



*Full*

# TEST REPORT

**No. I17D00059-WLA**

*For*

**Client : Mobewire SAS**

**Production : 3G Smart Phone**

**Model Name : MobiWire Kosumi**

**FCC ID: QPN-KOSUMI**

**Hardware Version: V01**

**Software Version: V01**

**Issued date: 2017-05-19**

**Note:**

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

**Test Laboratory:**

ECIT Shanghai, East China Institute of Telecommunications

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# RF Test Report

Report No.: I17D00059-WLAN

## Revision Version

Report Number	Revision	Date	Memo
I17D00059-WLAN	00	2017-04-28	Initial creation of test report
I17D00059-WLAN	01	2017-05-11	Second creation of test report
I17D00059-WLAN	02	2017-05-19	Third creation of test report

**CONTENTS**

1.	TEST LABORATORY.....	5
1.1.	TESTING LOCATION.....	5
1.2.	TESTING ENVIRONMENT.....	5
1.3.	PROJECT DATA .....	5
1.4.	SIGNATURE .....	5
2.	CLIENT INFORMATION.....	6
2.1.	APPLICANT INFORMATION .....	6
2.2.	MANUFACTURER INFORMATION .....	6
3.	EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE).....	7
3.1.	ABOUT EUT .....	7
3.2.	INTERNAL IDENTIFICATION OF EUT USED DURING THE TEST .....	7
3.3.	INTERNAL IDENTIFICATION OF AE USED DURING THE TEST .....	7
4.	REFERENCE DOCUMENTS .....	8
4.1.	REFERENCE DOCUMENTS FOR TESTING.....	8
5.	SUMMARY OF TEST RESULTS.....	9
5.1.	NOTES.....	10
5.2.	STATEMENTS .....	10
6.	TEST RESULT .....	11
6.1.	MAXIMUM OUTPUT POWER.....	11
6.2.	PEAK POWER SPECTRAL DENSITY .....	15
6.3.	OCCUPIED 6DB BANDWIDTH .....	24
6.4.	BAND EDGES COMPLIANCE .....	33
6.5.	TRANSMITTER SPURIOUS EMISSION-CONDUCTED.....	40
6.6.	TRANSMITTER SPURIOUS EMISSION-RADIATED.....	58
6.7.	AC POWERLINE CONDUCTED EMISSION.....	108



## ***RF Test Report***

Report No.: I17D00059-WLAN

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<b>7.</b>	<b>TEST EQUIPMENT AND ANCILLARIES USED FOR TESTS .....</b>	<b>111</b>
<b>8.</b>	<b>TEST ENVIRONMENT .....</b>	<b>112</b>
<b>ANNEX A.</b>	<b>DEVIATIONS FROM PRESCRIBED TEST METHODS .....</b>	<b>113</b>

## 1. Test Laboratory

### 1.1. Testing Location

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

### 1.2. Testing Environment

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

### 1.3. Project data

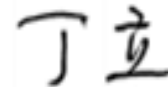
Project Leader:	Yu Anlu
Testing Start Date:	2017-04-05
Testing End Date:	2017-04-06

### 1.4. Signature



**Chen Lei**

(Prepared this test report)



**Ding Li**

(Reviewed this test report)



**Zheng Zhongbin**

**Director of the laboratory**

(Approved this test report)

## 2. Client Information

### 2.1. Applicant Information

Company Name:           Mobiwire SAS  
Address:                 79 AVENUE FRANCOIS ARAGO 92017 NANTERRE CEDEX  
                              France.  
Telephone:             +33 1 78 14 09 58  
Postcode:               France 92017

### 2.2. Manufacturer Information

Company Name:         MOBIWIRE MOBILES (NINGBO) CO.,LTD  
Address:                No.999,Dacheng East Road,Fenghua City,Zhejiang  
Telephone:             0574 59555707  
Postcode:               315500

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

#### 3.1. About EUT

EUT Description	3G Smart Phone
Model name	MobiWire Kosumi
WLAN Frequency	2412MHz-2472MHz
WLAN Channel	Channel1-Channel11,CH12,CH13
WLAN type of modulation	802.11b:DSSS 802.11g/n: OFDM
Extreme Temperature	-10/+55 °C
Nominal Voltage	3.5V
Extreme High Voltage	3.8V
Extreme Low Voltage	4.35V

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

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

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
N01	351780080668561	V01	V01	2017-03-20

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

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

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

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

## 4. Reference Documents

### 4.1. Reference Documents for testing

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

Reference	Title	Version
FCC Part15	FCC CFR 47, Part 15,Subpart C: 15.205 Restricted bands of operation; 15.209 Radiated emission limits, general requirements; 15.247 Operation within the bands 902-928MHz, 2400-2483.5MHz, and 5725-5850MHz.	Jun,2016 Edition
ANSI 63.10	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9KHz to 40GHz	2013



## 5. Summary of Test Results

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

Measurement Items	Sub-clause of Part15C	Sub-clause of IC	Verdict
Maximum Peak Output Power	15.247(a)	/	P
Peak Power Spectral Density	15.247(e)	/	P
Occupied 6dB Bandwidth	15.247(d)	/	P
Band Edges Compliance	15.247(b)	/	P
Transmitter Spurious Emission-Conducted	15.247	/	P
Transmitter Spurious Emission-Radiated	15.247,15.209,	/	P
AC Powerline Conducted Emission	15.107,15.207	/	P

Please refer to part 5 for detail.

The measurements are according to Public notice KDB558074 and ANSI C63.4.

Terms used in Verdict column

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

## Test Conditions

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

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

Temperature	Tnom	22°C
Voltage	Vnom	3.7V
Humidity	Hnom	32%
Air Pressure	Anom	1010hPa

### 5.1. Notes

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

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

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

### 5.2. Statements

The product name MobiWire Kosumi, supporting GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA/HSPA+/WLAN/BT/BLE/GPS, manufactured by MOBIWIRE MOBILES (NINGBO) CO.,LTD is a new product for testing.

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

## 6. Test result

### 6.1. Maximum Output Power

#### 6.1.1 Measurement Limit and method:

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

#### 6.1.2 Test procedure

The measurement is according to ANSI C63.10 clause 11.2

1. The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Enable EUT transmitter maximum power continuously.
3. Set RBW  $\geq$  OBW, VBW  $\geq$  3RBW.
4. Detector : Peak.
5. Trace mode: Max Hold

#### 6.1.3 Measurement Uncertainty:

Measurement Uncertainty	0.75dB
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#### 6.1.4 Maximum Peak Output Power-conducted

##### Measurement Results:

##### 802.11b/g mode

Mode	Data Rate(Mbps)	Teat Result(dBm)		
		2412MHz(Ch1)	2437MHz(Ch6)	2462MHz(Ch11)
802.11b	1	17.404	17.322	17.286
	2	17.534	17.421	17.488
	5.5	17.351	17.301	17.352
	11	17.328	17.423	17..318
802.11g	6	18.801	18.635	18.753
	9	18.564	18.418	18.236
	12	19.022	18.932	18.842
	18	18.473	18.316	18.828

	24	17.954	17.981	17.845
	36	18.771	18.836	18.418
	48	18.022	18.423	18.316
	54	18.328	18.365	18.712

The data rate 2Mbps and 12Mbps are selected as worse condition, and the following cases are performed with this condition.

Mode	Data Rate(Mbps)	Teat Result(dBm)		
		2467MHz(Ch12)	2472MHz(Ch13)	/
802.11b	1	17.284	17.324	/
	2	17.421	17.264	/
	5.5	17.574	17.534	/
	11	17.342	17.423	/
802.11g	6	18.768	18.234	/
	9	18.324	18.431	/
	12	18.656	18.632	/
	18	18.231	18.453	/
	24	17.345	17.882	/
	36	18.177	18.623	/
	48	18.232	18.234	/
	54	18.498	18.552	/

**802.11n mode**

Mode	Data Rate(Index)	Teat Result(dBm)		
		2412MHz(Ch1)	2437MHz(Ch6)	2462MHz(Ch11)
802.11n(20MHz)	MCS0	18.595	18.345	18.452
	MCS1	18.747	18.732	18.675
	MCS2	18.938	18.669	18.904

	MCS3	18.892	18.234	18.327
	MCS4	18.663	18.885	18.824
	MCS5	18.969	18.912	18.876
	MCS6	19.167	18.923	18.968
	MCS7	18.595	18.523	18.543
802.11n(40MHz)	MCS0	/	/	/
	MCS1	/	/	/
	MCS2	/	/	/
	MCS3	/	/	/
	MCS4	/	/	/
	MCS5	/	/	/
	MCS6	/	/	/
	MCS7	/	/	/

The data rate MCS6 for 802.11n(20M) are selected as worse condition, and the following case are performed with this condition.

#### 802.11n mode

Mode	Data Rate(Index)	Teat Result(dBm)		
		2467MHz(Ch12)	2472MHz(Ch13)	/
802.11n(20MHz)	MCS0	18.235	18.655	/
	MCS1	18.756	18.232	/
	MCS2	18.978	18.439	/
	MCS3	18.892	18.641	/
	MCS4	18.612	18.455	/
	MCS5	18.459	18.782	/
	MCS6	18.889	18.233	/
	MCS7	18.578	18.133	/

802.11n(40MHz)	MCS0	/	/	/
	MCS1	/	/	/
	MCS2	/	/	/
	MCS3	/	/	/
	MCS4	/	/	/
	MCS5	/	/	/
	MCS6	/	/	/
	MCS7	/	/	/

**6.1.5 Maximum Average Output Power-conducted**
**802.11b/g mode**

Mode	Test Result(dBm)		
	2412MHz(Ch1)	2437MHz(Ch6)	2462MHz(Ch11)
802.11b	13.21	12.97	12.39
802.11g	10.40	9.97	9.23

**802.11b/g mode**

Mode	Test Result(dBm)		
	2467MHz(Ch12)	2472MHz(Ch13)	/
802.11b	13.02	12.88	/
802.11g	9.92	9.84	/

**802.11n mode**

Mode	Test Result(dBm)		
	2412MHz(Ch1)	2437MHz(Ch6)	2462MHz(Ch11)
802.11n(20MHz)	9.54	10.67	10.43
802.11n(40MHz)	/	/	/

**802.11n mode**

Mode	Test Result(dBm)		
	2467MHz(Ch12)	2472MHz(Ch13)	/
802.11n(20MHz)	9.82	9.67	/
802.11n(40MHz)	/	/	/

**Conclusion: PASS**

## 6.2. Peak Power Spectral Density

### 6.2.1 Measurement Limit:

Standard	Limit
FCC CFR Part 15.247(e)	< 8dBm/3 KHz

### 6.2.2 Test procedures

The measurement is according to ANSI C63.10 clause 11.10.

