



Full

TEST REPORT

No. I16D00047-RFB

For

Client : Doro AB

Production : Clamshell phone

Model Name : DFC-0050

FCC ID: WS5DFC0050

Hardware Version: V01A

Software Version: 6520_NF05_S01A_V02_M160222_SMP

Issued date: 2016-05-04

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 ECIT Shanghai.

Test Laboratory:

ECIT Shanghai, East China Institute of Telecommunications

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RF Test Report

Report No.: I16D00047-RFB

Revision Version

Report Number	Revision	Date	Memo
I16D00047-RFB	00	2016-05-04	Initial creation of test report

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1. Test Laboratory

1.1. Testing Location

Company Name:	ECIT Shanghai, East China Institute of Telecommunications
Address:	7-8F, G Area, No. 668, Beijing East Road, Huangpu District, Shanghai, P. R. China
Postal Code:	200001
Telephone:	(+86)-021-63843300
Fax:	(+86)-021-63843301

1.2. Testing Environment

Normal Temperature:	15-35°C
Extreme Temperature:	-10/+55°C
Relative Humidity:	20-75%

1.3. Project data

Project Leader:	Yu Anlu
Testing Start Date:	2016-04-12
Testing End Date:	2016-05-02

1.4. Signature



Wang Changqing
(Prepared this test report)



Liu Jianquan
(Reviewed this test report)



Zheng Zhongbin
Director of the laboratory
(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name: Doro AB
Address: Doro AB Magistratsvägen 10, SE-22643 Lund, Sweden
Telephone: +46 46 280 50 76
Postcode: Sweden 22643

2.2. Manufacturer Information

Company Name: MOBIWIRE MOBILES (NINGBO) CO.,LTD
Address: No.999,Dacheng East Road,Fenghua City,Zhejiang Province,China
Telephone: 0574 88916450
Postcode: 315500

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

3.1. About EUT

EUT Description	Clamshell phone
Model name	DFC-0050
UMTS Frequency Band	WCDMA Band 900/2100
GSM Frequency Band	GSM900/1800/1900
Bluetooth Frequency	2402MHz-2480Mhz
Bluetooth Channel	Channel0-Channel78
Bluetooth Modulation	GMSK; $\pi/4$ DQPSK;8DPSK
Extreme Temperature	-10/+55°C
Nominal Voltage	3.7V
Extreme High Voltage	4.2V
Extreme Low Voltage	3.6V

Note: Photographs of EUT are shown in ANNEX A of this test report.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
N01	356990070003209	V01A	6520_NF05_S01A_V02_ M160222_SMP	2016-04-11

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

3.3. Internal Identification of AE used during the test

AE ID*	Description	SN
AE1	RF cable	---
AE2	---	---

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

4. Reference Documents

4.1. 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, 2400-2483.5MHz, and 5725-5850MHz.	Oct,2009 Edition
ANSI C63.10	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices	2013

5. Summary of Test Results

A brief summary of the tests carried out is shown as following.

Measurement Items	Sub-clause of Part15C	Sub-clause of IC	Verdict
Maximum Peak Output Power	15.247(b)	/	P
Peak Power Spectral Density	15.247(d)	/	NA
20dB Occupied Bandwidth	15.247(a)	/	P
Band Edges Compliance	15.247(b)	/	P
Transmitter Spurious Emission-Conducted	15.247	/	P
Transmitter Spurious Emission-Radiated	15.247,15.209,	/	P
AC Powerline Conducted Emission	15.107,15.207	/	P

Please refer to part 5 for detail.

The measurements are according to and ANSI C63.10.

Terms used in Verdict column

P	Pass, the EUT complies with the essential requirements in the standard.
NP	Not Perform, the test was not performed by ECIT.
NA	Not Applicable, the test was not applicable.
F	Fail, the EUT does not comply with the essential requirements in the standard.

Test Conditions

Tnom	Normal Temperature
Tmin	Low Temperature
Tmax	High Temperature
Vnom	Normal Voltage
Vmin	Low Voltage
Vmax	High Voltage
Hnom	Norm Humidity
Anom	Norm Air Pressure

For this report, all the test case listed above are tested under Normal Temperature and Normal Voltage, and also under norm humidity, the specific conditions as following:

Temperature	Tnom	22°C
Voltage	Vnom	3.8V
Humidity	Hnom	32%
Air Pressure	Anom	1010hPa

Note:

- a. All the test data for each data were verified, but only the worst case was reported.
- b. The GFSK, $\pi/4$ DQPSK and 8DPSK were set in DH1 for GFSK, 2-DH1 for $\pi/4$ DQPSK, 3-DH1 for 8DPSK.
- c. The DC and low frequency voltages' measurement uncertainty is $\pm 2\%$.

5.1. Notes

All reported tests were carried out on a sample equipment to demonstrate limited compliance with section 3.

The test results of this test report relate exclusively to the item(s) tested as specified in section 5.

The following deviation from, additions to, or exclusions from the test specifications have been made. See section 3.

5.2. Statements

The product name DFC-0050, supporting GSM/GPRSWCDMA/HSDPA/HSUPA/BT manufactured by MOBIWIRE MOBILES (NINGBO) CO.,LTD, is a new product for testing.

ECIT has verified that the compliance of the tested device specified in section 5 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 5 of this test report.

6. Test result

6.1. Peak Output Power-Conducted

6.1.1 Measurement Limit

Standard	Limit (dBm)
FCC Part 15.247(b)(1)	< 30

6.1.2 Test Condition:

Hopping Mode	RBW	VBW	Span	Sweeptime
Hopping OFF	3MHz	10MHz	9MHz	Auto

6.1.3 Test procedure

The measurement is according to ANSI C63.10 clause 7.8.5.

1. The output power of EUT was connected to the spectrum analyzer and CBT32 by cable and divide. The path loss was compensated to the results for each measurement.
2. Enable EUT transmitter maximum power continuously.
3. Measure the conducted output power and record the results it.

6.1.4 Measurement Results:

For GFSK

Channel	Ch0 2402 MHz	Ch39 2441 MHz	CH78 2480 MHz	Conclusion
Peak Conducted Output Power (dBm)	-0.036	0.665	2.314	P
	Fig.1	Fig.2	Fig.3	

For $\pi/4$ DQPSK

Channel	Ch0 2402 MHz	Ch39 2441 MHz	CH78 2480 MHz	Conclusion
Peak Conducted Output Power (dBm)	-1.021	-0.319	1.352	P
	Fig.4	Fig.5	Fig.6	

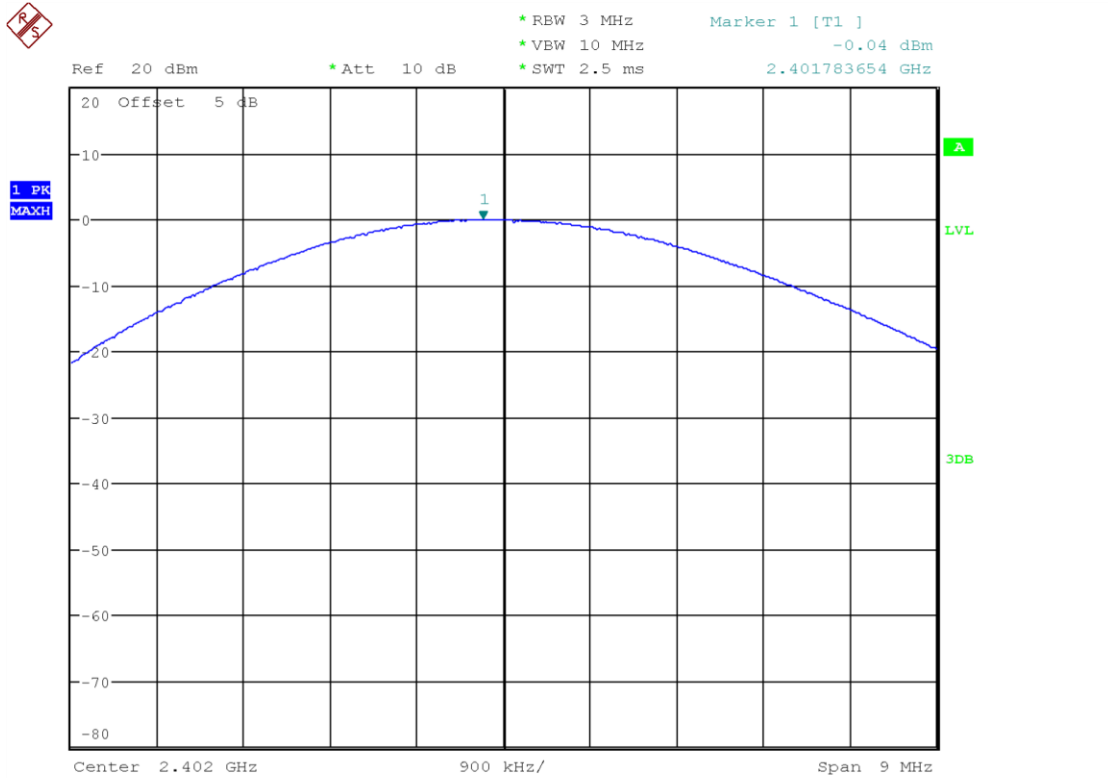
For 8DPSK

Channel	Ch0 2402 MHz	Ch39 2441 MHz	CH78 2480 MHz	Conclusion
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Peak Conducted Output Power (dBm)	-1.051	-0.334	1.345	P
	Fig.7	Fig.8	Fig.9	

