



# FCC PART 15C TEST REPORT No. I15N00961-BT

for

**Shenzhen Sang Fei Consumer Communications Co.,Ltd**  
**WCMA/GSM digital mobile phone**

**Model Name: Philips S307**

**With**

**Hardware Version: FS068-MB-V0.2**

**Software Version: S307\_T7731K\_1534\_V02A\_MX**

**FCC ID: VQRCTS307**

**Issued Date: Sep 16<sup>th</sup>, 2015**

**Test Laboratory:**

**FCC 2.948 Listed: No.342690**

**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 CTTL.

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## **REPORT HISTORY**

<b>Report Number</b>	<b>Revision</b>	<b>Description</b>	<b>Issue Date</b>
I15N00961-BT	Rev.0	1st edition	2015-09-16

## **CONTENTS**

<b>1. TEST LABORATORY .....</b>	<b>7</b>
1.1. TESTING LOCATION .....	7
1.2. TESTING ENVIRONMENT.....	7
1.3. PROJECT DATA .....	7
1.4. SIGNATURE .....	7
<b>2. CLIENT INFORMATION.....</b>	<b>8</b>
2.1. APPLICANT INFORMATION .....	8
2.2. MANUFACTURER INFORMATION .....	8
<b>3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE) .....</b>	<b>9</b>
3.1. ABOUT EUT .....	9
3.2. INTERNAL IDENTIFICATION OF EUT .....	9
3.3. INTERNAL IDENTIFICATION OF AE.....	9
<b>4. REFERENCE DOCUMENTS .....</b>	<b>10</b>
4.1. DOCUMENTS SUPPLIED BY APPLICANT .....	10
4.2. REFERENCE DOCUMENTS FOR TESTING.....	10
<b>5. TEST RESULTS .....</b>	<b>11</b>
5.1. SUMMARY OF TEST RESULTS .....	11
5.2. STATEMENTS.....	11
5.3. TERMS USED IN THE RESULT TABLE .....	11
5.4. LABORATORY ENVIRONMENT.....	12
<b>6. TEST FACILITIES UTILIZED .....</b>	<b>13</b>
<b>ANNEX A: MEASUREMENT RESULTS FOR RECEIVER .....</b>	<b>14</b>
A.0 ANTENNA REQUIREMENT .....	14
A.1 MAXIMUM PEAK OUTPUT POWER .....	15
A.2 BAND EDGES COMPLIANCE .....	16
A.3 CONDUCTED EMISSION.....	17
A.4 RADIATED EMISSION.....	18
A.5 OCCUPIED 20dB BANDWIDTH .....	26
A.6 TIME OF OCCUPANCY (DWELL TIME) .....	26
A.7 NUMBER OF HOPPING CHANNELS.....	27
A.8 CARRIER FREQUENCY SEPARATION .....	27
A.9 AC POWER LINE CONDUCTED EMISSION .....	28
<b>ANNEX B: TEST FIGURE LIST.....</b>	<b>30</b>
FIG. 1    MAXIMUM PEAK OUTPUT POWER(GFSK, Ch 0).....	30
FIG. 2    MAXIMUM PEAK OUTPUT POWER(GFSK, Ch 39).....	30
FIG. 3    MAXIMUM PEAK OUTPUT POWER(GFSK, Ch 78).....	31
FIG. 4    MAXIMUM PEAK OUTPUT POWER(II/4 DQPSK, Ch 0) .....	31

FIG. 5	MAXIMUM PEAK OUTPUT POWER( $\pi/4$ DQPSK, CH 39) .....	32
FIG. 6	MAXIMUM PEAK OUTPUT POWER( $\pi/4$ DQPSK, CH 78) .....	32
FIG. 7	MAXIMUM PEAK OUTPUT POWER(8DPSK, CH 0).....	33
FIG. 8	MAXIMUM PEAK OUTPUT POWER(8DPSK, CH 39).....	33
FIG. 9	MAXIMUM PEAK OUTPUT POWER(8DPSK, CH 78).....	34
FIG. 10	BAND EDGES (GFSK, Ch 0, HOPPING ON).....	34
FIG. 11	BAND EDGES (GFSK, Ch 78, HOPPING ON).....	35
FIG. 12	BAND EDGES ( $\pi/4$ DQPSK, Ch 0, HOPPING ON).....	35
FIG. 13	BAND EDGES ( $\pi/4$ DQPSK, Ch 78, HOPPING ON) .....	36
FIG. 14	BAND EDGES (8DPSK, Ch 0, HOPPING ON) .....	36
FIG. 15	BAND EDGES (8DPSK, Ch 78, HOPPING ON) .....	37
FIG. 16	BAND EDGES (GFSK, Ch 0, HOPPING OFF).....	37
FIG. 17	BAND EDGES (GFSK, Ch 78, HOPPING OFF).....	38
FIG. 18	BAND EDGES ( $\pi/4$ DQPSK, Ch 0, HOPPING OFF) .....	38
FIG. 19	BAND EDGES ( $\pi/4$ DQPSK, Ch 78, HOPPING OFF) .....	39
FIG. 20	BAND EDGES (8DPSK, Ch 0, HOPPING OFF).....	39
FIG. 21	BAND EDGES (8DPSK, Ch 78, HOPPING OFF).....	40
FIG. 22	CONDUCTED SPURIOUS EMISSION (GFSK, Ch0, 2.402GHz).....	40
FIG. 23	CONDUCTED SPURIOUS EMISSION (GFSK, Ch0, 30 MHz-3 GHz).....	41
FIG. 24	CONDUCTED SPURIOUS EMISSION (GFSK, Ch0, 3GHz-18 GHz) .....	41
FIG. 25	CONDUCTED SPURIOUS EMISSION (GFSK, Ch39, 2.441GHz) .....	42
FIG. 26	CONDUCTED SPURIOUS EMISSION (GFSK, Ch39, 30 MHz-3 GHz).....	42
FIG. 27	CONDUCTED SPURIOUS EMISSION (GFSK, Ch39, 3GHz-18 GHz) .....	43
FIG. 28	CONDUCTED SPURIOUS EMISSION (GFSK, Ch78, 2.480GHz) .....	43
FIG. 29	CONDUCTED SPURIOUS EMISSION (GFSK, Ch78, 30 MHz-3 GHz).....	44
FIG. 30	CONDUCTED SPURIOUS EMISSION (GFSK, Ch78, 3GHz-18 GHz) .....	44
FIG. 31	CONDUCTED SPURIOUS EMISSION ( $\pi/4$ DQPSK, Ch0, 2.402GHz) .....	45
FIG. 32	CONDUCTED SPURIOUS EMISSION ( $\pi/4$ DQPSK, Ch0, 30 MHz-3 GHz) .....	45
FIG. 33	CONDUCTED SPURIOUS EMISSION ( $\pi/4$ DQPSK, Ch0, 3GHz-18 GHz) .....	46
FIG. 34	CONDUCTED SPURIOUS EMISSION ( $\pi/4$ DQPSK, Ch39, 2.441GHz) .....	46
FIG. 35	CONDUCTED SPURIOUS EMISSION ( $\pi/4$ DQPSK, Ch39, 30 MHz-3 GHz) .....	47
FIG. 36	CONDUCTED SPURIOUS EMISSION ( $\pi/4$ DQPSK, Ch39, 3GHz-18 GHz) .....	47
FIG. 37	CONDUCTED SPURIOUS EMISSION ( $\pi/4$ DQPSK, Ch78, 2.480GHz) .....	48
FIG. 38	CONDUCTED SPURIOUS EMISSION ( $\pi/4$ DQPSK, Ch78, 30 MHz-3 GHz) .....	48
FIG. 39	CONDUCTED SPURIOUS EMISSION ( $\pi/4$ DQPSK, Ch78, 3GHz-18 GHz) .....	49
FIG. 40	CONDUCTED SPURIOUS EMISSION (8DPSK, Ch0, 2.402GHz) .....	49
FIG. 41	CONDUCTED SPURIOUS EMISSION (8DPSK, Ch0, 30 MHz-3 GHz).....	50
FIG. 42	CONDUCTED SPURIOUS EMISSION (8DPSK, Ch0, 3GHz-18 GHz) .....	50
FIG. 43	CONDUCTED SPURIOUS EMISSION (8DPSK, Ch39, 2.441GHz) .....	51
FIG. 44	CONDUCTED SPURIOUS EMISSION (8DPSK, Ch39, 30 MHz-3 GHz).....	51
FIG. 45	CONDUCTED SPURIOUS EMISSION (8DPSK, Ch39, 3GHz-18 GHz) .....	52
FIG. 46	CONDUCTED SPURIOUS EMISSION (8DPSK, Ch78, 2.480GHz) .....	52
FIG. 47	CONDUCTED SPURIOUS EMISSION (8DPSK, Ch78, 30 MHz-3 GHz).....	53
FIG. 48	CONDUCTED SPURIOUS EMISSION (8DPSK, Ch78, 3GHz-18 GHz) .....	53

FIG. 49	CONDUCTED SPURIOUS EMISSION (ALL CHANNEL, 18 GHz-26 GHz) .....	54
FIG.50	RADIATED SPURIOUS EMISSION (GFSK, CH0, 1 GHz-18GHz).....	54
FIG.51	RADIATED SPURIOUS EMISSION (GFSK, CH39, 9 kHz-30MHz).....	55
FIG.52	RADIATED SPURIOUS EMISSION (GFSK, CH39, 30MHz-1 GHz) .....	55
FIG.53	RADIATED SPURIOUS EMISSION (GFSK, CH39, 1 GHz-18GHz).....	56
FIG.54	RADIATED SPURIOUS EMISSION (GFSK, CH39, 18 GHz-26.5GHz).....	56
FIG.55	RADIATED SPURIOUS EMISSION (GFSK, CH78, 1 GHz-18 GHz).....	57
FIG.56	RADIATED EMISSION POWER (GFSK, CH0, 2380GHz~2450GHz) .....	57
FIG.57	RADIATED EMISSION POWER (GFSK, CH78, 2450GHz~2500GHz) .....	58
FIG.58	RADIATED SPURIOUS EMISSION ( $\pi/4$ DQPSK, CH0, 1 GHz-18GHz).....	58
FIG.59	RADIATED SPURIOUS EMISSION ( $\pi/4$ DQPSK, CH39, 30MHz-1 GHz) .....	59
FIG.60	RADIATED SPURIOUS EMISSION ( $\pi/4$ DQPSK, CH39, 1 GHz-18GHz).....	59
FIG.61	RADIATED SPURIOUS EMISSION ( $\pi/4$ DQPSK, CH39, 18 GHz-26.5GHz).....	60
FIG.62	RADIATED SPURIOUS EMISSION ( $\pi/4$ DQPSK, CH78, 1 GHz-18 GHz) .....	60
FIG.63	RADIATED EMISSION POWER ( $\pi/4$ DQPSK, CH0, 2380GHz~2450GHz) .....	61
FIG.64	RADIATED EMISSION POWER ( $\pi/4$ DQPSK, CH78, 2450GHz~2500GHz) .....	61
FIG.65	RADIATED SPURIOUS EMISSION (8DPSK, CH0, 1 GHz-18GHz).....	62
FIG.66	RADIATED SPURIOUS EMISSION (8DPSK, CH39, 30MHz-1 GHz) .....	62
FIG.67	RADIATED SPURIOUS EMISSION (8DPSK, CH39, 1 GHz-18GHz) .....	63
FIG.68	RADIATED SPURIOUS EMISSION (8DPSK, CH39, 18 GHz-26.5GHz).....	63
FIG.69	RADIATED SPURIOUS EMISSION (8DPSK, CH78, 1 GHz-18 GHz) .....	64
FIG.70	RADIATED EMISSION POWER (8DPSK, CH0, 2380GHz~2450GHz) .....	64
FIG.71	RADIATED EMISSION POWER (8DPSK, CH78, 2450GHz~2500GHz) .....	65
FIG. 72	OCCUPIED 20DB BANDWIDTH (GFSK, CH 0).....	65
FIG. 73	OCCUPIED 20DB BANDWIDTH (GFSK, CH 39).....	66
FIG. 74	OCCUPIED 20DB BANDWIDTH (GFSK, CH 78).....	66
FIG. 75	OCCUPIED 20DB BANDWIDTH ( $\pi/4$ DQPSK, CH 0).....	67
FIG. 76	OCCUPIED 20DB BANDWIDTH ( $\pi/4$ DQPSK, CH 39).....	67
FIG. 77	OCCUPIED 20DB BANDWIDTH ( $\pi/4$ DQPSK, CH 78).....	68
FIG. 78	OCCUPIED 20DB BANDWIDTH (8DPSK, CH 0).....	68
FIG. 79	OCCUPIED 20DB BANDWIDTH (8DPSK, CH 39).....	69
FIG. 80	OCCUPIED 20DB BANDWIDTH (8DPSK, CH 78).....	69
FIG. 81	TIME OF OCCUPANCY(DWELL TIME) (GFSK, CH39) .....	70
FIG. 82	NUMBER OF TRANSMISSIONS (GFSK, CH39) .....	70
FIG. 83	TIME OF OCCUPANCY(DWELL TIME) ( $\pi/4$ DQPSK, CH39) .....	71
FIG. 84	NUMBER OF TRANSMISSIONS ( $\pi/4$ DQPSK, CH39) .....	71
FIG. 85	TIME OF OCCUPANCY(DWELL TIME) (8DPSK, CH39) .....	72
FIG. 86	NUMBER OF TRANSMISSIONS (8DPSK, CH39) .....	72
FIG. 87	HOPPING CHANNEL CH0~39 (GFSK, CH39) .....	73
FIG. 88	HOPPING CHANNEL CH39~78 (GFSK, CH39) .....	73
FIG. 89	HOPPING CHANNEL CH0~39 ( $\pi/4$ DQPSK, CH39) .....	74
FIG. 90	HOPPING CHANNEL CH39~78 ( $\pi/4$ DQPSK, CH39) .....	74
FIG. 91	HOPPING CHANNEL CH0~39 (8DPSK, CH39) .....	75
FIG. 92	HOPPING CHANNEL CH39~78 (8DPSK, CH39) .....	75

FIG. 93	CARRIER FREQUENCY SEPARATION (GFSK, CH39).....	76
FIG. 94	CARRIER FREQUENCY SEPARATION (I/I/4 DQPSK, CH39) .....	76
FIG. 95	CARRIER FREQUENCY SEPARATION (8DPSK, CH39).....	77
FIG. 96	AC POWER LINE CONDUCTED EMISSION (TRAFFIC, AE1).....	78
FIG. 97	AC POWER LINE CONDUCTED EMISSION (TRAFFIC, AE2).....	79
FIG. 98	AC POWER LINE CONDUCTED EMISSION (IDLE, AE1).....	80
FIG. 99	AC POWER LINE CONDUCTED EMISSION (IDLE, AE2).....	81
<b>ANNEX C: PERSONS INVOLVED IN THIS TESTING .....</b>		<b>82</b>



## **1. Test Laboratory**

### **1.1. Testing Location**

Location1: CTTL(South Branch)

Address: TCL International E city No. 1001 Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong, China 518000

### **1.2. Testing Environment**

Normal Temperature: 15-35°C

Extreme Temperature: -20/+55°C

Relative Humidity: 20-75%

### **1.3. Project data**

Testing Start Date: 2015-08-26

Testing End Date: 2015-09-11

### **1.4. Signature**

A handwritten signature in black ink, appearing to read "徐叶".

Xu Ye

(Prepared this test report)

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## 2. Client Information

### 2.1. Applicant Information

Company Name: Shenzhen Sang Fei Consumer Communications Co.,Ltd  
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Nanshan District, Shenzhen 518057 PRC  
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Postal Code: /  
Country: China  
Telephone: 86-755-36358392  
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### 2.2. Manufacturer Information

Company Name: Shenzhen FortuneShip Technology Co., Ltd  
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City: Shenzhen  
Postal Code: /  
Country: China  
Telephone: 86 755 2639 7053  
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### **3. Equipment Under Test (EUT) and Ancillary Equipment (AE)**

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

Description	WCMA/GSM digital mobile phone
Model Name	Philips S307
Market Name	Philips S307
Frequency Band	2402MHz~2480MHz
Type of Modulation	GFSK/ $\pi$ /4 DQPSK/8DPSK
Number of Channels	79
FCC ID	VQRCTS307

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

#### **3.2. Internal Identification of EUT**

EUT ID*	IMEI	HW Version	SW Version
EUT1	/	FS068-MB-V0.2	S307_T7731K_1534_V02A_MX

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

#### **3.3. Internal Identification of AE**

AE ID*	Description	Type	SN
AE1	Charger	A31-3762-500550	/
AE2	Charger	SKL-05E10	/

\*AE ID: is used to identify the test sample 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, 2014
ANSI C63.10	American National Standard for Testing Unlicensed Jun,2013 Wireless Devices	

## **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
9	AC Powerline Conducted Emission	15.107,15.207	P

See ANNEX B and ANNEX C 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 isotropical radiated power
ISM	Industrial, Scientific and Medical
R&TTE	Radio and Telecommunications Terminal Equipment
RF	Radio Frequency
Tx	Transmitter

#### **5.4. Laboratory Environment**

**Semi-anechoic chamber** (23 meters×17 meters×10 meters) did not exceed following limits:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz - 1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 M
Ground system resistance	< 4
Normalised site attenuation (NSA)	< ± 4 dB, 3m/10m distance, from 30 to 1000 MHz
Site voltage standing-wave ratio ( $S_{VSWR}$ )	Between 0 and 6 dB, from 1GHz to 18GHz
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. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz - 1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 M
Ground system resistance	< 4

## **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	2016-04-21	1 year
2	Bluetooth Tester	CBT32	100584	Rohde & Schwarz	2016-01-10	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	2018-05-13	3 years
2	Test Receiver	ESCI	100701	Rohde & Schwarz	2016-08-10	1 year
3	BiLog Antenna	VULB9163	9163 329	Schwarzbeck	2017-01-20	3 years
4	Horn Antenna	3117	00066577	ETS-Lindgren	2016-04-01	3 years
5	Universal Radio Communication Tester	CMU200	114544	Rohde & Schwarz	2016-09-10	1 year
6	Universal Radio Communication Tester	CMW500	152499	Schwarzbeck	2016-07-23	1 year
7	Spectrum Analyser	FSP40	100378	Rohde & Schwarz	2015-12-19	1 year

### **Anechoic chamber**

Fully anechoic chamber by ETS-Lindgren.

## **ANNEX A: MEASUREMENT RESULTS FOR RECEIVER**

### **A.0 Antenna requirement**

#### **Measurement Limit:**

<b>Standard</b>	<b>Requirement</b>
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 -0.3 dBi.**

**The RF transmitter uses an integrate antenna without connector.**

### A.1 Maximum Peak Output Power

#### Measurement Limit:

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

#### Measurement Results:

Mode	Test Result (dBm)					
	2402MHz (Ch0)		2441MHz (Ch39)		2480 MHz (Ch78)	
GFSK	Fig.1	0.16	Fig.2	0.49	Fig.3	0.10
$\pi/4$ DQPSK	Fig.4	1.22	Fig.5	2.03	Fig.6	1.67
8DPSK	Fig.7	1.96	Fig.8	2.56	Fig.9	2.12

Conclusion: Pass

## A.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.10	P
	78	ON	Fig.11	P
$\pi / 4$ 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
$\pi / 4$ DQPSK	0	OFF	Fig.18	P
	78	OFF	Fig.19	P
8DPSK	0	OFF	Fig.20	P
	78	OFF	Fig.21	P

See ANNEX C for test graphs.

Conclusion: Pass

### A.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.22	P
		30 MHz-3GHz	Fig.23	P
		3GHz-18GHz	Fig.24	P
	39	2.441 GHz	Fig.25	P
		30 MHz-3 GHz	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
$\pi/4$ DQPSK	0	2.402 GHz	Fig.31	P
		30 MHz-3 GHz	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
8DPSK	0	2.402 GHz	Fig.40	P
		30 MHz-3GHz	Fig.41	P
		3GHz-18GHz	Fig.42	P
	39	2.441 GHz	Fig.43	P
		30 MHz-3GHz	Fig.44	P
		3GHz-18GHz	Fig.45	P
	78	2.480 GHz	Fig.46	P
		30 MHz-3GHz	Fig.47	P
		3GHz-18GHz	Fig.48	P
/	All channel	18GHz-26GHz	Fig.49	P

See ANNEX C for test graphs.

Conclusion: Pass

#### A.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(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.

**Measurement Results:**
**GFSK mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
GFSK	0	1 GHz ~ 18 GHz	Fig.50	P
	39	9 kHz ~30 MHz	Fig.51	P
		30 MHz ~1 GHz	Fig.52	P
		1 GHz ~ 18 GHz	Fig.53	P
		18 GHz~ 26.5 GHz	Fig.54	P
	78	1 GHz ~ 18 GHz	Fig.55	P
	Power(CH0)	2.38 GHz ~ 2.45 GHz	Fig.56	P
	Power(CH78)	2.45 GHz ~ 2.5 GHz	Fig.57	P
$\pi/4$ DQPSK	0	1 GHz ~ 18 GHz	Fig.58	P
	39	30 MHz ~1 GHz	Fig.59	P
		1 GHz ~ 18 GHz	Fig.60	P
		18 GHz~ 26.5 GHz	Fig.61	P
	78	1 GHz ~ 18 GHz	Fig.62	P
	Power(CH0)	2.38 GHz ~ 2.45 GHz	Fig.63	P
	Power(CH78)	2.45 GHz ~ 2.5 GHz	Fig.64	P
8DPSK	0	1 GHz ~ 18 GHz	Fig.65	P
	39	30 MHz ~1 GHz	Fig.66	P
		1 GHz ~ 18 GHz	Fig.67	P
		18 GHz~ 26.5 GHz	Fig.68	P
	78	1 GHz ~ 18 GHz	Fig.69	P
	Power(CH0)	2.38 GHz ~ 2.45 GHz	Fig.70	P
	Power(CH78)	2.45 GHz ~ 2.5 GHz	Fig.71	P

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

Frequency (MHz)	MaxPeak-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14146.000000	55.7	V	11.2	18.3	74.0
15159.000000	56.1	V	12.1	17.9	74.0
15739.000000	58.2	V	12.9	15.8	74.0
15851.000000	57.8	H	13.0	16.2	74.0
16667.000000	57.9	H	13.9	16.1	74.0
17360.000000	57.6	H	14.2	16.4	74.0

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

Frequency (MHz)	Average-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14449.000000	43.3	V	11.6	10.7	54.0
15166.000000	44.4	H	12.1	9.6	54.0
15785.000000	46.0	H	13.0	8.0	54.0
16224.000000	45.6	V	13.3	8.4	54.0
16822.000000	46.2	H	14.0	7.8	54.0
17365.000000	45.9	H	14.3	8.1	54.0

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

Frequency (MHz)	MaxPeak-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14181.000000	55.6	V	11.3	18.4	74.0
15129.000000	56.0	V	12.1	18.0	74.0
15700.000000	57.7	H	12.8	16.3	74.0
16188.000000	58.1	V	13.3	15.9	74.0
16844.000000	58.6	H	14.0	15.4	74.0
17432.000000	58.0	H	14.3	16.0	74.0

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

Frequency (MHz)	Average-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14527.000000	43.5	V	11.7	10.5	54.0
15113.000000	44.5	V	12.1	9.5	54.0
15777.000000	46.1	V	12.9	7.9	54.0
16232.000000	45.7	V	13.3	8.3	54.0
16754.000000	46.1	H	14.0	7.9	54.0
17383.000000	45.9	V	14.3	8.1	54.0

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

Frequency (MHz)	MaxPeak-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14072.000000	55.4	H	11.1	18.6	74.0
15108.000000	56.1	H	12.1	17.9	74.0
15776.000000	57.9	H	12.9	16.1	74.0
16202.000000	57.6	H	13.3	16.4	74.0
16754.000000	58.1	H	14.0	15.9	74.0
17375.000000	58.3	V	14.3	15.7	74.0

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

Frequency (MHz)	Average-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14524.000000	43.5	V	11.7	10.5	54.0
15134.000000	44.6	H	12.1	9.4	54.0
15752.000000	46.0	V	12.9	8.0	54.0
16268.000000	45.8	H	13.4	8.2	54.0
16738.000000	46.3	V	13.9	7.7	54.0
17316.000000	46.1	H	14.2	7.9	54.0

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

Frequency (MHz)	MaxPeak-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14412.000000	54.5	V	11.5	19.5	74.0
15184.000000	55.2	H	12.1	18.8	74.0
15676.000000	57.1	H	12.8	16.9	74.0
16291.000000	56.2	V	13.4	17.8	74.0
16738.000000	57.2	V	13.9	16.8	74.0
17402.000000	57.6	H	14.3	16.4	74.0

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

Frequency (MHz)	Average-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14151.000000	42.4	V	11.2	11.6	54.0
15113.000000	43.4	V	12.1	10.6	54.0
15757.000000	44.9	V	12.9	9.1	54.0
16206.000000	44.6	V	13.3	9.4	54.0
16832.000000	45.1	V	14.0	8.9	54.0
17357.000000	44.6	H	14.2	9.4	54.0

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

Frequency (MHz)	MaxPeak-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14138.000000	54.1	V	11.2	19.9	74.0
14957.000000	55.5	V	11.9	18.5	74.0
15785.000000	57.0	V	13.0	17.0	74.0
16259.000000	56.0	V	13.3	18.0	74.0
16770.000000	57.5	V	14.0	16.5	74.0
17347.000000	56.8	H	14.2	17.2	74.0

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

Frequency (MHz)	Average-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14152.000000	42.6	H	11.2	11.4	54.0
15129.000000	43.6	H	12.1	10.4	54.0
15762.000000	45.3	H	12.9	8.7	54.0
16214.000000	44.8	V	13.3	9.2	54.0
16773.000000	45.3	H	14.0	8.7	54.0
17406.000000	45.0	V	14.3	9.0	54.0

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

Frequency (MHz)	MaxPeak-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14146.000000	55.2	V	11.2	18.8	74.0
14977.000000	56.0	V	11.9	18.0	74.0
15798.000000	58.7	V	13.0	15.3	74.0
16381.000000	57.3	H	13.6	16.7	74.0
16786.000000	57.7	H	14.0	16.3	74.0
17506.000000	57.7	H	14.3	16.3	74.0

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

Frequency (MHz)	Average-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14503.000000	43.3	V	11.7	10.7	54.0
15064.000000	44.2	H	12.0	9.8	54.0
15770.000000	45.8	V	12.9	8.2	54.0
16247.000000	45.6	H	13.3	8.4	54.0
16819.000000	45.9	V	14.0	8.1	54.0
17352.000000	45.7	H	14.2	8.3	54.0

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

Frequency (MHz)	MaxPeak-ClearWrite (dB $\mu$ V/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
14121.000000	55.5	V	11.2	18.5	74.0
15069.000000	55.0	V	12.0	19.0	74.0
15800.000000	56.7	H	13.0	17.3	74.0
16172.000000	56.4	H	13.3	17.6	74.0
16741.000000	56.6	H	14.0	17.4	74.0
17355.000000	56.9	H	14.2	17.1	74.0

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

Frequency (MHz)	Average-ClearWrite (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14176.000000	42.6	V	11.3	11.4	54.0
15126.000000	43.5	V	12.1	10.5	54.0
15752.000000	45.2	V	12.9	8.8	54.0
16190.000000	44.8	H	13.3	9.2	54.0
16791.000000	45.4	V	14.0	8.6	54.0
17393.000000	44.9	H	14.3	9.1	54.0

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

Frequency (MHz)	MaxPeak-ClearWrite (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14206.000000	54.6	H	11.3	19.4	74.0
15126.000000	55.8	V	12.1	18.2	74.0
15769.000000	57.3	V	12.9	16.7	74.0
16186.000000	56.9	H	13.3	17.1	74.0
16814.000000	57.0	V	14.0	17.0	74.0
17450.000000	57.8	H	14.3	16.2	74.0

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

Frequency (MHz)	Average-ClearWrite (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14164.000000	42.6	H	11.2	11.4	54.0
15134.000000	43.6	H	12.1	10.4	54.0
15739.000000	45.4	H	12.9	8.6	54.0
16234.000000	44.9	H	13.3	9.1	54.0
16776.000000	45.3	V	14.0	8.7	54.0
17360.000000	45.0	V	14.2	9.0	54.0

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

Frequency (MHz)	MaxPeak-ClearWrite (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14251.000000	54.5	V	11.3	19.5	74.0
15078.000000	55.8	V	12.0	18.2	74.0
15680.000000	57.3	V	12.8	16.7	74.0
15847.000000	56.4	V	13.0	17.6	74.0
16762.000000	56.8	V	14.0	17.2	74.0
17866.000000	56.6	V	14.4	17.4	74.0

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

Frequency (MHz)	Average-ClearWrite (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14161.000000	42.6	H	11.2	11.4	54.0
15166.000000	43.7	H	12.1	10.3	54.0
15767.000000	45.4	V	12.9	8.6	54.0
16247.000000	44.9	V	13.3	9.1	54.0
16796.000000	45.5	V	14.0	8.5	54.0
17357.000000	45.1	V	14.2	8.9	54.0

See ANNEX C for test graphs.

