



FCC PART 15.247

TEST REPORT

For

MAXWEST INTERNATIONAL LIMITED.

No.1,Longgang Road,Buji,Longgang,ShenzhenCity,Guangdong Province, P.R. China

FCC ID: 2AEN3NITRO5W

Report Type: Original Report	Product Name: Mobile Phone
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Report Number: RDG170504008B	
Report Date: 2017-05-25	
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The **MAXWEST INTERNATIONAL LIMITED.**'s product, model number: **NITRO 5W** (**FCC ID: 2AEN3NITRO5W**) (the "EUT") in this report was a **Mobile Phone**, which was measured approximately: 14.6 cm (L) × 7.4 cm (W) × 1 cm (H), rated input voltage: DC3.7V battery or DC5V charging from adapter.

Adapter information:

Model No.: Nitro 5W

INPUT: AC100-240V 50/60Hz

OUTPUT: DC5V±5% 700mA

**All measurement and test data in this report was gathered from final production sample, serial number: 170504008 (assigned by the BACL, Chengdu). It may have deviation from any other sample. The EUT supplied by the applicant was received on 2017-05-04, and EUT conformed to test requirement.*

Objective

This report is prepared on behalf of **MAXWEST INTERNATIONAL LIMITED.** 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 15B JBP submissions with FCC ID: 2AEN3NITRO5W.
FCC Part 15C DTS submissions with FCC ID: 2AEN3NITRO5W.
FCC Part 22H, 24E PCE submissions with FCC ID: 2AEN3NITRO5W.

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 of the measurements detailed in this Test Report were performed by Bay Area Compliance Laboratories Corp. (Chengdu).

The Bay Area Compliance Laboratories Corp. Chengdu's measurement Uncertainties (calculated for a k=2 Coverage Factor corresponding to approximately 95% Coverage) were as follows:

-For all of the AC Line Conducted Emissions Tests reported herein: ± 3.17 dB.

-For of all of the Direct Antenna Conducted Emissions Tests reported herein: ± 0.56 dB.

-For of all of the direct Radiated Emissions Tests reported herein are:

30 MHz to 200 MHz: ± 4.7 dB;

200 MHz to 1 GHz: ± 6.0 dB;

1 GHz to 6 GHz: ± 5.13 dB; and,

6 GHz to 40 GHz: ± 5.47 dB.

And the uncertainty will not be taken into consideration for all test data recorded in the report.

Test Facility

The test site used by BACL to collect test data is located in the No.5040, Huilongwan Plaza, No.1, Shawan Road, Jinniu District, Chengdu, Sichuan, China.

Test site at BACL has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on April 24, 2015. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 560332. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in engineering mode.

EUT Exercise Software

The engineering mode configured the maximum power as default setting.

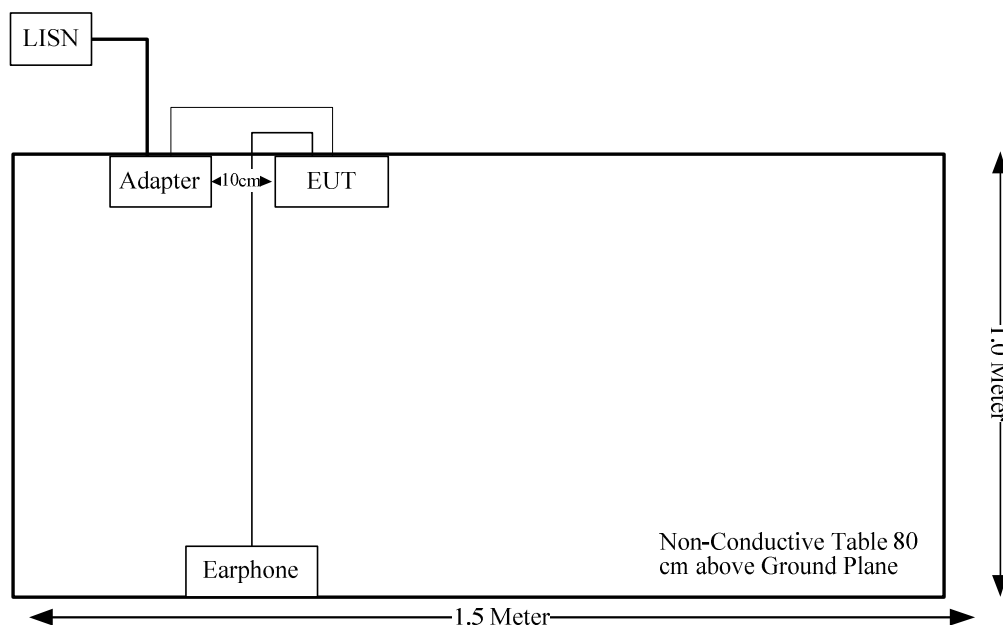
Equipment Modifications

No modification was made to the EUT.

External Cable

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Cable	Yes	No	1.0	USB Port of Adapter	EUT
Earphone Cable	No	No	1.2	Audio Port of EUT	Earphone

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §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

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

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 ≤ 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

- $f(\text{GHz})$ 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 ≤ 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 3.5 dBm (2.24 mW).

$[(\text{max. power of channel, mW})/(\text{min. test separation distance, mm})][\sqrt{f(\text{GHz})}]$
 $= 2.24/5 \cdot (\sqrt{2.480}) = 0.7 < 3.0$

So the stand-alone SAR evaluation is not necessary.

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 Wifi/BT, and the antenna gain is 0.8dBi, fulfill the requirement of this section. Please refer to the EUT photos.

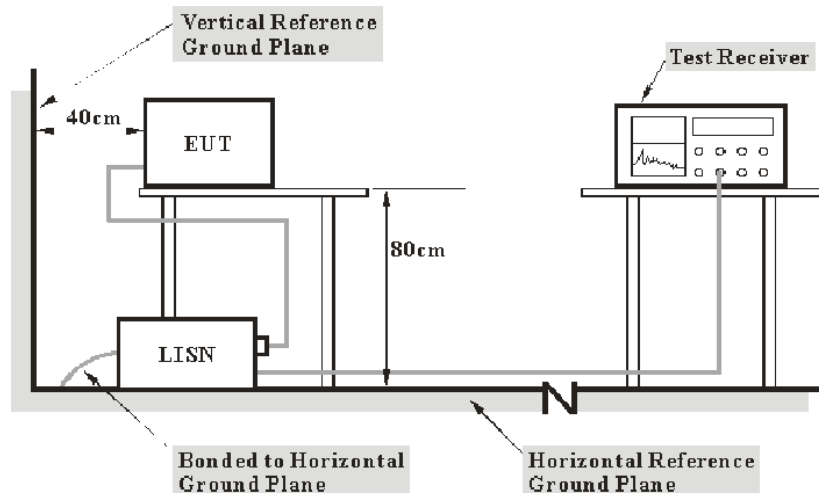
Result: Compliance.

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 maximum 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
Rohde & Schwarz	EMI Test Receiver	ESCS 30	836858/0016	2016-12-02	2017-12-01
Rohde & Schwarz	L.I.S.N.	ENV216	100018	2016-12-02	2017-12-01
Rohde & Schwarz	PULSE LIMITER	ESH3Z2	DE14781	2016-10-31	2017-10-30
Unknown	Conducted Cable	Unknown	NO.5	2016-11-10	2017-11-09
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A

* **Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B “Implementation of traceability policy in accredited laboratories”.

Test Data

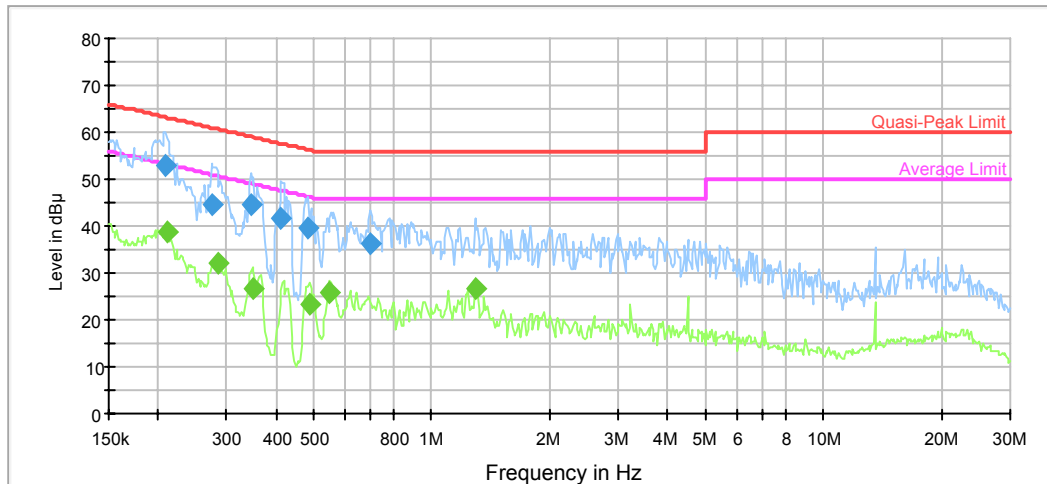
Environmental Conditions

Temperature:	24.8 °C
Relative Humidity:	48 %
ATM Pressure:	98.7 kPa

The testing was performed by Kevin Hu on 2017-05-09.

Test Mode: Transmitting

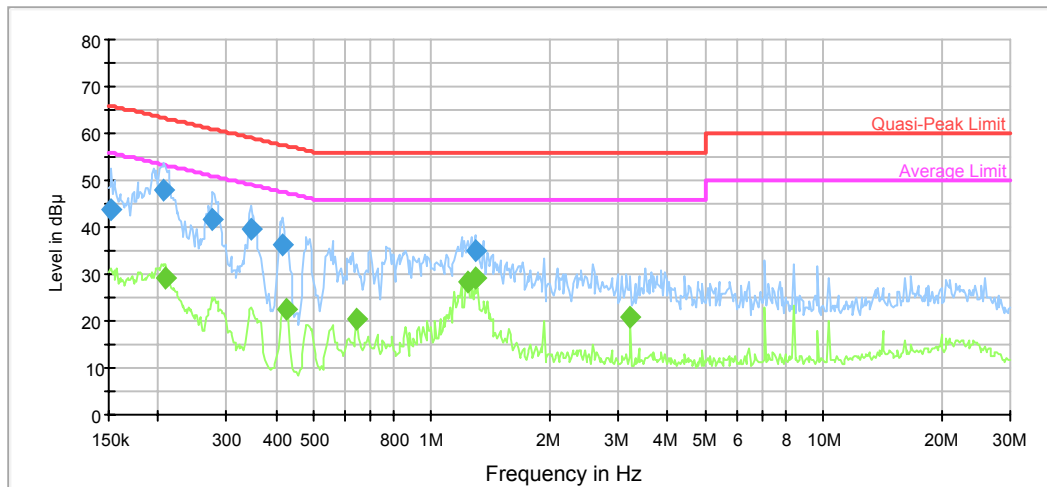
AC120 V, 60 Hz, Line:



Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.209621	52.8	9.000	L1	19.7	10.4	63.2	Compliance
0.274848	44.8	9.000	L1	19.7	16.2	61.0	Compliance
0.346296	44.6	9.000	L1	19.7	14.5	59.1	Compliance
0.412647	41.6	9.000	L1	19.8	16.0	57.6	Compliance
0.483938	39.7	9.000	L1	19.7	16.6	56.3	Compliance
0.698191	36.2	9.000	L1	19.7	19.8	56.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.211298	38.9	9.000	L1	19.7	14.3	53.2	Compliance
0.283749	31.9	9.000	L1	19.7	18.8	50.7	Compliance
0.349066	26.5	9.000	L1	19.7	22.5	49.0	Compliance
0.487810	23.4	9.000	L1	19.7	22.8	46.2	Compliance
0.549741	26.0	9.000	L1	19.7	20.0	46.0	Compliance
1.289541	26.7	9.000	L1	19.7	19.3	46.0	Compliance

AC120 V, 60 Hz, Neutral:



Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.152410	43.9	9.000	N	19.7	21.9	65.9	Compliance
0.207957	47.8	9.000	N	19.6	15.5	63.3	Compliance
0.277046	41.7	9.000	N	19.6	19.2	60.9	Compliance
0.346296	39.8	9.000	N	19.6	19.3	59.1	Compliance
0.415949	36.5	9.000	N	19.6	21.0	57.5	Compliance
1.289541	35.0	9.000	N	19.6	21.0	56.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.209621	29.0	9.000	N	19.6	24.2	53.2	Compliance
0.426011	22.6	9.000	N	19.6	24.7	47.3	Compliance
0.644717	20.3	9.000	N	19.6	25.7	46.0	Compliance
1.239175	28.3	9.000	N	19.6	17.7	46.0	Compliance
1.289541	29.0	9.000	N	19.6	17.0	46.0	Compliance
3.224010	20.9	9.000	N	19.7	25.1	46.0	Compliance

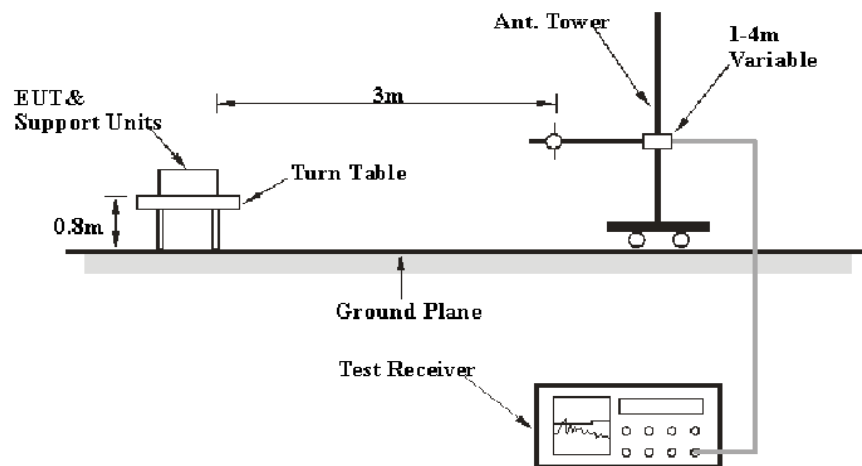
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

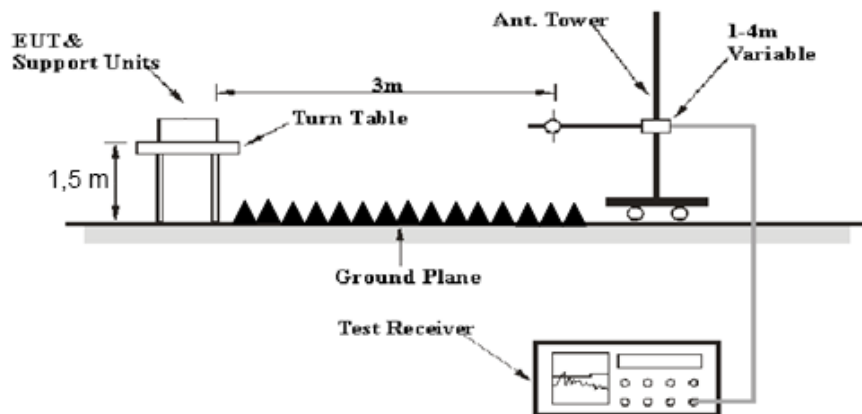
FCC §15.247 (d); §15.209; §15.205;

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission 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
Agilent	Amplifier	8447D	2944A10442	2016-12-02	2017-12-01
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2016-12-02	2017-12-01
Sunol Sciences	Broadband Antenna	JB3	A121808	2016-04-10	2019-04-09
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
ETS	Horn Antenna	3115	003-6076	2016-12-02	2017-12-01
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-0113024	2014-06-16	2017-06-15
Mini-circuits	Amplifier	ZVA-183-S+	771001215	2016-05-20	2017-05-19
HP	Amplifier	8449B	3008A00277	2016-12-02	2017-12-01
EMCT	Semi-Anechoic Chamber	966	966-1	2015-04-24	2018-04-23
Unknown	RF Cable (below 1GHz)	Unknown	NO.1	2016-11-10	2017-11-09
Unknown	RF Cable (below 1GHz)	Unknown	NO.4	2016-11-10	2017-11-09
Unknown	RF Cable (above 1GHz)	Unknown	NO.2	2016-11-10	2017-11-09

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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

