Shenzhen Academy of Information and Communications Technology

FCC PART 15C
TEST REPORT
No. B17N01624-BT

for

Roam Data Inc.

POS Tablet

Moby/M70

with

Hardware Version: 9888C

Software Version: M70

FCC ID: 2ABY6-M70

Issued Date: 2017-11-27

Designation Number: CN1210

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

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REPORT HISTORY

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1. Test Laborato

1.1. Testing Location

Location:	Shenzhen Academy of Information and Communications Technology
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Postal Code:	518026
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1.2. Testing Environment

Normal Temperature:	15-35℃
Relative Humidity:	20-75%

1.3. Project data

Testing Start Date:	2017-11-06
Testing End Date:	2017-11-17

1.4. Signature

An Ran

(Prepared this test report)

Tang Weisheng

(Reviewed this test report)

Zhang Bojun

(Approved this test report)

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2. Client Information

2.1. Applicant Information

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2.2. Manufacturer Information

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3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	POS Tablet
Model Name	Moby/M70
Market Name	/
Frequency Band	2400MHz~2483.5MHz
Type of Modulation	GFSK/ π /4 DQPSK/8DPSK
Number of Channels	79
Antenna Type	Integrated
Antenna Gain	3.6dBi
Power Supply	3.7V DC by Battery
FCC ID	2ABY6-M70

Note: Components list, please refer to documents of the manufacturer.

3.2. Internal Identification of EUT

EUT ID*	IMEI	HW Version	SW Version	Receive Date
EUT1	/	9888C	M70	2017-10-26

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE

AE ID*	Description	Mode	Manufacturer
AE1	Adapter	/	/
AE2	Battery	/	/

*AE ID: is used to identify the test sample in the lab internally.

3.4. General Description

The Equipment Under Test (EUT) are a model of Tablet with integrated antenna.
It consists of normal options: travel charger, USB cable.
Manual and specifications of the EUT were provided to fulfil the test.
Samples undergoing test were selected by the client.

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4. Reference Documents

4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part15	FCC CFR 47, Part 15, Subpart C: 15.205 Restricted bands of operation; 15.209 Radiated emission limits, general requirements; 15.247 Operation within the bands 902–928MHz, 2400–2483.5 MHz, and 5725–5850 MHz	2016
ANSI C63.10	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices	2013

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5. Test Results

5.1. Summary of Test Results

No	Test cases	Sub-clause of Part15C	Verdict
0	Antenna Requirement	15.203	**P**
1	Maximum Peak Output Power	15.247 (b)	**P**
2	Band Edges Compliance	15.247 (d)	**P**
3	Conducted Spurious Emission	15.247 (d)	**P**
4	Radiated Spurious Emission	15.247,15.205,15.209	**P**
5	Occupied 20dB bandwidth	15.247(a)	**P**
6	Time of Occupancy(Dwell Time)	15.247(a)	**P**
7	Number of Hopping Channel	15.247(a)	**P**
8	Carrier Frequency Separation	15.247(a)	**P**
10	AC Powerline Conducted Emission	15.107,15.207	**P**

See **ANNEX A and ANNEX B** for details.

5.2. Statements

CTTL has evaluated the test cases requested by the applicant/manufacturer as listed in section 5.1 of this report, for the EUT specified in section 3, according to the standards or reference documents listed in section 4.2.

5.3. Terms used in the result table

Terms used in Verdict column

P	Pass
NA	Not Available
F	Fail

Abbreviations

AC	Alternating Current
AFH	Adaptive Frequency Hopping
BW	Band Width
E.I.R.P.	equivalent isotropic radiated power
ISM	Industrial, Scientific and Medical
R&TTE	Radio and Telecommunications Terminal Equipment
RF	Radio Frequency
Tx	Transmitter

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5.4. Laboratory Environment

Semi-anechoic chamber did not exceed following limits along the EMC testing

Temperature	Min. = 15 ˚C, Max. = 30 ˚C
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	0.014MHz - 1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4Ω
Normalised site attenuation (NSA)	< ±4dB, 3m/10m distance, from 30 to 1000 MHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 MHz

Shielded room did not exceed following limits along the EMC testing

Temperature	Min. = 15 ˚C, Max. = 30 ˚C
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	0.014MHz - 1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4 Ω

Fully-anechoic chamber did not exceed following limits along the EMC testing

Temperature	Min. = 15 ˚C, Max. = 30 ˚C
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	0.014MHz - 1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4Ω
Voltage Standing Wave Ratio (VSWR)	≤6dB, from 1 to 18 GHz,3m distance

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6. Test Facilities Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Vector Signal Analyzer	FSV40	100903	Rohde & Schwarz	2018-01-18	1 year
2	Bluetooth Tester	CBT32	100584	Rohde & Schwarz	2018-01-05	1 year

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	LISN	ESH2-Z5	100196	Rohde & Schwarz	2018-01-05	1 year
2	Test Receiver	ESCI	100702	Rohde & Schwarz	2018-06-25	1 year
3	Loop Antenna	HLA6120	35779	TESEQ	2019-05-02	3 years
4	BiLog Antenna	VULB9163	9163 329	Schwarzbeck	2020-02-27	3 years
5	Horn Antenna	3117	00066585	ETS-Lindgren	2019-03-05	3 years
6	Test Receiver	ESR7	101676	Rohde & Schwarz	2018-11-29	1 year
7	Spectrum Analyzer	FSV40	101192	Rohde & Schwarz	2018-05-22	1 year
8	Chamber	FACT5-2.0	4166	ETS-Lindgren	2018-05-13	3 years
9	Antenna	3160-09	LM4214/0011 8383	ETS-Lindgren	2018-07-14	3 years

Test software

No.	Equipment	Manufacturer	Version
1	TechMgr Software	CAICT	2.1.1
2	EMC32	Rohde & Schwarz	8.53.0
3	EMC32	Rohde & Schwarz	10.01.00

EUT is MTK engineering software provided by the customer to control the transmitting signal. The EUT was programmed to be in continuously transmitting mode.

Anechoic chamber

Fully anechoic chamber by ETS-Lindgren

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ANNEX A: MEASUREMENT RESULTS FOR RECEIVER

A.0 Antenna requirement

Measurement Limit:

Standard	Requirement
FCC CRF Part 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Conclusion: The Directional gains of antenna used for transmitting is 3.6dBi.
The RF transmitter uses an integrate antenna without connector.

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A.1 Maximum Peak Output Power

Measurement Limit:

Standard	Limit (dBm)
FCC CRF Part 15.247(b)(1) & RSS-247 Issue1 5.4	< 21

Measurement Results:

Mode	Test Result (dBm)					
	2402MHz (Ch0)		2441MHz (Ch39)		2480 MHz (Ch78)	
GFSK	Fig.1	6.35	Fig.2	6.40	Fig.3	6.19
π /4 DQPSK	Fig.4	6.39	Fig.5	6.44	Fig.6	6.22
8DPSK	Fig.7	6.78	Fig.8	6.84	Fig.9	6.64

See ANNEX B for test graphs.

Conclusion: Pass

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A.2 Band Edges Compliance

Measurement Limit:

Standard	Limit (dBc)
FCC 47 CFR Part 15.247 (d) & RSS-247 Issue1 5.5	> 20

Measurement Result:

Mode	Channel	Hopping	Test Results	Conclusion
GFSK	0	ON	Fig.10	P
	78	ON	Fig.11	P
π /4 DQPSK	0	ON	Fig.12	P
	78	ON	Fig.13	P
8DPSK	0	ON	Fig.14	P
	78	ON	Fig.15	P

Mode	Channel	Hopping	Test Results	Conclusion
GFSK	0	OFF	Fig.16	P
	78	OFF	Fig.17	P
π /4 DQPSK	0	OFF	Fig.18	P
	78	OFF	Fig.19	P
8DPSK	0	OFF	Fig.20	P
	78	OFF	Fig.21	P

See ANNEX B for test graphs.

Conclusion: Pass

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A.3 Conducted Emission

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247 (d) & RSS-247 Issue1 5.5	20dB below peak output power in 100 kHz bandwidth

Measurement Results:

MODE	Channel	Frequency Range	Test Results	Conclusion
GFSK	0	2.402 GHz	Fig.22	P
		1GHz-3GHz	Fig.23	P
		3GHz-10GHz	Fig.24	P
	39	2.441 GHz	Fig.25	P
		1GHz-3GHz	Fig.26	P
		3GHz-10GHz	Fig.27	P
	78	2.480 GHz	Fig.28	P
		1GHz-3GHz	Fig.29	P
		3GHz-10GHz	Fig.30	P
π /4 DQPSK	0	2.402 GHz	Fig.31	P
		1GHz-3GHz	Fig.32	P
		3GHz-10GHz	Fig.33	P
	39	2.441 GHz	Fig.34	P
		1GHz-3Ghz	Fig.35	P
		3GHz-10GHz	Fig.36	P
	78	2.480 GHz	Fig.37	P
		1GHz-3Ghz	Fig.38	P
		3GHz-10GHz	Fig.39	P
8DPSK	0	2.402 GHz	Fig.40	P
		1GHz-3GHz	Fig.41	P
		3GHz-10GHz	Fig.42	P
	39	2.441 GHz	Fig.43	P
		1GHz-3GHz	Fig.44	P
		3GHz-10GHz	Fig.45	P
	78	2.480 GHz	Fig.46	P
		1GHz-3GHz	Fig.47	P
		3GHz-10GHz	Fig.48	P
/	All channels	30 MHz-1GHz	Fig.49	P
		10GHz-26GHz	Fig.50	P

See ANNEX B for test graphs.

Conclusion: Pass

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A.4 Radiated Emission

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209 & RSS-247 Issue1 5.5	20dB below peak output power

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)).

Limit in restricted band:

Frequency of emission (MHz)	Field strength(μV/m)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Condition:

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz/300kHz	5
1000-4000	1MHz/3MHz	15
4000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

Note: According to the performance evaluation, the radiated emission margin of EUT is over 20dB in the band from 9kHz to 30MHz. Therefore, the measurement starts from 30MHz to tenth harmonic.

The measurement results include the horizontal polarization and vertical polarization measurements.

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Measurement Results:

Mode	Channel	Frequency Range	Test Results	Conclusion
GFSK	0	1 GHz ~18 GHz	Fig.51	P
	39	1 GHz ~18 GHz	Fig.52	P
	78	1 GHz ~18 GHz	Fig.53	P
	Restricted Band(CH0)	2.38 GHz ~ 2.45 GHz	Fig.54	P
	Restricted Band (CH78)	2.45 GHz ~ 2.5 GHz	Fig.55	P
π /4 DQPSK	0	1 GHz ~18 GHz	Fig.56	P
	39	1 GHz ~18 GHz	Fig.57	P
	78	1 GHz ~18 GHz	Fig.58	P
	Restricted Band (CH0)	2.38 GHz ~ 2.45 GHz	Fig.59	P
	Restricted Band (CH78)	2.45 GHz ~ 2.5 GHz	Fig.60	P
8DPSK	0	1 GHz ~18 GHz	Fig.61	P
	39	1 GHz ~18 GHz	Fig.62	P
	78	1 GHz ~18 GHz	Fig.63	P
	Restricted Band (CH0)	2.38 GHz ~ 2.45 GHz	Fig.64	P
	Restricted Band (CH78)	2.45 GHz ~ 2.5 GHz	Fig.65	P
/	All channels	9 kHz ~30 MHz	Fig.66	P
		30 MHz ~1 GHz	Fig.67	P
		18 GHz ~26.5 GHz	Fig.68	P

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Worst Case Result

GFSK CH39 (1-18GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
13964.000000	56.48	74.00	17.52	V	20.0
14682.000000	57.18	74.00	16.82	H	21.5
15524.000000	60.21	74.00	13.79	V	22.9
16082.500000	61.58	74.00	12.42	V	25.4
16643.000000	62.49	74.00	11.51	V	25.7
17874.000000	61.96	74.00	12.04	H	27.8

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
13910.500000	44.92	54.00	9.08	H	21.1
14681.000000	45.13	54.00	8.87	V	21.5
15574.000000	49.06	54.00	4.94	V	23.7
15939.000000	50.28	54.00	3.72	V	24.9
16593.500000	51.15	54.00	2.85	H	26.3
17711.000000	51.00	54.00	3.00	H	27.7

π /4 DQPSK CH39 (1-18GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
12736.500000	54.94	74.00	19.06	V	19.7
14577.000000	56.49	74.00	17.51	H	21.2
15551.500000	60.03	74.00	13.97	V	23.4
16325.000000	61.82	74.00	12.18	H	25.8
16555.000000	62.54	74.00	11.46	H	25.6
17701.500000	63.29	74.00	10.71	H	27.5

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
13907.500000	44.82	54.00	9.18	V	21.0
14688.000000	45.11	54.00	8.89	V	21.6
15574.000000	48.87	54.00	5.13	V	23.7
15936.000000	50.23	54.00	3.77	V	24.9
16592.500000	50.87	54.00	3.13	H	26.3
17704.500000	50.77	54.00	3.23	H	27.6

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8DPSK CH39 (1-18GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
13918.500000	55.65	74.00	18.35	V	20.5
14622.500000	56.39	74.00	17.61	V	21.6
15564.000000	61.26	74.00	12.74	H	23.4
15854.000000	61.80	74.00	12.20	V	24.2
16579.000000	63.17	74.00	10.83	V	26.4
17705.500000	62.84	74.00	11.16	H	27.6

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
13907.500000	44.82	54.00	9.18	V	21.0
14688.000000	45.11	54.00	8.89	V	21.6
15574.000000	48.87	54.00	5.13	V	23.7
15936.000000	50.23	54.00	3.77	V	24.9
16592.500000	50.87	54.00	3.13	H	26.3
17704.500000	50.77	54.00	3.23	H	27.6

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of “reference path loss”, and Antenna Factor, the gain of the preamplifier, the cable loss. P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

Result= P_{Mea} +Cable Loss +Antenna Factor-Gain of the preamplifier.

See ANNEX B for test graphs.

Conclusion: Pass

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A.5 20dB Bandwidth

Measurement Limit:

Standard	Limit (kHz)
FCC 47 CFR Part 15.247 (a) & RSS-247 Issue1 5.1	/

Measurement Result:

Mode	Channel	20dB Bandwidth (KHz)		conclusion
GFSK	0	Fig.69	944	/
	39	Fig.70	943	
	78	Fig.71	944	
π /4 DQPSK	0	Fig.72	1260	/
	39	Fig.73	1279	
	78	Fig.74	1261	
8DPSK	0	Fig.75	1254	/
	39	Fig.76	1255	
	78	Fig.77	1287	

See ANNEX B for test graphs.

Conclusion: PASS

A.6 Time of Occupancy (Dwell Time)

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247(a) & RSS-247 Issue1 5.1	< 400 ms

Measurement Results:

Mode	Channel	Packet	Dwell Time(ms)		Conclusion
GFSK	39	DH5	Fig.78	308	**P**
			Fig.79		
π /4 DQPSK	39	2-DH5	Fig.80	308	**P**
			Fig.81		
8DPSK	39	3-DH5	Fig.82	308	**P**
			Fig.83		

See ANNEX B for test graphs.

Conclusion: Pass

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A.7 Number of Hopping Channels

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247(a) & RSS-247 Issue1 5.1	At least 15 non-overlapping channels

Measurement Results:

Mode	Packet	Number of hopping		Test result	Conclusion
GFSK	DH5	Fig.84	Fig.85	79	**P**
π/4 DQPSK	2-DH5	Fig.86	Fig.87	79	**P**
8DPSK	3-DH5	Fig.88	Fig.89	79	**P**

See ANNEX B for test graphs.

Conclusion: Pass

A.8 Carrier Frequency Separation

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247(a) & RSS-247 Issue1 5.1	By a minimum of 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater

Measurement Results:

Mode	Channel	Packet	Separation of hopping channels	Test result (KHz)	Conclusion
GFSK	39	DH5	Fig.90	1004	P
π/4 DQPSK	39	2-DH5	Fig.91	1328	P
8DPSK	39	3-DH5	Fig.92	1003	P

See ANNEX B for test graphs.

Conclusion: Pass

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A.9 AC Power line Conducted Emission

Test Condition:

Voltage（V）	Frequency（Hz）
120	60

Measurement Result and limit:

BT (Quasi-peak Limit)-AE1

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		Traffic	Idle	
0.15 to 0.5	66 to 56	Fig.93	Fig.94	P
0.5 to 5	56			
5 to 30	60			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

BT (Average Limit)-AE1

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV)		Conclusion
		Traffic	Idle	
0.15 to 0.5	56 to 46	Fig 93	Fig 94	P
0.5 to 5	46			
5 to 30	50			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Note: The measurement results include the L1 and N measurements.

See ANNEX B for test graphs.