1. The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Enable EUT transmitter maximum power continuously.
3. Set analyzer center frequency to DTS channel center frequency.
4. Set the span to 1.5 times the DTS bandwidth.
5. Set the RBW to  $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$ .
6. Set the VBW  $\geq [3 \times \text{RBW}]$ .
7. Detector = peak.
8. Sweep time = auto couple.
9. Trace mode = max hold.
10. Allow trace to fully stabilize.
11. Use the peak marker function to determine the maximum amplitude level within the RBW.
12. If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

### 6.2.3 Measurement Uncertainty:

Measurement Uncertainty	0.75dB
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**6.2.4 Measurement Results:**
**802.11b/g mode**

Mode	Channel	Power Spectral Density(dBm/3kHz)		Conclusion
802.11b	1	Fig.1	-7.658	P
	6	Fig.2	-7.658	P
	11	Fig.3	-8.191	P
	12	Fig.4	-7.116	P
	13	Fig.5	-7.082	P
802.11g	1	Fig.6	-15.457	P
	6	Fig.7	-16.001	P
	11	Fig.8	-16.702	P
	12	Fig.9	-16.252	P
	13	Fig.10	-16.286	P

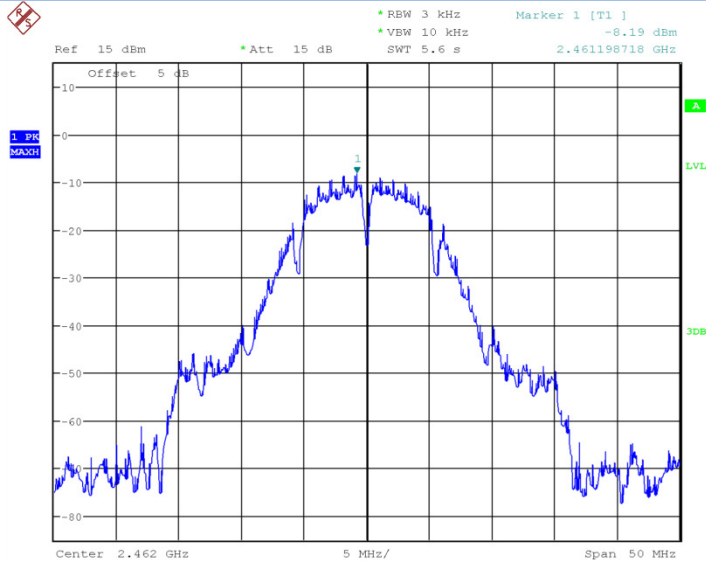
**802.11n mode**

Mode	Channel	Power Spectral Density(dBm/3kHz)		Conclusion
802.11n(20MHz)	1	Fig.11	-14.528	P
	6	Fig.12	-14.73	P
	11	Fig.13	-15.246	P
	12	Fig.14	-14.729	P
	13	Fig.15	-14.374	P
802.11g(40MHz)	1	/	/	/
	6	/	/	/
	11	/	/	/

**Conclusion: PASS**
**Test graphs as below:**

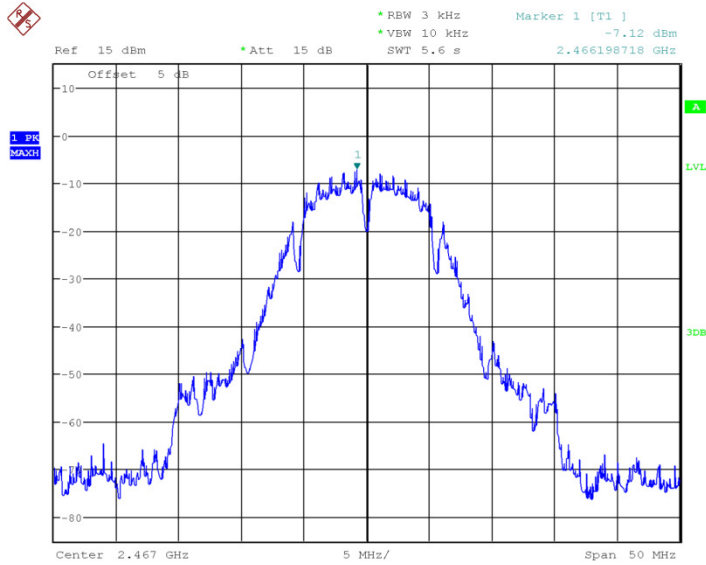






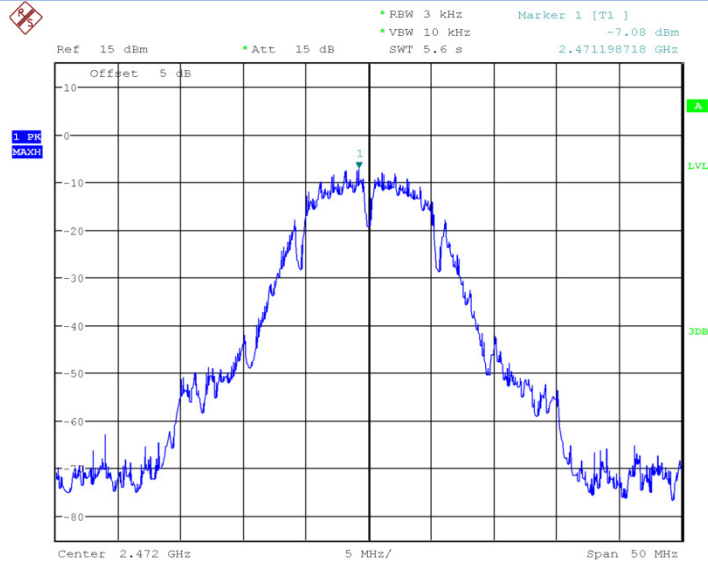
Date: 6.APR.2017 08:04:10

**Fig.3 Power Spectral Density (802.1b,Ch11)**



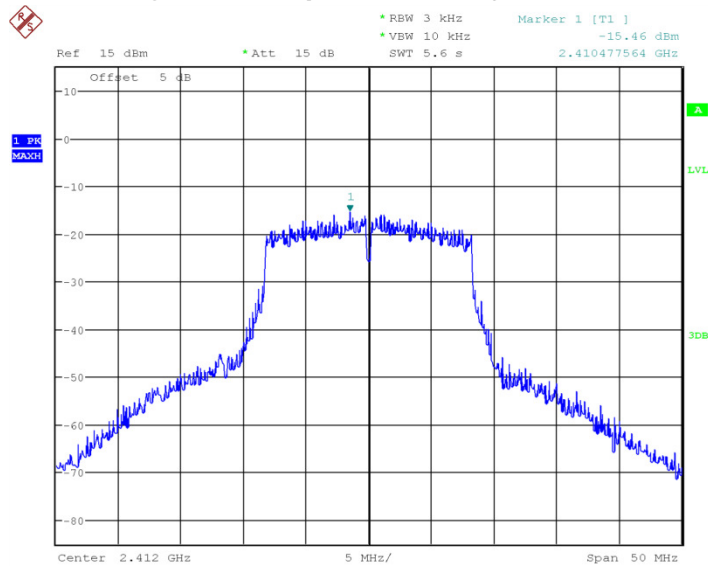
Date: 25.APR.2017 11:31:29

**Fig.4 Power Spectral Density (802.1b,Ch12)**



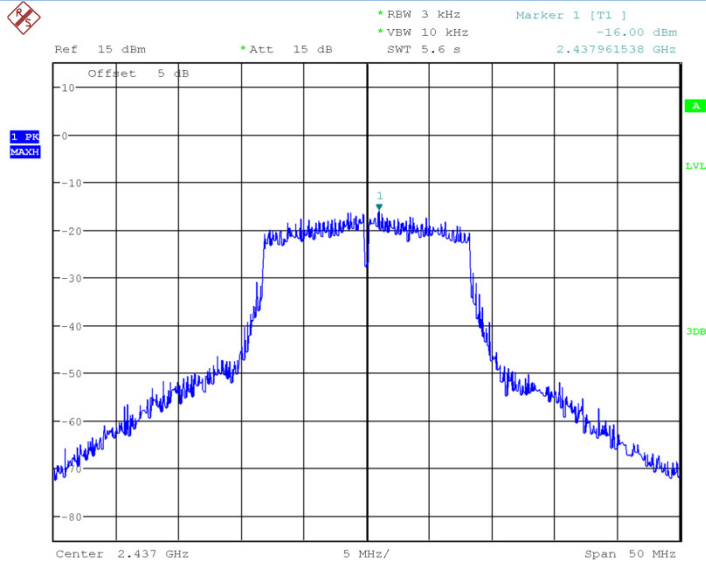
Date: 25.APR.2017 11:31:50

**Fig.5 Power Spectral Density (802.1b,Ch13)**



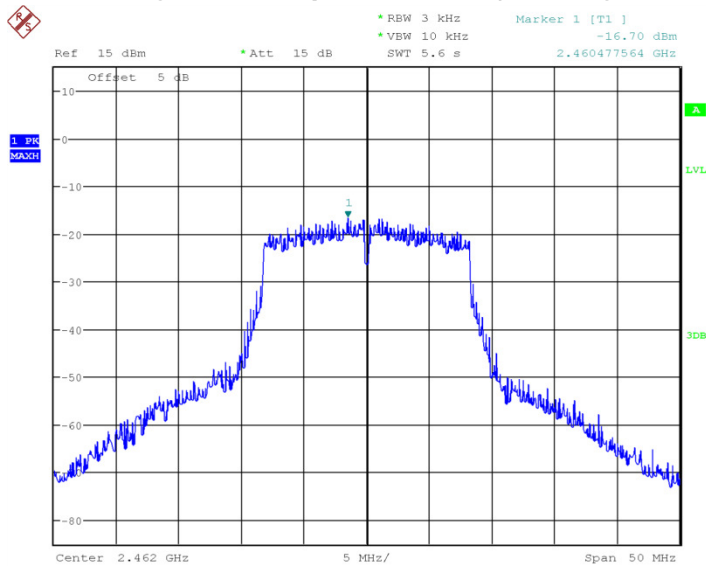
Date: 6.APR.2017 08:04:51

**Fig.6 Power Spectral Density (802.1g,Ch1)**



Date: 6.APR.2017 08:05:31

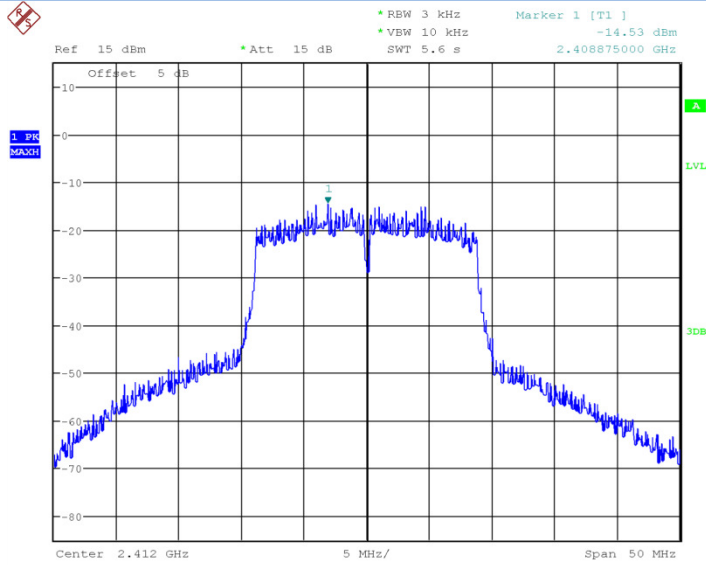
**Fig.7 Power Spectral Density (802.1g,Ch6)**