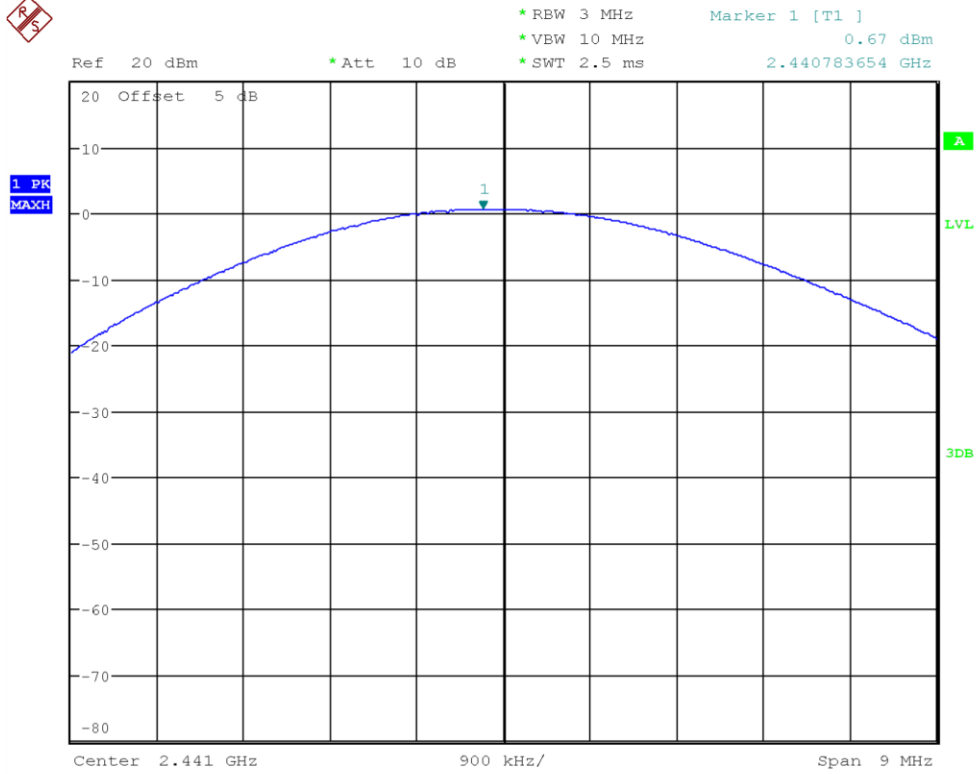
Conclusion: PASS

Test graphs an below



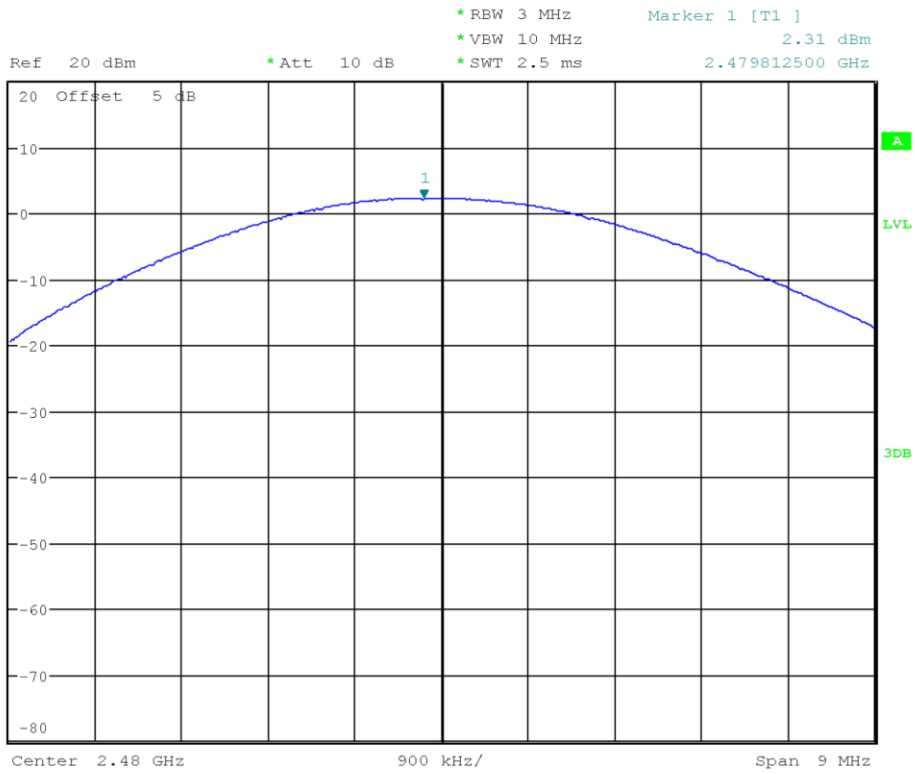
Date: 9.APR.2016 10:39:04

Fig.1 Peak Conducted Output Power CH0, DH1



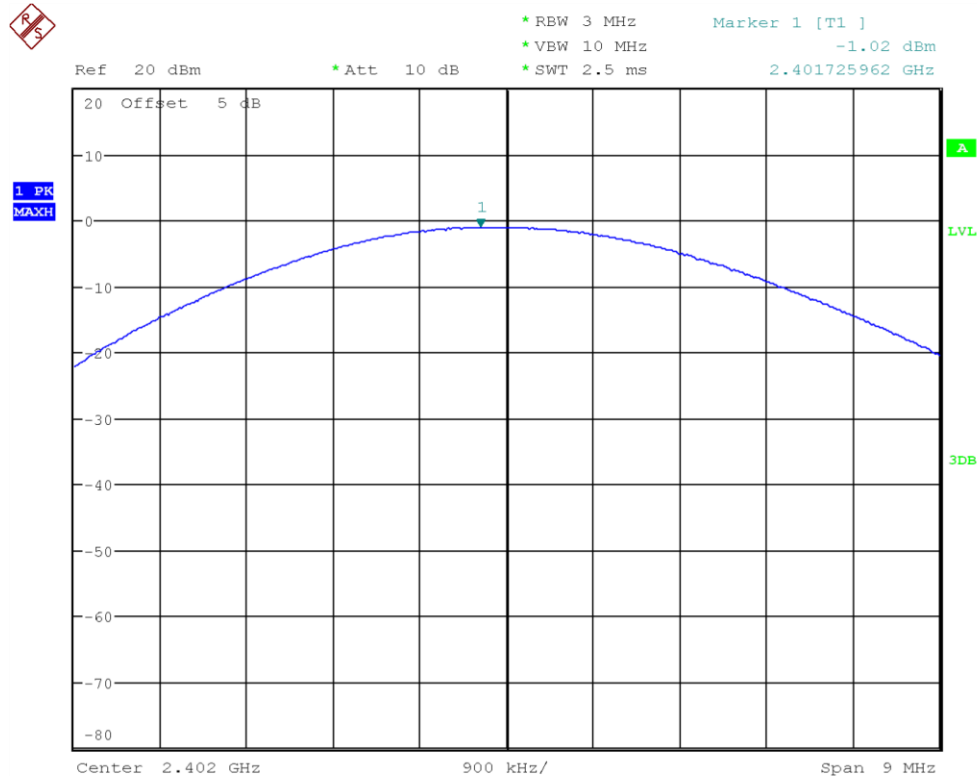
Date: 9.APR.2016 10:39:17

Fig.2 Peak Conducted Output Power CH39, DH1



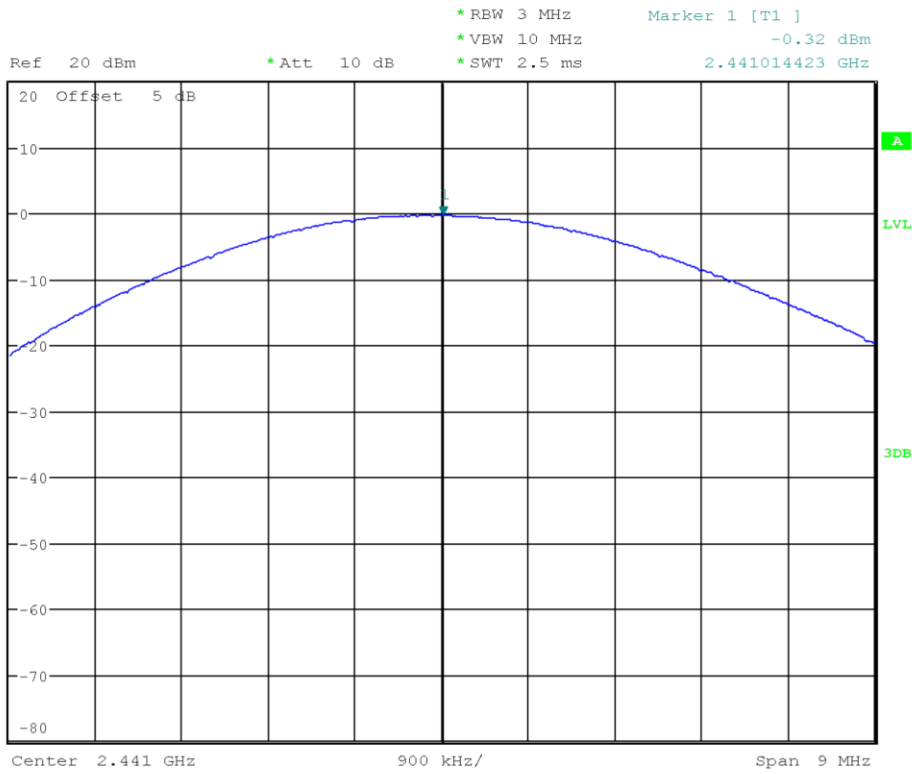
Date: 9.APR.2016 10:39:29

Fig.3 Peak Conducted Output Power CH78, DH1



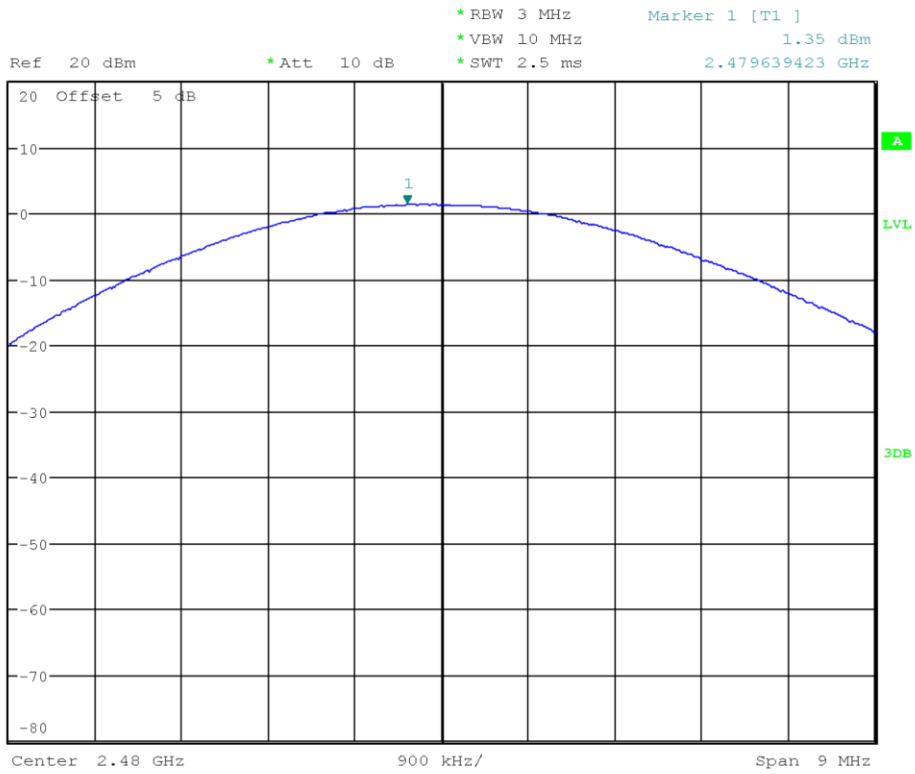
Date: 9.APR.2016 10:39:41

Fig.4 Peak Conducted Output Power CH0, 2DH1



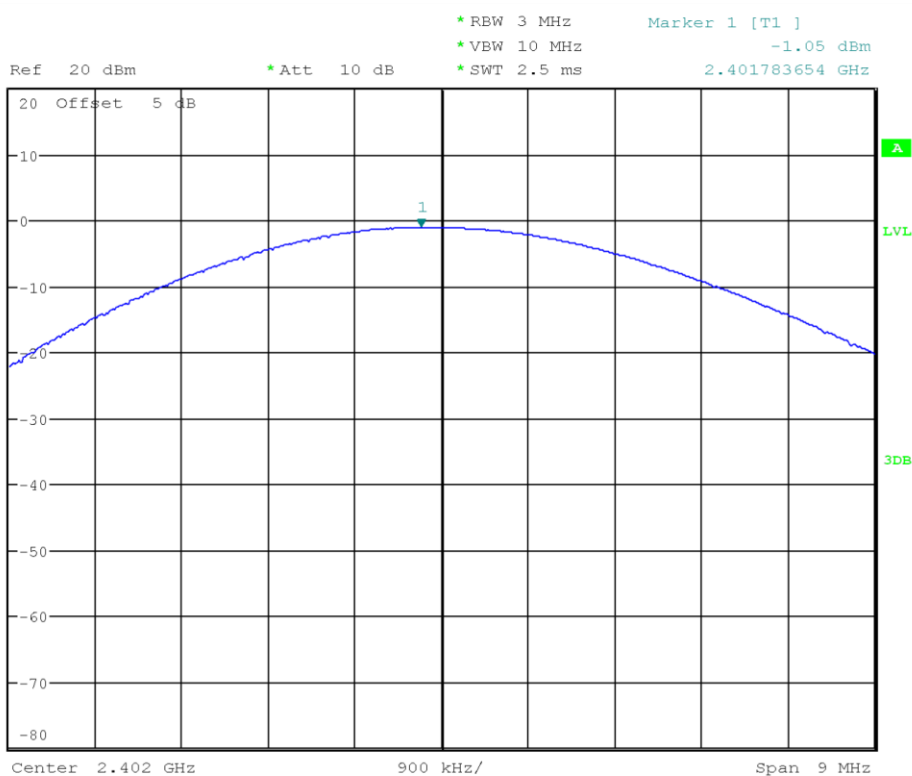
Date: 9.APR.2016 10:39:54

Fig.5 Peak Conducted Output Power CH39, 2DH1



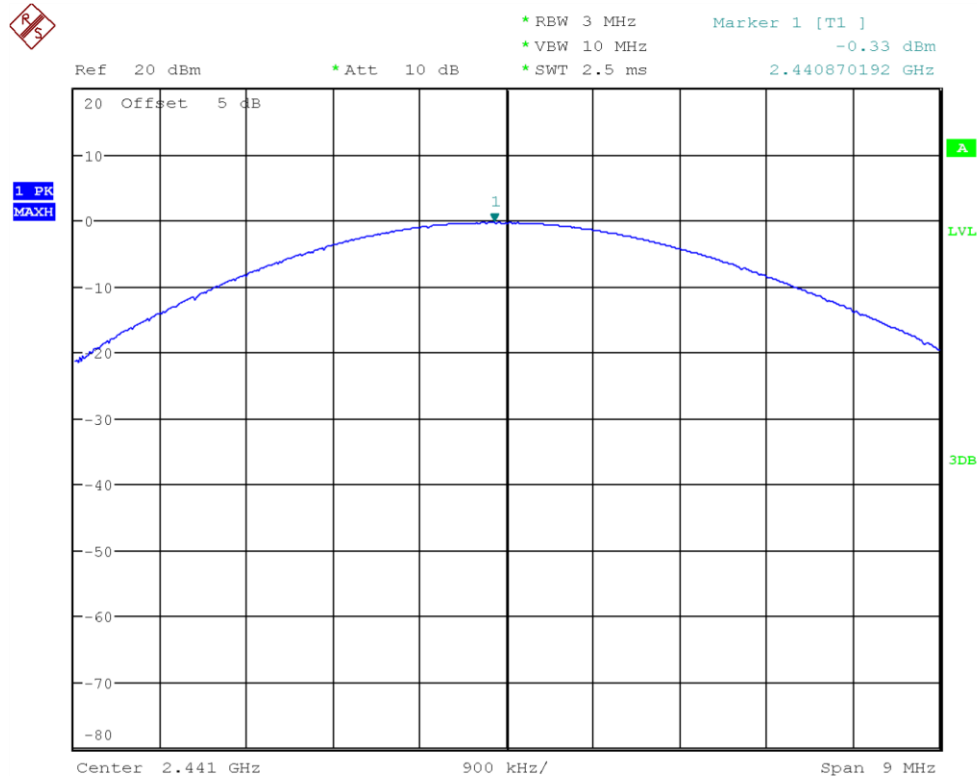
Date: 9.APR.2016 10:40:06

Fig.6 Peak Conducted Output Power CH78, 2DH1



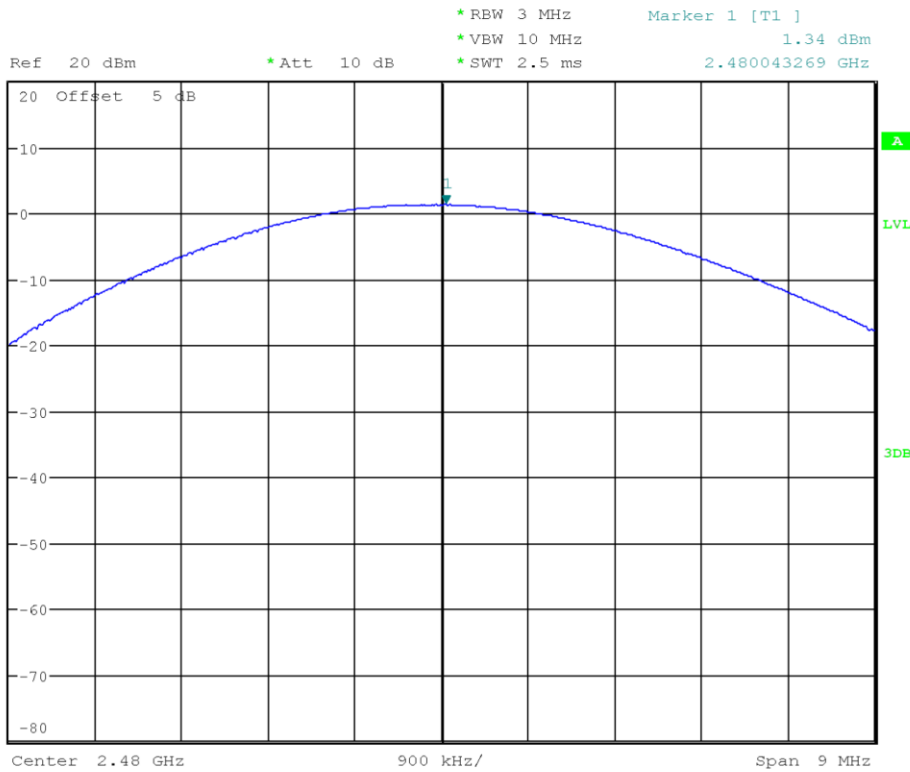
Date: 9.APR.2016 10:40:18

Fig.7 Peak Conducted Output Power CH0, 3DH1



Date: 9.APR.2016 10:40:30

Fig.8 Peak Conducted Output Power CH39, 3DH1



Date: 9.APR.2016 10:40:43

Fig.9 Peak Conducted Output Power CH78, 3DH1

6.2. Frequency Band Edges-Conducted

6.2.1 Measurement Limit:

Standard	Limited(dBc)
FCC 47 CFR Part 15.247(d)	>20

6.2.2 Test procedure

The measurement is according to ANSI C63.10 clause 7.8.6.

1. Connect the EUT to spectrum analyzer.
2. Set RBW=100KHz, VBW=300KHz, span more than 1.5 times channel bandwidth (2MHz).
3. Detector =peak, sweep time=auto couple, trace mode=max hold.
4. Allow sweep to continue until the trace stabilizes.

6.2.3 Measurement results

For GFSK

Channel	Hopping	Band Edge Power (dBc)	Conclusion
0	Hopping OFF	Fig.10	P
	Hopping ON	Fig.11	P
78	Hopping OFF	Fig.12	P
	Hopping ON	Fig.13	P

For $\pi/4$ DQPSK

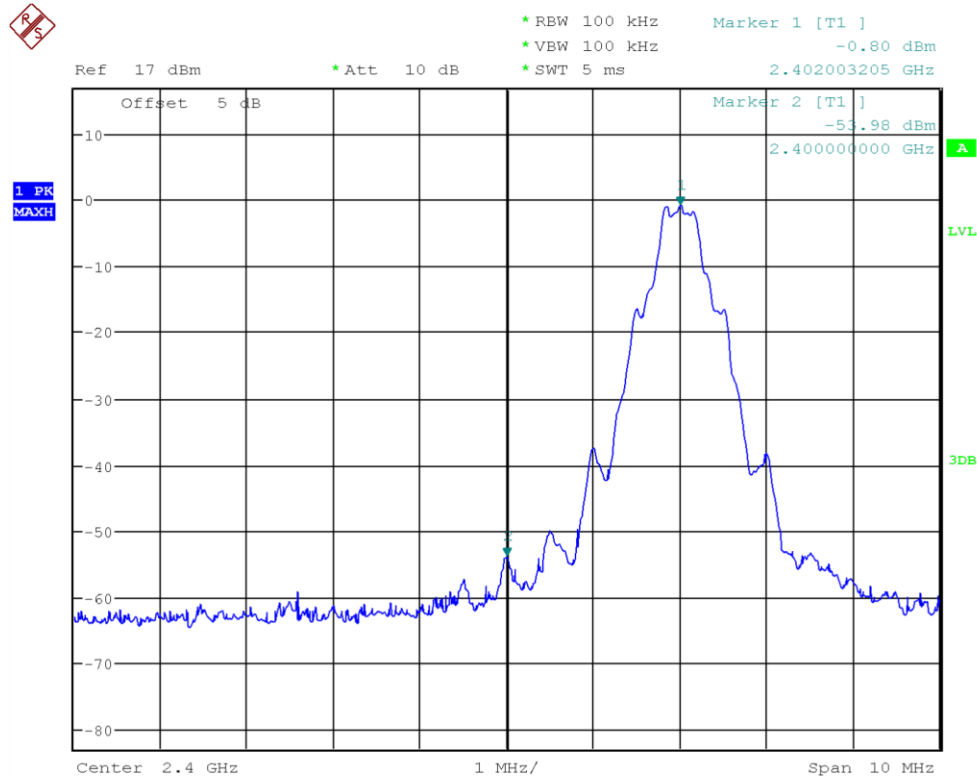
Channel	Hopping	Band Edge Power (dBc)	Conclusion
0	Hopping OFF	Fig.14	P
	Hopping ON	Fig.15	P
78	Hopping OFF	Fig.16	P
	Hopping ON	Fig.17	P

For 8DPSK

Channel	Hopping	Band Edge Power (dBc)	Conclusion
0	Hopping OFF	Fig.18	P
	Hopping ON	Fig.19	P
78	Hopping OFF	Fig.20	P
	Hopping ON	Fig.21	P