Conclusion: Pass

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ANNEX B: TEST FIGURE LIST

Fig. 1 Maximum Peak Output Power(GFSK, Ch 0)

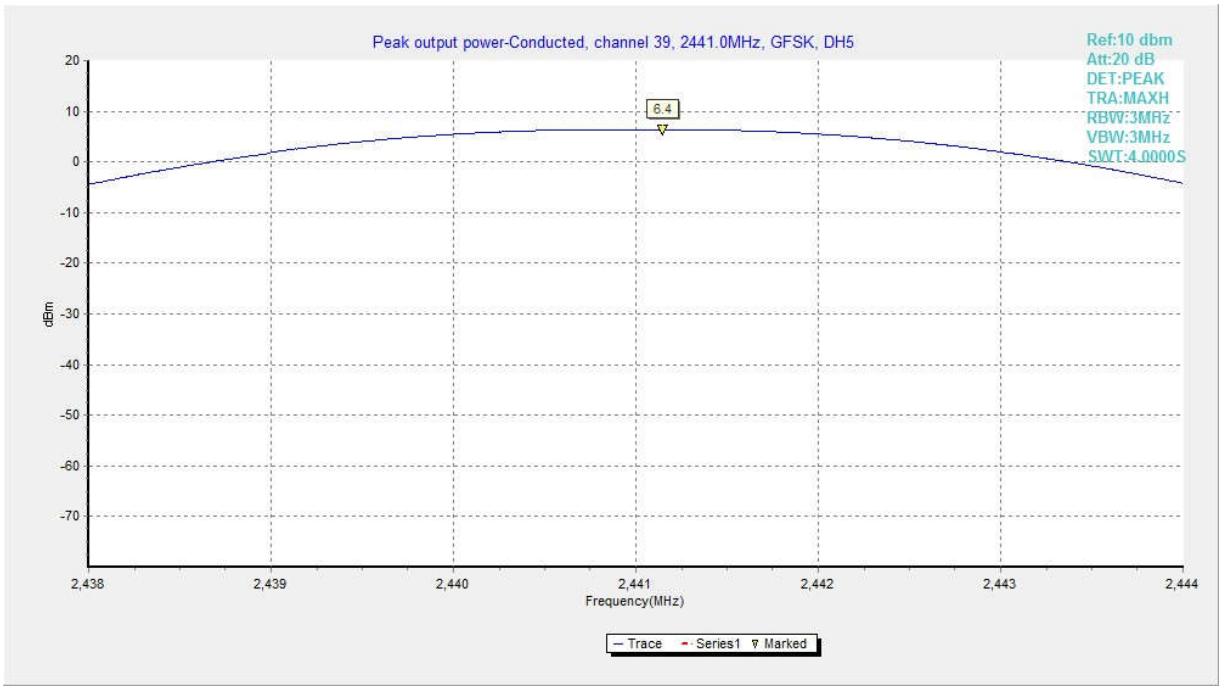

Fig. 2 Maximum Peak Output Power(GFSK, Ch 39)

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Fig. 3 Maximum Peak Output Power(GFSK, Ch 78)

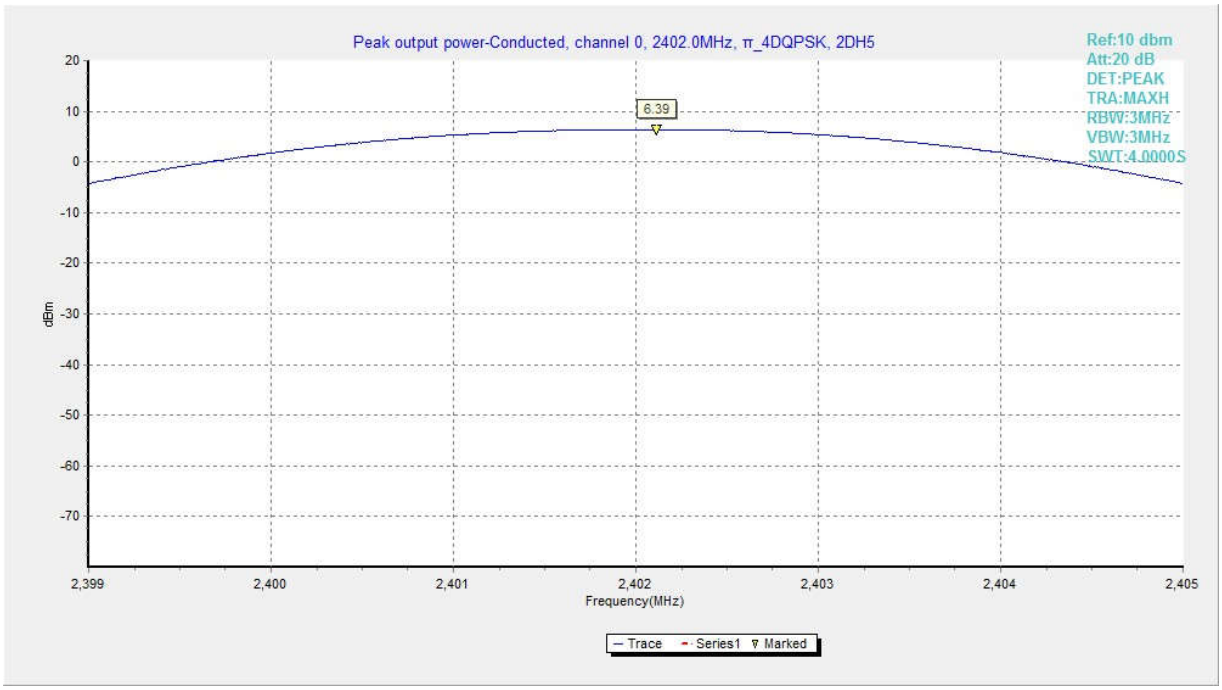

Fig. 4 Maximum Peak Output Power(π /4 DQPSK, Ch 0)

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Fig. 5 Maximum Peak Output Power(π /4 DQPSK, Ch 39)

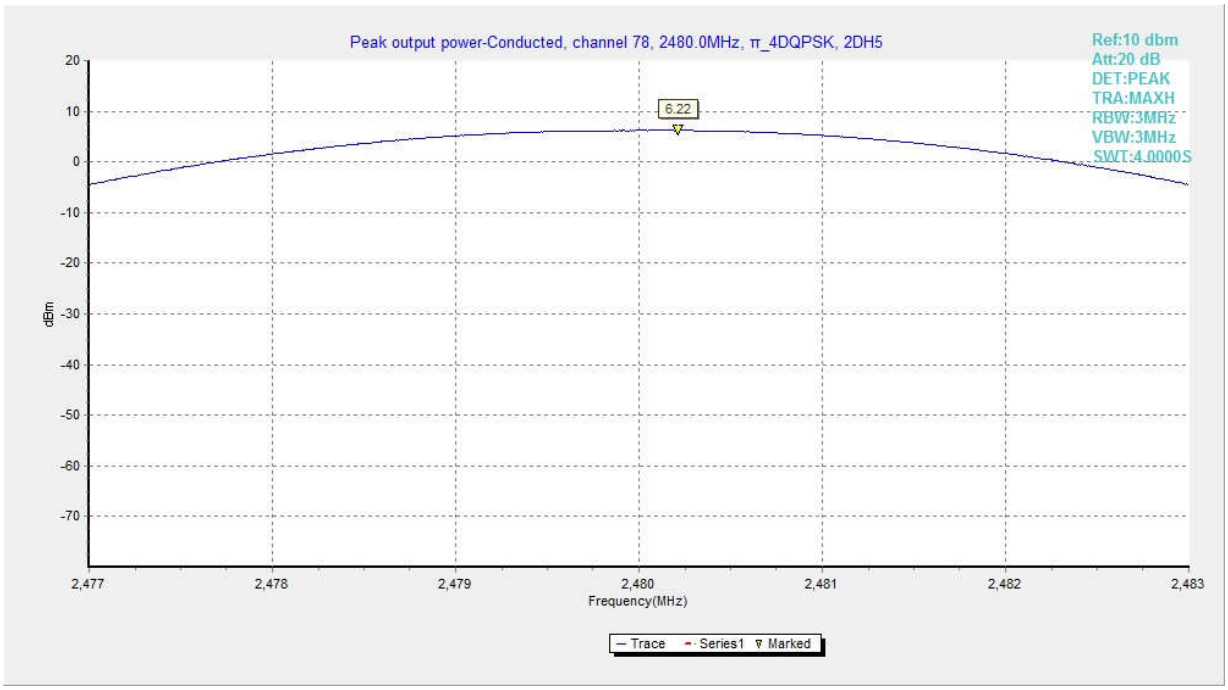

Fig. 6 Maximum Peak Output Power(π /4 DQPSK, Ch 78)

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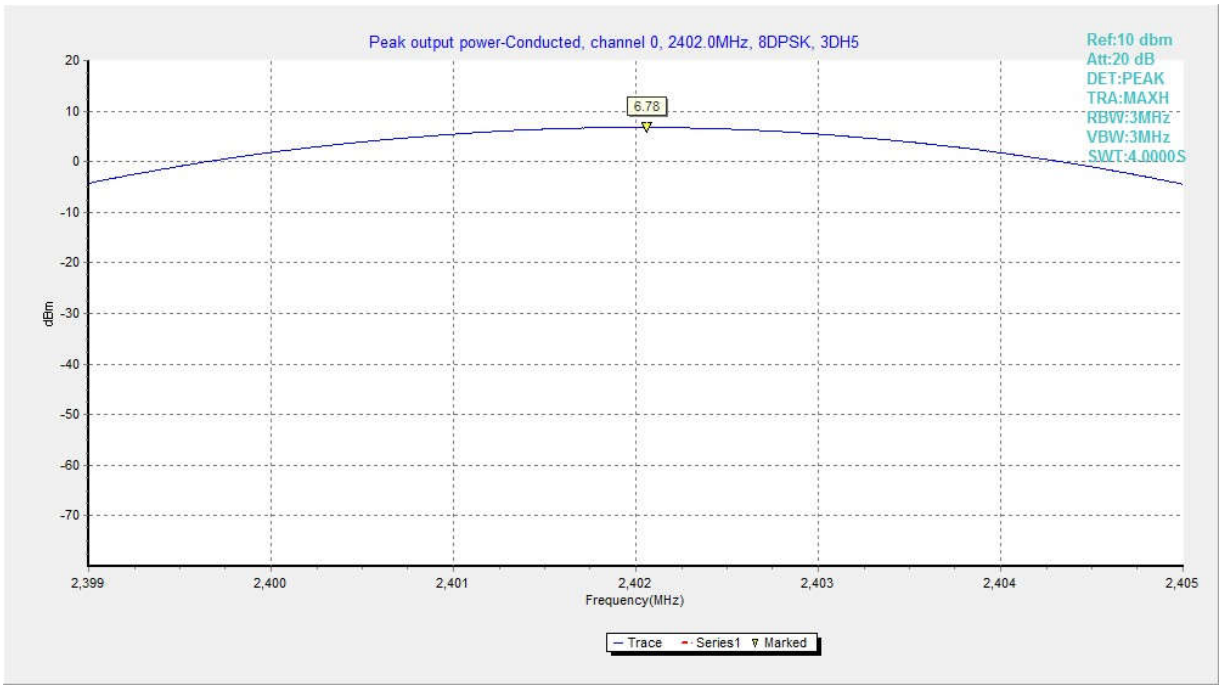

Fig. 7 Maximum Peak Output Power(8DPSK, Ch 0)

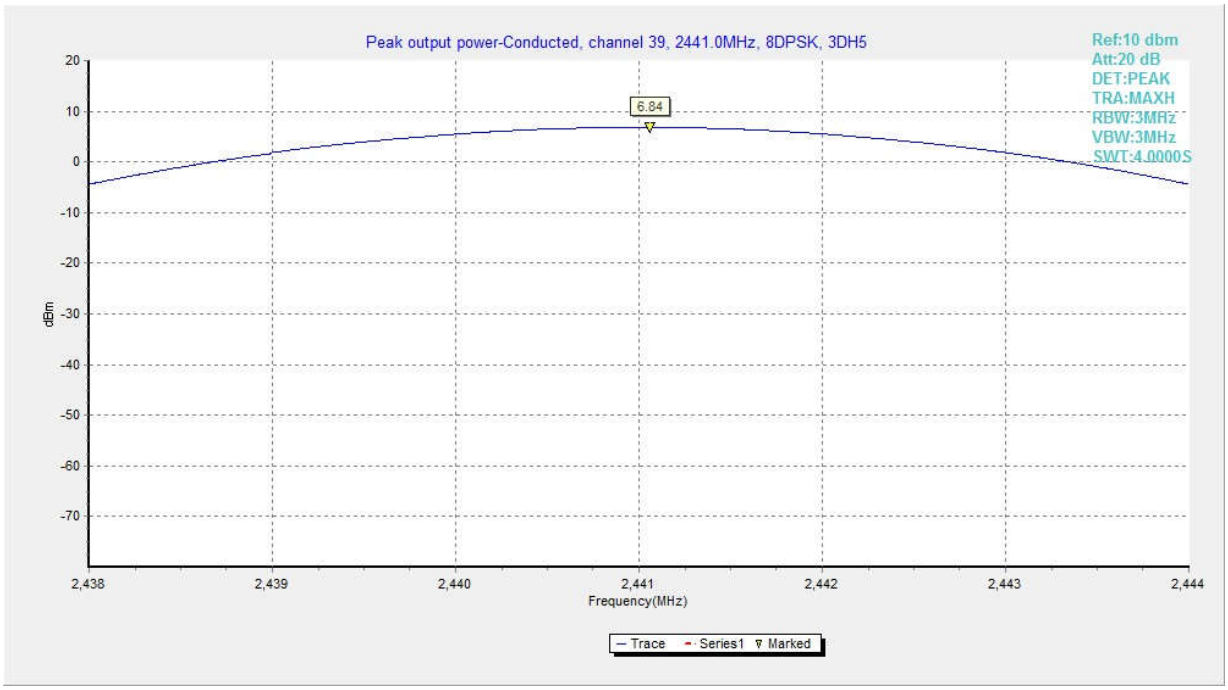

Fig. 8 Maximum Peak Output Power(8DPSK, Ch 39)

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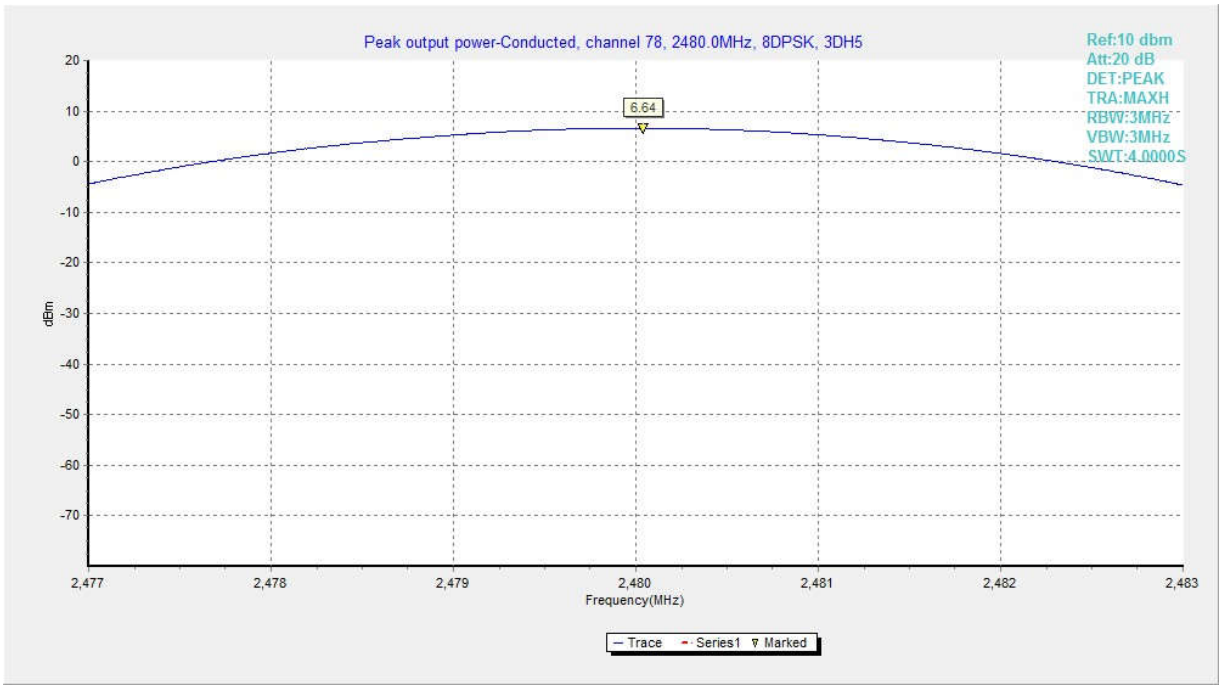

Fig. 9 Maximum Peak Output Power(8DPSK, Ch 78)

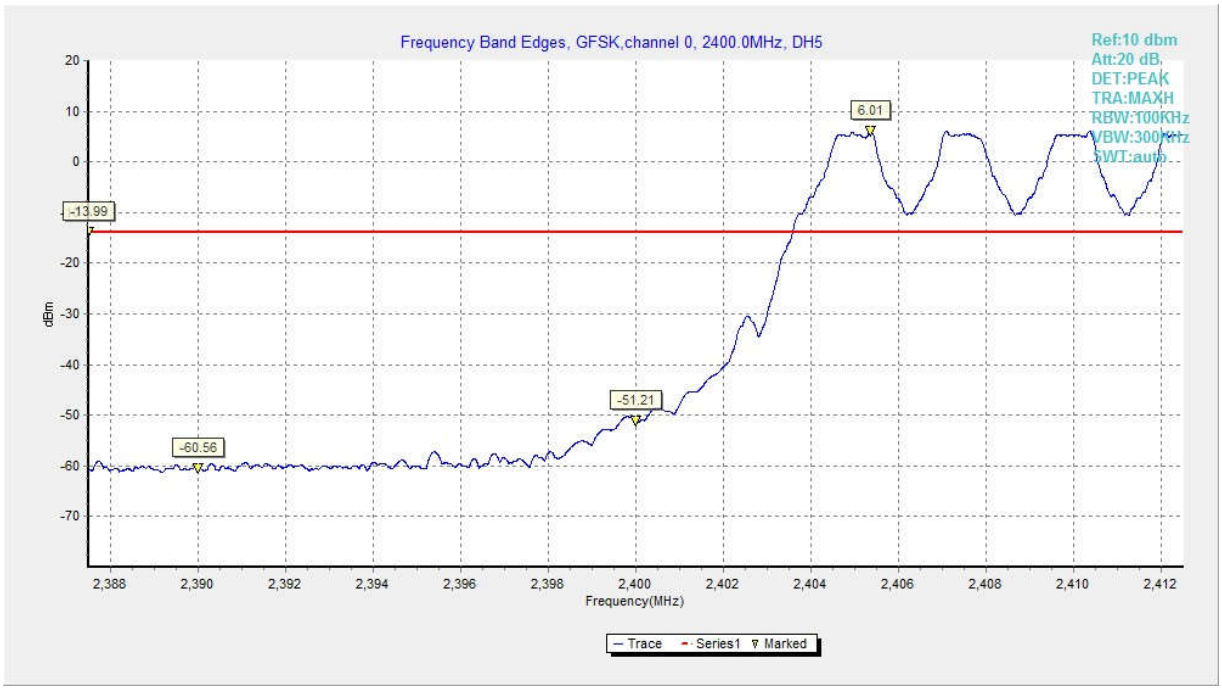

Fig. 10 Band Edges (GFSK, Ch 0, Hopping ON)

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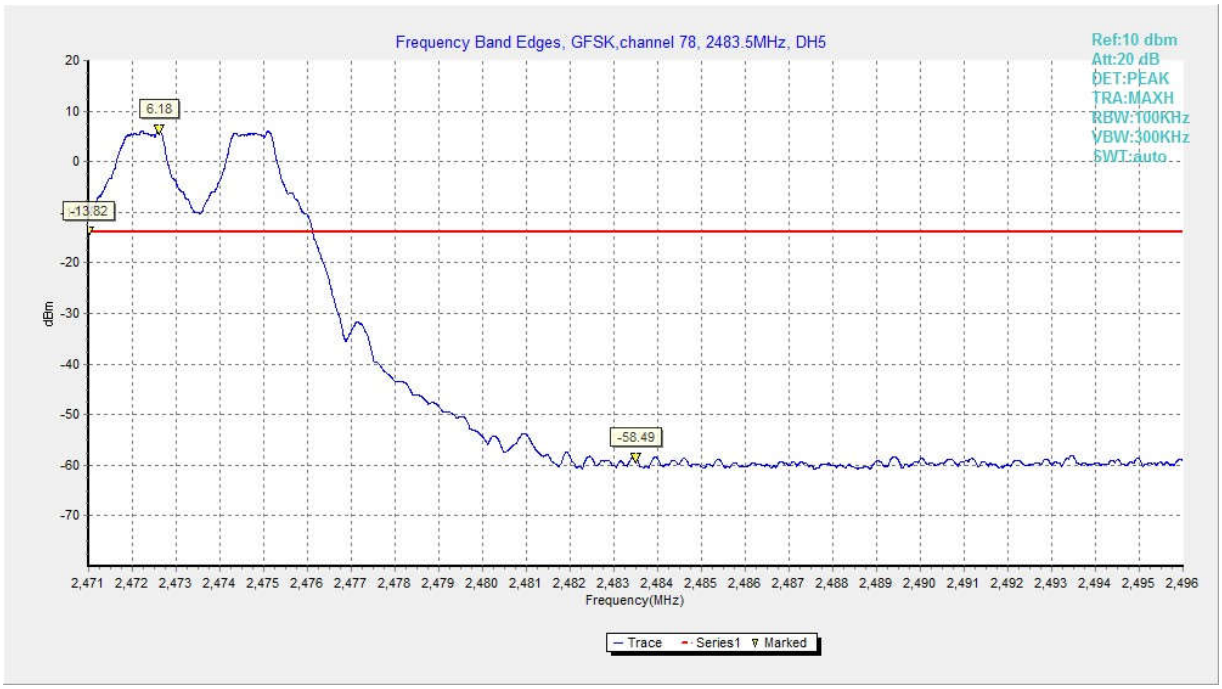

