

**FCC PART 15.247
TEST REPORT**

For

NEG TECHNOLOGY CO., LIMITED

Rm 1406, Block B, Jinsejiari, Jingtian south road, Futian district, Shenzhen, China

FCC ID: 2AAZ8-F1040D

Report Type: Original Report	Product Type: Mobile Phone
Report Number: RSZ170531001-00B	
Report Date: 2017-12-25	
Oscar Ye 	
Reviewed By: Engineer	
Prepared By: Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu province, China Tel: +86-0512-86175000 Fax: +86-0512-88934268 www.baclcorp.com.cn	

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

TABLE OF CONTENTS

GENERAL INFORMATION.....	4
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	4
OBJECTIVE	4
RELATED SUBMITTAL(S)/GRANT(S).....	4
TEST METHODOLOGY	4
MEASUREMENT UNCERTAINTY	5
TEST FACILITY	5
SYSTEM TEST CONFIGURATION.....	6
SUPPORT EQUIPMENT LIST AND DETAILS	6
EXTERNAL I/O CABLE.....	6
BLOCK DIAGRAM OF TEST SETUP	7
SUMMARY OF TEST RESULTS	8
TEST EQUIPMENT LIST	9
FCC§15.247 (i), §1.1307 (b) (1) &§2.1093 – RF EXPOSURE.....	10
APPLICABLE STANDARD	10
FCC §15.203 – ANTENNA REQUIREMENT	11
APPLICABLE STANDARD	11
ANTENNA CONNECTOR CONSTRUCTION	11
FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS	12
APPLICABLE STANDARD	12
EUT SETUP	12
EMI TEST RECEIVER SETUP.....	12
TEST PROCEDURE	12
CORRECTED FACTOR & MARGIN CALCULATION	13
TEST RESULTS SUMMARY	13
TEST DATA	13
FCC §15.205, §15.209 & §15.247(d) – RADIATED EMISSIONS.....	16
APPLICABLE STANDARD	16
EUT SETUP	16
EMI TEST RECEIVER & SPECTRUM ANALYZER SETUP	17
TEST PROCEDURE	17
CORRECTED AMPLITUDE & MARGIN CALCULATION	17
TEST RESULTS SUMMARY	17
TEST DATA	18
FCC §15.247(a) (1)-CHANNEL SEPARATION TEST	23
APPLICABLE STANDARD	23
TEST PROCEDURE	23
TEST DATA	23
FCC §15.247(a) (1) – 20 dB EMISSION BANDWIDTH.....	30
APPLICABLE STANDARD	30
TEST PROCEDURE	30
TEST DATA	30

FCC §15.247(a) (1) (iii)-QUANTITY OF HOPPING CHANNEL TEST	41
APPLICABLE STANDARD	41
TEST PROCEDURE	41
TEST DATA	41
FCC §15.247(a) (1) (iii) - TIME OF OCCUPANCY (DWELL TIME).....	44
APPLICABLE STANDARD	44
TEST PROCEDURE	44
TEST DATA	44
FCC §15.247(b) (1) - PEAK OUTPUT POWER MEASUREMENT	60
APPLICABLE STANDARD	60
TEST PROCEDURE	60
TEST DATA	60
FCC §15.247(d) - BAND EDGES TESTING	62
APPLICABLE STANDARD	62
TEST PROCEDURE	62
TEST DATA	62

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *NEG TECHNOLOGY CO., LIMITED*'s product, model number: *F1040D (FCC ID: 2AAZ8-F1040D)* in this report is a *Mobile Phone*, which was measured approximately: 12.5 cm (L) * 5.5 cm (W) * 1.5 cm (H), rated with input voltage: DC 3.7V from Li-ion battery or DC 5.0V from adapter.

Adapter information

Model: F1040D

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

Output: 5.0V, 500 mA

** All measurement and test data in this report was gathered from production sample serial number: 1701193 (Assigned by BACL, Kunshan). The EUT supplied by the applicant was received on 2017-05-31.*

Objective

This test report is prepared on behalf of *NEG TECHNOLOGY CO., LIMITED* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commissions rules.

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

Related Submittal(s)/Grant(s)

FCC Part 22H & 24E & 27 PCE, FCC Part 15.247 DTS and Part 15B JBP submissions with FCC ID: 2AAZ8-F1040D.

Test Methodology

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

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

Measurement Uncertainty

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

Test Facility

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

Bay Area Compliance Laboratories Corp. (Kunshan) has been accredited to ISO/IEC 17025 by CNAS(Lab code: L9963). And accredited to ISO/IEC 17025 by A2LA(Lab code: 4323.01), the FCC Designation No. CN1185 under the KDB 974614 D01.

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

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

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in engineering mode.

EUT Exercise Software

No exercise software was used

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

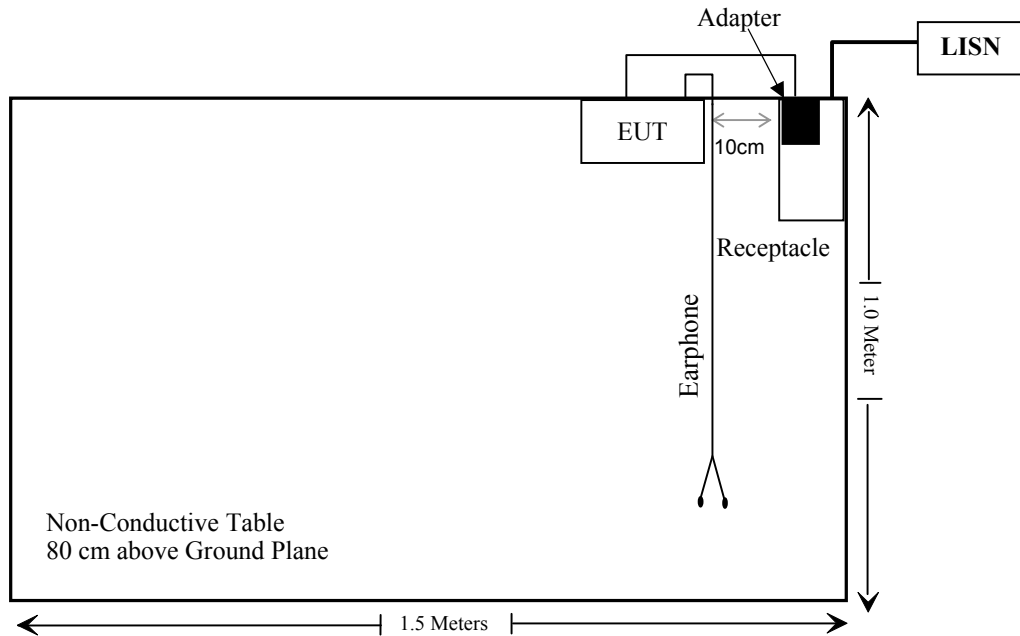
Manufacturer	Description	Model	Serial Number
N/A	N/A	N/A	N/A

External I/O Cable

Cable Description	Length (m)	From Port	To
Un-shielding Detachable USB Cable	1.5	EUT	Adapter
Un-shielding Detachable Earphone Cable	1.1	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

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
AC Line Conducted test					
Rohde & Schwarz	EMI Test Receiver	ESCS30	834115/007	2016-11-25	2017-11-25
Rohde & Schwarz	LISN	ESH3-Z5	862770/011	2016-10-10	2017-10-10
Rohde & Schwarz	Pulse limiter	ESH3-Z2	879940/0058	2017-06-19	2018-06-18
MICRO-COAX	Coaxial line	UFB-293B-1-0480-50X50	97F0173	2016-09-08	2017-09-08
Rohde & Schwarz	CE Test software	EMC 32	V 09.10.0	NCR	NCR
Radiation test					
Sonoma Instrunent	Pre-Amplifier	330	171377	2017-12-12	2018-12-11
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2017-11-25	2018-11-25
Sunol Sciences	Broadband Antenna	JB3	A090314-2	2016-01-09	2019-01-08
Narda	Pre-amplifier	AFS42-00101800	2001270	2017-09-08	2018-09-08
EMCO	Horn Antenna	3116	00084159	2016-10-18	2019-10-17
Rohde & Schwarz	Signal Analyzer	FSIQ26	100048	2017-11-25	2018-11-25
ETS	Horn Antenna	3115	6229	2016-12-12	2019-12-12
R&S	Auto test Software	EMC32	V 09.10.0	NCR	NCR
haojintech	Coaxial Cable	Cable-1	001	2017-12-12	2018-12-12
haojintech	Coaxial Cable	Cable-2	002	2017-12-12	2018-12-12
haojintech	Coaxial Cable	Cable-3	003	2017-12-12	2018-12-12
MICRO-COAX	Coaxial Cable	Cable-4	004	2017-12-12	2018-12-12
MICRO-COAX	Coaxial Cable	Cable-5	005	2017-12-12	2018-12-12
RF Conducted test					
BACL	TS 8997 Cable-01	T-KS-EMC086	T-KS-EMC086	2016-12-09	2017-12-08
BACL	RF cable	KS-LAB-012	KS-LAB-012	2016-12-15	2017-12-15
WEINSCHL	3dB Attenuator	5326	N/A	2016-06-18	2017-06-18
WEINSCHL	3dB Attenuator	5326	N/A	2017-06-18	2018-06-18
Agilent	Power Meter	N1912A	MY5000492	2016-11-17	2017-11-16
Agilent	Power Sensor	N1921A	MY54210024	2016-11-17	2017-11-16
Rohde & Schwarz	Signal Analyzer	FSIQ26	836131/009	2016-09-21	2017-09-21
Rohde & Schwarz	Signal Analyzer	FSIQ26	836131/009	2017-09-21	2018-09-21

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

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

Applicable Standard

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

According to KDB 447498 D01 General RF Exposure Guidance

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 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)				
2480	4.0	2.51	5	0.79	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 0.85 dBi, fulfill the requirement of this section. Please refer to the EUT photos.

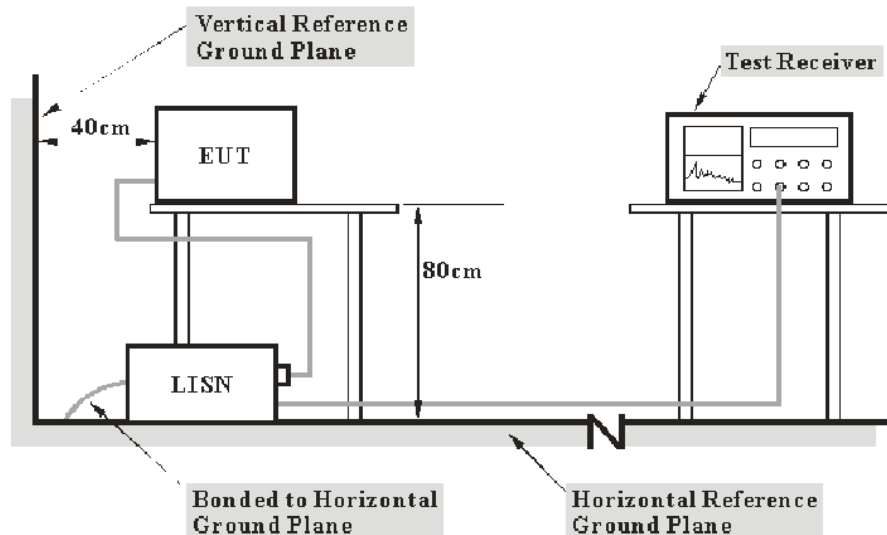
Result: Compliance.

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

EUT Setup



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

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

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

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

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

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

Test Procedure

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

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

Corrected Factor & Margin Calculation

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

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

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

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

Test Results Summary

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

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

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

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

Test Data

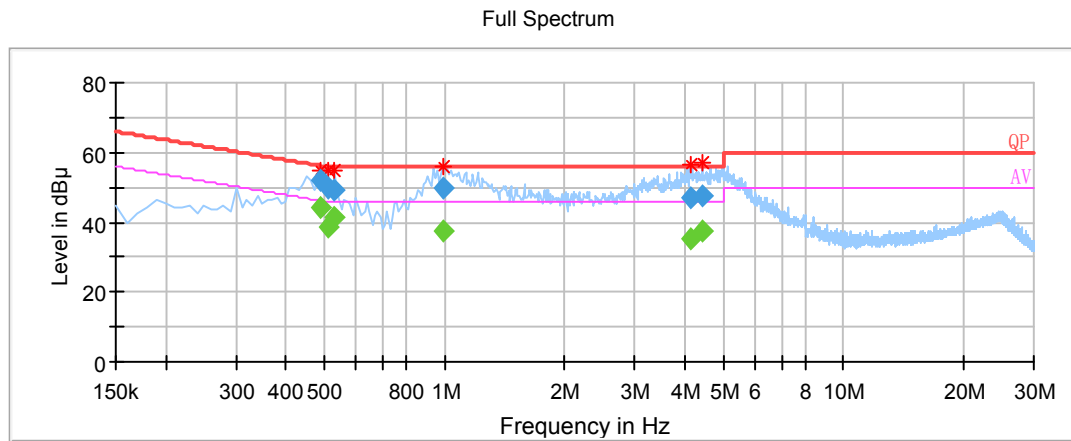
Environmental Conditions

Temperature:	25 °C
Relative Humidity:	55 %
ATM Pressure:	101.0 kPa

The testing was performed by Layne Li on 2017-06-27.

EUT operation mode: Transmitting

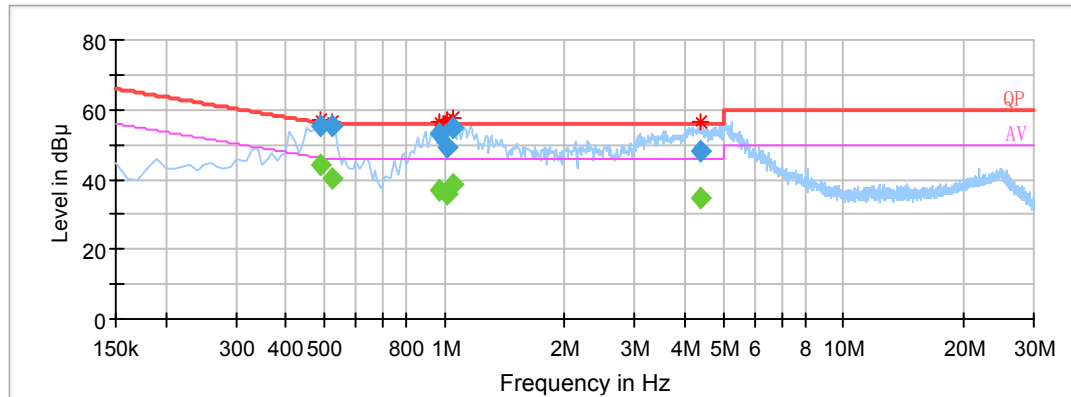
AC 120V/60 Hz, Line:



Frequency (MHz)	QuasiPeak (dBμV)	Average (dB μ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.490000	---	44.20	9.000	L1	10.0	1.97	46.17	Compliance
0.490000	52.04	---	9.000	L1	10.0	4.13	56.17	Compliance
0.510000	---	38.39	9.000	L1	9.5	7.61	46.00	Compliance
0.510000	49.77	---	9.000	L1	9.5	6.23	56.00	Compliance
0.530000	---	41.46	9.000	L1	9.7	4.54	46.00	Compliance
0.530000	49.50	---	9.000	L1	9.7	6.50	56.00	Compliance
0.990000	---	37.47	9.000	L1	10.1	8.53	46.00	Compliance
0.990000	49.73	---	9.000	L1	10.1	6.27	56.00	Compliance
4.120000	---	35.30	9.000	L1	9.9	10.70	46.00	Compliance
4.120000	46.91	---	9.000	L1	9.9	9.09	56.00	Compliance
4.430000	---	37.57	9.000	L1	10.2	8.43	46.00	Compliance
4.430000	47.75	---	9.000	L1	10.2	8.25	56.00	Compliance

AC 120V/60 Hz, Neutral

Full Spectrum



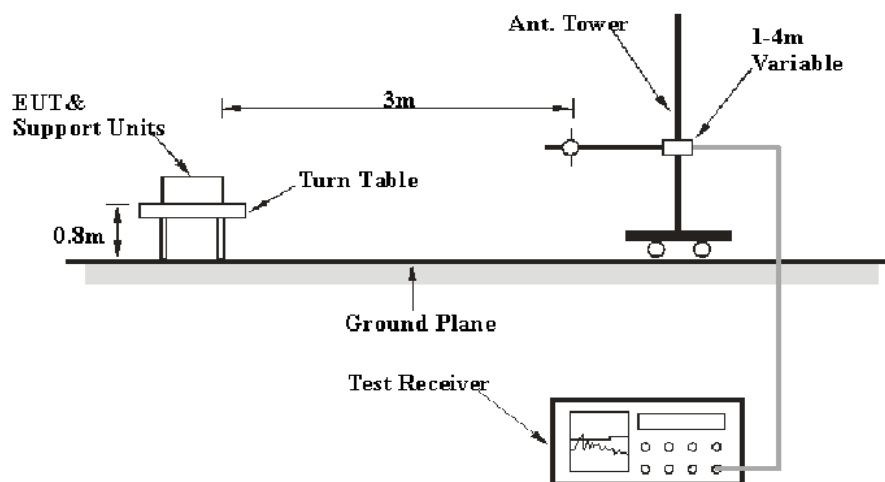
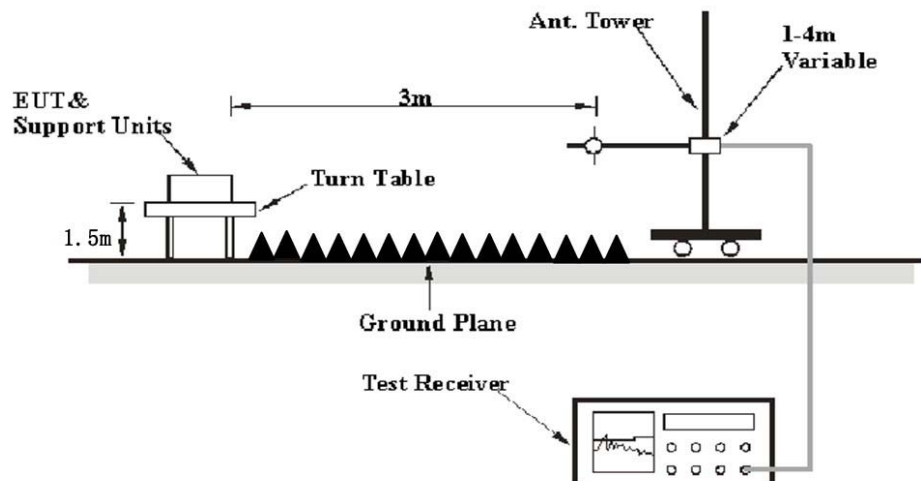
Frequency (MHz)	QuasiPeak (dBμV)	Average (dB μ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.490000	---	44.09	9.000	N	9.000	N	10.0	Compliance
0.490000	55.66	---	9.000	N	9.000	N	10.0	Compliance
0.520000	---	40.31	9.000	N	9.000	N	9.9	Compliance
0.520000	55.17	---	9.000	N	9.000	N	9.9	Compliance
0.970000	---	37.09	9.000	N	9.000	N	9.8	Compliance
0.970000	53.15	---	9.000	N	9.000	N	9.8	Compliance
1.020000	---	35.91	9.000	N	9.000	N	10.1	Compliance
1.020000	49.46	---	9.000	N	9.000	N	10.1	Compliance
1.050000	---	38.50	9.000	N	9.000	N	10.3	Compliance
1.050000	54.55	---	9.000	N	9.000	N	10.3	Compliance
4.400000	---	34.53	9.000	N	9.000	N	10.2	Compliance
4.400000	48.19	---	9.000	N	9.000	N	10.2	Compliance

Note:

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

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

FCC §15.205; §15.209; §15.247(d)

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

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

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 25 GHz.