**Conclusion: Pass**

### A.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
GFSK	0	Fig.72	1.121	/
	39	Fig.73	1.165	
	78	Fig.74	1.099	
$\pi/4$ DQPSK	0	Fig.75	1.374	/
	39	Fig.76	1.375	
	78	Fig.77	1.374	
8DPSK	0	Fig.78	1.375	/
	39	Fig.79	1.375	
	78	Fig.80	1.375	

See ANNEX C for test graphs.

Conclusion: PASS

### A.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
GFSK	39	DH5	Fig.81	177.6	P
			Fig.82		
$\pi/4$ DQPSK	39	2-DH5	Fig.83	147.5	P
			Fig.84		
8DPSK	39	3-DH5	Fig.85	155.9	P
			Fig.86		

See ANNEX C for test graphs.

Conclusion: Pass

### A.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.87	Fig.88	79
$\pi/4$ DQPSK	39	2-DH5	Fig.89	Fig.90	79
8DPSK	39	3-DH5	Fig.91	Fig.92	79

See ANNEX C for test graphs.

**Conclusion:** Pass

### A.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.93	1.006	P
$\pi/4$ DQPSK	39	2-DH5	Fig.94	1.006	P
8DPSK	39	3-DH5	Fig.95	1.006	P

See ANNEX C for test graphs.

**Conclusion:** Pass

### 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 (dB $\mu$ V)	Result (dB $\mu$ V)	Conclusion
		Traffic	
0.15 to 0.5	66 to 56	Fig.96	P
0.5 to 5			
5 to 30			

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 (dB $\mu$ V)	Result (dB $\mu$ V)	Conclusion
		Traffic	
0.15 to 0.5	56 to 46	Fig.96	P
0.5 to 5			
5 to 30			

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)-AE2

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)	Conclusion
		Traffic	
0.15 to 0.5	66 to 56	Fig.97	P
0.5 to 5			
5 to 30			

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	
0.15 to 0.5	56 to 46	Fig.97	P
0.5 to 5			
5 to 30			

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)-AE1

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Idle		
0.15 to 0.5	66 to 56	Fig.98	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 (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Idle		
0.15 to 0.5	56 to 46	Fig.98	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)-AE2

Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Result (dB $\mu$ V)		Conclusion
		Idle		
0.15 to 0.5	66 to 56	Fig.99	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
		Idle		
0.15 to 0.5	56 to 46	Fig.99	P	
0.5 to 5	46			
5 to 30	50			

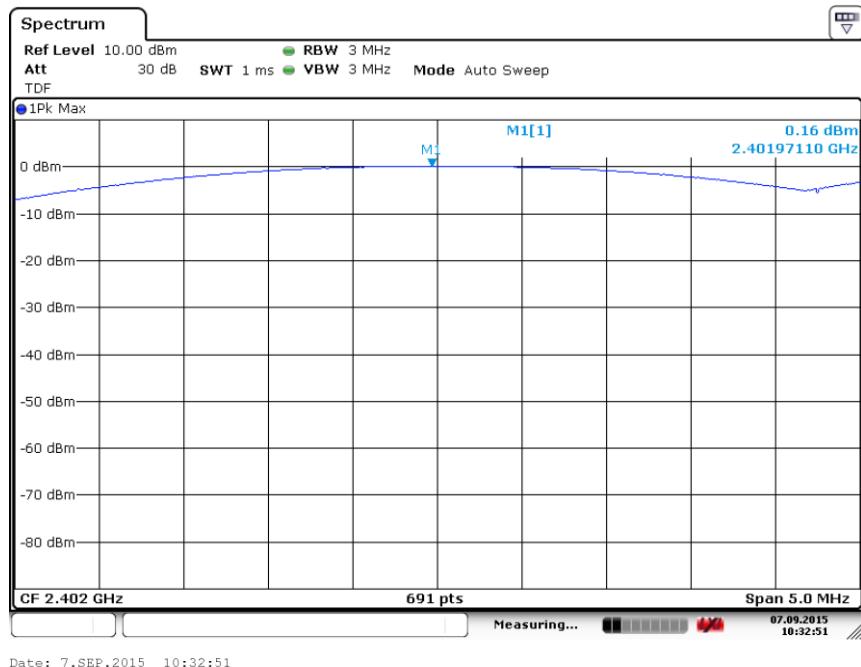
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

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

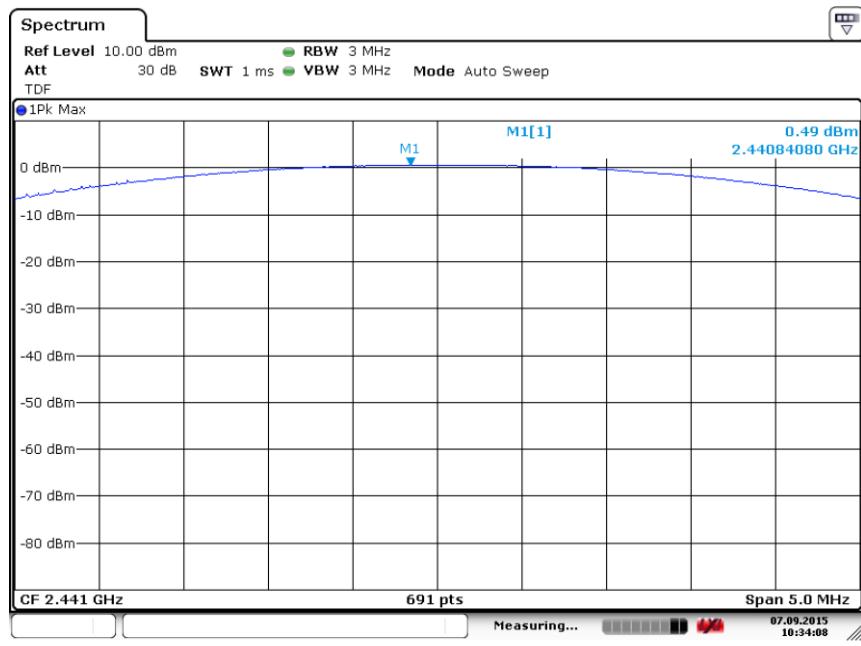
See ANNEX C for test graphs.

**Conclusion: Pass**

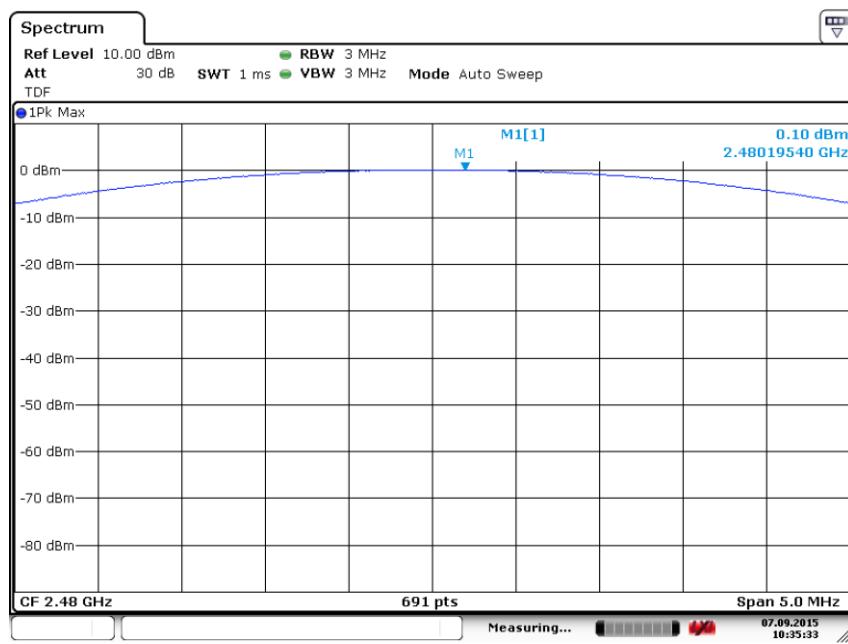
## ANNEX B: TEST FIGURE LIST



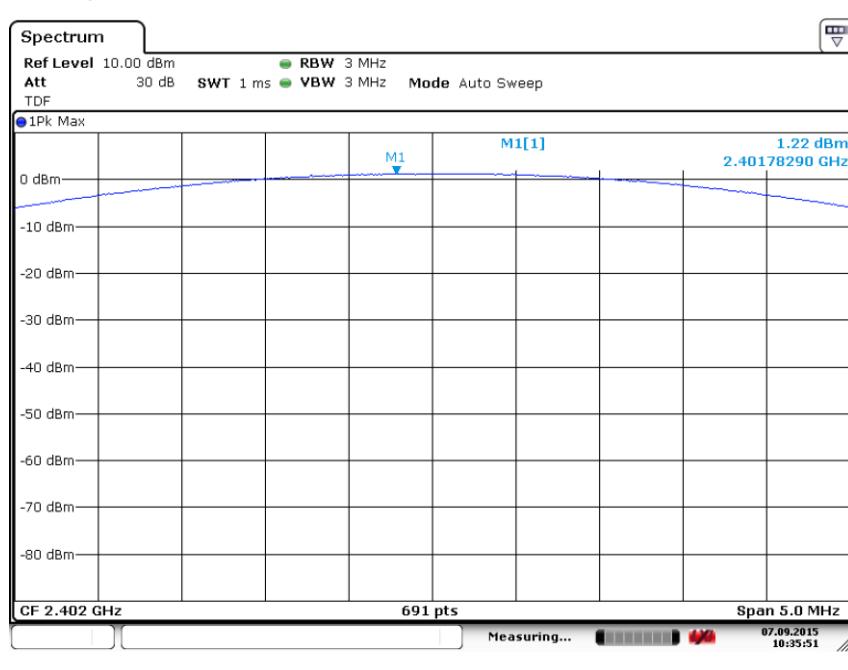
**Fig. 1 Maximum Peak Output Power(GFSK, Ch 0)**



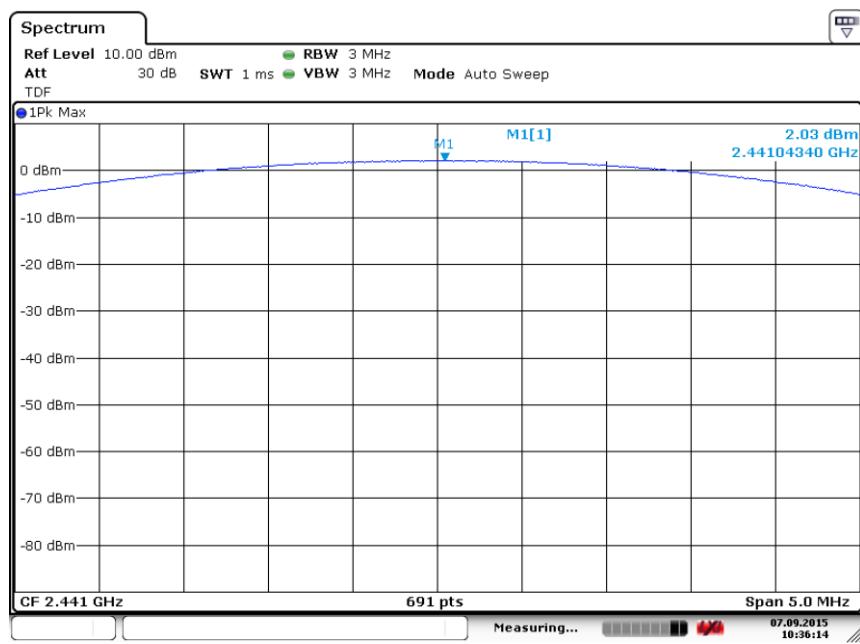
**Fig. 2 Maximum Peak Output Power(GFSK, Ch 39)**



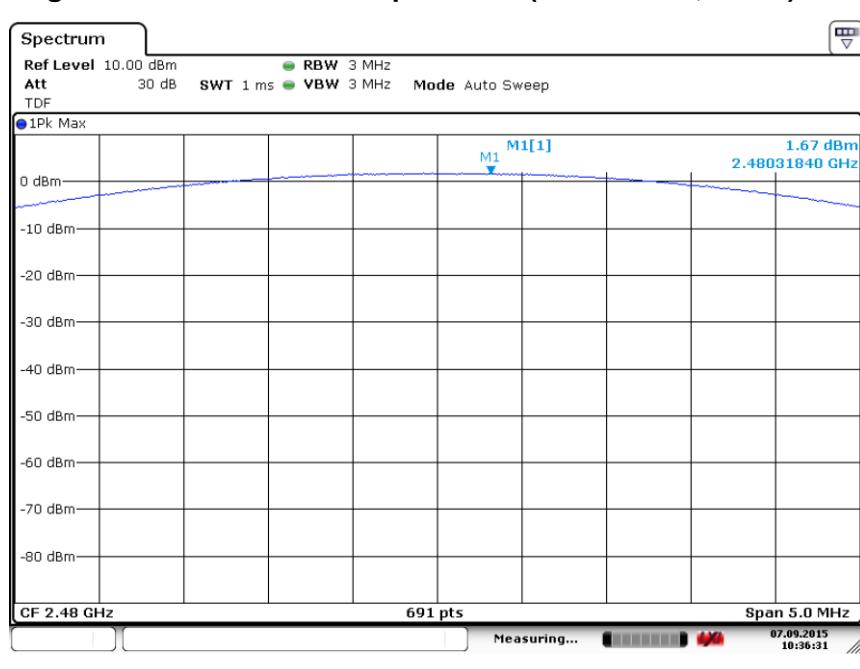
**Fig. 3 Maximum Peak Output Power(GFSK, Ch 78)**



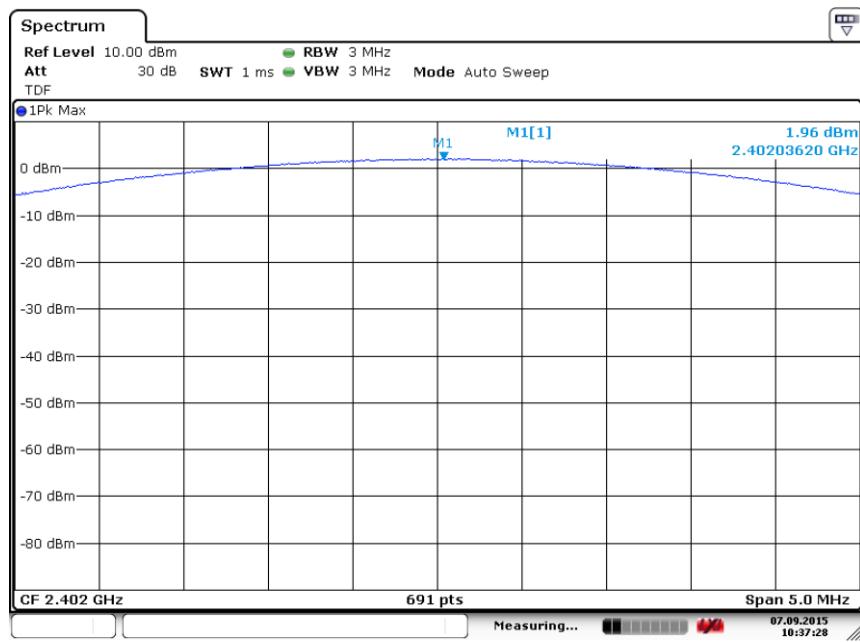
**Fig. 4 Maximum Peak Output Power( $\pi/4$  DQPSK, Ch 0)**



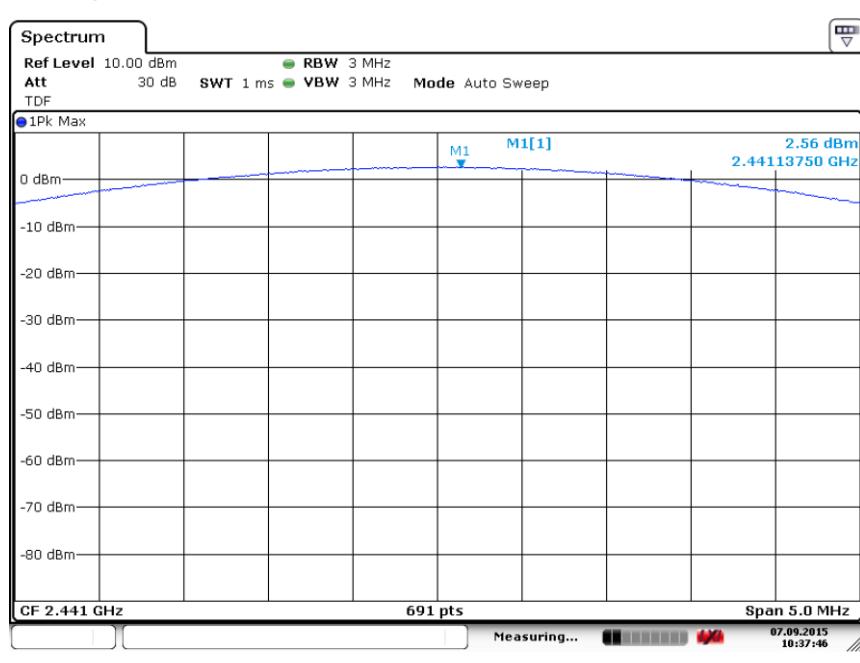
**Fig. 5 Maximum Peak Output Power( $\pi/4$  DQPSK, Ch 39)**



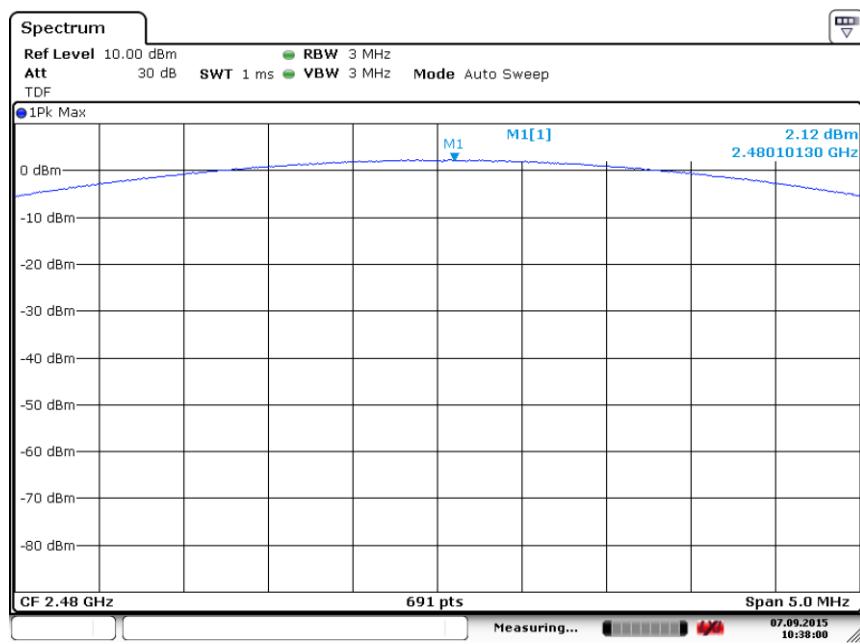
**Fig. 6 Maximum Peak Output Power( $\pi/4$  DQPSK, Ch 78)**



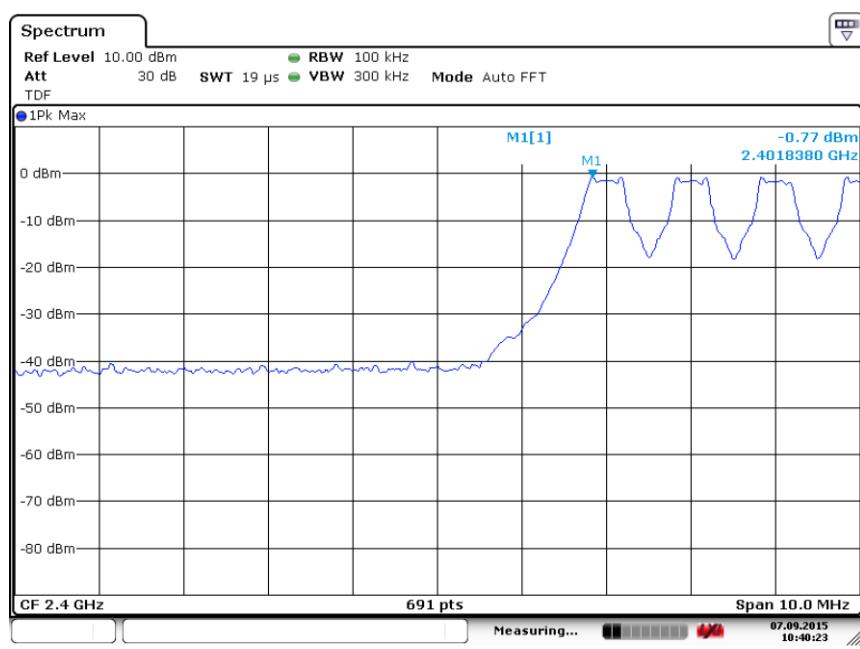
**Fig. 7 Maximum Peak Output Power(8DPSK, Ch 0)**



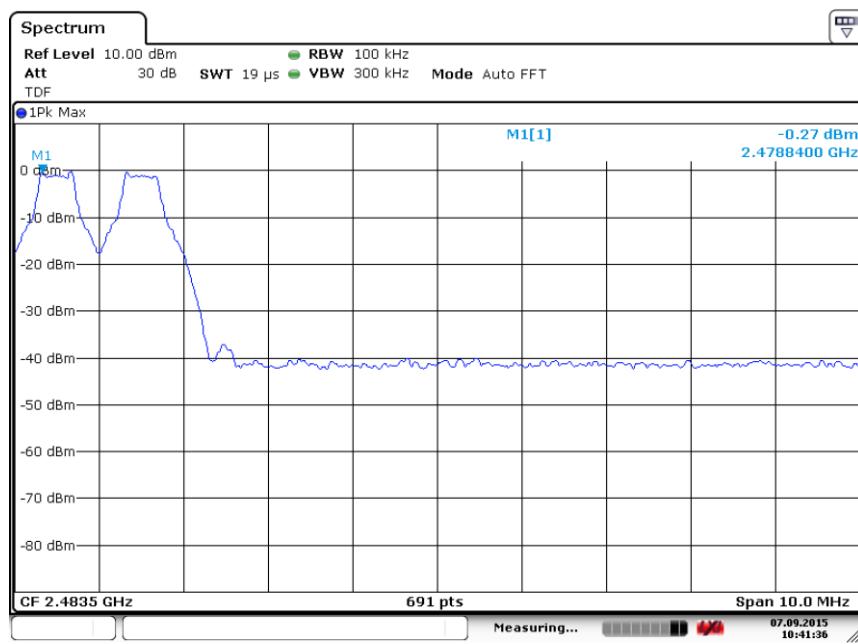
**Fig. 8 Maximum Peak Output Power(8DPSK, Ch 39)**