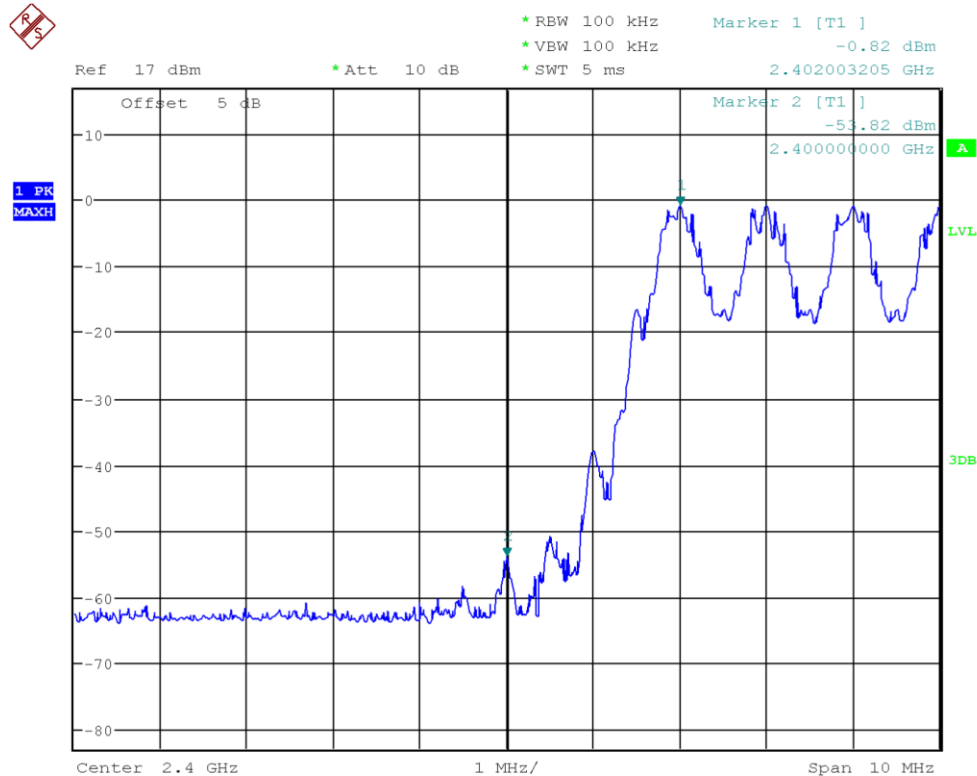
Conclusion: PASS

Test graphs an below



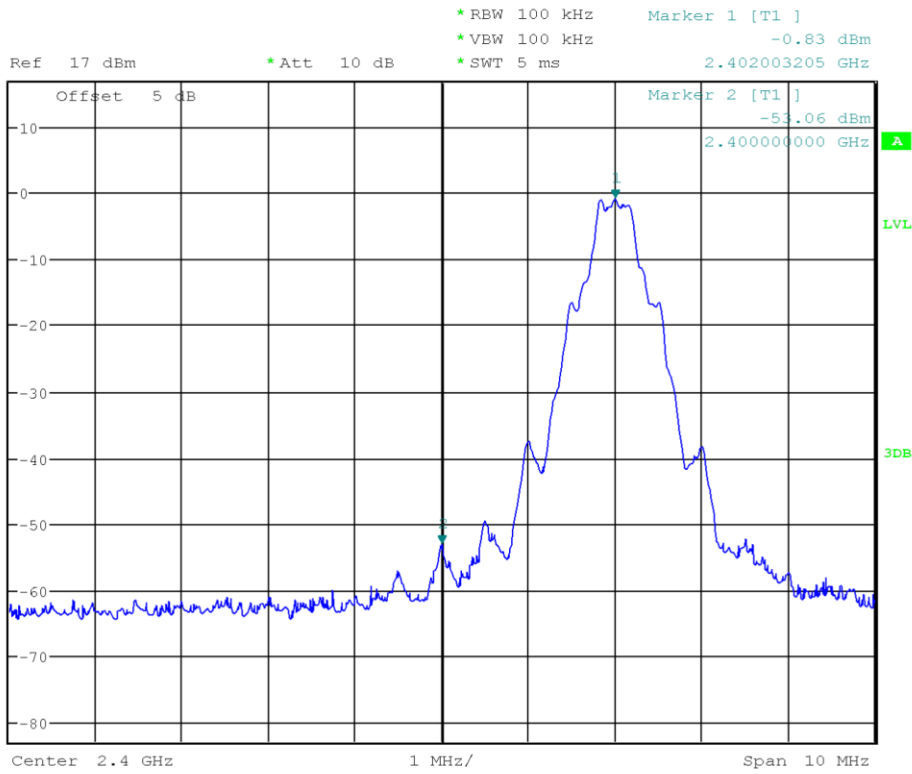
Date: 9.APR.2016 10:41:53

Fig.10 Frequency Band Edge: GFSK, Ch0, Hopping OFF



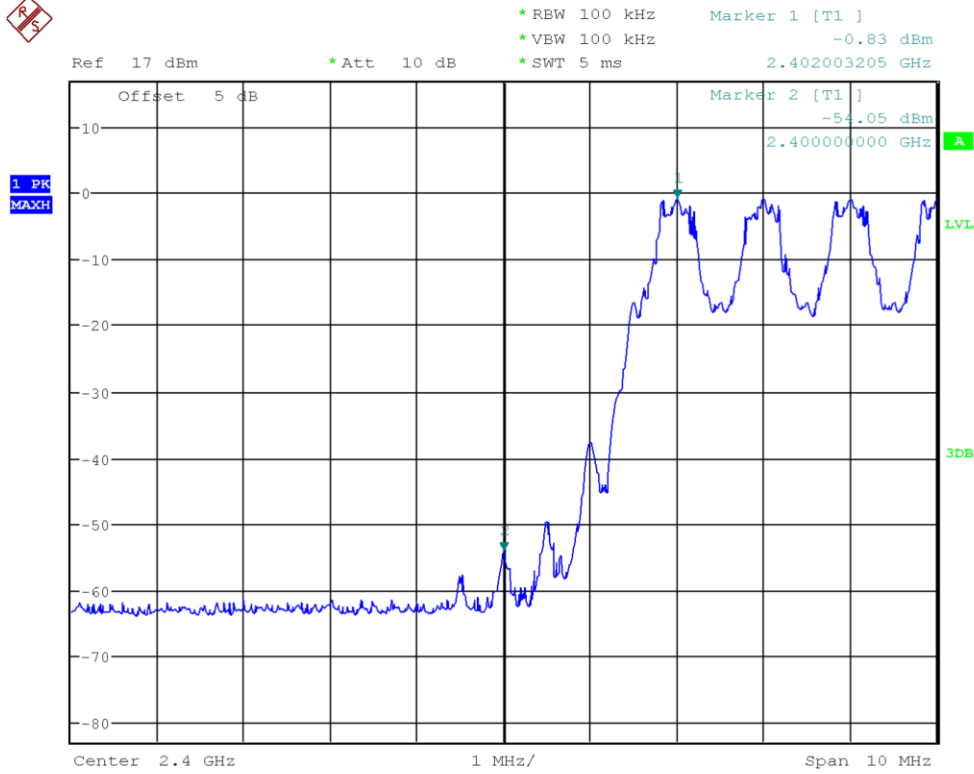
Date: 9.APR.2016 10:43:58

Fig.11 Frequency Band Edge: GFSK, Ch0, Hopping ON



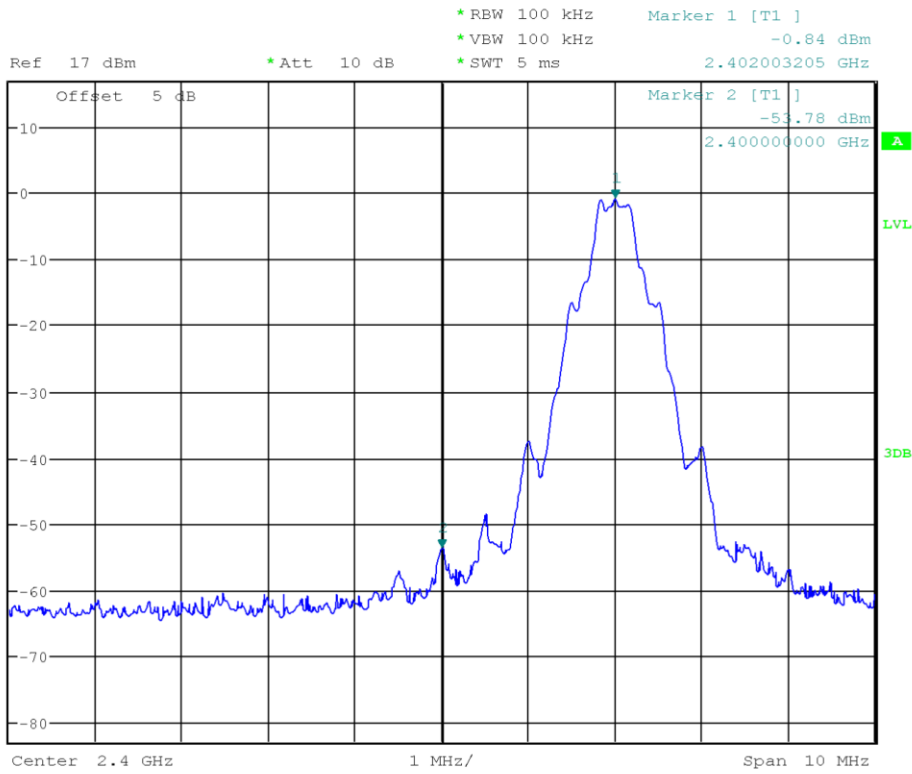
Date: 9.APR.2016 10:44:33

Fig.12 Frequency Band Edge: GFSK, Ch78, Hopping OFF



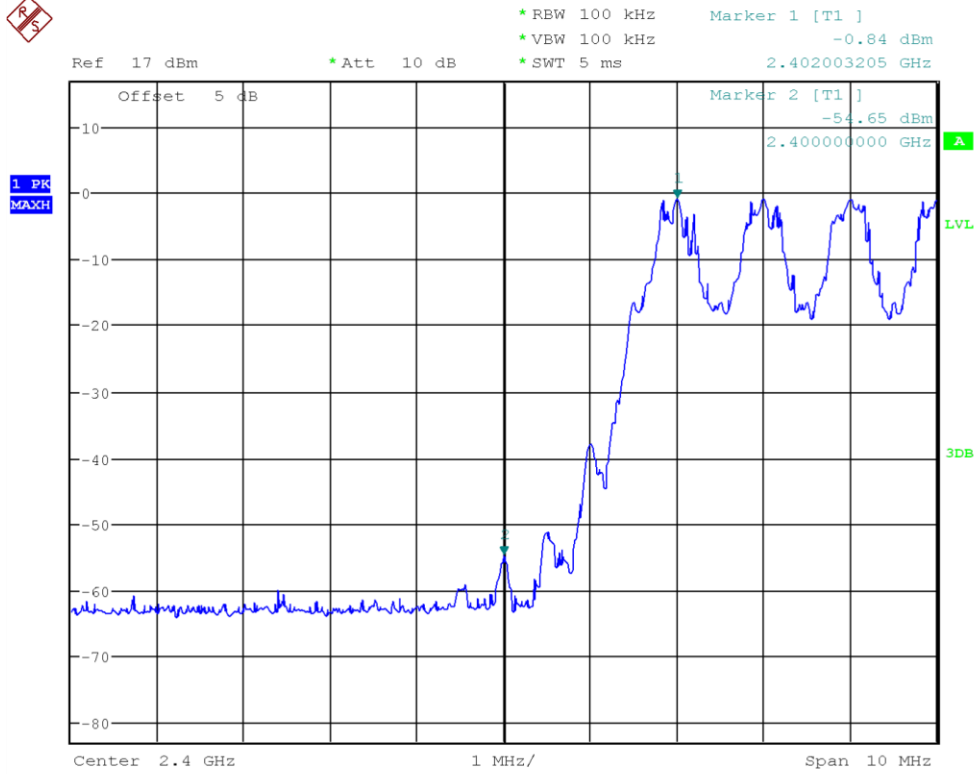
Date: 9.APR.2016 10:46:37

Fig.13 Frequency Band Edge: GFSK, Ch78, Hopping ON



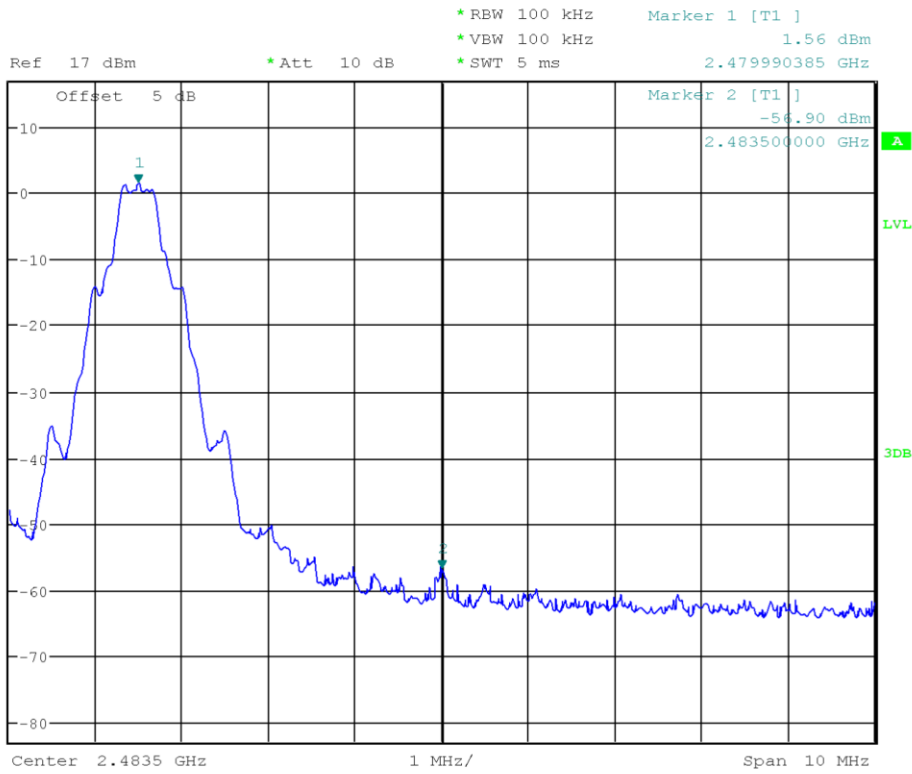
Date: 9.APR.2016 10:47:12

Fig.14 Frequency Band Edge: $\pi/4$ DQPSK, Ch0, Hopping OFF



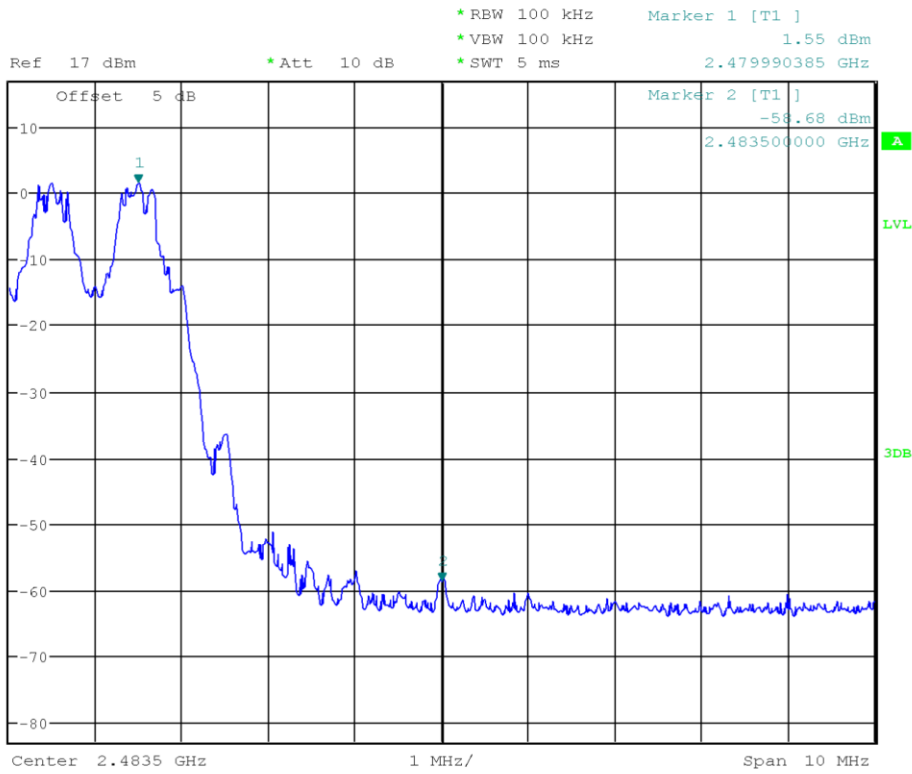
Date: 9.APR.2016 10:49:16

Fig.15 Frequency Band Edge: $\pi/4$ DQPSK, Ch0, Hopping ON



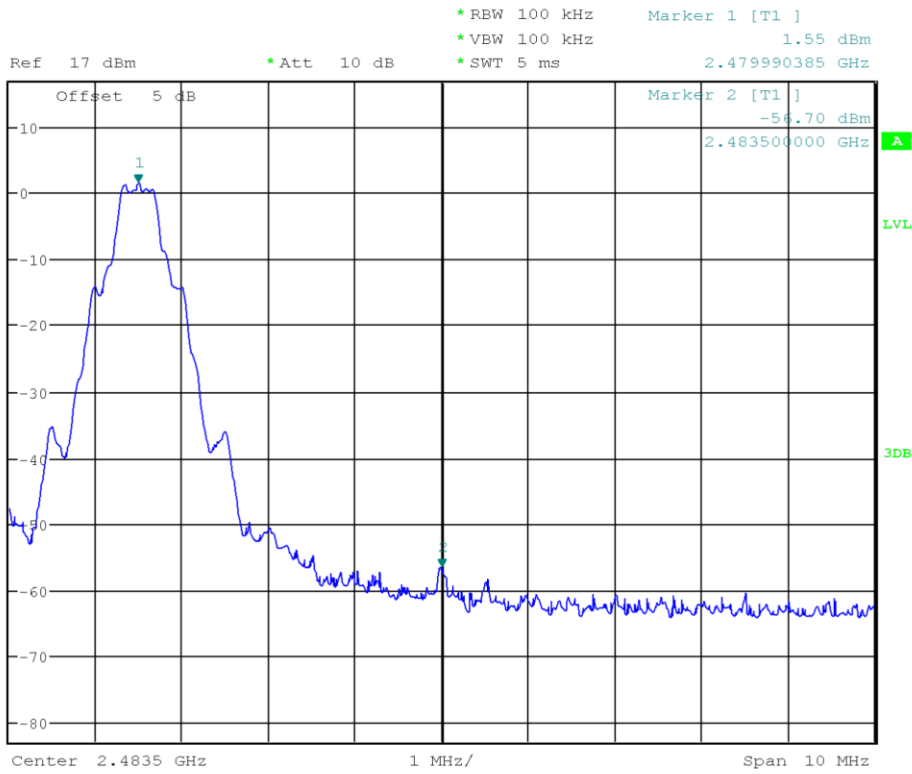
Date: 9.APR.2016 10:49:52

Fig.16 Frequency Band Edge: $\pi/4$ DQPSK, Ch78, Hopping OFF



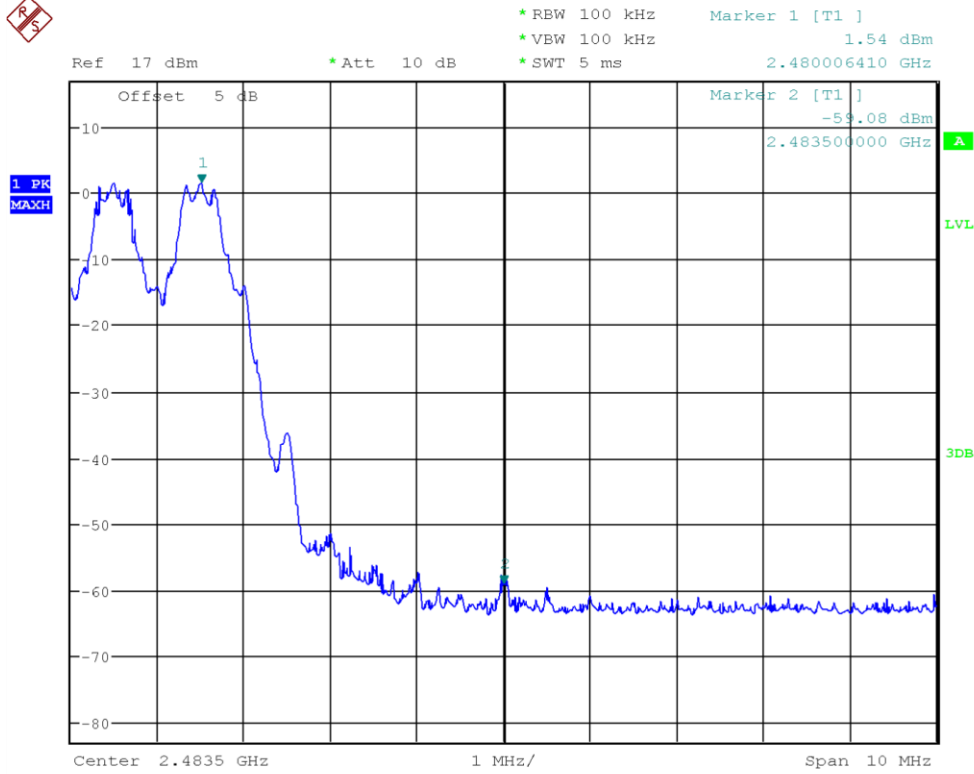
Date: 9.APR.2016 10:51:56

Fig.17 Frequency Band Edge: $\pi/4$ DQPSK, Ch78, Hopping ON



Date: 9.APR.2016 10:52:31

Fig.18 Frequency Band Edge: 8DPSK, Ch0, Hopping OFF

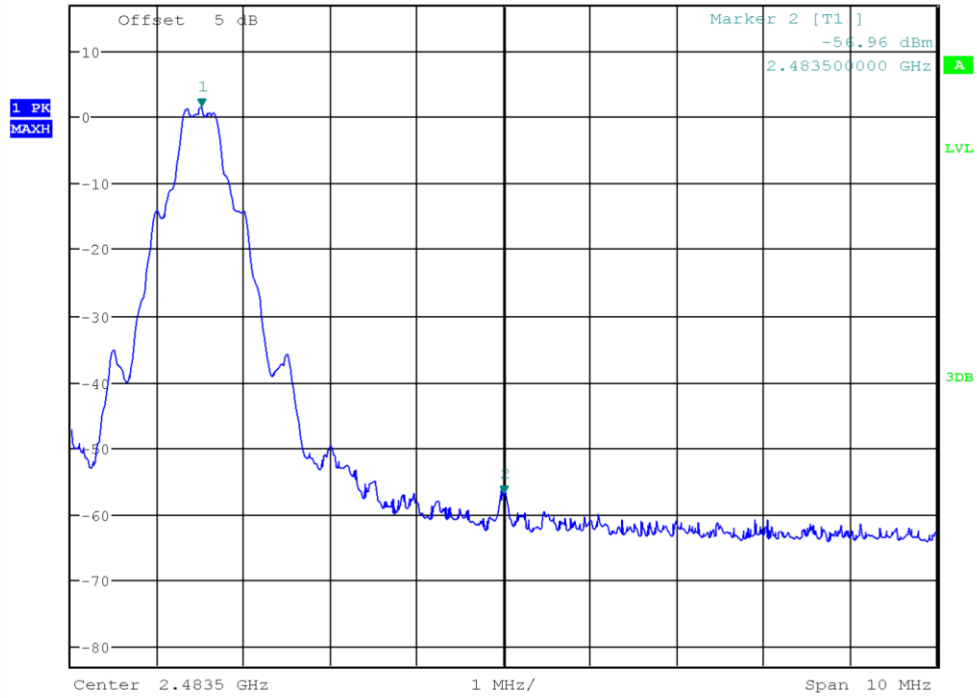


Date: 9.APR.2016 10:54:36

Fig.19 Frequency Band Edge: 8DPSK, Ch0, Hopping ON

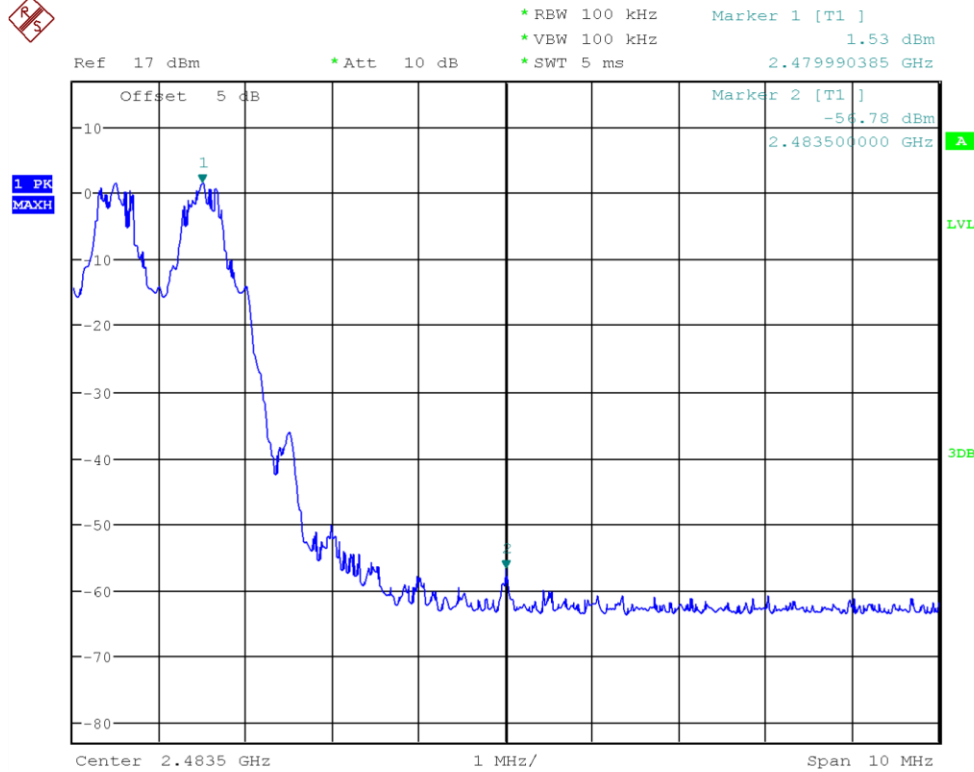


*RBW 100 kHz Marker 1 [T1]