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

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

Test Procedure

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

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

Corrected Amplitude & Margin Calculation

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

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

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

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

Test Results Summary

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

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

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

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

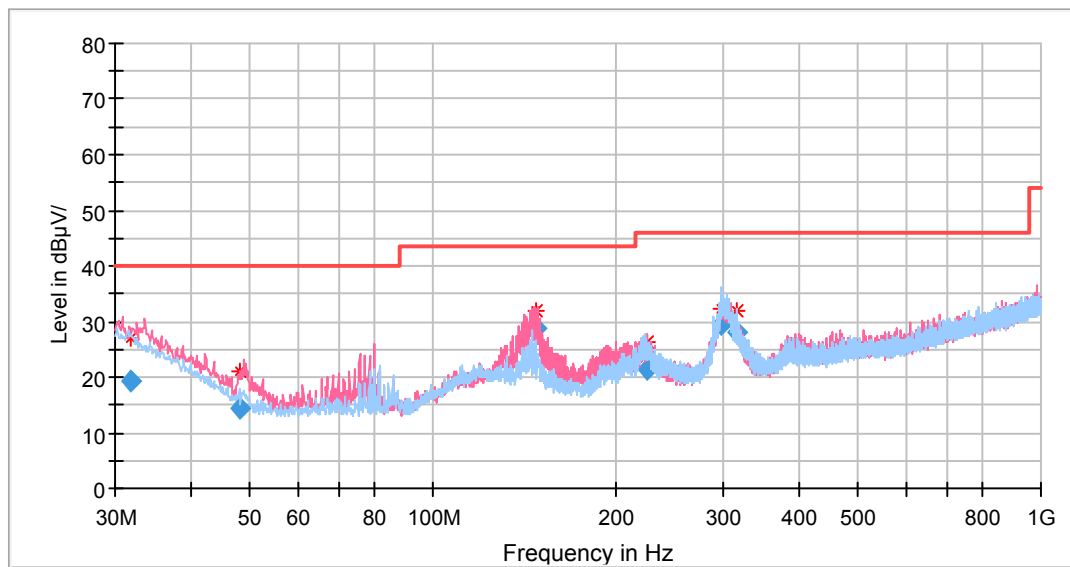
Test Data**Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	53 %
ATM Pressure:	101.0 kPa

The testing was performed by Layne Li on 2017-12-25.

EUT operation mode: Transmitting(Scan with GFSK, $\pi/4$ -DQPSK, 8-DPSK mode, the worst case is BDR(GFSK))

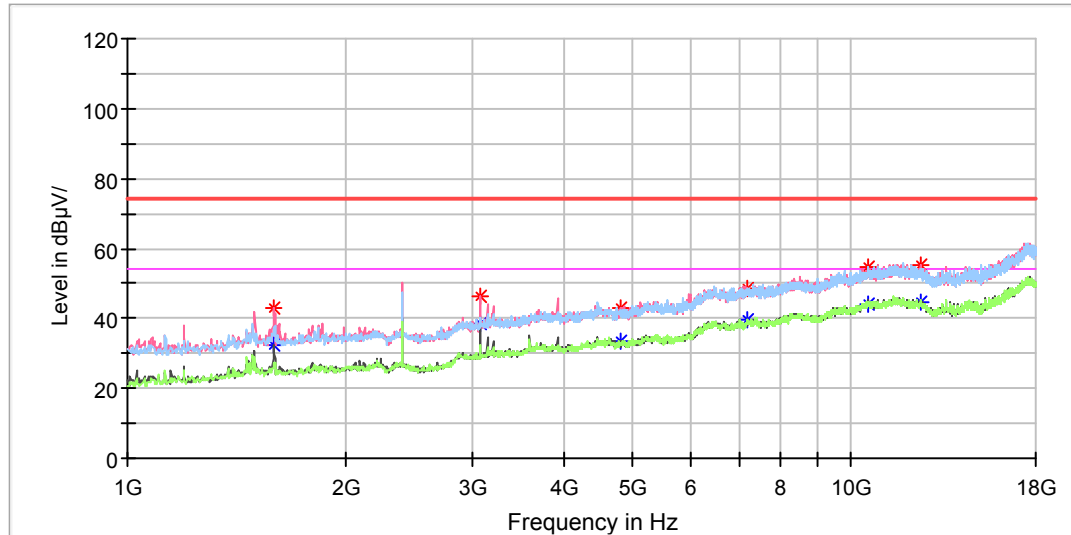
30 MHz~1 GHz: (the worst case is BDR(GFSK), Middle channel)



Frequency (MHz)	Corrected Amplitude (dBμV/m)	Antenna height (cm)	Antenna Polarity	Turntable position (degree)	Correction Factor (dB/m)	Limit (dBμV/m)	Margin (dB)
31.840455	19.16	199.0	V	347.0	-5.6	40.00	20.84
48.272160	14.29	101.0	V	259.0	-16.8	40.00	25.71
147.337080	28.72	101.0	V	185.0	-12.7	43.50	14.78
224.977550	21.38	101.0	V	171.0	-12.7	46.00	24.62
297.537510	29.39	101.0	H	310.0	-11.1	46.00	16.61

1 GHz - 18 GHz: (Low channel:2402 MHz)

Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB)	Limit (dBμV)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H / V)				
1591.600000	---	32.14	150.0	V	178.0	-7.6	54.00	21.86
1591.600000	43.07	---	200.0	V	165.0	-7.6	74.00	30.93
2382.950000	---	36.66	90.0	H	90.0	-6.2	54.00	17.34
2382.950000	53.67	---	90.0	H	90.0	-6.2	74.00	20.33
3070.600000	---	38.42	200.0	V	201.0	-1.9	54.00	15.58
3070.600000	46.28	---	200.0	V	201.0	-1.9	74.00	27.72
4808.000000	---	33.56	150.0	V	106.0	2.5	54.00	20.44
4808.000000	42.74	---	150.0	V	106.0	2.5	74.00	31.26
7205.000000	---	39.61	150.0	V	9.0	9.8	54.00	14.39
7205.000000	48.49	---	150.0	V	9.0	9.8	74.00	25.51
10543.800000	---	43.98	200.0	V	358.0	17.0	54.00	10.02
10543.800000	54.52	---	200.0	H	51.0	17.0	74.00	19.48
12478.400000	---	44.48	150.0	V	0.0	17.2	54.00	9.52
12478.400000	55.24	---	150.0	V	0.0	17.2	74.00	18.76

Note:

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

Corrected Amplitude = Corrected Factor + Reading

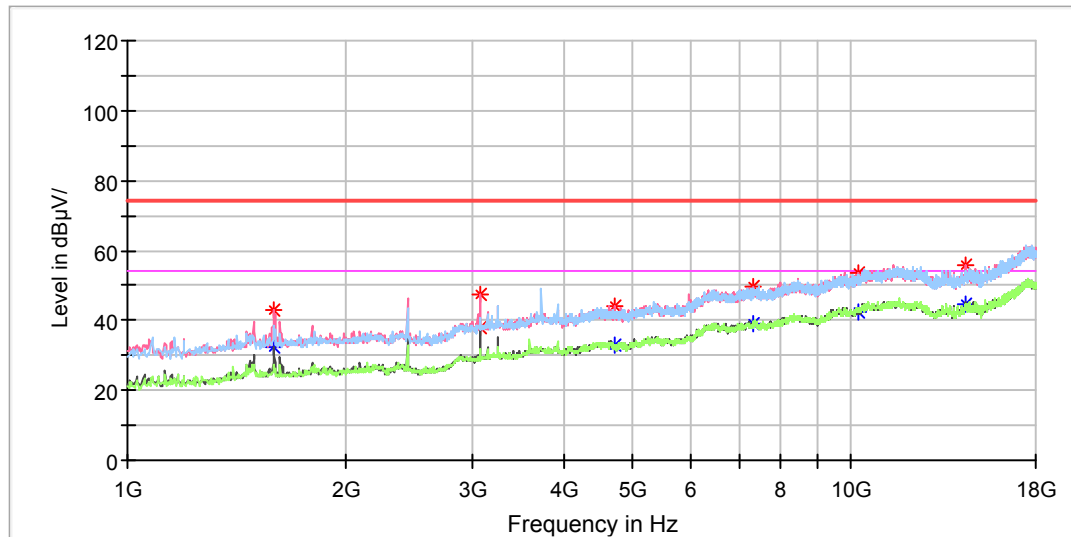
Margin = Limit - Corrected. Amplitude

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

And for the pre-scan is performed with the 2400-2483.5MHz band filter.

1 GHz - 18 GHz: (Middle channel: 2441 MHz)

Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB)	Limit (dBμV)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H / V)				
1591.600000	---	32.17	150.0	V	158.0	-7.6	54.00	21.83
1591.600000	42.83	---	150.0	V	158.0	-7.6	74.00	31.17
3070.600000	47.49	---	200.0	V	202.0	-1.9	74.00	26.51
3074.000000	38.08	---	150.0	H	355.0	-1.9	74.00	35.92
4886.200000	44.07	---	200.0	V	358.0	2.3	74.00	29.93
4886.200000	---	32.86	200.0	V	358.0	2.3	54.00	21.14
7344.400000	---	39.18	150.0	V	140.0	10.0	54.00	14.82
7344.400000	49.55	---	200.0	V	309.0	10.0	74.00	24.45
10231.000000	---	42.48	200.0	V	220.0	15.9	54.00	11.52
10231.000000	53.67	---	200.0	V	220.0	15.9	74.00	20.33
14372.200000	---	44.41	150.0	V	123.0	15.4	54.00	9.59
14372.200000	55.89	---	200.0	V	291.0	15.4	74.00	18.11

Note:

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

Corrected Amplitude = Corrected Factor + Reading

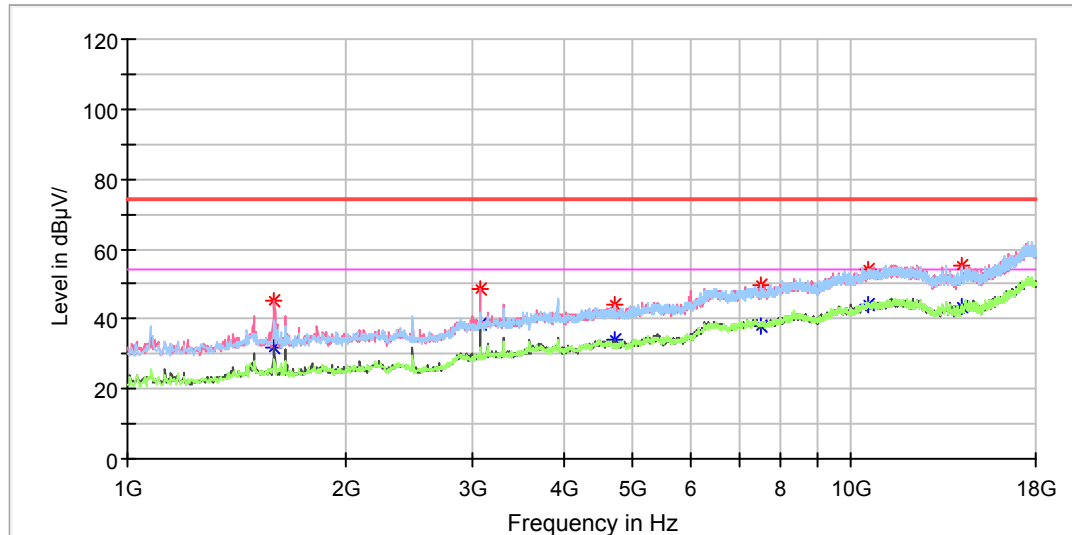
Margin = Limit - Corrected. Amplitude

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

And for the pre-scan is performed with the 2400-2483.5MHz band filter.

1 GHz - 18 GHz: (High channel:2480 MHz)

Full Spectrum



Frequency (MHz)	Corrected Amplitude		Rx Antenna		Turntable Degree	Corrected Factor (dB)	Limit (dBμV)	Margin (dB)
	MaxPeak (dBμV/m)	Average (dBμV/m)	Height (cm)	Polar (H / V)				
1595.000000	---	31.61	200.0	V	136.0	-7.6	54.00	22.39
1595.000000	45.39	---	200.0	V	136.0	-7.6	74.00	28.61
2483.840000	---	35.39	110.0	H	222.0	-6.0	54.00	18.61
2483.840000	53.16	---	110.0	H	222.0	-6.0	74.00	20.84
3070.600000	---	38.24	200.0	V	200.0	-1.9	54.00	15.76
3070.600000	48.67	---	200.0	V	200.0	-1.9	74.00	25.33
4961.200000	---	33.84	150.0	V	230.0	2.3	54.00	20.16
4961.200000	43.95	---	150.0	V	230.0	2.3	74.00	30.05
7494.000000	---	38.20	150.0	H	358.0	10.2	54.00	15.80
7494.000000	49.87	---	150.0	H	358.0	10.2	74.00	24.13
10547.200000	---	44.29	150.0	V	5.0	17.0	54.00	9.71
10547.200000	54.34	---	200.0	V	307.0	17.0	74.00	19.66
14209.000000	---	43.43	150.0	V	249.0	15.0	54.00	10.57
14209.000000	55.16	---	150.0	V	249.0	15.0	74.00	18.84

Note:

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

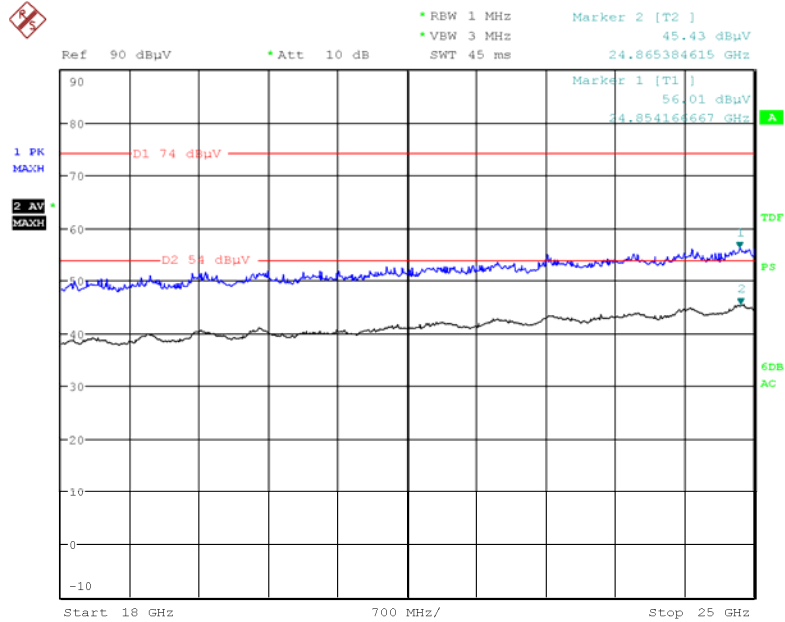
Corrected Amplitude = Corrected Factor + Reading

Margin = Limit - Corrected. Amplitude

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

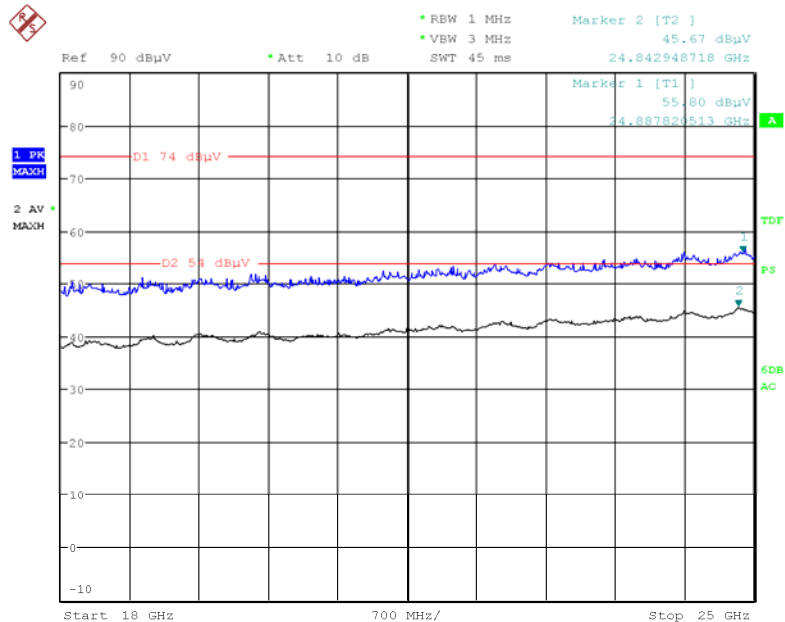
And for the pre-scan is performed with the 2400-2483.5MHz band filter.

