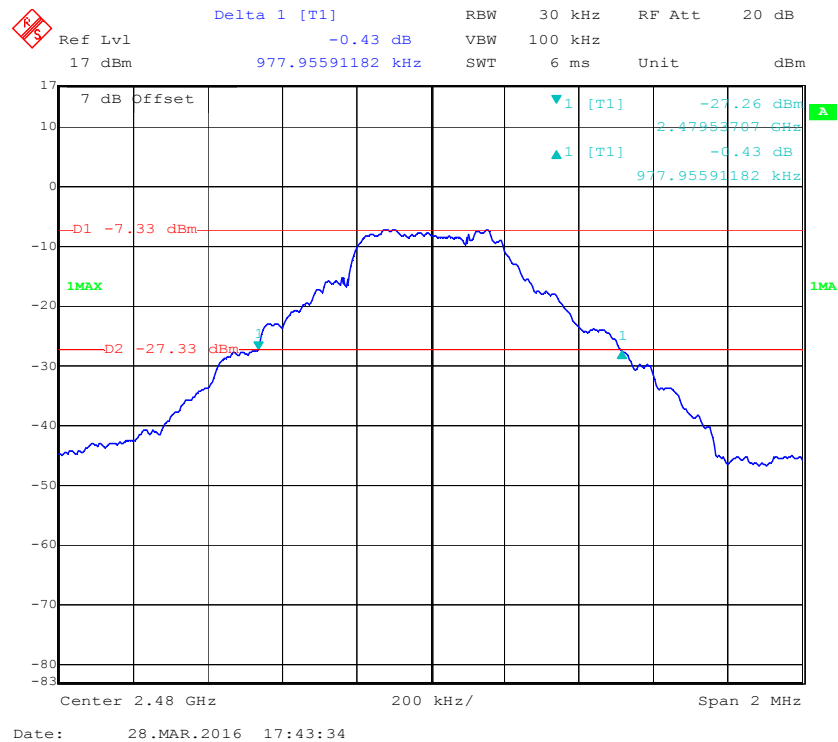
1 [T1] -25.84 dBm
 2.40145209 GHz
 0.28 dB
 989.97995992 kHz

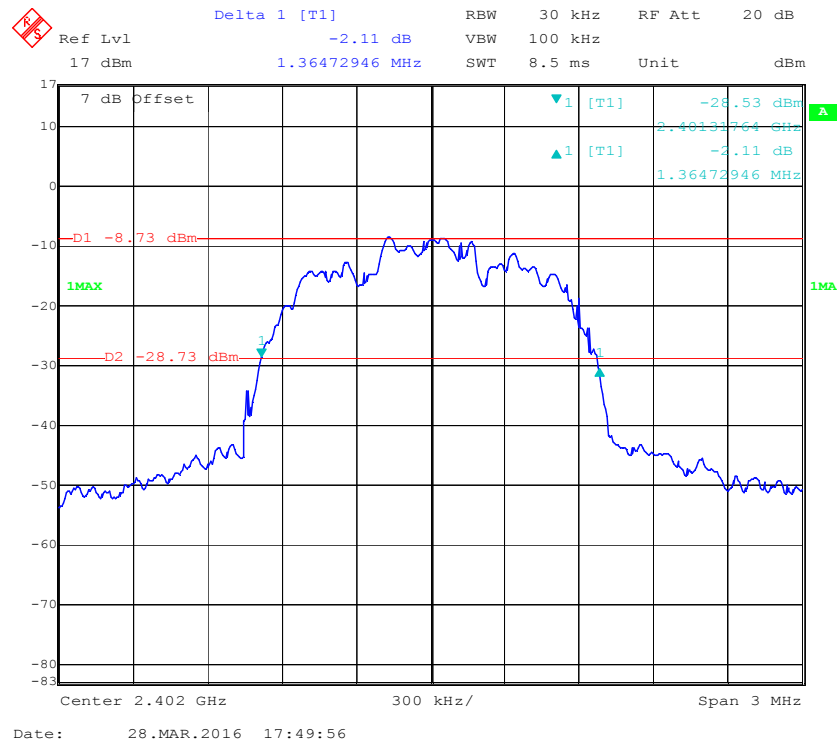
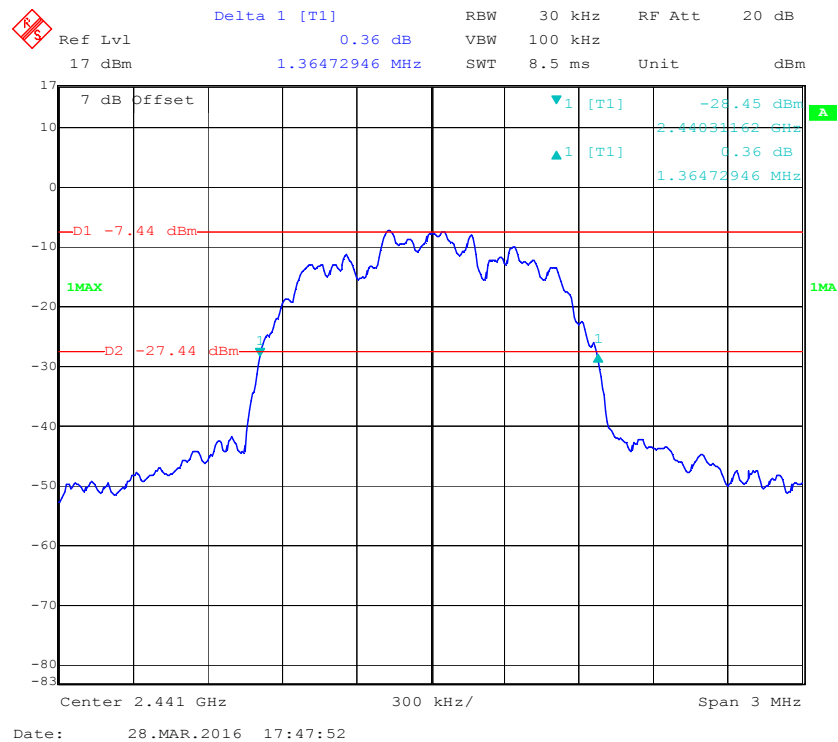
D1 -5.28 dBm
 1MAX

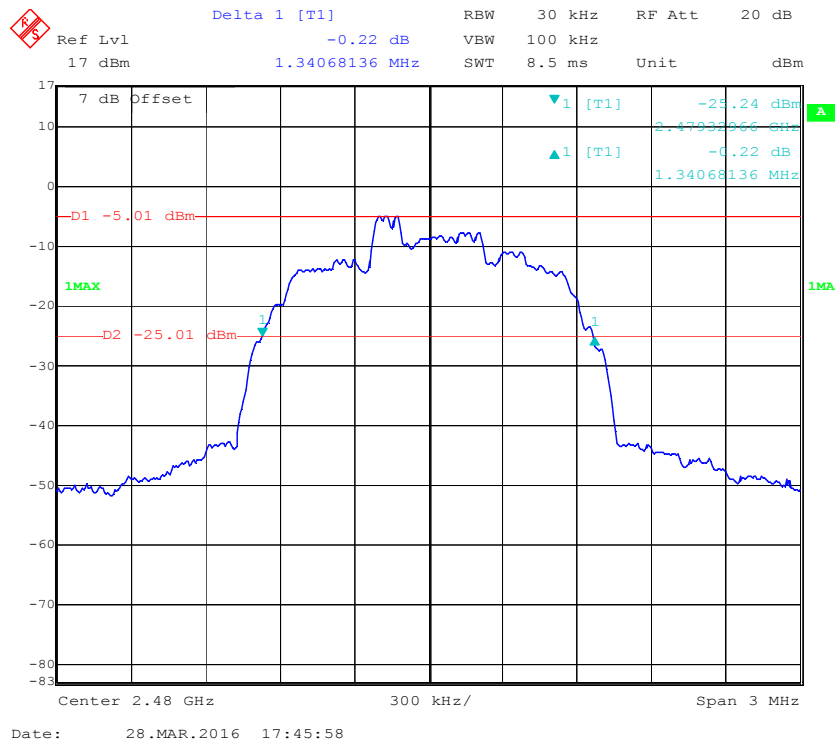
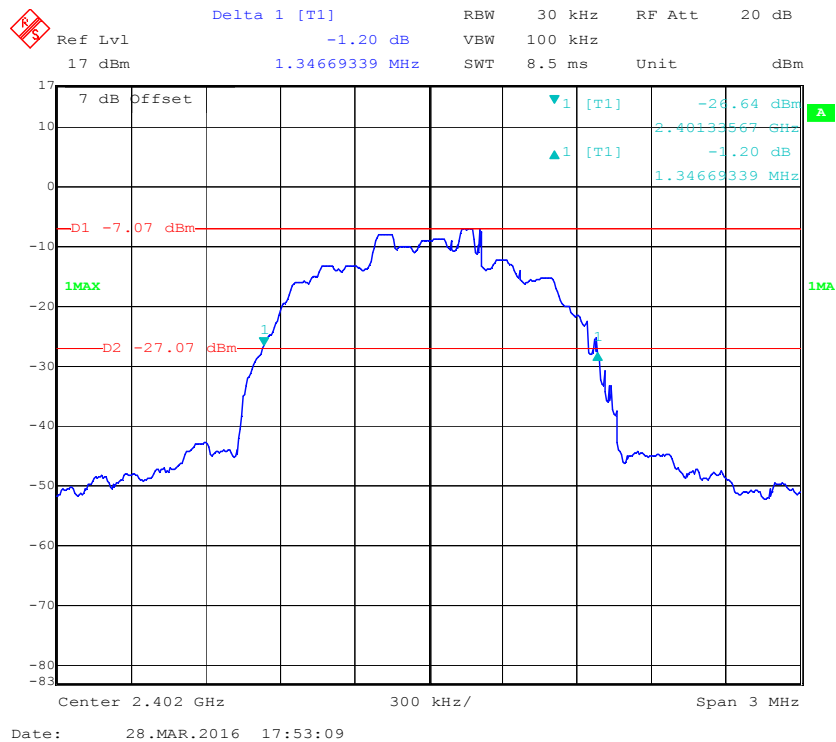
D2 -25.28 dBm
 1