Date: 6.APR.2017 08:06:05

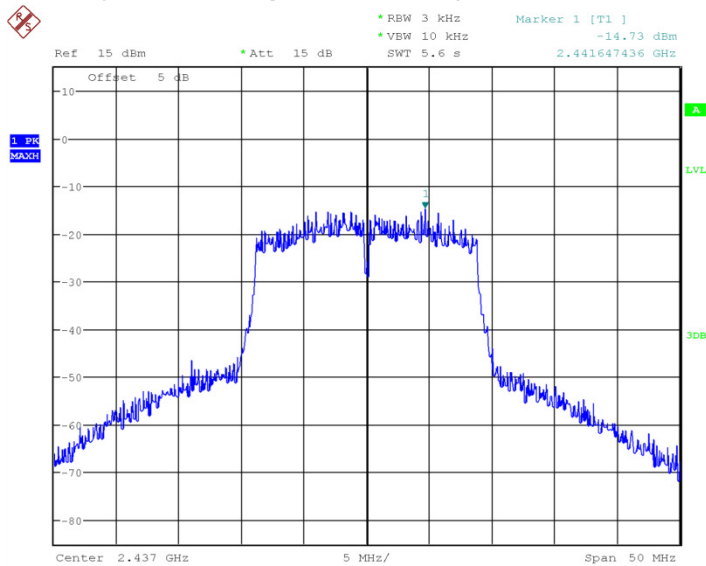
**Fig.8 Power Spectral Density (802.1g,Ch11)**





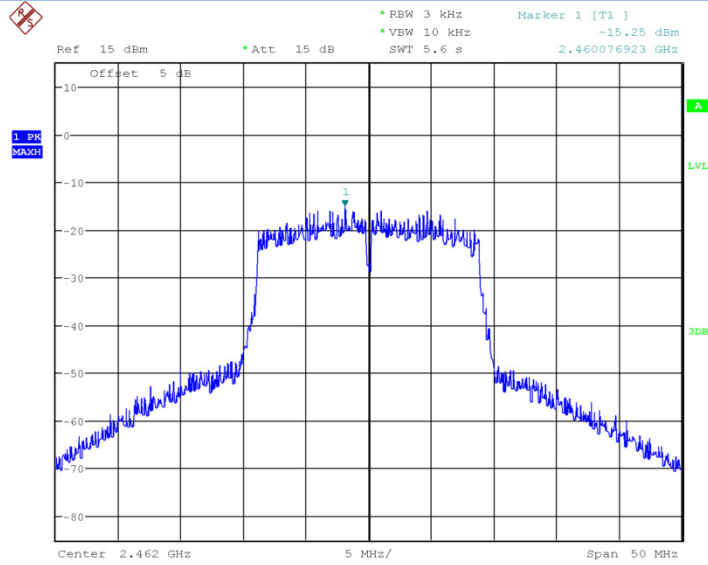
Date: 6.APR.2017 08:06:38

**Fig.11 Power Spectral Density (802.1n-20MHz,Ch1)**



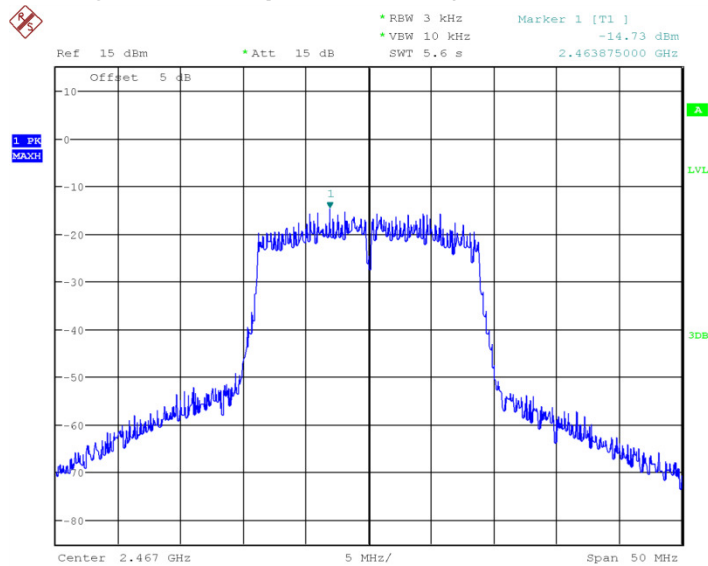
Date: 6.APR.2017 08:07:22

**Fig.12 Power Spectral Density (802.1n-20MHz,Ch6)**



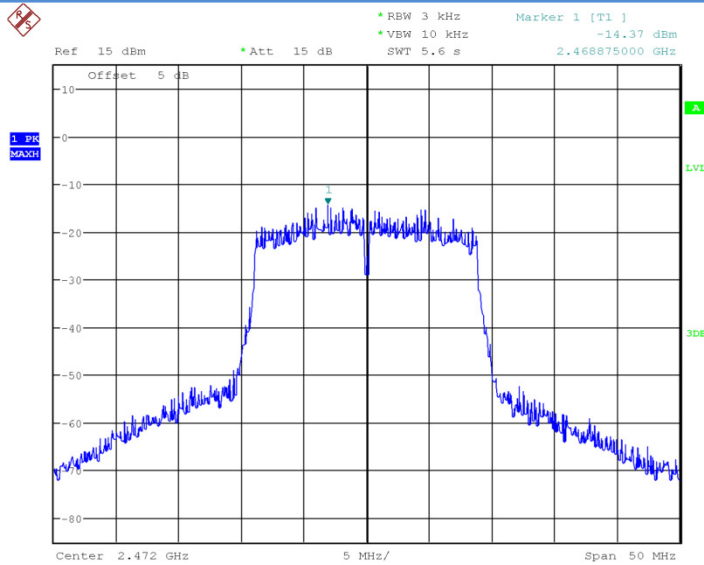
Date: 6.APR.2017 08:07:53

**Fig.13 Power Spectral Density (802.1n-20MHz,Ch11)**



Date: 25.APR.2017 11:42:29

**Fig.14 Power Spectral Density (802.1n-20MHz,Ch12)**



Date: 25.APR.2017 11:43:18

**Fig.15 Power Spectral Density (802.1n-20MHz,Ch13)**

## 6.3. Occupied 6dB Bandwidth

### 6.3.1 Measurement Limit:

Standard	Limit(KHz)
FCC 47 CFR Part 15.247(a)	≥500

### 6.3.2 Test procedure

The measurement is according to ANSI C63.10 clause 11.8.

1. The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Enable EUT transmitter maximum power continuously.
3. Set RBW = 100 kHz.
4. Set the VBW  $\geq [3 \times \text{RBW}]$ .
5. Detector = peak.
6. Trace mode = max hold.
7. Sweep = auto couple.
8. Allow the trace to stabilize.
9. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

### 6.3.4 Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
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### 6.3.5 Measurement Result:

#### 802.11b/g mode

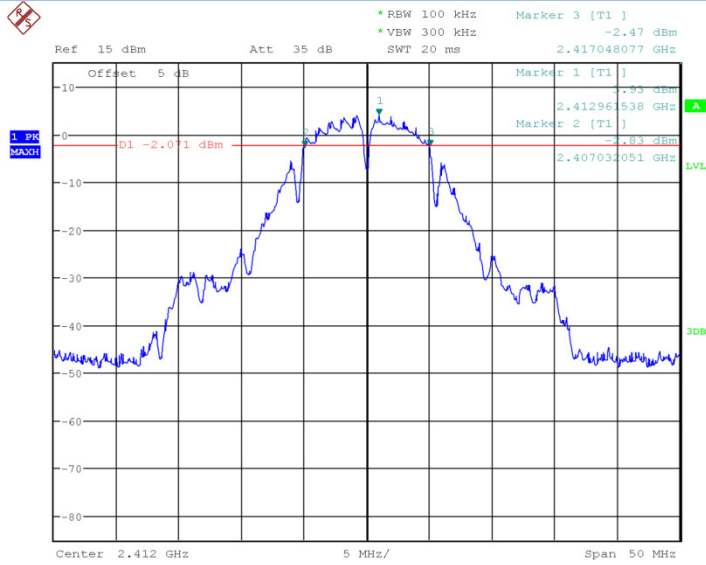
Mode	Channel	Occupied 6dB Bandwidth(MHz)		Conclusion
802.11b	1	Fig.16	10.016	P
	6	Fig.17	10.016	P
	11	Fig.18	9.936	P
	12	Fig.19	9.856	P
	13	Fig.20	9.856	P
802.11g	1	Fig.21	16.506	P
	6	Fig.22	16.506	P
	11	Fig.23	16.506	P
	12	Fig.24	16.506	P
	13	Fig.25	16.506	P

#### 802.11n mode

Mode	Channel	Occupied 6dB Bandwidth(MHz)		Conclusion
802.11n(20MHz)	1	Fig.26	17.788	P
	6	Fig.27	17.788	P
	11	Fig.28	17.788	P
	12	Fig.29	17.788	P
	13	Fig.30	17.788	P
802.11n(40MHz)	3	/	/	/
	6	/	/	/
	11	/	/	/
	12	/	/	/
	13	/	/	/