 *VBW 100 kHz 1.56 dBm
 *Att 10 dB *SWT 5 ms 2.480006410 GHz
 Ref 17 dBm



Date: 9.APR.2016 10:55:11

Fig.20 Frequency Band Edge: 8DPSK, Ch78, Hopping OFF



Date: 9.APR.2016 10:57:15

Fig.21 Frequency Band Edge: 8DPSK, Ch78, Hopping ON

6.3. Conducted Emission

6.3.1 Measurement Limit:

Standard	Limit
FCC 47 CFR Part15.247 (d)	20dB below peak output power in 100KHz bandwidth

6.3.2 Test procedures

The measurement is according to ANSI C63.10 clause 7.8.8.

1. Connect the EUT to spectrum analyzer.
2. Set RBW=100KHz, VBW=300KHz.
3. Detector =peak, sweep time=auto couple, trace mode=max hold.

6.3.3 Measurement Results:

For GFSK

Channel	Frequency Range	Test Results	Conclusion
Ch0 2402MHz	Center Freq.	Fig.22	P

	30MHz~26GHz	Fig.23	P
Ch39 2441MHz	Center Freq.	Fig.24	P
	30MHz~26GHz	Fig.25	P
Ch78 2480MHz	Center Freq.	Fig.26	P
	30MHz~26GHz	Fig.27	P

For $\pi/4$ DQPSK

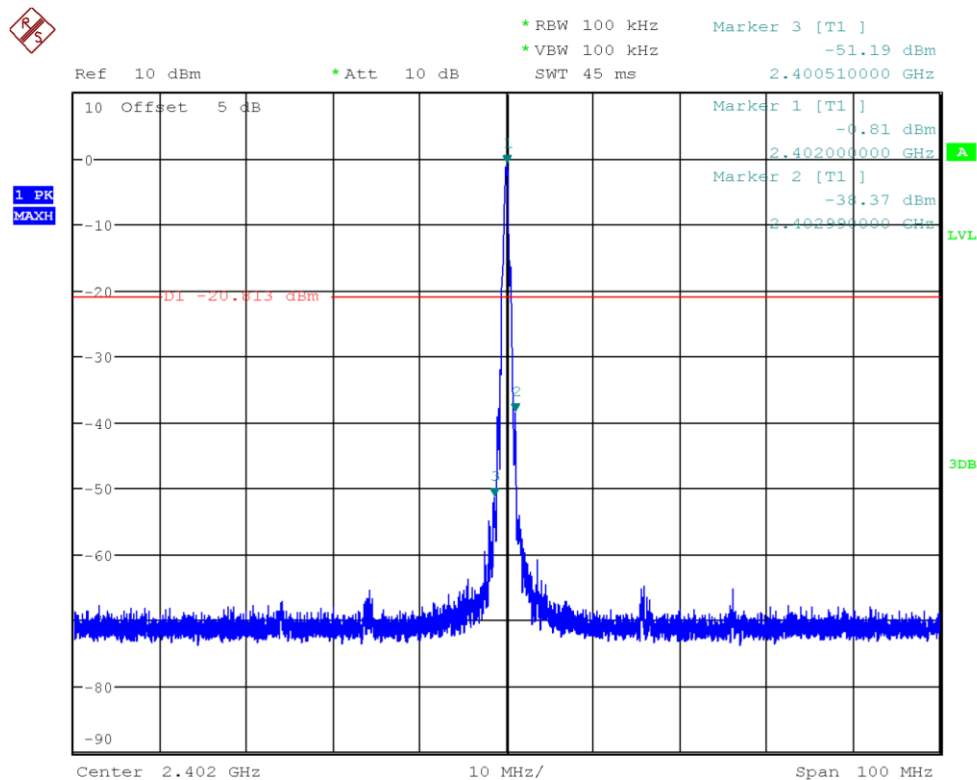
Channel	Frequency Range	Test Results	Conclusion
Ch0 2402MHz	Center Freq.	Fig.28	P
	30MHz~26GHz	Fig.29	P
Ch39 2441MHz	Center Freq.	Fig.30	P
	30MHz~26GHz	Fig.31	P
Ch78 2480MHz	Center Freq.	Fig.32	P
	30MHz~26GHz	Fig.33	P

For 8DPSK

Channel	Frequency Range	Test Results	Conclusion
Ch0 2402MHz	Center Freq.	Fig.34	P
	30MHz~26GHz	Fig.35	P
Ch39 2441MHz	Center Freq.	Fig.36	P
	30MHz~26GHz	Fig.37	P
Ch78 2480MHz	Center Freq.	Fig.38	P
	30MHz~26GHz	Fig.39	P