Fig. 11 Band Edges (GFSK, Ch 78, Hopping ON)

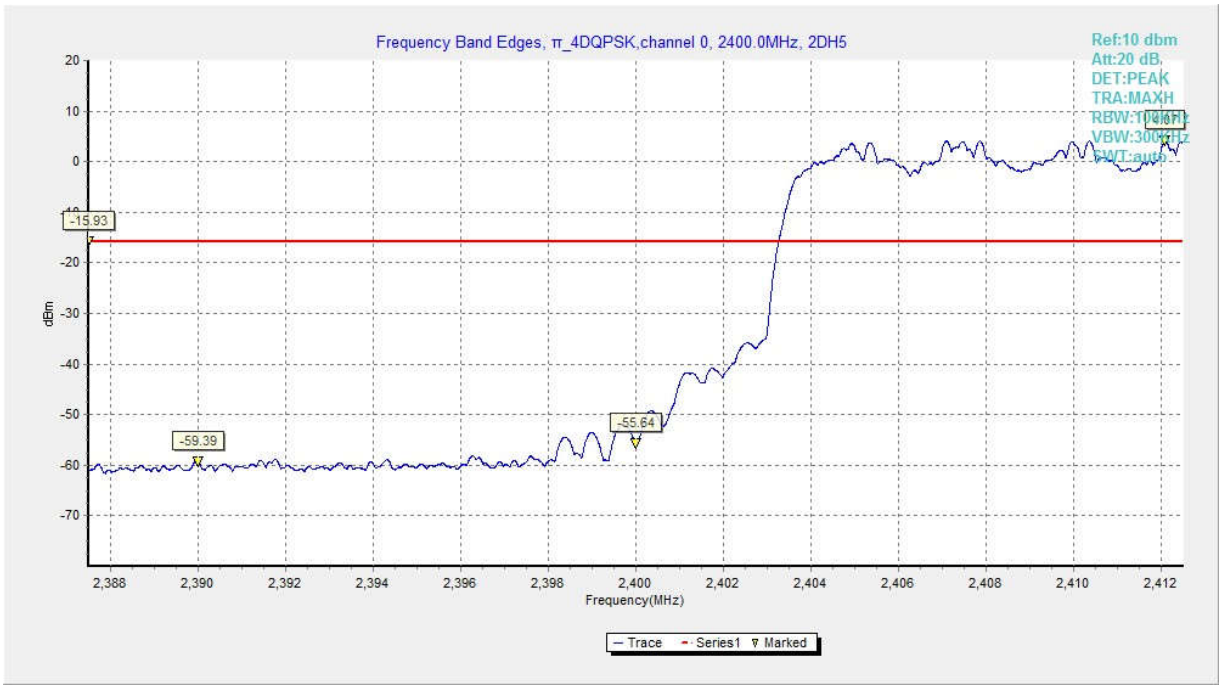

Fig. 12 Band Edges (π /4 DQPSK, Ch 0, Hopping ON)

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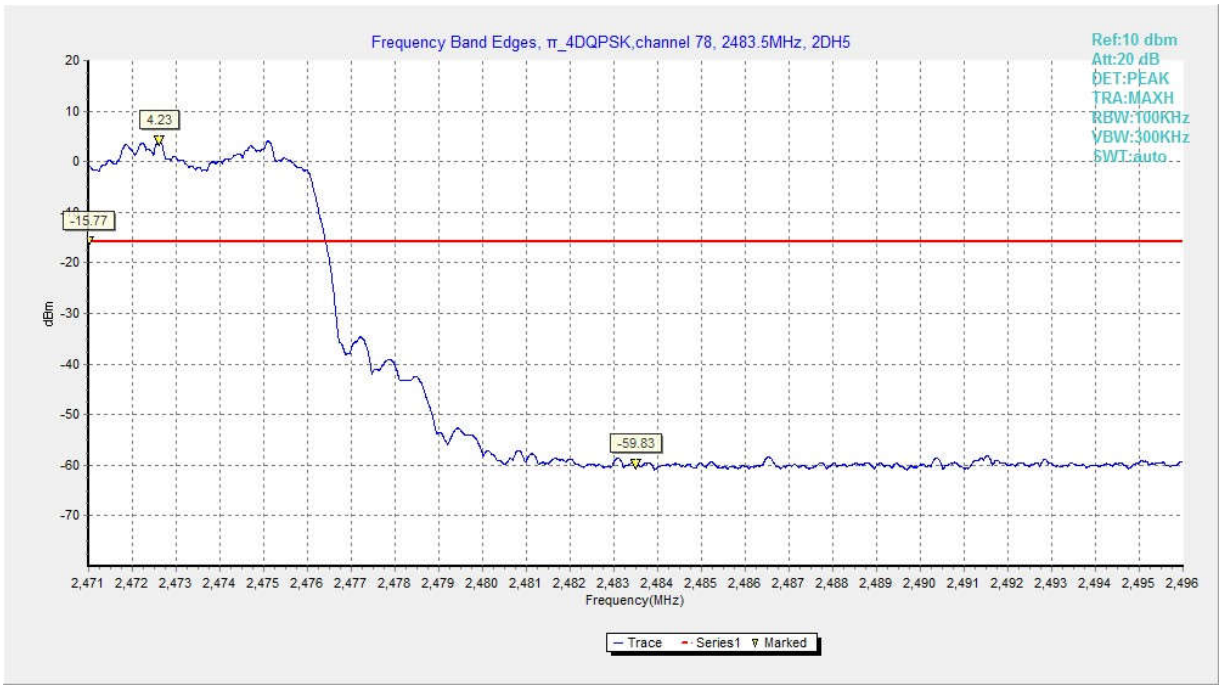

Fig. 13 Band Edges (π /4 DQPSK, Ch 78, Hopping ON)

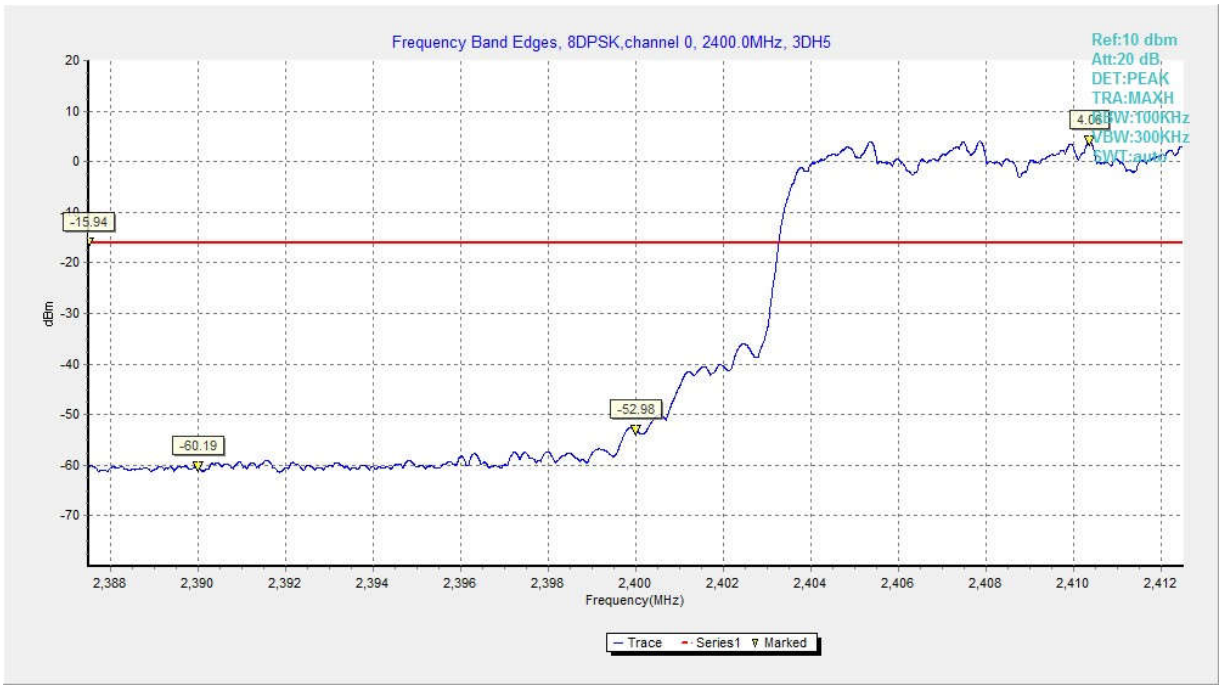

Fig. 14 Band Edges (8DPSK, Ch 0, Hopping ON)

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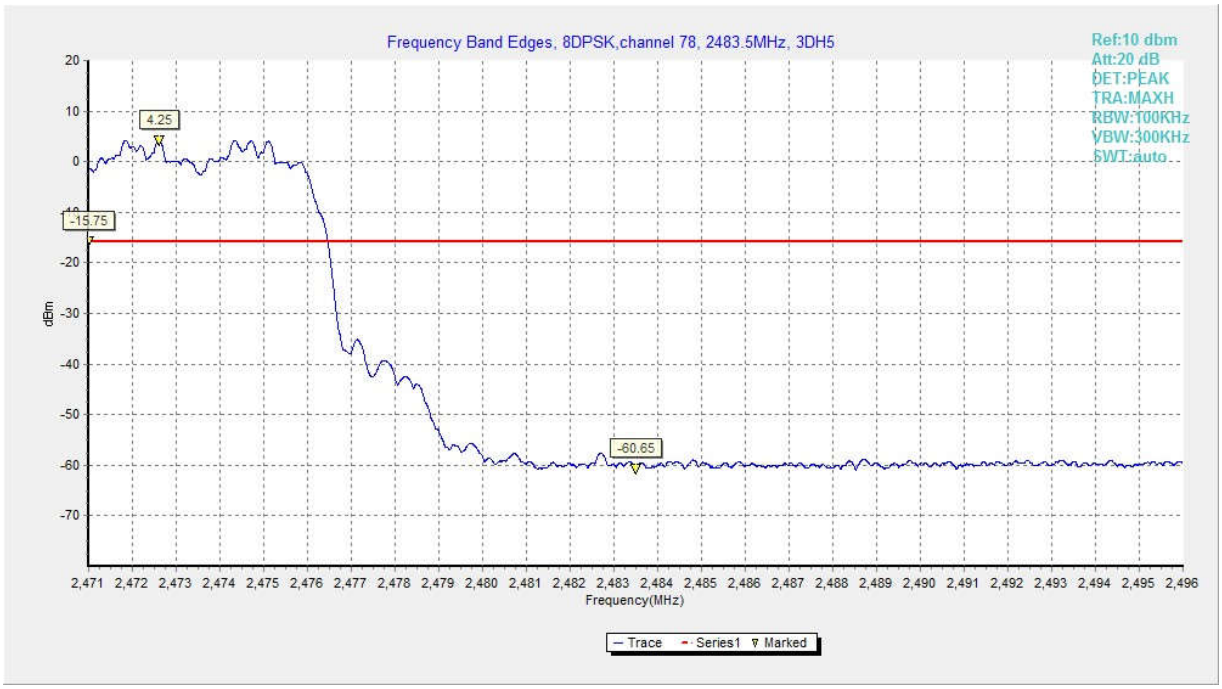

Fig. 15 Band Edges (8DPSK, Ch 78, Hopping ON)

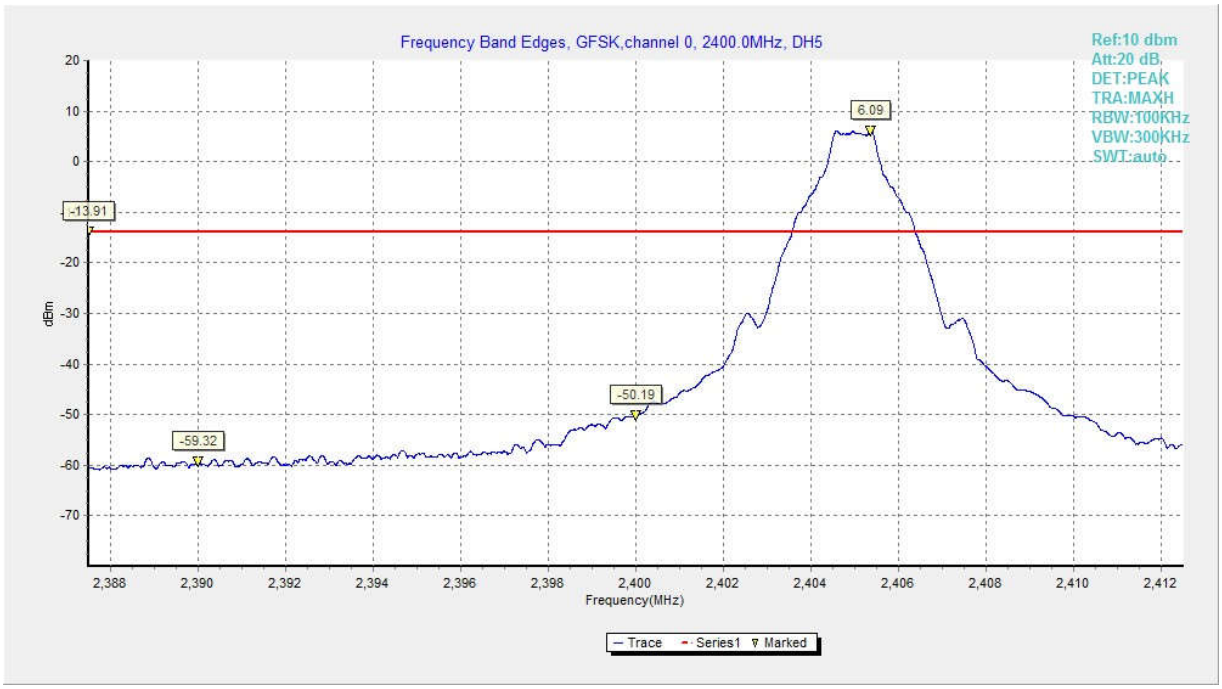

Fig. 16 Band Edges (GFSK, Ch 0, Hopping OFF)

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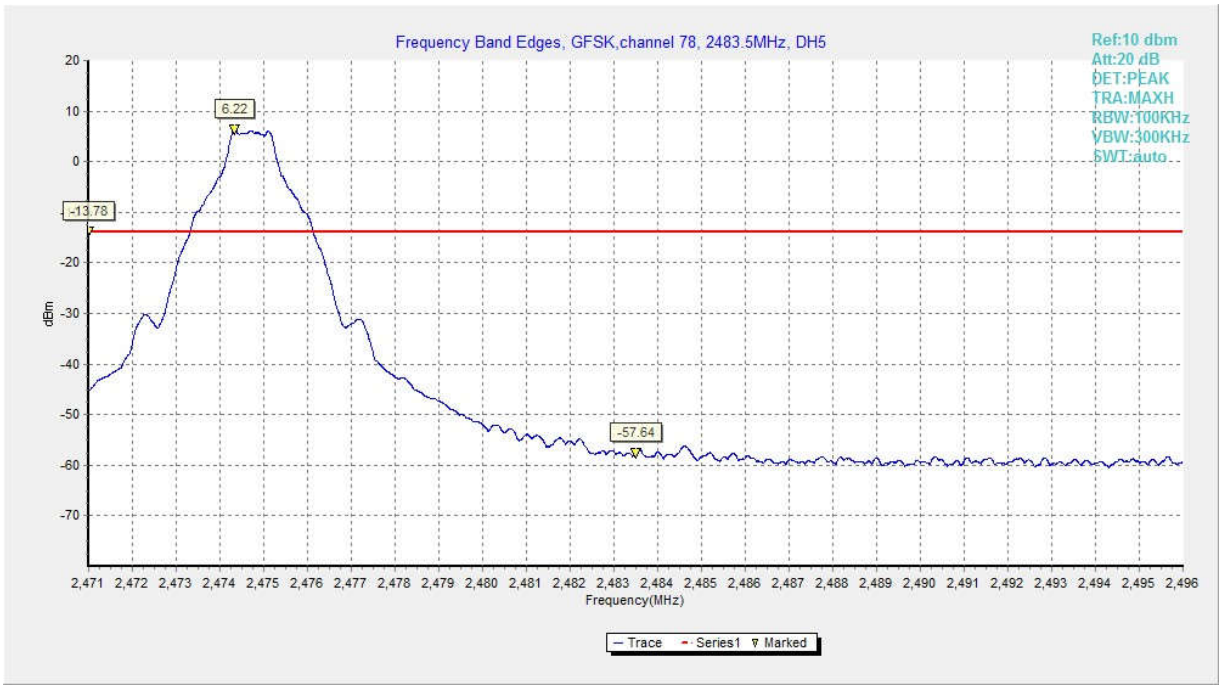

Fig. 17 Band Edges (GFSK, Ch 78, Hopping OFF)

