Full

TEST REPORT

No. 2014WL0007

For

Client :	**ZTE Corporation**
Production :	**WCDMA/GSM（GPRS） Dual-Mode Digital Mobile Phone**
Model Name :	**ZTE Kis Q**
FCC ID:	**SRQ-ZTEKISQ**
Hardware Version:	**TMAK**
Software Version	**IUS-MX-LTB25S-P172D02V1.0.0B01**
Issued date:	**2014-02-11**

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.

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ECIT Shanghai, East China Institute of Telecommunications
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1. General Information

1.1 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.

1.2 Statements

The product ZTE Kis Q, supporting WLAN, manufactured by ZTE Corporation is a variant product. According to the variant description shown in Annex B, the alterations do not affect the WLAN performance, so no test case to be retested. All test results please refer to ECIT-2013-0141-RF-WLAN which is the test report for the initial product of ZTE V795.The below result are coming from the initial product of ZTE V795.

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.

1.3 Testing Laboratory information

1.3.1. Testing Location

Company Name:	ECIT Shanghai, East China Institute of Telecommunications
Address:	7F, G Area,No. 668, Beijing East Road, Huangpu District, Shanghai, P. R. China
Postal Code:	200001
Telephone:	00862163843300
Fax:	00862163843301
FCC Registration NO.:	489729

1.3.2. Testing Environment

Normal Temperature:	15-35℃
Extreme Temperature:	N/A
Relative Humidity:	20-75%

1.3.3. Project data

Project Leader:	Wang yaqiong
Testing Start Date:	2013-08-09
Testing End Date:	2013-09-11

1.3.4. Signature

Wang Daming
(Prepared this test report)

Yu Naiping
(Reviewed this test report)

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

1.4 Details of applicant or manufacturer

1.4.1. Applicant Information

Company Name:	ZTE Corporation
Address /Post:	ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District,Shenzhen, Guangdong, 518057, P.R.China
Country:	China

1.4.2. Manufacturer Information

Company Name:	ZTE Corporation
Address /Post:	ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District,Shenzhen, Guangdong, 518057, P.R.China
Country:	China

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

2.1. About EUT

EUT Description	WCDMA/GSM （GPRS） Dual-Mode Digital Mobile Phone
Model name	SRQ-ZTEKISQ
WLAN Frequency	2412MHz-2462MHz
WLAN Channel	Channel1-Channel11
WLAN type of modulation	802.11b:DSSS 802.11g/n: OFDM
Nominal Voltage	3.7 V
Extreme High Voltage	4.2 V
Extreme Low Voltage	3.5V

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

2.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
N01	863921025000699	TMAK	IUS-MX-LTB25S-P17 2D02V1.0.0B01	2014-01-10

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

2.3. Internal Identification of AE used during the test

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

3. Reference Documents

3.1. Reference Documents for testing

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

Reference	Title
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.
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9KHz to 40GHz
KDB558074	Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247.

4. 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

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℃
Voltage	Vnom	3.7V
Humidity	Hnom	32%
Air Pressure	Anom	1010hPa

5. Test result

5.1. Maximum Output Power

Measurement Limit and method:

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

The measurement is according to ANSI C63.4 and KDB558074, and power output option 1 (RBW=20MHz) in KDB558074 is used for the test. EUT is operated in continuous transmitting mode.

Measurement Uncertainty:

Measurement Uncertainty	0.75dB

5.1.1. 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	16.75	/	/
	2	16.66	/	/
	5.5	16.73	/	/
	11	18.08	18.10	17.35
802.11g	6	15.73	/	/
	9	16.05	/	/
	12	15.38	/	/
	18	15.18	/	/
	24	16.06	16.89	16.20
	36	15.85	/	/
	48	15.87	/	/
	54	15.56	/	/

The data rate 11Mbps and 24Mbps are selected as worse condition, and the following cases are performed with this condition.

802.11n mode

Mode	Data Rate(Index)	Teat Result(dBm)		
		2412MHz(Ch1)	2437MHz(Ch6)	2462MHz(Ch11)
802.11n(20MHz)	MCS0	14.54	/	/
	MCS1	14.41	/	/
	MCS2	14.21	/	/
	MCS3	15.77	/	/
	MCS4	15.97	/	/
	MCS5	16.47	17.07	16.05
	MCS6	15.23	/	/
	MCS7	15.73	/	/
802.11n(40MHz)	MCS0	/	/	/
	MCS1	/	/	/
	MCS2	/	/	/
	MCS3	/	/	/
	MCS4	/	/	/
	MCS5	/	/	/
	MCS6	/	/	/
	MCS7	/	/	/

The data rate MCS5 is selected as worse condition, and the following case are performed with this condition.

5.1.2. Maximum Average Output Power-conducted

802.11b/g mode

Mode	Test Result(dBm)		
	2412MHz(Ch1)	2437MHz(Ch6)	2462MHz(Ch11)
802.11b	13.72	13.47	12.59
802.11g	9.54	9.26	9.11

802.11n mode

Mode	Test Result(dBm)		
	2412MHz(Ch1)	2437MHz(Ch6)	2462MHz(Ch11)
802.11n(20MHz)	8.67	8.33	8.50
802.11n(40MHz)	/	/	/

Conclusion: PASS

5.2. Peak Power Spectral Density

Measure Limit:

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

The measurement is according to ANSI C63.4 and KDB558074.

Measurement Uncertainty:

Measurement Uncertainty	0.75dB

Measreement Results:

802.11b/g mode

Mode	Channel	Power Spectral Density(dBm/3kHz)		Conclusion
802.11b	1	Fig.1	-10.17	P
	6	Fig.2	-10.35	P
	11	Fig.3	-11.29	P
802.11g	1	Fig.4	-16.07	P
	6	Fig.5	-16.55	P
	11	Fig.6	-17.54	P

802.11n mode

Mode	Channel	Power Spectral Density(dBm/3kHz)		Conclusion
802.11n(20MHz)	1	Fig.7	-20.37	P
	6	Fig.8	-18.69	P
	11	Fig.9	-21.52	P

802.11g(40MHz)	1	/	/	P
	6	/	/	P
	11	/	/	P

Conclusion: PASS

Test graphs as below:

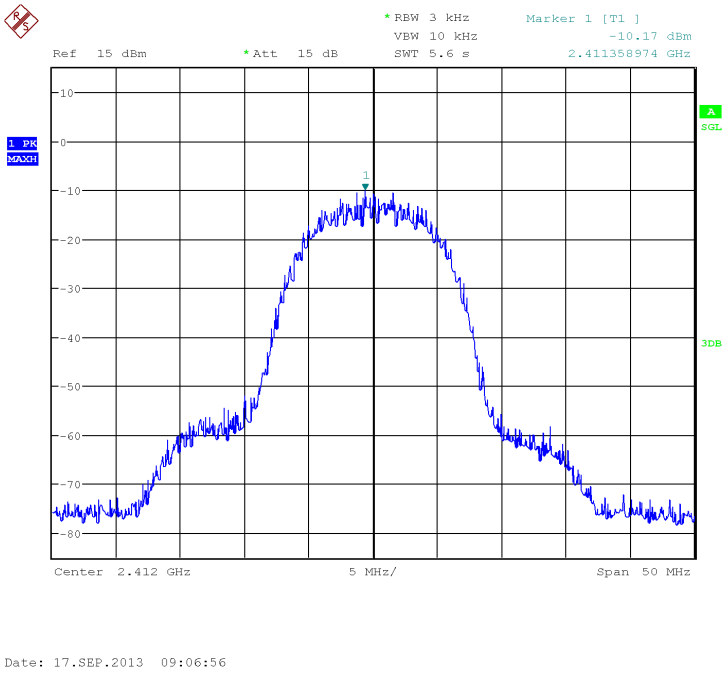


Fig.1 Power Spectral Density (802.1b,Ch1)

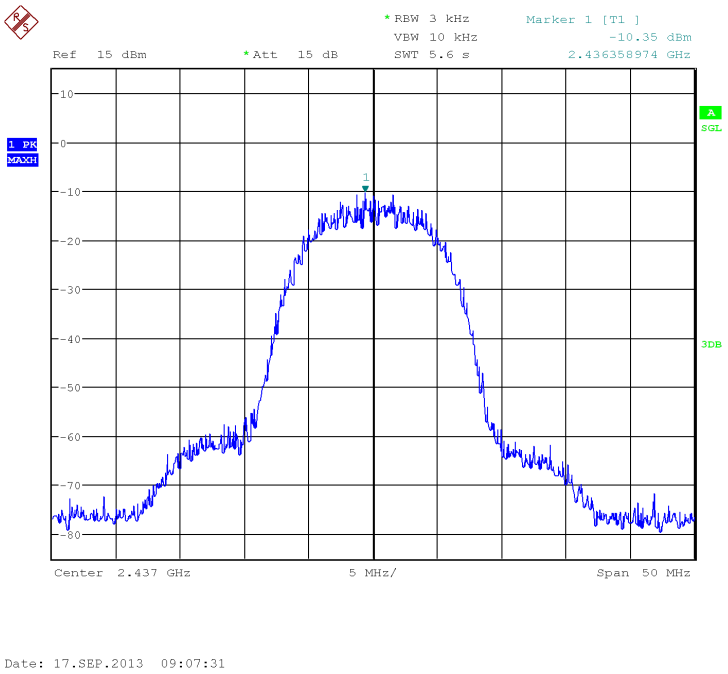


Fig.2 Power Spectral Density (802.1b,Ch6)

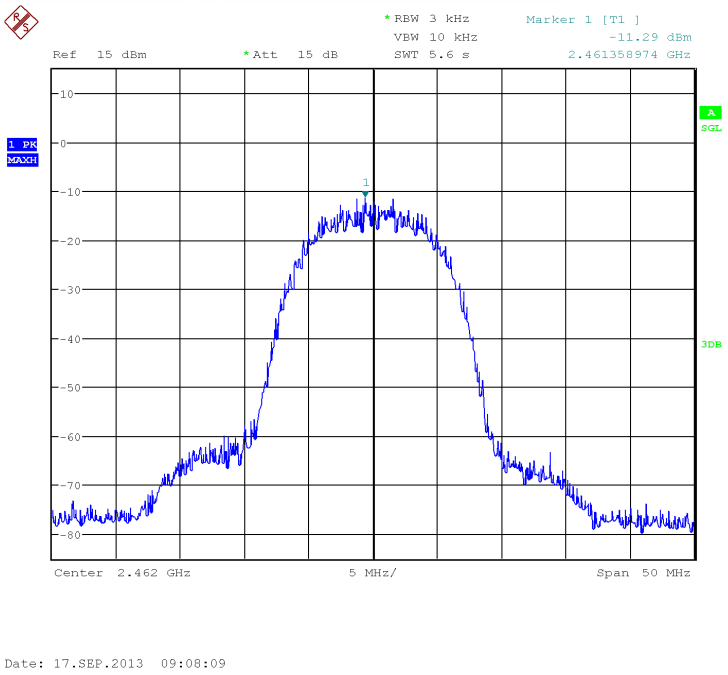


Fig.3 Power Spectral Density (802.1b,Ch11)

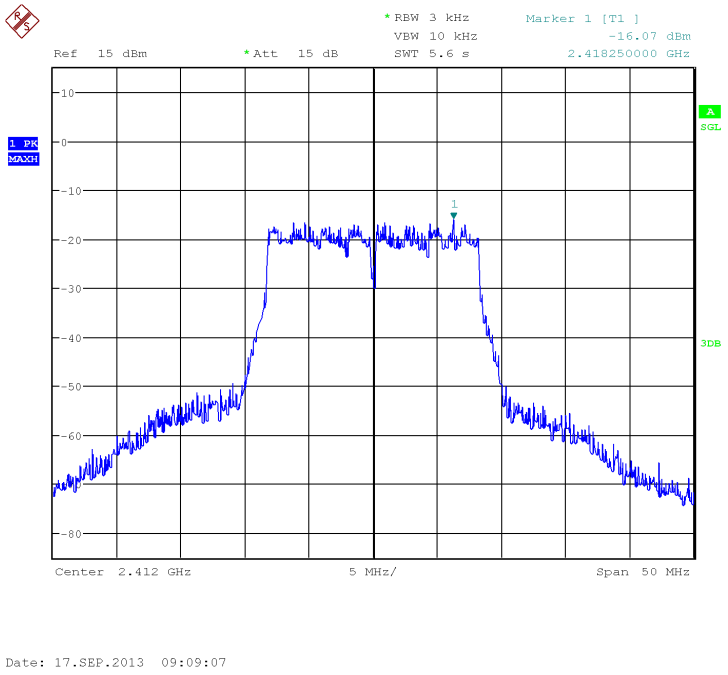


Fig.4 Power Spectral Density (802.1g,Ch1)

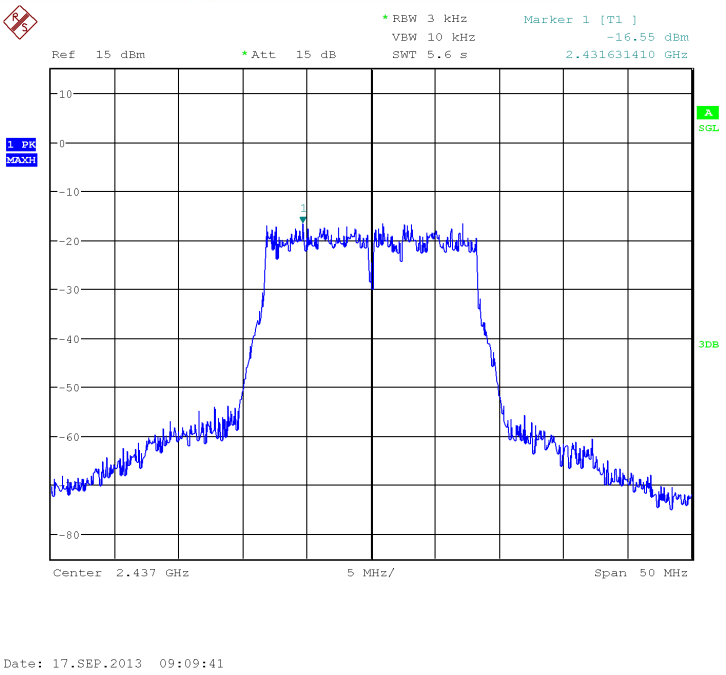


Fig.5 Power Spectral Density (802.1g,Ch6)

