



Part 15C

TEST REPORT

Product Name WCDMA GSM(GPRS) MOBILE PHONE

Model 008Z

FCC ID Q78-008Z

Client ZTE CORPORATION

TA Technology (Shanghai) Co., Ltd.

TA Technology (Shanghai) Co., Ltd.
Test Report

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GENERAL SUMMARY

Product Name	WCDMA GSM(GPRS) MOBILE PHONE	Model	008Z
FCC ID	Q78-008Z	Report No.	RZA1106-1068RF01
Client	ZTE CORPORATION		
Manufacturer	ZTE CORPORATION		
Reference Standard(s)	<p>FCC CFR47 Part 15C (2010-12) Radio Frequency Devices 15.205 Restricted bands of operation; 15.207 Conducted limits; 15.209 Radiated emission limits; general requirements; 15.247 Operation within the bands 902-928 MHz,2400-2483.5 MHz, and 5725-5850MHz. ANSI C63.4 Methods of Measurement of Radio-Noise Emission from Low-Voltage Electrical and Electronic Equipment in the Range of 9 KHz to 40GHz. (2003) KDB 558074 Measurement of Digital Transmission Systems Operating under Section 15.247 (2005)</p>		
Conclusion	<p>This portable wireless equipment has been measured in all cases requested by the relevant standards. Test results in Chapter 2 of this test report are below limits specified in the relevant standards.</p> <p>General Judgment: Pass</p> <div style="text-align: right;">  (Stamp) Date of issue: July 25th, 2011 </div>		
Comment	The test result only responds to the measured sample.		

Approved by Derick. Yang
Director

Revised by Kain. Xu
RF Manager

Performed by Henry. Wang
RF Engineer

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1. General Information

1.1. Notes of the test report

TA Technology (Shanghai) Co., Ltd. guarantees the reliability of the data presented in this test report, which is the results of measurements and tests performed for the items under test on the date and under the conditions stated in this test report and is based on the knowledge and technical facilities available at TA Technology (Shanghai) Co., Ltd. at the time of execution of the test.

TA Technology (Shanghai) Co., Ltd. is liable to the client for the maintenance by its personnel of the confidentiality of all information related to the items under test and the results of the test. This report only refers to the item that has undergone the test.

This report standalone dose not constitute or imply by its own an approval of the product by the certification Bodies or competent Authorities. This report cannot be used partially or in full for publicity and/or promotional purposes without previous written approval of **TA Technology (Shanghai) Co., Ltd.** and the Accreditation Bodies, if it applies.

If the electrical report is inconsistent with the printed one, it should be subject to the latter.

1.2. Testing laboratory

Company: TA Technology (Shanghai) Co., Ltd.
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong
City: Shanghai
Post code: 201201
Country: P. R. China
Contact: Yang Weizhong
Telephone: +86-021-50791141/2/3
Fax: +86-021-50791141/2/3-8000
Website: <http://www.ta-shanghai.com>
E-mail: yangweizhong@ta-shanghai.com

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1.3. Applicant Information

Company: ZTE CORPORATION
Address: ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District,
Shenzhen, Guangdong, 518057, P.R. China
City: Shenzhen
Postal Code: 518057
Country: P.R. China
Contact: Zhang Min
Telephone: 021-68897541
Fax: 021-50801070

1.4. Manufacturer Information

Company: ZTE CORPORATION
Address: ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District,
Shenzhen, Guangdong, 518057, P.R. China
City: Shenzhen
Postal Code: 518057
Country: P.R. China
Telephone: 021-68897541
Fax: 021-50801070

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1.5. Information of EUT

General information

Name of EUT:	WCDMA GSM(GPRS) MOBILE PHONE
IMEI:	357326040002683
Hardware Version:	P855A10B01
Software Version:	P855A10V0.0.0B01
Antenna Type:	Internal Antenna
Device Operating Configurations:	
Network Standards:	802.11b, 802.11g, 802.11n(HT20); (tested)
Test Modulation:	DSSS OFDM CCK
Power Supply:	Battery or Adapter
Max Conducted Power	15.31 dBm
Extreme Voltage:	Minimum: 3.5 V Maximum: 4.2 V
Extreme Temperature:	Lowest:-20°C Highest: +55°C
Operating Frequency Range(s)	2400MHz~ 2483.5 MHz

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Auxiliary Equipment Details

AE1: Battery

Model: Li3715T42P3h415266
Manufacturer: ZTE CORPORATION
S/N: 10201103113009743

Equipment Under Test (EUT) is WCDMA GSM(GPRS) MOBILE PHONE. The detail about these is in chapter 1.5 in this report. The EUT supports WiFi.

The sample under test was selected by the Client.

Components list please refer to documents of the manufacturer.

1.6. Test Date

The test is performed from June 6 2011 to June 10, 2011 and on July 25, 2011.

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2. Test Information

2.1. Summary of test results

Number	Summary of measurements of results	Clause in FCC rules	Verdict
1	Peak Power Output –Conducted	15.247(b)(3)	PASS
2	Minimum 6dB bandwidth	15.247(a)(2)	PASS
3	Band Edges compliance	15.247(d)	PASS
4	Spurious Radiated Emissions in the restricted band	15.247(d),15.205,15.209	PASS
5	Power spectral Density	15.247(e)	PASS
6	Conducted Spurious Emission	15.247	PASS
7	Radiates Emission	15.247(d),15.205,15.209	PASS
8	Conducted Emissions	15.207,15.107	PASS

2.2. Peak Power Output –Conducted

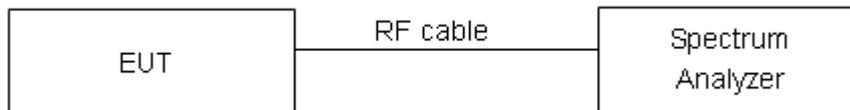
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~ 25°C	45% ~ 50%	101.5kPa

Methods of Measurement

During the process of the testing, The EUT was connected to the spectrum analyzer through an external attenuator and a known loss cable. The EUT is max power transmission with proper modulation. The peak detector is used. RBW is set to 1MHz, VBW is set to 1MHz. These measurements have been tested at following channels: 1, 6, and 11. We use the Method #3 in KDB 558074 for this test.

Test Setup



Limits

Rule Part 15.247 (b) (3) specifies that " For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt."

Peak Output Power	$\leq 1\text{W}$ (30dBm)
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Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.44$ dB.

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Test Results: Pass

Network Standards	Rate (Mbps)	Peak Output Power (dBm)		
		CH 1	CH 6	CH 11
802.11b	1	14.84	13.21	13.63
	2	14.92	13.23	13.67
	5.5	15.31	13.71	14.15
	11	15.13	13.48	13.93
802.11g	6	12.47	12.79	13.15
	9	12.44	12.78	13.16
	12	12.47	12.71	13.17
	18	12.43	12.75	13.18
	24	12.48	12.72	13.15
	36	12.46	12.74	13.18
	48	12.36	12.68	13.13
	54	12.37	12.65	13.11
802.11n HT20	MCS0	8.08	8.28	8.89
	MCS1	8.12	8.27	8.87
	MCS2	8.11	8.28	8.86
	MCS3	8.13	8.28	8.79
	MCS4	8.07	8.23	8.84
	MCS5	7.98	8.18	8.74
	MCS6	7.85	8.15	8.78
	MCS7	7.82	8.14	8.71
	MCS8	7.86	8.12	8.76

Note: Each channel should be tested at data rate with the maximum output power.

2.3. Occupied Bandwidth (6dB)

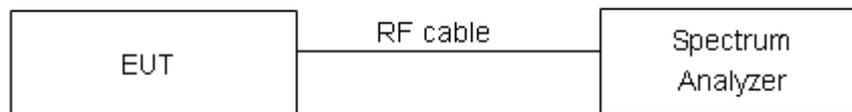
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable. RBW is set to 100 kHz, VBW is set to 300 kHz on spectrum analyzer.

Test Setup



Limits

Rule Part 15.247 (a) (2) specifies that “Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.”

minimum 6 dB bandwidth	≥ 500 kHz
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Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 936$ Hz.

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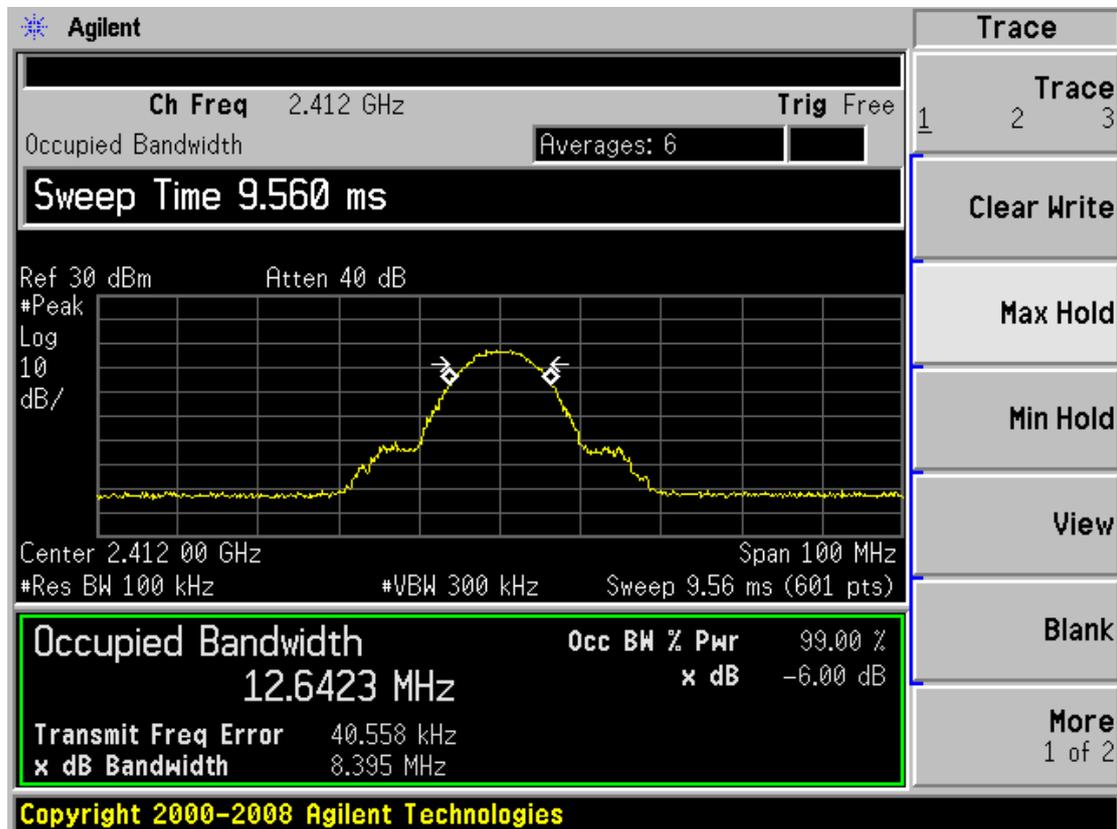
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Test Results:

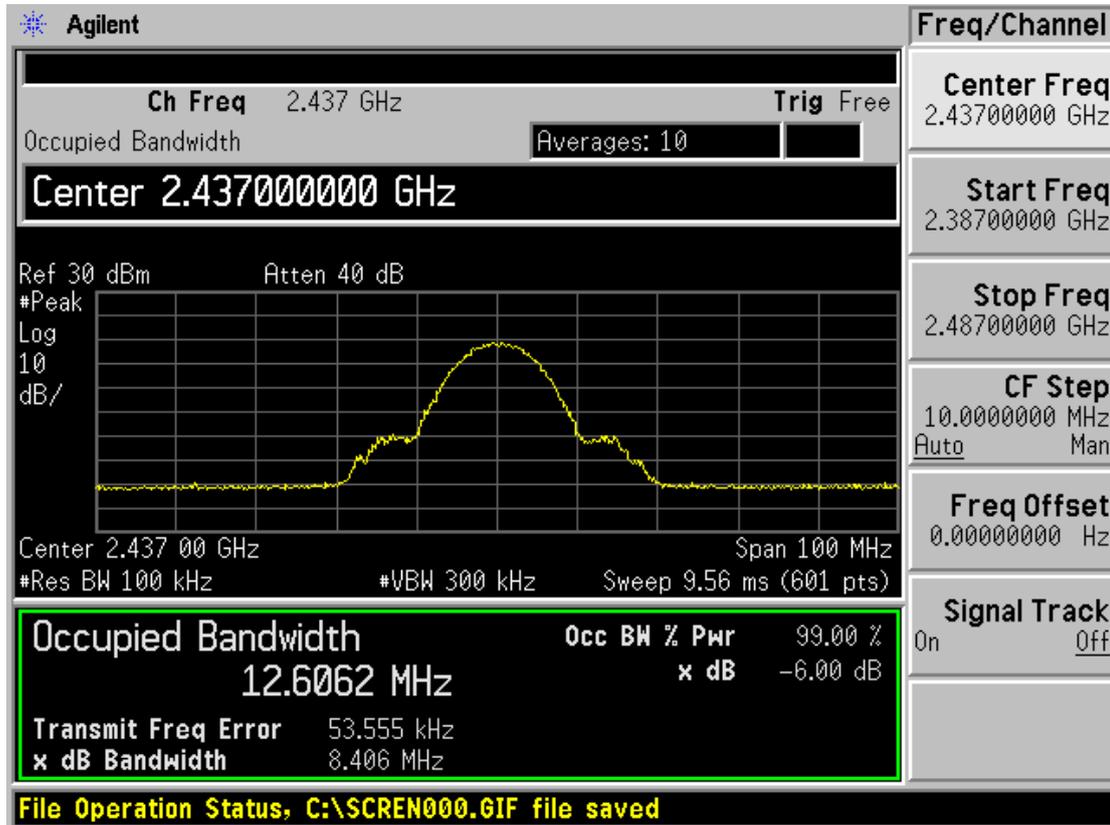
Network Standards	Carrier frequency (MHz)	Minimum 6 dB bandwidth (MHz)	Conclusion
802.11b	2412	8.395	PASS
	2437	8.406	PASS
	2462	7.939	PASS
802.11g	2412	16.500	PASS
	2437	16.515	PASS
	2462	16.541	PASS
802.11n HT20	2412	17.487	PASS
	2437	17.280	PASS
	2462	17.540	PASS

802.11b

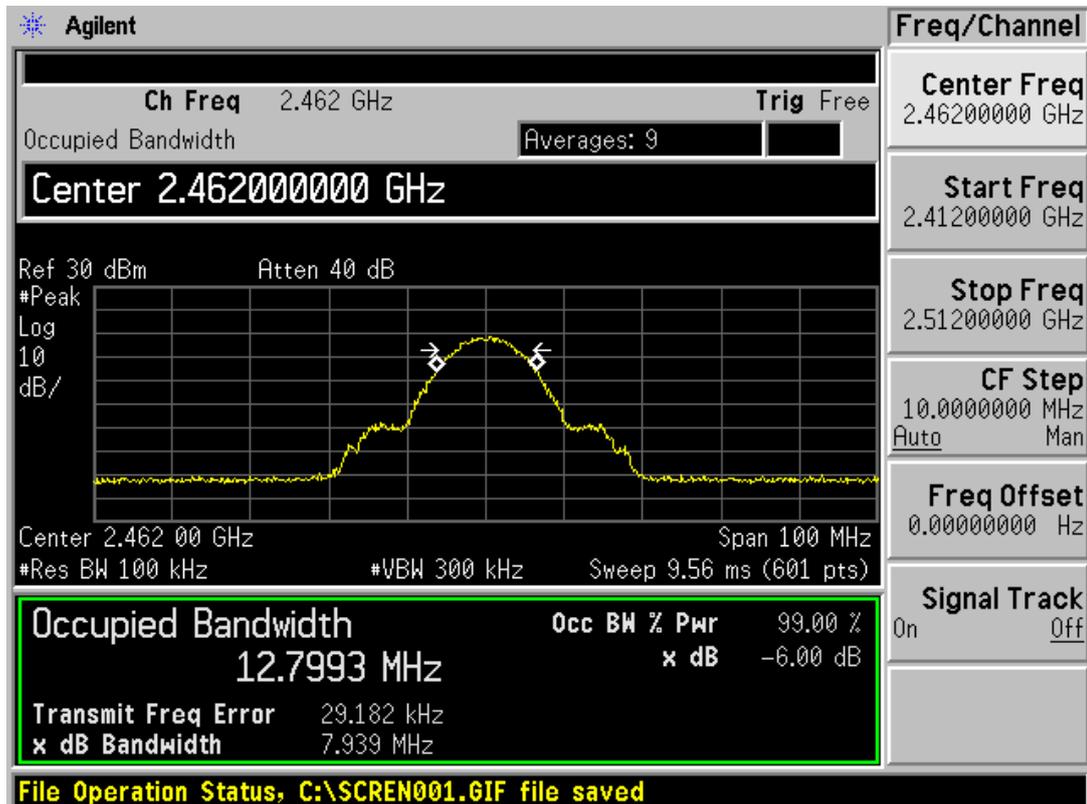


802.11b, Carrier frequency (MHz): 2412

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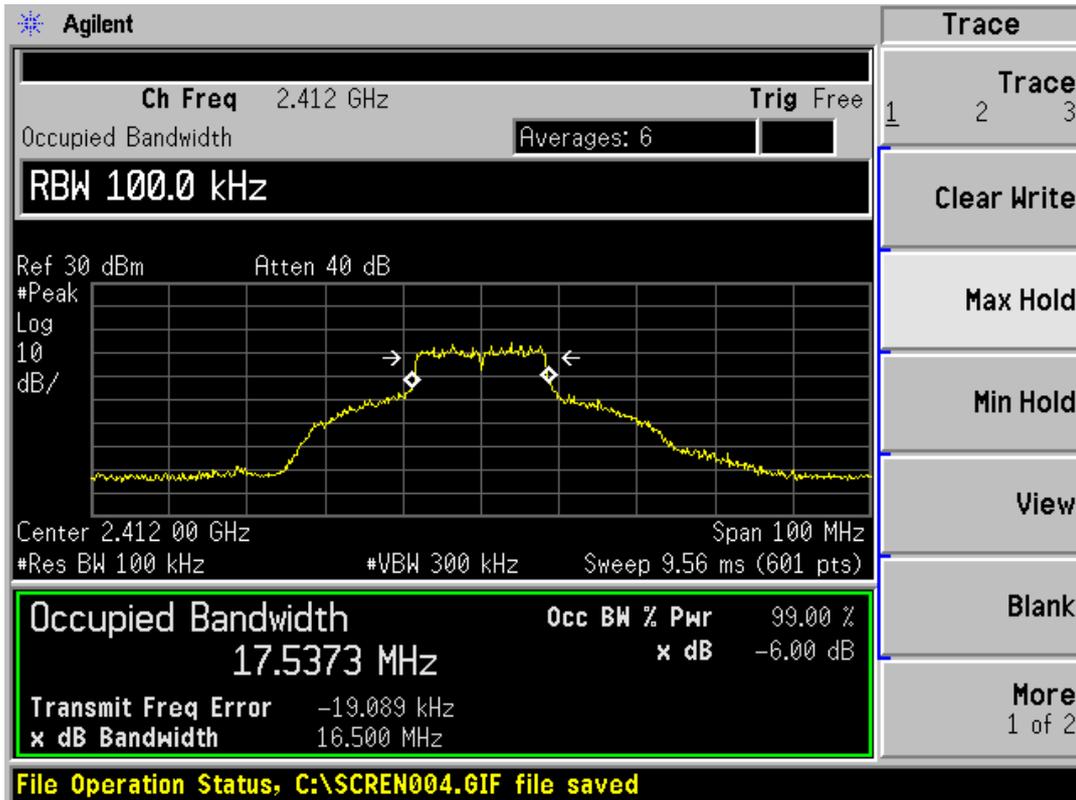
802.11b, Carrier frequency (MHz): 2437



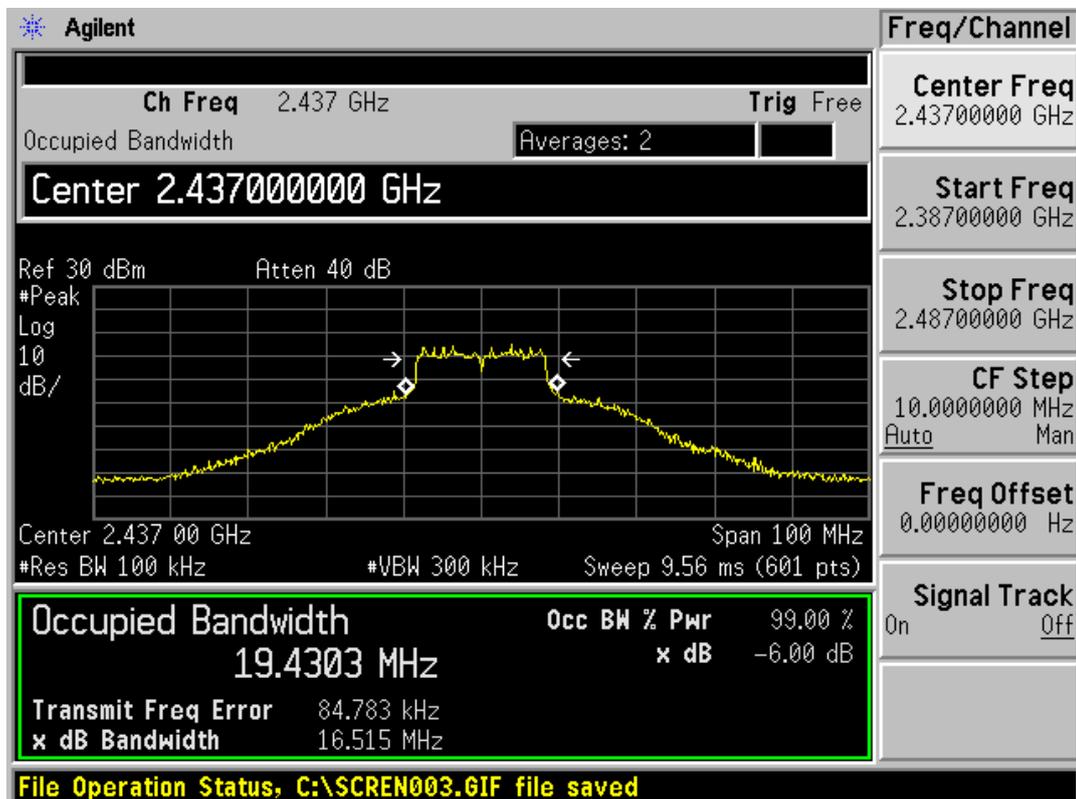
802.11b, Carrier frequency (MHz): 2462

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802.11g

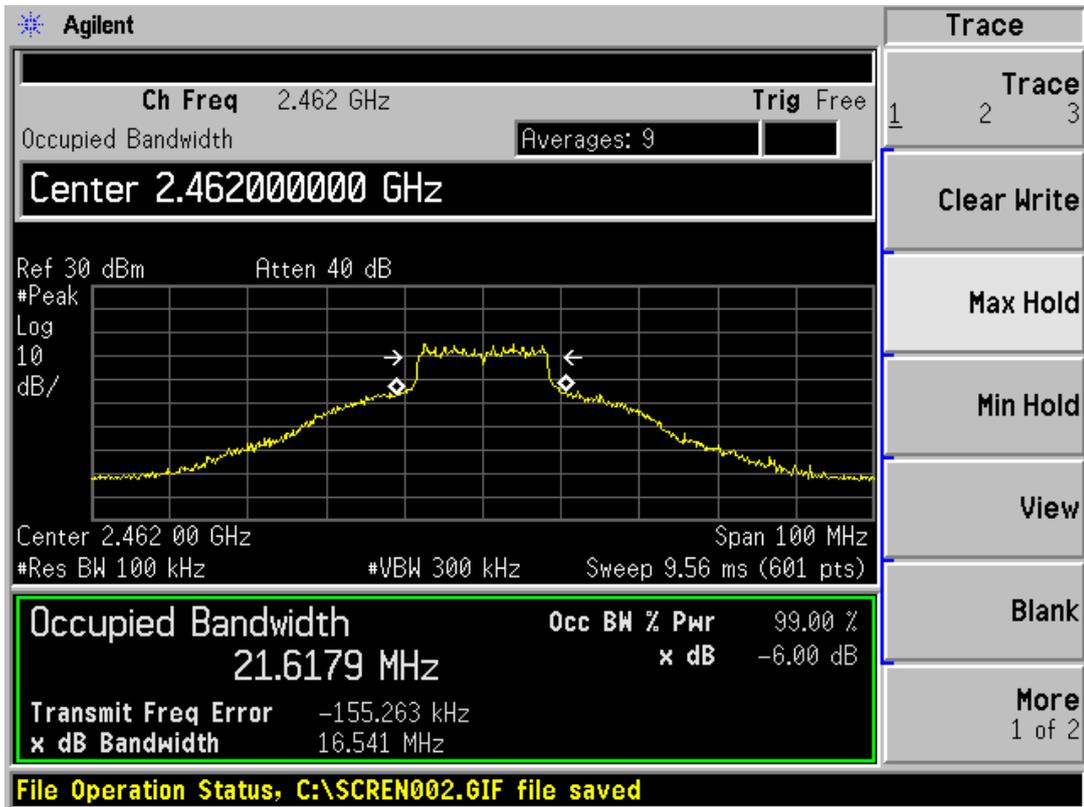


802.11g, Carrier frequency (MHz): 2412



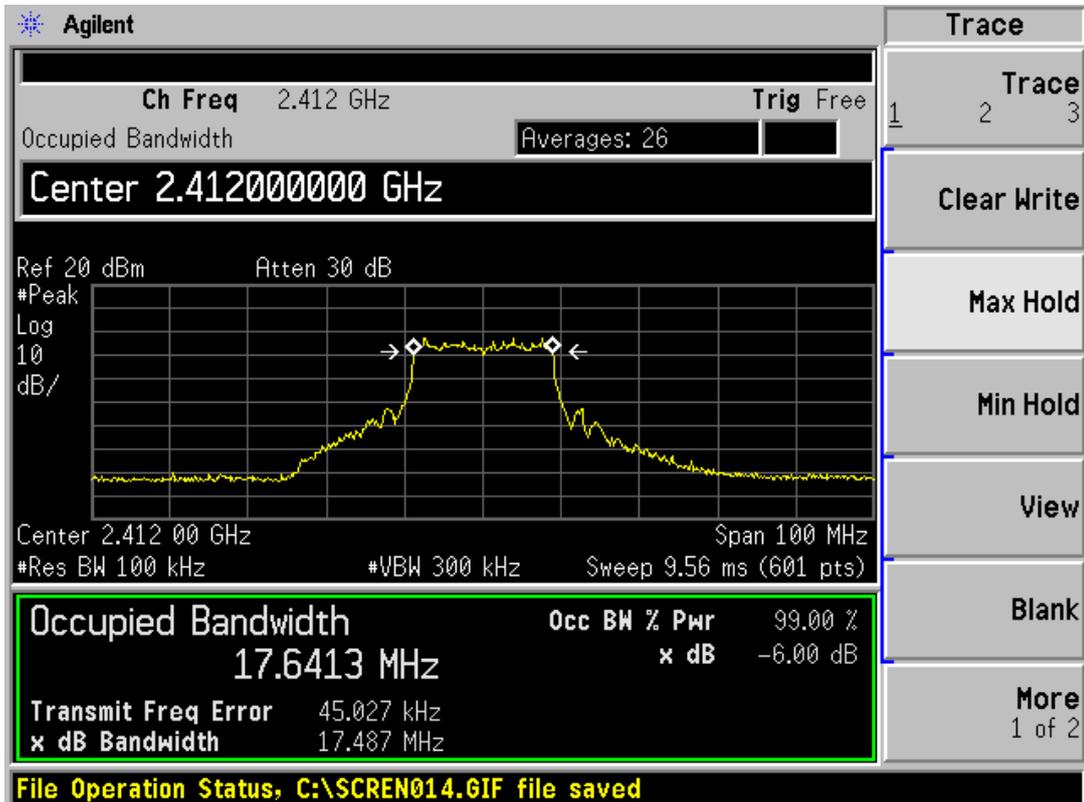
802.11g, Carrier frequency (MHz): 2437

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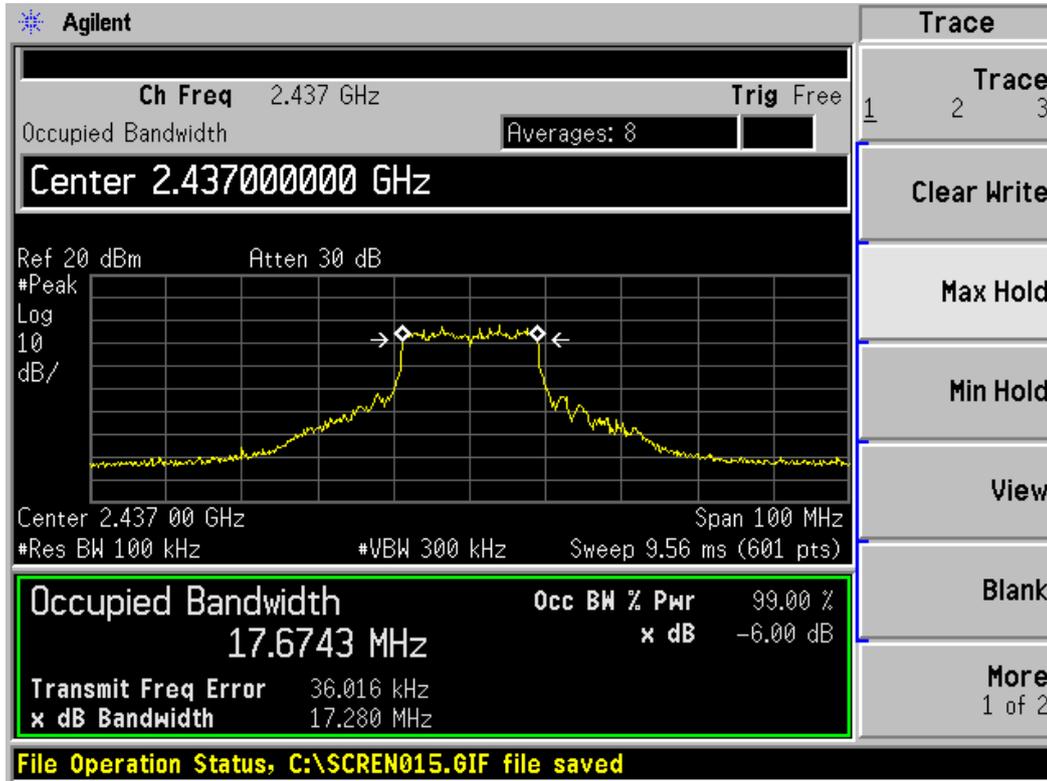
802.11g, Carrier frequency (MHz):2462

802.11n

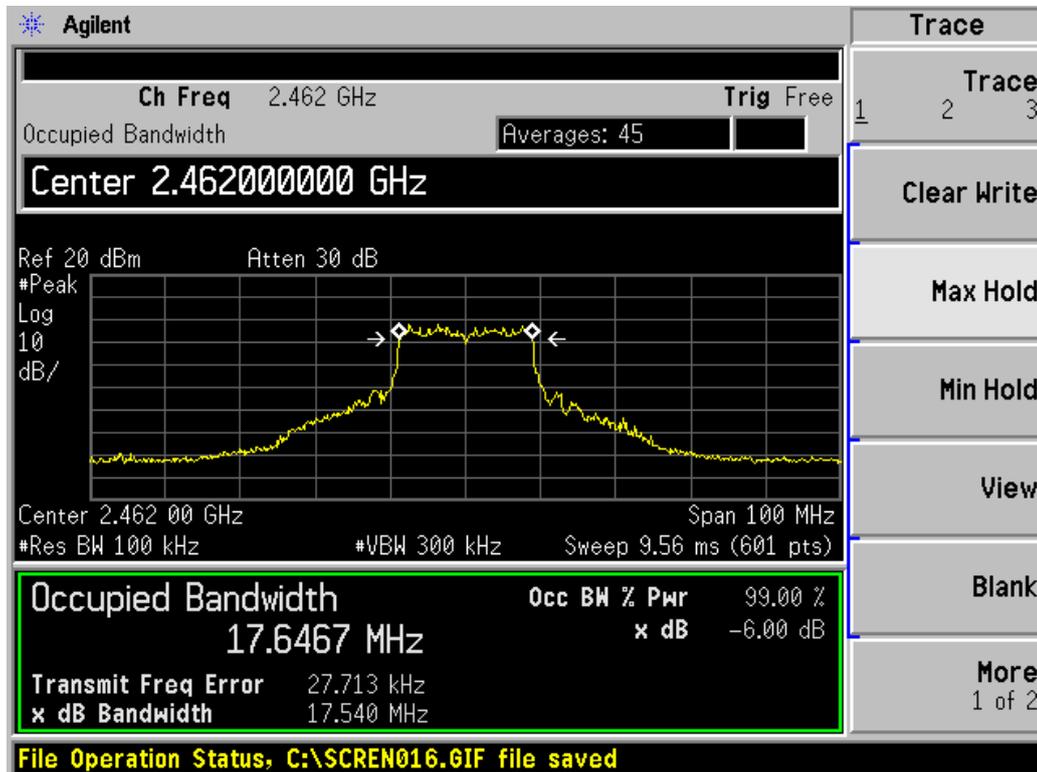


802.11n, Carrier frequency (MHz): 2412

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802.11n, Carrier frequency (MHz): 2437



802.11n, Carrier frequency (MHz): 2462

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2.4. Band Edge Compliance

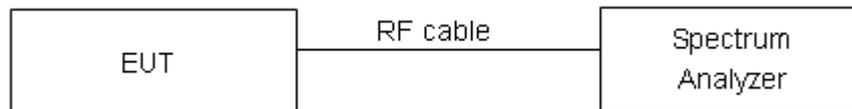
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable the band edge of the lowest and highest channels were measured. The peak detector is used and RBW is set to 100kHz and VBW is set to 300kHz on spectrum analyzer. Spectrum analyzer plots are included on the following pages.

