

FCC PART 15.247  
TEST REPORT

For

**Kygo Life AS**

Sjoyst Plass 3, 0278 Oslo ,Norway

**FCC ID: 2ANOX63086**

<b>Report Type:</b> Original Report	<b>Product Name:</b> Bluetooth headphone
<b>Report Number:</b> RDG170922003-00A	
<b>Report Date:</b> 2017-10-18	
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**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. (Dongguan).

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## GENERAL INFORMATION

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

The **Kygo Life AS**'s product, model number: **KYGO A4/300 (FCC ID: 2ANOX63086)** (the "EUT") in this report was a **Bluetooth headphone**, which was measured approximately: 185 mm (L) x 167mm (W) x72 mm (H), rated power: DC3.7V from Battery .

*\*All measurement and test data in this report was gathered from production sample serial number: 170922003 (Assigned by BACL,Dongguan). The EUT was received on 2017-09-22.*

### Objective

This report is prepared on behalf of **Kygo Life AS** in accordance with Part 2, Subpart J, Part 15, Subparts A and C of the Federal Communications Commission's rules

The tests were performed in order to determine the Bluetooth BDR and EDR mode of EUT compliance with FCC Rules Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

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

FCC Part 15C DTS submissions with FCC ID: 2ANOX63086 .

### Test Methodology

All measurements detailed in this Test Report were performed in accordance with ANSI C63.10-2013 "American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices".

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Dongguan).

**Measurement Uncertainty**

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	30M~200MHz: 4.58 dB for Horizontal, 4.59 dB for Vertical 200M~1GHz: 4.83 dB for Horizontal, 5.85 dB for Vertical 1G~6GHz: 4.45 dB, 6G~26.5GHz: 5.23 dB
Unwanted Emissions , conducted	±1.5 dB
Temperature	±1 °C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	3.12 dB (150 kHz to 30 MHz)

**Test Facility**

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China

Bay Area Compliance Laboratories Corp. (Dongguan) has been accredited to ISO 17025 by CNAS(Lab code: L5662). And accredited to ISO 17025 by NVLAP(Test Laboratory Accreditation Certificate Number 500069-0), the FCC Designation No. CN5002 under the KDB 974614 D01.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 273710. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

Bay Area Compliance Laboratories Corp. (Dongguan) was registered with ISED Canada under ISED Canada Registration Number 3062D.

## SYSTEM TEST CONFIGURATION

### Description of Test Configuration

The system was configured for testing in engineering mode.

### EUT Exercise Software

The test software: 'Blue Test3' configured the maximum power level as below setting:

Test Software Version	Blue Test3		
Test Frequency	2402MHz	2441MHz	2480MHz
GFSK	63	63	63
$\pi/4$ -DQPSK	63	63	63
8-DPSK	63	63	63

### Equipment Modifications

No modification was made to the EUT.

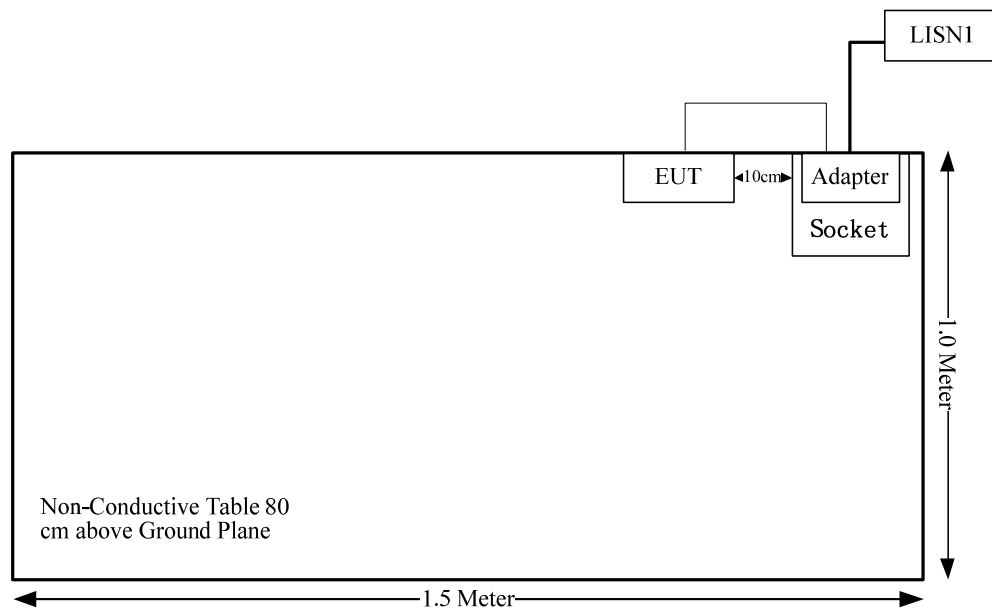
### Local Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
CFOMAX	Adapter	ACC07C02	V043660704256144

### Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From	To
USB Cable	No	No	0.19	Adapter	EUT

## Block Diagram of Test Setup



**SUMMARY OF TEST RESULTS**

FCC Rules	Description of Test	Result
§15.247 (i) & §1.1310 & §2.1093	RF Exposure	Compliance
§15.203	Antenna Requirement	Compliance
§15.207 (a)	Conducted Emissions	Compliance
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliance
§15.247 (a)(1)	20 dB 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



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**FCC §15.247 (i) & §1.1310 & §2.1093- RF EXPOSURE**

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**Applicable Standard**

According to §15.247(i) and §1.1310, 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 KDB447498 D01 General RF Exposure Guidance v06:

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

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

**Measurement Result**

The max conducted power including tune-up tolerance is 5 dBm (3.16mW).

$[(\text{max. power of channel, mW})/(\text{min. test separation distance, mm})][\sqrt{f(\text{GHz})}]$   
 $= 3.16/5 \cdot (\sqrt{2.480}) = 1.0 < 3.0$

**So the stand-alone SAR evaluation is not necessary.**

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## **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 BT, and the antenna gain is 2.5 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 setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

The adapter was connected to the main LISN with a 120 V/60 Hz AC power source.

### 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

During the conducted emission test, the adapter was connected to the outlet of the first LISN.

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

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

## Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$$V_C = V_R + A_C + VDF$$

Herein,

$V_C$ : corrected voltage amplitude

$V_R$ : reading voltage amplitude

$A_C$ : attenuation caused by cable loss

$VDF$ : voltage division factor of AMN or ISN

The “**Margin**” column of the following data tables indicates the degree of compliance within 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
R&S	EMI Test Receiver	ESCS 30	830245/006	2016-12-08	2017-12-08
R&S	L.I.S.N	ESH2-Z5	892107/021	2017-09-25	2018-09-25
R&S	Two-line V-network	ENV 216	3560.6550.12	2017-09-25	2018-09-25
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A
Unknown	Coaxial Cable	2m	Con-1	2017-09-25	2018-09-25

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

## Test Data

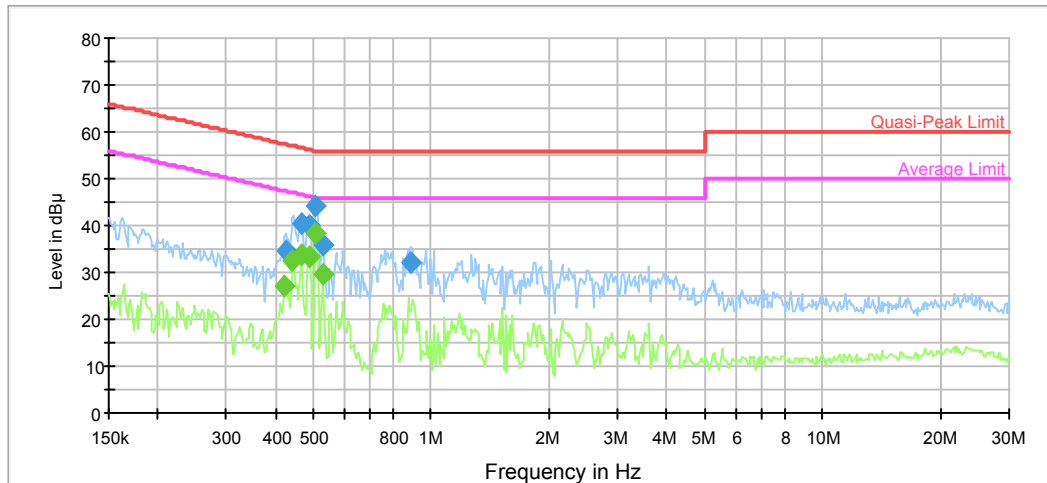
### Environmental Conditions

Temperature:	27.4 °C
Relative Humidity:	51 %
ATM Pressure:	100.4 kPa

*The testing was performed by Gaochao Gong on 2017-09-27.*

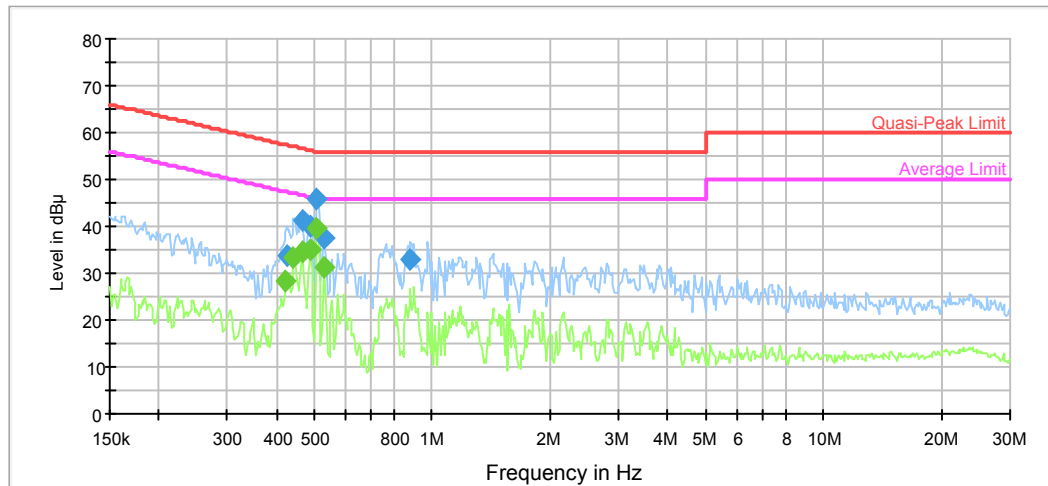
Test Mode: Transmitting

AC120V, 60 Hz, Line:



Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.426011	34.5	9.000	L1	9.9	22.8	57.3	Compliance
0.465037	40.3	9.000	L1	9.9	16.3	56.6	Compliance
0.487810	40.1	9.000	L1	9.9	16.1	56.2	Compliance
0.507637	44.3	9.000	L1	9.9	11.7	56.0	Compliance
0.528270	36.0	9.000	L1	9.9	20.0	56.0	Compliance
0.886728	32.1	9.000	L1	9.8	23.9	56.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.422630	27.3	9.000	L1	10.0	20.1	47.4	Compliance
0.443327	32.3	9.000	L1	9.9	14.7	47.0	Compliance
0.465037	33.9	9.000	L1	9.9	12.7	46.6	Compliance
0.487810	33.5	9.000	L1	9.9	12.7	46.2	Compliance
0.507637	38.1	9.000	L1	9.9	7.9	46.0	Compliance
0.528270	29.7	9.000	L1	9.9	16.3	46.0	Compliance

**AC120V, 60 Hz, Neutral:**

Frequency (MHz)	QuasiPeak (dB $\mu$ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)	Comment
0.426011	33.9	9.000	N	9.9	23.4	57.3	Compliance
0.465037	41.3	9.000	N	9.9	15.3	56.6	Compliance
0.487810	40.0	9.000	N	9.9	16.2	56.2	Compliance
0.507637	45.7	9.000	N	9.9	10.3	56.0	Compliance
0.528270	37.7	9.000	N	9.9	18.3	56.0	Compliance
0.879690	33.0	9.000	N	9.8	23.0	56.0	Compliance

Frequency (MHz)	Average (dB $\mu$ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)	Comment
0.422630	28.5	9.000	N	9.9	18.9	47.4	Compliance
0.443327	33.4	9.000	N	9.9	13.6	47.0	Compliance
0.465037	34.8	9.000	N	9.9	11.8	46.6	Compliance
0.487810	35.0	9.000	N	9.9	11.2	46.2	Compliance
0.507637	39.4	9.000	N	9.9	6.6	46.0	Compliance
0.528270	31.2	9.000	N	9.9	14.8	46.0	Compliance

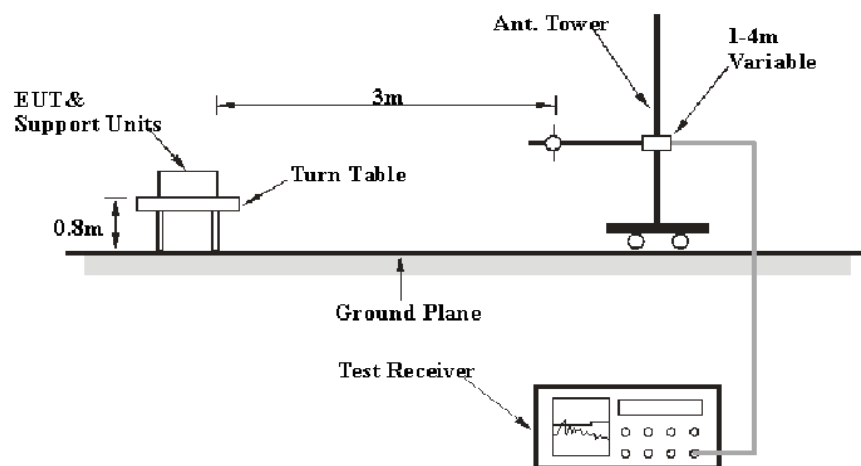
## FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

### Applicable Standard

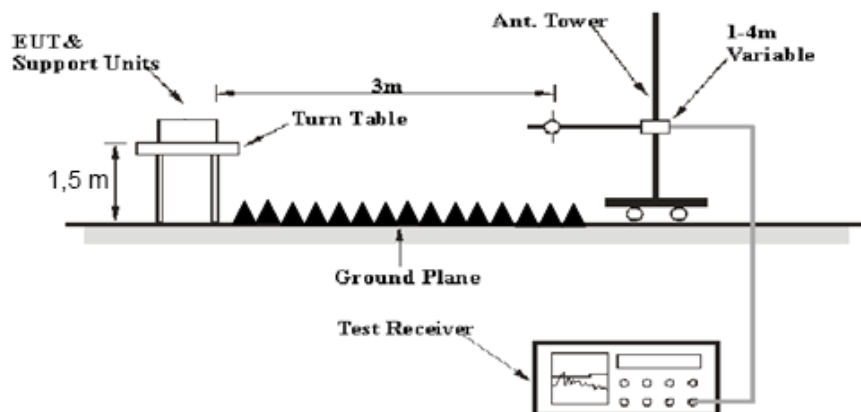
FCC §15.247 (d); §15.209; §15.205;

### EUT Setup

#### Below 1GHz:



#### Above 1GHz:



The radiated emission Below 1GHz tests were performed in the 3 meters chamber test site, above 1GHz tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

## 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	120 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1MHz	3 MHz	/	PK
	1MHz	10 Hz	/	AV

## Test Procedure

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

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz - 1 GHz, peak and average detection modes for frequencies above 1 GHz.

## Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2017-09-01	2018-09-01
Sunol Sciences	Antenna	JB3	A060611-1	2014-11-06	2017-11-05
HP	Amplifier	8447D	2727A05902	2017-09-05	2018-09-05
unknown	Coaxial Cable	4m	C0400/01	2017-09-05	2018-09-05
unknown	Coaxial Cable	0.75m	C0075/01	2017-09-05	2018-09-05
unknown	Coaxial Cable	10m	C1000/01	2017-09-05	2018-09-05
Agilent	Spectrum Analyzer	E4440A	SG43360054	2016-12-08	2017-12-08
ETS-Lindgren	Horn Antenna	3115	000 527 35	2016-01-05	2019-01-05
MITEQ	Amplifier	AFS42-00101800-25-S-42	2001271	2017-09-05	2018-09-05
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2017-06-27	2018-06-27
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-02 1304	2017-06-16	2020-06-15
unknown	Coaxial Cable	8m	C0800/01	2017-09-05	2018-09-05
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A

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



## 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 Data

### Environmental Conditions

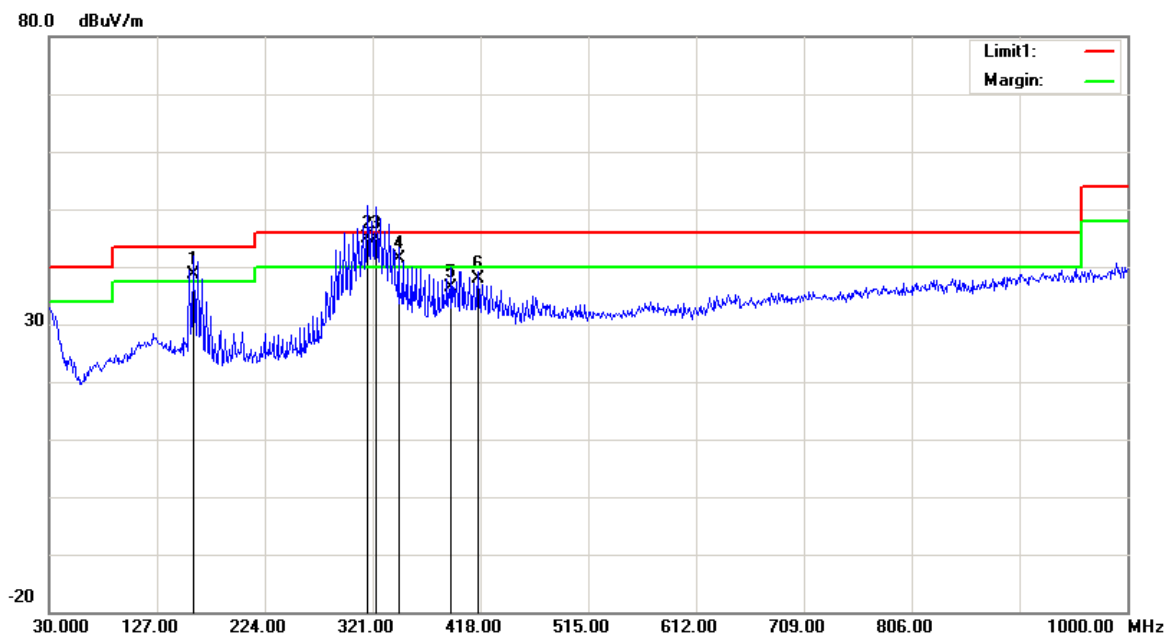
<b>Temperature:</b>	28.3~28.8°C
<b>Relative Humidity:</b>	41~43%
<b>ATM Pressure:</b>	100.6 kPa

\* The testing was performed by Blake Yang and Kakaxin Chen on 2017-09-28~2017-10-11.