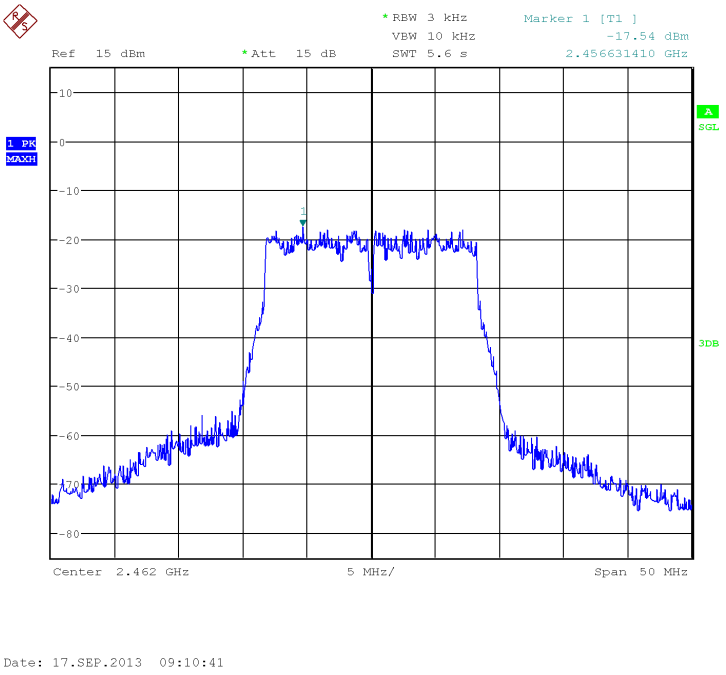


Fig.6 Power Spectral Density (802.1g,Ch11)

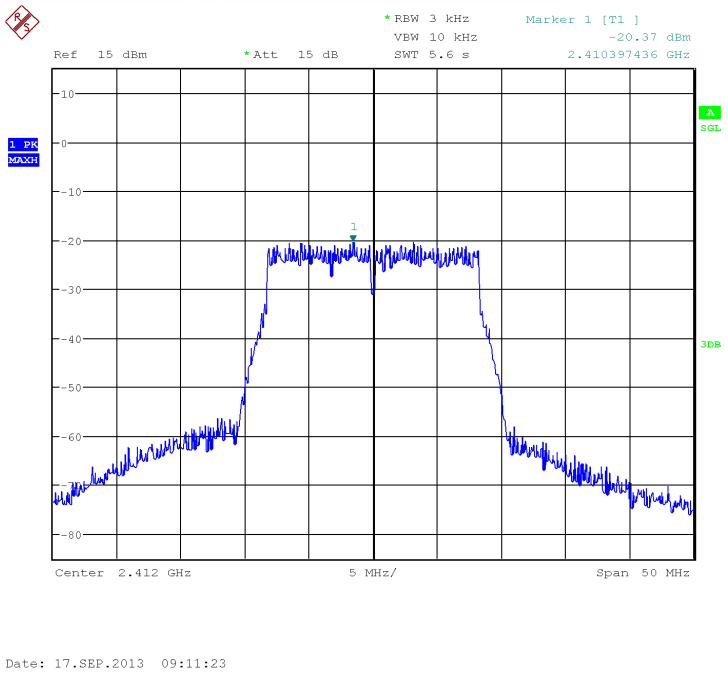


Fig.7 Power Spectral Density (802.1n-20MHz,Ch1)

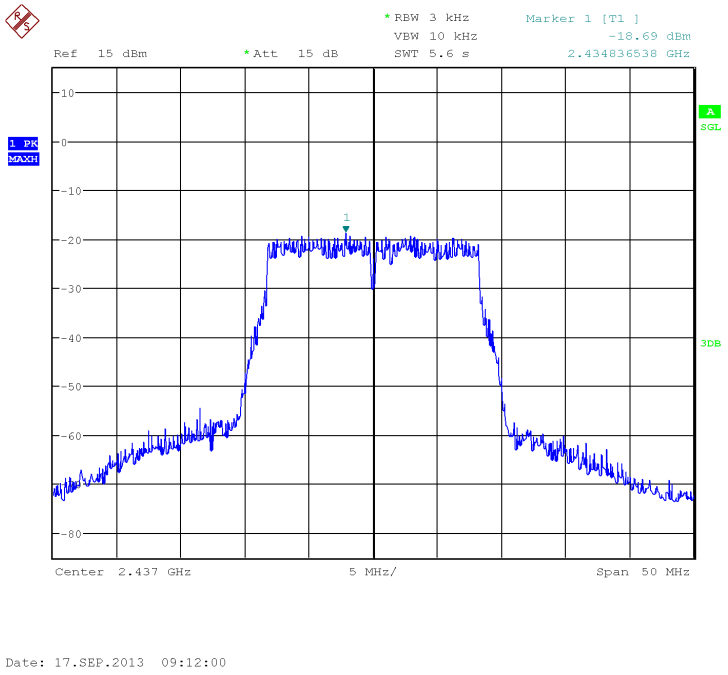


Fig.8 Power Spectral Density (802.1n-20MHz,Ch6)

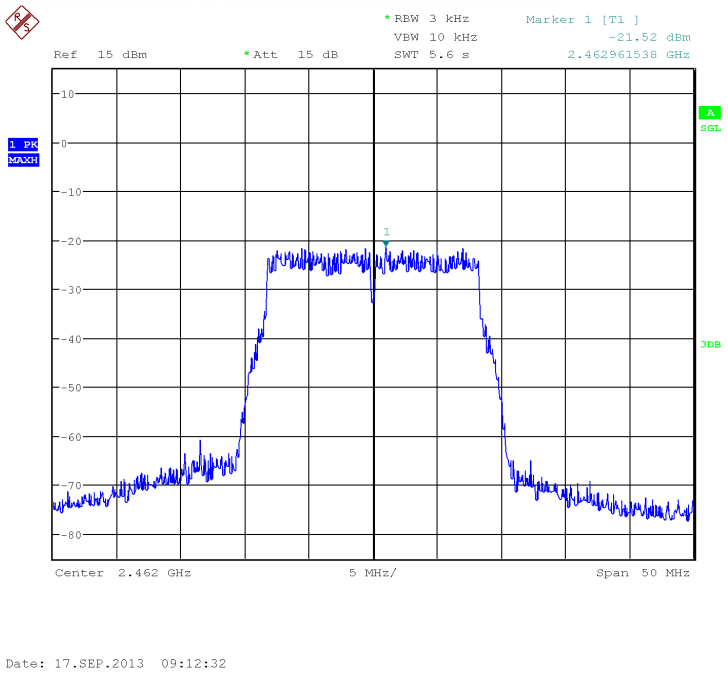


Fig.9 Power Spectral Density (802.1n-20MHz,Ch11)

5.3. Occupied 6dB Bandwidth

Measurement Limit:

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

The measurement is according to ANSI C63.4 and KDB558074.

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz

Measurement Result:

802.11b/g mode

Mode	Channel	Occupied 6dB Bandwidth(MHz)		Conclusion
802.11b	1	Fig.10	8.975	P
	6	Fig.11	8.975	P
	11	Fig.12	8.975	P
802.11g	1	Fig.13	16.506	P
	6	Fig.14	16.585	P
	11	Fig.15	16.585	P

802.11n mode

Mode	Channel	Occupied 6dB Bandwidth(KHz)		Conclusion
802.11n(20MHz)	1	Fig.16	16.507	P
	6	Fig.17	16.507	P
	11	Fig.18	16.346	P
802.11n(40MHz)	1	/		P
	6	/		P
	11	/		P

Conclusion: PASS

Test graphs as below:

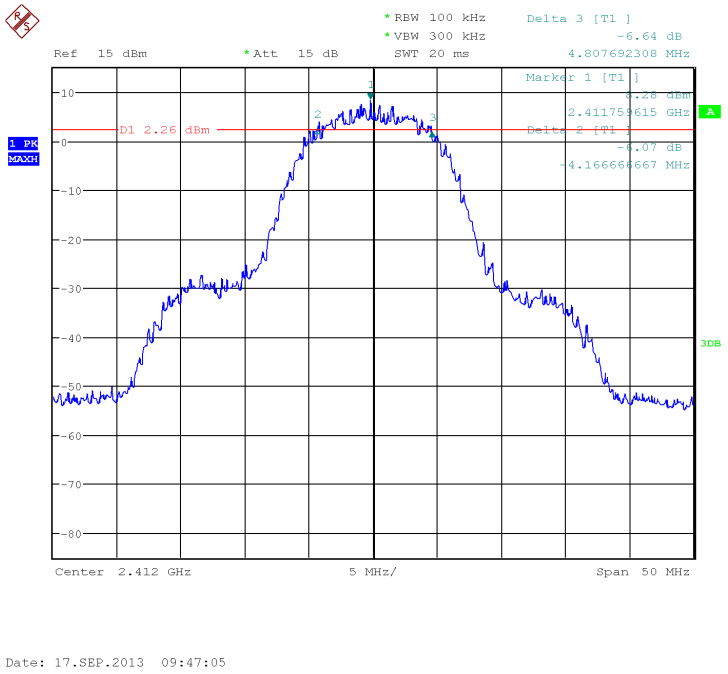


Fig.10 Occupied 6dB Bandwidth (802.11b, Ch1)

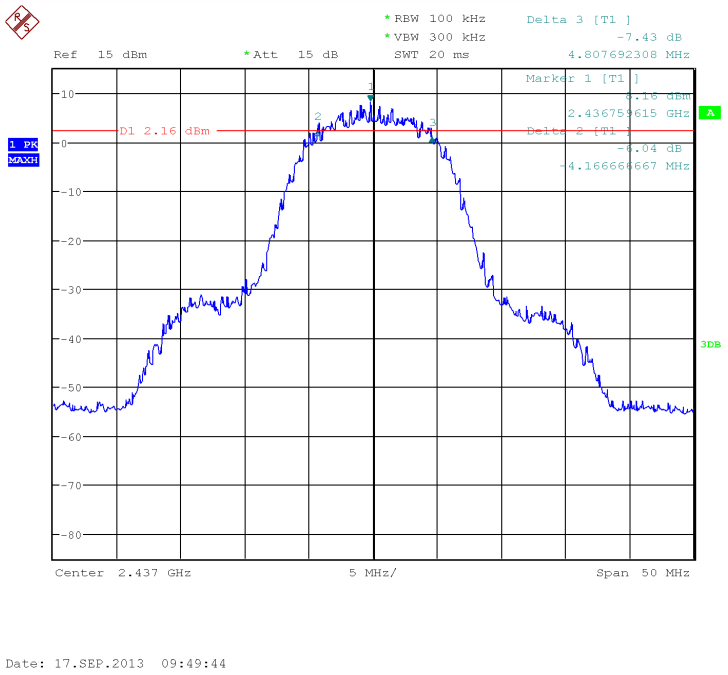


Fig.11 Occupied 6dB Bandwidth (802.11b, Ch6)

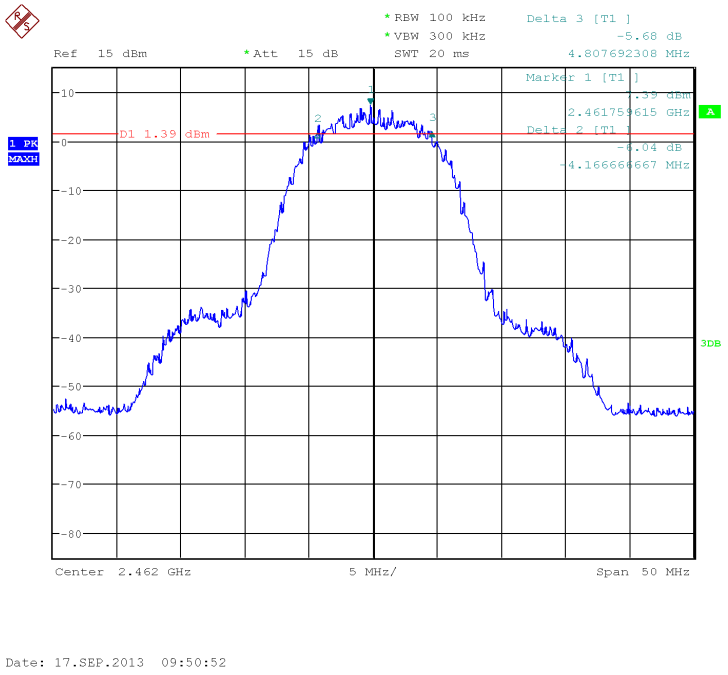


Fig.12 Occupied 6dB Bandwidth (802.11b, Ch11)

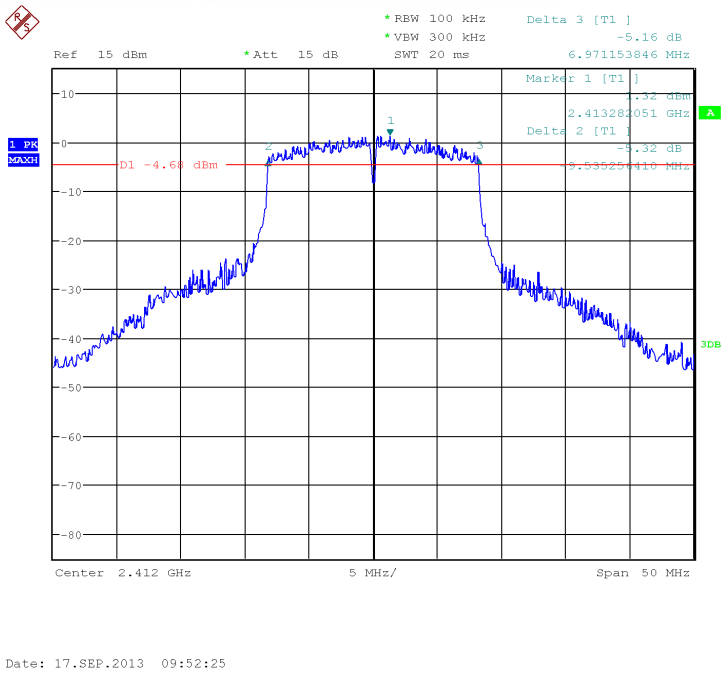


Fig.13 Occupied 6dB Bandwidth (802.11g, Ch1)

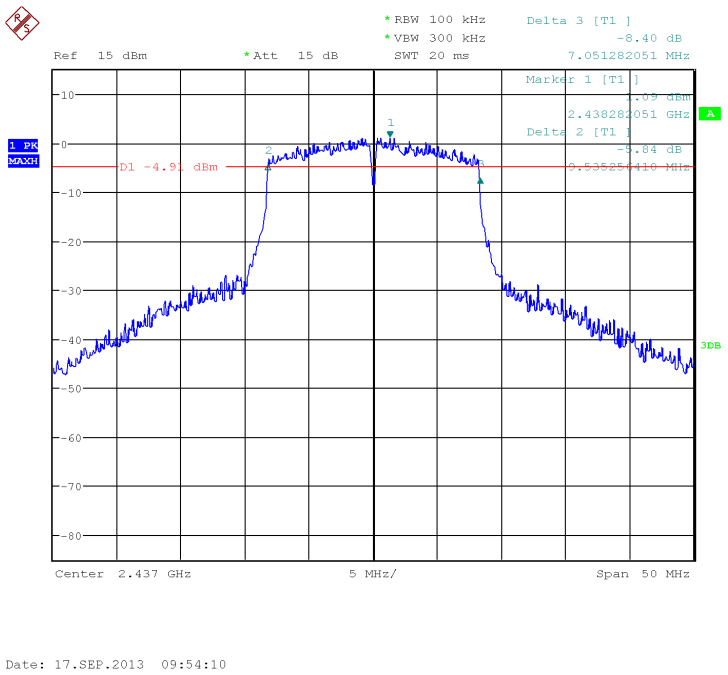


Fig.14 Occupied 6dB Bandwidth (802.11g, Ch6)

