



**FCC PART 15C  
TEST REPORT  
No. 2013EEB00535-BT**

**For**

**TCT Mobile Limited**

**CDMA Mobile phone**

**Model Name: ALCATEL C230, ALCATEL 3000C**

**Marketing Name: /**

**With**

**Hardware Version: PIO**

**Software Version: V1.4**

**FCC ID: RAD438**

**Issued Date: Feb 14<sup>th</sup>, 2014**

**Test Laboratory:**

***FCC 2.948 Listed: No.310359***

***IC O.A.T.S listed: No.6629C-1***

**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 TMC Beijing.

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## 1. Test Laboratory

### 1.1. Testing Location

Company Name: TMC Shenzhen, Telecommunication Metrology Center of MIIT  
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Postal Code: 518048  
Telephone: +86(0)755-33322000  
Fax: +86(0)755-33322001

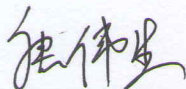
### 1.2. Testing Environment

Normal Temperature: 15°C-30°C  
Extreme Temperature: -20°C/+55°C  
Relative Humidity: 30%-60%

### 1.3. Project data

Project Leader: Zhang Bojun  
Test Engineer: Tang Weisheng  
Testing Start Date: Nov 18<sup>th</sup>, 2013  
Testing End Date: Feb 14<sup>th</sup>, 2014

### 1.4. Signature



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Tang Weisheng  
(Prepared this test report)



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Zhang Bojun  
(Reviewed this test report)



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Lu Minniu  
Director of the laboratory  
(Approved this test report)

## **2. Client Information**

### **2.1. Applicant Information**

Company Name: TCT Mobile Limited  
Address /Post: 5F, E building, No. 232, Liang Jing Road, ZhangJiang High-Tech  
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### **2.2. Manufacturer Information**

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Country: China  
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### **3. Equipment Under Test (EUT) and Ancillary Equipment (AE)**

#### **3.1. About EUT**

Description	CDMA Mobile phone
Model Name	ALCATEL C230, ALCATEL 3000C
Marketing Name	/
Frequency Band	ISM 2400MHz~2483.5MHz
Type of Modulation	GFSK/π/4 DQPSK/8DPSK
Number of Channels	79
FCC ID	RAD438

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

#### **3.2. Internal Identification of EUT used during the test**

<b>EUT ID*</b>	<b>SN or IMEI</b>	<b>HW Version</b>	<b>SW Version</b>
EUT1	/	PIO	V1.4

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

#### **3.3. Internal Identification of AE used during the test**

<b>AE ID*</b>	<b>Description</b>	<b>Type</b>	<b>SN</b>
AE1	Li-ion Battery	CAB22E0000C1	/
AE2	Travel Charger	CBA3002AG0C2	/
AE3	Travel Charger	CBA3002AG0C1	/

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



## 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.	Oct, 2012 Edition
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2009
FCC Public Notice DA 00-705	Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems	Mar, 2000

## 5. Laboratory Environment

**Half-anechoic chamber** (11.20 meters×6.10 meters×5.60 meters) did not exceed following limits:

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 2M Ω
Ground system resistance	< 0.5 Ω
Normalized Site Attenuation (NSA)	< ±3.5dB, with 3m of Measuring distance, 30MHz – 1000MHz
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

**Fully-anechoic chamber** (11.20 meters×6.10 meters×6.60 meters) did not exceed following limits:

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 2M Ω
Ground system resistance	< 0.5 Ω
VSWR	Between 0 and 6 dB, from 30MHz to 18 000 MHz

**Conduction Lab** did not exceed following limits:

Temperature	Min.=15 °C, Max.=30 °C
Relative humidity	Min.=30 %, Max.= 60 %
Shielding effectiveness	> 80 dB
Electrical insulation	> 2M Ω
Ground system resistance	< 0.5 Ω

## 6. Summary of Test Results

### 6.1. 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	P
4	Radiated Spurious Emission	15.247,15.205,15.209	P
5	Occupied 20dB bandwidth	15.247(a)	/
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
9	AC Powerline Conducted Emission	15.107,15.207	P

### 6.2. Statements

TMC has evaluated the test cases requested by the applicant/matrix as listed in section 6.1 of this report, for the EUT specified in section 3, according to the standards or reference documents listed in section 4.2

The hardware of the ALCATEL C230 and ALCATEL 3000C is the same. The only difference between these two models is that ALCATEL C230 has card slot but ALCATEL 3000C has not. The test bases on the model ALCATEL C230.

### 6.3. Terms used in the result table

Terms used in Verdict column

P	Pass
NA	Not Available
F	Fail

Abbreviations

AC	Alternating Current
BW	Band Width
ISM	Industrial, Scientific and Medical
RF	Radio Frequency

## 7. Test Equipments Utilized

### Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Vector Signal Analyzer	FSV40	100903	Rohde & Schwarz	2014-04-23	1 year
2	Bluetooth Tester	CBT32	100584	Rohde & Schwarz	2015-01-11	1 year

### Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Chamber	FACT5-2.0	4166	ETS-Lindgren	2016-05-29	3 years
2	Test Receiver	ESCI	100701	Rohde & Schwarz	2014-07-31	1 year
3	Spectrum Analyzer	FSP40	100378	Rohde & Schwarz	2014-12-20	1 year
4	BiLog Antenna	VULB9163	9163-330	Schwarzbeck	2014-02-24	3 years
5	Dual-Ridge Waveguide Horn Antenna	3164-05	00085724	ETS-Lindgren	2014-02-17	3 years
6	Test Receiver	ESCI	100702	Rohde & Schwarz	2014-07-31	1 year
7	LISN	ESH2-Z5	100196	Rohde & Schwarz	2015-02-22	1 year
8	Signal Generator	SMR40	100541	Rohde & Schwarz	2015-01-09	1 year
9	Dual-Ridge Waveguide Horn Antenna	3117	00066577	ETS-Lindgren	2016-04-01	3 years
10	Loop Antenna	HLA6120	35779	TESEQ	2016-02-25	3 years
11	EMI Antenna	3160-09	00118383	ETS-Lindgren	2015-09-05	3 years

### Anechoic chamber

Fully anechoic chamber by ETS-Lindgren.

**ANNEX A: EUT photograph**



**Pic A-1 Mobile phone**



**Pic A-2 Mobile phone**



**Pic A-3 Battery**



**Pic A-4 Charger1**



Pic A-5 Charger2

## ANNEX B: MEASUREMENT RESULTS

### B.0 Antenna requirement

**Measurement Limit:**

Standard	Requirement
<p>FCC CRF Part 15.203</p>	<p>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.</p>

**Conclusion: The Directional gains of antenna used for transmitting is -0.3 dBi.  
The RF transmitter uses an integrate antenna without connector.**



## B.1 Maximum Peak Output Power

### Measurement Limit:

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

### Test Condition:

Hopping Mode	RBW	VBW	SPAN	Sweptime
Hopping off	3MHz	3MHz	10MHz	Auto

### Measurement Results:

Mode	Test Result (dBm)		
	2402MHz (Ch0)	2441MHz (Ch39)	2480 MHz (Ch78)
GFSK	1.44	1.28	1.33
$\pi/4$ DQPSK	2.62	2.44	2.50
8DPSK	2.48	2.31	2.40

**Conclusion: Pass**

## B.2 Band Edges Compliance

### Measurement Limit:

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

### Measurement Result:

Mode	Channel	Hopping	Test Results	Conclusion
GFSK	0	ON	Fig.1	P
	78	ON	Fig.2	P
$\pi/4$ DQPSK	0	ON	Fig.3	P
	78	ON	Fig.4	P
8DPSK	0	ON	Fig.5	P
	78	ON	Fig.6	P

Mode	Channel	Hopping	Test Results	Conclusion
GFSK	0	OFF	Fig.7	P
	78	OFF	Fig.8	P
$\pi/4$ DQPSK	0	OFF	Fig.9	P
	78	OFF	Fig.10	P
8DPSK	0	OFF	Fig.11	P
	78	OFF	Fig.12	P

See ANNEX C for test graphs.

**Conclusion: Pass**

### B.3 Conducted Emission

**Measurement Limit:**

Standard	Limit
FCC 47 CFR Part 15.247 (d)	20dB below peak output power in 100 kHz bandwidth

**Measurement Results:**

MODE	Channel	Frequency Range	Test Results	Conclusion
GFSK	0	2.402 GHz	Fig.13	P
		30 MHz-3GHz	Fig.14	P
		3GHz-18GHz	Fig.15	P
	39	2.441 GHz	Fig.16	P
		30 MHz-3 GHz	Fig.17	P
		3GHz-18GHz	Fig.18	P
	78	2.480 GHz	Fig.19	P
		30 MHz-3GHz	Fig.20	P
		3GHz-18GHz	Fig.21	P
$\pi/4$ DQPSK	0	2.402 GHz	Fig.22	P
		30 MHz-3 GHz	Fig.23	P
		3GHz-18GHz	Fig.24	P
	39	2.441 GHz	Fig.25	P
		30 MHz-3GHz	Fig.26	P
		3GHz-18Ghz	Fig.27	P
	78	2.480 GHz	Fig.28	P
		30 MHz-3GHz	Fig.29	P
		3GHz-18Ghz	Fig.30	P
8DPSK	0	2.402 GHz	Fig.31	P
		30 MHz-3GHz	Fig.32	P
		3GHz-18GHz	Fig.33	P
	39	2.441 GHz	Fig.34	P
		30 MHz-3GHz	Fig.35	P
		3GHz-18GHz	Fig.36	P
	78	2.480 GHz	Fig.37	P
		30 MHz-3GHz	Fig.38	P
		3GHz-18GHz	Fig.39	P
/	All channel	18GHz-26GHz	Fig.40	P

See ANNEX C for test graphs.

**Conclusion: Pass**

## B.4 Radiated Emission

### 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( $\mu$ V/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	100kHz/300kHz	5
1000-4000	1MHz/1MHz	15
4000-18000	1MHz/1MHz	40
18000-26500	1MHz/1MHz	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.

**Measurement Results:**

Mode	Channel	Frequency Range	Test Results	Conclusion
GFSK	0	30 MHz ~1 GHz	Fig.41	P
		1 GHz ~ 3 GHz	Fig.42	P
		3 GHz ~ 18 GHz	Fig.43	P
	39	30 MHz ~1 GHz	Fig.44	P
		1 GHz ~ 3 GHz	Fig.45	P
		3 GHz ~ 18 GHz	Fig.46	P
	78	30 MHz ~1 GHz	Fig.47	P
		1 GHz ~ 3 GHz	Fig.48	P
		3 GHz ~ 18 GHz	Fig.49	P
		Power(CH0)	2.38 GHz ~ 2.45 GHz	Fig.50
	Power(CH78)	2.45 GHz ~ 2.5 GHz	Fig.51	P
$\pi/4$ DQPSK	0	30 MHz ~1 GHz	Fig.52	P
		1 GHz ~ 3 GHz	Fig.53	P
		3 GHz ~ 18 GHz	Fig.54	P
	39	30 MHz ~1 GHz	Fig.55	P
		1 GHz ~ 3 GHz	Fig.56	P
		3 GHz ~ 18 GHz	Fig.57	P
	78	30 MHz ~1 GHz	Fig.58	P
		1 GHz ~ 3 GHz	Fig.59	P
		3 GHz ~ 18 GHz	Fig.60	P
		Power(CH0)	2.38 GHz ~ 2.45 GHz	Fig.61
	Power(CH78)	2.45 GHz ~ 2.5 GHz	Fig.62	P
8DPSK	0	30 MHz ~1 GHz	Fig.63	P
		1 GHz ~ 3 GHz	Fig.64	P
		3 GHz ~ 18 GHz	Fig.65	P
	39	30 MHz ~1 GHz	Fig.66	P
		1 GHz ~ 3 GHz	Fig.67	P
		3 GHz ~ 18 GHz	Fig.68	P
	78	30 MHz ~1 GHz	Fig.69	P
		1 GHz ~ 3 GHz	Fig.70	P
		3 GHz ~ 18 GHz	Fig.71	P
		Power(CH0)	2.38 GHz ~ 2.45 GHz	Fig.72
	Power(CH78)	2.45 GHz ~ 2.5 GHz	Fig.73	P
/	All channels	18 GHz~ 26.5 GHz	Fig.74	P

**GFSK CH0 (1-18GHz)**

Frequency (MHz)	Average -ClearW	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
10569.000	39.7	V	10.1	14.3	54.0
13678.000	43.8	V	11.5	10.2	54.0
15740.000	47.4	V	13.3	6.6	54.0
16199.000	47.8	H	13.7	6.2	54.0
16751.000	48.3	H	14.3	5.7	54.0
17281.000	47.9	V	14.3	6.1	54.0

**GFSK CH0 (1-18GHz)**

Frequency (MHz)	MaxPeak-Clear	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
16723.000	58.9	V	14.2	15.1	74.0
16764.000	58.6	V	14.3	15.4	74.0
16807.000	59.2	V	14.3	14.8	74.0
16839.000	58.8	V	14.3	15.2	74.0
17865.000	59.2	H	14.5	14.8	74.0
17886.000	58.4	H	14.5	15.6	74.0

**GFSK CH39 (1-18GHz)**

Frequency (MHz)	Average -ClearW	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
10513.000	39.9	H	10.1	14.1	54.0
13627.000	43.7	H	11.5	10.3	54.0
15087.000	45.8	H	12.5	8.2	54.0
15763.000	47.2	V	13.3	6.8	54.0
16219.000	47.3	V	13.7	6.7	54.0
16790.000	47.7	H	14.3	6.3	54.0

**GFSK CH39 (1-18GHz)**

Frequency (MHz)	MaxPeak-Clear	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
16722.000	58.7	V	14.2	15.3	74.0
16778.000	58.4	V	14.3	15.6	74.0
16786.000	58.7	H	14.3	15.3	74.0
16815.000	58.7	V	14.3	15.3	74.0
17864.000	58.5	H	14.5	15.5	74.0
17962.000	58.4	V	14.6	15.6	74.0

**GFSK CH78 (1-18GHz)**

Frequency (MHz)	Average-ClearW	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
10556.000	39.9	H	10.1	14.1	54.0
13608.000	43.6	V	11.4	10.4	54.0
15768.000	47.1	H	13.3	6.9	54.0
16215.000	47.0	H	13.7	7.0	54.0
16815.000	47.4	H	14.3	6.6	54.0
17376.000	47.4	H	14.5	6.6	54.0

**GFSK CH78 (1-18GHz)**

Frequency (MHz)	MaxPeak-Clear	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
16708.000	58.3	H	14.2	15.7	74.0
16768.000	58.2	V	14.3	15.8	74.0
16785.000	58.2	H	14.3	15.8	74.0
16839.000	58.7	H	14.3	15.3	74.0
17341.000	58.2	V	14.4	15.8	74.0
17774.000	58.3	H	14.5	15.7	74.0

**$\pi/4$  DQPSK CH0 (1-18GHz)**

Frequency (MHz)	Average -ClearW	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
10511.000	40.0	H	10.1	14.0	54.0
13637.000	43.4	H	11.5	10.6	54.0
15777.000	46.8	H	13.3	7.2	54.0
16233.000	46.9	H	13.7	7.1	54.0
16826.000	47.3	V	14.3	6.7	54.0
17323.000	47.2	H	14.4	6.8	54.0

**$\pi/4$  DQPSK CH0 (1-18GHz)**

Frequency (MHz)	MaxPeak-Clear	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
15770.000	58.8	H	13.3	15.2	74.0
16627.000	58.2	H	14.2	15.8	74.0
16727.000	58.2	H	14.3	15.8	74.0
16770.000	57.9	H	14.3	16.1	74.0
16801.000	57.8	H	14.3	16.2	74.0
16888.000	58.0	H	14.3	16.0	74.0

**$\pi/4$  DQPSK CH39 (1-18GHz)**

Frequency (MHz)	Average -ClearW	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
13666.000	43.8	V	11.5	10.2	54.0
15111.0000	45.9	V	12.5	8.1	54.0
15691.000	47.3	H	13.1	6.7	54.0
16226.000	47.7	V	13.7	6.3	54.0
16773.000	48.2	H	14.3	5.8	54.0
17302.000	47.7	H	14.3	6.3	54.0



$\pi/4$  DQPSK CH39 (1-18GHz)

Frequency (MHz)	MaxPeak-Clear	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
16208.000	60.1	V	13.7	13.9	74.0
16247.000	58.8	H	13.7	15.2	74.0
16727.000	59.0	V	14.3	15.0	74.0
16743.000	58.8	H	14.3	15.2	74.0
16749.000	58.7	V	14.3	15.3	74.0
16779.000	59.4	V	14.3	14.6	74.0

$\pi/4$  DQPSK CH78 (1-18GHz)

Frequency (MHz)	Average-ClearW	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
13667.000	43.4	V	11.5	10.6	54.0
15139.000	45.6	H	12.5	8.4	54.0
15769.000	47.1	V	13.3	6.9	54.0
16207.000	47.2	H	13.7	6.8	54.0
16771.000	47.4	H	14.3	6.6	54.0
17319.000	47.2	H	14.4	6.8	54.0

$\pi/4$  DQPSK CH78 (1-18GHz)

Frequency (MHz)	MaxPeak-Clear	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
15806.000	58.1	H	13.3	15.9	74.0
15809.000	58.0	H	13.3	16.0	74.0
16079.000	57.9	H	13.7	16.1	74.0
16187.000	58.1	H	13.7	15.9	74.0
16324.000	58.1	H	13.9	15.9	74.0
16663.000	58.1	V	14.2	15.9	74.0

**8DPSK CH0 (1-18GHz)**

Frequency (MHz)	Average -ClearW	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
10513.000	40.2	H	10.1	13.8	54.0
13835.000	43.8	V	11.4	10.2	54.0
15704.000	47.1	V	13.2	6.9	54.0
16197.000	47.2	H	13.7	6.8	54.0
16768.000	47.7	V	14.3	6.3	54.0
17316.000	47.5	V	14.4	6.5	54.0

**8DPSK CH0 (1-18GHz)**

Frequency (MHz)	MaxPeak-Clear	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
16794.000	58.3	V	14.3	15.7	74.0
16851.000	58.5	H	14.3	15.5	74.0
17336.000	58.7	H	14.4	15.3	74.0
17362.000	58.2	H	14.5	15.8	74.0
17846.000	59.0	H	14.5	15.0	74.0
17887.000	58.2	V	14.5	15.8	74.0

**8DPSK CH39 (1-18GHz)**

Frequency (MHz)	Average -ClearW	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
15709.000	47.3	H	13.2	6.7	54.0
16217.000	47.8	H	13.7	6.2	54.0
16753.000	48.3	H	14.3	5.7	54.0
17327.000	47.9	V	14.4	6.1	54.0
17998.000	47.1	H	14.8	6.9	54.0
15169.000	45.9	V	12.5	8.1	54.0

**8DPSK CH39 (1-18GHz)**

Frequency (MHz)	MaxPeak-Clear	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
16634.0000	58.8	H	14.2	15.2	74.0
16746.0000	59.4	V	14.3	14.6	74.0
16777.0000	59.7	V	14.3	14.3	74.0
16823.0000	59.5	H	14.3	14.5	74.0
17352.0000	59.1	H	14.4	14.9	74.0
17379.0000	59.2	H	14.5	14.8	74.0

**8DPSK CH78 (1-18GHz)**

Frequency (MHz)	Average-ClearW	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
13616.0000	43.3	V	11.5	10.7	54.0
15137.0000	45.2	H	12.5	8.8	54.0
15759.0000	46.7	H	13.3	7.3	54.0
16206.0000	46.6	H	13.7	7.4	54.0
16812.0000	47.1	H	14.3	6.9	54.0
17411.0000	46.9	V	14.5	7.1	54.0

**8DPSK CH78 (1-18GHz)**

Frequency (MHz)	MaxPeak-Clear	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
15689.0000	58.1	H	13.1	15.9	74.0
16729.0000	58.5	H	14.3	15.5	74.0
17291.0000	58.3	H	14.3	15.7	74.0
17312.0000	58.7	V	14.4	15.3	74.0
17388.0000	58.0	H	14.5	16.0	74.0
17410.0000	58.0	H	14.5	16.0	74.0

See ANNEX C for test graphs.

**Conclusion: Pass**

### B.5 Occupied 20dB Bandwidth

**Measurement Limit:**

Standard	Limit (kHz)
FCC 47 CFR Part 15.247 (a)	/

**Measurement Result:**

Mode	Channel	Occupied 20dB Bandwidth ( MHz)		conclusion
		Fig.	Value	
GFSK	0	Fig.75	1.158	/
	39	Fig.76	1.136	
	78	Fig.77	1.151	
$\pi/4$ DQPSK	0	Fig.78	1.310	/
	39	Fig.79	1.310	
	78	Fig.80	1.317	
8DPSK	0	Fig.81	1.339	/
	39	Fig.82	1.331	
	78	Fig.83	1.331	

See ANNEX C for test graphs.

**Conclusion: PASS**

### B.6 Time of Occupancy (Dwell Time)

**Measurement Limit:**

Standard	Limit
FCC 47 CFR Part 15.247(a)	< 400 ms

**Measurement Results:**

Mode	Channel	Packet	Dwell Time(ms)		Conclusion
			Fig.	Value	
GFSK	39	DH5	Fig.84	226.1	<b>P</b>
			Fig.85		
$\pi/4$ DQPSK	39	2-DH5	Fig.86	197.1	<b>P</b>
			Fig.87		
8DPSK	39	3-DH5	Fig.88	179.7	<b>P</b>
			Fig.89		

See ANNEX C for test graphs.

**Conclusion: Pass**

## B.7 Number of Hopping Channels

### Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247(a)	At least 15 non-overlapping channels

### Measurement Results:

Mode	Channel	Packet	Number of hopping channels		Test result	Conclusion
GFSK	39	DH5	Fig.90	Fig.91	79	P
$\pi/4$ DQPSK	39	2-DH5	Fig.92	Fig.93	79	P
8DPSK	39	3-DH5	Fig.94	Fig.95	79	P

See ANNEX C for test graphs.

**Conclusion: Pass**

## B.8 Carrier Frequency Separation

### Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247(a)	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 (MHz)	Conclusion
GFSK	39	DH5	Fig.96	1.013	P
$\pi/4$ DQPSK	39	2-DH5	Fig.97	1.020	P
8DPSK	39	3-DH5	Fig.98	1.028	P

See ANNEX C for test graphs.

**Conclusion: Pass**

### B.9 AC Power line Conducted Emission

**Test Condition:**

Voltage (V)	Frequency (Hz)
120	60

**Measurement Result and limit:**

BT (Quasi-peak Limit)-AE2

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	66 to 56	Fig.99	Fig.100	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)-AE2

Frequency range (MHz)	Average-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	56 to 46	Fig.99	Fig.100	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.