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



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



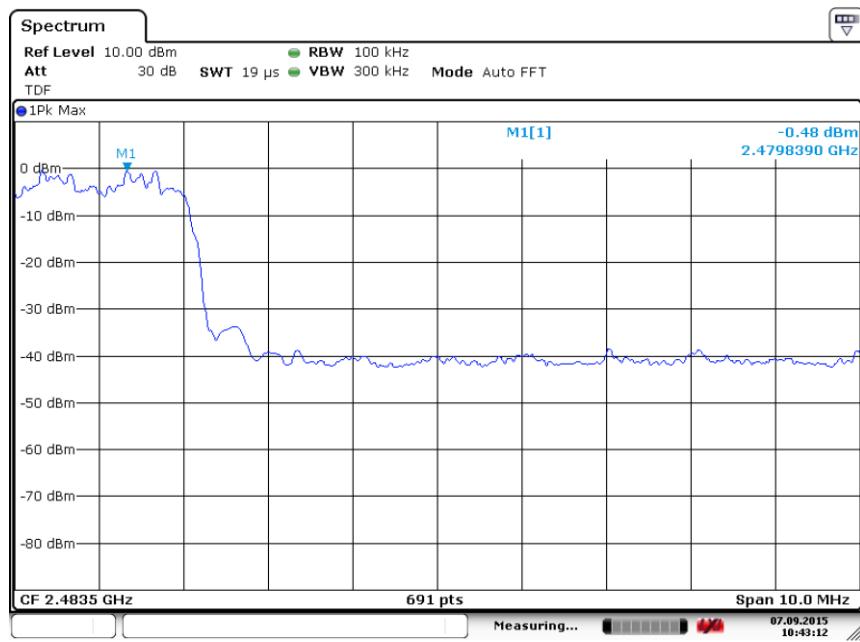
Date: 7.SEP.2015 10:41:36

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



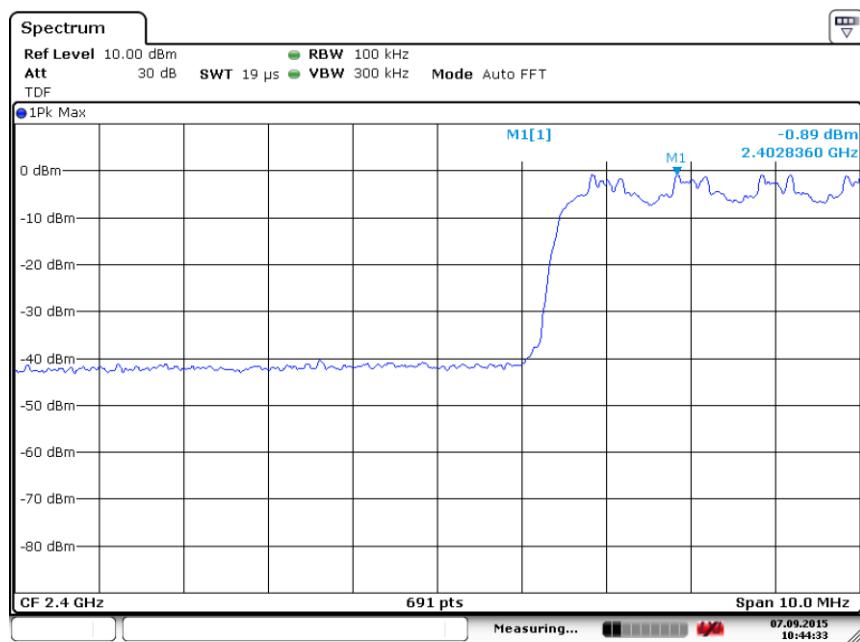
Date: 7.SEP.2015 10:42:32

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



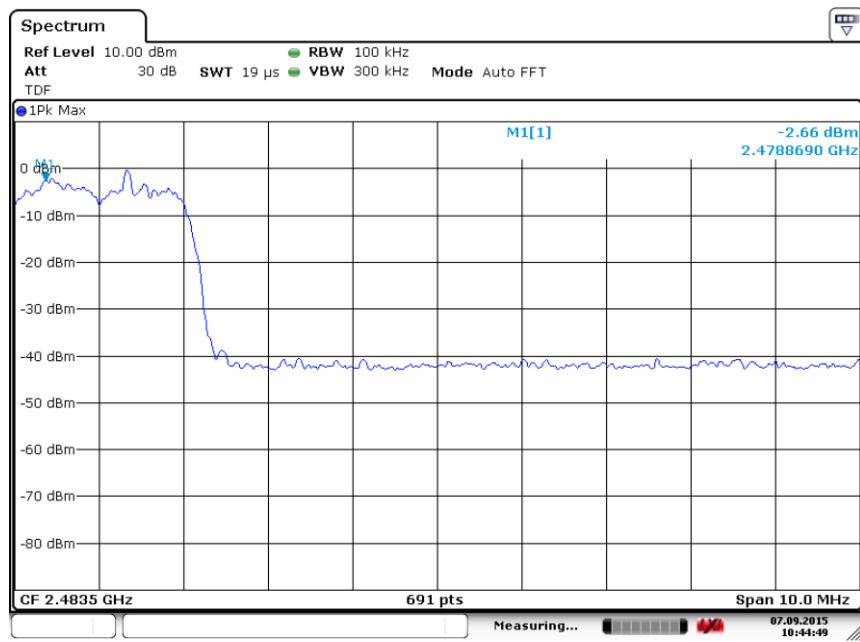
Date: 7.SEP.2015 10:43:11

**Fig. 13 Band Edges ( $\pi/4$  DQPSK, Ch 78, Hopping ON)**



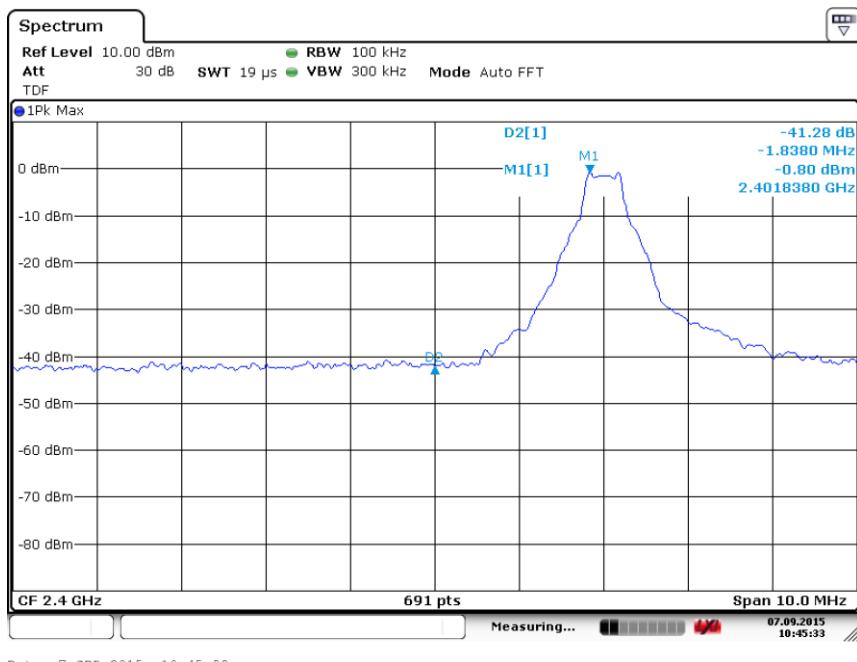
Date: 7.SEP.2015 10:44:33

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



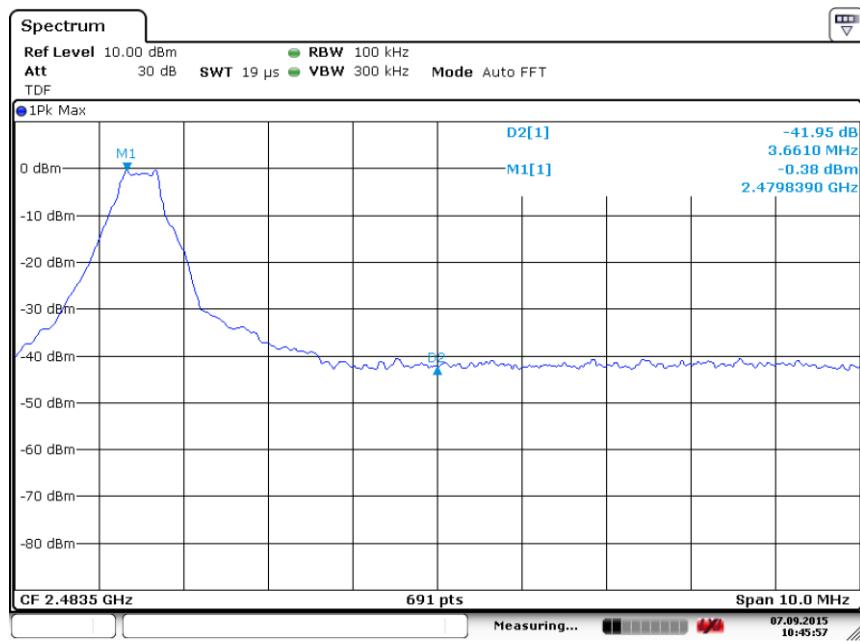
Date: 7.SEP.2015 10:44:49

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



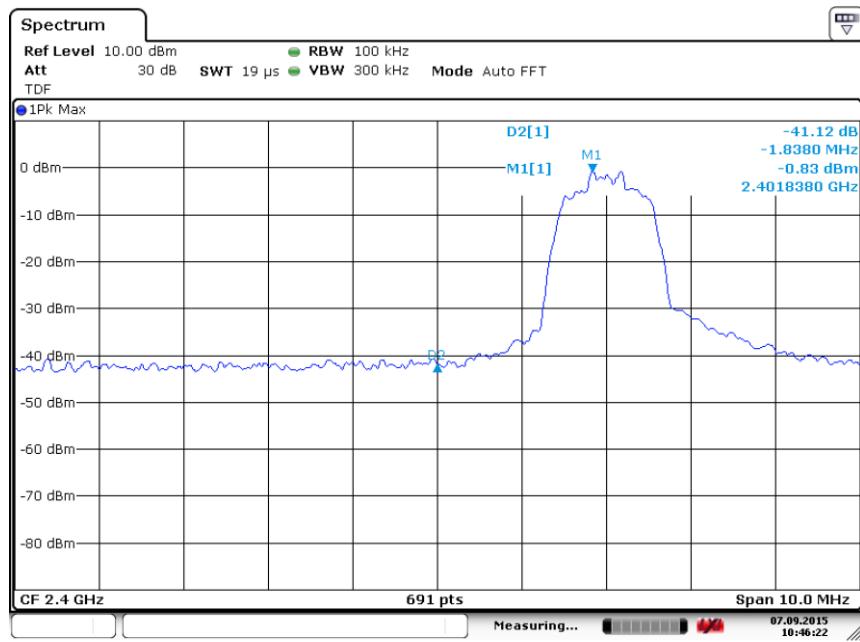
Date: 7.SEP.2015 10:45:33

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



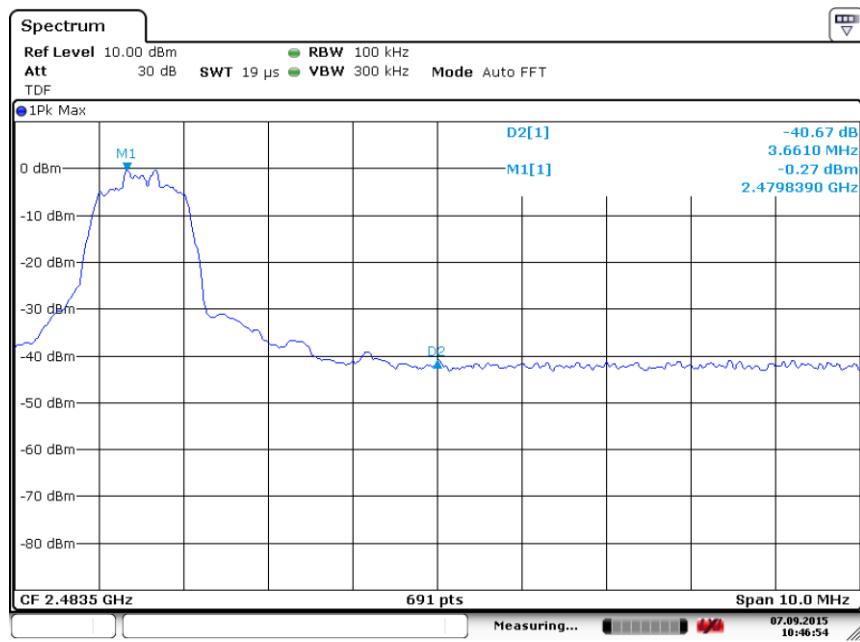
Date: 7.SEP.2015 10:45:57

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

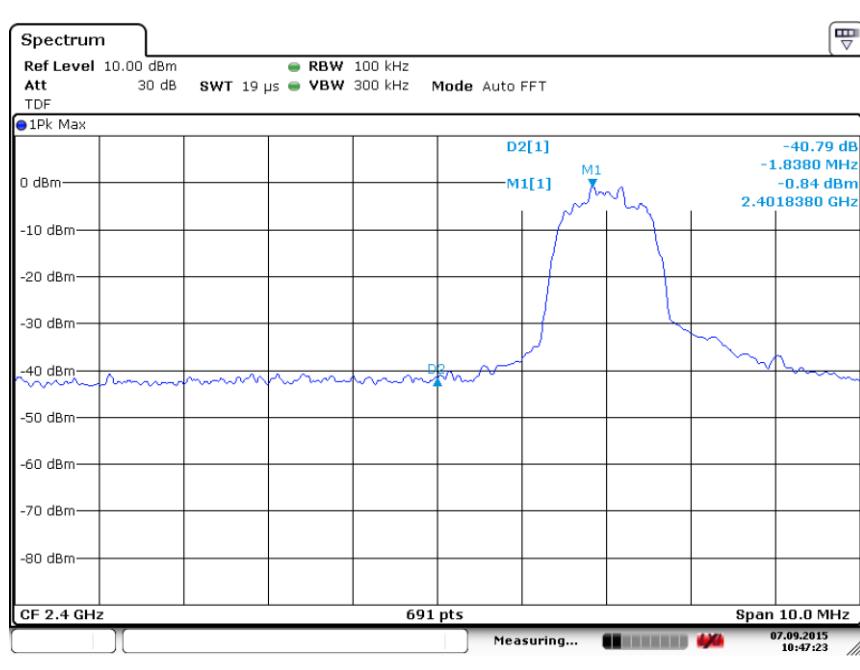


Date: 7.SEP.2015 10:46:22

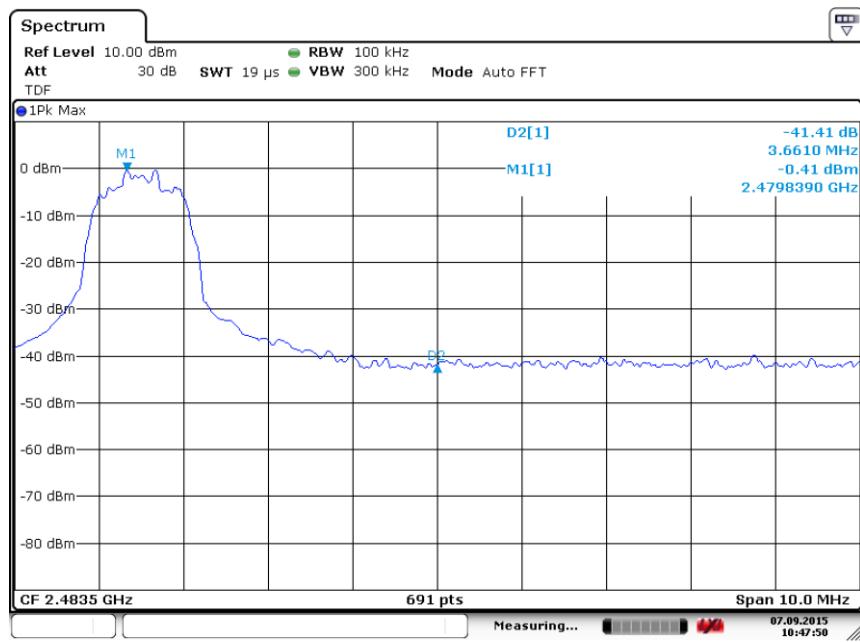
**Fig. 18 Band Edges (π /4 DQPSK, Ch 0, Hopping OFF)**



**Fig. 19 Band Edges ( $\pi/4$  DQPSK, Ch 78, Hopping OFF)**

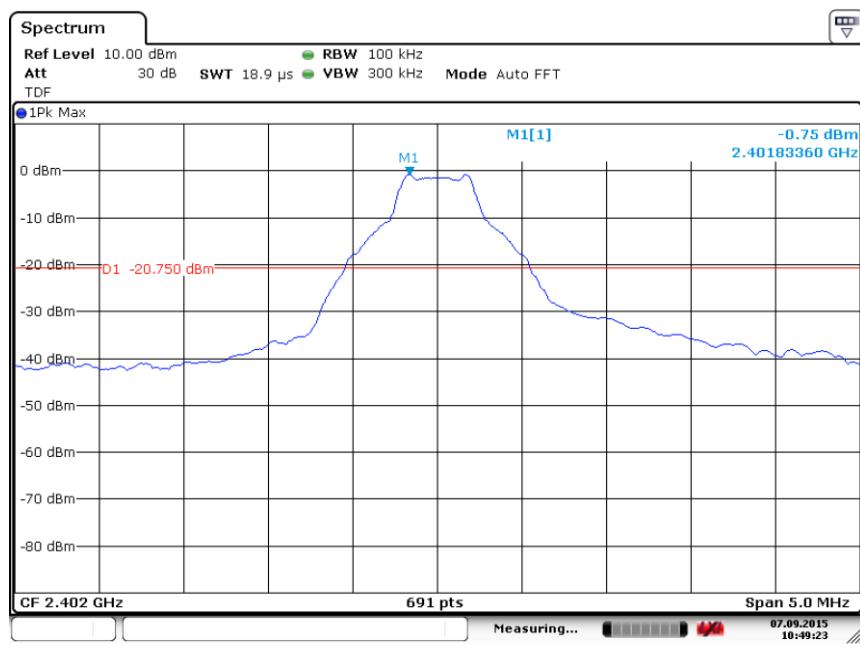


**Fig. 20 Band Edges (8DPSK, Ch 0, Hopping OFF)**



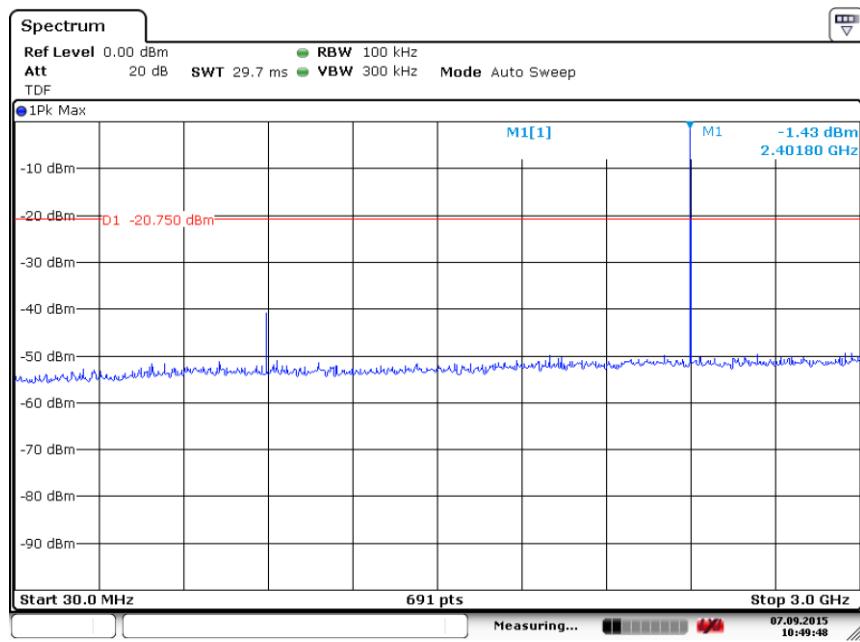
Date: 7.SEP.2015 10:47:50

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

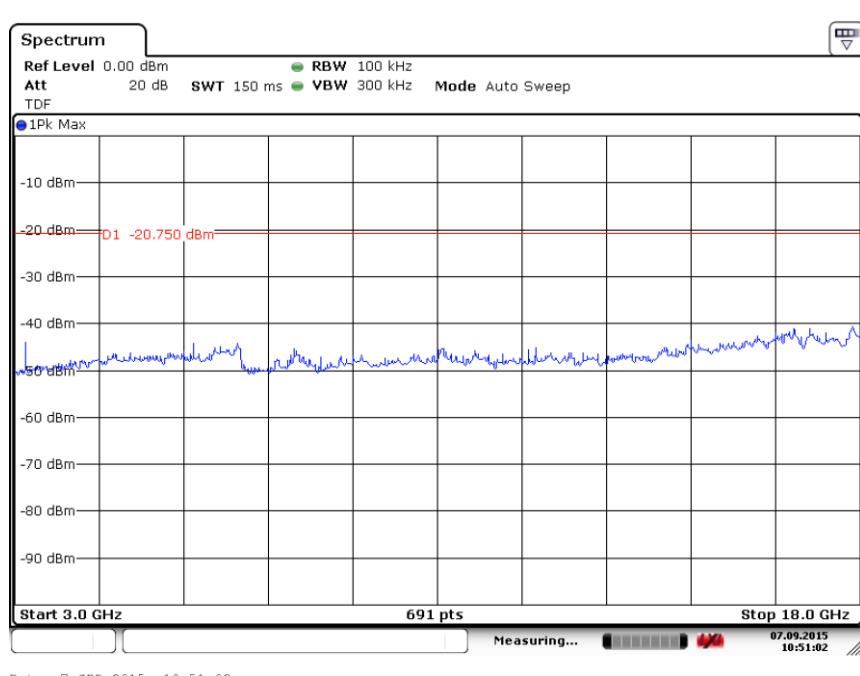


Date: 7.SEP.2015 10:49:23

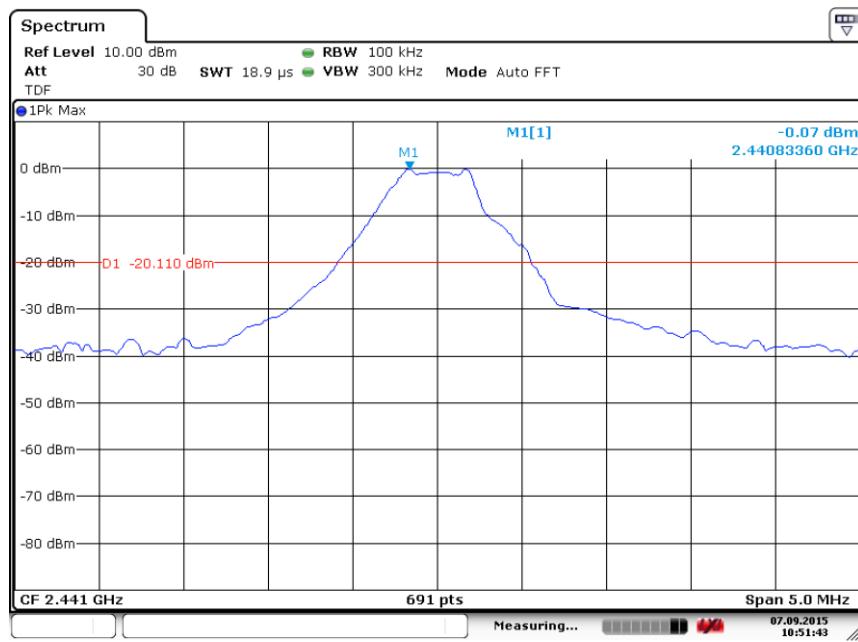
**Fig. 22 Conducted Spurious Emission (GFSK, Ch0, 2.402GHz)**



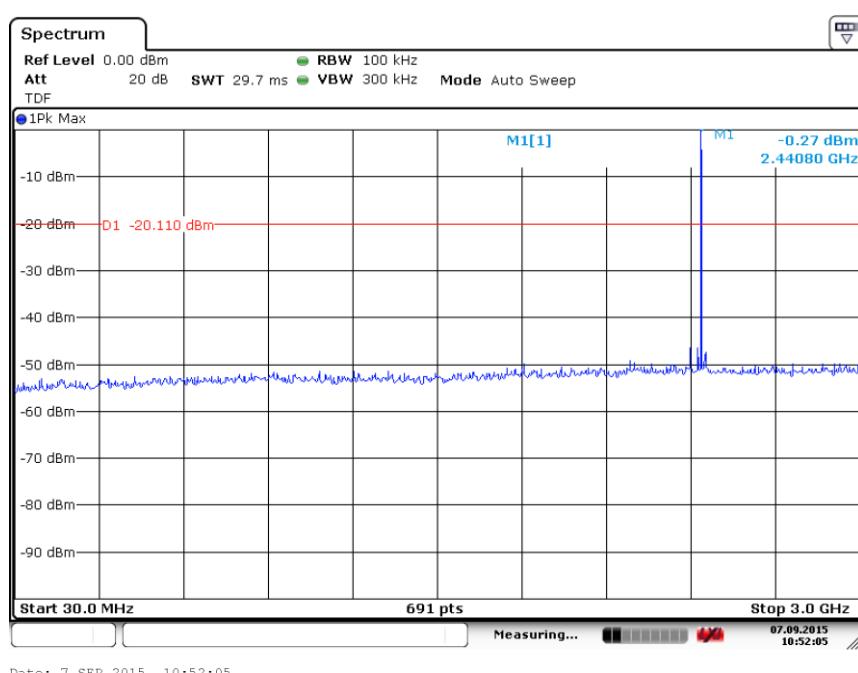
**Fig. 23 Conducted Spurious Emission (GFSK, Ch0, 30 MHz-3 GHz)**



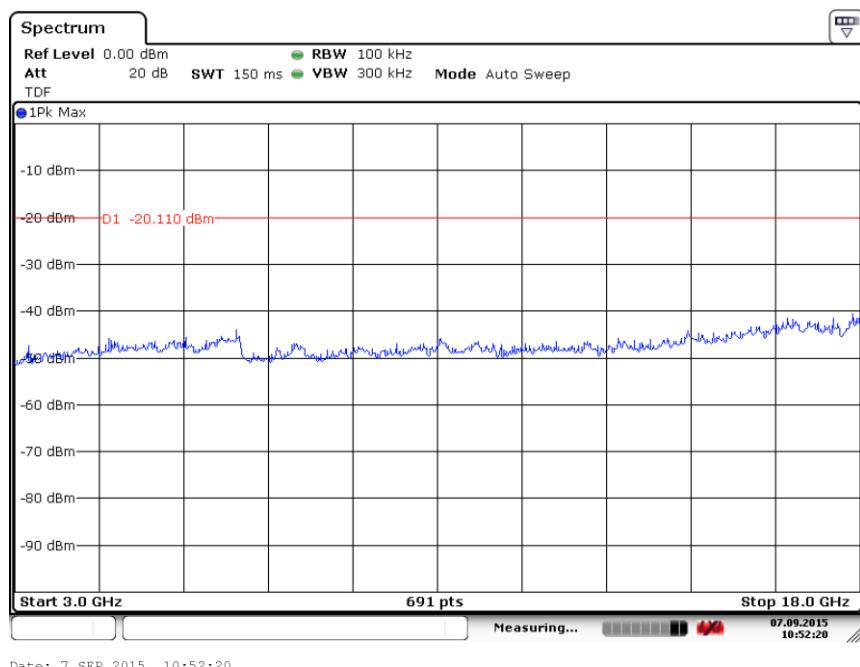
**Fig. 24 Conducted Spurious Emission (GFSK, Ch0, 3GHz-18 GHz)**