1 GHz - 18 GHz: Pre-scan with High channel Horizontal



Date: 25.DEC.2017 16:08:06

Vertical



Date: 25.DEC.2017 16:32:58

FCC §15.247(a) (1)-CHANNEL SEPARATION TEST

Applicable Standard

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

Test Procedure

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

Test Data**Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	54 %
ATM Pressure:	101.0 kPa

The testing was performed by Echo Wu on 2017-06-11.

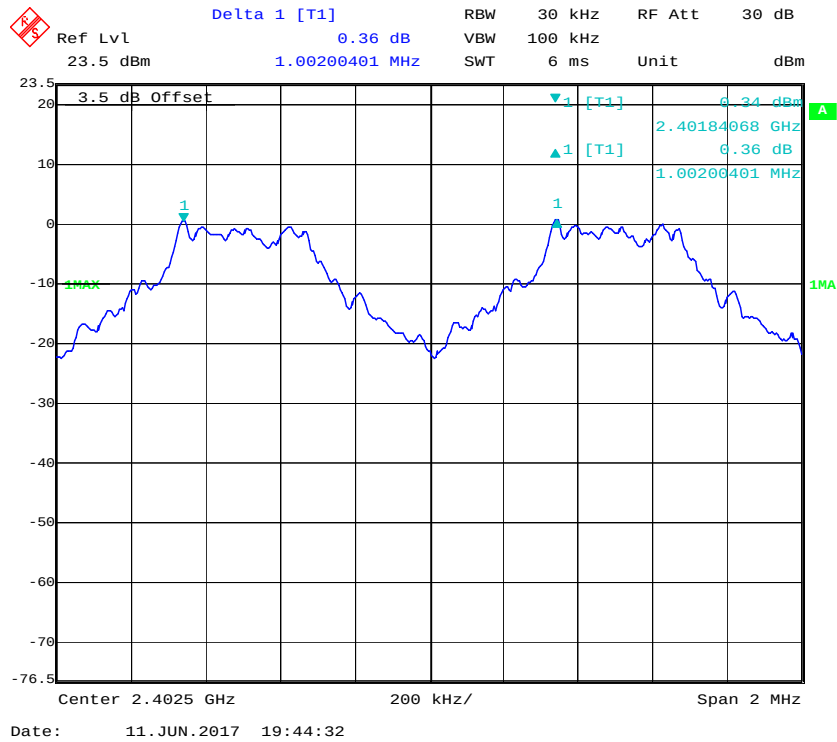
EUT operation mode: Transmitting

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

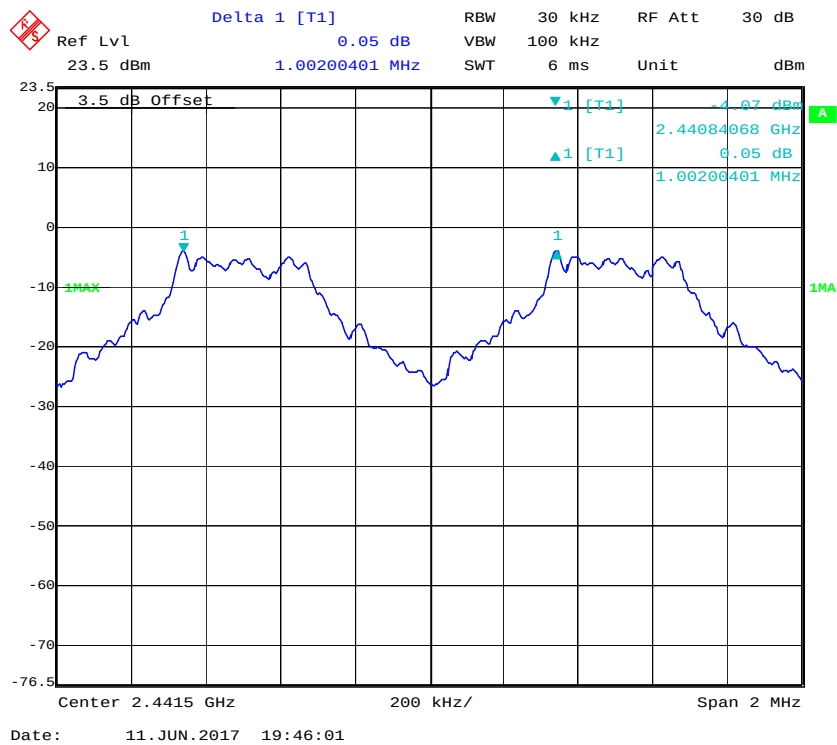
Mode	Channel	Frequency (MHz)	Channel Separation (MHz)	$\geq$ Limit (MHz)	Result
BDR (GFSK)	Low	2402	1.002	0.633	Pass
	Adjacent	2403			
	Middle	2441	1.002	0.628	Pass
	Adjacent	2442			
	High	2480	1.002	0.628	Pass
	Adjacent	2479			
EDR ($\pi/4$-DQPSK)	Low	2402	1.004	0.838	Pass
	Adjacent	2403			
	Middle	2441	1.004	0.842	Pass
	Adjacent	2442			
	High	2480	0.998	0.842	Pass
	Adjacent	2479			
EDR (8DPSK)	Low	2402	0.998	0.846	Pass
	Adjacent	2403			
	Middle	2441	0.998	0.846	Pass
	Adjacent	2442			
	High	2480	1.004	0.846	Pass
	Adjacent	2479			

Note: Limit = 20 dB bandwidth *2/3

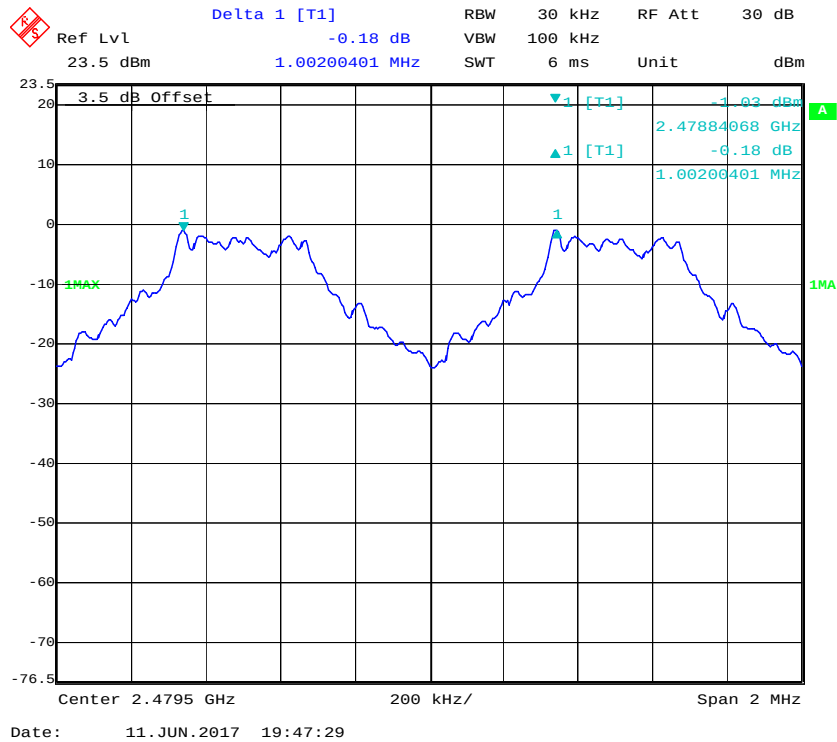
BDR (GFSK): Low Channel



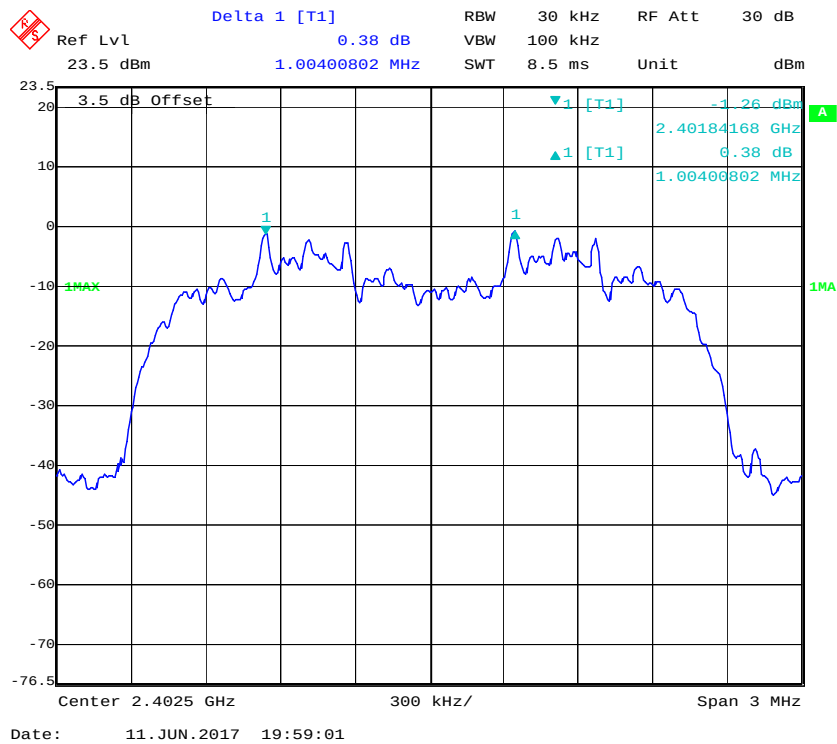
BDR (GFSK): Middle Channel



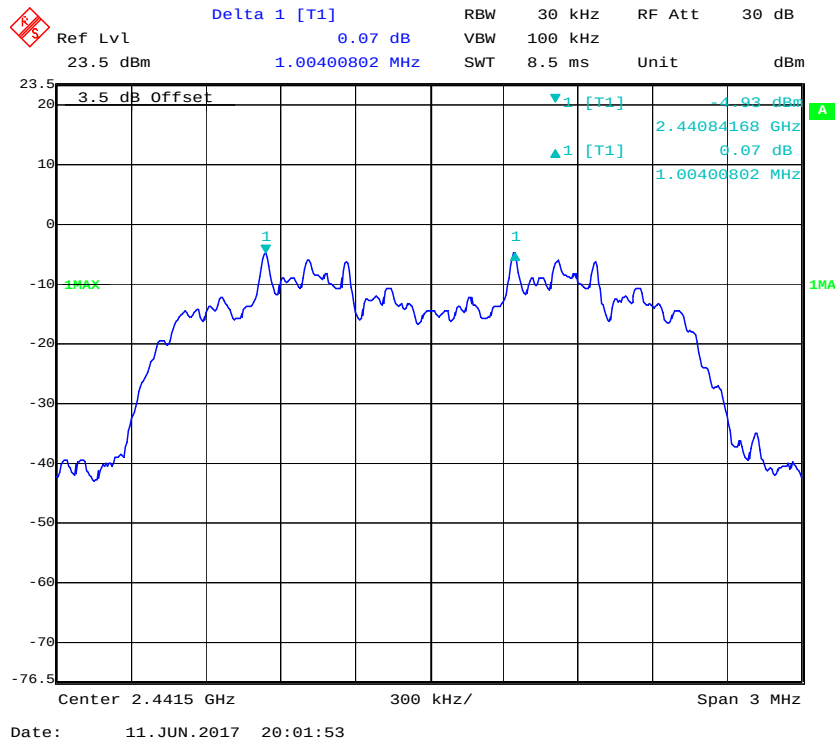
BDR (GFSK): High Channel



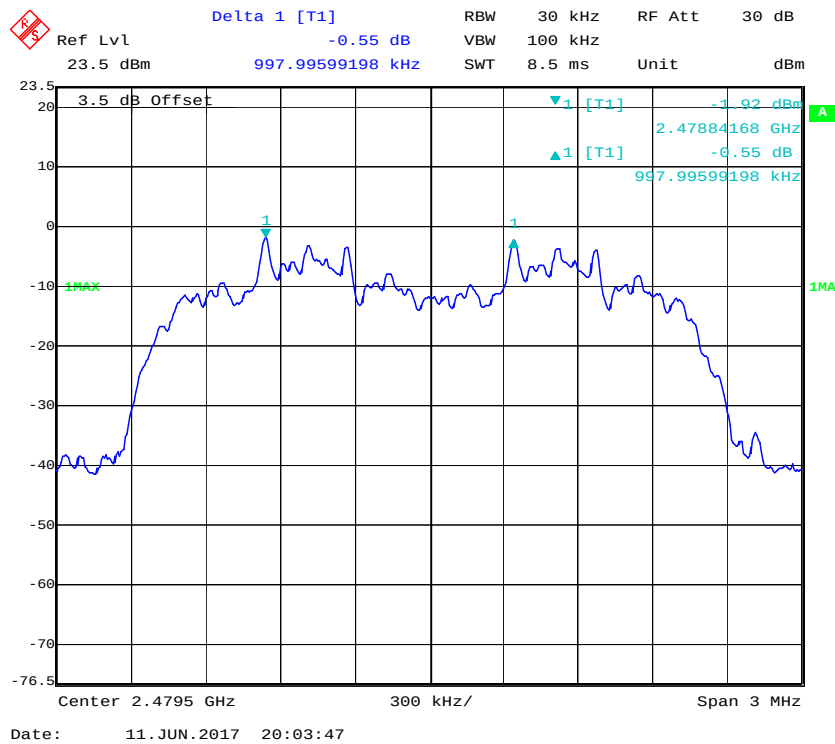
EDR ($\pi/4$ -DQPSK): Low Channel



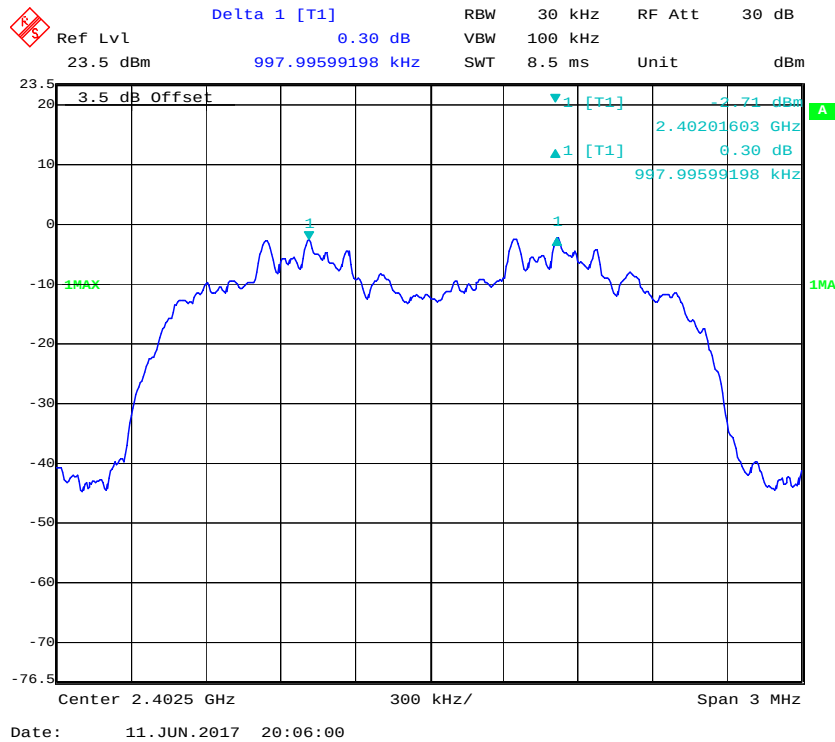
EDR ($\pi/4$ -DQPSK): Middle Channel



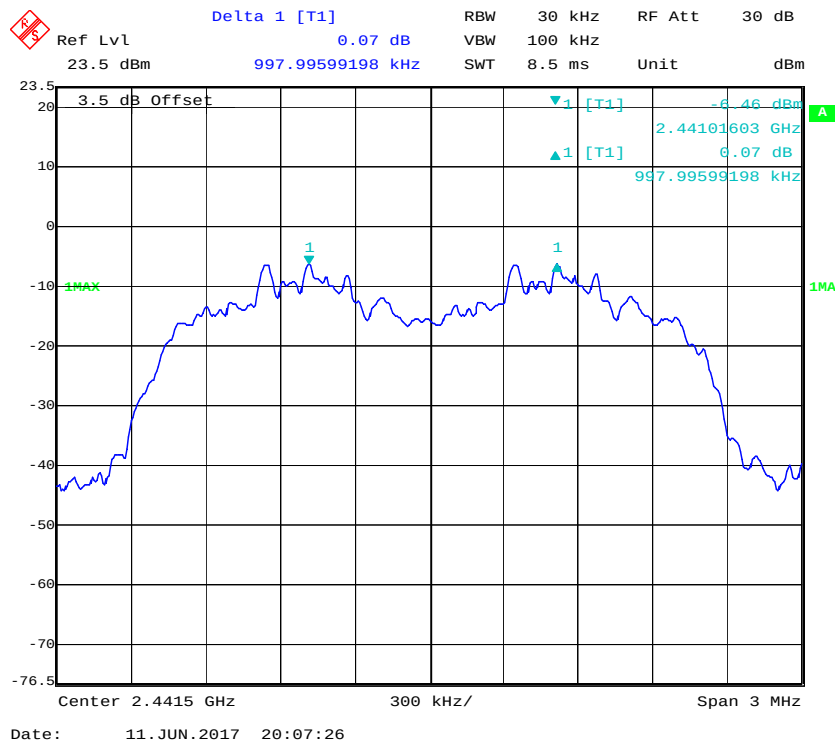
EDR ($\pi/4$ -DQPSK): High Channel



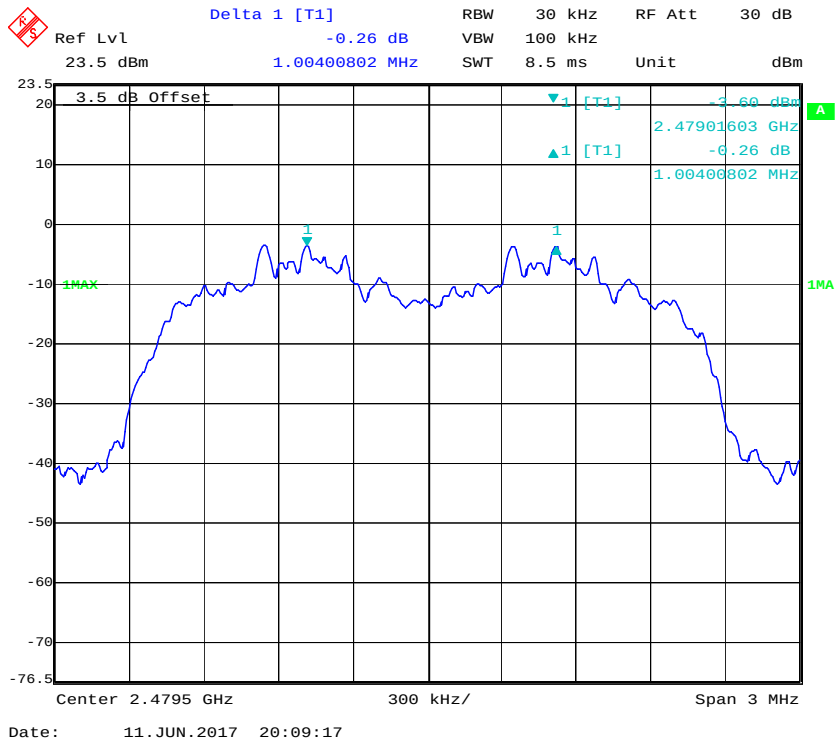
EDR (8DPSK): Low Channel



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 Data**Environmental Conditions**

Temperature:	25~24 °C
Relative Humidity:	49~54 %
ATM Pressure:	100.0~103.0 kPa

The testing was performed by Echo Wu on 2017-06-11 and 2017-12-19.