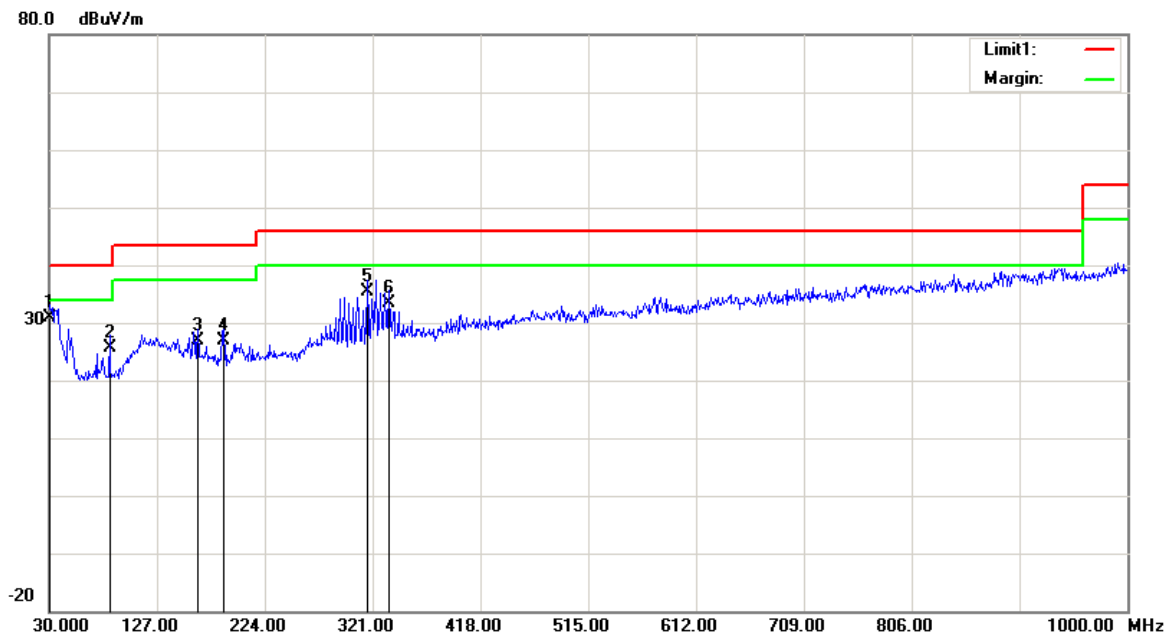
Test Mode: Transmitting

**1) 30MHz-1GHz(GFSK High channel was the worst)**

**Horizontal:**



Frequency (MHz)	Receiver Reading (dBμV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
159.9800	45.22	QP	-6.62	38.60	43.50	4.90
316.1500	49.04	QP	-4.24	44.80	46.00	1.20
323.9100	48.97	QP	-3.97	45.00	46.00	1.00
344.2800	44.66	QP	-3.36	41.30	46.00	4.70
391.8100	38.95	QP	-2.45	36.50	46.00	9.50
416.0600	39.85	QP	-2.05	37.80	46.00	8.20

**Vertical:**

Frequency (MHz)	Receiver Reading (dBμV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
30.9700	30.65	QP	0.35	31.00	40.00	9.00
84.3200	36.74	QP	-11.14	25.60	40.00	14.40
163.8600	33.69	QP	-6.89	26.80	43.50	16.70
187.1400	34.61	QP	-7.81	26.80	43.50	16.70
316.1500	39.54	QP	-4.24	35.30	46.00	10.70
335.5500	37.08	QP	-3.58	33.50	46.00	12.50

**1GHz-25GHz:***BDR Mode (GFSK):*

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB)					
Low Channel: 2402 MHz									
2402.00	68.93	PK	H	28.10	1.80	0.00	98.83	N/A	N/A
2402.00	56.31	AV	H	28.10	1.80	0.00	86.21	N/A	N/A
2402.00	65.11	PK	V	28.10	1.80	0.00	95.01	N/A	N/A
2402.00	54.15	AV	V	28.10	1.80	0.00	84.05	N/A	N/A
2390.00	26.21	PK	H	28.08	1.80	0.00	56.09	74.00	17.91
2390.00	14.54	AV	H	28.08	1.80	0.00	44.42	54.00	9.58
4804.00	56.39	PK	H	32.91	3.17	37.20	55.27	74.00	18.73
4804.00	45.64	AV	H	32.91	3.17	37.20	44.52	54.00	9.48
7206.00	46.54	PK	H	35.74	4.82	37.23	49.87	74.00	24.13
7206.00	35.71	AV	H	35.74	4.82	37.23	39.04	54.00	14.96
5231.00	45.32	PK	H	33.67	3.54	37.39	45.14	74.00	28.86
5231.00	34.61	AV	H	33.67	3.54	37.39	34.43	54.00	19.57
Middle Channel: 2441 MHz									
2441.00	69.76	PK	H	28.18	1.82	0.00	99.76	N/A	N/A
2441.00	57.23	AV	H	28.18	1.82	0.00	87.23	N/A	N/A
2441.00	66.55	PK	V	28.18	1.82	0.00	96.55	N/A	N/A
2441.00	54.57	AV	V	28.18	1.82	0.00	84.57	N/A	N/A
4882.00	57.87	PK	H	33.06	3.27	37.21	56.99	74.00	17.01
4882.00	45.64	AV	H	33.06	3.27	37.21	44.76	54.00	9.24
7323.00	46.52	PK	H	36.04	4.62	37.38	49.8	74.00	24.2
7323.00	35.24	AV	H	36.04	4.62	37.38	38.52	54.00	15.48
4685.00	45.26	PK	H	32.67	3.05	37.09	43.89	74.00	30.11
4685.00	34.56	AV	H	32.67	3.05	37.09	33.19	54.00	20.81
5921.00	45.25	PK	H	34.27	3.80	37.24	46.08	74.00	27.92
5921.00	34.56	AV	H	34.27	3.80	37.24	35.39	54.00	18.61
High Channel: 2480 MHz									
2480.00	70.64	PK	H	28.26	1.84	0.00	100.74	N/A	N/A
2480.00	59.54	AV	H	28.26	1.84	0.00	89.64	N/A	N/A
2480.00	68.76	PK	V	28.26	1.84	0.00	98.86	N/A	N/A
2480.00	56.74	AV	V	28.26	1.84	0.00	86.84	N/A	N/A
2483.50	27.56	PK	H	28.27	1.84	0.00	57.67	74.00	16.33
2483.50	15.42	AV	H	28.27	1.84	0.00	45.53	54.00	8.47
4960.00	59.17	PK	H	33.22	3.23	37.25	58.37	74.00	15.63
4960.00	48.54	AV	H	33.22	3.23	37.25	47.74	54.00	6.26
7440.00	46.23	PK	H	36.34	4.41	37.52	49.46	74.00	24.54
7440.00	35.2	AV	H	36.34	4.41	37.52	38.43	54.00	15.57
4855.00	45.26	PK	H	33.01	3.24	37.21	44.3	74.00	29.7
4855.00	34.45	AV	H	33.01	3.24	37.21	33.49	54.00	20.51

EDR Mode ( $\pi/4$ -DQPSK):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB)					
Low Channel: 2402 MHz									
2402.00	67.55	PK	H	28.10	1.80	0.00	97.45	N/A	N/A
2402.00	55.92	AV	H	28.10	1.80	0.00	85.82	N/A	N/A
2402.00	64.85	PK	V	28.10	1.80	0.00	94.75	N/A	N/A
2402.00	53.57	AV	V	28.10	1.80	0.00	83.47	N/A	N/A
2390.00	26.9	PK	H	28.08	1.80	0.00	56.78	74.00	17.22
2390.00	15.34	AV	H	28.08	1.80	0.00	45.22	54.00	8.78
4804.00	54.33	PK	H	32.91	3.17	37.20	53.21	74.00	20.79
4804.00	43.56	AV	H	32.91	3.17	37.20	42.44	54.00	11.56
7206.00	46.54	PK	H	35.74	4.82	37.23	49.87	74.00	24.13
7206.00	35.01	AV	H	35.74	4.82	37.23	38.34	54.00	15.66
5965.00	46.32	PK	H	34.29	3.82	37.29	47.14	74.00	26.86
5965.00	35.14	AV	H	34.29	3.82	37.29	35.96	54.00	18.04
Middle Channel: 2441 MHz									
2441.00	69.19	PK	H	28.18	1.82	0.00	99.19	N/A	N/A
2441.00	57.39	AV	H	28.18	1.82	0.00	87.39	N/A	N/A
2441.00	66.7	PK	V	28.18	1.82	0.00	96.7	N/A	N/A
2441.00	55.58	AV	V	28.18	1.82	0.00	85.58	N/A	N/A
4882.00	54.26	PK	H	33.06	3.27	37.21	53.38	74.00	20.62
4882.00	43.54	AV	H	33.06	3.27	37.21	42.66	54.00	11.34
7323.00	46.28	PK	H	36.04	4.62	37.38	49.56	74.00	24.44
7323.00	35.14	AV	H	36.04	4.62	37.38	38.42	54.00	15.58
4423.00	45.25	PK	H	32.32	2.88	37.03	43.42	74.00	30.58
4423.00	34.25	AV	H	32.32	2.88	37.03	32.42	54.00	21.58
5846.00	45.36	PK	H	34.24	3.75	37.25	46.1	74.00	27.9
5846.00	34.97	AV	H	34.24	3.75	37.25	35.71	54.00	18.29
High Channel: 2480 MHz									
2480.00	70.36	PK	H	28.26	1.84	0.00	100.46	N/A	N/A
2480.00	59.24	AV	H	28.26	1.84	0.00	89.34	N/A	N/A
2480.00	67.28	PK	V	28.26	1.84	0.00	97.38	N/A	N/A
2480.00	55.67	AV	V	28.26	1.84	0.00	85.77	N/A	N/A
2483.50	35.68	PK	H	28.27	1.84	0.00	65.79	74.00	8.21
2483.50	18.65	AV	H	28.27	1.84	0.00	48.76	54.00	5.24
4960.00	53.25	PK	H	33.22	3.23	37.25	52.45	74.00	21.55
4960.00	42.67	AV	H	33.22	3.23	37.25	41.87	54.00	12.13
7440.00	46.29	PK	H	36.34	4.41	37.52	49.52	74.00	24.48
7440.00	35.26	AV	H	36.34	4.41	37.52	38.49	54.00	15.51
4789.00	45.26	PK	H	32.88	3.15	37.19	44.1	74.00	29.9
4789.00	34.29	AV	H	32.88	3.15	37.19	33.13	54.00	20.87

EDR Mode (8-DPSK):

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB)					
Low Channel: 2402 MHz									
2402.00	67.97	PK	H	28.10	1.80	0.00	97.87	N/A	N/A
2402.00	56.79	AV	H	28.10	1.80	0.00	86.69	N/A	N/A
2402.00	66.2	PK	V	28.10	1.80	0.00	96.1	N/A	N/A
2402.00	55.34	AV	V	28.10	1.80	0.00	85.24	N/A	N/A
2390.00	27.03	PK	H	28.08	1.80	0.00	56.91	74.00	17.09
2390.00	15.64	AV	H	28.08	1.80	0.00	45.52	54.00	8.48
4804.00	55.73	PK	H	32.91	3.17	37.20	54.61	74.00	19.39
4804.00	44.34	AV	H	32.91	3.17	37.20	43.22	54.00	10.78
7206.00	46.58	PK	H	35.74	4.82	37.23	49.91	74.00	24.09
7206.00	35.29	AV	H	35.74	4.82	37.23	38.62	54.00	15.38
6287.00	45.96	PK	H	34.24	4.36	37.18	47.38	74.00	26.62
6287.00	34.62	AV	H	34.24	4.36	37.18	36.04	54.00	17.96
Middle Channel: 2441 MHz									
2441.00	69.12	PK	H	28.18	1.82	0.00	99.12	N/A	N/A
2441.00	57.62	AV	H	28.18	1.82	0.00	87.62	N/A	N/A
2441.00	67.14	PK	V	28.18	1.82	0.00	97.14	N/A	N/A
2441.00	56.27	AV	V	28.18	1.82	0.00	86.27	N/A	N/A
4882.00	53.88	PK	H	33.06	3.27	37.21	53	74.00	21
4882.00	42.64	AV	H	33.06	3.27	37.21	41.76	54.00	12.24
7323.00	46.57	PK	H	36.04	4.62	37.38	49.85	74.00	24.15
7323.00	35.61	AV	H	36.04	4.62	37.38	38.89	54.00	15.11
5789.00	46.32	PK	H	34.22	3.71	37.29	46.96	74.00	27.04
5789.00	35.74	AV	H	34.22	3.71	37.29	36.38	54.00	17.62
6354.00	45.62	PK	H	34.23	4.48	37.15	47.18	74.00	26.82
6354.00	34.29	AV	H	34.23	4.48	37.15	35.85	54.00	18.15
High Channel: 2480 MHz									
2480.00	70.22	PK	H	28.26	1.84	0.00	100.32	N/A	N/A
2480.00	59.34	AV	H	28.26	1.84	0.00	89.44	N/A	N/A
2480.00	69.51	PK	V	28.26	1.84	0.00	99.61	N/A	N/A
2480.00	59.31	AV	V	28.26	1.84	0.00	89.41	N/A	N/A
2483.50	35.32	PK	H	28.27	1.84	0.00	65.43	74.00	8.57
2483.50	17.24	AV	H	28.27	1.84	0.00	47.35	54.00	6.65
4960.00	57.8	PK	H	33.22	3.23	37.25	57	74.00	17
4960.00	46.2	AV	H	33.22	3.23	37.25	45.4	54.00	8.6
7440.00	46.57	PK	H	36.34	4.41	37.52	49.8	74.00	24.2
7440.00	34.25	AV	H	36.34	4.41	37.52	37.48	54.00	16.52
6235.00	46.75	PK	H	34.25	4.26	37.21	48.05	74.00	25.95
6235.00	46.28	AV	H	34.25	4.26	37.21	47.58	54.00	6.42

**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 20dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.50 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater provided the systems operate with an output power no greater than 125 mW.

**Test Equipment List and Details**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESPI	100120	2016-12-08	2017-12-08
Unknown	RF Cable	Unknown	C-2	Each Time	/

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

**Test Procedure**

1. Set the EUT in transmitting mode, spectrum Bandwidth was set at 30 kHz, maxhold the channel.
2. Set the adjacent channel of the EUT maxhold another trace.
3. Measure the channel separation.

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

Temperature:	27.8 °C
Relative Humidity:	47 %
ATM Pressure:	100.8 kPa

\* The testing was performed by Swim Lv on 2017-09-30.