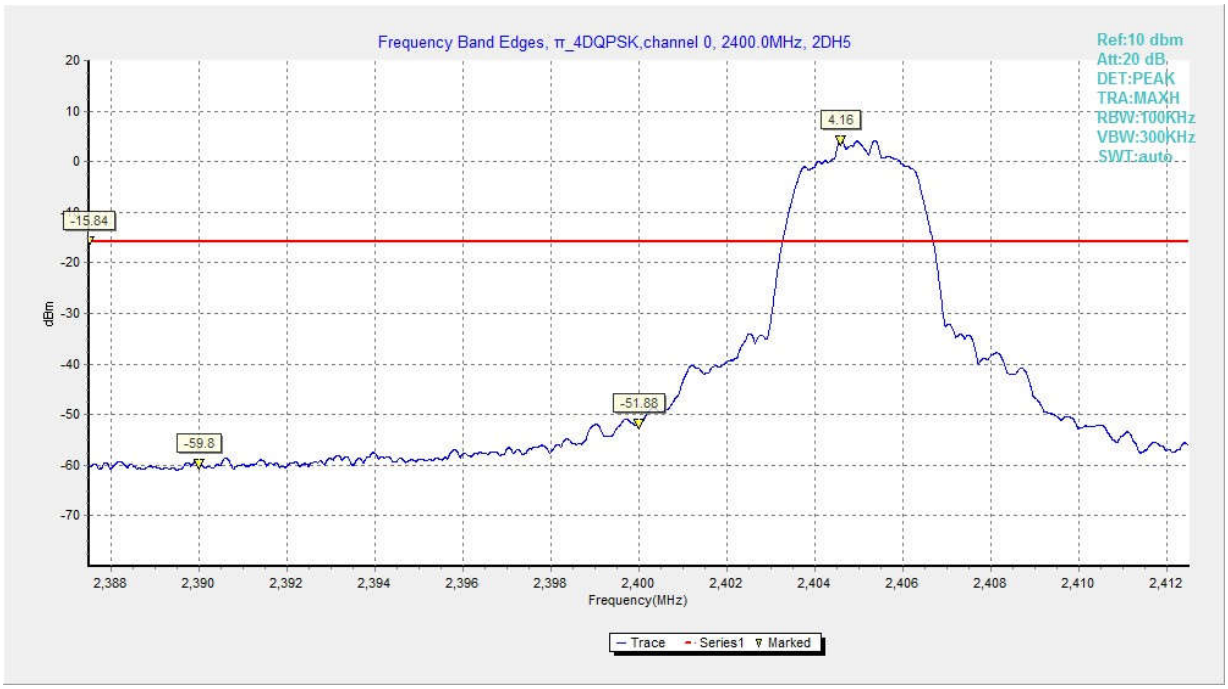

Fig. 18 Band Edges (π /4 DQPSK, Ch 0, Hopping OFF)

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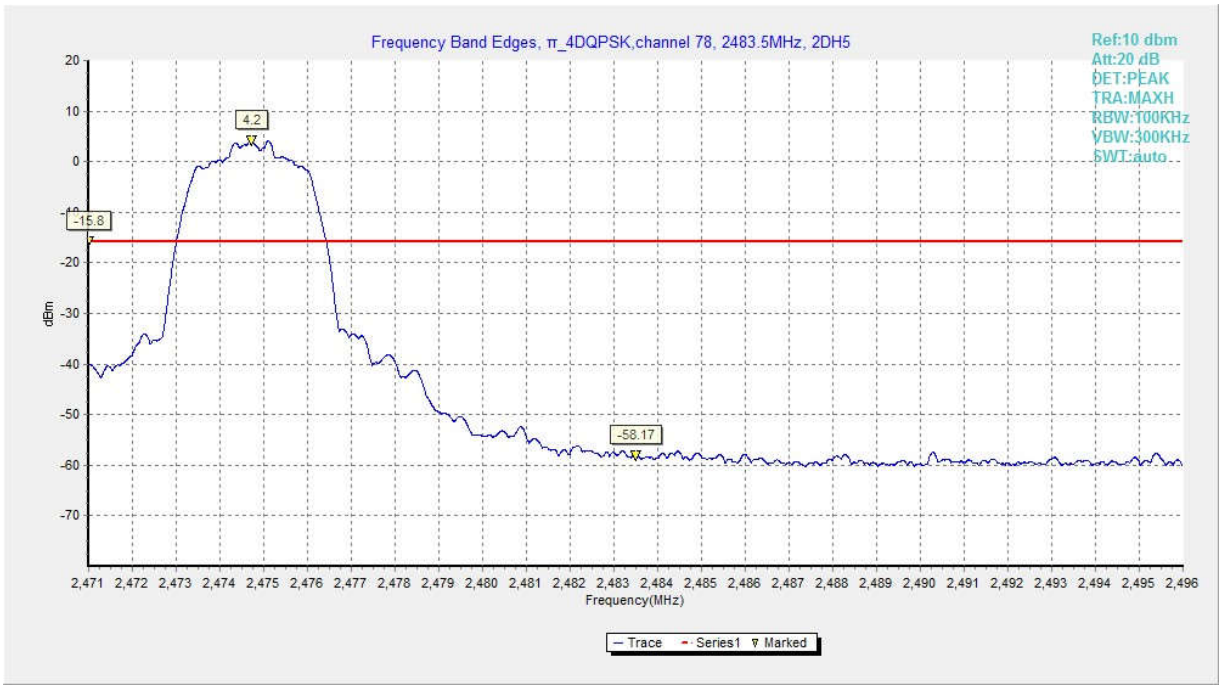

Fig. 19 Band Edges (π /4 DQPSK, Ch 78, Hopping OFF)

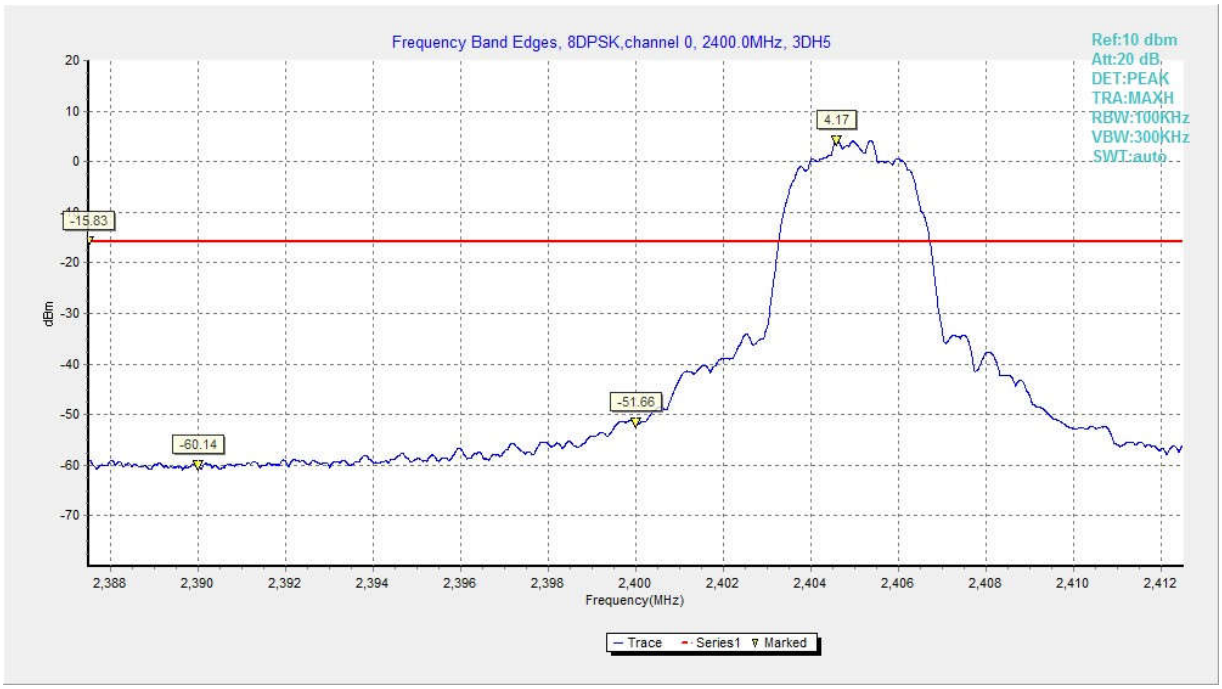

Fig. 20 Band Edges (8DPSK, Ch 0, Hopping OFF)

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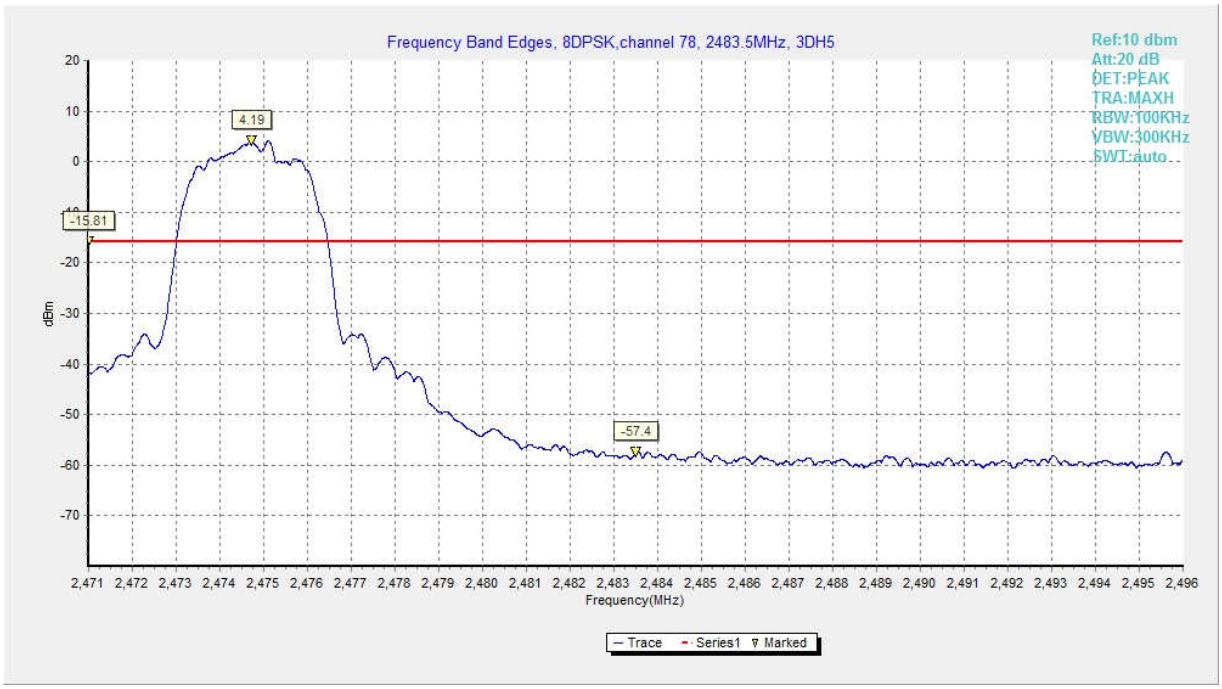

Fig. 21 Band Edges (8DPSK, Ch 78, Hopping OFF)

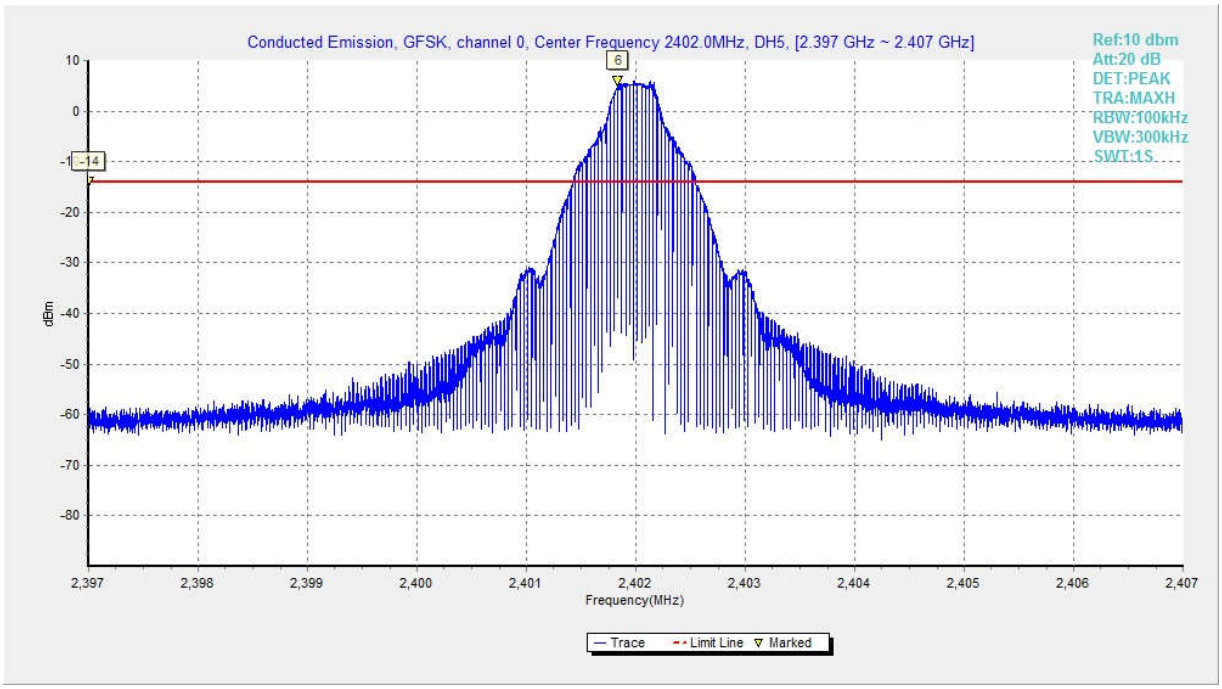

Fig. 22 Conducted Spurious Emission (GFSK, Ch0, 2.402GHz)

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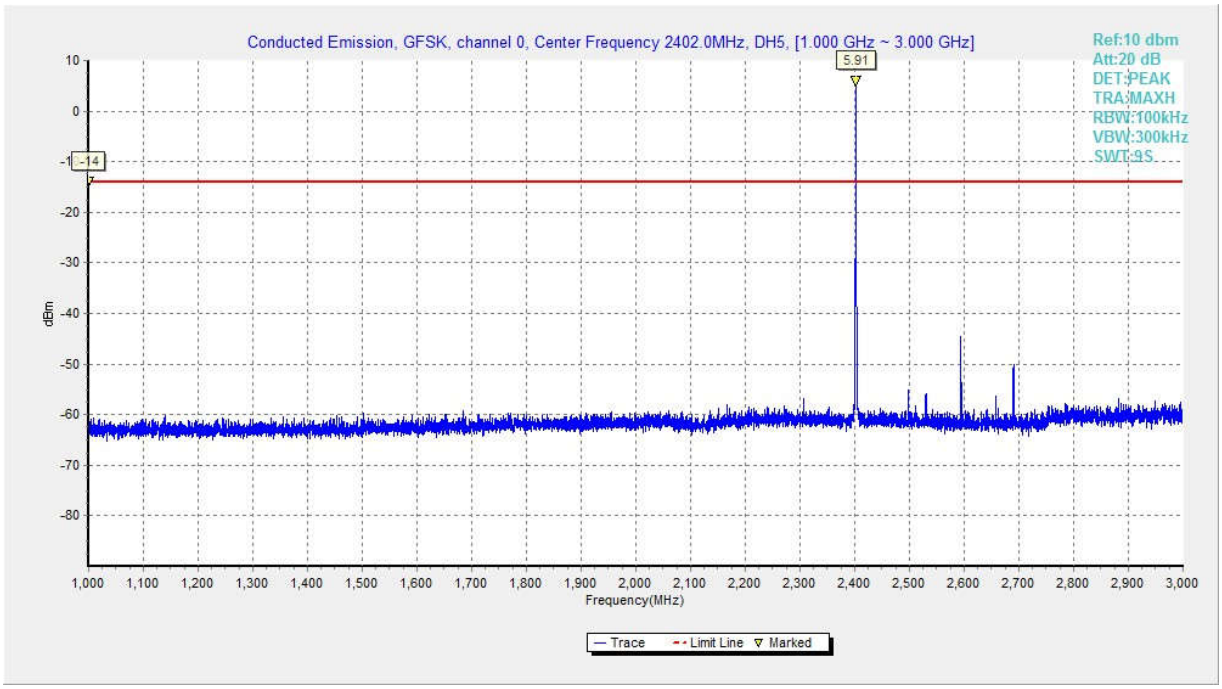

Fig. 23 Conducted Spurious Emission (GFSK, Ch0, 1 GHz-3 GHz)

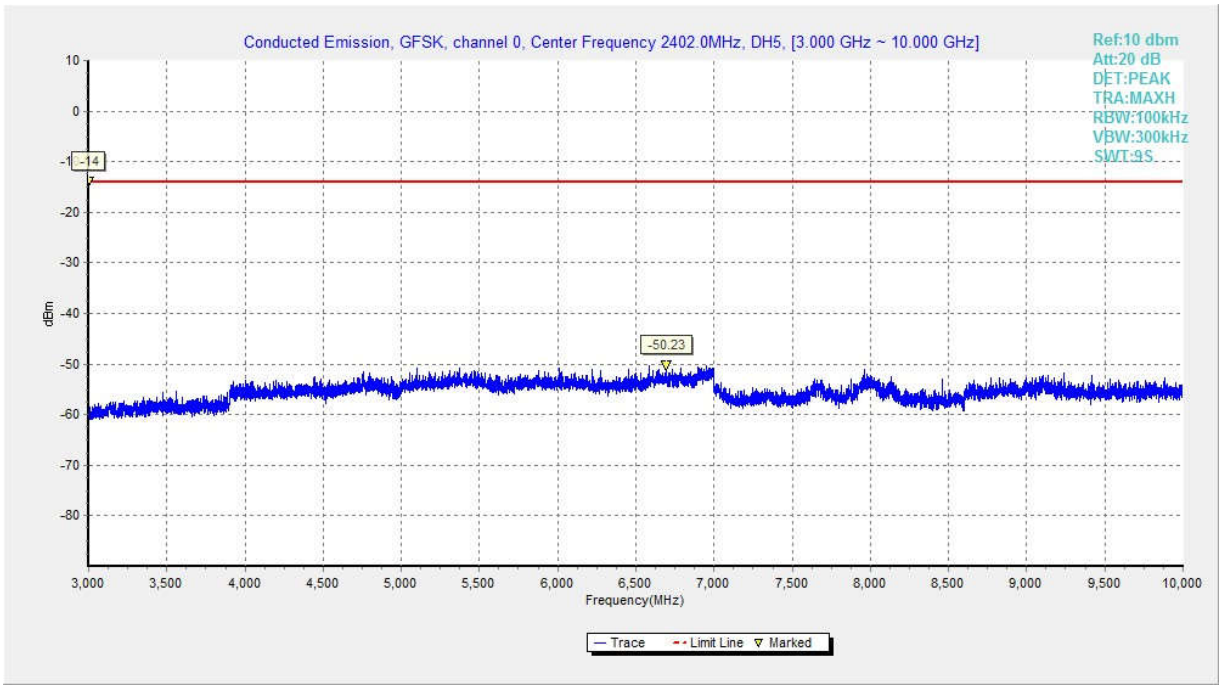

Fig. 24 Conducted Spurious Emission (GFSK, Ch0, 3GHz-10 GHz)