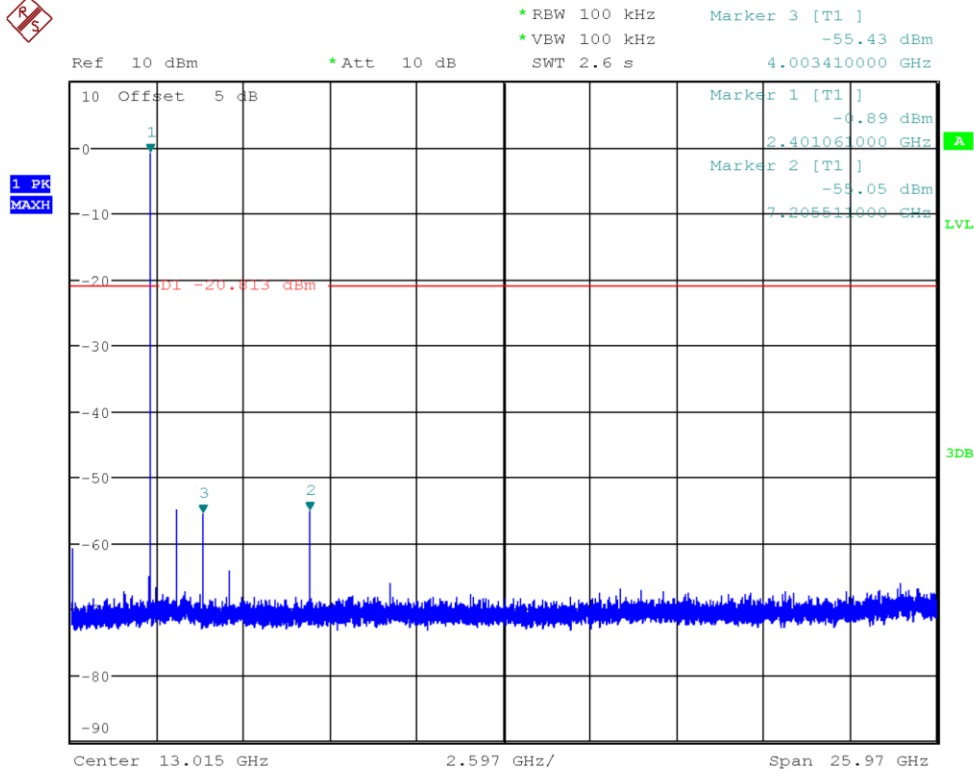
Conclusion: PASS

Test graphs as below



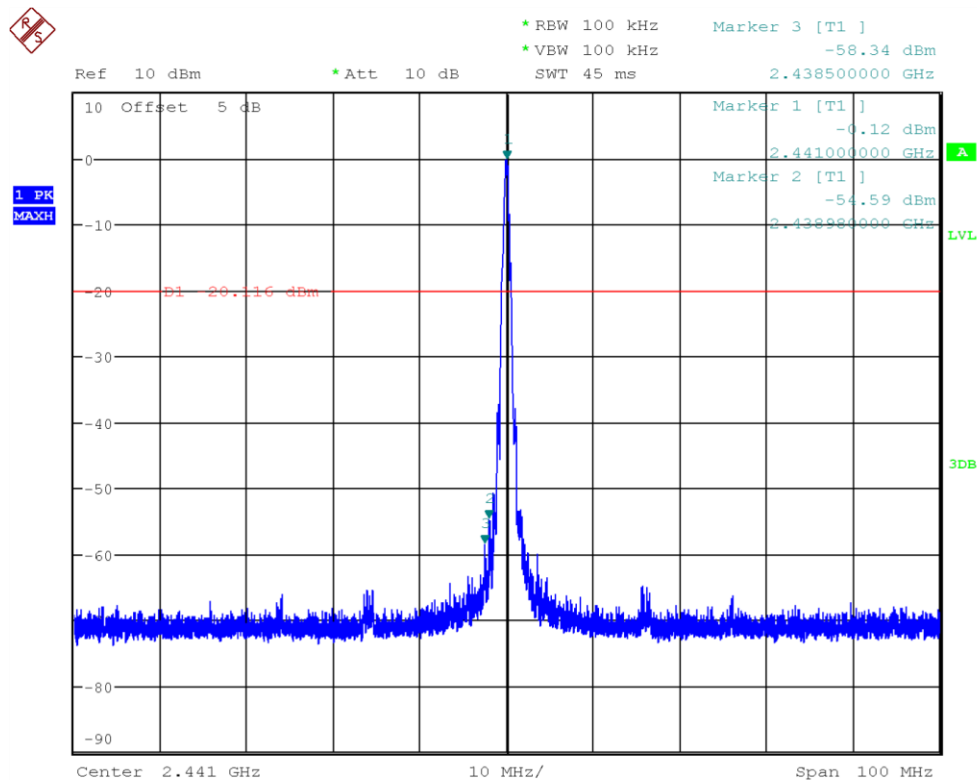
Date: 9.APR.2016 10:58:12

Fig.22 Conducted spurious emission: GFSK, Ch0, 2402MHz



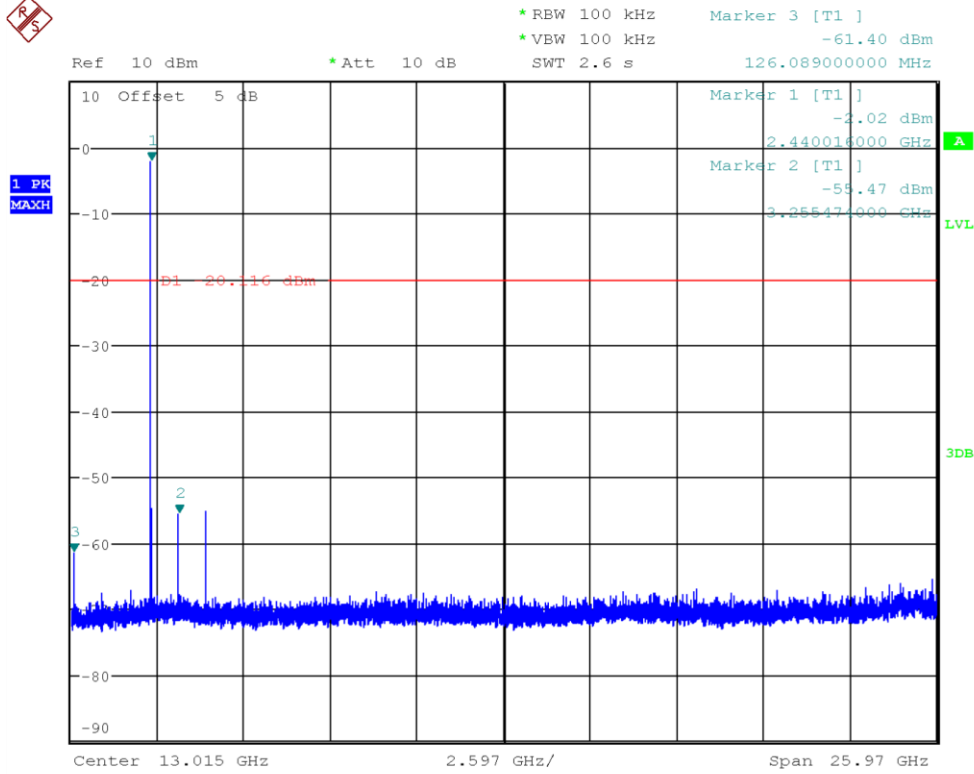
Date: 9.APR.2016 10:58:35

Fig.23 Conducted spurious emission: GFSK, Ch0, 30MHz~26GHz



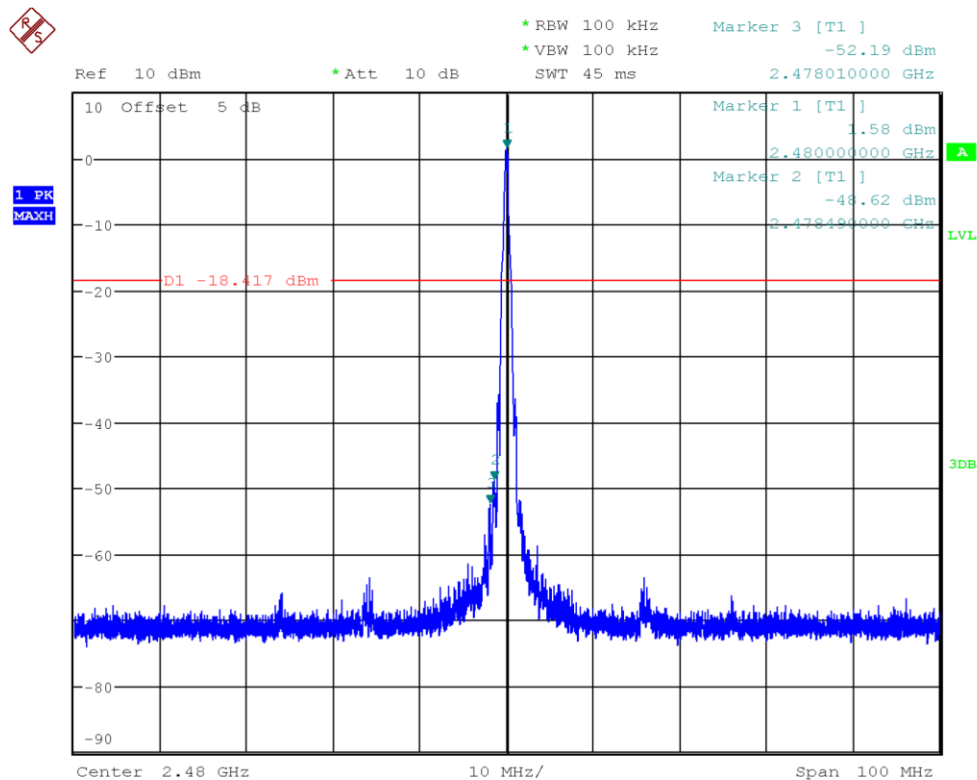
Date: 9.APR.2016 10:59:00

Fig.24 Conducted spurious emission: GFSK, Ch39, 2441MHz



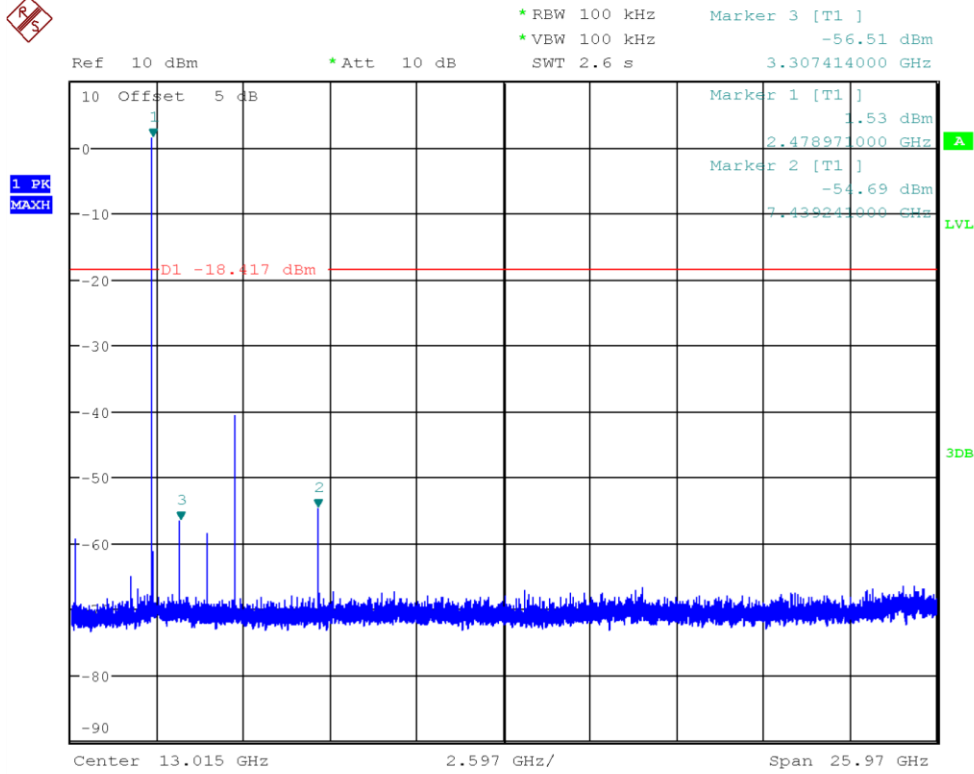
Date: 9.APR.2016 10:59:23

Fig.25 Conducted spurious emission: GFSK, Ch39, 30MHz~26GHz



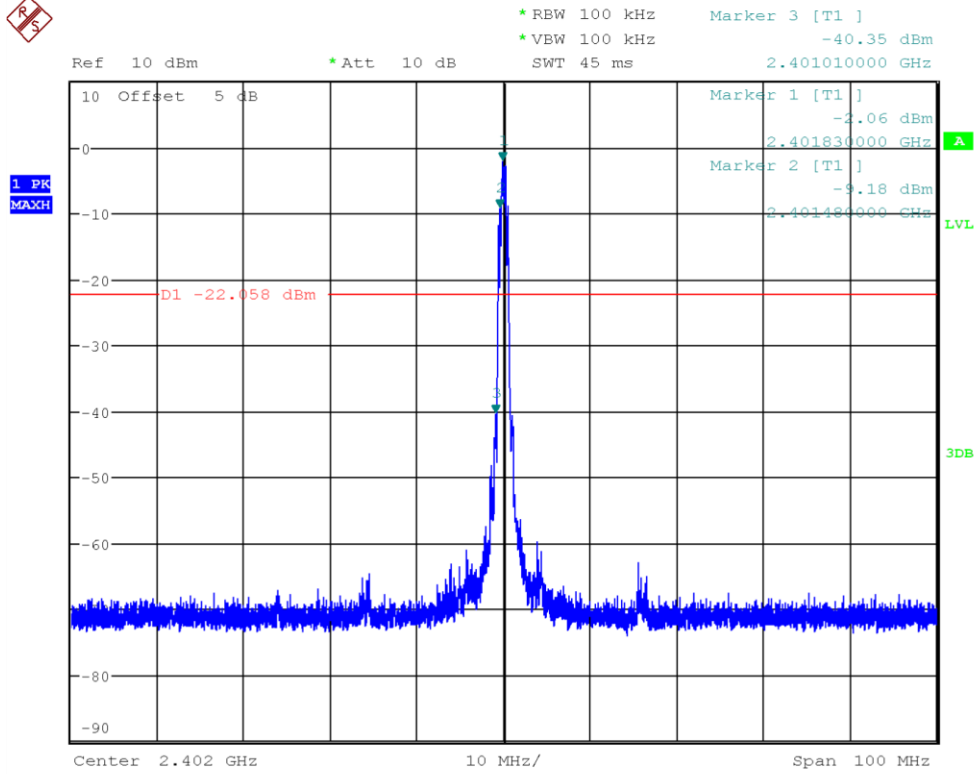
Date: 9.APR.2016 10:59:47

Fig.26 Conducted spurious emission: GFSK, Ch78, 2480MHz



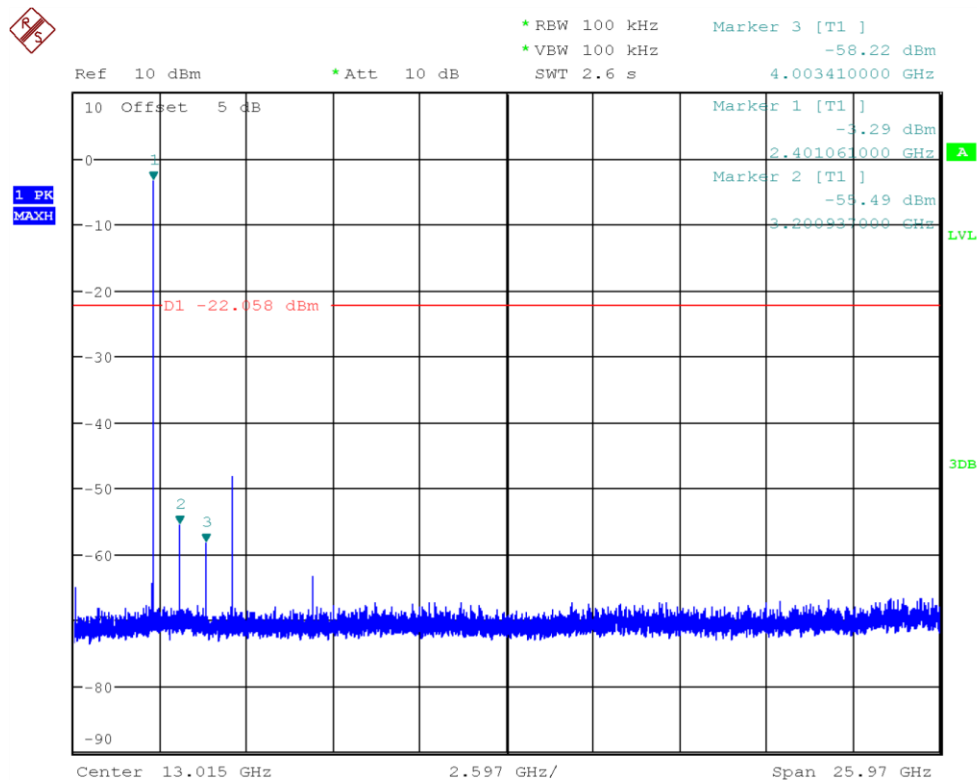
Date: 9.APR.2016 11:00:10

Fig.27 Conducted spurious emission: GFSK, Ch78, 30MHz~26GHz



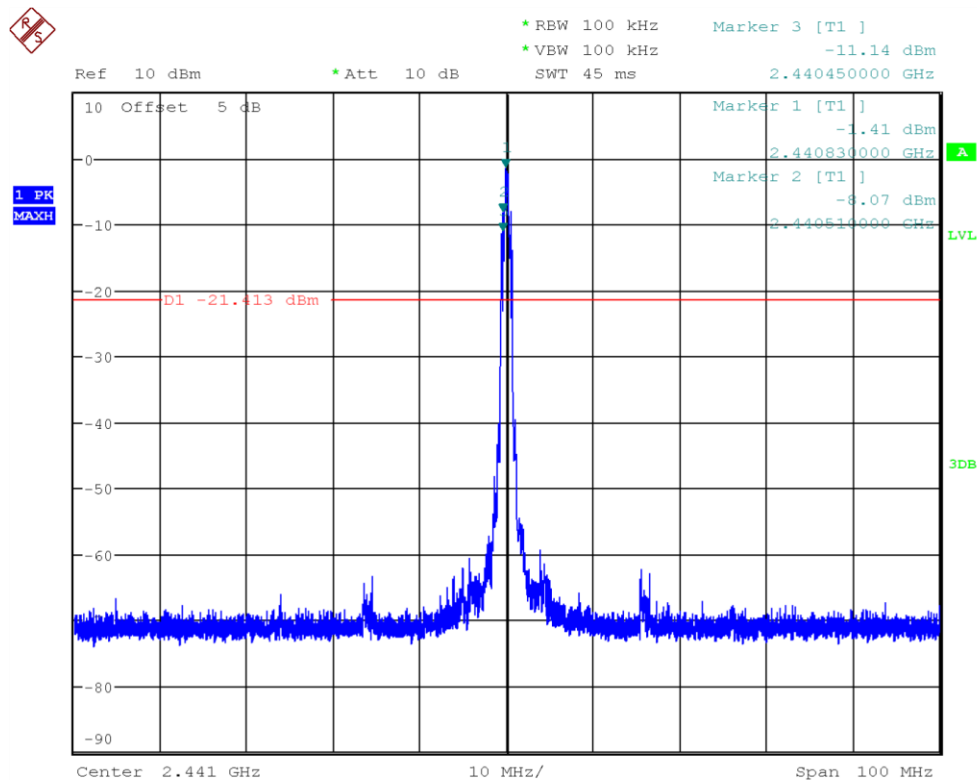
Date: 9.APR.2016 11:00:35

Fig.28 Conducted spurious emission: $\pi/4$ DQPSK, Ch0, 2402MHz



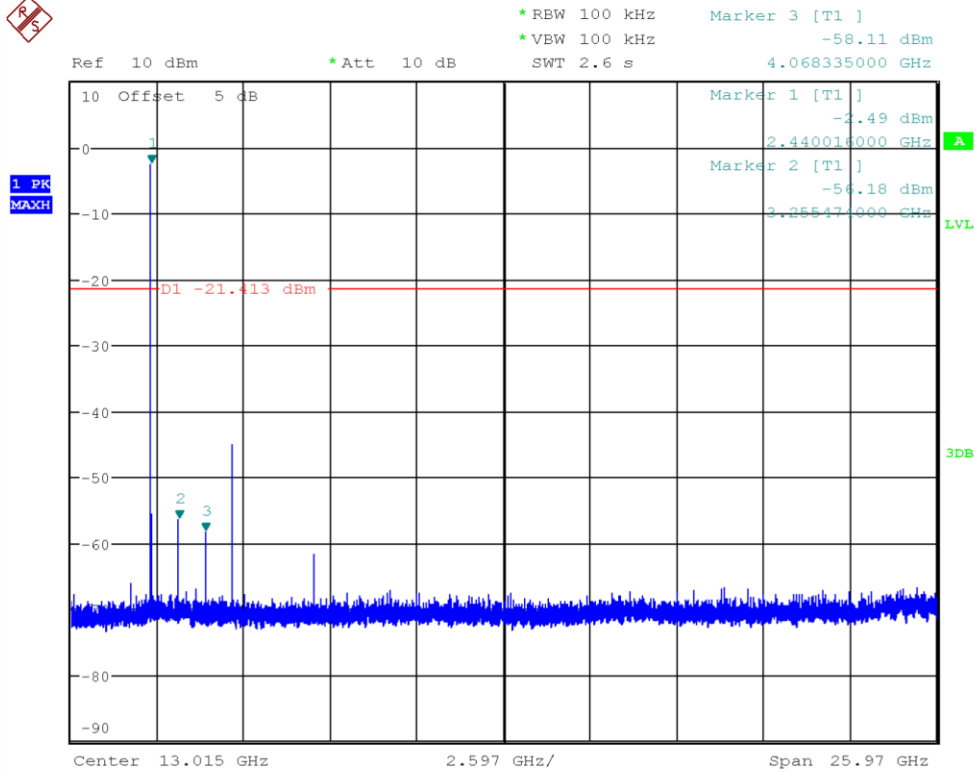
Date: 9.APR.2016 11:00:58

Fig.29 Conducted spurious emission: $\pi/4$ DQPSK, Ch0, 30MHz~26GHz



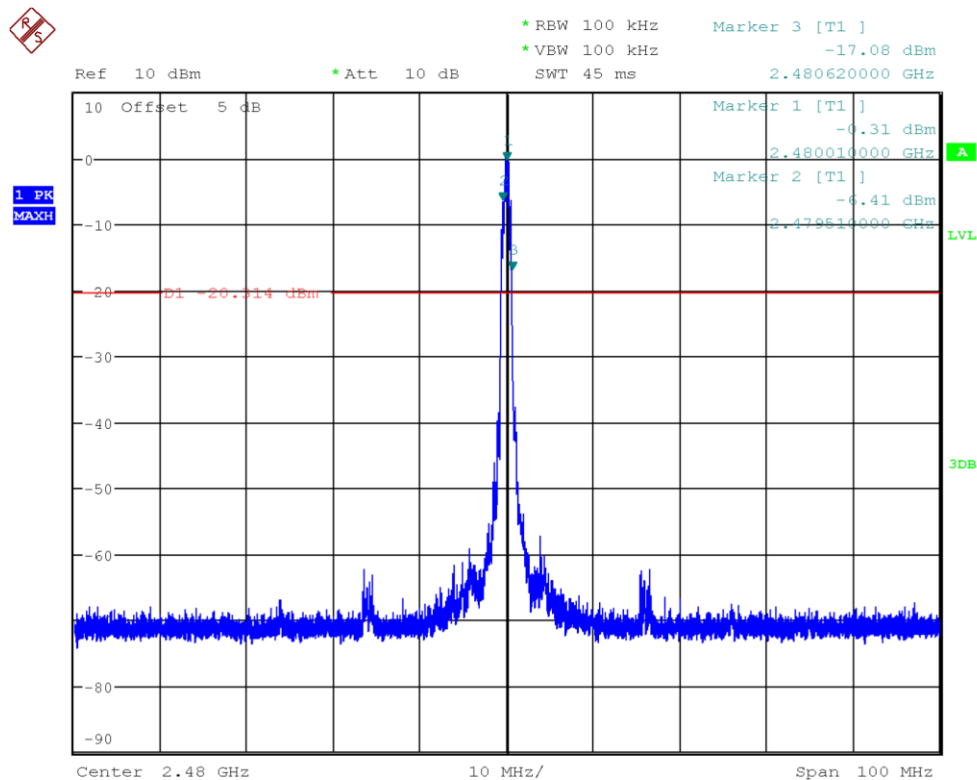
Date: 9.APR.2016 11:01:22

Fig.30 Conducted spurious emission: $\pi/4$ DQPSK, Ch39, 2441MHz



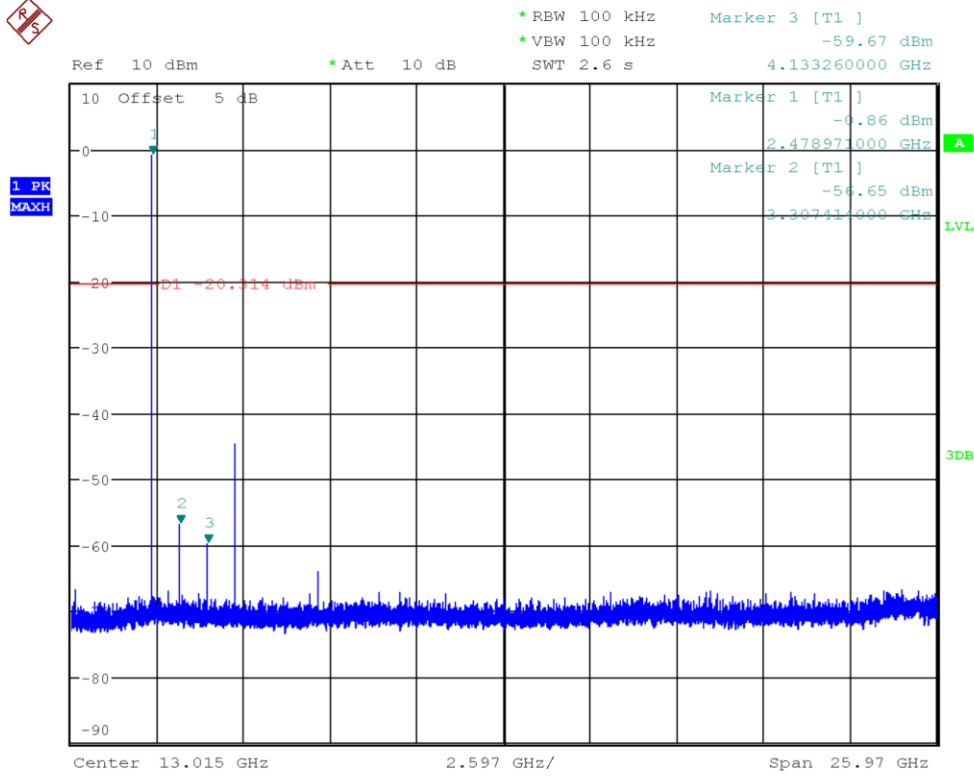
Date: 9.APR.2016 11:01:45

Fig.31 Conducted spurious emission: $\pi/4$ DQPSK, Ch39, 30MHz~26GHz



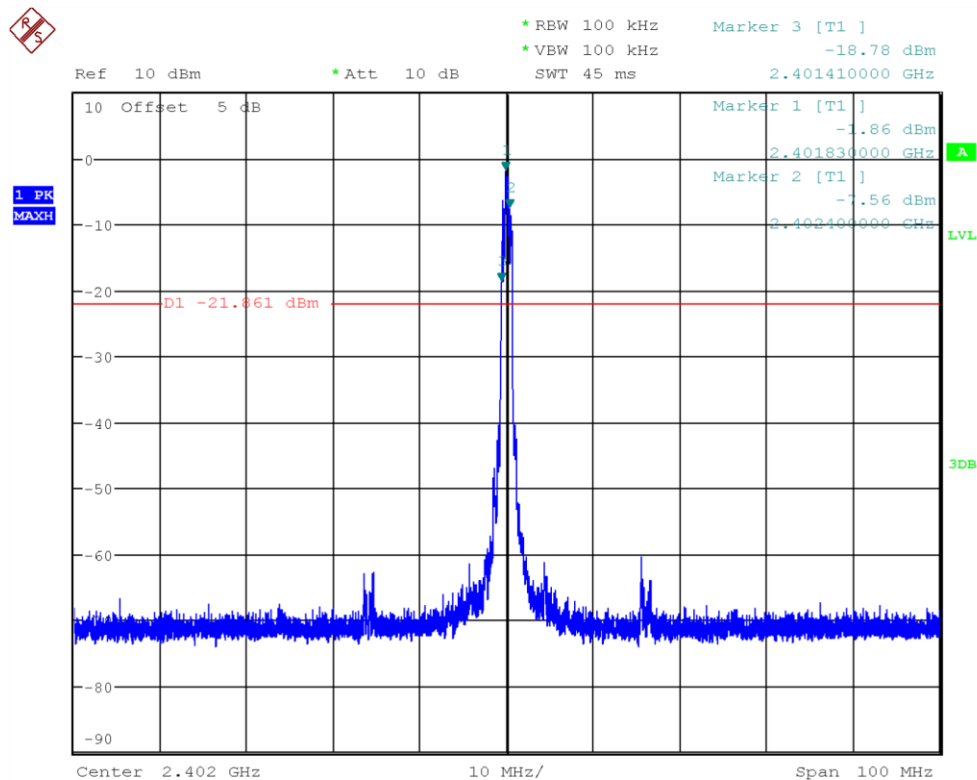
Date: 9.APR.2016 11:02:10

Fig.32 Conducted spurious emission: $\pi/4$ DQPSK, Ch78, 2480MHz



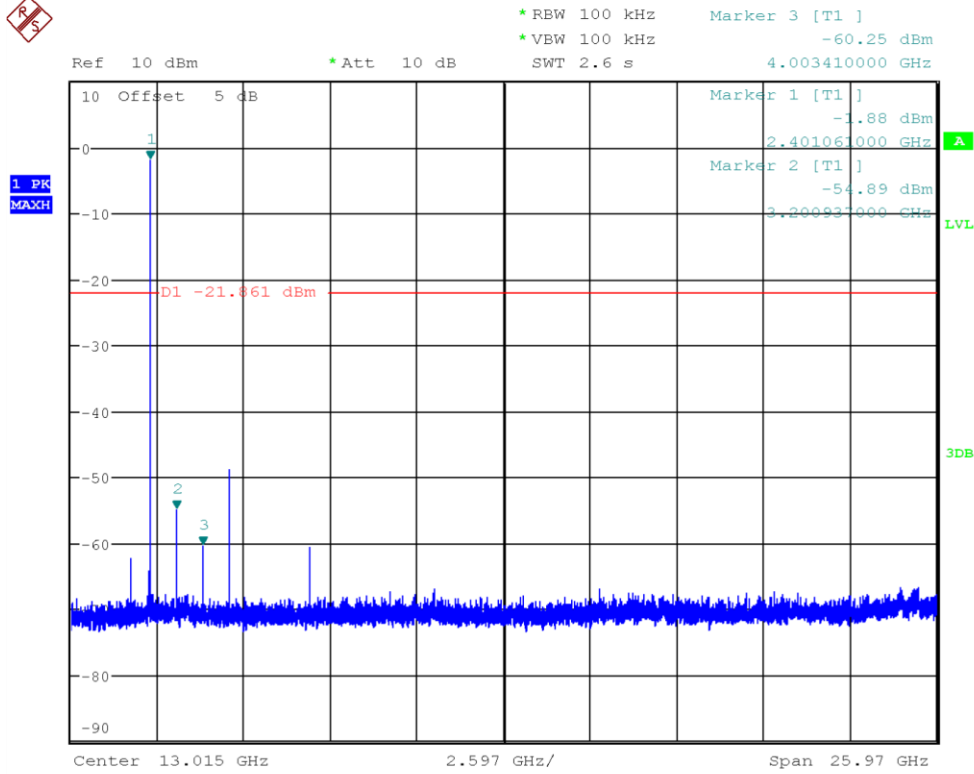
Date: 9.APR.2016 11:02:33

Fig.33 Conducted spurious emission: $\pi/4$ DQPSK, Ch78, 30MHz~26GHz



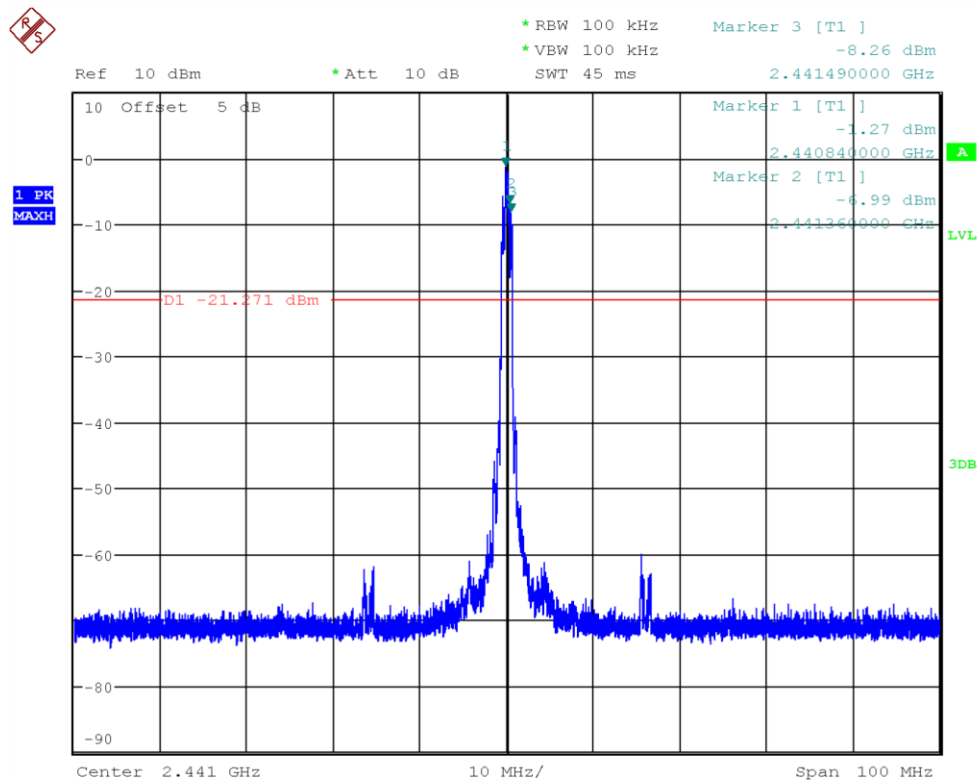
Date: 9.APR.2016 11:02:58

Fig.34 Conducted spurious emission: 8DPSK, Ch0, 2402MHz



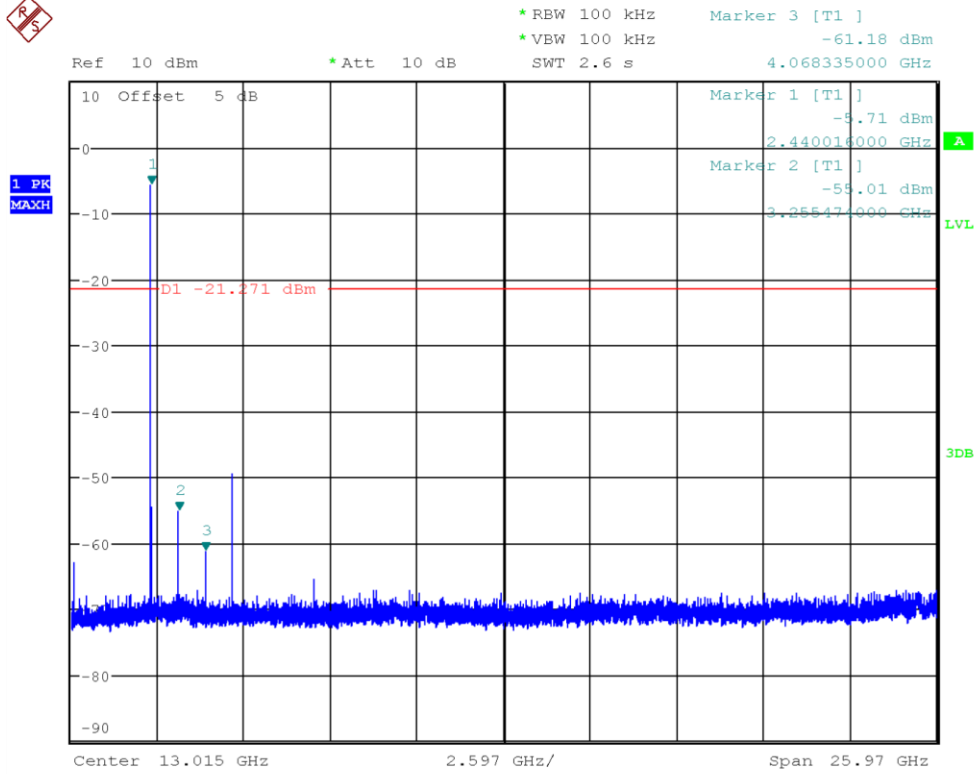
Date: 9.APR.2016 11:03:20

Fig.35 Conducted spurious emission: 8DPSK, Ch0, 30MHz~26GHz



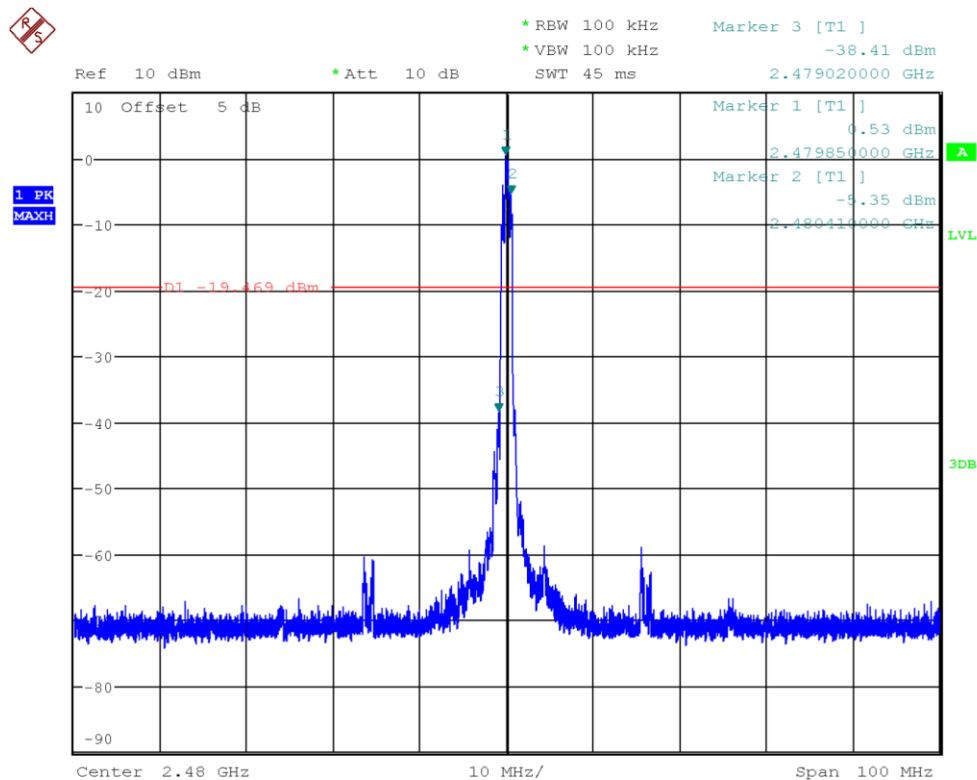
Date: 9.APR.2016 11:03:45

Fig.36 Conducted spurious emission: 8DPSK, Ch39, 2441MHz



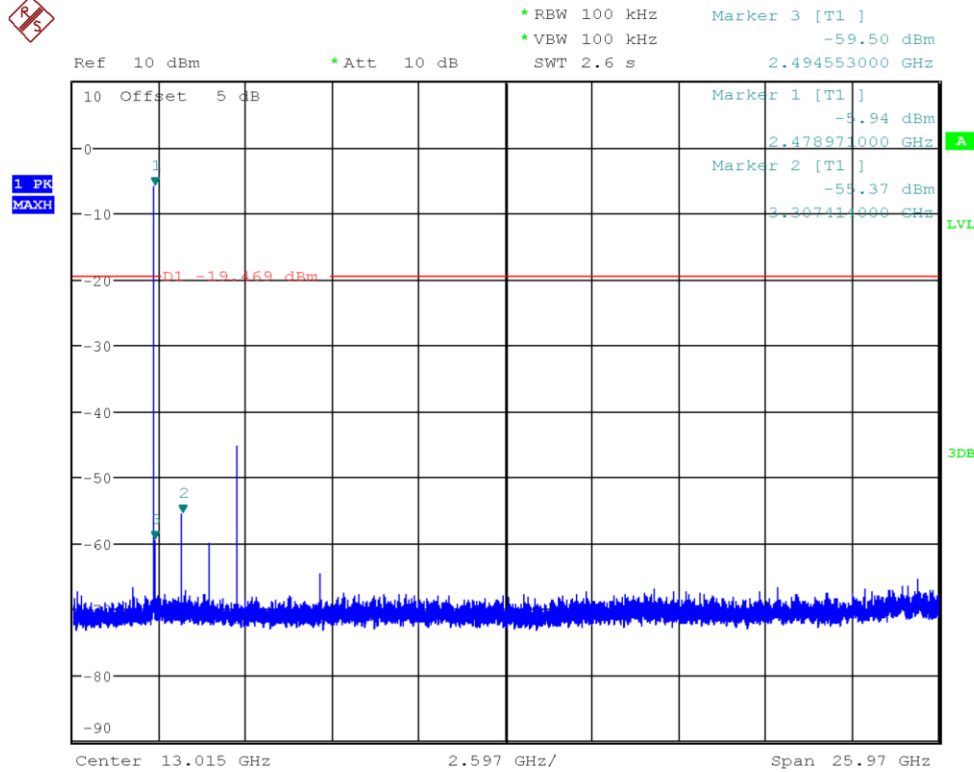
Date: 9.APR.2016 11:04:08

Fig.37 Conducted spurious emission: 8DPSK, Ch39, 30MHz~26GHz



Date: 9.APR.2016 11:04:33

Fig.38 Conducted spurious emission: 8DPSK, Ch78, 2480MHz



Date: 9.APR.2016 11:04:55

Fig.39 Conducted spurious emission: 8DPSK, Ch78, 30MHz~26GHz

6.4. Radiated Emission

6.4.1 Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	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 (uV/m)	Field strength (dBuV/m)
30~88	100	40
88~216	150	43.5
216~960	200	46