Temperature:	23 °C
Relative Humidity:	53 %
ATM Pressure:	95.7 kPa

** The testing was performed by Kevin Hu on 2017-05-11.*

Test Mode: Transmitting

30MHz-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	70.05	PK	H	23.53	3.00	0.00	96.58	N/A	N/A
2402	59.7	AV	H	23.53	3.00	0.00	86.23	N/A	N/A
2402	67.14	PK	V	23.53	3.00	0.00	93.67	N/A	N/A
2402	57.23	AV	V	23.53	3.00	0.00	83.76	N/A	N/A
2390	34.09	PK	H	23.57	3.00	0.00	60.66	74.00	13.34
2390	21.19	AV	H	23.57	3.00	0.00	47.76	54.00	6.24
4804	44.94	PK	H	30.77	5.12	26.87	53.96	74.00	20.04
4804	35.34	AV	H	30.77	5.12	26.87	44.36	54.00	9.64
7206	42.74	PK	H	34.71	6.16	26.35	57.26	74.00	16.74
7206	32.27	AV	H	34.71	6.16	26.35	46.79	54.00	7.21
3084	50.17	PK	H	24.67	3.56	26.44	51.96	74.00	22.04
3084	49.74	AV	H	24.67	3.56	26.44	51.53	54.00	2.47
44.55	36.4	QP	H	11.82	0.34	28.51	20.05	40.00	19.95
30.97	27.1	QP	H	22.09	0.32	28.57	20.94	40.00	19.06
Middle Channel: 2441 MHz									
2441	74.75	PK	H	23.40	3.00	0.00	101.15	N/A	N/A
2441	65.34	AV	H	23.40	3.00	0.00	91.74	N/A	N/A
2441	71.59	PK	V	23.40	3.00	0.00	97.99	N/A	N/A
2441	60.93	AV	V	23.40	3.00	0.00	87.33	N/A	N/A
4882	43.89	PK	H	31.02	5.09	26.87	53.13	74.00	20.87
4882	34.97	AV	H	31.02	5.09	26.87	44.21	54.00	9.79
7323	42.98	PK	H	34.95	6.22	26.40	57.75	74.00	16.25
7323	32.51	AV	H	34.95	6.22	26.40	47.28	54.00	6.72
3642	46.85	PK	H	27.57	4.39	26.58	52.23	74.00	21.77
3642	37.1	AV	H	27.57	4.39	26.58	42.48	54.00	11.52
2453	44.53	PK	H	23.36	3.00	26.88	44.01	74.00	29.99
2453	33.83	AV	H	23.36	3.00	26.88	33.31	54.00	20.69
44.55	36.3	QP	H	11.82	0.34	28.51	19.95	40.00	20.05
30.97	27.2	QP	H	22.09	0.32	28.57	21.04	40.00	18.96
High Channel: 2480 MHz									
2480	75.24	PK	H	23.27	2.99	0.00	101.50	N/A	N/A
2480	62.01	AV	H	23.27	2.99	0.00	88.27	N/A	N/A
2480	68.77	PK	V	23.27	2.99	0.00	95.03	N/A	N/A
2480	55.90	AV	V	23.27	2.99	0.00	82.16	N/A	N/A
2483.5	32.95	PK	H	23.26	2.99	0.00	59.20	74.00	14.80
2483.5	22.93	AV	H	23.26	2.99	0.00	49.18	54.00	4.82
4960	42.75	PK	H	31.27	5.05	26.88	52.19	74.00	21.81
4960	34.24	AV	H	31.27	5.05	26.88	43.68	54.00	10.32
7440	43.30	PK	H	35.18	6.27	26.45	58.30	74.00	15.70
7440	32.63	AV	H	35.18	6.27	26.45	47.63	54.00	6.37
2453	48.07	PK	H	23.36	3.00	26.88	47.55	74.00	26.45
2453	32.84	AV	H	23.36	3.00	26.88	32.32	54.00	21.68
44.55	36.3	QP	H	11.82	0.34	28.51	19.95	40.00	20.05
30.97	27.1	QP	H	22.09	0.32	28.57	20.94	40.00	19.06

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	73.68	PK	H	23.53	3.00	0.00	100.21	N/A	N/A
2402	65.12	AV	H	23.53	3.00	0.00	91.65	N/A	N/A
2402	70.82	PK	V	23.53	3.00	0.00	97.35	N/A	N/A
2402	60.64	AV	V	23.53	3.00	0.00	87.17	N/A	N/A
2390	29.98	PK	H	23.57	3.00	0.00	56.55	74.00	17.45
2390	21.44	AV	H	23.57	3.00	0.00	48.01	54.00	5.99
4804	43.74	PK	H	30.77	5.12	26.87	52.76	74.00	21.24
4804	34.94	AV	H	30.77	5.12	26.87	43.96	54.00	10.04
7206	43.05	PK	H	34.71	6.16	26.35	57.57	74.00	16.43
7206	32.37	AV	H	34.71	6.16	26.35	46.89	54.00	7.11
3254	48.36	PK	H	25.62	3.81	26.50	51.29	74.00	22.71
3254	37.65	AV	H	25.62	3.81	26.50	40.58	54.00	13.42
44.55	36.3	QP	H	11.82	0.34	28.51	19.95	40.00	20.05
30.97	27.5	QP	H	22.09	0.32	28.57	21.34	40.00	18.66
Middle Channel: 2441 MHz									
2441	74.2	PK	H	23.40	3.00	0.00	100.60	N/A	N/A
2441	60.09	AV	H	23.40	3.00	0.00	86.49	N/A	N/A
2441	71.56	PK	V	23.40	3.00	0.00	97.96	N/A	N/A
2441	60.06	AV	V	23.40	3.00	0.00	86.46	N/A	N/A
4882	44.09	PK	H	31.02	5.09	26.87	53.33	74.00	20.67
4882	35.89	AV	H	31.02	5.09	26.87	45.13	54.00	8.87
7323	42.72	PK	H	34.95	6.22	26.40	57.49	74.00	16.51
7323	33.29	AV	H	34.95	6.22	26.40	48.06	54.00	5.94
2388	48.12	PK	H	23.58	3.00	26.87	47.83	74.00	26.17
2388	37.99	AV	H	23.58	3.00	26.87	37.70	54.00	16.30
2482	45.54	PK	H	23.26	2.99	26.89	44.90	74.00	29.10
2482	33.9	AV	H	23.26	2.99	26.89	33.26	54.00	20.74
44.55	36.1	QP	H	11.82	0.34	28.51	19.75	40.00	20.25
30.97	27.4	QP	H	22.09	0.32	28.57	21.24	40.00	18.76
High Channel: 2480 MHz									
2480	74.46	PK	H	23.27	2.99	0.00	100.72	N/A	N/A
2480	62.35	AV	H	23.27	2.99	0.00	88.61	N/A	N/A
2480	71.83	PK	V	23.27	2.99	0.00	98.09	N/A	N/A
2480	60.3	AV	V	23.27	2.99	0.00	86.56	N/A	N/A
2483.5	35.75	PK	H	23.26	2.99	0.00	62.00	74.00	12.00
2483.5	22.62	AV	H	23.26	2.99	0.00	48.87	54.00	5.13
4960	44.69	PK	H	31.27	5.05	26.88	54.13	74.00	19.87
4960	35.59	AV	H	31.27	5.05	26.88	45.03	54.00	8.97
7440	42.82	PK	H	35.18	6.27	26.45	57.82	74.00	16.18
7440	33.5	AV	H	35.18	6.27	26.45	48.50	54.00	5.50
3244	48.87	PK	H	25.57	3.80	26.50	51.74	74.00	22.26
3244	33.21	AV	H	25.57	3.80	26.50	36.08	54.00	17.92
44.55	35.9	QP	H	11.82	0.34	28.51	19.55	40.00	20.45
30.97	27.4	QP	H	22.09	0.32	28.57	21.24	40.00	18.76

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	74.3	PK	H	23.53	3.00	0.00	100.83	N/A	N/A
2402	65.72	AV	H	23.53	3.00	0.00	92.25	N/A	N/A
2402	70.83	PK	V	23.53	3.00	0.00	97.36	N/A	N/A
2402	60.13	AV	V	23.53	3.00	0.00	86.66	N/A	N/A
2390	29.94	PK	H	23.57	3.00	0.00	56.51	74.00	17.49
2390	21.06	AV	H	23.57	3.00	0.00	47.63	54.00	6.37
4804	44.18	PK	H	30.77	5.12	26.87	53.20	74.00	20.80
4804	35.76	AV	H	30.77	5.12	26.87	44.78	54.00	9.22
7206	42.51	PK	H	34.71	6.16	26.35	57.03	74.00	16.97
7206	32.12	AV	H	34.71	6.16	26.35	46.64	54.00	7.36
3084	48.65	PK	H	24.67	3.56	26.44	50.44	74.00	23.56
3084	35.21	AV	H	24.67	3.56	26.44	37.00	54.00	17.00
44.55	36.2	QP	H	11.82	0.34	28.51	19.85	40.00	20.15
30.97	26.9	QP	H	22.09	0.32	28.57	20.74	40.00	19.26
Middle Channel: 2441 MHz									
2441	74.48	PK	H	23.40	3.00	0.00	100.88	N/A	N/A
2441	65.79	AV	H	23.40	3.00	0.00	92.19	N/A	N/A
2441	70.89	PK	V	23.40	3.00	0.00	97.29	N/A	N/A
2441	60.53	AV	V	23.40	3.00	0.00	86.93	N/A	N/A
4882	42.97	PK	H	31.02	5.09	26.87	52.21	74.00	21.79
4882	34.34	AV	H	31.02	5.09	26.87	43.58	54.00	10.42
7323	43.34	PK	H	34.95	6.22	26.40	58.11	74.00	15.89
7323	34.29	AV	H	34.95	6.22	26.40	49.06	54.00	4.94
3127	47.9	PK	H	24.91	3.62	26.46	49.97	74.00	24.03
3127	37.41	AV	H	24.91	3.62	26.46	39.48	54.00	14.52
2358	47.93	PK	H	23.68	3.01	26.87	47.75	74.00	26.25
2358	34.11	AV	H	23.68	3.01	26.87	33.93	54.00	20.07
44.55	36.4	QP	H	11.82	0.34	28.51	20.05	40.00	19.95
30.97	27.2	QP	H	22.09	0.32	28.57	21.04	40.00	18.96
High Channel: 2480 MHz									
2480	74.82	PK	H	23.27	2.99	0.00	101.08	N/A	N/A
2480	62.76	AV	H	23.27	2.99	0.00	89.02	N/A	N/A
2480	70.28	PK	V	23.27	2.99	0.00	96.54	N/A	N/A
2480	57.53	AV	V	23.27	2.99	0.00	83.79	N/A	N/A
2483.5	33.33	PK	H	23.26	2.99	0.00	59.58	74.00	14.42
2483.5	22.73	AV	H	23.26	2.99	0.00	48.98	54.00	5.02
4960	43.93	PK	H	31.27	5.05	26.88	53.37	74.00	20.63
4960	34.92	AV	H	31.27	5.05	26.88	44.36	54.00	9.64
7440	43.45	PK	H	35.18	6.27	26.45	58.45	74.00	15.55
7440	33.34	AV	H	35.18	6.27	26.45	48.34	54.00	5.66
3124	48.24	PK	H	24.89	3.62	26.45	50.30	74.00	23.70
3124	35.19	AV	H	24.89	3.62	26.45	37.25	54.00	16.75
44.55	36	QP	H	11.82	0.34	28.51	19.65	40.00	20.35
30.97	27.2	QP	H	22.09	0.32	28.57	21.04	40.00	18.96

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
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2016-12-02	2017-12-01
Unknown	RF Cable	Unknown	C-2	Each Time	/

* **Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

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:	22.8 °C
Relative Humidity:	54 %
ATM Pressure:	96.2 kPa

* The testing was performed by Kevin Hu on 2017-05-03.

Test Result: Compliance.

Please refer to following tables and plots

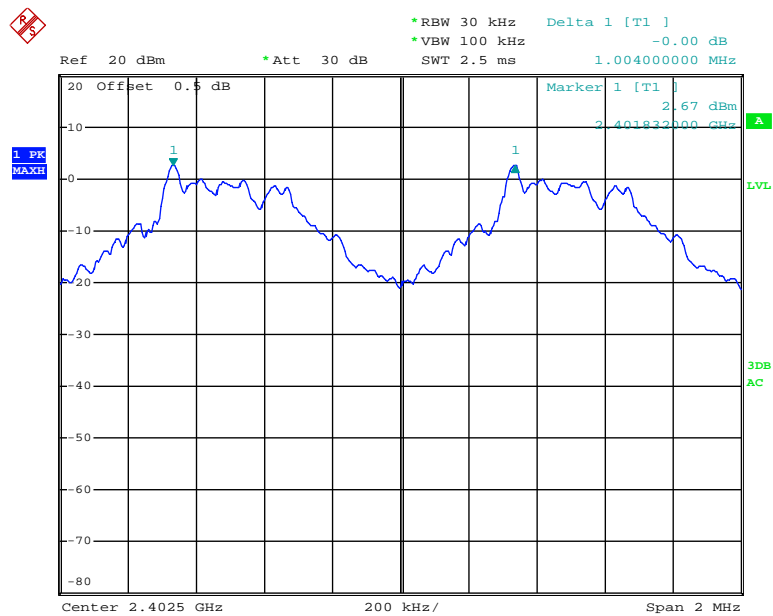
Test Mode: Transmitting

Mode	Channel	Frequency (MHz)	Channel Separation (MHz)	Limit (MHz)
BDR (GFSK)	Low	2402	1.004	0.57
	Middle	2441	1.000	0.56
	High	2480	1.000	0.58
EDR ($\pi/4$ -DQPSK)	Low	2402	1.004	0.83
	Middle	2441	1.000	0.84
	High	2480	1.004	0.84
EDR (8DPSK)	Low	2402	1.000	0.81
	Middle	2441	1.008	0.81
	High	2480	1.000	0.81

Note: Limit= (2/3) × 20dB bandwidth

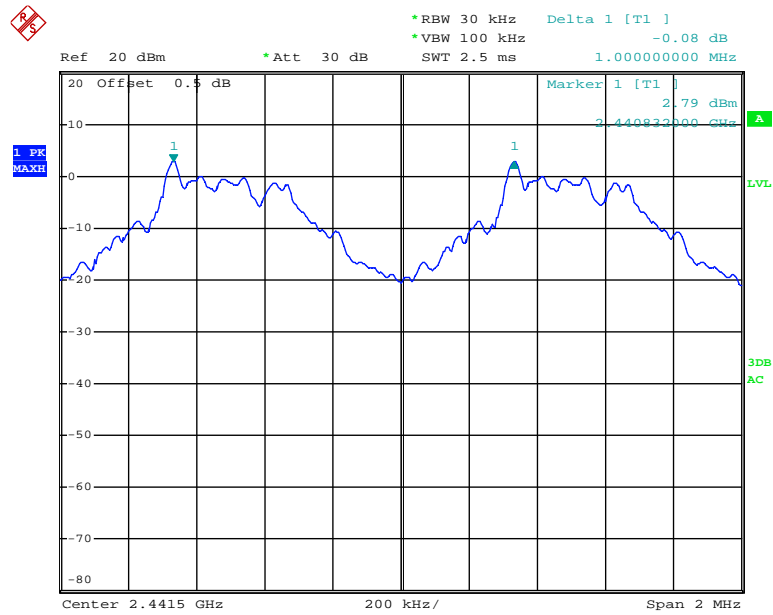
BDR Mode (GFSK):