Test Setup



Limits

Rule Part 15.247(d) specifies that “In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.”

Limit	≥ 20 dB
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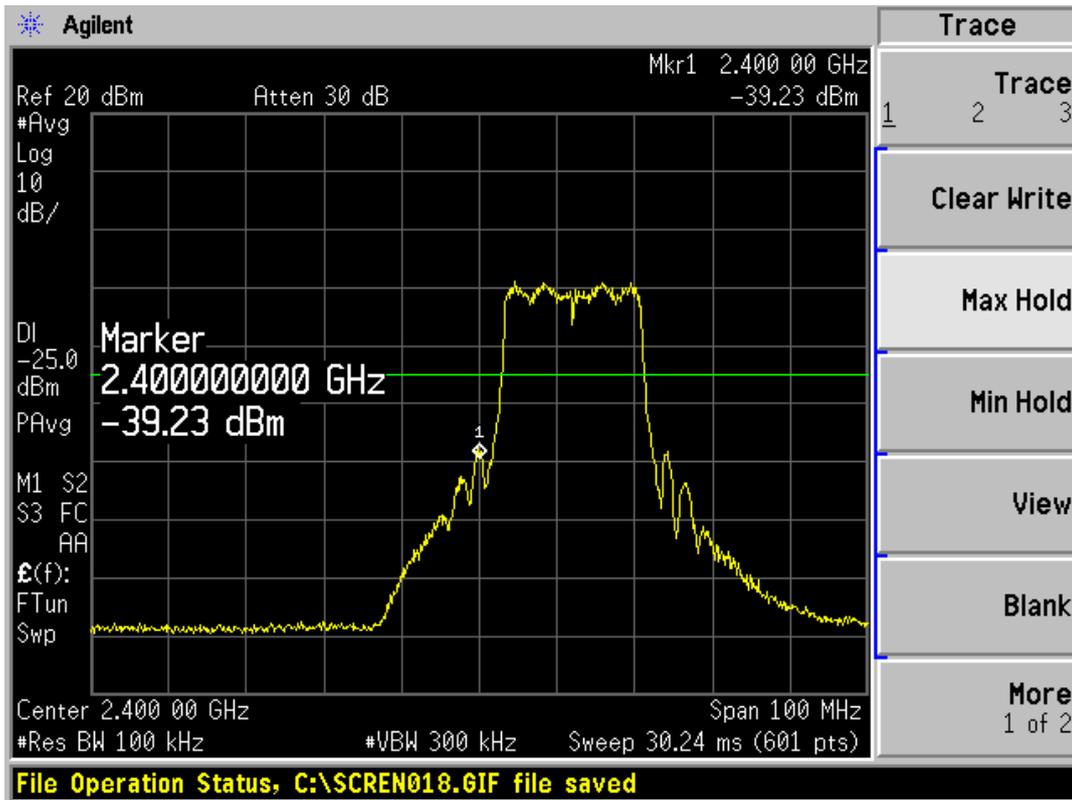
Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

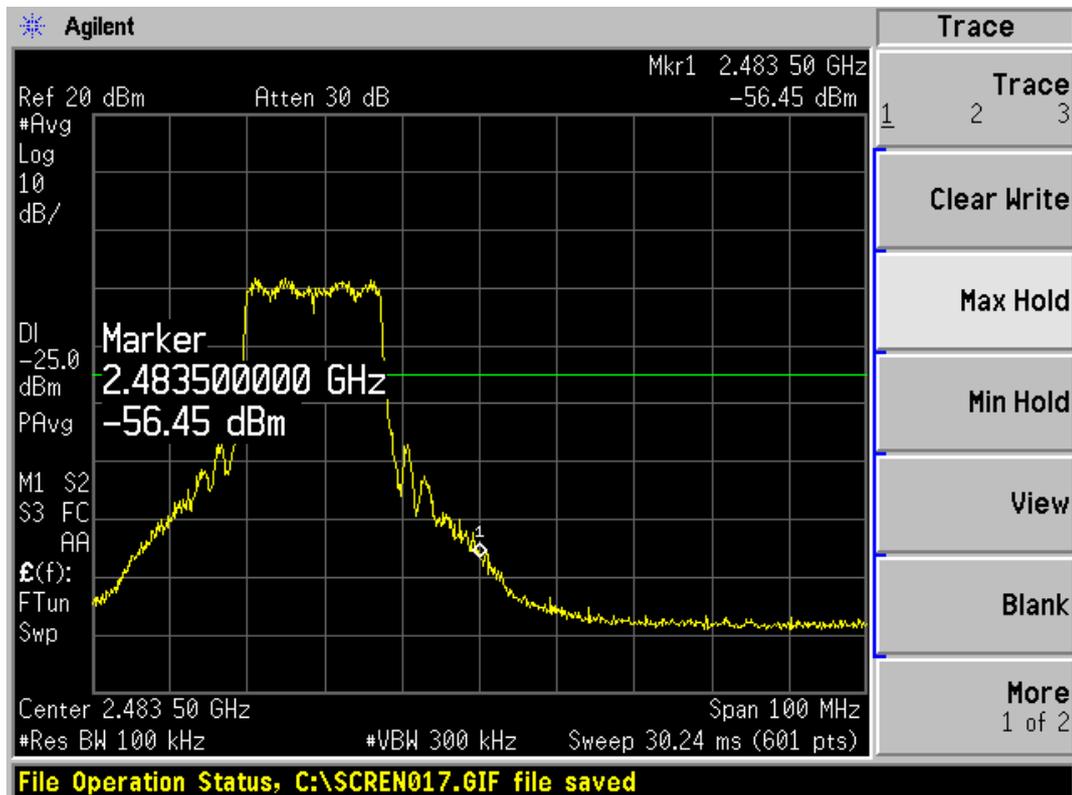
Frequency	Uncertainty
2GHz-3GHz	1.407 dB

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802.11n



802.11n, Channel No.: 1



802.11n, Channel No.: 11

2.5. Spurious Radiated Emissions in the restricted band

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. RBW is set to 100kHz. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.

Set the spectrum analyzer in the following:

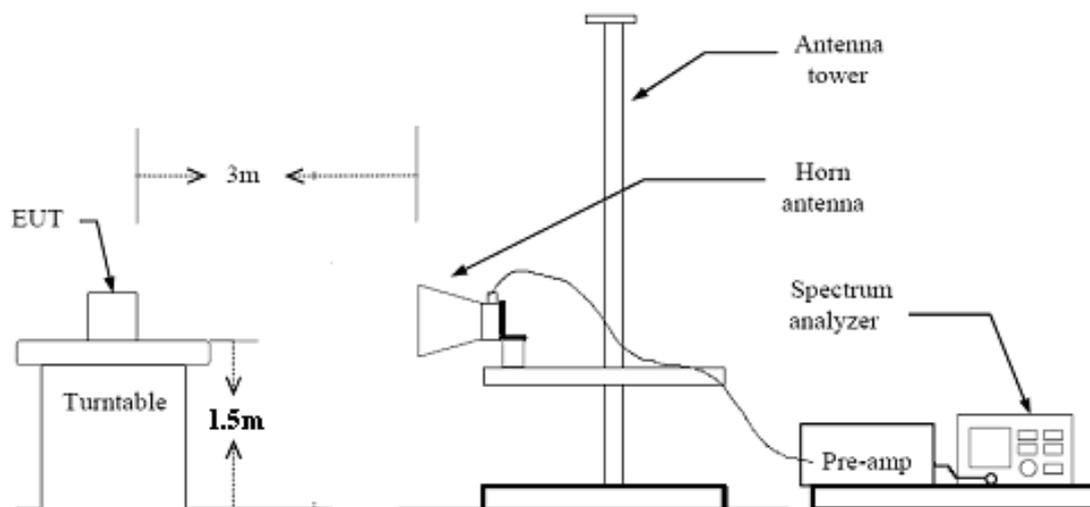
- (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
- (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO

This setting method can refer to **KDB 558074**.

EUT in X-axis orientation is the worst case, the test is only for this case.

The test is in transmit mode.

Test setup



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Limits

Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41			

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
Above960	500	54

§15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Peak Limit=74 dBuV/m

Average Limit=54 dBuV/m

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U = 3.55$ dB.

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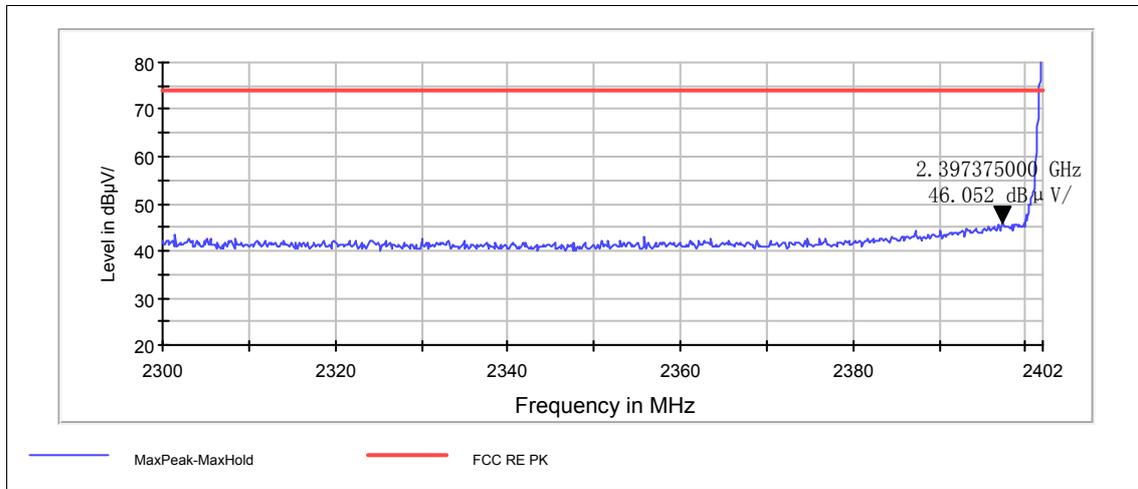
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Test Results: PASS

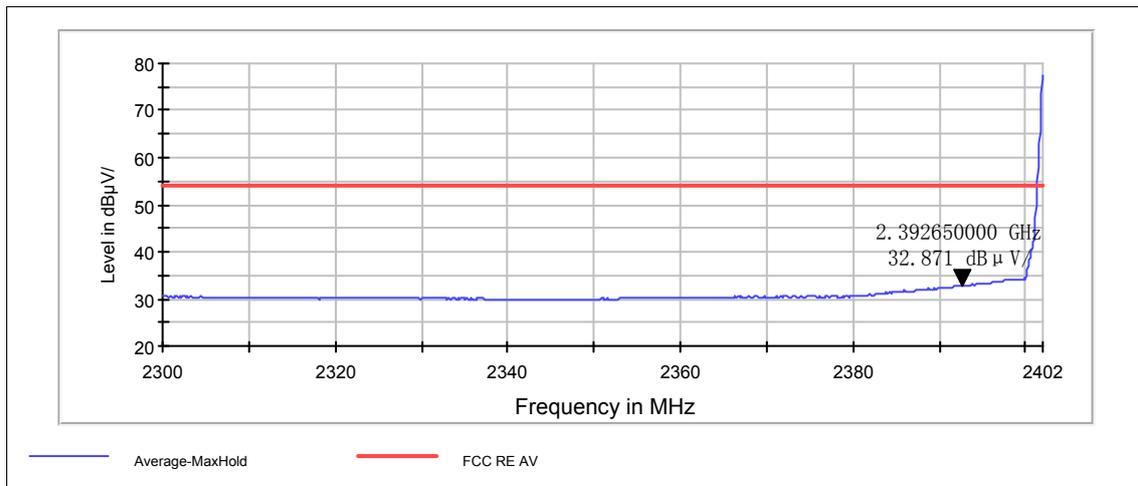
802.11b-Channel 1:

Peak



Note: The signal beyond the limit is carrier
Channel 1

Average

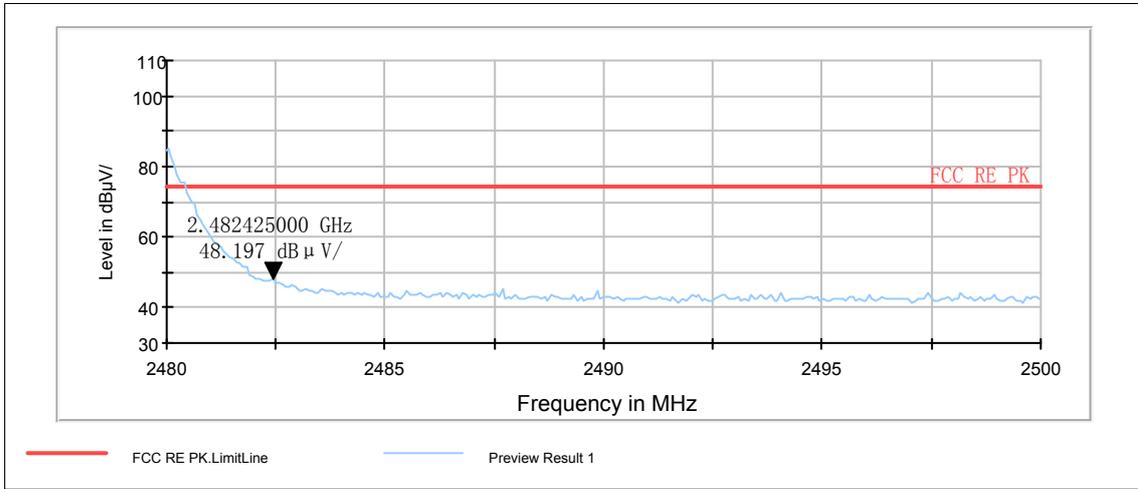


Note: The signal beyond the limit is carrier
Channel 1

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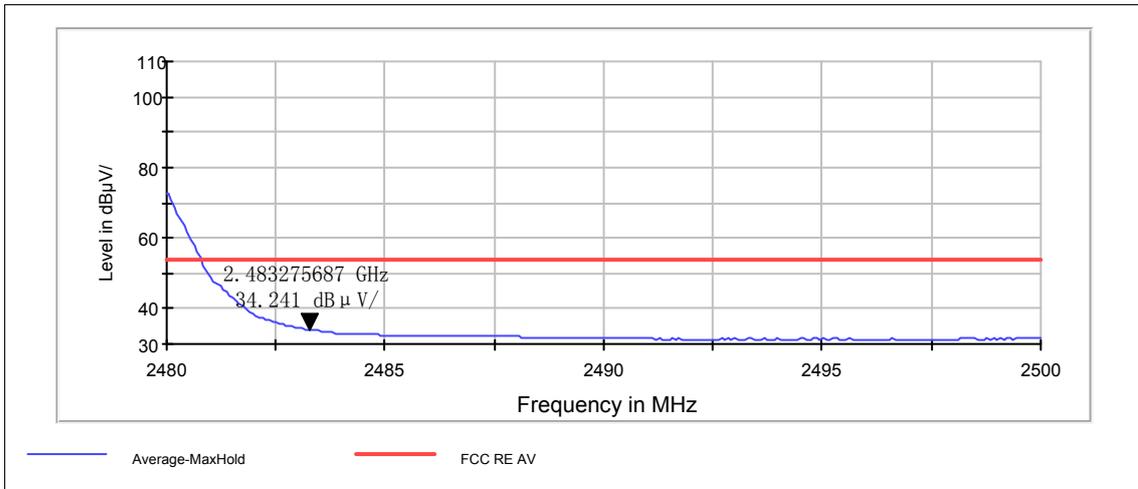
802.11b-Channel 11:

Peak



Note: The signal beyond the limit is carrier
Channel 11

Average

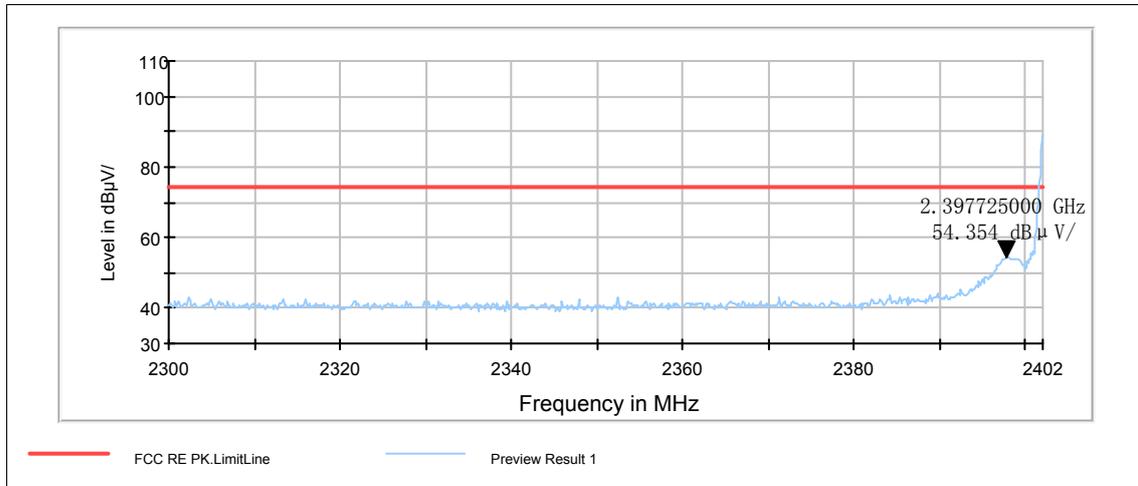


Note: The signal beyond the limit is carrier
Channel 11

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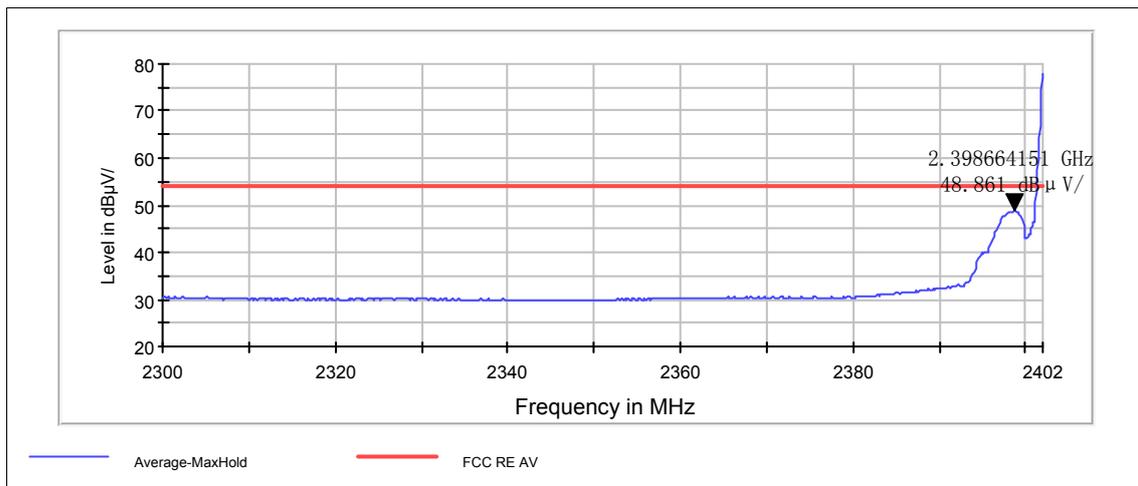
802.11g-Channel 1:

Peak



Note: The signal beyond the limit is carrier
Channel 1

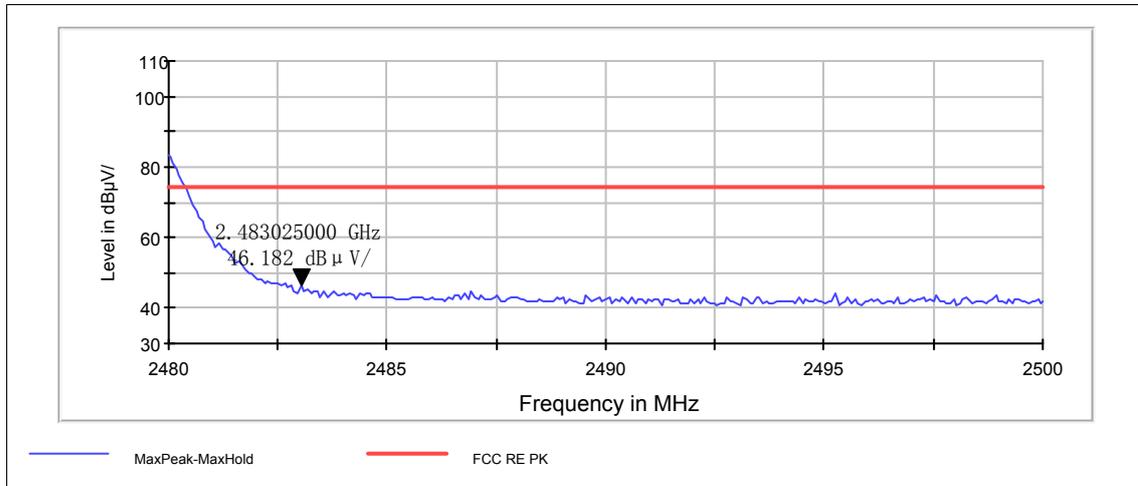
Average



Note: The signal beyond the limit is carrier
Channel 1

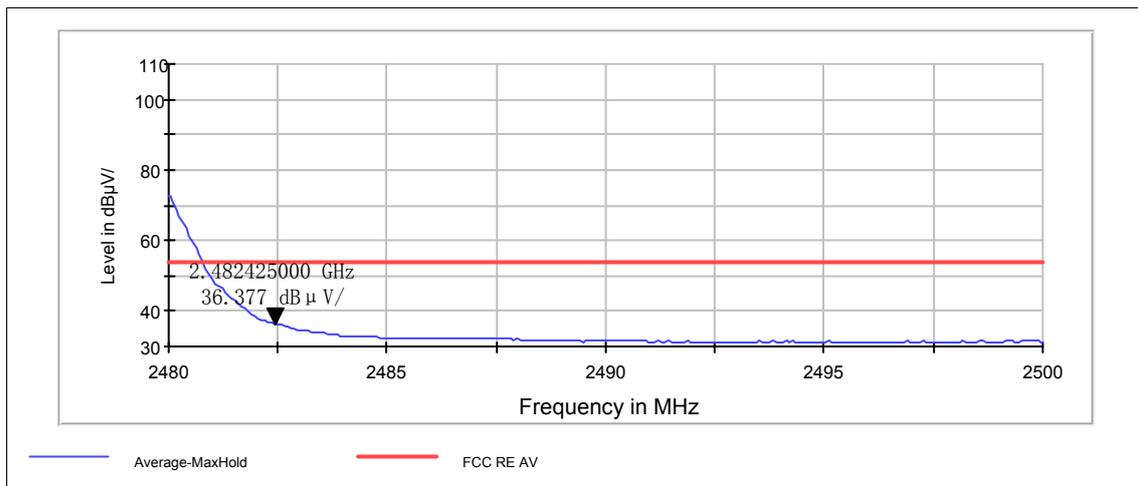
802.11g-Channel 11:

Peak



Note: The signal beyond the limit is carrier
Channel 11

Average

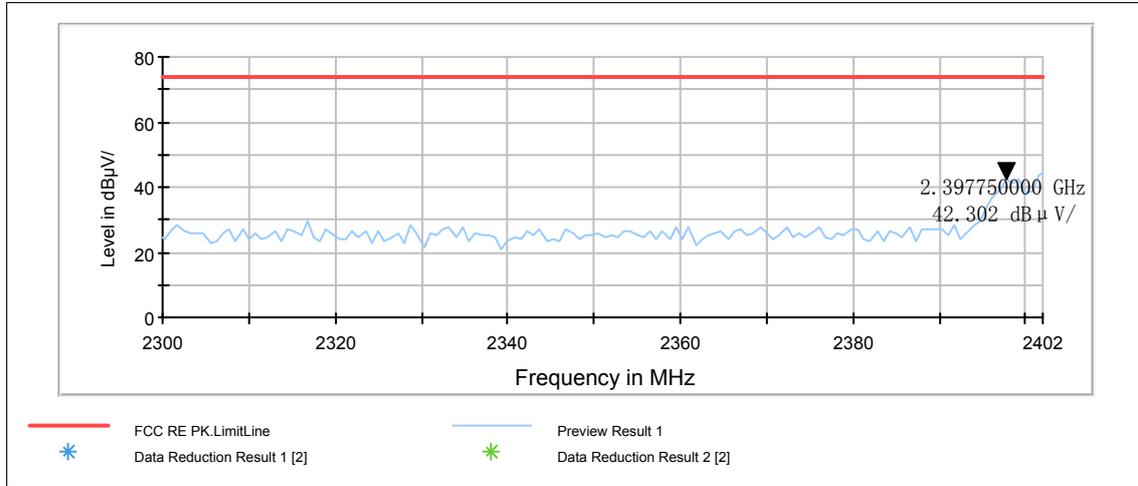


Note: The signal beyond the limit is carrier
Channel 11

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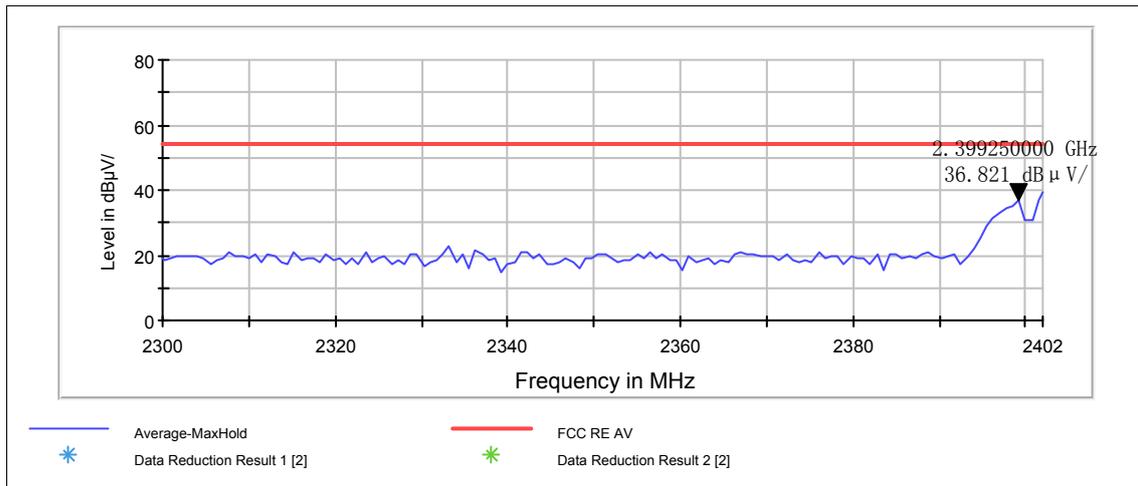
802.11n-Channel 1:

Peak



Note: The signal beyond the limit is carrier
Channel 1

Average

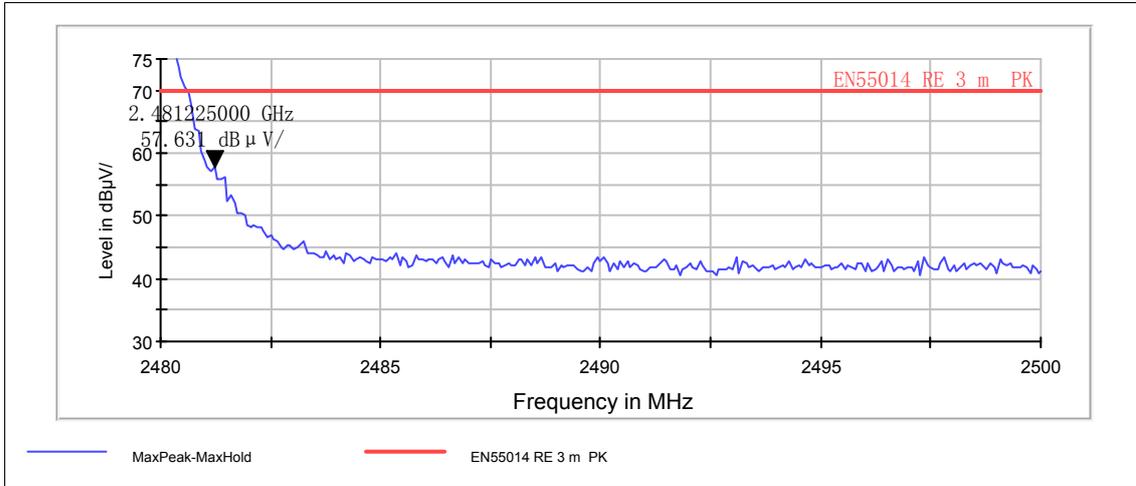


Note: The signal beyond the limit is carrier
Channel 1

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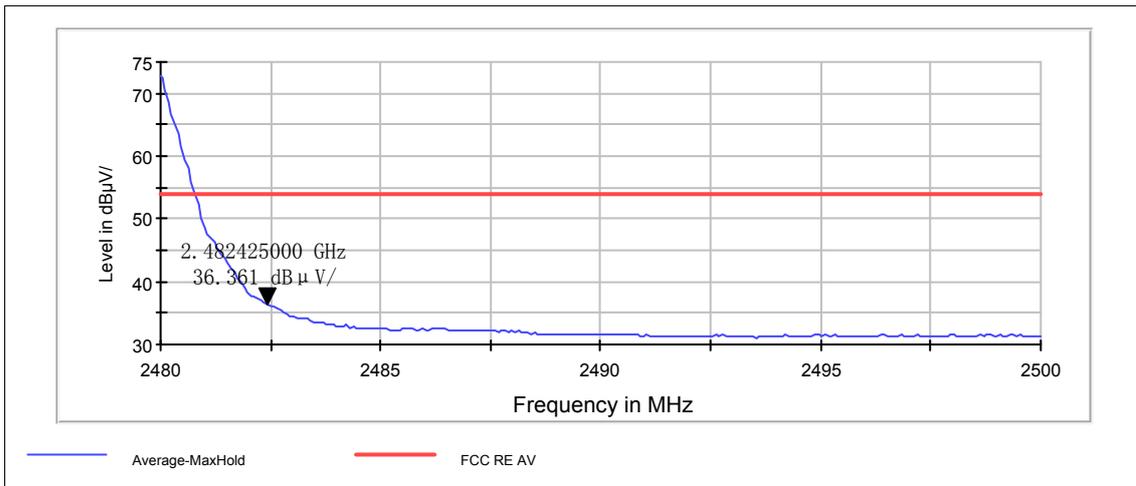
802.11n-Channel 11:

Peak



Note: The signal beyond the limit is carrier
Channel 11

Average



Note: The signal beyond the limit is carrier
Channel 11

2.6. Power Spectral Density

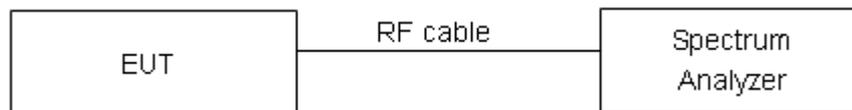
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable. RBW is set to 3kHz and VBW is set to 30kHz on spectrum analyzer. Set the span is 300kHz and the sweep time is 100s. The peak power spectral density is recorded.