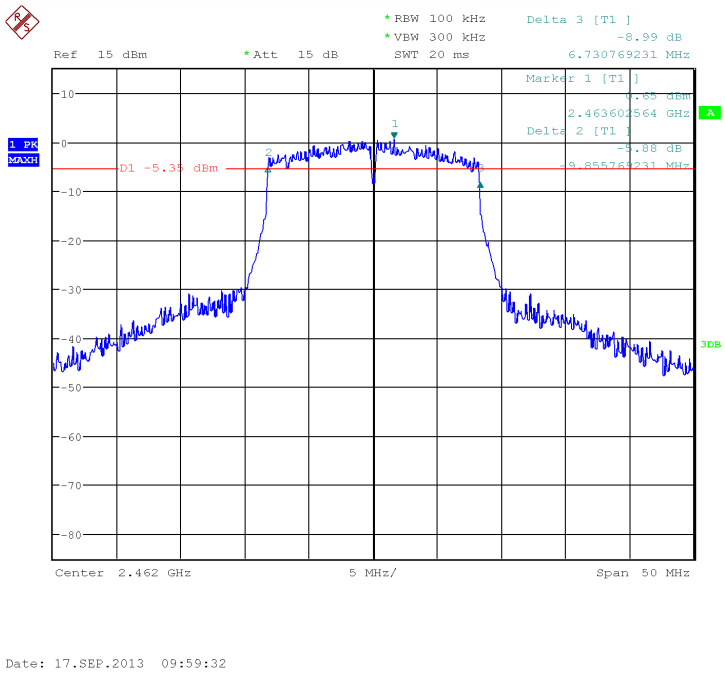


Fig.15 Occupied 6dB Bandwidth (802.11g, Ch11)

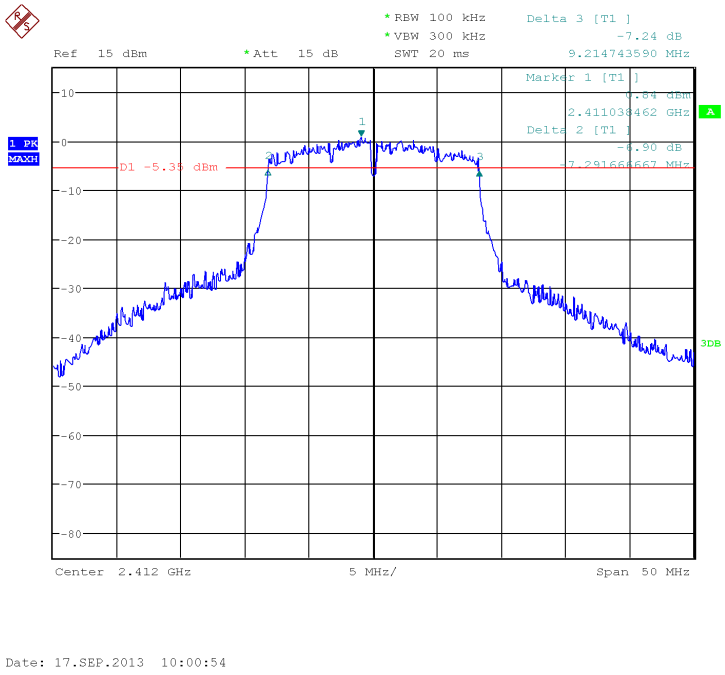


Fig.16 Occupied 6dB Bandwidth (802.11n-20MHz, Ch1)

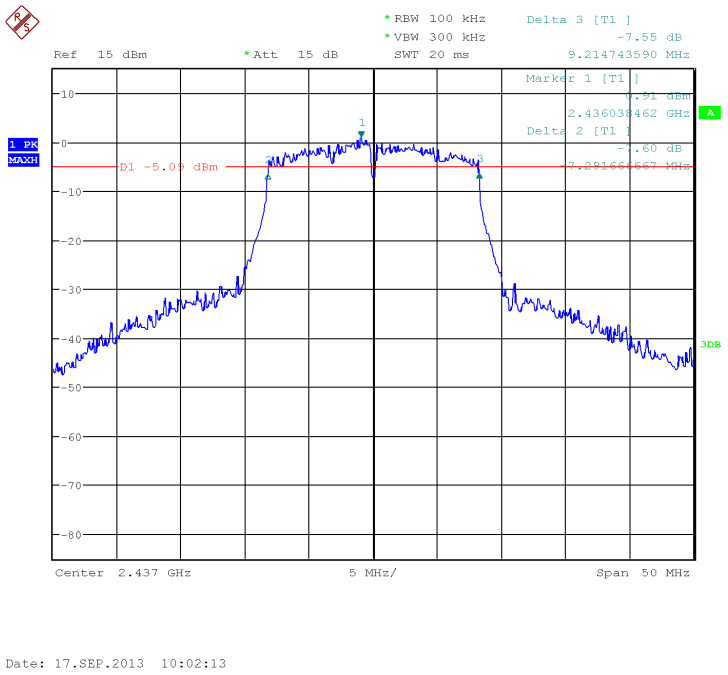


Fig.17 Occupied 6dB Bandwidth (802.11n-20MHz, Ch6)

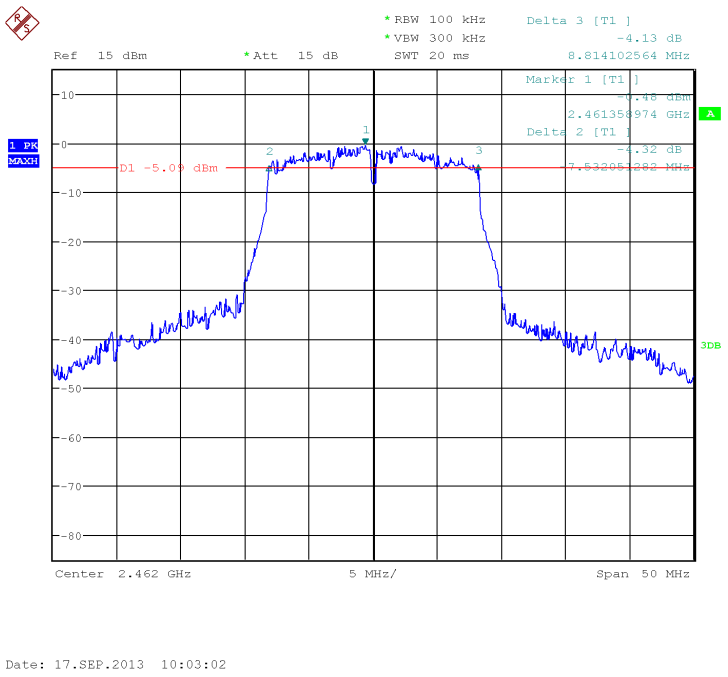


Fig.18 Occupied 6dB Bandwidth (802.11n-20MHz, Ch11)

5.4. Band Edges Compliance

Measurement Limit:

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

The measurement is according to ANSI C63.4 and KDB558074.

Measurement Uncertainty:

Measurement Uncertainty	0.75dB

802.11b/g mode

Mode	Channel	Test Results	Conclusion
802.11b	1	Fig.19	P
	11	Fig.20	P
802.11g	1	Fig.21	P
	11	Fig.22	P

802.11n mode

Mode	Channel	Test Results	Conclusion
802.11n(20MHz)	1	Fig.23	P
	11	Fig.24	P
802.11(40MHz)	/	/	/
	/	/	/

Conclusion: PASS

Test graphs as blew:

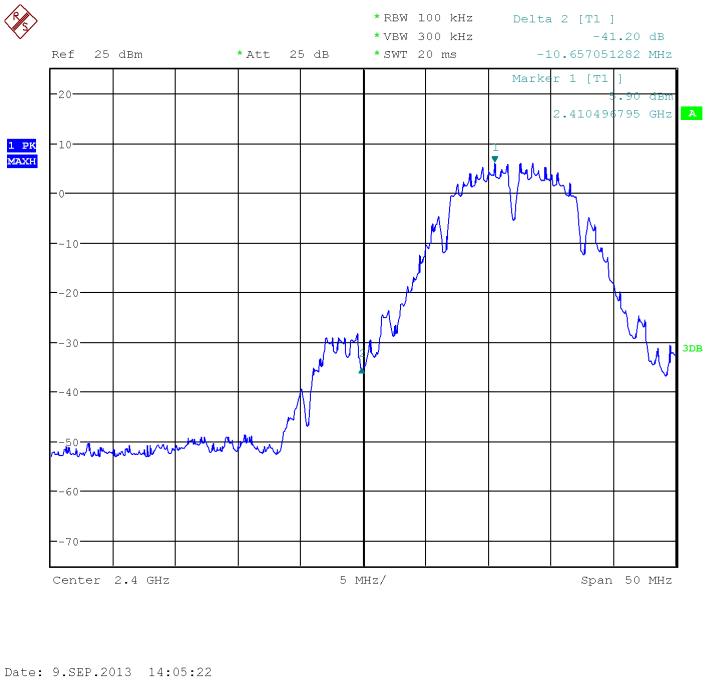


Fig.19 Band Edges (802.11b, Ch1)

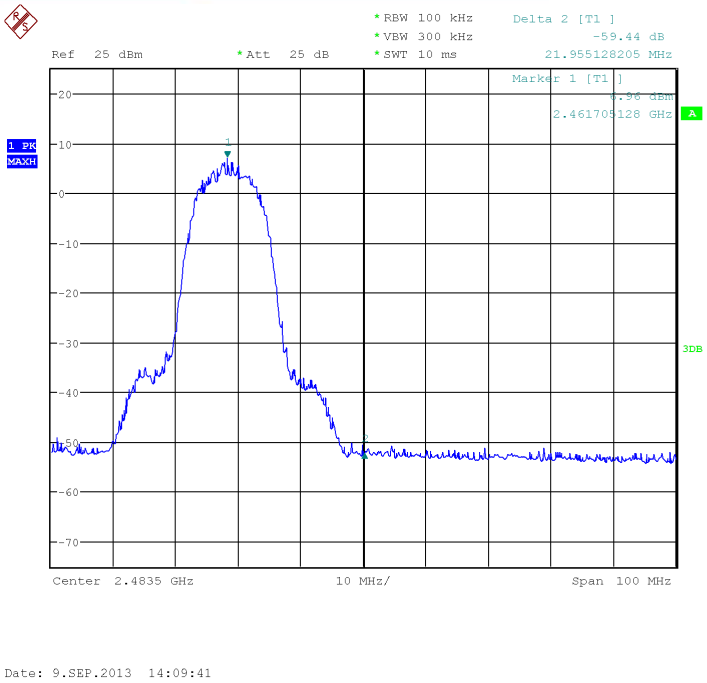


Fig.20 Band Edges (802.11b, Ch11)

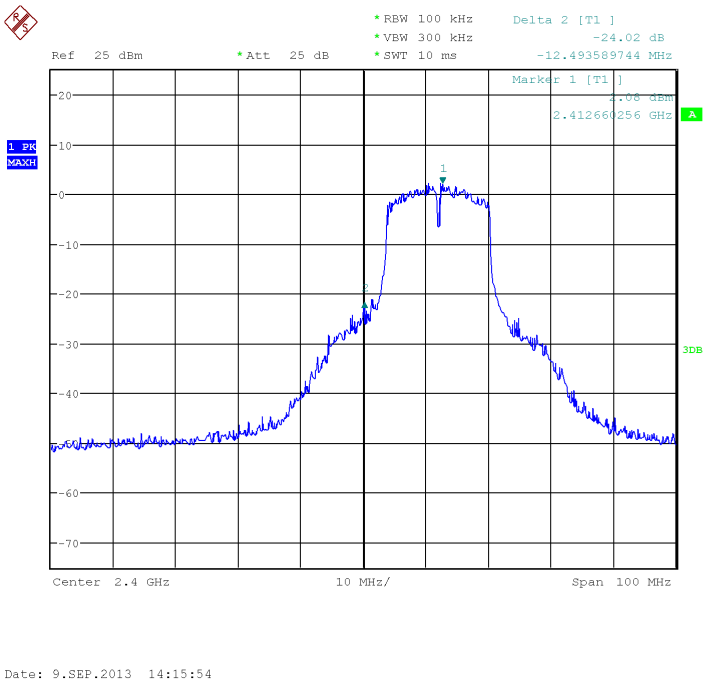


Fig.21 Band Edges (802.11g, Ch1)

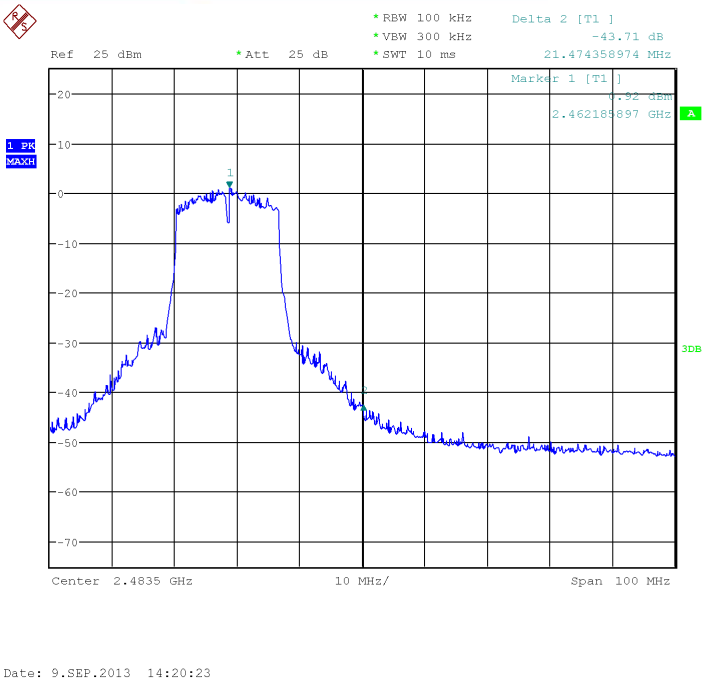


Fig.22 Band Edges (802.11g, Ch11)

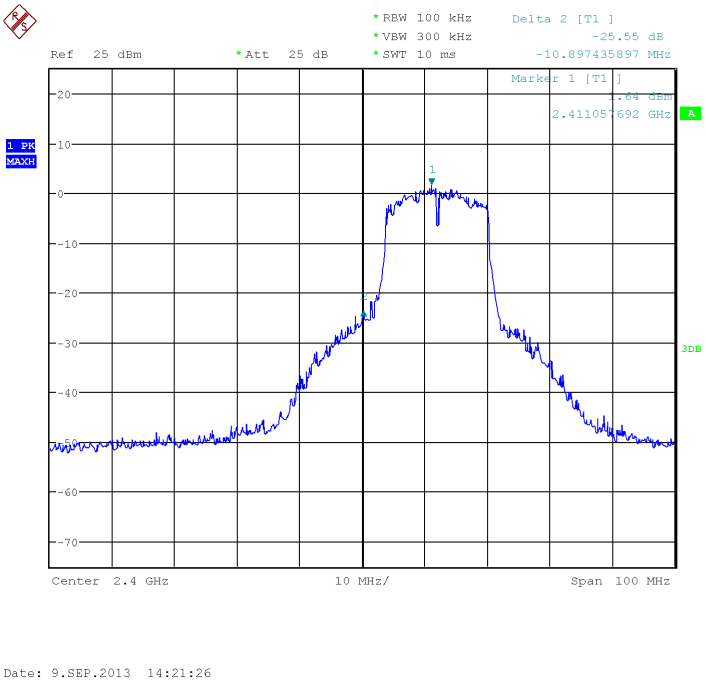


Fig.23 Band Edges (802.11n-20MHz, Ch1)