Low Channel



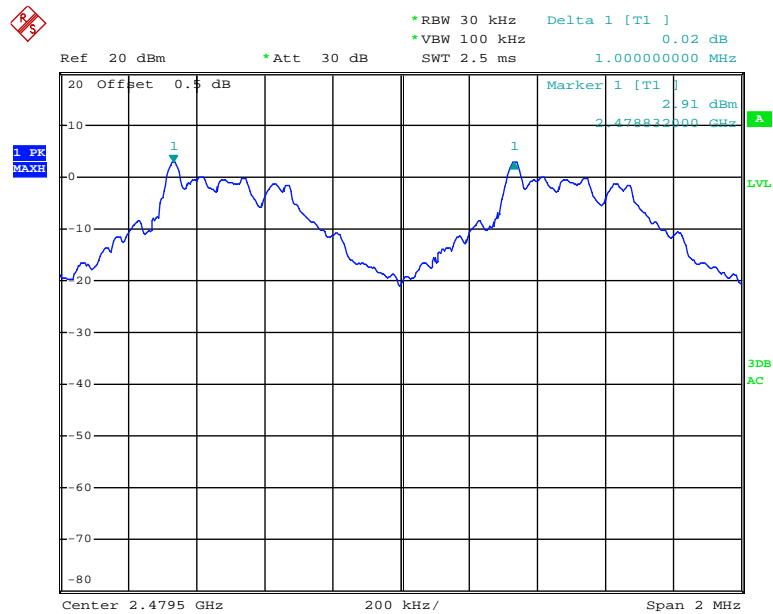
Date: 3.MAY.2017 10:50:23

Middle Channel



Date: 3.MAY.2017 10:49:06

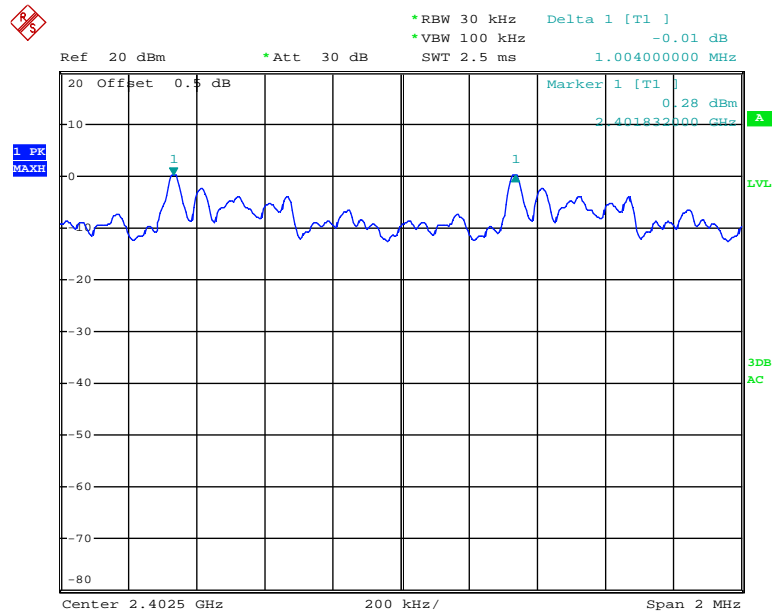
High Channel



Date: 3.MAY.2017 10:47:48

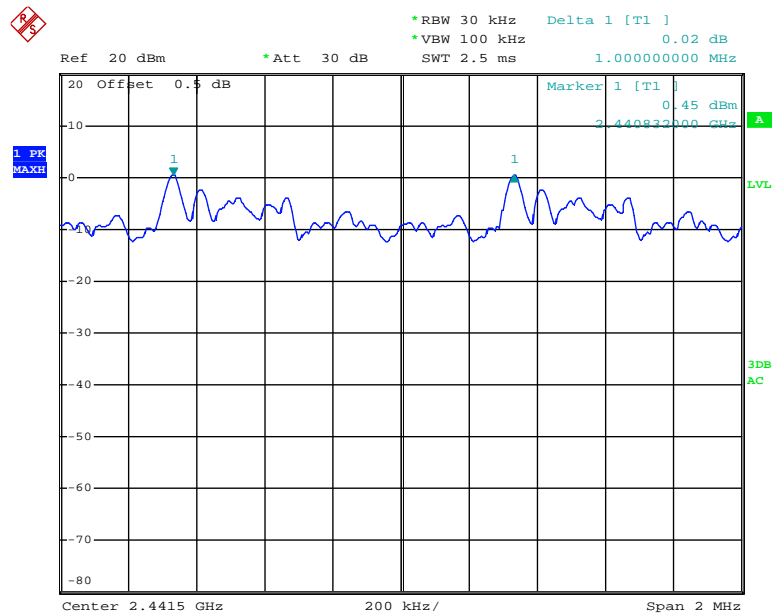
EDR Mode ($\pi/4$ -DQPSK):

Low Channel



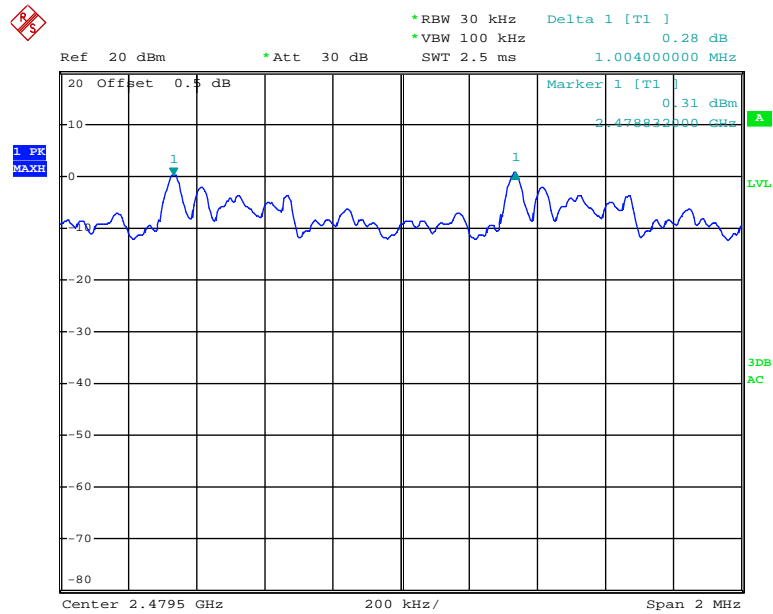
Date: 3.MAY.2017 10:43:13

Middle Channel



Date: 3.MAY.2017 10:44:41

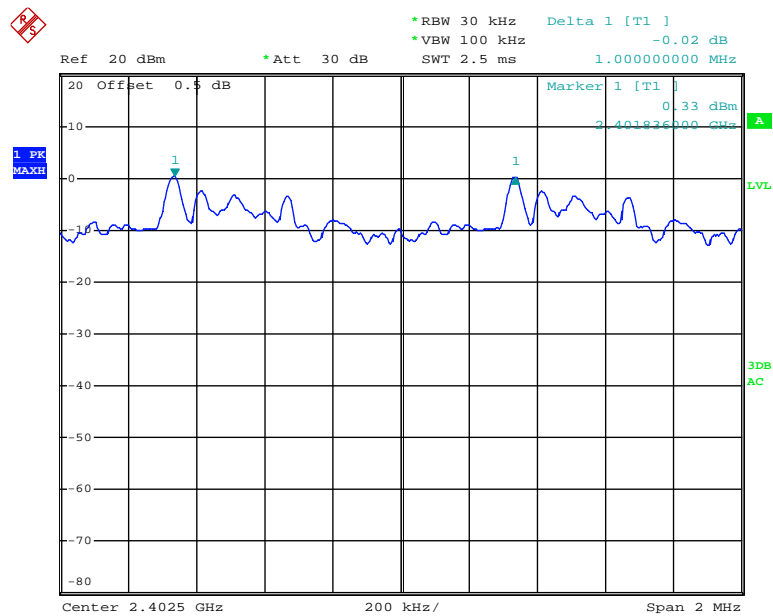
High Channel



Date: 3.MAY.2017 10:46:13

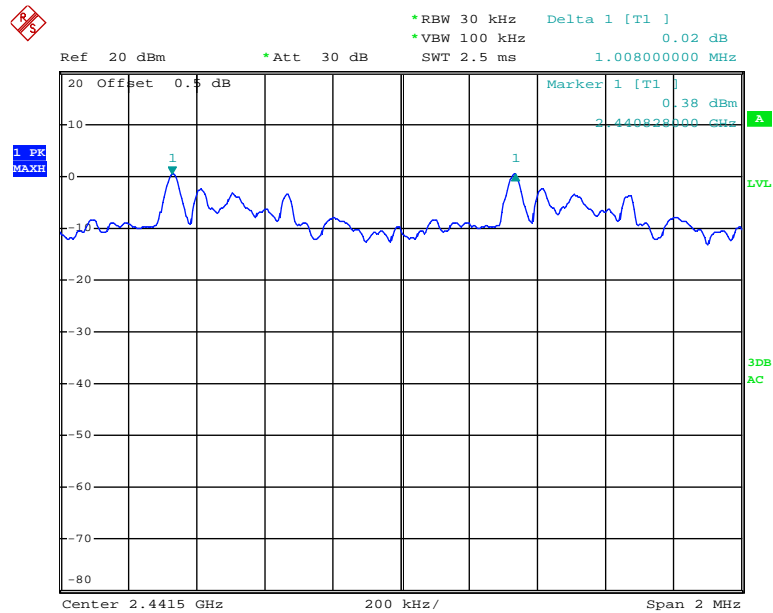
EDR Mode (8-DPSK):

Low Channel



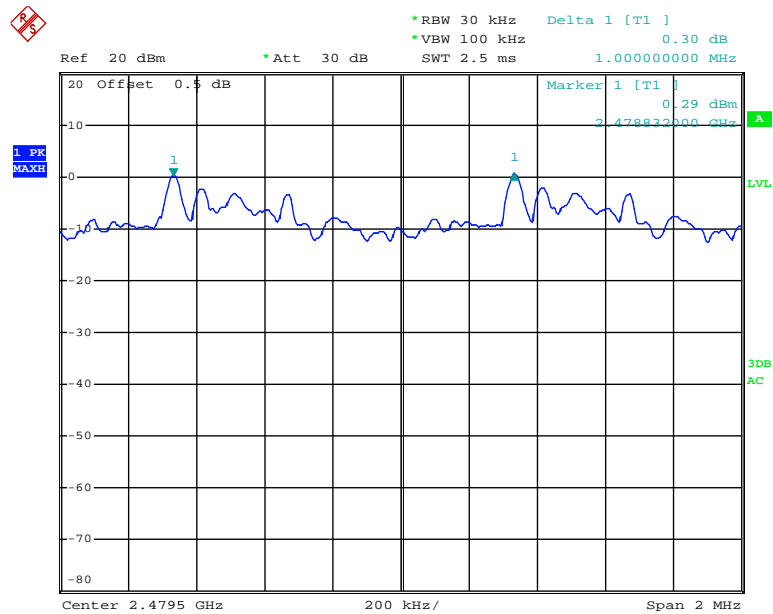
Date: 3.MAY.2017 10:41:29

Middle Channel



Date: 3.MAY.2017 10:40:13

High Channel



Date: 3.MAY.2017 10:39:10

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
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2016-12-02	2017-12-01
Unknown	RF Cable	Unknown	C-2	Each Time	/

* **Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B “Implementation of traceability policy in accredited laboratories”.

Test Data

Environmental Conditions

Temperature:	22.8 °C
Relative Humidity:	54 %
ATM Pressure:	96.2 kPa

* The testing was performed by Kevin Hu on 2017-05-03.

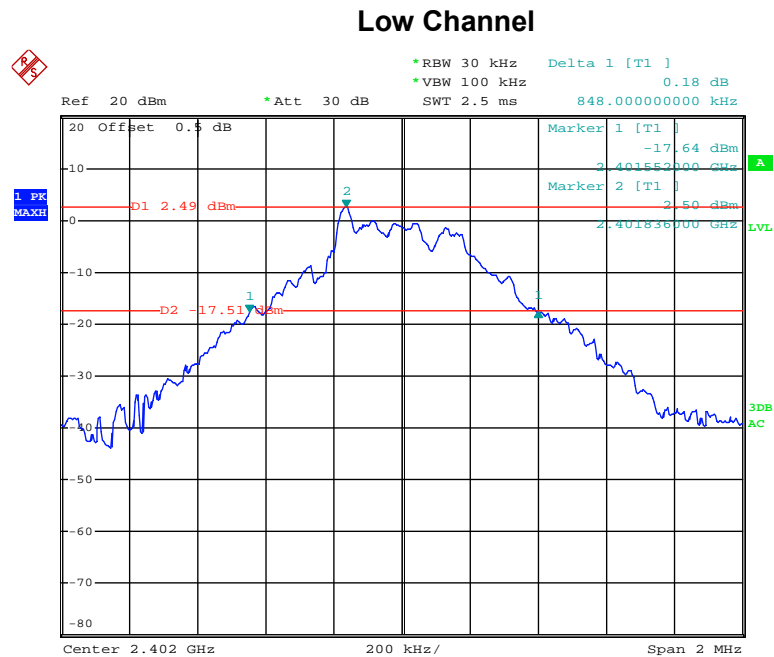
Test Result: Compliance.

Please refer to following tables and plots

Test Mode: Transmitting

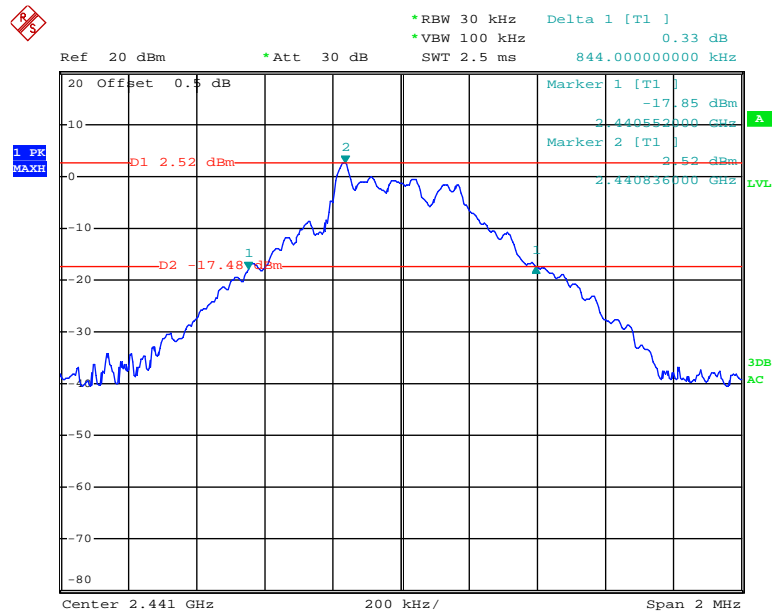
Mode	Channel	Frequency (MHz)	20 dB Bandwidth (MHz)
BDR Mode (GFSK)	Low	2402	0.85
	Middle	2441	0.84
	High	2480	0.87
EDR Mode ($\pi/4$ -DQPSK)	Low	2402	1.25
	Middle	2441	1.26
	High	2480	1.26
EDR Mode (8-DPSK)	Low	2402	1.22
	Middle	2441	1.22
	High	2480	1.22

BDR Mode (GFSK):



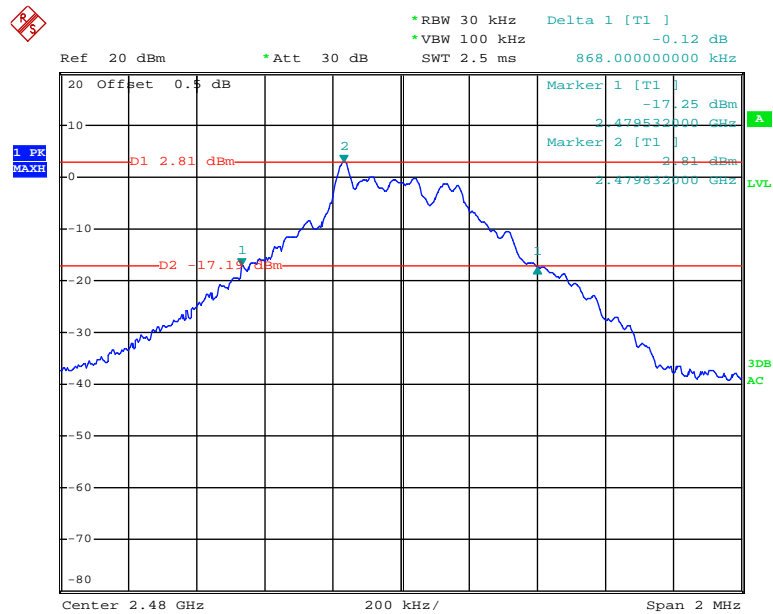
Date: 3.MAY.2017 10:25:21

Middle Channel



Date: 3.MAY.2017 10:24:12

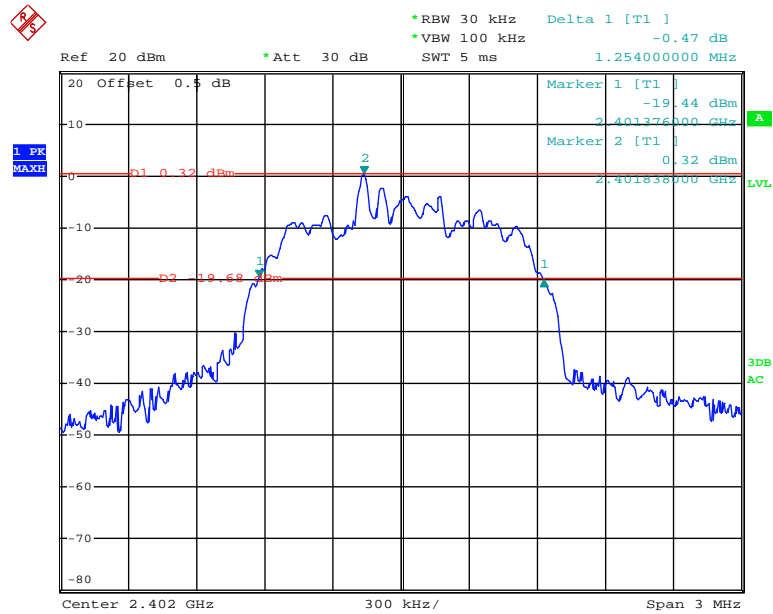
High Channel



Date: 3.MAY.2017 10:26:45

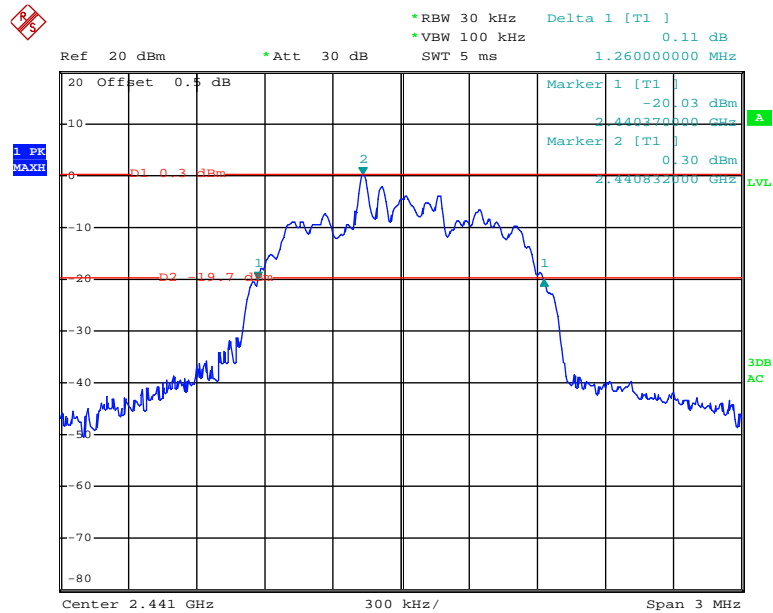
EDR Mode ($\pi/4$ -DQPSK):