BT (Quasi-peak Limit)-AE3

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	57 to 56	Fig.101	Fig.102	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)-AE3

Frequency range (MHz)	Average-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Traffic	Idle	
0.15 to 0.5	56 to 46	Fig.101	Fig.102	P
0.5 to 5	46			
5 to 30	50			

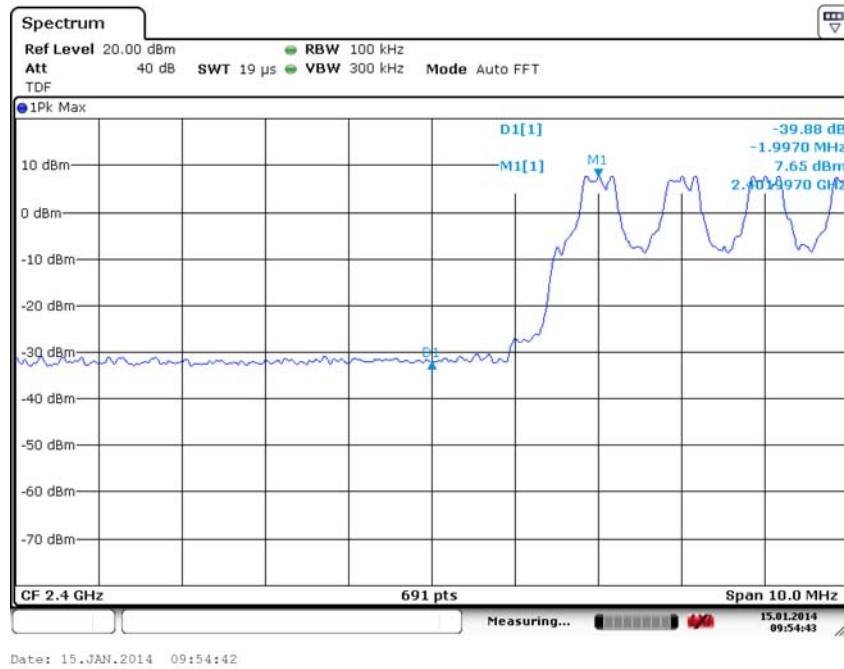
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

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

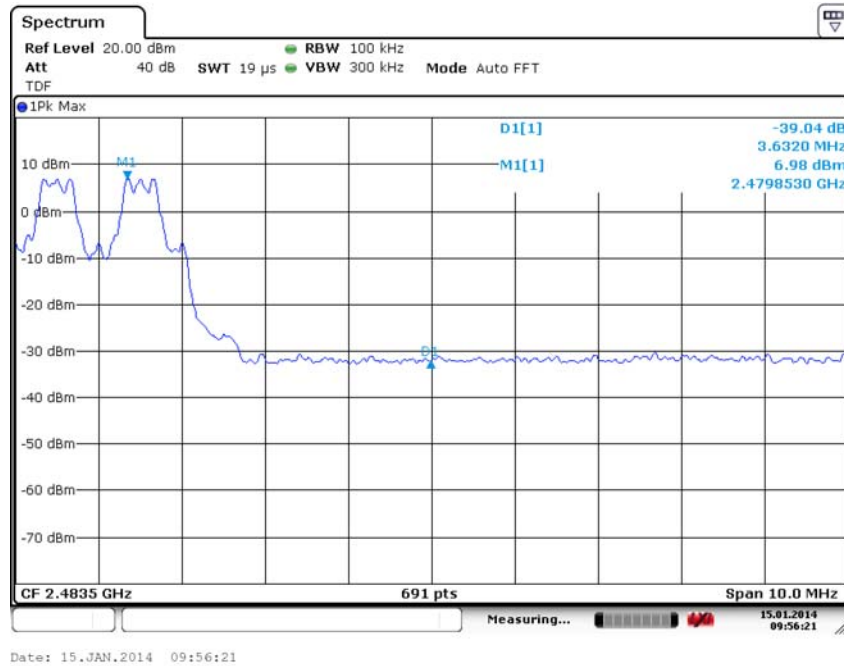
**See ANNEX C for test graphs.**

**Conclusion: Pass**

### ANNEX C: TEST FIGURE LIST

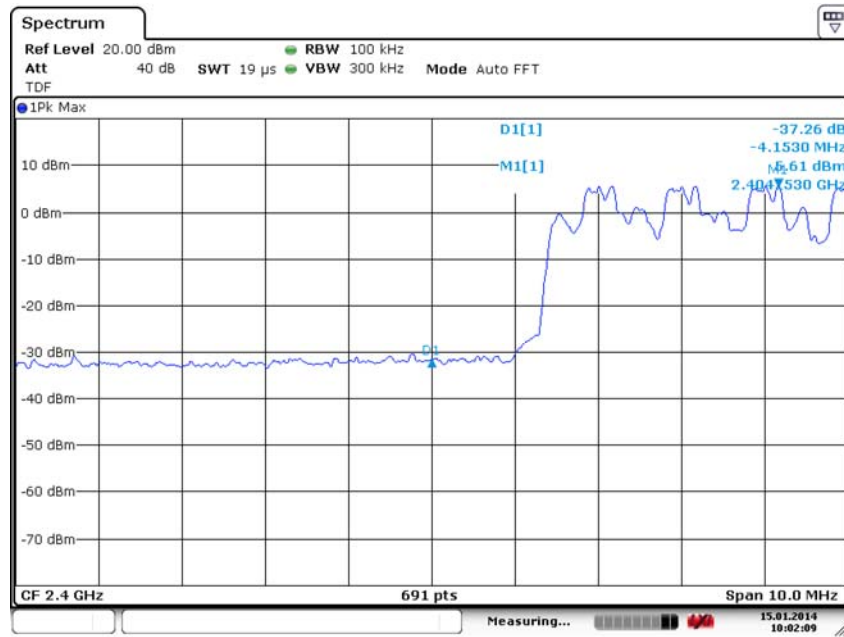


**Fig. 1 Band Edges (GFSK, Ch 0, Hopping ON)**



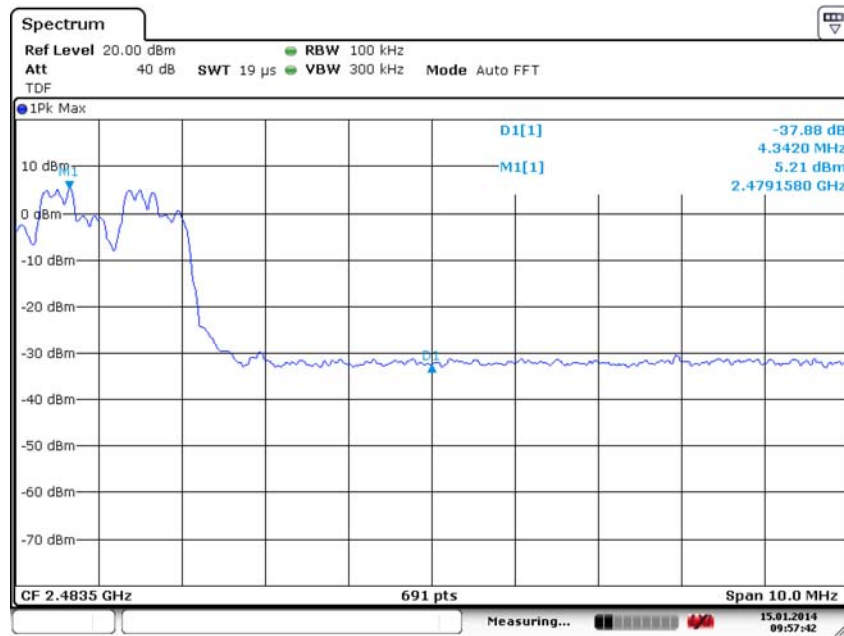
**Fig. 2 Band Edges (GFSK, Ch 78, Hopping ON)**





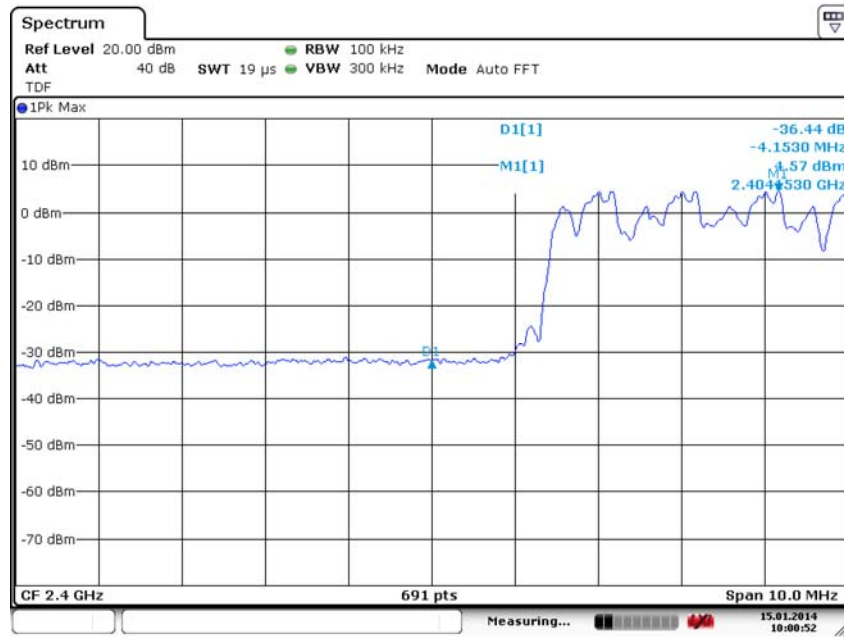
Date: 15.JAN.2014 10:02:09

**Fig. 3 Band Edges ( $\pi/4$  DQPSK, Ch 0, Hopping ON)**



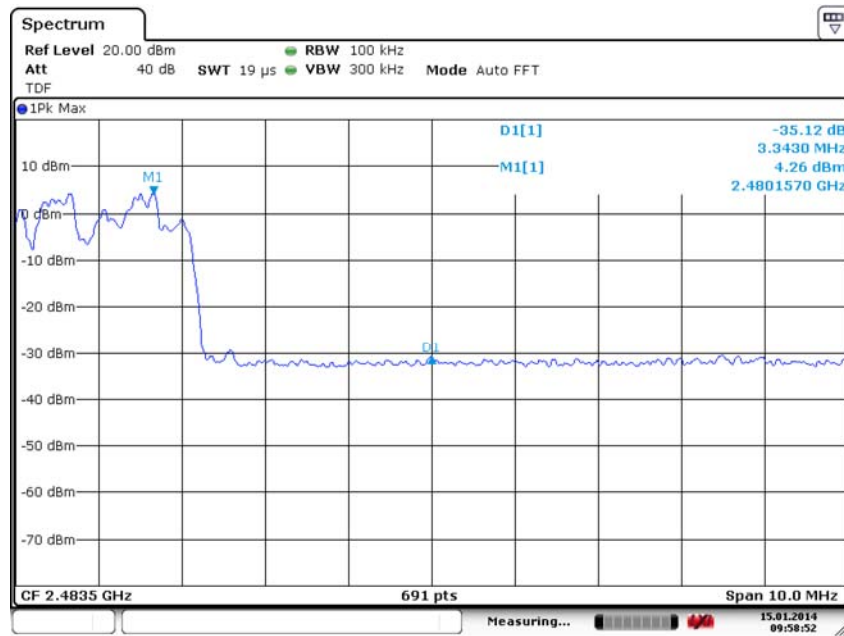
Date: 15.JAN.2014 09:57:42

**Fig. 4 Band Edges ( $\pi/4$  DQPSK, Ch 78, Hopping ON)**



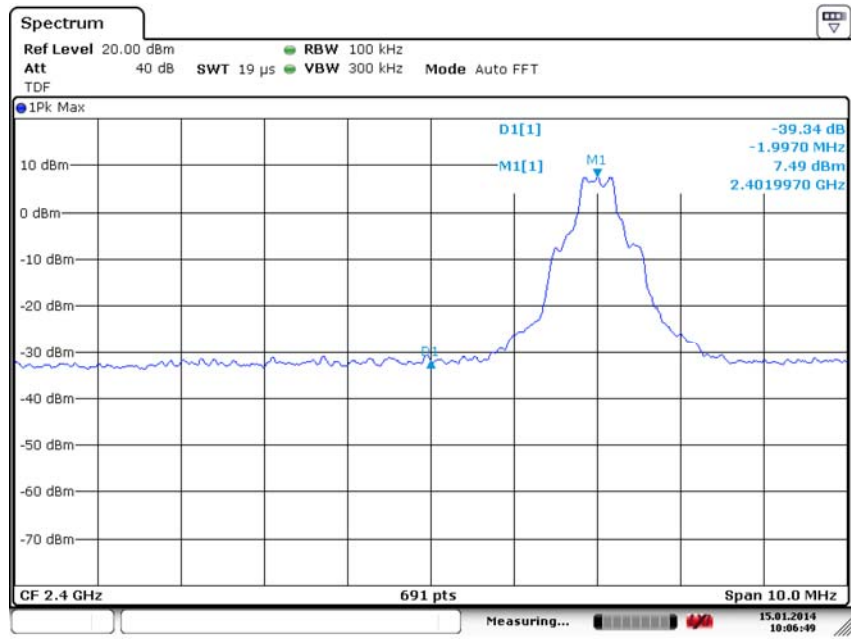
Date: 15.JAN.2014 10:00:52

**Fig. 5 Band Edges (8DPSK, Ch 0, Hopping ON)**



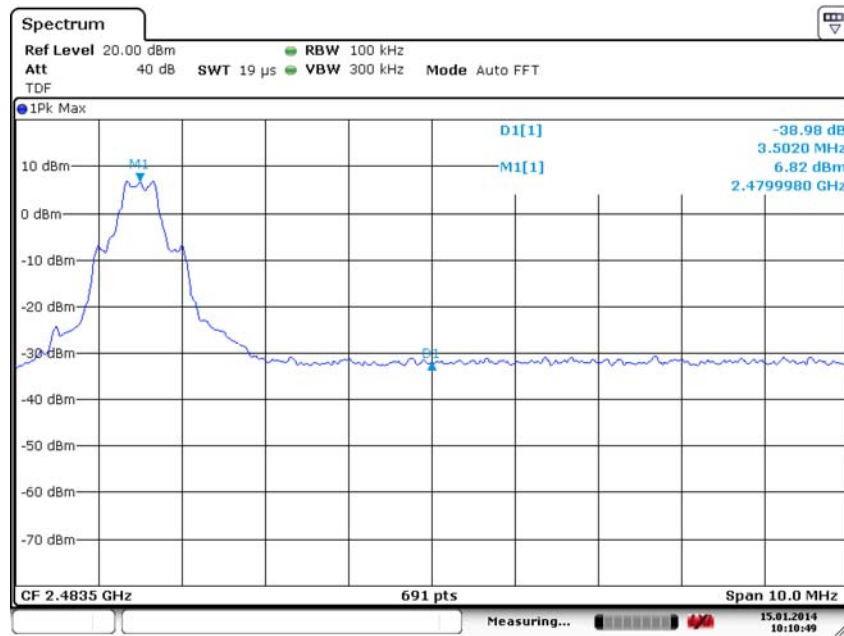
Date: 15.JAN.2014 09:58:52

**Fig. 6 Band Edges (8DPSK, Ch 78, Hopping ON)**



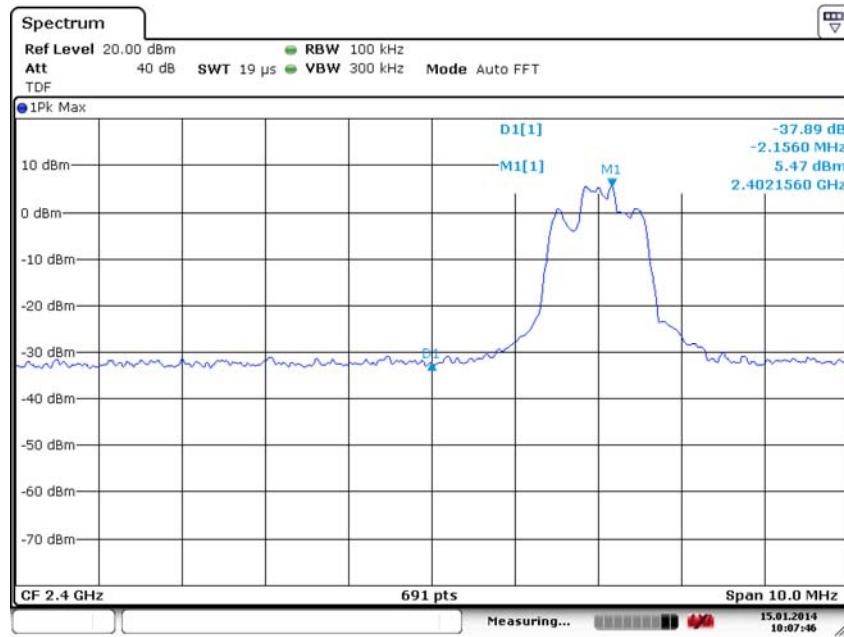
Date: 15.JAN.2014 10:06:49

**Fig. 7 Band Edges (GFSK, Ch 0, Hopping OFF)**



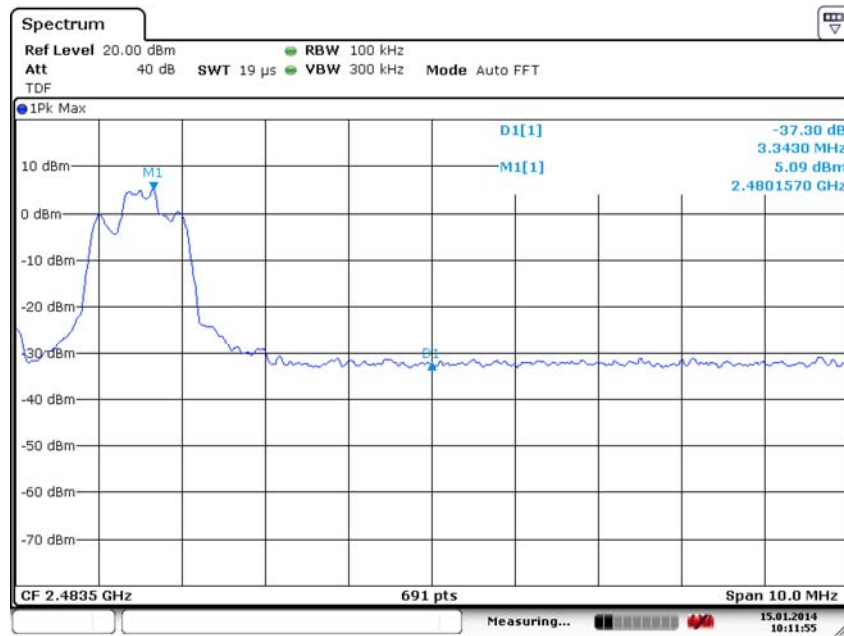
Date: 15.JAN.2014 10:10:49

**Fig. 8 Band Edges (GFSK, Ch 78, Hopping OFF)**



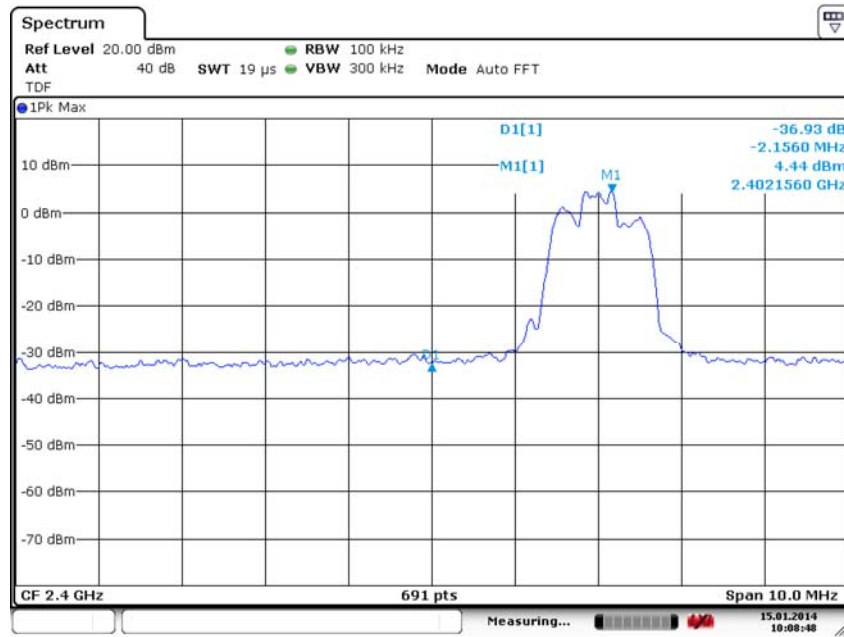
Date: 15.JAN.2014 10:07:46

**Fig. 9 Band Edges ( $\pi/4$  DQPSK, Ch 0, Hopping OFF)**



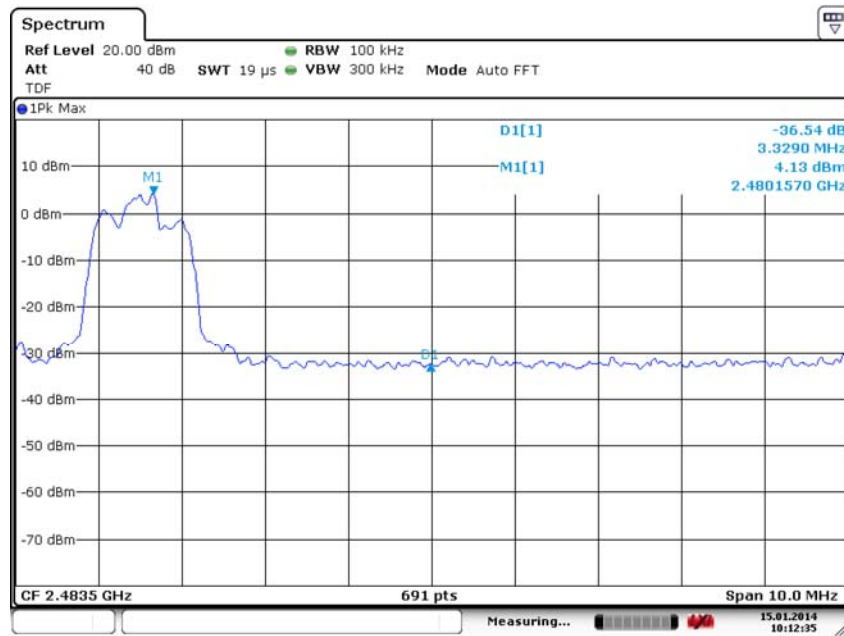
Date: 15.JAN.2014 10:11:55

**Fig. 10 Band Edges ( $\pi/4$  DQPSK, Ch 78, Hopping OFF)**



Date: 15.JAN.2014 10:08:48

**Fig. 11 Band Edges (8DPSK, Ch 0, Hopping OFF)**



Date: 15.JAN.2014 10:12:35

**Fig. 12 Band Edges (8DPSK, Ch 78, Hopping OFF)**

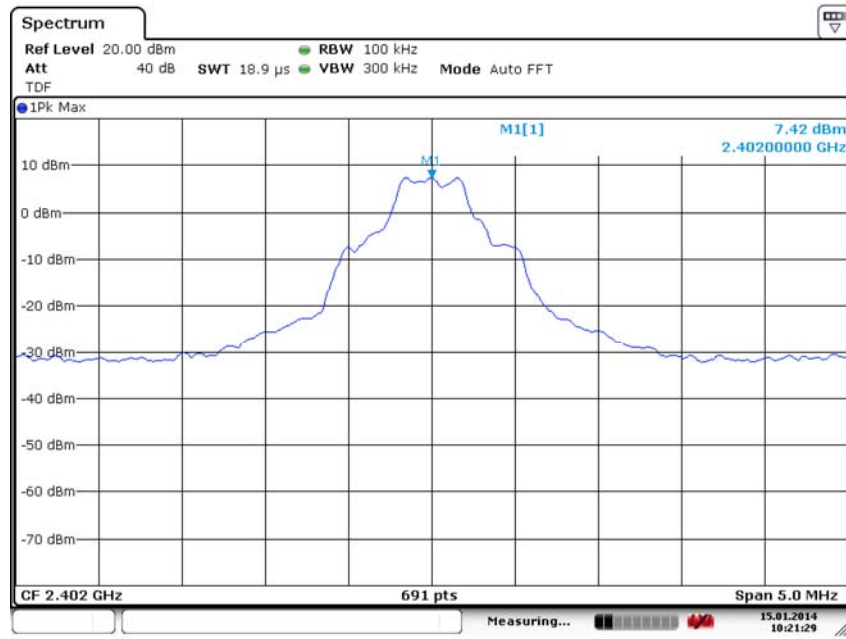


Fig. 13 Conducted Spurious Emission (GFSK, Ch0, 2.402GHz)

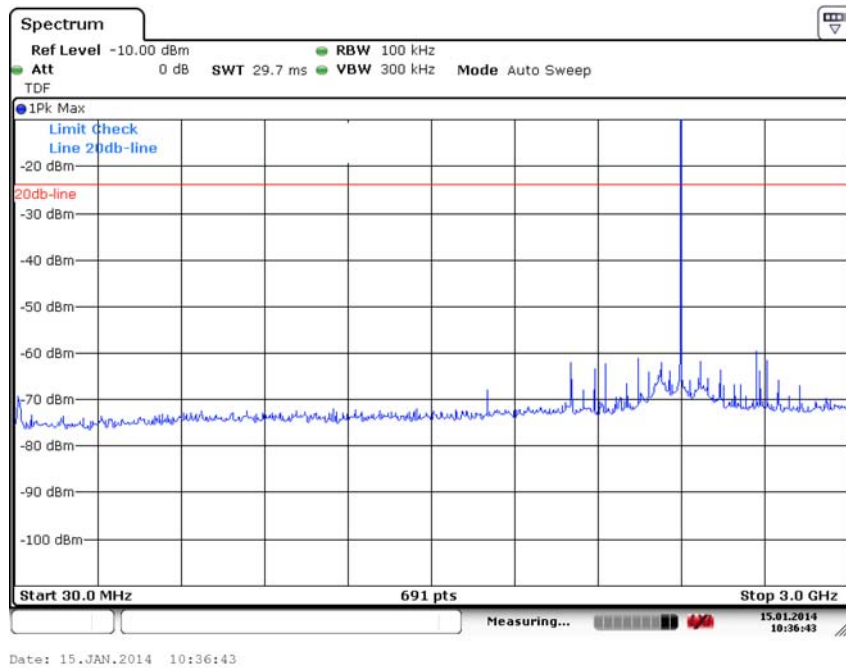


Fig. 14 Conducted Spurious Emission (GFSK, Ch0, 30 MHz-3 GHz)

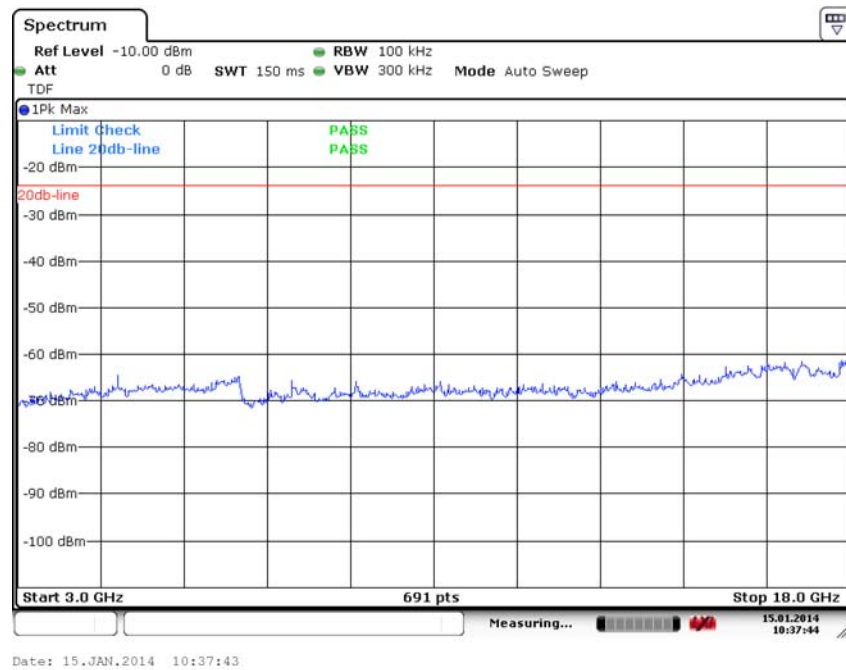


Fig. 15 Conducted Spurious Emission (GFSK, Ch0, 3GHz-18 GHz)