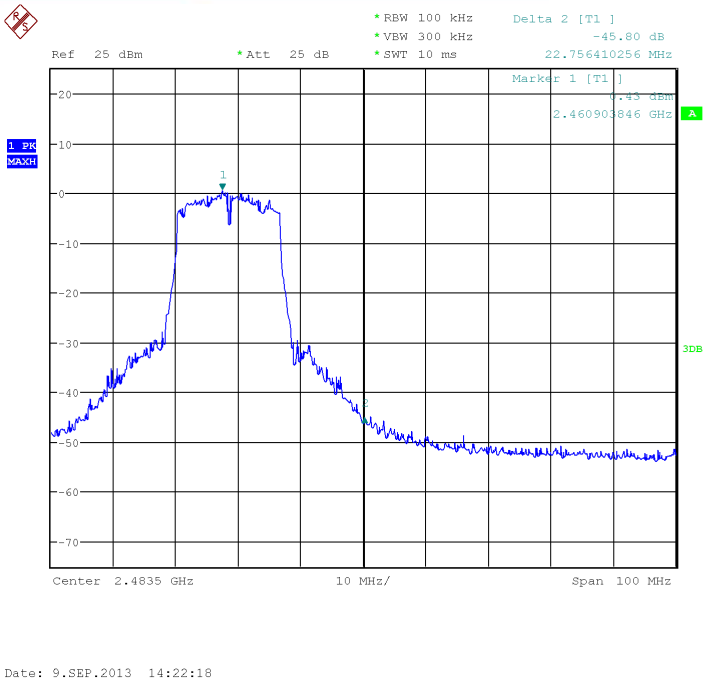


Fig.24 Band Edges (802.11b-20MHz, Ch11)

5.5. Transmitter Spurious Emission-conducted

Measurement Limit:

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

This measurement is according to ANSI C63.4 and KDB558074.

Measurement Uncertainty:

Frequency Range	Uncertainty
30MHz≤ f ≤2GHz	0.63
2GHz≤ f ≤3.6GHz	0.82
3.6GHz≤ f ≤8GHz	1.55
8GHz≤ f ≤20GHz	1.86
20GHz≤ f ≤22GHz	1.90
22GHz≤ f ≤26GHz	2.20

Measurement Result:

802.11b/g mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11b	1	2.412GHz	Fig.25	P

		30MHz~26GHz	Fig.26	P
	6	2.437GHz	Fig.27	P
		30MHz~26GHz	Fig.28	P
	11	2.472GHz	Fig.29	P
		30MHz~26GHz	Fig.30	P
802.11g	1	2.412GHz	Fig.31	P
		30MHz~26GHz	Fig.32	P
	6	2.437GHz	Fig.33	P
		30MHz~26GHz	Fig.34	P
	11	2.472GHz	Fig.35	P
		30MHz~26GHz	Fig.36	P

802.11n mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n(20MHz)	1	2.412GHz	Fig.37	P
		30MHz~26GHz	Fig.38	P
	6	2.437GHz	Fig.39	P
		30MHz~26GHz	Fig.40	P
	11	2.472GHz	Fig.41	P
		30MHz~26GHz	Fig.42	P
802.11n(40MHz)	1	/	/	/
		/	/	/
	6	/	/	/
		/		/
	11	/	/	/
		/		/

Conclusion: PASS

Test graphs as below:

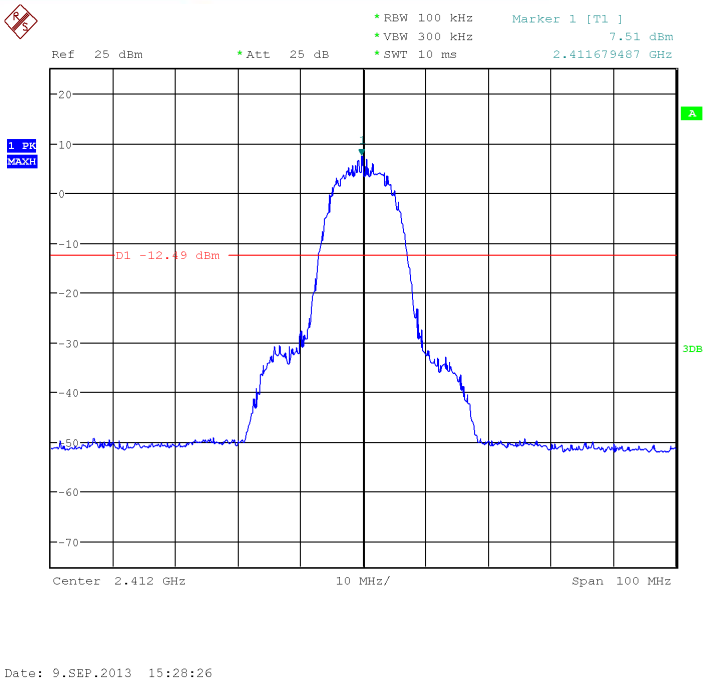


Fig.25 Conducted Spurious Emission (802.11b, Ch1)

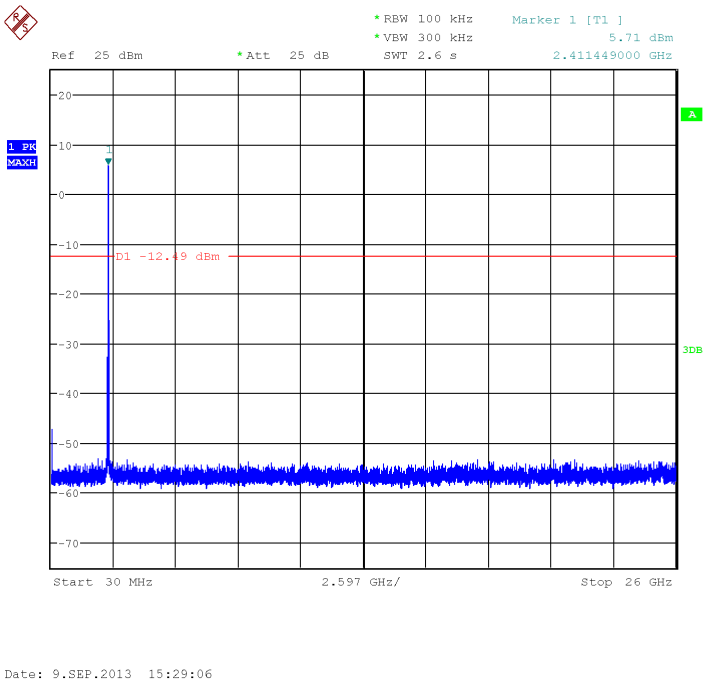


Fig.26 Conducted Spurious Emission (802.11b, Ch1, 30MHz~26GHz)

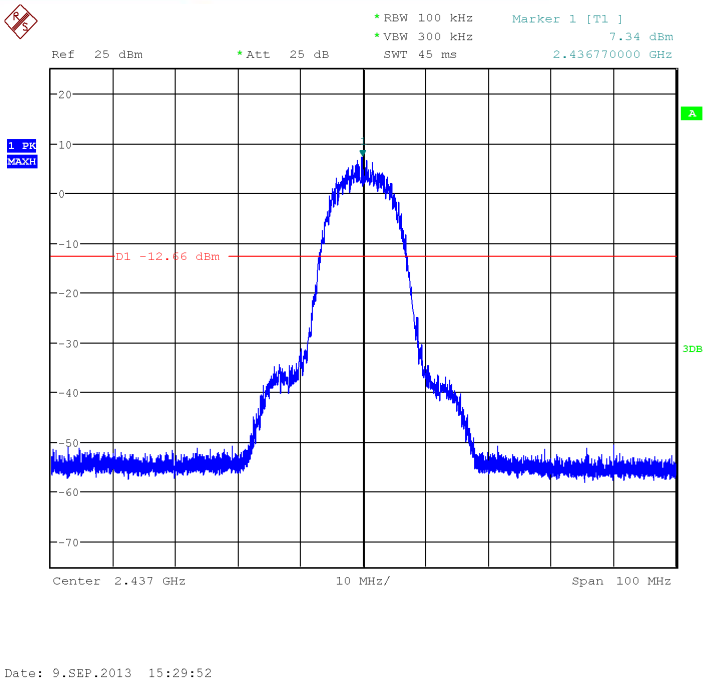


Fig.27 Conducted Spurious Emission (802.11b, Ch6)

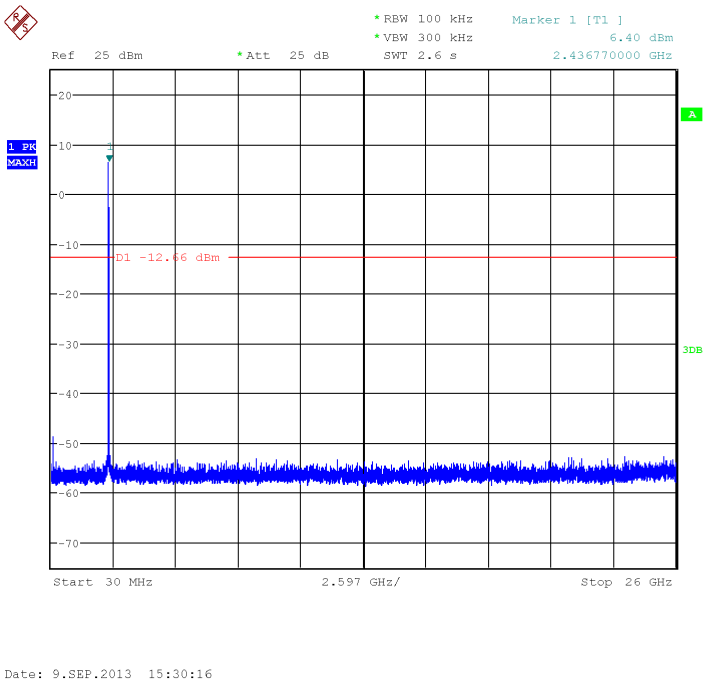


Fig.28 Conducted Spurious Emission (802.11b, Ch6, 30MHz~26GHz)

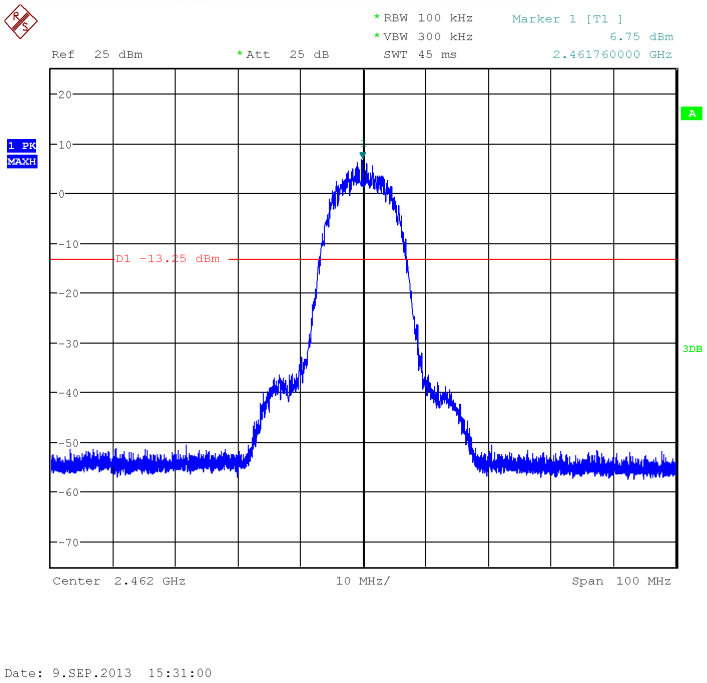


Fig.29 Conducted Spurious Emission (802.11b, Ch11)

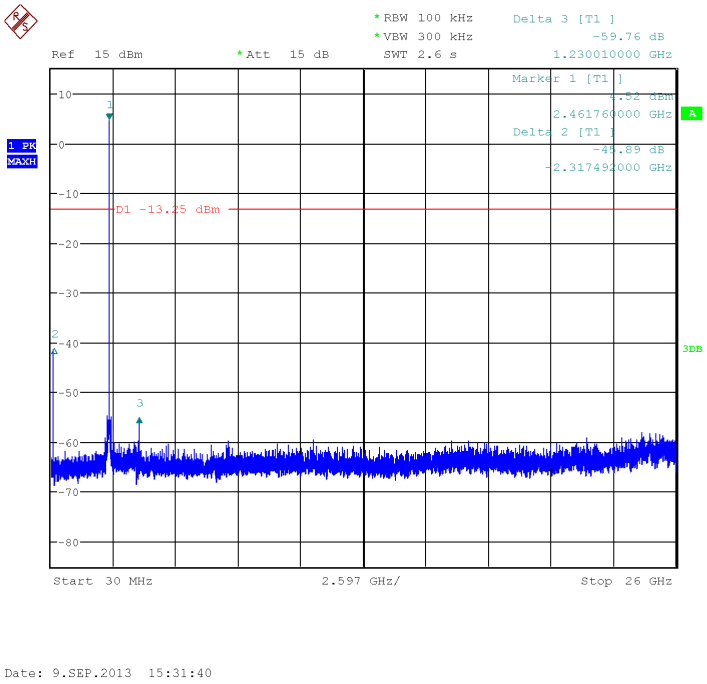


Fig.30 Conducted Spurious Emission (802.11b, Ch11, 30MHz~26GHz)

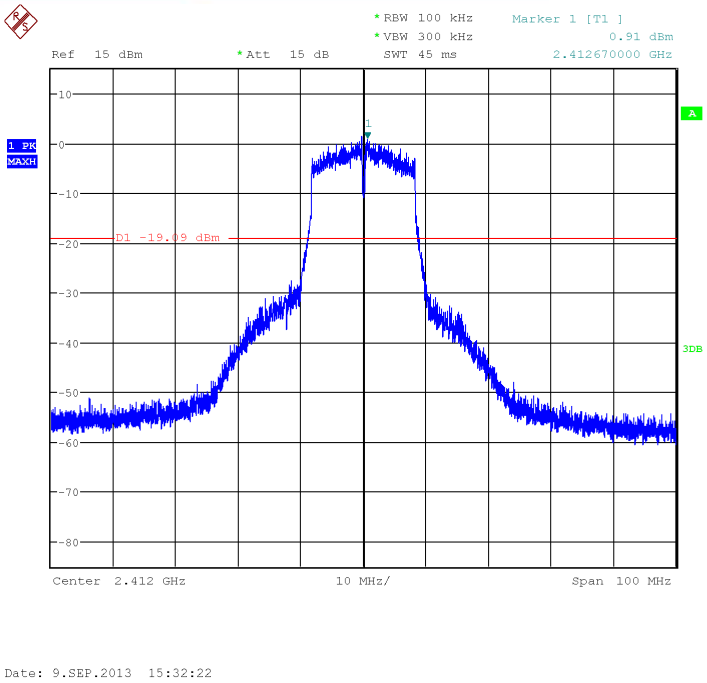


Fig.31 Conducted Spurious Emission (802.11g, Ch1)