Test setup



Limits

Rule Part 15.247(e) specifies that " For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. "

Limits	$\leq 8 \text{ dBm} / 3\text{kHz}$
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Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.75\text{dB}$.

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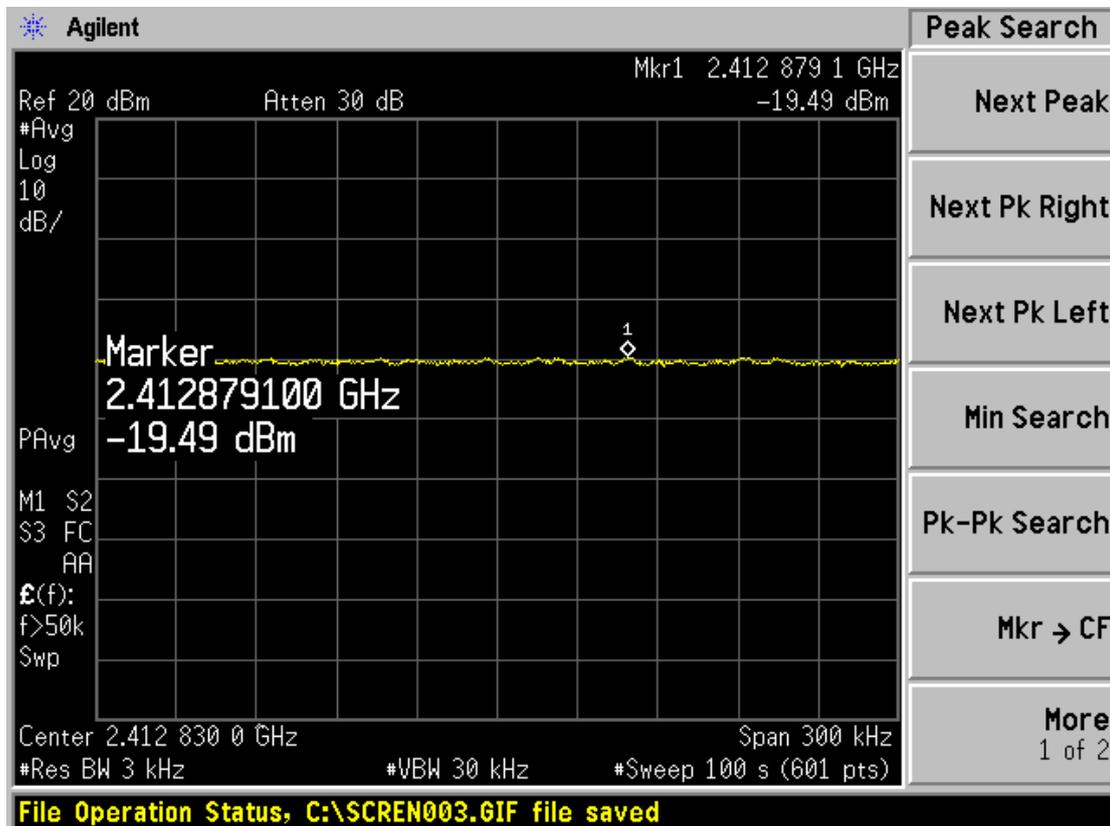
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Test Results:

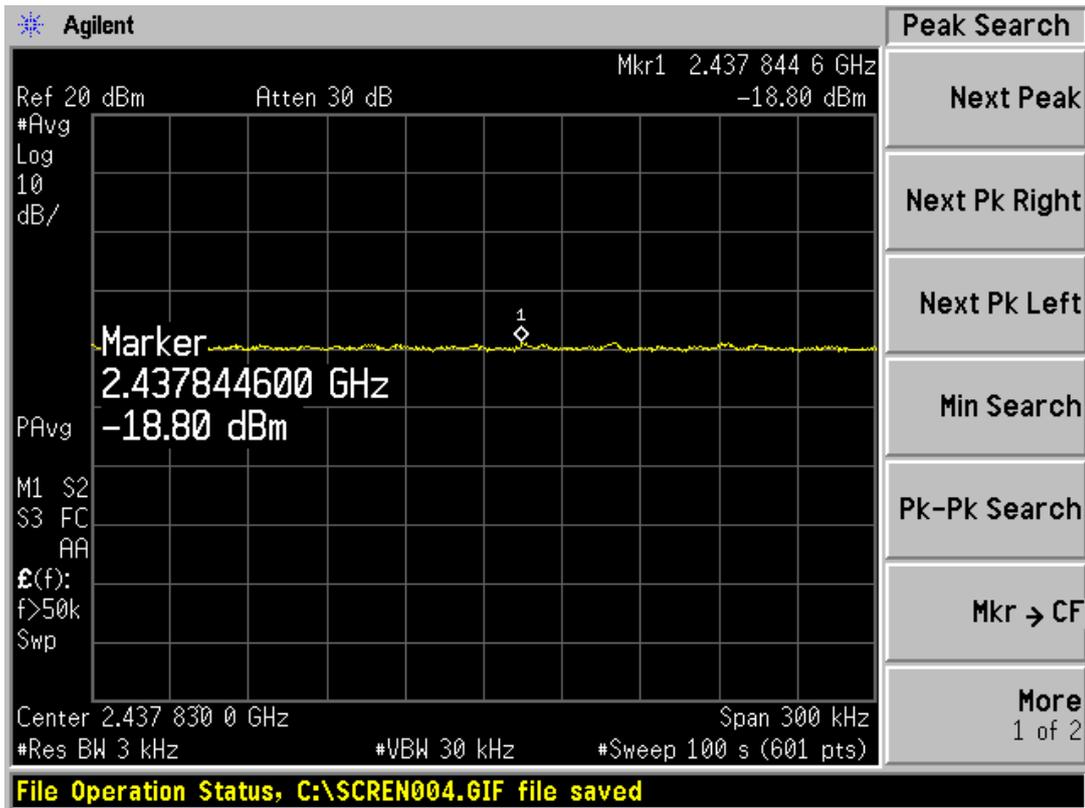
Network Standards	Channel Number	Power Spectral Density dBm / 3kHz	Conclusion
802.11b	1	-19.49	PASS
	6	-18.80	PASS
	11	-19.62	PASS
802.11g	1	-24.32	PASS
	6	-23.98	PASS
	11	-24.59	PASS
802.11n HT20	1	-28.98	PASS
	6	-28.60	PASS
	11	-29.18	PASS

802.11b

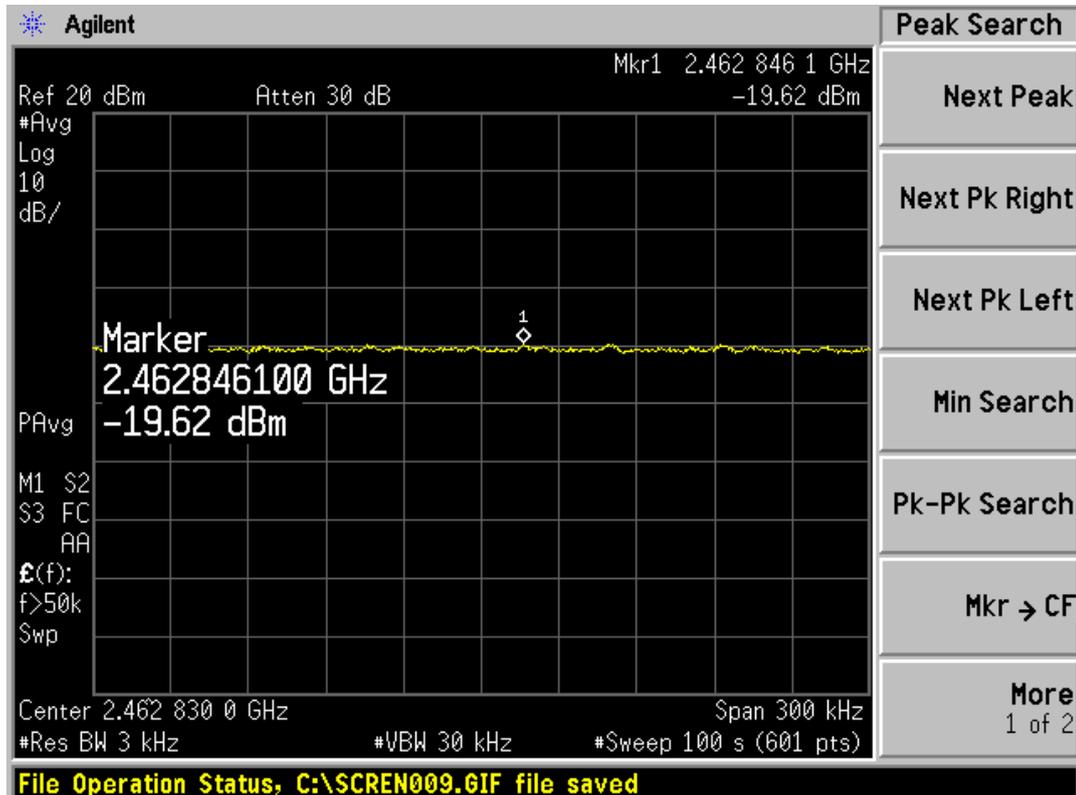


802.11b, Channel No.: 1

TA Technology (Shanghai) Co., Ltd. Test Report



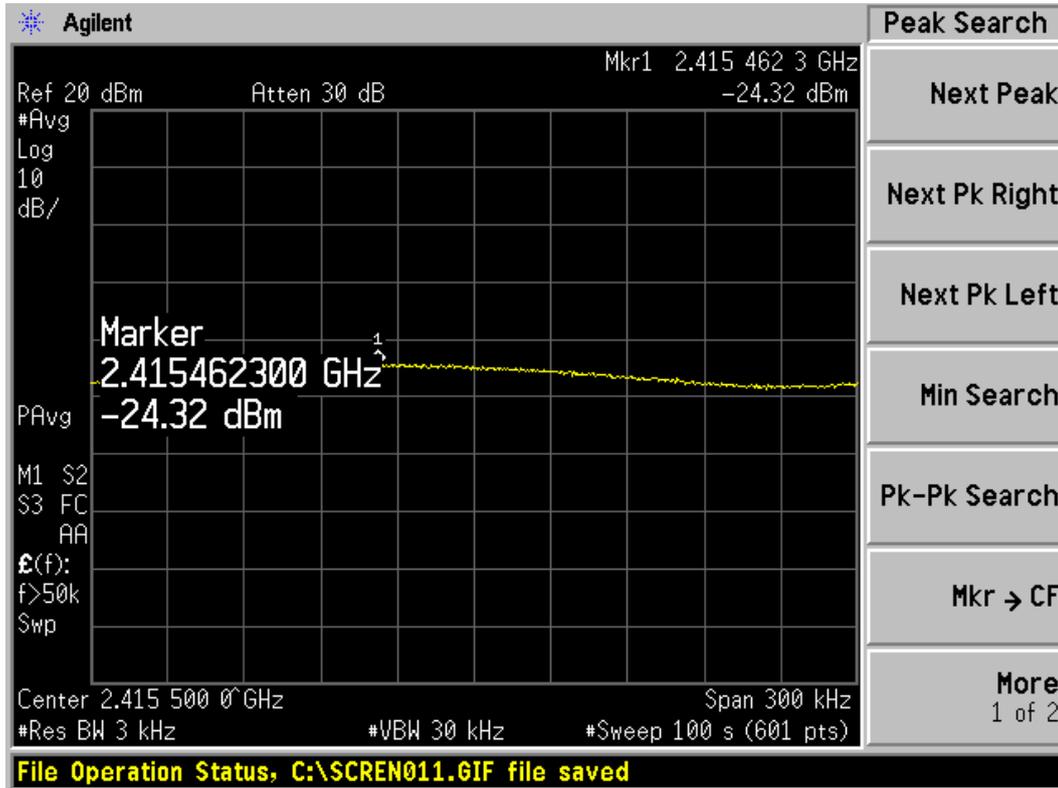
802.11b, Channel No.: 6



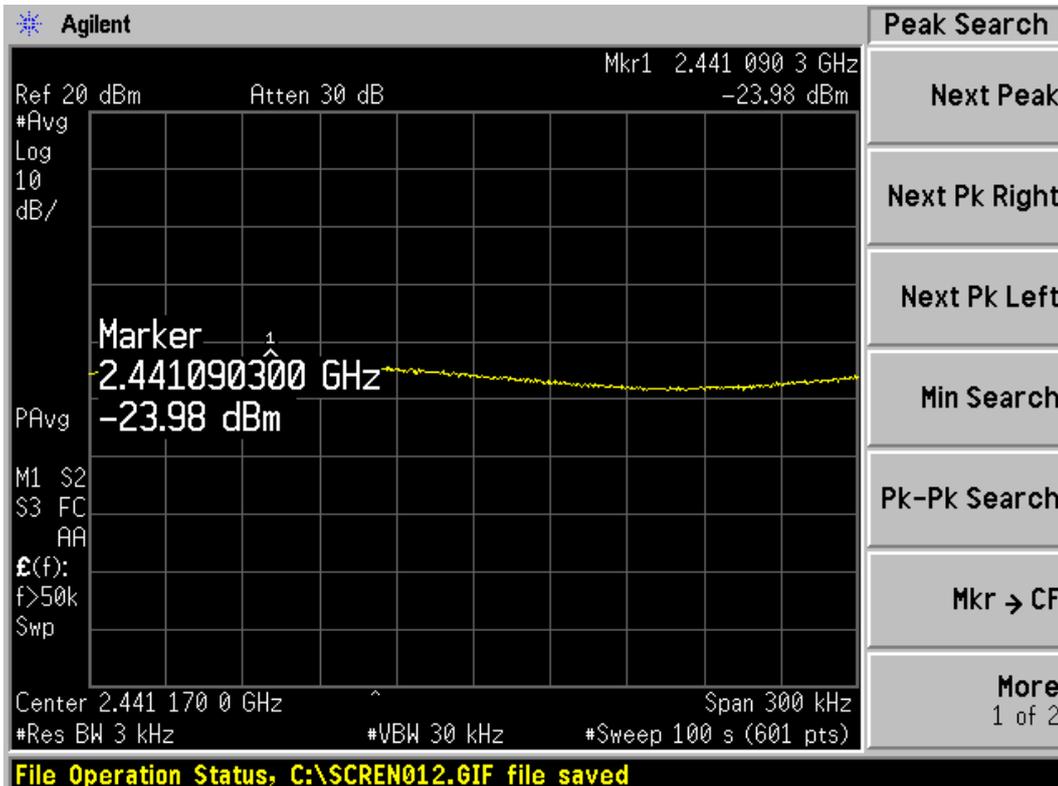
802.11b, Channel No.: 11

TA Technology (Shanghai) Co., Ltd. Test Report

802.11g



802.11g, Channal No.: 1

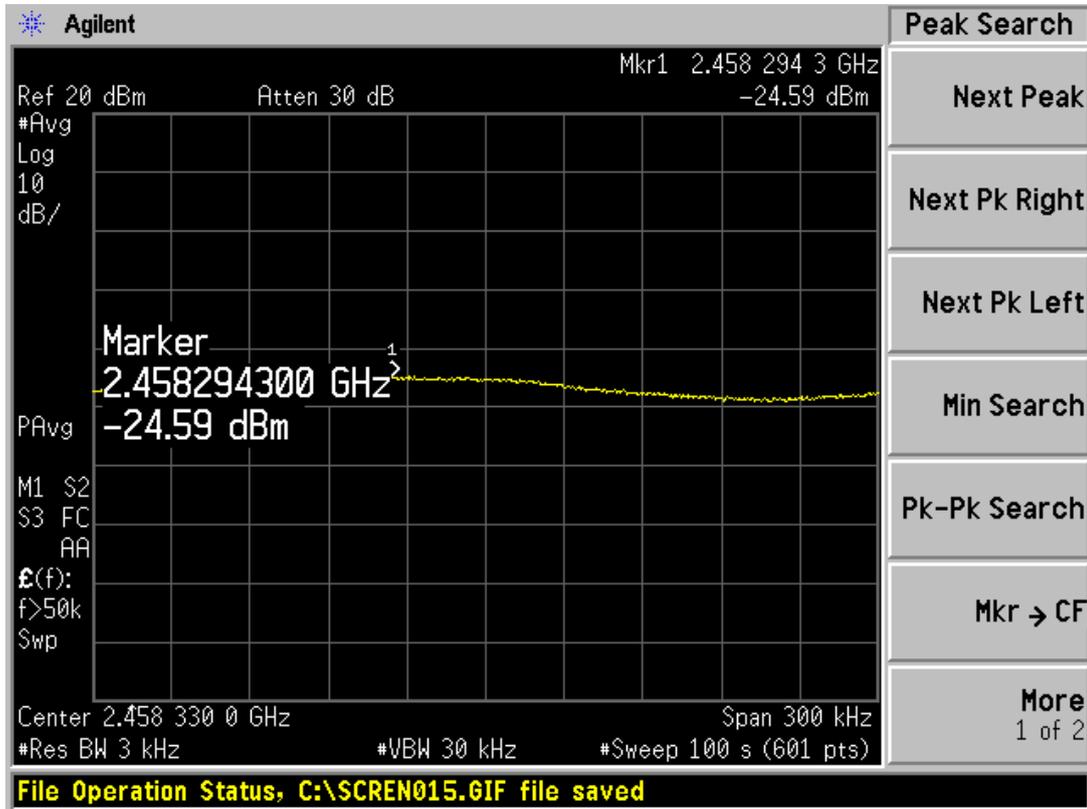


802.11g, Channal No.: 6

TA Technology (Shanghai) Co., Ltd. Test Report

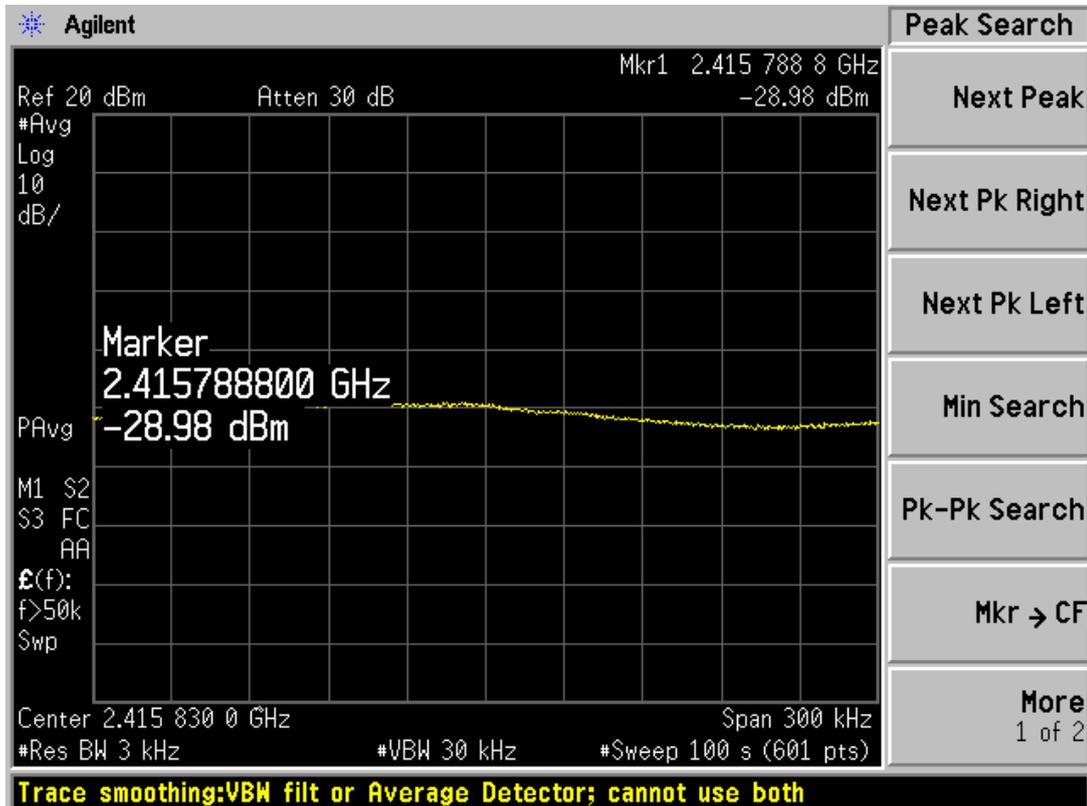
Report No.: RZA1106-1068RF03R1

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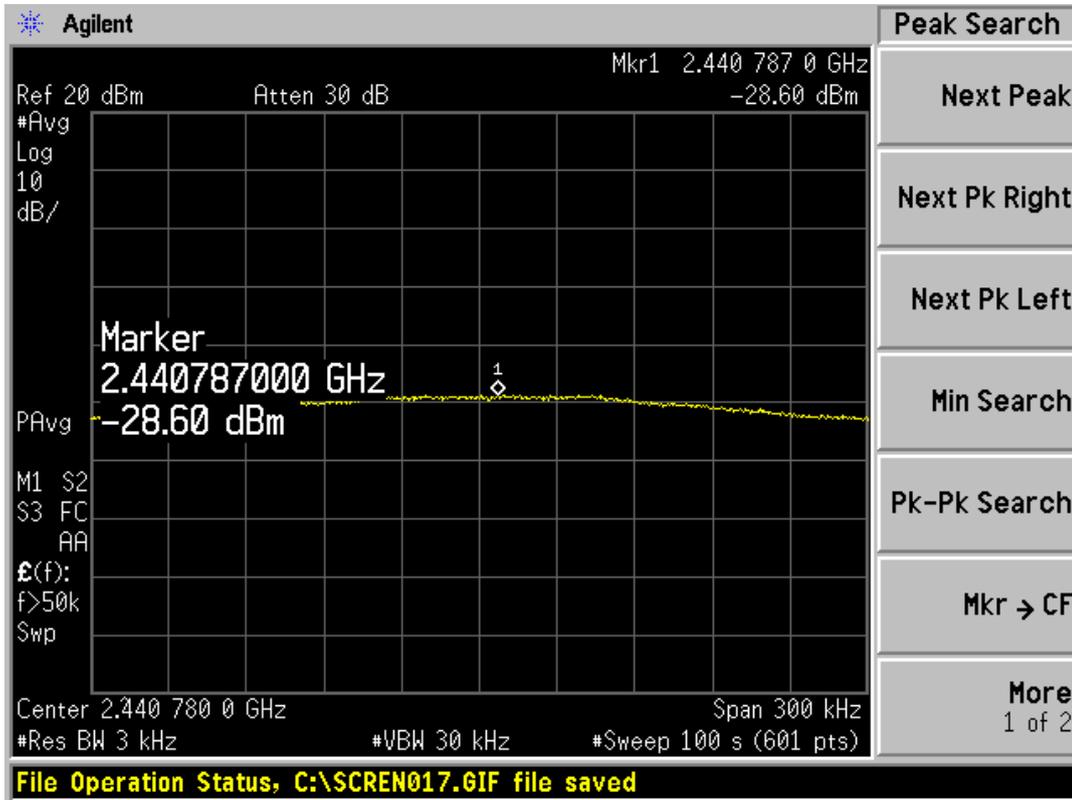
802.11g, Channel No.: 11

802.11n

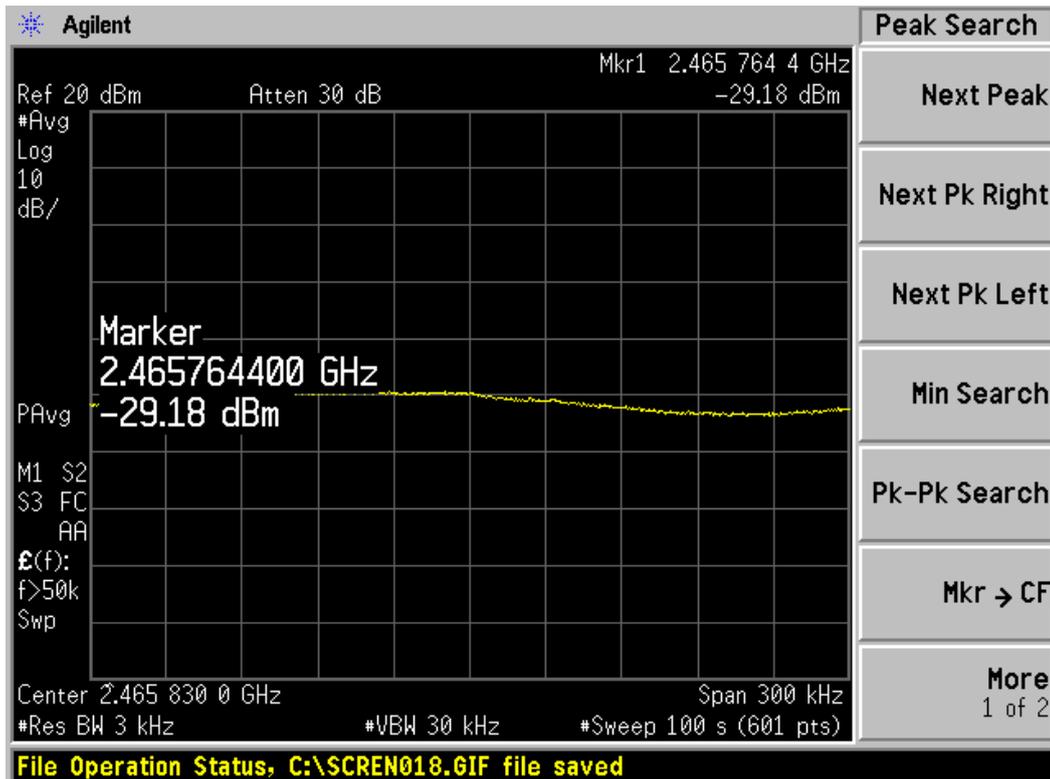


802.11n, Channel No.: 1

TA Technology (Shanghai) Co., Ltd. Test Report



802.11n, Channel No.: 6



802.11n, Channel No.: 11

2.7. Spurious RF Conducted Emissions

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to the spectrum analyzer and Bluetooth test set via a power splitter with a known loss. The spectrum analyzer scans from 30MHz to 26.5GHz. The peak detector is used. RBW and VBW are set to 100 kHz, Sweep is set to ATUO.

The test is in transmit mode.

Test setup



Limits

Rule Part 15.247(d) specifies that “In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.”