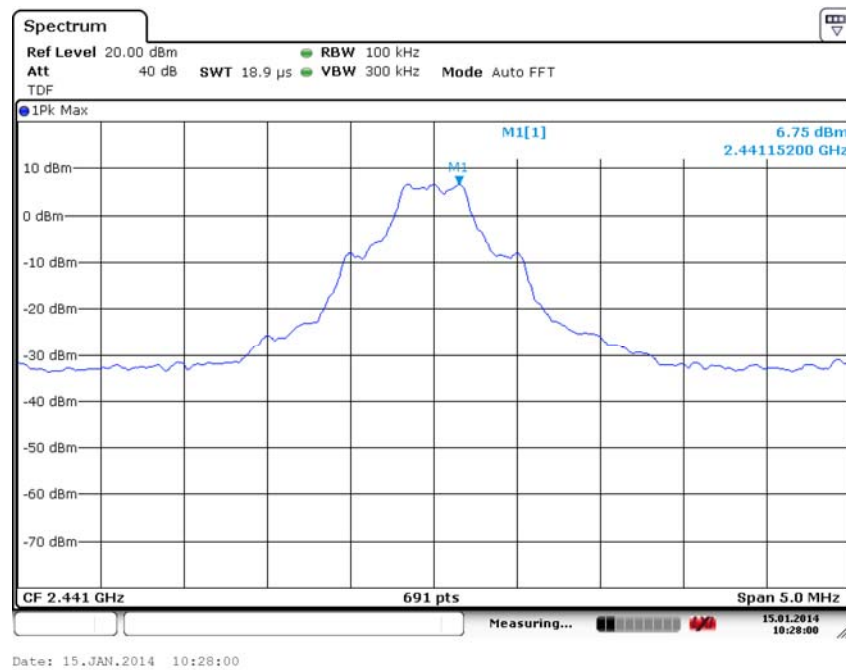
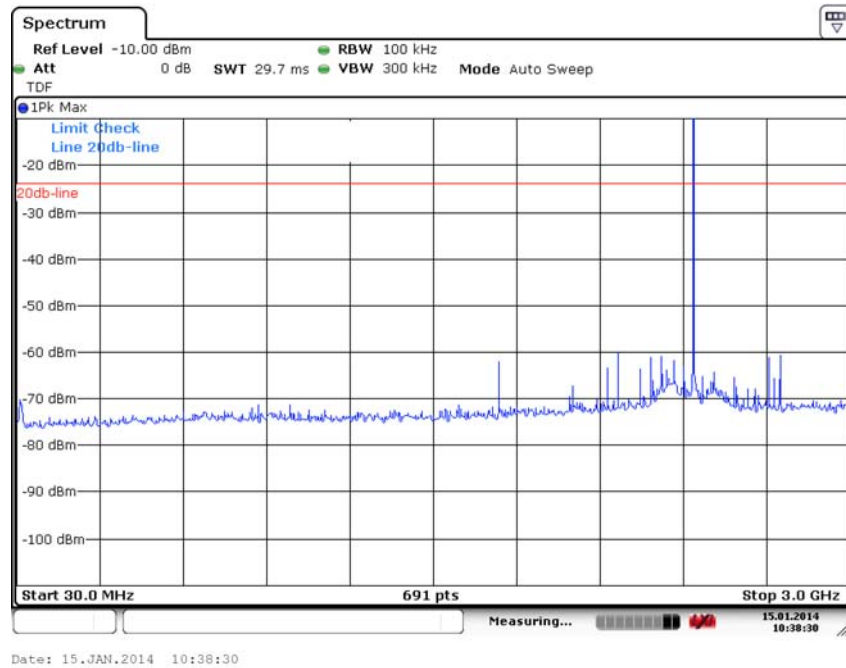
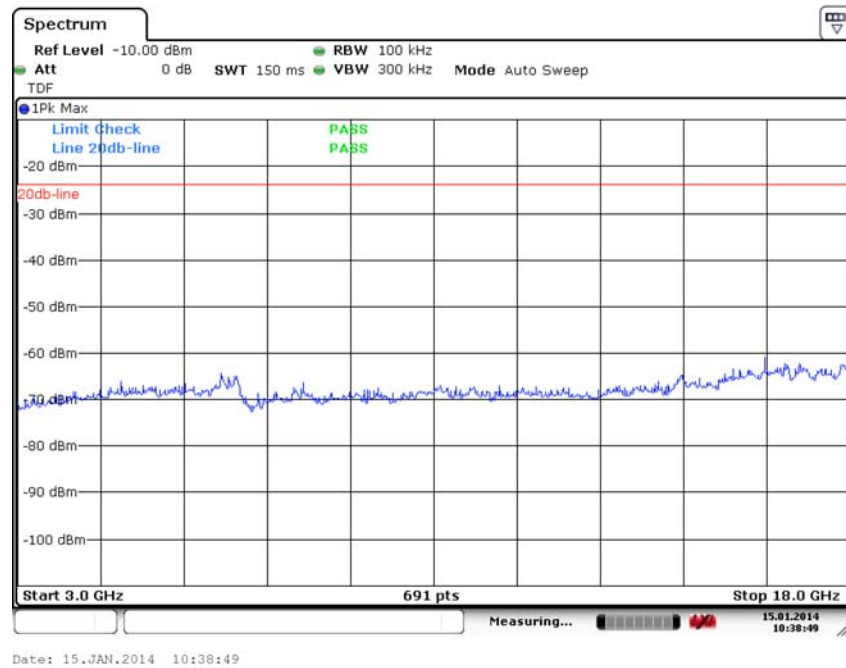


Fig. 16 Conducted Spurious Emission (GFSK, Ch39, 2.441GHz)



**Fig. 17 Conducted Spurious Emission (GFSK, Ch39, 30 MHz-3 GHz)**



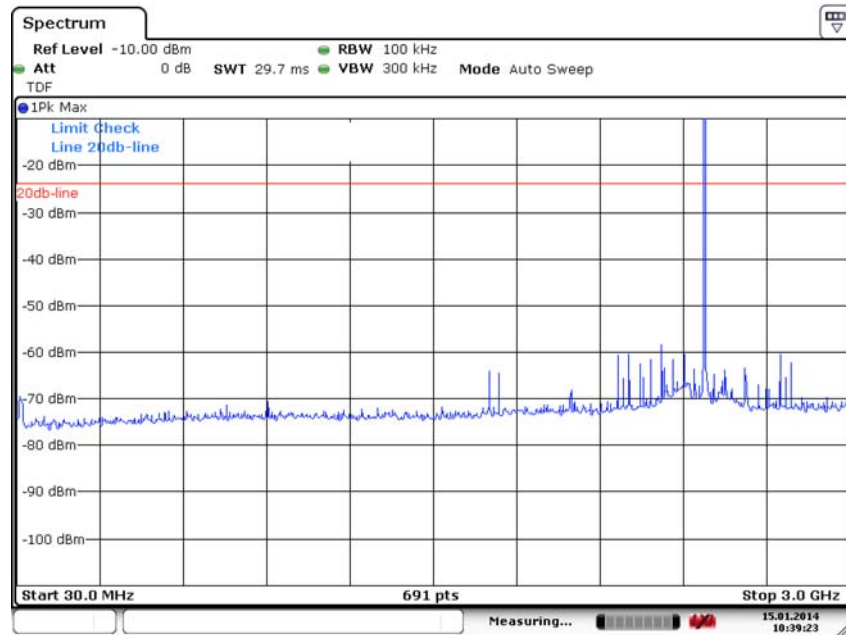
**Fig. 18 Conducted Spurious Emission (GFSK, Ch39, 3GHz-18 GHz)**





Date: 15.JAN.2014 10:28:42

Fig. 19 Conducted Spurious Emission (GFSK, Ch78, 2.480GHz)



Date: 15.JAN.2014 10:39:23

Fig. 20 Conducted Spurious Emission (GFSK, Ch78, 30 MHz-3 GHz)

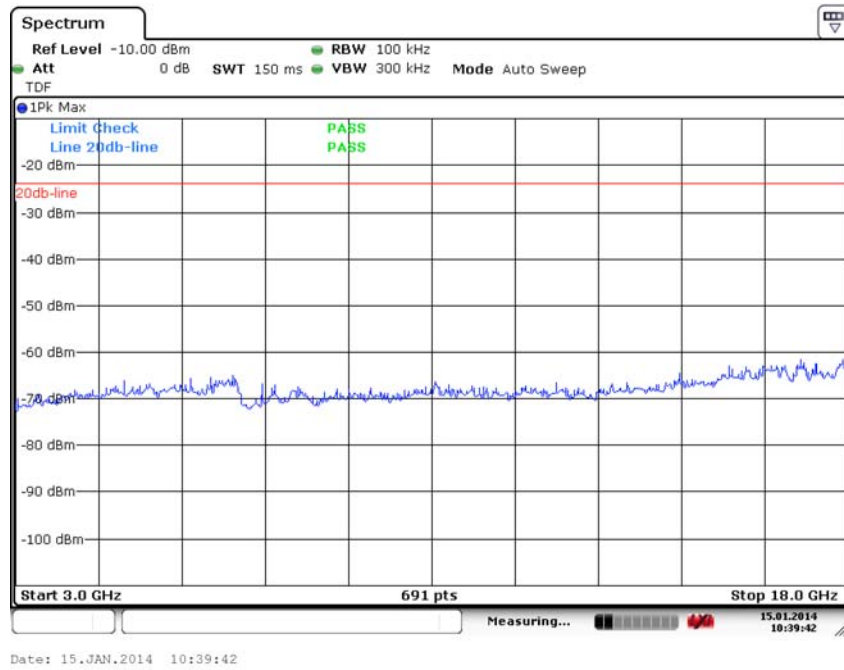


Fig. 21 Conducted Spurious Emission (GFSK, Ch78, 3GHz-18 GHz)

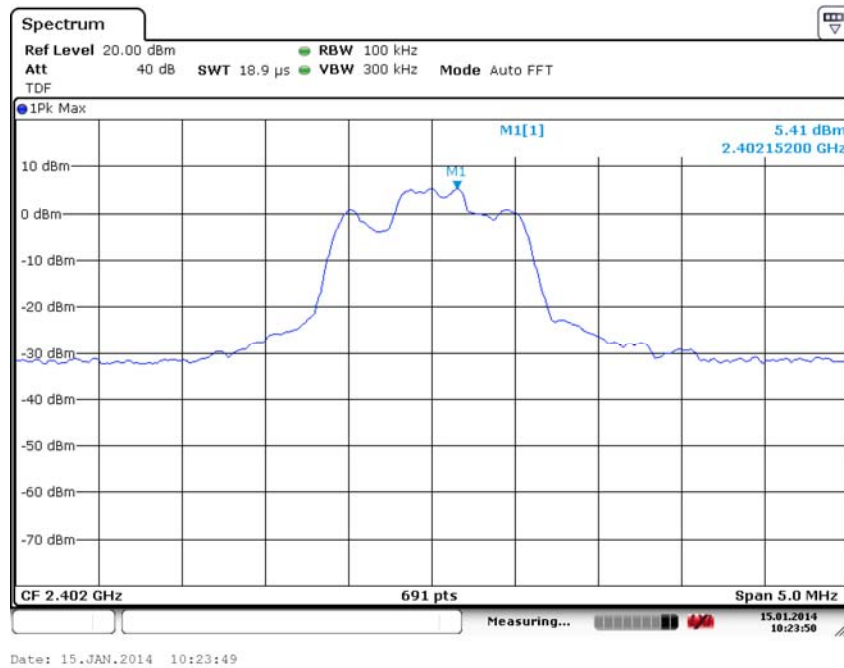
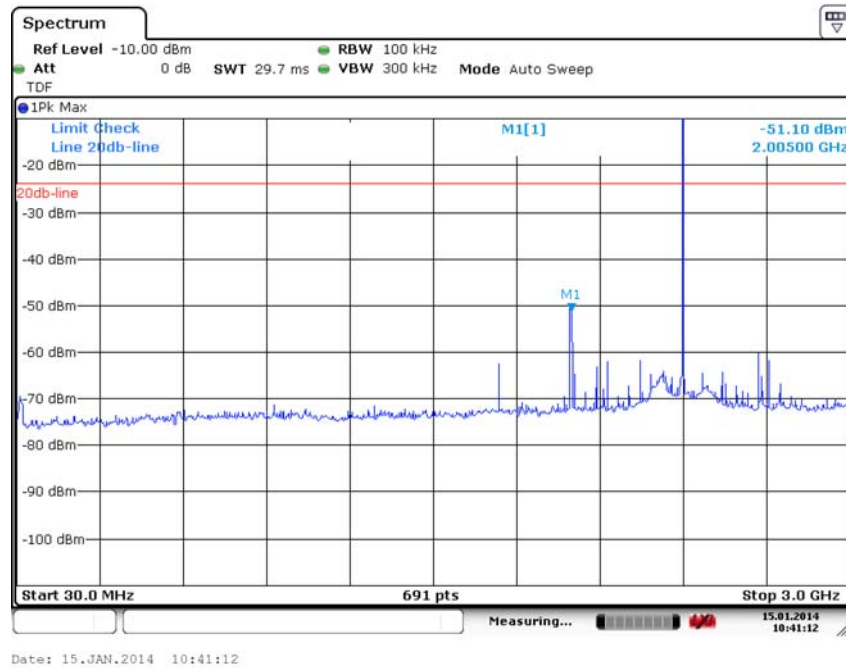
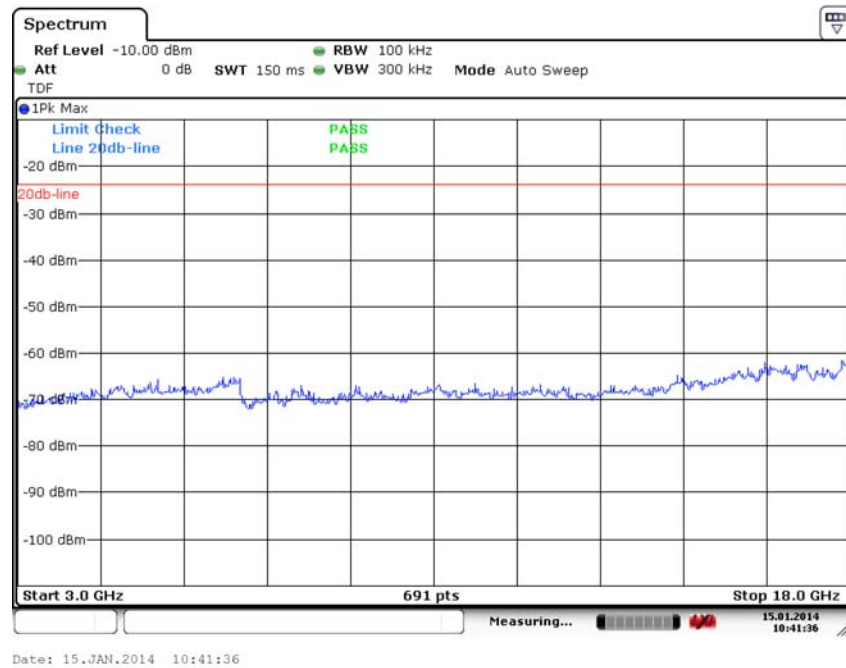


Fig. 22 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch0, 2.402GHz)



**Fig. 23 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch0, 30 MHz-3 GHz)**



**Fig. 24 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch0, 3GHz-18 GHz)**

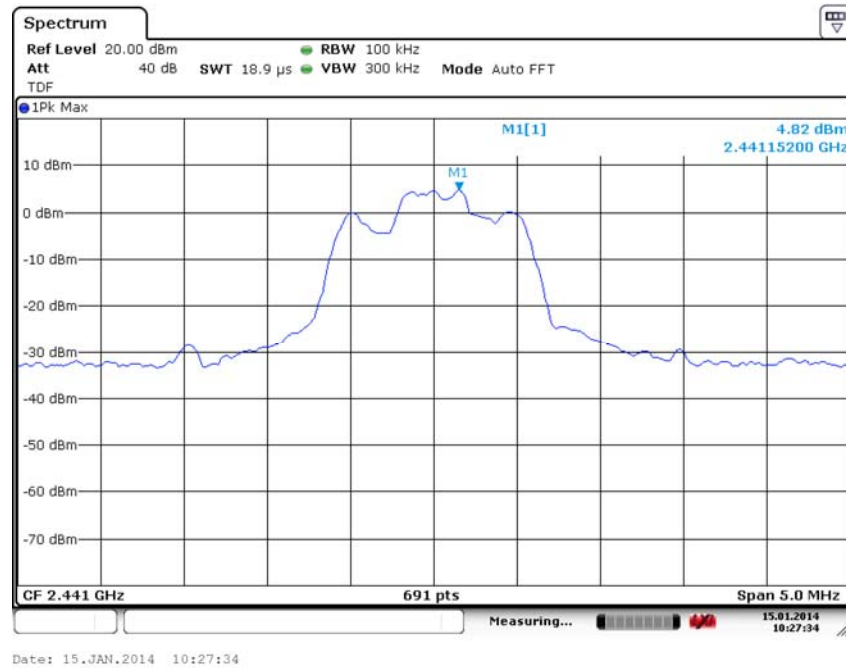


Fig. 25 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch39, 2.441GHz)

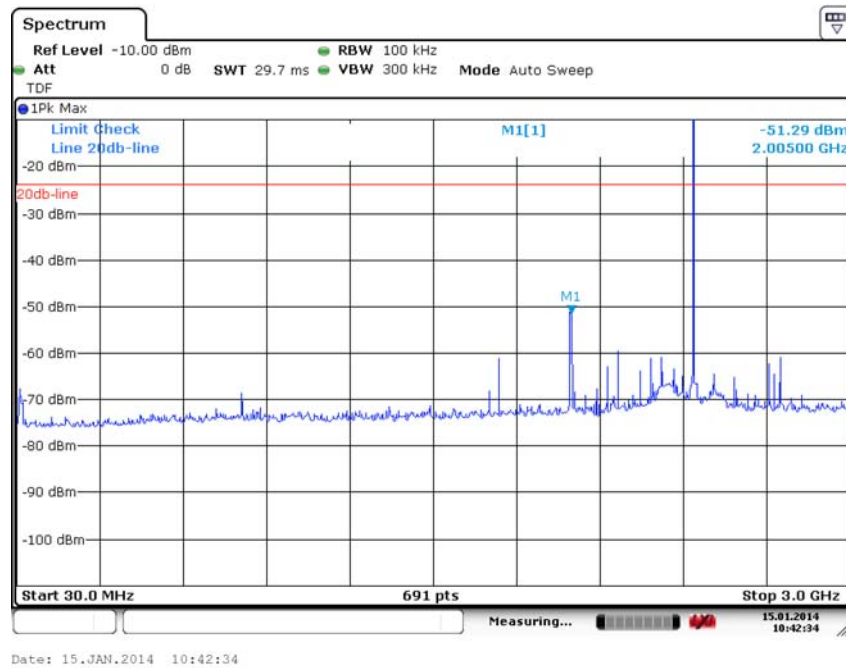


Fig. 26 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch39, 30 MHz-3 GHz)

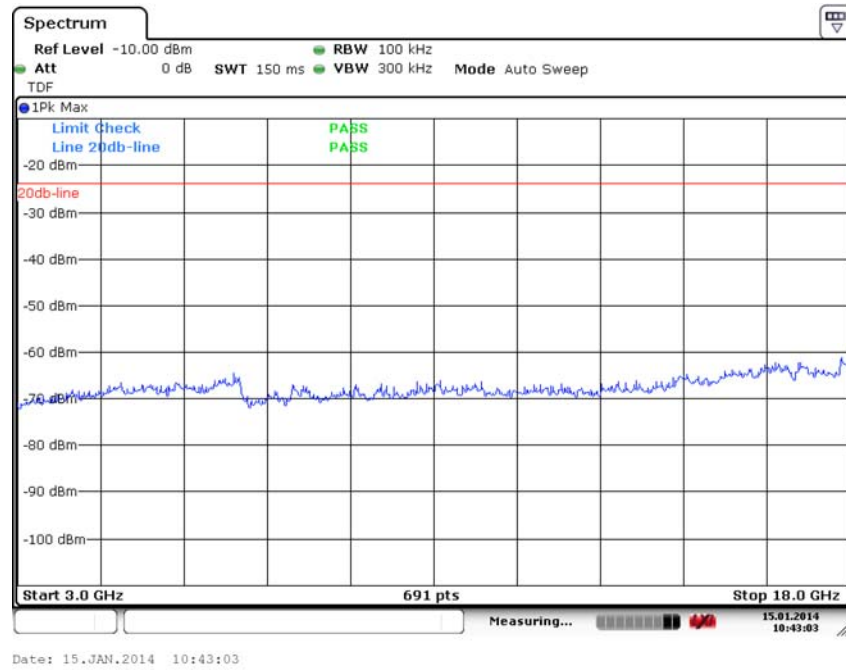


Fig. 27 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch39, 3GHz-18 GHz)

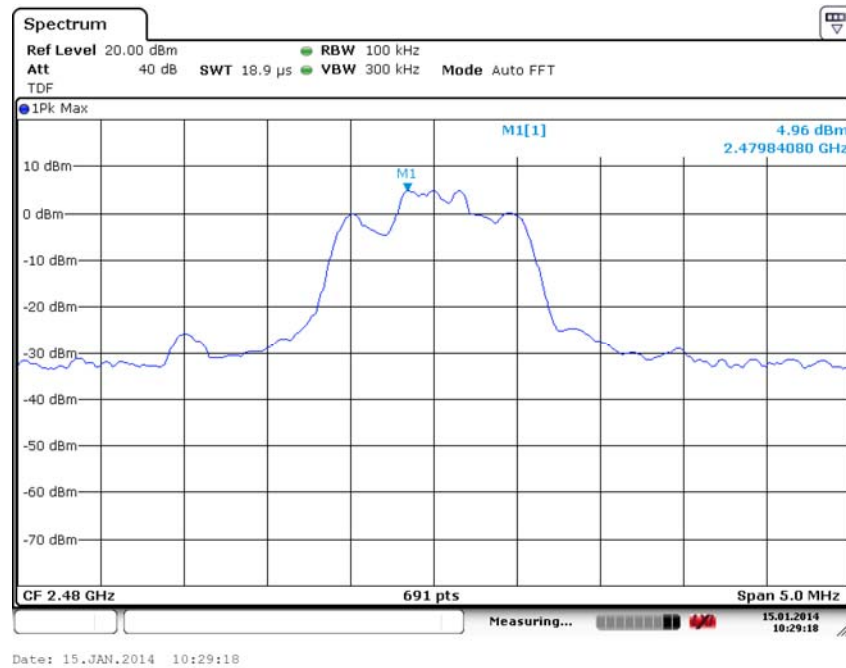


Fig. 28 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch78, 2.480GHz)

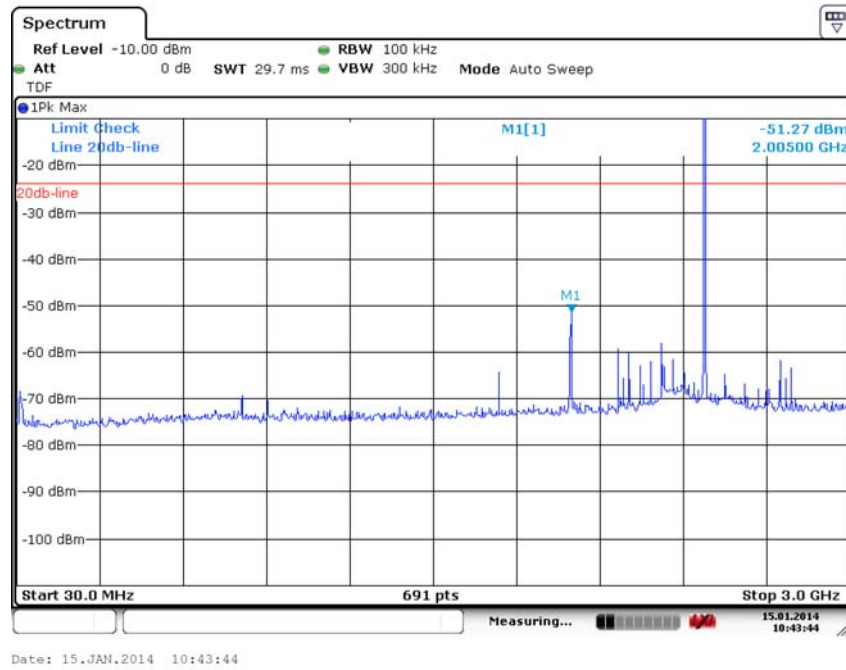


Fig. 29 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch78, 30 MHz-3 GHz)

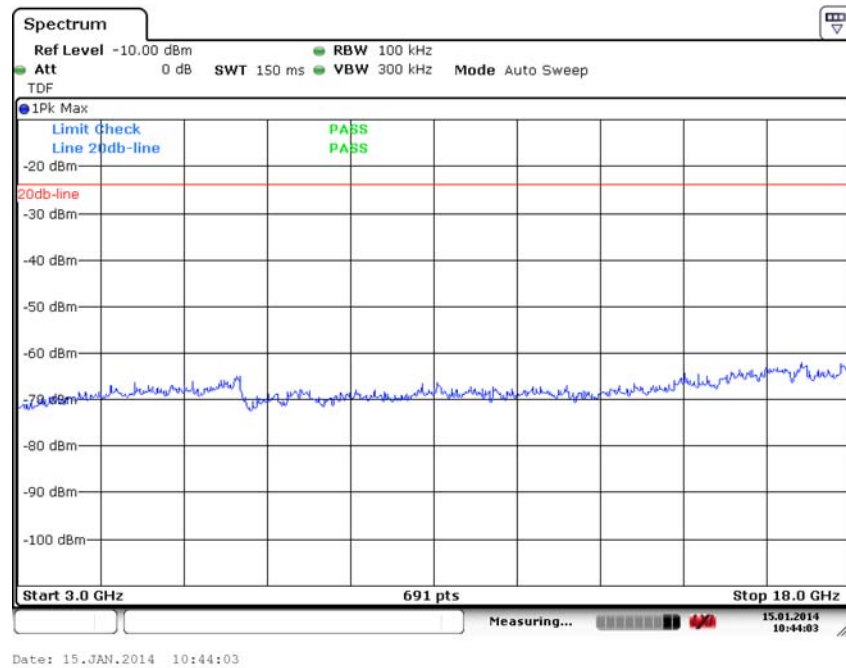


Fig. 30 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch78, 3GHz-18 GHz)

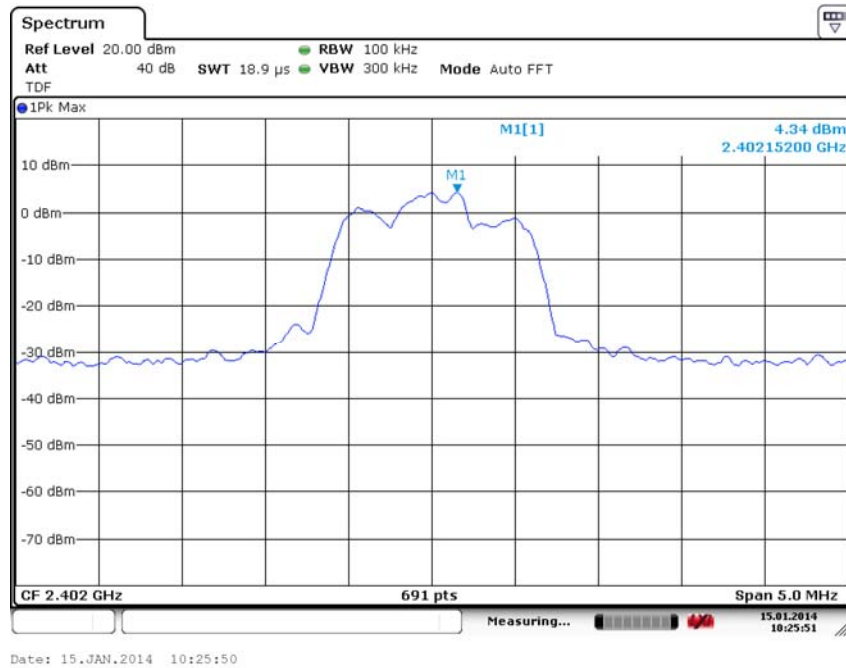


Fig. 31 Conducted Spurious Emission (8DPSK, Ch0, 2.402GHz)