Center 2.402 GHz 200 kHz/ Span 2 MHz

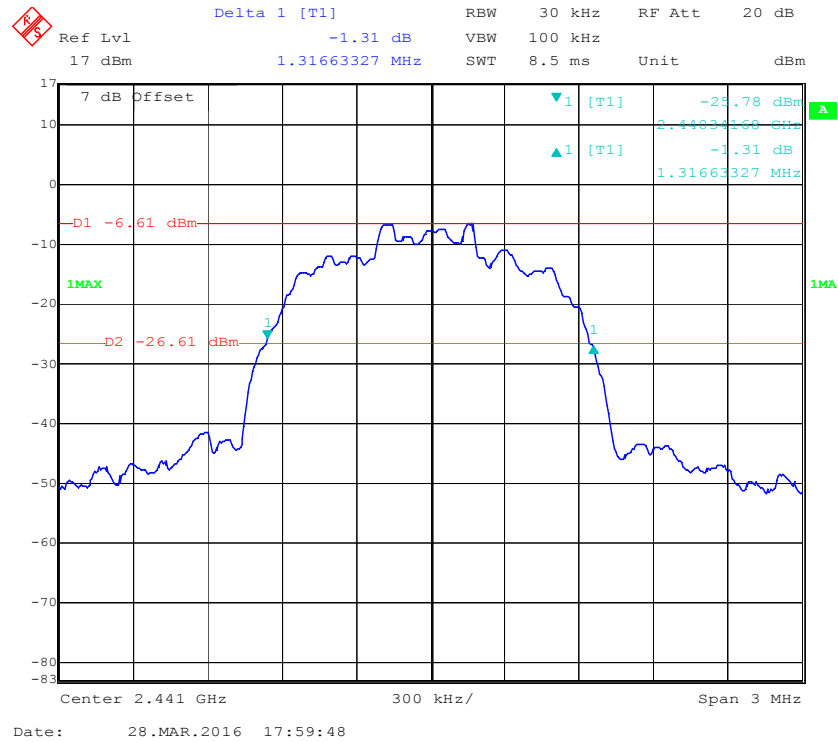
Date: 28.MAR.2016 17:38:10

BDR (GFSK): Middle Channel**BDR (GFSK): High Channel**

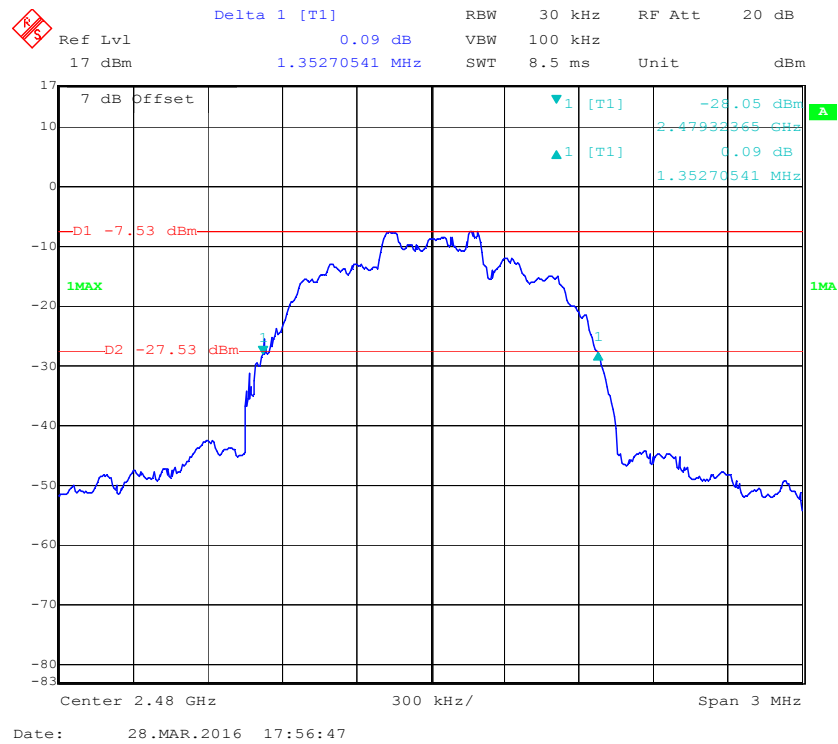
EDR ($\pi/4$ -DQPSK): Low Channel**EDR ($\pi/4$ -DQPSK): Middle Channel**

EDR ($\pi/4$ -DQPSK): High Channel**EDR (8DPSK): Low Channel**

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 Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------------|-------------------|--------|------------------------|------------------|----------------------|
| Rohde & Schwarz | EMI Test Receiver | ESR | 1316.3003K03-101746-zn | 2015-06-13 | 2016-06-13 |
| Ducommun technologies | RF Cable | RG-214 | 3 | 2015-06-15 | 2016-06-15 |
| WEINSCHEL | 3dB Attenuator | 5321 | AU0709 | 2015-06-18 | 2016-06-18 |

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

Test Data

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 26 °C |
| Relative Humidity: | 49 % |
| ATM Pressure: | 101.0 kPa |

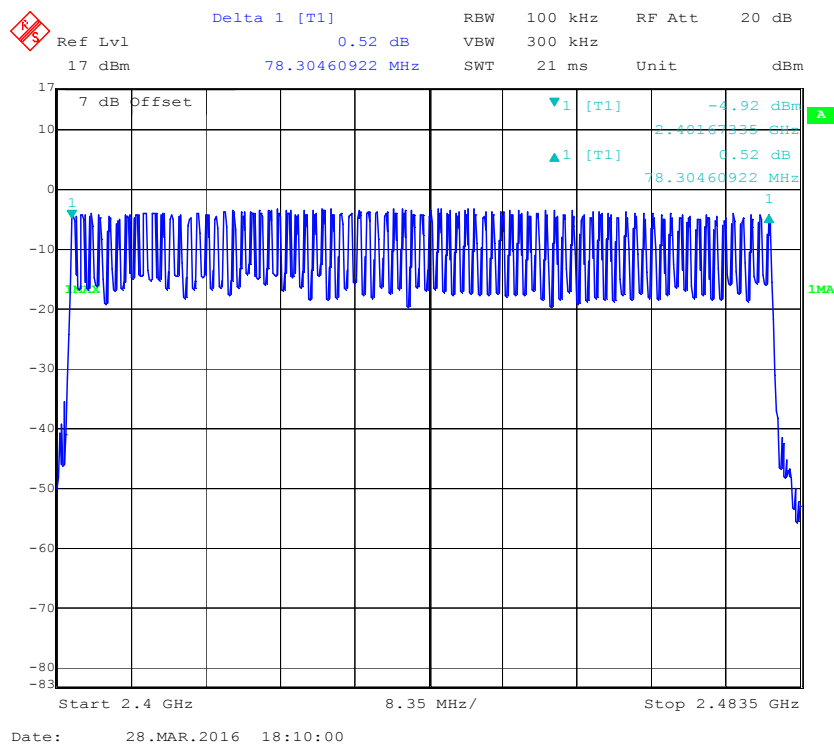
The testing was performed by Sonia Zhou on 2016-03-28.

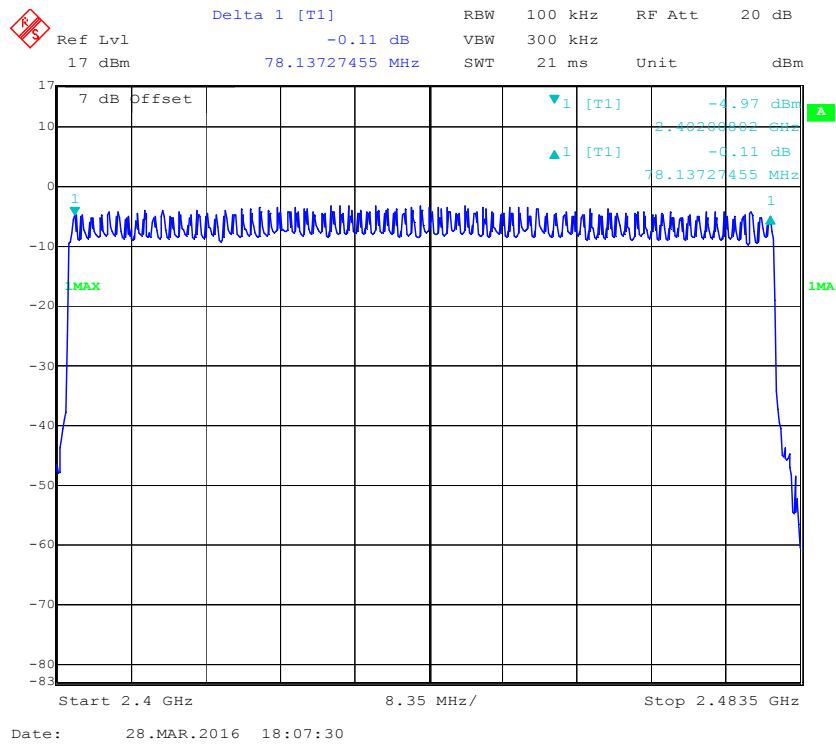
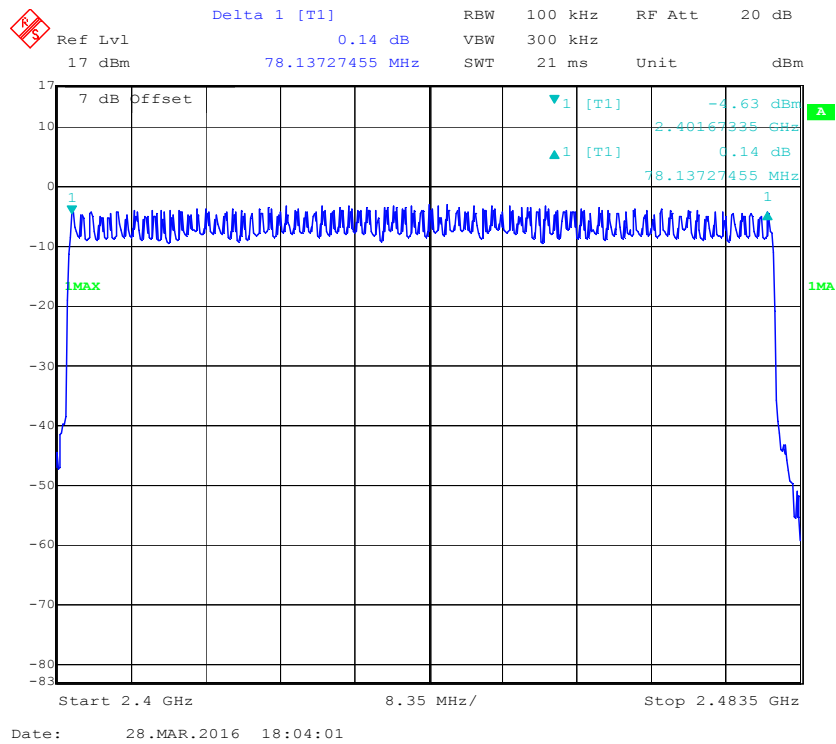
EUT operation mode: Transmitting

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 | ≥ 15 |
| EDR ($\pi/4$ -DQPSK) | 2400-2483.5 | 79 | ≥ 15 |
| EDR (8DPSK) | 2400-2483.5 | 79 | ≥ 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 (DWEELL 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 Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------------|-----------------|--------|---------------|------------------|----------------------|
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028 | 2015-12-11 | 2016-12-11 |
| Ducommun technologies | RF Cable | RG-214 | 3 | 2015-06-15 | 2016-06-15 |
| WEINSCHTEL | 3dB Attenuator | 5321 | AU0709 | 2015-06-18 | 2016-06-18 |

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

Test Data

Environmental Conditions

| | |
|--------------------|-----------|
| Temperature: | 26 °C |
| Relative Humidity: | 49 % |
| ATM Pressure: | 100.0 kPa |