Network Standards	Carrier frequency (MHz)	Reference value (dBm)	Limit
802.11b	2412	14.84	≤-5.16
	2437	13.21	≤-6.79
	2462	13.63	≤-6.37
802.11g	2412	12.47	≤-7.53
	2437	12.79	≤-7.21
	2462	13.15	≤-6.85
802.11n HT20	2412	8.08	≤-11.92
	2437	8.28	≤-11.72
	2462	8.89	≤-11.11

TA Technology (Shanghai) Co., Ltd.
Test Report

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Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

Frequency	Uncertainty
100kHz-2GHz	0.684 dB
2GHz-26.5GHz	1.407 dB

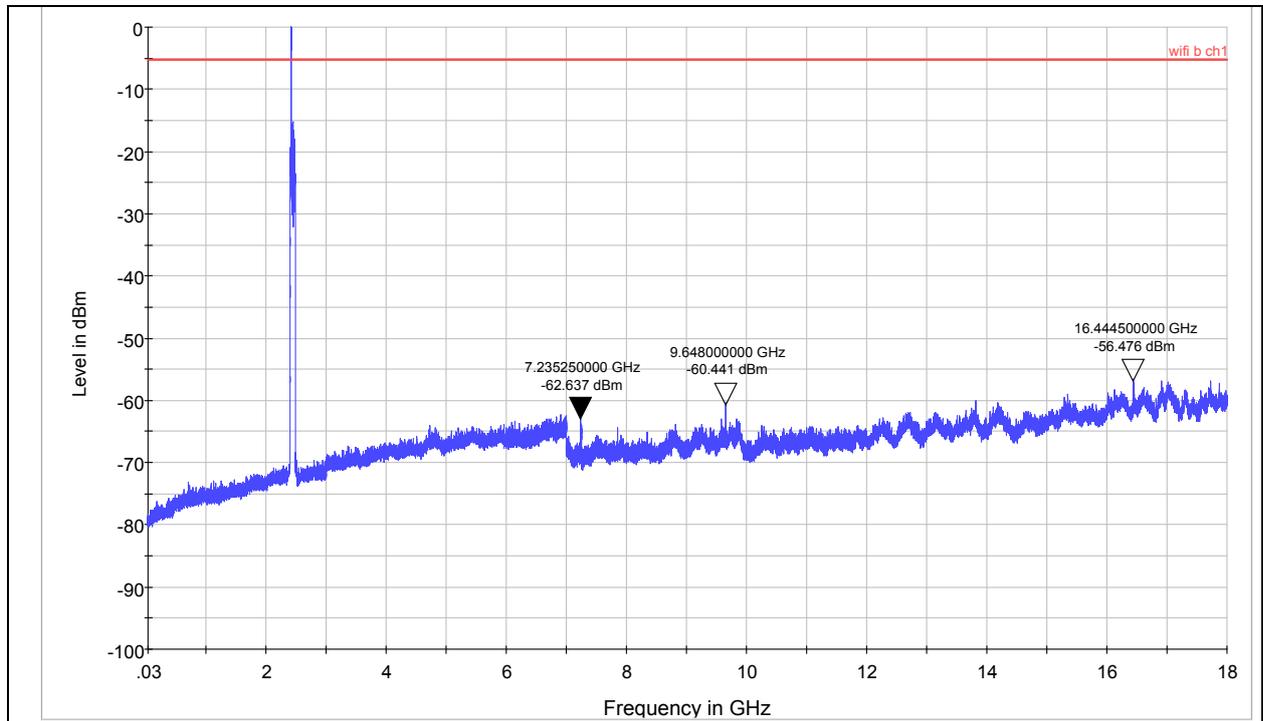
TA Technology (Shanghai) Co., Ltd. Test Report

Report No.: RZA1106-1068RF03R1

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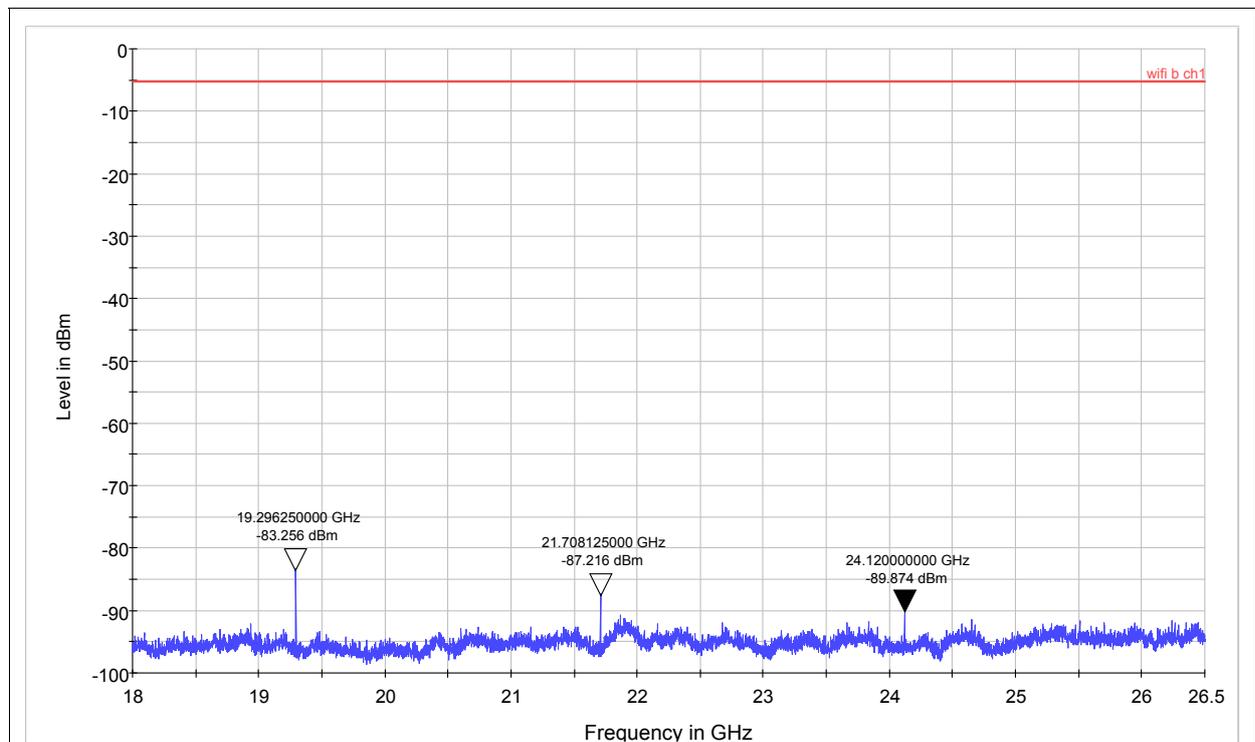
Test Results:

802.11b CH1



Note: The signal beyond the limit is carrier

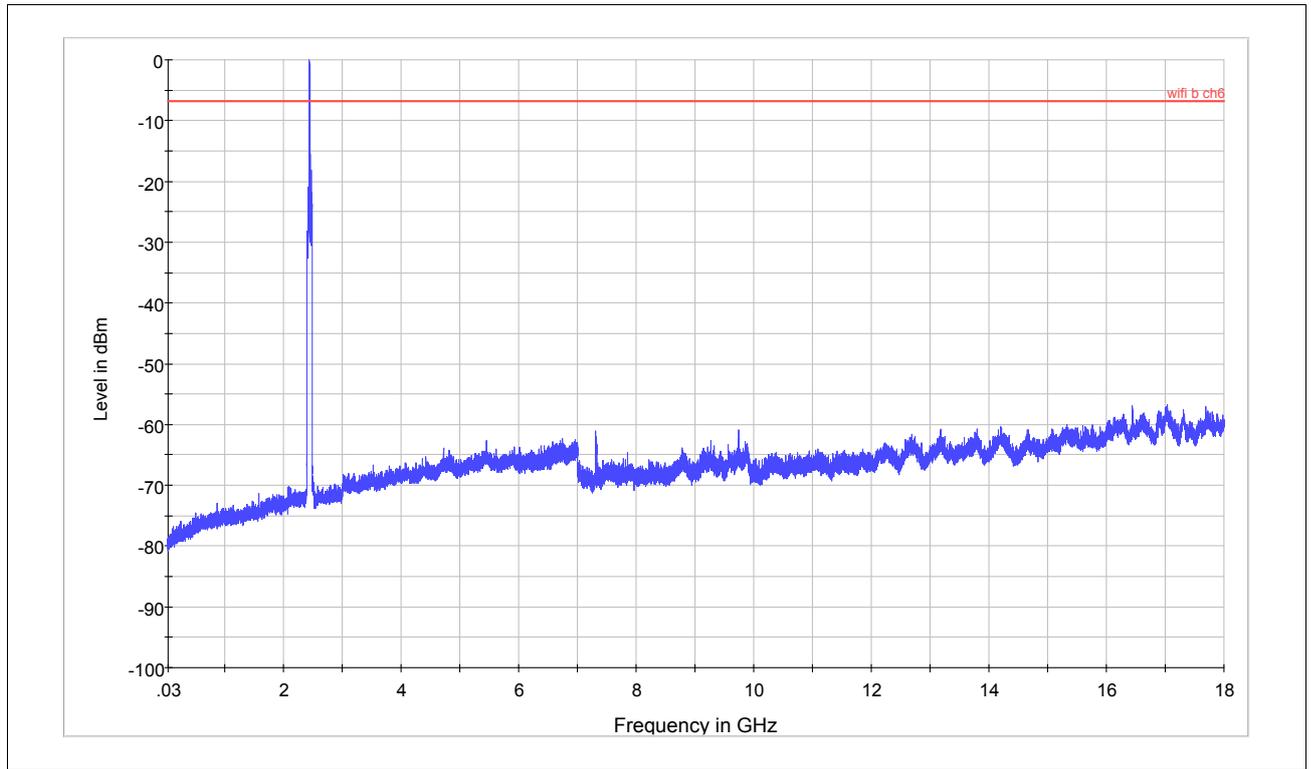
Spurious RF conducted emissions from 30MHz to 18GHz



Spurious RF conducted emissions from 18GHz to 26.5GHz

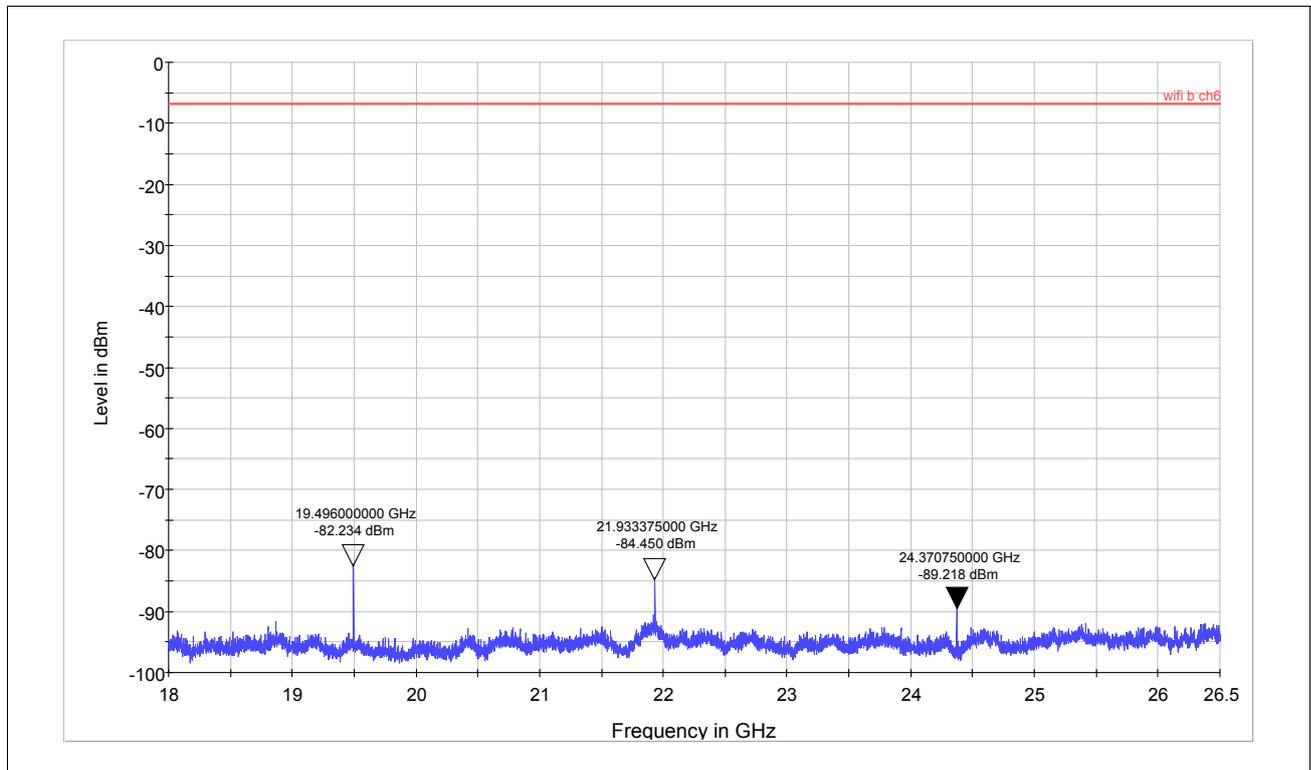
TA Technology (Shanghai) Co., Ltd. Test Report

802.11b CH6



Note: The signal beyond the limit is carrier

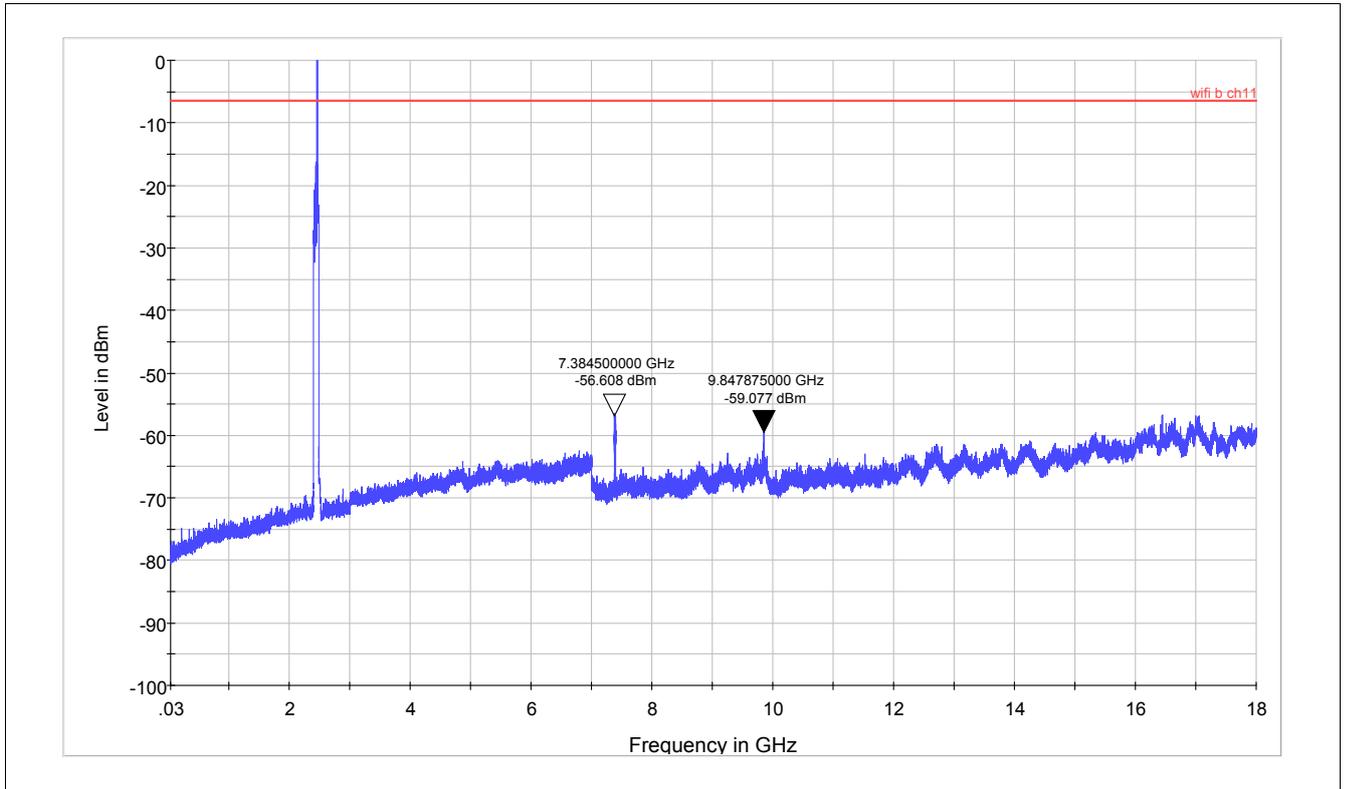
Spurious RF conducted emissions from 30MHz to 18GHz



Spurious RF conducted emissions from 18GHz to 26.5GHz

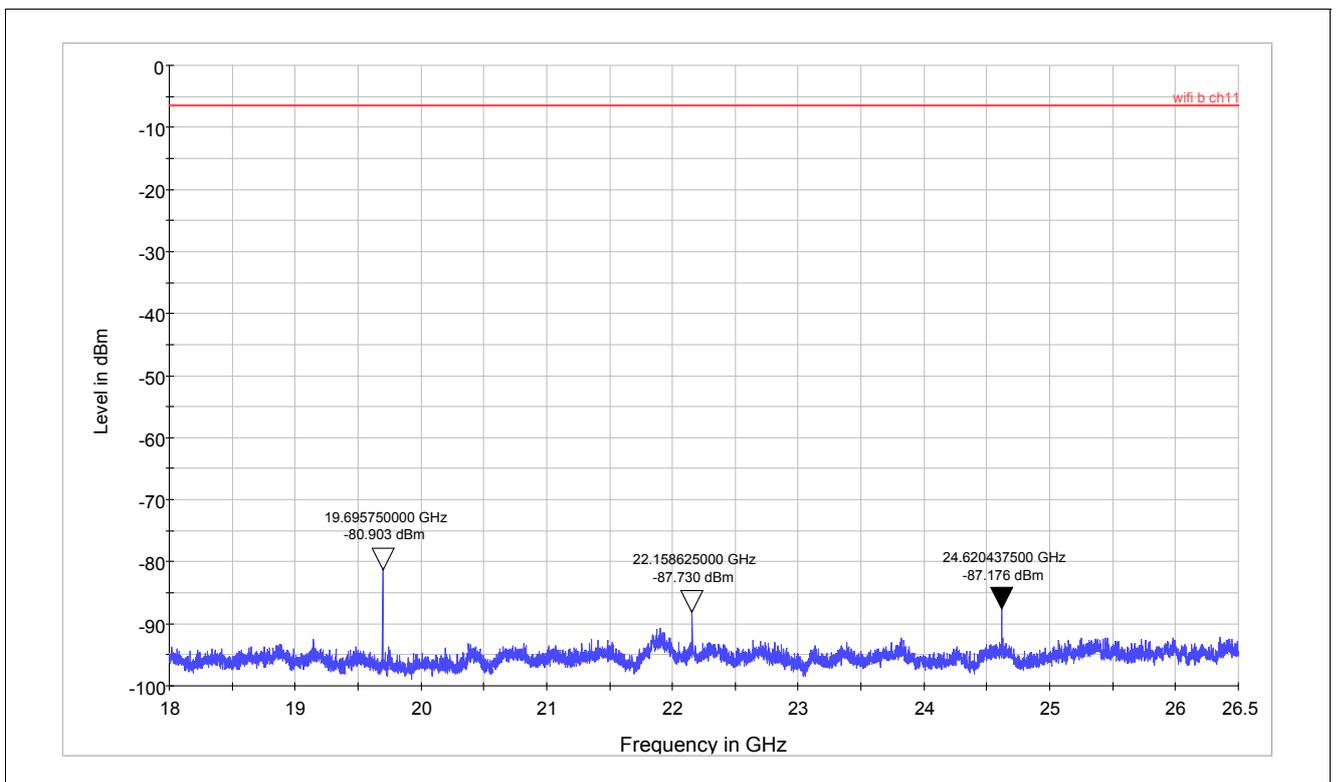
TA Technology (Shanghai) Co., Ltd. Test Report

802.11b CH11



Note: The signal beyond the limit is carrier

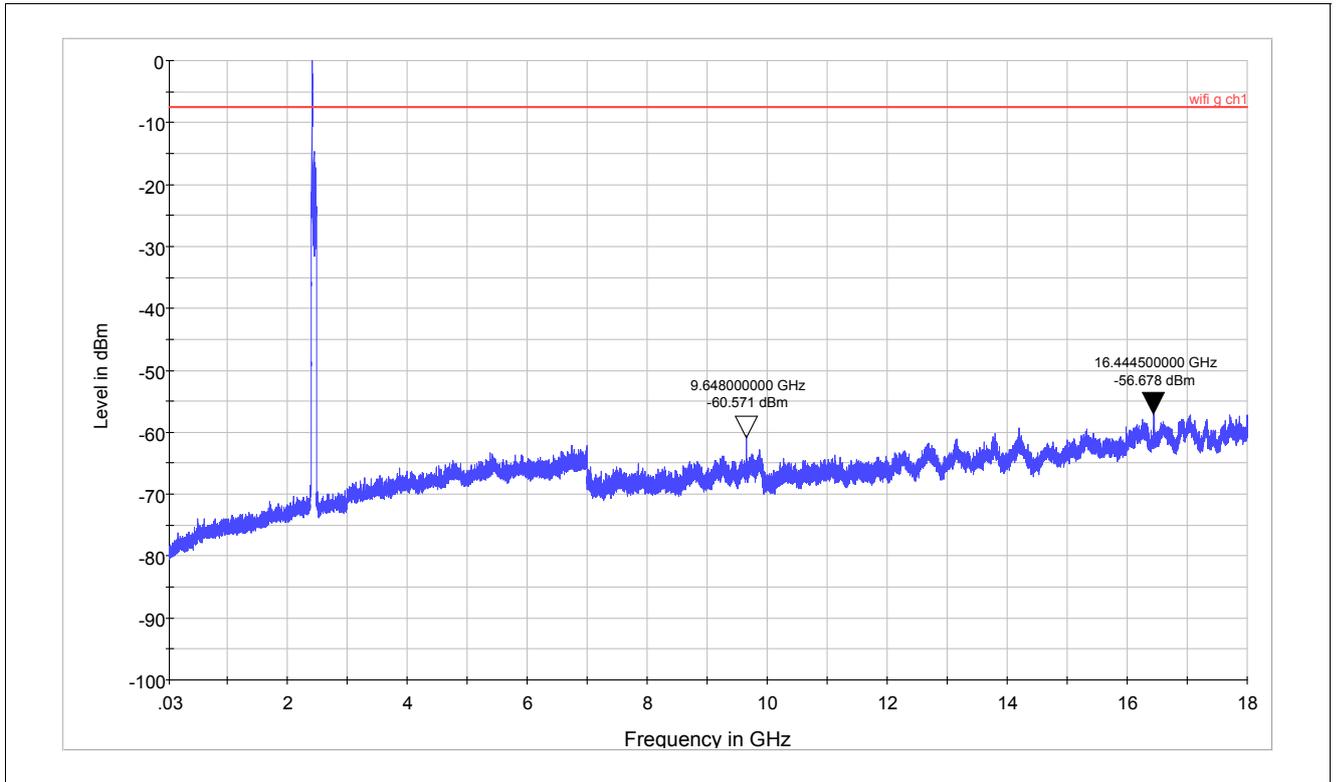
Spurious RF conducted emissions from 30MHz to 18GHz



Spurious RF conducted emissions from 18GHz to 26.5GHz

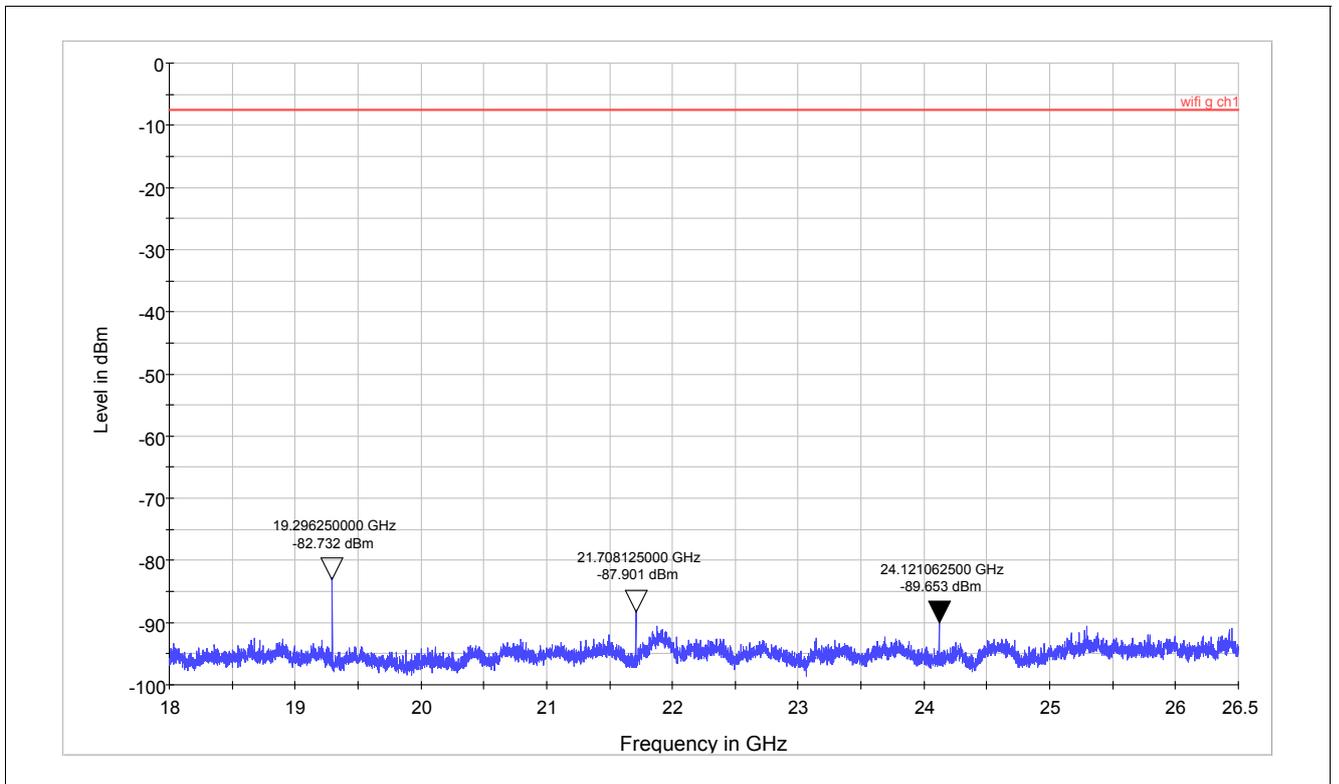
TA Technology (Shanghai) Co., Ltd. Test Report

802.11g CH1



Note: The signal beyond the limit is carrier

Spurious RF conducted emissions from 30MHz to 18GHz



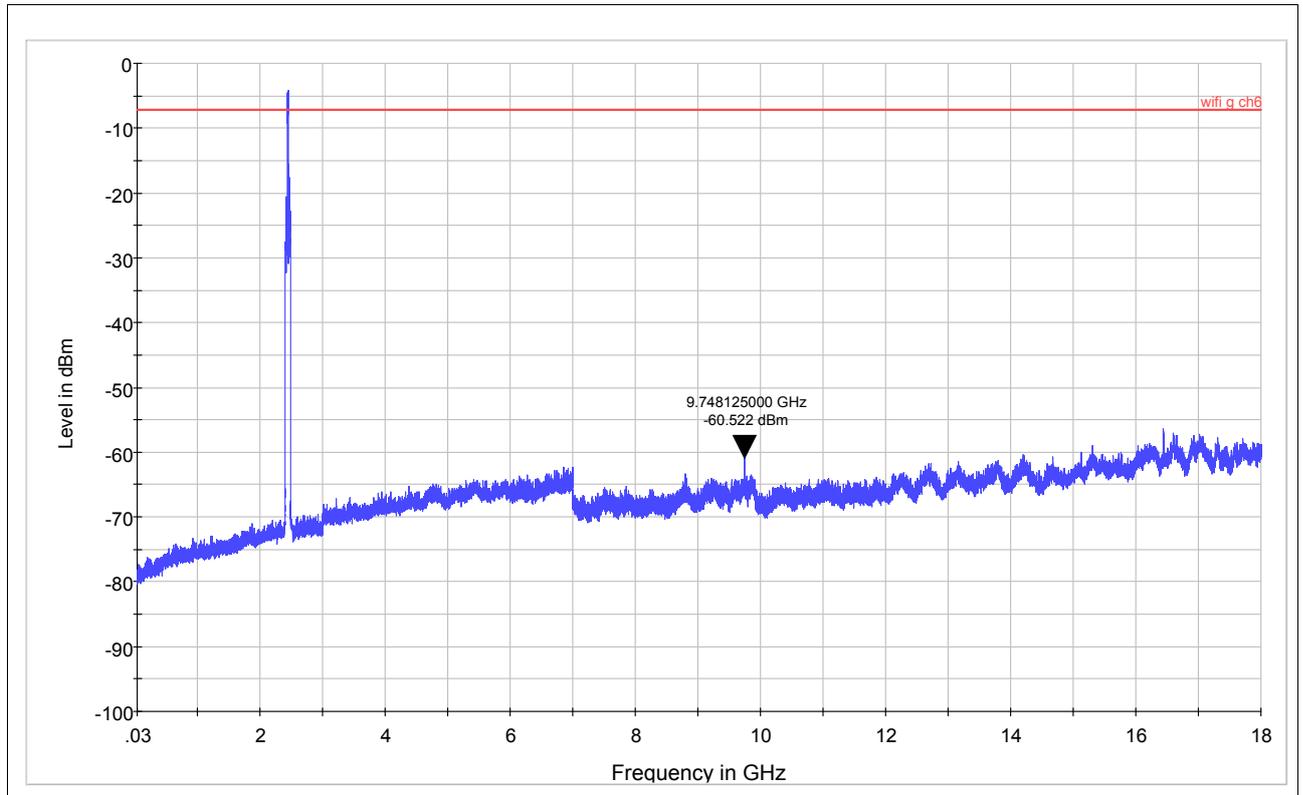
Spurious RF conducted emissions from 18GHz to 26.5GHz

TA Technology (Shanghai) Co., Ltd. Test Report

Report No.: RZA1106-1068RF03R1

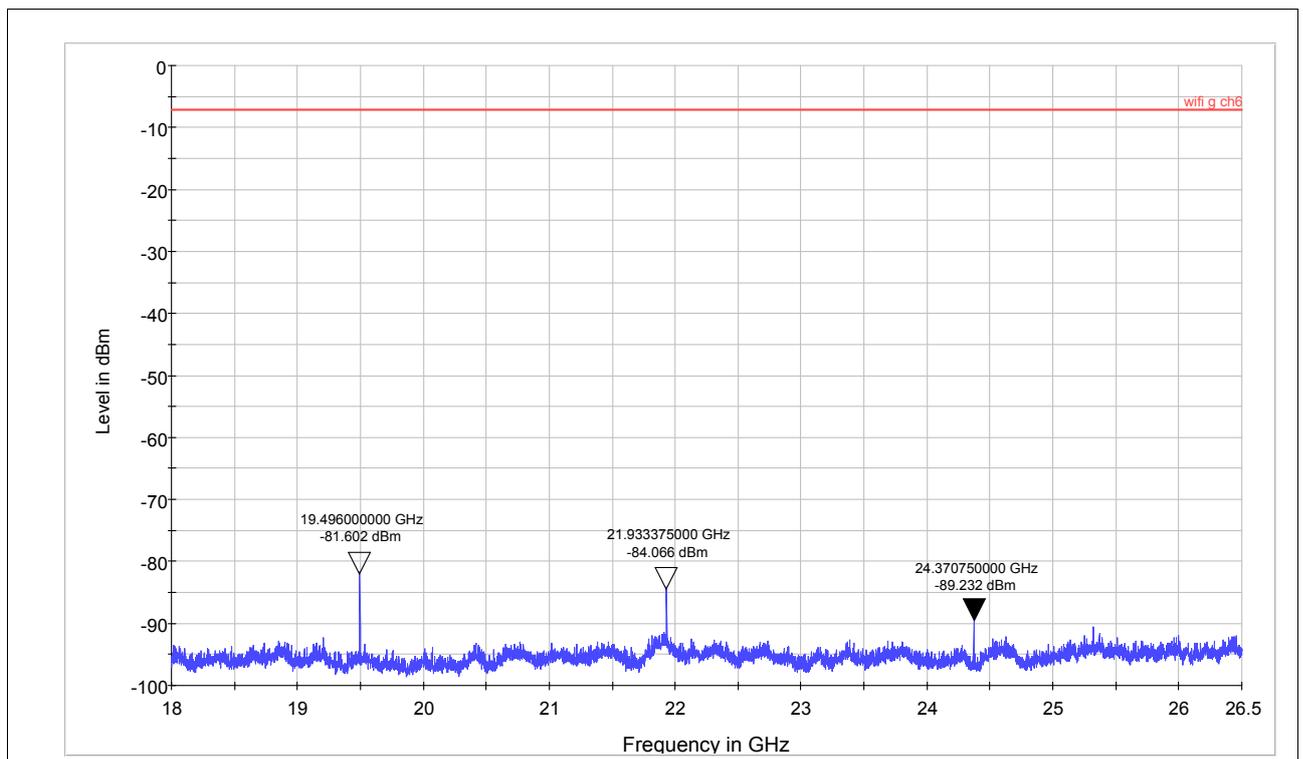
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802.11g CH6



Note: The signal beyond the limit is carrier

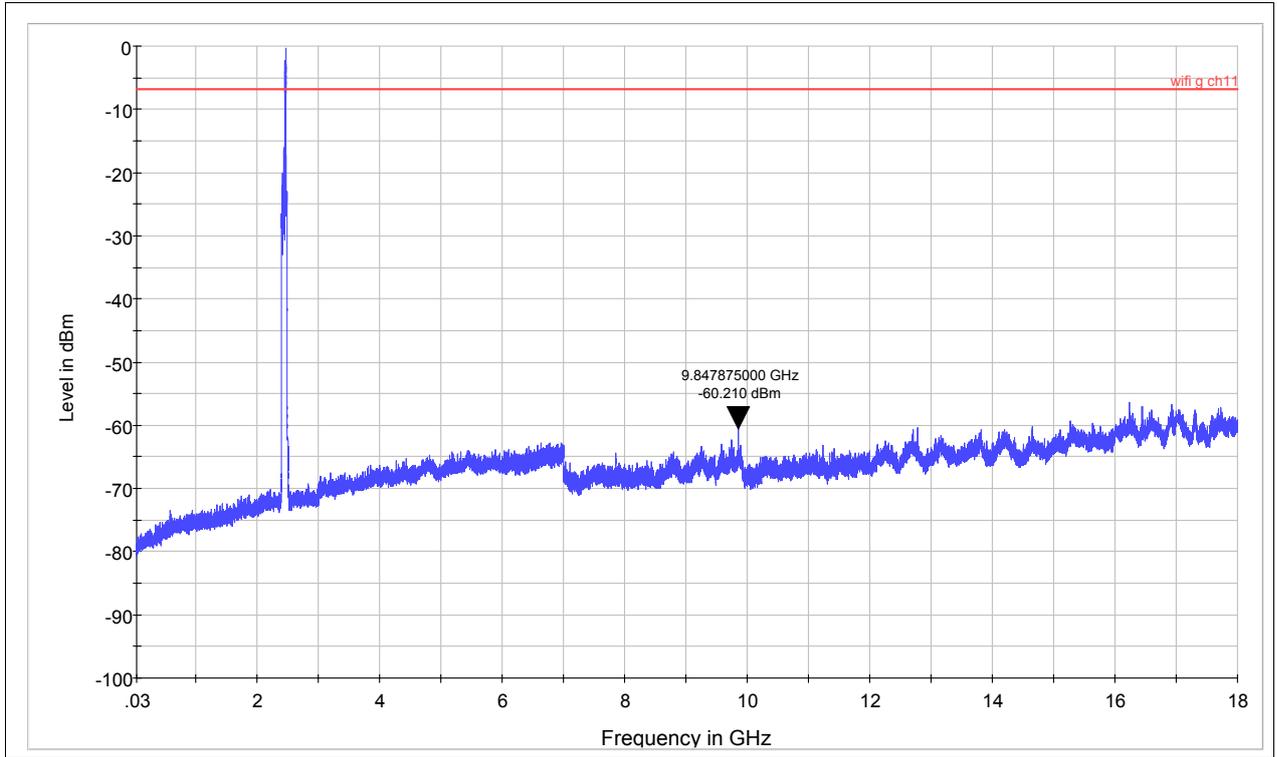
Spurious RF conducted emissions from 30MHz to 18GHz