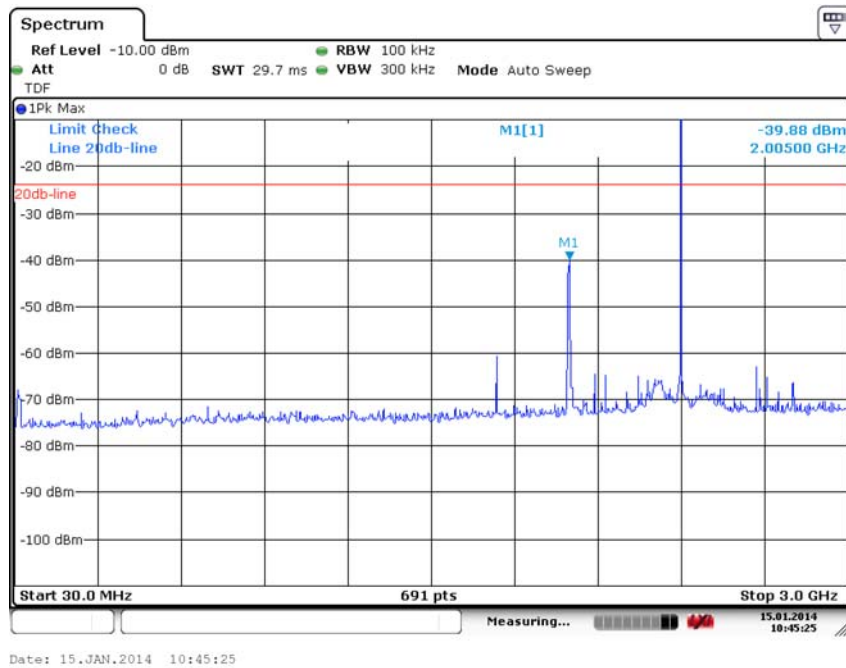


Fig. 32 Conducted Spurious Emission (8DPSK, Ch0, 30 MHz-3 GHz)

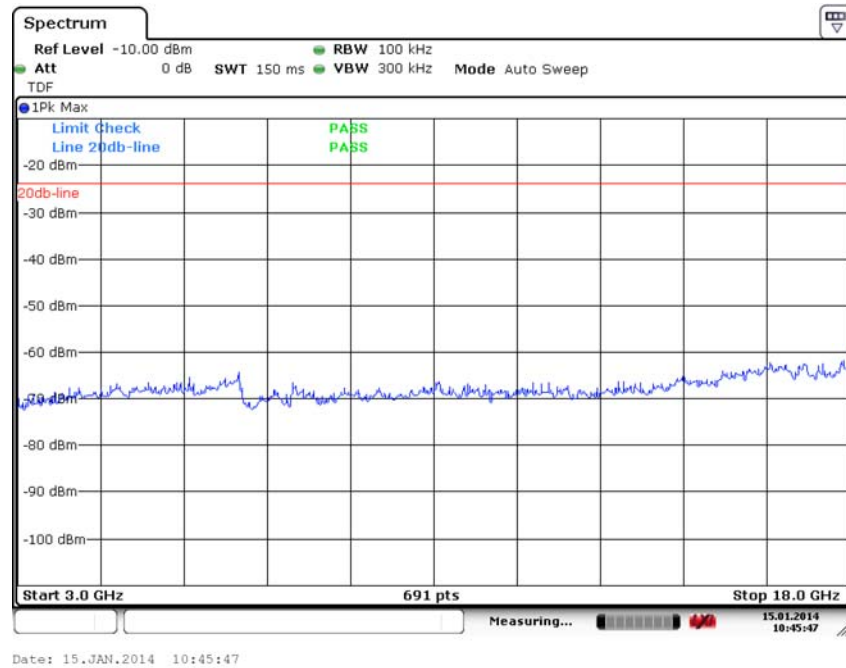


Fig. 33 Conducted Spurious Emission (8DPSK, Ch0, 3GHz-18 GHz)



Fig. 34 Conducted Spurious Emission (8DPSK, Ch39, 2.441GHz)



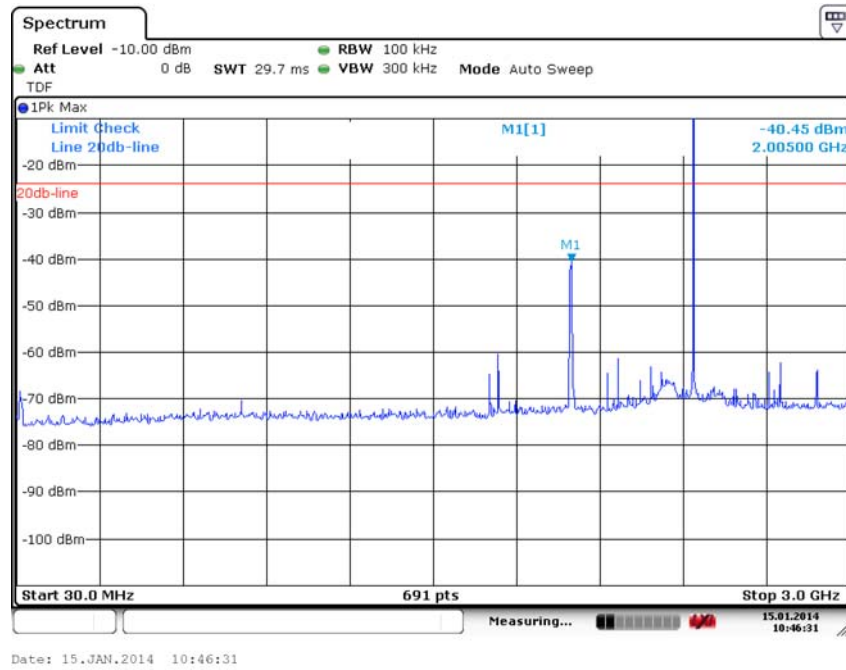


Fig. 35 Conducted Spurious Emission (8DPSK, Ch39, 30 MHz-3 GHz)

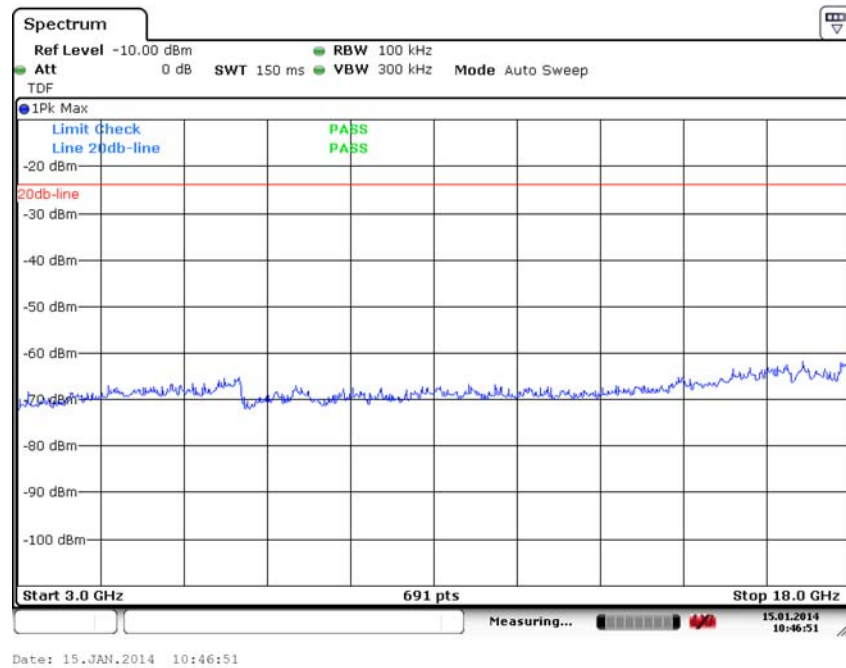


Fig. 36 Conducted Spurious Emission (8DPSK, Ch39, 3GHz-18 GHz)



Fig. 37 Conducted Spurious Emission (8DPSK, Ch78, 2.480GHz)

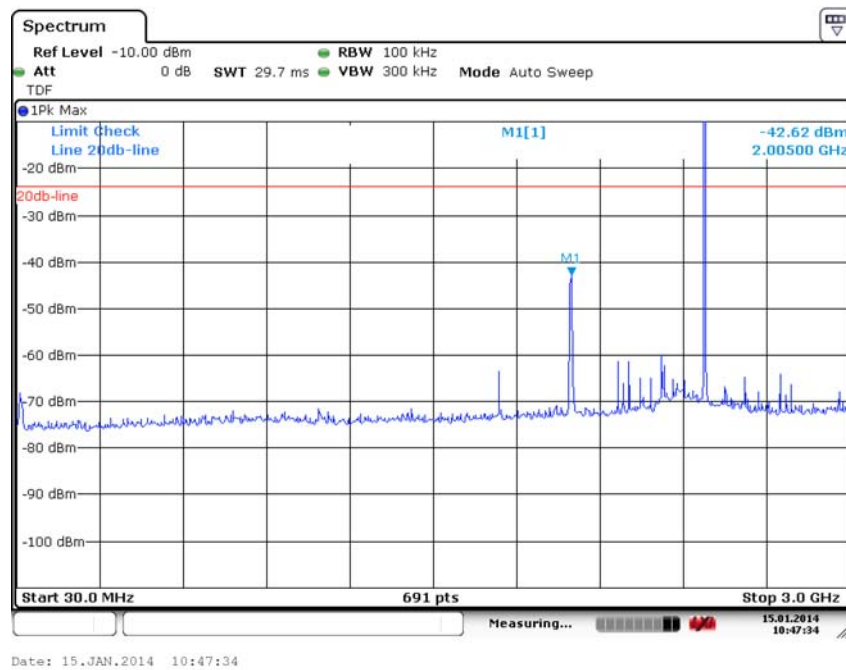


Fig. 38 Conducted Spurious Emission (8DPSK, Ch78, 30 MHz-3 GHz)

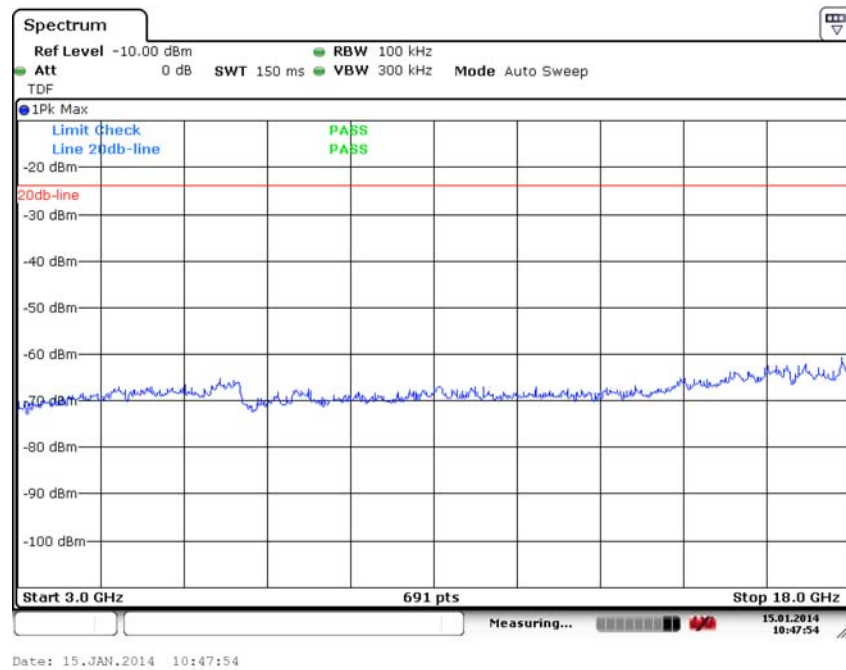


Fig. 39 Conducted Spurious Emission (8DPSK, Ch78, 3GHz-18 GHz)

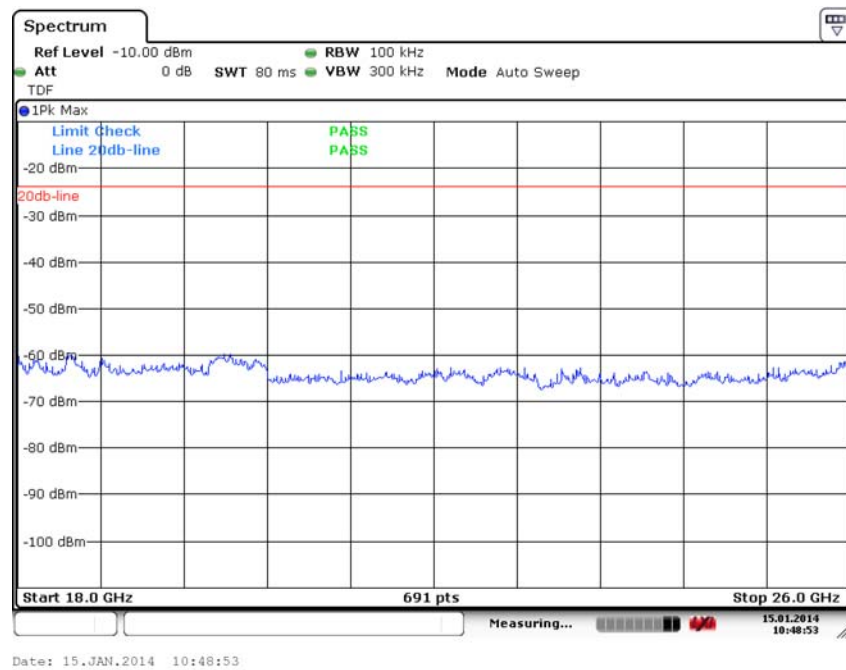
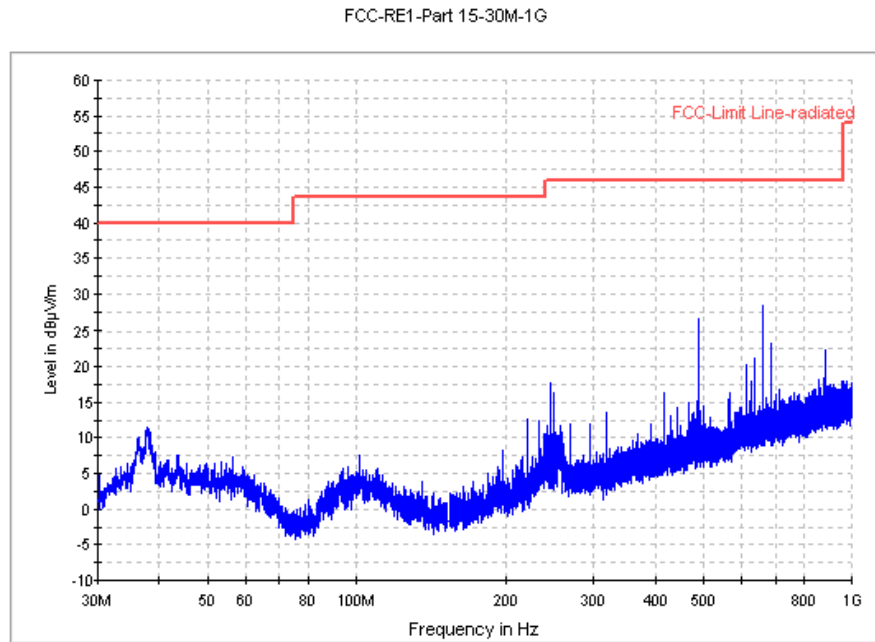
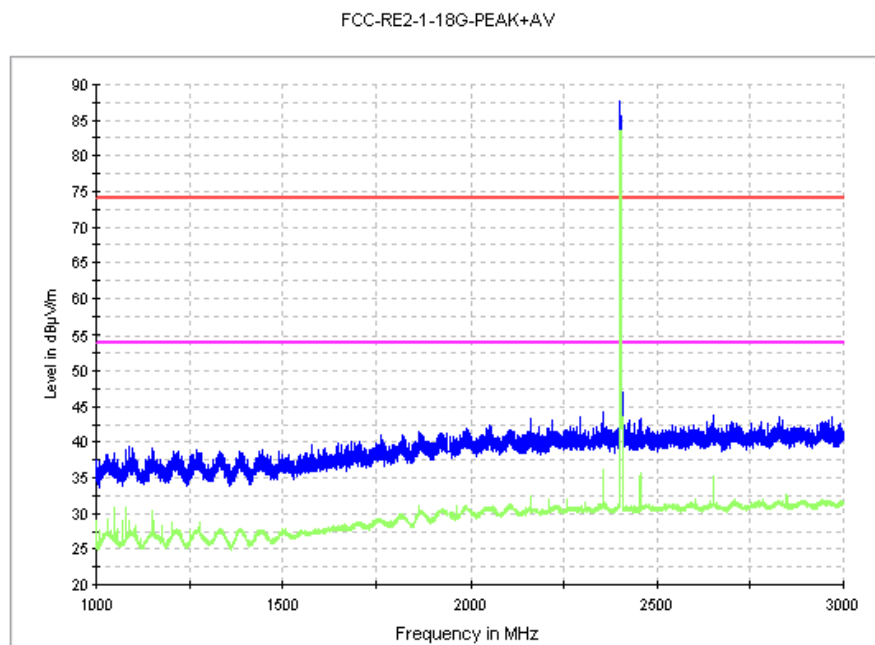


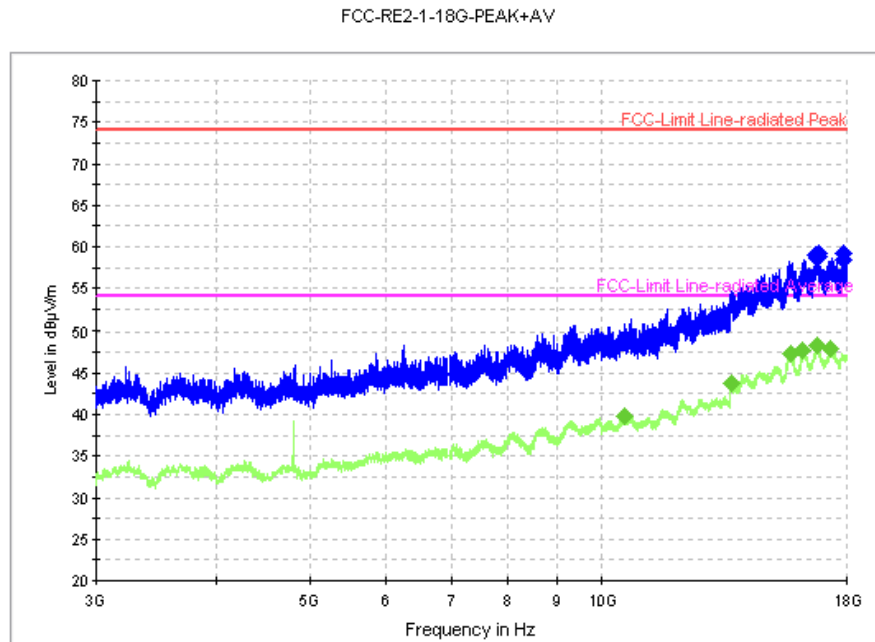
Fig. 40 Conducted Spurious Emission (All channel, 18 GHz-26 GHz)



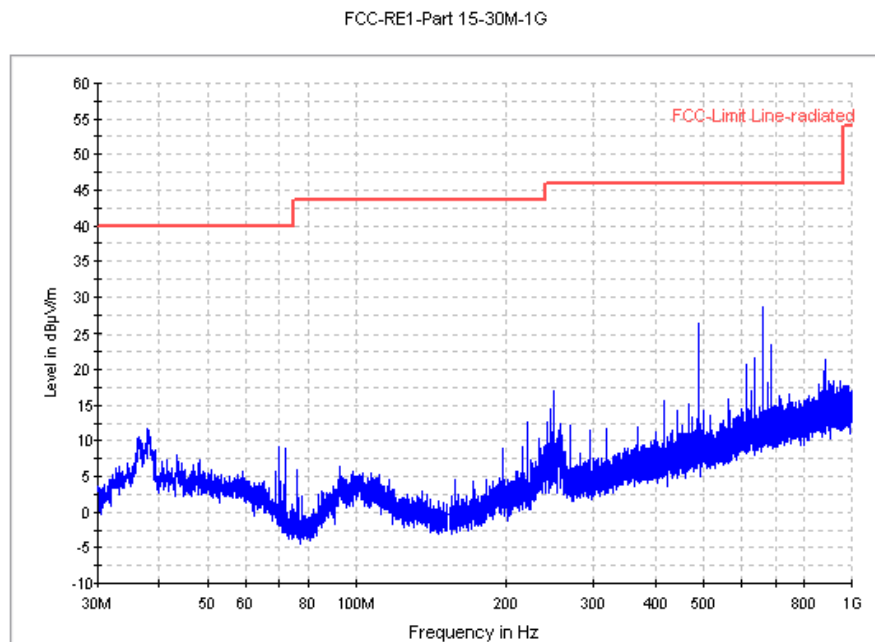
**Fig. 41 Radiated Spurious Emission (GFSK, Ch0, 30 MHz ~1 GHz)**



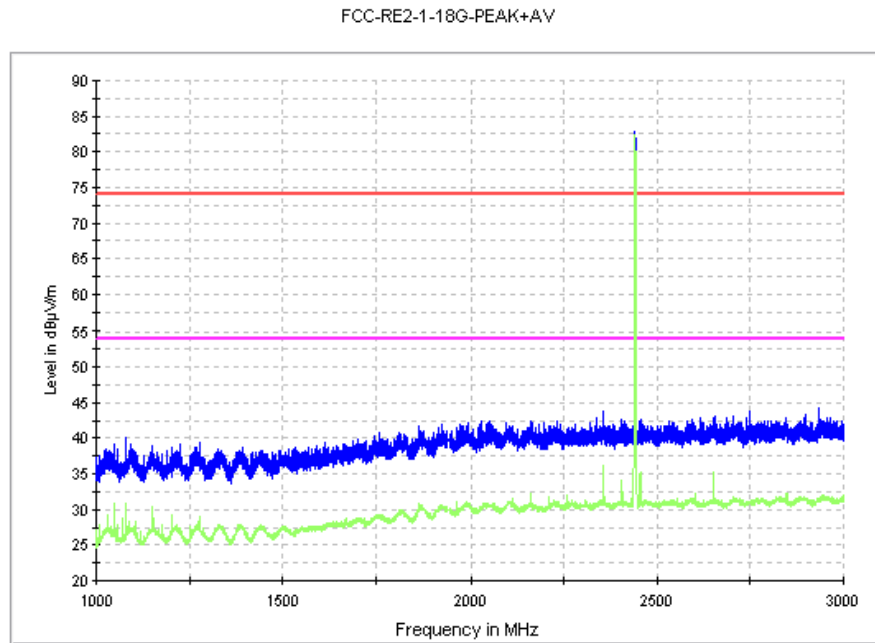
**Fig. 42 Radiated Spurious Emission (GFSK, Ch0, 1 GHz ~3 GHz)**



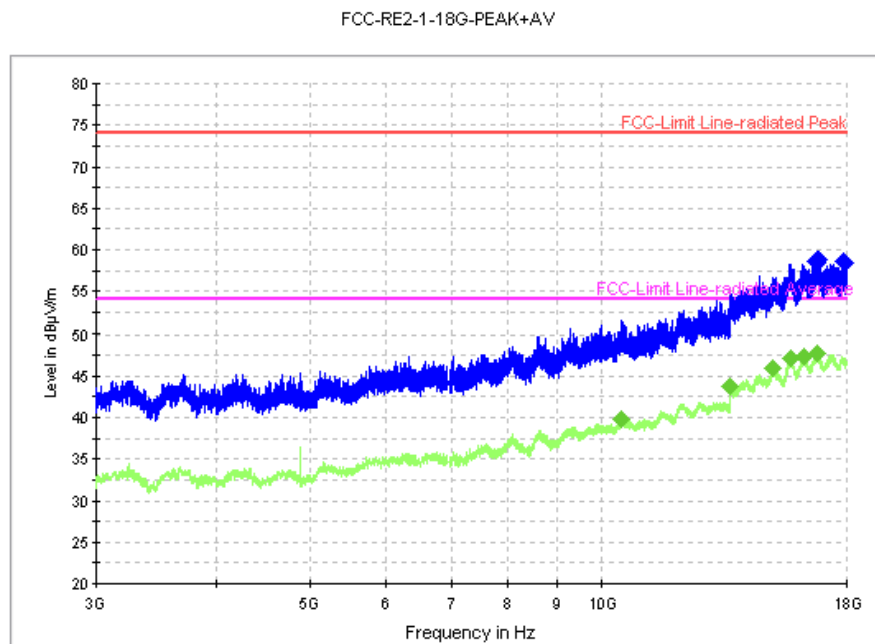
**Fig. 43 Radiated Spurious Emission (GFSK, Ch0, 3 GHz ~18 GHz)**



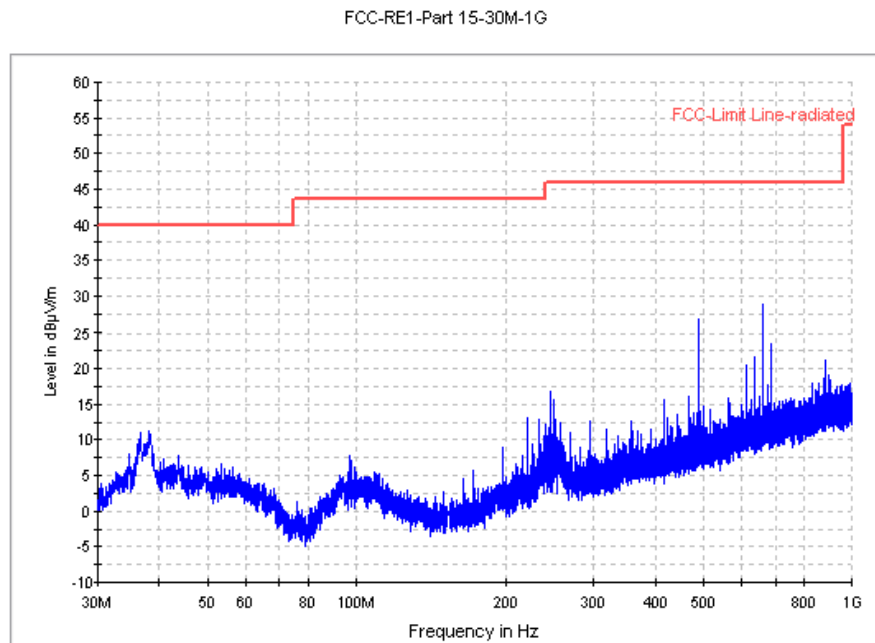
**Fig. 44 Radiated Spurious Emission (GFSK, Ch39, 30 MHz ~1 GHz)**