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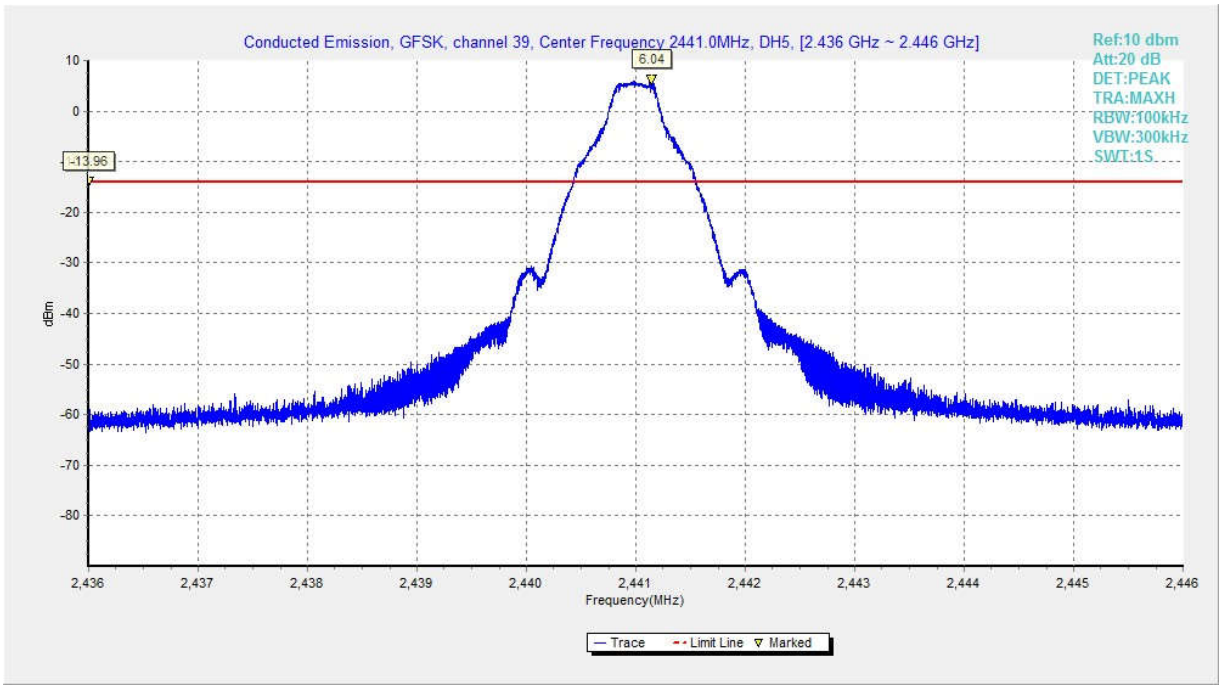

Fig. 25 Conducted Spurious Emission (GFSK, Ch39, 2.441GHz)

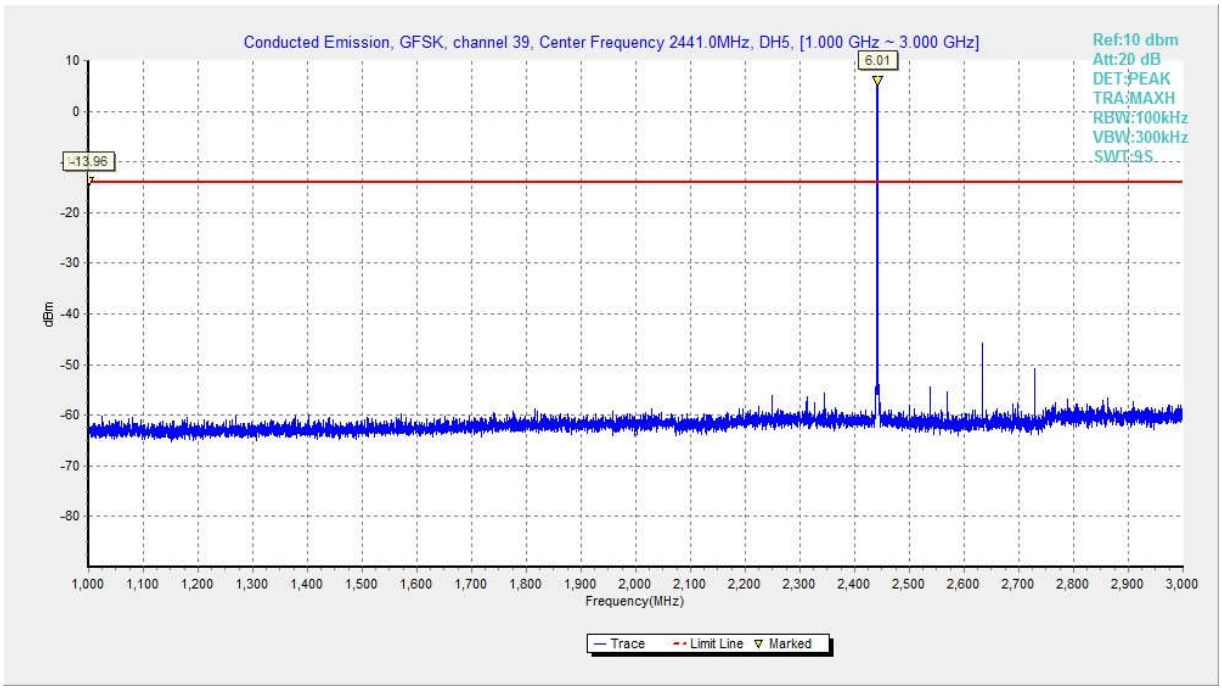

Fig. 26 Conducted Spurious Emission (GFSK, Ch39, 1GHz-3 GHz)

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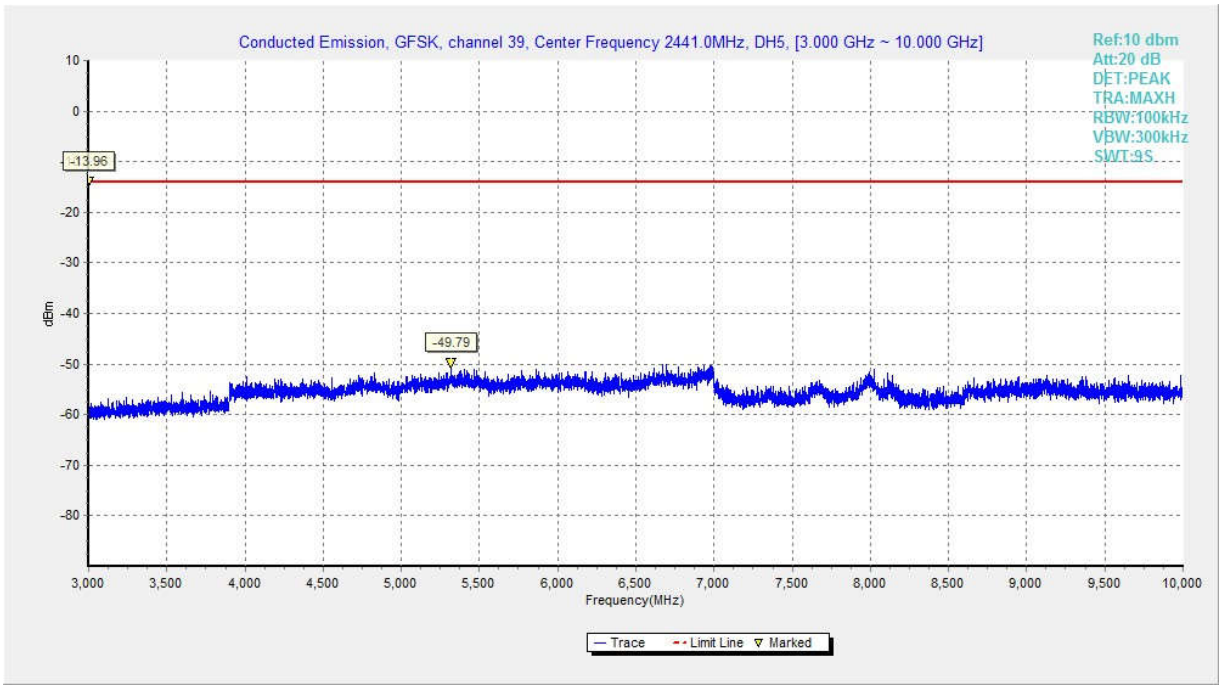

Fig. 27 Conducted Spurious Emission (GFSK, Ch39, 3GHz-10 GHz)

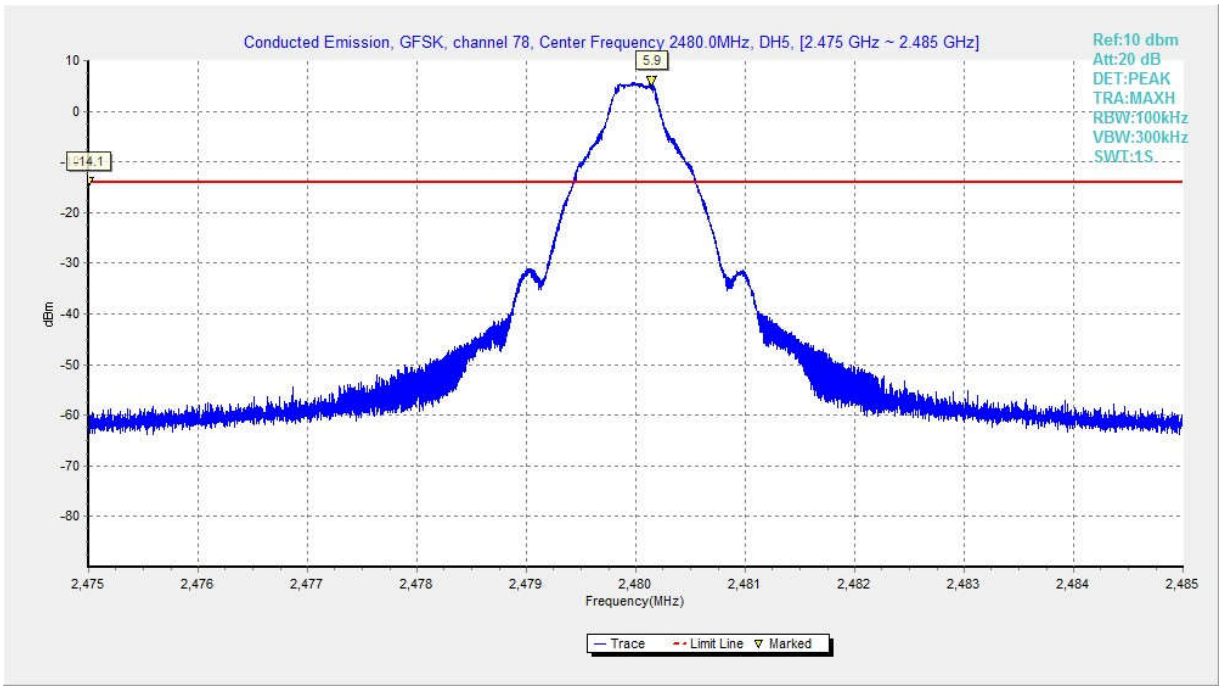

Fig. 28 Conducted Spurious Emission (GFSK, Ch78, 2.480GHz)

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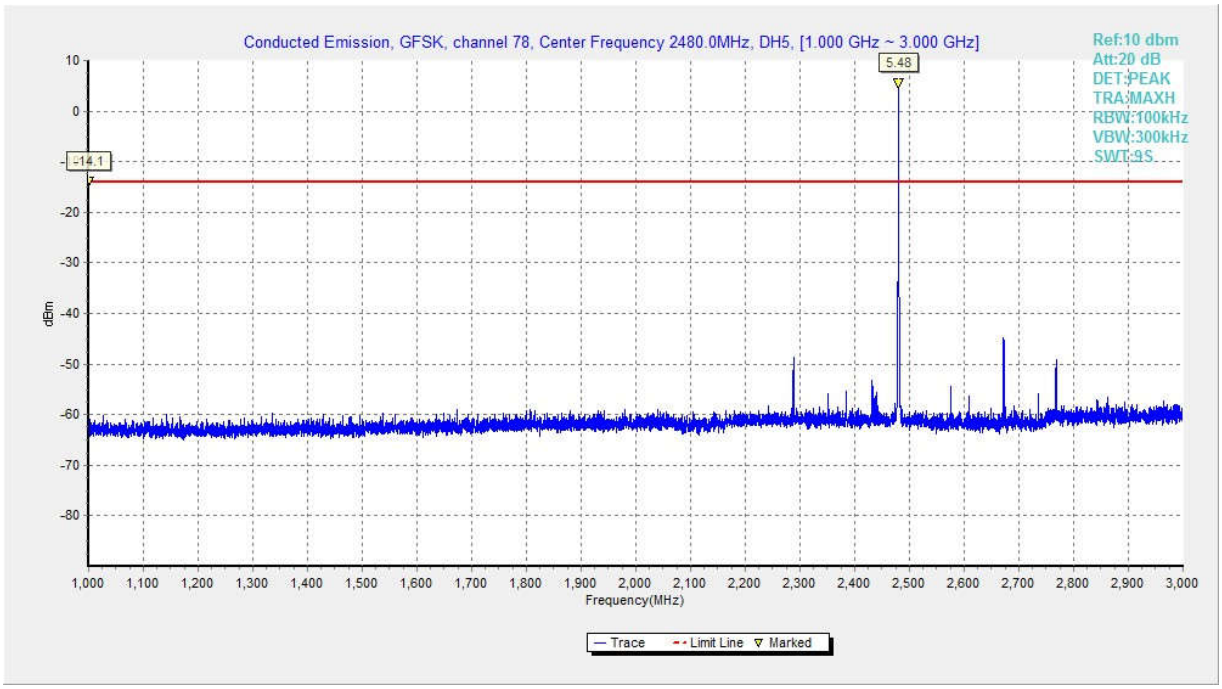

Fig. 29 Conducted Spurious Emission (GFSK, Ch78, 1GHz-3 GHz)

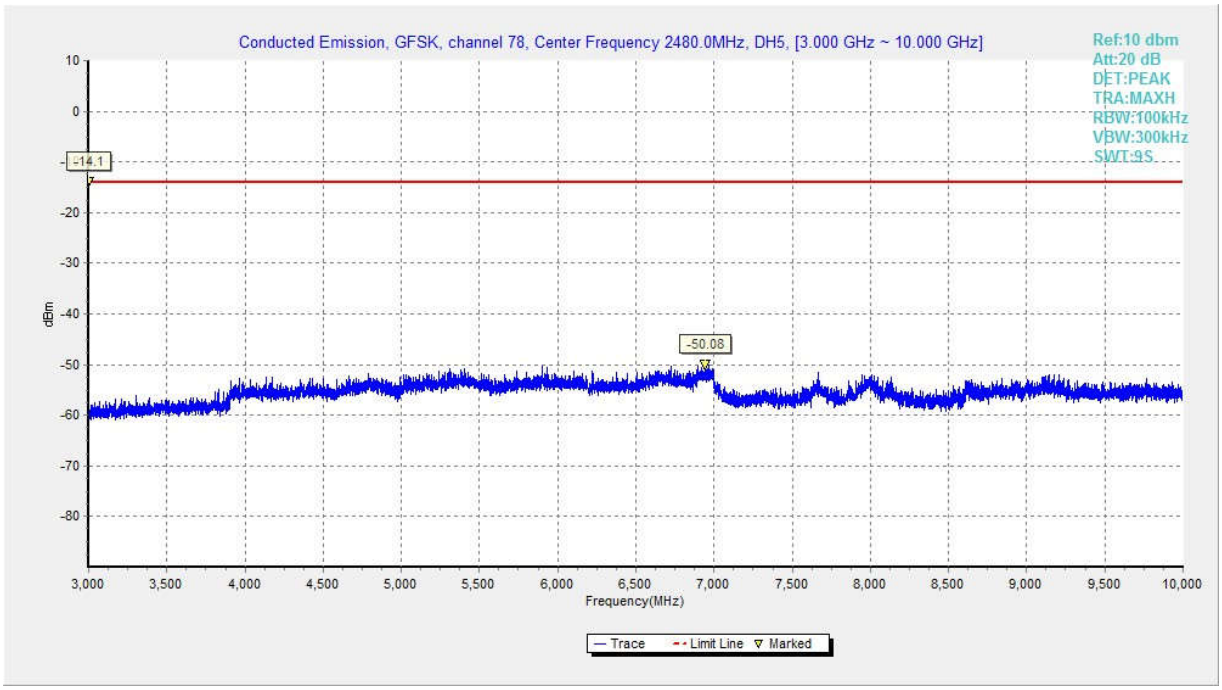

Fig. 30 Conducted Spurious Emission (GFSK, Ch78, 3GHz-10 GHz)

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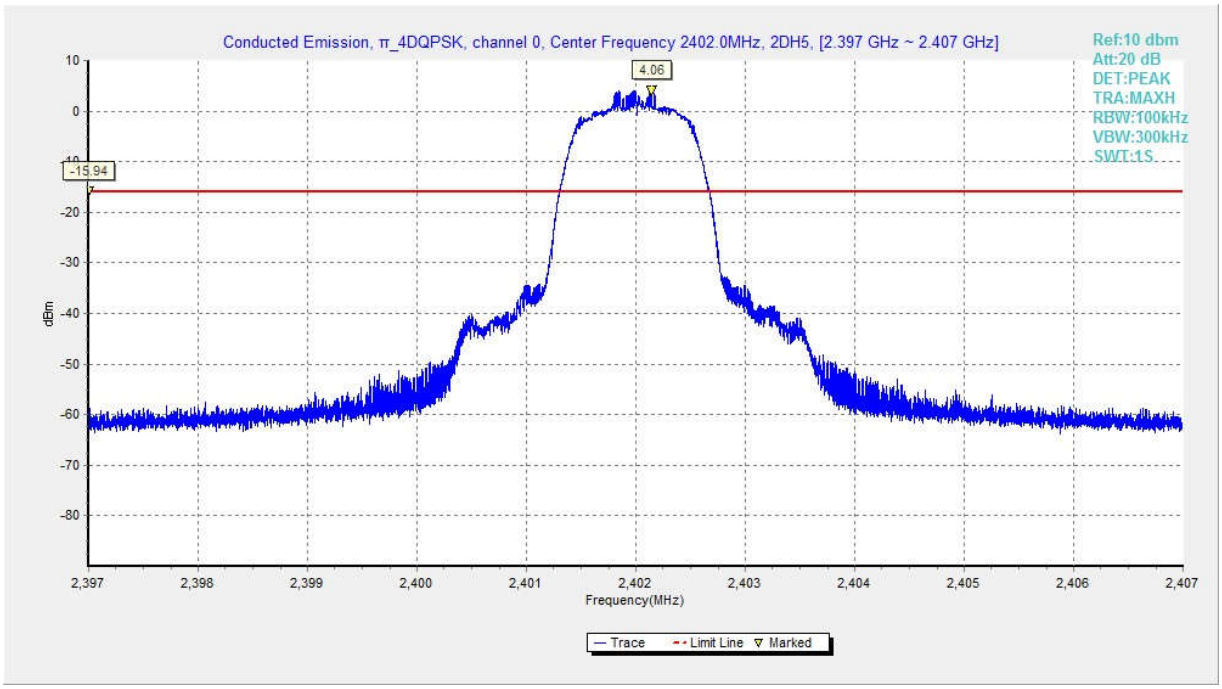

Fig. 31 Conducted Spurious Emission (π /4 DQPSK, Ch0, 2.402GHz)