Above 960	500	54

6.4.2 Test Method

Portable, small, lightweight, or modular devices that may be handheld, worn on the body, or placed on a table during operation shall be positioned on a non-conducting platform, the top of which is 80 cm above the reference ground plane. The preferred area occupied by the EUT arrangement is 1 m by 1.5 m, but it may be larger or smaller to accommodate various sized EUTs. For testing purposes, ceiling- and wall-mounted devices also shall be positioned on a tabletop (see also ANSI C63.10-2009 section 6.3.4 and 6.3.5). In making any tests involving handheld, body-worn, or ceiling-mounted equipment, it is essential to recognize that the measured levels may be dependent on the orientation (attitude) of the three orthogonal axes of the EUT. Thus, exploratory tests as specified in 8.3.1 shall be carried out for various axes orientations to determine the attitude having maximum or near-maximum emission level.

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	100KHz/300KHz	5
1000~4000	1MHz/1MHz	15
4000~18000	1MHz/1MHz	40
18000~26500	1MHz/1MHz	20

6.4.3 Measurement Results:

A “reference path loss” is established and A_{Rpi} is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

The measurement results are obtained as described below:

$$A_{Rpi} = \text{Cable loss} + \text{Antenna Gain} - \text{Preamplifier gain}$$

$$\text{Result} = P_{\text{Mea}} + A_{Rpi}$$

For GFSK

Channel	Frequency Range	Test Results	Conclusion
Ch0 2402MHz	30MH~1GHz	Fig.40	P

	1GHz~3GHz	Fig.41	P
	3GHz~18GHz	Fig.42	P
Power	2.38GHz~2.4GHz	Fig.43	P
Power	2.45GHz~2.5GHz	Fig.44	P
All channels	18GHz~26GHz	Fig.45	P

For $\pi/4$ DQPSK

Channel	Frequency Range	Test Results	Conclusion
Ch0 2402MHz	30MH~1GHz	Fig.46	P
	1GHz~3GHz	Fig.47	P
	3GHz~18GHz	Fig.48	P
Power	2.38GHz~2.4GHz	Fig.49	P
Power	2.45GHz~2.5GHz	Fig.50	P
All channels	18GHz~26GHz	Fig.51	P

For 8DPSK

Channel	Frequency Range	Test Results	Conclusion
Ch0 2402MHz	30MH~1GHz	Fig.52	P
	1GHz~3GHz	Fig.53	P
	3GHz~18GHz	Fig.54	P
Power	2.38GHz~2.4GHz	Fig.55	P
Power	2.45GHz~2.5GHz	Fig.56	P
All channels	18GHz~26GHz	Fig.57	P

GFSK Ch0 30MHz-1GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
35.151984	22.08	-25.9	47.98	V
72.77022	34.33	-28.2	62.53	V
74.232524	35.89	-28.2	64.09	V
76.101136	37.08	-28.2	65.28	V

179.241508	31.23	-25.3	56.53	H
230.917472	31.05	-23.2	54.25	H

GFSK Ch0 1GHz-3GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2604.881347	52.94	9.4	43.54	V
2655.590962	53.16	10	43.16	H
2799.876347	53.43	10.4	43.03	H
2886.309231	54.01	11.2	42.81	V
2939.904231	54.13	11.2	42.93	V