Spurious RF conducted emissions from 18GHz to 26.5GHz

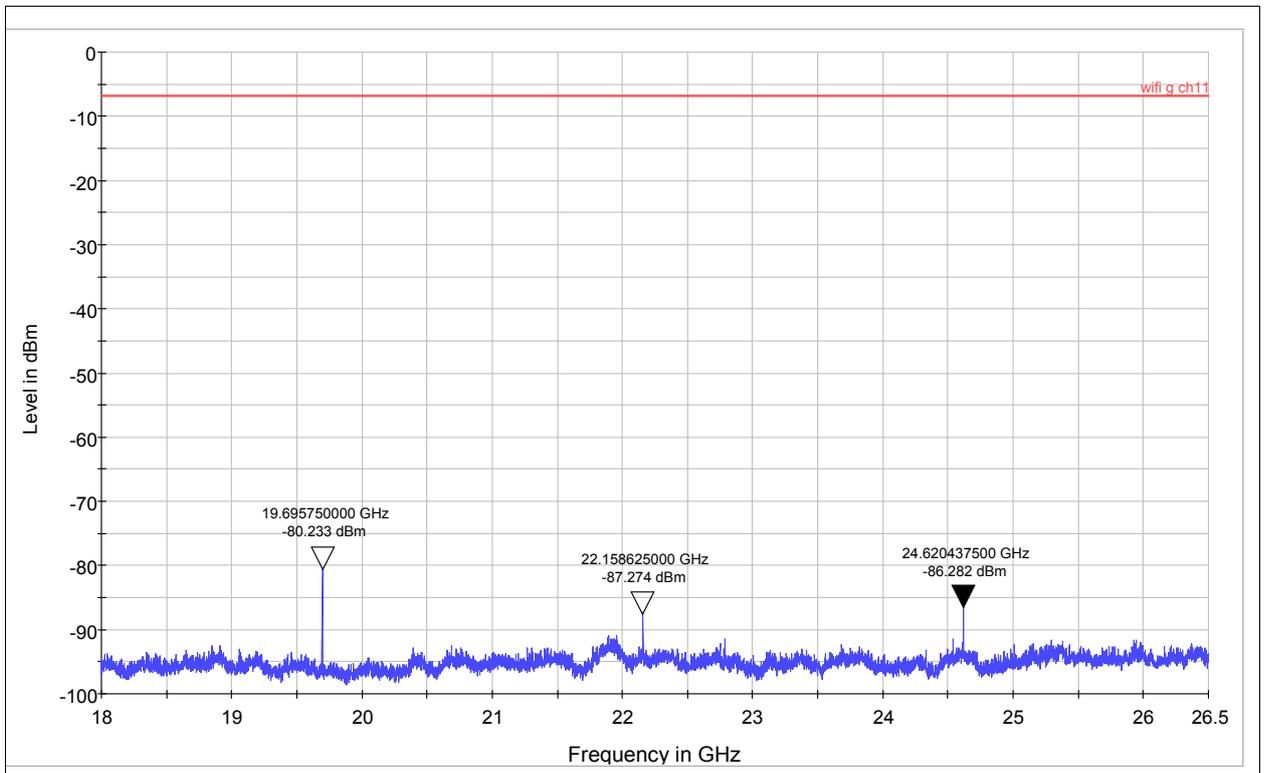
TA Technology (Shanghai) Co., Ltd. Test Report

802.11g CH11



Note: The signal beyond the limit is carrier

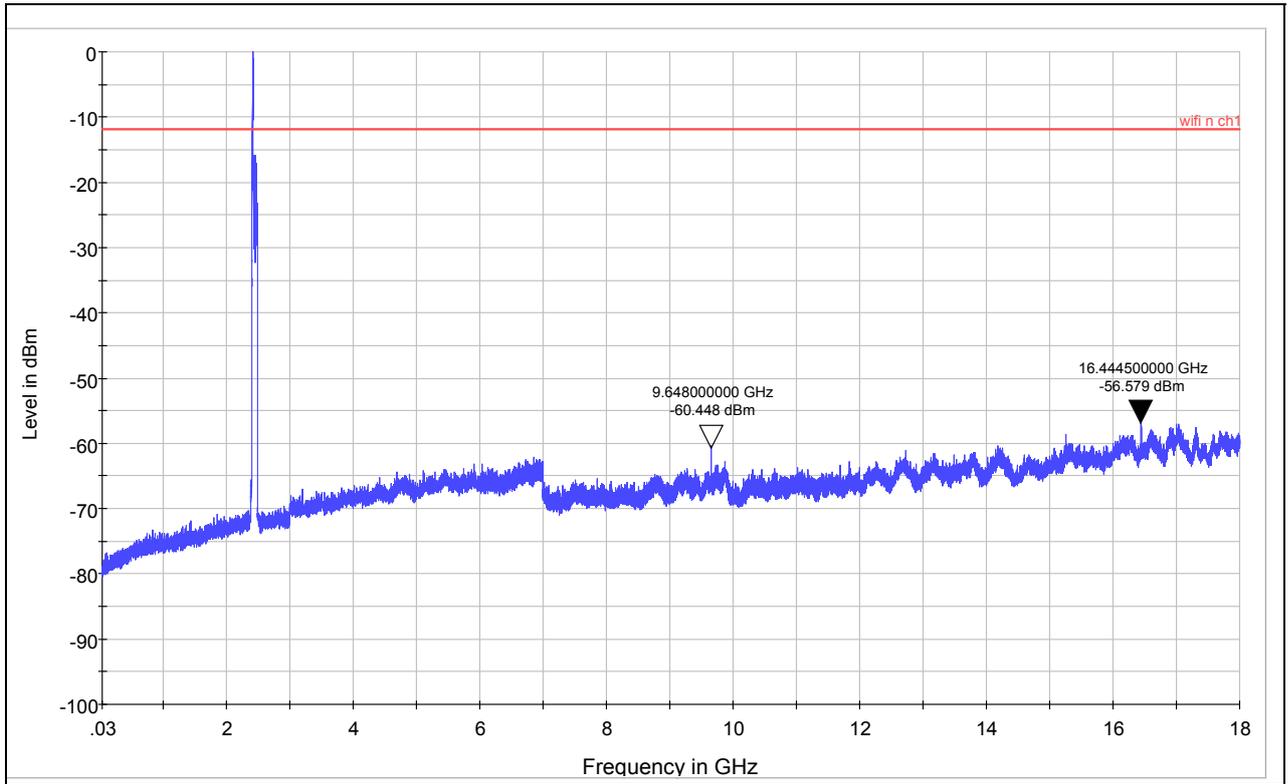
Spurious RF conducted emissions from 30MHz to 18GHz



Spurious RF conducted emissions from 18GHz to 26.5GHz

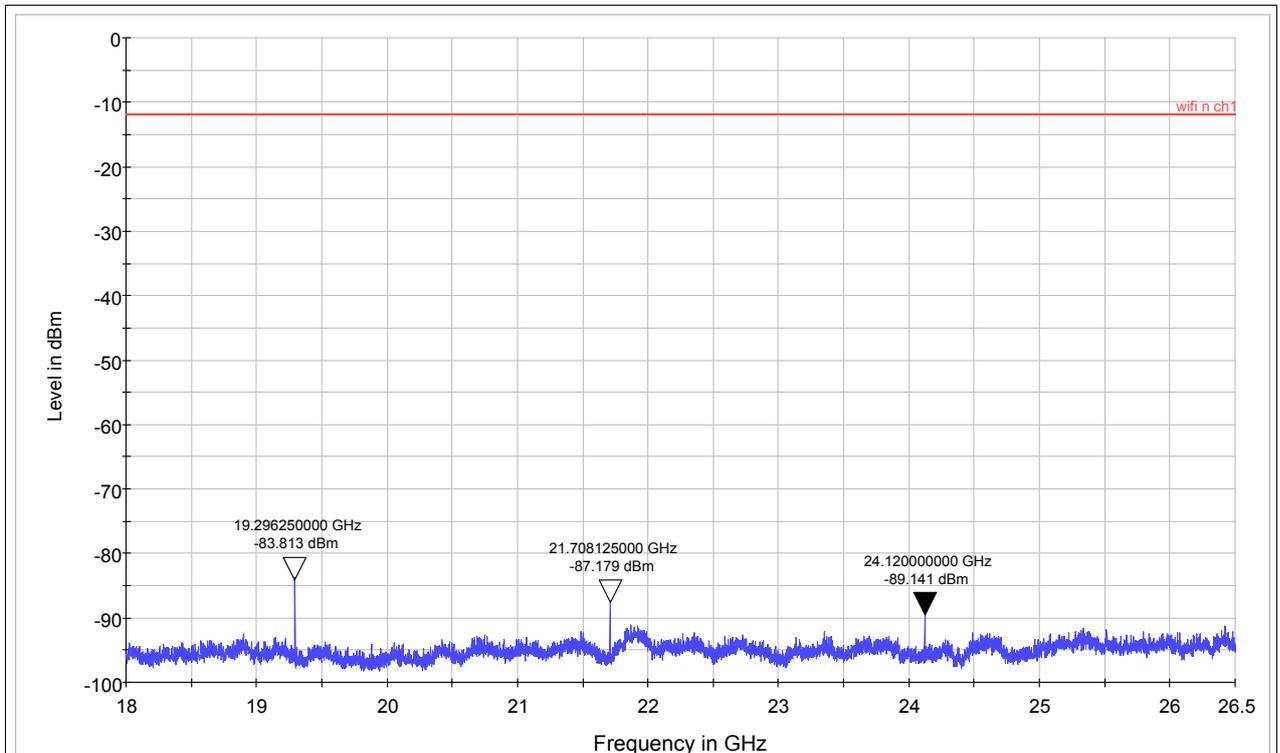
TA Technology (Shanghai) Co., Ltd. Test Report

802.11n CH1



Note: The signal beyond the limit is carrier

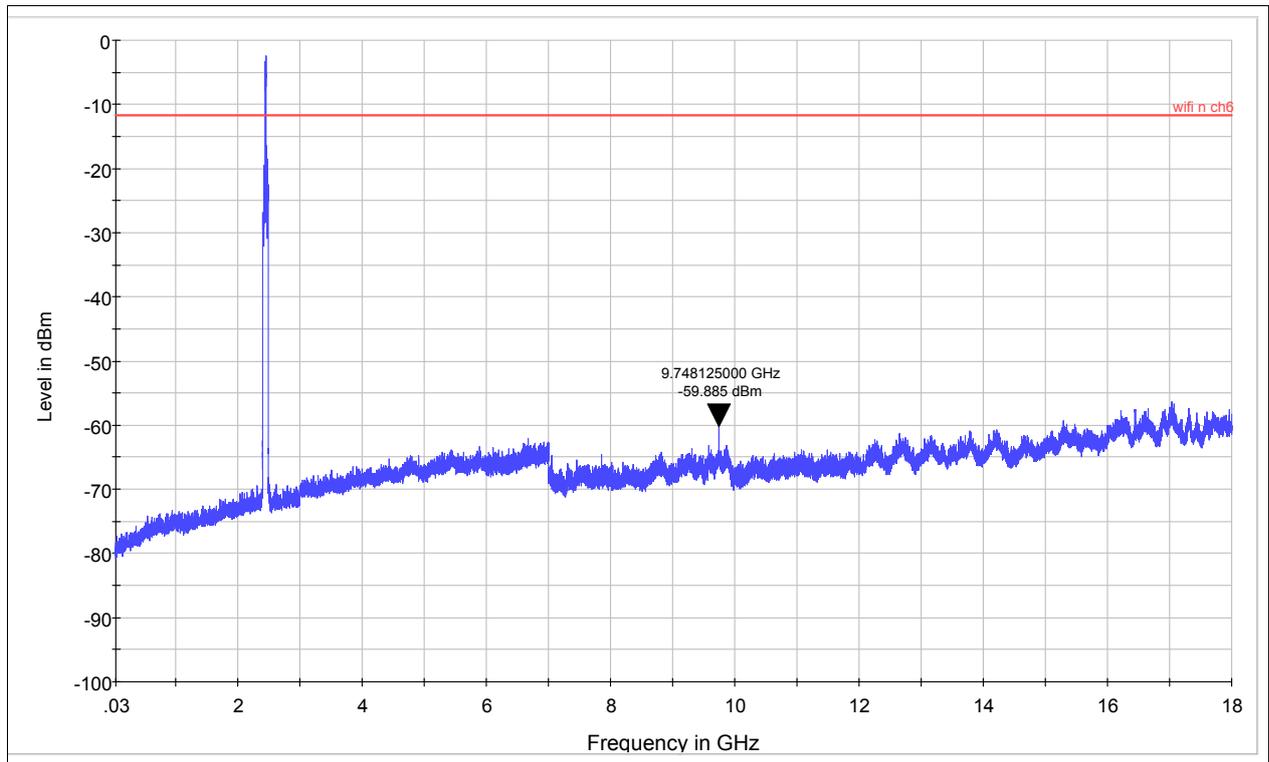
Spurious RF conducted emissions from 30MHz to 18GHz



Spurious RF conducted emissions from 18GHz to 26.5GHz

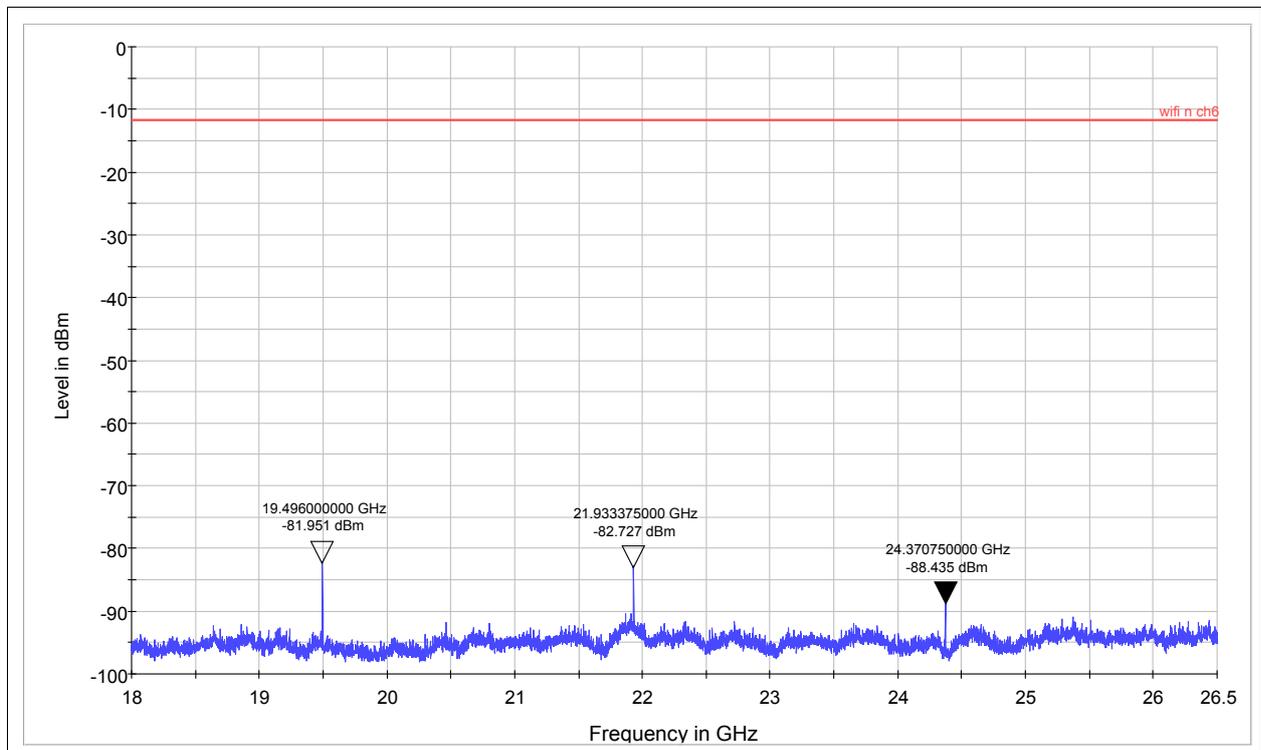
TA Technology (Shanghai) Co., Ltd. Test Report

802.11n CH6



Note: The signal beyond the limit is carrier

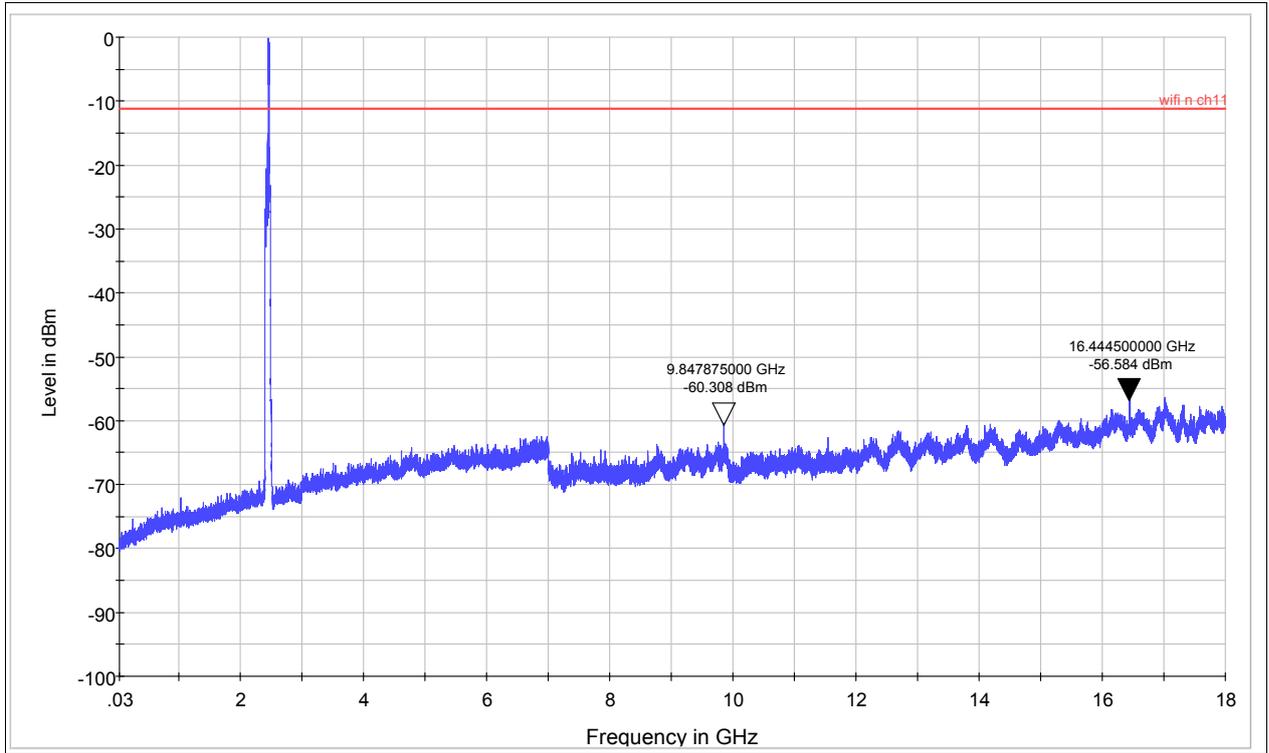
Spurious RF conducted emissions from 30MHz to 18GHz



Spurious RF conducted emissions from 18GHz to 26.5GHz

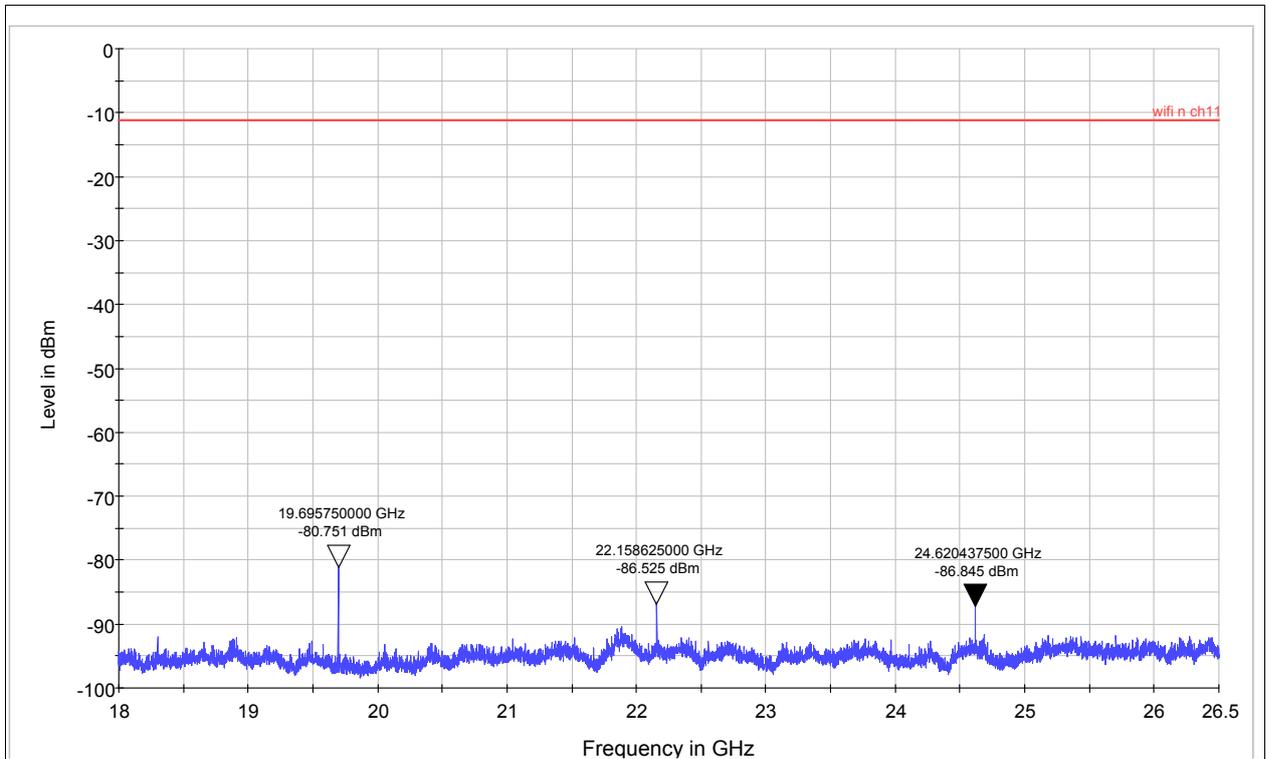
TA Technology (Shanghai) Co., Ltd. Test Report

802.11n CH11



Note: The signal beyond the limit is carrier

Spurious RF conducted emissions from 30MHz to 18GHz



Spurious RF conducted emissions from 18GHz to 26.5GHz

2.8. Radiates Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The test set-up was made in accordance to the general provisions of ANSI C63.4-2003. The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration. Sweep the whole frequency band through the range from 30MHz to 26GHz During the test, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.

Set the spectrum analyzer in the following:

Below 1GHz:

RBW=100kHz / VBW=300kHz / Sweep=AUTO

Above 1GHz:

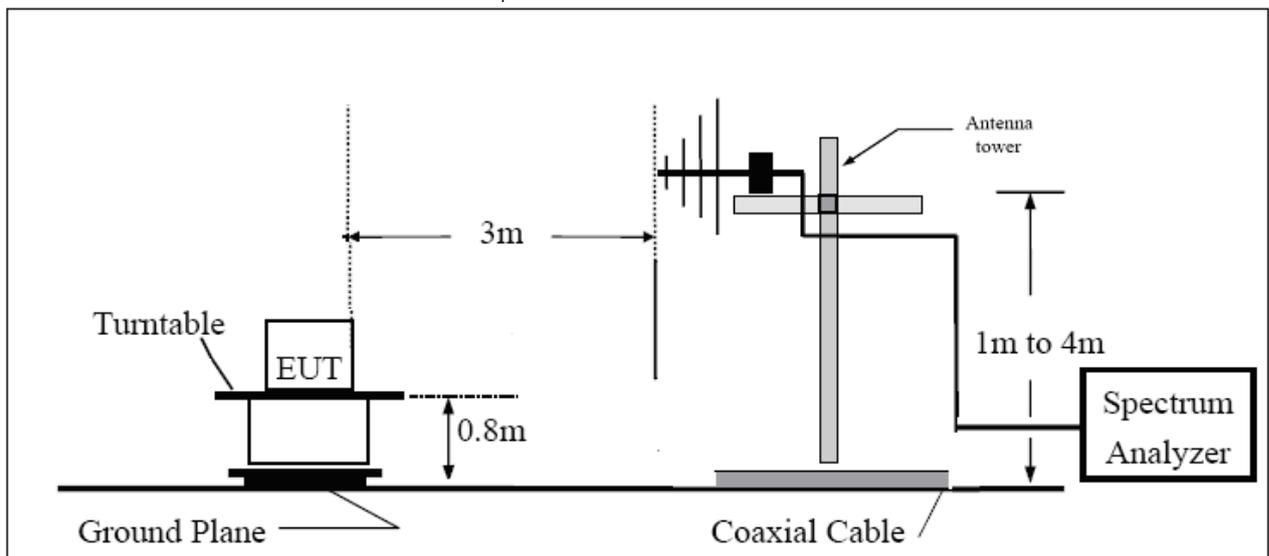
(a) PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO

(b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO

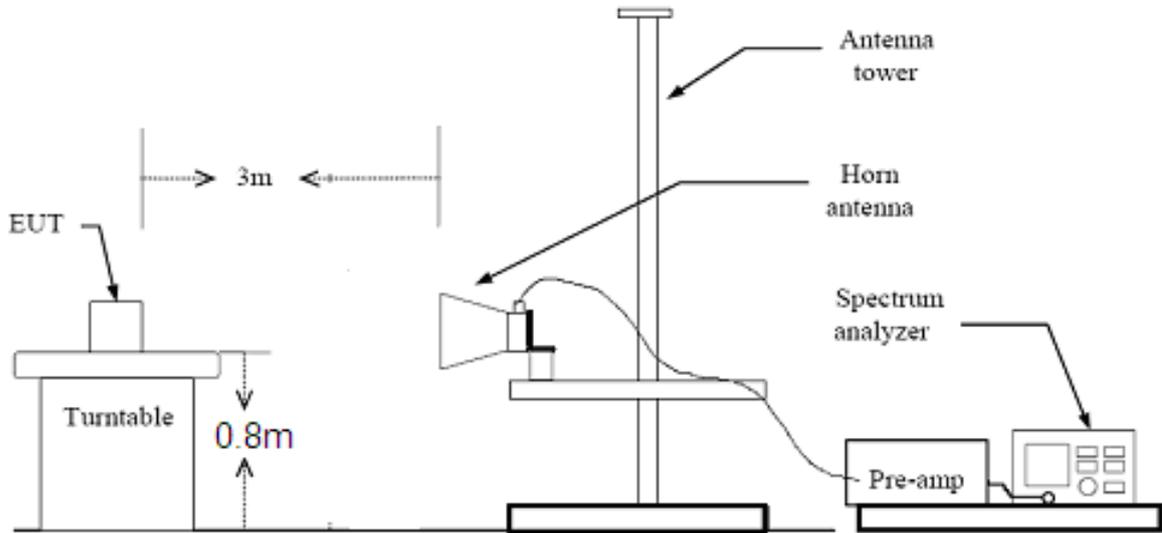
The test is in transmit mode.

Test setup

Below 1GHz



Above 1GHz



Limits

Rule Part 15.247(d) specifies that “In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).”