Low Channel



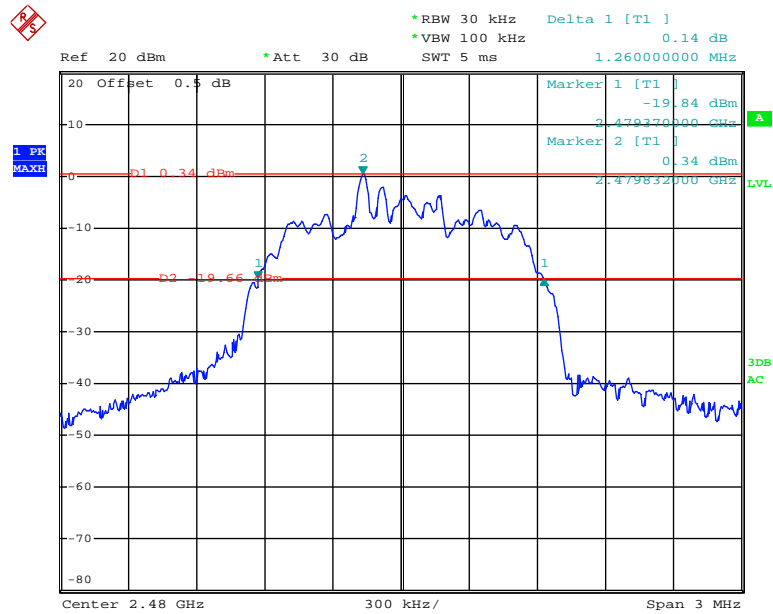
Date: 3.MAY.2017 10:31:29

Middle Channel



Date: 3.MAY.2017 10:30:05

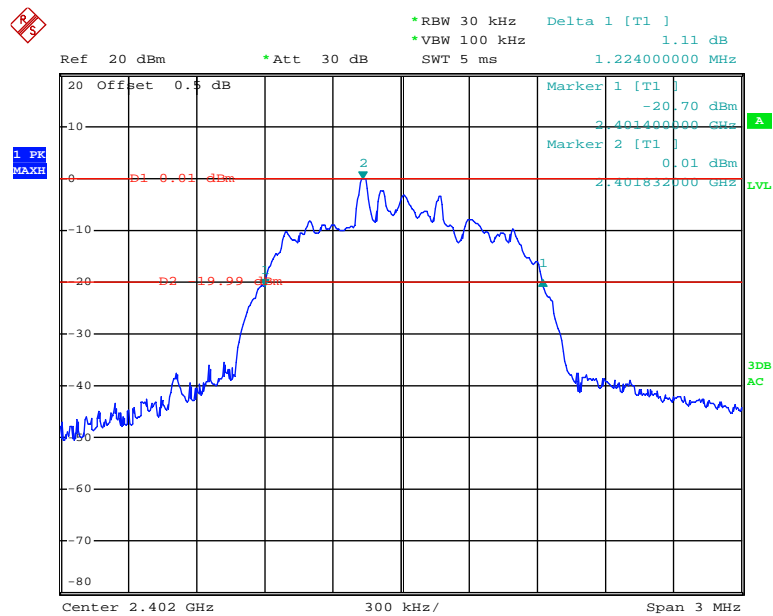
High Channel



Date: 3.MAY.2017 10:28:37

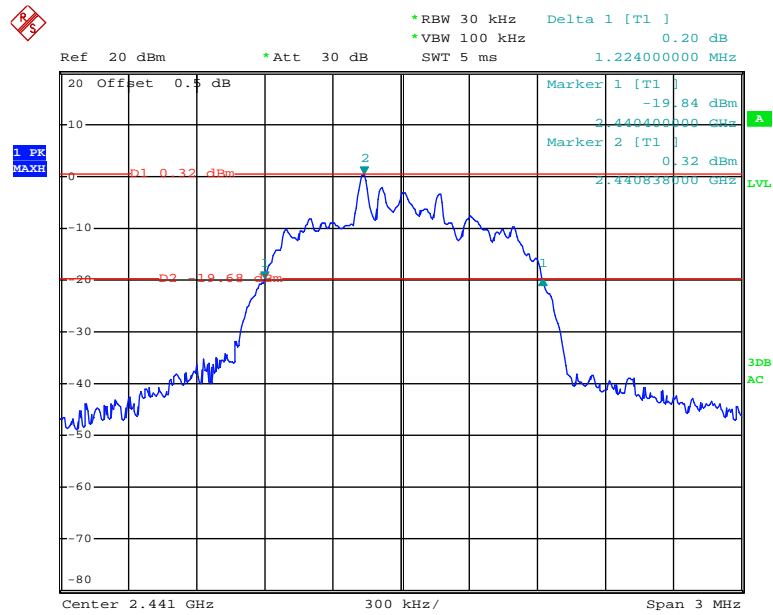
EDR Mode (8-DPSK):

Low Channel



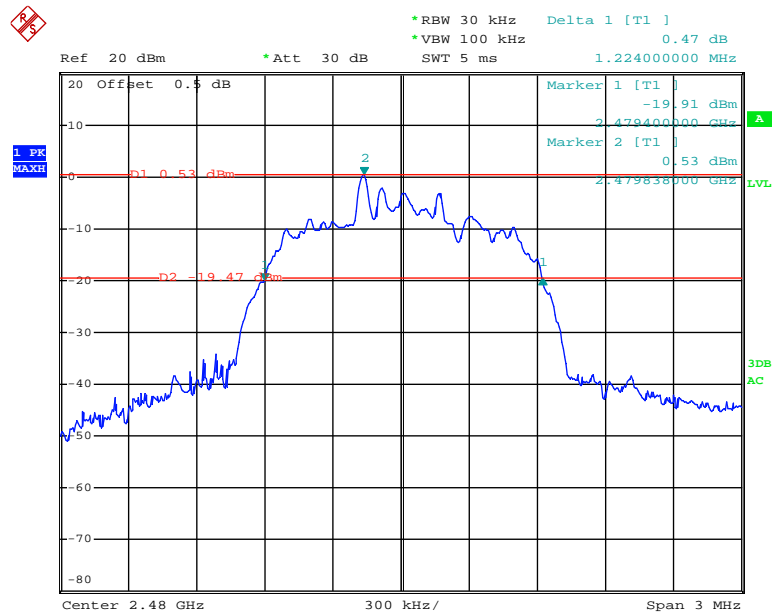
Date: 3.MAY.2017 10:33:20

Middle Channel



Date: 3.MAY.2017 10:35:10

High Channel



Date: 3.MAY.2017 10:36:36

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

Applicable Standard

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

Test Procedure

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

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2016-12-02	2017-12-01
Unknown	RF Cable	Unknown	C-2	Each Time	/

*** Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B “Implementation of traceability policy in accredited laboratories”.

Test Data

Environmental Conditions

Temperature:	22.8 °C
Relative Humidity:	54 %
ATM Pressure:	96.2 kPa

** The testing was performed by Kevin Hu on 2017-05-03.*

Test Result: Compliance.

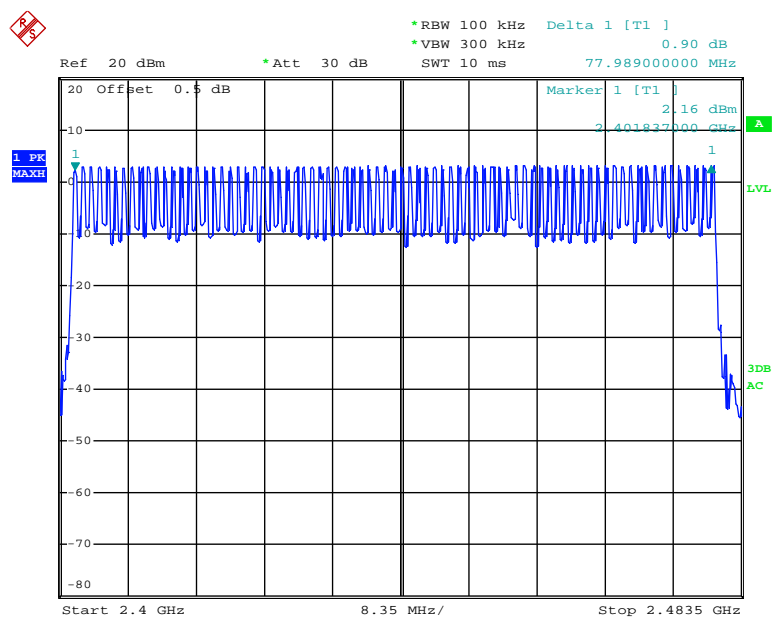
Please refer to following tables and plots

Test Mode: Transmitting

BDR Mode (GFSK):

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

Number of Hopping Channels

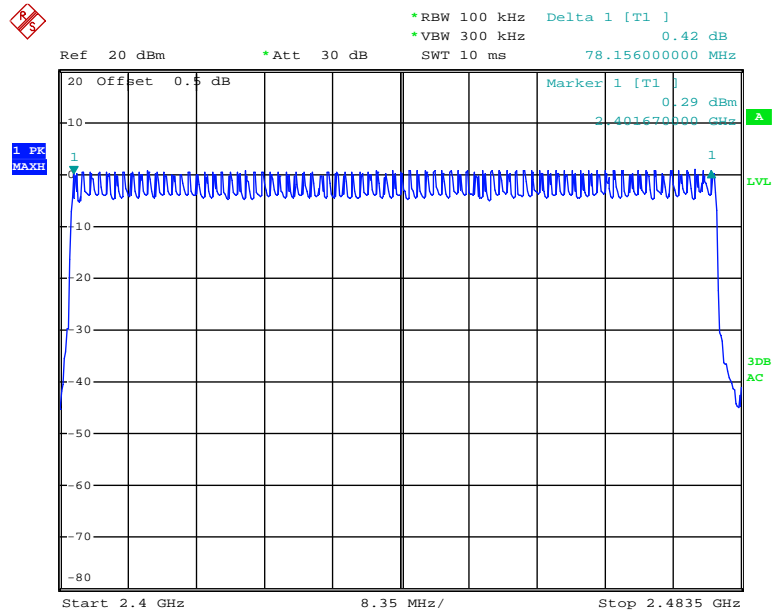


Date: 3.MAY.2017 10:58:07

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

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

Number of Hopping Channels

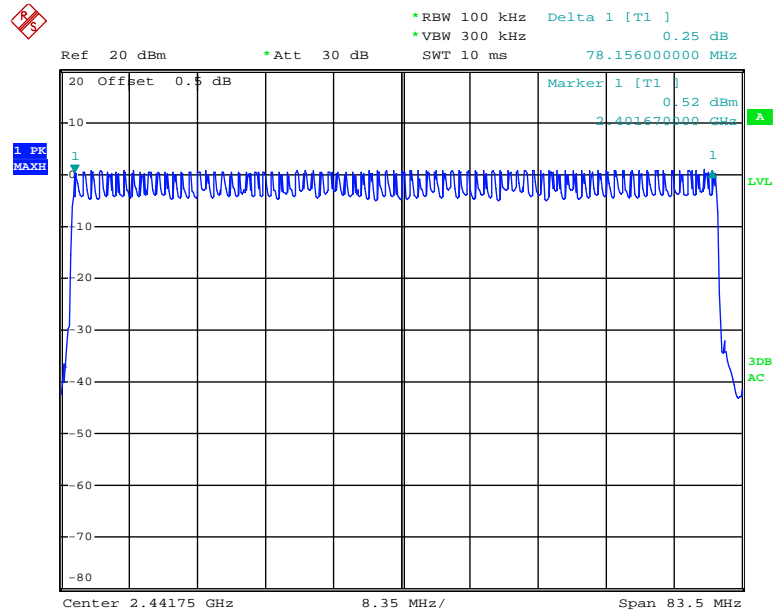


Date: 3.MAY.2017 11:08:44

EDR Mode (8-DPSK):

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

Number of Hopping Channels



Date: 3.MAY.2017 11:21:20

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
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2016-12-02	2017-12-01
Unknown	RF Cable	Unknown	C-2	Each Time	/

* **Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

Test Data

Environmental Conditions

Temperature:	20.8 °C
Relative Humidity:	57 %
ATM Pressure:	95.8 kPa

* *The testing was performed by Kevin Hu on 2017-05-04.*

Test Result: Compliance.

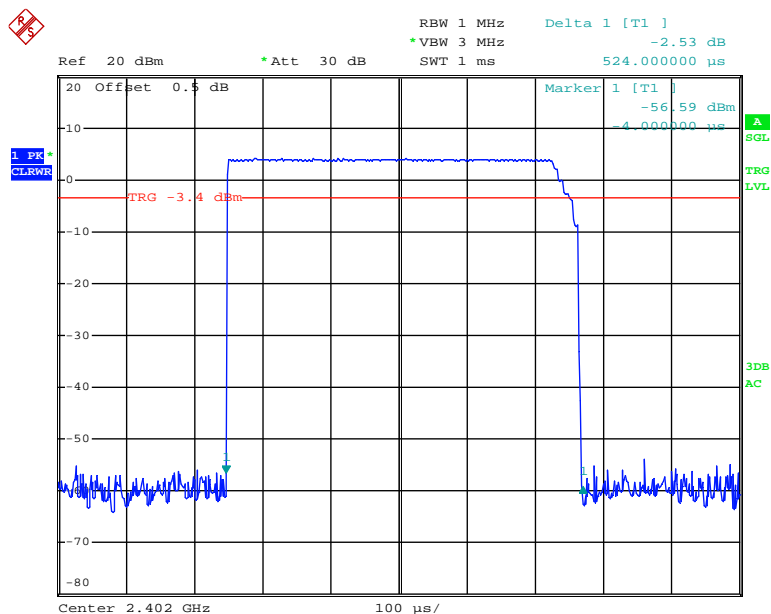
Please refer to following tables and plots

Test Mode: Transmitting

BDR Mode (GFSK):