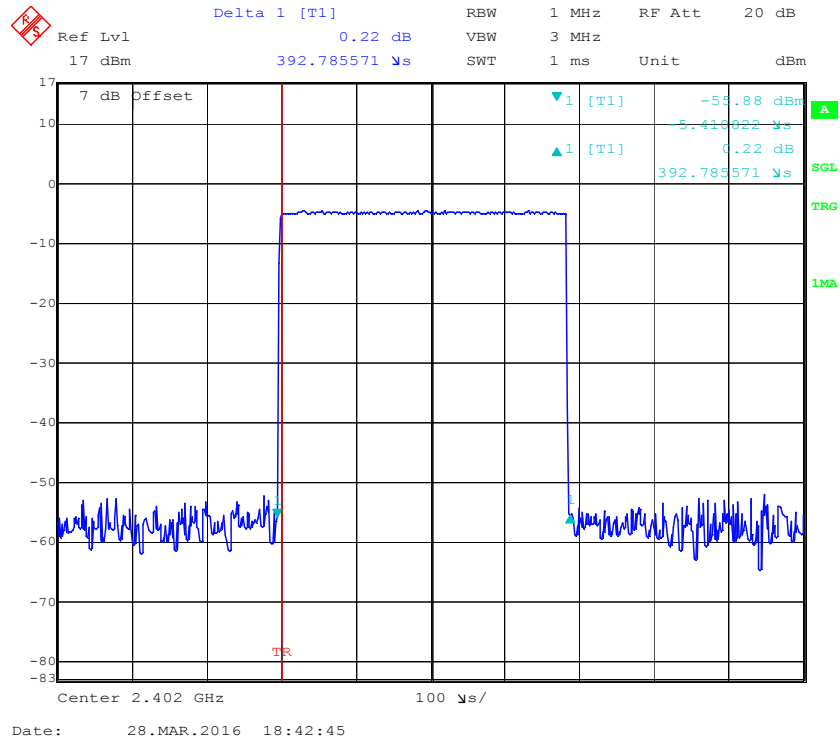
The testing was performed by Sonia Zhou on 2016-03-28.

EUT operation mode: Transmitting

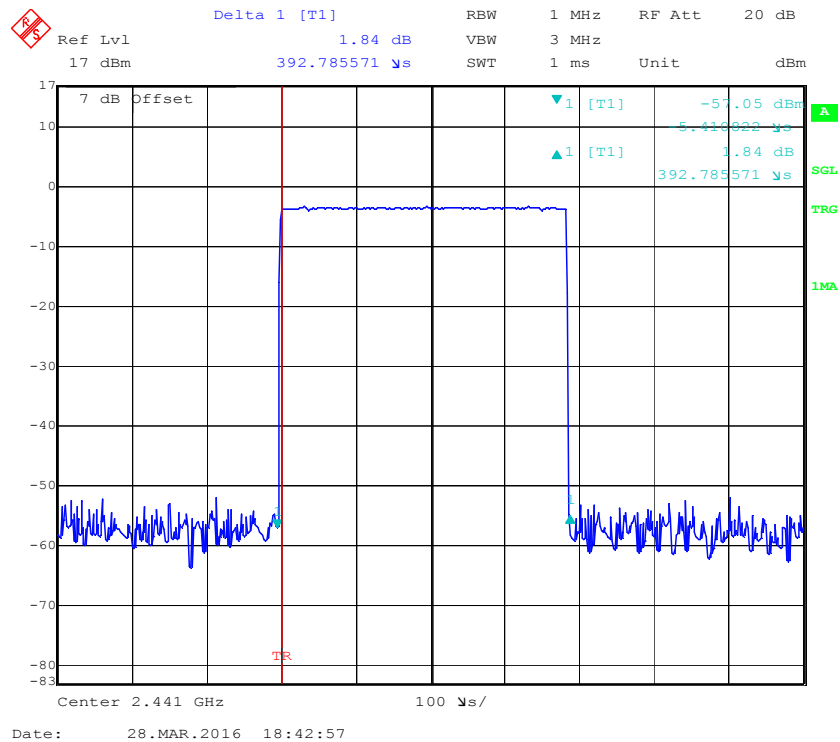
Test Result: Compliance. Please refer to following table and plots.

| Mode | | Channel | Pulse Width (ms) | Dwell Time (S) | Limit (S) | Result |
|-----------------------|-------|--|------------------|----------------|-----------|--------|
| BDR (GFSK) | DH 1 | Low | 0.393 | 0.126 | 0.4 | Pass |
| | | Middle | 0.393 | 0.126 | 0.4 | Pass |
| | | High | 0.393 | 0.126 | 0.4 | Pass |
| | | Note: DH1:Dwell time = Pulse time*(1600/2/79)*31.6S | | | | |
| | DH 3 | Low | 1.661 | 0.266 | 0.4 | Pass |
| | | Middle | 1.661 | 0.266 | 0.4 | Pass |
| | | High | 1.661 | 0.266 | 0.4 | Pass |
| | | Note: DH3:Dwell time = Pulse time*(1600/4/79)*31.6S | | | | |
| | DH 5 | Low | 2.928 | 0.312 | 0.4 | Pass |
| | | Middle | 2.928 | 0.312 | 0.4 | Pass |
| | | High | 2.928 | 0.312 | 0.4 | Pass |
| | | Note: DH5:Dwell time = Pulse time*(1600/6/79)*31.6S | | | | |
| EDR ($\pi/4$ -DQPSK) | 2DH 1 | Low | 0.393 | 0.126 | 0.4 | Pass |
| | | Middle | 0.393 | 0.126 | 0.4 | Pass |
| | | High | 0.393 | 0.126 | 0.4 | Pass |
| | | Note: 2DH1:Dwell time = Pulse time*(1600/2/79)*31.6S | | | | |
| | 2DH 3 | Low | 1.655 | 0.265 | 0.4 | Pass |
| | | Middle | 1.655 | 0.265 | 0.4 | Pass |
| | | High | 1.655 | 0.265 | 0.4 | Pass |
| | | Note: 2DH3:Dwell time = Pulse time*(1600/4/79)*31.6S | | | | |
| | 2DH 5 | Low | 2.918 | 0.311 | 0.4 | Pass |
| | | Middle | 2.918 | 0.311 | 0.4 | Pass |
| | | High | 2.918 | 0.311 | 0.4 | Pass |
| | | Note: 2DH5:Dwell time = Pulse time*(1600/6/79)*31.6S | | | | |
| EDR (8DPSK) | 3DH 1 | Low | 0.395 | 0.126 | 0.4 | Pass |
| | | Middle | 0.395 | 0.126 | 0.4 | Pass |
| | | High | 0.395 | 0.126 | 0.4 | Pass |
| | | Note: 3DH1:Dwell time = Pulse time*(1600/2/79)*31.6S | | | | |
| | 3DH 3 | Low | 1.655 | 0.265 | 0.4 | Pass |
| | | Middle | 1.655 | 0.265 | 0.4 | Pass |
| | | High | 1.655 | 0.265 | 0.4 | Pass |
| | | Note: 3DH3:Dwell time = Pulse time*(1600/4/79)*31.6S | | | | |
| | 3DH 5 | Low | 2.918 | 0.311 | 0.4 | Pass |
| | | Middle | 2.918 | 0.311 | 0.4 | Pass |
| | | High | 2.918 | 0.311 | 0.4 | Pass |
| | | Note: 3DH5:Dwell time = Pulse time*(1600/6/79)*31.6S | | | | |

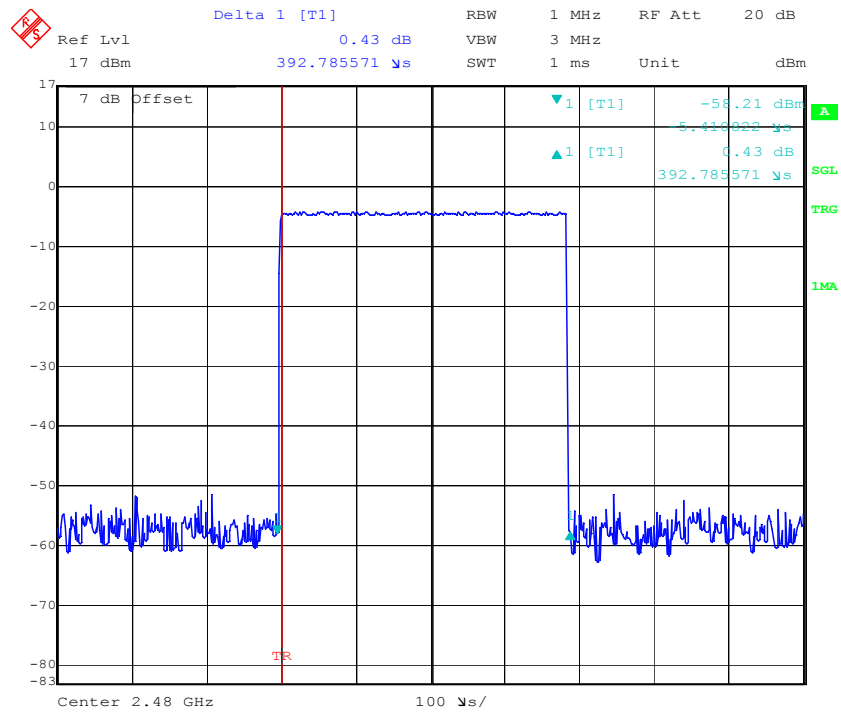
BDR (GFSK): Pulse time, Low Channel, DH1