Limit in restricted band

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above960	500	54

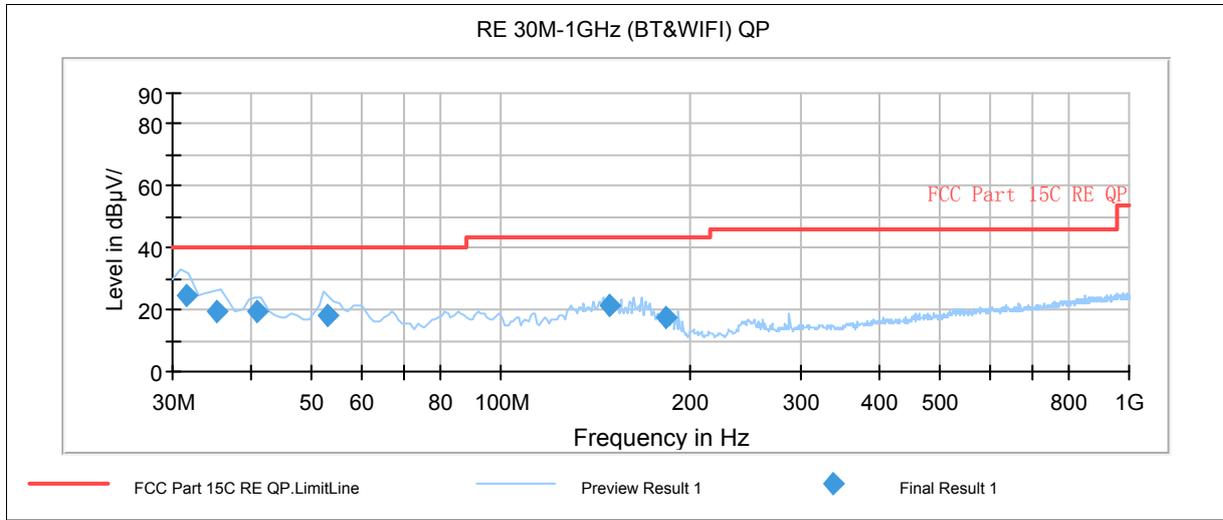
Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

Frequency	Uncertainty
30MHz-200MHz	4.19 dB
200MHz-1GHz	3.63 dB
1GHz – 6GHz	3.68 dB

TA Technology (Shanghai) Co., Ltd. Test Report

Test result
802.11b CH1

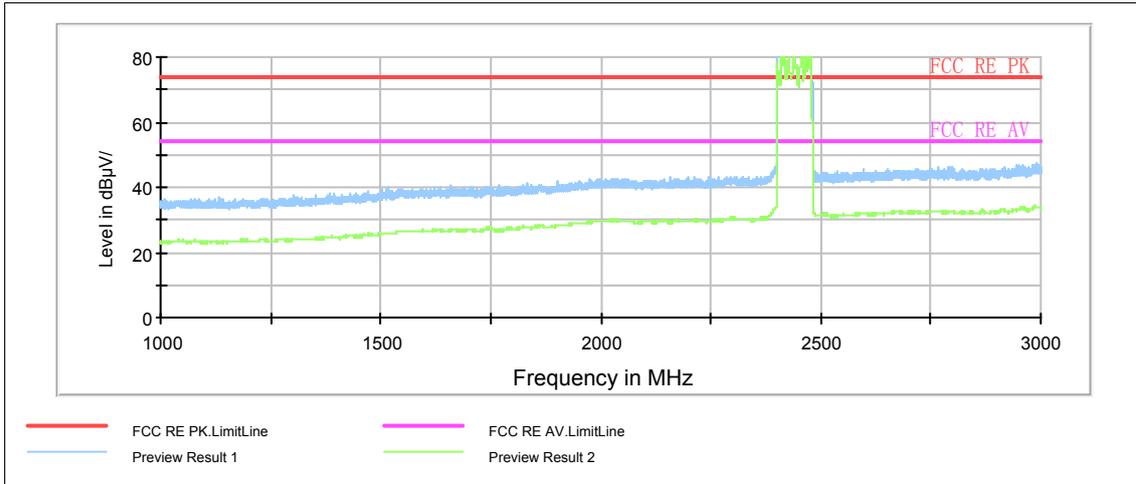


Radiates Emission from 30MHz to 1GHz

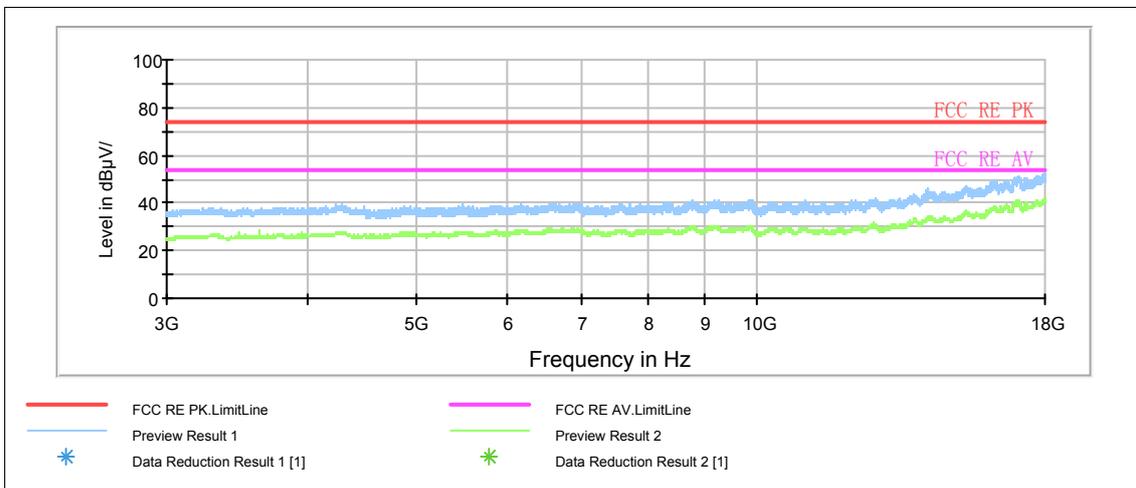
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
31.570000	24.6	190.0	V	0.0	48.7	-24.1	15.4	40.0
35.300000	19.5	175.0	V	9.0	44.1	-24.6	20.5	40.0
40.870000	19.3	100.0	V	352.0	43.5	-24.2	20.7	40.0
52.910000	18.0	121.0	V	81.0	44.1	-26.1	22.0	40.0
148.780000	21.4	100.0	V	70.0	54.2	-32.8	22.1	43.5
182.410000	17.4	114.0	V	163.0	48.6	-31.2	26.1	43.5

- Remark:**
1. Quasi-Peak = Reading value + Correction factor
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)
 3. Margin = Limit – Quasi-Peak

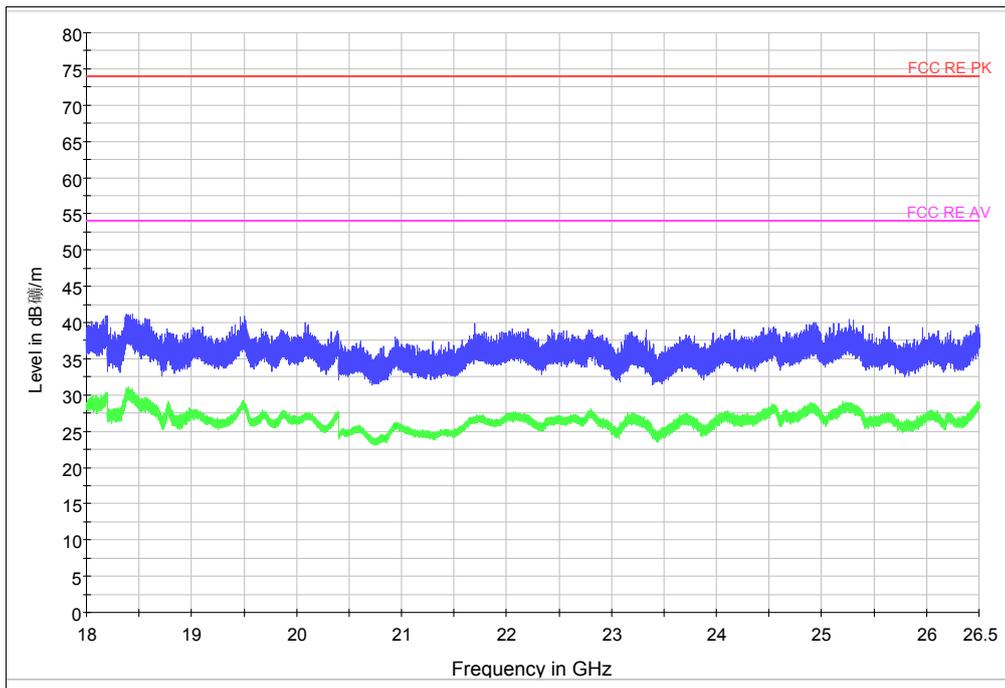
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Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



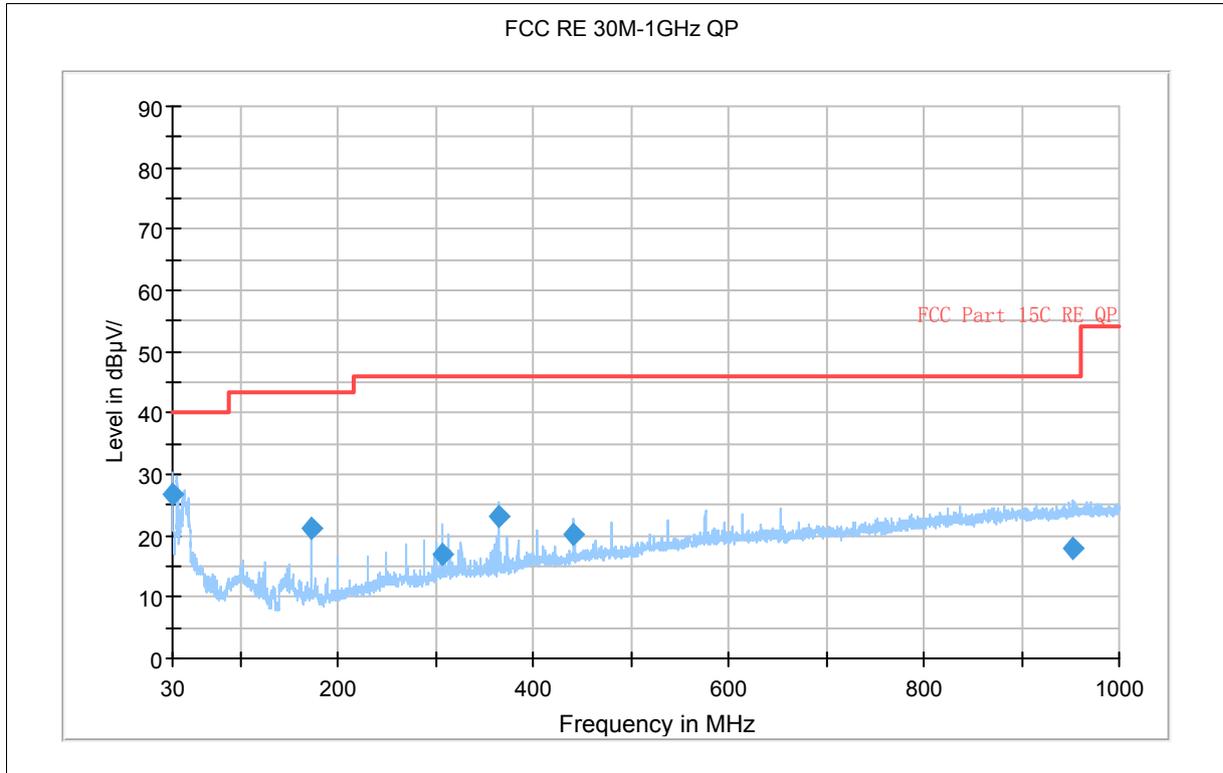
Radiates Emission from 3GHz to 18GHz



Radiates Emission from 18GHz to 26.5GHz

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802.11b CH6



Radiates Emission from 30MHz to 1GHz

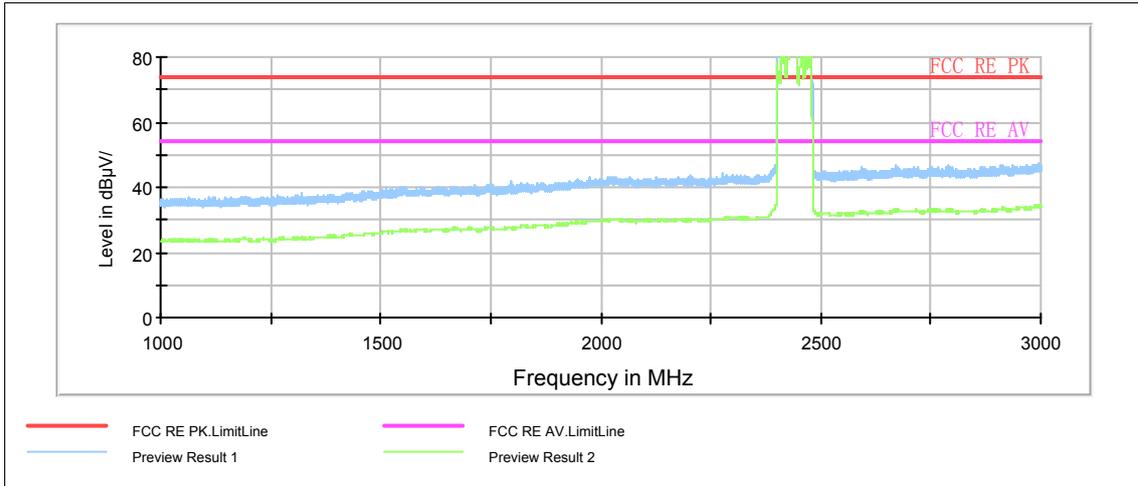
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.040000	26.7	100.0	V	11.0	50.5	-23.8	13.3	40.0
172.792500	21.1	100.0	V	258.0	52.7	-31.6	22.4	43.5
307.177500	16.8	100.0	H	18.0	43.6	-26.8	29.2	46.0
364.810000	23.0	100.0	H	33.0	48.9	-25.9	23.0	46.0
441.602500	20.2	115.0	V	18.0	44.3	-24.1	25.8	46.0
952.395000	17.8	100.0	H	116.0	34.2	-16.4	28.2	46.0

Remark: 1. Quasi-Peak = Reading value + Correction factor

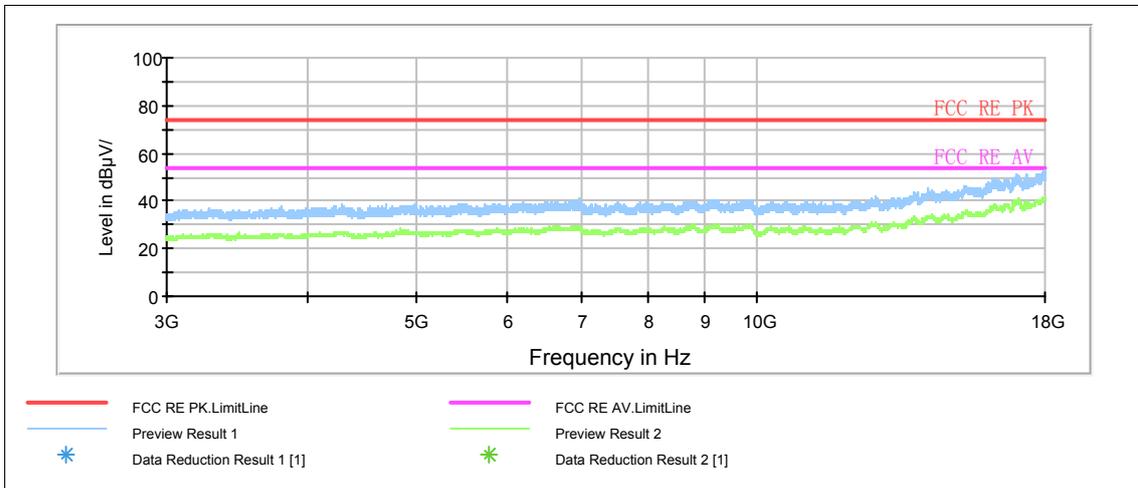
2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak

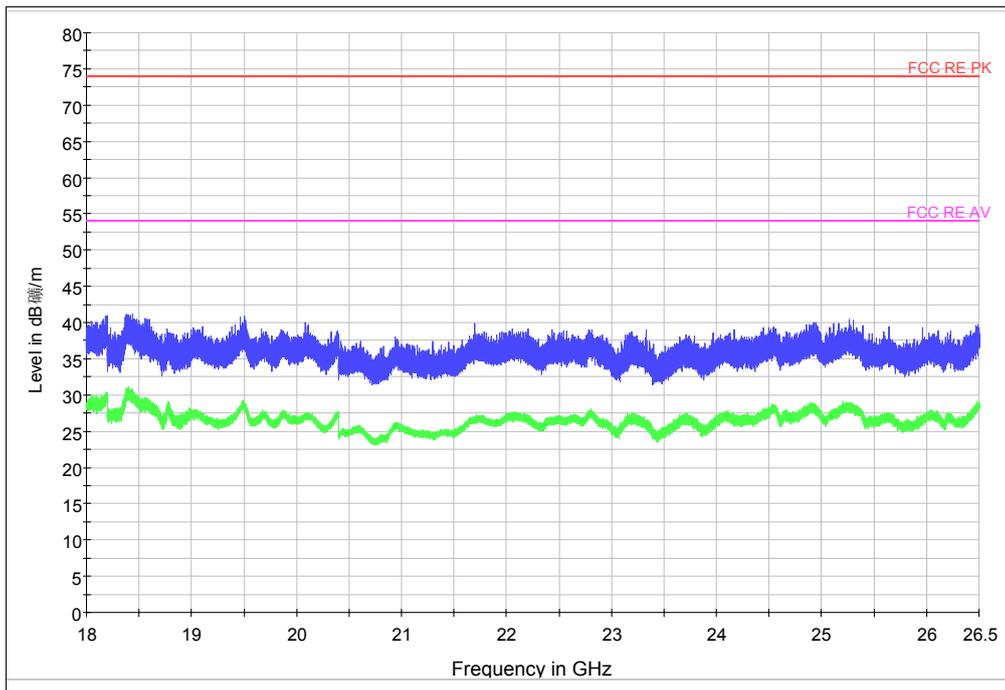
TA Technology (Shanghai) Co., Ltd. Test Report



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



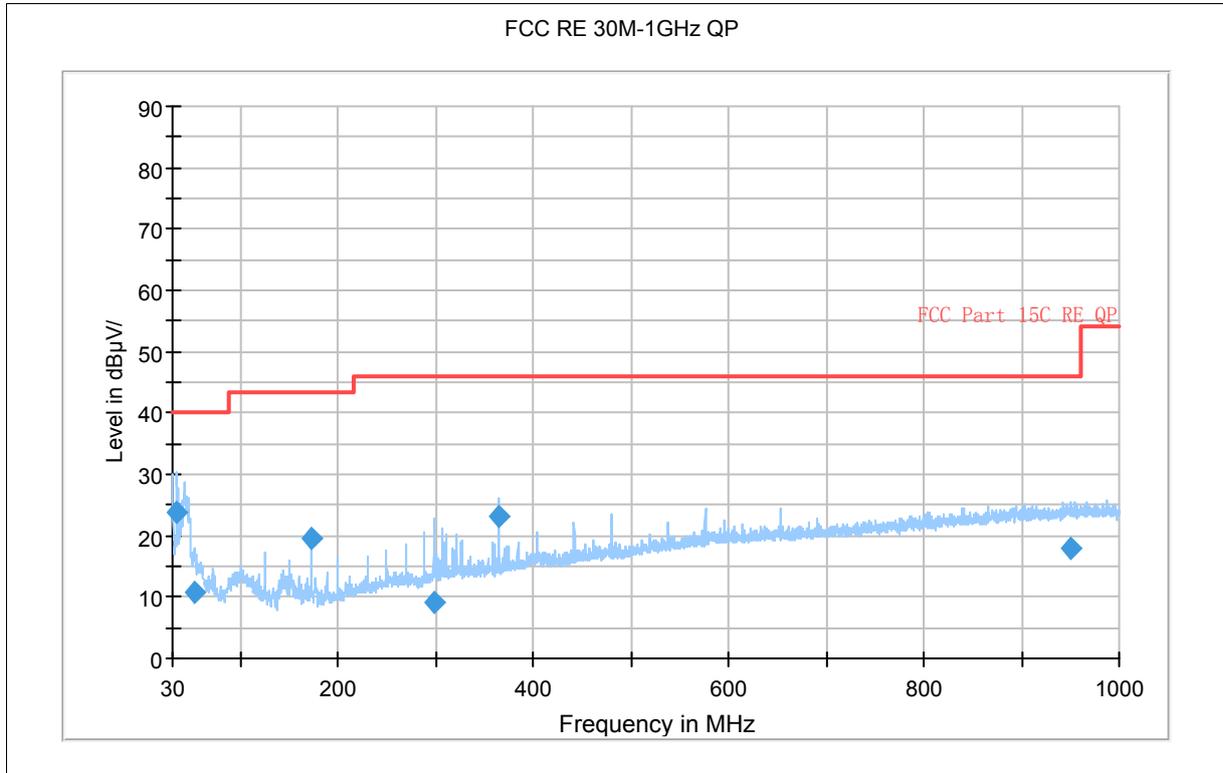
Radiates Emission from 3GHz to 18GHz



Radiates Emission from 18GHz to 26.5GHz

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802.11b CH11

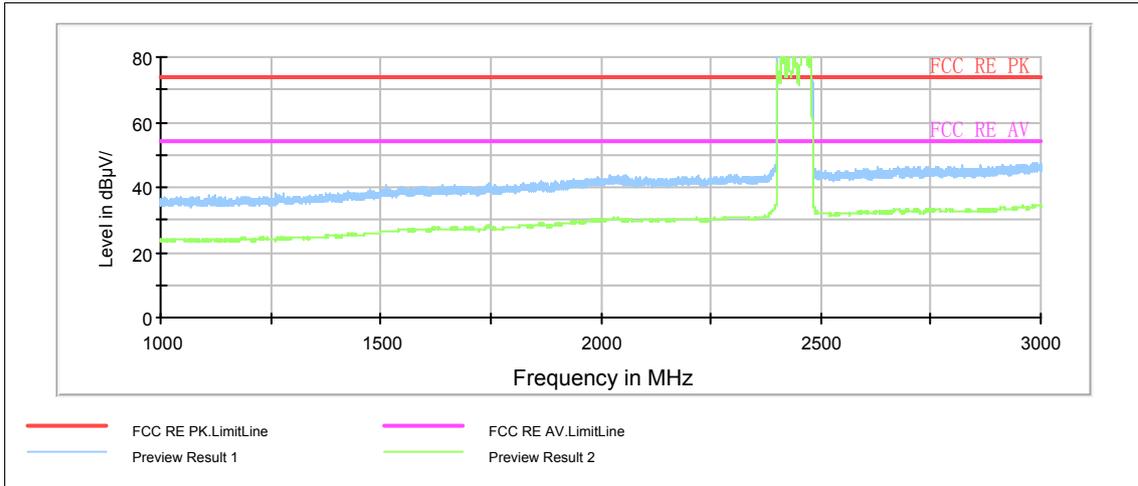


Radiates Emission from 30MHz to 1GHz

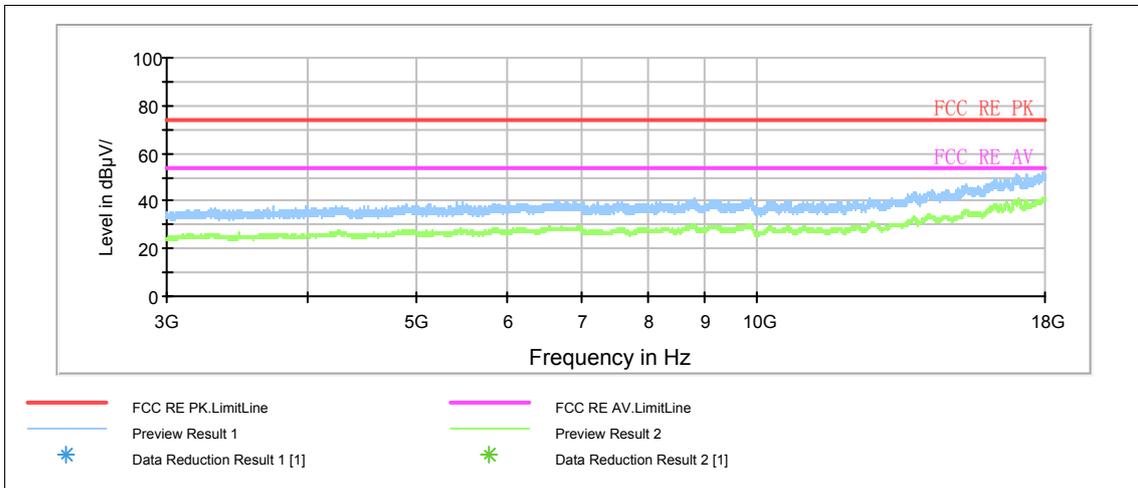
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
34.887500	23.7	100.0	V	54.0	48.3	-24.6	16.3	40.0
53.567500	10.8	100.0	V	144.0	37	-26.2	29.2	40.0
172.792500	19.7	100.0	V	236.0	51.3	-31.6	23.8	43.5
298.607500	9.0	100.0	H	171.0	36.2	-27.2	37.0	46.0
364.810000	23.3	100.0	H	34.0	49.2	-25.9	22.7	46.0
950.332500	17.8	119.0	V	342.0	34.2	-16.4	28.2	46.0

- Remark:**
1. Quasi-Peak = Reading value + Correction factor
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)
 3. Margin = Limit – Quasi-Peak

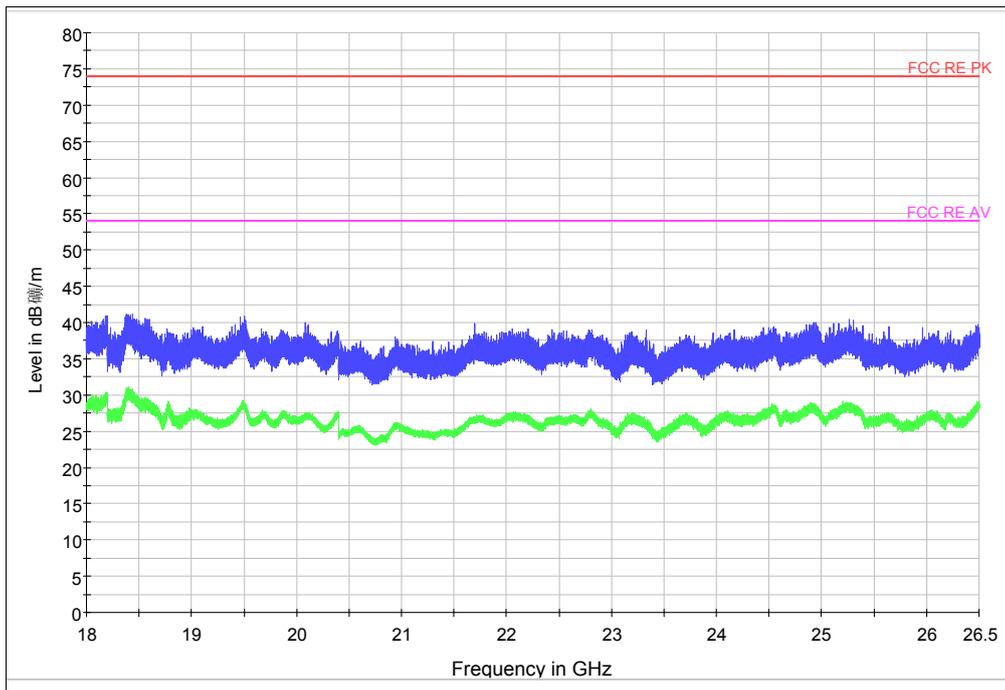
TA Technology (Shanghai) Co., Ltd. Test Report



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



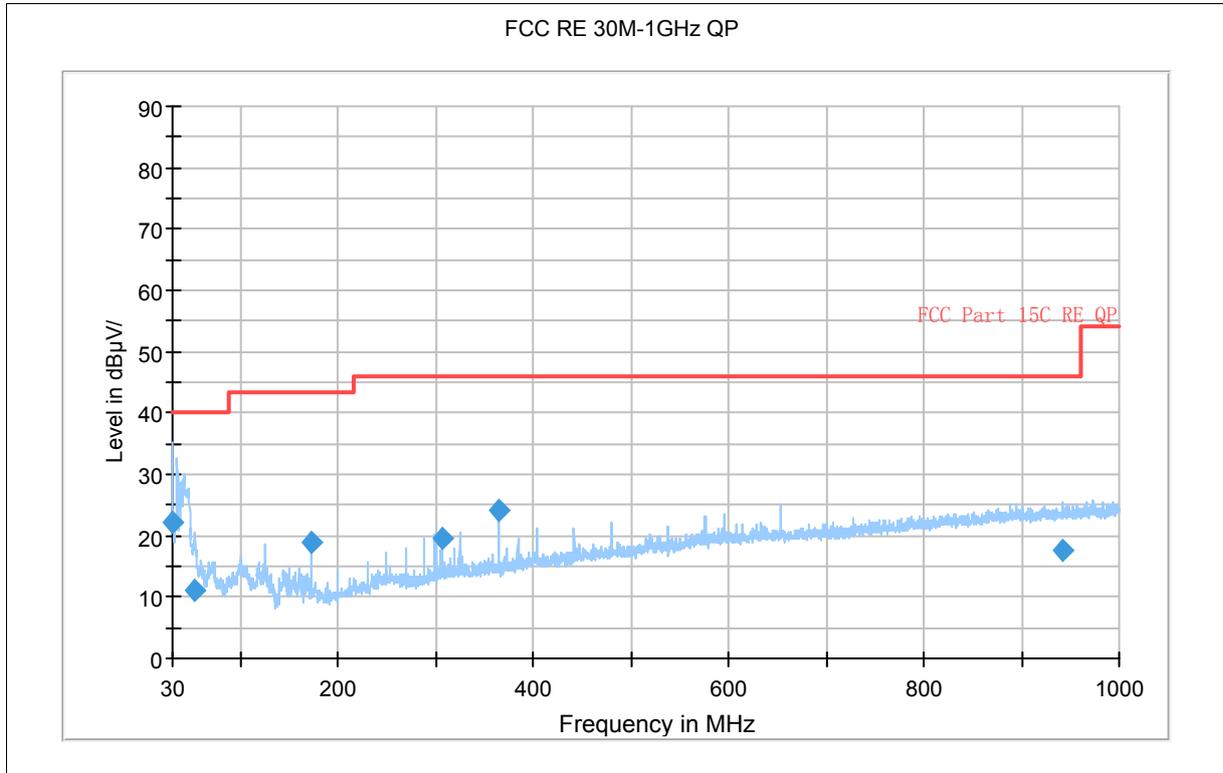
Radiates Emission from 3GHz to 18GHz



Radiates Emission from 18GHz to 26.5GHz

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802.11g CH1

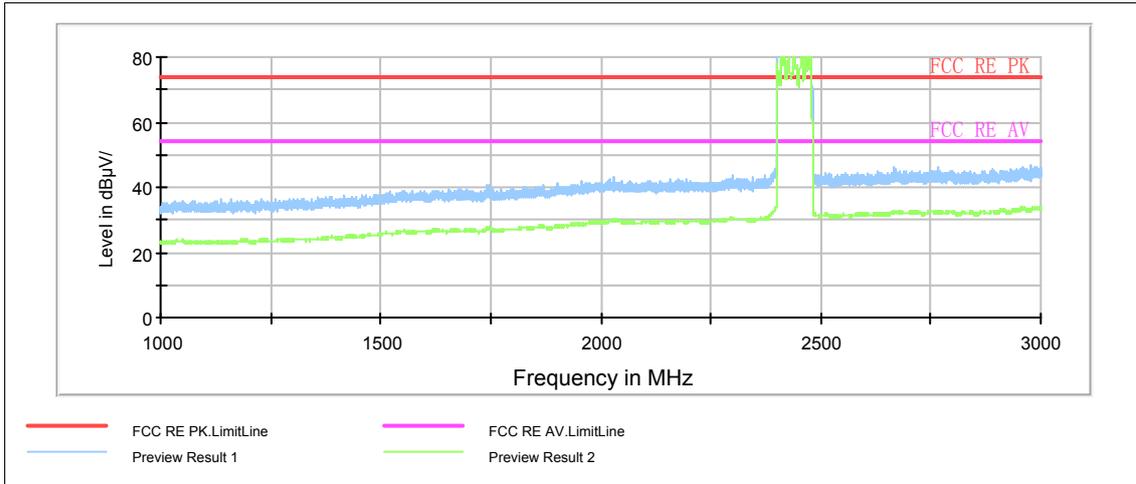


Radiates Emission from 30MHz to 1GHz

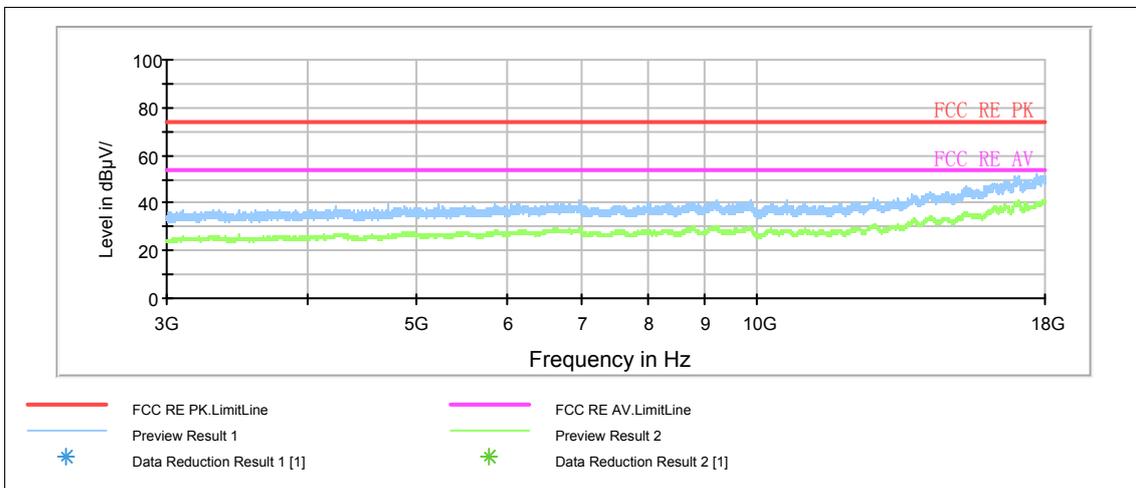
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.000000	22.1	100.0	V	15.0	45.9	-23.8	17.9	40.0
53.527500	11.1	100.0	V	220.0	37.3	-26.2	28.9	40.0
172.792500	19.0	100.0	V	233.0	50.6	-31.6	24.5	43.5
307.177500	19.4	100.0	H	49.0	46.2	-26.8	26.6	46.0
364.810000	24.3	100.0	H	16.0	50.2	-25.9	21.7	46.0
941.957500	17.8	125.0	V	45.0	34.4	-16.6	28.2	46.0