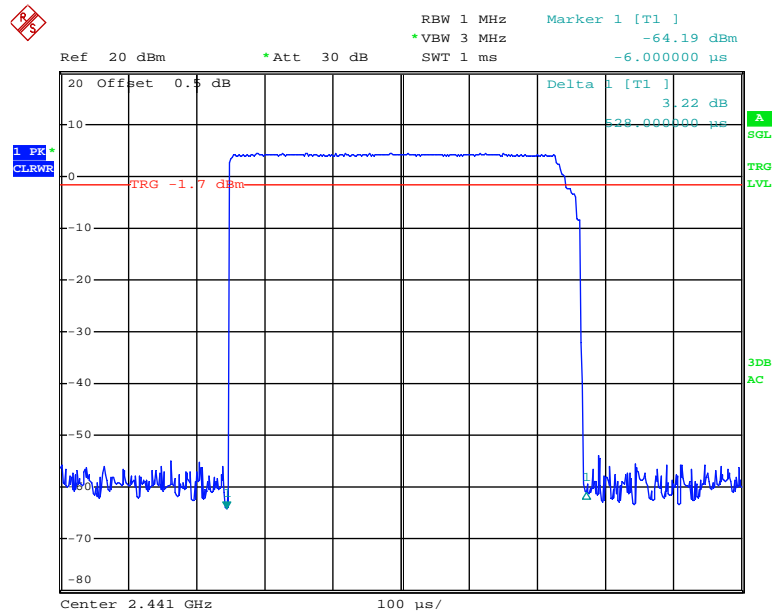
Mode	Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
DH1	Low	0.524	0.168	0.4	Compliance
	Middle	0.528	0.169	0.4	Compliance
	High	0.528	0.169	0.4	Compliance
	Note: Dwell time=Pulse time (ms) × (1600/2/79) ×31.6 s				
DH3	Low	1.746	0.279	0.4	Compliance
	Middle	1.752	0.280	0.4	Compliance
	High	1.74	0.278	0.4	Compliance
	Note: Dwell time=Pulse time (ms) × (1600/4/79) ×31.6 s				
DH5	Low	3.00	0.320	0.4	Compliance
	Middle	3.02	0.322	0.4	Compliance
	High	3.02	0.322	0.4	Compliance
	Note: Dwell time=Pulse time (ms) × (1600/6/79) ×31.6 s				

DH1: Low Channel



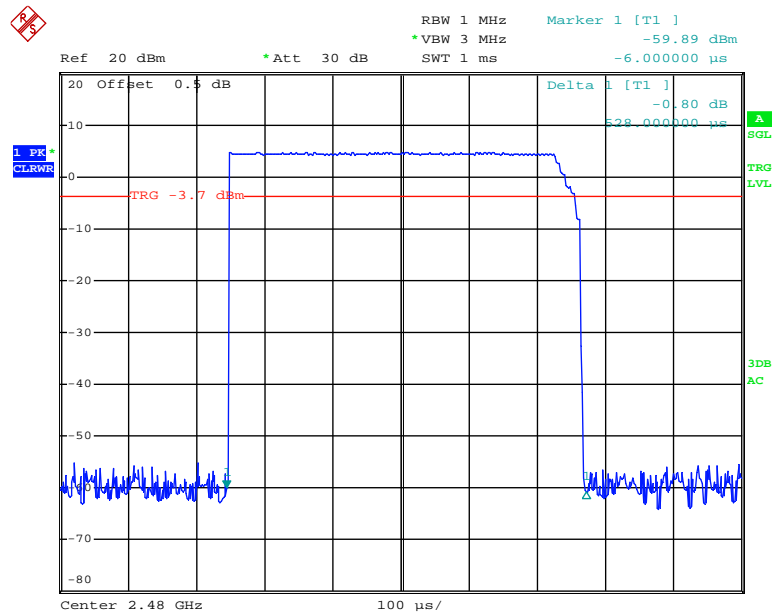
Date: 4.MAY.2017 09:47:14

DH1: Middle Channel



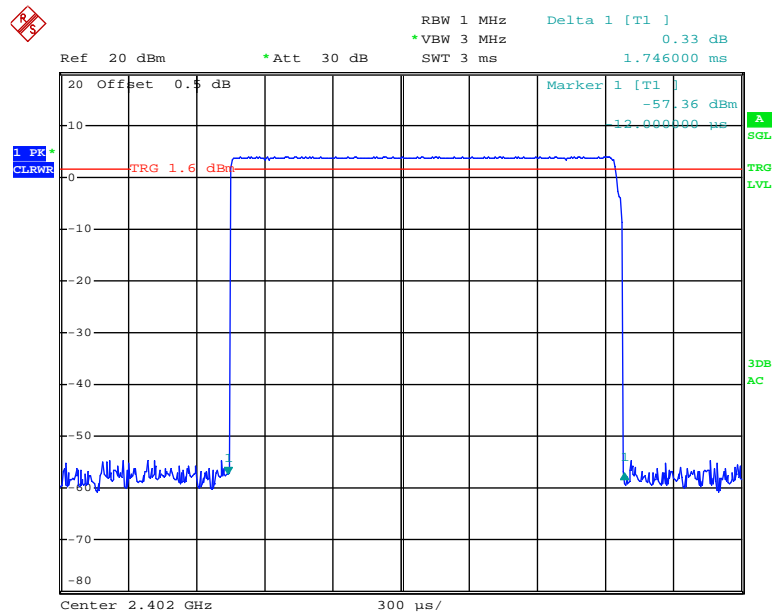
Date: 4.MAY.2017 09:47:57

DH1: High Channel



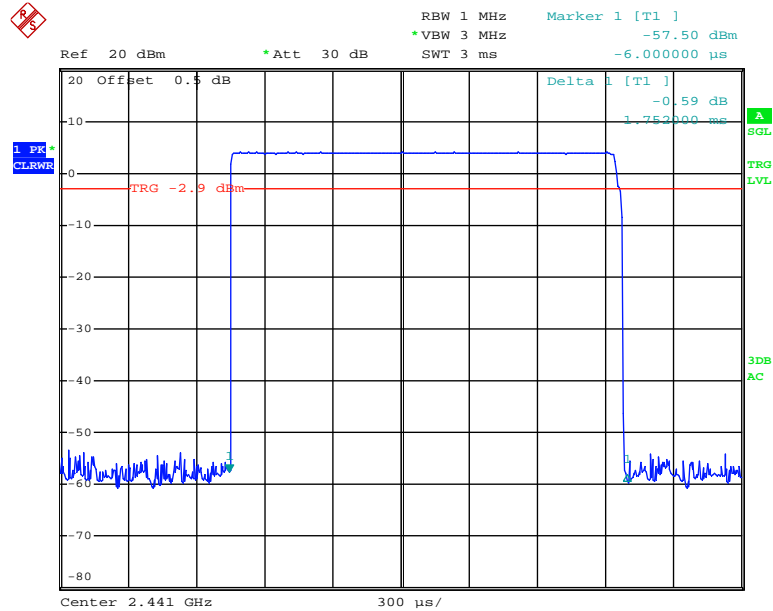
Date: 4.MAY.2017 09:50:40

DH3: Low Channel



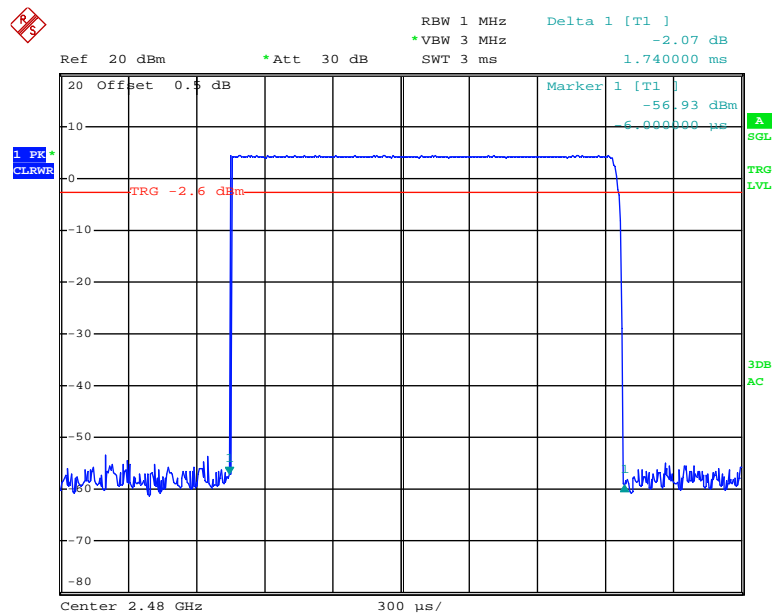
Date: 4.MAY.2017 09:45:54

DH3: Middle Channel



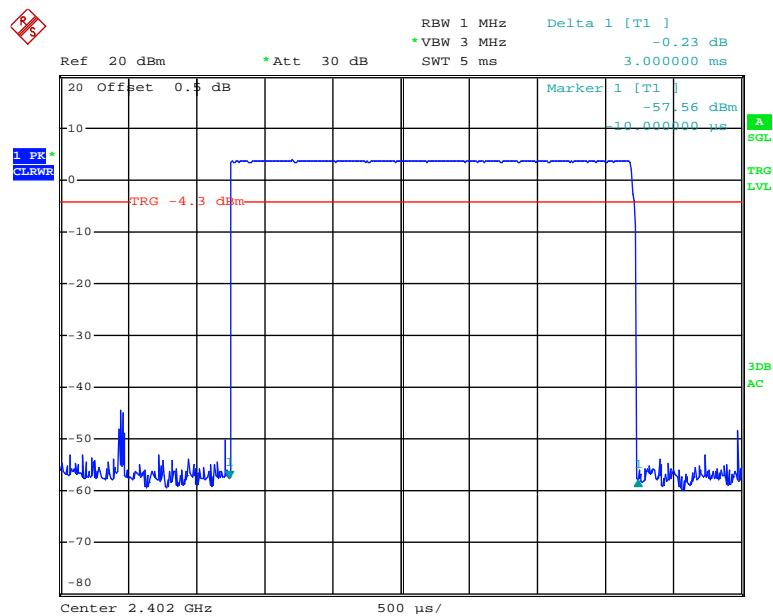
Date: 4.MAY.2017 09:46:41

DH3: High Channel



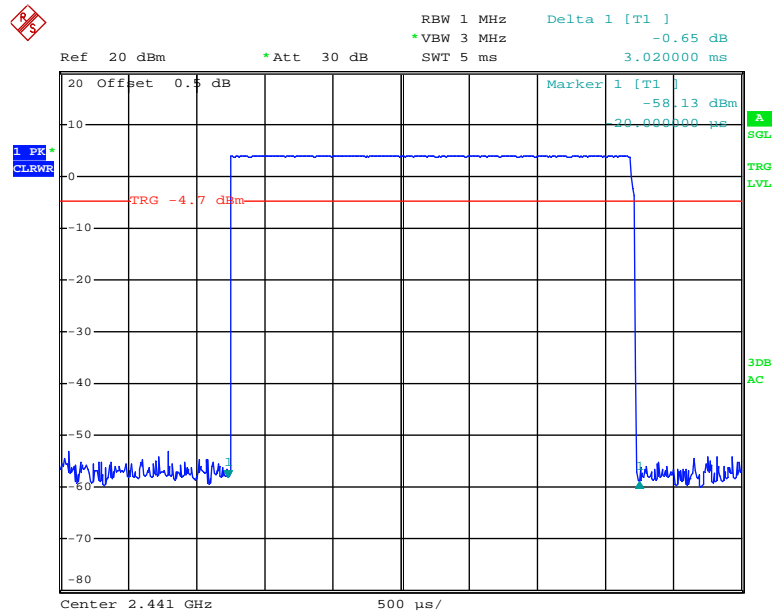
Date: 4.MAY.2017 09:46:50

DH5: Low Channel



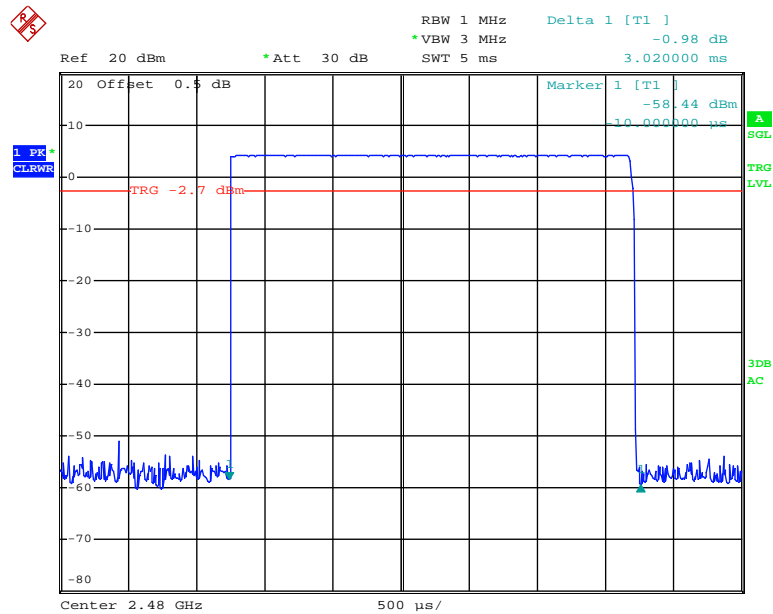
Date: 4.MAY.2017 11:04:39

DH5: Middle Channel



Date: 4.MAY.2017 11:05:14

DH5: High Channel

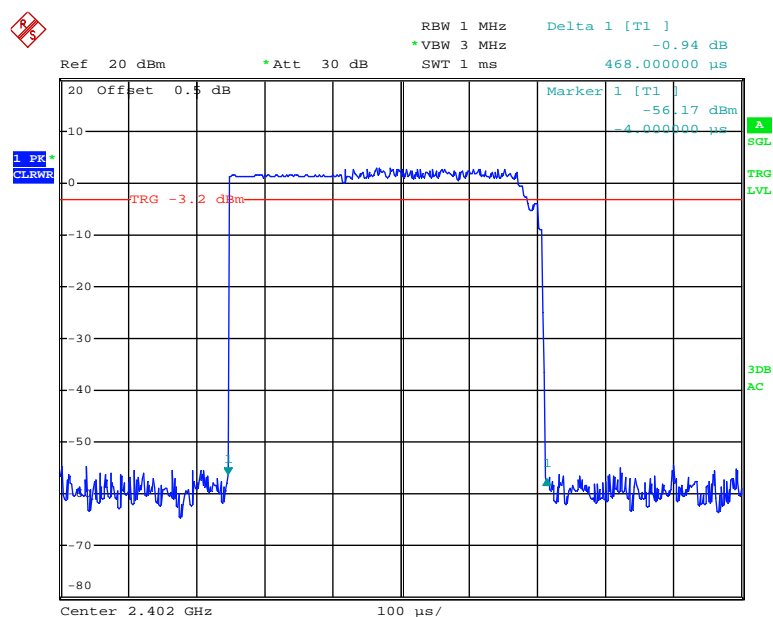


Date: 4.MAY.2017 11:05:43

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

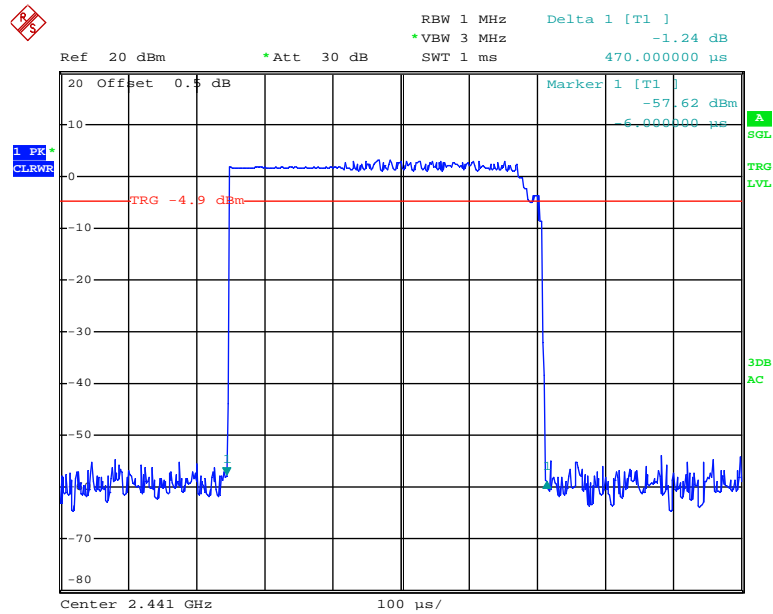
Mode	Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
2DH1	Low	0.468	0.150	0.4	Compliance
	Middle	0.47	0.150	0.4	Compliance
	High	0.468	0.150	0.4	Compliance
	Note: Dwell time=Pulse time (ms) \times (1600/2/79) \times 31.6 s				
2DH3	Low	1.74	0.278	0.4	Compliance
	Middle	1.746	0.279	0.4	Compliance
	High	1.734	0.277	0.4	Compliance
	Note: Dwell time=Pulse time (ms) \times (1600/4/79) \times 31.6 s				
2DH5	Low	3.00	0.320	0.4	Compliance
	Middle	3.00	0.320	0.4	Compliance
	High	2.99	0.319	0.4	Compliance
	Note: Dwell time=Pulse time (ms) \times (1600/6/79) \times 31.6 s				