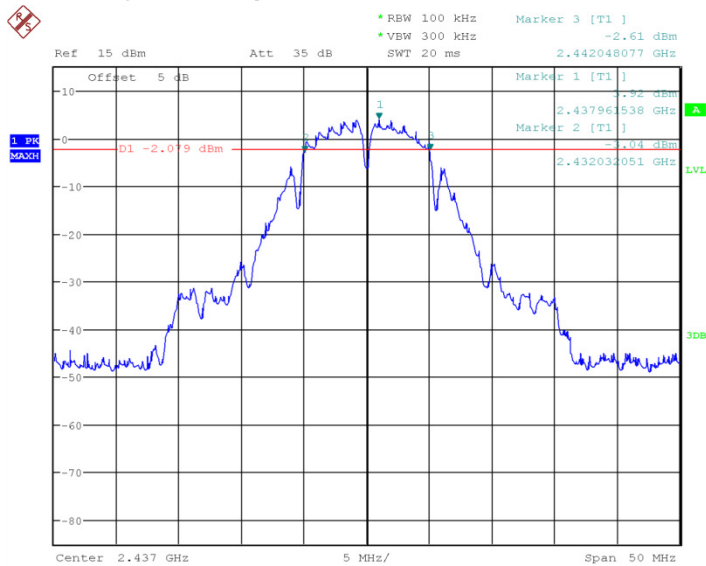
**Conclusion: PASS**

**Test graphs as below:**



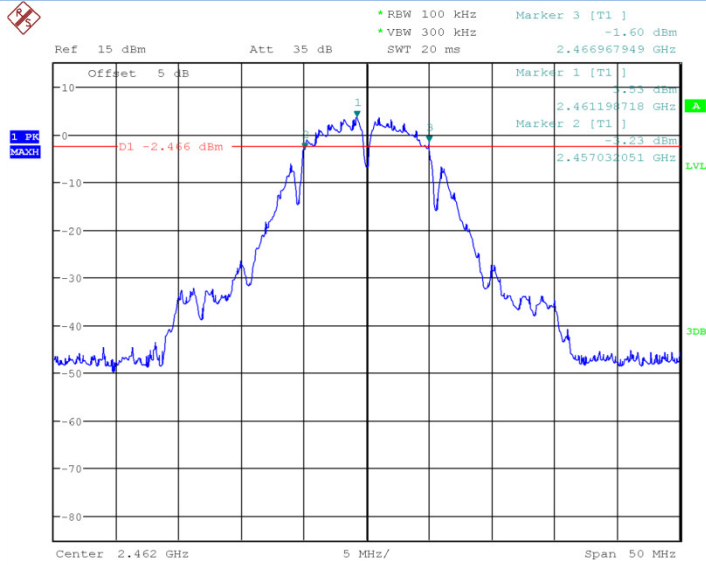
Date: 6.APR.2017 08:11:20

**Fig.16 Occupied 6dB Bandwidth (802.11b, Ch1)**



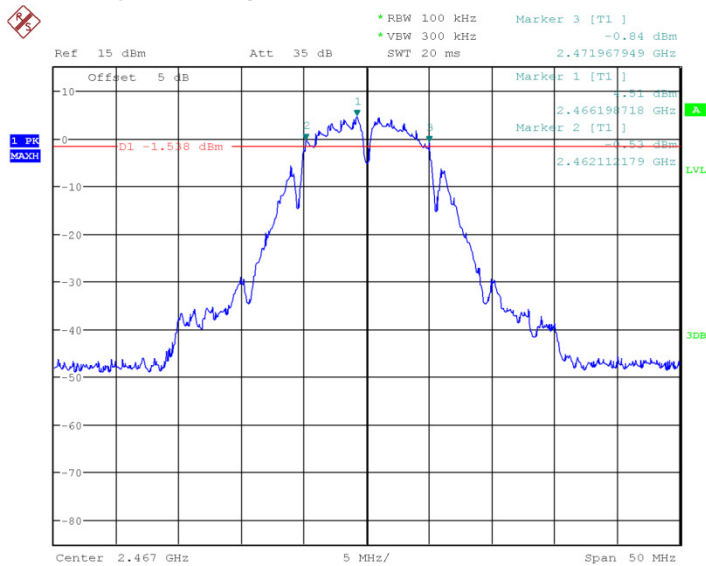
Date: 6.APR.2017 08:11:58

**Fig.17 Occupied 6dB Bandwidth (802.11b, Ch6)**



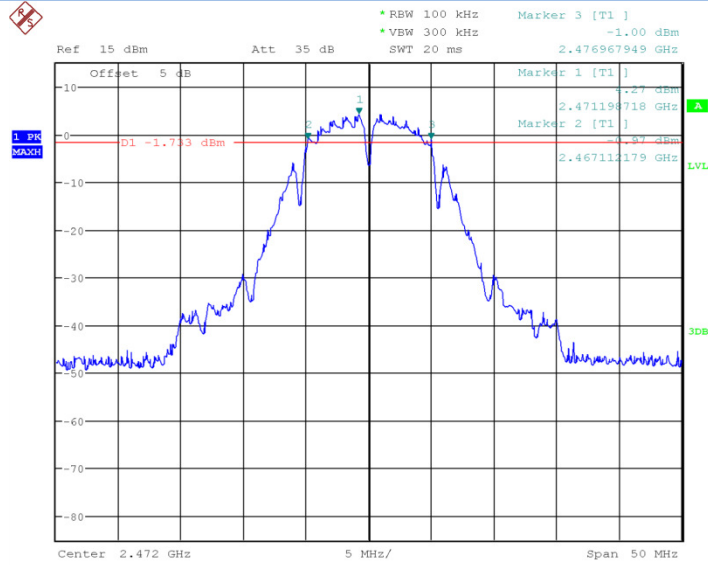
Date: 6.APR.2017 08:12:26

**Fig.18 Occupied 6dB Bandwidth (802.11b, Ch11)**



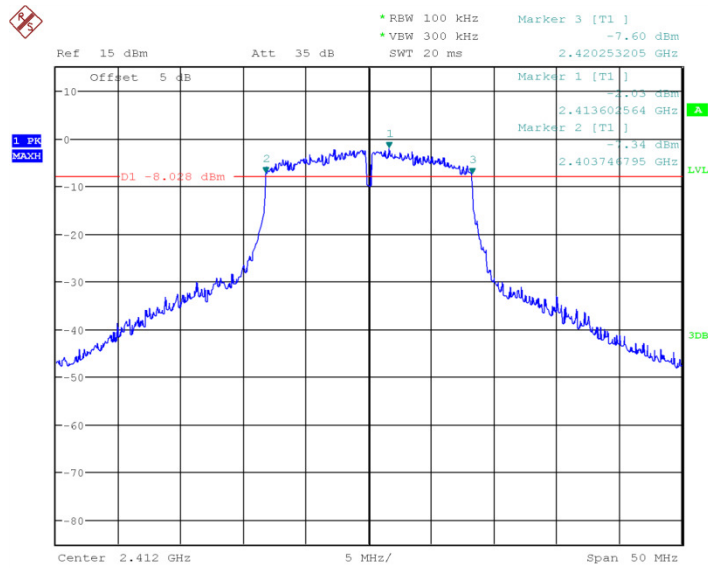
Date: 25.APR.2017 11:56:33

**Fig.19 Occupied 6dB Bandwidth (802.11b, Ch12)**



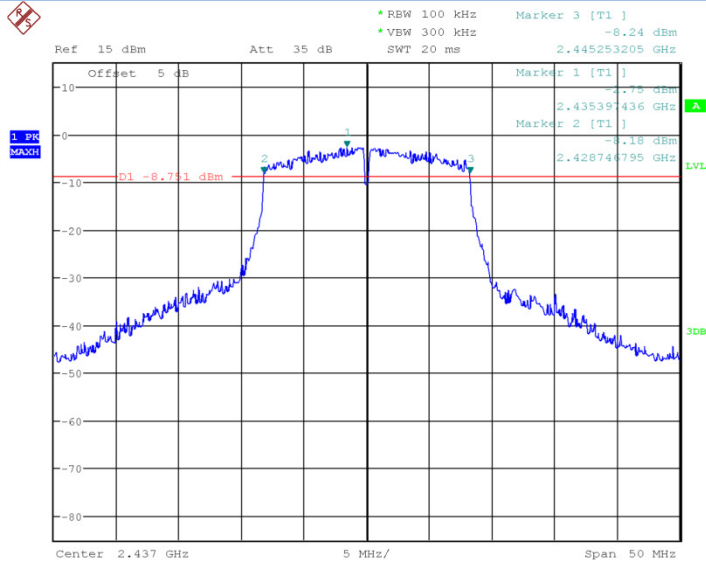
Date: 25.APR.2017 11:57:06

**Fig.20 Occupied 6dB Bandwidth (802.11b, Ch13)**



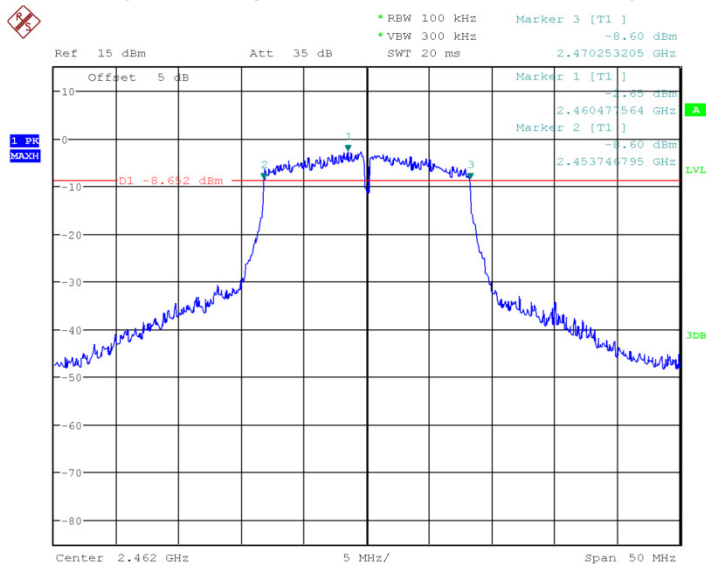
Date: 6.APR.2017 08:13:04

**Fig.21 Occupied 6dB Bandwidth (802.11g, Ch1)**



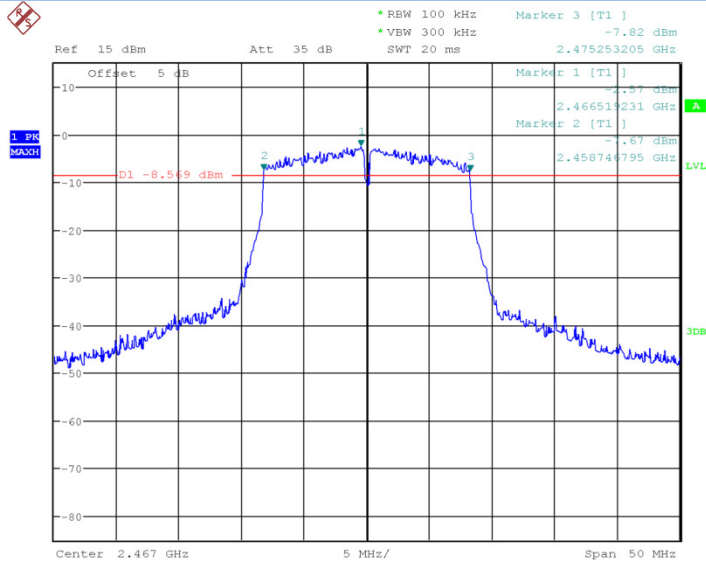
Date: 6.APR.2017 08:13:35

**Fig.22 Occupied 6dB Bandwidth (802.11g, Ch6)**



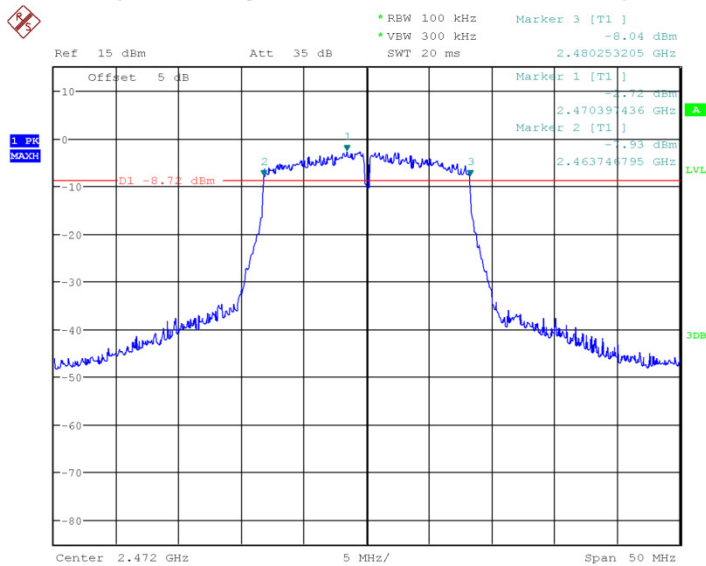
Date: 6.APR.2017 08:14:04

**Fig.23 Occupied 6dB Bandwidth (802.11g, Ch11)**



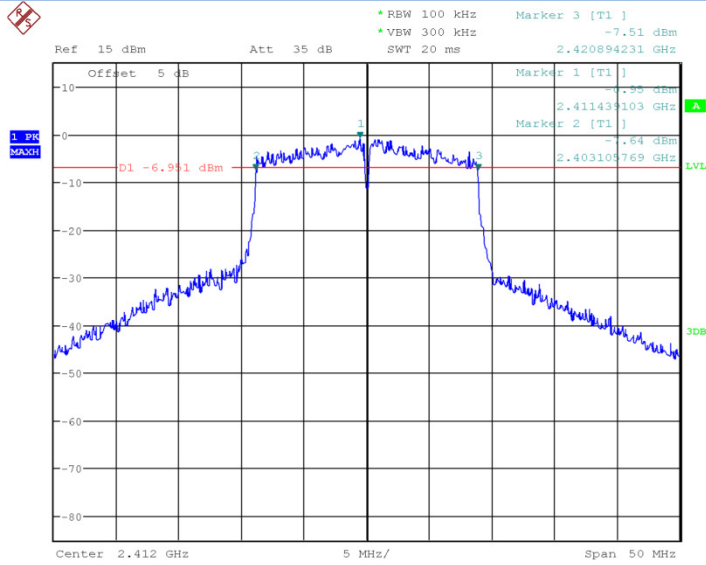
Date: 25.APR.2017 12:00:32

**Fig.24 Occupied 6dB Bandwidth (802.11g, Ch12)**



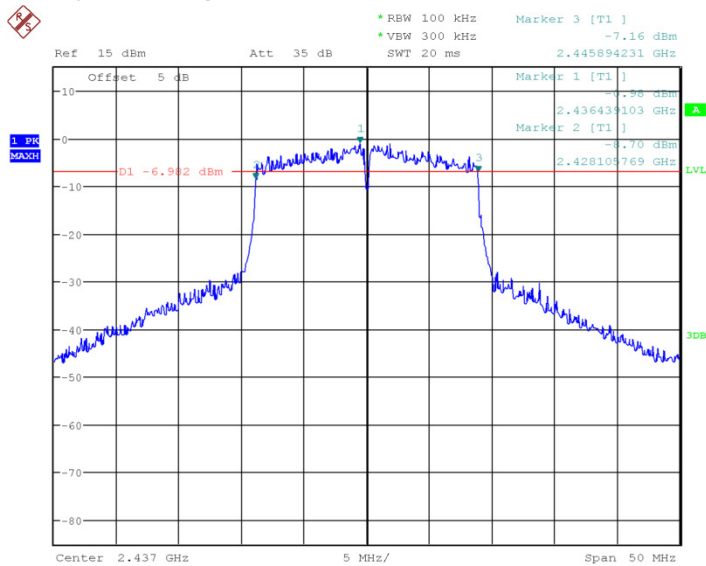
Date: 25.APR.2017 12:03:01

**Fig.25 Occupied 6dB Bandwidth (802.11g, Ch13)**



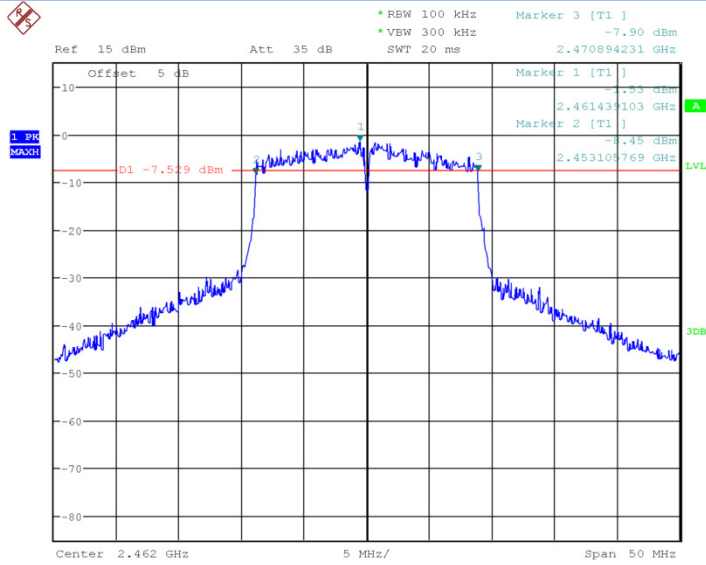
Date: 6.APR.2017 08:15:16

**Fig.26 Occupied 6dB Bandwidth (802.11n-20MHz, Ch1)**



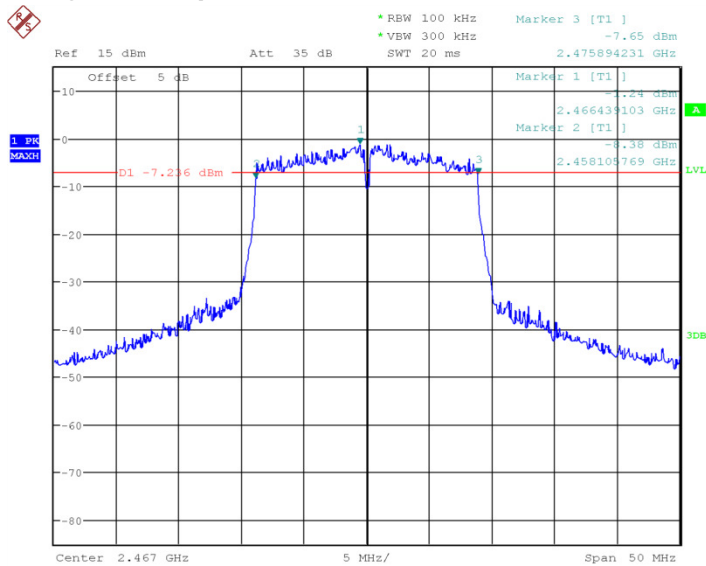
Date: 6.APR.2017 08:16:02