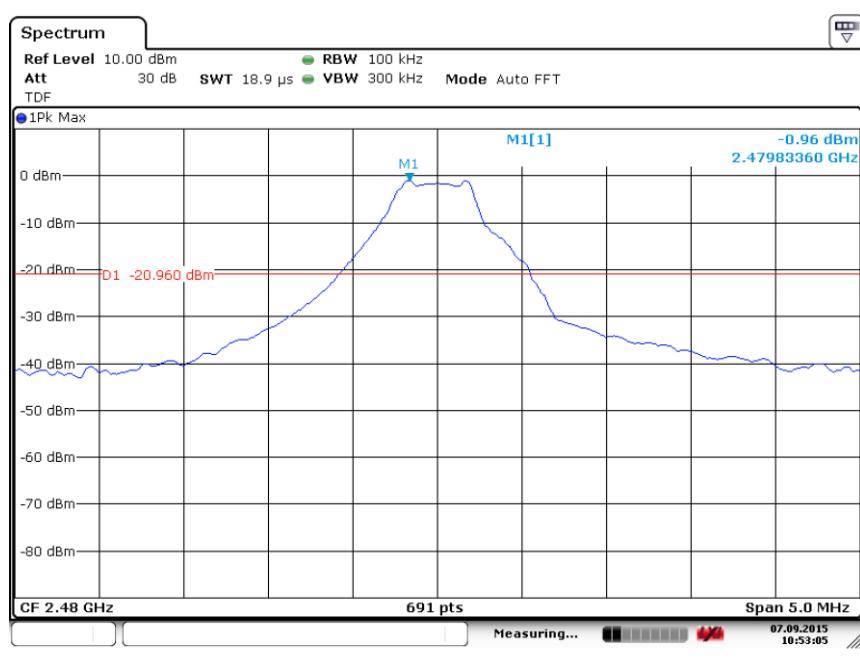
**Fig. 25 Conducted Spurious Emission (GFSK, Ch39, 2.441GHz)**



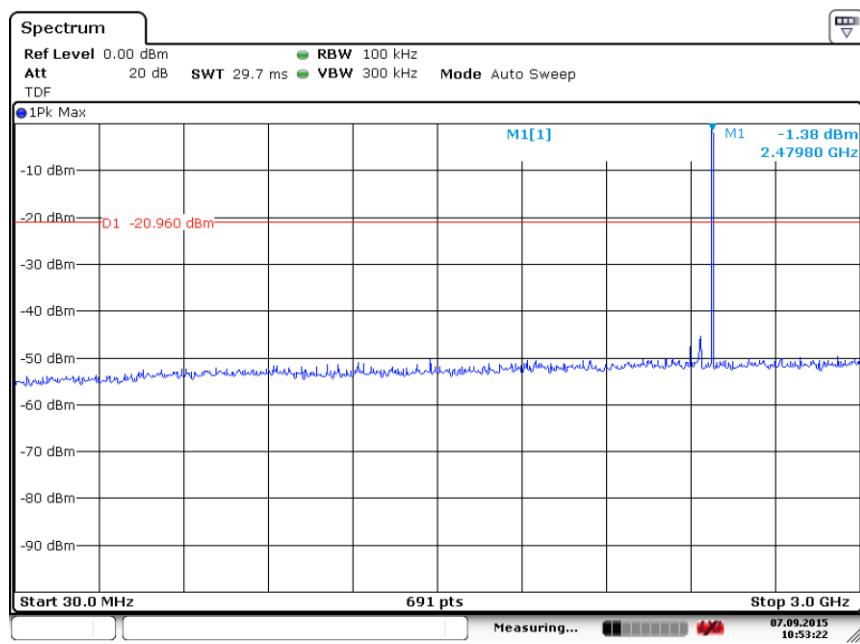
**Fig. 26 Conducted Spurious Emission (GFSK, Ch39, 30 MHz-3 GHz)**



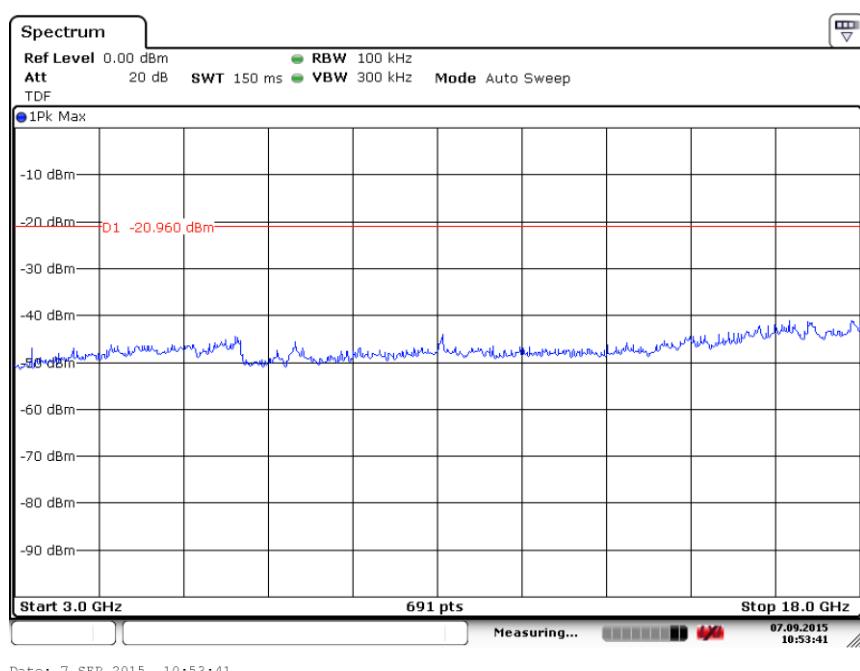
**Fig. 27 Conducted Spurious Emission (GFSK, Ch39, 3GHz-18 GHz)**



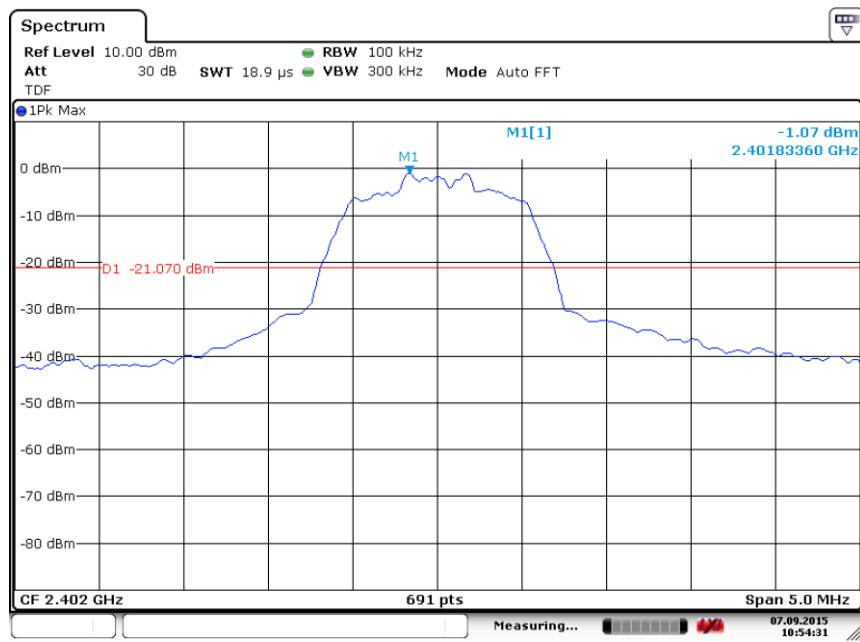
**Fig. 28 Conducted Spurious Emission (GFSK, Ch78, 2.480GHz)**



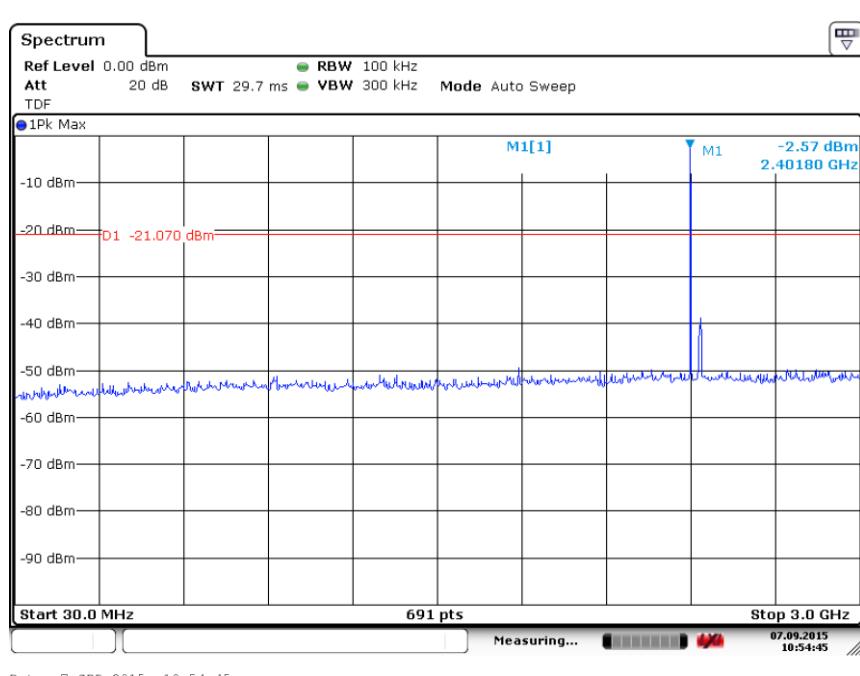
**Fig. 29 Conducted Spurious Emission (GFSK, Ch78, 30 MHz-3 GHz)**



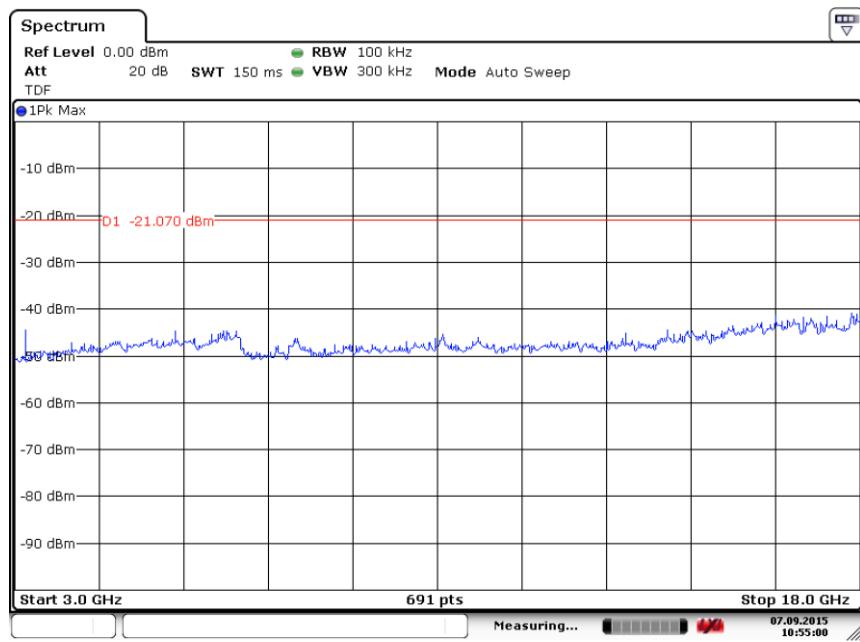
**Fig. 30 Conducted Spurious Emission (GFSK, Ch78, 3GHz-18 GHz)**



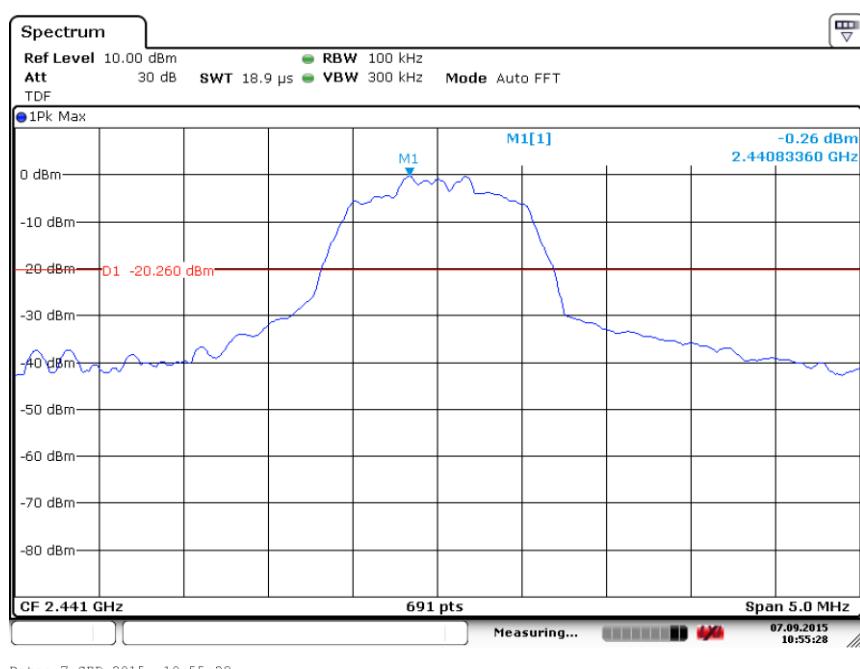
**Fig. 31 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch0, 2.402GHz)**



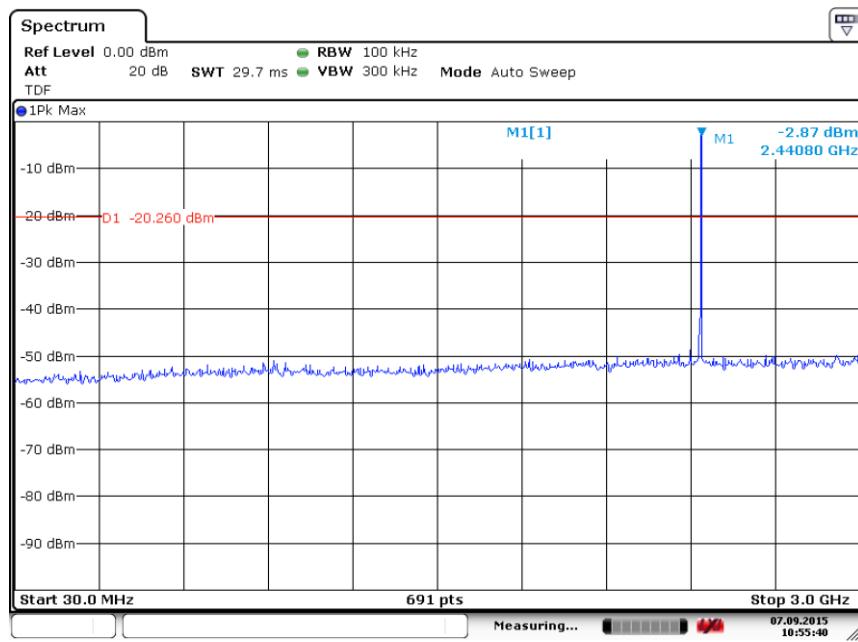
**Fig. 32 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch0, 30 MHz-3 GHz)**



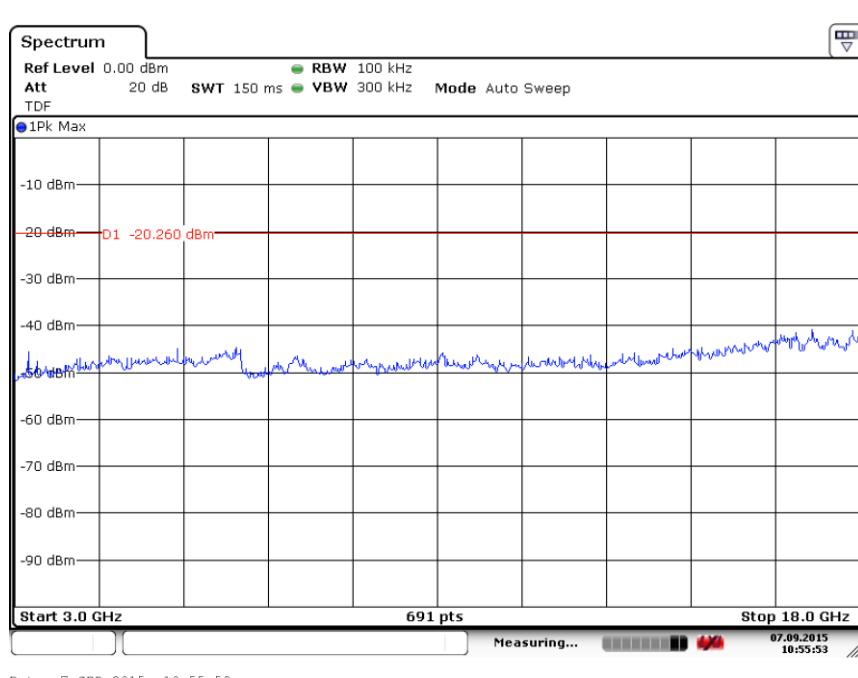
**Fig. 33 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch0, 3GHz-18 GHz)**



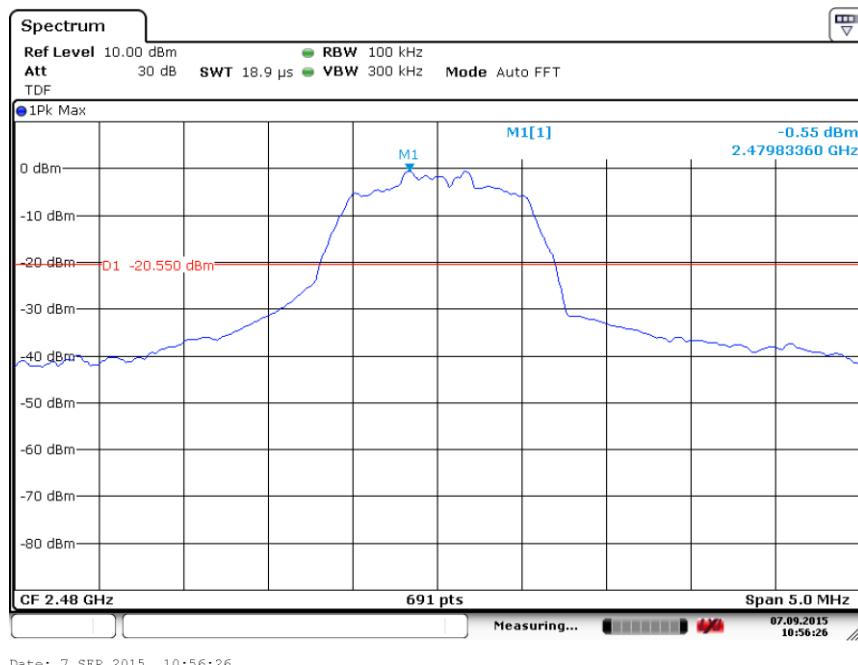
**Fig. 34 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch39, 2.441GHz)**



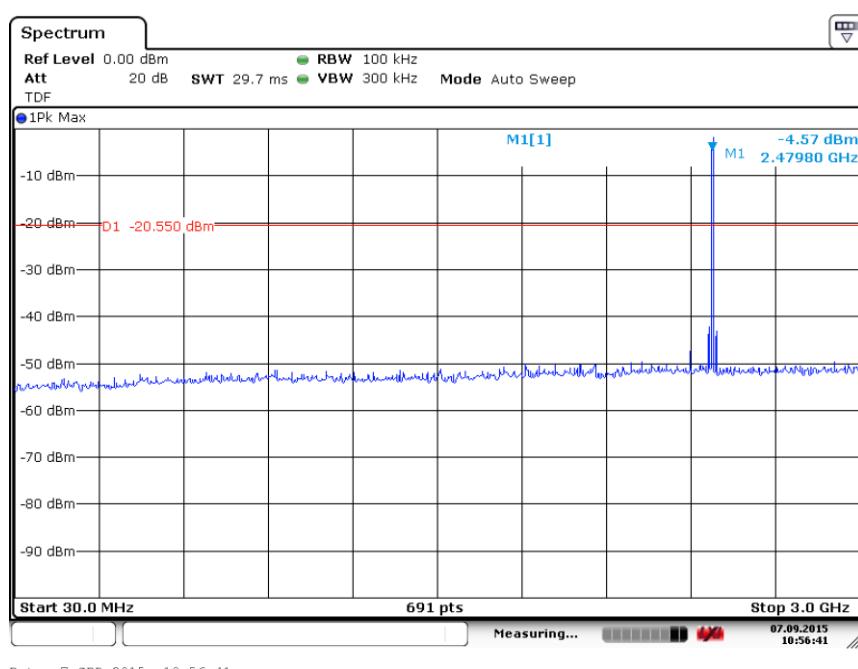
**Fig. 35 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch39, 30 MHz-3 GHz)**



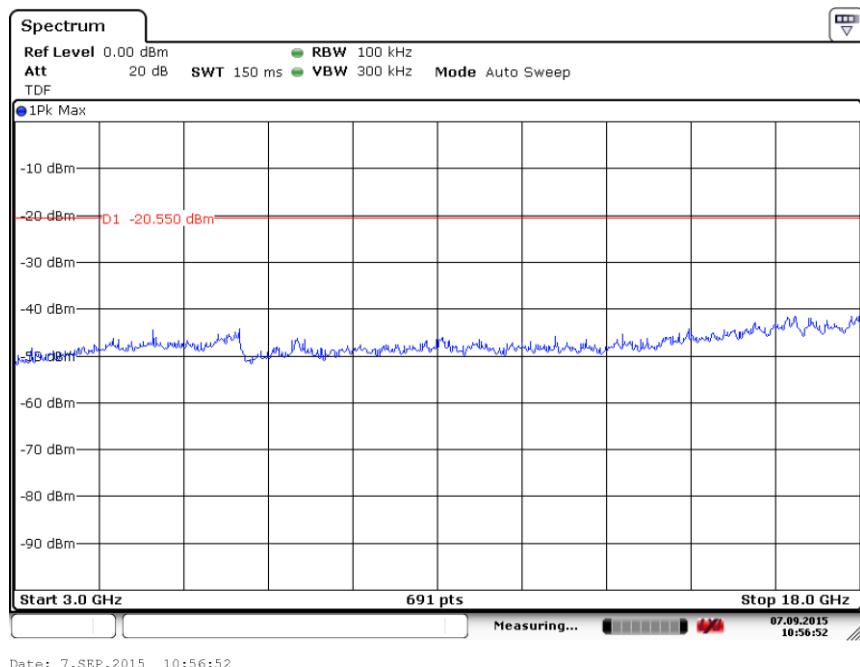
**Fig. 36 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch39, 3GHz-18 GHz)**



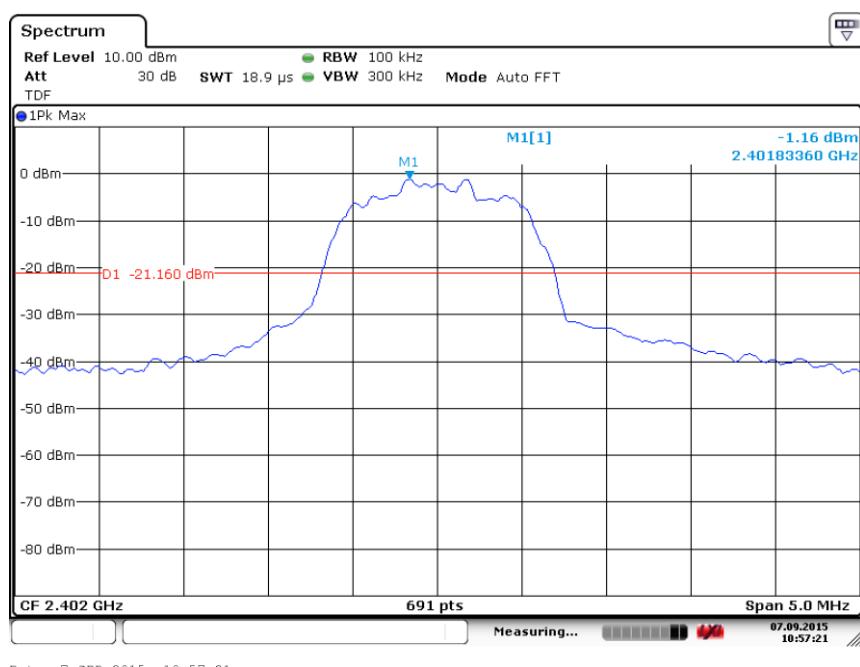
**Fig. 37 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch78, 2.480GHz)**



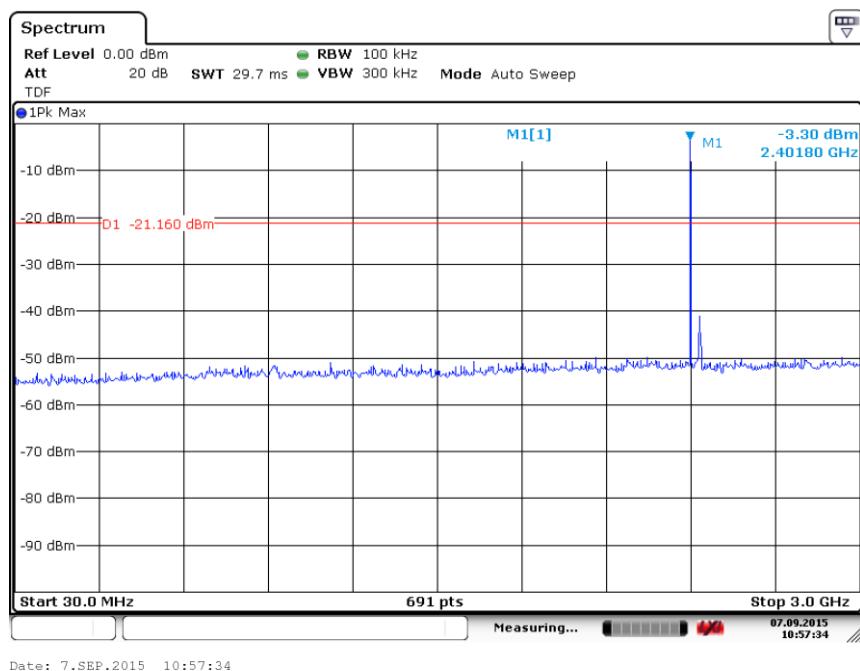
**Fig. 38 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch78, 30 MHz-3 GHz)**



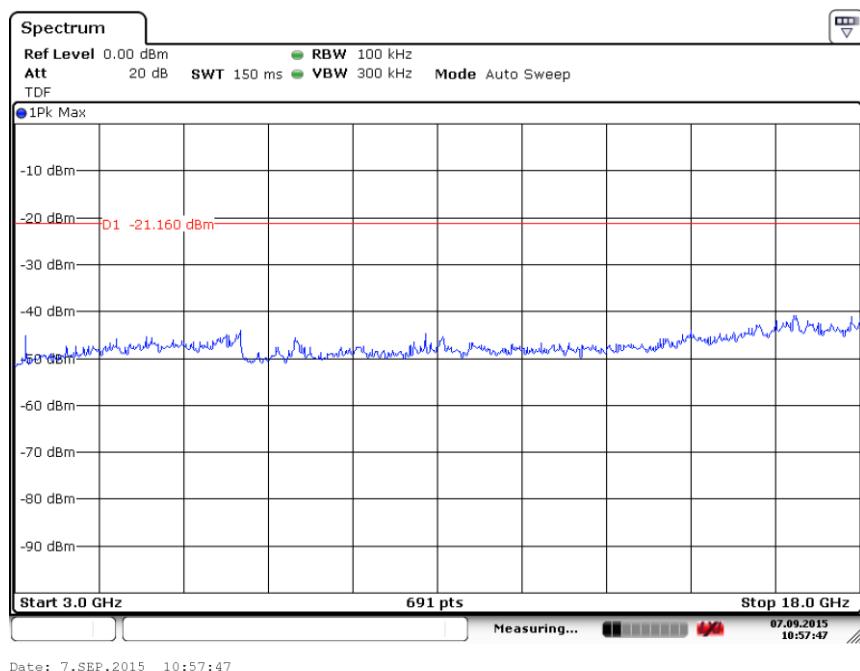
**Fig. 39 Conducted Spurious Emission ( $\pi/4$  DQPSK, Ch78, 3GHz-18 GHz)**