- Remark:**
1. Quasi-Peak = Reading value + Correction factor
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)
 3. Margin = Limit – Quasi-Peak

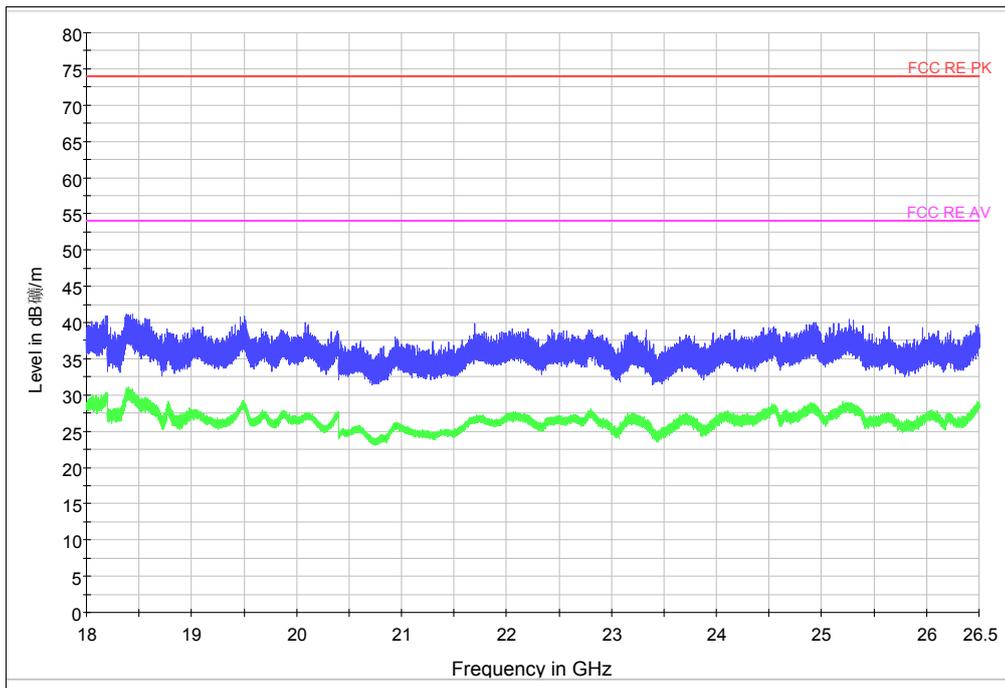
TA Technology (Shanghai) Co., Ltd. Test Report



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



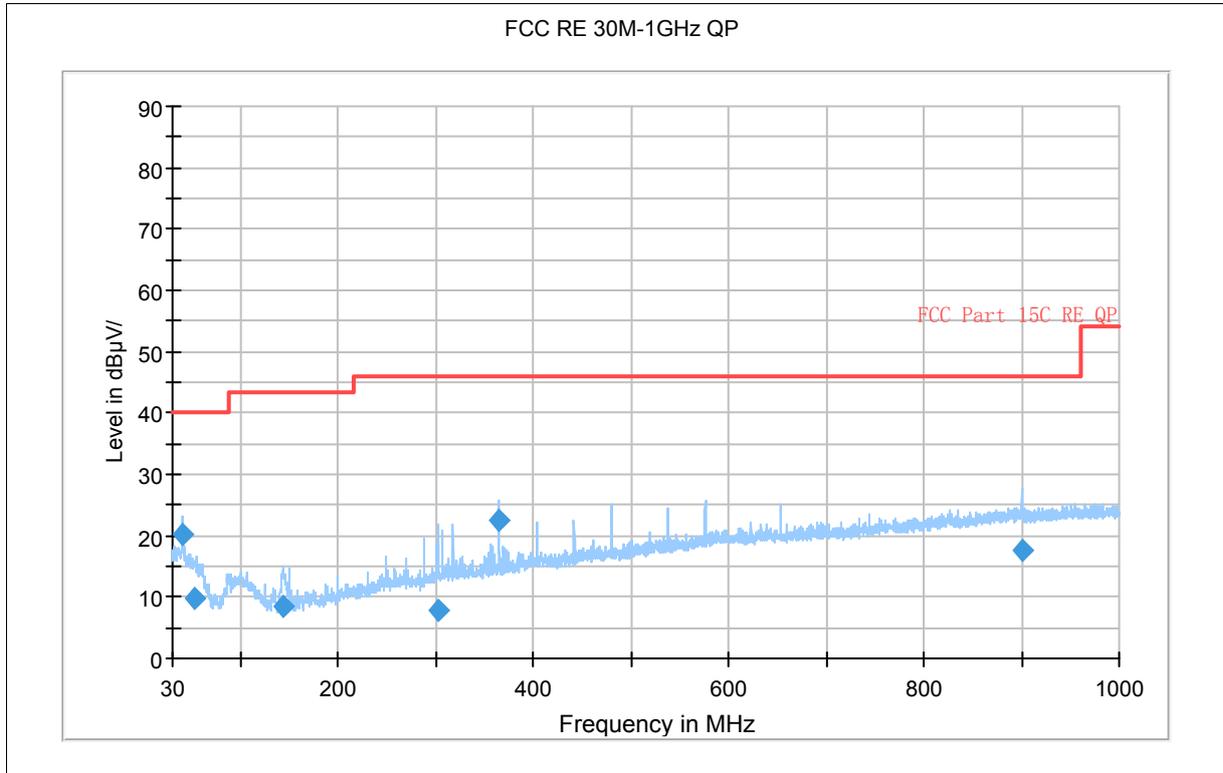
Radiates Emission from 3GHz to 18GHz



Radiates Emission from 18GHz to 26.5GHz

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802.11g CH6

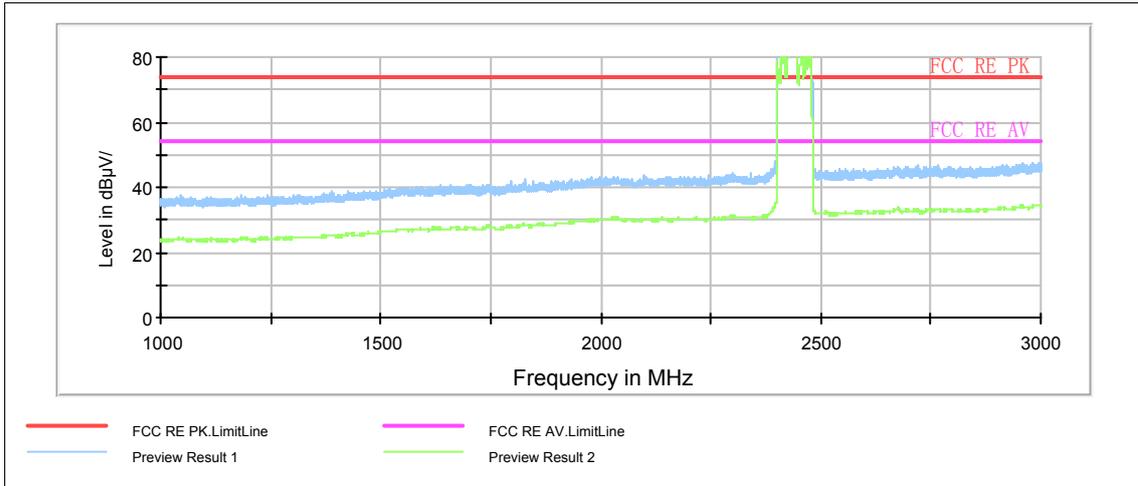


Radiates Emission from 30MHz to 1GHz

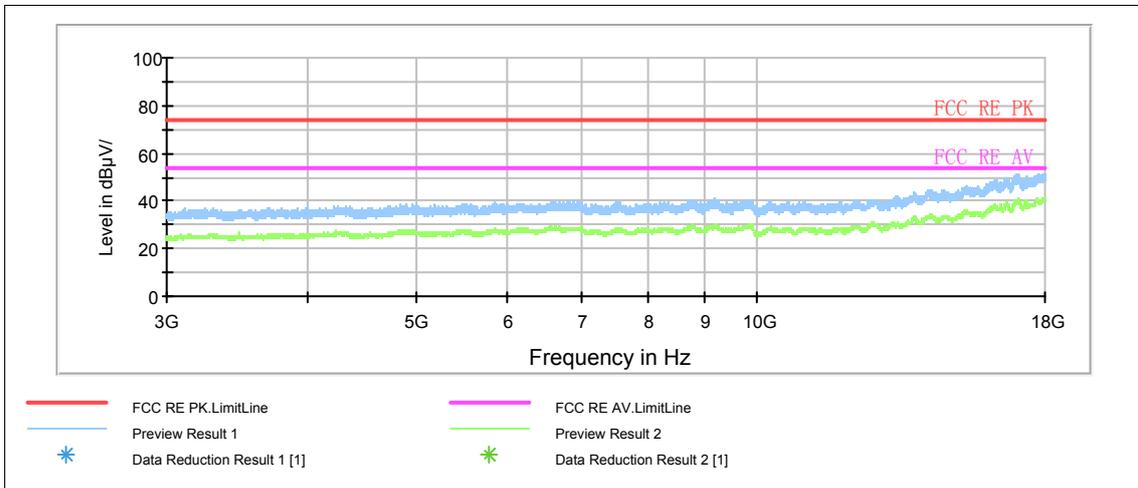
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
40.022500	20.2	100.0	V	0.0	44.2	-24.0	19.8	40.0
53.650000	9.8	100.0	H	37.0	36	-26.2	30.2	40.0
144.010000	8.3	100.0	V	45.0	41.1	-32.8	35.2	43.5
302.892500	7.9	100.0	H	45.0	34.9	-27.0	38.1	46.0
364.810000	22.4	100.0	H	16.0	48.3	-25.9	23.6	46.0
900.090000	17.5	100.0	H	285.0	34.4	-16.9	28.6	46.0

- Remark: 1. Quasi-Peak = Reading value + Correction factor**
2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)
3. Margin = Limit – Quasi-Peak

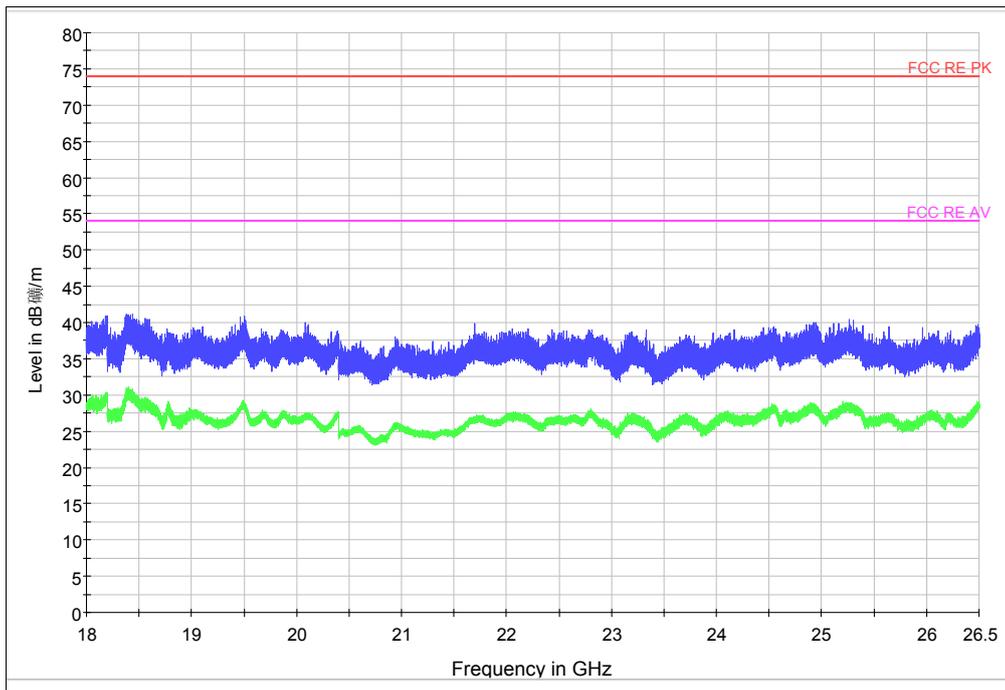
TA Technology (Shanghai) Co., Ltd. Test Report



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



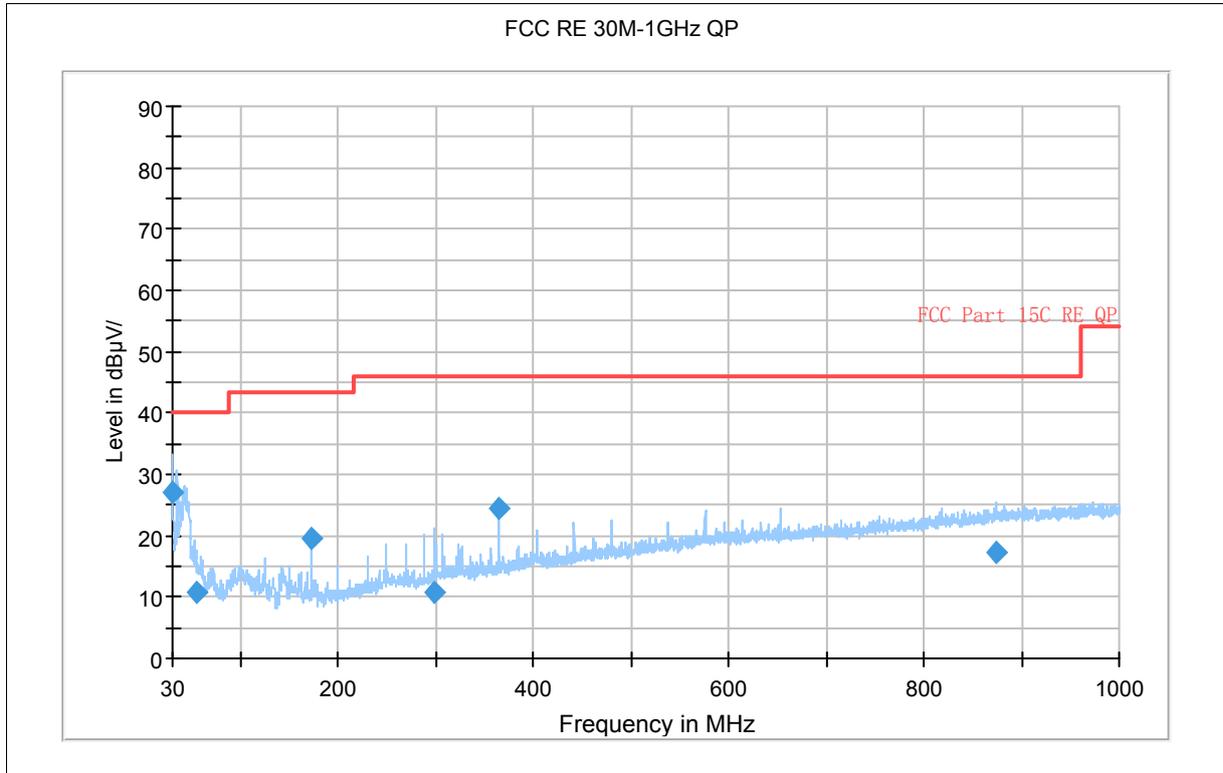
Radiates Emission from 3GHz to 18GHz



Radiates Emission from 18GHz to 26.5GHz

TA Technology (Shanghai) Co., Ltd. Test Report

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Radiates Emission from 30MHz to 1GHz

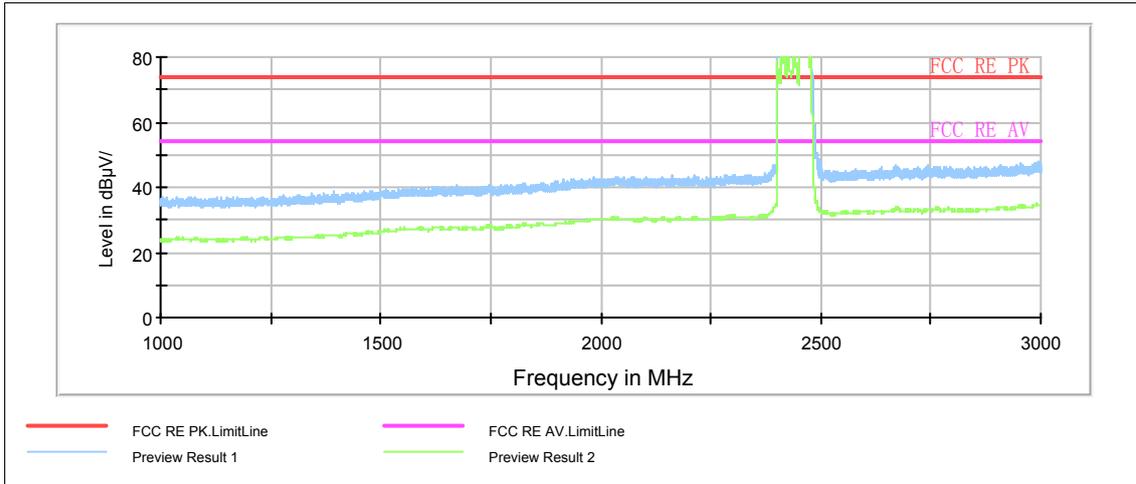
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.240000	26.9	100.0	V	0.0	50.7	-23.8	13.1	40.0
54.007500	10.8	116.0	V	151.0	37	-26.2	29.2	40.0
172.792500	19.7	100.0	V	232.0	51.3	-31.6	23.8	43.5
298.972500	10.6	100.0	H	192.0	37.8	-27.2	35.4	46.0
364.810000	24.5	100.0	H	16.0	50.4	-25.9	21.5	46.0
874.947500	17.3	100.0	H	11.0	34.3	-17.0	28.7	46.0

Remark: 1. Quasi-Peak = Reading value + Correction factor

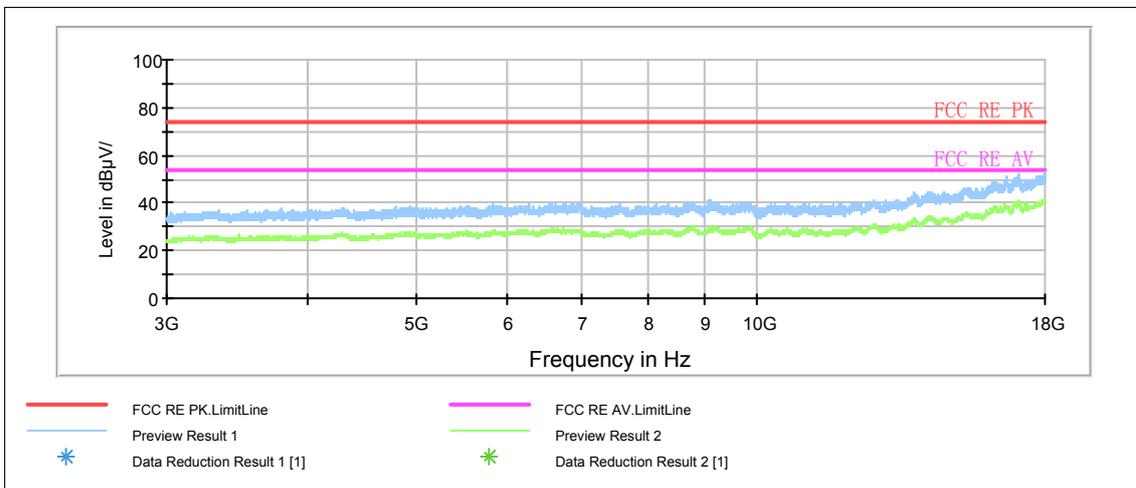
2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak

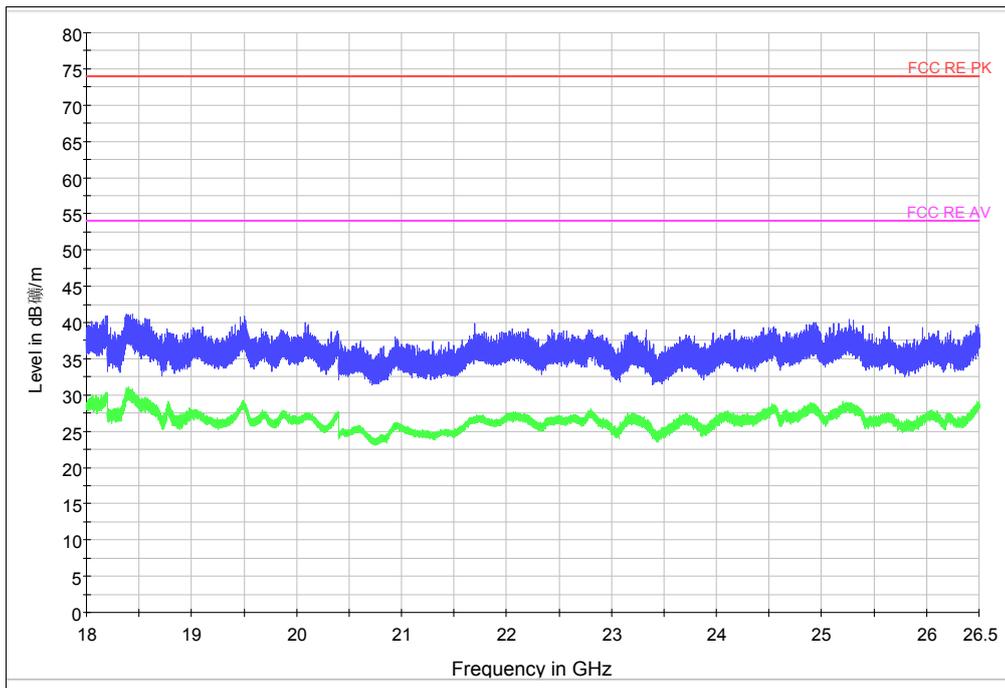
TA Technology (Shanghai) Co., Ltd. Test Report



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



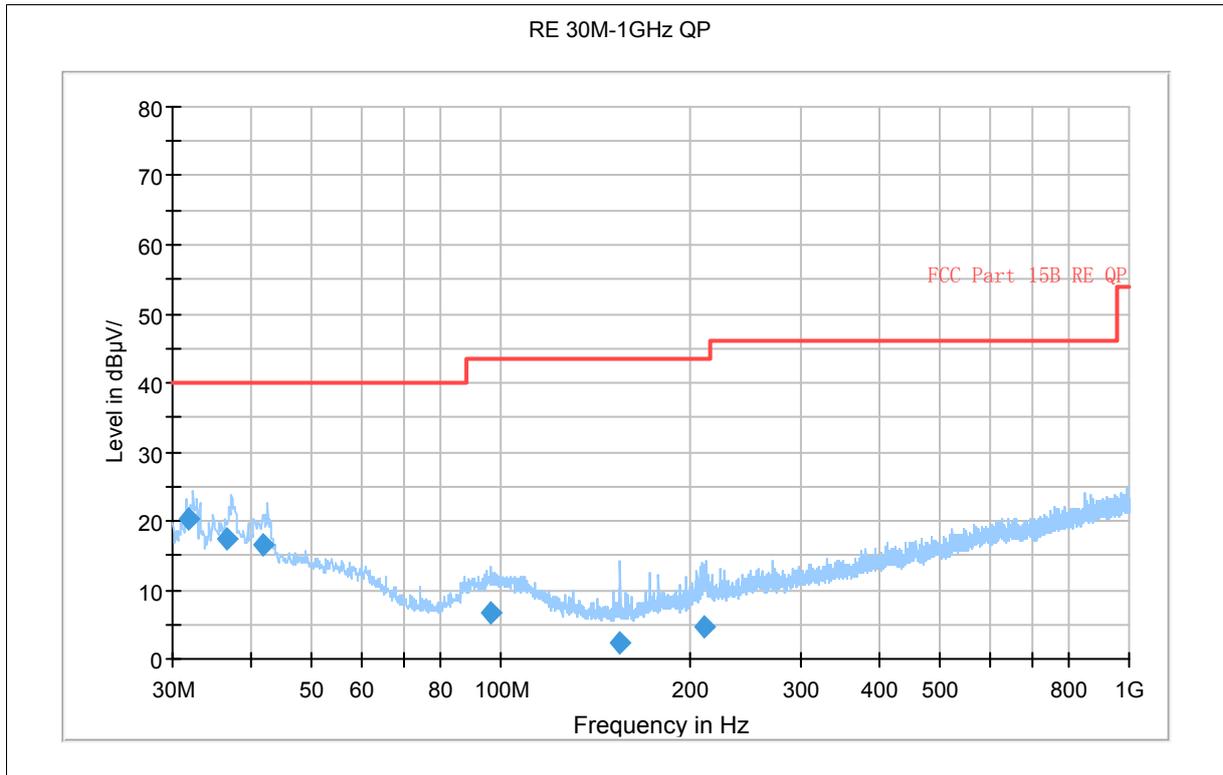
Radiates Emission from 3GHz to 18GHz



Radiates Emission from 18GHz to 26.5GHz

TA Technology (Shanghai) Co., Ltd. Test Report

802.11n CH1

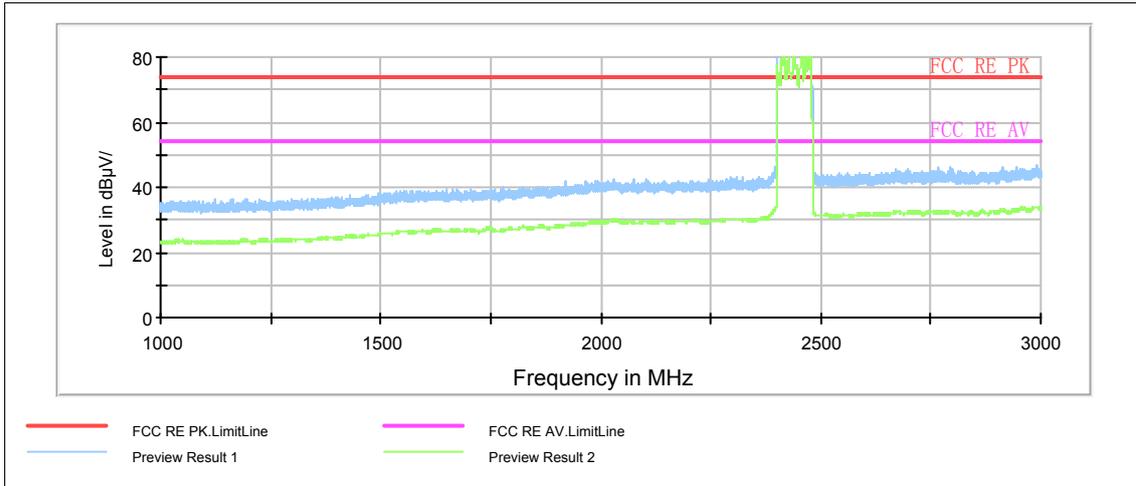


Radiates Emission from 30MHz to 1GHz

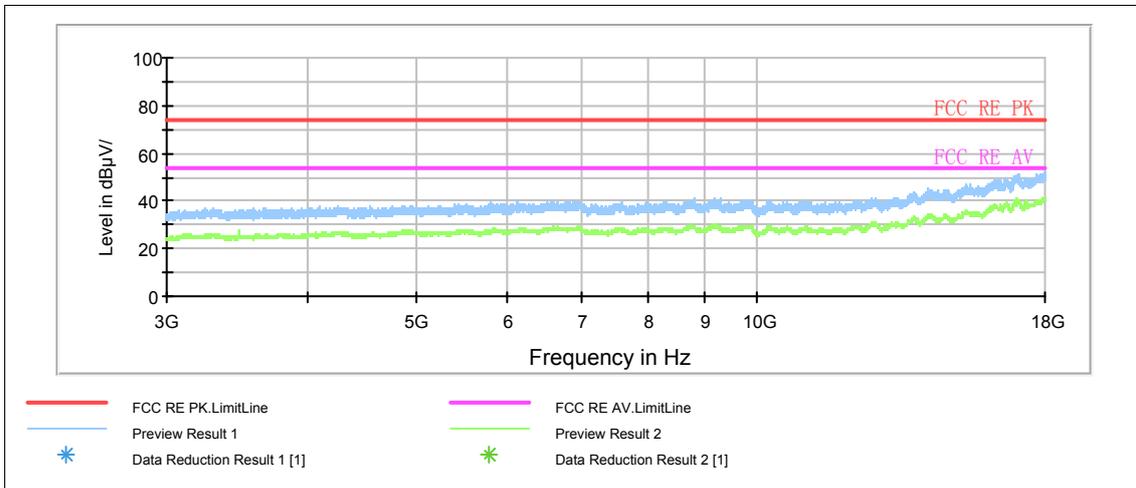
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
31.823750	20.2	100.0	V	312.0	44.5	-24.3	19.8	40.0
36.715000	17.3	100.0	V	319.0	41.9	-24.6	22.7	40.0
41.928750	16.7	100.0	V	235.0	41.3	-24.6	23.3	40.0
96.563750	6.6	100.0	H	310.0	34.9	-28.3	36.9	43.5
154.608750	2.3	100.0	V	10.0	34.8	-32.5	41.2	43.5
211.392500	4.7	200.0	V	81.0	34.7	-30.0	38.8	43.5

- Remark:**
1. Quasi-Peak = Reading value + Correction factor
 2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)
 3. Margin = Limit – Quasi-Peak

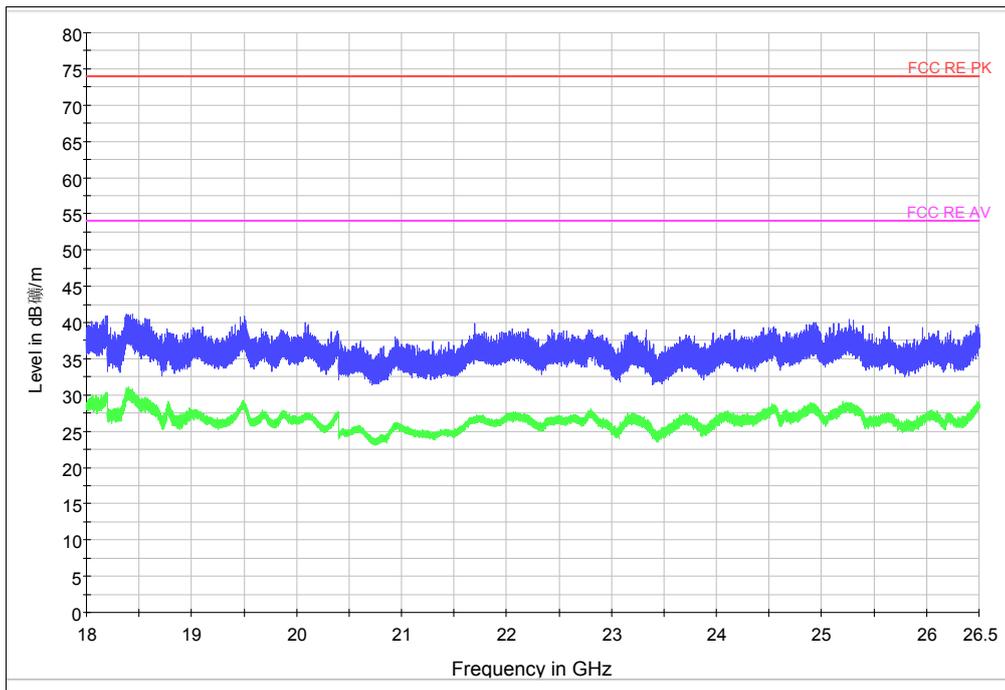
TA Technology (Shanghai) Co., Ltd. Test Report