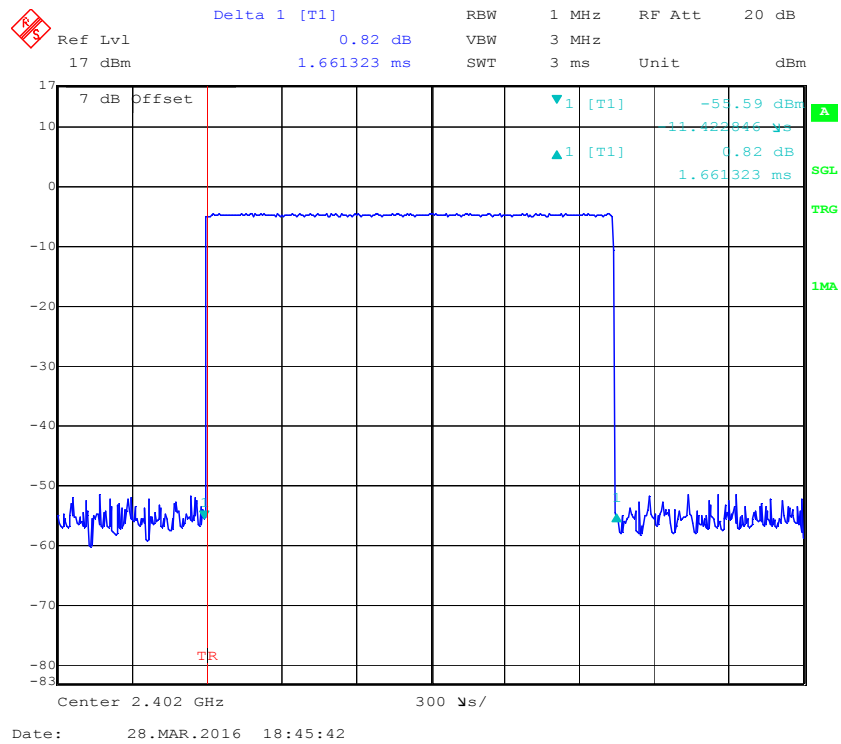
Pulse time, Middle Channel, DH1



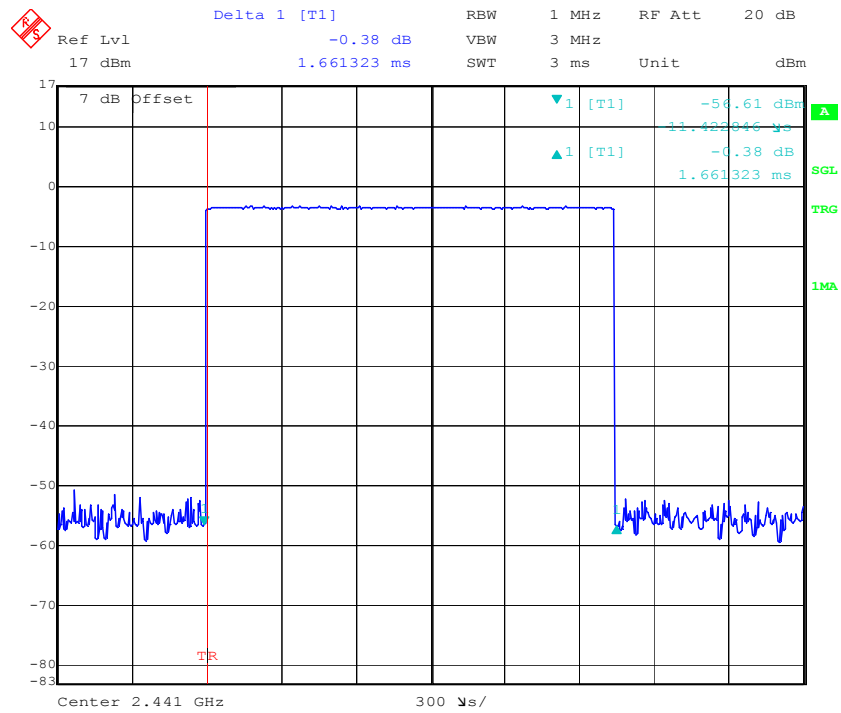
Pulse time, High Channel, DH1



Pulse time, Low Channel, DH3

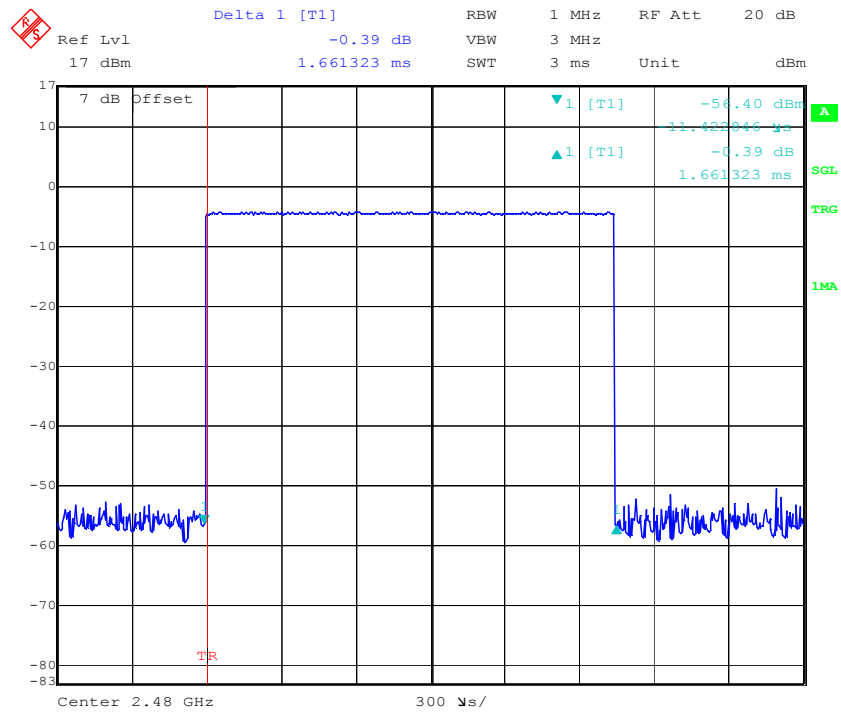


Pulse time, Middle Channel, DH3



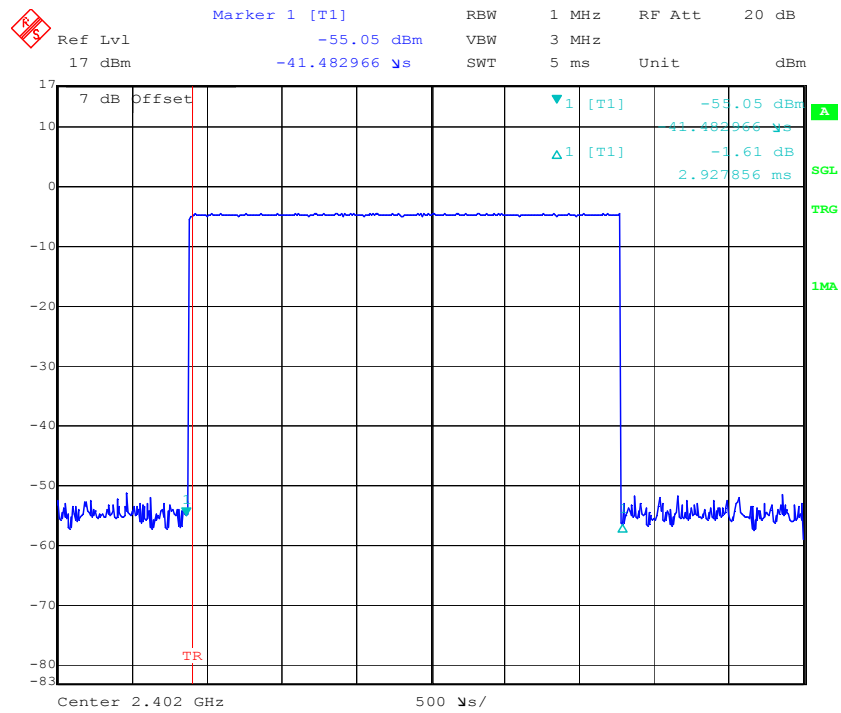
Date: 28.MAR.2016 18:45:27

Pulse time, High Channel, DH3

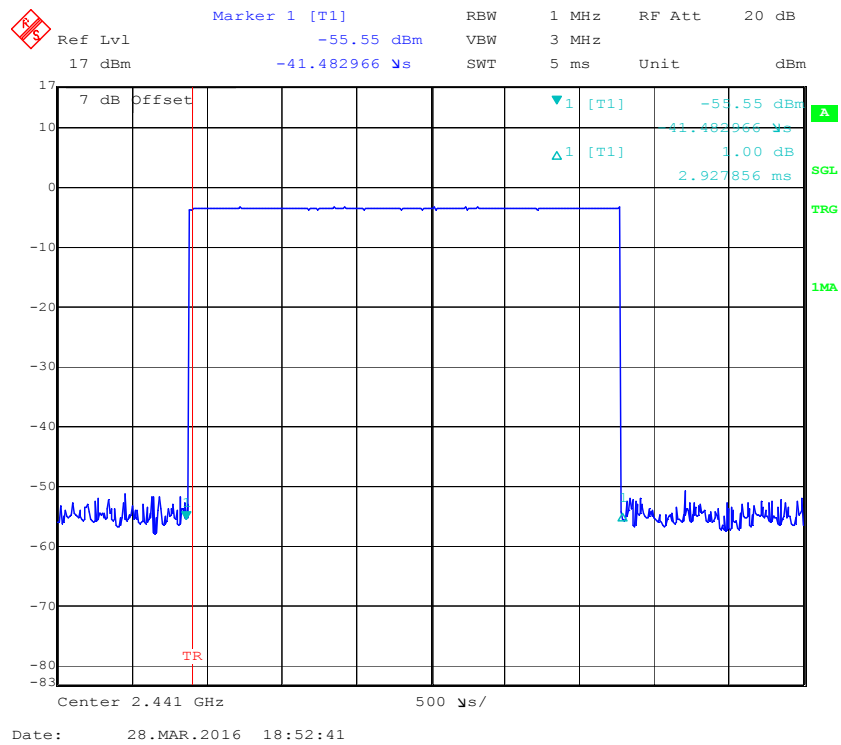


Date: 28.MAR.2016 18:45:11

Pulse time, Low Channel, DH5



Pulse time, Middle Channel, DH5



Ref Lvl 17 dBm
 Marker 1 [T1] -55.54 dBm
 RBW 1 MHz
 VBW 3 MHz
 SWT 5 ms
 RF Att 20 dB
 Unit dBm

7 dB Offset
 1 [T1] -55.54 dBm
 1 [T1] -58.58 dBm
 2.927856 ms
 41.482966 ns
 TR
 Center 2.48 GHz
 500 uV/div

Date: 28.MAR.2016 18:52:26

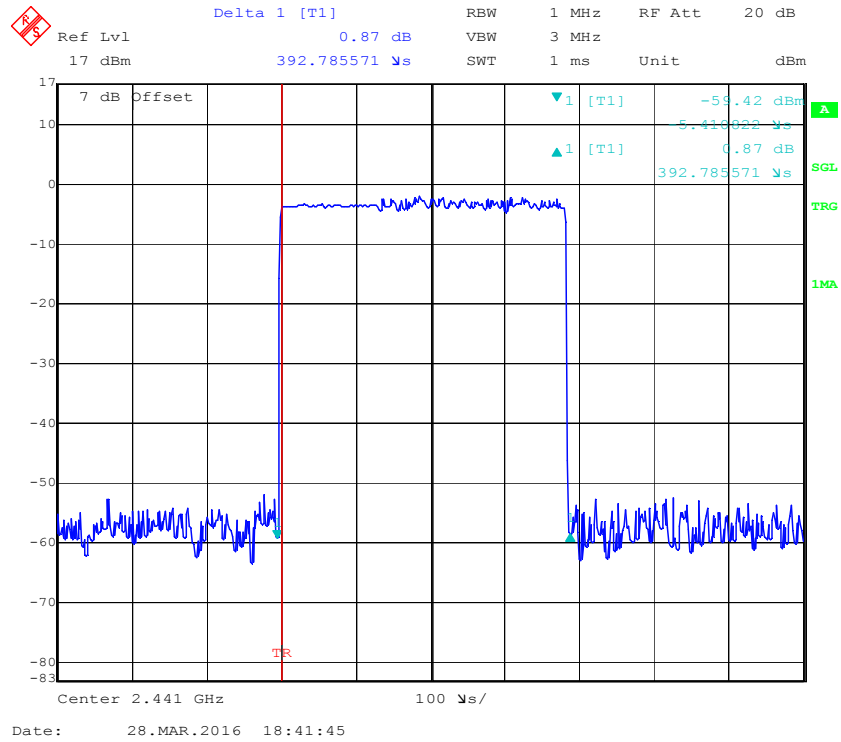
Delta 1 [T1] 0.92 dB
 Ref Lvl 17 dBm
 392.785571 μ s
 RBW 1 MHz
 VBW 3 MHz
 SWT 1 ms
 RF Att 20 dB
 Unit dBm