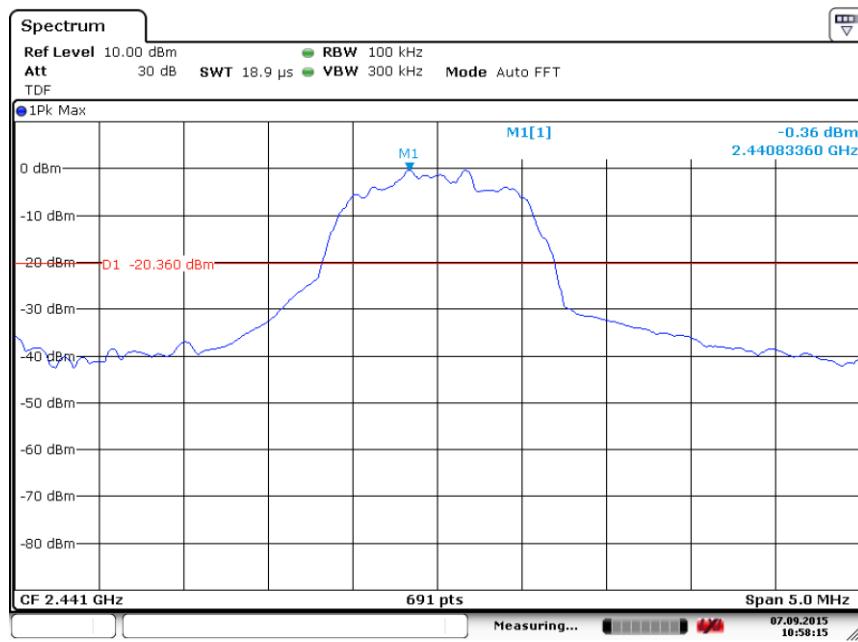
**Fig. 40 Conducted Spurious Emission (8DPSK, Ch0, 2.402GHz)**



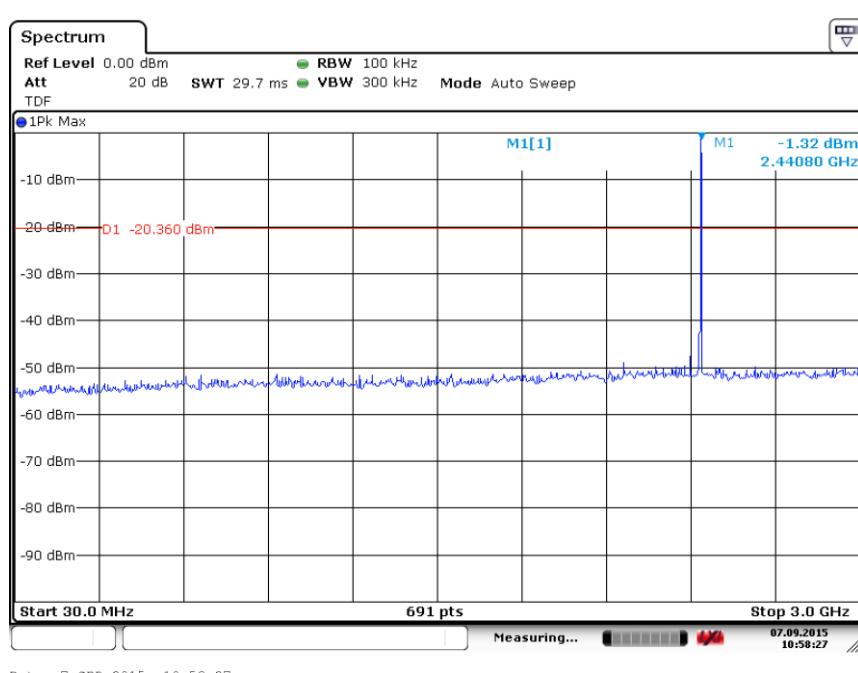
**Fig. 41 Conducted Spurious Emission (8DPSK, Ch0, 30 MHz-3 GHz)**



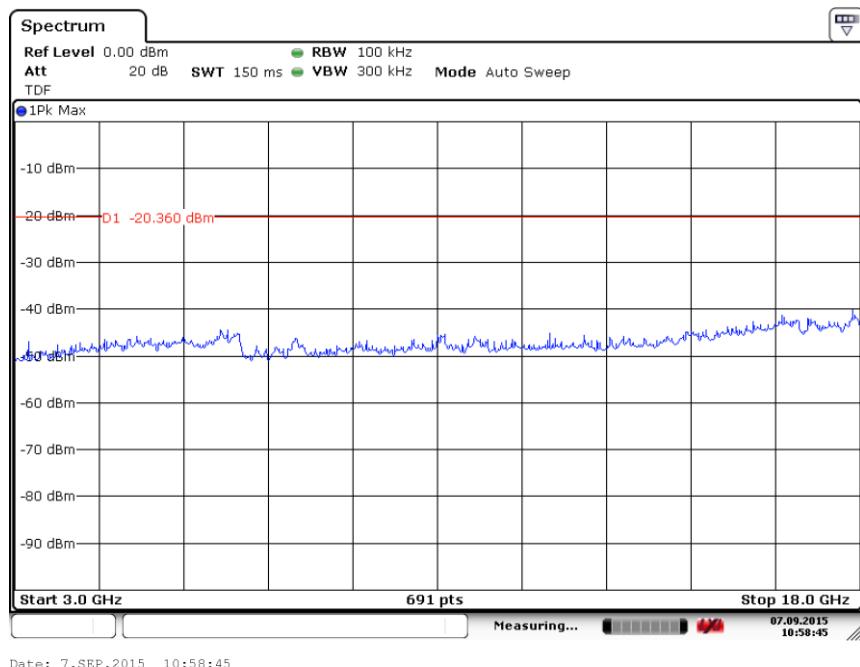
**Fig. 42 Conducted Spurious Emission (8DPSK, Ch0, 3GHz-18 GHz)**



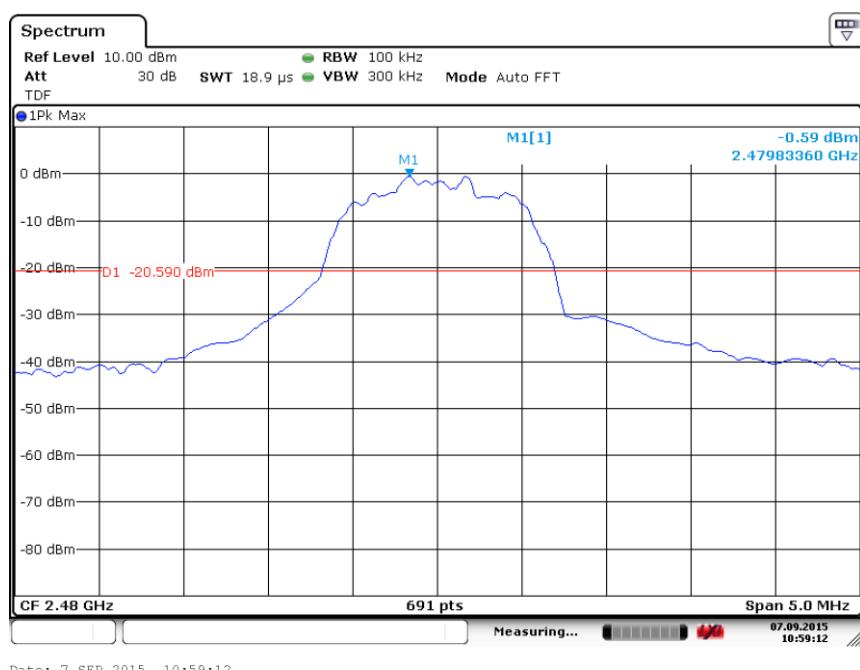
**Fig. 43 Conducted Spurious Emission (8DPSK, Ch39, 2.441GHz)**



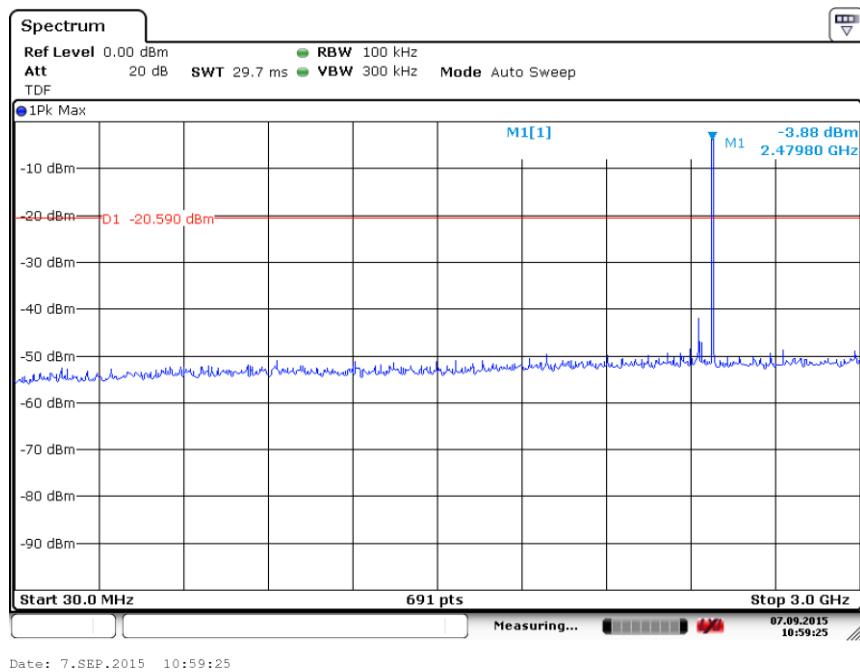
**Fig. 44 Conducted Spurious Emission (8DPSK, Ch39, 30 MHz-3 GHz)**



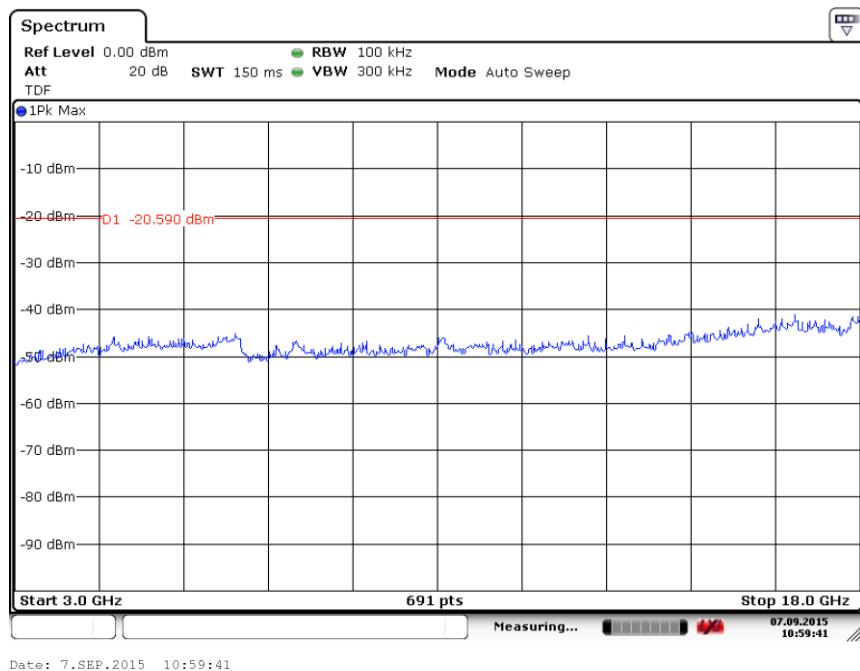
**Fig. 45 Conducted Spurious Emission (8DPSK, Ch39, 3GHz-18 GHz)**



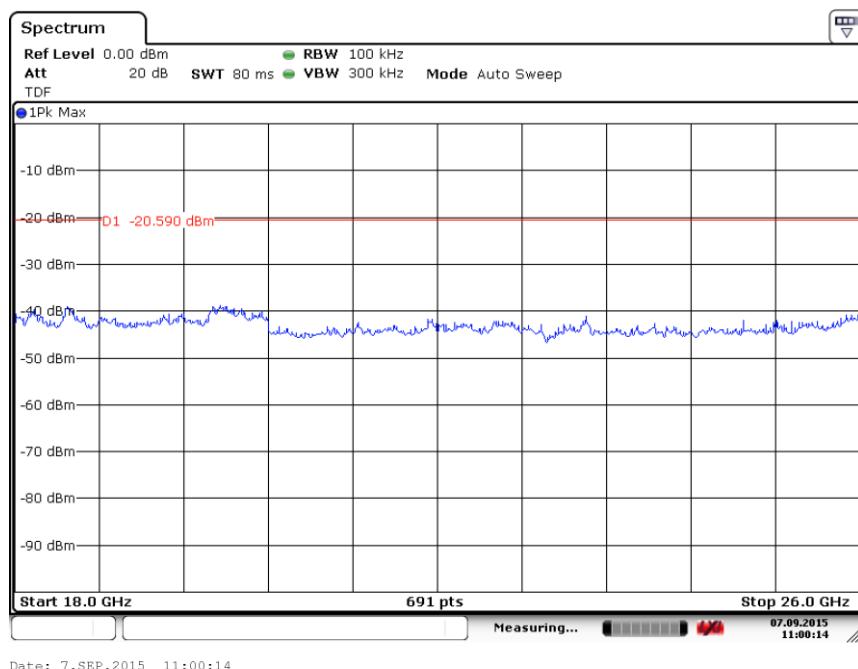
**Fig. 46 Conducted Spurious Emission (8DPSK, Ch78, 2.480GHz)**



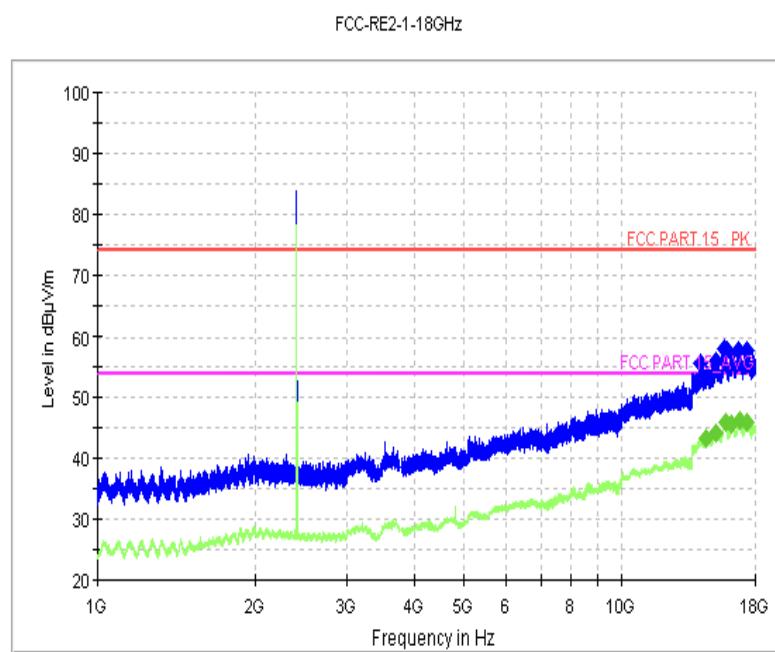
**Fig. 47 Conducted Spurious Emission (8DPSK, Ch78, 30 MHz-3 GHz)**



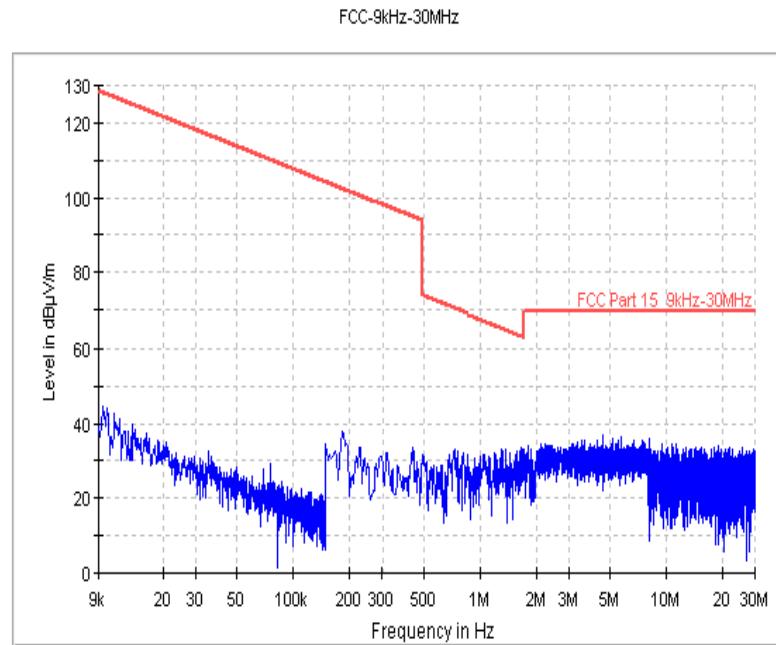
**Fig. 48 Conducted Spurious Emission (8DPSK, Ch78, 3GHz-18 GHz)**



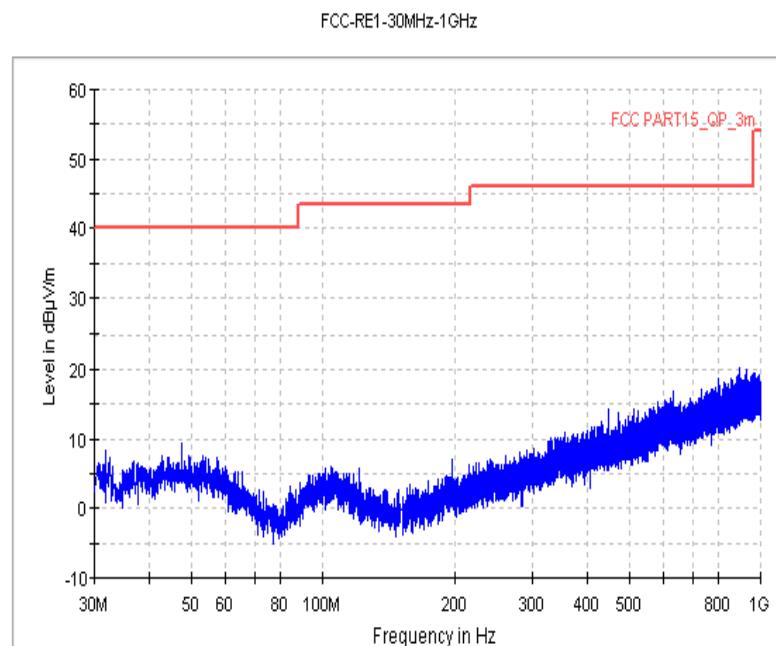
**Fig. 49 Conducted Spurious Emission (All channel, 18 GHz-26 GHz)**



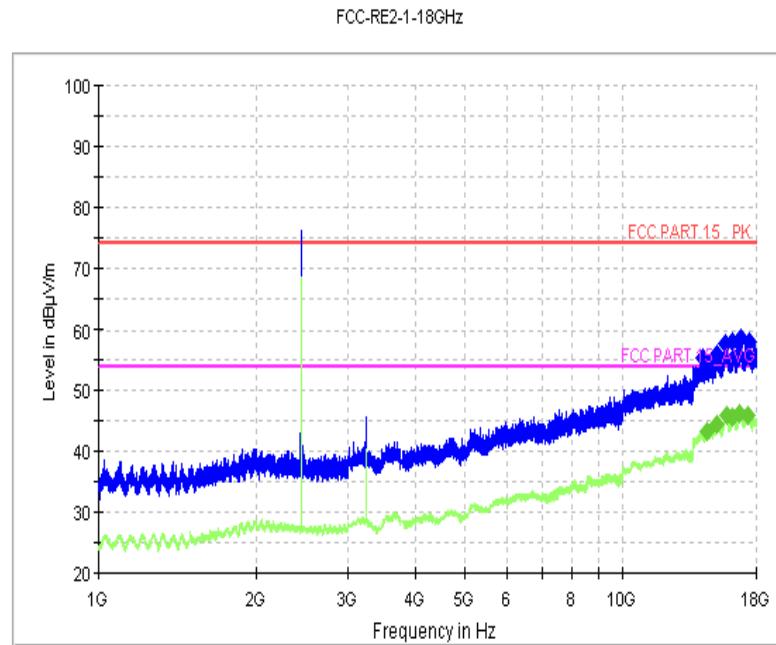
**Fig.50 Radiated Spurious Emission (GFSK, Ch0, 1 GHz-18GHz)**



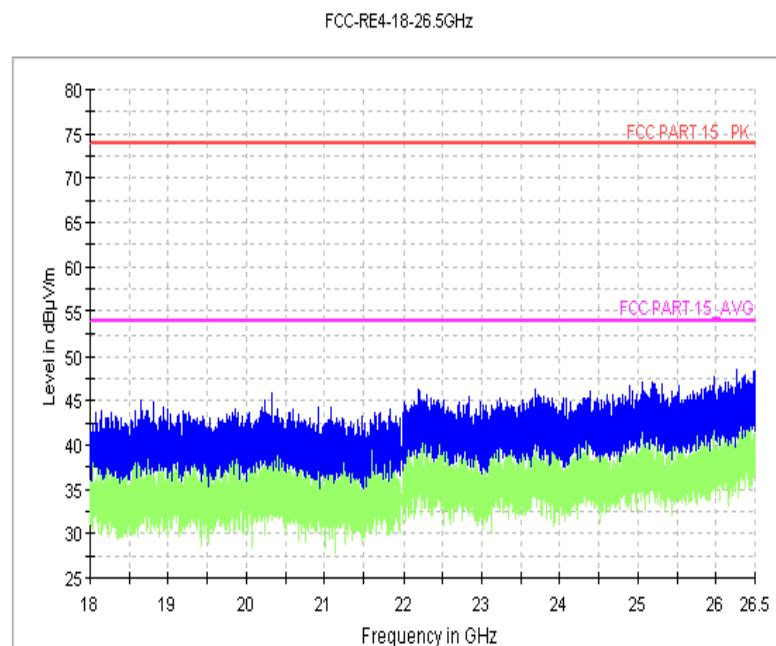
**Fig.51 Radiated Spurious Emission (GFSK, Ch39, 9 kHz-30MHz)**



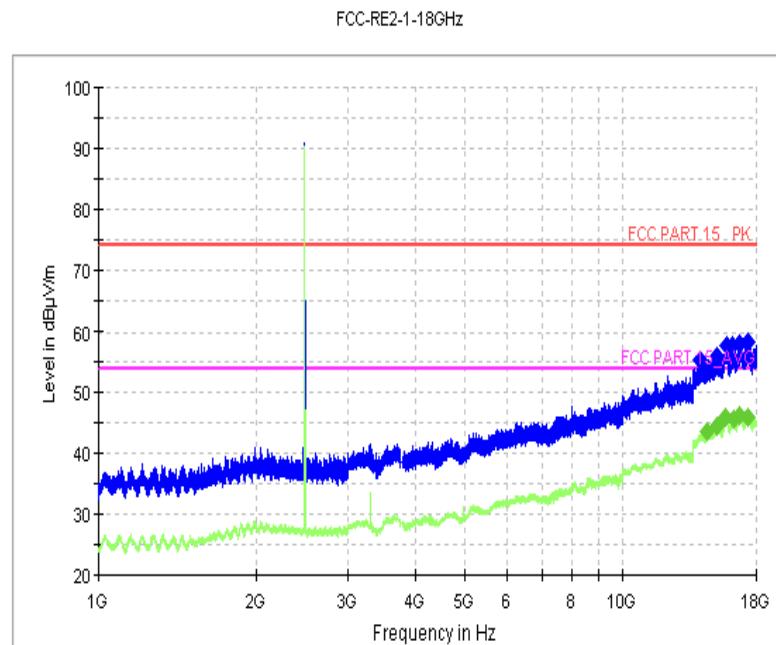
**Fig.52 Radiated Spurious Emission (GFSK, Ch39, 30MHz-1 GHz)**



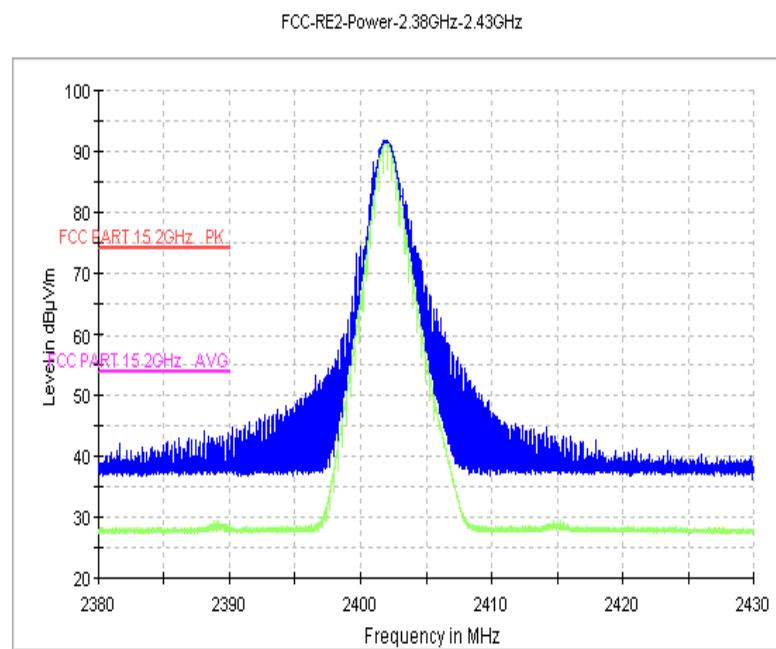
**Fig.53 Radiated Spurious Emission (GFSK, Ch39, 1 GHz-18GHz)**