2DH1: Low Channel



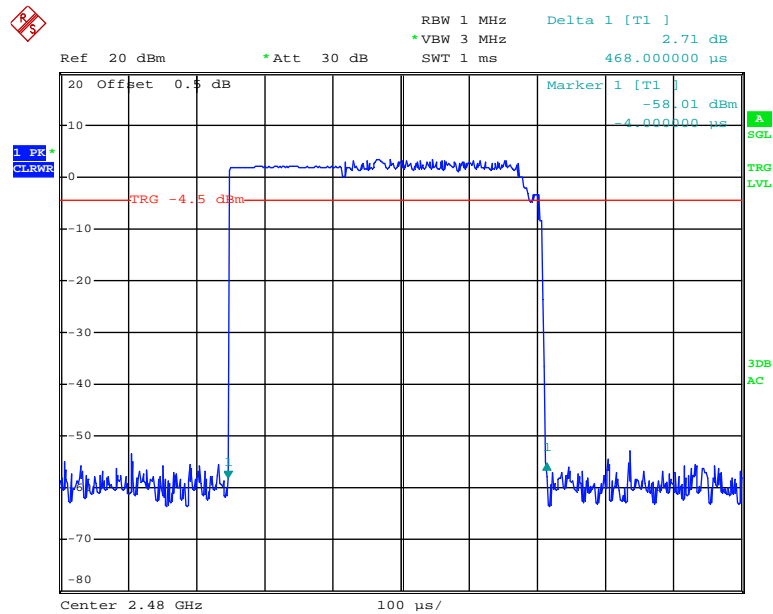
Date: 4.MAY.2017 10:21:00

2DH1: Middle Channel



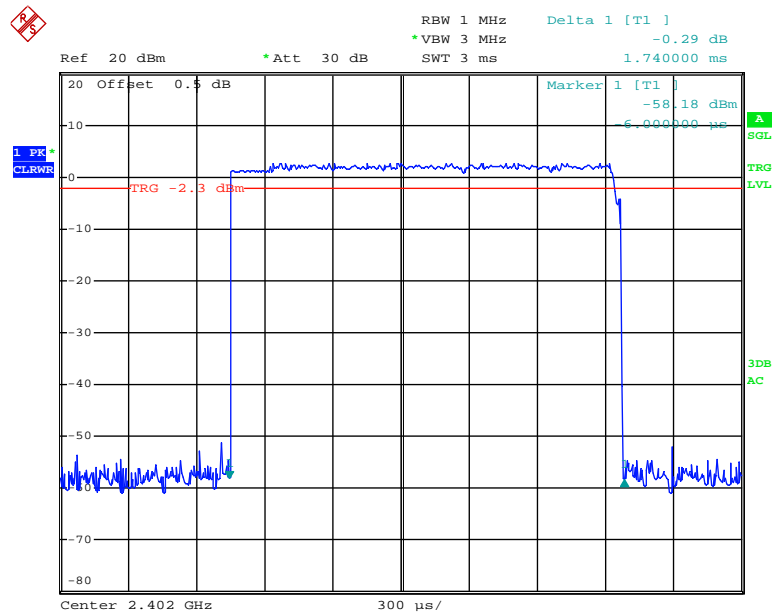
Date: 4.MAY.2017 10:21:09

2DH1: High Channel



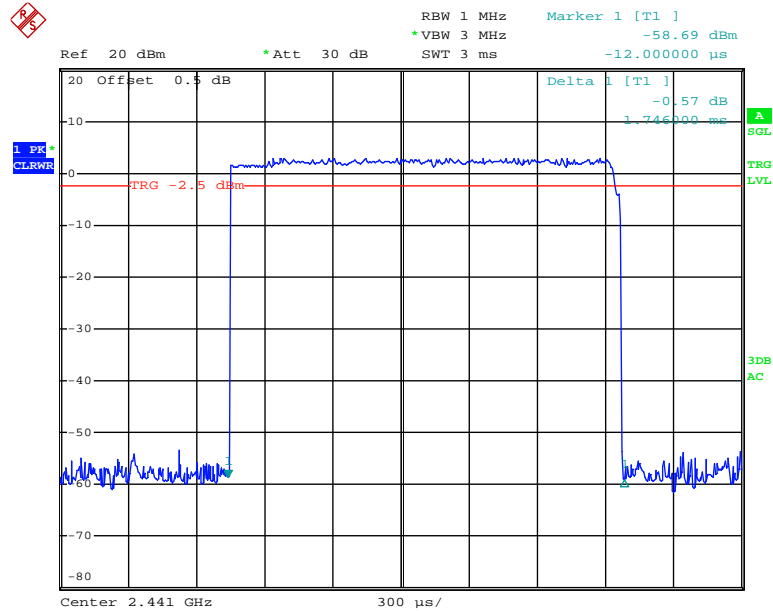
Date: 4.MAY.2017 10:21:17

2DH3: Low Channel



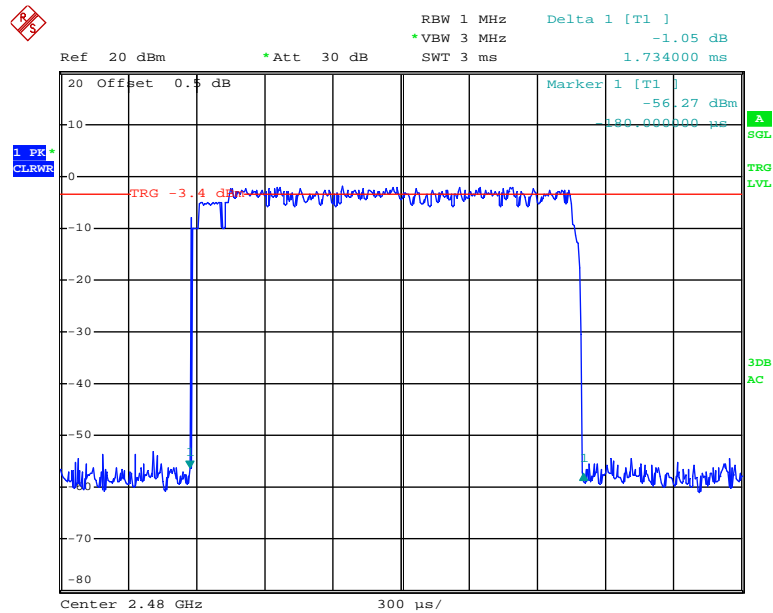
Date: 4.MAY.2017 10:15:21

2DH3: Middle Channel



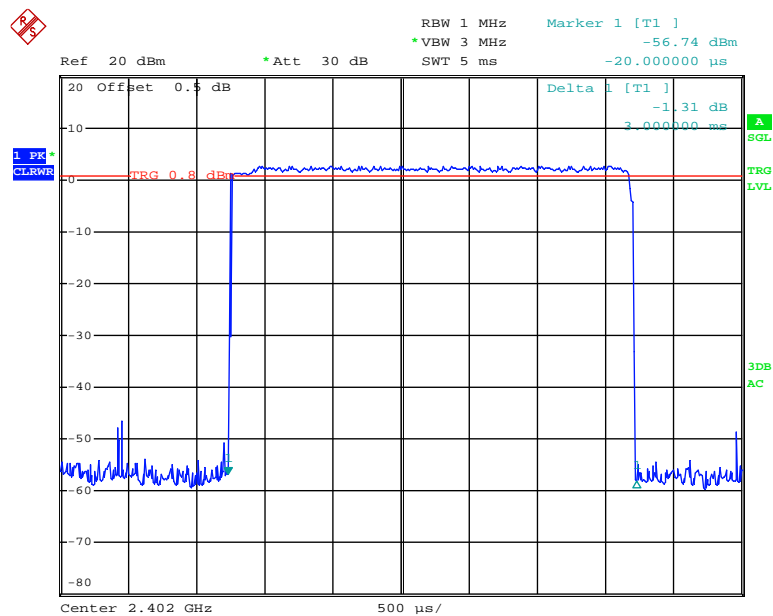
Date: 4.MAY.2017 10:15:54

2DH3: High Channel



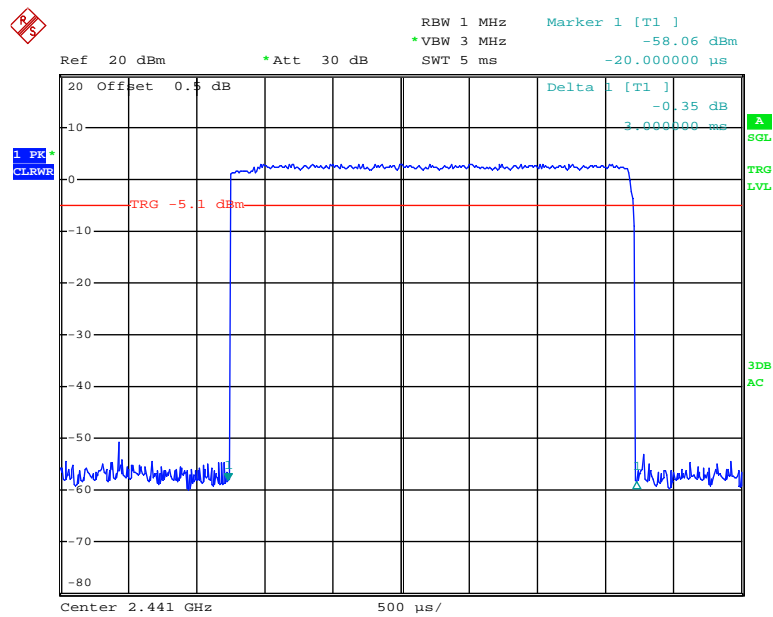
Date: 4.MAY.2017 10:16:03

2DH5: Low Channel



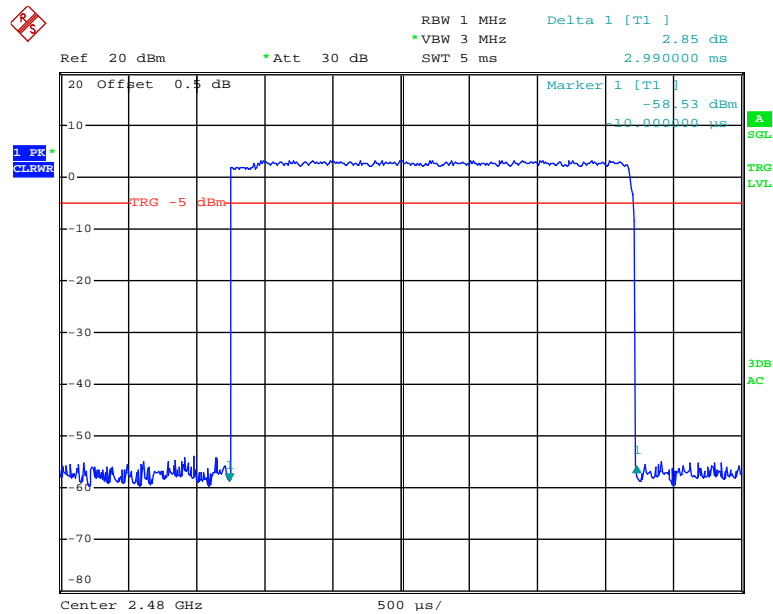
Date: 4.MAY.2017 10:34:44

2DH5: Middle Channel



Date: 4.MAY.2017 10:35:11

2DH5: High Channel

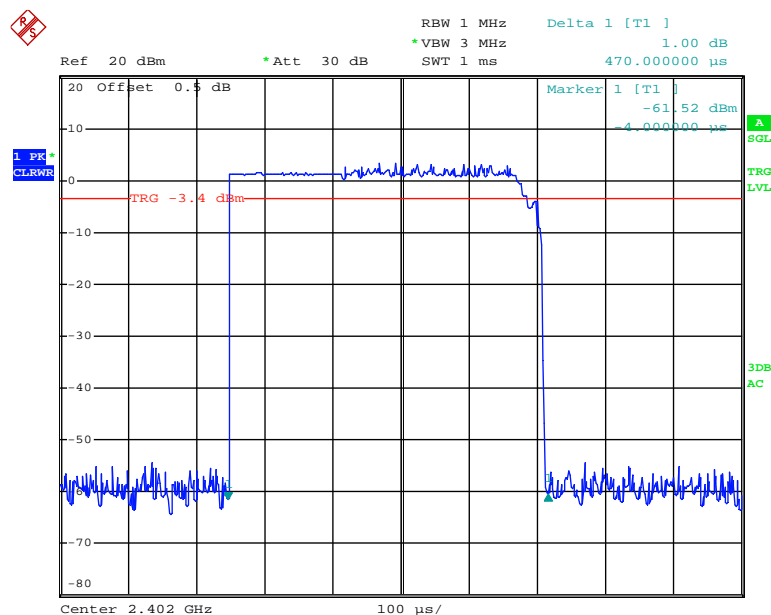


Date: 4.MAY.2017 10:35:22

EDR Mode (8-DPSK):

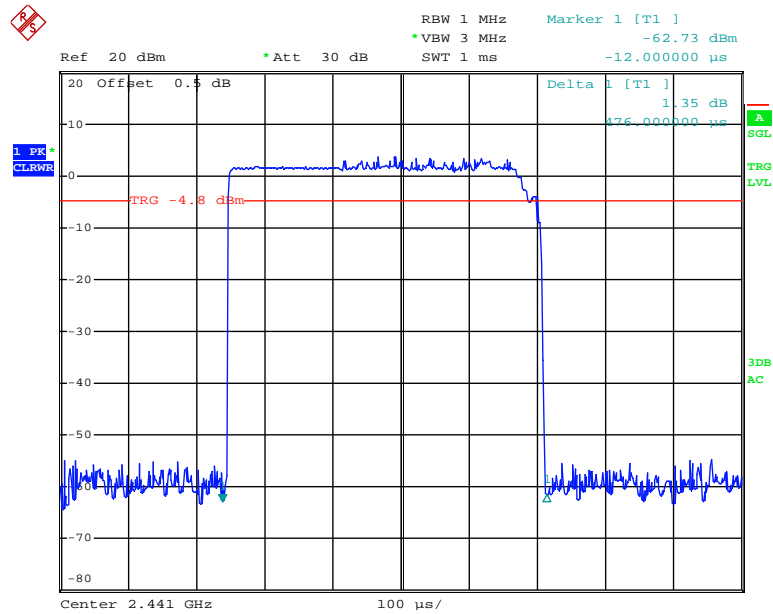
Mode	Channel	Pulse Width (ms)	Dwell Time (s)	Limit (s)	Result
3DH1	Low	0.47	0.150	0.4	Compliance
	Middle	0.476	0.152	0.4	Compliance
	High	0.472	0.151	0.4	Compliance
	Note: Dwell time=Pulse time (ms) × (1600/2/79) ×31.6 s				
3DH3	Low	1.734	0.277	0.4	Compliance
	Middle	1.746	0.279	0.4	Compliance
	High	1.734	0.277	0.4	Compliance
	Note: Dwell time=Pulse time (ms) × (1600/4/79) ×31.6 s				
3DH5	Low	3.00	0.320	0.4	Compliance
	Middle	2.99	0.319	0.4	Compliance
	High	3.01	0.321	0.4	Compliance
	Note: Dwell time=Pulse time (ms) × (1600/6/79) ×31.6 s				