**Fig.27 Occupied 6dB Bandwidth (802.11n-20MHz, Ch6)**



Date: 6.APR.2017 08:16:36

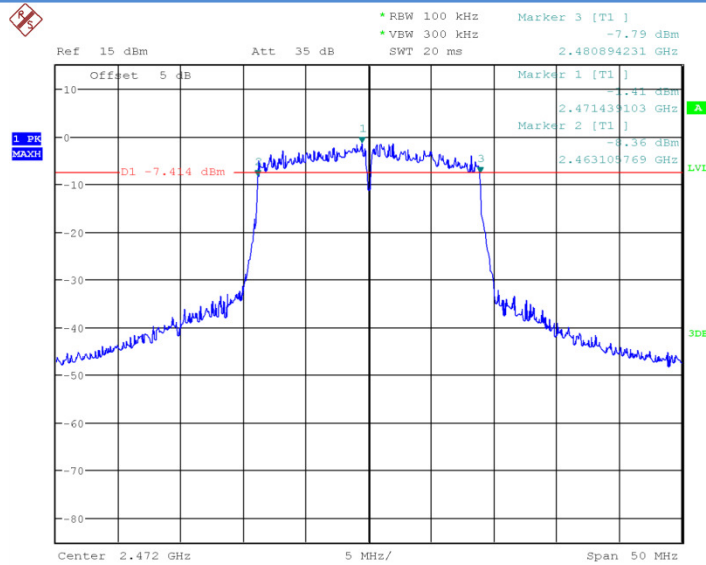
**Fig.28 Occupied 6dB Bandwidth (802.11n-20MHz, Ch11)**



Date: 25.APR.2017 12:06:43

**Fig.29 Occupied 6dB Bandwidth (802.11g, Ch12)**





Date: 25.APR.2017 12:13:12

**Fig.30 Occupied 6dB Bandwidth (802.11g, Ch13)**

## 6.4. Band Edges Compliance

### 6.4.1 Measurement Limit:

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

### 6.4.2 Test procedures

The measurement is according to ANSI C63.10 clause 11.13.

1. The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Enable EUT transmitter maximum power continuously.
3. Set instrument center frequency to the frequency of the emission to be measured (must be within 2MHz of the authorized band edge).
4. Set span to 2 MHz.
5. RBW = 100 kHz.
6.  $VBW \geq [3 \times RBW]$ .
7. Detector = peak.
8. Sweep time = auto.
9. Trace mode = max hold.
10. Allow sweep to continue until the trace stabilizes

### 6.4.3 Measurement Uncertainty:

Measurement Uncertainty	0.75dB
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### 6.4.4 Measurement results

#### 802.11b/g mode

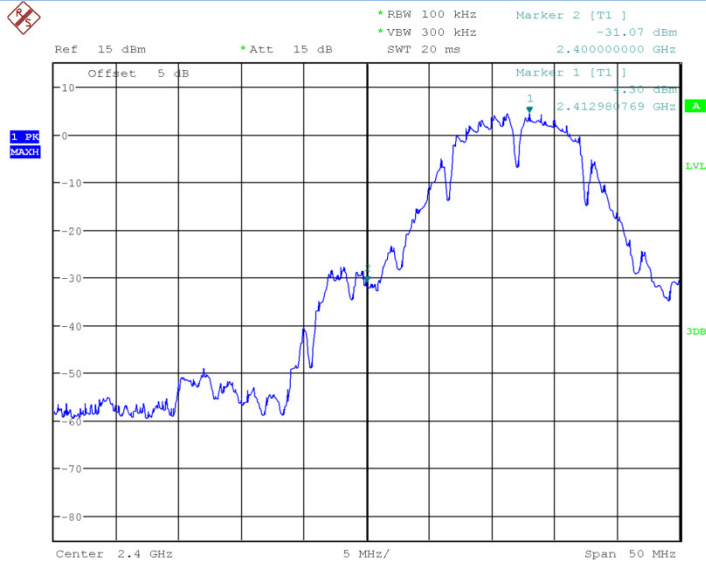
Mode	Channel	Test Results	Conclusion
802.11b	1	Fig.31	P
	11	Fig.32	P
	12	Fig.33	P
	13	Fig.34	P
802.11g	1	Fig.35	P
	11	Fig.36	P
	12	Fig.37	P
	13	Fig.38	P

#### 802.11n mode

Mode	Channel	Test Results	Conclusion
802.11n(20MHz)	1	Fig.39	P
	11	Fig.40	P
	12	Fig.41	P
	13	Fig.42	P
802.11(40MHz)	3	/	/
	11	/	/
	12		
	13		