7 dB Offset
 1 [T1] -5.53 dBm
 1 [T1] 0.92 dB
 392.785571 μ s

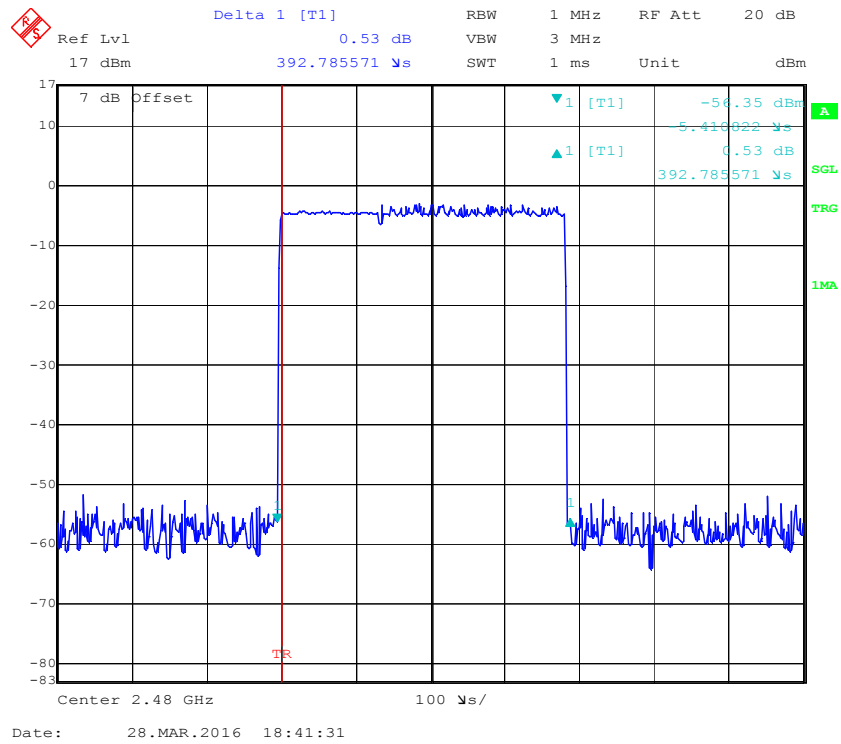
Center 2.402 GHz 100 μ s/

Date: 28.MAR.2016 18:42:01

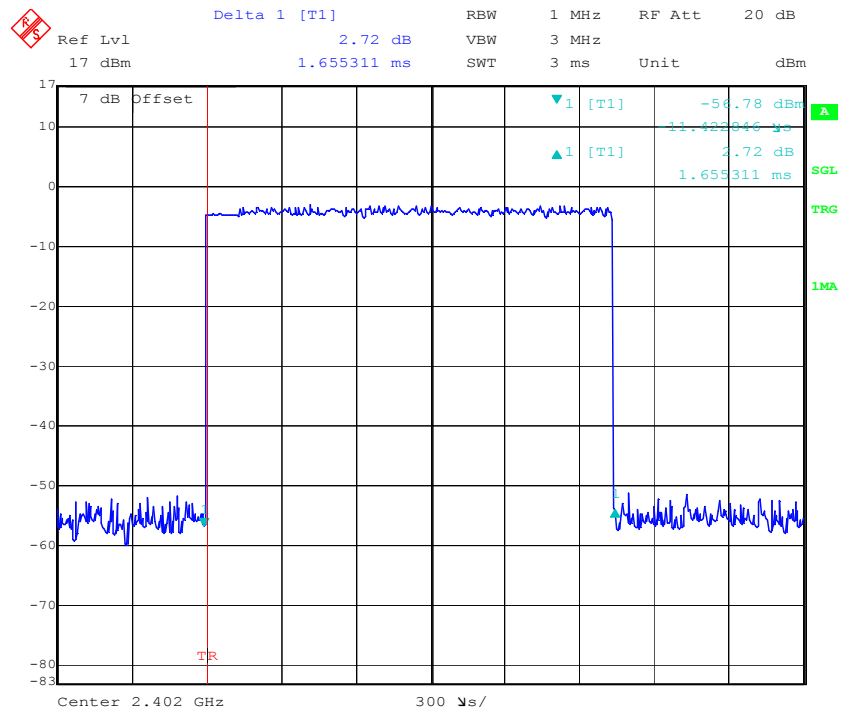
Page 43 of 59



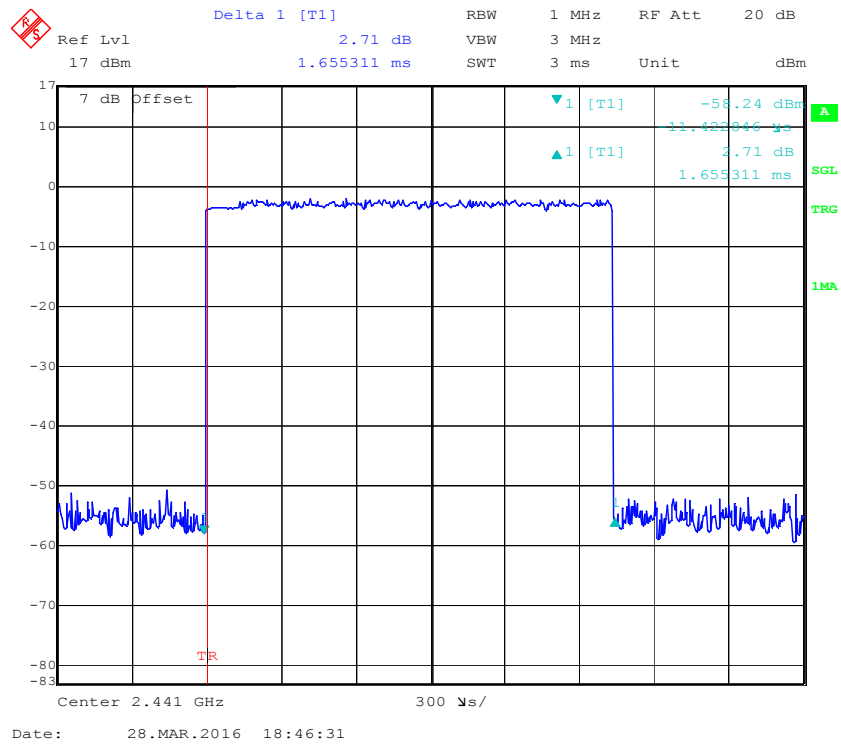
Pulse time, High Channel, 2DH1



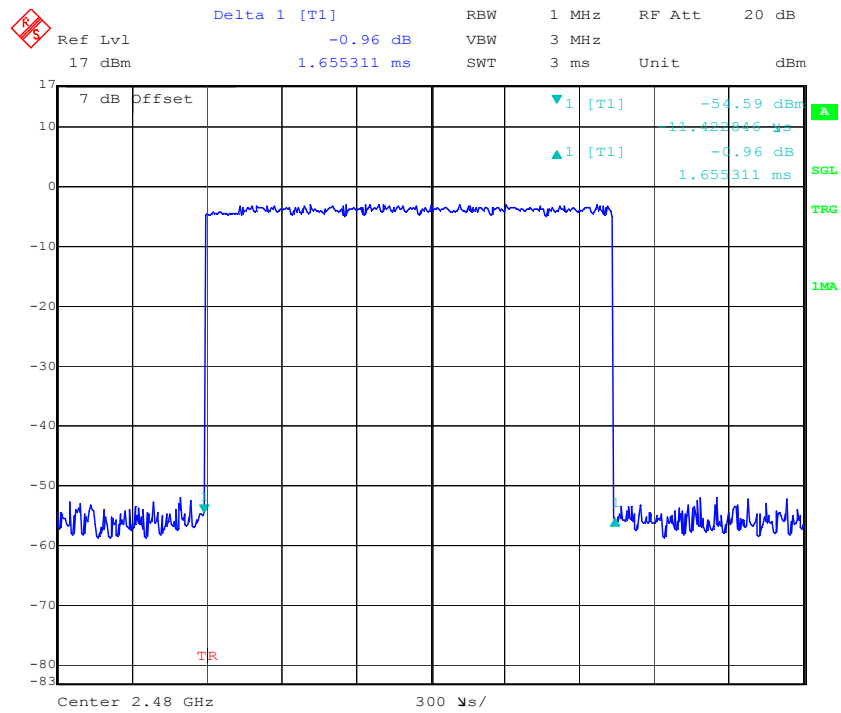
Pulse time, Low Channel, 2DH3



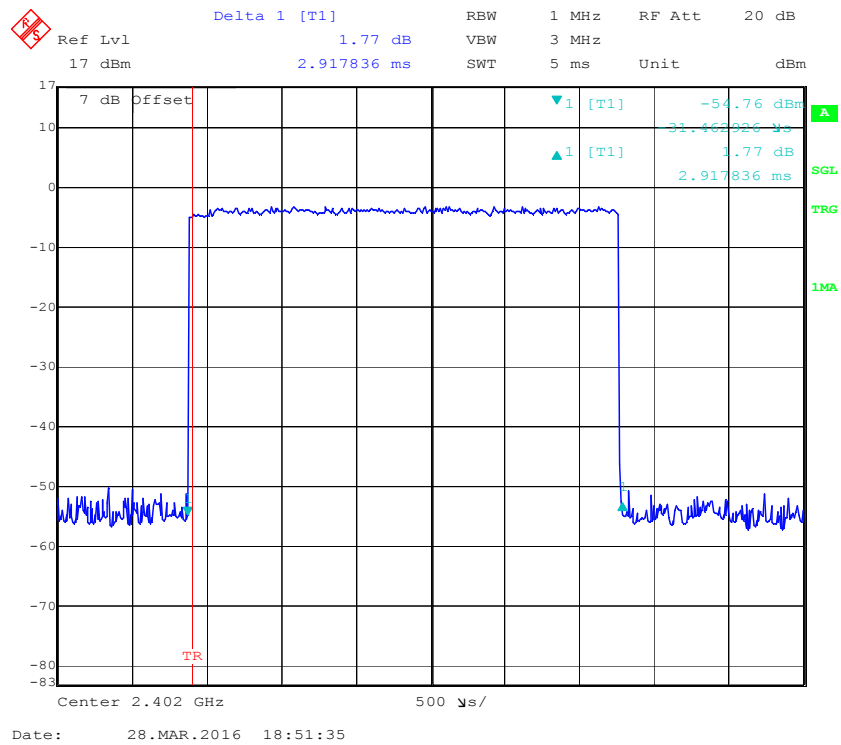
Pulse time, Middle Channel, 2DH3



Pulse time, High Channel, 2DH3



Pulse time, Low Channel, 2DH5



[illegible]

Date: 28.MAR.2016 18:51:20

Delta 1 [T1]