**Test Result:** Compliance.

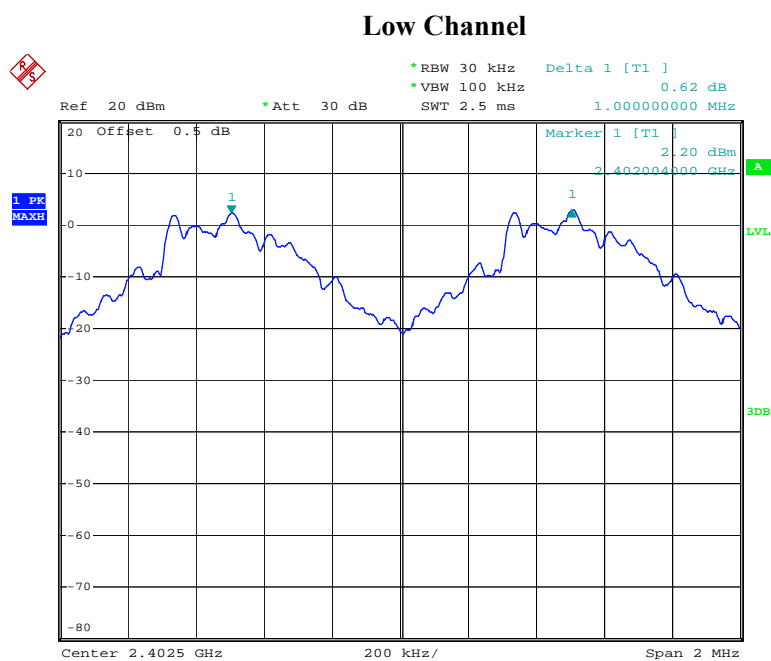
Please refer to following tables and plots

Test Mode: Transmitting

Mode	Channel	Frequency (MHz)	Channel Separation (MHz)	Limit (MHz)
BDR (GFSK)	Low	2402	1.000	0.58
	Middle	2441	1.004	0.57
	High	2480	1.004	0.56
EDR ( $\pi/4$ -DQPSK)	Low	2402	1.000	0.81
	Middle	2441	1.004	0.82
	High	2480	0.996	0.82
EDR (8DPSK)	Low	2402	1.004	0.81
	Middle	2441	1.004	0.81
	High	2480	1.000	0.81

Note: Limit=  $(2/3) \times 20\text{dB}$  bandwidth

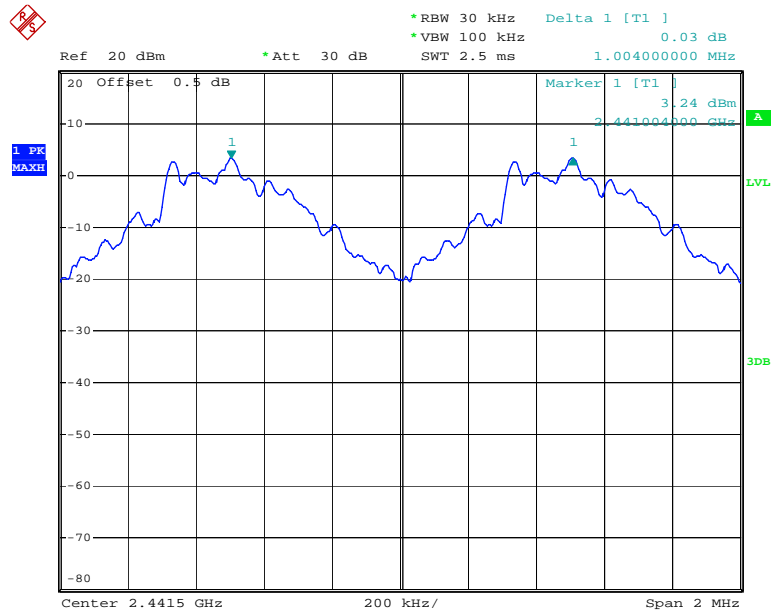
BDR Mode (GFSK):



Date: 30.SEP.2017 17:27:26

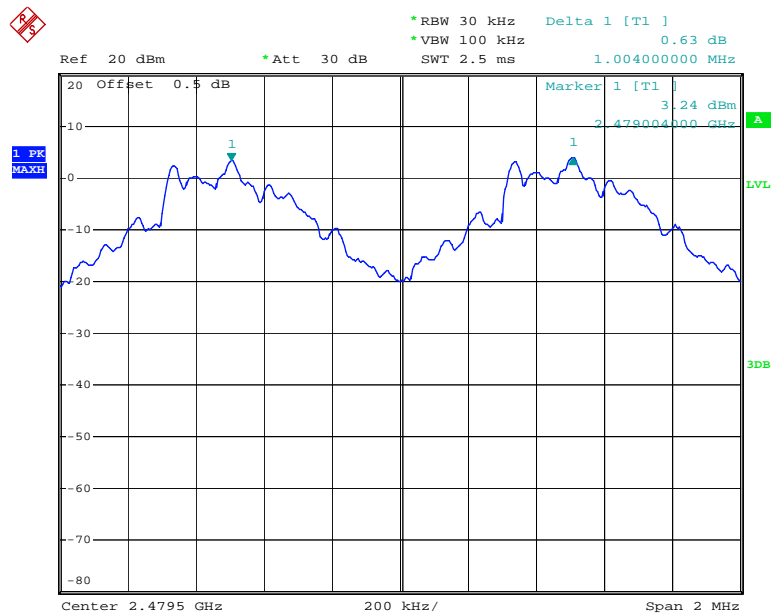


### Middle Channel



Date: 30.SEP.2017 17:26:30

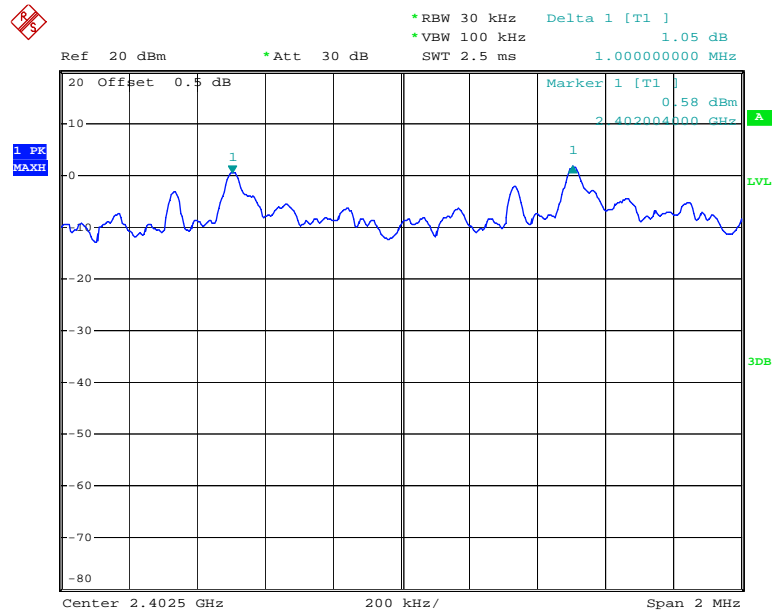
### High Channel



Date: 30.SEP.2017 17:25:22

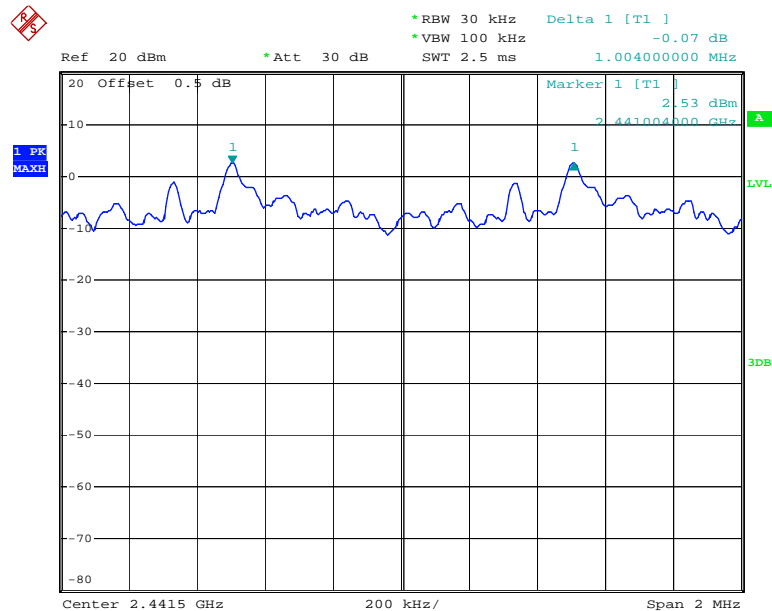
EDR Mode ( $\pi/4$ -DQPSK):

### Low Channel

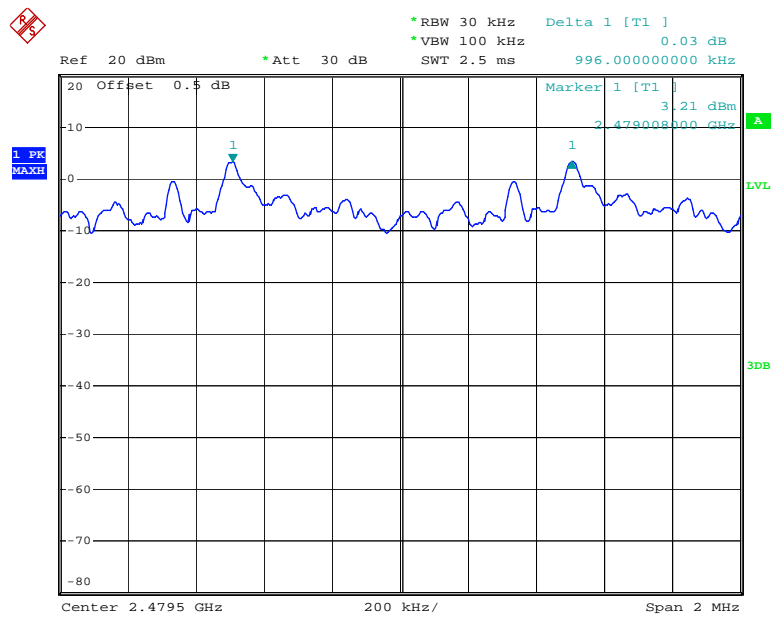


Date: 30.SEP.2017 17:22:55

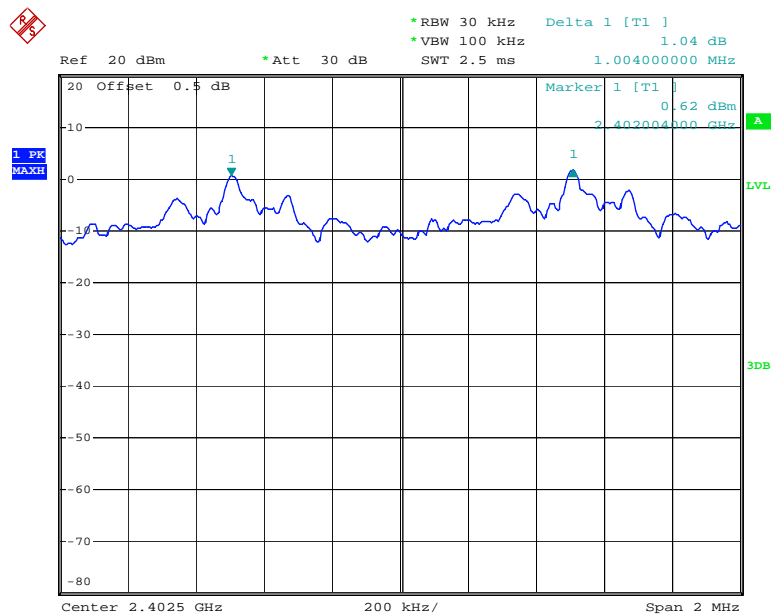
### Middle Channel



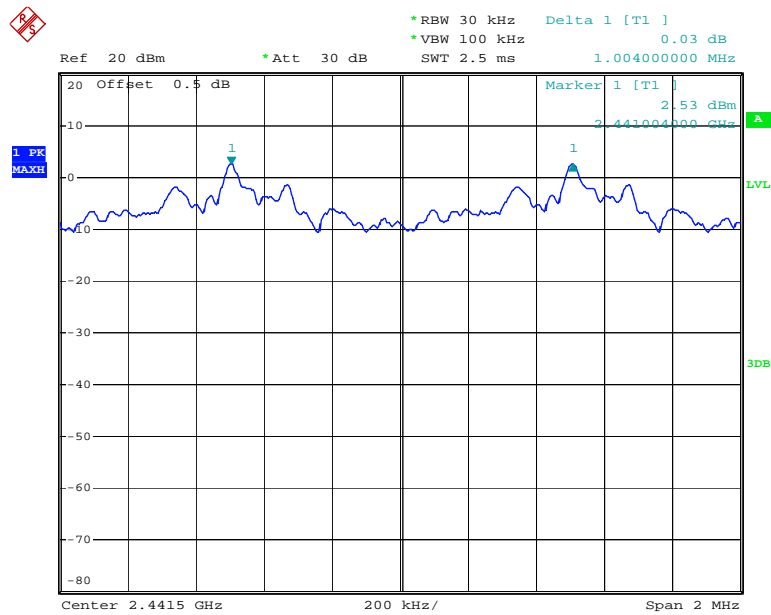
Date: 30.SEP.2017 17:23:42

**High Channel**

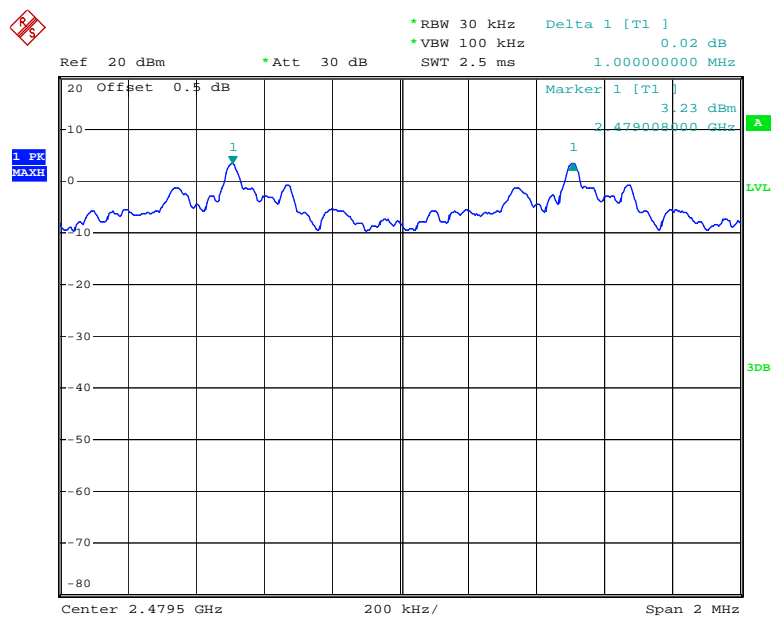
Date: 30.SEP.2017 17:24:24

*EDR Mode (8-DPSK):***Low Channel**

Date: 30.SEP.2017 17:20:13

**Middle Channel**

Date: 30.SEP.2017 17:20:59

**High Channel**

Date: 30.SEP.2017 17:19:15

## FCC §15.247(a) (1) – 20 dB BANDWIDTH TESTING

### 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 on the test table without connection to measurement instrument. Turn on the EUT. 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
R&S	EMI Test Receiver	ESPI	100120	2016-12-08	2017-12-08
Unknown	RF Cable	Unknown	C-2	Each Time	/

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

### Test Data

#### Environmental Conditions

Temperature:	27.8°C
Relative Humidity:	47 %
ATM Pressure:	100.8 kPa

\* The testing was performed by Swim Lv on 2017-09-30.

**Test Result:** Compliance.

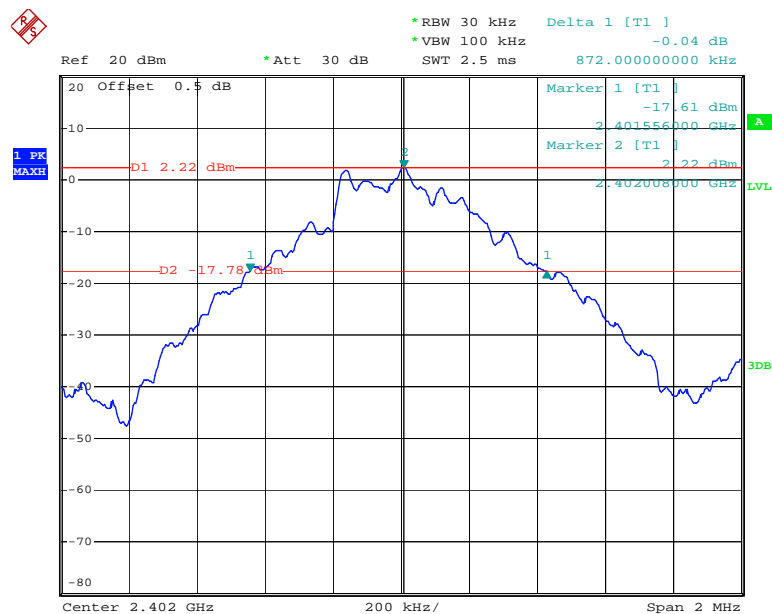
Please refer to following tables and plots

Test Mode: Transmitting

Mode	Channel	Frequency (MHz)	20 dB Bandwidth (MHz)
BDR Mode (GFSK)	Low	2402	0.87
	Middle	2441	0.86
	High	2480	0.84
EDR Mode ( $\pi/4$ -DQPSK)	Low	2402	1.22
	Middle	2441	1.23
	High	2480	1.23
EDR Mode (8-DPSK)	Low	2402	1.21
	Middle	2441	1.22
	High	2480	1.22

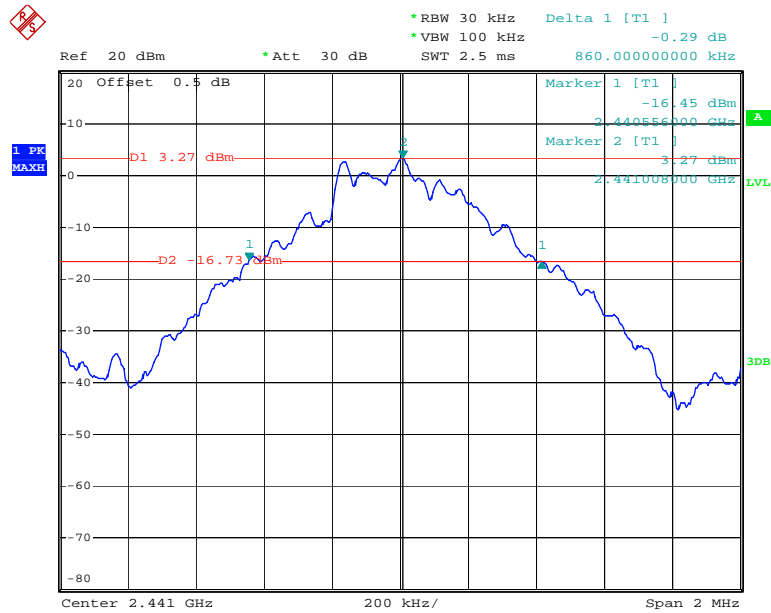
BDR Mode (GFSK):