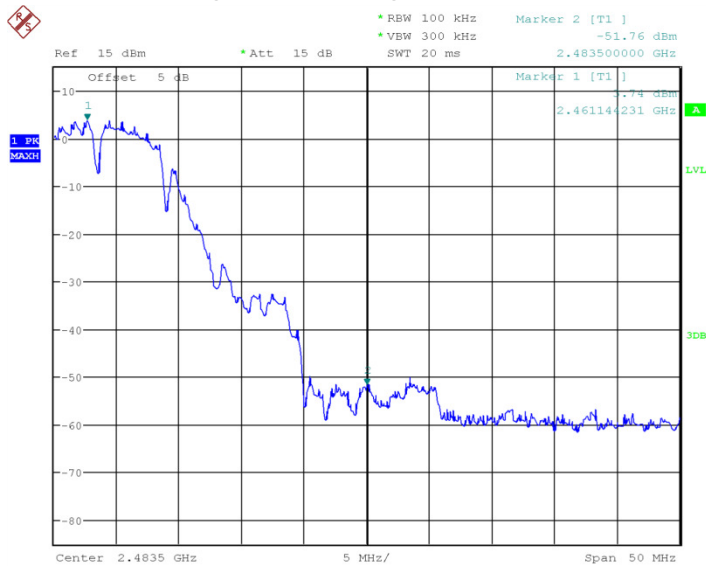
**Conclusion: PASS**

**Test graphs as blew:**



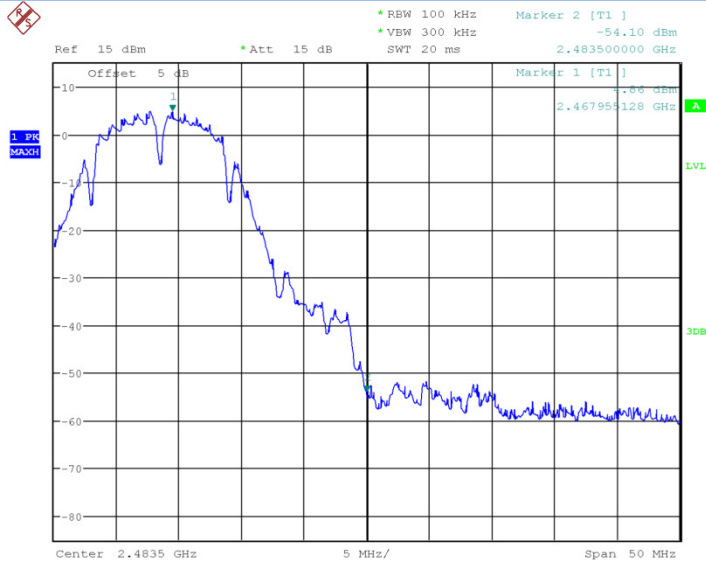
Date: 6.APR.2017 08:19:42

**Fig.31 Band Edges (802.11b, Ch1)**



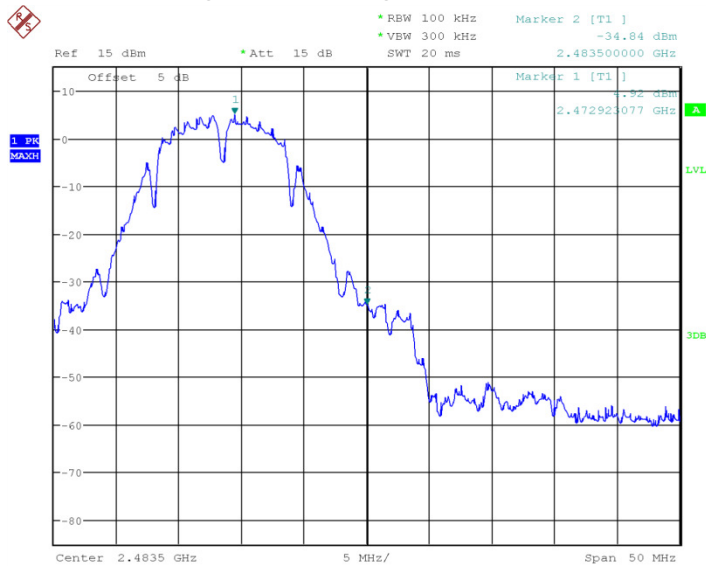
Date: 6.APR.2017 08:20:04

**Fig.32 Band Edges (802.11b, Ch11)**



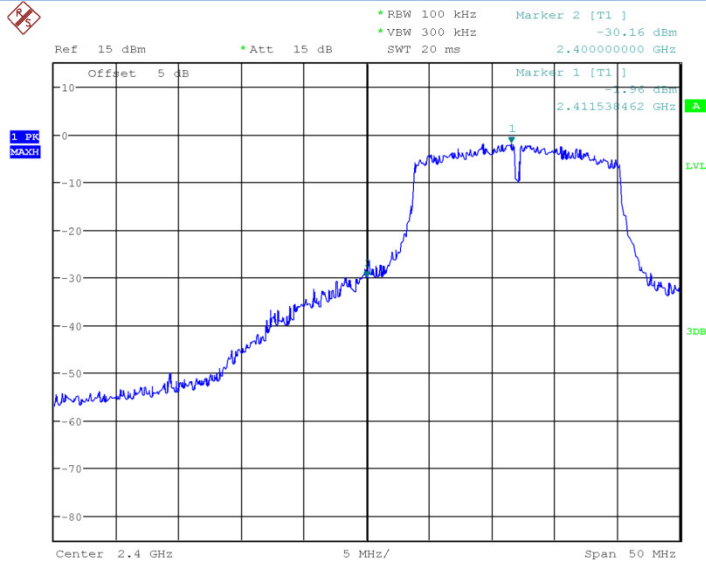
Date: 25.APR.2017 12:41:08

**Fig.33 Band Edges (802.11b, Ch12)**



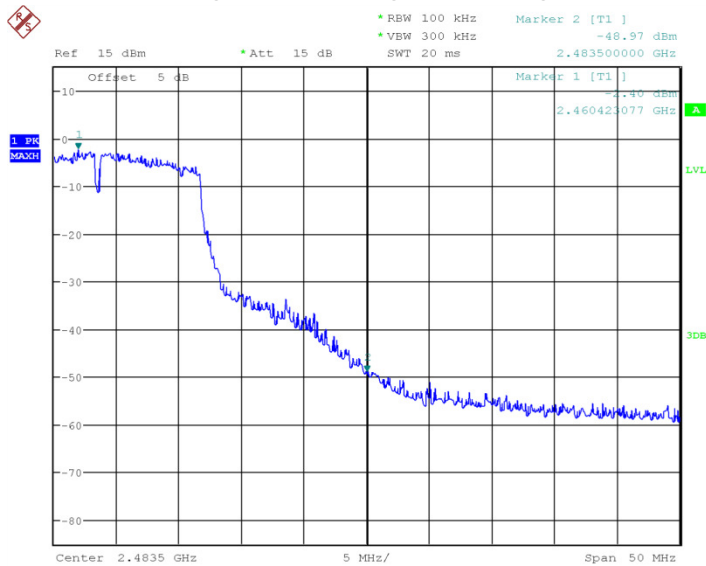
Date: 25.APR.2017 12:42:40

**Fig.34 Band Edges (802.11b, Ch13)**



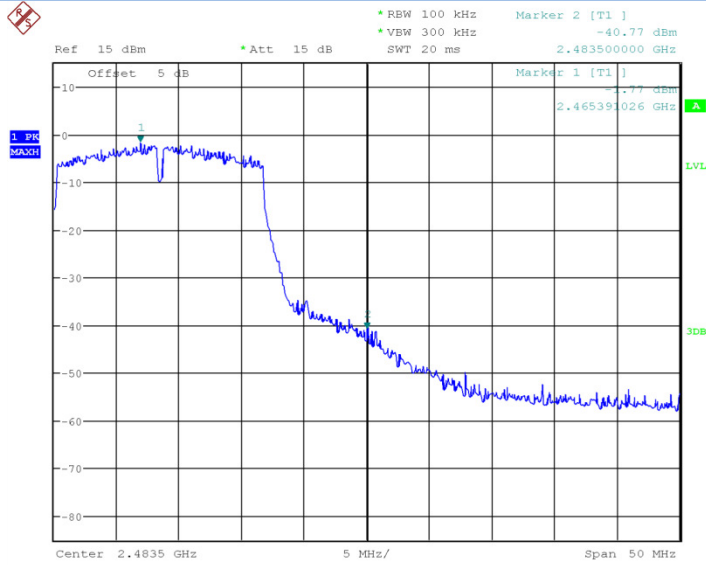
Date: 6.APR.2017 08:20:37

**Fig.35 Band Edges (802.11g, Ch1)**



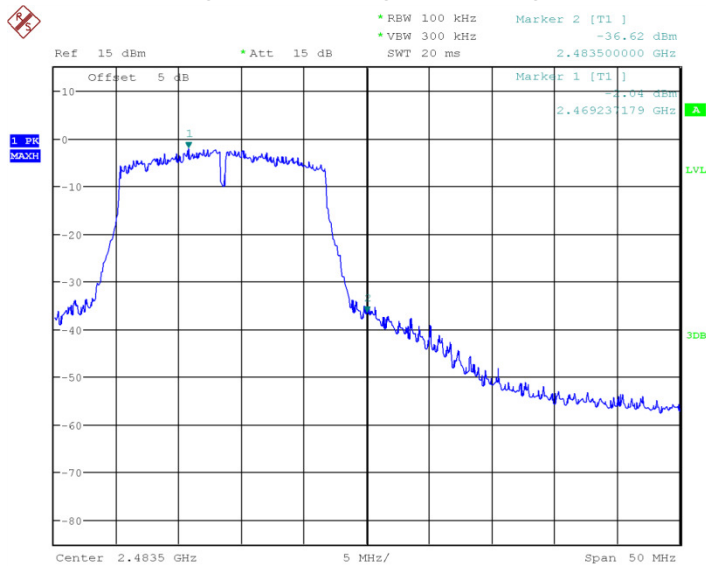
Date: 6.APR.2017 08:21:39

**Fig.36 Band Edges (802.11g, Ch11)**



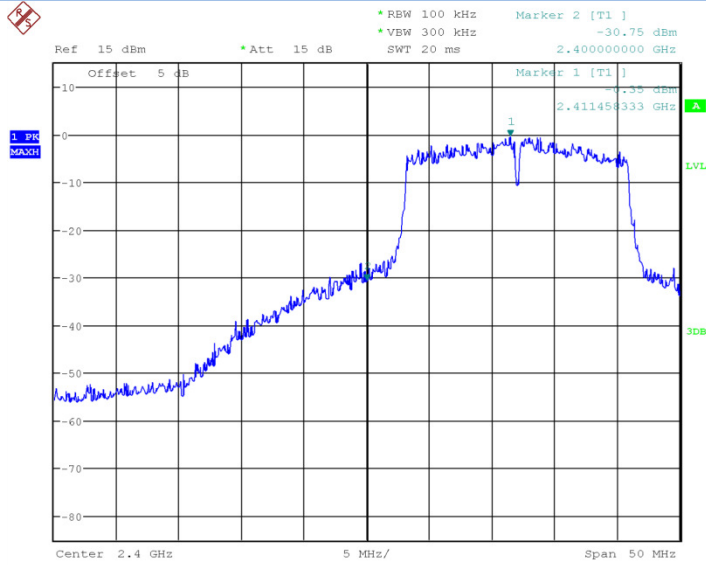
Date: 25.APR.2017 12:44:09

**Fig.37 Band Edges (802.11g, Ch12)**



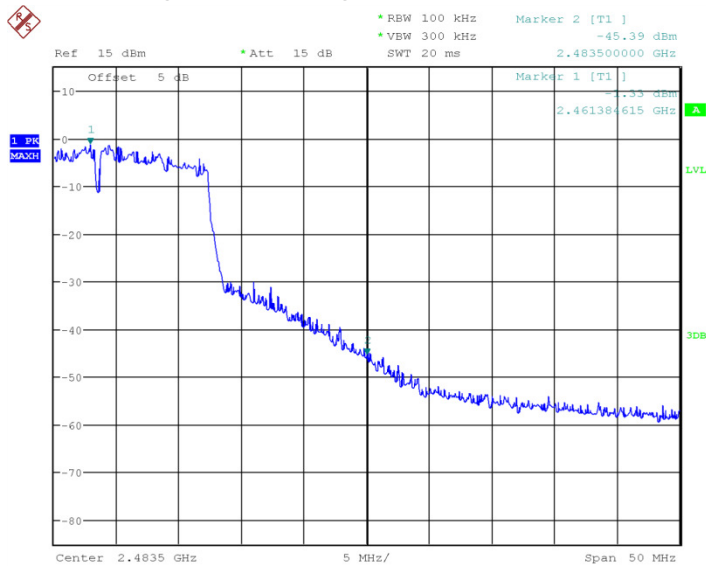
Date: 25.APR.2017 12:44:56

**Fig.38 Band Edges (802.11g, Ch13)**



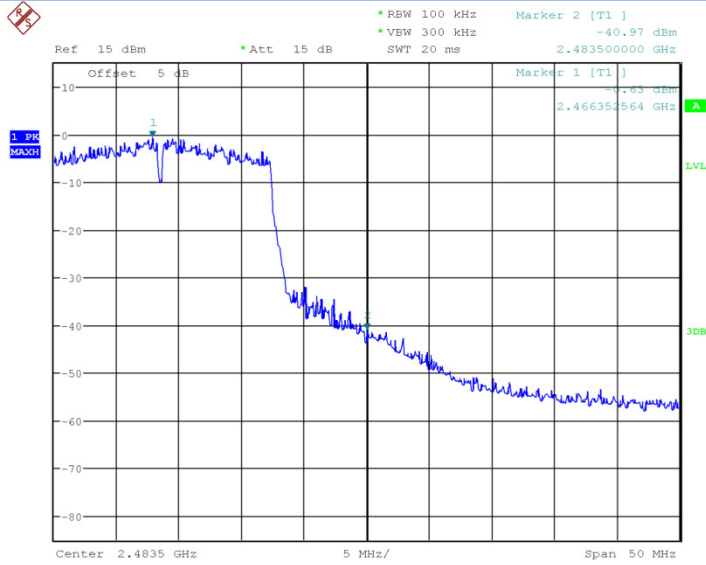
Date: 6.APR.2017 08:22:09

**Fig.39 Band Edges (802.11n-20MHz, Ch1)**



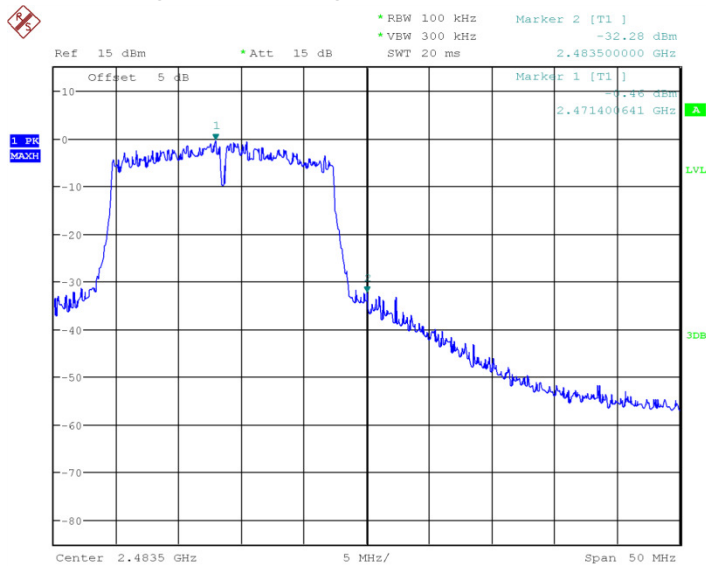
Date: 6.APR.2017 08:22:40

**Fig.40 Band Edges (802.11n-20MHz, Ch11)**



Date: 25.APR.2017 12:57:12

**Fig.41 Band Edges (802.11n-20MHz, Ch12)**



Date: 25.APR.2017 13:00:35

**Fig.42 Band Edges (802.11n-20MHz, Ch13)**

## 6.5. Transmitter Spurious Emission-conducted

### 6.5.1 Measurement Limit:

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



## 6.5.2 Test procedures

This measurement is according to ANSI C63.10 clause 11.11.

1. The output power of EUT was connected to the spectrum analyzer. The path loss was compensated to the results for each measurement.
2. Enable EUT transmitter maximum power continuously.

Reference level measurement

3. Set instrument center frequency to DTS channel center frequency.
4. Set the span to  $\geq 1.5$  times the DTS bandwidth.
5. Set the RBW = 100 kHz.
6. Set the VBW  $\geq [3 \times \text{RBW}]$ .