2993.468269	54.25	11.7	42.55	V

GFSK Ch0 3GHz-18GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
14311.90127	54.78	-12	66.78	H
15447.5252	56.77	308	-251.23	V
16171.78147	58.96	163	-104.04	V
16816.54633	60.58	235	-174.42	H
17527.82533	61.81	317	-255.19	H
17861.24947	61.75	288	-226.25	V

 $\pi/4$ DQPSK Ch0 30MHz-1GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
34.358164	19.3	-25.9	45.2	V
51.956788	29.5	-25	54.5	V
68.038384	32.31	-27.6	59.91	V
73.557612	35.16	-28.2	63.36	V
209.903816	36.33	-24.3	60.63	H
278.873508	36.93	-21.1	58.03	H

$\pi/4$ DQPSK Ch0 1GHz-3GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2324.9552	51.46	7.5	43.96	V
2676.7225	53.67	10	43.67	H
2713.27	52.43	10.1	42.33	H
2724.139423	52.45	10.1	42.35	V
2780.106346	53.69	10.3	43.39	H
2865.6225	52.98	11	41.98	H

 $\pi/4$ DQPSK Ch0 3GHz-18GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
15775.1304	57.41	24.5	32.91	H
16034.3834	58.55	25.1	33.45	V
16495.88507	59.71	26.9	32.81	H
17121.0076	59.97	27	32.97	H
17525.32847	61.35	29.2	32.15	V
17872.73467	61.64	29.4	32.24	H

8DPSK 30MHz-1GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
72.78404	36.72	-28.2	64.92	V
73.159252	37.98	-28.2	66.18	V
73.523396	38.37	-28.2	66.57	V
73.89686	37.77	-28.2	65.97	V
74.248152	36.78	-28.2	64.98	V
209.096732	32.42	-24.3	56.72	H

8DPSK 1GHz-3GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
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1494.7536	42.68	-1.9	44.58	H
1992.156	55.43	2.3	53.13	H
2625.595385	52.6	9.6	43	H
2741.547693	53.42	10.1	43.32	V
2858.155577	53.59	11	42.59	V
2994.737308	53.94	11.7	42.24	V

8DPSK 3GHz-18GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
14886.44833	56.4	21.9	34.5	H
16246.62147	58.5	25.4	33.1	H
16819.6486	60.98	27.3	33.68	H
17284.56427	60.89	28.1	32.79	V
17535.75587	62.2	29.3	32.9	V
17967.7584	62.47	30	32.47	V

All Ch 18GHz~26.5GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
19525.786000	49.0	6.97	42.03	V
20684.980000	47.7	6.97	40.73	H
22119.789000	45.3	3.05	42.25	V
23627.899000	43.8	3.05	40.75	H
24606.319000	43.4	3.05	40.35	V
25244.558000	43.6	3.05	40.55	H

Note: all the test data shown was peak detected.

Conclusion: PASS

Test graphs as below:

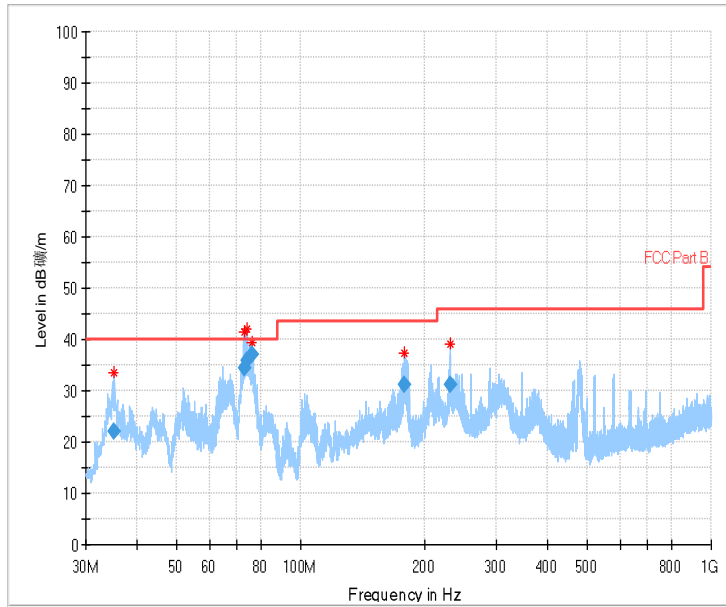


Fig.40 Radiated emission: GFSK, Ch0, 30MHz~1GHz

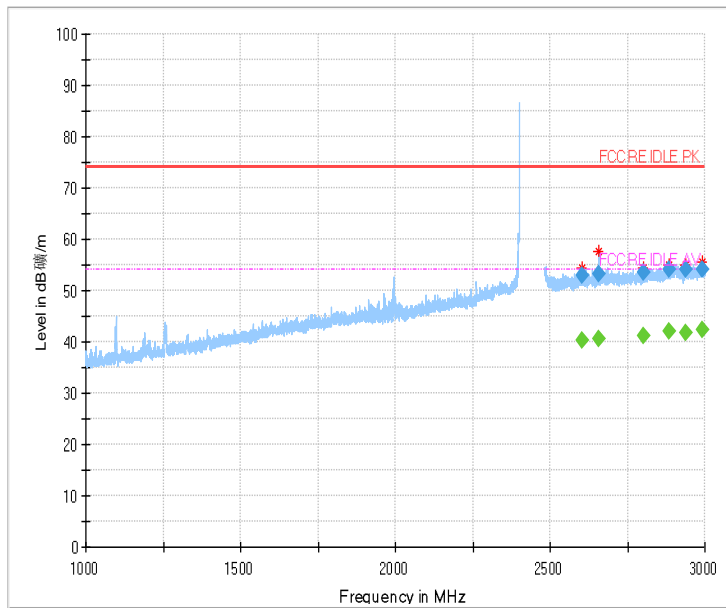


Fig.41 Radiated emission: GFSK, Ch0, 1GHz~3GHz

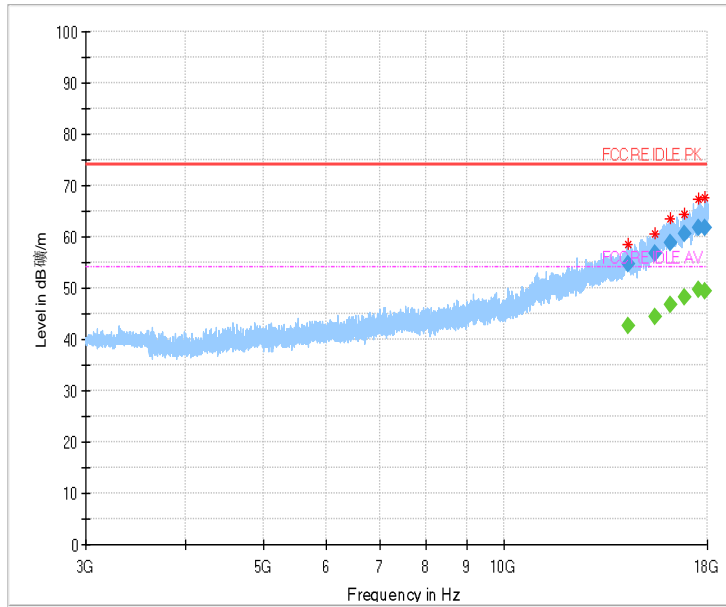


Fig.42 Radiated emission: GFSK, Ch0, 3GHz~18GHz

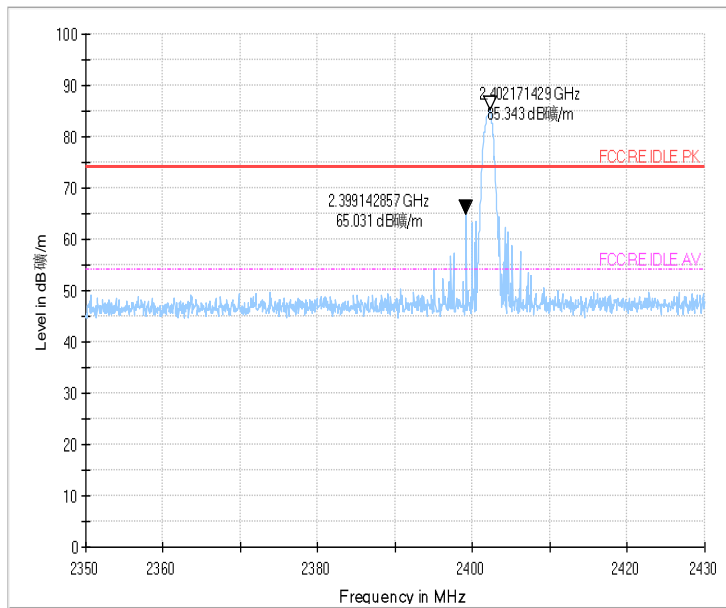


Fig.43 Radiated emission (Power): GFSK, low channel
(peak)