3DH1: Low Channel



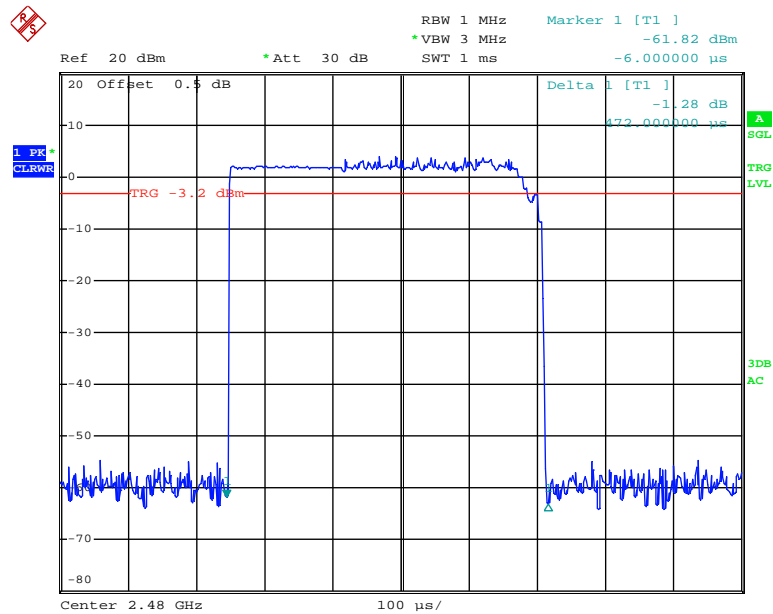
Date: 4.MAY.2017 10:36:49

3DH1: Middle Channel



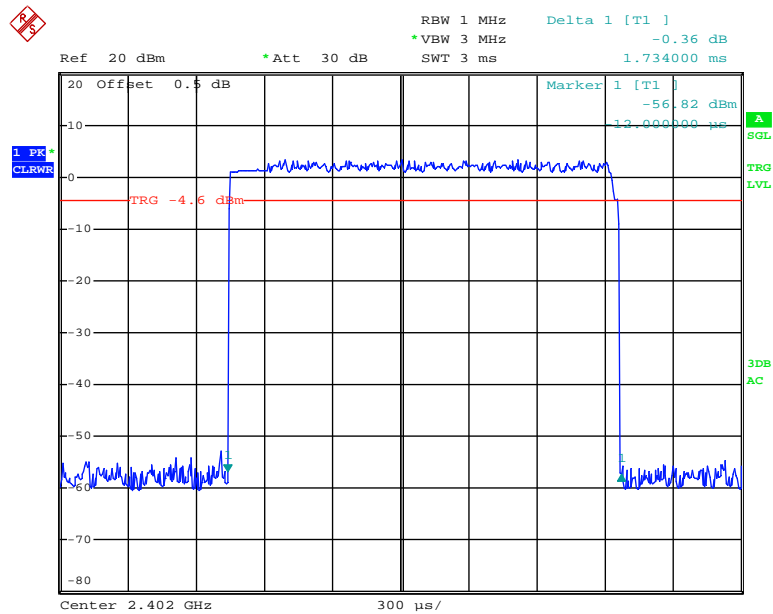
Date: 4.MAY.2017 10:37:17

3DH1: High Channel



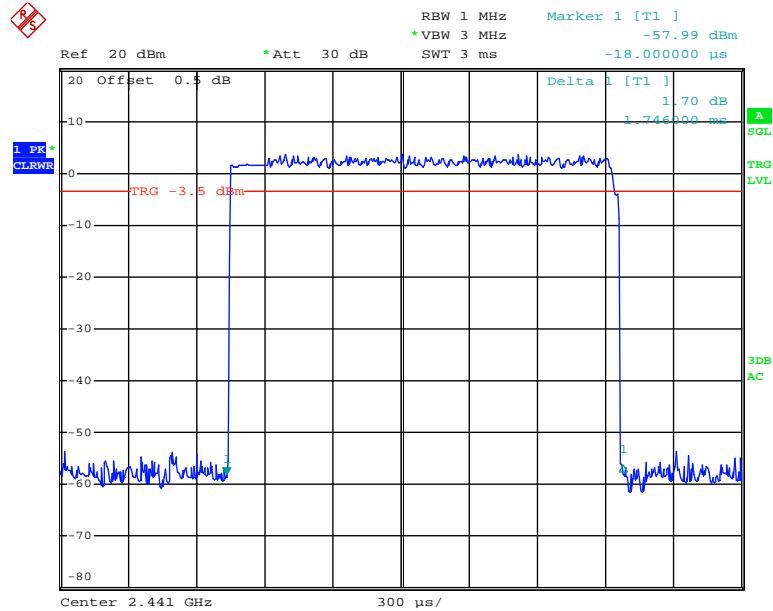
Date: 4.MAY.2017 10:37:47

3DH3: Low Channel



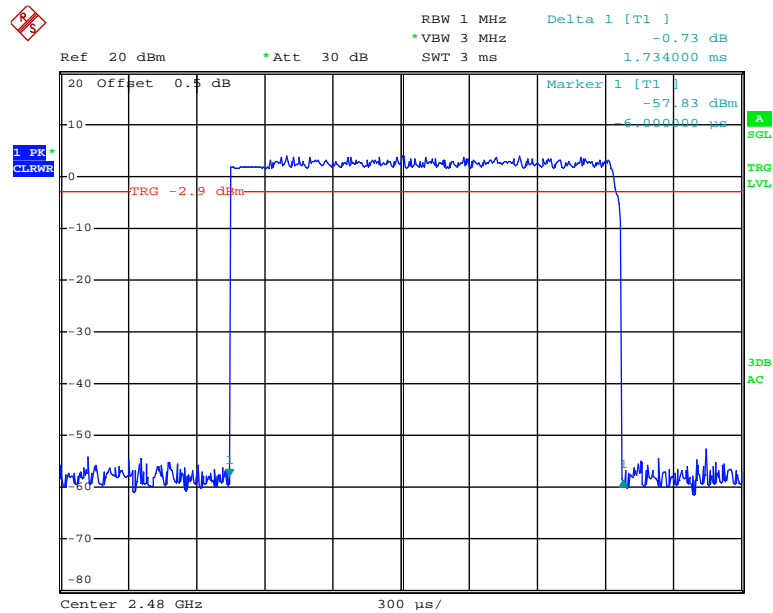
Date: 4.MAY.2017 10:56:13

3DH3: Middle Channel



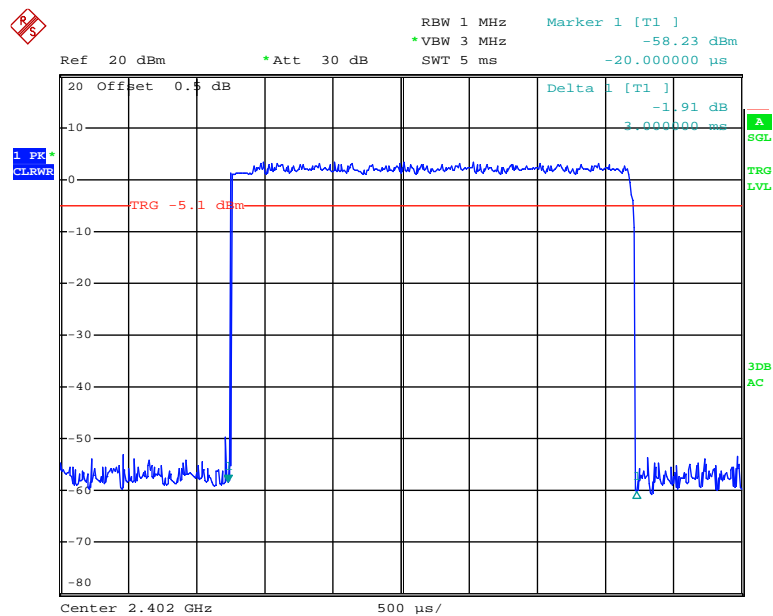
Date: 4.MAY.2017 10:56:51

3DH3: High Channel



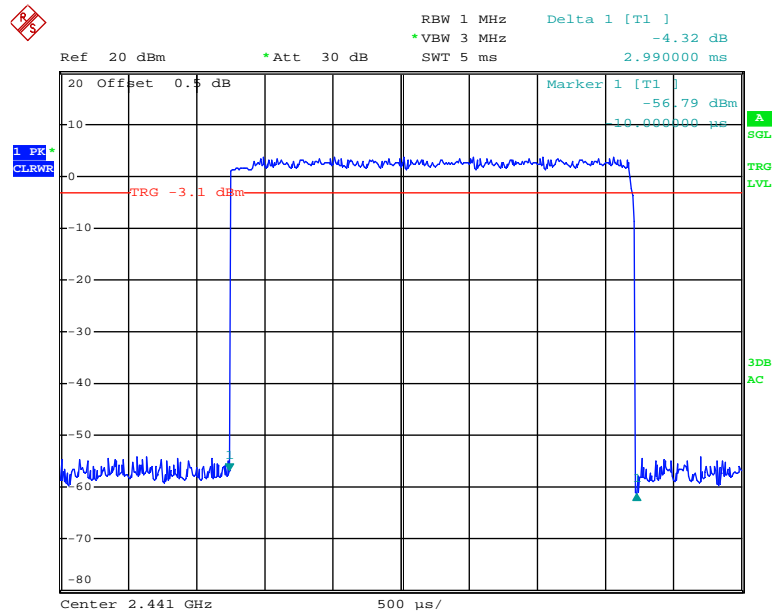
Date: 4.MAY.2017 10:57:00

3DH5: Low Channel



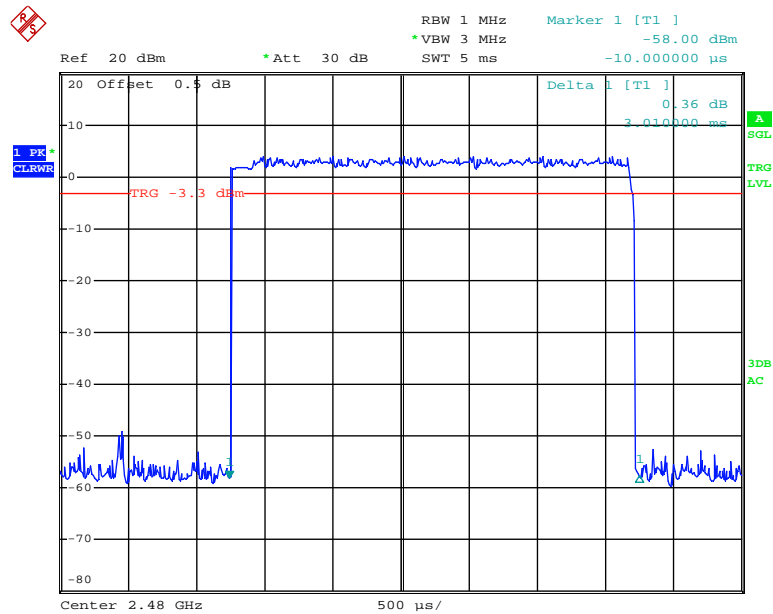
Date: 4.MAY.2017 10:45:32

3DH5: Middle Channel



Date: 4.MAY.2017 10:45:55

3DH5: High Channel



Date: 4.MAY.2017 10:46:38

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
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2016-12-02	2017-12-01
Unknown	RF Cable	Unknown	C-2	Each Time	/

* **Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B “Implementation of traceability policy in accredited laboratories”.

Test Data

Environmental Conditions

Temperature:	22.8 °C
Relative Humidity:	54 %
ATM Pressure:	96.2 kPa

* The testing was performed by Kevin Hu on 2017-05-03.

Test Result: Compliance.

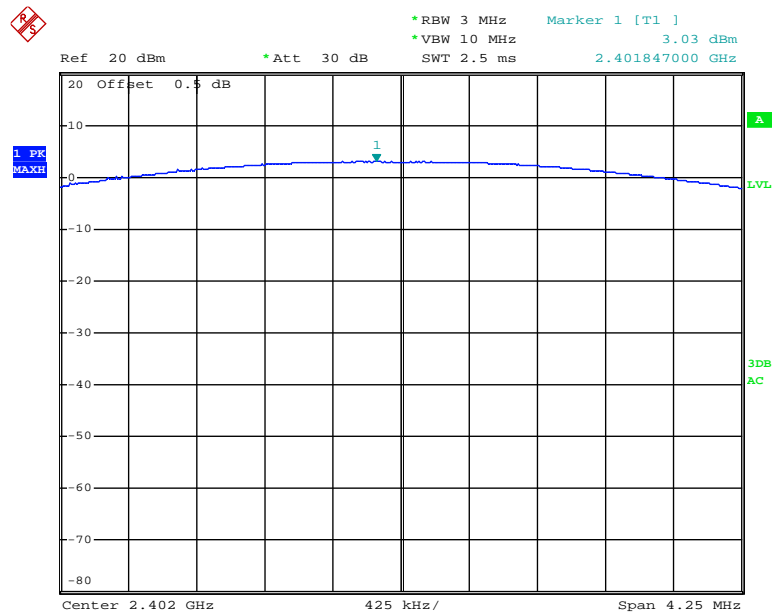
Test Mode: Transmitting

Mode	Frequency (MHz)	Peak Conducted Output power (dBm)	Limit (dBm)
BDR Mode (GFSK)	2402	3.03	30
	2441	2.91	30
	2480	3.15	30
EDR Mode ($\pi/4$ -DQPSK)	2402	2.66	30
	2441	2.70	30
	2480	2.82	30
EDR Mode (8-DPSK)	2402	3.12	30
	2441	3.12	30
	2480	3.27	30

Note: The data above was tested in conducted mode.

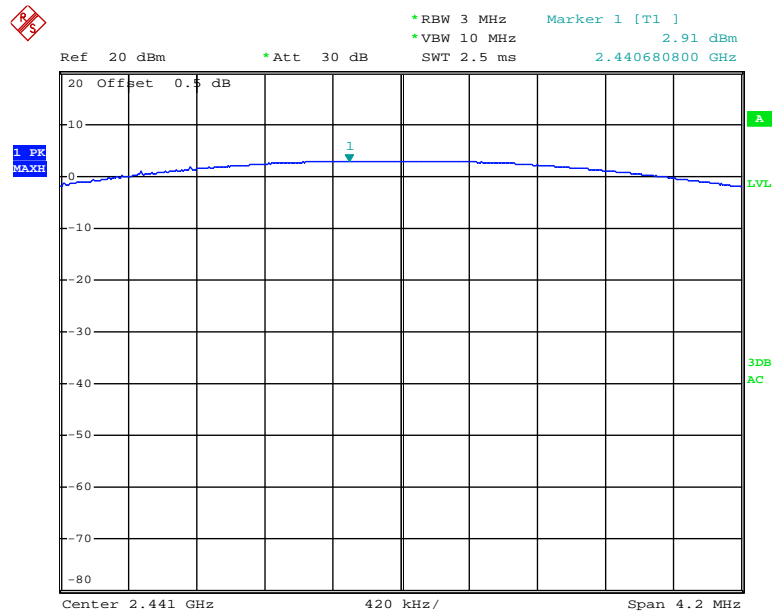
BDR Mode (GFSK):

Low Channel



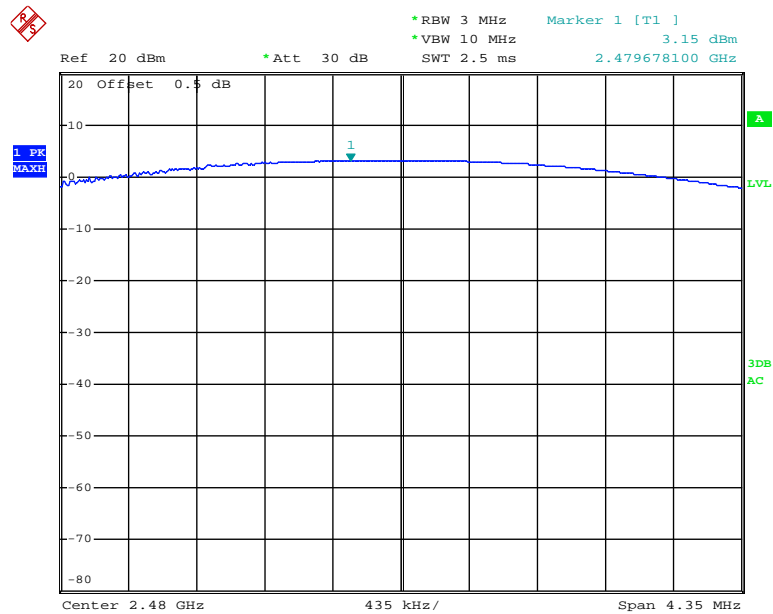
Date: 3.MAY.2017 10:25:48

Middle Channel



Date: 3.MAY.2017 10:24:37

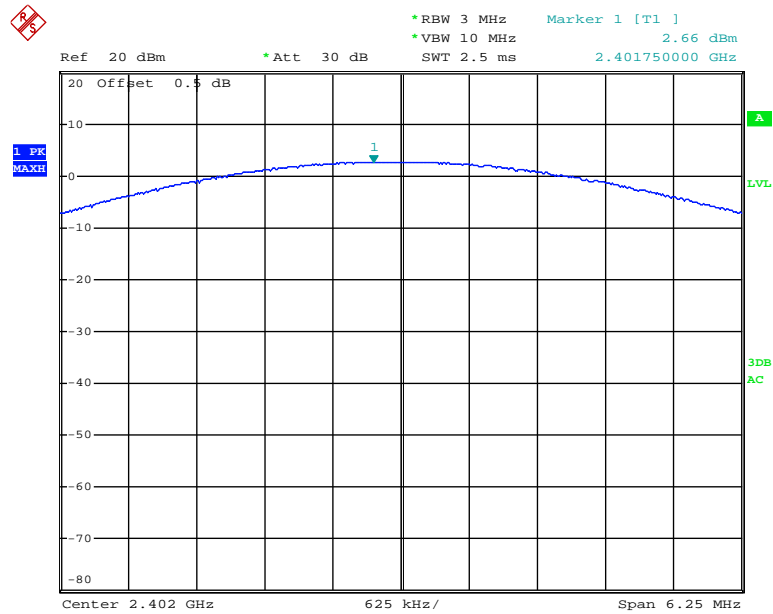
High Channel



Date: 3.MAY.2017 10:27:15

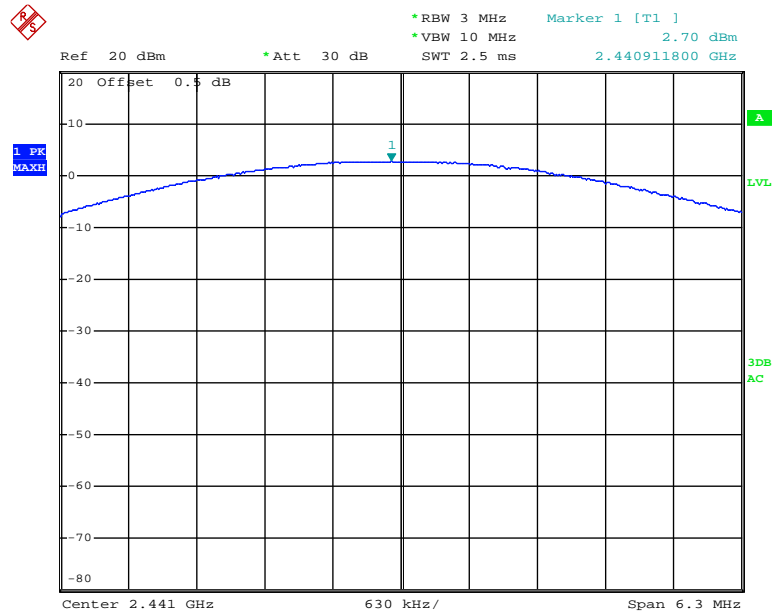
EDR Mode ($\pi/4$ -DQPSK):