Ref Lvl 3.15 dB

17 dBm 2.917836 ms

RBW 1 MHz

VBW 3 MHz

SWT 5 ms

RF Att 20 dB

Unit dBm

7 dB Offset

▼ 1 [T1] -57.12 dBm

▲ 1 [T1] 31.462826 μs

3.15 dB

2.917836 ms

TR

Center 2.48 GHz

500 MHz

17

10

0

-10

-20

-30

-40

-50

-60

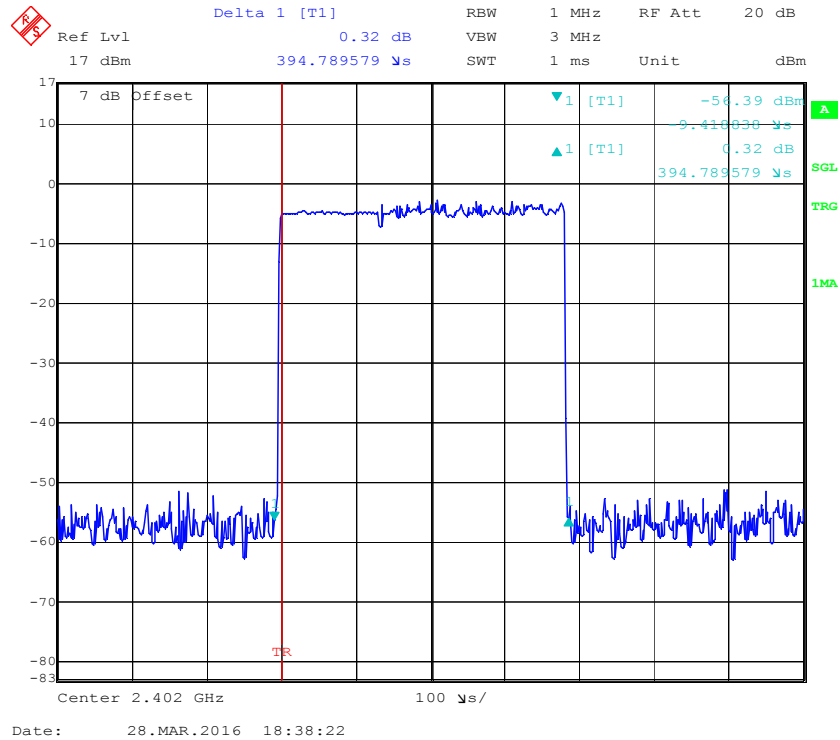
-70

-80

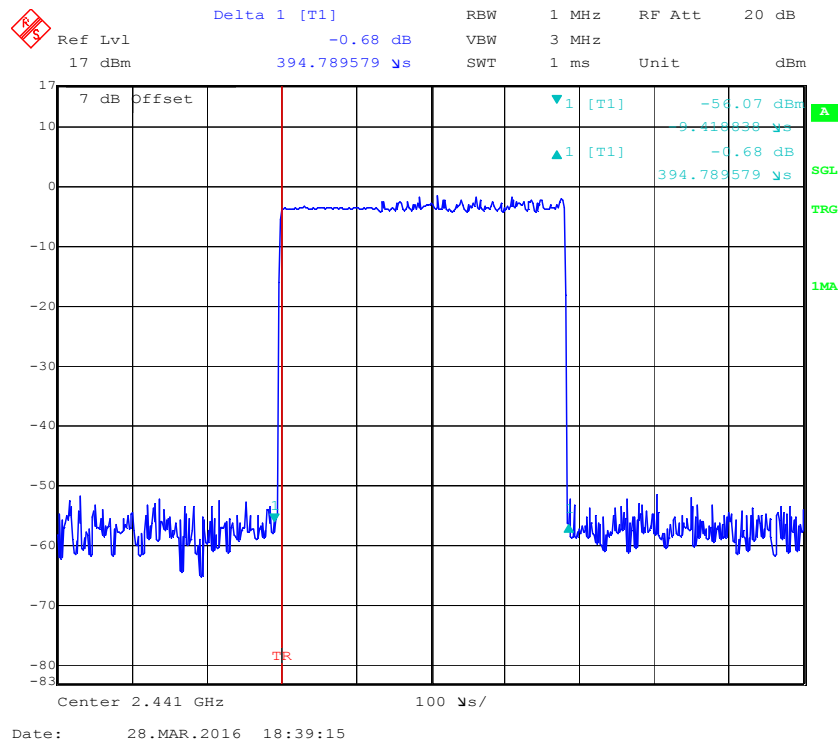
-83

Date: 28.MAR.2016 18:51:50

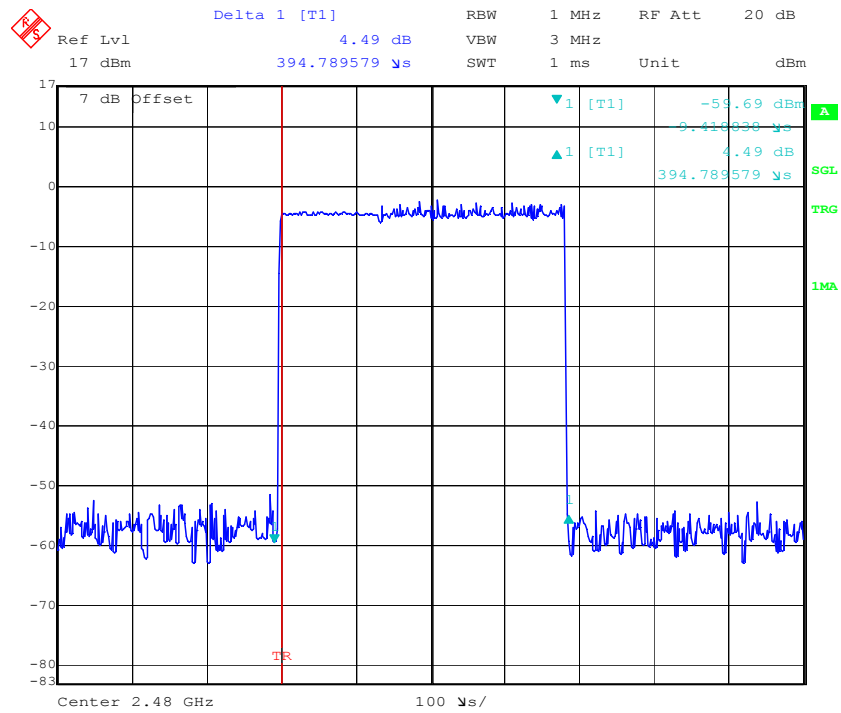
EDR (8DPSK): Pulse time, Low Channel, 3DH1