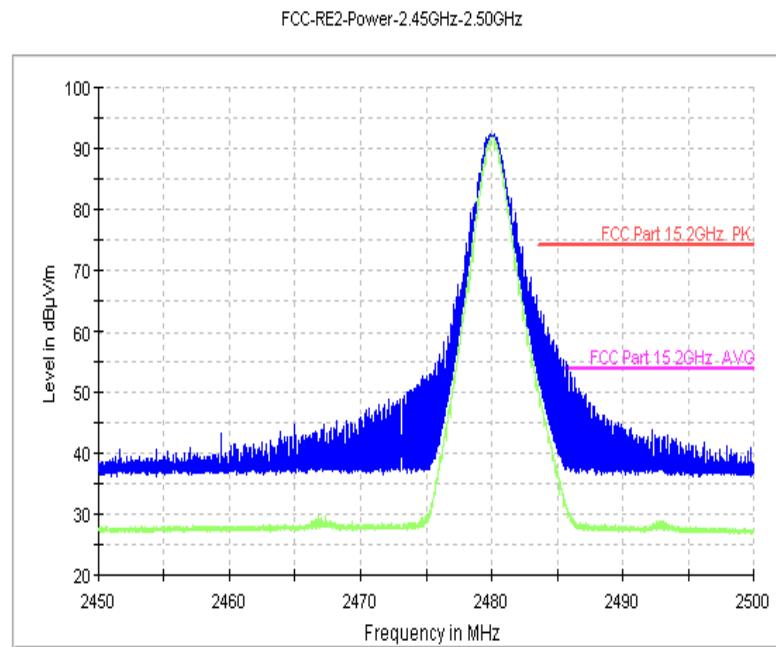
**Fig.54 Radiated Spurious Emission (GFSK, Ch39, 18 GHz-26.5GHz)**



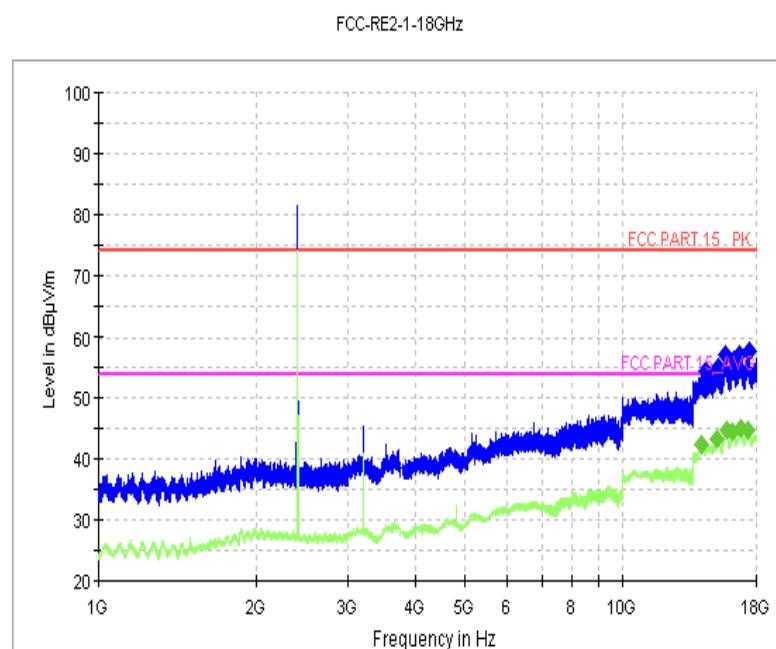
**Fig.55 Radiated Spurious Emission (GFSK, Ch78, 1 GHz-18 GHz)**



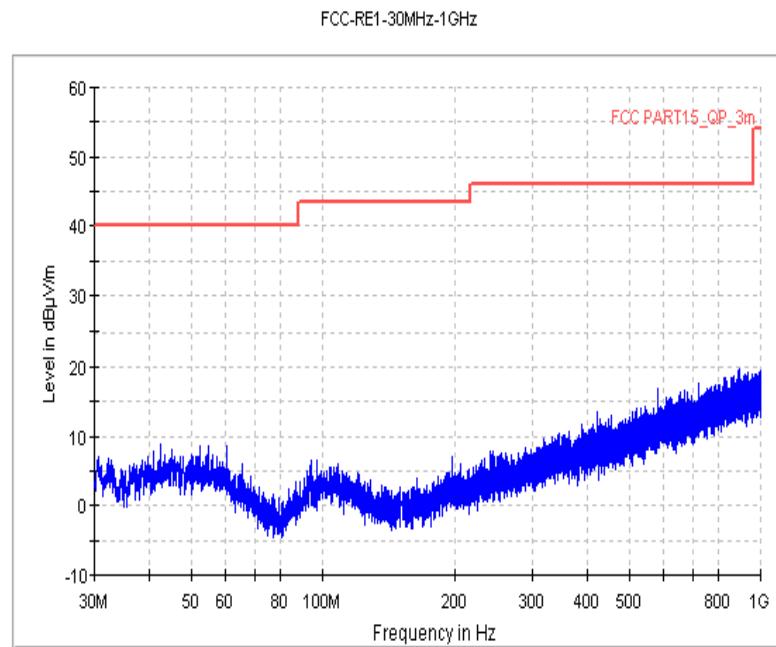
**Fig.56 Radiated Emission Power (GFSK, Ch0, 2380GHz~2450GHz)**



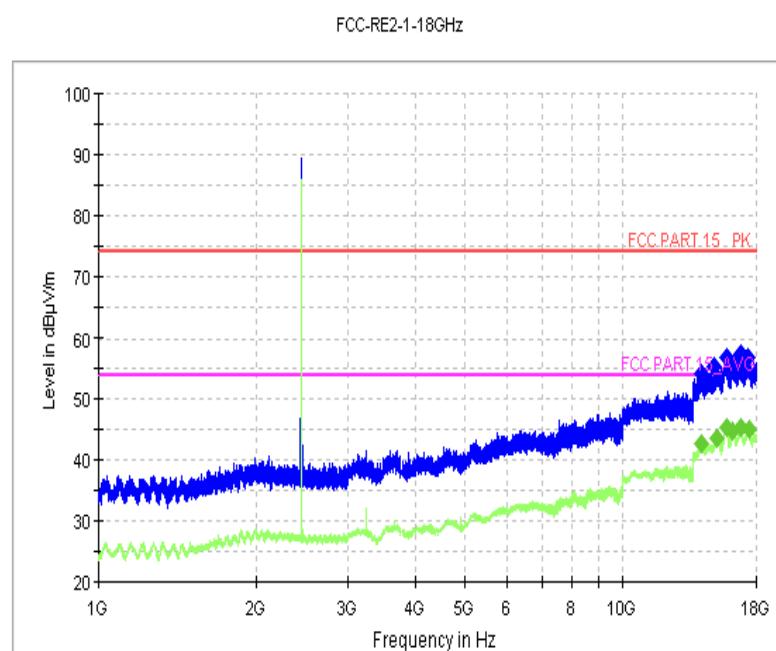
**Fig.57 Radiated Emission Power (GFSK, Ch78, 2450GHz~2500GHz)**



**Fig.58 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch0, 1 GHz-18GHz)**



**Fig.59 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch39, 30MHz-1 GHz)**



**Fig.60 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch39, 1 GHz-18GHz)**

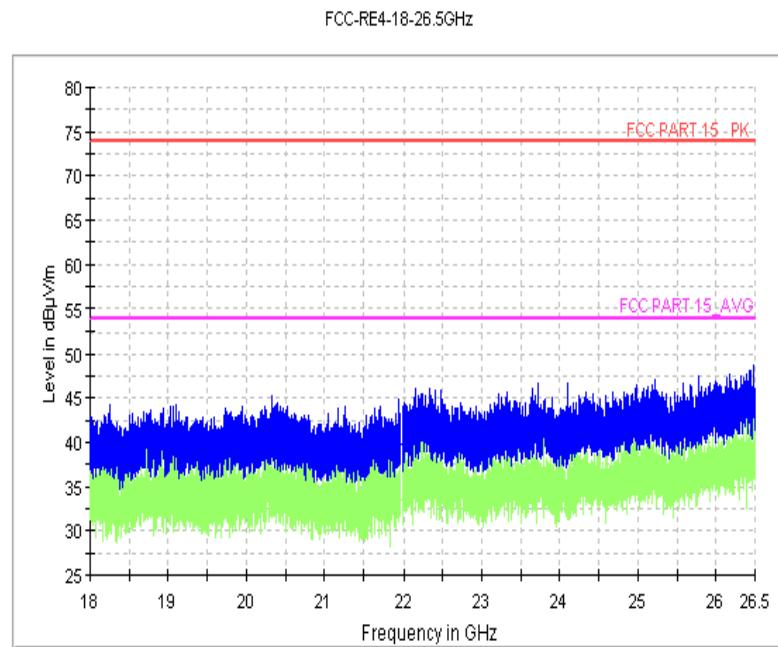


Fig.61 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch39, 18 GHz-26.5GHz)

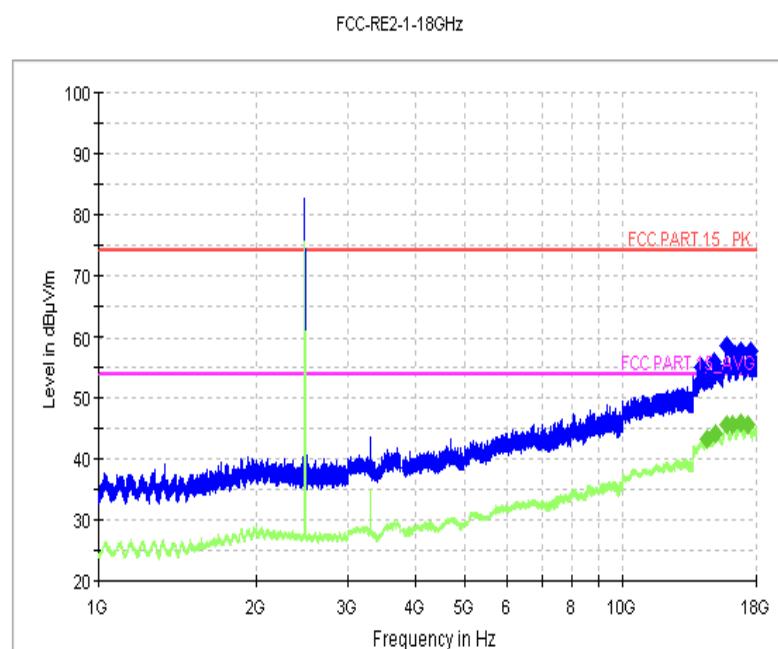
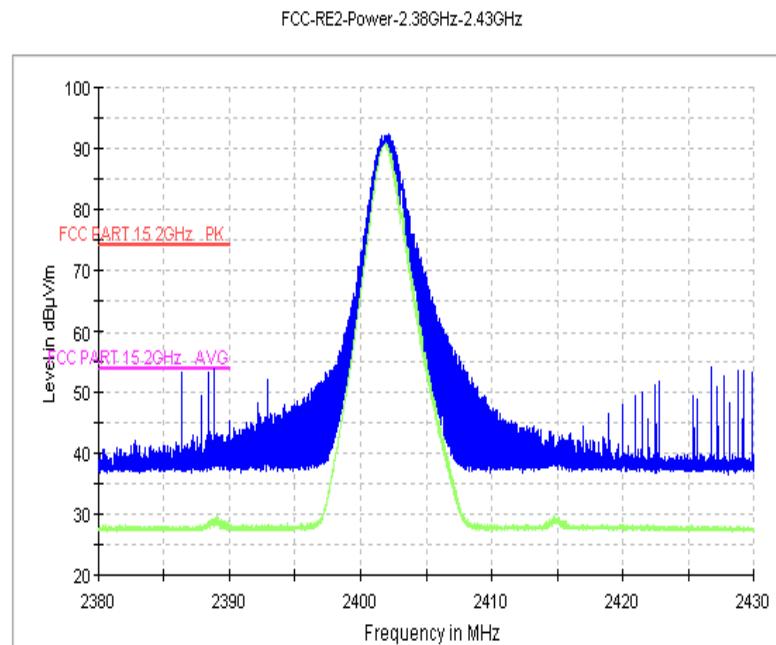
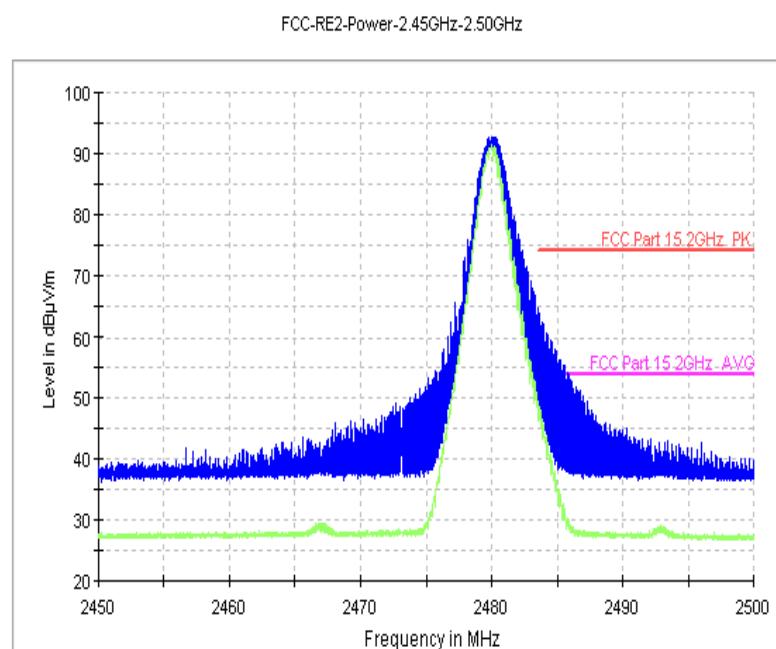


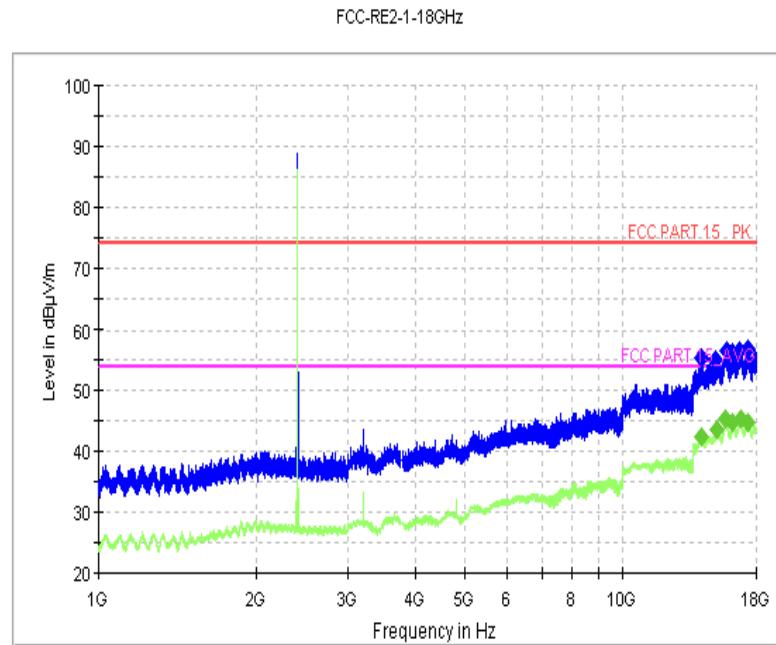
Fig.62 Radiated Spurious Emission ( $\pi/4$  DQPSK, Ch78, 1 GHz-18 GHz)



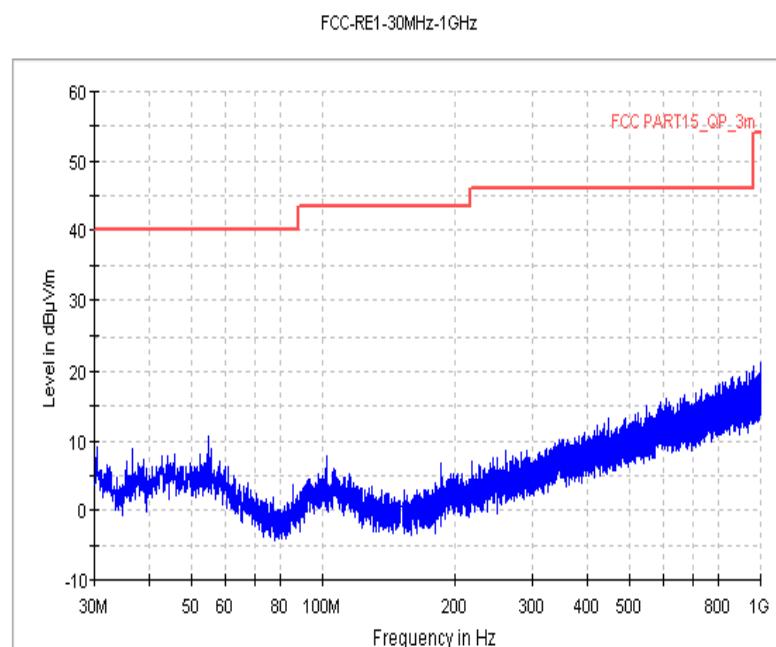
**Fig.63 Radiated Emission Power ( $\pi/4$  DQPSK, Ch0, 2380GHz~2450GHz)**



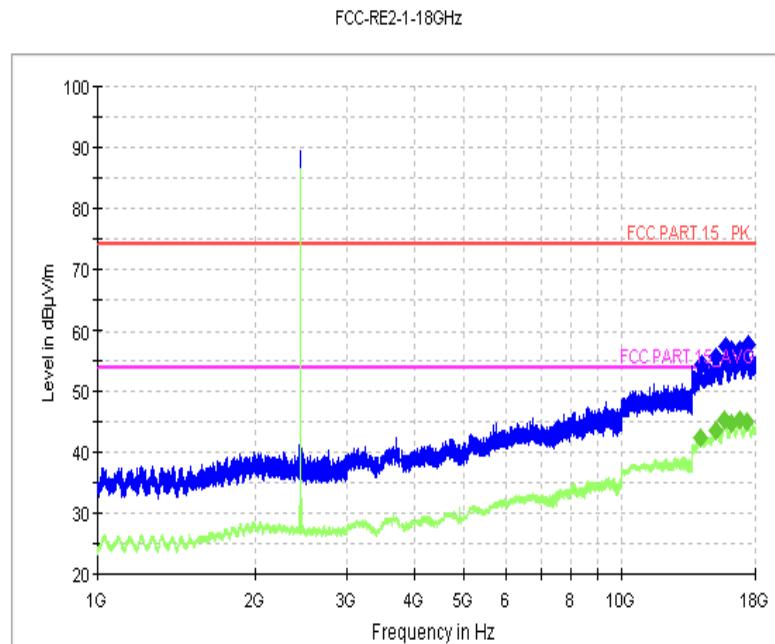
**Fig.64 Radiated Emission Power ( $\pi/4$  DQPSK, Ch78, 2450GHz~2500GHz)**



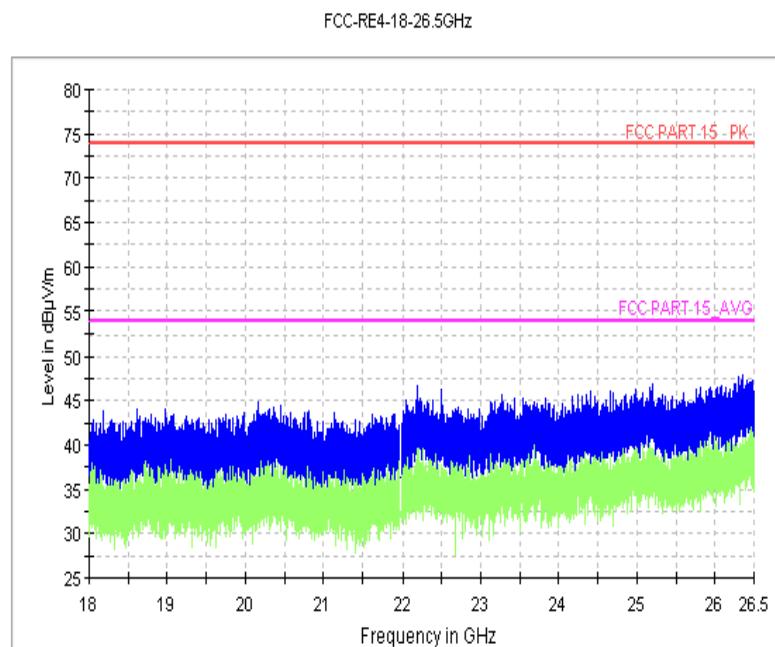
**Fig.65 Radiated Spurious Emission (8DPSK, Ch0, 1 GHz-18GHz)**



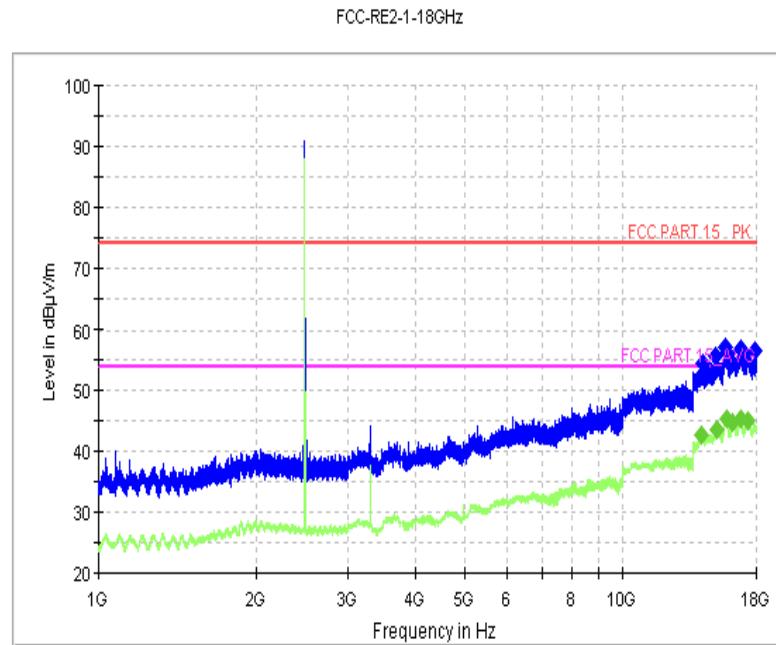
**Fig.66 Radiated Spurious Emission (8DPSK, Ch39, 30MHz-1 GHz)**



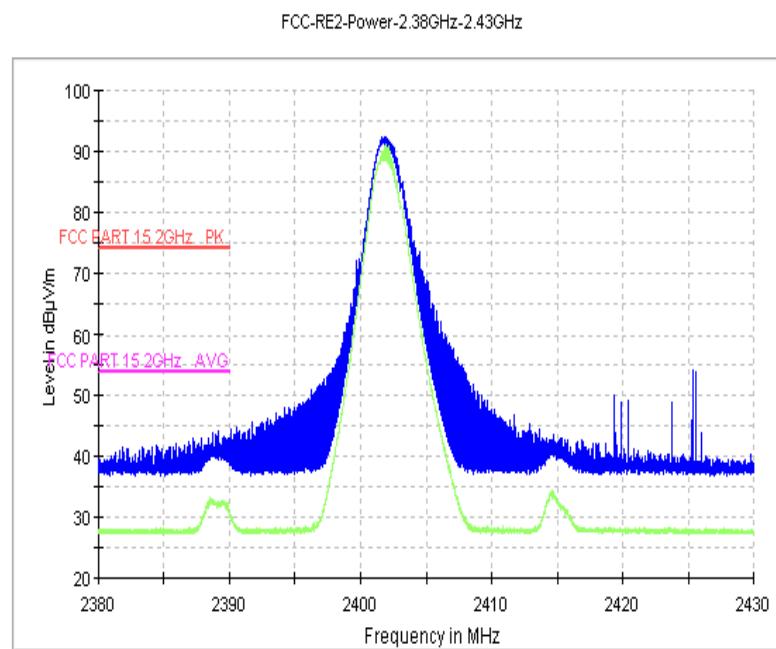
**Fig.67 Radiated Spurious Emission (8DPSK, Ch39, 1 GHz-18GHz)**



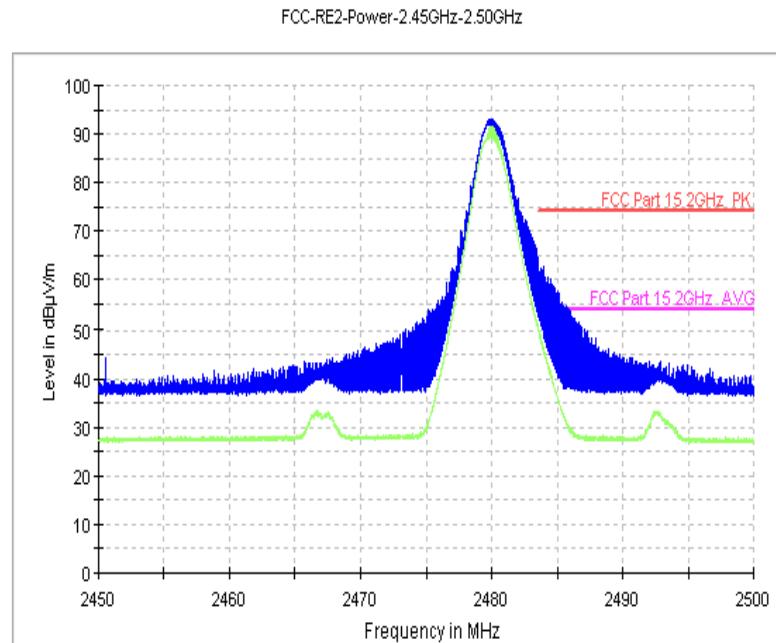
**Fig.68 Radiated Spurious Emission (8DPSK, Ch39, 18 GHz-26.5GHz)**



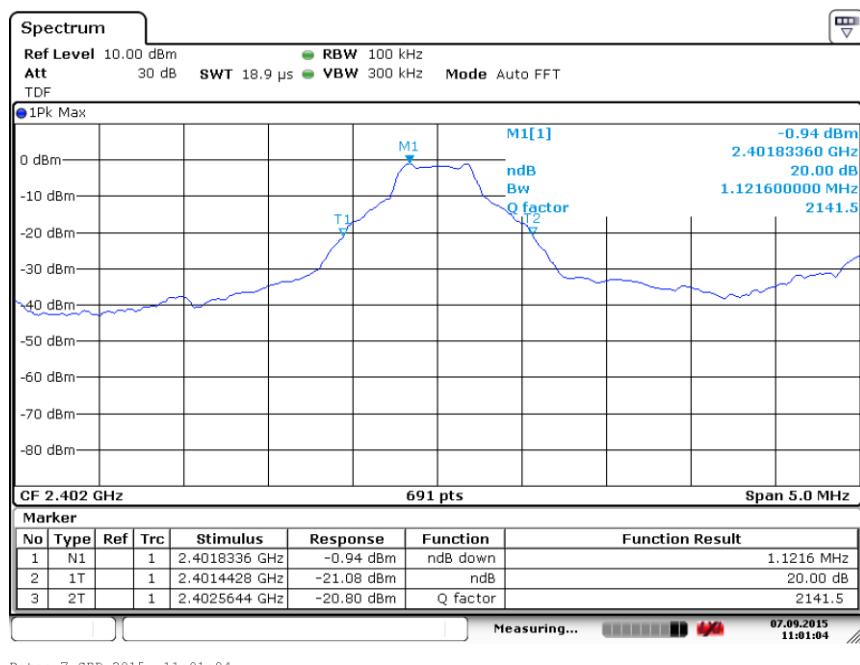
**Fig.69 Radiated Spurious Emission (8DPSK, Ch78, 1 GHz-18 GHz)**