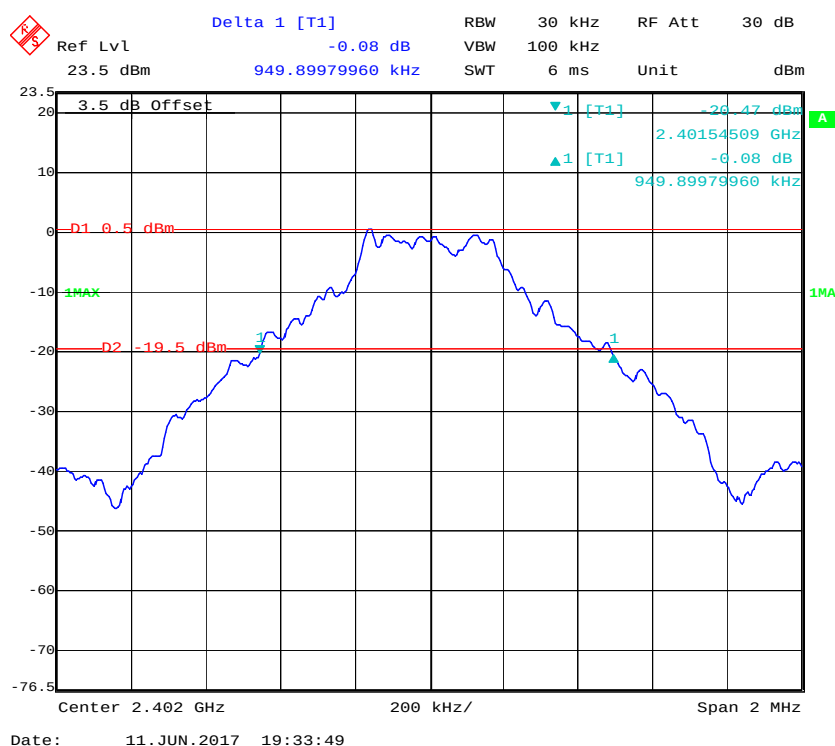
EUT operation mode: Transmitting

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

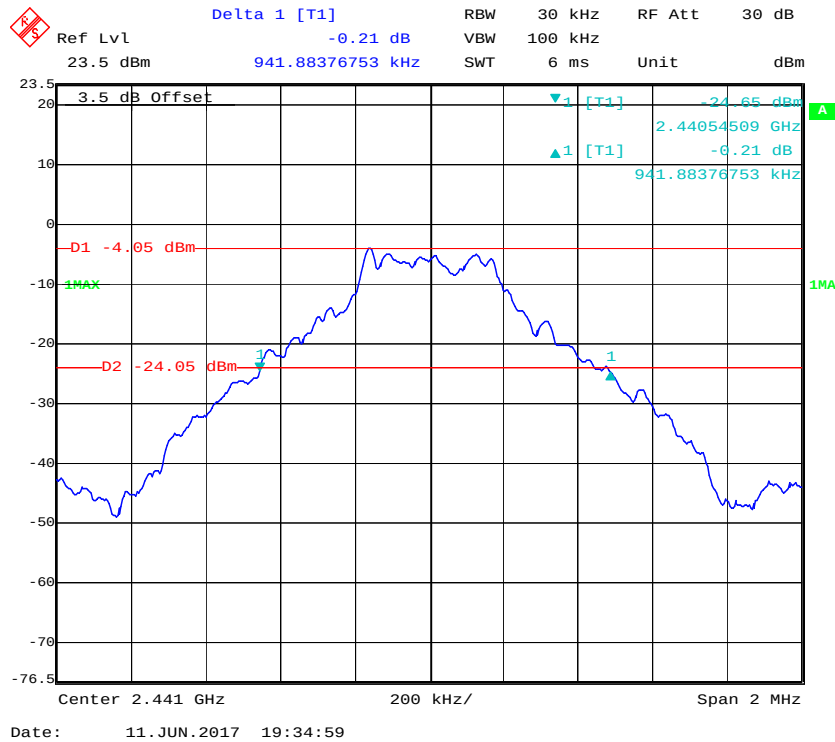
Mode	Channel	Frequency (MHz)	20 dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
BDR (GFSK)	Low	2402	0.950	0.856
	Middle	2441	0.942	0.849
	High	2480	0.942	0.853
EDR ($\pi/4$-DQPSK)	Low	2402	1.257	1.157
	Middle	2441	1.263	1.163
	High	2480	1.263	1.160
EDR (8DPSK)	Low	2402	1.269	1.160
	Middle	2441	1.269	1.170
	High	2480	1.269	1.163

BDR (GFSK):

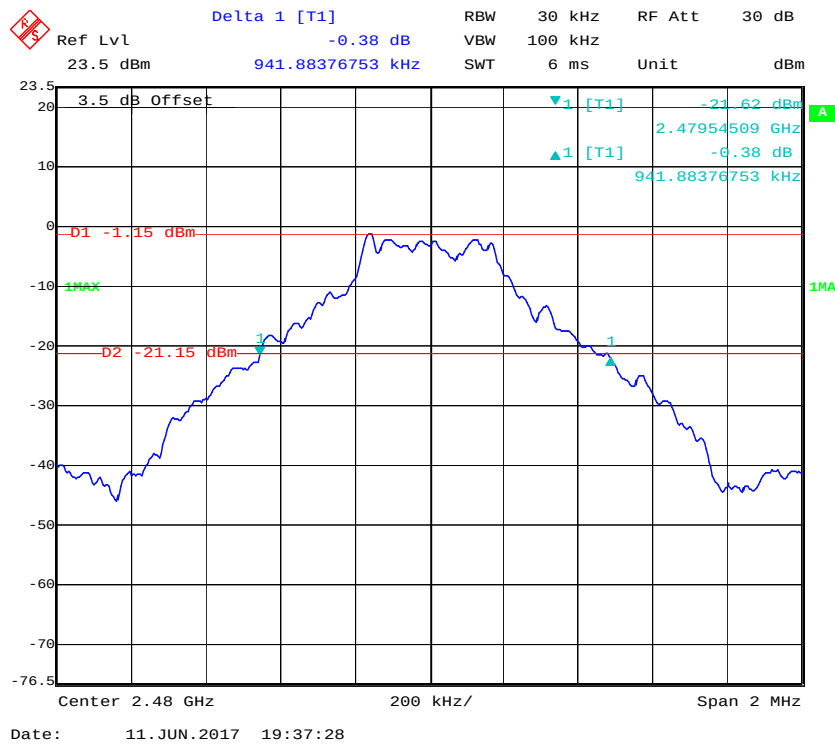
20dB Emission Bandwidth, Low Channel



20dB Emission Bandwidth, Middle Channel



20dB Emission Bandwidth, High Channel



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

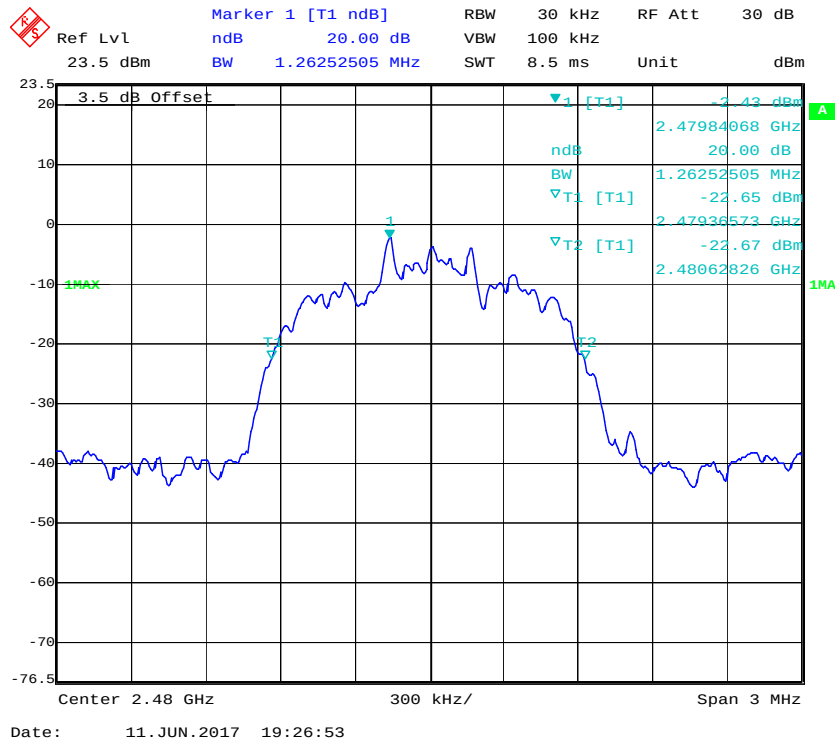
20dB Emission Bandwidth, Low Channel



20dB Emission Bandwidth, Middle Channel

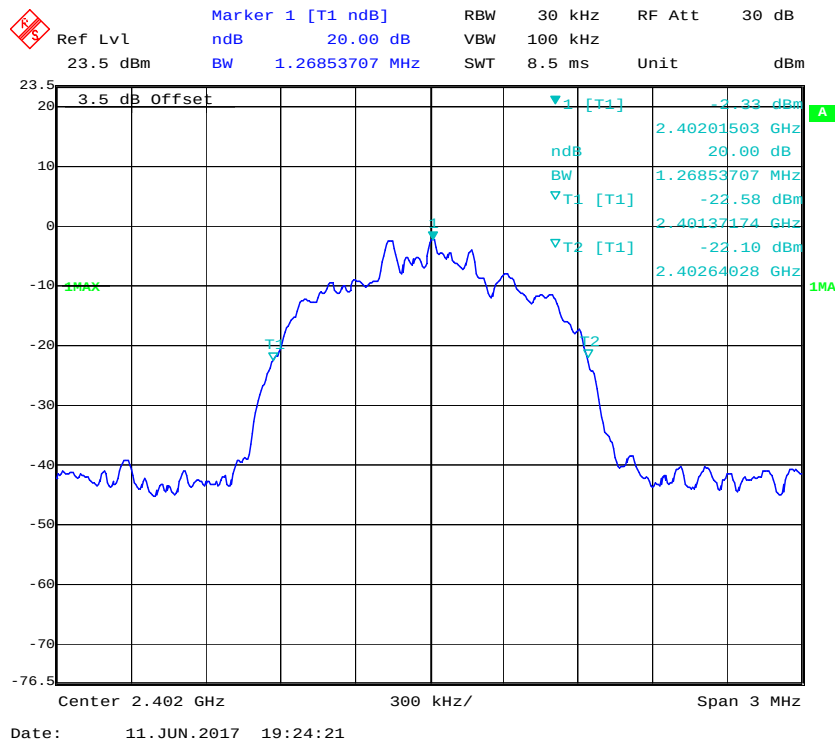


20dB Emission Bandwidth, High Channel

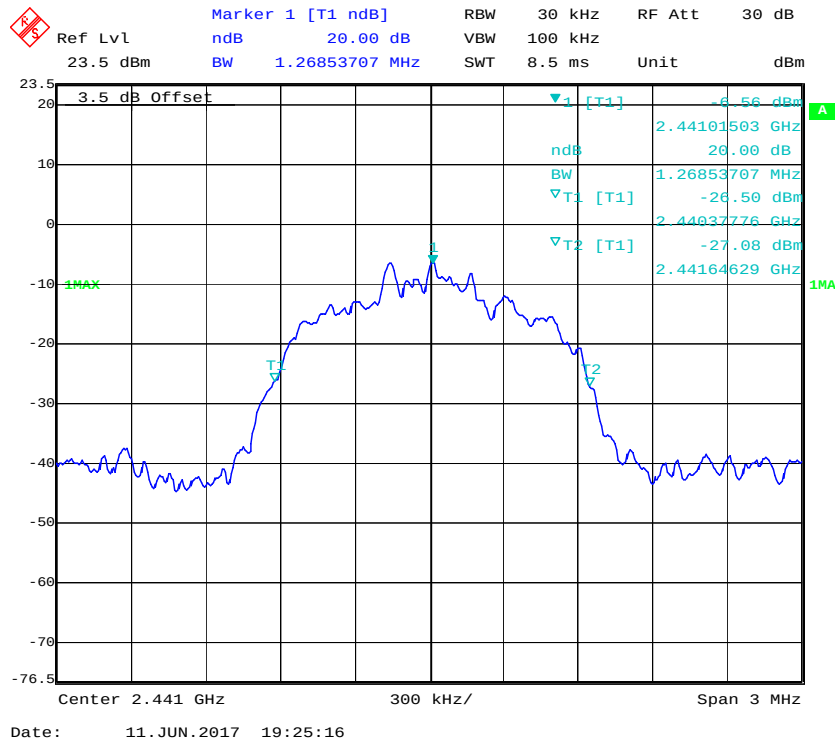


EDR (8DPSK):

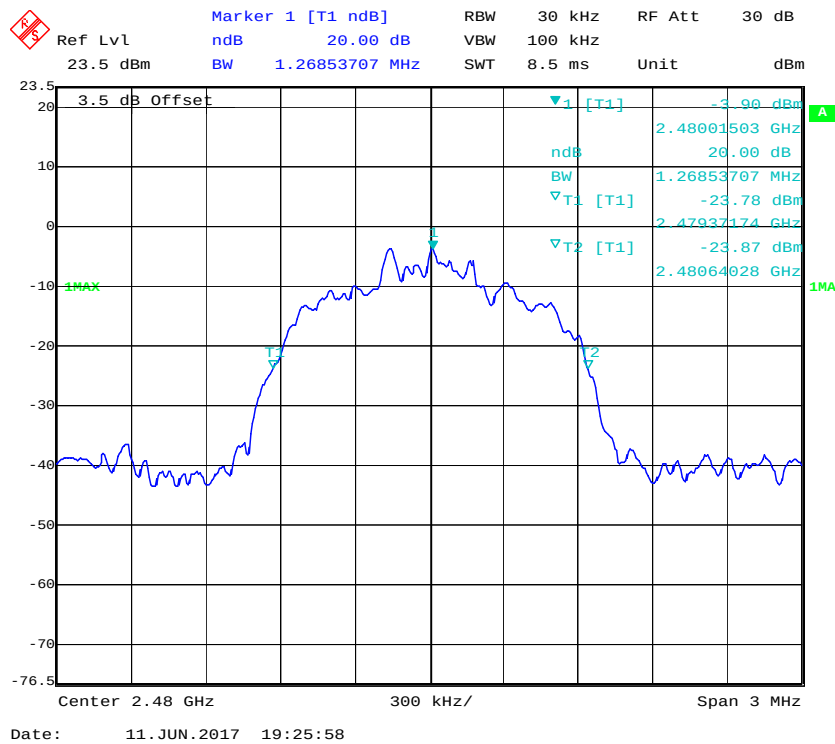
20dB Emission Bandwidth, Low Channel



20dB Emission Bandwidth, Middle Channel

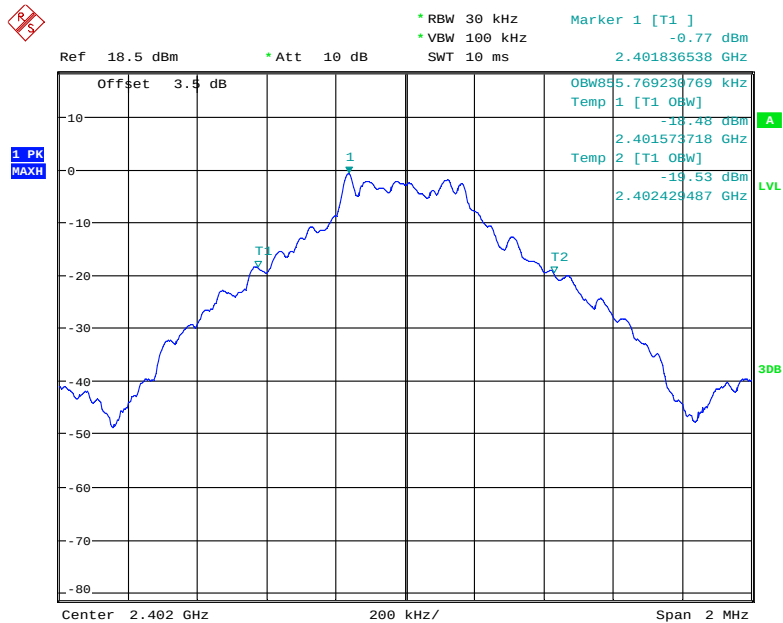


20dB Emission Bandwidth, High Channel



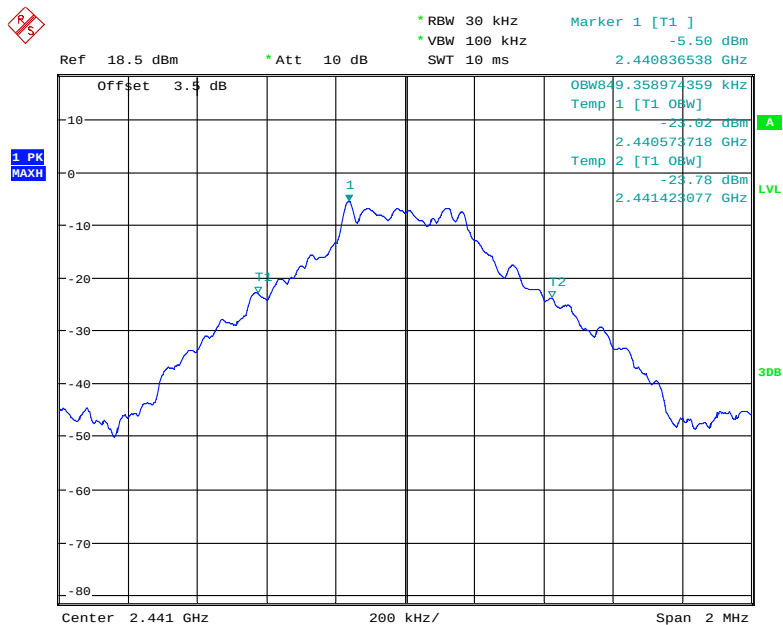
BDR (GFSK):