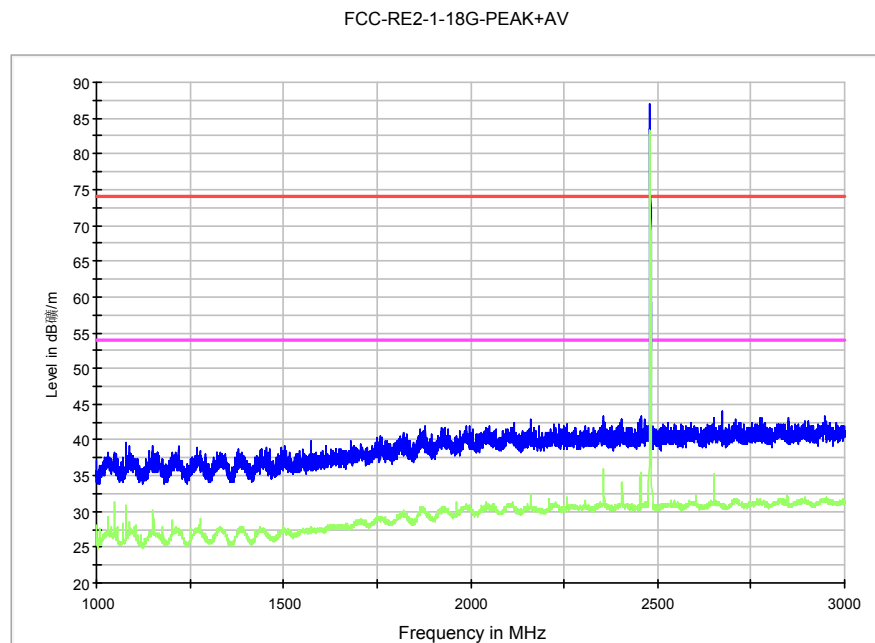
**Fig. 45 Radiated Spurious Emission (GFSK, Ch39, 1 GHz ~3 GHz)**



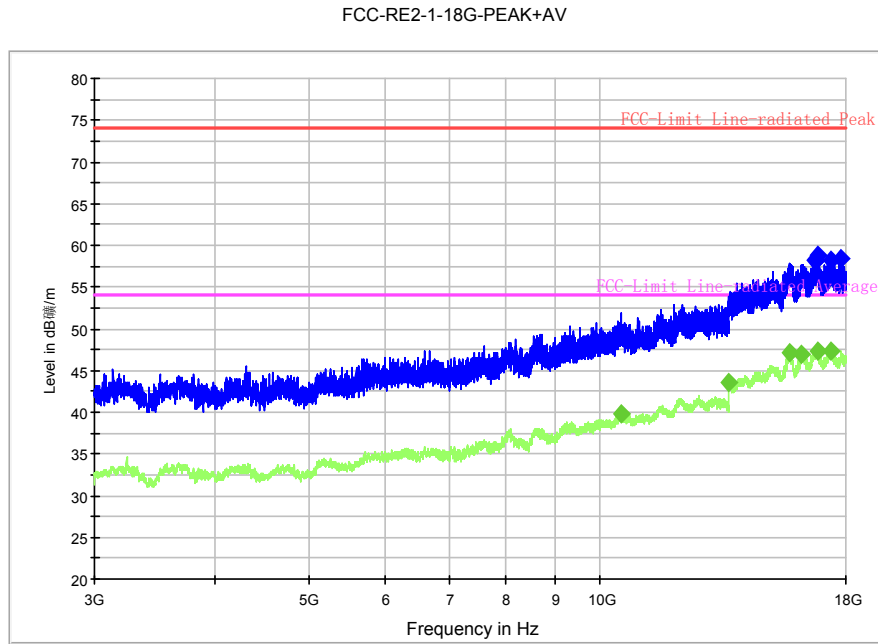
**Fig. 46 Radiated Spurious Emission (GFSK, Ch39, 3 GHz ~18 GHz)**



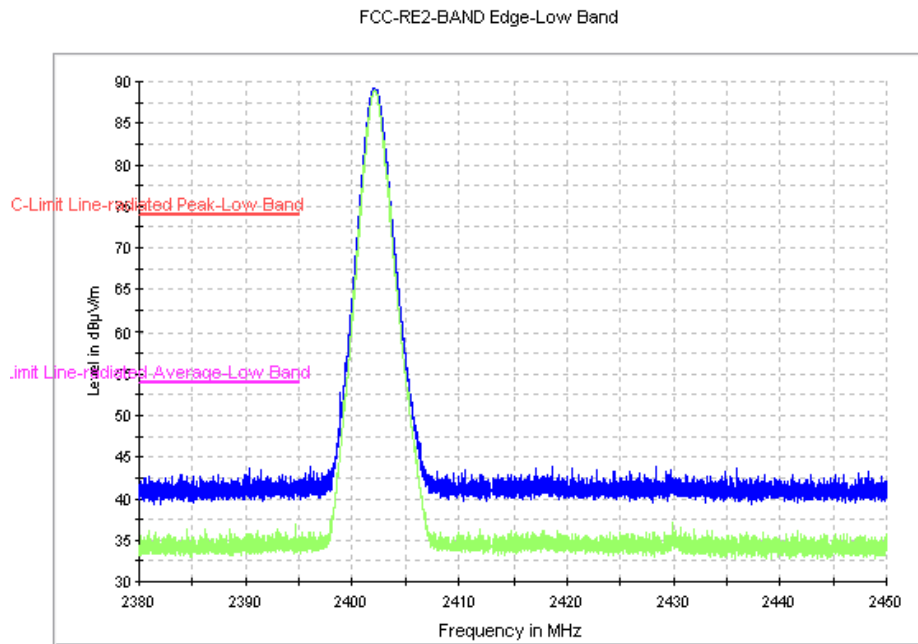
**Fig. 47 Radiated Spurious Emission (GFSK, Ch78, 30 MHz ~1 GHz)**



**Fig. 48 Radiated Spurious Emission (GFSK, Ch78, 1 GHz ~3 GHz)**

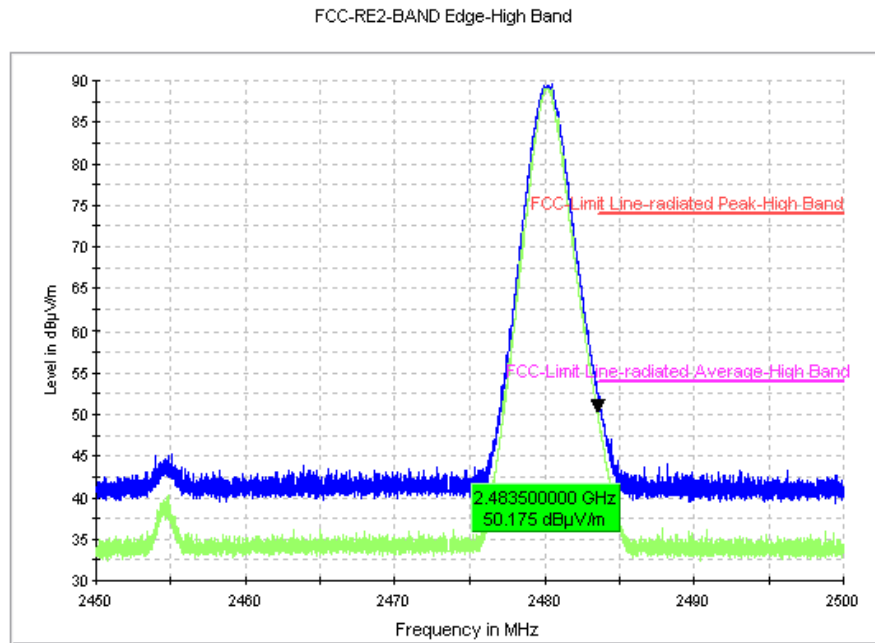


**Fig. 49 Radiated Spurious Emission (GFSK, Ch78, 3 GHz ~18 GHz)**

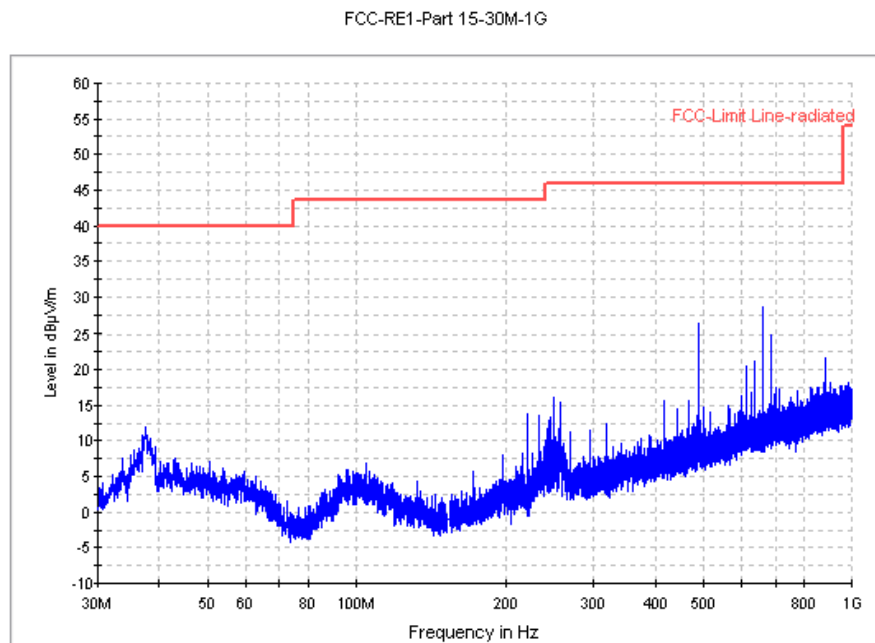


**Fig. 50 Radiated Emission Power (GFSK, Ch0, 2380GHz~2450GHz)**

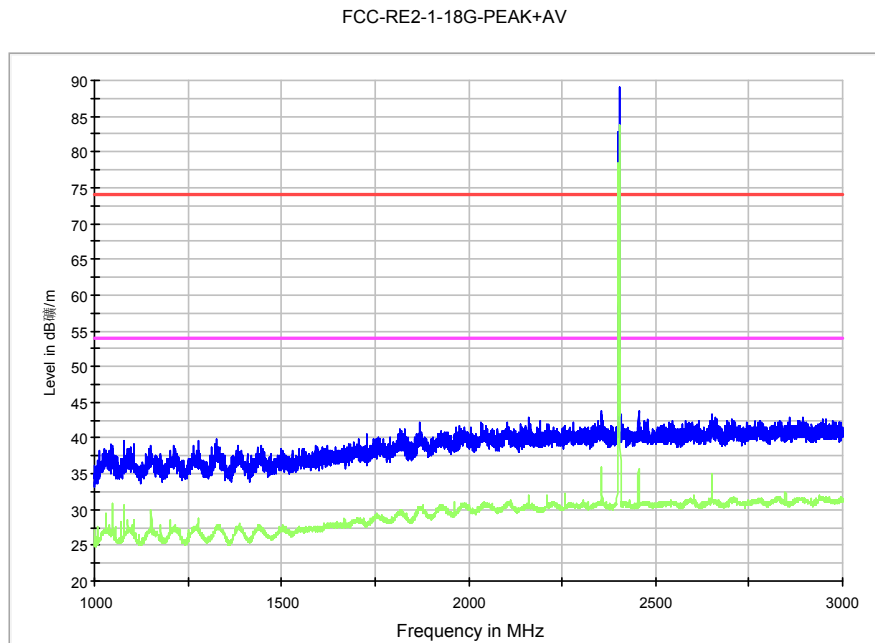




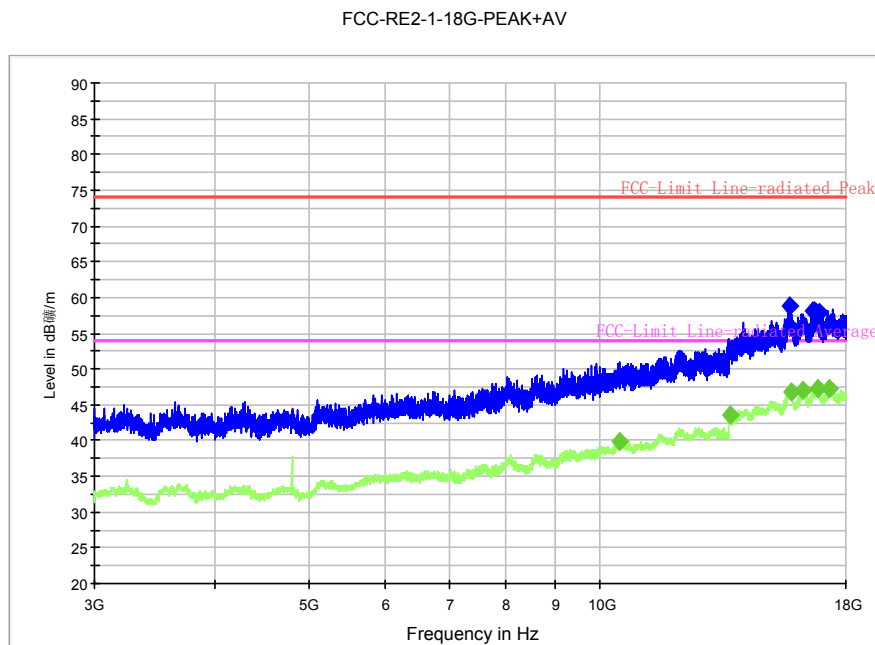
**Fig. 51 Radiated Emission Power (GFSK, Ch78, 2450GHz~2500GHz)**



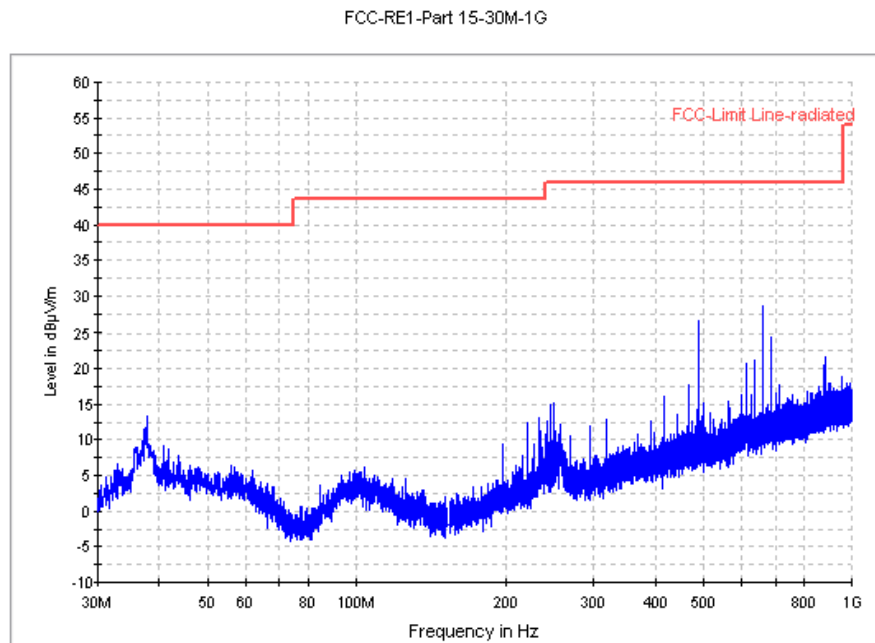
**Fig. 52 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch0, 30 MHz ~1 GHz)**



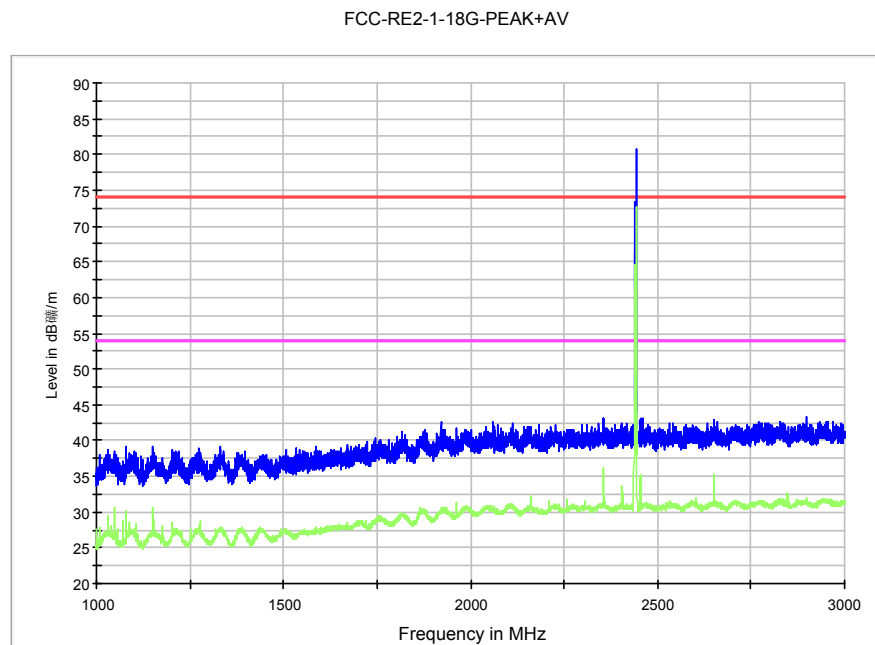
**Fig. 53 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch0, 1 GHz ~3 GHz)**



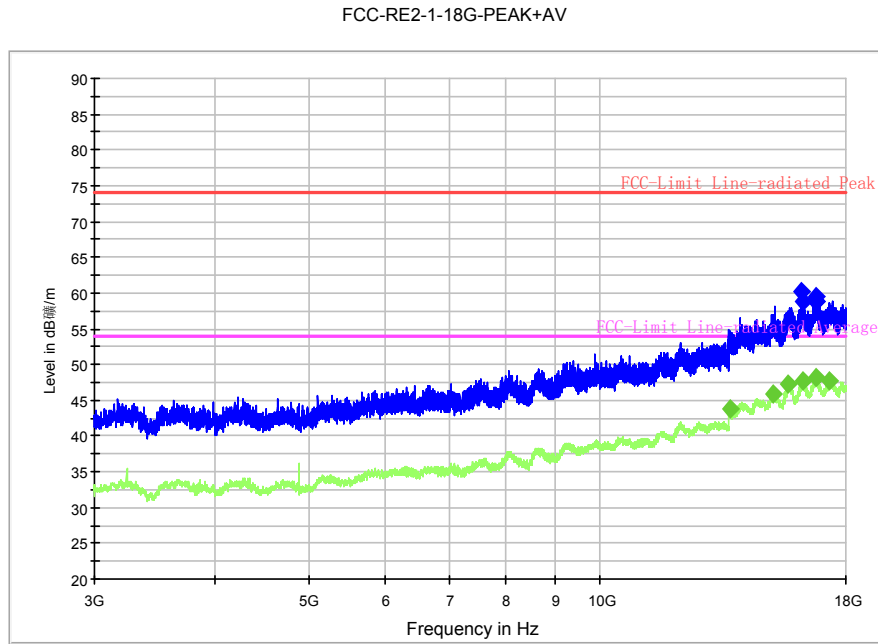
**Fig. 54 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch0, 3 GHz ~18 GHz)**



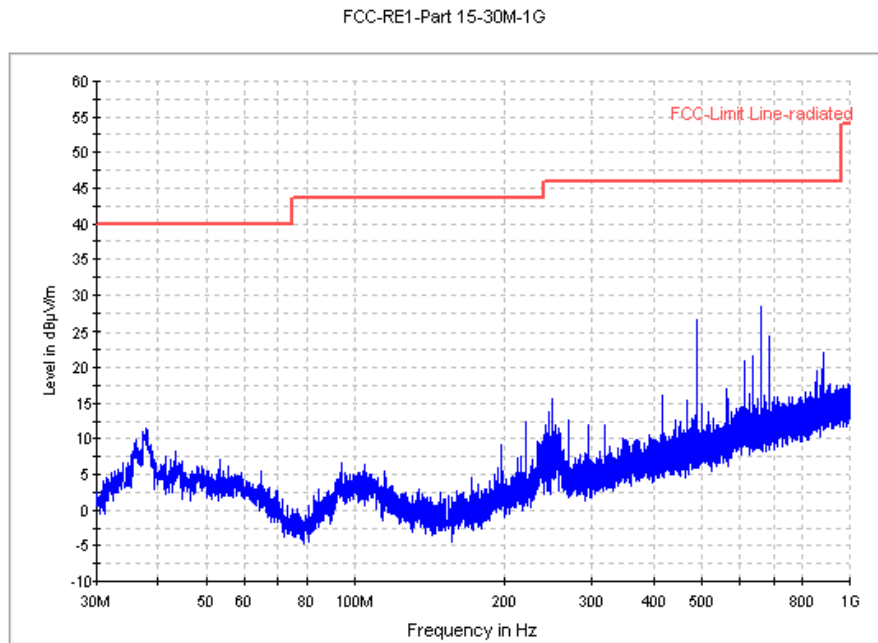
**Fig. 55 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch39, 30 MHz ~1 GHz)**



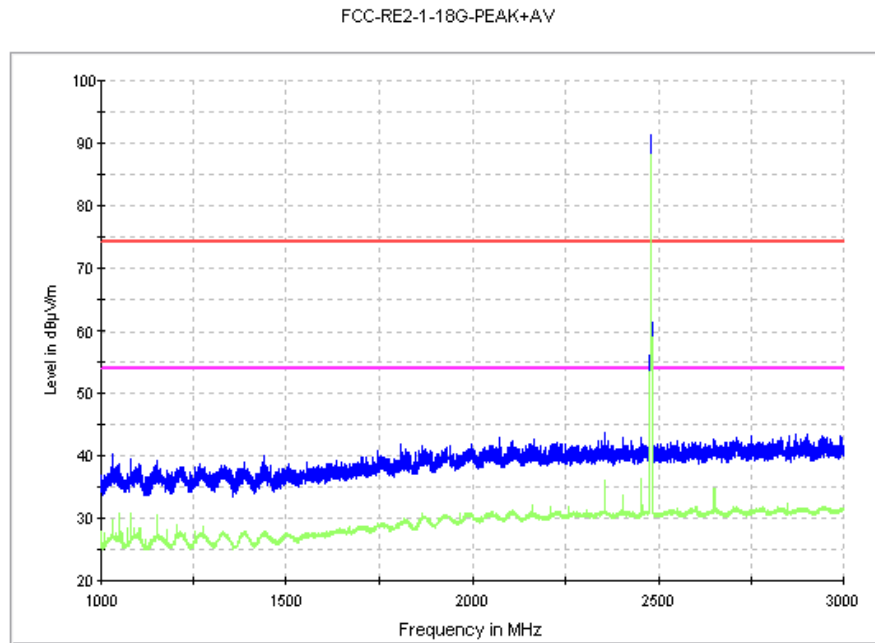
**Fig. 56 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch39, 1 GHz ~3 GHz)**



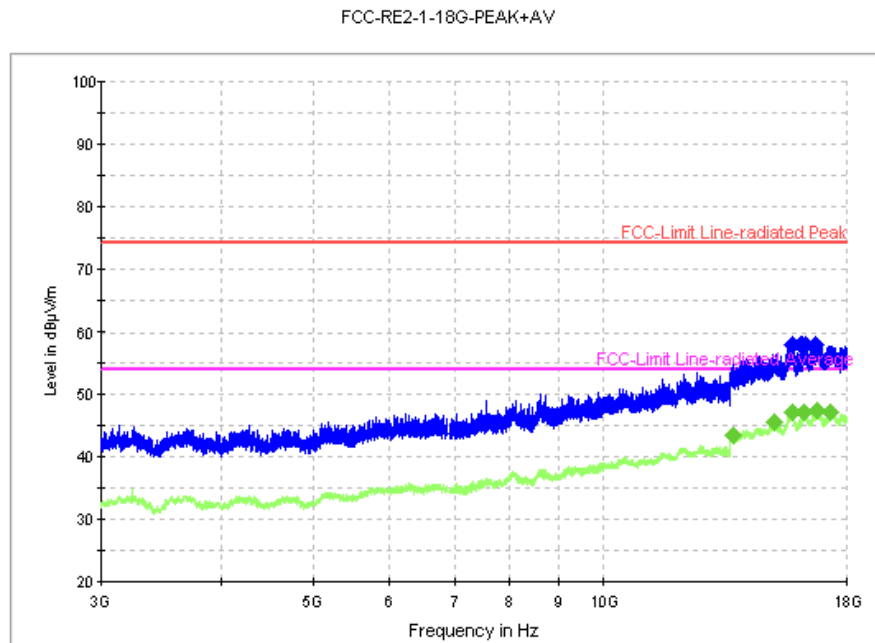
**Fig. 57 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch39, 3 GHz ~18 GHz)**



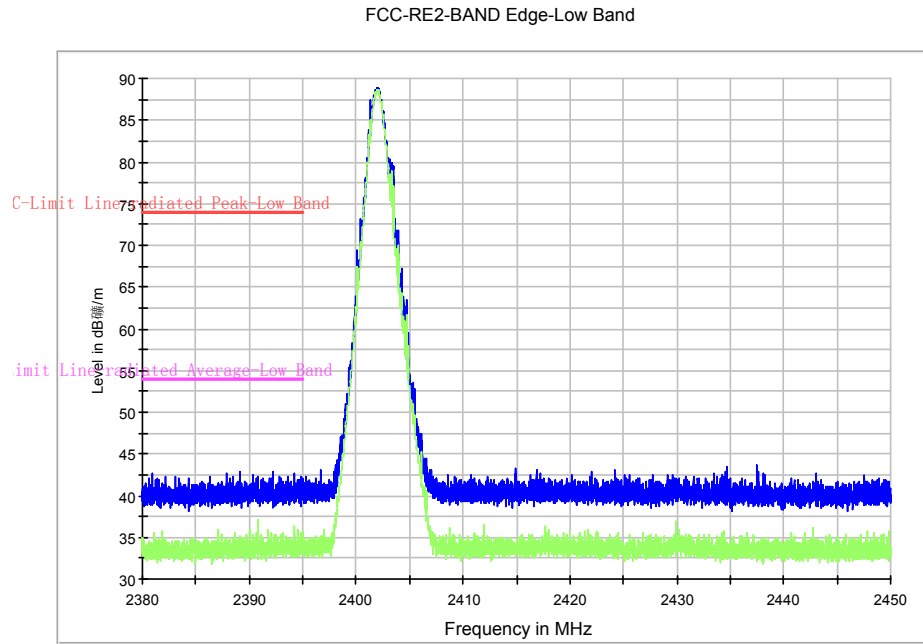
**Fig. 58 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch78, 30 MHz ~1 GHz)**