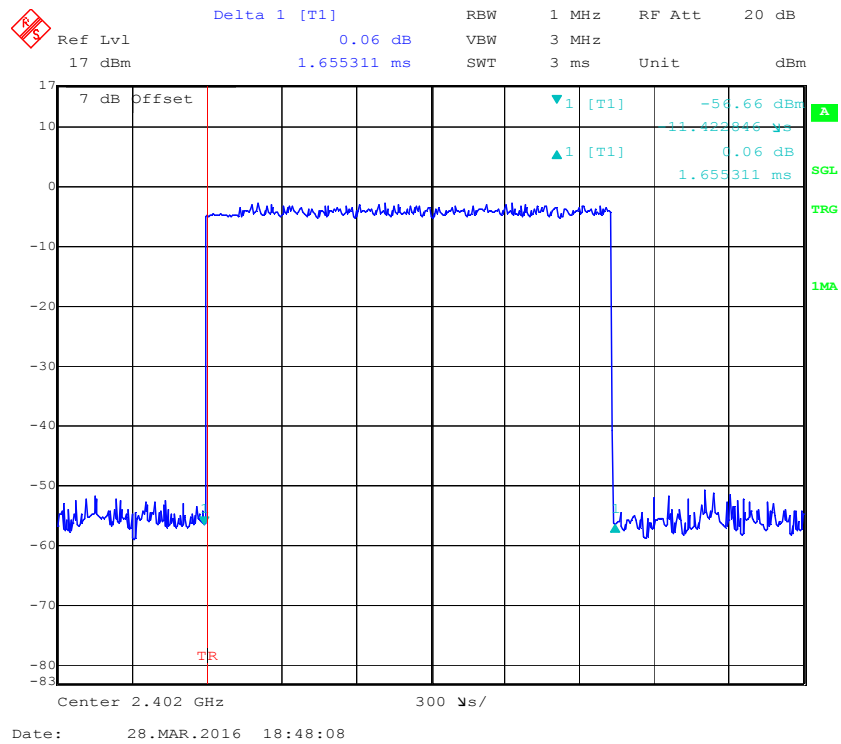
Pulse time, Middle Channel, 3DH1



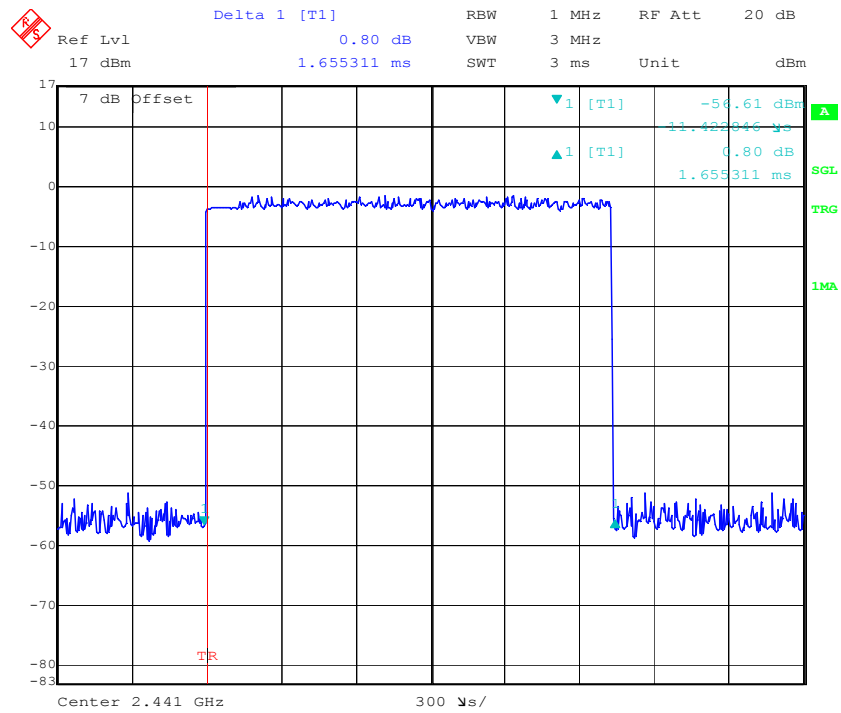
Pulse time, High Channel, 3DH1



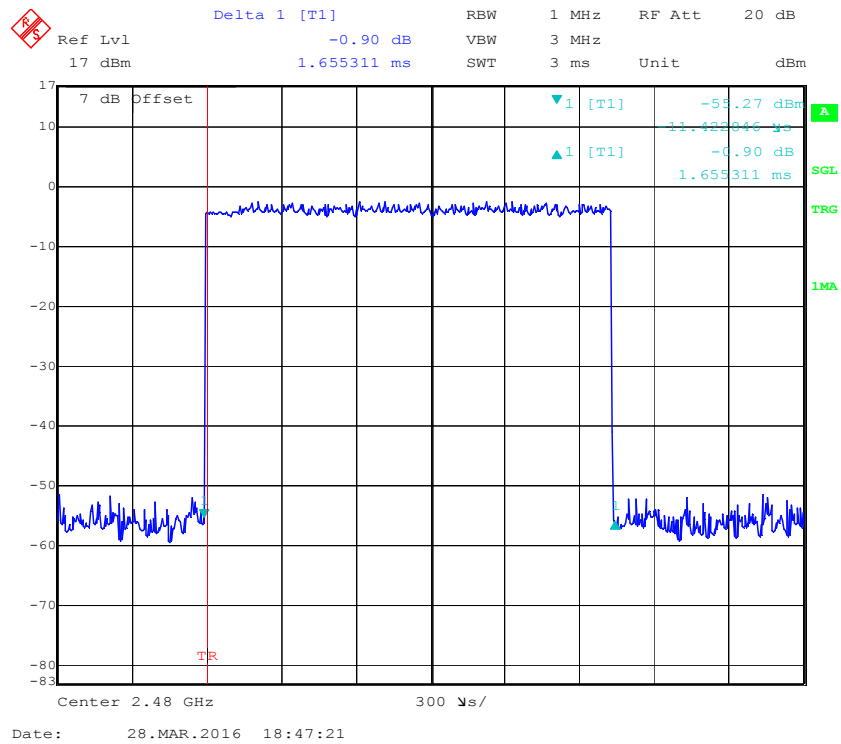
Pulse time, Low Channel, 3DH3



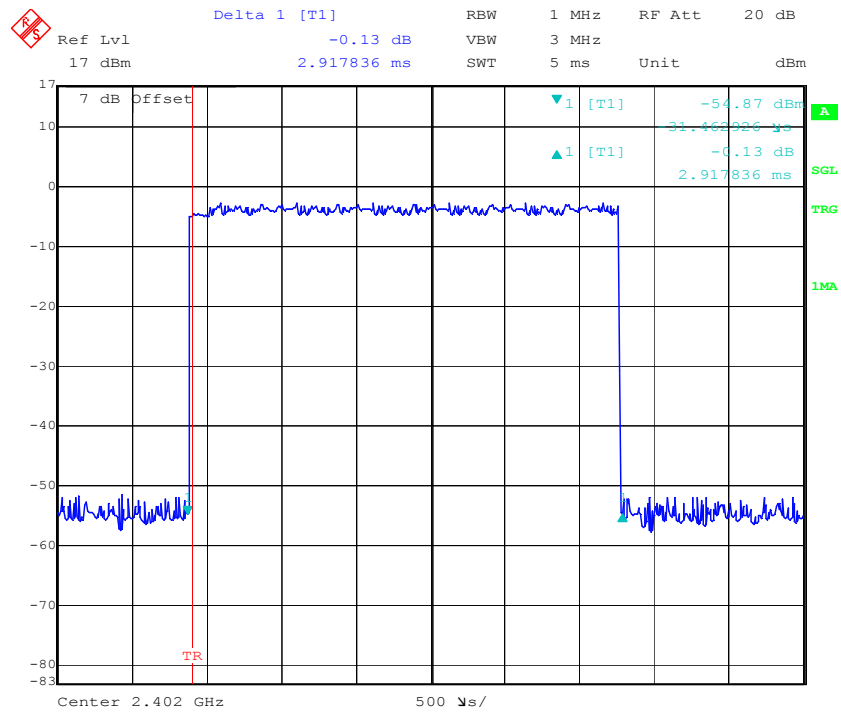
Pulse time, Middle Channel, 3DH3



Pulse time, High Channel, 3DH3

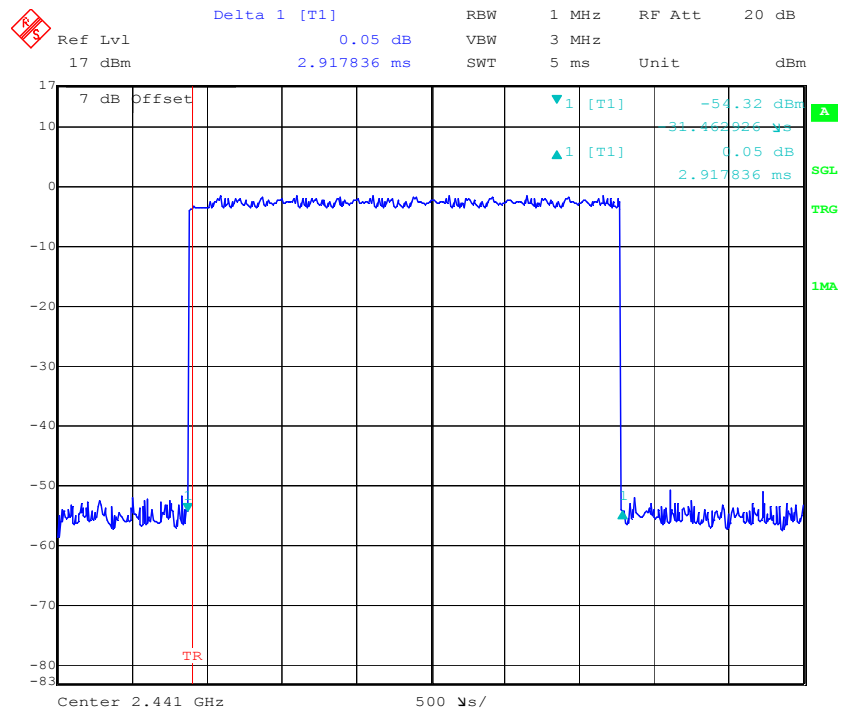


Pulse time, Low Channel, 3DH5



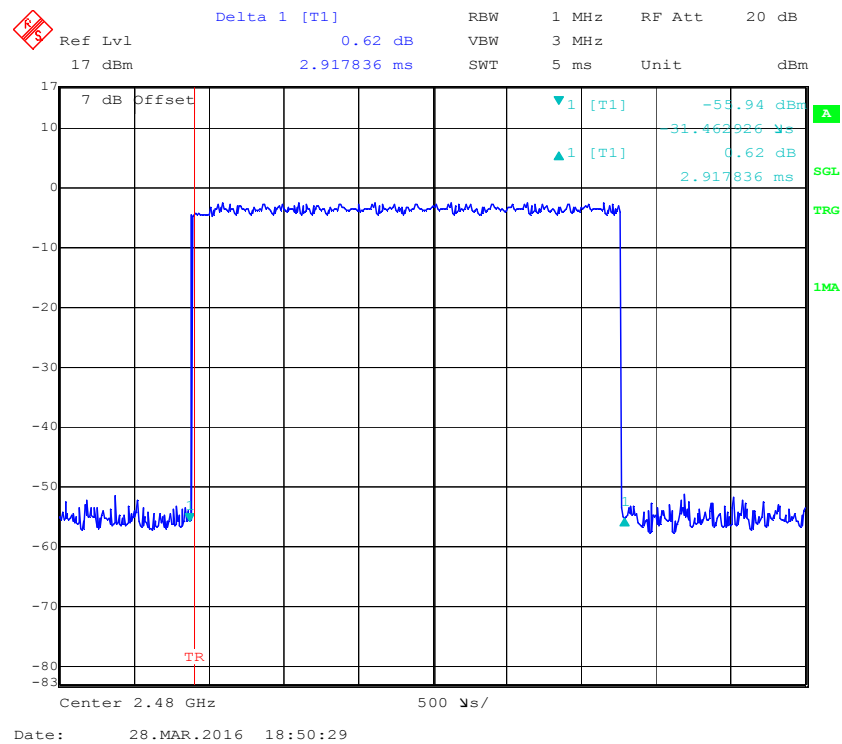
Date: 28.MAR.2016 18:49:58

Pulse time, Middle Channel, 3DH5



Date: 28.MAR.2016 18:49:46

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 Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------------|-----------------|--------|---------------|------------------|----------------------|
| HP | Power Meter | N1912A | MY5000448 | 2015-12-18 | 2016-12-17 |
| HP | Power Sensor | N1921A | MY54210016 | 2015-12-18 | 2016-12-17 |
| Ducommun technologies | RF Cable | RG-214 | 3 | 2015-06-15 | 2016-06-15 |
| WEINSCHEL | 10dB Attenuator | 5324 | AU0709 | 2015-06-18 | 2016-06-18 |

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

Test Data**Environmental Conditions**

| | |
|--------------------|-----------|
| Temperature: | 23 °C |
| Relative Humidity: | 50 % |
| ATM Pressure: | 101.0 kPa |

The testing was performed by Sonia Zhou on 2016-03-28.

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) |
|---------------------------------------|---------|-----------------|---------------------|------------------------|------------|
| BDR (GFSK) | Low | 2402 | -4.46 | 0.358 | 1000 |
| | Middle | 2441 | -3.28 | 0.470 | 1000 |
| | High | 2480 | -4.17 | 0.383 | 1000 |
| EDR ($\pi/4$-DQPSK) | Low | 2402 | -2.63 | 0.546 | 1000 |
| | Middle | 2441 | -1.38 | 0.728 | 1000 |
| | High | 2480 | -2.34 | 0.583 | 1000 |
| EDR (8DPSK) | Low | 2402 | -2.20 | 0.603 | 1000 |
| | Middle | 2441 | -0.89 | 0.815 | 1000 |
| | High | 2480 | -1.89 | 0.647 | 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 Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------------|-----------------|--------|---------------|------------------|----------------------|
| Rohde & Schwarz | Signal Analyzer | FSIQ26 | 8386001028 | 2015-12-11 | 2016-12-11 |
| Ducommun technologies | RF Cable | RG-214 | 3 | 2015-06-15 | 2016-06-15 |
| WEINSCHTEL | 3dB Attenuator | 5321 | AU0709 | 2015-06-18 | 2016-06-18 |