99% Occupied Bandwidth, Low Channel



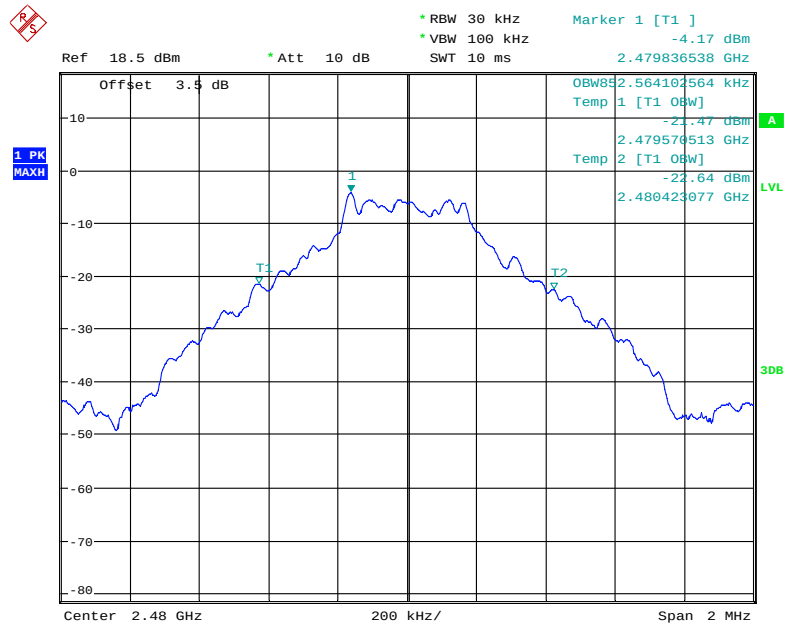
Date: 19.DEC.2017 19:31:14

99% Occupied Bandwidth, Middle Channel



Date: 19.DEC.2017 19:32:23

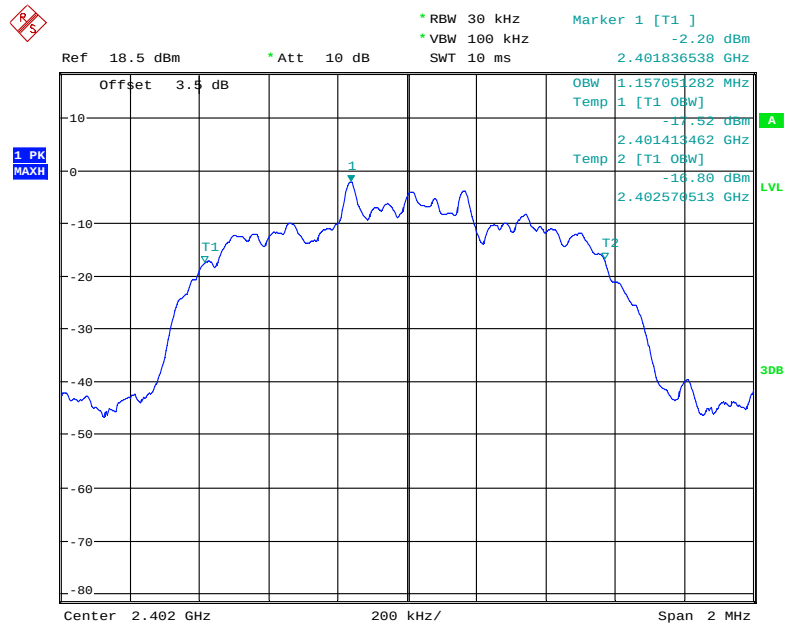
99% Occupied Bandwidth, High Channel



Date: 19.DEC.2017 19:33:06

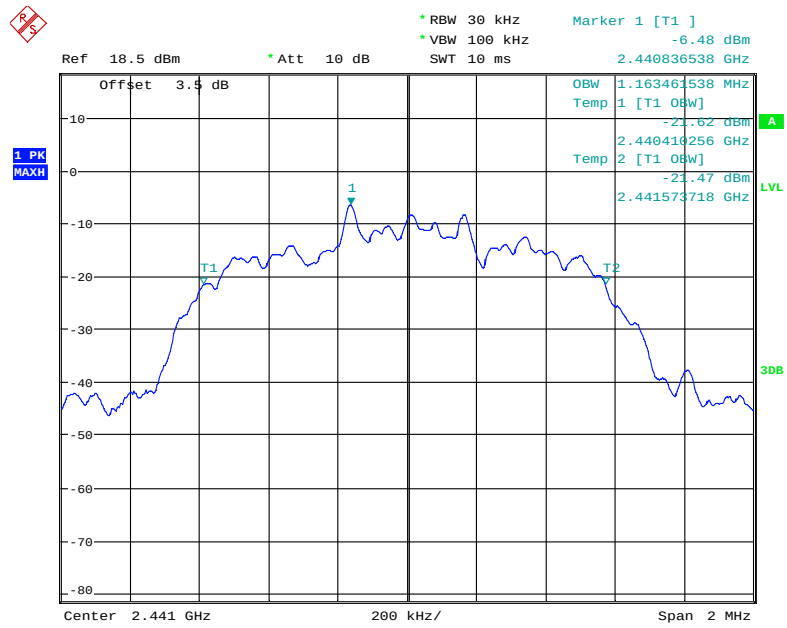
EDR ($\pi/4$ -DQPSK):

99% Occupied Bandwidth, Low Channel



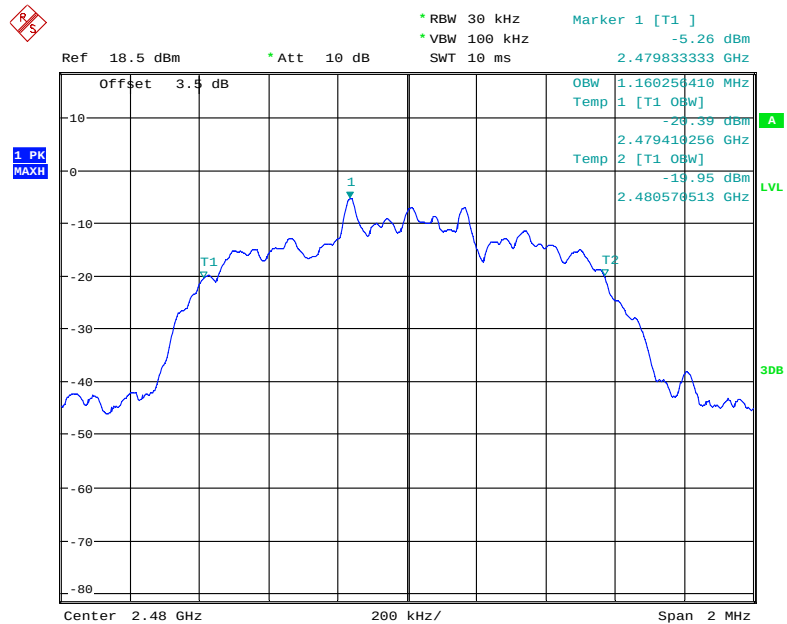
Date: 19.DEC.2017 19:30:01

99% Occupied Bandwidth, Middle Channel



Date: 19.DEC.2017 19:29:03

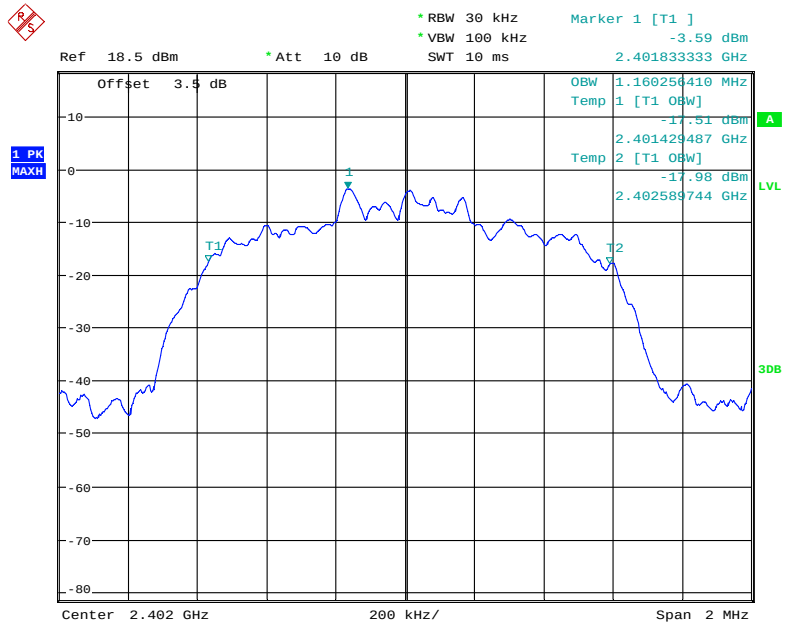
99% Occupied Bandwidth, High Channel



Date: 19.DEC.2017 19:28:27

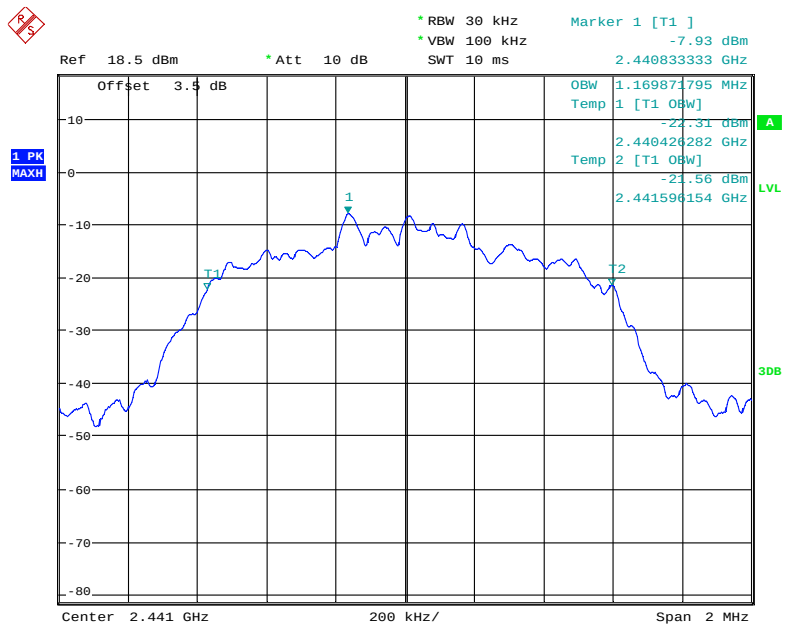
EDR (8DPSK):

99% Occupied Bandwidth, Low Channel



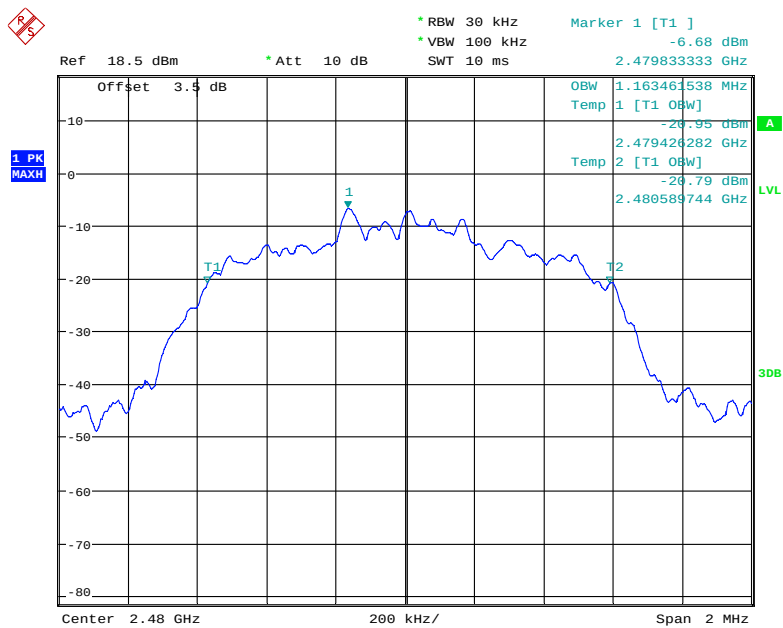
Date: 19.DEC.2017 19:26:00

99% Occupied Bandwidth, Middle Channel



Date: 19.DEC.2017 19:26:58

99% Occupied Bandwidth, High Channel



Date: 19.DEC.2017 19:27:37

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

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

Test Procedure

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

Test Data**Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	54 %
ATM Pressure:	101.0 kPa

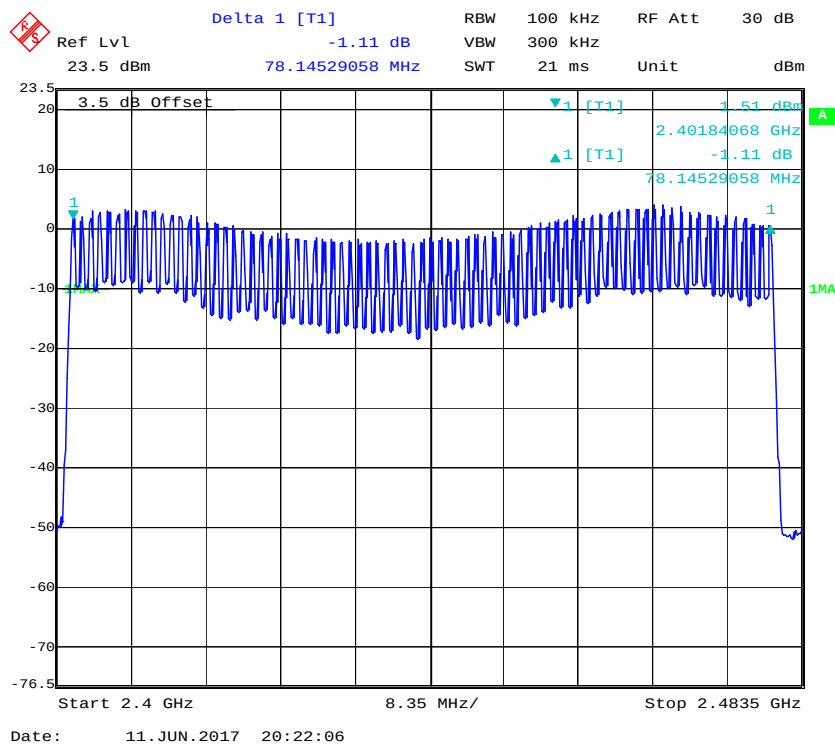
The testing was performed by Echo Wu on 2017-06-11.

EUT operation mode: Transmitting

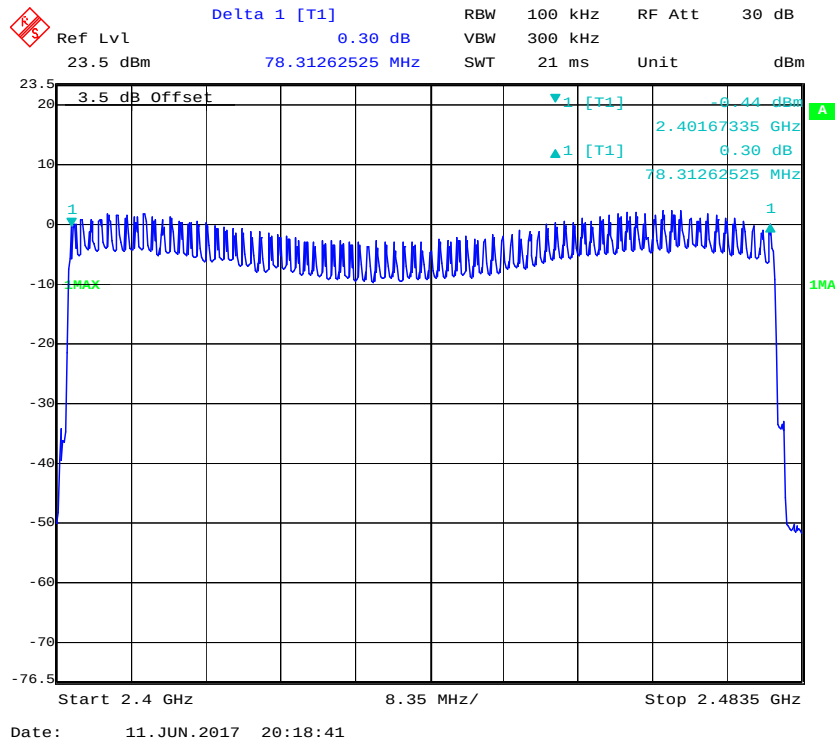
Test Result: Compliance. Please refer to following table and plots.