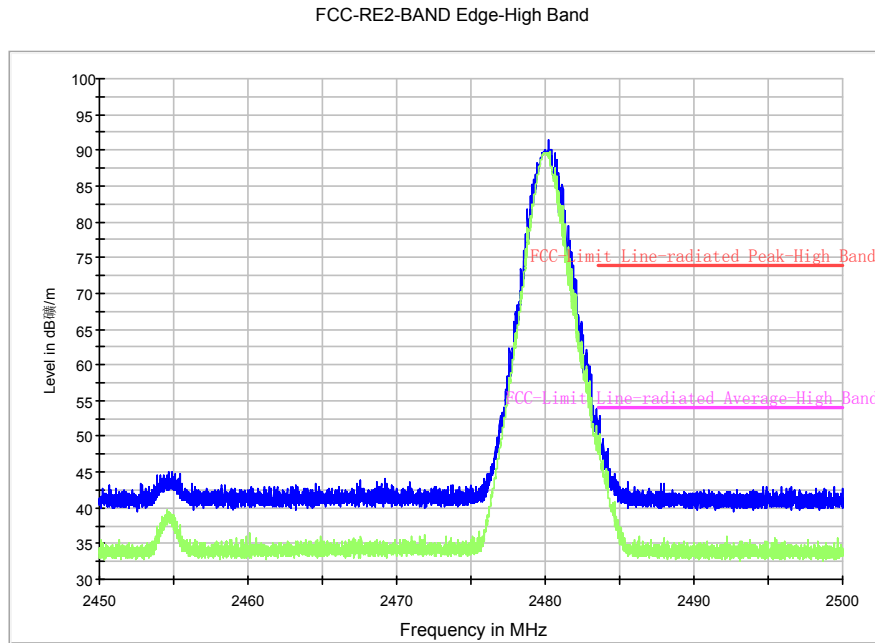
**Fig. 59 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch78, 1 GHz ~3 GHz)**



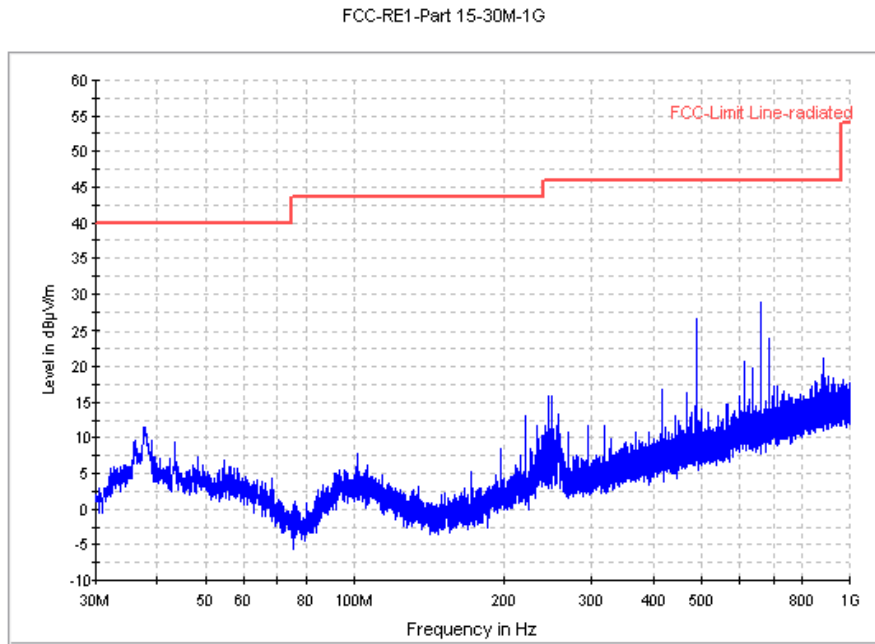
**Fig. 60 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch78, 3 GHz ~18 GHz)**



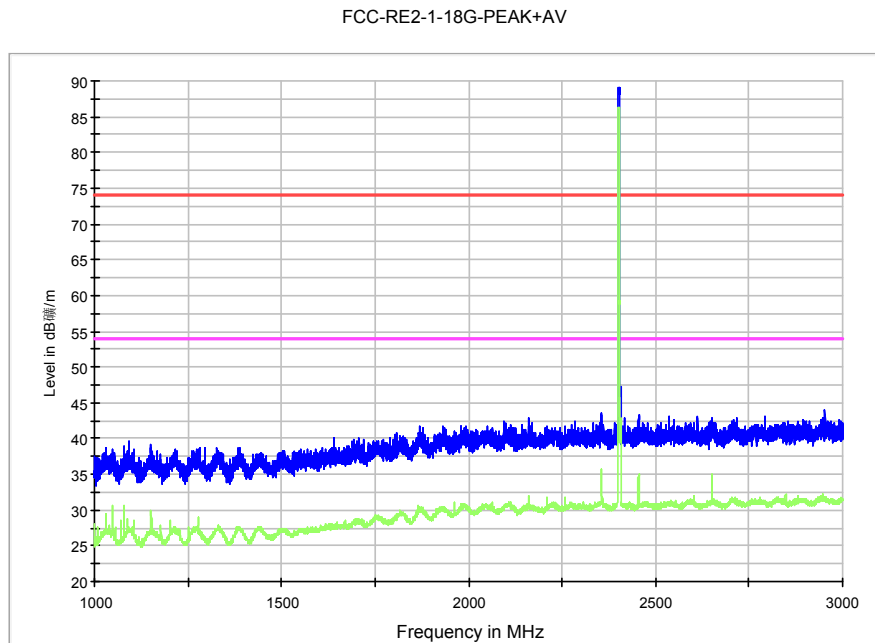
**Fig. 61 Radiated Emission Power ( $\pi/4$  DQPSK, Ch0, 2380GHz~2450GHz)**



**Fig. 62 Radiated Emission Power ( $\pi/4$  DQPSK, Ch78, 2450GHz~2500GHz)**

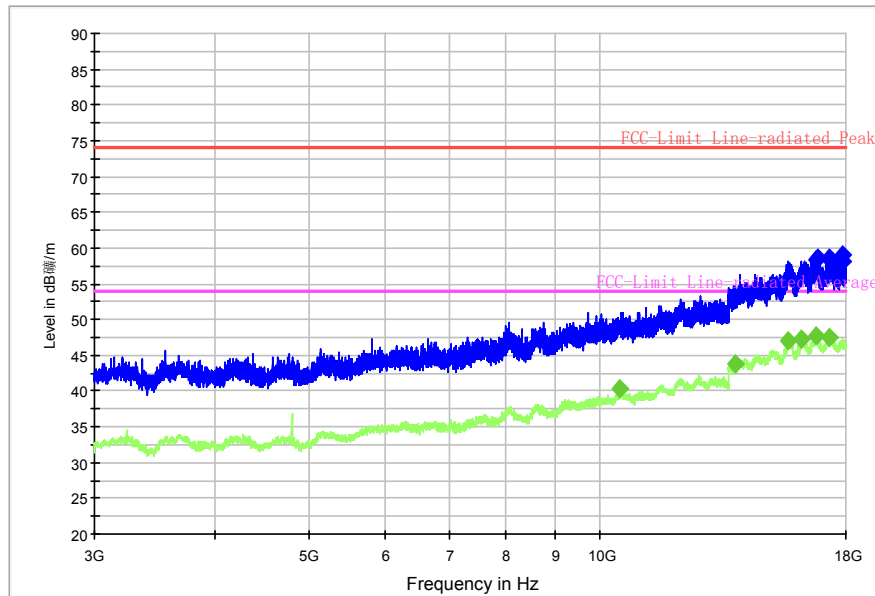


**Fig. 63 Radiated Spurious Emission (8DPSK, Ch0, 30 MHz ~1 GHz)**



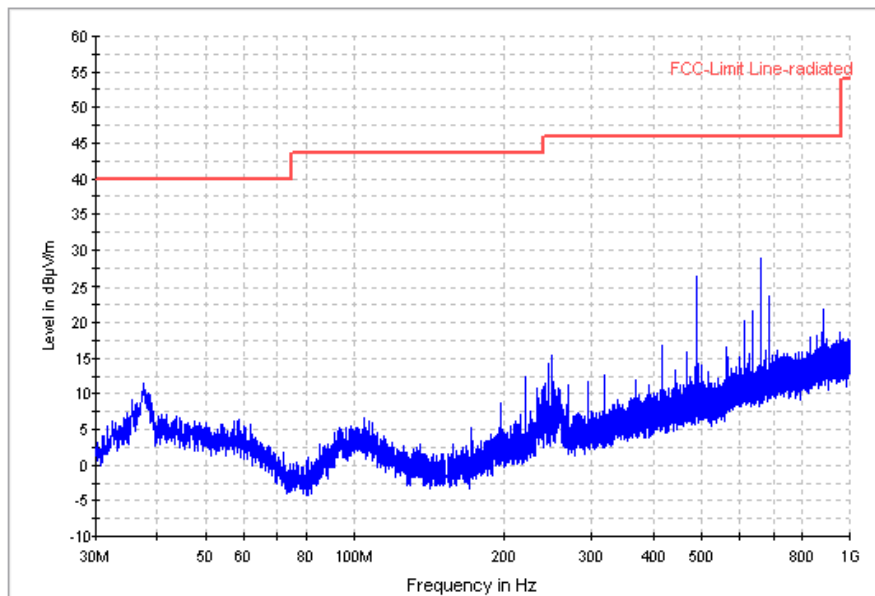
**Fig. 64 Radiated Spurious Emission (8DPSK, Ch0, 1 GHz ~3 GHz)**

FCC-RE2-1-18G-PEAK+AV



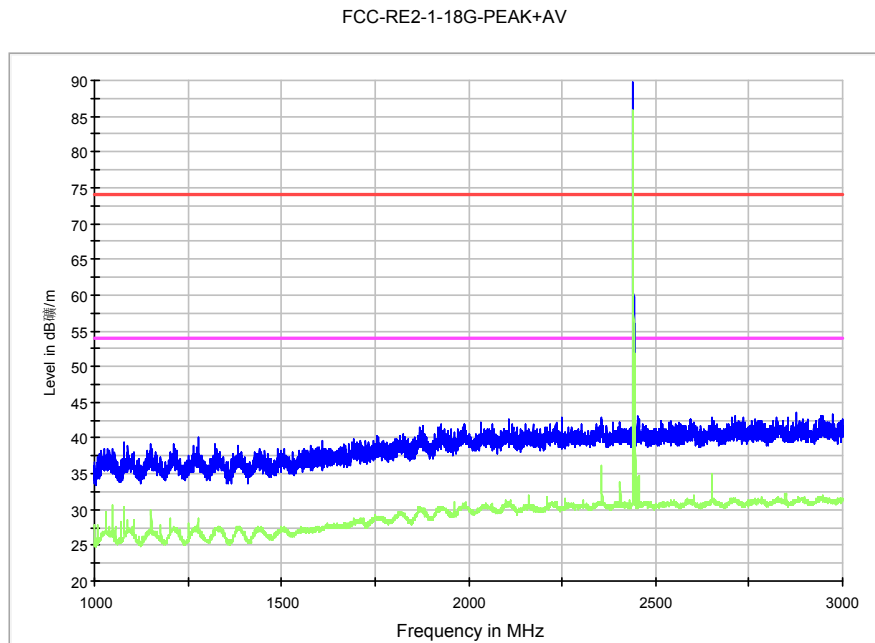
**Fig. 65 Radiated Spurious Emission (8DPSK, Ch0, 3 GHz ~18 GHz)**

FCC-RE1-Part 15-30M-1G

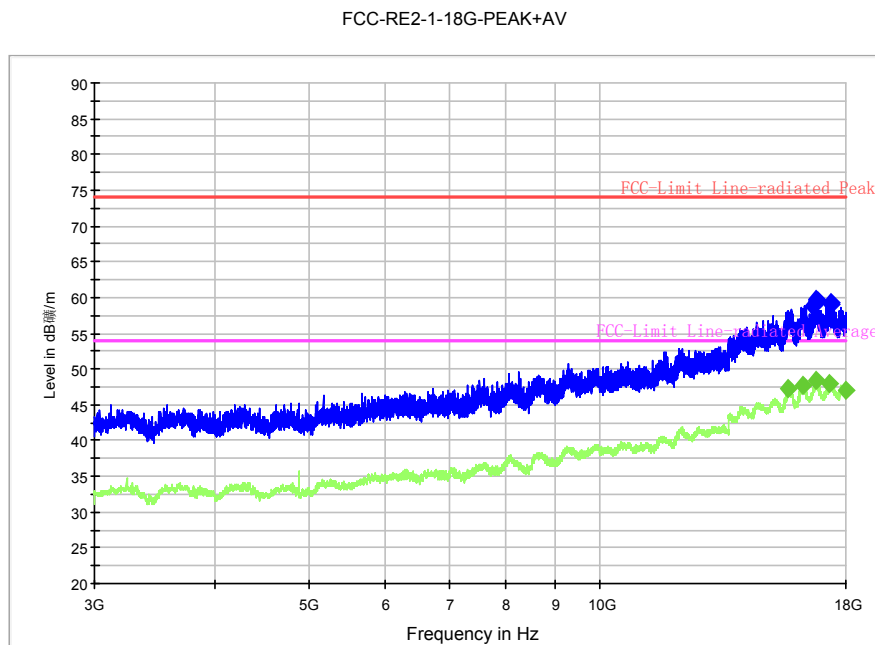


**Fig. 66 Radiated Spurious Emission (8DPSK, Ch39, 30 MHz ~1 GHz)**

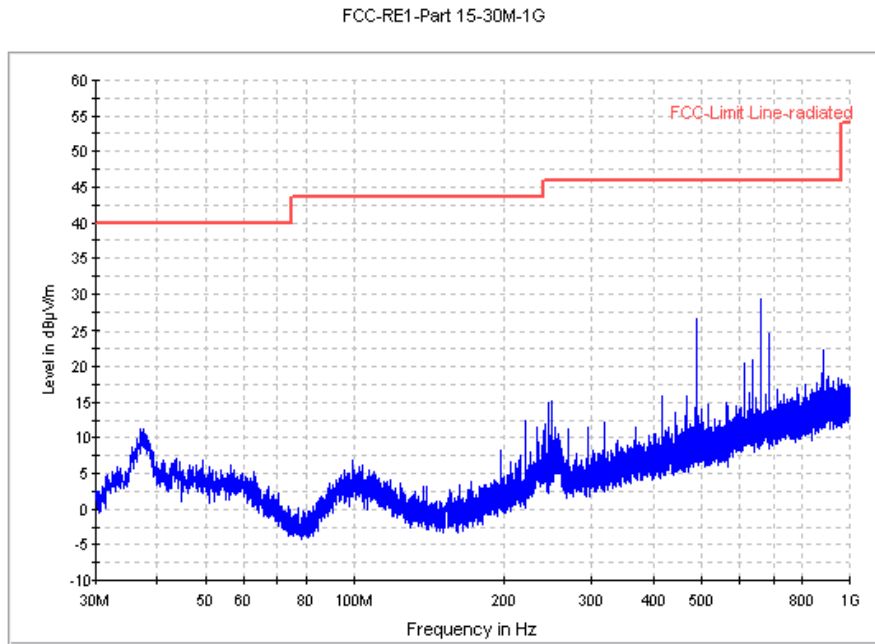




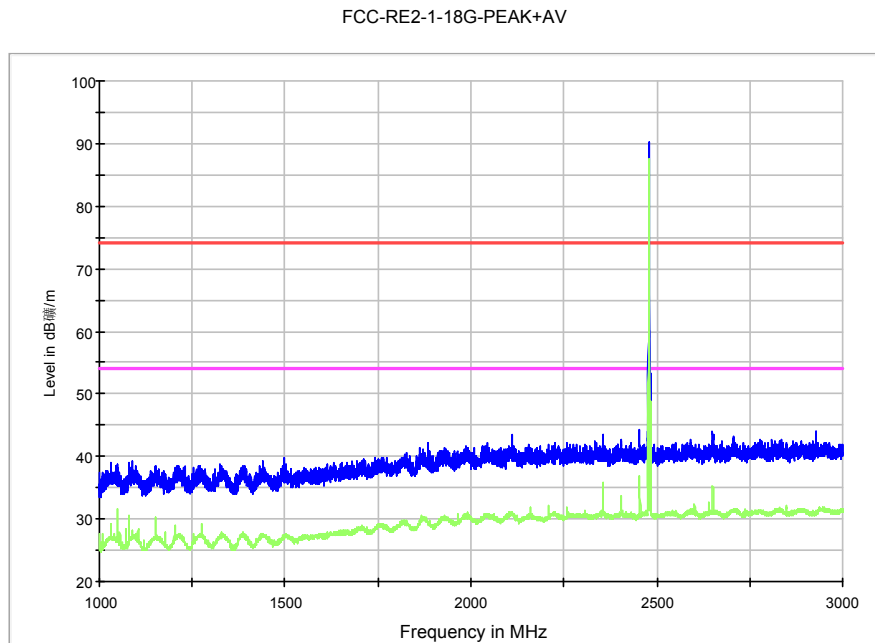
**Fig. 67 Radiated Spurious Emission (8DPSK, Ch39, 1 GHz ~3 GHz)**



**Fig. 68 Radiated Spurious Emission (8DPSK, Ch39, 3 GHz ~18 GHz)**

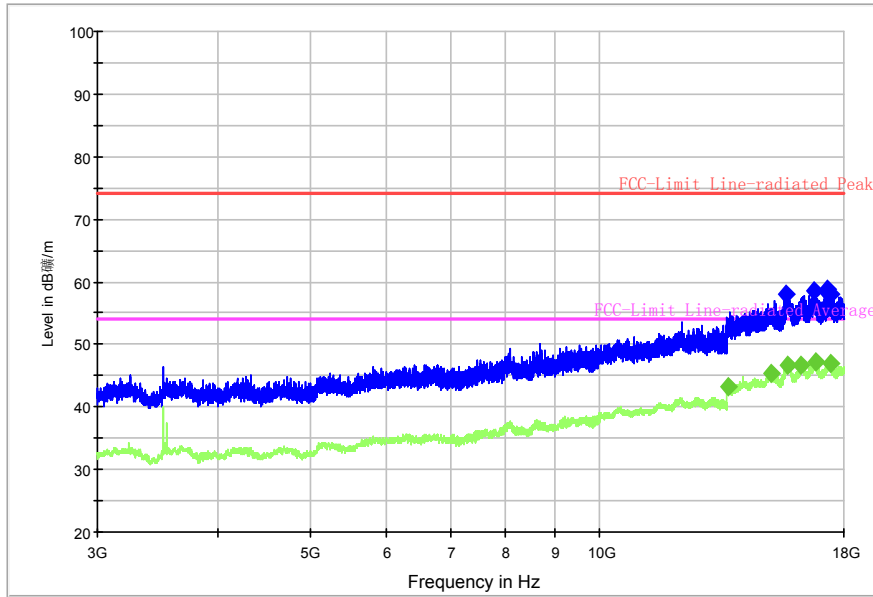


**Fig. 69 Radiated Spurious Emission (8DPSK, Ch78, 30 MHz ~1 GHz)**



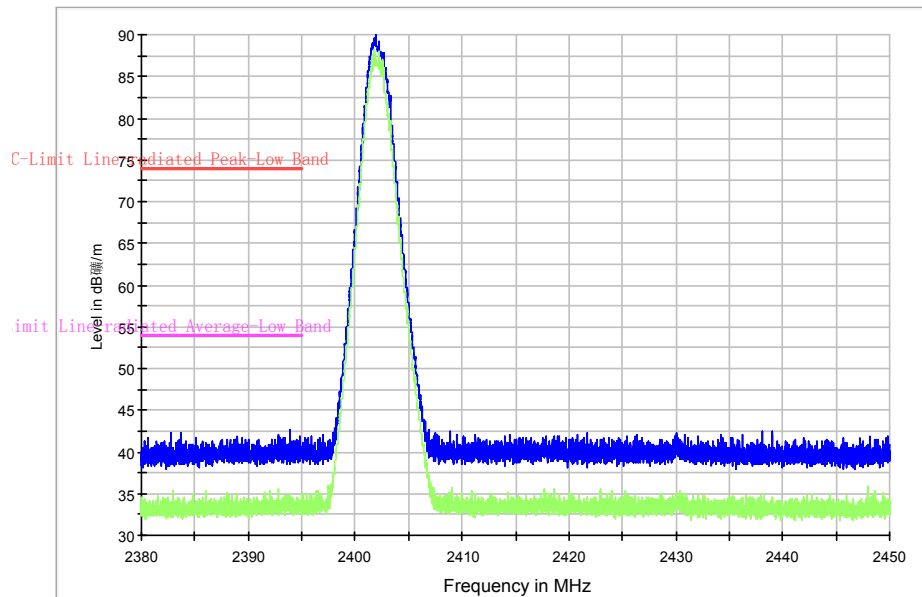
**Fig. 70 Radiated Spurious Emission (8DPSK, Ch78, 1 GHz ~3 GHz)**

FCC-RE2-1-18G-PEAK+AV

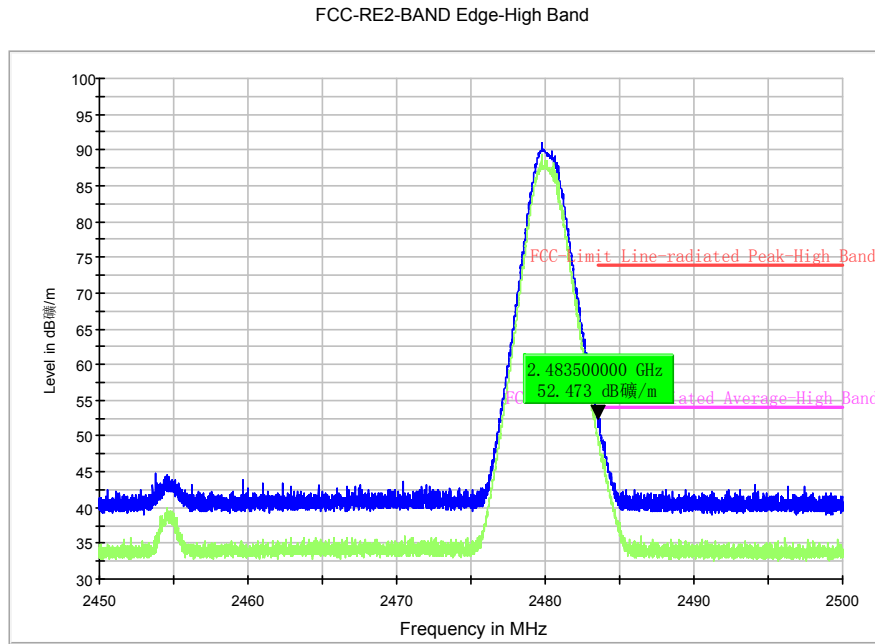


**Fig. 71 Radiated Spurious Emission (8DPSK, Ch78, 3 GHz ~18 GHz)**

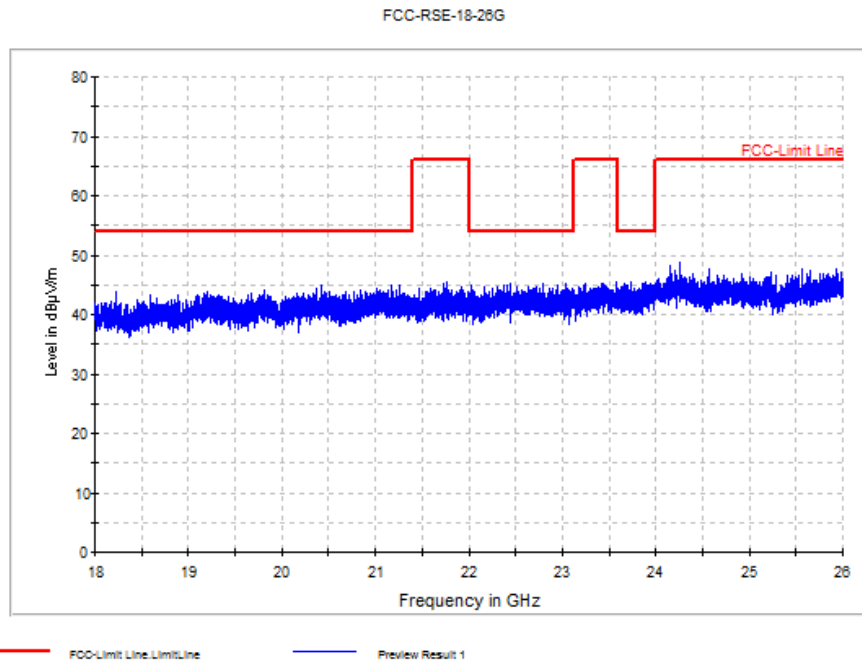
FCC-RE2-BAND Edge-Low Band



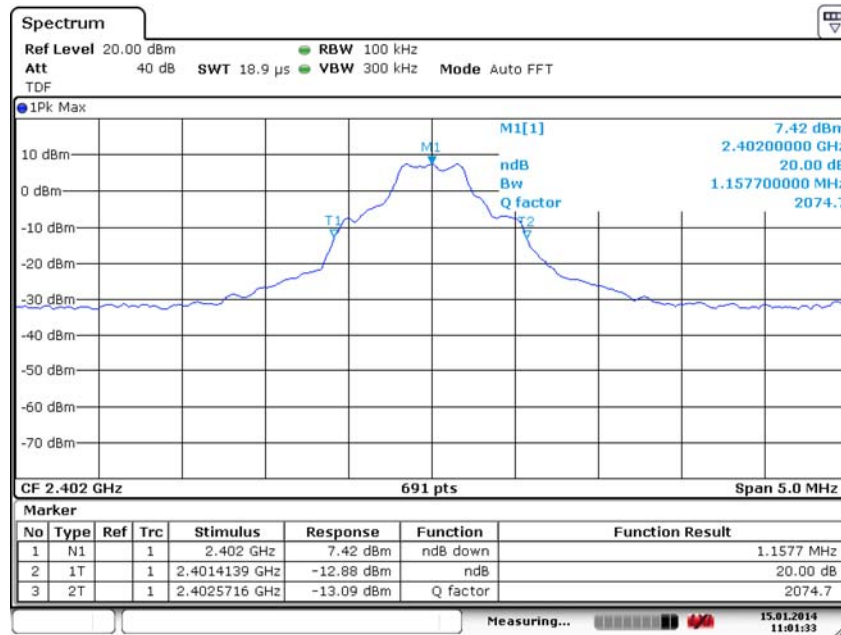
**Fig. 72 Radiated Emission Power (8DPSK, Ch0, 2380GHz~2450GHz)**