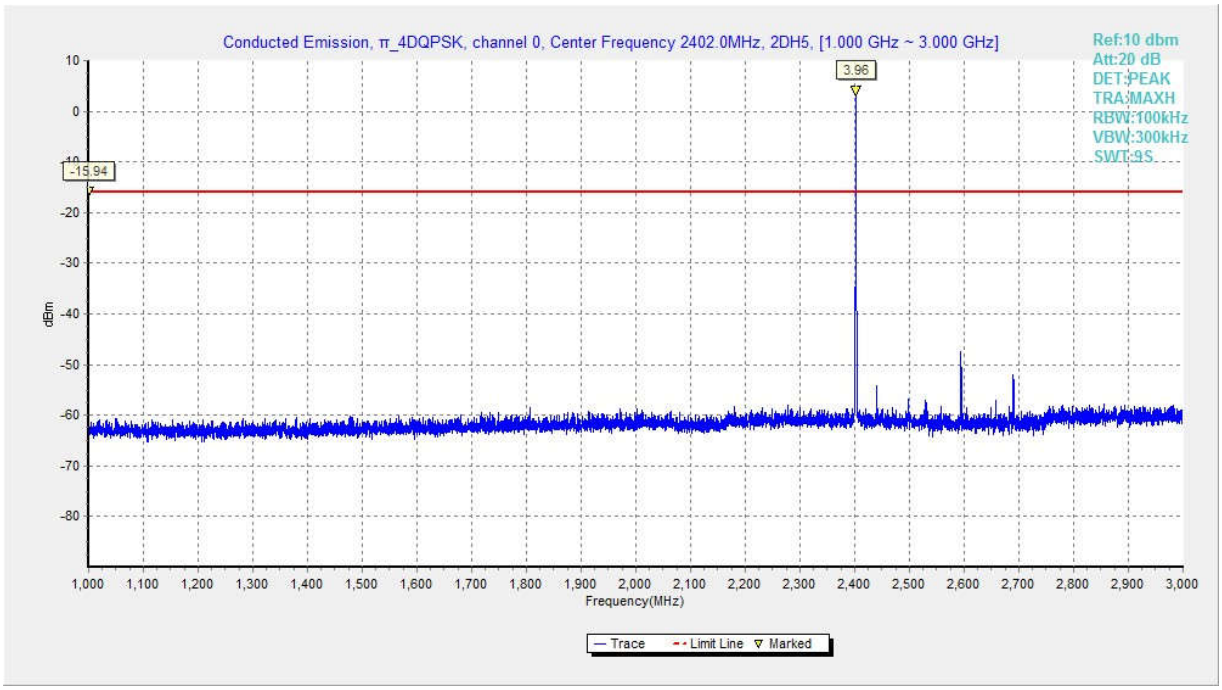

Fig. 32 Conducted Spurious Emission (π /4 DQPSK, Ch0, 1GHz-3 GHz)

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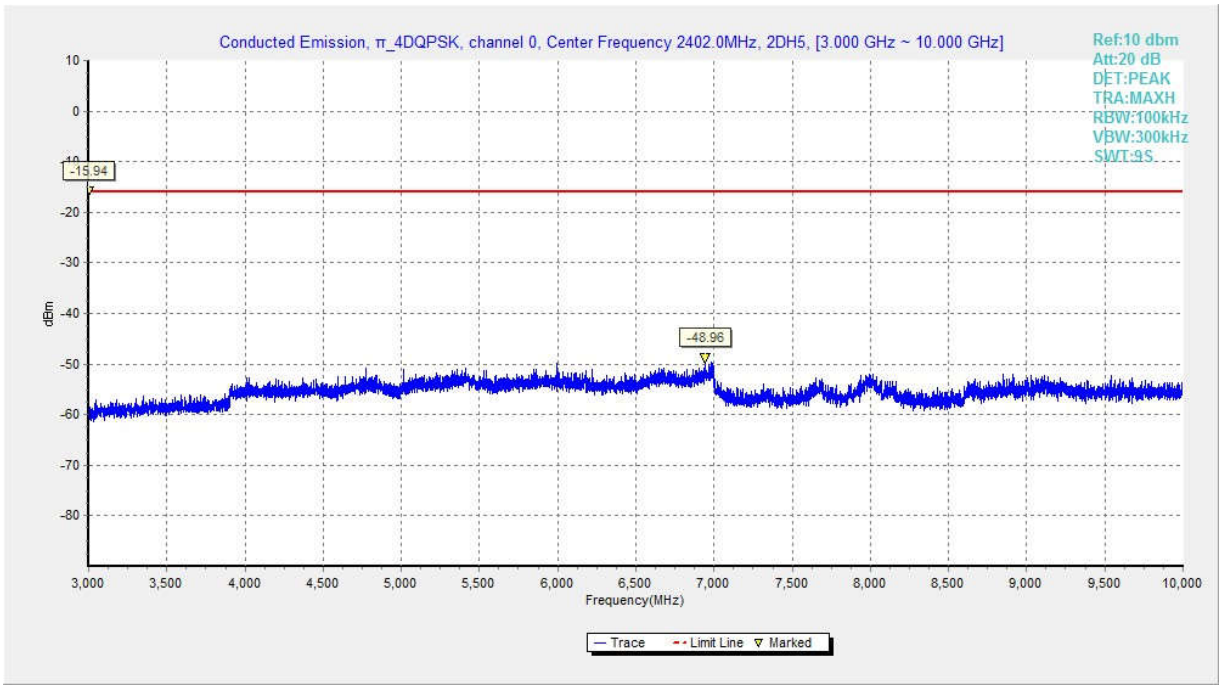

Fig. 33 Conducted Spurious Emission (π /4 DQPSK, Ch0, 3GHz-10 GHz)

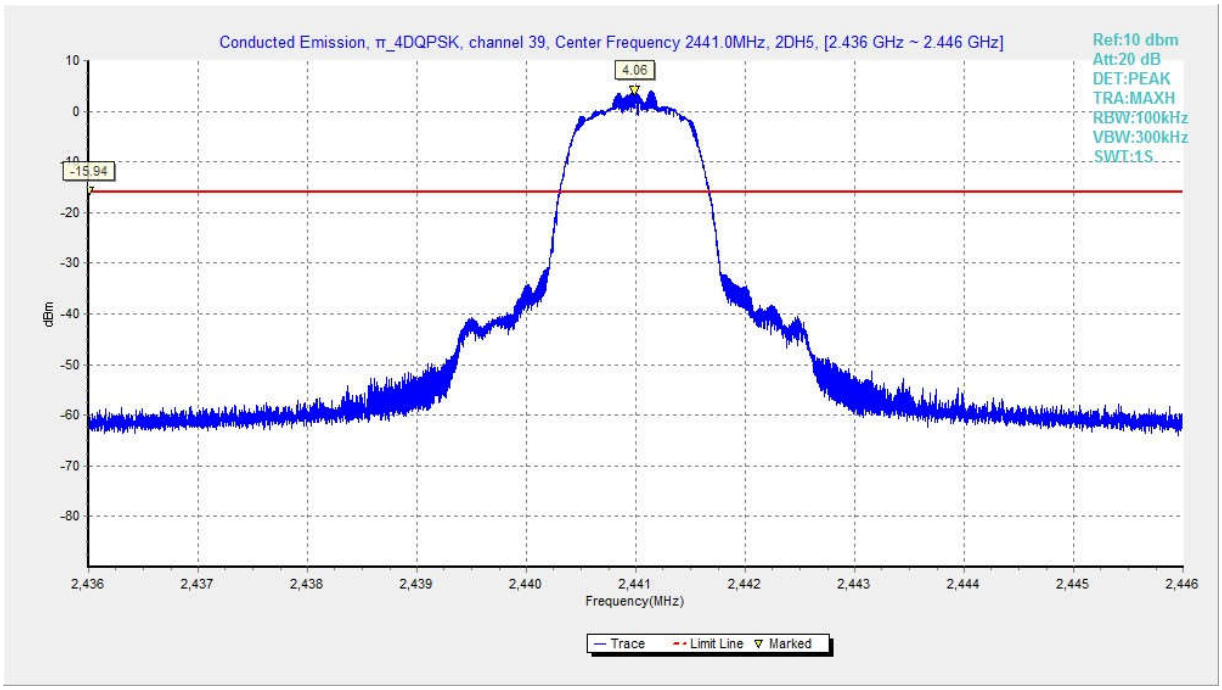

Fig. 34 Conducted Spurious Emission (π /4 DQPSK, Ch39, 2.441GHz)

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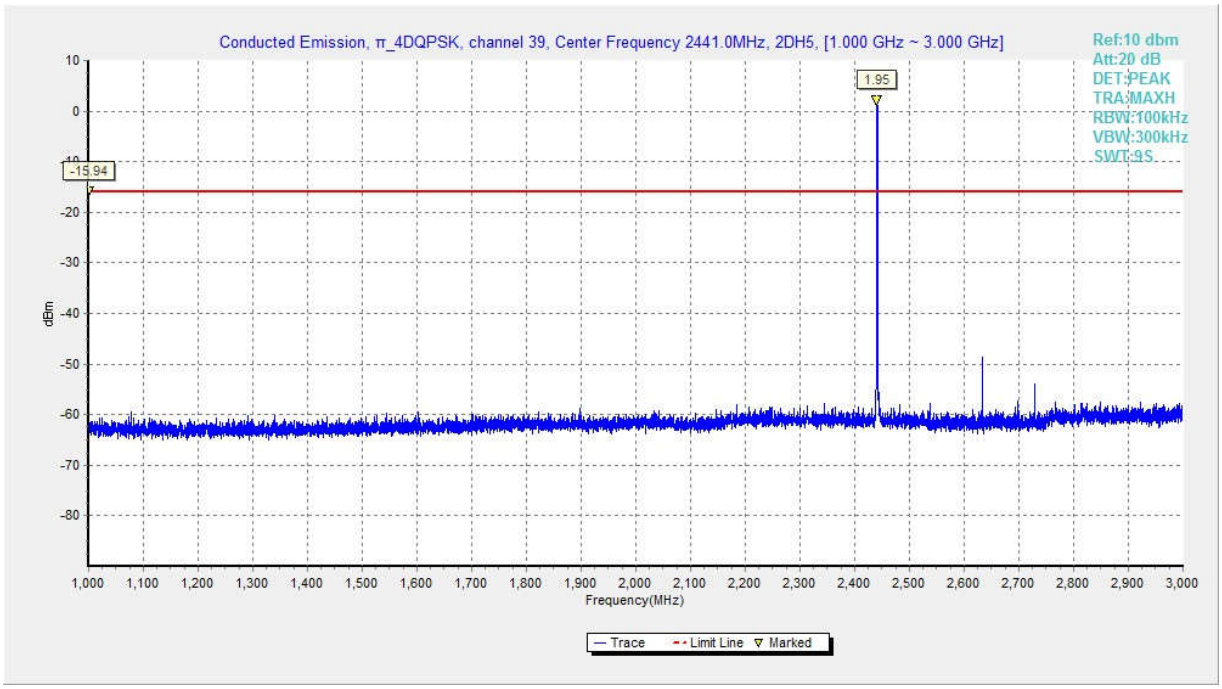

Fig. 35 Conducted Spurious Emission (π /4 DQPSK, Ch39, 1GHz-3 GHz)

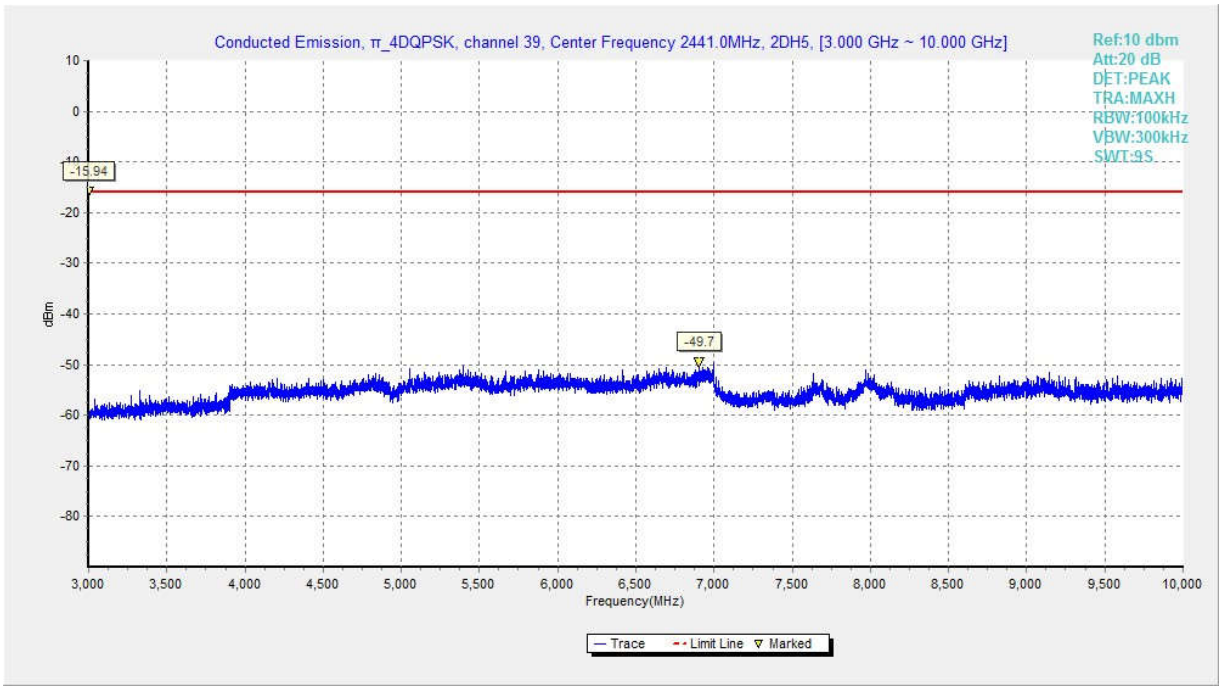

Fig. 36 Conducted Spurious Emission (π /4 DQPSK, Ch39, 3GHz-10 GHz)

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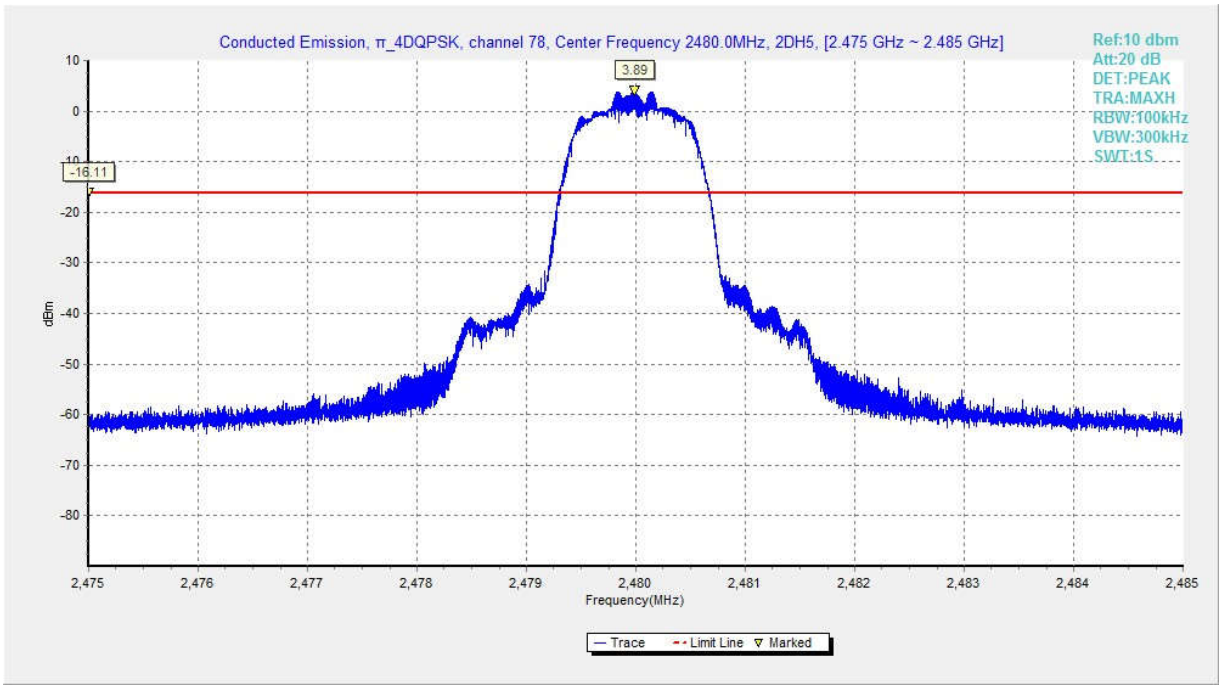

Fig. 37 Conducted Spurious Emission (π /4 DQPSK, Ch78, 2.480GHz)

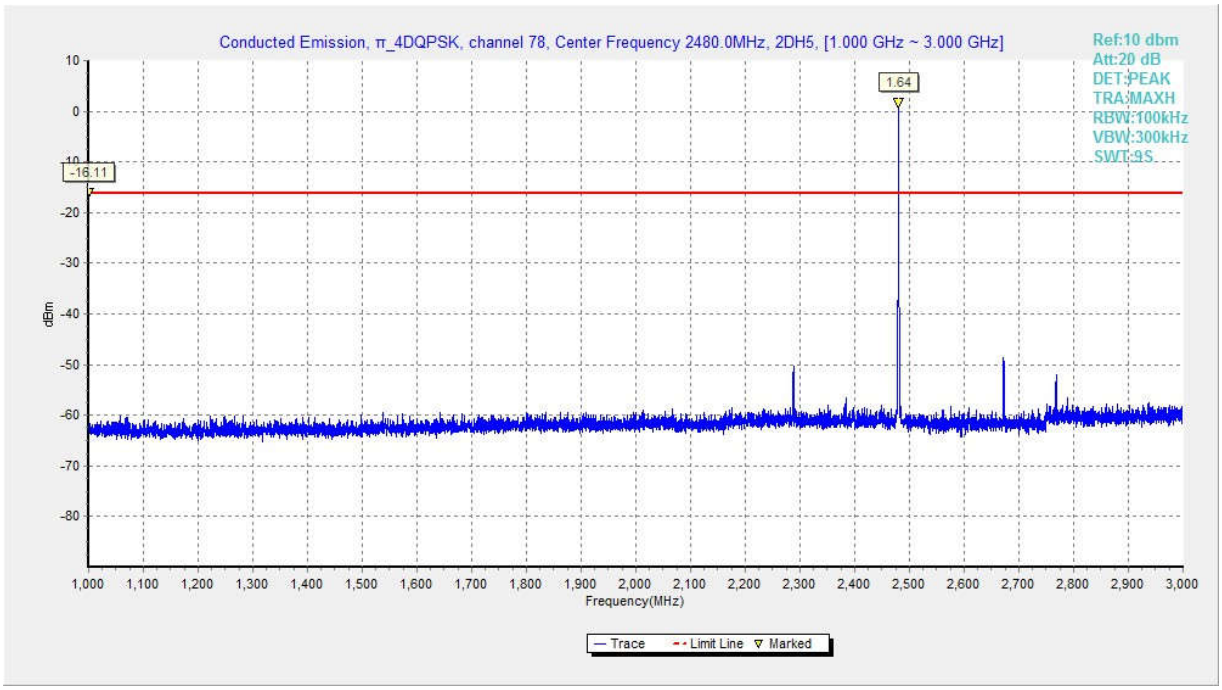

Fig. 38 Conducted Spurious Emission (π /4 DQPSK, Ch78, 1GHz-3 GHz)