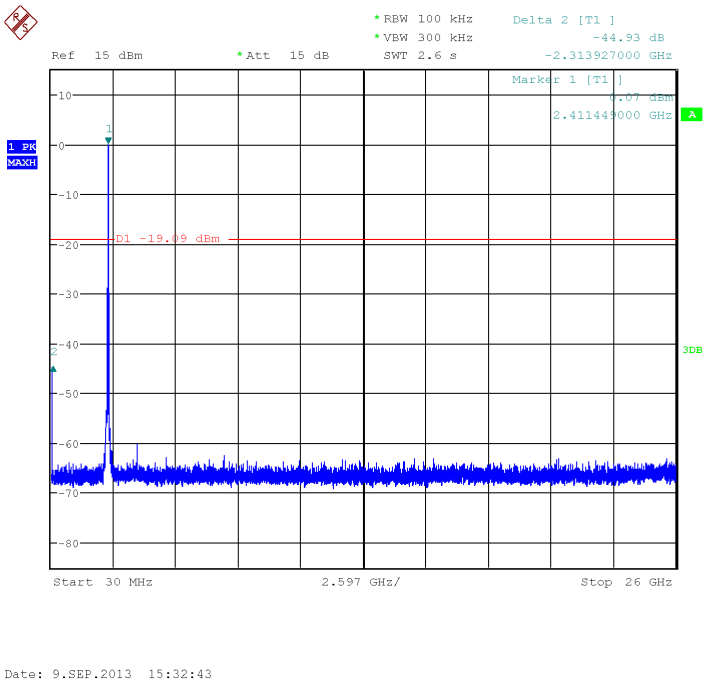


Fig.32 Conducted Spurious Emission (802.11g, Ch1, 30MHz~26GHz)

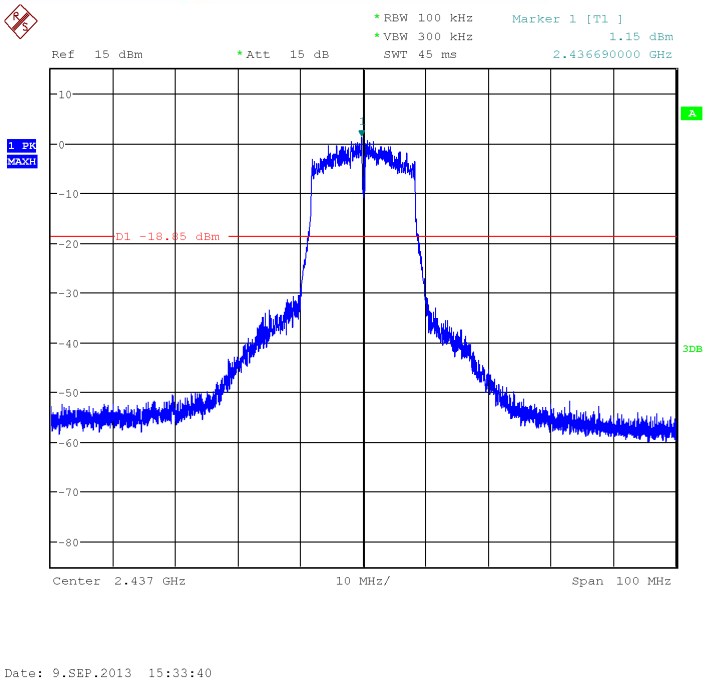


Fig.33 Conducted Spurious Emission (802.11g, Ch6)

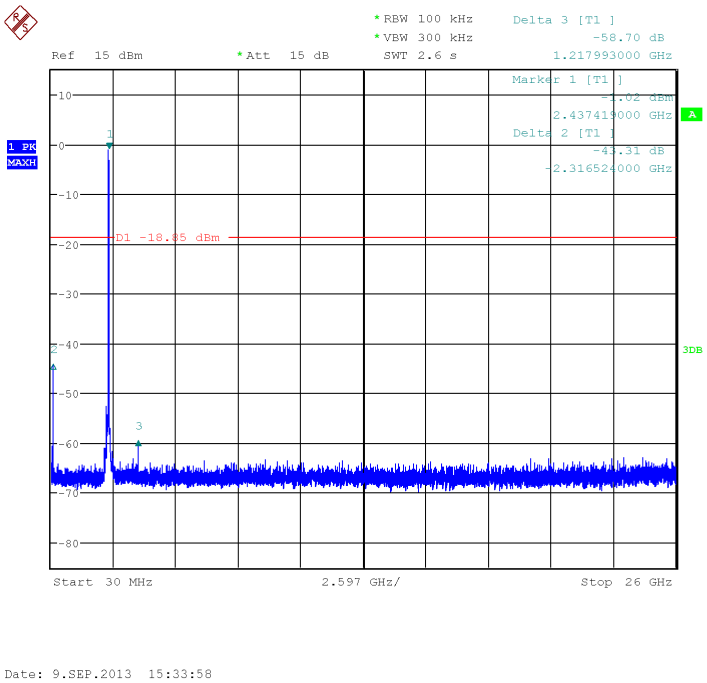


Fig.34 Conducted Spurious Emission (802.11g, Ch6, 30MHz~26GHz)

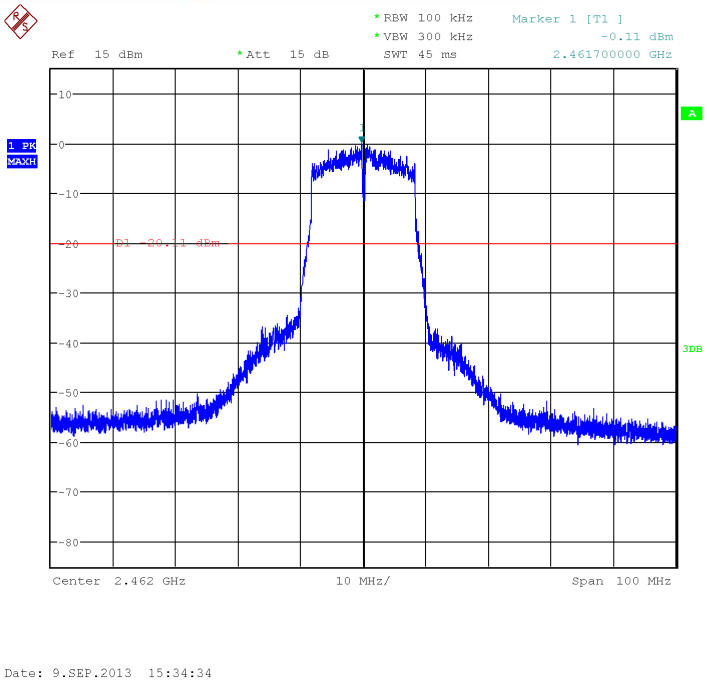


Fig.35 Conducted Spurious Emission (802.11g, Ch11)

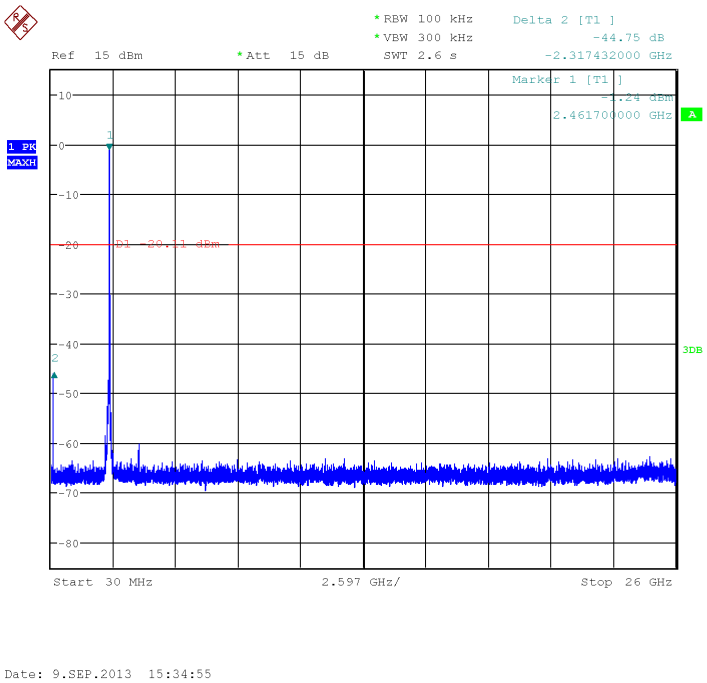


Fig.36 Conducted Spurious Emission (802.11g, Ch11, 30MHz~26GHz)

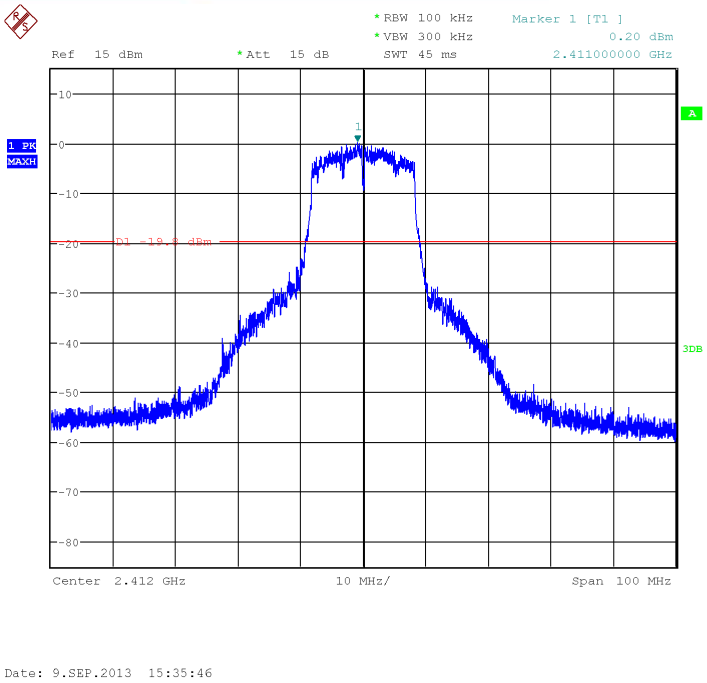


Fig.37 Conducted Spurious Emission (802.11n-20MHz, Ch1)

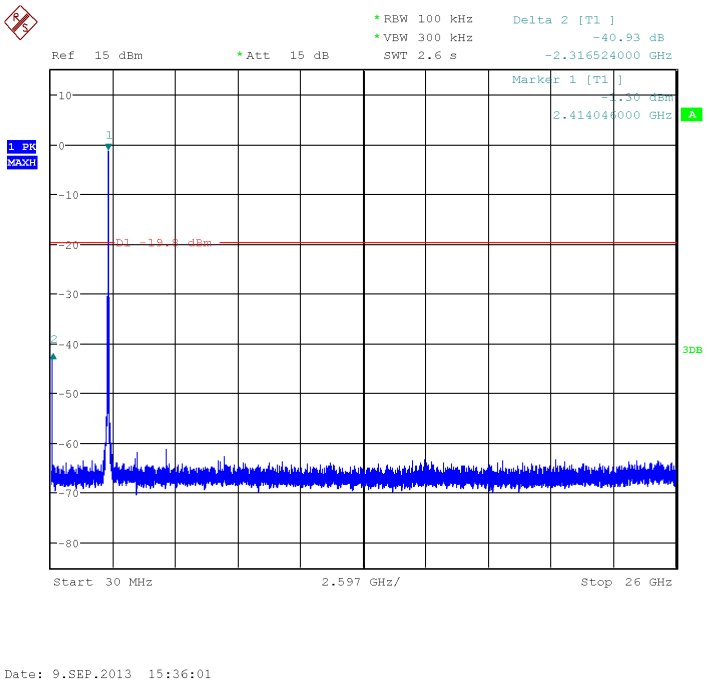


Fig.38 Conducted Spurious Emission (802.11n-20MHz, Ch1, 30MHz~26GHz)

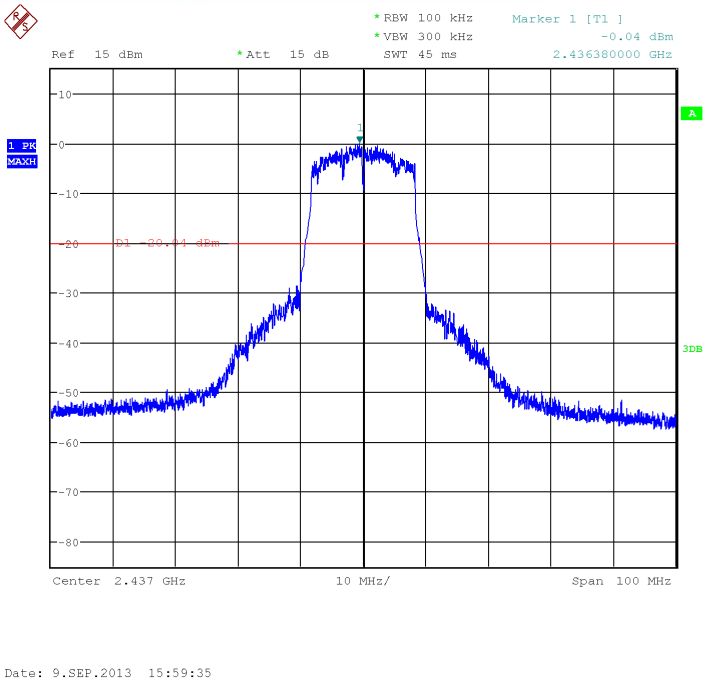


Fig.39 Conducted Spurious Emission (802.11n-20MHz, Ch6)

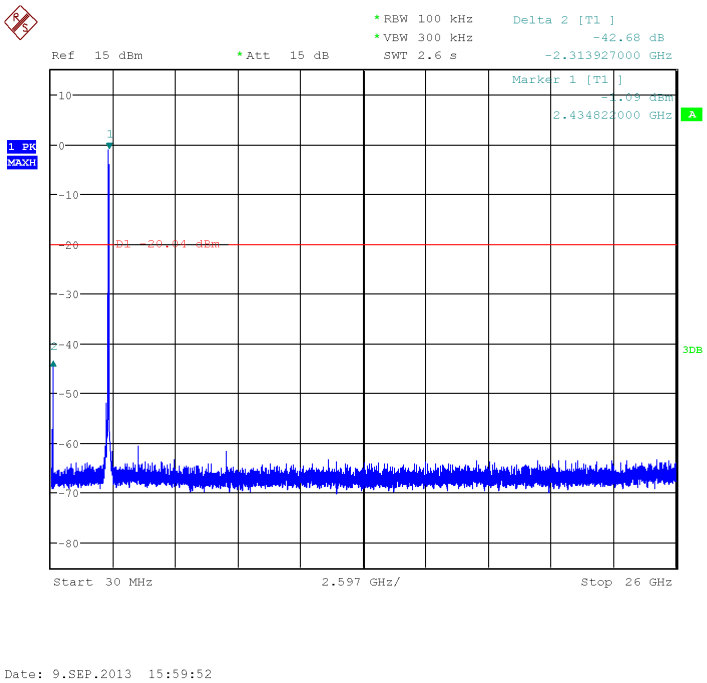


Fig.40 Conducted Spurious Emission (802.11n-20MHz, Ch6, 30MHz~26GHz)