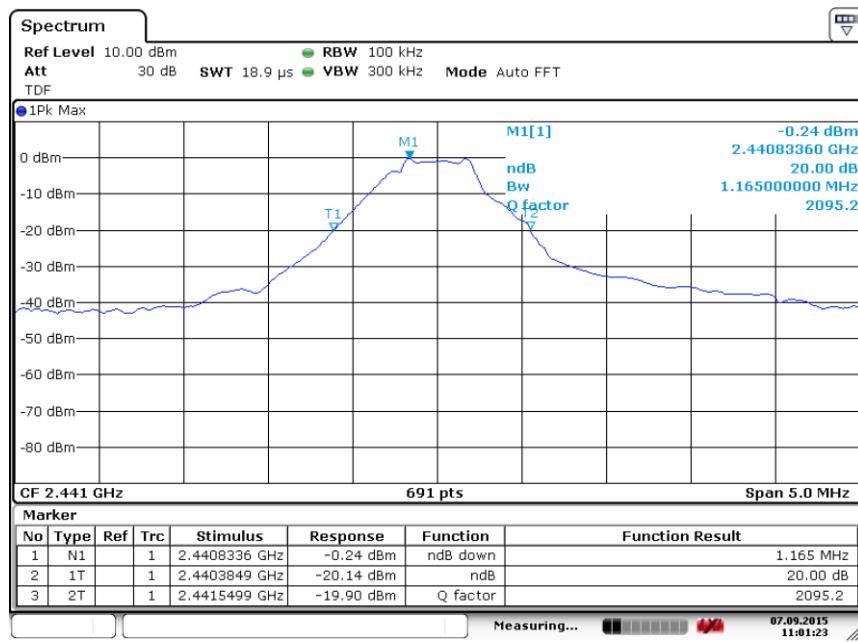
**Fig.70 Radiated Emission Power (8DPSK, Ch0, 2380GHz~2450GHz)**



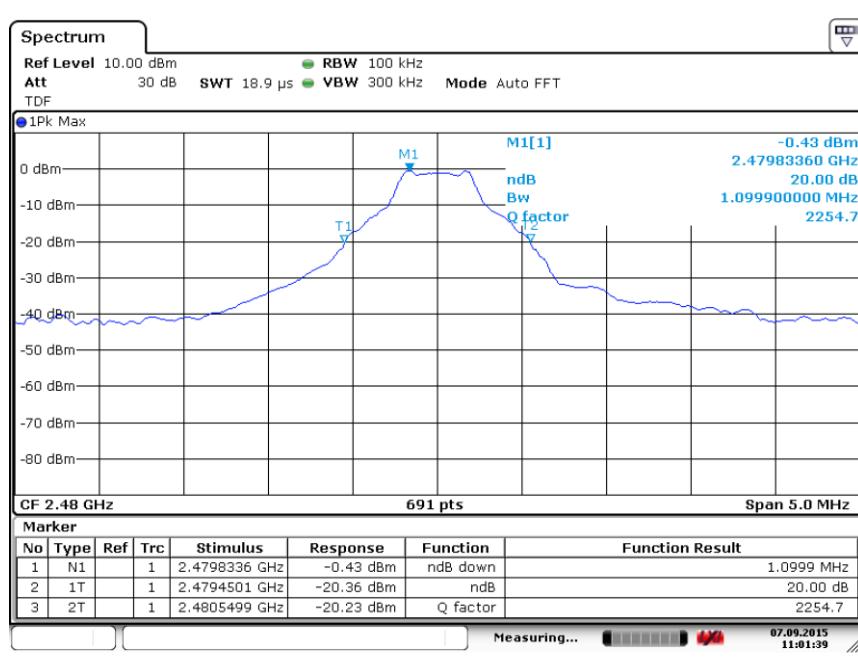
**Fig.71 Radiated Emission Power (8DPSK, Ch78, 2450GHz~2500GHz)**



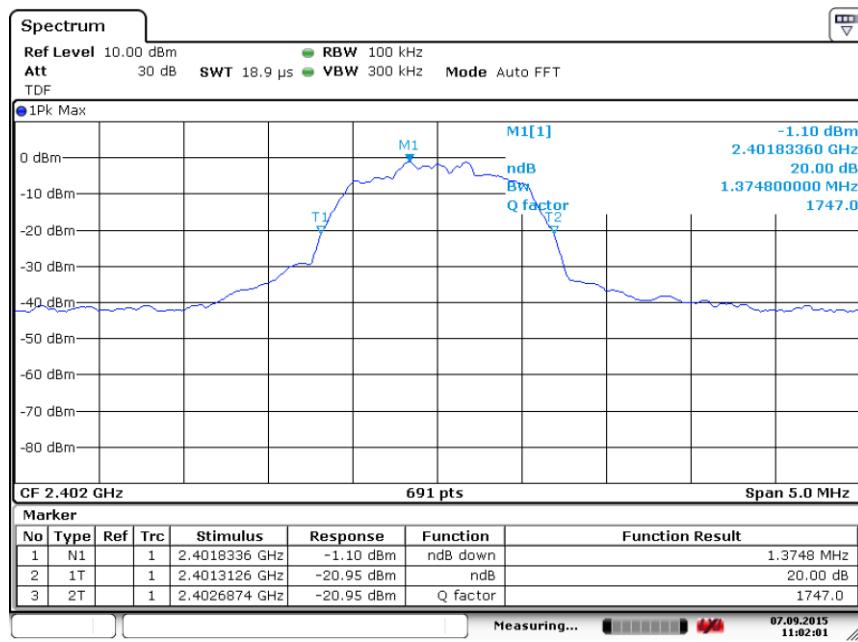
**Fig. 72 Occupied 20dB Bandwidth (GFSK, Ch 0)**



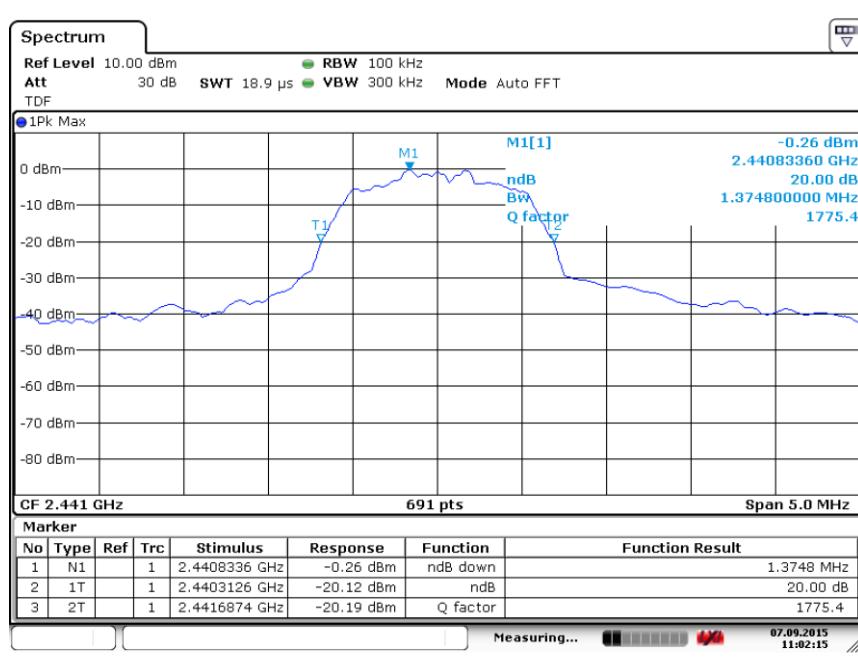
**Fig. 73 Occupied 20dB Bandwidth (GFSK, Ch 39)**



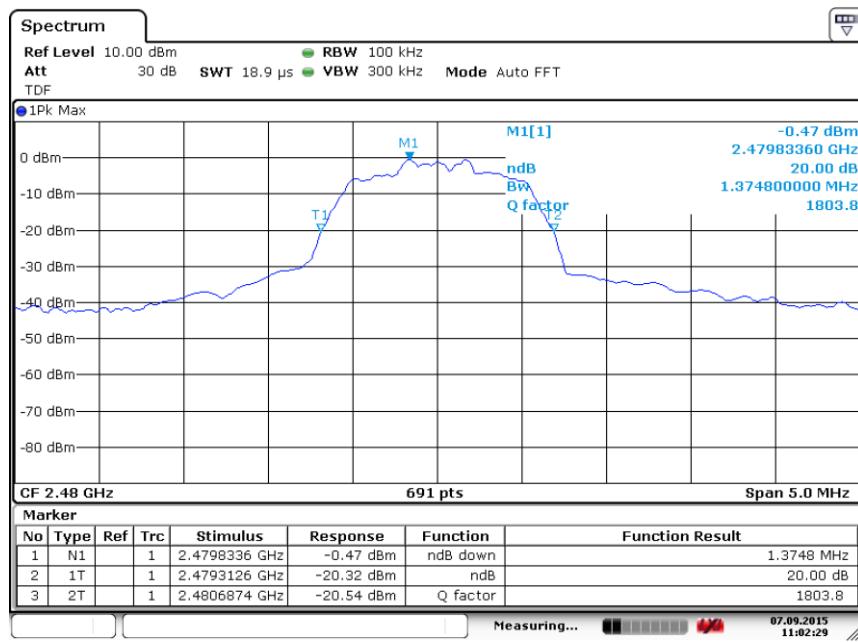
**Fig. 74 Occupied 20dB Bandwidth (GFSK, Ch 78)**



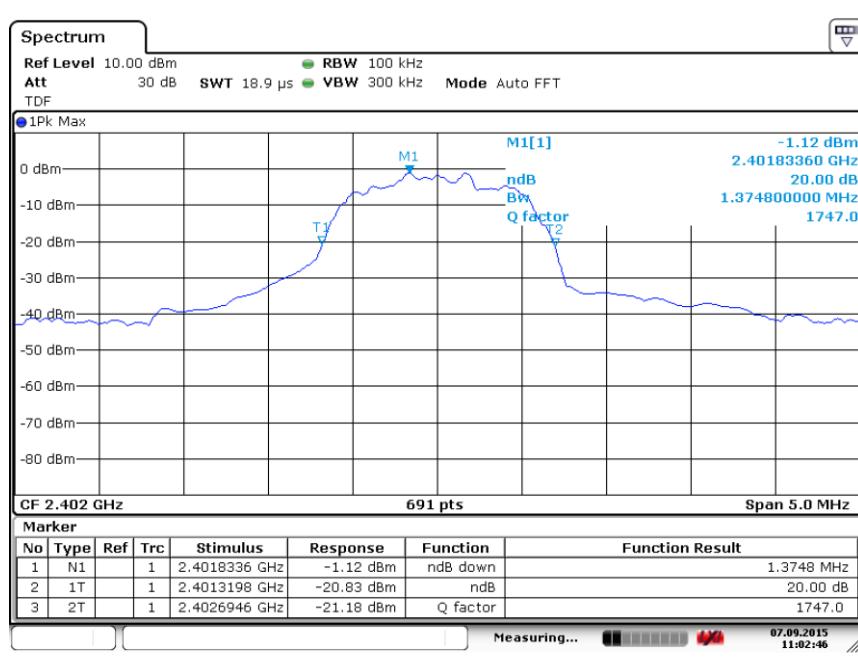
**Fig. 75 Occupied 20dB Bandwidth ( $\pi/4$  DQPSK, Ch 0)**



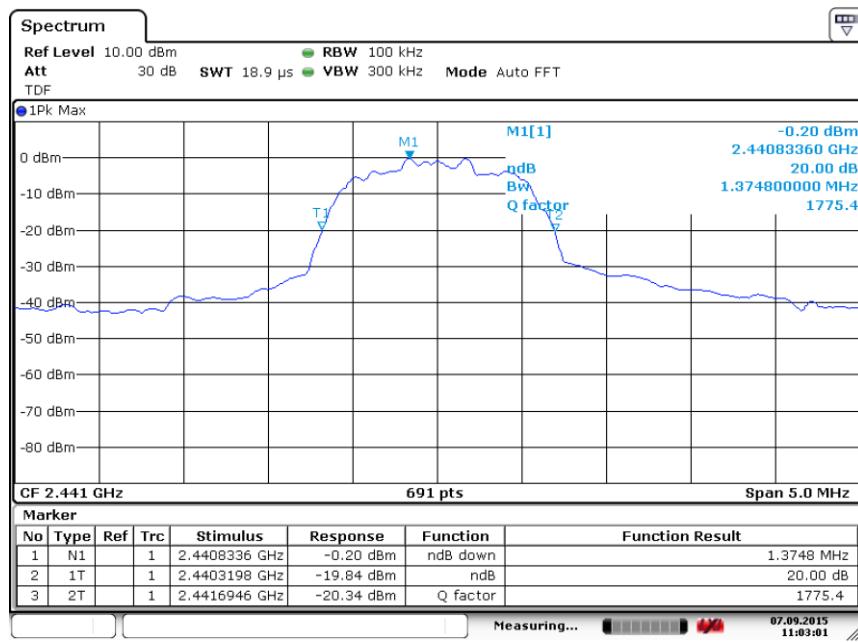
**Fig. 76 Occupied 20dB Bandwidth ( $\pi/4$  DQPSK, Ch 39)**



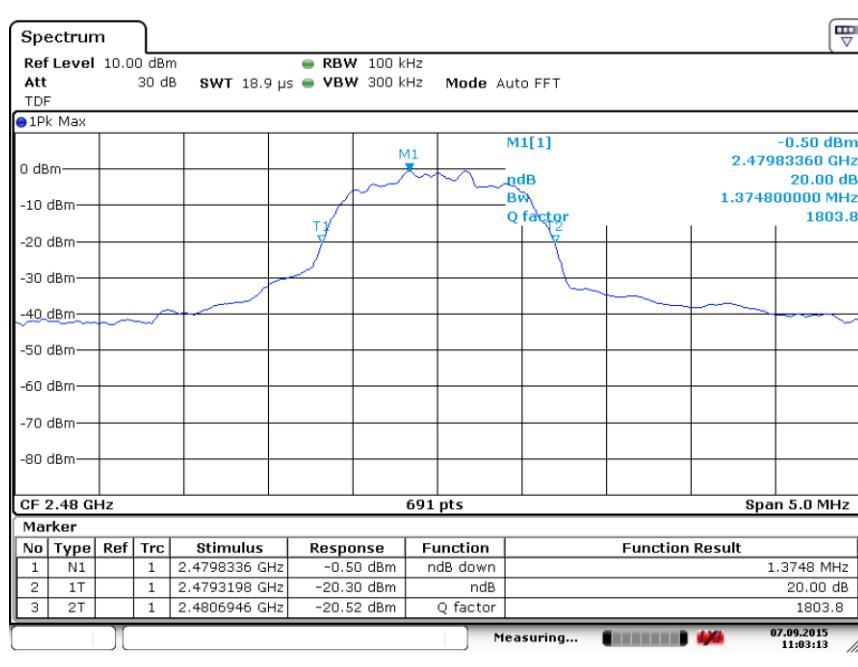
**Fig. 77 Occupied 20dB Bandwidth ( $\pi/4$  DQPSK, Ch 78)**



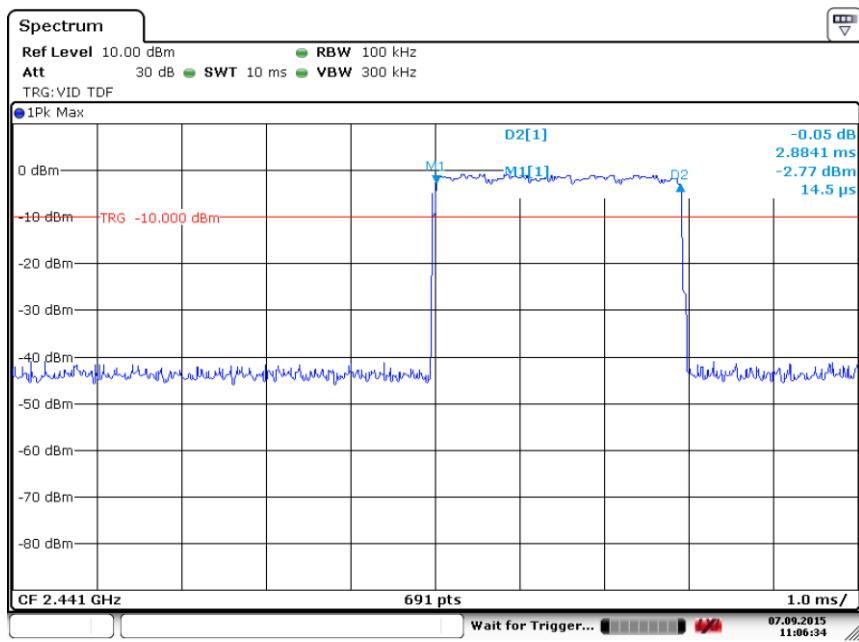
**Fig. 78 Occupied 20dB Bandwidth (8DPSK, Ch 0)**



**Fig. 79 Occupied 20dB Bandwidth (8DPSK, Ch 39)**

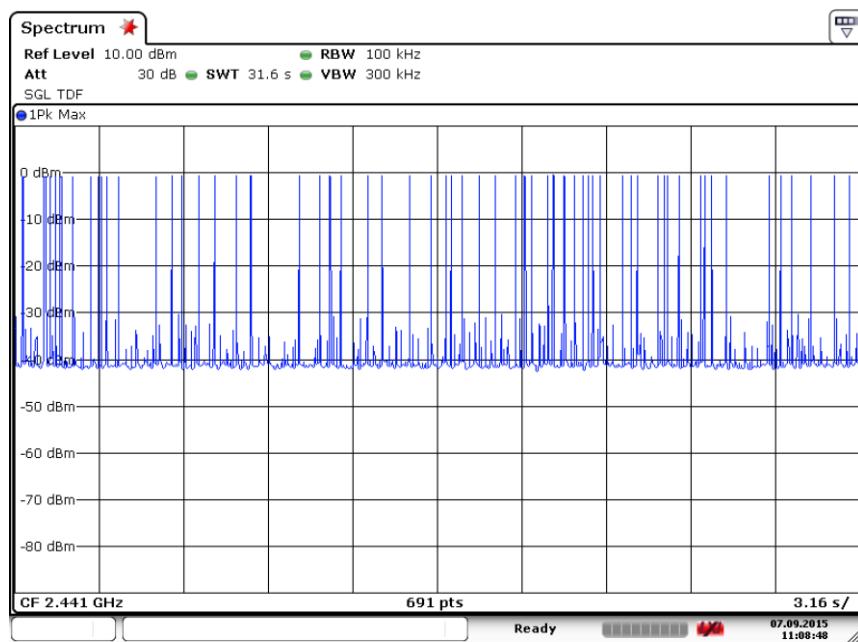


**Fig. 80 Occupied 20dB Bandwidth (8DPSK, Ch 78)**



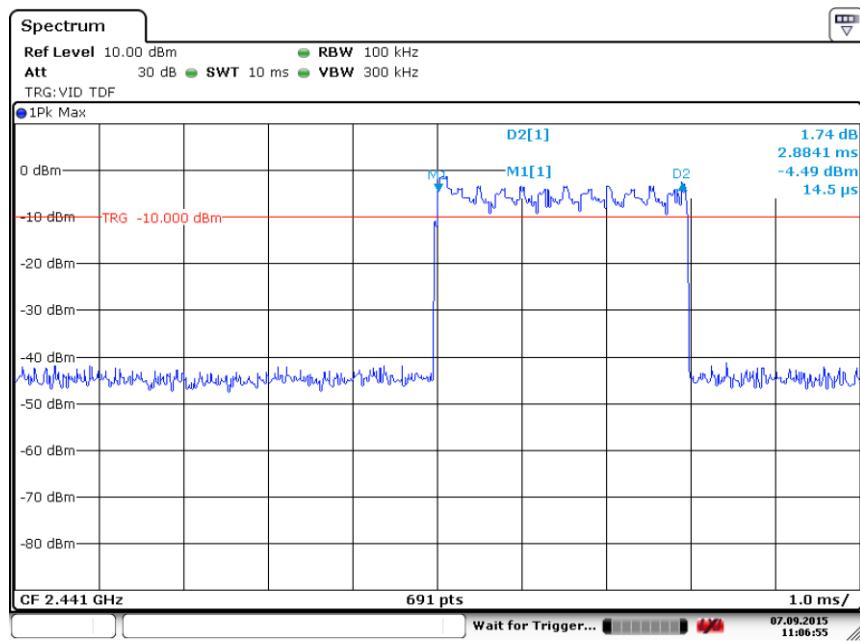
Date: 7.SEP.2015 11:06:34

**Fig. 81 Time of Occupancy(Dwell Time) (GFSK, Ch39)**

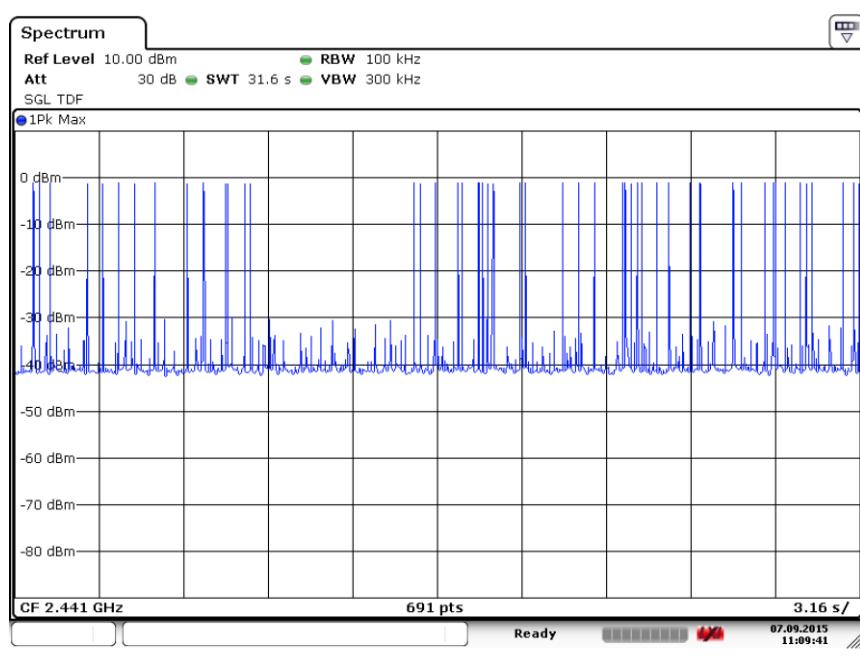


Date: 7.SEP.2015 11:08:48

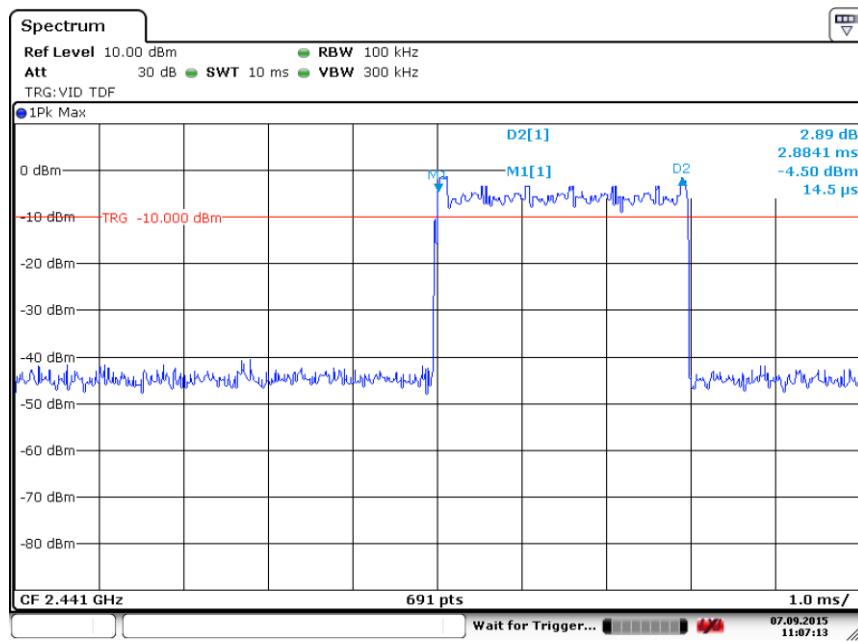
**Fig. 82 Number of Transmissions (GFSK, Ch39)**