Low Channel



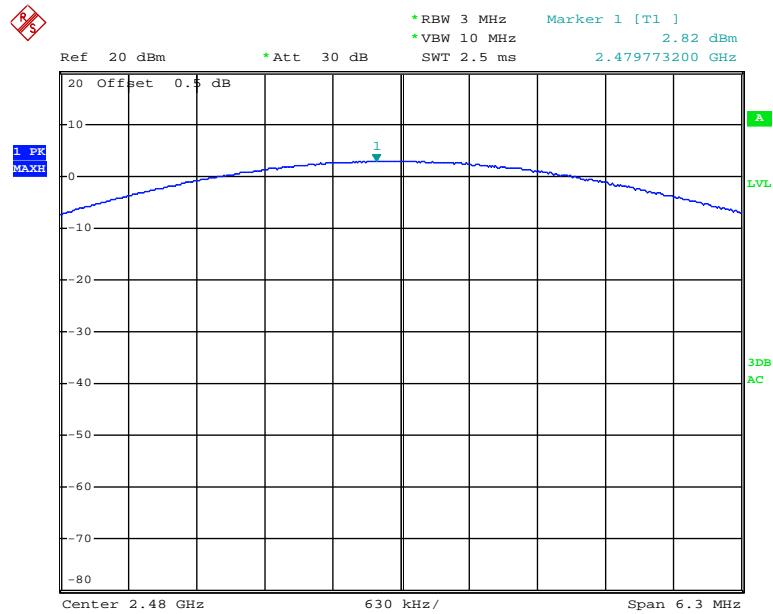
Date: 3.MAY.2017 10:31:54

Middle Channel



Date: 3.MAY.2017 10:30:30

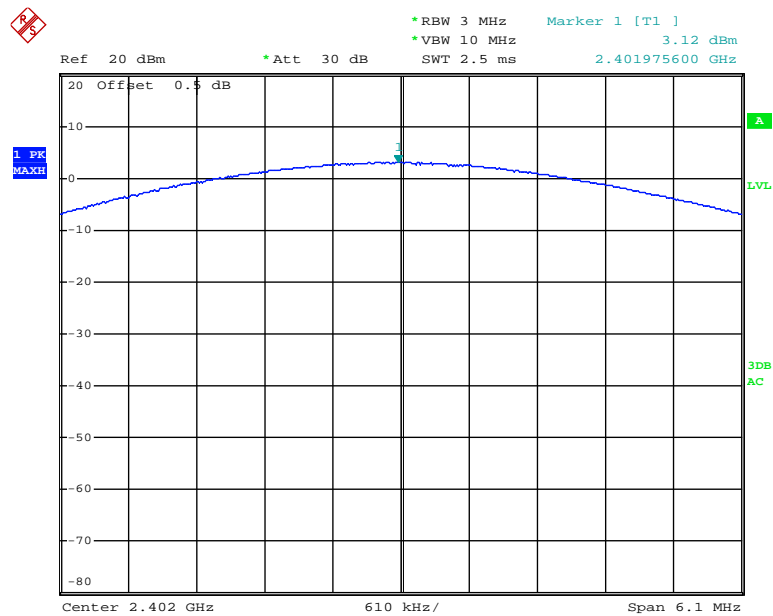
High Channel



Date: 3.MAY.2017 10:29:03

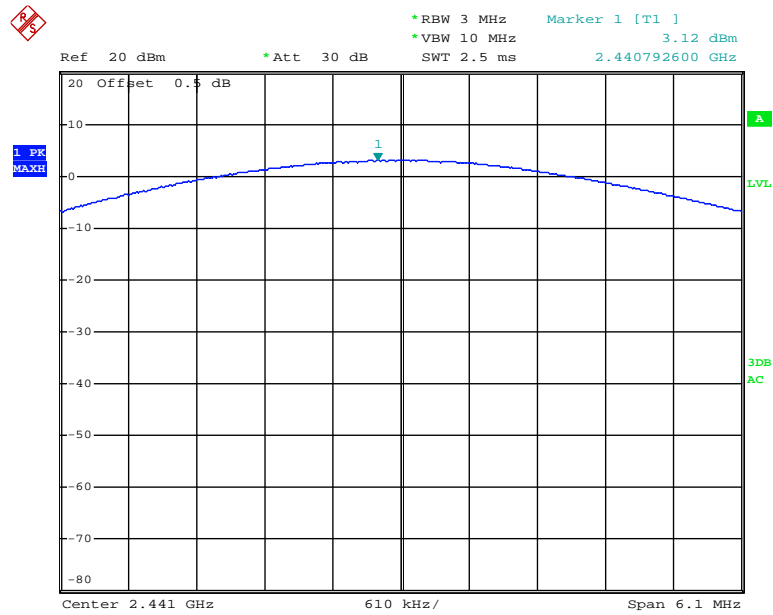
EDR Mode (8-DPSK):

Low Channel



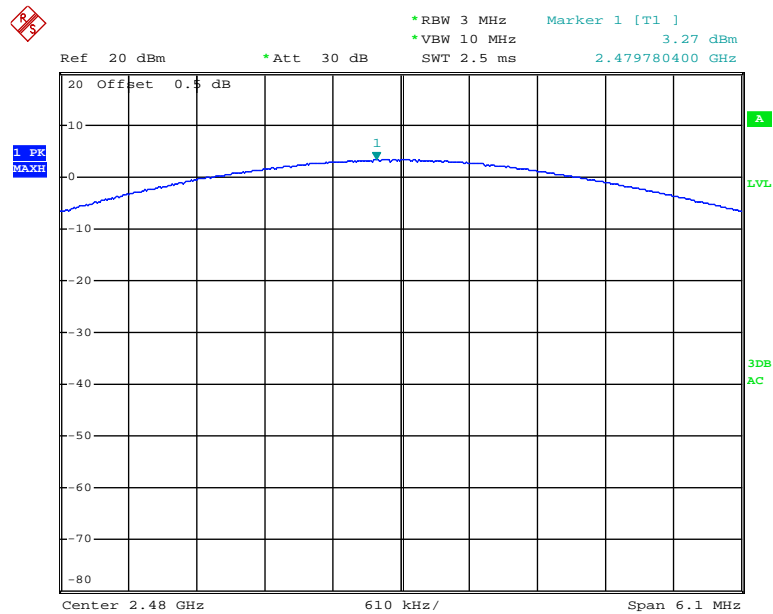
Date: 3.MAY.2017 10:33:46

Middle Channel



Date: 3.MAY.2017 10:35:35

High Channel



Date: 3.MAY.2017 10:37:02

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 both 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
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2016-12-02	2017-12-01
Unknown	RF Cable	Unknown	C-2	Each Time	/

* **Statement of Traceability:** BACL(Chengdu) attests that all of the calibrations on the equipment items listed above were traceable to NIM or to another internationally recognized National Metrology Institute (NMI), and were compliant with the NIST HB 150-2016 Normative Annex B "Implementation of traceability policy in accredited laboratories".

Test Data

Environmental Conditions

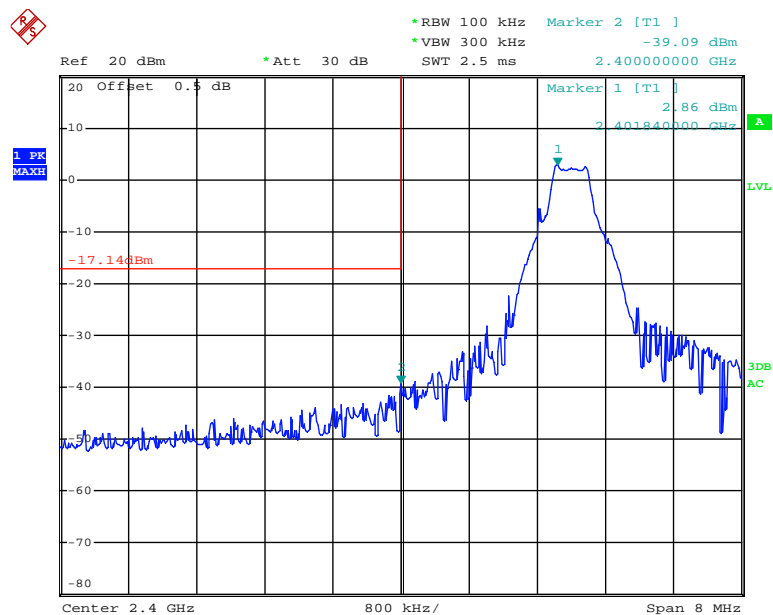
Temperature:	22.8 °C
Relative Humidity:	54 %
ATM Pressure:	96.2 kPa

* The testing was performed by Kevin Hu on 2017-05-03.

Test Result: Compliance

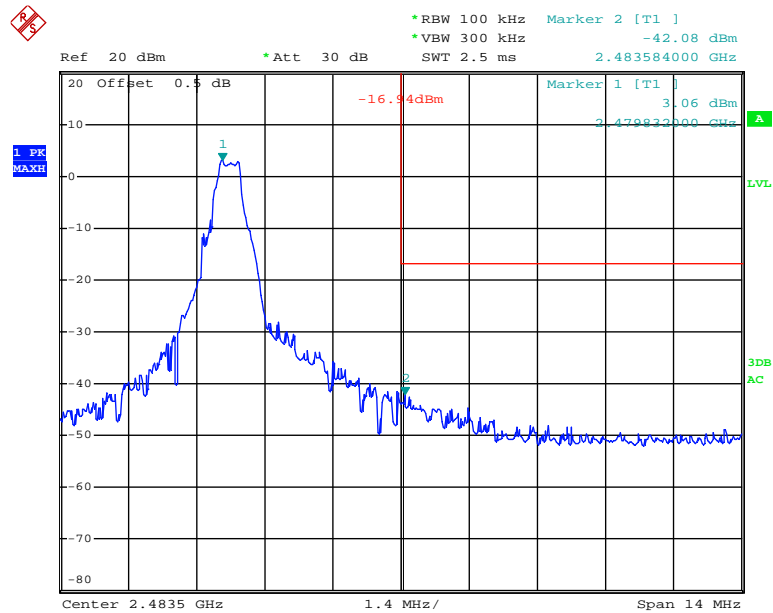
BDR Mode (GFSK):

Band Edge, Left Side



Date: 3.MAY.2017 10:26:04

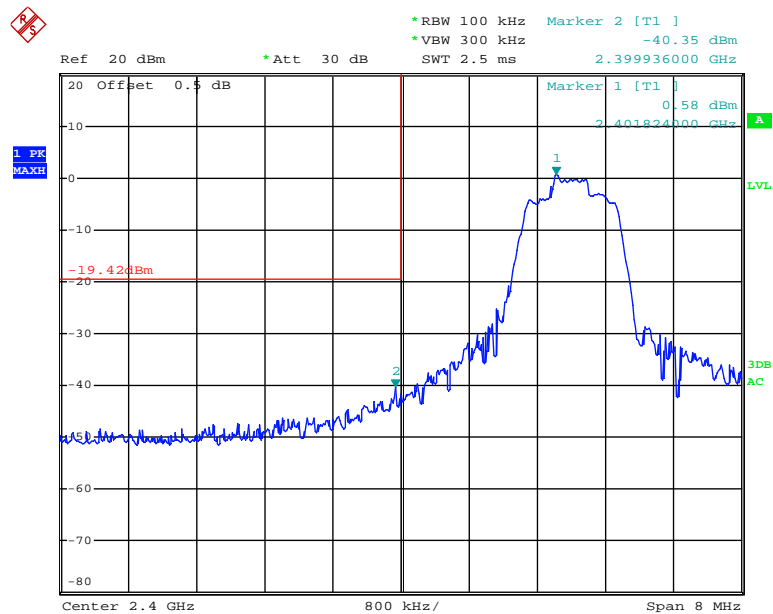
Band Edge, Right Side



Date: 3.MAY.2017 10:27:33

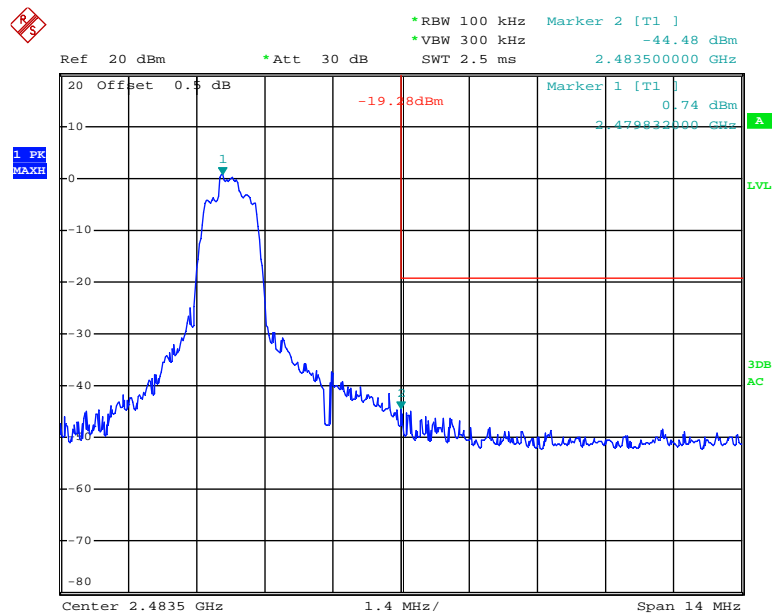
EDR Mode ($\pi/4$ -DQPSK):

Band Edge, Left Side



Date: 3.MAY.2017 10:32:23

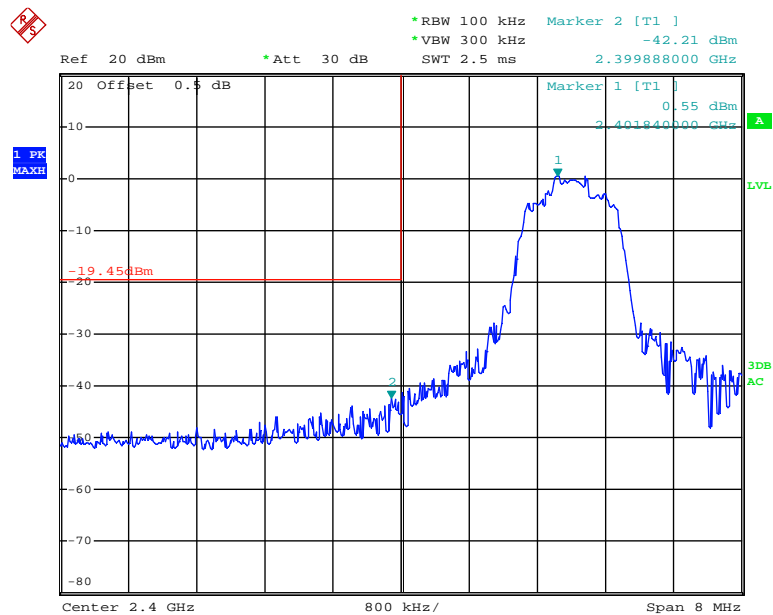
Band Edge, Right Side



Date: 3.MAY.2017 10:29:19

EDR Mode (8-DPSK):

Band Edge, Left Side



Date: 3.MAY.2017 10:34:02