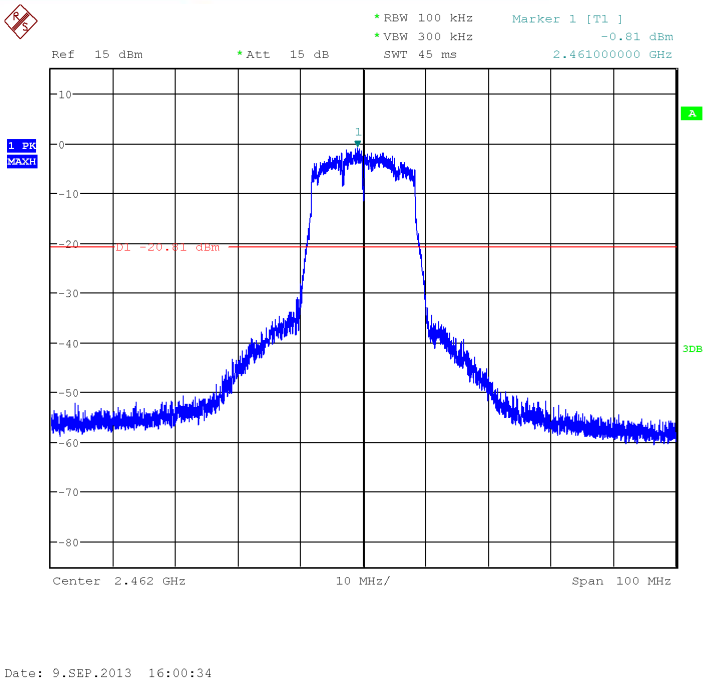


Fig.41 Conducted Spurious Emission (802.11n-20MHz, Ch11)

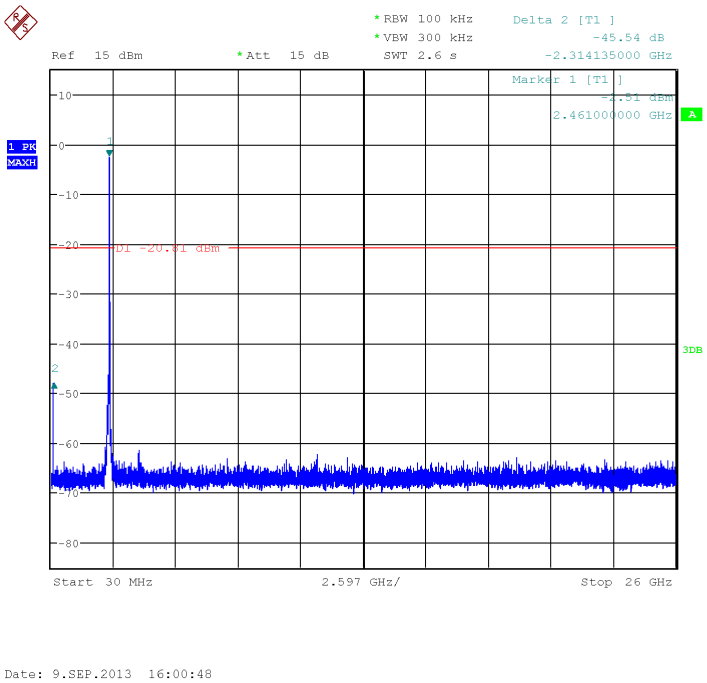


Fig.42 Conducted Spurious Emission (802.11n-20MHz, Ch11, 30MHz~26GHz)

5.6. Transmitter Spurious Emission-Radiated

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 25.205(a), must also comply with the radiated emission limits specified in 15.209(a)(see 15.205(c)).

The measurement is according to ANSI C63.4 and KDB558704.

Limit in restricted band:

Frequency of emission(MHz)	Field strength(uV/m)	Field strength(dBuV/m)
30~88	100	40
88~216	150	43.5
216~960	200	46
Above 960	500	54

Test condition:

Portable, small, lightweight, or modular devices that may be handheld, worn on the body, or placed on a table during operation shall be positioned on a nonconducting platform, the top of which is 80 cm above the reference ground plane. The preferred area occupied by the EUT arrangement is 1 m by 1.5 m, but it may be larger or smaller to accommodate various sized EUTs. For testing purposes, ceiling- and wall-mounted devices also shall be positioned on a tabletop (see also ANSI C63.4-2009 section 6.3.4 and 6.3.5). In making any tests involving handheld, body-worn, or ceiling-mounted equipment, it is essential to recognize that the measured levels may be dependent on the orientation (attitude) of the three orthogonal axes of the EUT. Thus, exploratory tests as specified in 8.3.1 shall be carried out for various axes orientations to determine the attitude having maximum or near-maximum emission level.

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

Frequency of emission (MHz)	RBW/VBW	Sweep Times (s)
30~1000	100KHz/300KHz	5
1000~4000	1MHz/1MHz	15
4000~18000	1MHz/1MHz	40
18000~26500	1MHz/1MHz	20

802.11b/g mode

Mode	**Channel**	**Frequency Range**	**Test Results**	**Conclusion**
802.11b	Power	2.38GHz~2.45GHz	Fig.44	P
	Power	2.45GHz~2.5GHz	Fig.45	P
	1	30MHz~1GHz	Fig.46	P

		1GHz~3GHz	Fig.47	P
		3GHz~18GHz	Fig.48	P
802.11g	Power	2.38GHz~2.45GHz	Fig.49	P
	Power	2.45GHz~2.5GHz	Fig.50	P
	11	30MHz~1GHz	Fig.51	P
		1GHz~3GHz	Fig.52	P
		3GHz~18GHz	Fig.53	P

802.11n mode

Mode	Channel	Frequency Range	Test Results	Conclusion
802.11n(20MHz)	Power	2.38GHz~2.45GHz	Fig.54	P
	Power	2.45GHz~2.5GHz	Fig.55	P
	1	30MHz~1GHz	Fig.56	P
		1GHz~3GHz	Fig.57	P
		3GHz~18GHz	Fig.58	P
/	All channels	18GHz~26.5GHz	Fig.59	P

Conclusion: PASS

Note:

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

P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

Result= P_{Mea} + A_{Rpi}= P_{Mea} + Cable Loss + Antenna Factor.

802.11b mode

Ch1 30MHz~1GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
34.462	13.4	0.61	12.79	V
99.9855	19.3	0.86	18.44	V
254.5065	14.1	1.91	12.19	H
226.9585	13.1	2.66	10.44	V
330.9425	15.3	3.27	12.03	V

Ch1 1GHz~3GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
1304.7948	39.9	12.64	27.26	H
1561.9216	42.8	12.99	29.81	H
1830.2644	45.2	13.93	31.27	V
2074.2124	48.3	15.82	32.48	V
2623.3682	53.2	15.88	37.32	H
2797.1188	52.2	15.94	36.26	H

Ch1 3GHz~18GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
3651	39.1	7.1	32	H
4494	39.7	8.72	30.98	H
7237.5	41.8	10.73	31.07	H
9173.5	46	11.93	34.07	H
11656.5	48.6	13.3	35.3	H
15662.5	52.2	14.32	37.88	H

802.11g

Ch11 30MHz~1GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
34.365	19.7	0.61	19.09	V
66.666	14.6	1.91	12.69	V
99.9855	12.8	2.66	10.14	V
457.5275	18.8	3.27	15.53	H
752.65	24	4.29	19.71	H

Ch11 1GHz~3GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
1082.1572	38.3	12.64	25.66	V

1345.7332	41.1	12.99	28.11	V
1698.196	44.8	13.93	30.87	V
2160.0148	48.9	15.82	33.08	H
2625.6408	52.3	15.46	36.84	V
2892.568	52.3	16.51	35.79	H

Ch11 3GHz~18GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
3758.5	39.7	7.1	32.6	H
7283	42.8	8.72	34.08	H
12978.5	49.1	10.73	38.37	H
9674	44.5	11.93	32.57	H
5057.5	39.7	13.3	26.4	V
16511.5	53.2	14.32	38.88	V

802.11n-20MHz

Ch1 30MHz~1GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
34.753	16	0.86	15.14	V
66.569	15.2	1.56	13.64	V
99.9855	13.9	3.32	10.58	V
199.9925	12.1	4.66	7.44	H
578.8745	20.5	4.78	15.72	H
931.9545	25.9	4.83	21.07	V

Ch1 1GHz~3GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
2068.6044	48.1	12.64	35.46	V
1667.6324	44.2	12.99	31.21	V
1245.0696	39.1	13.93	25.17	V

2661.3826	53.1	14.47	38.63	H
2849.3886	53.1	15.12	37.98	V
1816.2444	44.9	15.76	29.14	H

Ch1 3GHz~18GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
4570.5	41.3	7.1	34.2	H
4718.5	41.3	8.72	32.58	H
7053	42.8	10.73	32.07	H
8396	43.3	11.93	31.37	H

All Ch 18GHz~26.5GHz

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	PMea(dBuV/m)	Polarity
19592.826000	50.2	6.97	43.23	H
20489.730000	47.7	6.97	40.73	H
22092.929000	45.3	3.05	42.05	H
23732.329000	43.8	3.05	40.75	H
24605.152000	43.4	3.05	40.35	H
2563.557000	43.6	3.05	40.55	H

Test graphs as below:

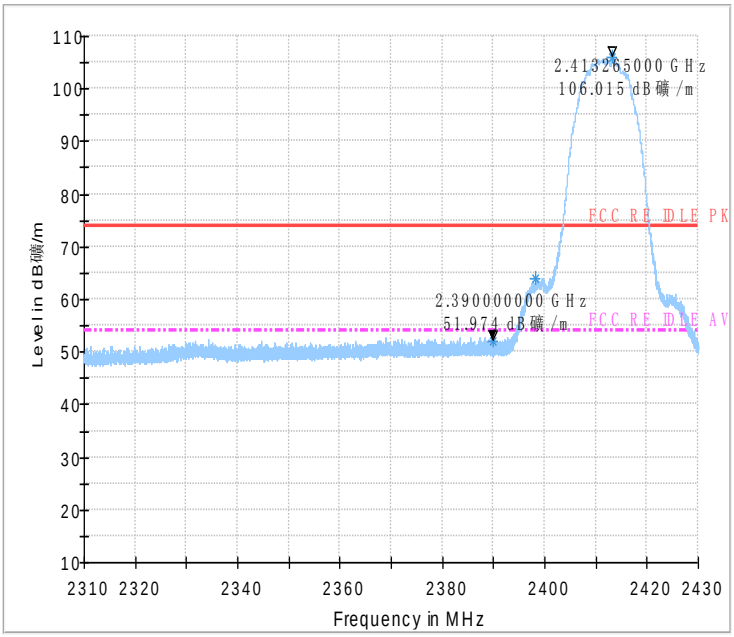


Fig.44 Radiated emission (Power): 802.11b, low channel

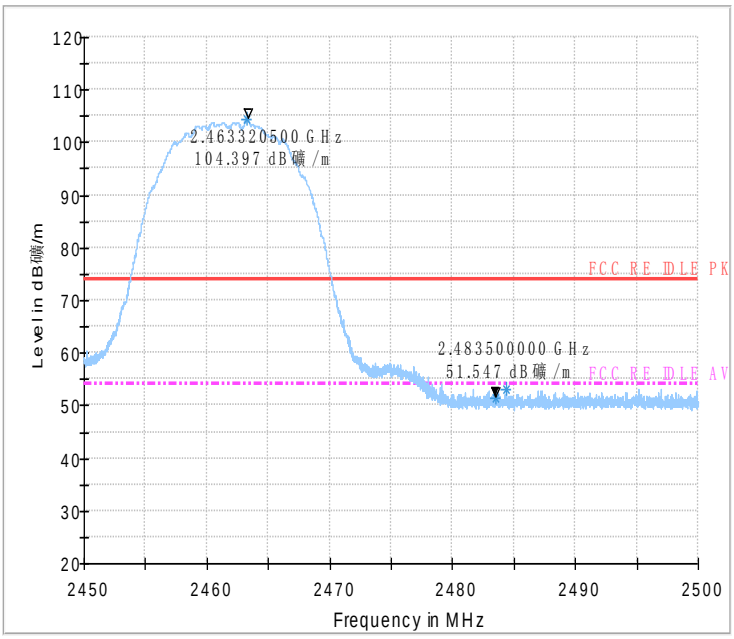


Fig.45 Radiated emission (Power): 802.11b, high channel

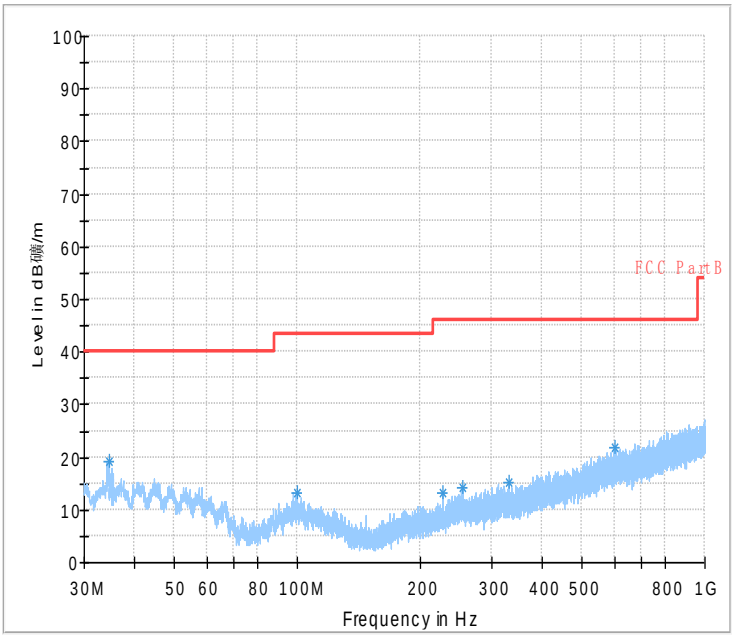


Fig.46 Radiated Spurious Emission (802.11b,Ch1,30MHz~1GHz)