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

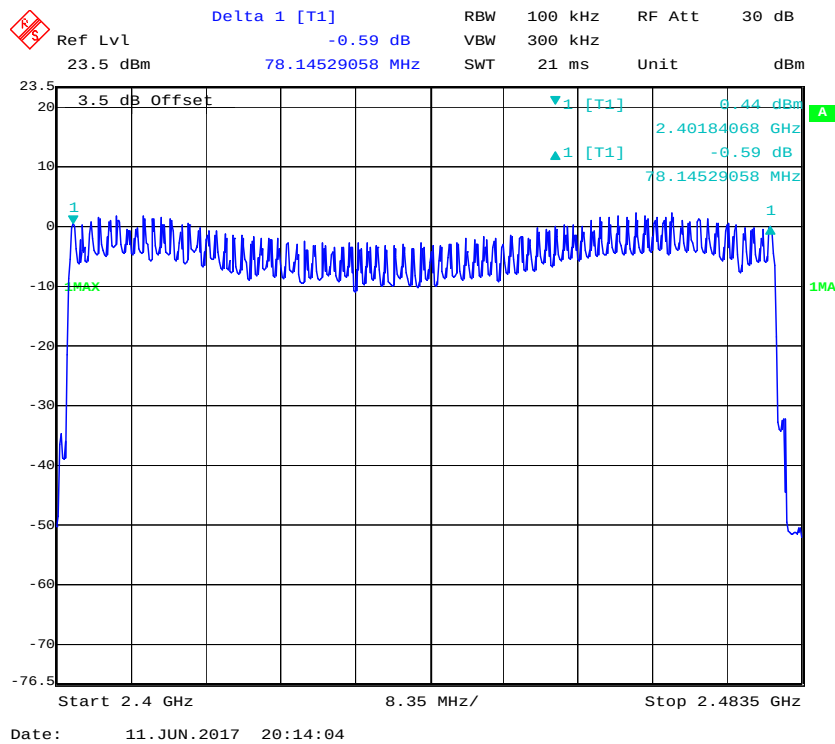
BDR (GFSK): Number of Hopping Channels



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



EDR (8DPSK): Number of Hopping Channels



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

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

Test Procedure

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

Test Data**Environmental Conditions**

Temperature:	25 °C
Relative Humidity:	54 %
ATM Pressure:	101.0 kPa

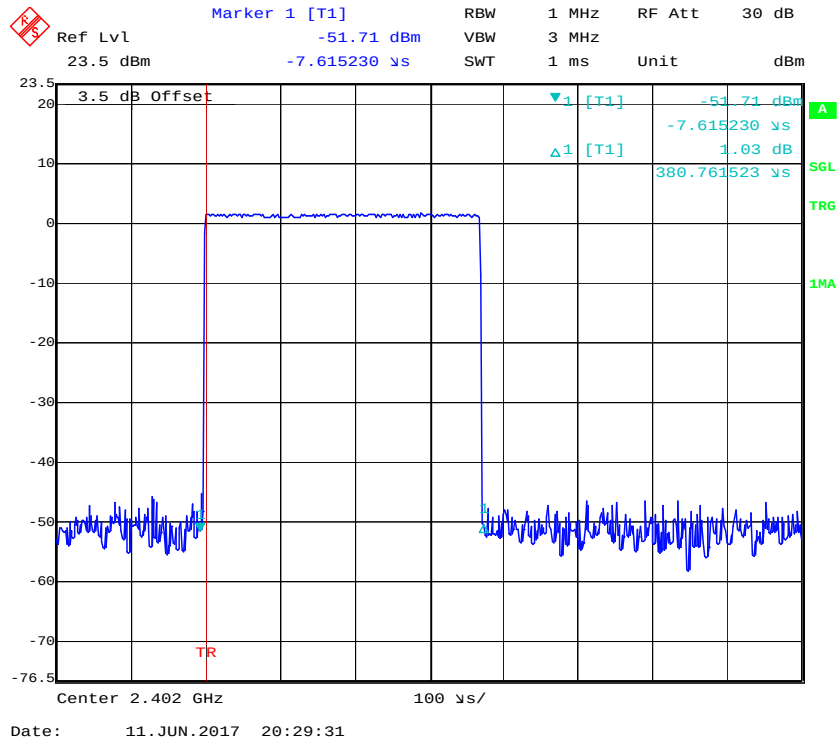
The testing was performed by Echo Wu on 2017-06-11.

EUT operation mode: Transmitting

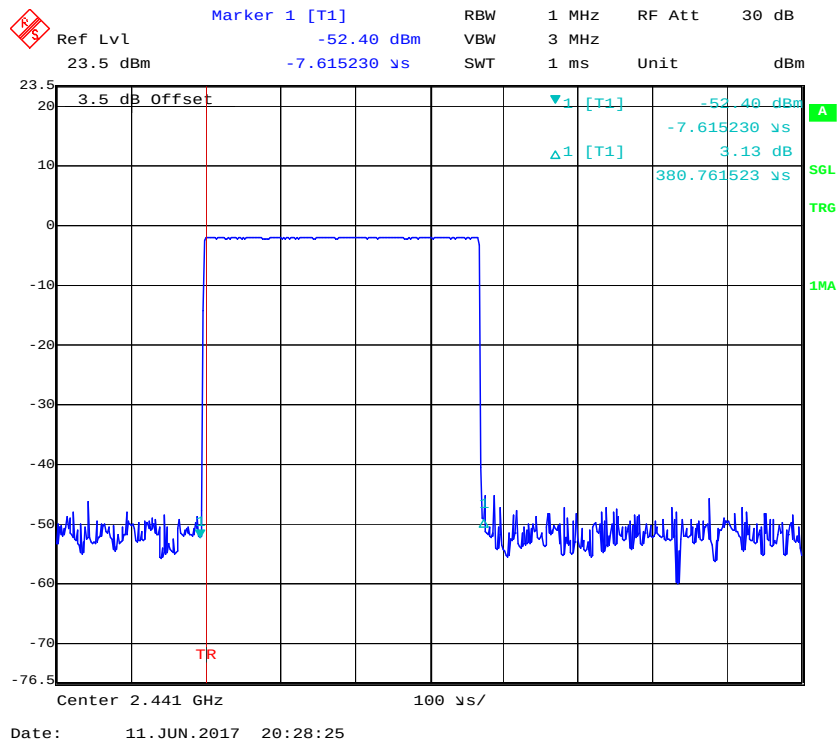
Test Result: Compliance. Please refer to following table and plots.

Mode		Channel	Pulse Width (ms)	Dwell Time (S)	Limit (S)	Result
BDR (GFSK)	DH 1	Low	0.381	0.122	0.4	Pass
		Middle	0.381	0.122	0.4	Pass
		High	0.381	0.122	0.4	Pass
		Note: DH1:Dwell time = Pulse time*(1600/2/79)*31.6S				
	DH 3	Low	1.665	0.266	0.4	Pass
		Middle	1.665	0.266	0.4	Pass
		High	1.665	0.266	0.4	Pass
		Note: DH3:Dwell time = Pulse time*(1600/4/79)*31.6S				
	DH 5	Low	2.890	0.308	0.4	Pass
		Middle	2.890	0.308	0.4	Pass
		High	2.890	0.308	0.4	Pass
		Note: DH5:Dwell time = Pulse time*(1600/6/79)*31.6S				
EDR ($\pi/4$ -DQPSK)	2DH 1	Low	0.391	0.125	0.4	Pass
		Middle	0.391	0.125	0.4	Pass
		High	0.391	0.125	0.4	Pass
		Note: 2DH1:Dwell time = Pulse time*(1600/2/79)*31.6S				
	2DH 3	Low	1.659	0.265	0.4	Pass
		Middle	1.659	0.265	0.4	Pass
		High	1.659	0.265	0.4	Pass
		Note: 2DH3:Dwell time = Pulse time*(1600/4/79)*31.6S				
	2DH 5	Low	2.890	0.308	0.4	Pass
		Middle	2.890	0.308	0.4	Pass
		High	2.890	0.308	0.4	Pass
		Note: 2DH5:Dwell time = Pulse time*(1600/6/79)*31.6S				
EDR (8DPSK)	3DH 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: 3DH1:Dwell time = Pulse time*(1600/2/79)*31.6S				
	3DH 3	Low	1.659	0.265	0.4	Pass
		Middle	1.659	0.265	0.4	Pass
		High	1.659	0.265	0.4	Pass
		Note: 3DH3:Dwell time = Pulse time*(1600/4/79)*31.6S				
	3DH 5	Low	2.890	0.308	0.4	Pass
		Middle	2.890	0.308	0.4	Pass
		High	2.890	0.308	0.4	Pass
		Note: 3DH5:Dwell time = Pulse time*(1600/6/79)*31.6S				

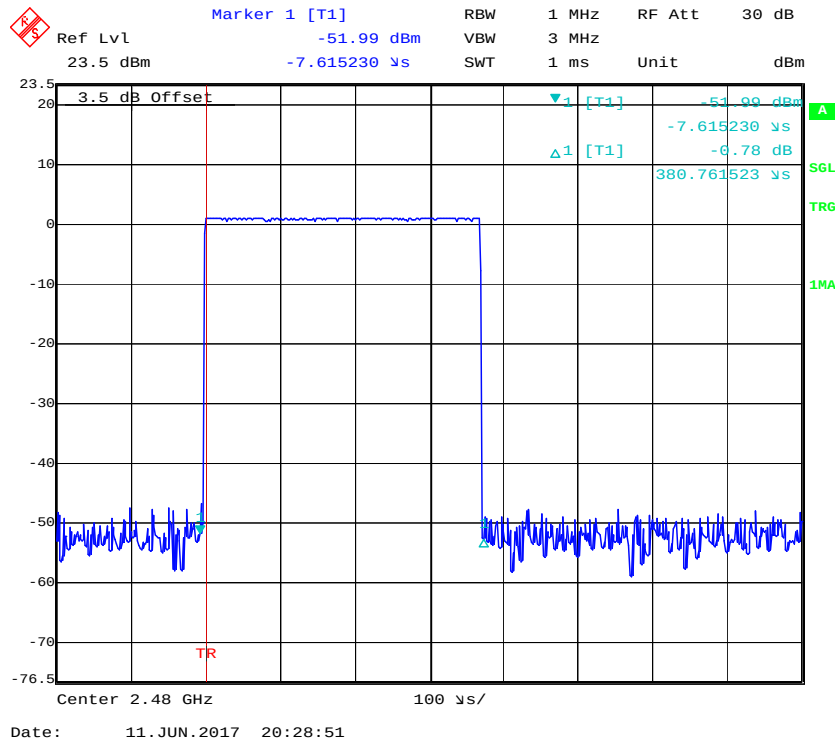
BDR (GFSK): Pulse time, Low Channel, DH1



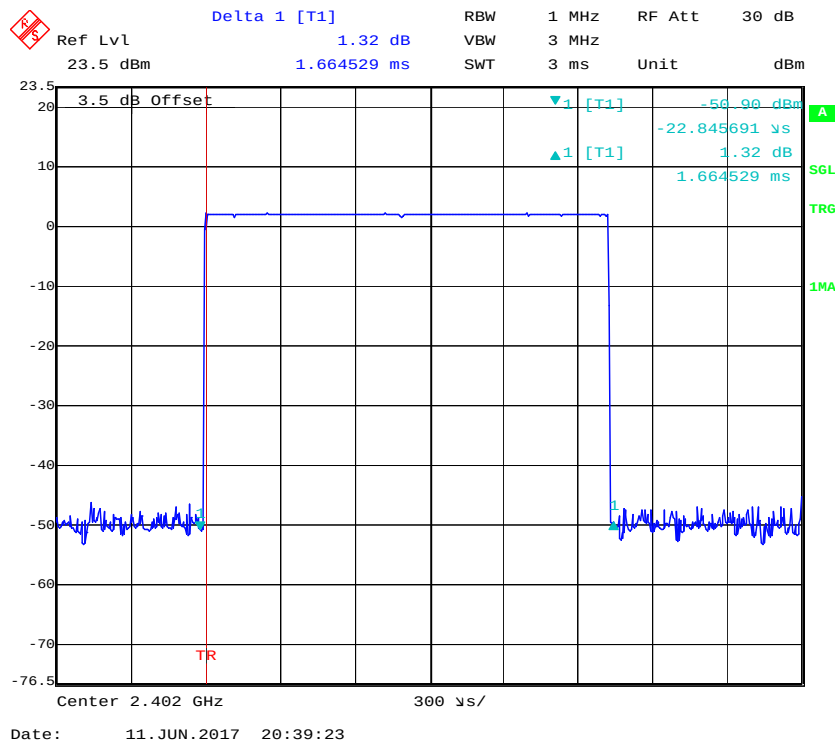
Pulse time, Middle Channel, DH1



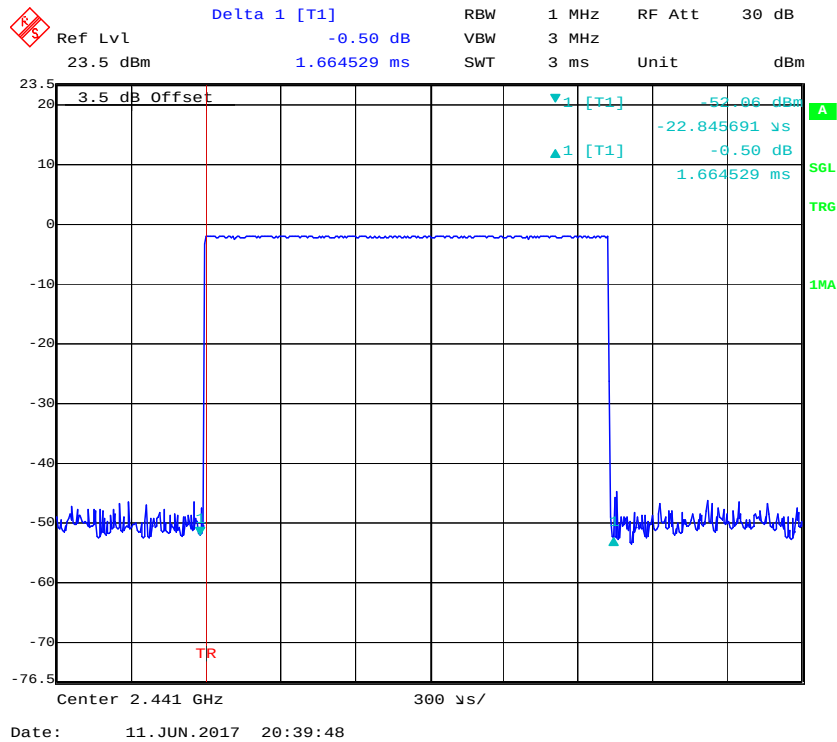
Pulse time, High Channel, DH1



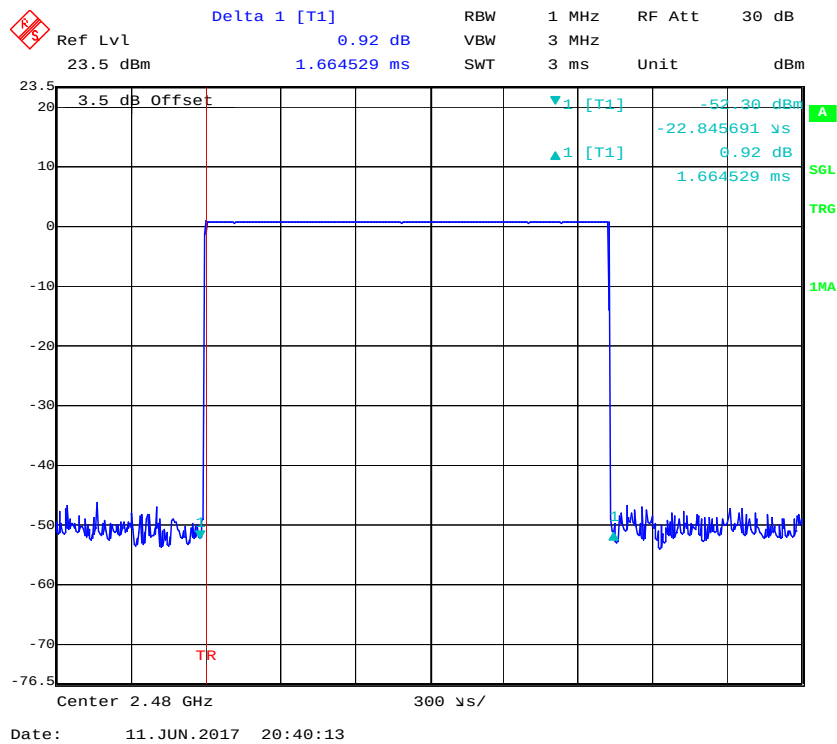
Pulse time, Low Channel, DH3



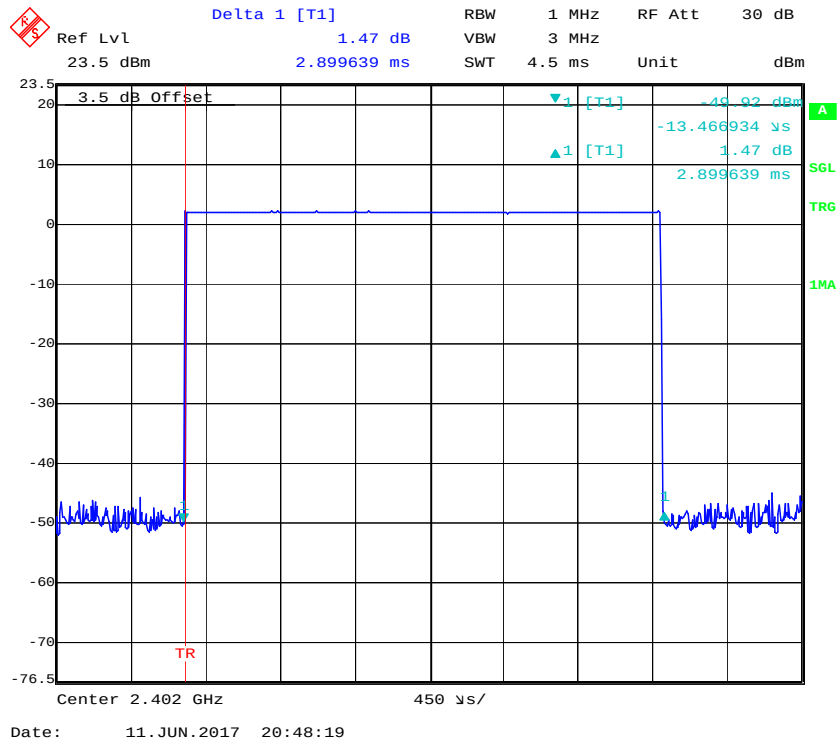
Pulse time, Middle Channel, DH3



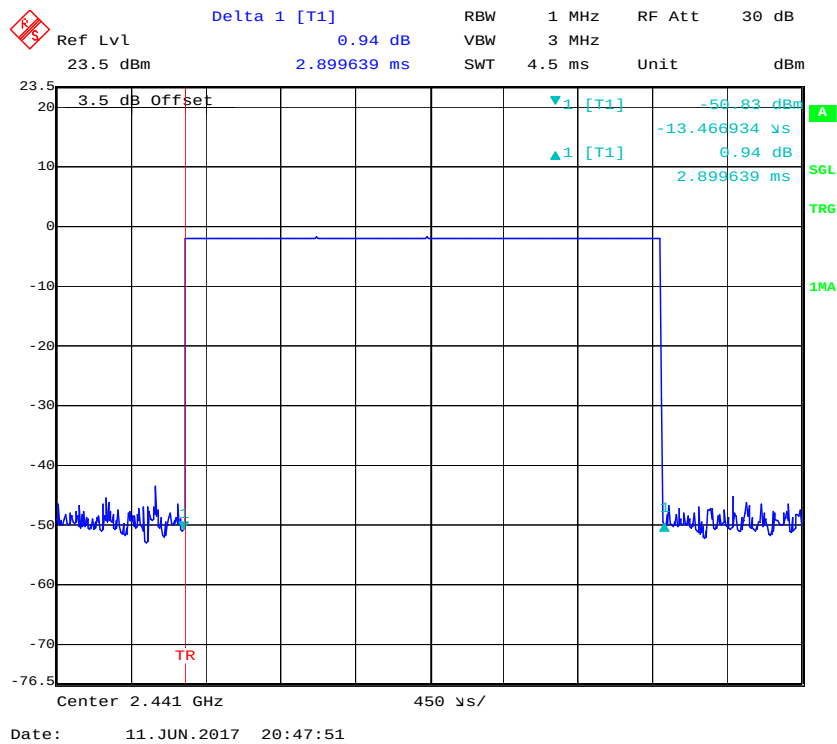
Pulse time, High Channel, DH3



Pulse time, Low Channel, DH5



Pulse time, Middle Channel, DH5



Ref Lvl 23.5 dBm Delta 1 [T1] 1.77 dB RBW 1 MHz RF Att 30 dB
 23.5 dBm 2.899639 ms SWT 4.5 ms Unit dBm