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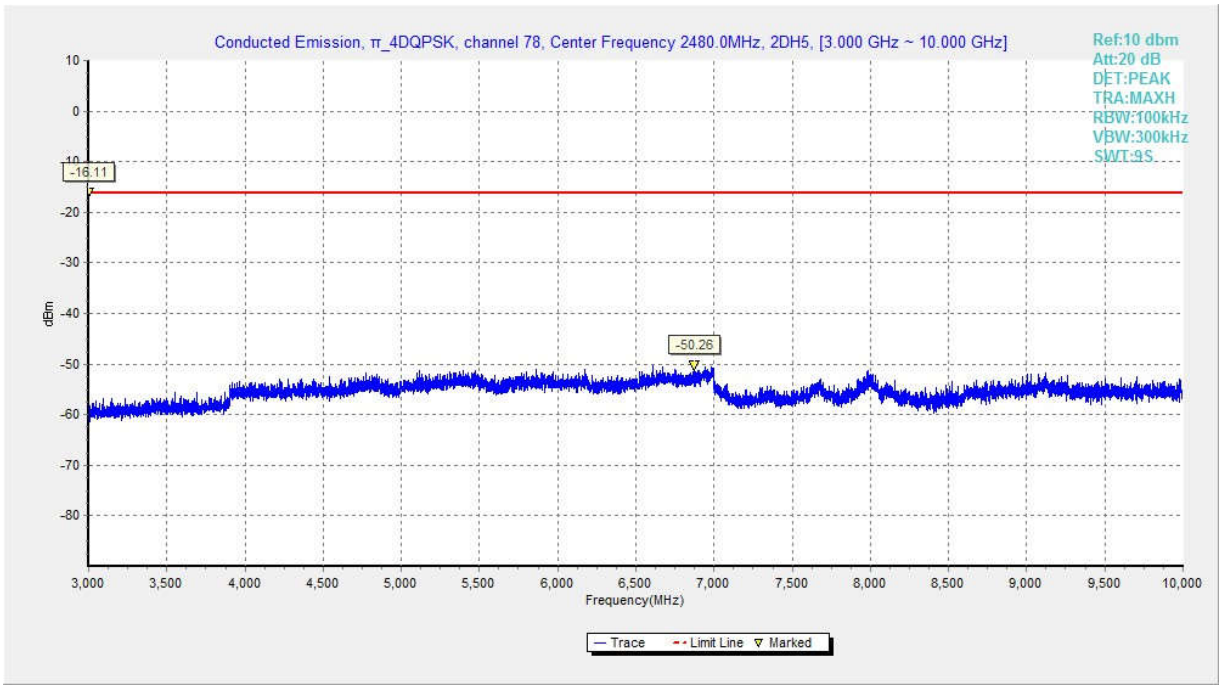

Fig. 39 Conducted Spurious Emission (π /4 DQPSK, Ch78, 3GHz-10 GHz)

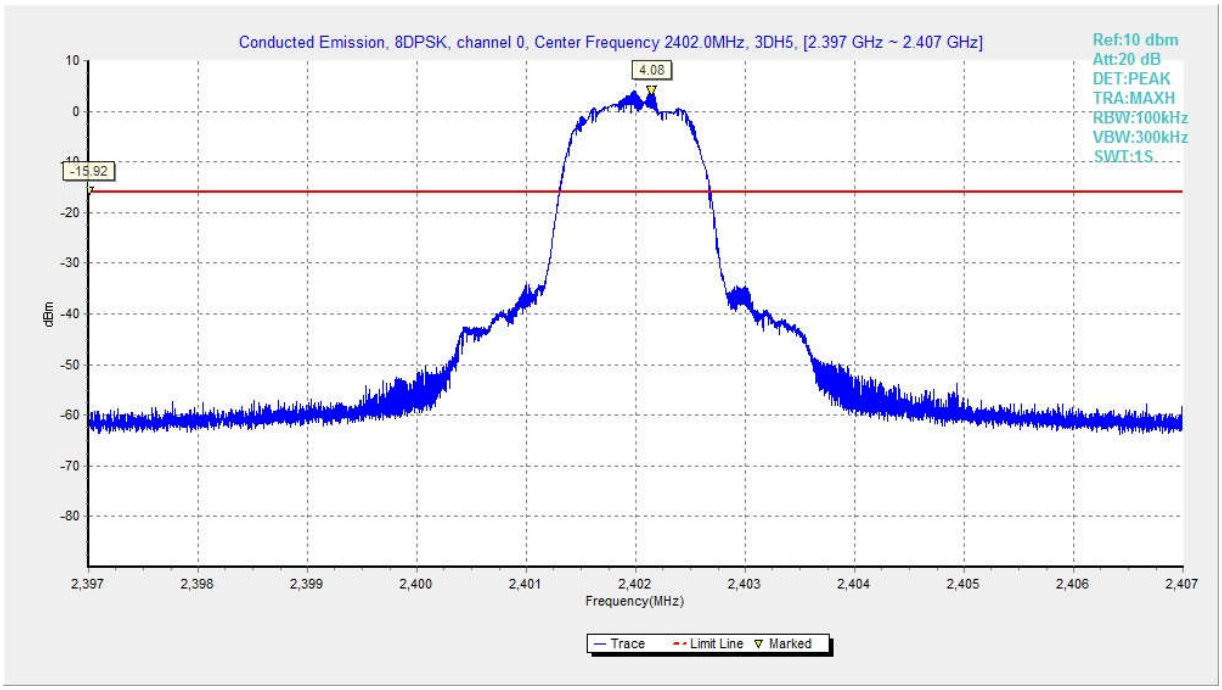

Fig. 40 Conducted Spurious Emission (8DPSK, Ch0, 2.402GHz)

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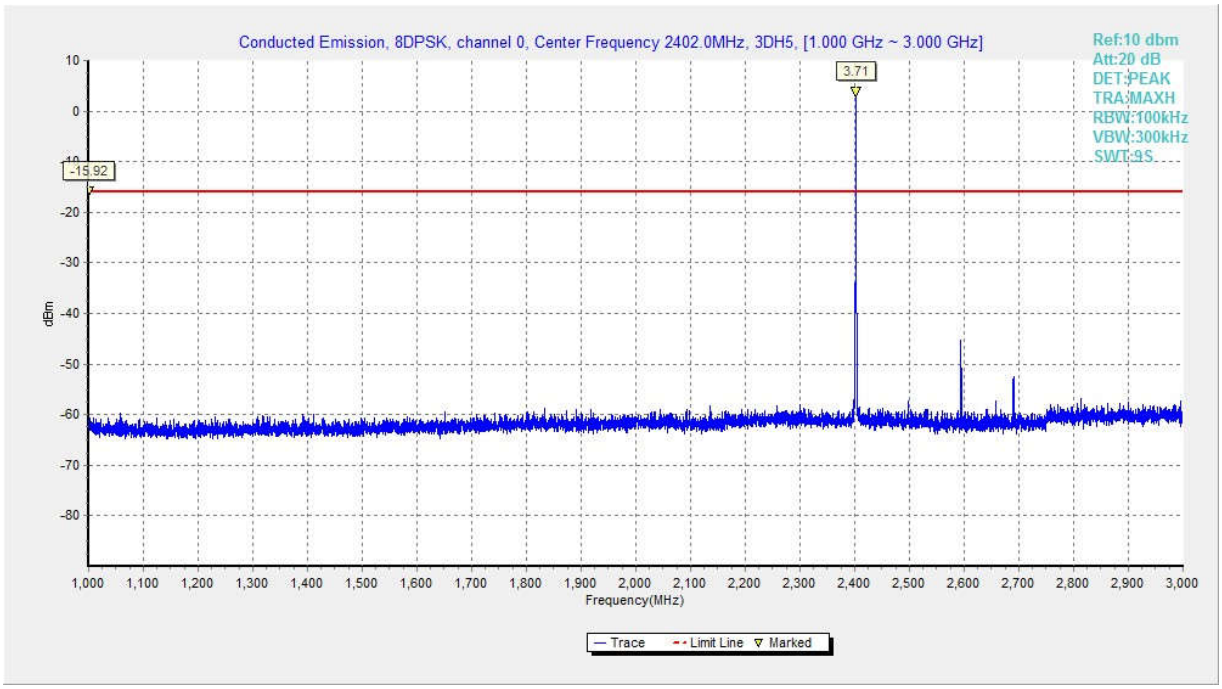

Fig. 41 Conducted Spurious Emission (8DPSK, Ch0, 1GHz-3 GHz)

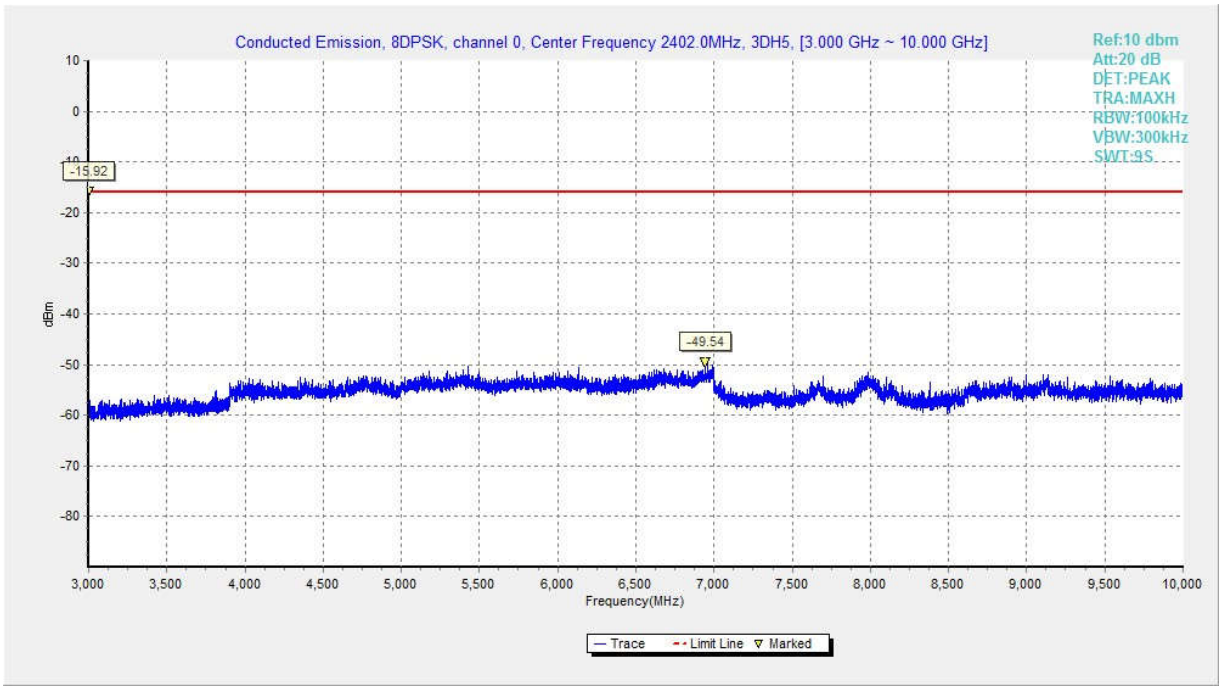

Fig. 42 Conducted Spurious Emission (8DPSK, Ch0, 3GHz-10 GHz)

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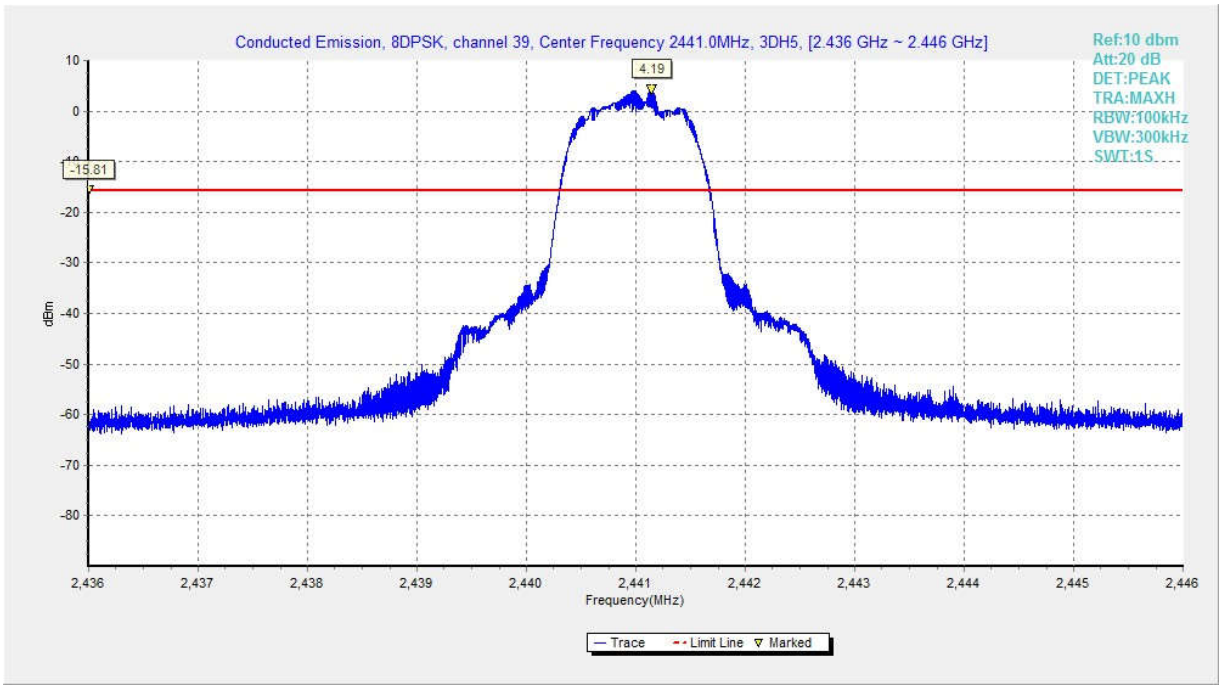

Fig. 43 Conducted Spurious Emission (8DPSK, Ch39, 2.441GHz)

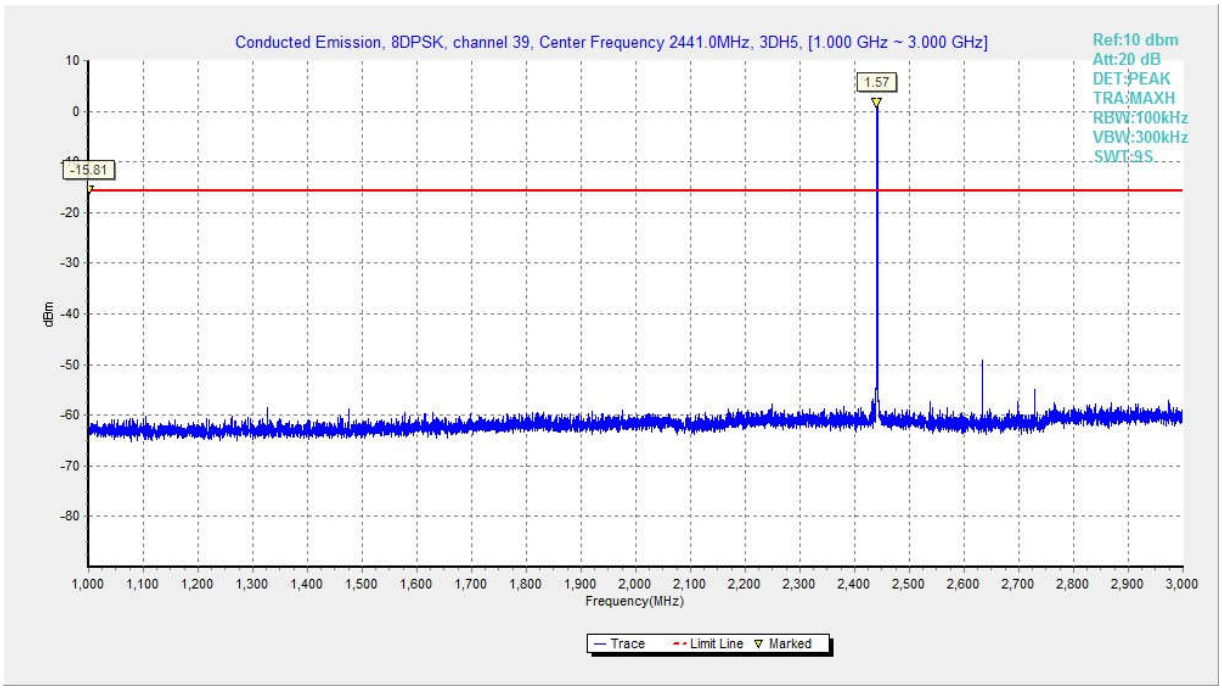

Fig. 44 Conducted Spurious Emission (8DPSK, Ch39, 1GHz-3 GHz)

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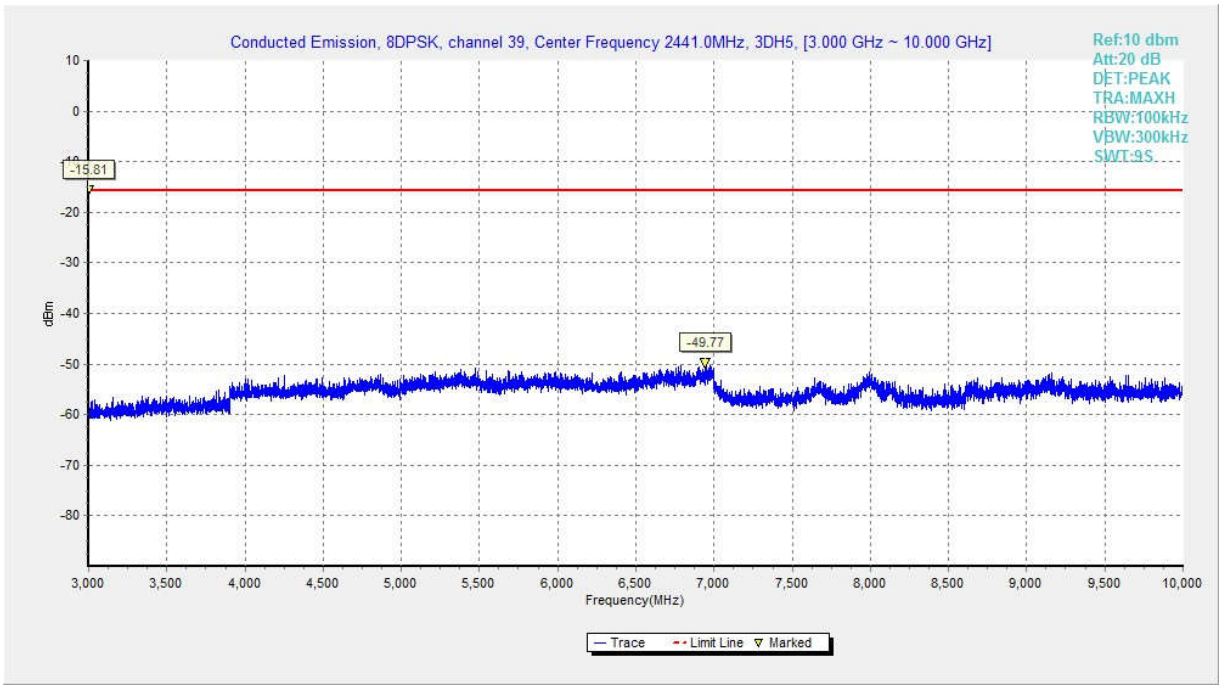