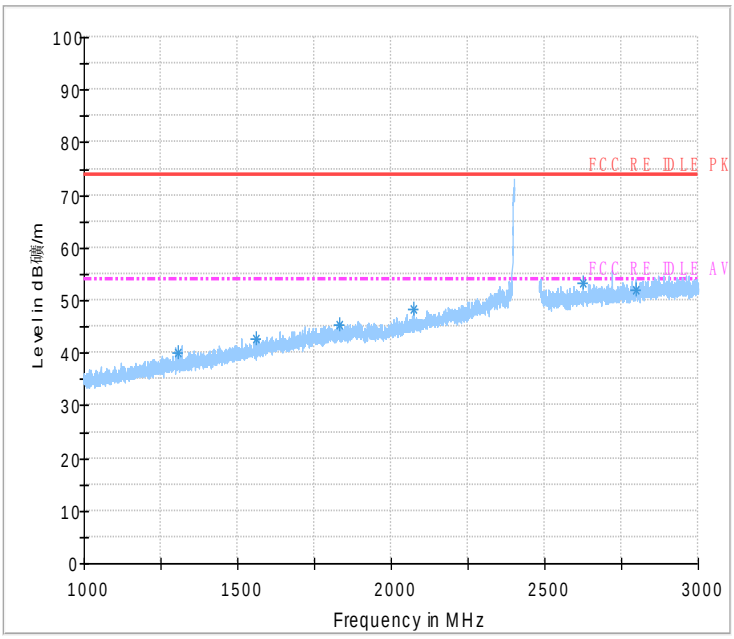


Fig.47 Radiated Spurious Emission (802.11b,Ch1,1GHz~3GHz)

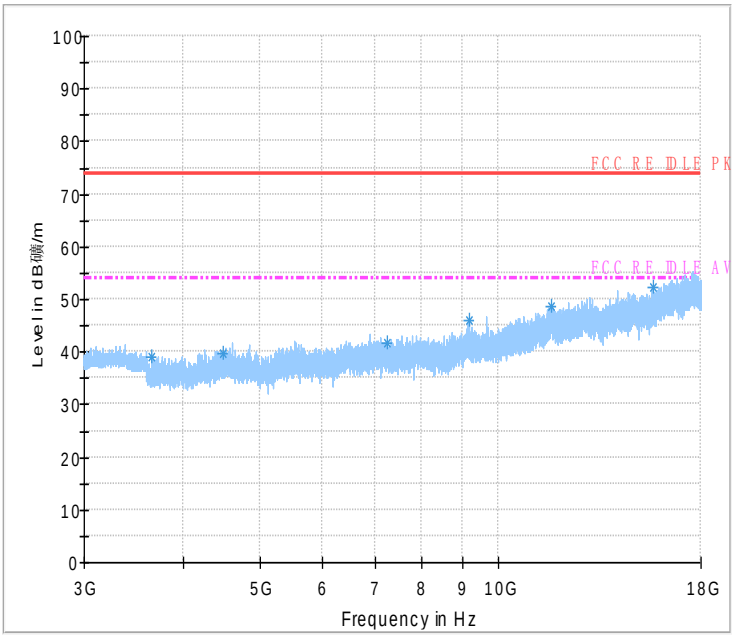
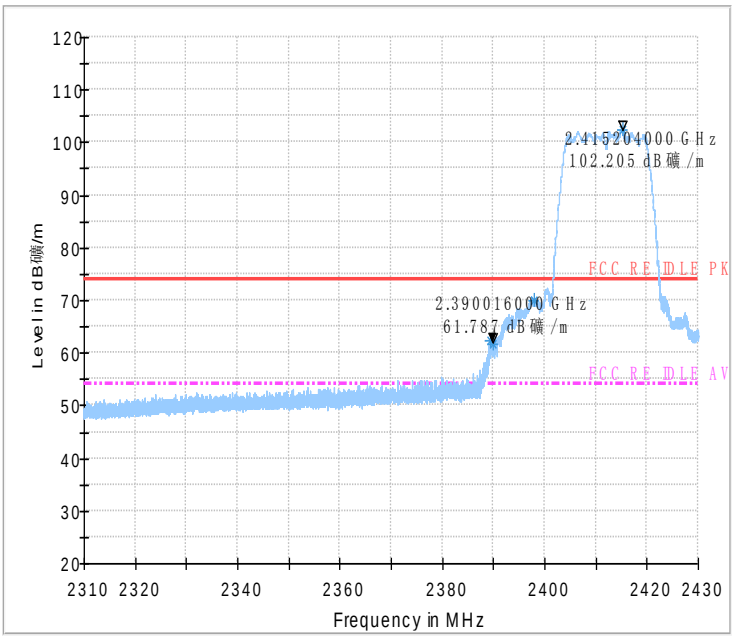


Fig.48 Radiated Spurious Emission (802.11b,Ch1,3GHz~18GHz)



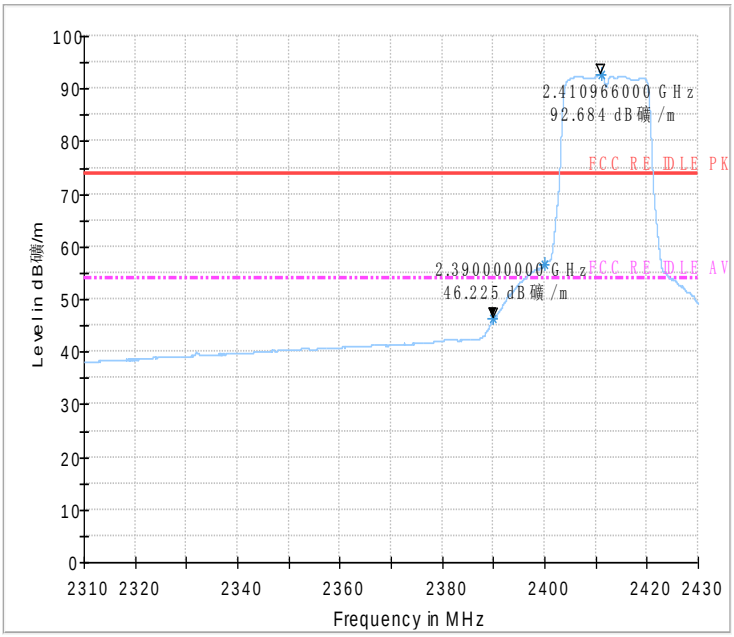
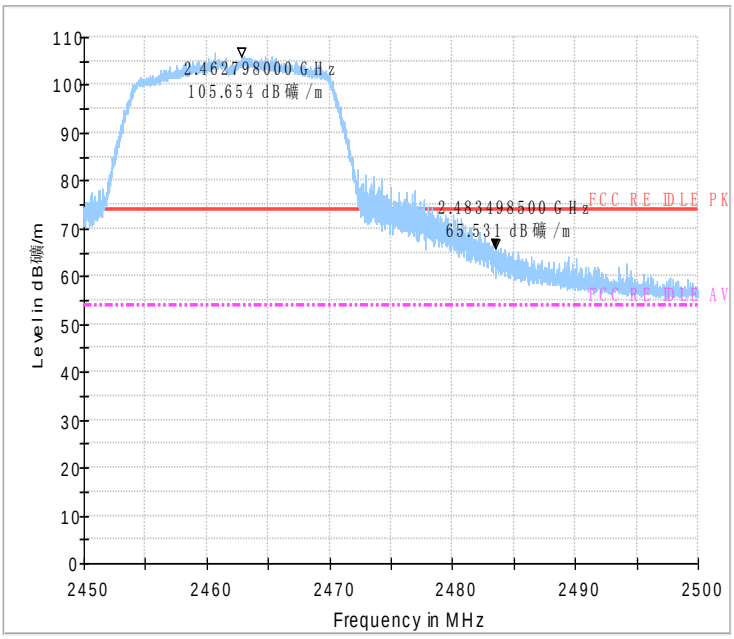


Fig.49 Radiated emission (Power): 802.11g, low channel



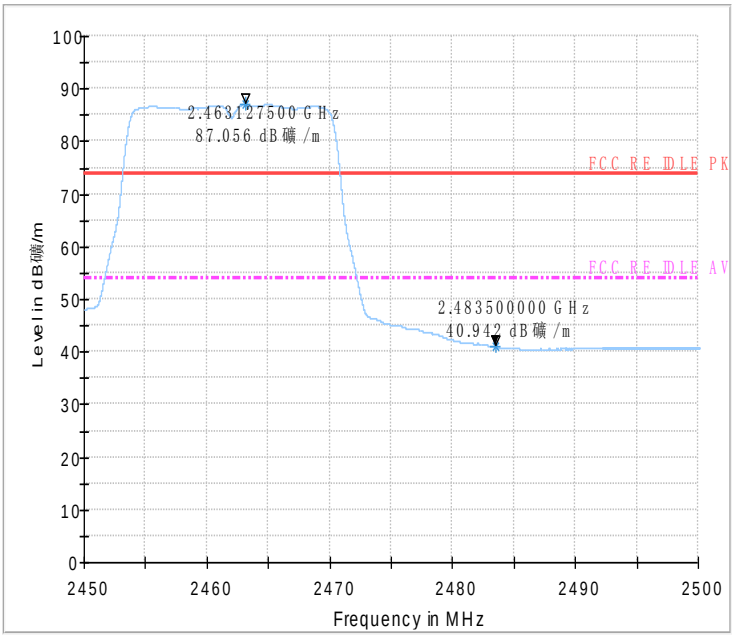


Fig.50 Radiated emission (Power): 802.11g, high channel

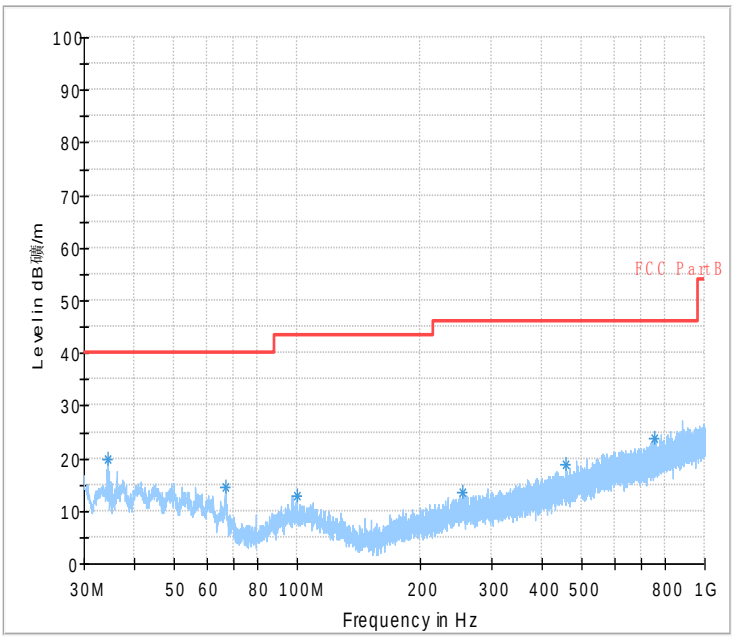


Fig.51 Radiated Spurious Emission (802.11g,Ch11,30MHz~1GHz)

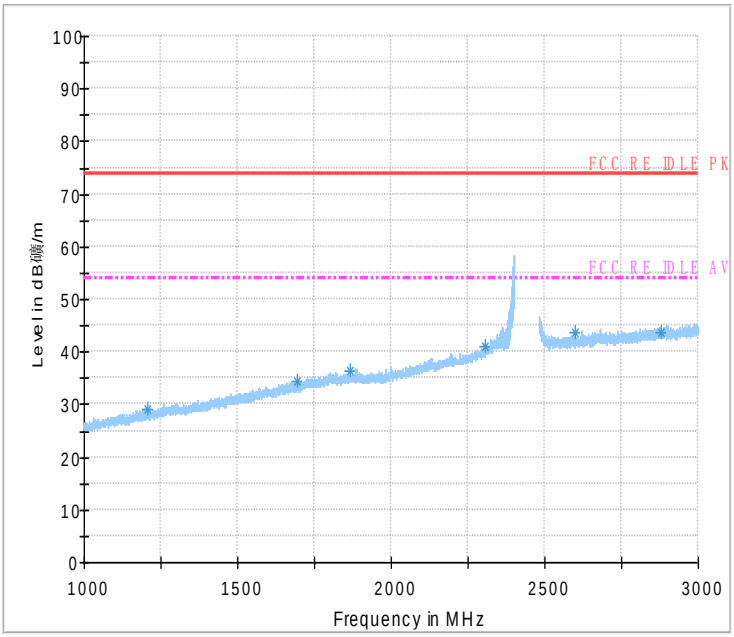


Fig.52 Radiated Spurious Emission (802.11g,Ch11,1GHz~3GHz)

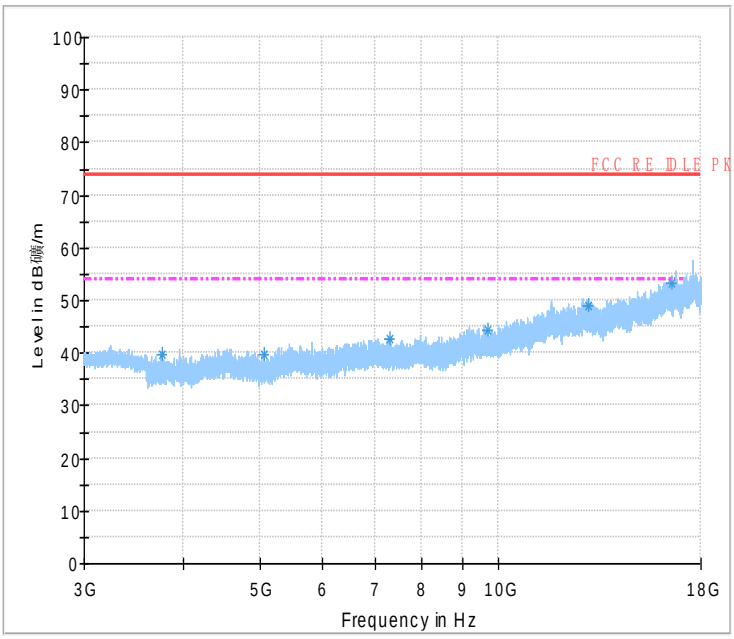
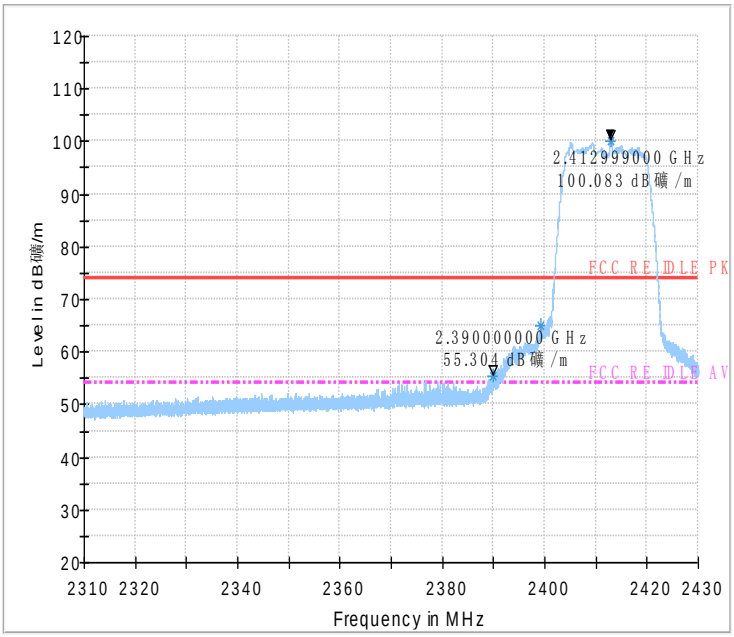