### Low Channel



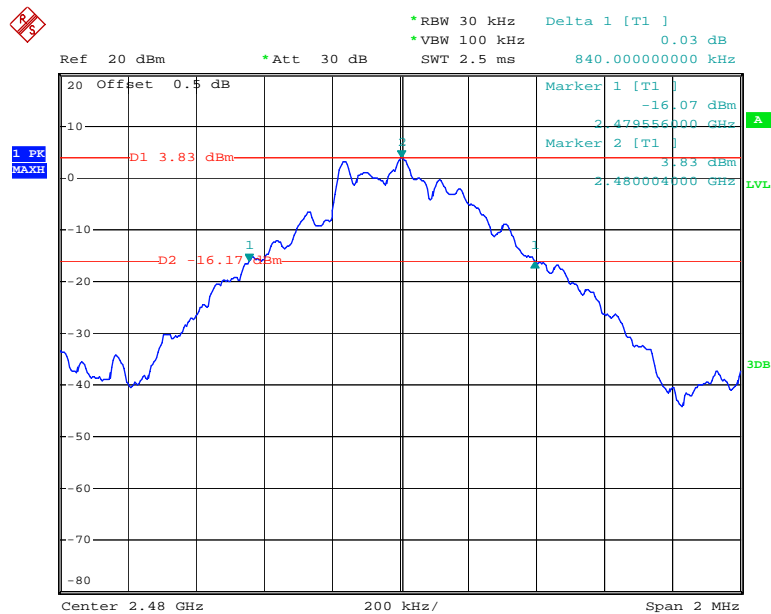
Date: 30.SEP.2017 17:02:26

## Middle Channel



Date: 30.SEP.2017 17:03:55

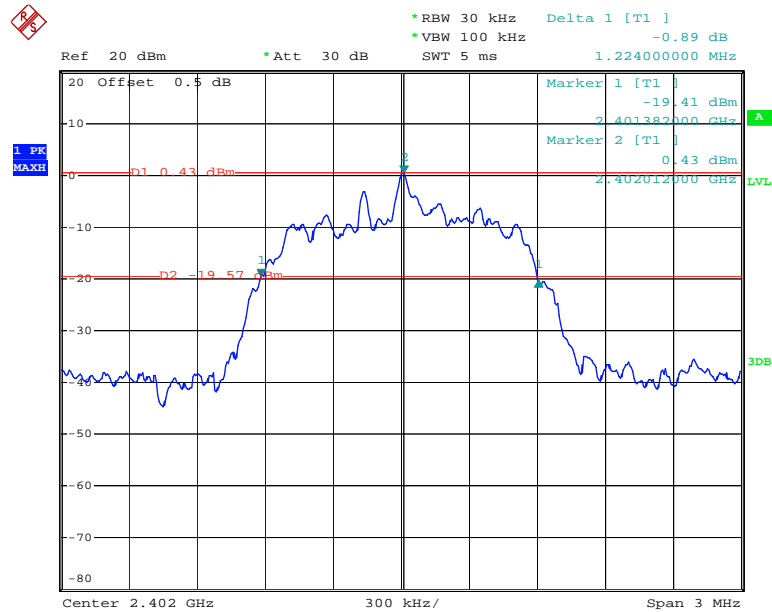
## High Channel



Date: 30.SEP.2017 17:04:55

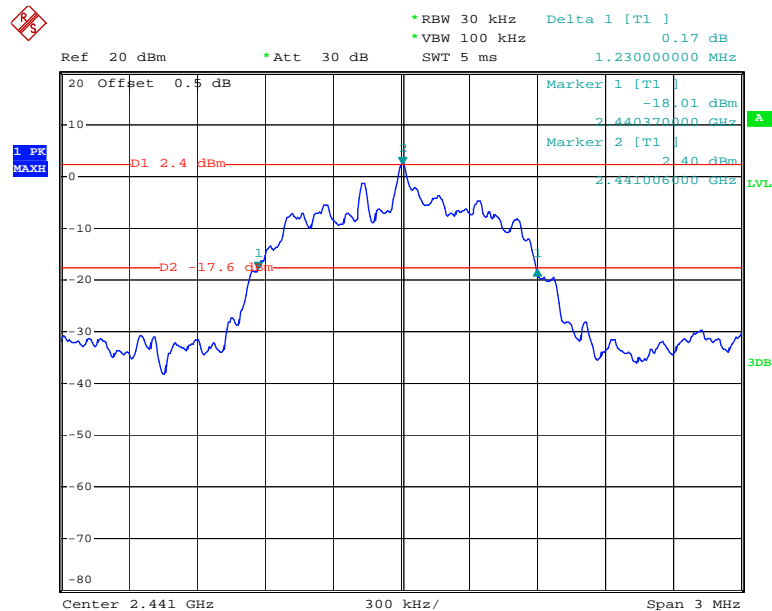
EDR Mode ( $\pi/4$ -DQPSK):

### Low Channel



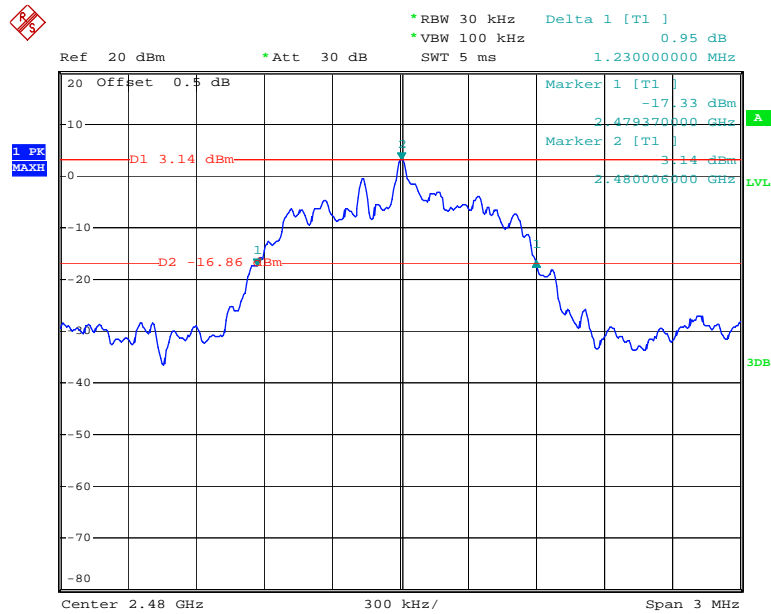
Date: 30.SEP.2017 17:09:36

### Middle Channel

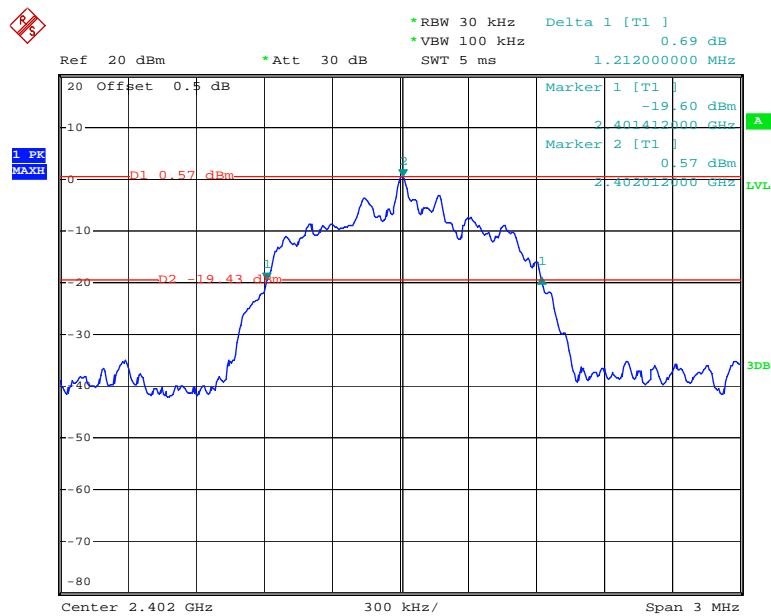


Date: 30.SEP.2017 17:08:39



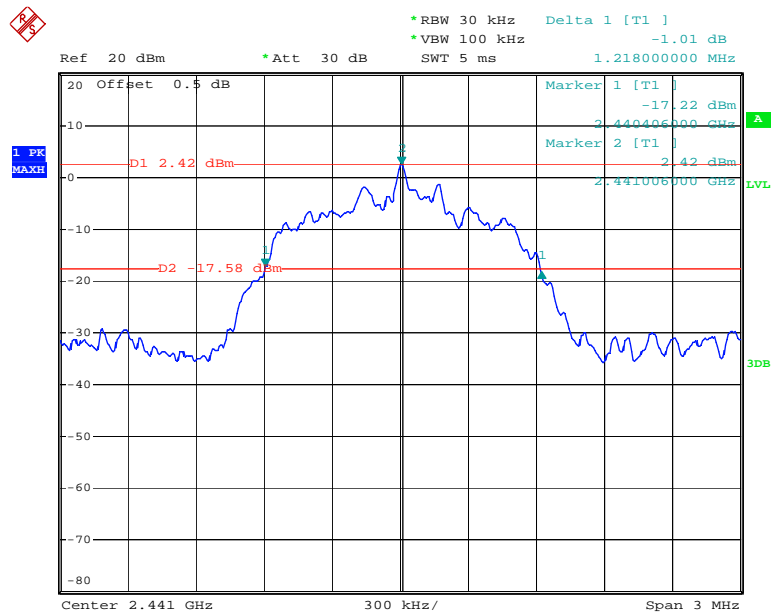
**High Channel**

Date: 30.SEP.2017 17:06:50

*EDR Mode (8-DPSK):***Low Channel**

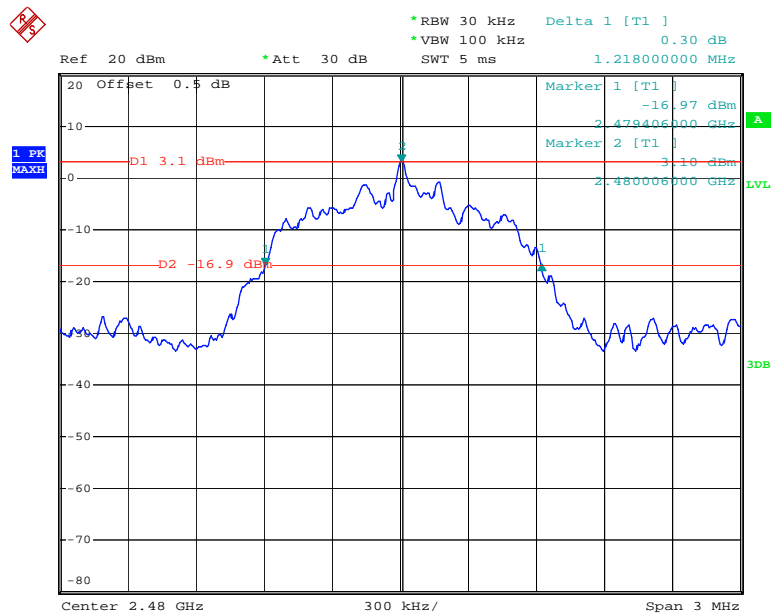
Date: 30.SEP.2017 17:12:19

## Middle Channel



Date: 30.SEP.2017 17:13:43

## High Channel



Date: 30.SEP.2017 17:14:44

**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
R&S	EMI Test Receiver	ESPI	100120	2016-12-08	2017-12-08
Unknown	RF Cable	Unknown	C-2	Each Time	/

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

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

Temperature:	27.8 °C
Relative Humidity:	47 %
ATM Pressure:	100.8 kPa

\* The testing was performed by Swim Lv on 2017-09-30.

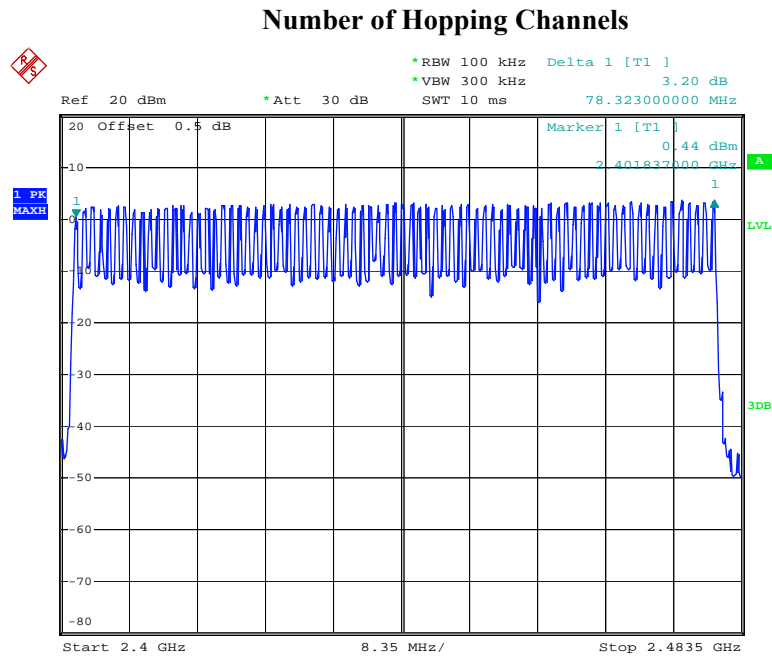
**Test Result:** Compliance.

Please refer to following tables and plots

Test Mode: Transmitting

BDR Mode (GFSK):

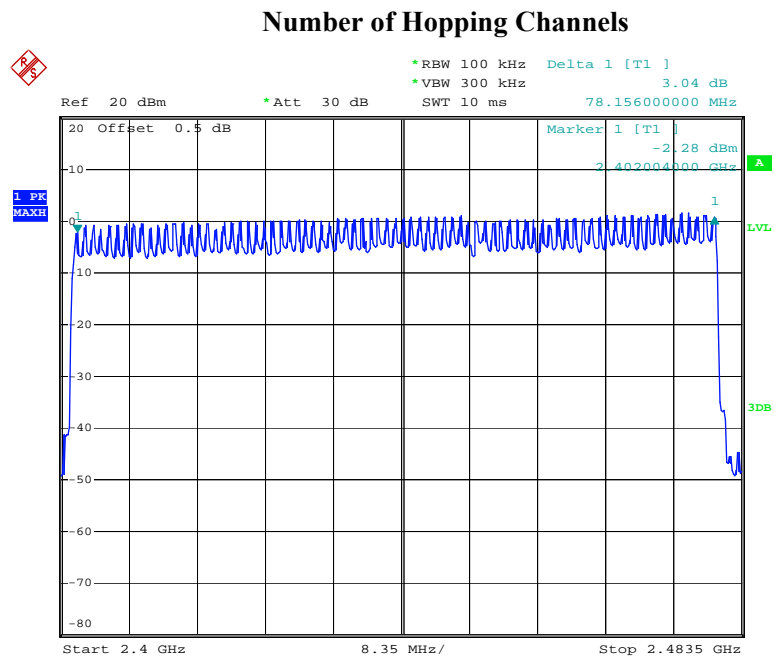
Frequency Range (MHz)	Number of Hopping Channel	Limit
2400-2483.5	79	≥15



Date: 30.SEP.2017 17:34:00

EDR Mode ( $\pi/4$ -DQPSK):

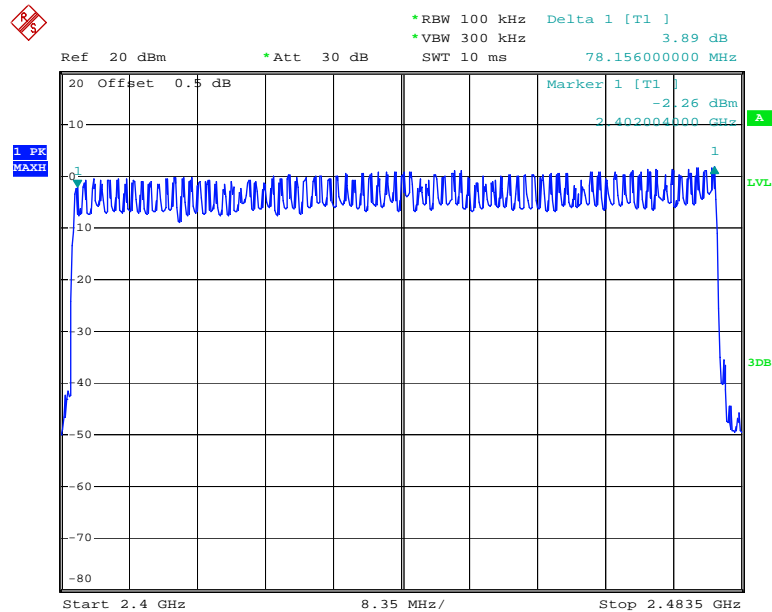
Frequency Range (MHz)	Number of Hopping Channel	Limit
2400-2483.5	79	$\geq 15$



Date: 30.SEP.2017 17:38:47

*EDR Mode (8-DPSK):*

Frequency Range (MHz)	Number of Hopping Channel	Limit
2400-2483.5	79	≥15

**Number of Hopping Channels**

Date: 30.SEP.2017 17:41:56

**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; the time of single pulses was tested.

**Test Equipment List and Details**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESPI	100120	2016-12-08	2017-12-08
Unknown	RF Cable	Unknown	C-2	Each Time	/

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

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

Temperature:	27.8°C
Relative Humidity:	47 %
ATM Pressure:	100.8 kPa

\* The testing was performed by Swim Lv on 2017-09-30.