7. Detector = peak.
8. Sweep time = auto couple.
9. Trace mode = max hold.
10. Allow trace to fully stabilize.
11. Use the peak marker function to determine the maximum PSD level.

Emission level measurement

12. Set the center frequency and span to encompass frequency range to be measured.
13. Set the RBW = 100 kHz.
14. Set the VBW  $\geq [3 \times \text{RBW}]$ .
15. Detector = peak.
16. Sweep time = auto couple.
17. Trace mode = max hold.
18. Allow trace to fully stabilize.
19. Use the peak marker function to determine the maximum amplitude level.

## 6.5.3 Measurement Uncertainty:

Frequency Range	Uncertainty
$30\text{MHz} \leq f \leq 2\text{GHz}$	0.63
$2\text{GHz} \leq f \leq 3.6\text{GHz}$	0.82
$3.6\text{GHz} \leq f \leq 8\text{GHz}$	1.55
$8\text{GHz} \leq f \leq 20\text{GHz}$	1.86
$20\text{GHz} \leq f \leq 22\text{GHz}$	1.90
$22\text{GHz} \leq f \leq 26\text{GHz}$	2.20

## 6.5.4 Measurement Result:

### 802.11b/g mode

Mode	Channel	Frequency Range	Test Results	Conclusion

802.11b	1	2.412GHz	Fig.43	P	
		30MHz~26GHz	Fig.44	P	
	6	2.437GHz	Fig.45	P	
		30MHz~26GHz	Fig.46	P	
	11	2.462GHz	Fig.47	P	
		30MHz~26GHz	Fig.48	P	
	12	2.462GHz	Fig.49	P	
		30MHz~26GHz	Fig.50	P	
	13	2.462GHz	Fig.51	P	
		30MHz~26GHz	Fig.52	P	
	802.11g	1	2.412GHz	Fig.53	P
			30MHz~26GHz	Fig.54	P
6		2.437GHz	Fig.55	P	
		30MHz~26GHz	Fig.56	P	
11		2.462GHz	Fig.57	P	
		30MHz~26GHz	Fig.58	P	
12		2.462GHz	Fig.59	P	
		30MHz~26GHz	Fig.60	P	
13		2.462GHz	Fig.61	P	
		30MHz~26GHz	Fig.62	P	

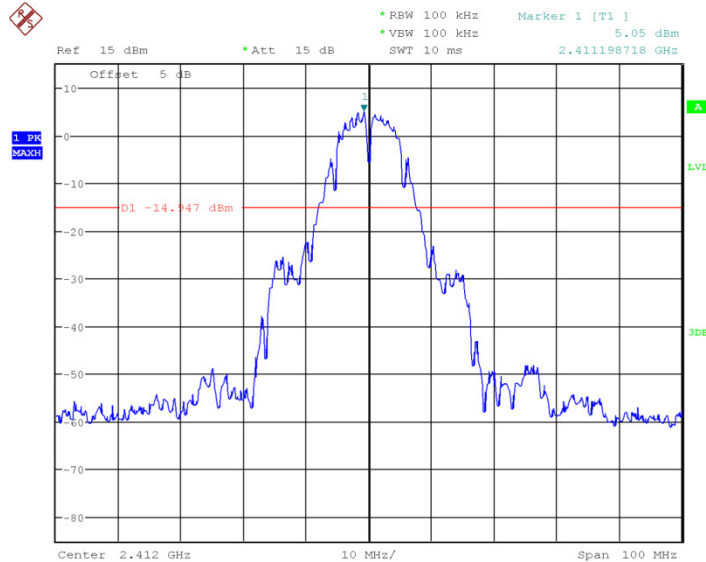
**802.11n mode**

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n(20MHz)	1	2.412GHz	Fig.63	P
		30MHz~26GHz	Fig.64	P
	6	2.437GHz	Fig.65	P
		30MHz~26GHz	Fig.66	P

	11	2.462GHz	Fig.67	P
		30MHz~26GHz	Fig.68	P
	12	2.462GHz	Fig.69	P
		30MHz~26GHz	Fig.70	P
	13	2.462GHz	Fig.71	P
		30MHz~26GHz	Fig.72	P
802.11n(40MHz)	3	2.422GHz	/	/
		30MHz~26GHz	/	/
	6	2.437GHz	/	/
		30MHz~26GHz	/	/
	11	2.462GHz	/	/
		30MHz~26GHz	/	/