3.5 dB Offset

Center 2.48 GHz 450 μ s/

Delta 1 [T1] 1.77 dB
 2.899639 ms

-53.75 dBm

1 [T1]

TR

1MA

1A

10

20

30

40

50

60

70

80

90

100

110

120

130

140

150

160

170

180

190

200

210

220

230

240

250

260

270

280

290

300

310

320

330

340

350

360

370

380

390

400

410

420

430

440

450

460

470

480

490

500

510

520

530

540

550

560

570

580

590

600

610

620

630

640

650

660

670

680

690

700

710

720

730

740

750

760

770

780

790

800

810

820

830

840

850

860

870

880

890

900

910

920

930

940

950

960

970

980

990

1000

1010

1020

1030

1040

1050

1060

1070

1080

1090

1100

1110

1120

1130

1140

1150

1160

1170

1180

1190

1200

1210

1220

1230

1240

1250

1260

1270

1280

1290

1300

1310

1320

1330

1340

1350

1360

1370

1380

1390

1400

1410

1420

1430

1440

1450

1460

1470

1480

1490

1500

1510

1520

1530

1540

1550

1560

1570

1580

1590

1600

1610

1620

1630

1640

1650

1660

1670

1680

1690

1700

1710

1720

1730

1740

1750

1760

1770

1780

1790

1800

1810

1820

1830

1840

1850

1860

1870

1880

1890

1900

1910

1920

1930

1940

1950

1960

1970

1980

1990

2000

2010

2020

2030

2040

2050

2060

2070

2080

2090

2100

2110

2120

2130

2140

2150

2160

2170

2180

2190

2200

2210

2220

2230

2240

2250

2260

2270

2280

2290

2300

2310

2320

2330

2340

2350

2360

2370

2380

2390

2400

2410

2420

2430

2440

2450

2460

2470

2480

2490

2500

2510

2520

2530

2540

2550

2560

2570

2580

2590

2600

2610

2620

2630

2640

2650

2660

2670

2680

2690

2700

2710

2720

2730

2740

2750

2760

2770

2780

2790

2800

2810

2820

2830

2840

2850

2860

2870

2880

2890

2900

2910

2920

2930

2940

2950

2960

2970

2980

2990

3000

3010

3020

3030

3040

3050

3060

3070

3080

3090

3100

3110

3120

3130

3140

3150

3160

3170

3180

3190

3200

3210

3220

3230

3240

3250

3260

3270

3280

3290

3300

3310

3320

3330

3340

3350

3360

3370

3380

3390

3400

3410

3420

3430

3440

3450

3460

3470

3480

3490

3500

3510

3520

3530

3540

3550

3560

3570

3580

3590

3600

3610

3620

3630

3640

3650

3660

3670

3680

3690

3700

3710

3720

3730

3740

3750

3760

3770

3780

3790

3800

3810

3820

3830

3840

3850

3860

3870

3880

3890

3900

3910

3920

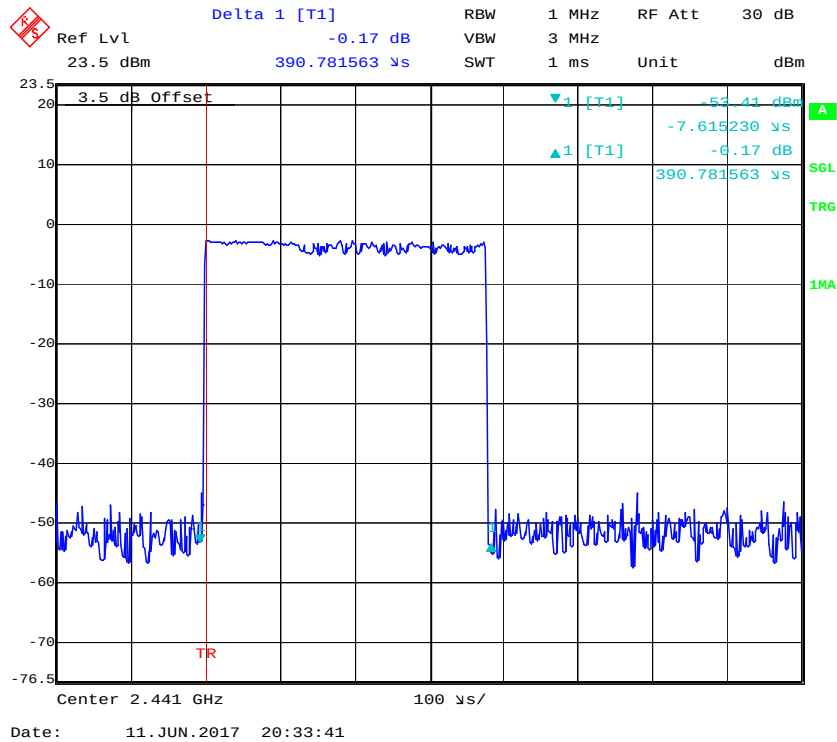
Delta 1 [T1] RBW 1 MHz RF Att 30 dB
 Ref Lvl 23.5 dBm 2.15 dB VBW 3 MHz
 23.5 dBm 390.781563 μ s SWT 1 ms Unit dBm

3.5 dB Offset: -53.64 dBm
 -7.615230 μ s
 2.15 dB
 390.781563 μ s

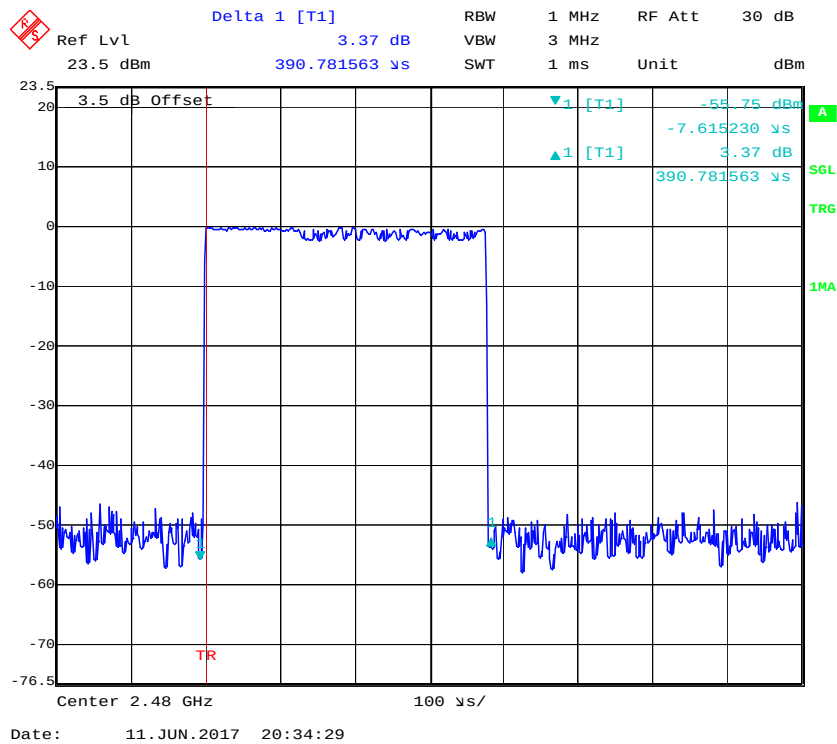
TR
 Center 2.402 GHz 100 μ s/

Date: 11. JUN. 2017 20:34:51

Pulse time, Middle Channel, 2DH1



Pulse time, High Channel, 2DH1



Ref Lvl 23.5 dBm

Marker 1 [T1] -48.51 dBm

RBW 1 MHz

VBW 3 MHz

SWT 3 ms

RF Att 30 dB

Unit dBm

3.5 dB Offset

Center 2.402 GHz

300 μ s/div

Date: 11. JUN. 2017 20:43:22

Ref Lvl 23.5 dBm

Marker 1 [T1] -52.96 dBm

RBW 1 MHz

VBW 3 MHz

SWT 3 ms

RF Att 30 dB

Unit dBm

3.5 dB Offset

20

10

0

-10

-20

-30

-40

-50

-60

-70

-76.5

Center 2.441 GHz

300 μ s/div

TR

1.21 dB

1.658517 ms

-16.833667 μ s

-52.96 dBm

[T1]

[T1]

A

SGL

TRG

1MA

Date: 11. JUN. 2017 20:42:41

Marker 1 [T1]

Ref Lvl	-50.68 dBm	RBW	1 MHz	RF Att	30 dB
23.5 dBm	-16.833667 μ s	VBW	3 MHz	SWT	3 ms
Unit	dBm				

3.5 dB Offset

▼1 [T1] -50.68 dBm
 Δ 1 [T1] -16.833667 μ s
 0.74 dB
 1.658517 ms

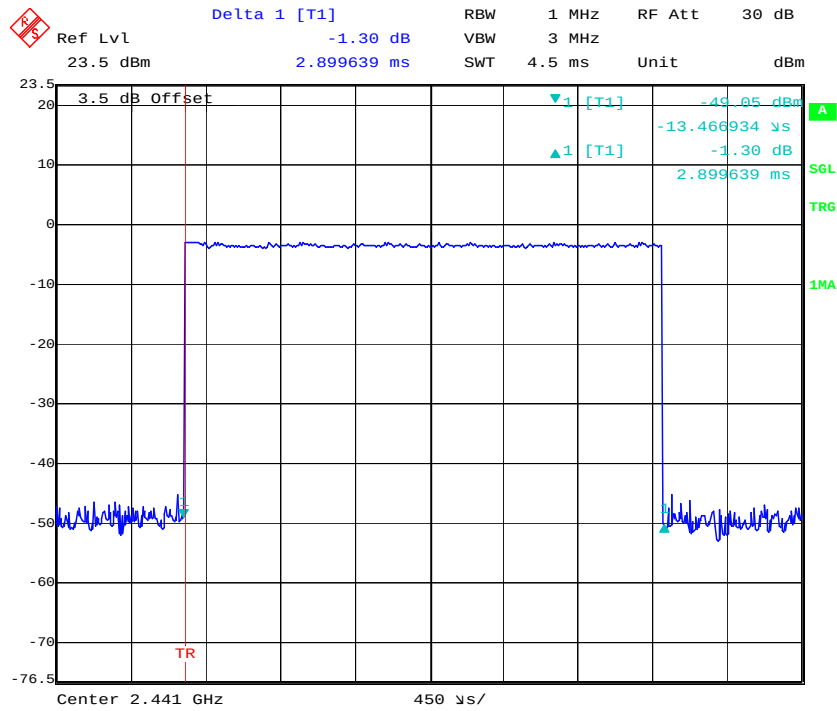
TR

Center 2.48 GHz 300 μ s/

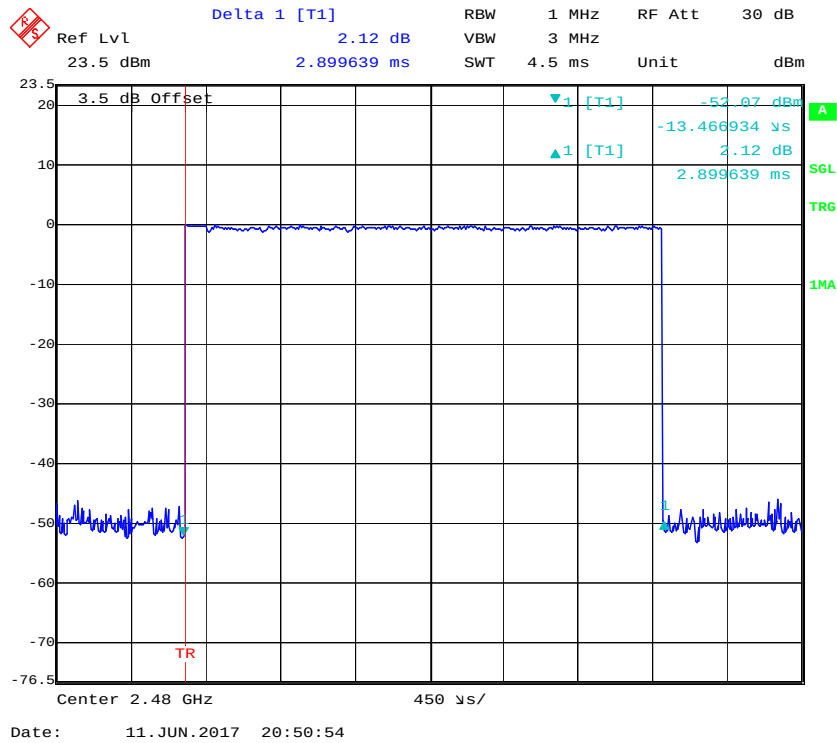
Date: 11. JUN. 2017 20:42:04

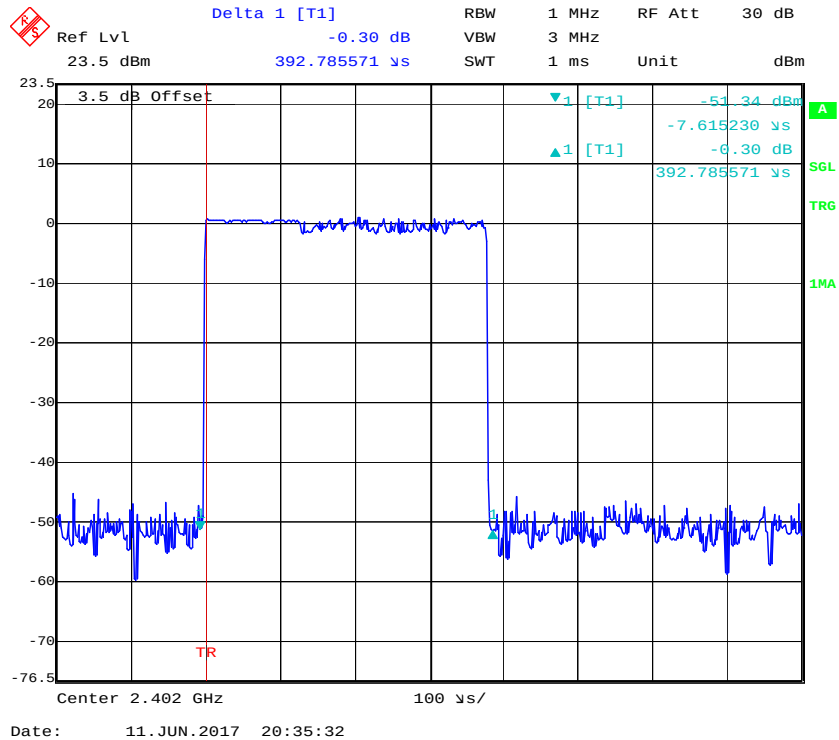
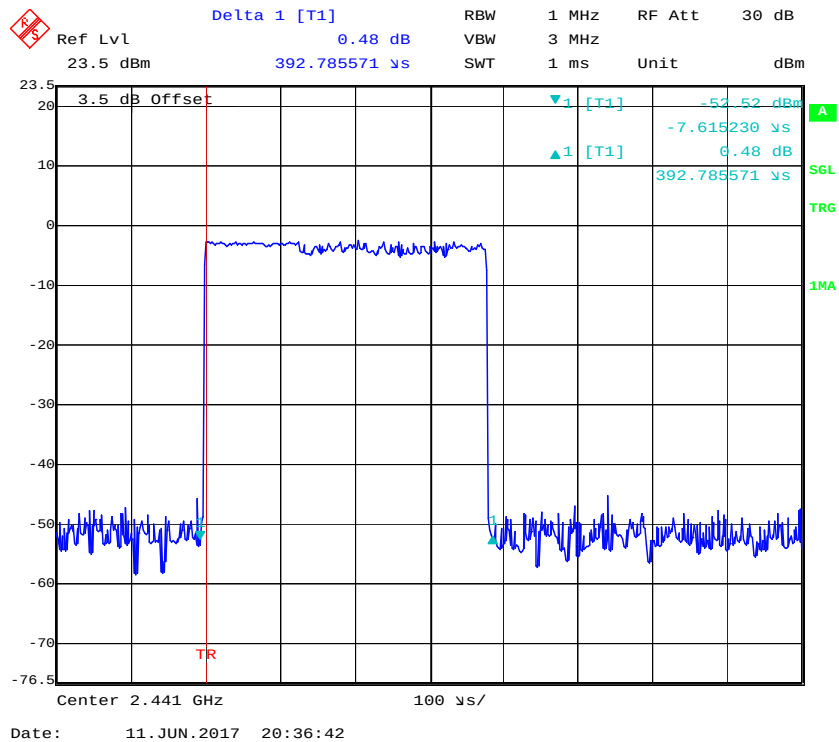
Ref Lvl 23.5 dBm Delta 1 [T1] -1.54 dB RBW 1 MHz RF Att 30 dB
 23.5 dBm 2.899639 ms VBW 3 MHz Unit dBm
 3.5 dB Offset
 -56.29 dBm
 -13.466934 μ s
 -1.54 dB
 2.899639 ms
 TR
 Center 2.402 GHz 450 μ s/
 Date: 11. JUN. 2017 20:49:12