**Test Result:** Compliance.

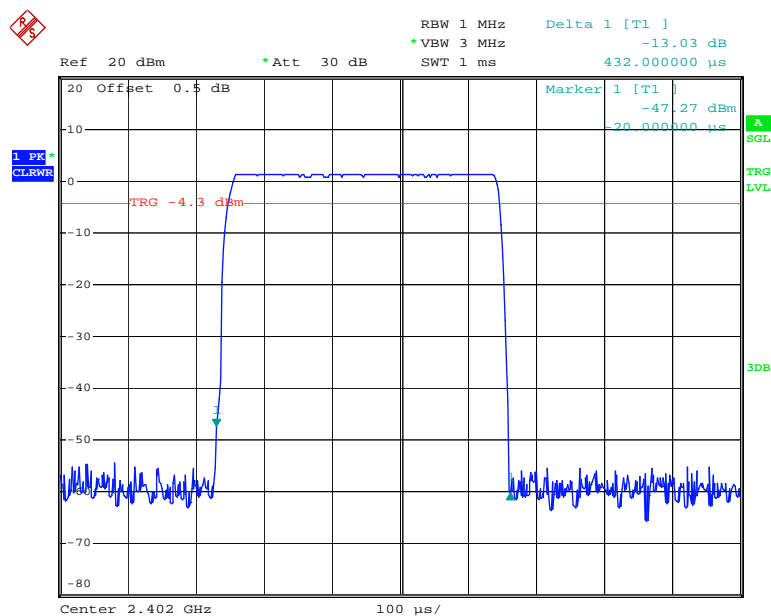
Please refer to following tables and plots

Test Mode: Transmitting

BDR Mode (GFSK):

Mode	Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
<b>DH1</b>	Low	0.432	0.14	0.4	Compliance
	Middle	0.442	0.14	0.4	Compliance
	High	0.434	0.14	0.4	Compliance
	Note: Dwell time=Pulse time (ms) × (1600/2/79) × 31.6 s				
<b>DH3</b>	Low	1.698	0.27	0.4	Compliance
	Middle	1.714	0.27	0.4	Compliance
	High	1.714	0.27	0.4	Compliance
	Note: Dwell time=Pulse time (ms) × (1600/4/79) × 31.6 s				
<b>DH5</b>	Low	2.964	0.32	0.4	Compliance
	Middle	2.954	0.32	0.4	Compliance
	High	2.950	0.31	0.4	Compliance
	Note: Dwell time=Pulse time (ms) × (1600/6/79) × 31.6 s				

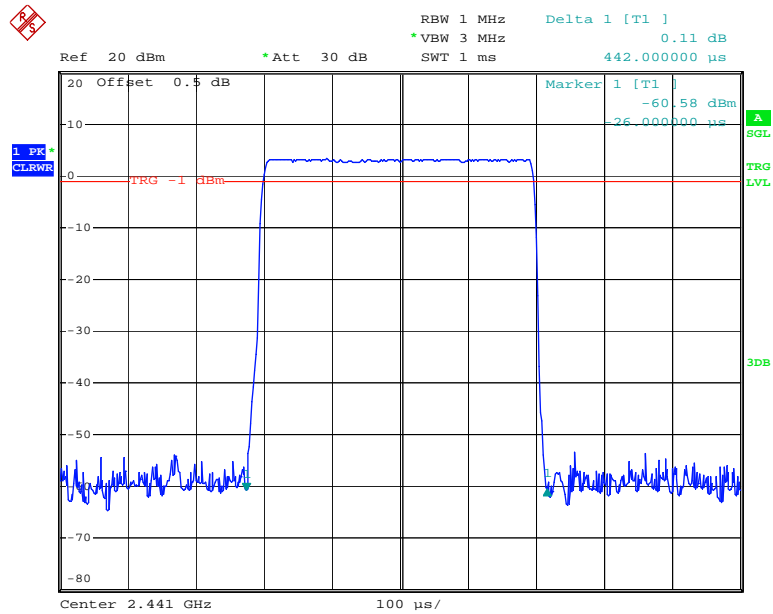
### DH1: Low Channel



Date: 30.SEP.2017 17:44:52

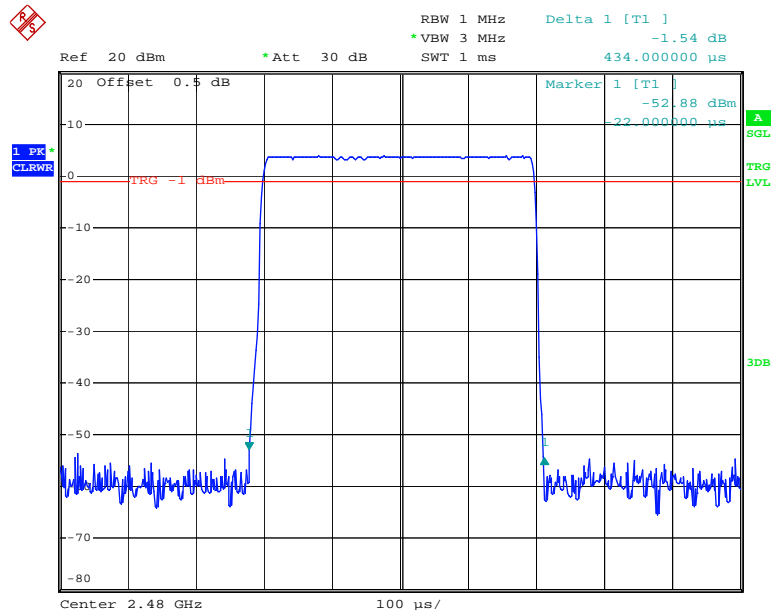


### DH1: Middle Channel



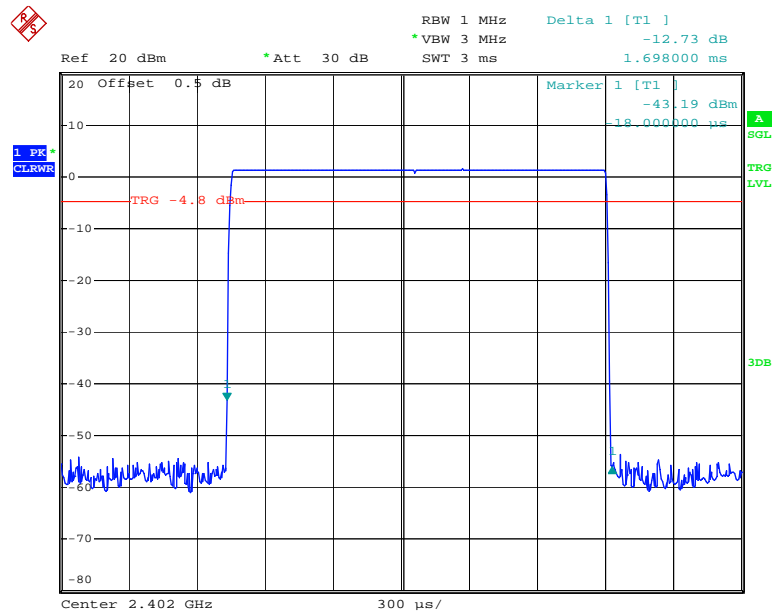
Date: 30.SEP.2017 18:28:12

### DH1: High Channel



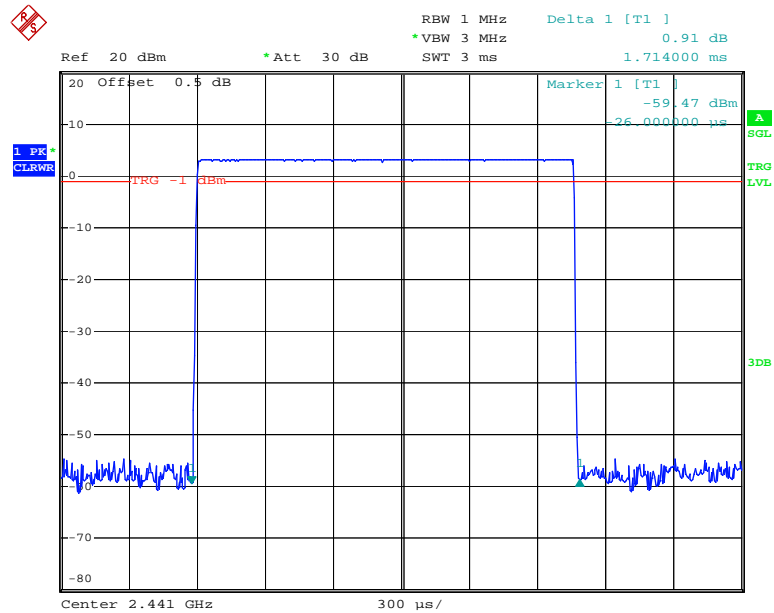
Date: 30.SEP.2017 18:27:41

### DH3: Low Channel



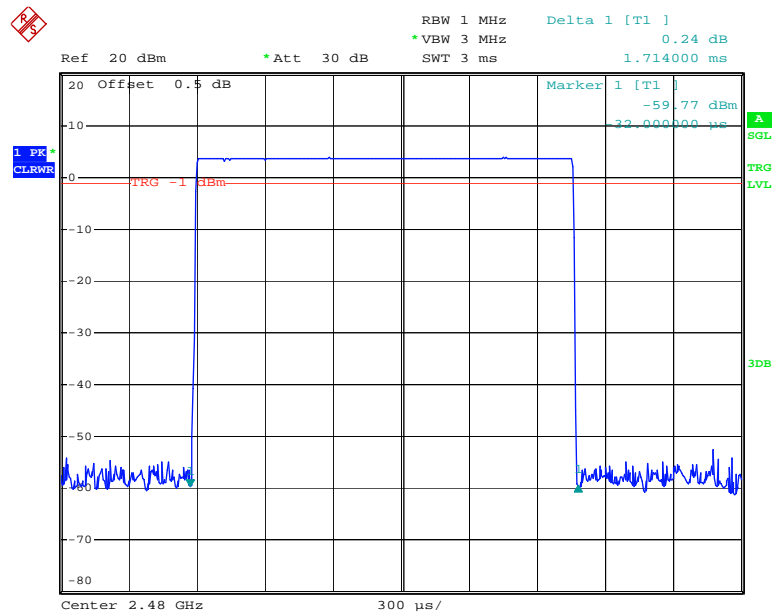
Date: 30.SEP.2017 17:45:57

### DH3: Middle Channel



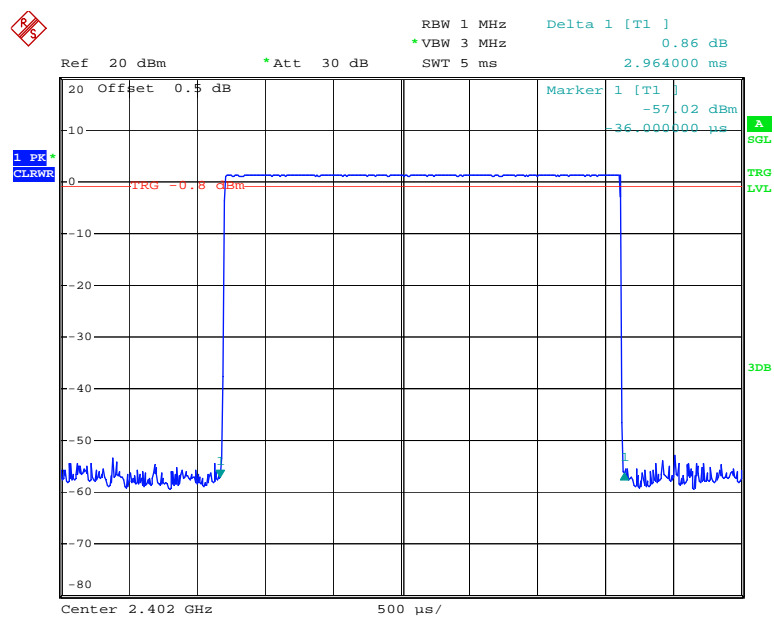
Date: 30.SEP.2017 18:29:51

### DH3: High Channel



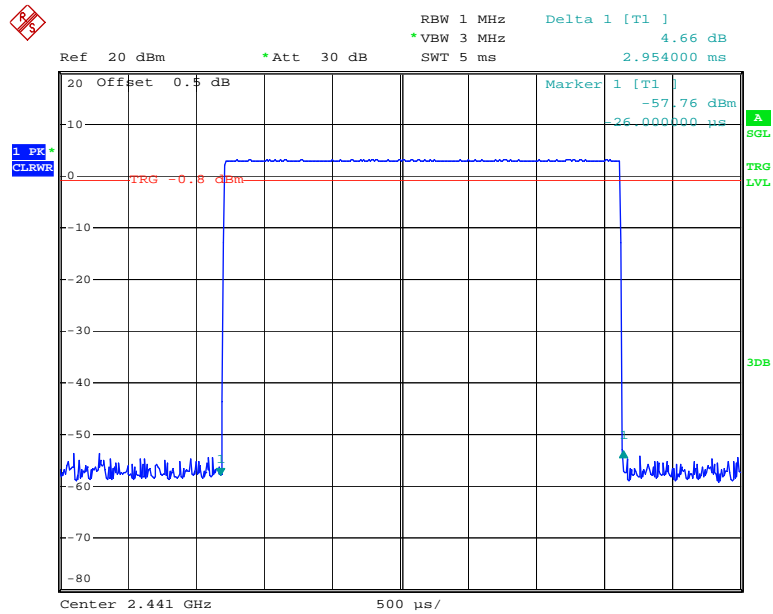
Date: 30.SEP.2017 18:29:28

### DH5: Low Channel



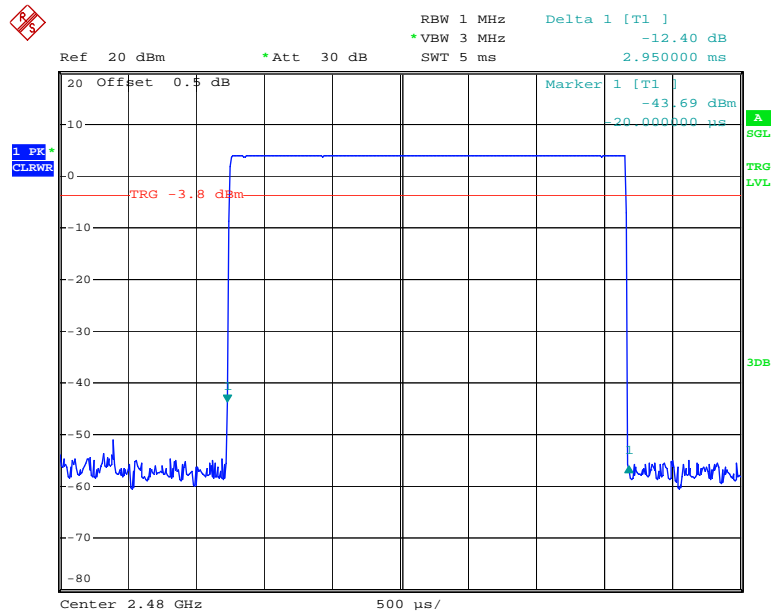
Date: 30.SEP.2017 18:31:42

### DH5: Middle Channel



Date: 30.SEP.2017 18:32:01

### DH5: High Channel

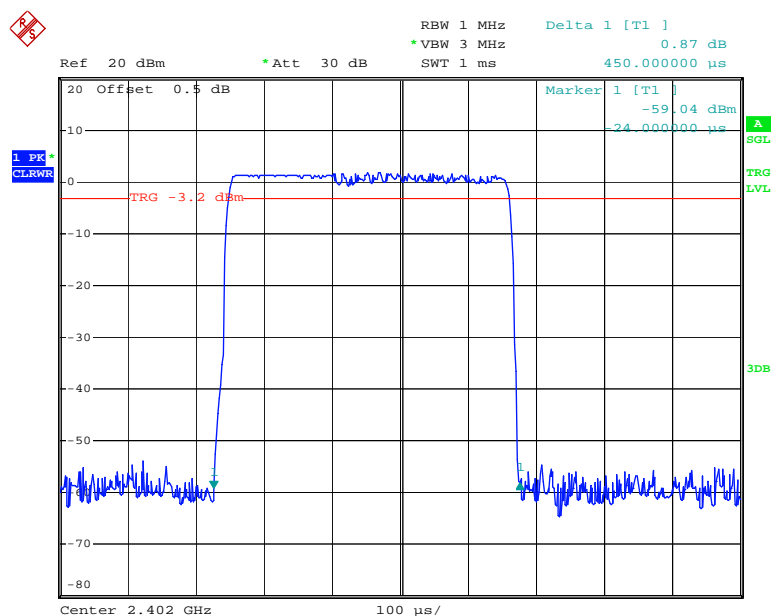


Date: 30.SEP.2017 17:47:07

EDR Mode ( $\pi/4$ -DQPSK):

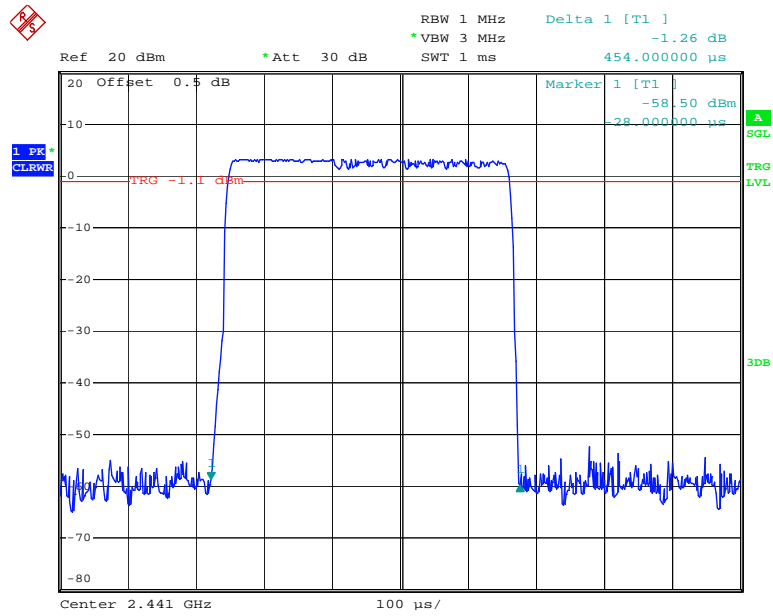
Mode	Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
2DH1	Low	0.450	0.14	0.4	Compliance
	Middle	0.454	0.15	0.4	Compliance
	High	0.442	0.14	0.4	Compliance
	Note: Dwell time=Pulse time (ms) $\times$ (1600/2/79) $\times$ 31.6 s				
2DH3	Low	1.714	0.27	0.4	Compliance
	Middle	1.714	0.27	0.4	Compliance
	High	1.714	0.27	0.4	Compliance
	Note: Dwell time=Pulse time (ms) $\times$ (1600/4/79) $\times$ 31.6 s				
2DH5	Low	2.964	0.32	0.4	Compliance
	Middle	2.964	0.32	0.4	Compliance
	High	2.974	0.32	0.4	Compliance
	Note: Dwell time=Pulse time (ms) $\times$ (1600/6/79) $\times$ 31.6 s				