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

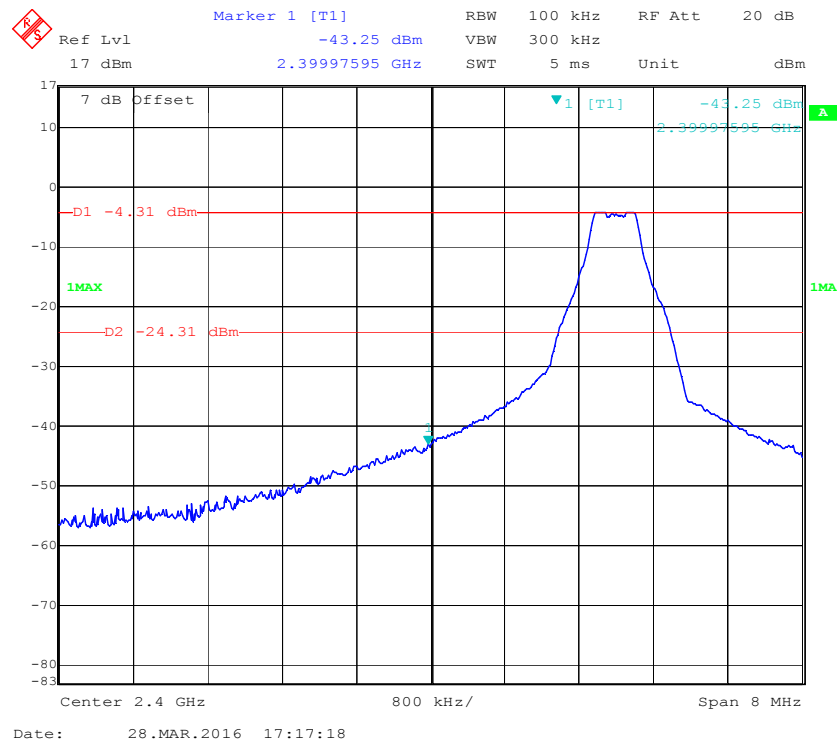
Test Data**Environmental Conditions**

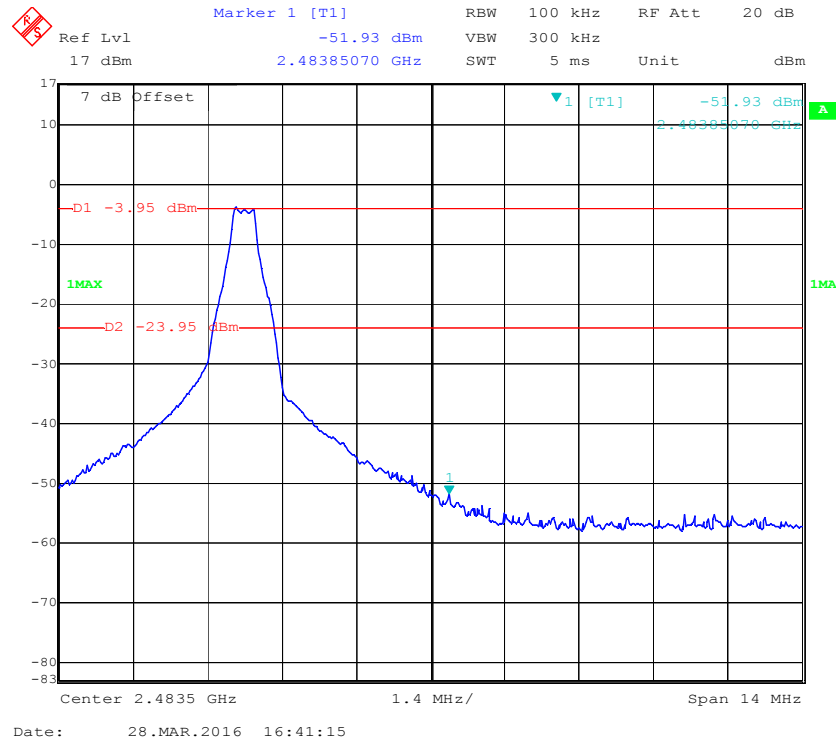
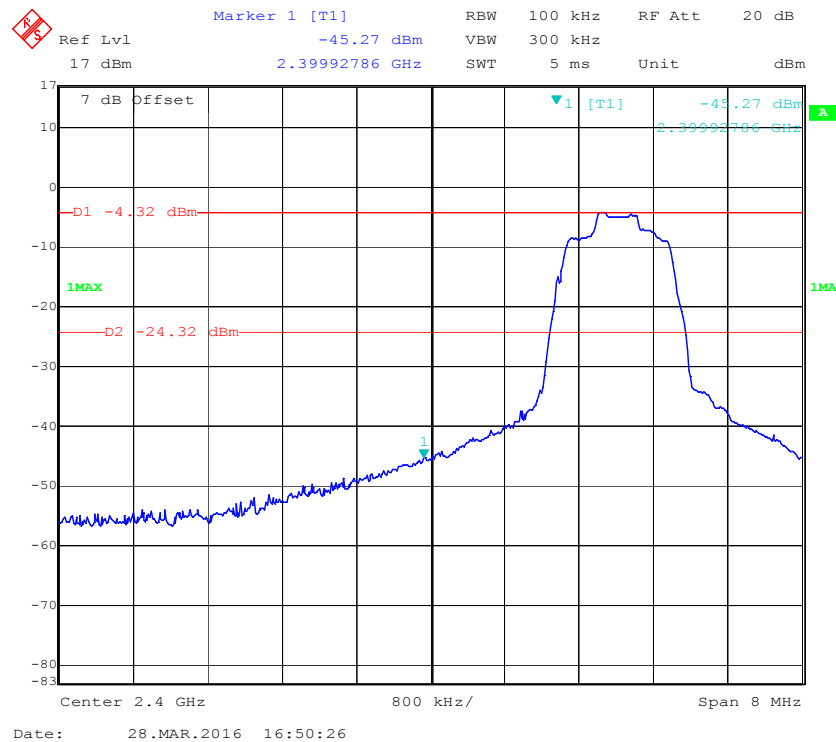
| | |
|--------------------|-----------|
| Temperature: | 22 °C |
| Relative Humidity: | 50 % |
| ATM Pressure: | 101.0 kPa |

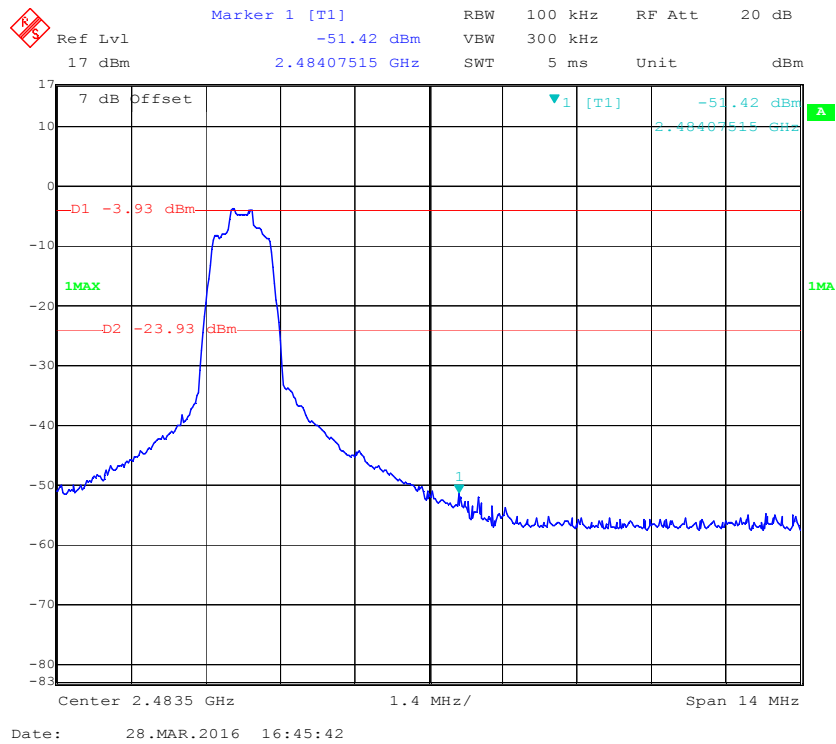
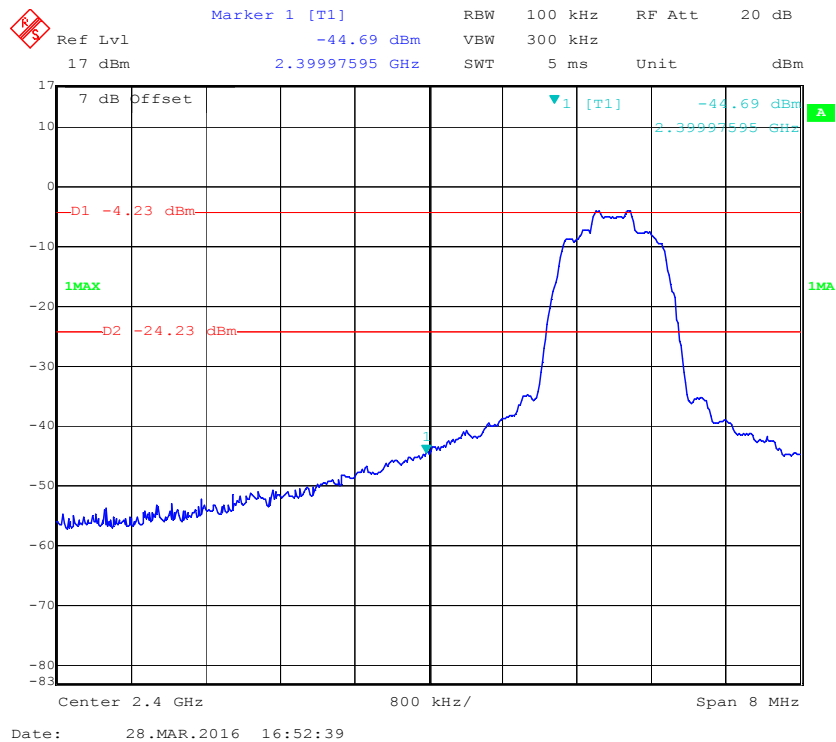
The testing was performed by Sonia Zhou on 2016-03-28.

EUT operation mode: Transmitting

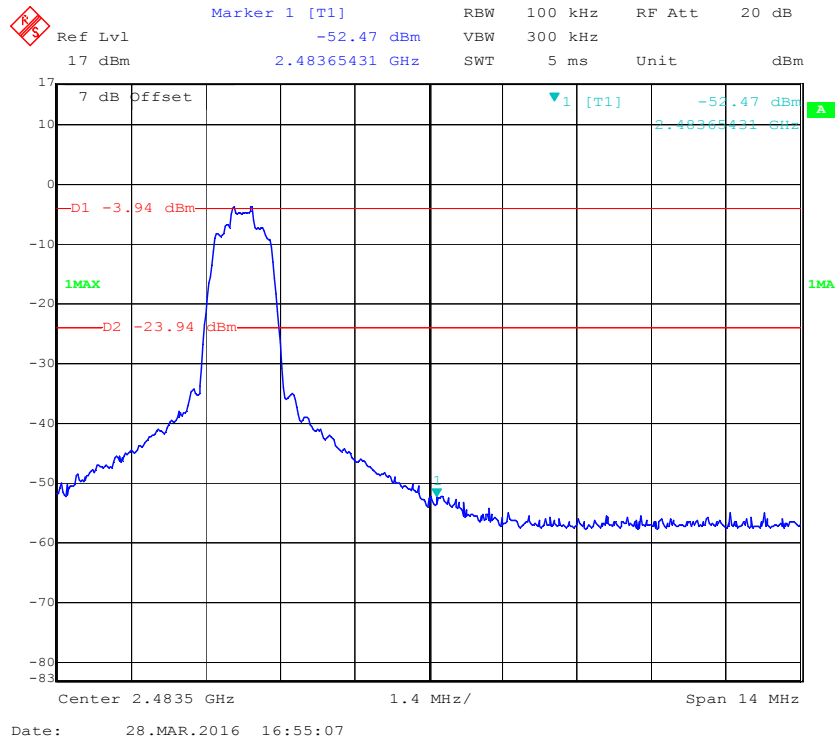
Test Result: Compliance. Please refer to following plots.

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 *****