Pulse time, Middle Channel, 2DH5



Pulse time, High Channel, 2DH5



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

Delta 1 [T1]

Ref Lvl 0.17 dB

23.5 dBm 392.785571 μ s

RBW 1 MHz RF Att 30 dB

VBW 3 MHz

SWT 1 ms Unit dBm

3.5 dB Offset

20

10

0

-10

-20

-30

-40

-50

-60

-70

-76.5

Center 2.48 GHz

100 μ s/

3.5 dB Offset

TR

1 [T1]

1 [T1]

-52.08 dBm

-7.615230 μ s

0.17 dB

392.785571 μ s

A

SGL

TRG

1MA

Date: 11. JUN. 2017 20:37:32

Marker 1 [T1]

Parameter	Value
Ref Lvl	-51.05 dBm
RBW	1 MHz
VBW	3 MHz
SWT	3 ms
RF Att	30 dB
Unit	dBm

3.5 dB Offset

TR

Center 2.402 GHz

300 us/

Date: 11. JUN. 2017 20:44:26

Ref Lvl 23.5 dBm

Marker 1 [T1] -50.51 dBm

RBW 1 MHz

VBW 3 MHz

SWT 3 ms

RF Att 30 dB

Unit dBm

3.5 dB Offset

TR

Center 2.441 GHz

300 μ s/div

23.5

20

10

0

-10

-20

-30

-40

-50

-60

-70

-76.5

3.5 dB Offset

TR

Marker 1 [T1] -50.51 dBm

Δ 1 [T1] -16.833667 μ s

6.25 dB

1.658517 ms

Center 2.441 GHz

300 μ s/div

Date: 11. JUN. 2017 20:44:59

Ref Lvl 23.5 dBm

Marker 1 [T1] -50.54 dBm

RBW 1 MHz

VBW 3 MHz

SWT 3 ms

Unit dBm

3.5 dB Offset

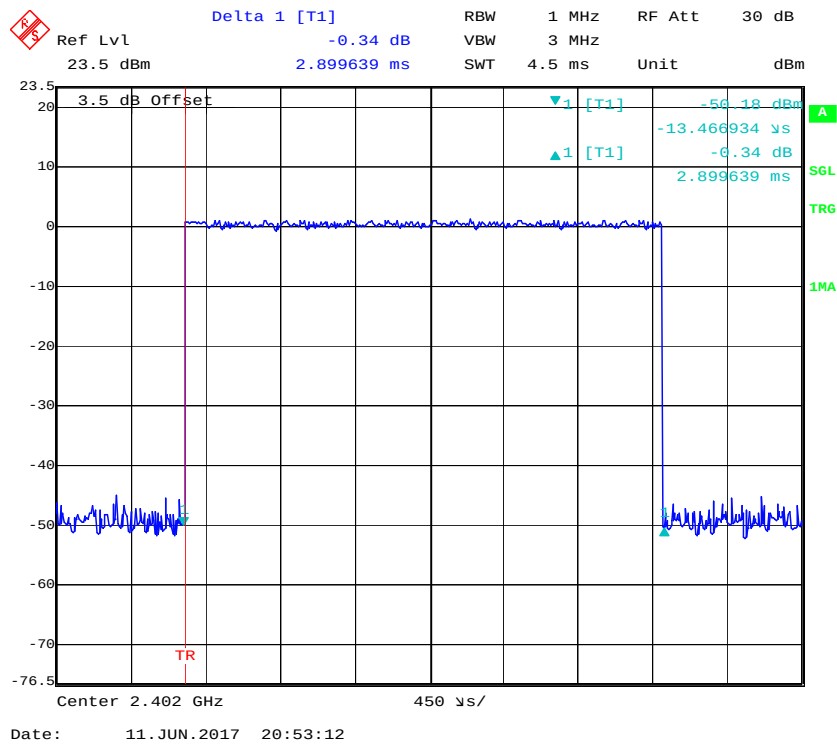
TR 1.658517 ms

Center 2.48 GHz

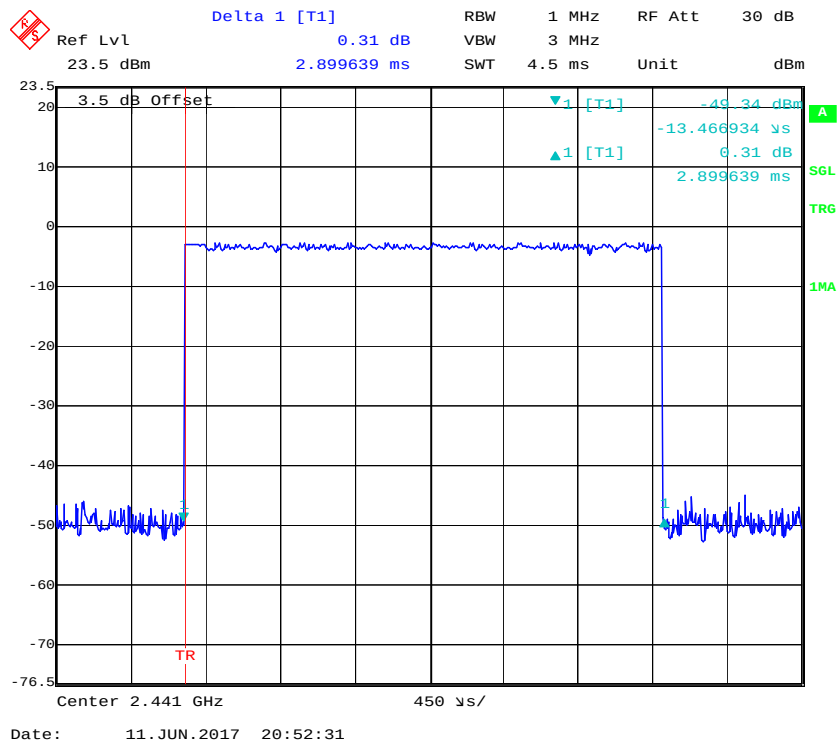
300 μ s/

Date: 11. JUN. 2017 20:45:20

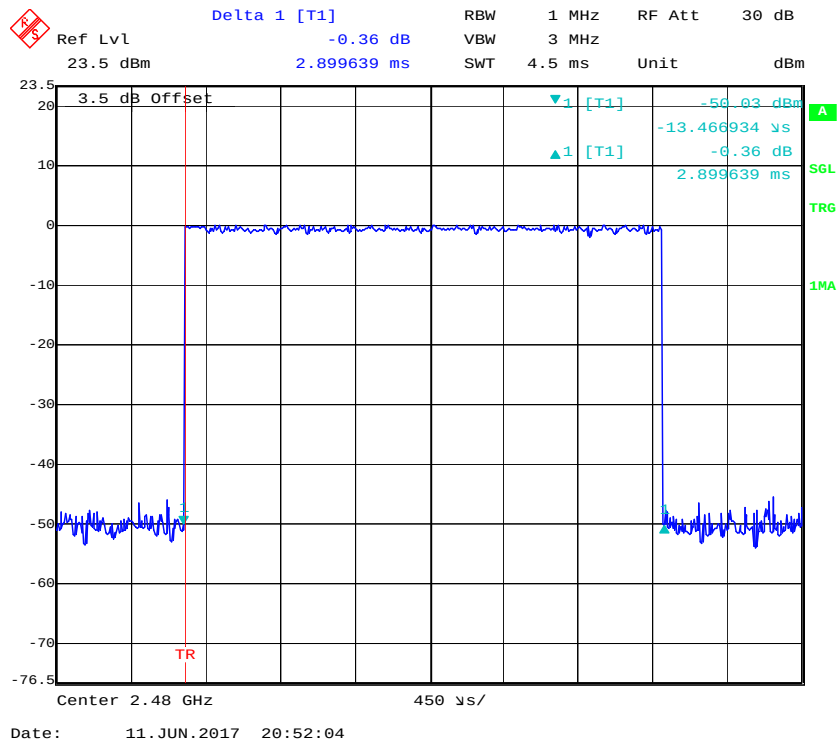
Pulse time, Low Channel, 3DH5



Pulse time, Middle Channel, 3DH5



Pulse time, High Channel, 3DH5



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

Applicable Standard

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

Test Procedure

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

Test Data

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	54 %
ATM Pressure:	101.0 kPa

The testing was performed by Echo Wu on 2017-06-11.

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	2.430	1.750	1000
	Middle	2432	3.590	2.286	1000
		2441	-2.270	0.593	1000
	High	2480	0.560	1.138	1000
EDR ($\pi/4$-DQPSK)	Low	2402	1.560	1.432	1000
	Middle	2432	2.280	1.690	1000
		2441	-2.800	0.525	1000
	High	2480	-0.060	0.986	1000
EDR (8DPSK)	Low	2402	1.690	1.476	1000
	Middle	2432	2.540	1.795	1000
		2441	-2.520	0.560	1000
	High	2480	0.190	1.045	1000

FCC §15.247(d) - BAND EDGES TESTING

Applicable Standard

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

Test Procedure

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

Test Data

Environmental Conditions

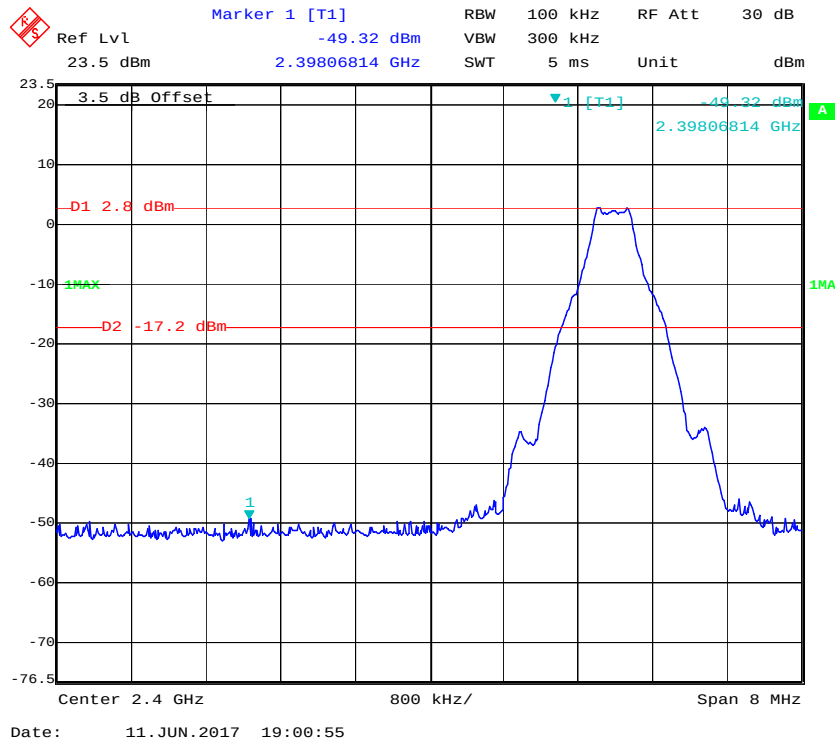
Temperature:	25 °C
Relative Humidity:	54 %
ATM Pressure:	101.0 kPa

The testing was performed by Echo Wu on 2017-06-11.

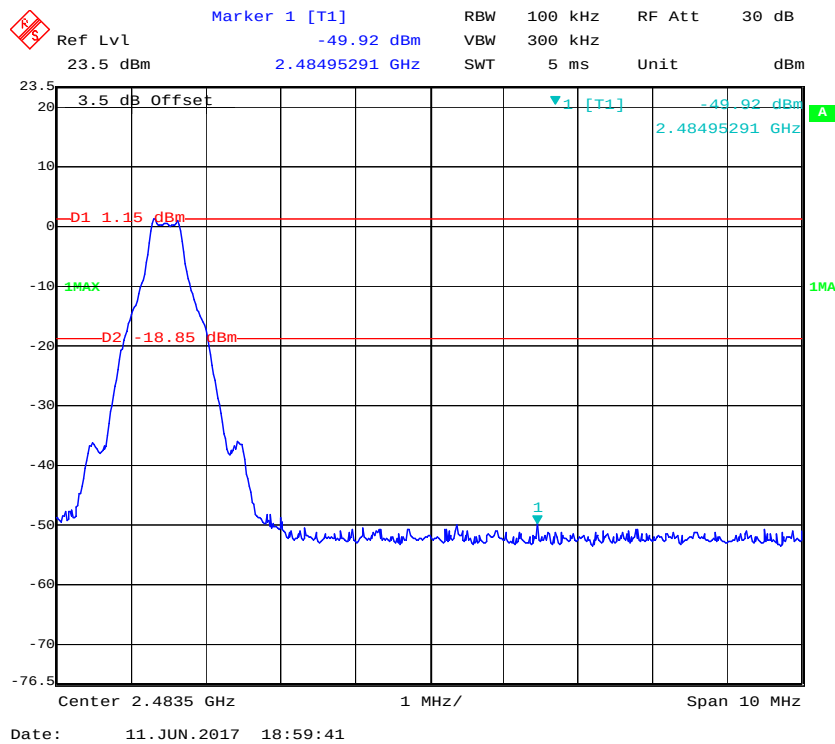
EUT operation mode: Transmitting

Test Result: Compliance. Please refer to following plots.

BDR (GFSK): Band Edge-Left Side



BDR (GFSK): Band Edge-Right Side



[illegible]

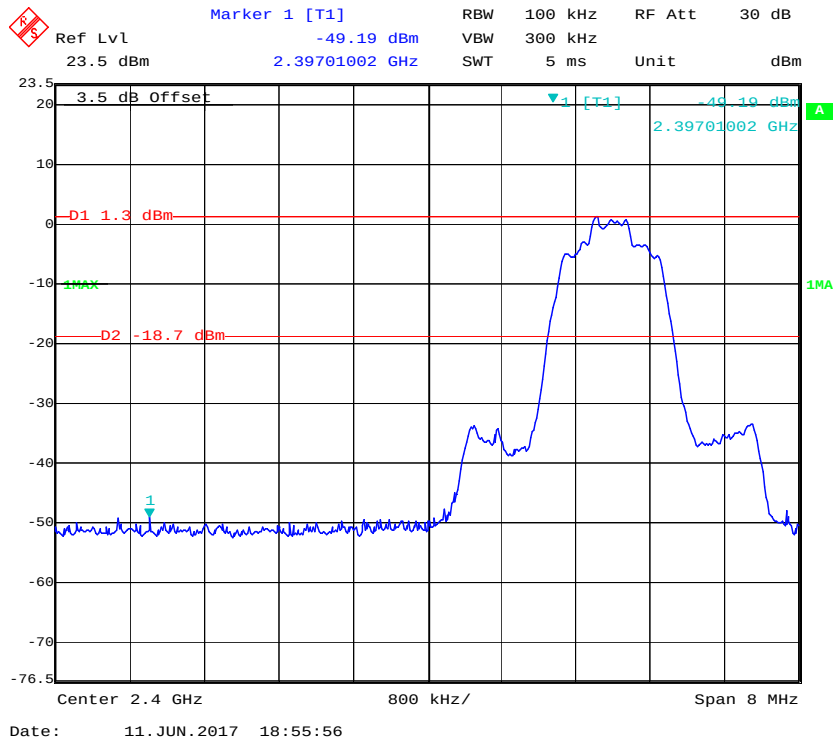
Ref Lvl 23.5 dBm
 Marker 1 [T1] -50.24 dBm
 2.48429158 GHz
 RBW 100 kHz
 VBW 300 kHz
 SWT 5 ms
 RF Att 30 dB
 Unit dBm

3.5 dB Offset
 D1 0.05 dBm
 D2 -10.05 dBm
 1MAX
 1
 1MA

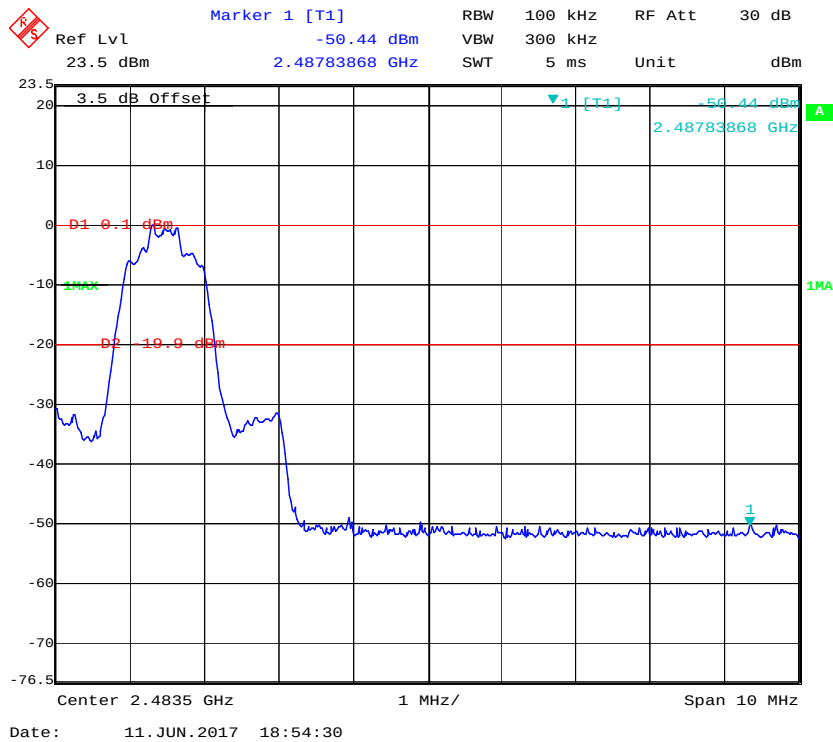
Center 2.4835 GHz
 1 MHz/
 Span 10 MHz

Date: 11. JUN. 2017 18:58:26

EDR (8DPSK): Band Edge-Left Side



BDR (8DPSK): Band Edge-Right Side



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