**Fig. 73 Radiated Emission Power (8DPSK, Ch78, 2450GHz~2500GHz)**

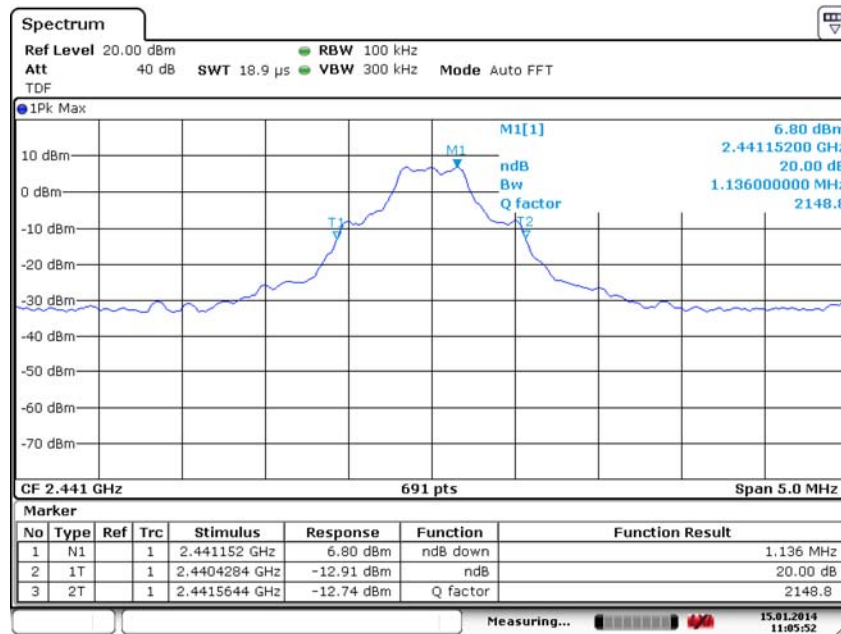


**Fig. 74 Radiated Spurious Emission (All channel, 18 GHz ~26 GHz)**



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Fig. 75 Occupied 20dB Bandwidth (GFSK, Ch 0)



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Fig. 76 Occupied 20dB Bandwidth (GFSK, Ch 39)

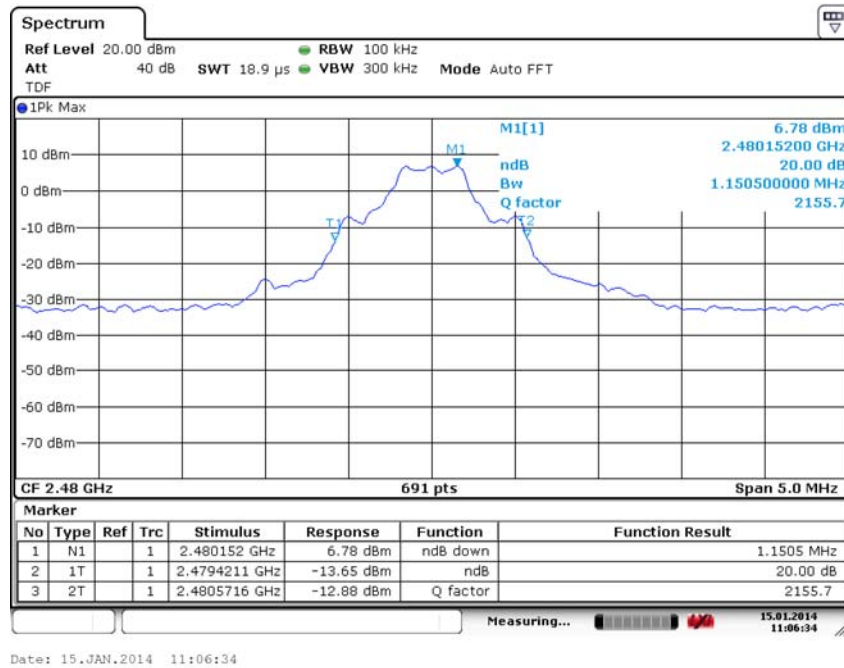


Fig. 77 Occupied 20dB Bandwidth (GFSK, Ch 78)

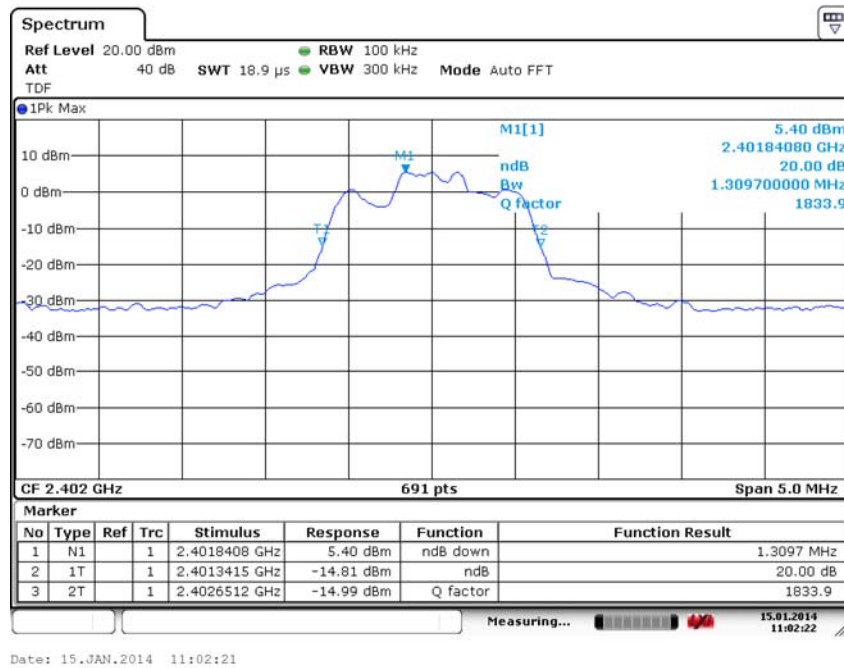


Fig. 78 Occupied 20dB Bandwidth ( $\pi/4$  DQPSK, Ch 0)

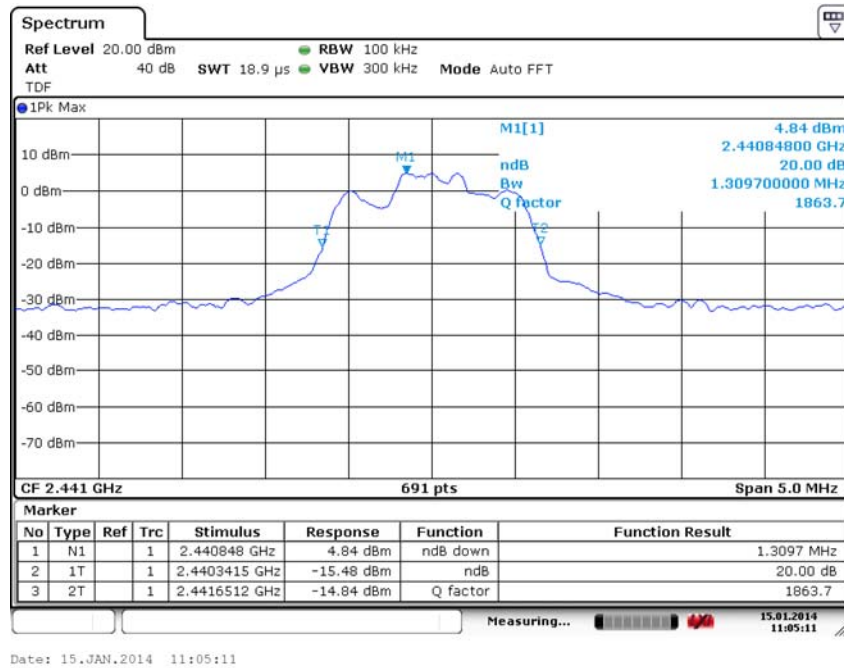


Fig. 79 Occupied 20dB Bandwidth ( $\pi/4$  DQPSK, Ch 39)

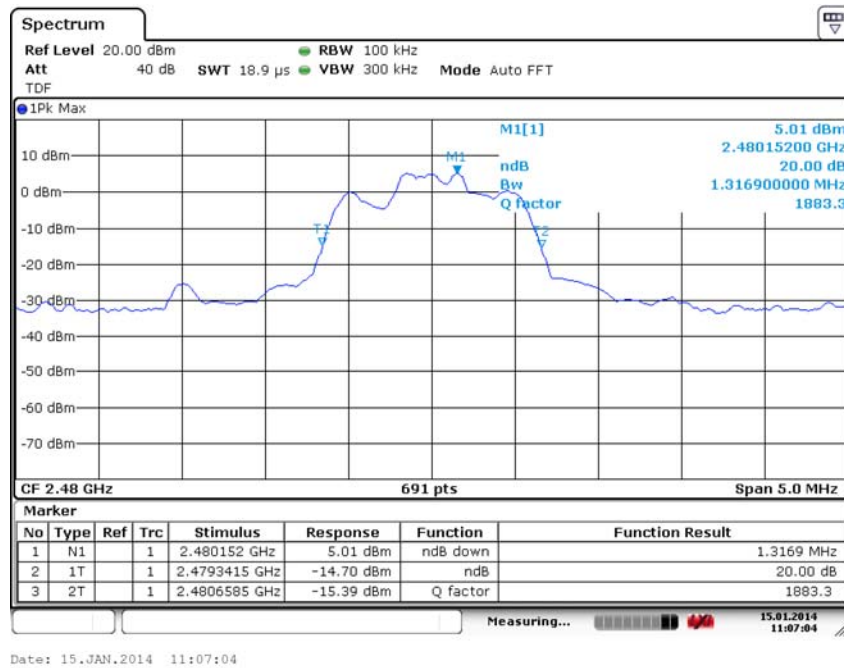
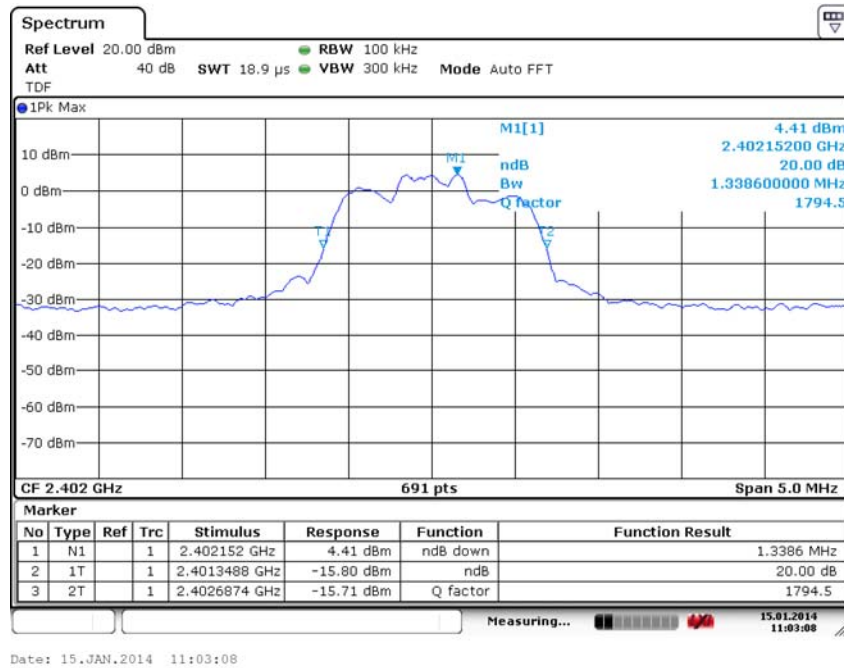
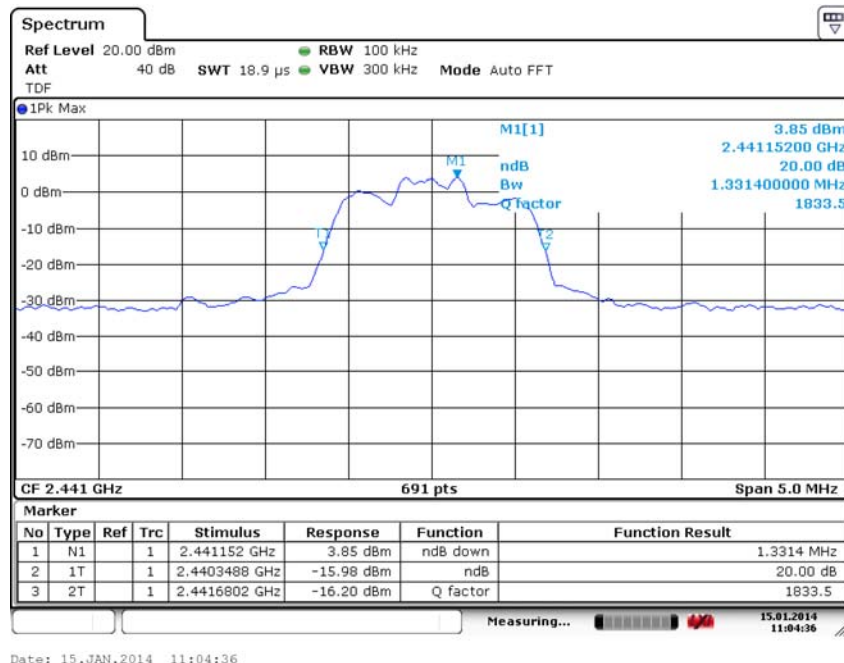


Fig. 80 Occupied 20dB Bandwidth ( $\pi/4$  DQPSK, Ch 78)



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Fig. 81 Occupied 20dB Bandwidth (8DPSK, Ch 0)



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Fig. 82 Occupied 20dB Bandwidth (8DPSK, Ch 39)



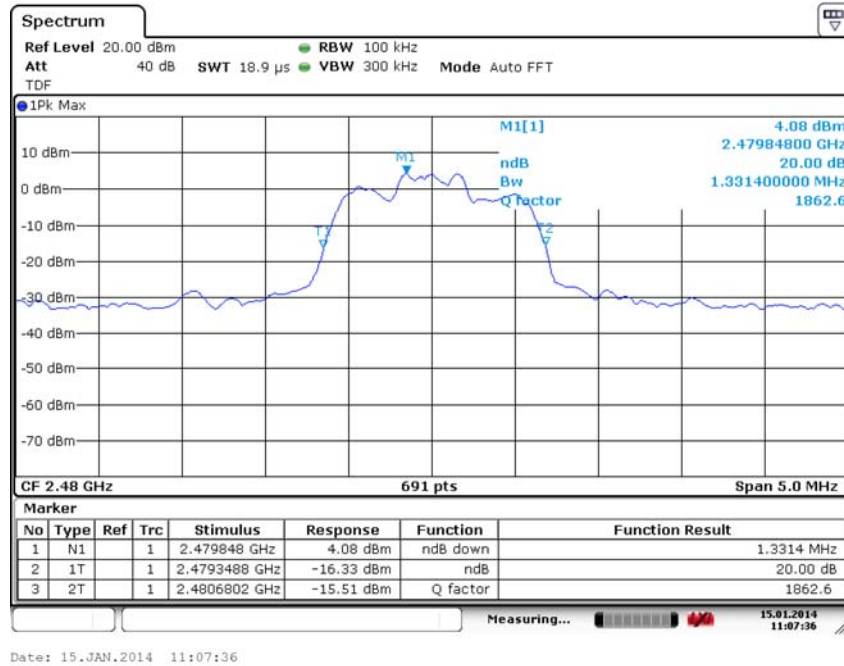


Fig. 83 Occupied 20dB Bandwidth (8DPSK, Ch 78)

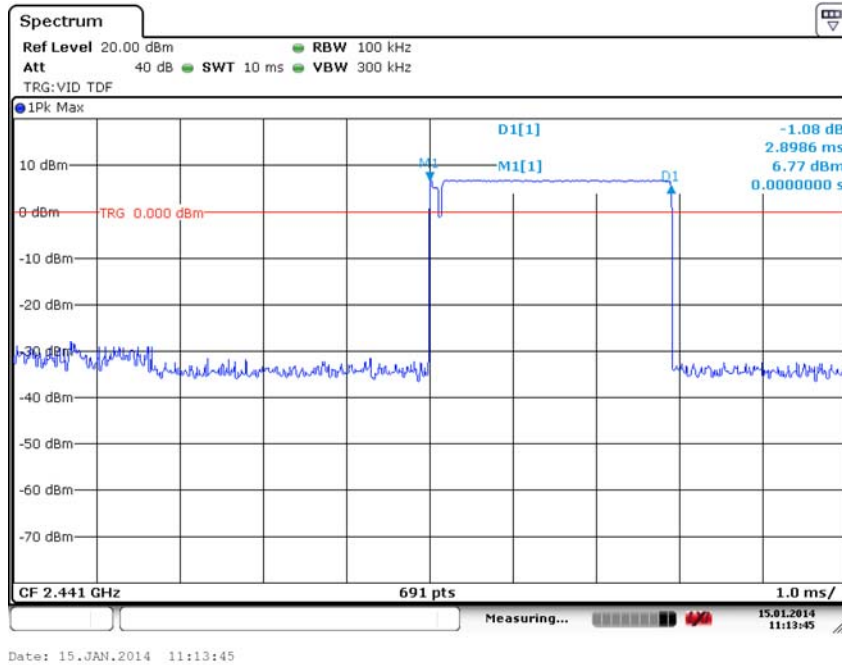
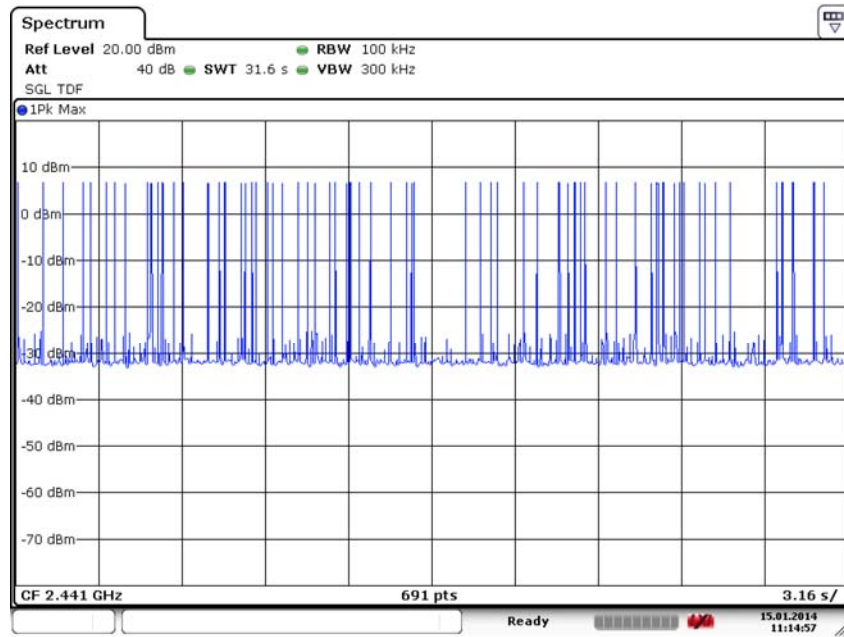
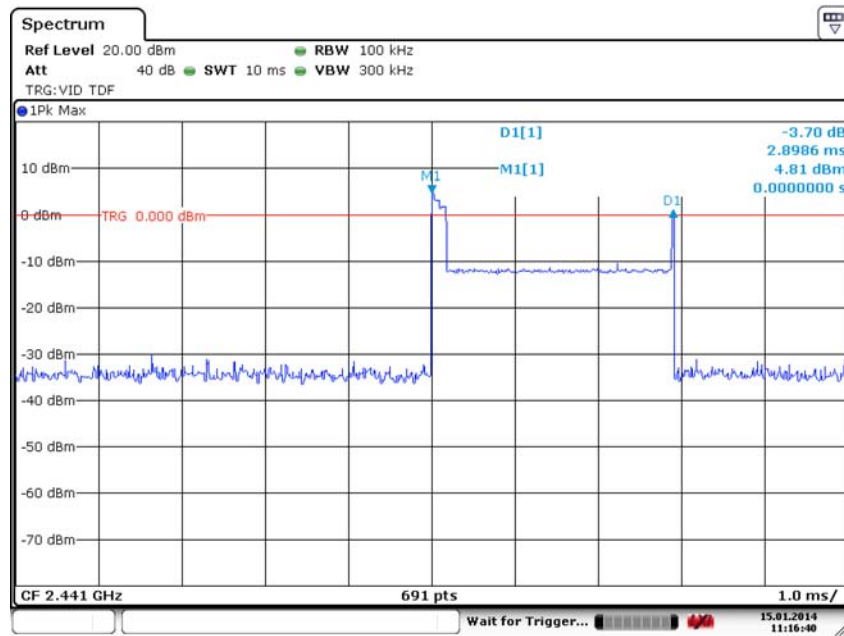


Fig. 84 Time of Occupancy(Dwell Time) (GFSK, Ch39)