## 2DH1: Low Channel



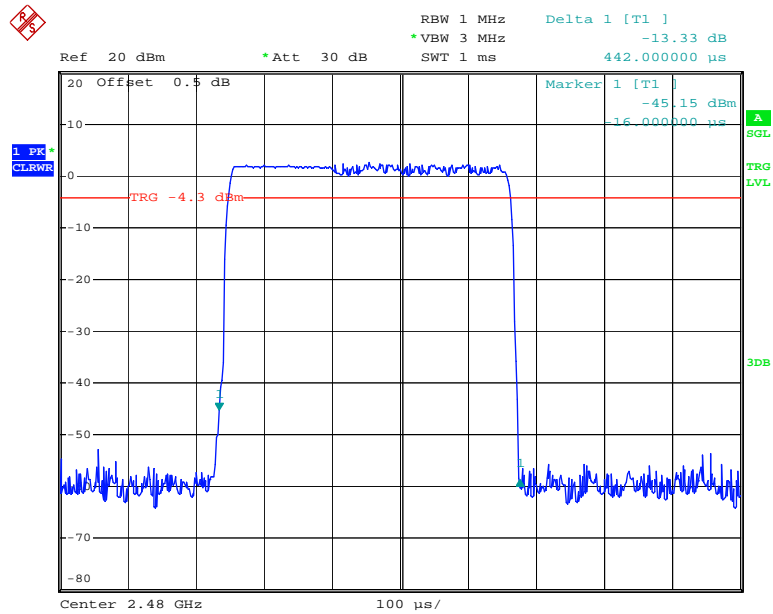
Date: 30.SEP.2017 18:34:02

### 2DH1: Middle Channel



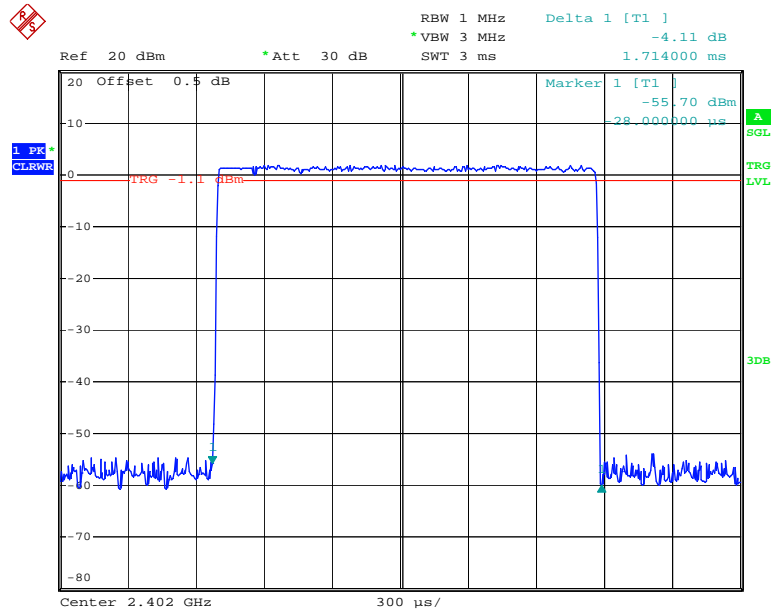
Date: 30.SEP.2017 18:34:33

### 2DH1: High Channel



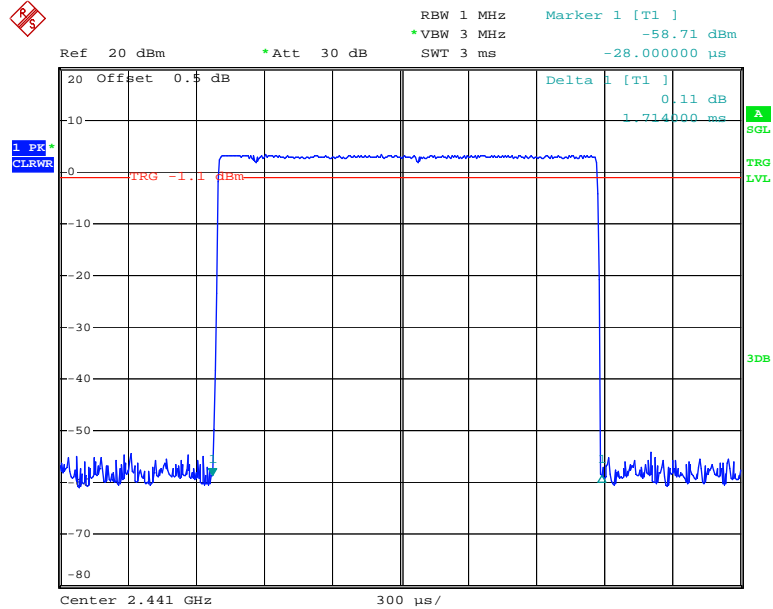
Date: 30.SEP.2017 17:51:29

### 2DH3: Low Channel



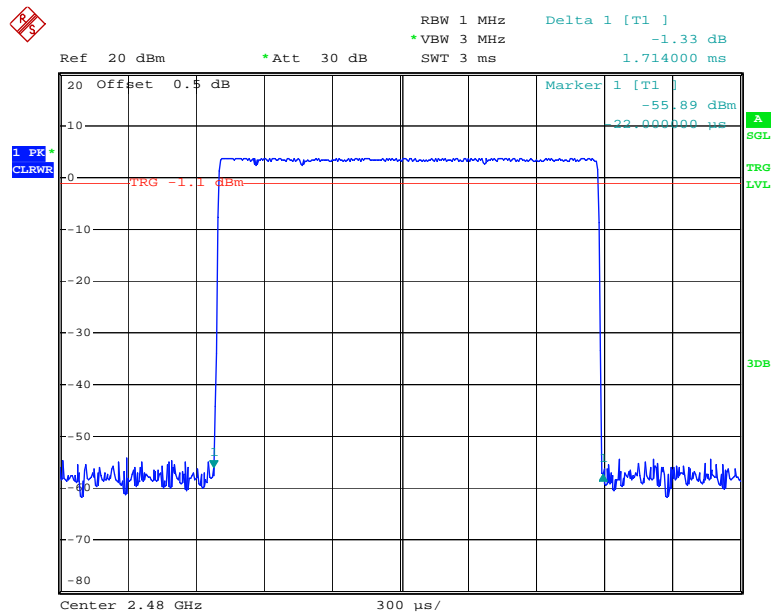
Date: 30.SEP.2017 18:36:04

### 2DH3: Middle Channel



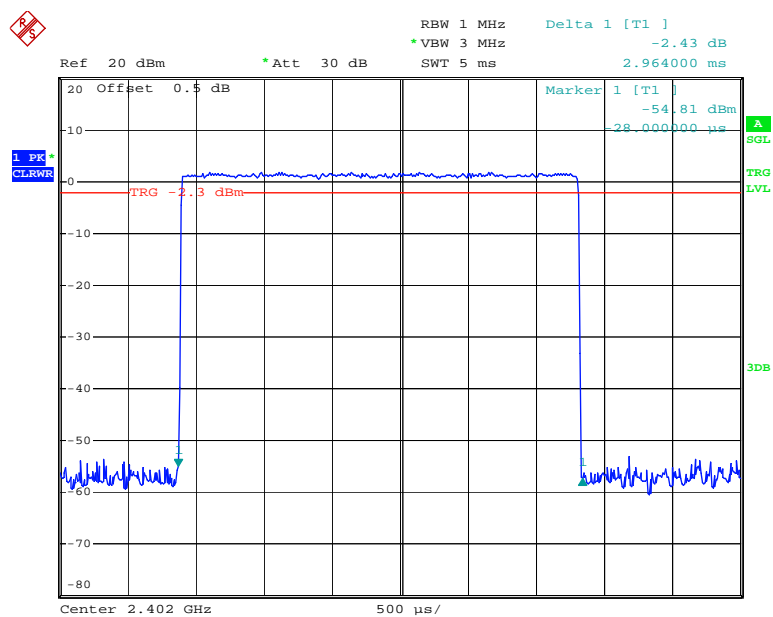
Date: 30.SEP.2017 18:36:39

### 2DH3: High Channel



Date: 30.SEP.2017 18:35:39

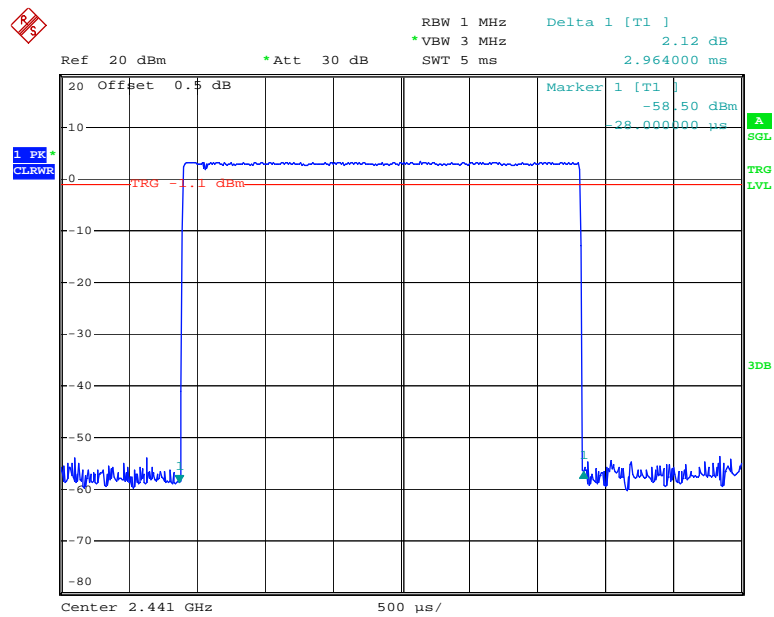
### 2DH5: Low Channel



Date: 30.SEP.2017 18:38:54

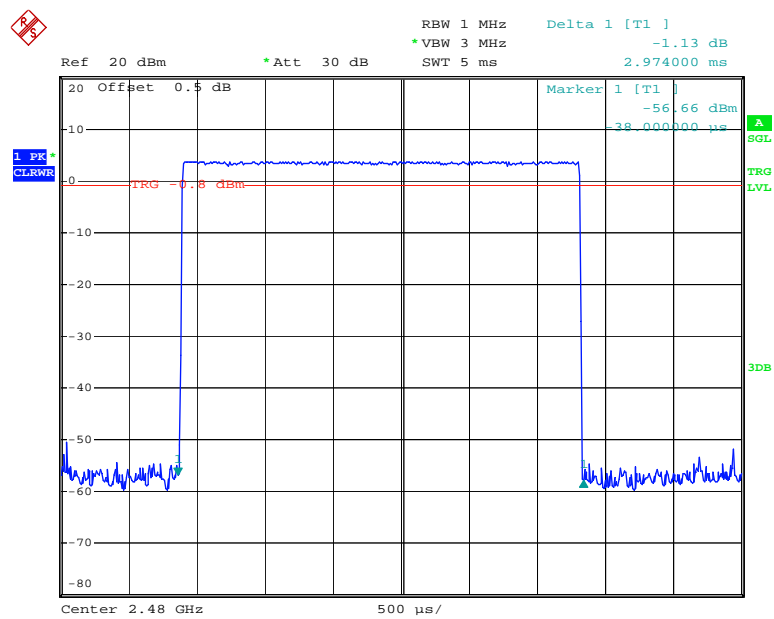


## 2DH5: Middle Channel



Date: 30.SEP.2017 18:37:33

## 2DH5: High Channel

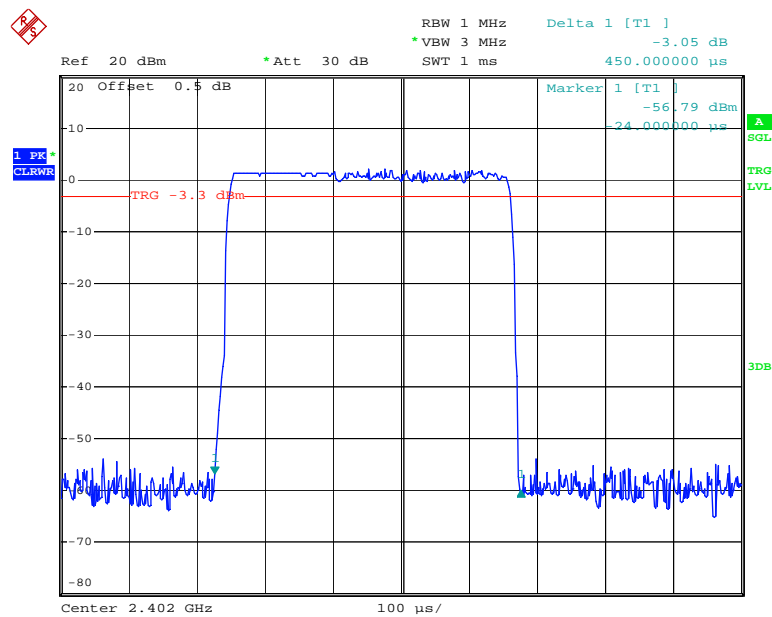


Date: 30.SEP.2017 18:38:18

EDR Mode (8-DPSK):

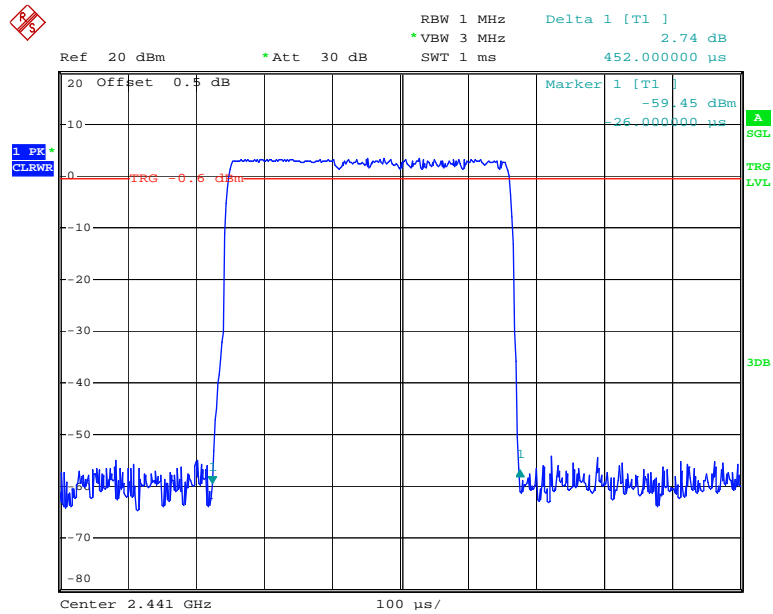
Mode	Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
<b>3DH1</b>	Low	0.450	0.14	0.4	Compliance
	Middle	0.452	0.14	0.4	Compliance
	High	0.442	0.14	0.4	Compliance
	Note: Dwell time=Pulse time (ms) $\times$ (1600/2/79) $\times$ 31.6 s				
<b>3DH3</b>	Low	1.710	0.27	0.4	Compliance
	Middle	1.716	0.27	0.4	Compliance
	High	1.716	0.27	0.4	Compliance
	Note: Dwell time=Pulse time (ms) $\times$ (1600/4/79) $\times$ 31.6 s				
<b>3DH5</b>	Low	2.966	0.32	0.4	Compliance
	Middle	2.976	0.32	0.4	Compliance
	High	2.976	0.32	0.4	Compliance
	Note: Dwell time=Pulse time (ms) $\times$ (1600/6/79) $\times$ 31.6 s				