Fig. 45 Conducted Spurious Emission (8DPSK, Ch39, 3GHz-10 GHz)

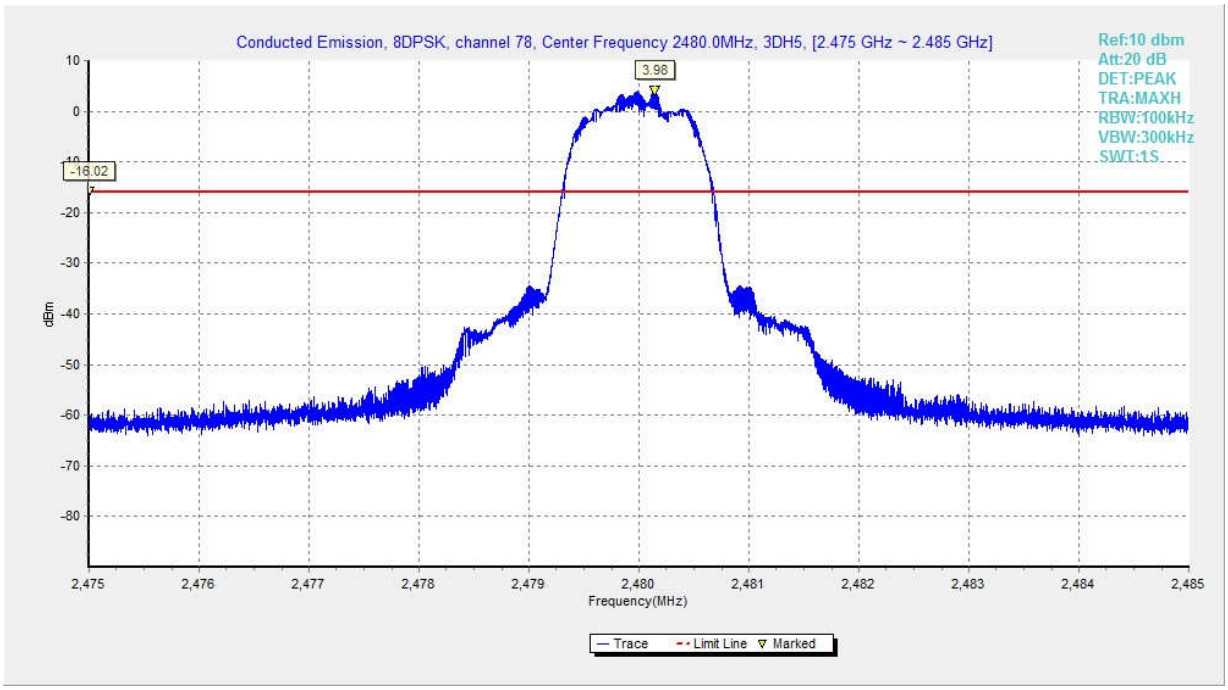

Fig. 46 Conducted Spurious Emission (8DPSK, Ch78, 2.480GHz)

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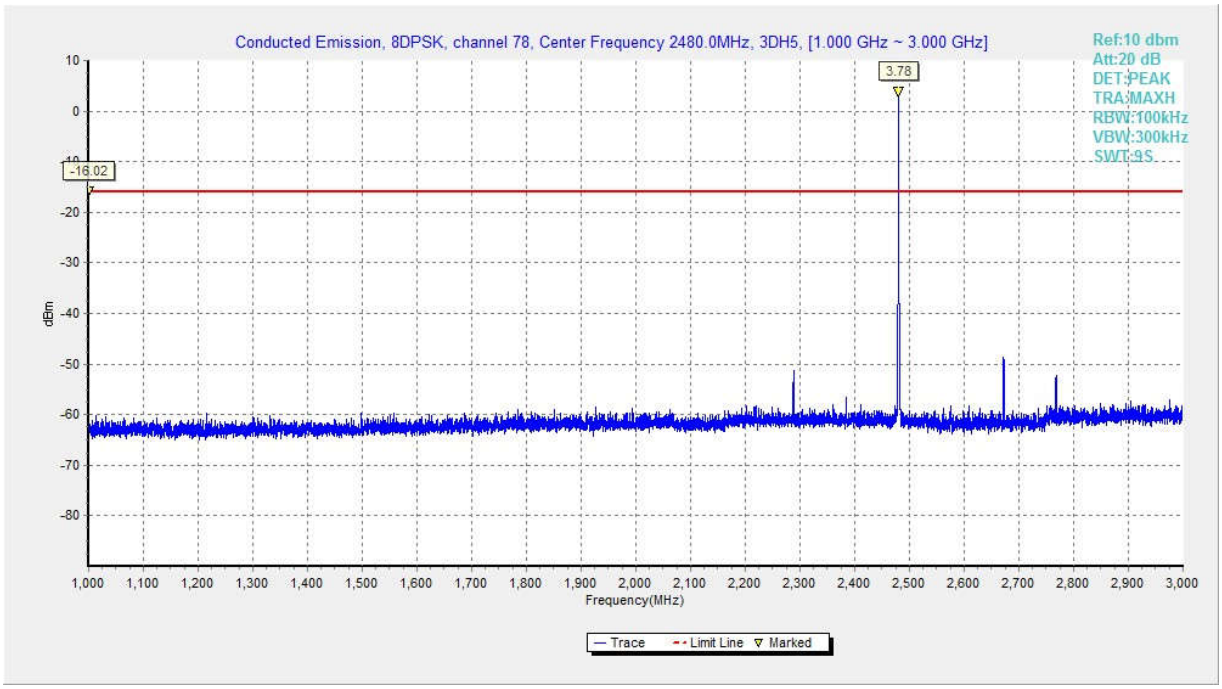

Fig. 47 Conducted Spurious Emission (8DPSK, Ch78, 1GHz-3 GHz)

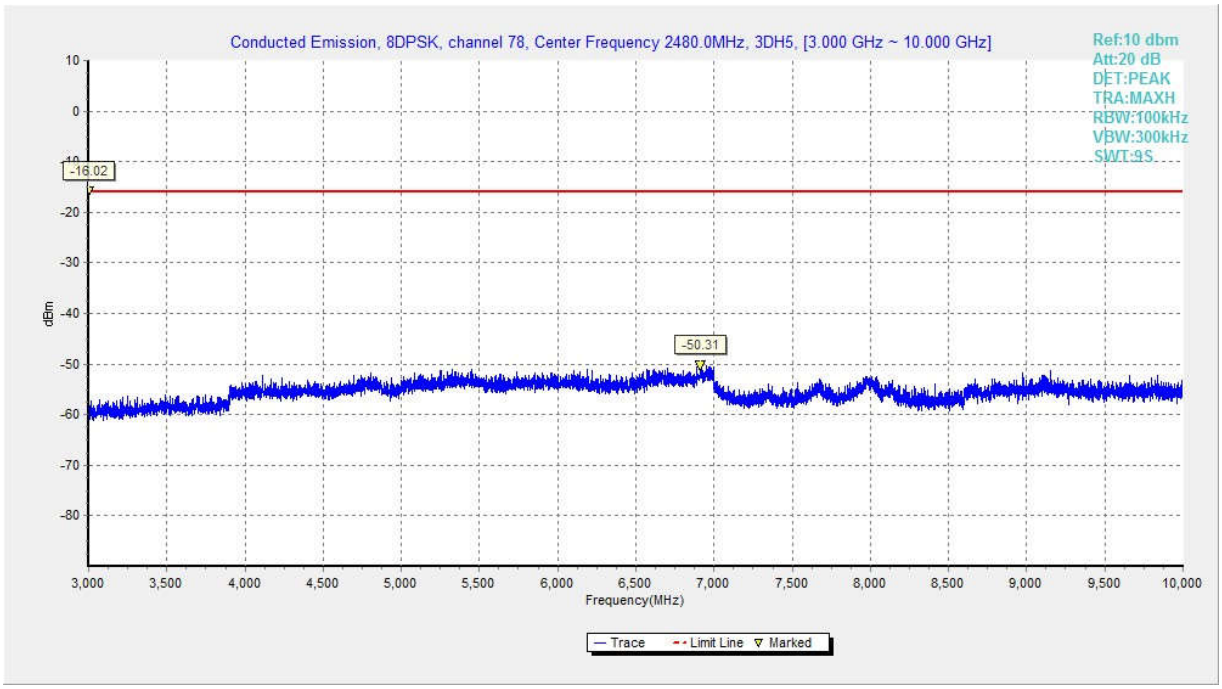

Fig. 48 Conducted Spurious Emission (8DPSK, Ch78, 3GHz-10 GHz)

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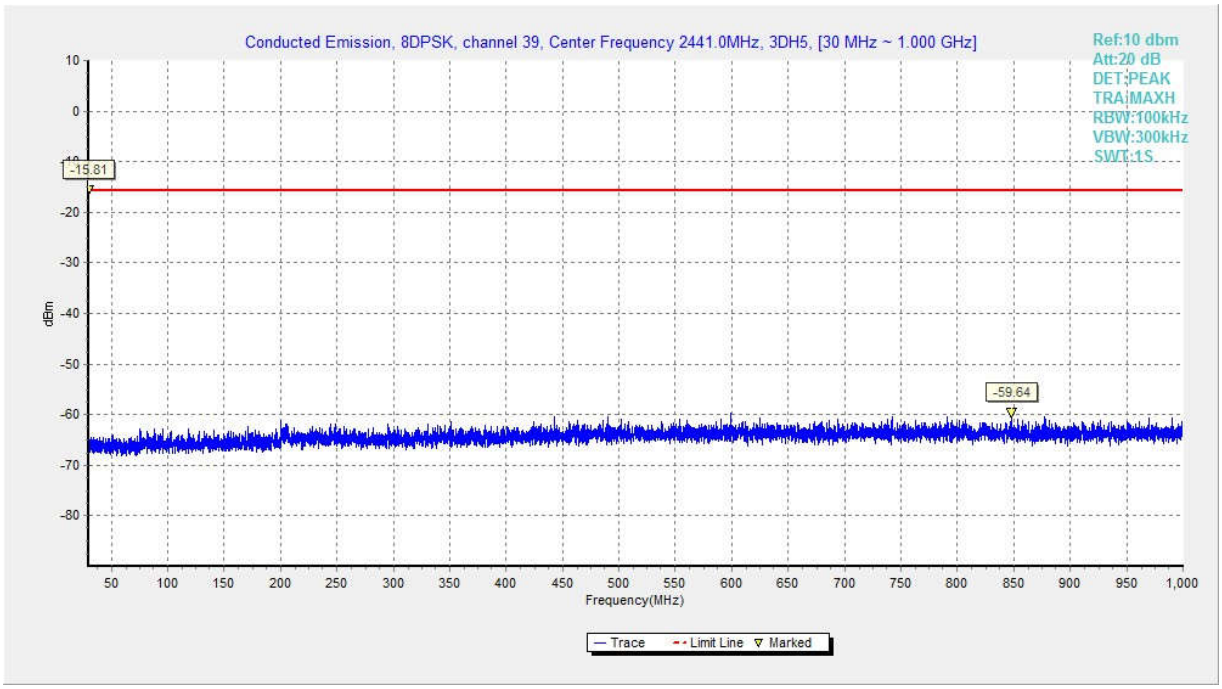

Fig. 49 Conducted Spurious Emission (All channel, 30 MHz-1 GHz)

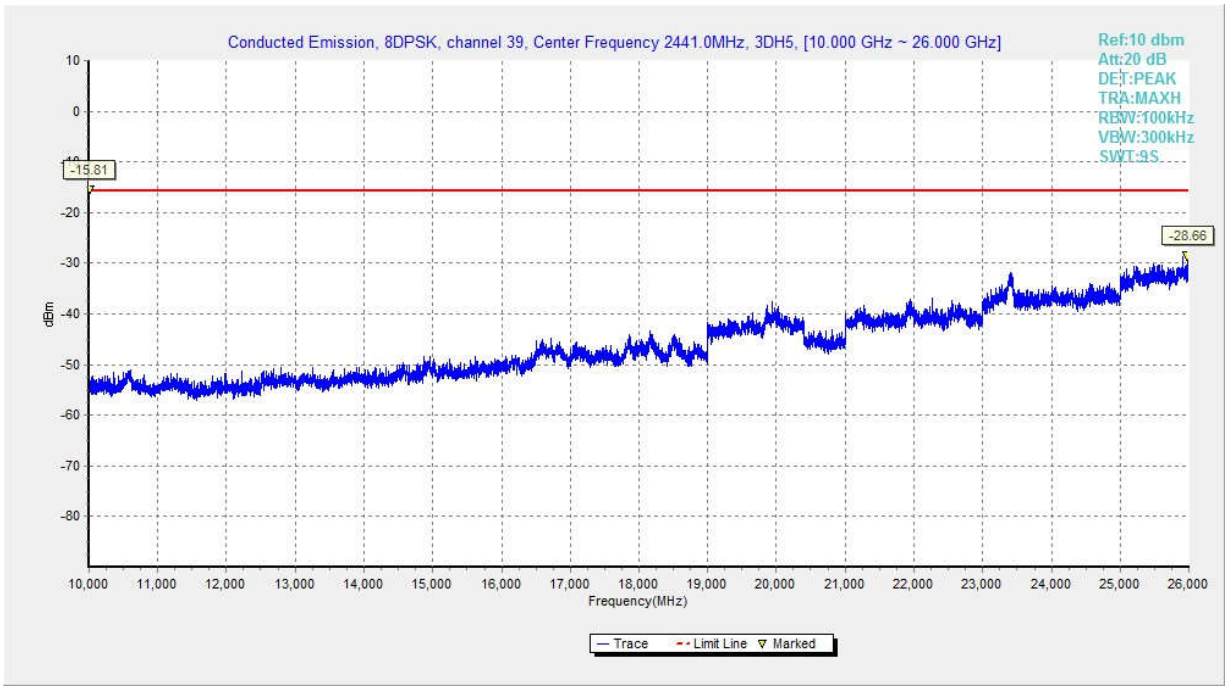

Fig. 50 Conducted Spurious Emission All channel, 10 GHz-26 GHz,)

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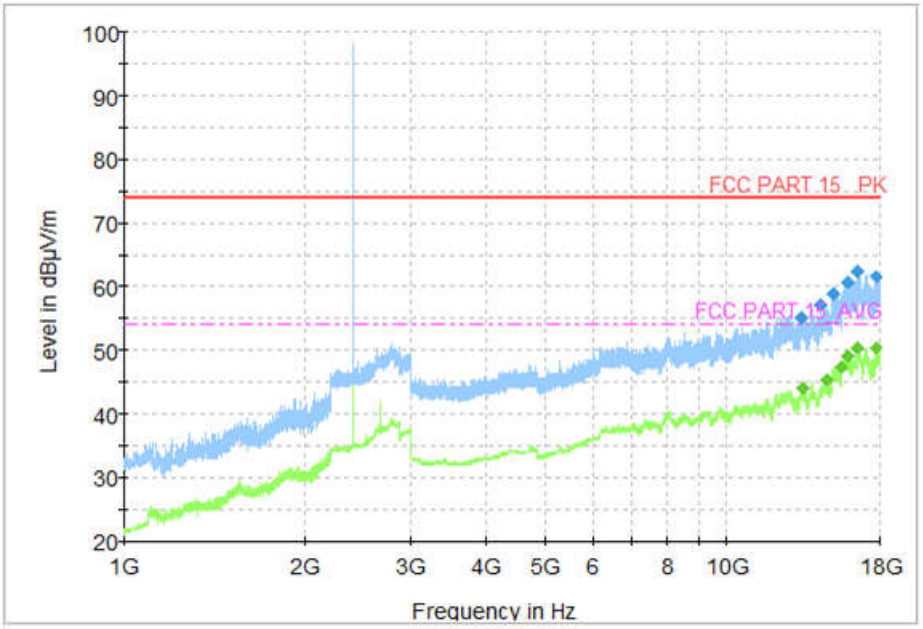

Fig. 51 Radiated Spurious Emission (GFSK, Ch0, 1 GHz ~18 GHz)

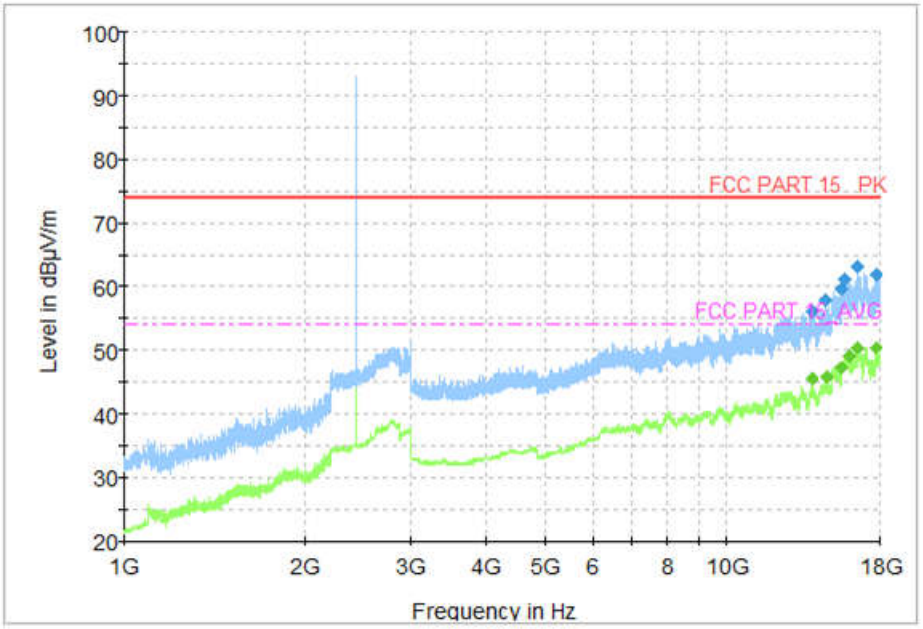

Fig. 52 Radiated Spurious Emission (GFSK, Ch39, 1 GHz ~18 GHz)

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