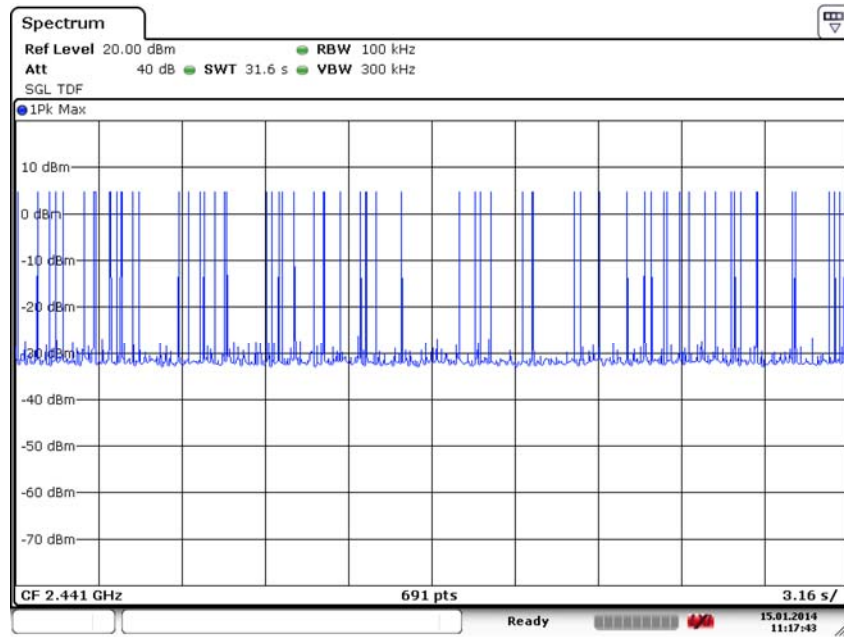
Date: 15.JAN.2014 11:14:56

**Fig. 85 Number of Transmissions (GFSK, Ch39)**



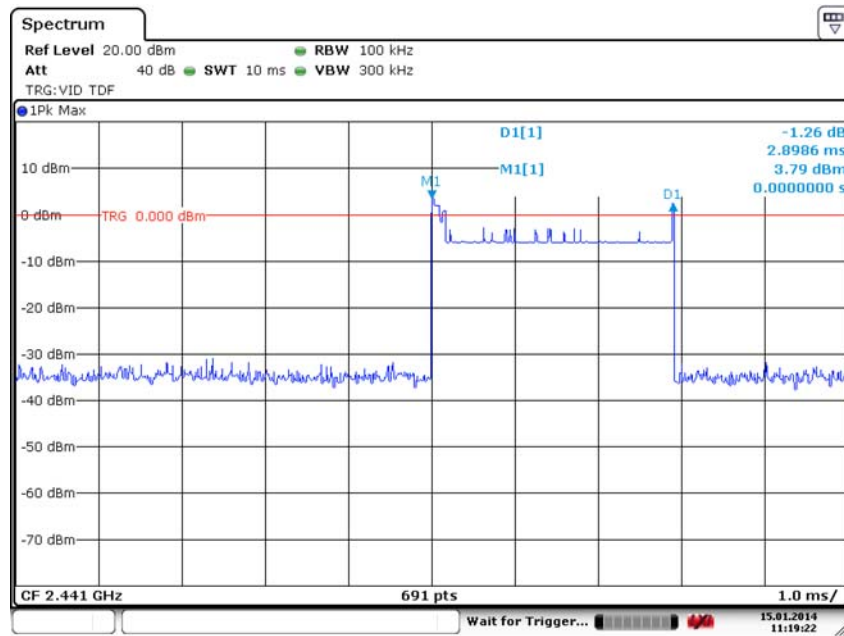
Date: 15.JAN.2014 11:16:40

**Fig. 86 Time of Occupancy(Dwell Time) ( $\pi/4$  DQPSK, Ch39)**



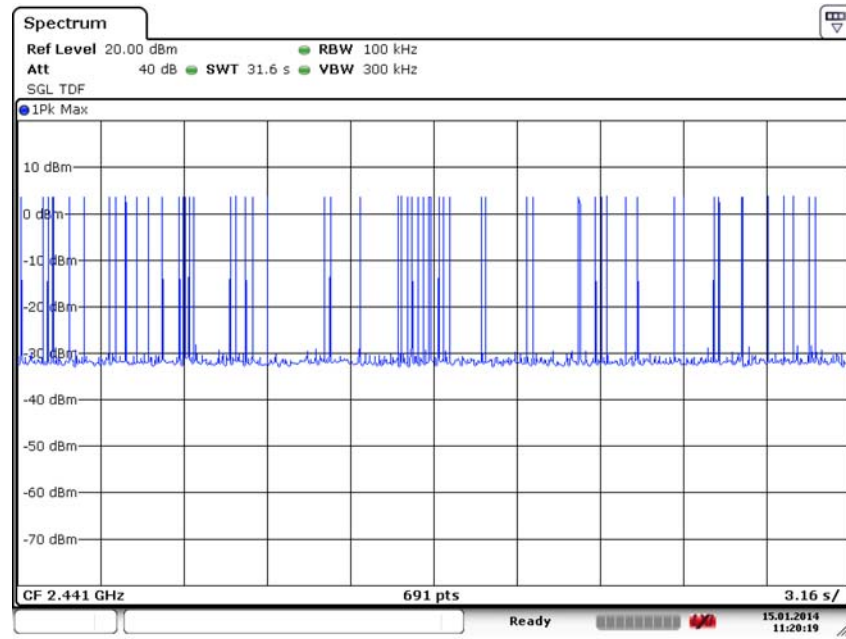
Date: 15.JAN.2014 11:17:43

**Fig. 87 Number of Transmissions ( $\pi/4$  DQPSK, Ch39)**



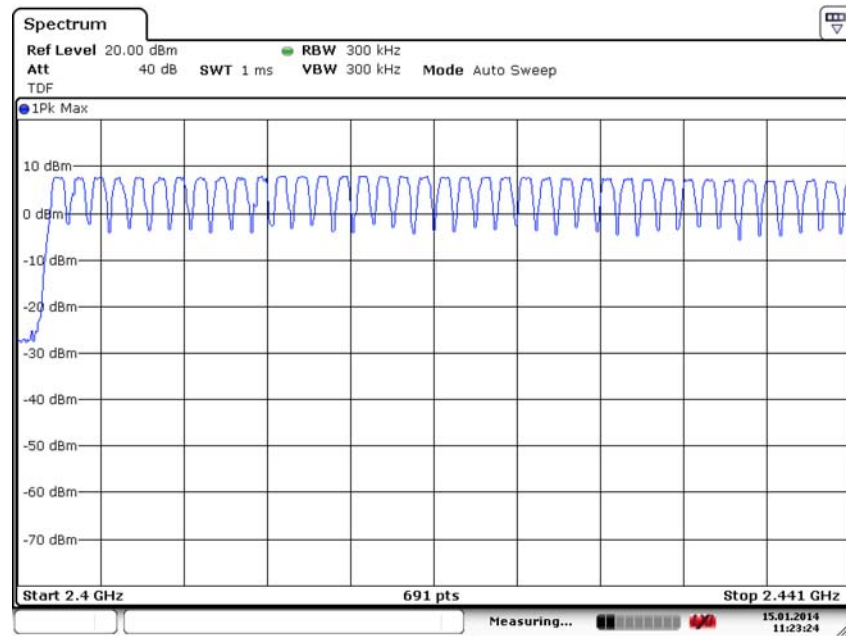
Date: 15.JAN.2014 11:19:22

**Fig. 88 Time of Occupancy(Dwell Time) (8DPSK, Ch39)**



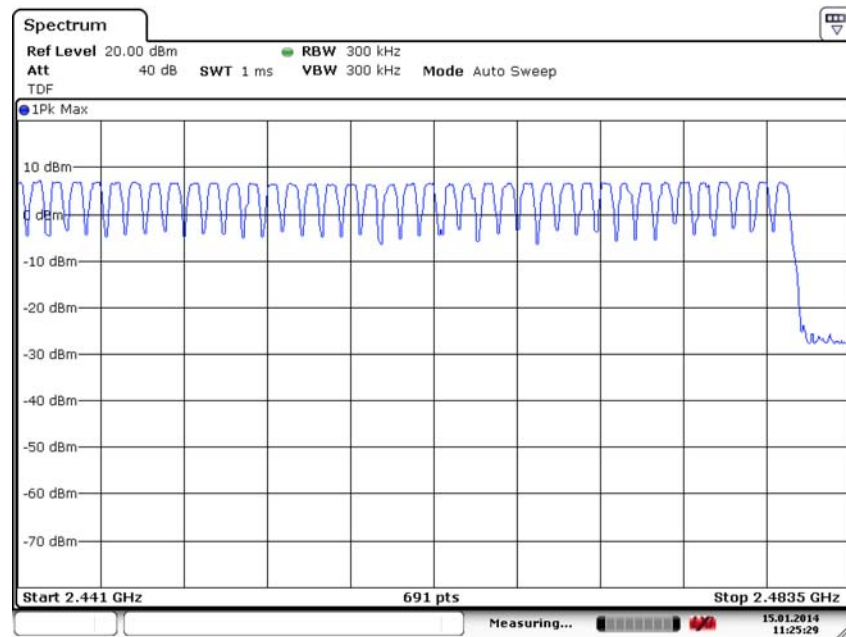
Date: 15.JAN.2014 11:20:18

**Fig. 89 Number of Transmissions (8DPSK, Ch39)**



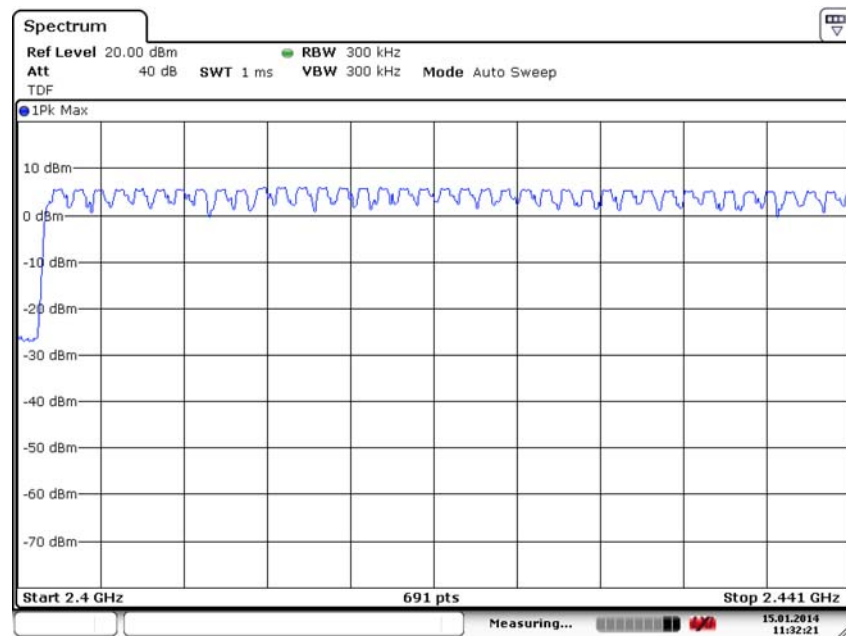
Date: 15.JAN.2014 11:23:24

**Fig. 90 Hopping channel ch0~39 (GFSK, Ch39)**



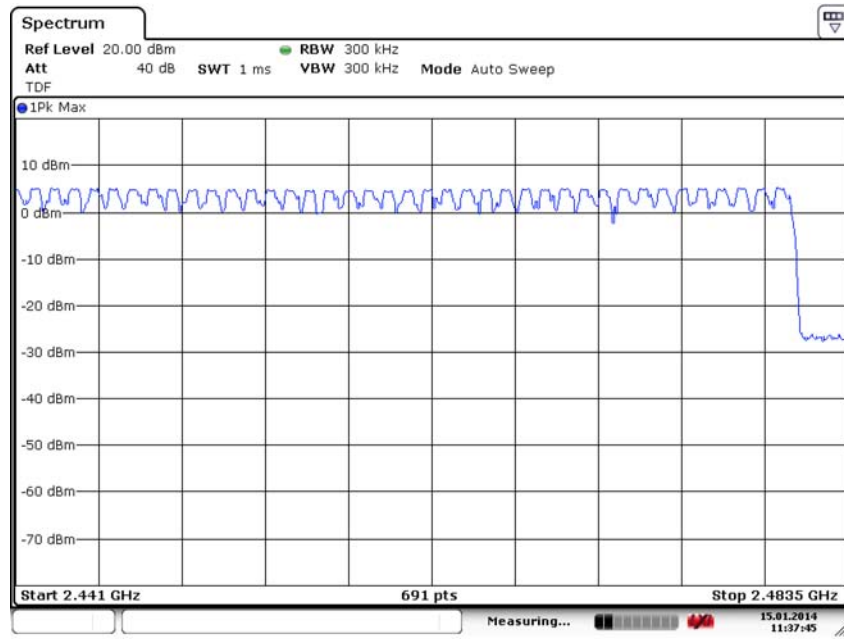
Date: 15.JAN.2014 11:25:29

**Fig. 91 Hopping channel ch39~78 (GFSK, Ch39)**

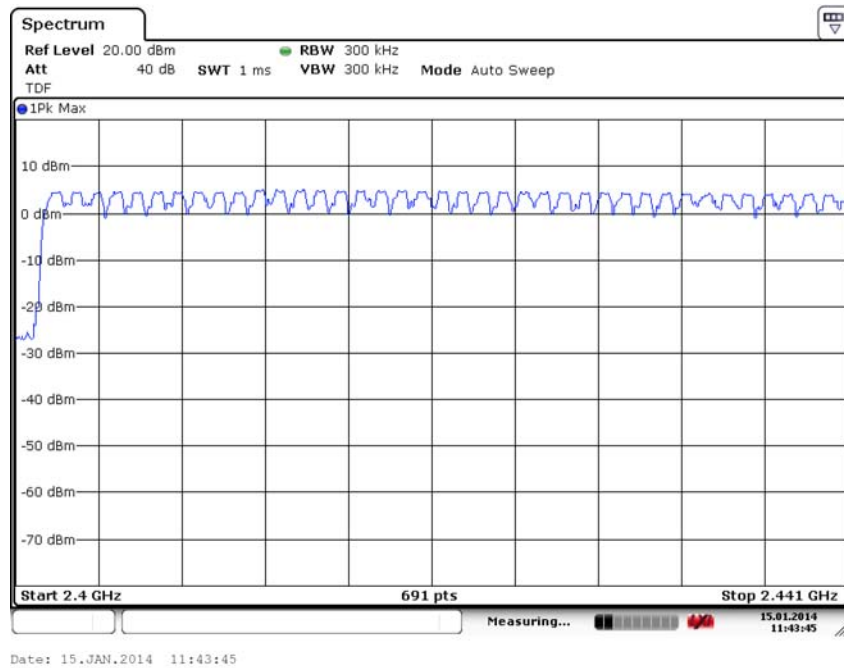


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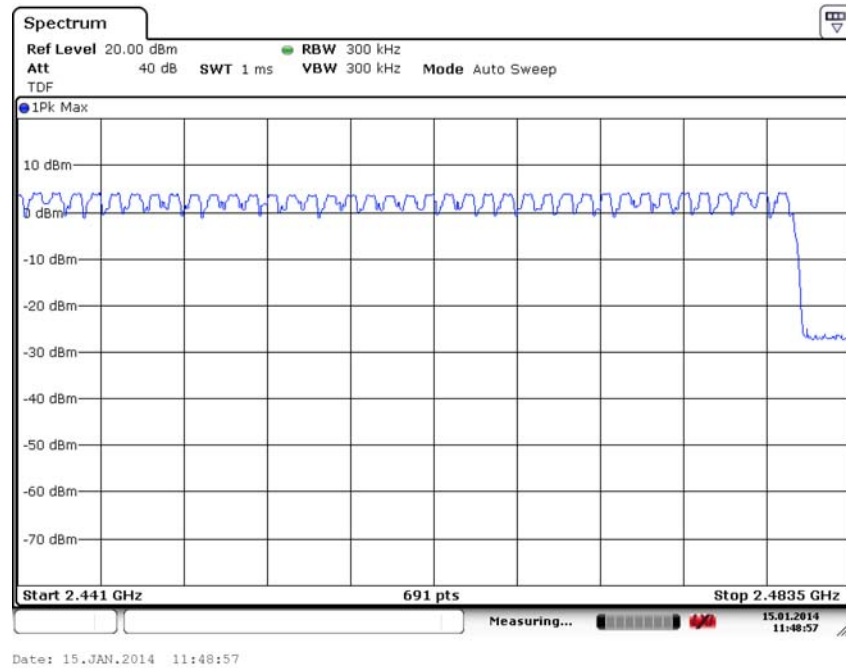
**Fig. 92 Hopping channel ch0~39 ( $\pi/4$  DQPSK, Ch39)**



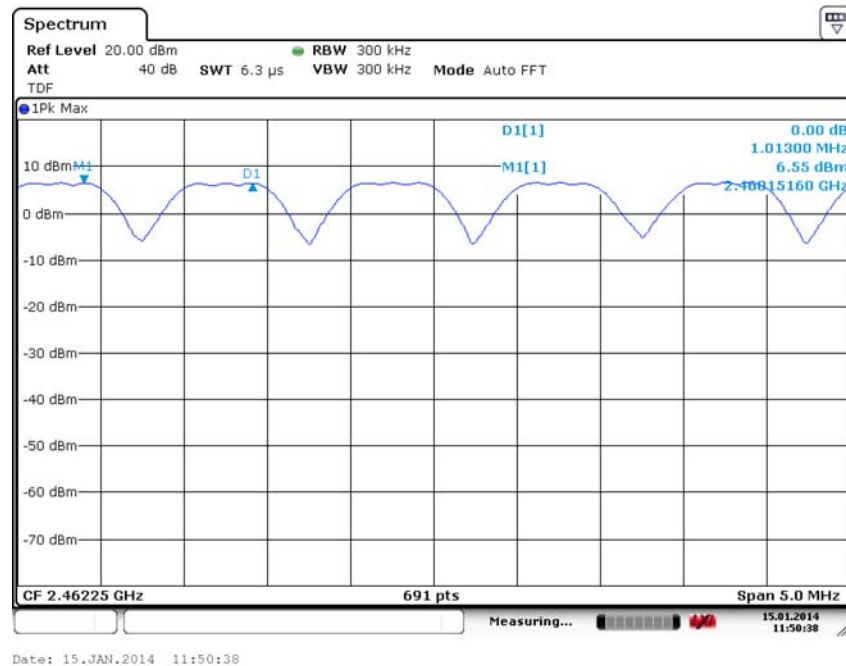
**Fig. 93 Hopping channel ch39~78 ( $\pi/4$  DQPSK, Ch39)**



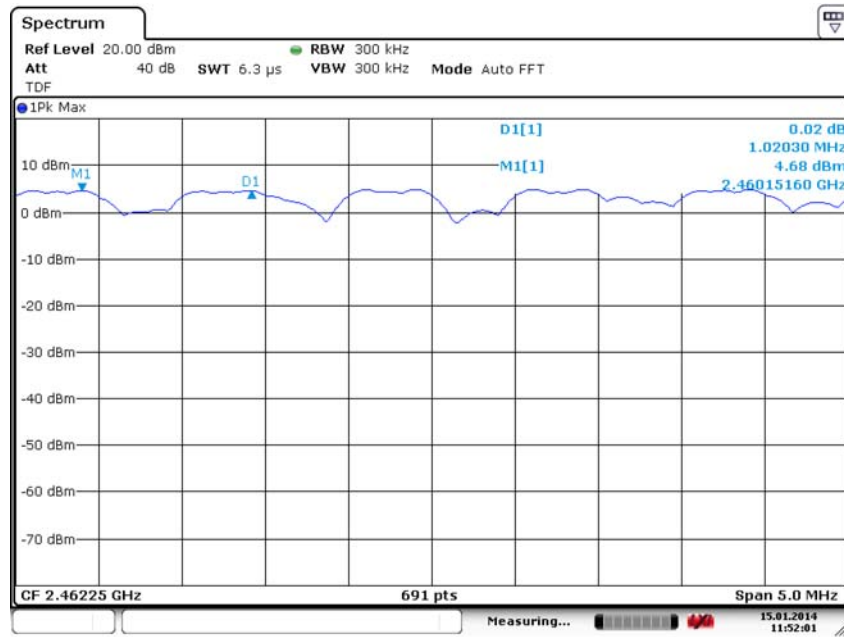
**Fig. 94 Hopping channel ch0~39 (8DPSK, Ch39)**



**Fig. 95 Hopping channel ch39~78 (8DPSK, Ch39)**

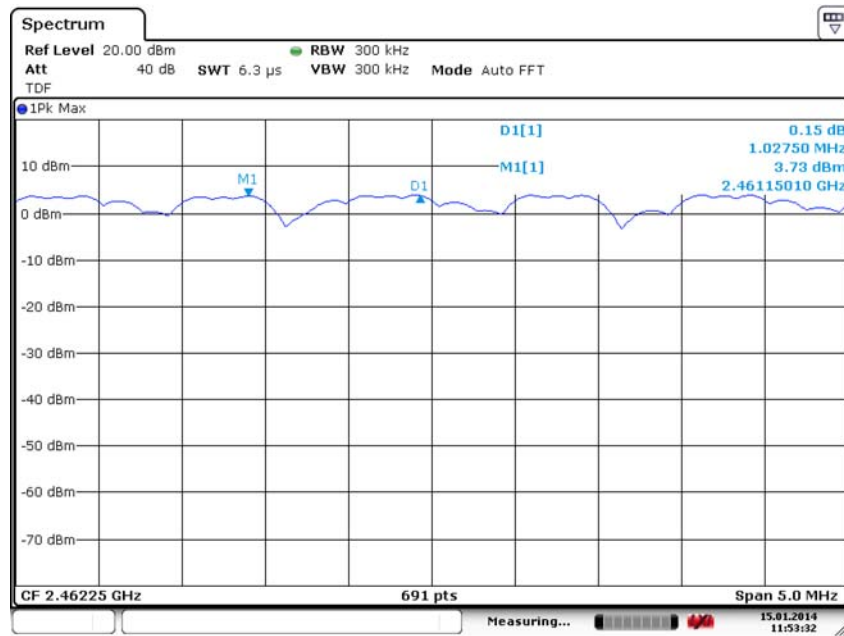


**Fig. 96 Carrier Frequency Separation (GFSK, Ch39)**



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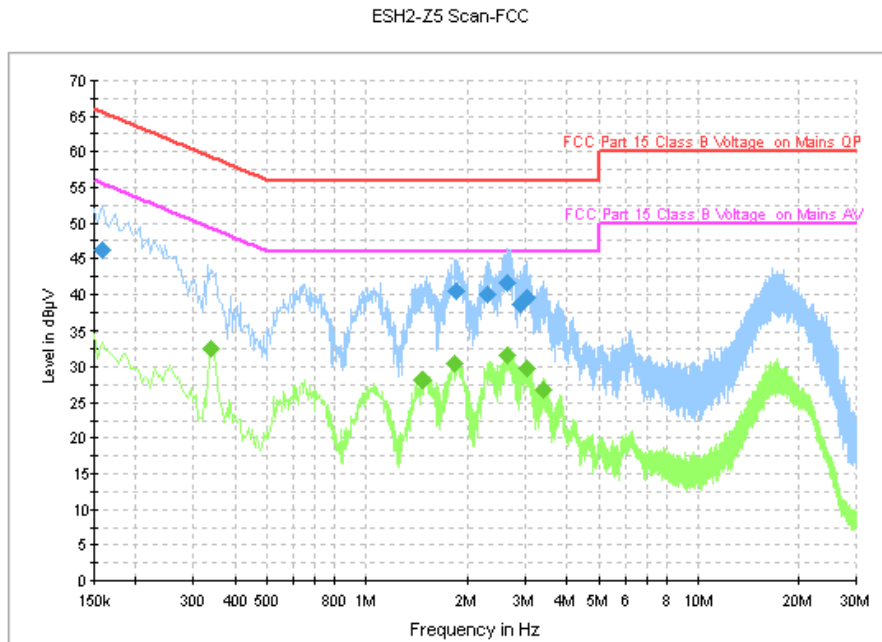
**Fig. 97 Carrier Frequency Separation ( $\pi/4$  DQPSK, Ch39)**



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**Fig. 98 Carrier Frequency Separation (8DPSK, Ch39)**





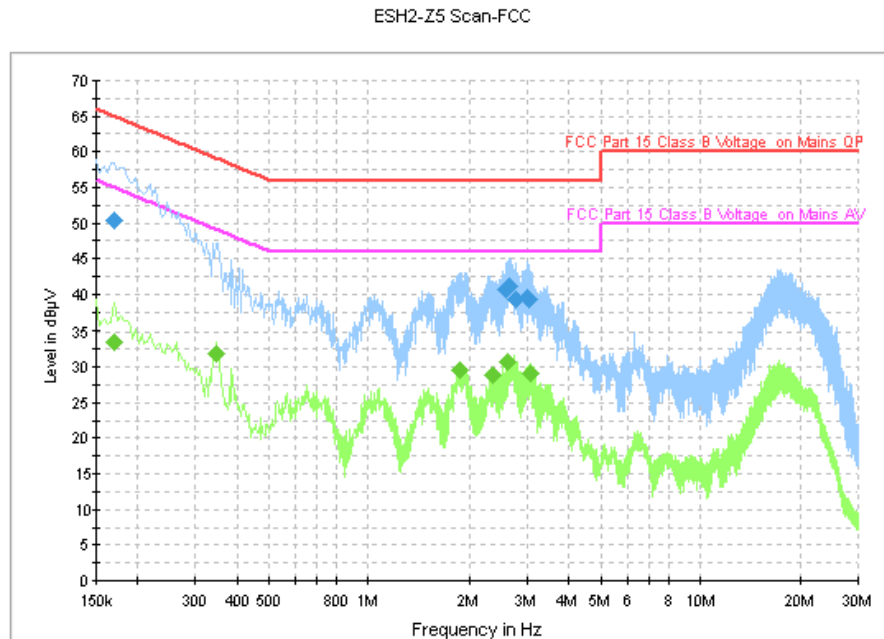
**Fig. 99 AC Power line Conducted Emission (Traffic-AE2)**

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	46.3	FLO	L1	10.0	19.3	65.6
1.858000	40.4	FLO	L1	10.1	15.6	56.0
2.298000	39.9	FLO	L1	10.1	16.1	56.0
2.626000	41.6	FLO	L1	10.2	14.4	56.0
2.878000	38.6	FLO	L1	10.1	17.4	56.0
3.014000	39.5	FLO	L1	10.2	16.5	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.338000	32.6	FLO	L1	10.0	16.7	49.3
1.474000	28.3	FLO	L1	10.1	17.7	46.0
1.826000	30.4	FLO	L1	10.1	15.6	46.0
2.634000	31.8	FLO	L1	10.2	14.2	46.0
3.014000	29.8	FLO	L1	10.2	16.2	46.0
3.386000	26.9	FLO	L1	10.2	19.1	46.0



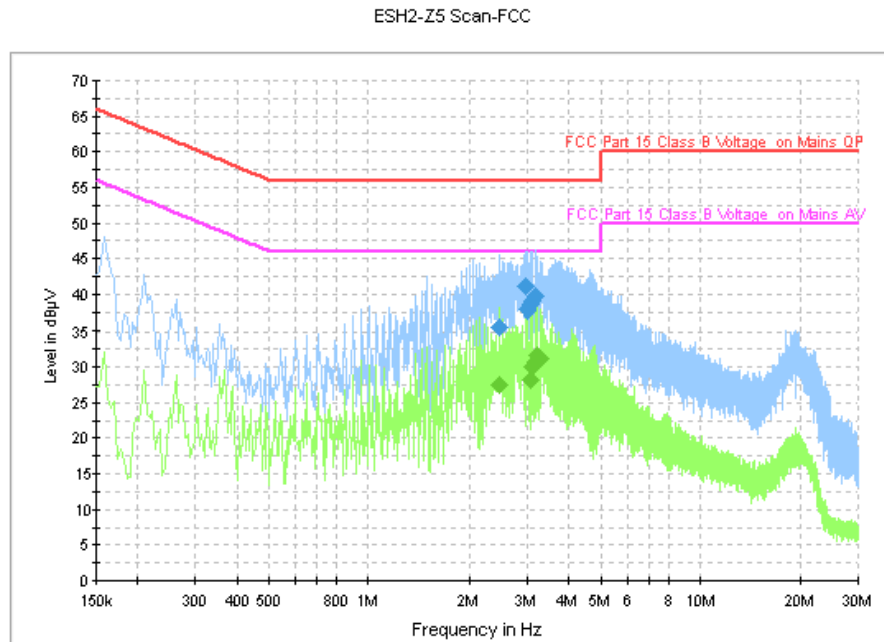
**Fig. 100 AC Power line Conducted Emission (Idle-AE2)**

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.170000	50.4	FLO	L1	10.0	14.6	65.0
2.578000	40.6	FLO	L1	10.2	15.4	56.0
2.650000	41.1	FLO	L1	10.2	14.9	56.0
2.750000	39.3	FLO	L1	10.1	16.7	56.0
3.002000	39.4	FLO	L1	10.2	16.6	56.0
3.018000	39.4	FLO	L1	10.2	16.6	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.170000	33.5	FLO	L1	10.0	21.5	55.0
0.346000	31.9	FLO	L1	10.0	17.1	49.1
1.870000	29.6	FLO	L1	10.1	16.4	46.0
2.354000	28.8	FLO	L1	10.1	17.2	46.0
2.622000	30.7	FLO	L1	10.2	15.3	46.0
3.054000	29.0	FLO	L1	10.2	17.0	46.0



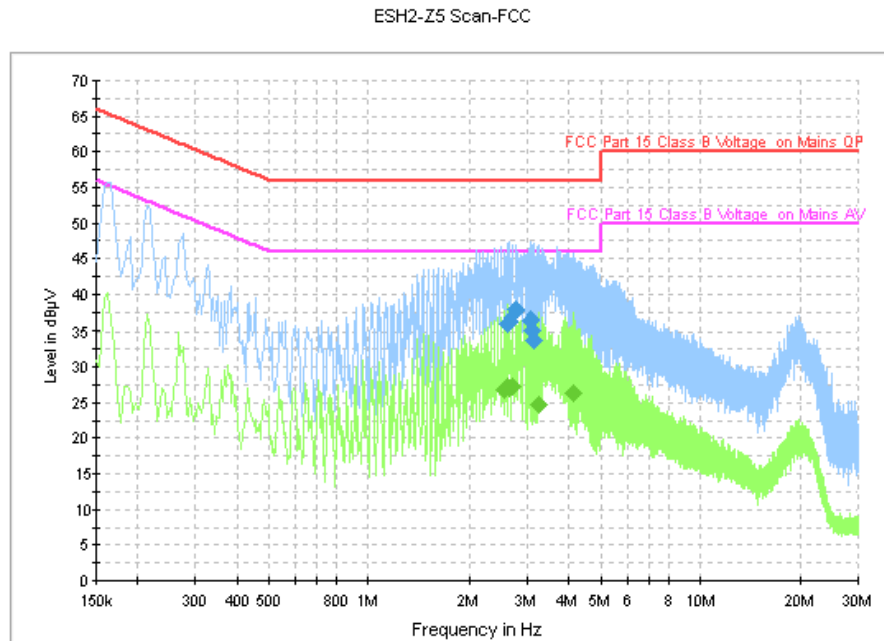
**Fig. 101 AC Power line Conducted Emission (Traffic-AE3)**

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.470000	35.6	FLO	L1	10.1	20.4	56.0
2.954000	41.2	FLO	L1	10.1	14.8	56.0
3.006000	38.0	FLO	L1	10.2	18.0	56.0
3.058000	38.5	FLO	L1	10.2	17.5	56.0
3.110000	39.1	FLO	L1	10.2	16.9	56.0
3.162000	39.8	FLO	L1	10.2	16.2	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.470000	27.4	FLO	L1	10.1	18.6	46.0
3.058000	28.3	FLO	L1	10.2	17.7	46.0
3.110000	30.1	FLO	L1	10.2	15.9	46.0
3.162000	30.7	FLO	L1	10.2	15.3	46.0
3.214000	31.5	FLO	L1	10.2	14.5	46.0
3.266000	31.3	FLO	L1	10.2	14.7	46.0



**Fig. 102 AC Power line Conducted Emission (Idle-AE3)**

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.594000	36.0	FLO	L1	10.2	20.0	56.0
2.646000	36.3	FLO	L1	10.2	19.7	56.0
2.750000	37.9	FLO	L1	10.1	18.1	56.0
3.046000	36.6	FLO	L1	10.2	19.4	56.0
3.098000	35.1	FLO	L1	10.2	20.9	56.0
3.150000	33.7	FLO	L1	10.2	22.3	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
2.542000	26.9	FLO	L1	10.2	19.1	46.0
2.594000	27.2	FLO	L1	10.2	18.8	46.0
2.646000	27.0	FLO	L1	10.2	19.0	46.0
2.698000	27.2	FLO	L1	10.2	18.8	46.0
3.250000	24.8	FLO	L1	10.2	21.2	46.0
4.110000	26.3	FLO	L1	10.2	19.7	46.0

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