**Fig. 83 Time of Occupancy(Dwell Time) ( $\pi/4$  DQPSK, Ch39)**

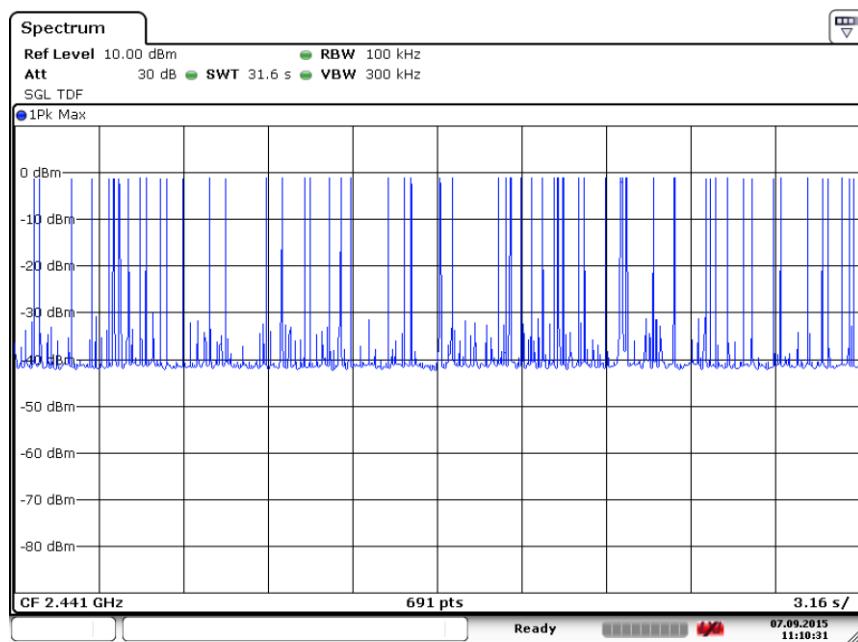


**Fig. 84 Number of Transmissions ( $\pi/4$  DQPSK, Ch39)**



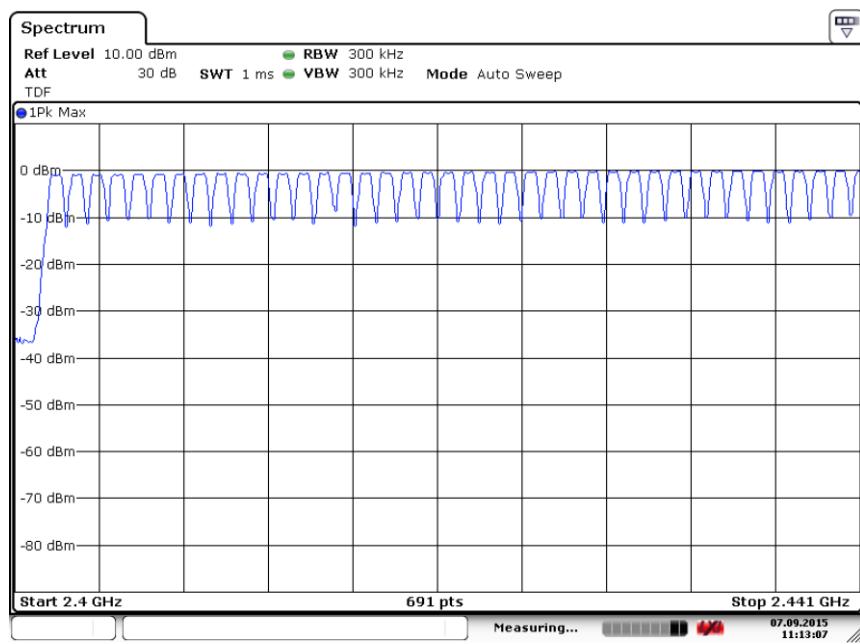
Date: 7.SEP.2015 11:07:13

**Fig. 85 Time of Occupancy(Dwell Time) (8DPSK, Ch39)**

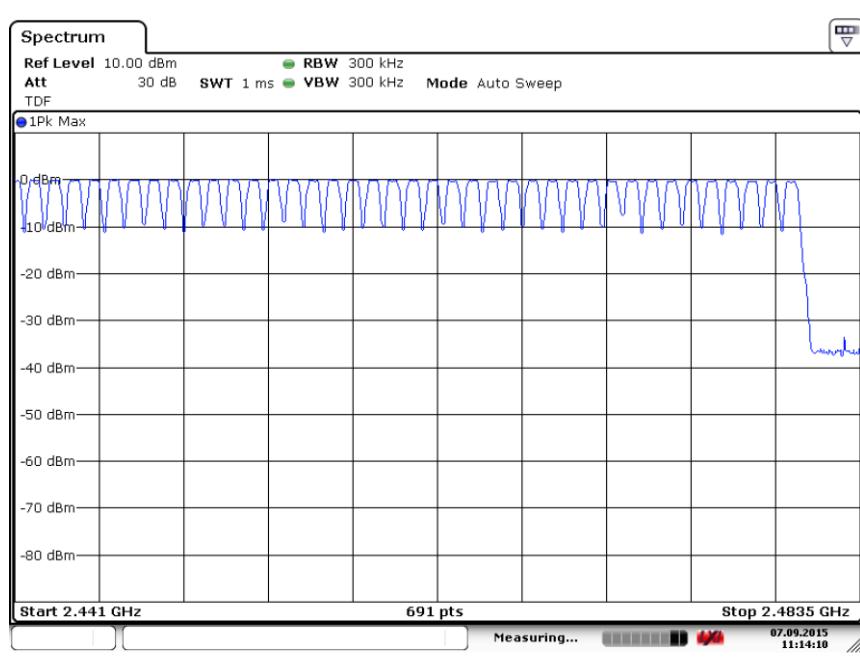


Date: 7.SEP.2015 11:10:31

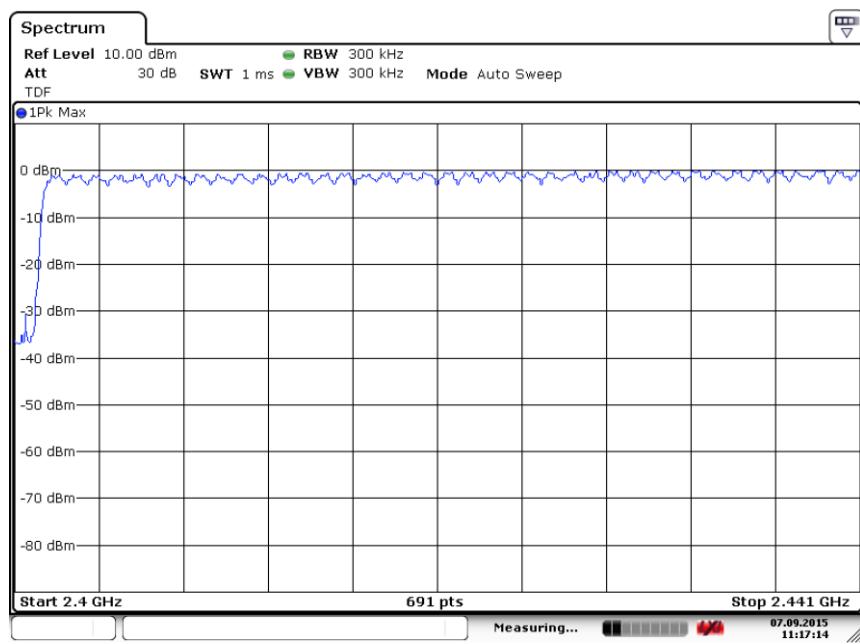
**Fig. 86 Number of Transmissions (8DPSK, Ch39)**



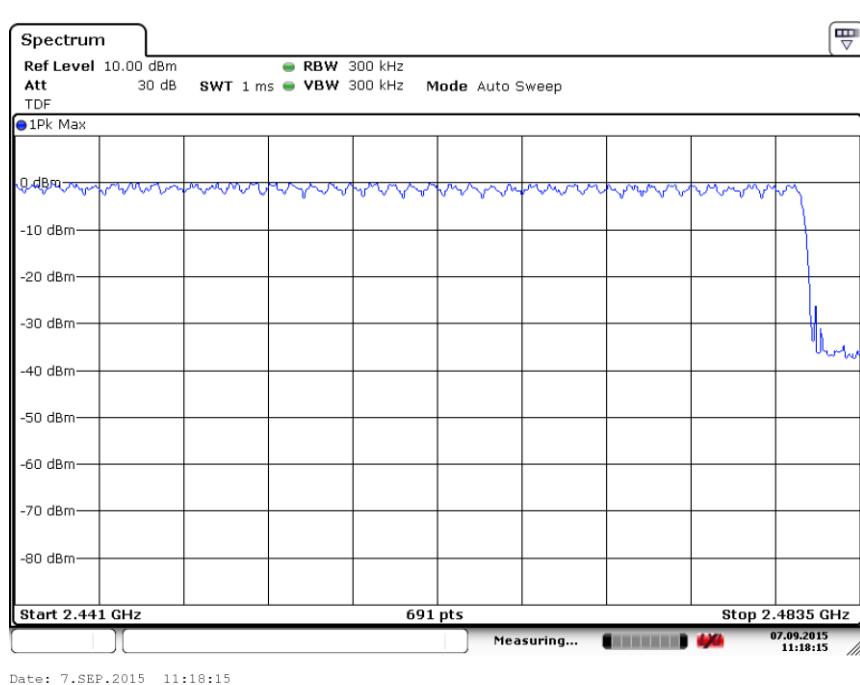
**Fig. 87 Hopping channel ch0~39 (GFSK, Ch39)**



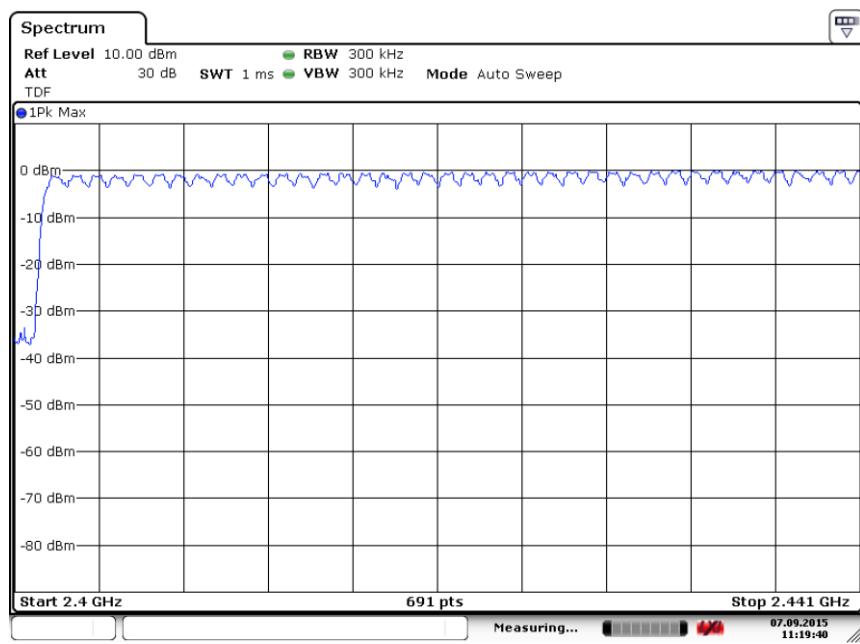
**Fig. 88 Hopping channel ch39~78 (GFSK, Ch39)**



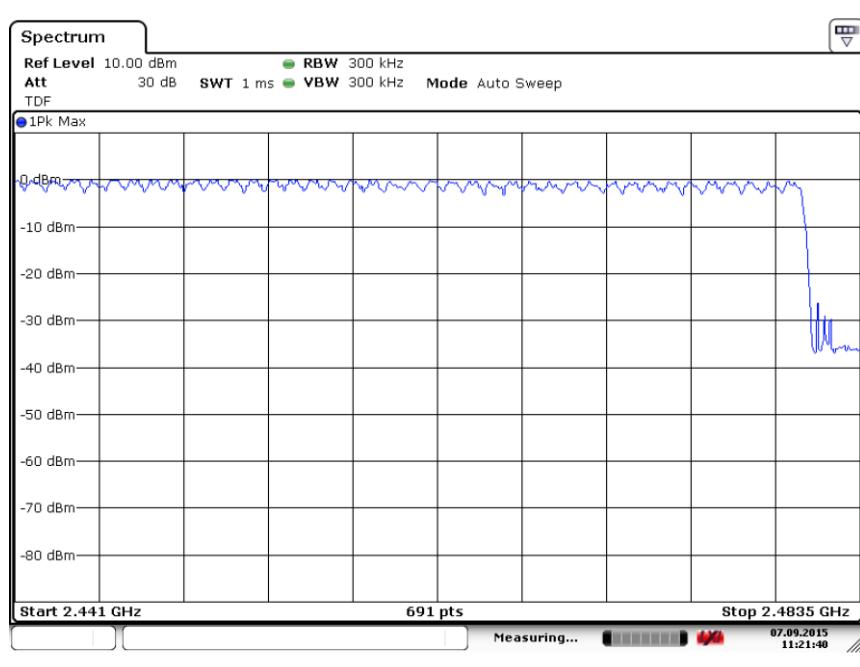
**Fig. 89 Hopping channel ch0~39 ( $\pi/4$  DQPSK, Ch39)**



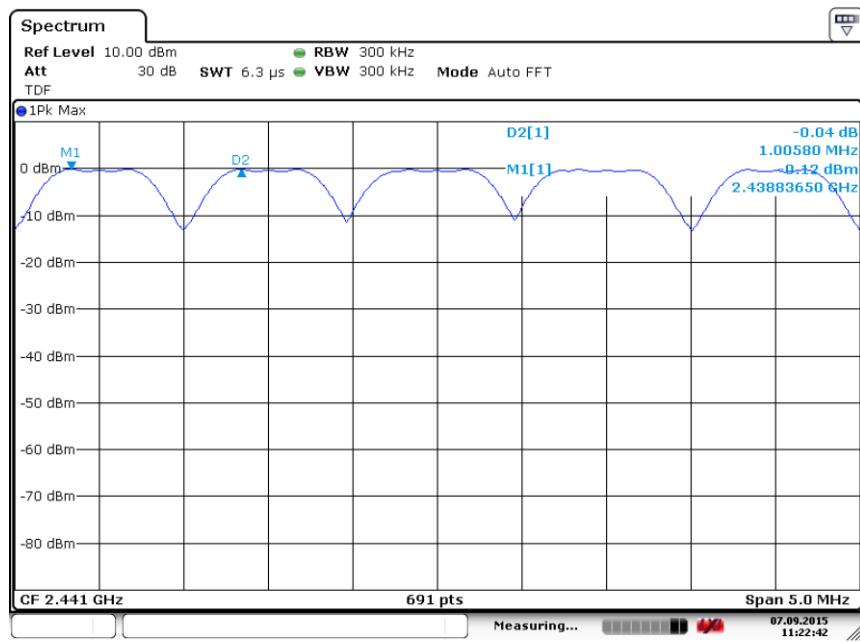
**Fig. 90 Hopping channel ch39~78 ( $\pi/4$  DQPSK, Ch39)**



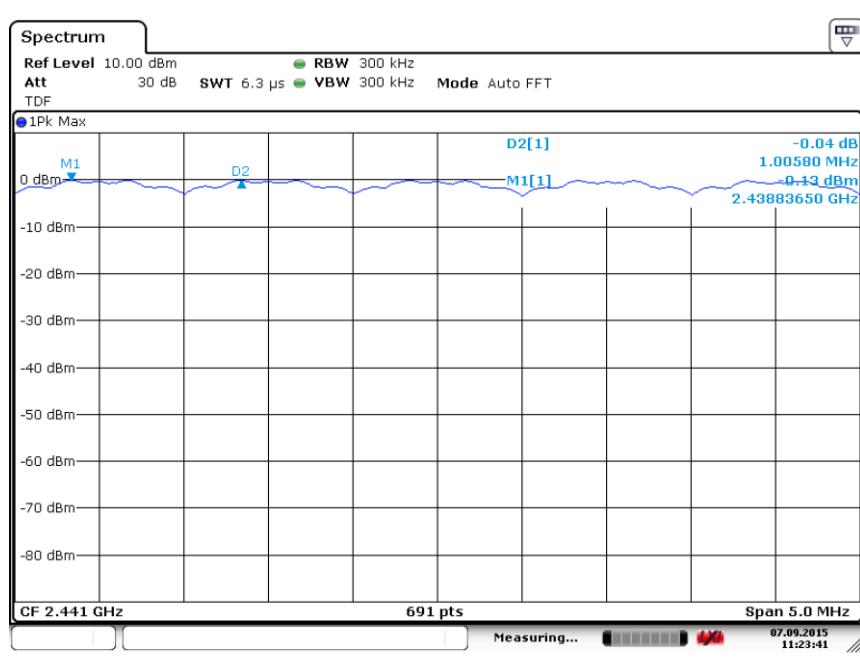
**Fig. 91 Hopping channel ch0~39 (8DPSK, Ch39)**



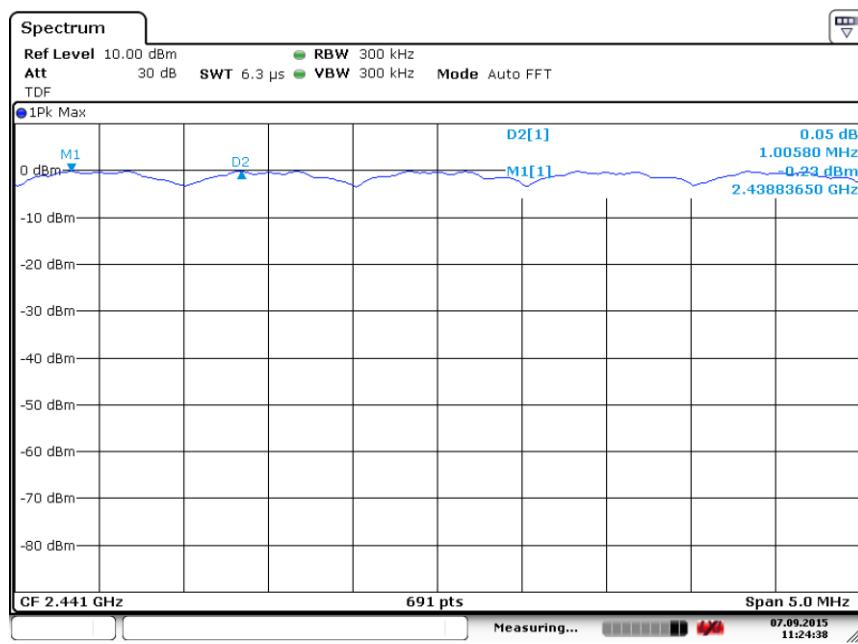
**Fig. 92 Hopping channel ch39~78 (8DPSK, Ch39)**



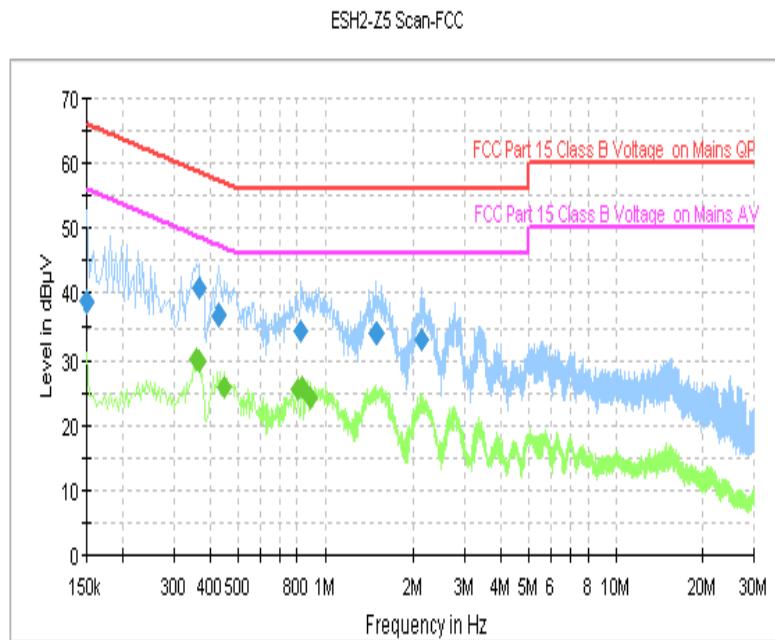
**Fig. 93 Carrier Frequency Separation (GFSK, Ch39)**



**Fig. 94 Carrier Frequency Separation ( $\pi/4$  DQPSK, Ch39)**



**Fig. 95 Carrier Frequency Separation (8DPSK, Ch39)**

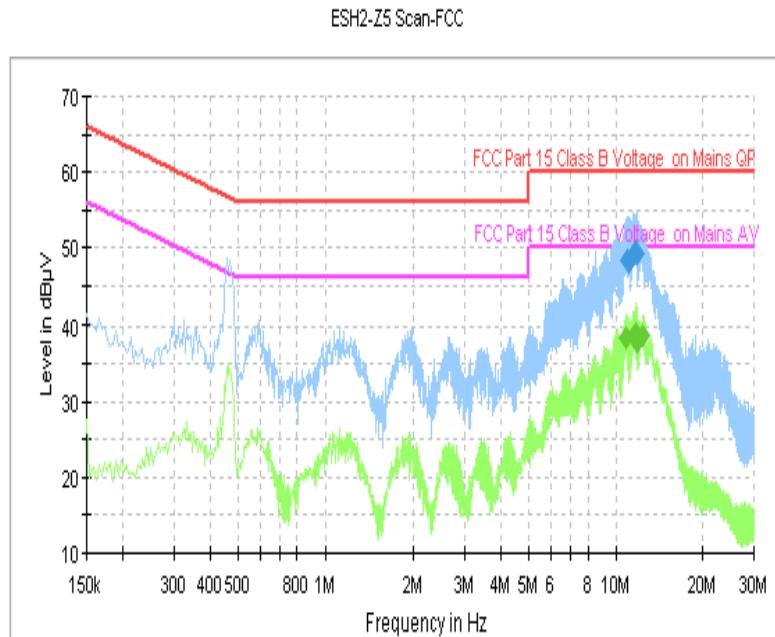

**Fig. 96 AC Power line Conducted Emission (Traffic, AE1)**

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dB $\mu$ V)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.150000	38.9	GND	L1	10.0	27.1	66.0
0.366000	40.8	GND	L1	10.0	17.8	58.6
0.430000	36.8	GND	L1	10.0	20.4	57.3
0.826000	34.5	GND	L1	10.0	21.5	56.0
1.490000	34.2	GND	L1	10.1	21.8	56.0
2.134000	33.2	GND	L1	10.1	22.8	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dB $\mu$ V)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.358000	30.0	GND	L1	10.0	18.7	48.8
0.366000	29.7	GND	L1	10.0	18.8	48.6
0.450000	25.9	GND	L1	10.0	21.0	46.9
0.802000	25.6	GND	L1	10.1	20.4	46.0
0.834000	26.0	GND	L1	10.0	20.0	46.0
0.894000	24.3	GND	L1	10.1	21.7	46.0



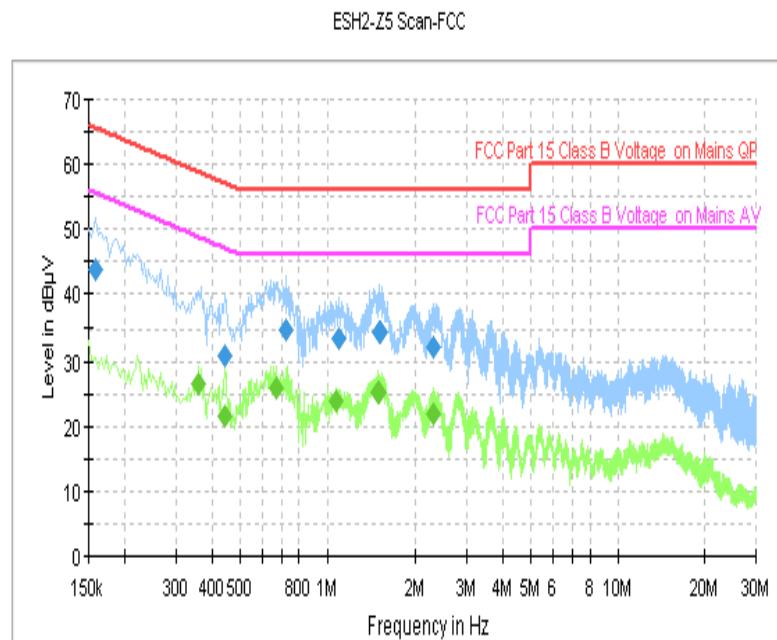
**Fig. 97 AC Power line Conducted Emission (Traffic, AE2)**

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
10.990000	48.5	GND	L1	10.3	11.5	60.0
11.138000	48.2	GND	L1	10.3	11.8	60.0
11.474000	49.0	GND	L1	10.3	11.0	60.0
11.570000	49.3	GND	L1	10.3	10.7	60.0
11.770000	49.6	GND	L1	10.3	10.4	60.0
11.830000	49.1	GND	L1	10.4	10.9	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
10.862000	38.4	GND	L1	10.3	11.6	50.0
11.730000	39.1	GND	L1	10.3	10.9	50.0
11.814000	38.3	GND	L1	10.3	11.7	50.0
11.830000	38.1	GND	L1	10.4	11.9	50.0
11.854000	37.8	GND	L1	10.4	12.2	50.0
12.350000	38.7	GND	L1	10.4	11.3	50.0



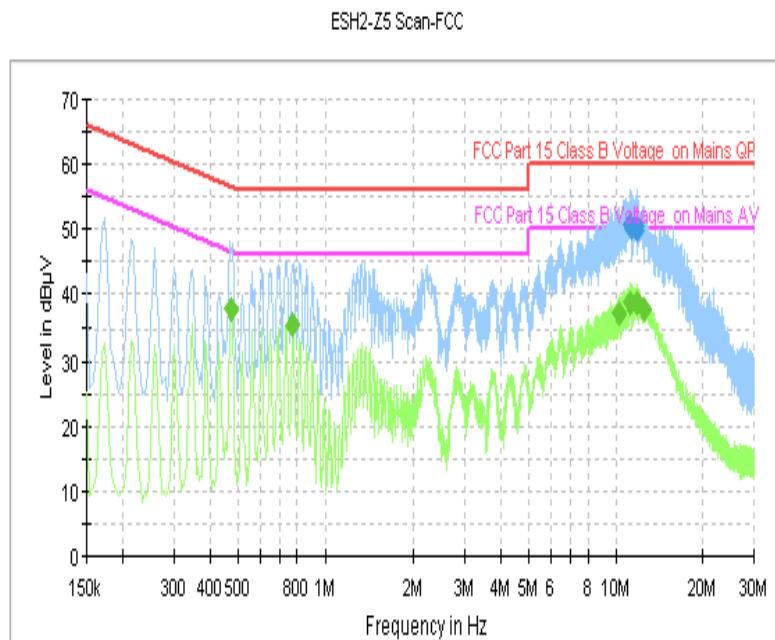
**Fig. 98 AC Power line Conducted Emission (Idle, AE1)**

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dB $\mu$ V)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.158000	43.8	GND	L1	10.0	21.8	65.6
0.442000	31.0	GND	L1	10.0	26.0	57.0
0.718000	34.7	GND	L1	10.0	21.3	56.0
1.102000	33.5	GND	L1	10.1	22.5	56.0
1.514000	34.4	GND	L1	10.1	21.6	56.0
2.314000	32.1	GND	L1	10.1	23.9	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dB $\mu$ V)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V)
0.358000	26.6	GND	L1	10.0	22.1	48.8
0.442000	21.6	GND	L1	10.0	25.4	47.0
0.666000	26.0	GND	L1	10.0	20.0	46.0
1.078000	23.7	GND	L1	10.1	22.3	46.0
1.498000	25.3	GND	L1	10.1	20.7	46.0
2.298000	21.7	GND	L1	10.1	24.3	46.0


**Fig. 99 AC Power line Conducted Emission (Idle, AE2)**

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
11.202000	50.7	GND	L1	10.3	9.3	60.0
11.286000	50.2	GND	L1	10.3	9.8	60.0
11.294000	50.4	GND	L1	10.3	9.6	60.0
11.798000	50.3	GND	L1	10.3	9.7	60.0
11.850000	50.3	GND	L1	10.4	9.7	60.0
11.874000	49.9	GND	L1	10.4	10.1	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.474000	37.8	GND	L1	10.0	8.6	46.4
0.774000	35.3	GND	L1	10.1	10.7	46.0
10.314000	37.1	GND	L1	10.3	12.9	50.0
11.226000	38.8	GND	L1	10.3	11.2	50.0
11.874000	38.7	GND	L1	10.4	11.3	50.0
12.478000	37.8	GND	L1	10.4	12.2	50.0

**ANNEX C: Persons involved in this testing**

Test Name	Tester
Maximum Peak Output Power	Xu Ye, Tang Weisheng
Peak Power Spectral Density	Xu Ye, Tang Weisheng
Occupied 6dB Bandwidth	Xu Ye, Tang Weisheng
Band Edges Compliance	Xu Ye, Tang Weisheng
Transmitter Spurious Emission - Conducted	Xu Ye, Tang Weisheng
Transmitter Spurious Emission - Radiated	Xu Ye, Tang Weisheng
AC Powerline Conducted Emission	Xu Ye, Tang Weisheng

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