### 3DH1: Low Channel



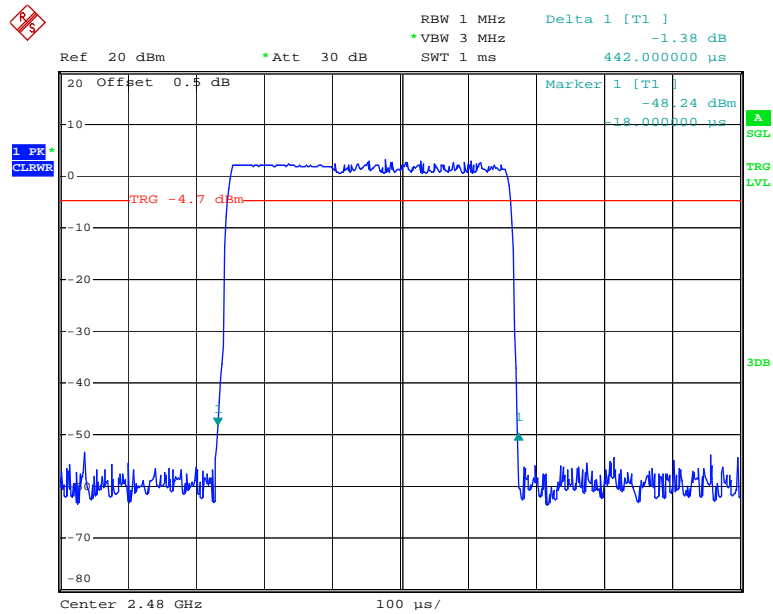
Date: 30.SEP.2017 18:18:00

### 3DH1: Middle Channel



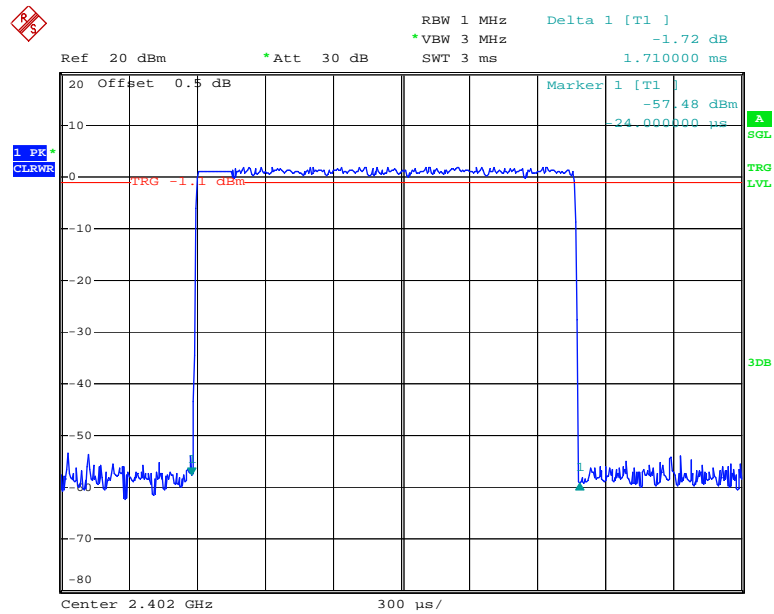
Date: 30.SEP.2017 18:19:00

### 3DH1: High Channel



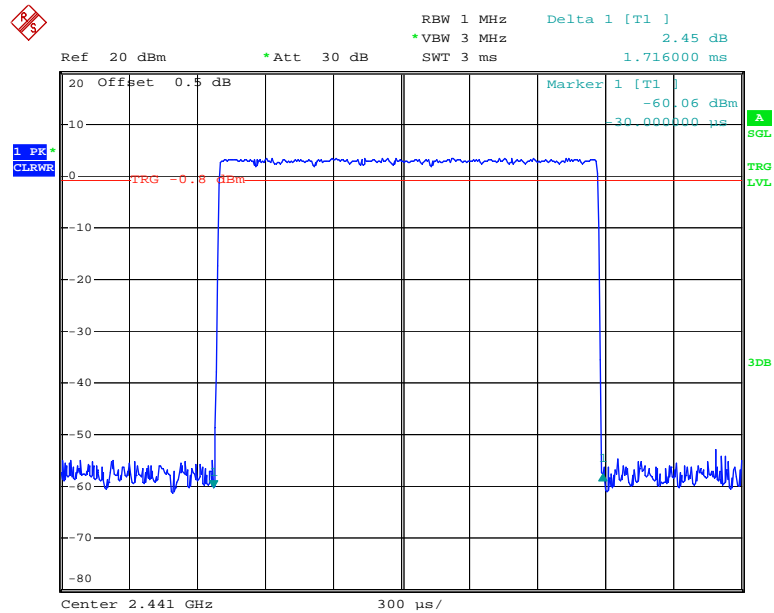
Date: 30.SEP.2017 17:55:09

### 3DH3: Low Channel



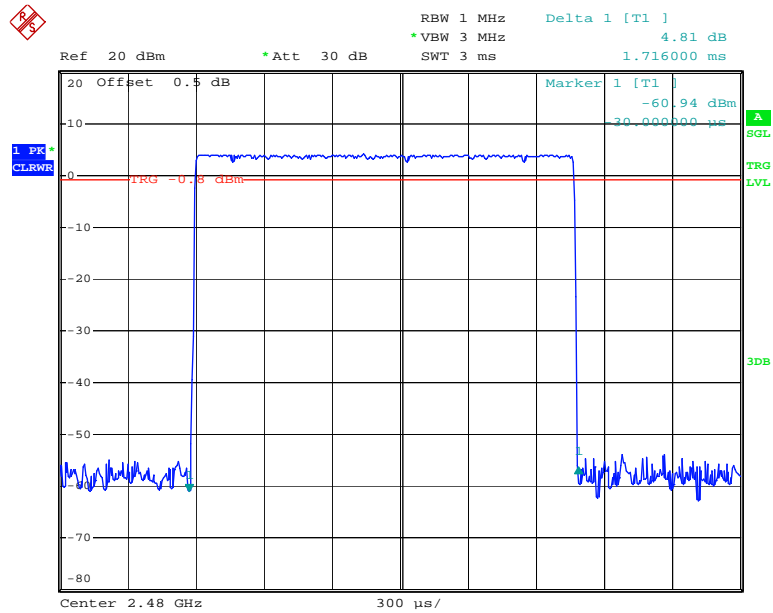
Date: 30.SEP.2017 18:21:41

### 3DH3: Middle Channel



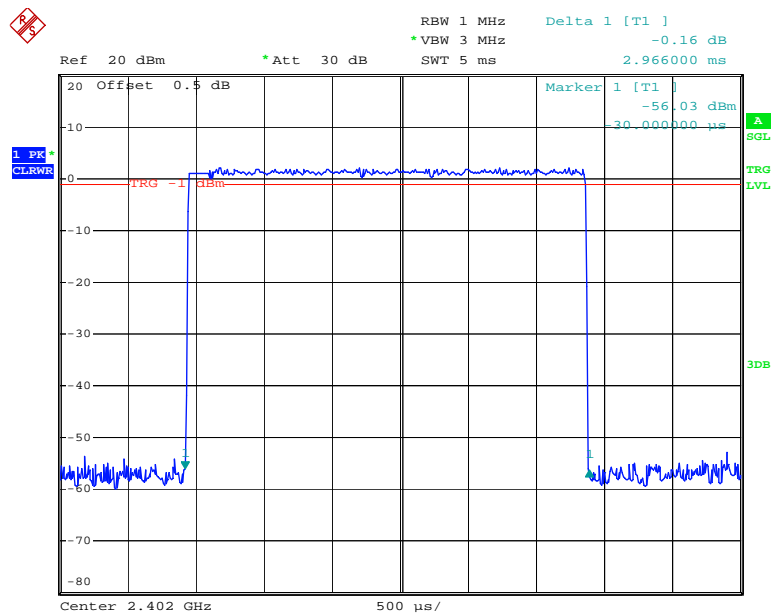
Date: 30.SEP.2017 18:23:03

### 3DH3: High Channel



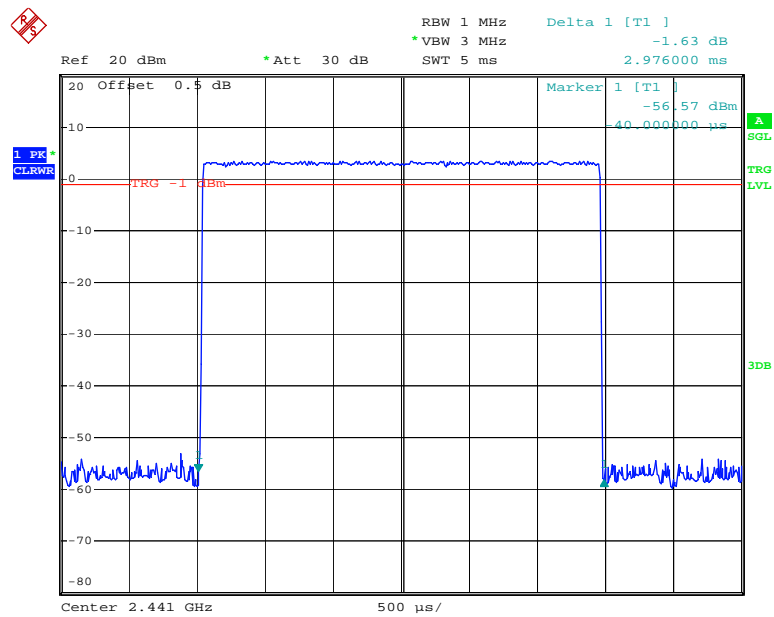
Date: 30.SEP.2017 18:22:20

### 3DH5: Low Channel



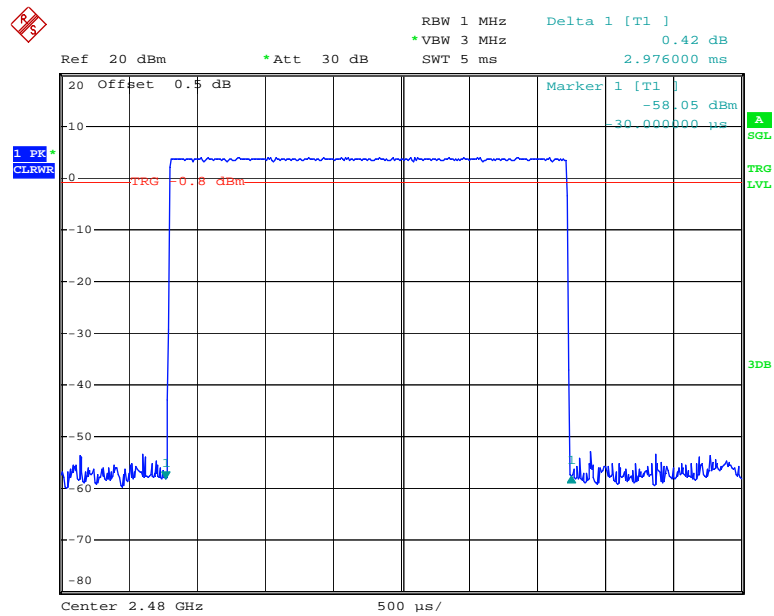
Date: 30.SEP.2017 18:25:06

### 3DH5: Middle Channel



Date: 30.SEP.2017 18:26:04

### 3DH5: High Channel



Date: 30.SEP.2017 18:23:55

**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. 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
R&S	EMI Test Receiver	ESPI	100120	2016-12-08	2017-12-08
Unknown	RF Cable	Unknown	C-2	Each Time	/

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

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

Temperature:	27.8 °C
Relative Humidity:	47 %
ATM Pressure:	100.8 kPa

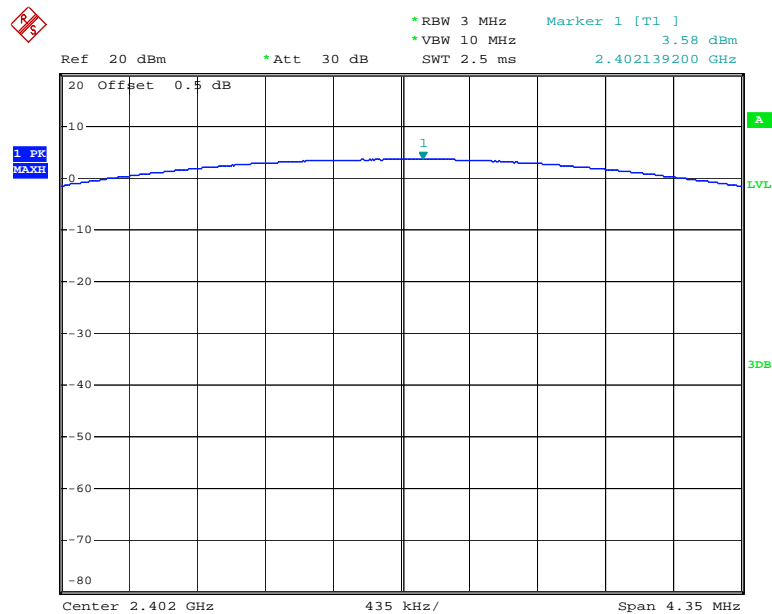
\* The testing was performed by Swim Lv on 2017-09-30.

**Test Result:** Compliance.

*Test Mode: Transmitting*

Mode	Frequency (MHz)	Peak Conducted Output power (dBm)	Limit (dBm)
BDR Mode (GFSK)	2402	3.58	30
	2441	4.25	30
	2480	4.77	30
EDR Mode ( $\pi/4$ -DQPSK)	2402	2.33	30
	2441	3.67	30
	2480	4.22	30
EDR Mode (8-DPSK)	2402	2.57	30
	2441	3.76	30
	2480	4.34	30

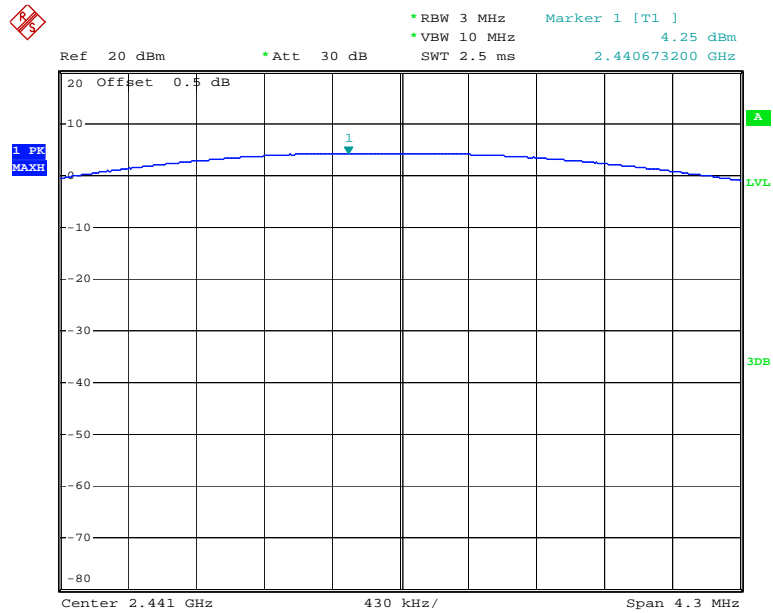
Note: The data above was tested in conducted mode.