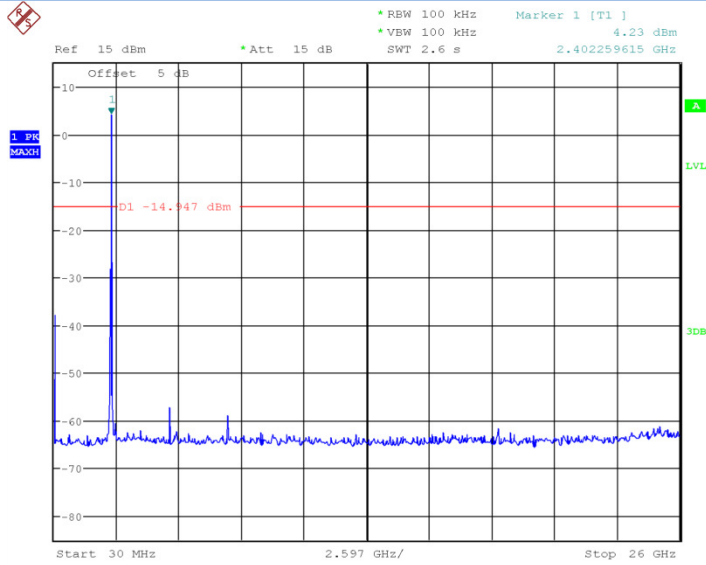
**Conclusion: PASS**

**Test graphs as below:**



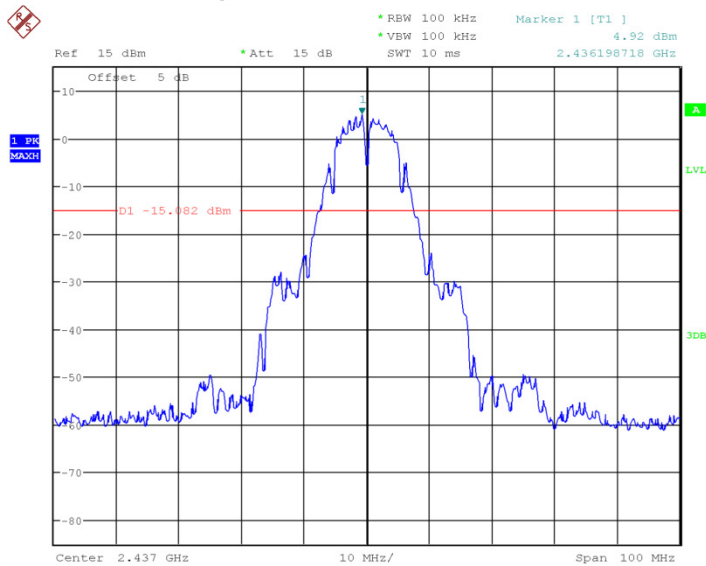
Date: 6.APR.2017 08:24:52

**Fig.43 Conducted Spurious Emission (802.11b, Ch1)**



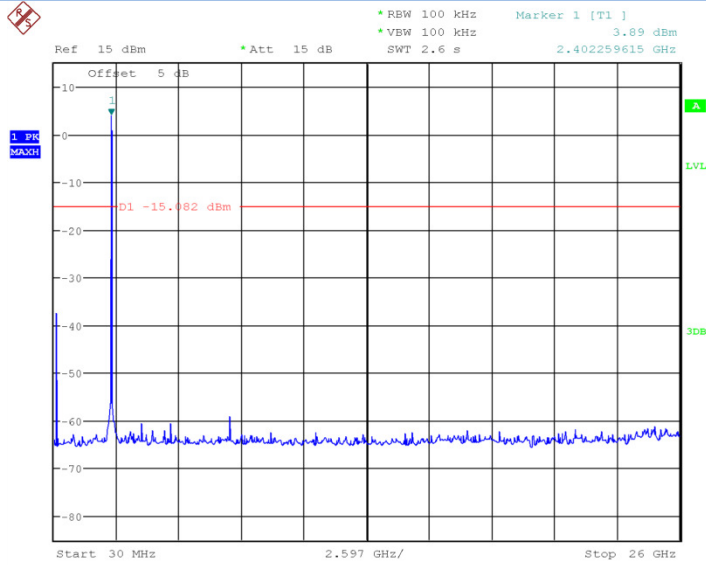
Date: 6.APR.2017 08:25:15

**Fig.44 Conducted Spurious Emission (802.11b, Ch1, 30MHz~26GHz)**



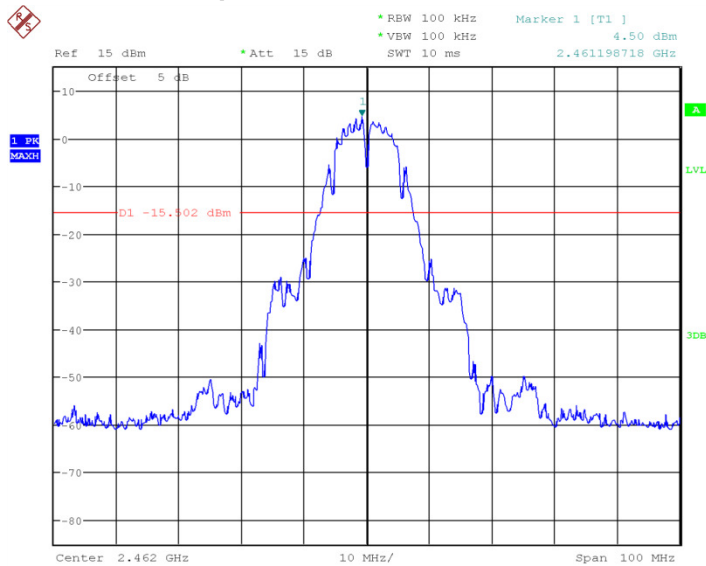
Date: 6.APR.2017 08:25:57

**Fig.45 Conducted Spurious Emission (802.11b, Ch6)**



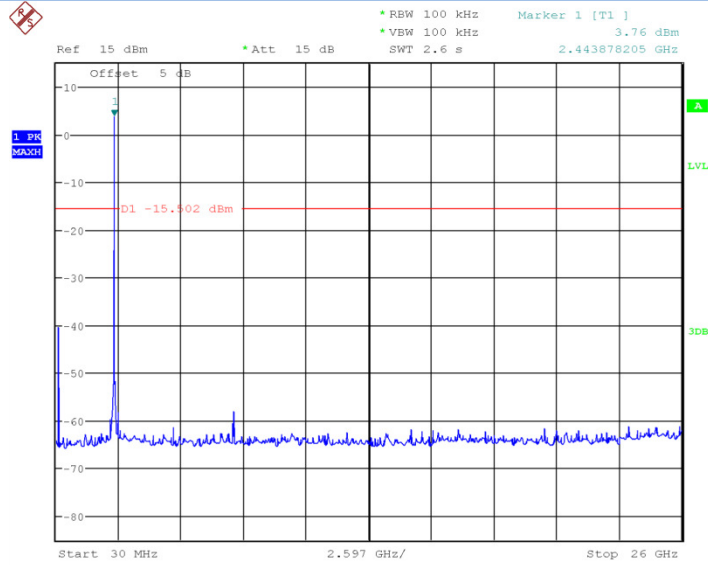
Date: 6.APR.2017 08:26:20

**Fig.46 Conducted Spurious Emission (802.11b, Ch6, 30MHz~26GHz)**



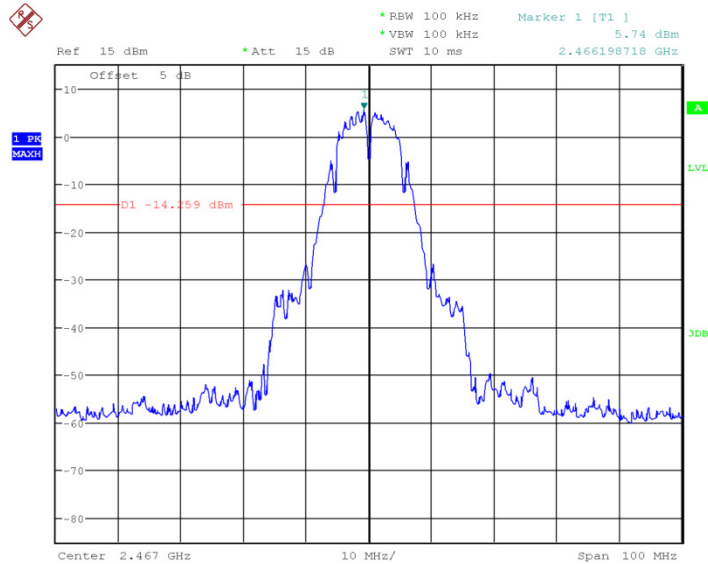
Date: 6.APR.2017 08:28:02

**Fig.47 Conducted Spurious Emission (802.11b, Ch11)**



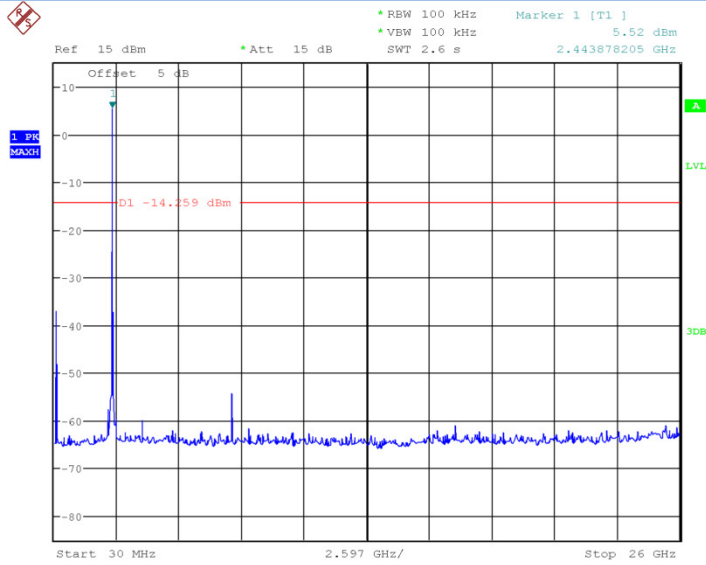
Date: 6.APR.2017 08:28:26

**Fig.48 Conducted Spurious Emission (802.11b, Ch11, 30MHz~26GHz)**



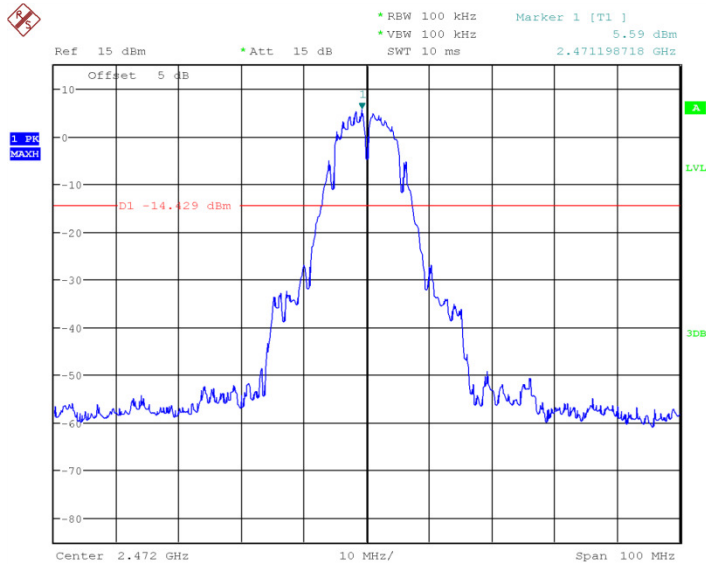
Date: 25.APR.2017 13:05:35

**Fig.49 Conducted Spurious Emission (802.11b, Ch12)**



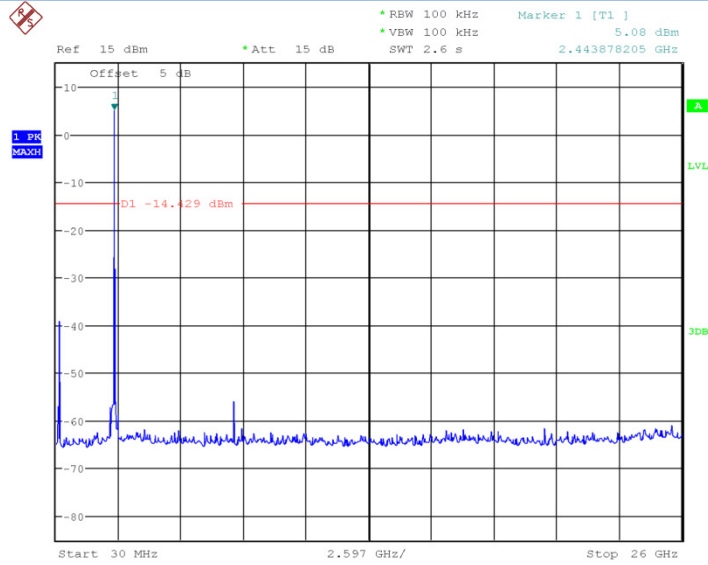
Date: 25.APR.2017 13:05:58

**Fig.50 Conducted Spurious Emission (802.11b, Ch12, 30MHz~26GHz)**



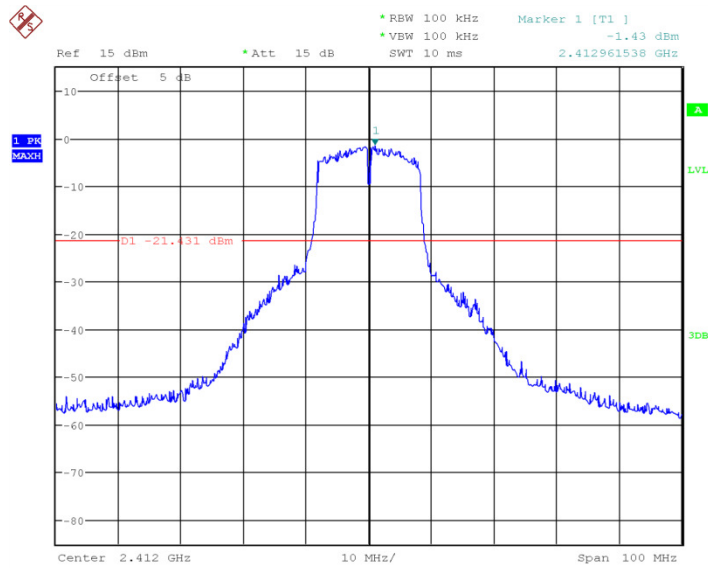
Date: 25.APR.2017 13:06:42

**Fig.51 Conducted Spurious Emission (802.11b, Ch13)**



Date: 25.APR.2017 13:07:05

**Fig.52 Conducted Spurious Emission (802.11b, Ch13, 30MHz~26GHz)**



Date: 6.APR.2017 08:29:03

**Fig.53 Conducted Spurious Emission (802.11g, Ch1)**