Fig.53 Radiated Spurious Emission (802.11g,Ch11,3GHz~18GHz)



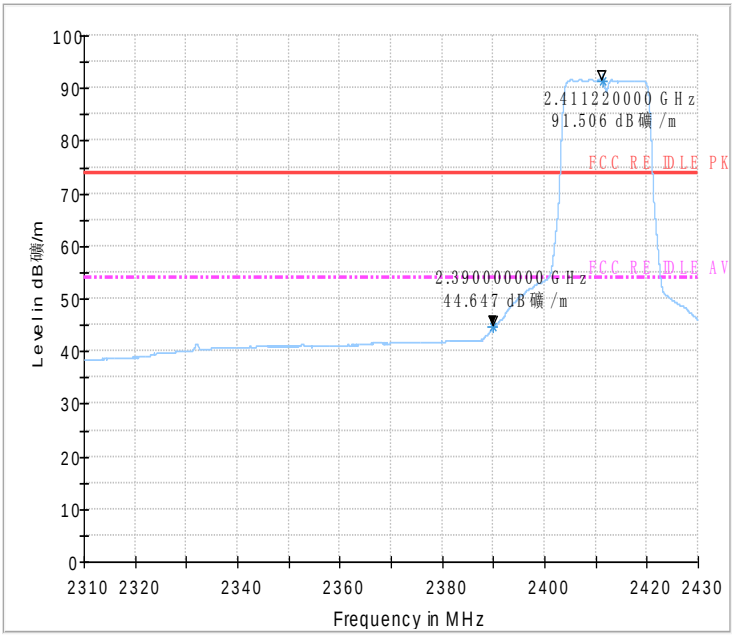
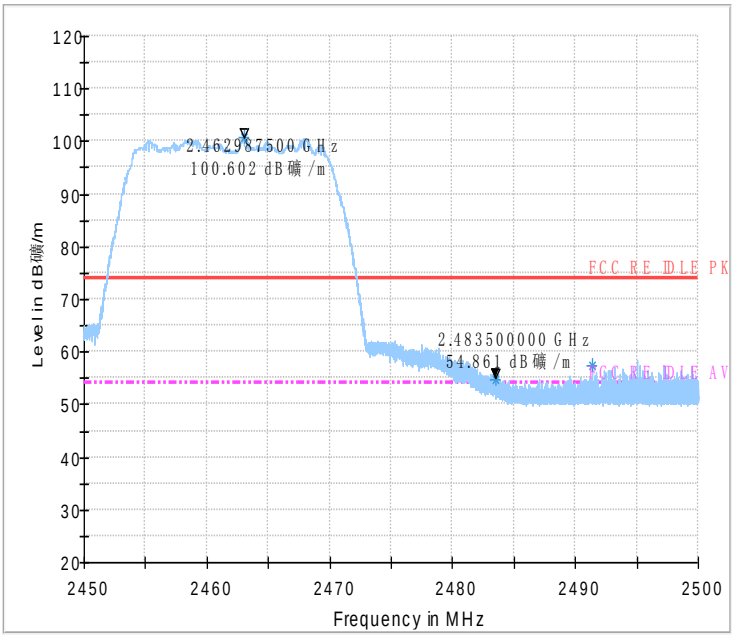


Fig.54 Radiated emission (Power): 802.11n, low channel



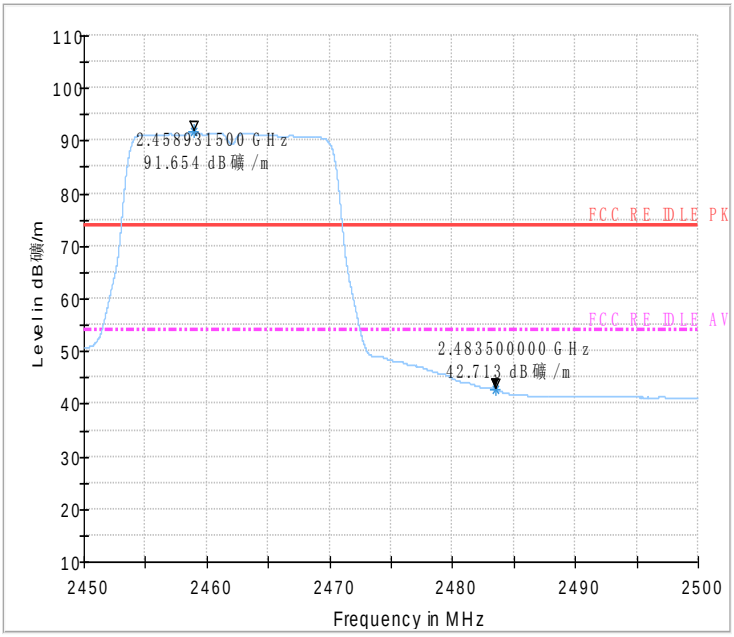


Fig.55 Radiated emission (Power): 802.11n, high channel

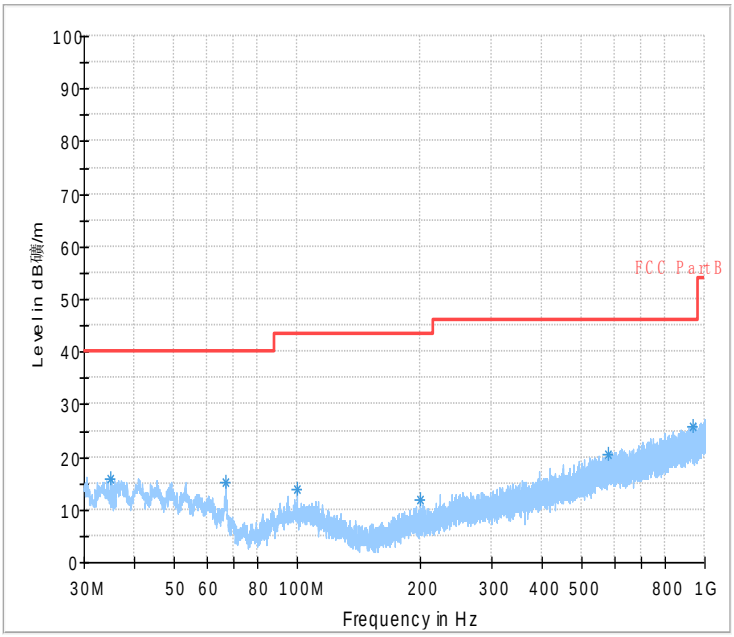


Fig.56 Radiated Spurious Emission (802.11 n-20MHz,Ch1,30MHz~1GHz)

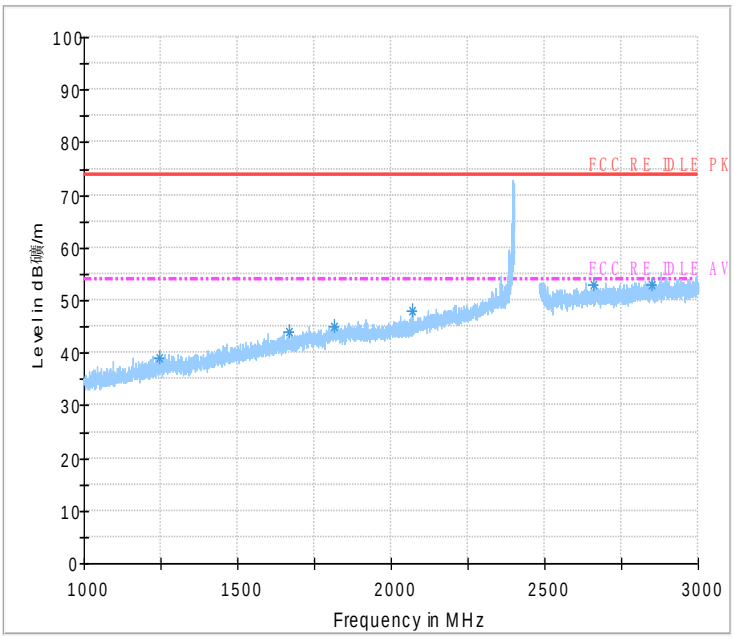


Fig.57 Radiated Spurious Emission (802.11 n-20MHz,Ch1,1GHz~3GHz)

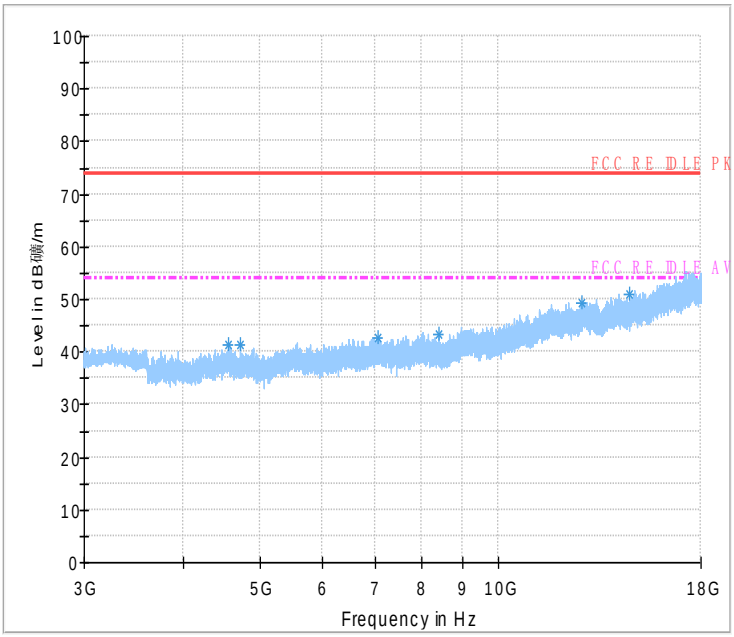


Fig.58 Radiated Spurious Emission (802.11 n-20MHz,Ch1,3GHz~18GHz)

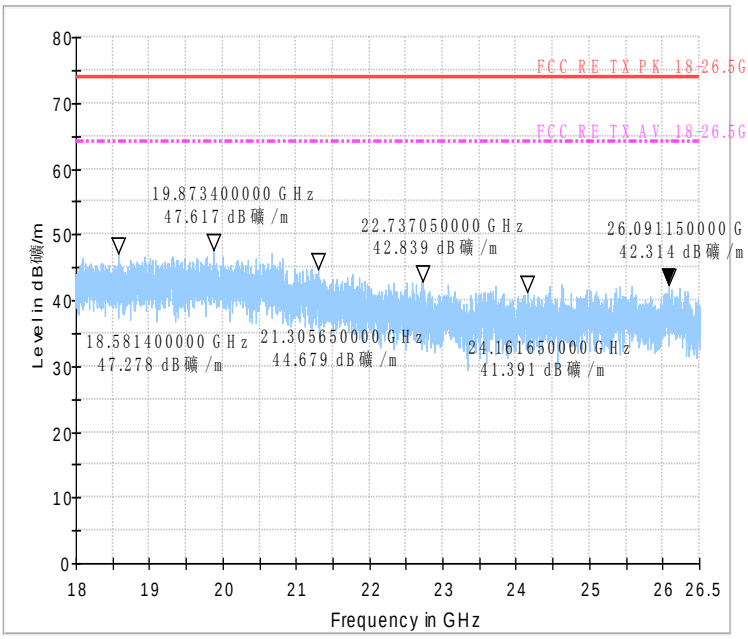


Fig.59 Radiated emission: GFSK, 18 GHz – 26.5 GHz

6. Test Equipments and Ancillaries Used For Tests

The test equipments and ancillaries used are as follows.

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date
1	Vector Signal Analyzer	FSQ26	101096	R&S	2014-08-30
2	DC Power Supply	ZUP60-14	LOC-220Z006	TDL-Lambda	2014-08-30

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date
1	Universal Radio Communication Tester	CMU200	123102	R&S	2014-08-30
2	Test Receiver	ESCI	101235	R&S	2014-08-30
3	Test Receiver	ESU40	100307	R&S	2014-10-29
4	Trilog Antenna	VULB9163	19-162515	Schwarzbeck	2014-11-11
5	Double Ridged Guide Antenna	ETS-3117	135885	ETS	2014-04-28
6	2-Line V-Network	ENV216	101380	R&S	2014-10-30

7	Single Phase Harmonic & Flicker	DPA500N	V1126109988	EM Test	2014-10-28
8	Multifunction AC/DC Power Source	Netwave7	V1126109989	EM Test	2014-10-28
9	Ultra Compact Simulator	UCS 500N7	V1126109983	EM Test	2014-07-22
10	Motorized Variac	MV 2616	V1126109987	EM Test	2014-07-22
11	Telecom Surge Module	TSurge7	V0902104582	EM Test	2014-07-22
12	Audio Analyzer	UPV	101950	R&S	2014-08-30
13	Power Meter	NRP2	101804	R&S	2014-08-30
14	Signal Generator	SMB 100A	105563	R&S	2014-08-30
15	ESD Test Simulator	Dito	V1126109982	EM Test	2014-10-31

Anechoic chamber

Fully anechoic chamber by Frankonia German.

7. Test Environment

Shielding Room1 (6.0 meters×3.0 meters×2.7 meters) did not exceed following limits

along the conducted RF performance testing:

Temperature	Min. = 15 ℃, Max. = 30 ℃
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

Control room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. =30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω

Fully-anechoic chamber1 (6.8 meters×3.08 meters×3.53 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ℃, Max. = 30 ℃
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

Fully-anechoic chamber2 (Tapered Section: 8.75 meters×3.66 meters×3.66 meters, Rectangular Section: 7.32 meters×3.97 meters×3.66 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ℃, Max. = 30 ℃
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 10 kΩ

Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 30MHz to 40000MHz

ANNEX A Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

ANNEX B Deviations from Prescribed Test Methods

ZTE中兴

ZTE CORPORATION

Product Change Description

Original FCC ID: SRQ-ZTEV795
New FCC ID: SRQ-ZTEKISQ

As the applicant of the below model, [ZTE Corporation] declares that the product,

[ZTE Kis Q]
[ZTE Corporation]

is the variant of the initial certified product,

[ZTE V795 、ZTE Kis Q 、ZTE Kis II]
[ZTE Corporation]
[Project Number:13ZTE148]

SOFTWARE MODIFICATIONS:
Protocol Stack changes: NO
MMS/STK changes: NO
JAVA changes: NO
Other changes detailed: yes
software version
IUS-MX-LTB25S-P172D02V1.0.0B01

HARDWARE MODIFICATION:
Band changes: no
Power Amplifier changes: no
Antenna changes: Yes
Chang new Main Antenna

PCB Layout changes: no
Components on PCB changes: no
LCD changes: no
Speaker changes: no
Camera changes: no
Vibrator changes: no
MECHANICAL MODIFICATIONS:

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Use new metal front/back cover or keypad:
Pictures
Change before:

Change after:

Mechanical shell changes: no

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Other changes detailed: no

ACCESSORY MODIFICATIONS:

Battery changes: no

AC Adaptor changes: no

Earphone changes: no

APPROVED BY: Zhang Min

Project Manager: YiQing Huang

Date:2014/1/27

Company: ZTE Corporation

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Fax: +86-21-68896835

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