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

Date: 30.SEP.2017 17:02:55

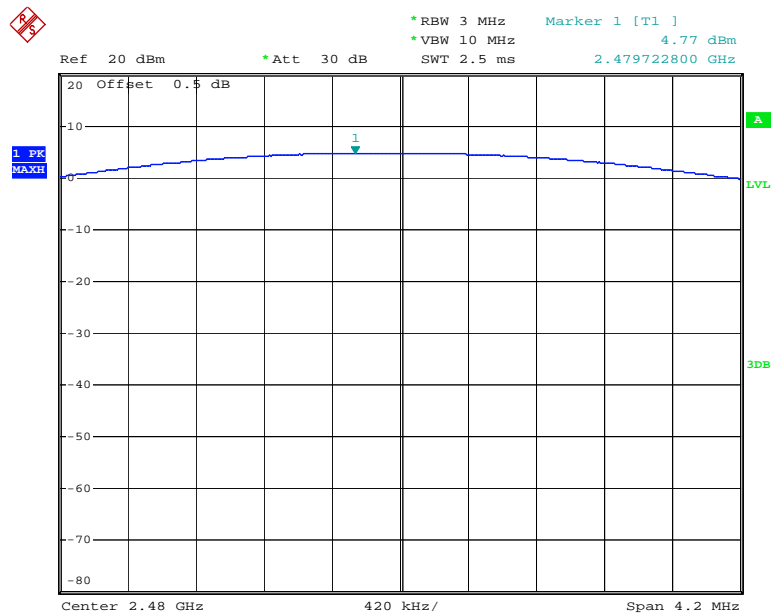


### Middle Channel



Date: 30.SEP.2017 17:04:21

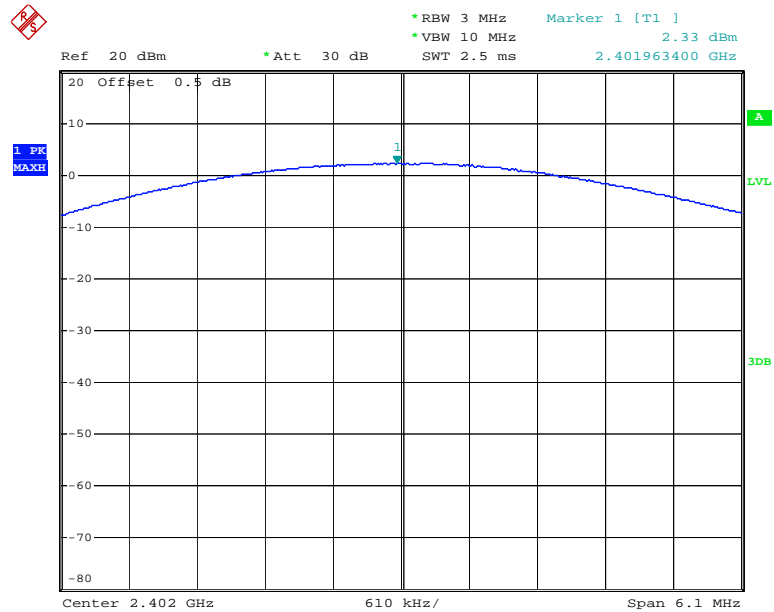
### High Channel



Date: 30.SEP.2017 17:05:24

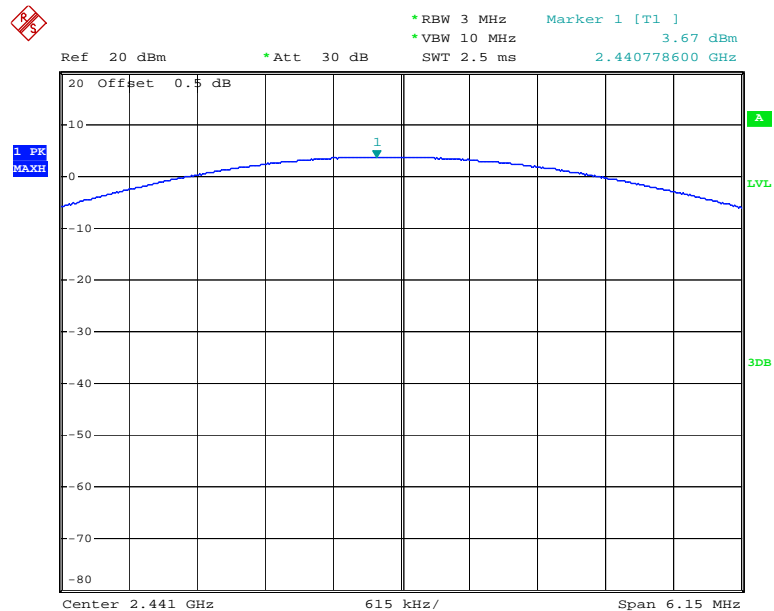
**EDR Mode ( $\pi/4$ -DQPSK):**

**Low Channel**



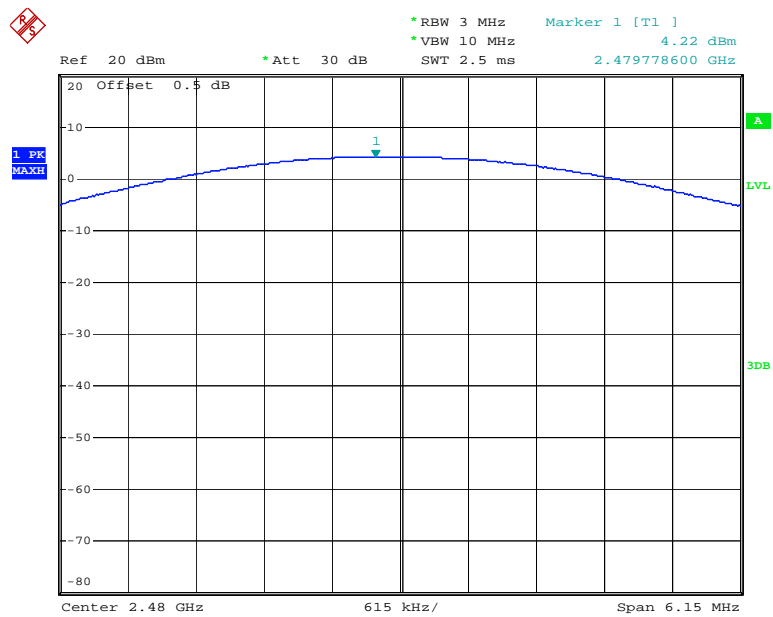
Date: 30.SEP.2017 17:10:02

**Middle Channel**



Date: 30.SEP.2017 17:09:04

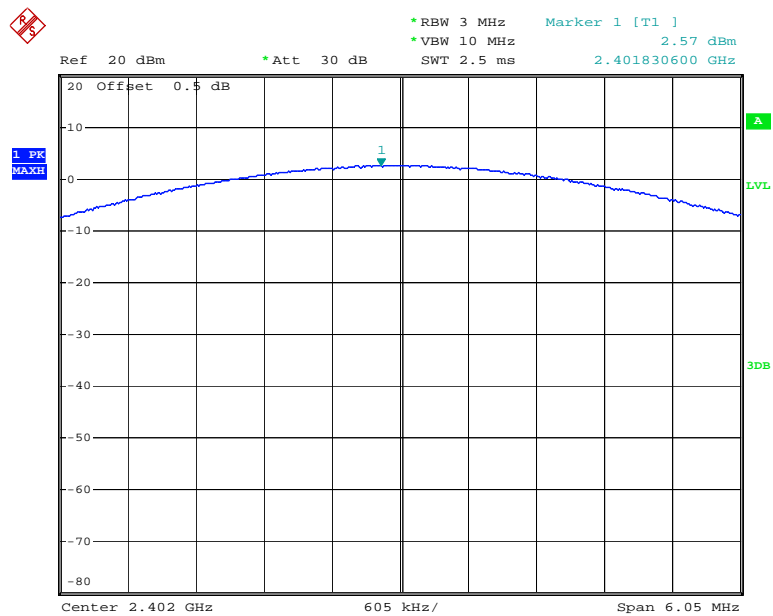
### High Channel



Date: 30.SEP.2017 17:07:17

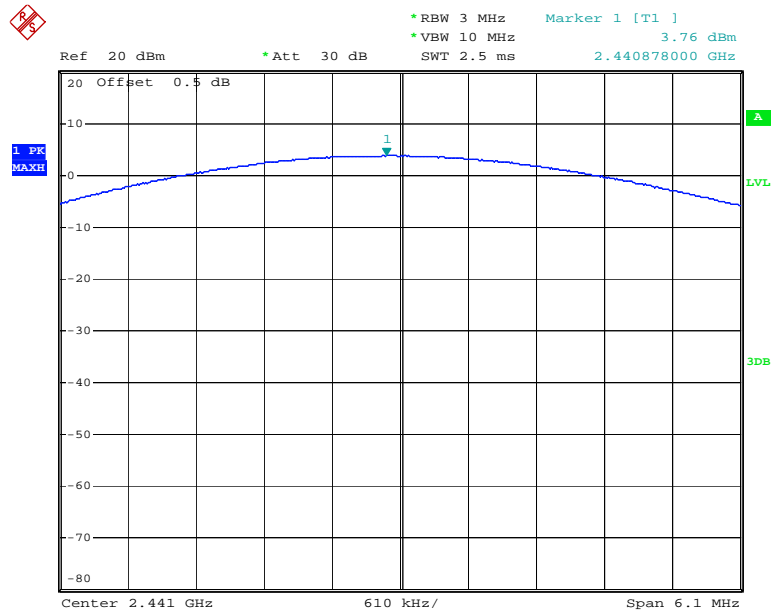
### EDR Mode (8-DPSK):

### Low Channel



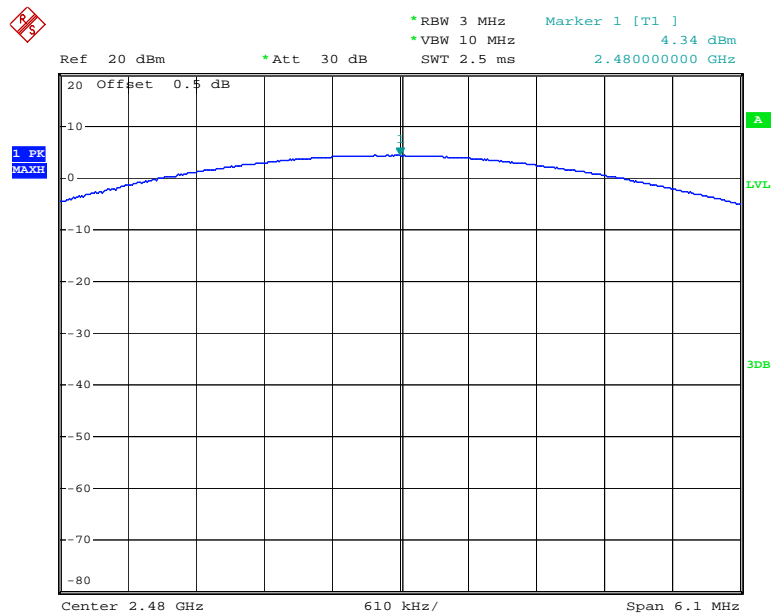
Date: 30.SEP.2017 17:12:45

### Middle Channel



Date: 30.SEP.2017 17:14:09

### High Channel



Date: 30.SEP.2017 17:15:10

## 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/ VBW of spectrum analyzer to 100/300 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
R&S	EMI Test Receiver	ESPI	100120	2016-12-08	2017-12-08
Unknown	RF Cable	Unknown	C-2	Each Time	/

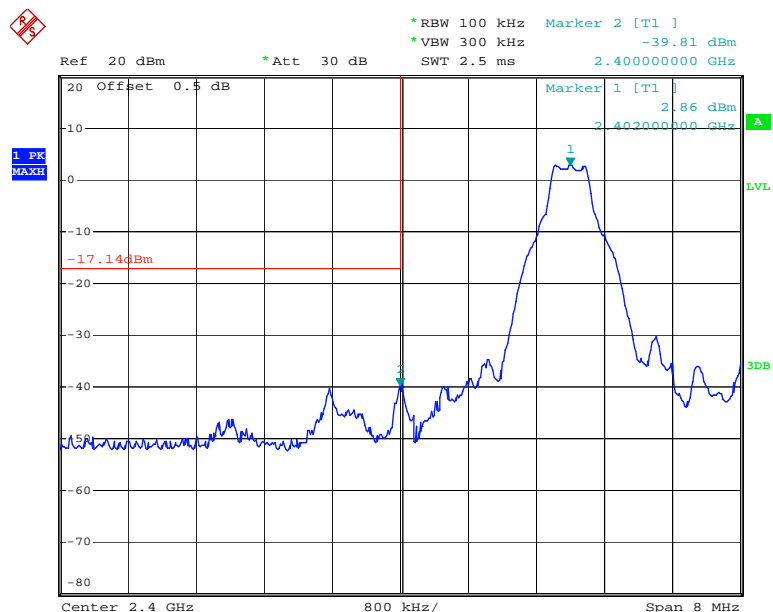
\* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

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

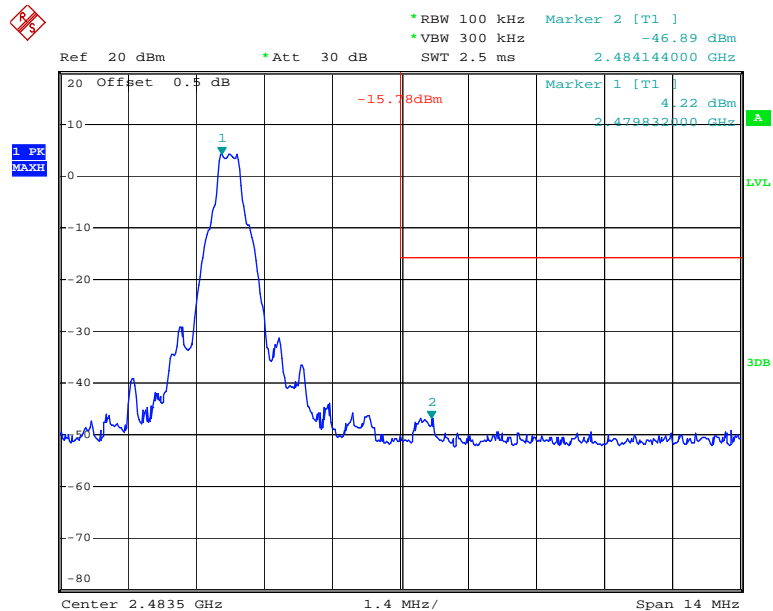
<b>Temperature:</b>	27.8 °C
<b>Relative Humidity:</b>	47 %
<b>ATM Pressure:</b>	100.8 kPa

*\* The testing was performed by Swim Lv on 2017-09-30.*

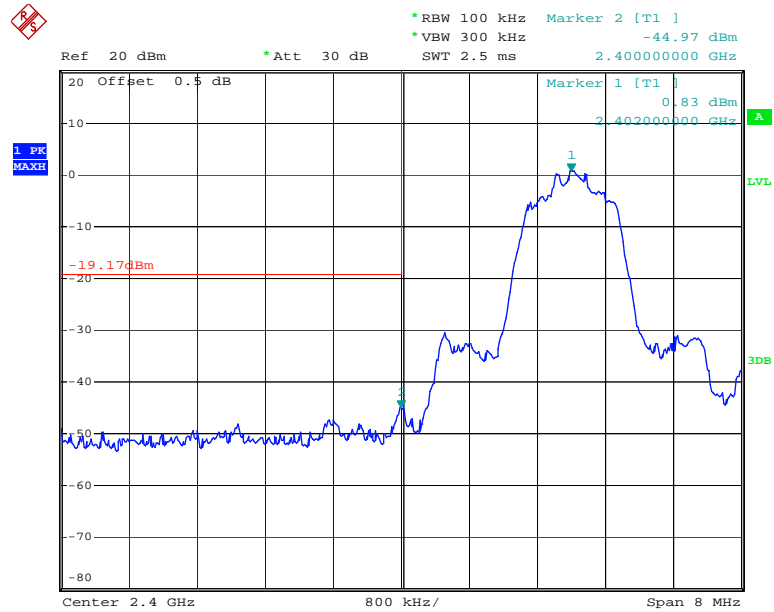
**Test Result:** Compliance

*BDR Mode (GFSK):***Band Edge, Left Side**

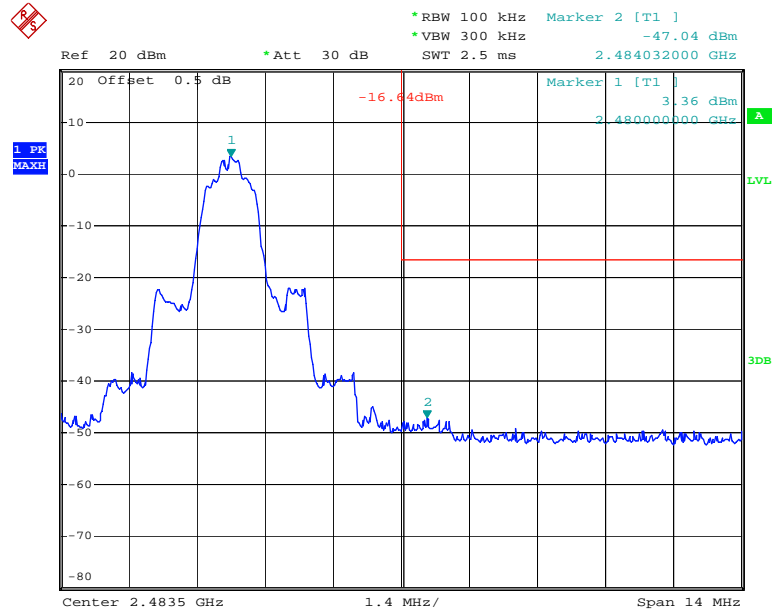
Date: 30.SEP.2017 17:03:19

**Band Edge, Right Side**

Date: 30.SEP.2017 17:05:49

*EDR Mode ( $\pi/4$ -DQPSK):***Band Edge, Left Side**

Date: 30.SEP.2017 17:10:20

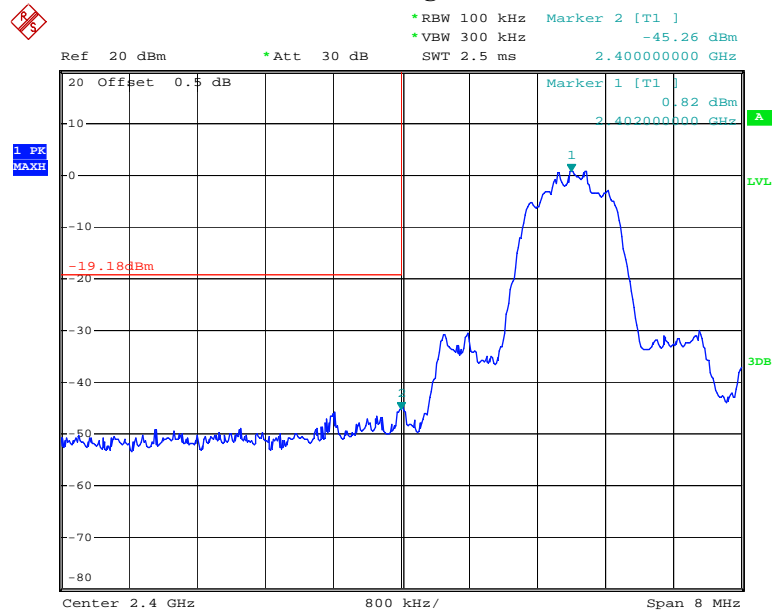
**Band Edge, Right Side**

Date: 30.SEP.2017 17:07:40



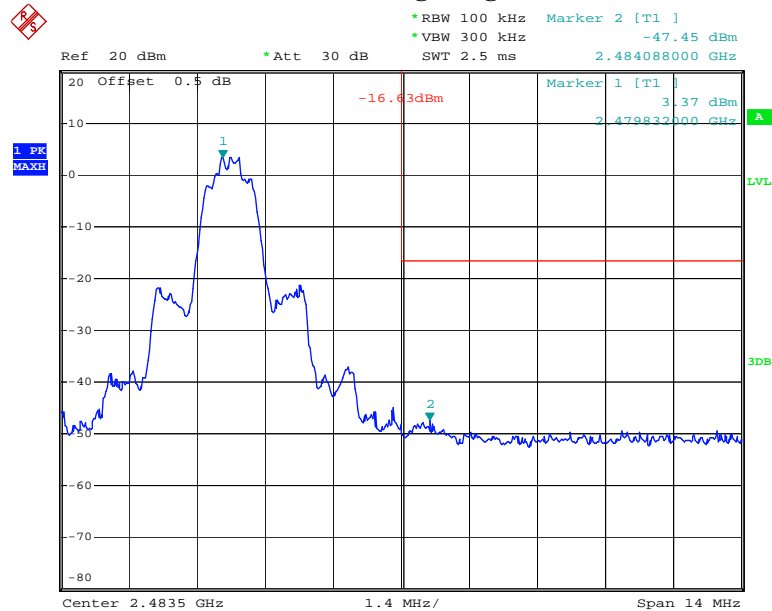
EDR Mode (8-DPSK):

### Band Edge, Left Side



Date: 30.SEP.2017 17:13:02

### Band Edge, Right Side



Date: 30.SEP.2017 17:15:34

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