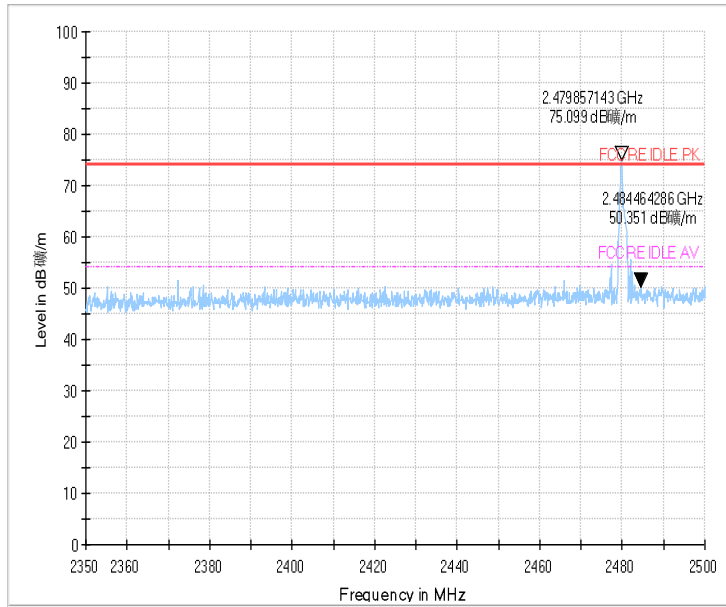


Fig.44 Radiated emission (Power): GFSK, high channel

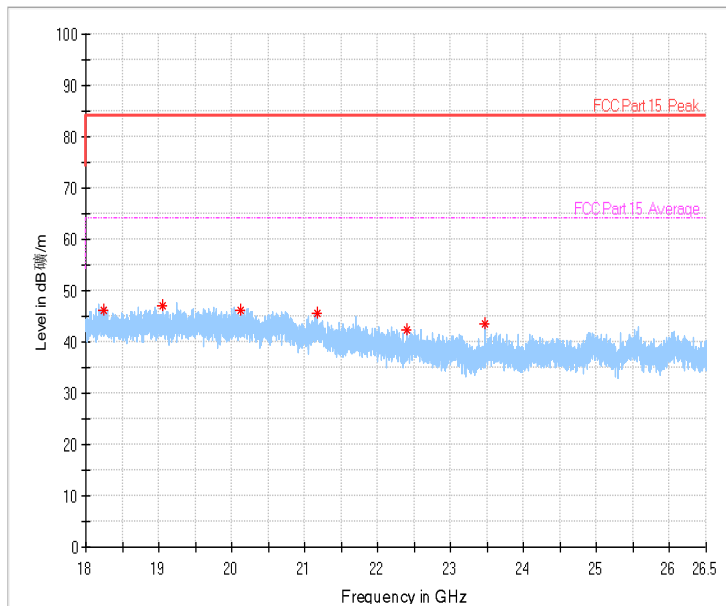


Fig.45 Radiated emission: GFSK, 18 GHz - 26 GHz

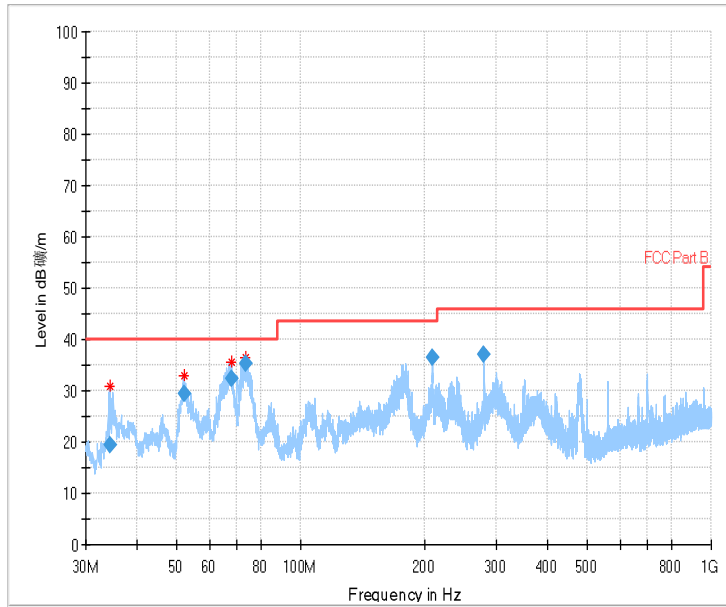


Fig.46 Radiated emission: $\pi/4$ DQPSK, Ch0, 30MHz~1GHz

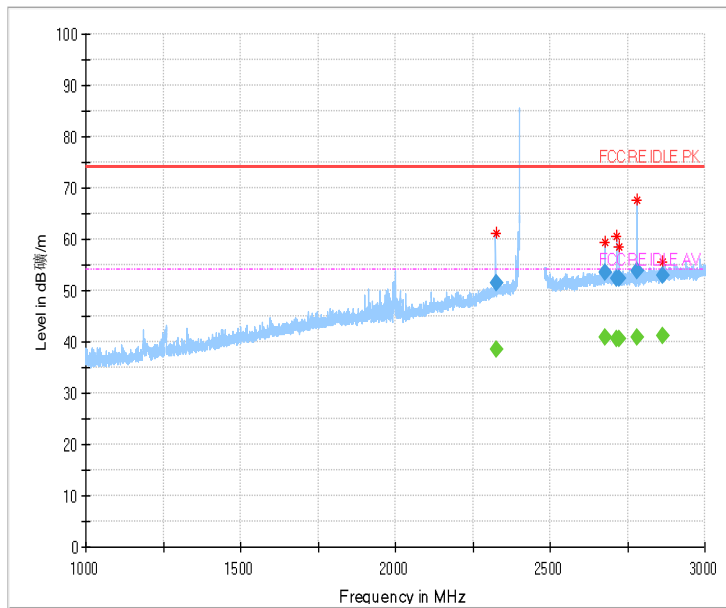


Fig.47 Radiated emission: $\pi/4$ DQPSK, Ch0, 1GHz~3GHz

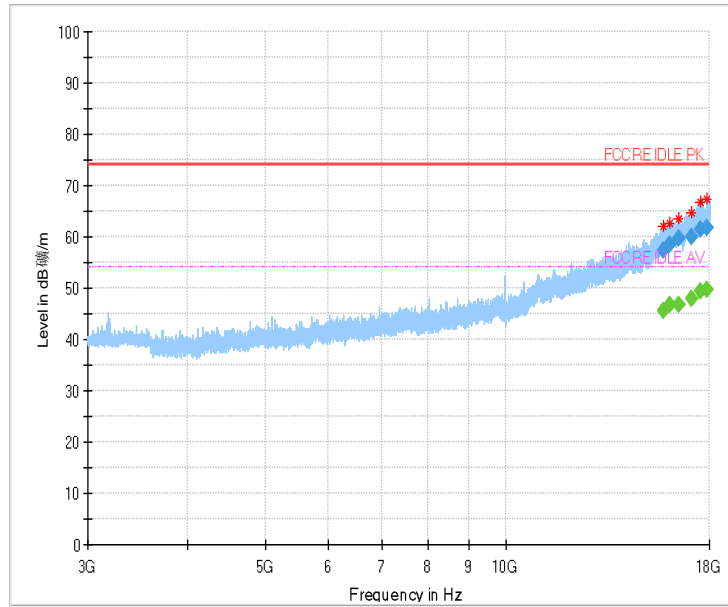


Fig.48 Radiated emission: $\pi/4$ DQPSK, Ch0, 3GHz~18GHz

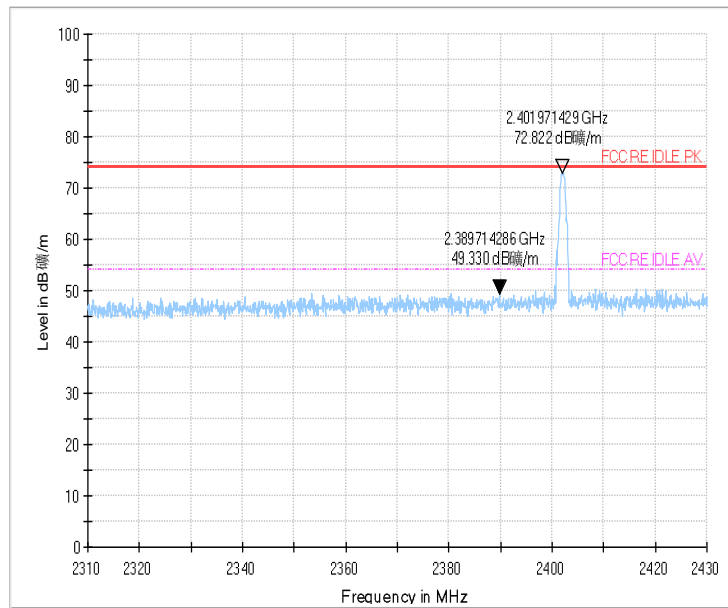
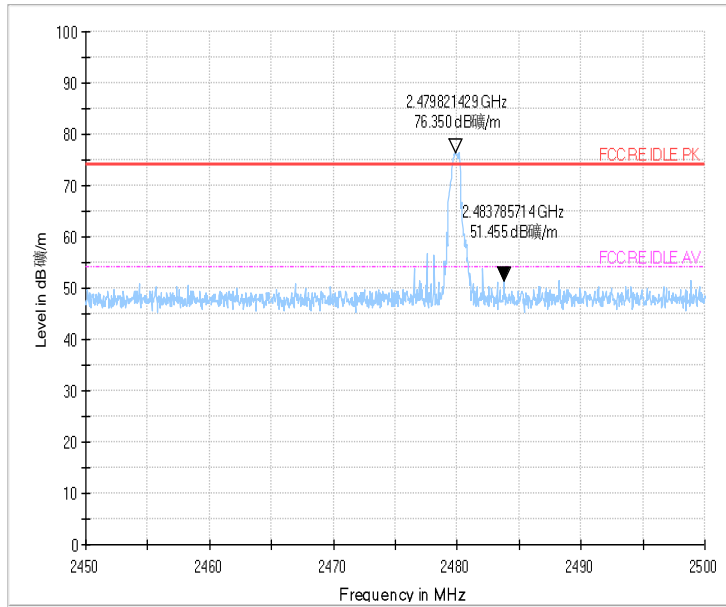


Fig.49 Radiated emission (Power): $\pi/4$ DQPSK, low channel



(peak)

Fig.50 Radiated emission (Power): $\pi/4$ DQPSK, high channel

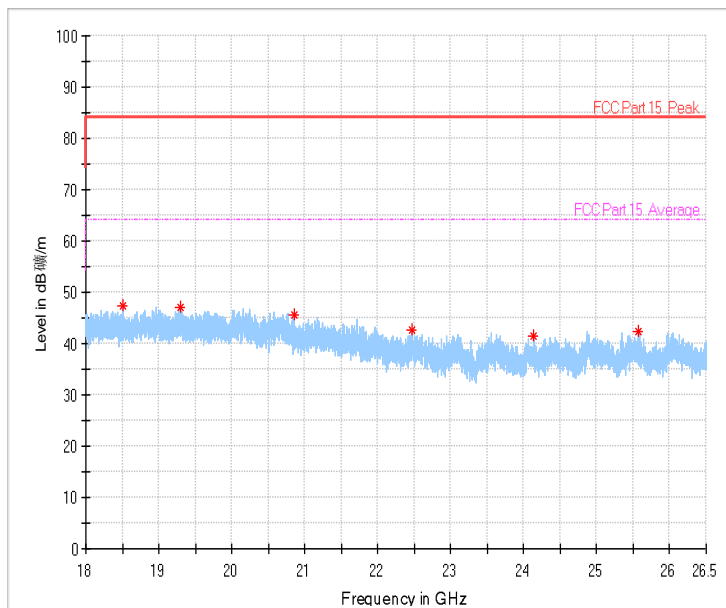


Fig.51 Radiated emission: $\pi/4$ DQPSK, 18 GHz - 26 GHz

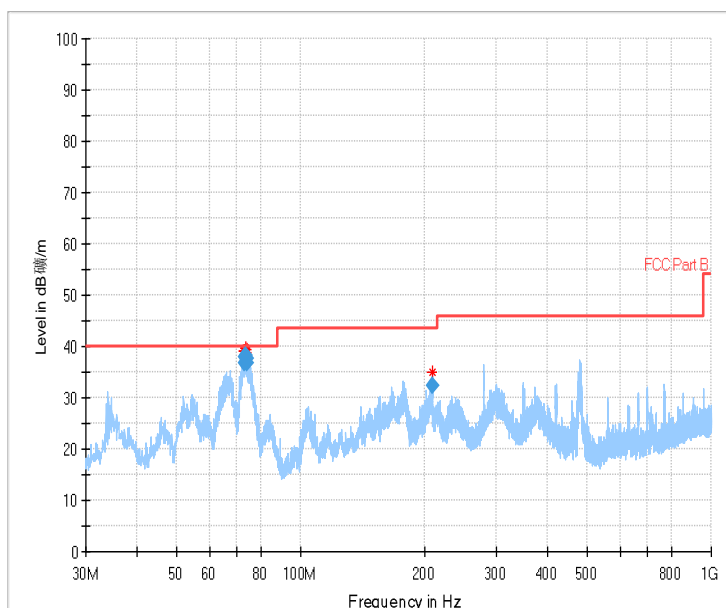


Fig.52 Radiated emission: 8DPSK, Ch0, 30MHz~1GHz

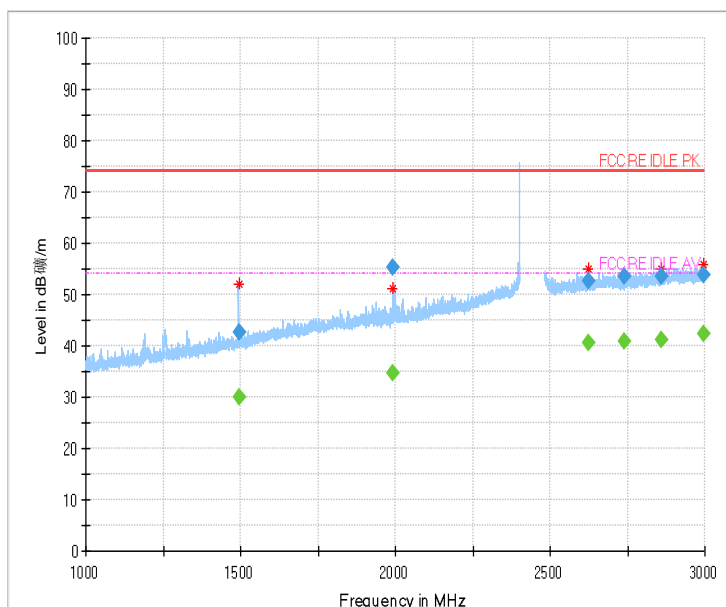


Fig.53 Radiated emission: 8DPSK, Ch0, 1GHz~3GHz

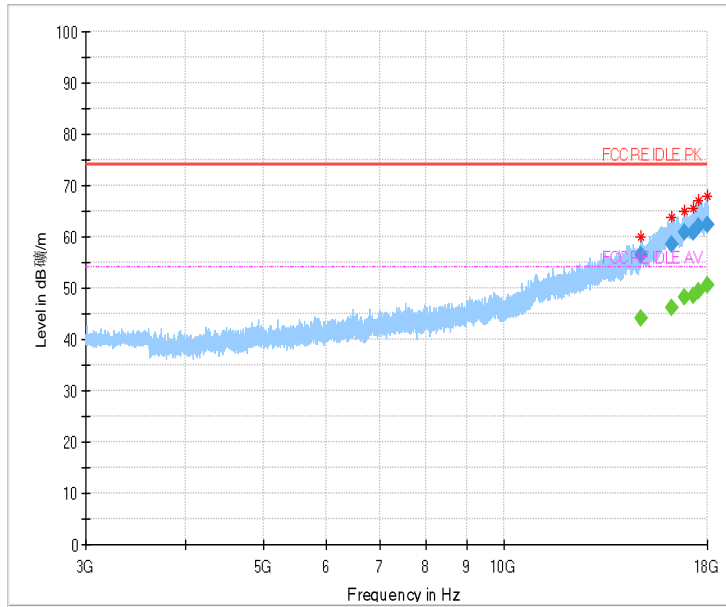


Fig.54 Radiated emission: 8DPSK, Ch0, 3GHz~18GHz

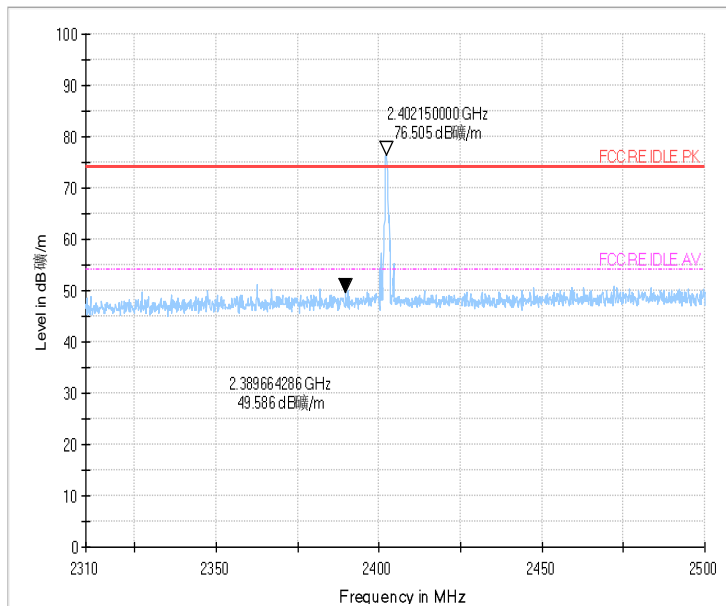


Fig.55 Radiated emission (Power): 8DPSK, low channel