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



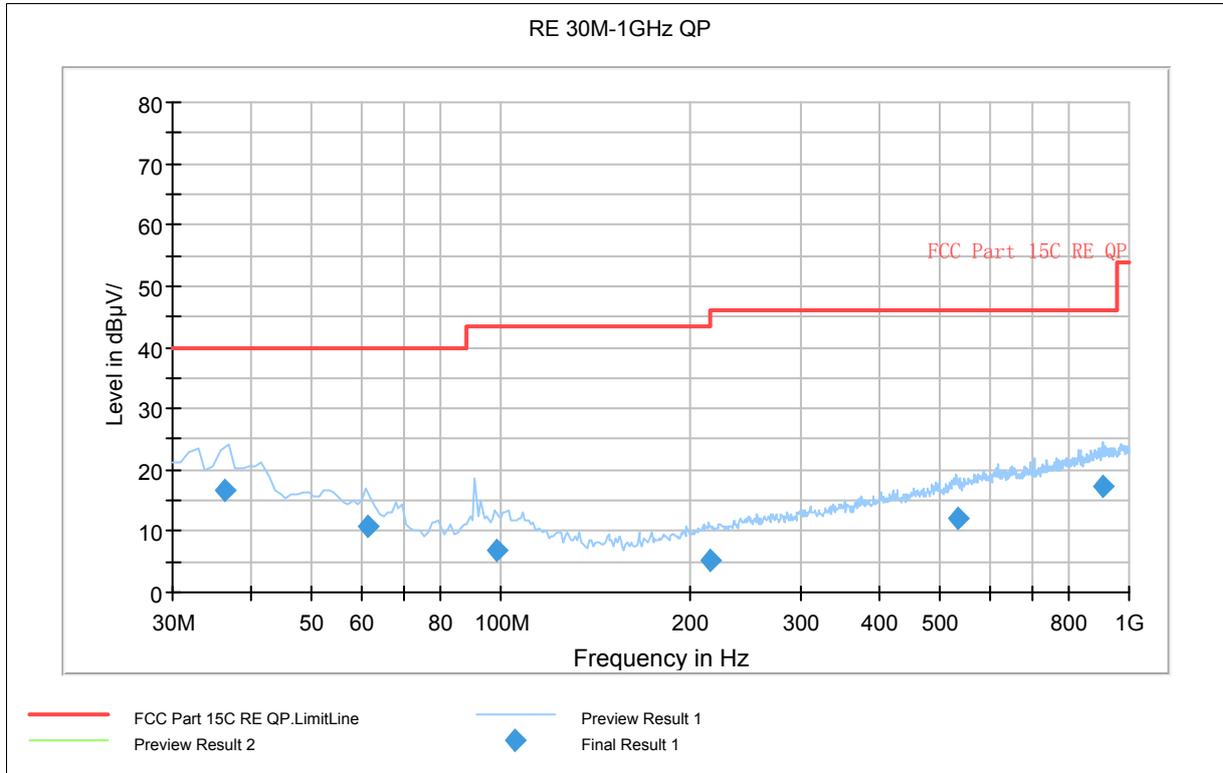
Radiates Emission from 3GHz to 18GHz



Radiates Emission from 18GHz to 26.5GHz

TA Technology (Shanghai) Co., Ltd. Test Report

802.11n CH6



Radiates Emission from 30MHz to 1GHz

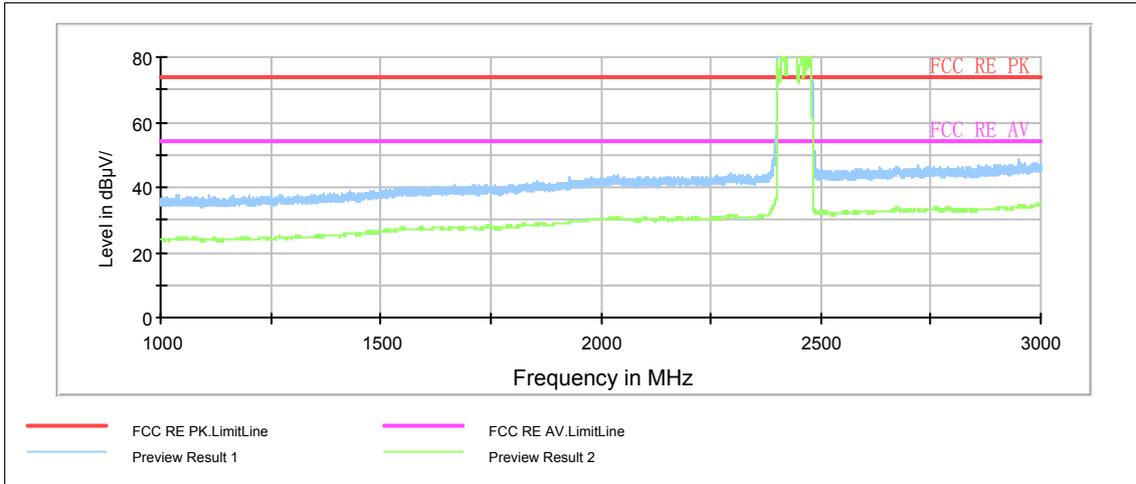
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.270000	16.5	100.0	V	3.0	41.2	-24.7	23.5	40.0
61.560000	10.6	100.0	V	219.0	38.4	-27.8	29.4	40.0
98.180000	6.9	125.0	H	220.0	35.1	-28.2	36.6	43.5
214.780000	5.2	225.0	H	112.0	35.1	-29.9	38.3	43.5
532.050000	12.2	116.0	V	121.0	34.6	-22.4	33.8	46.0
907.400000	17.2	100.0	V	3.0	34.2	-17.0	28.8	46.0

Remark: 1. Quasi-Peak = Reading value + Correction factor

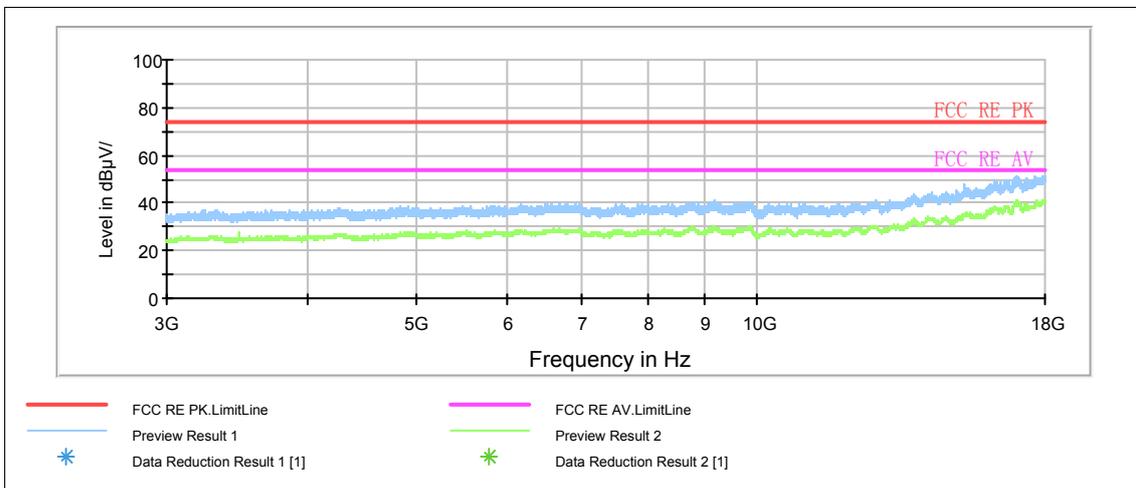
2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak

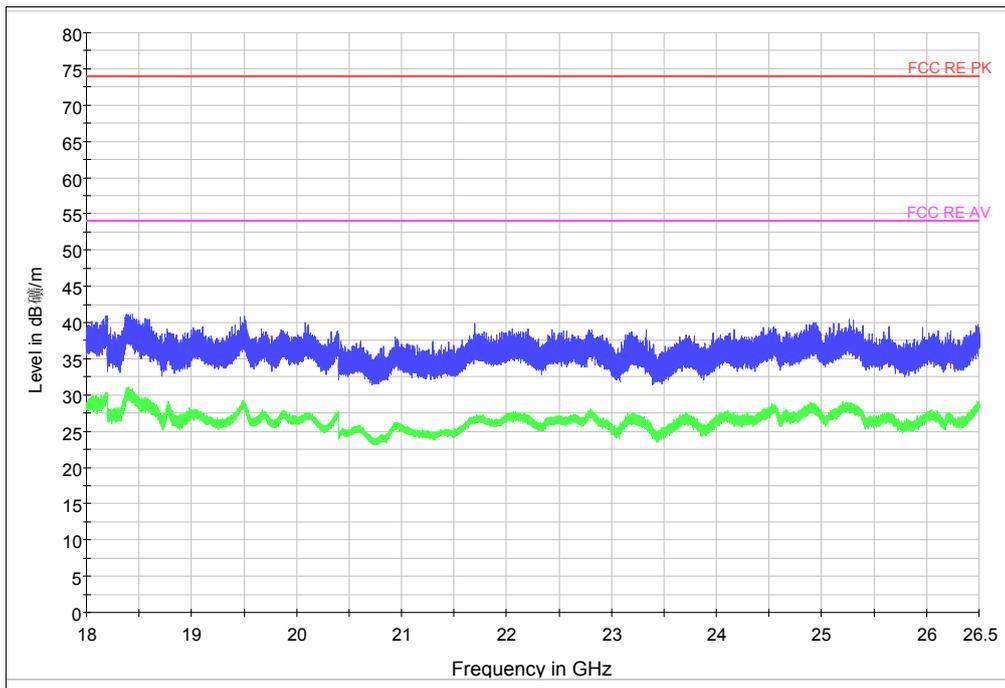
TA Technology (Shanghai) Co., Ltd. Test Report



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



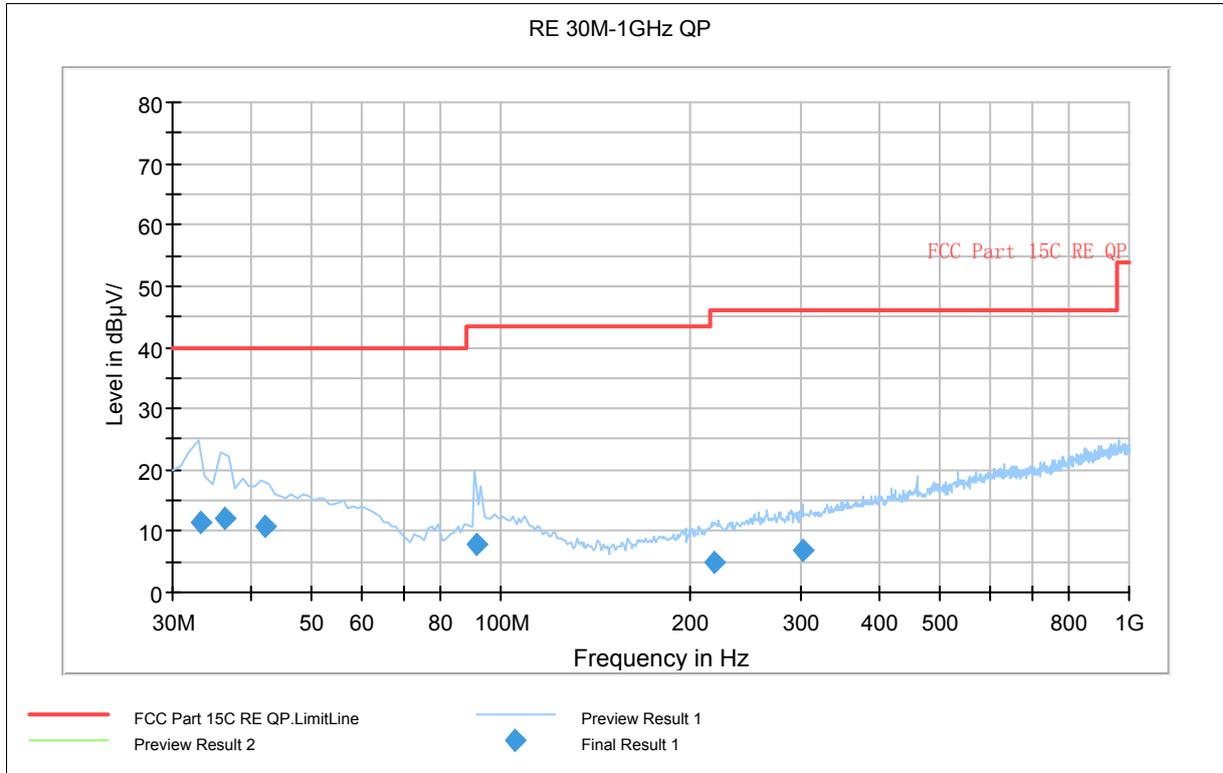
Radiates Emission from 3GHz to 18GHz



Radiates Emission from 18GHz to 26.5GHz

TA Technology (Shanghai) Co., Ltd. Test Report

802.11n CH11



Radiates Emission from 30MHz to 1GHz

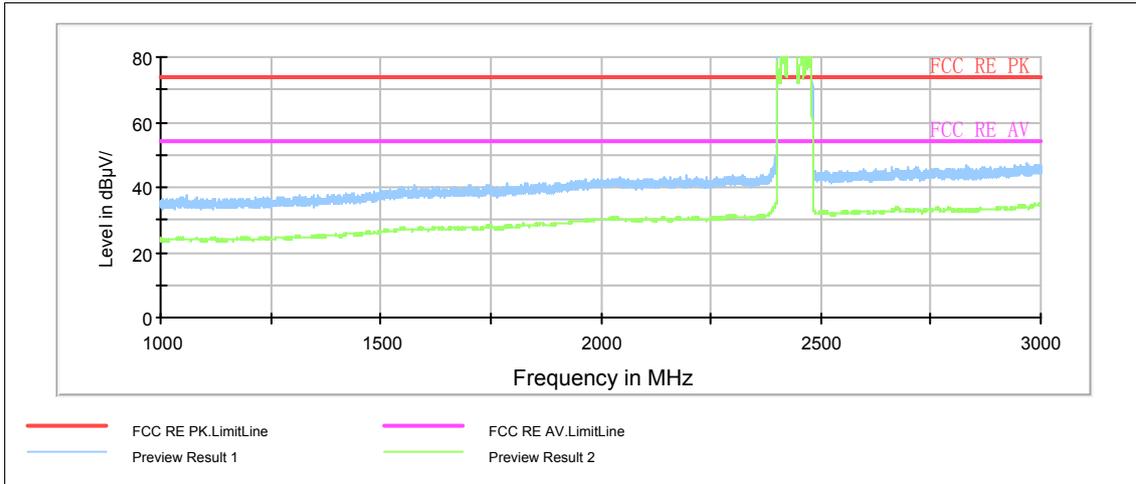
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
33.230000	11.3	100.0	V	359.0	35.8	-24.5	28.7	40.0
36.260000	12.0	100.0	V	264.0	36.7	-24.7	28.0	40.0
42.240000	10.7	100.0	V	0.0	35.3	-24.6	29.3	40.0
91.390000	8.0	206.0	H	273.0	36.8	-28.8	35.5	43.5
218.870000	4.8	116.0	V	206.0	34.5	-29.7	41.2	46.0
302.210000	6.9	199.0	H	283.0	34.3	-27.4	39.1	46.0

Remark: 1. Quasi-Peak = Reading value + Correction factor

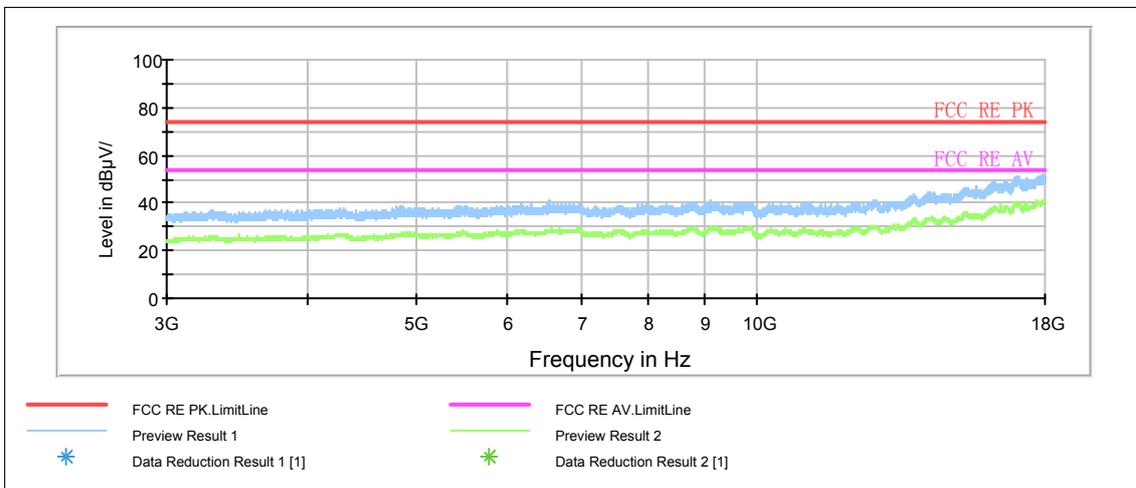
2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak

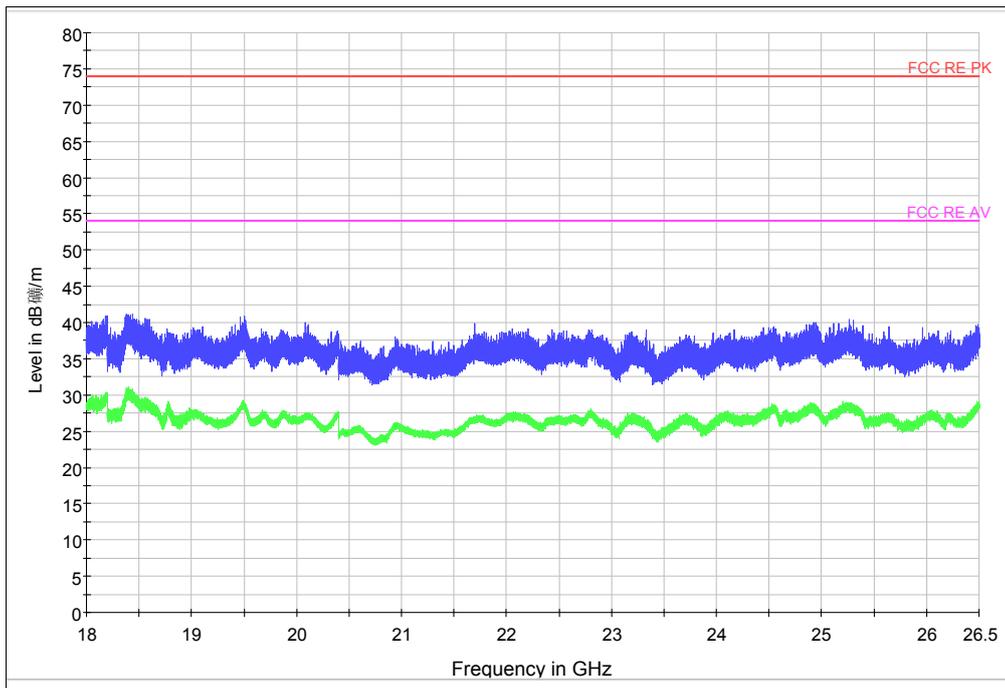
TA Technology (Shanghai) Co., Ltd. Test Report



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz



Radiates Emission from 18GHz to 26.5GHz

2.9. Conducted Emissions

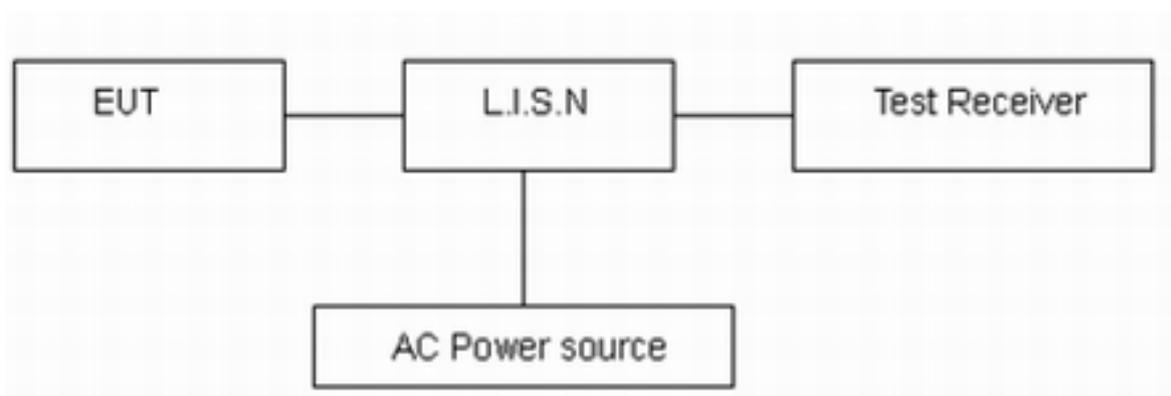
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT IS placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSIC63.4-2003.Connect the AC power line of the EUT to the LISN Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9kHz,VBW is set to 30kHz The measurement result should include both L line and N line.
The test is in transmit mode.

Test setup



Note: AC Power source is used to change the voltage from 220V/50Hz to 110V/60Hz.

Limits

Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46 *
0.5 - 5	56	46
5 - 30	60	50

*: Decreases with the logarithm of the frequency.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U = 2.69$ dB.

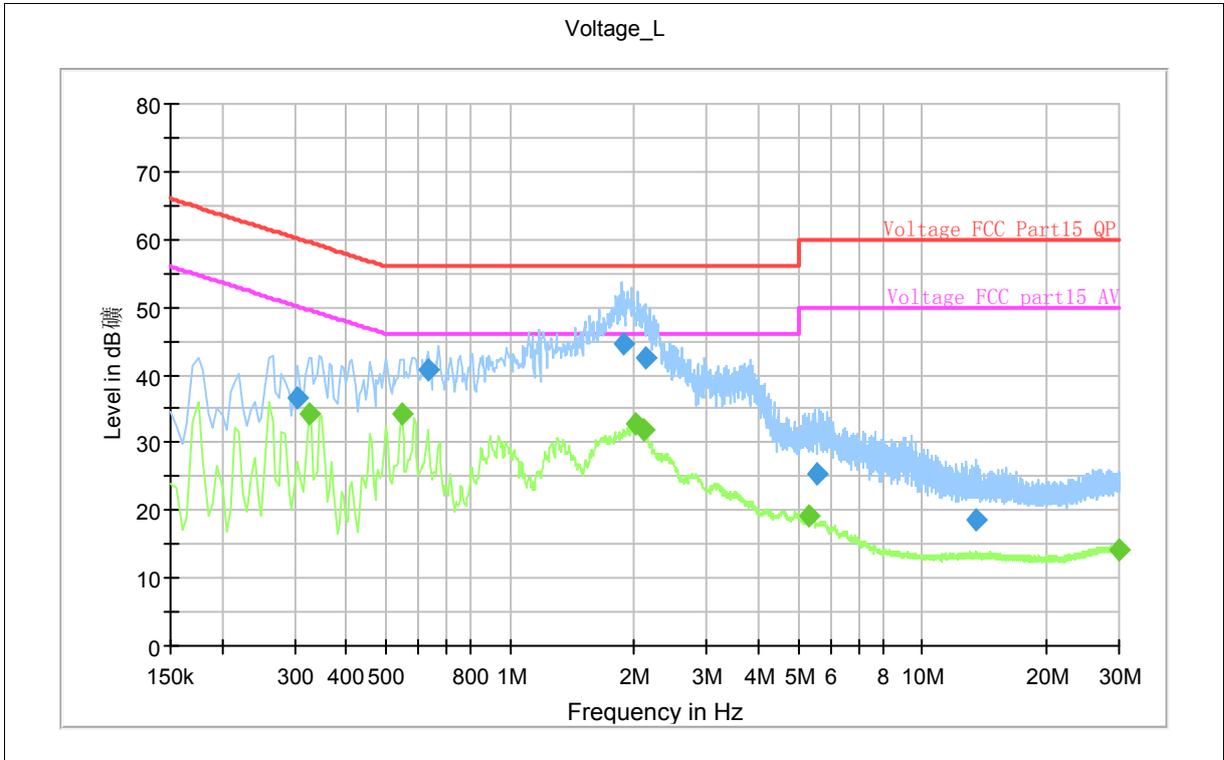
TA Technology (Shanghai) Co., Ltd. Test Report

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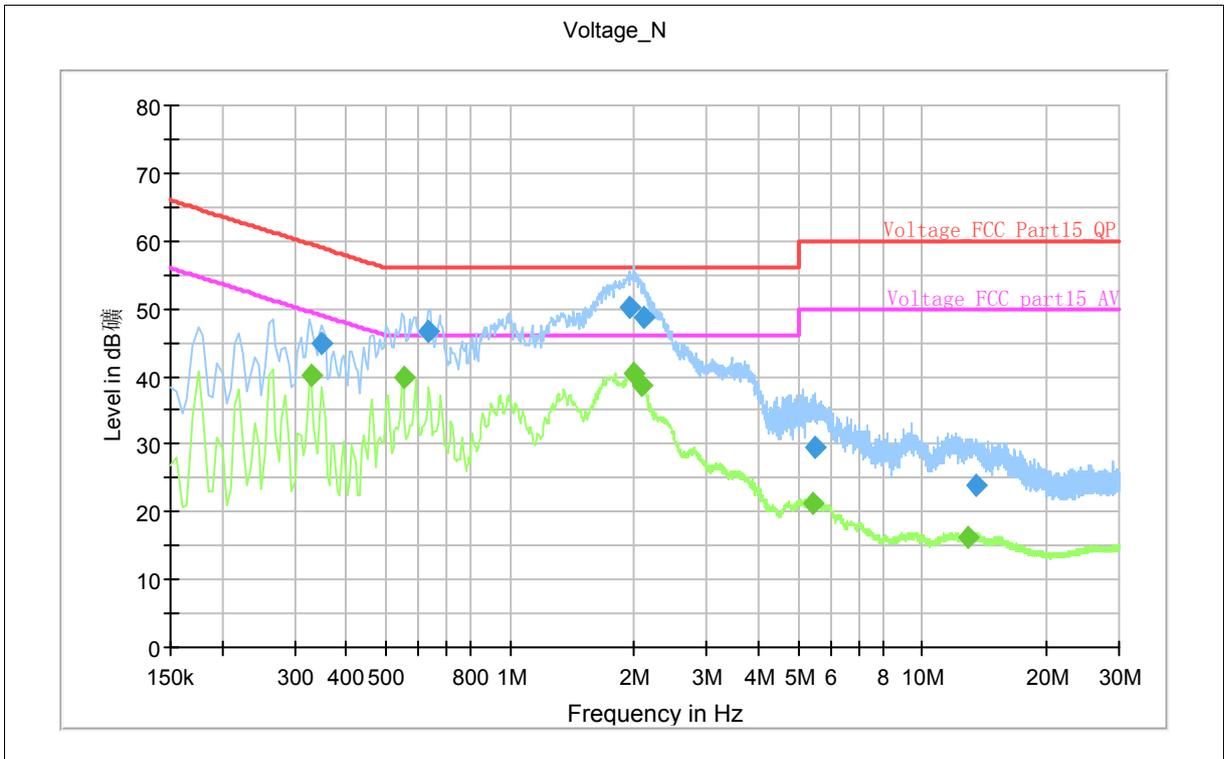
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Test Results:

802.11b CH1



L Line



N Line

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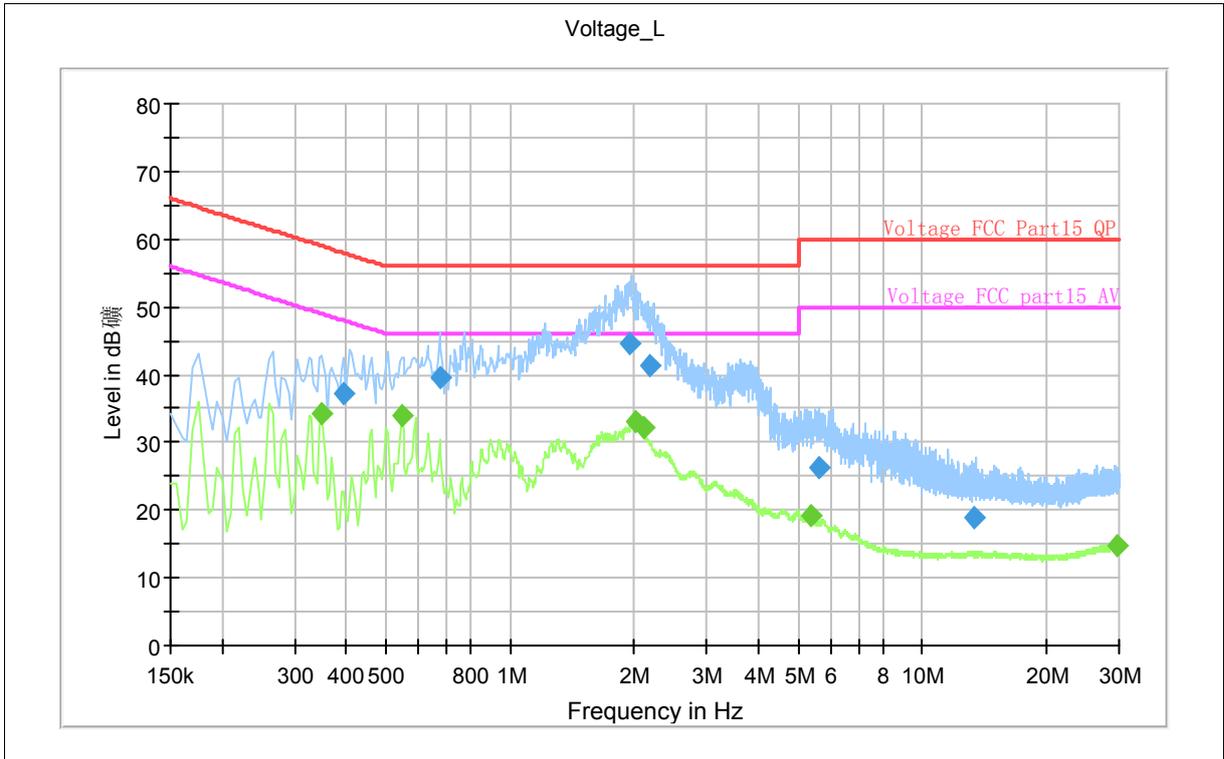
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Frequency (MHz)	Detector	Line	Reading Value(dB μ V)	Emission Level (dB μ V)	Limit (dB μ V)	Margin (dB)	Corr. Factor (dB)
0.325	Average	L	15	34.2	49.6	15.4	19.2
0.33	Average	N	21	40.2	49.5	9.3	19.2
0.545	Average	L	14.9	34.1	46	11.9	19.2
0.55	Average	N	20.4	39.7	46	6.3	19.3
1.995	Average	N	21.4	40.5	46	5.5	19.1
2.095	Average	N	19.7	38.8	46	7.2	19.1
0.35	Quasi-peak	N	25.5	44.7	59	14.3	19.2
0.635	Quasi-peak	N	27.5	46.8	56	9.2	19.3
1.885	Quasi-peak	L	25.3	44.5	56	11.5	19.2
1.96	Quasi-peak	N	31	50.1	56	5.9	19.1
2.1	Quasi-peak	N	29.5	48.6	56	7.4	19.1
2.14	Quasi-peak	L	23.4	42.5	56	13.5	19.1

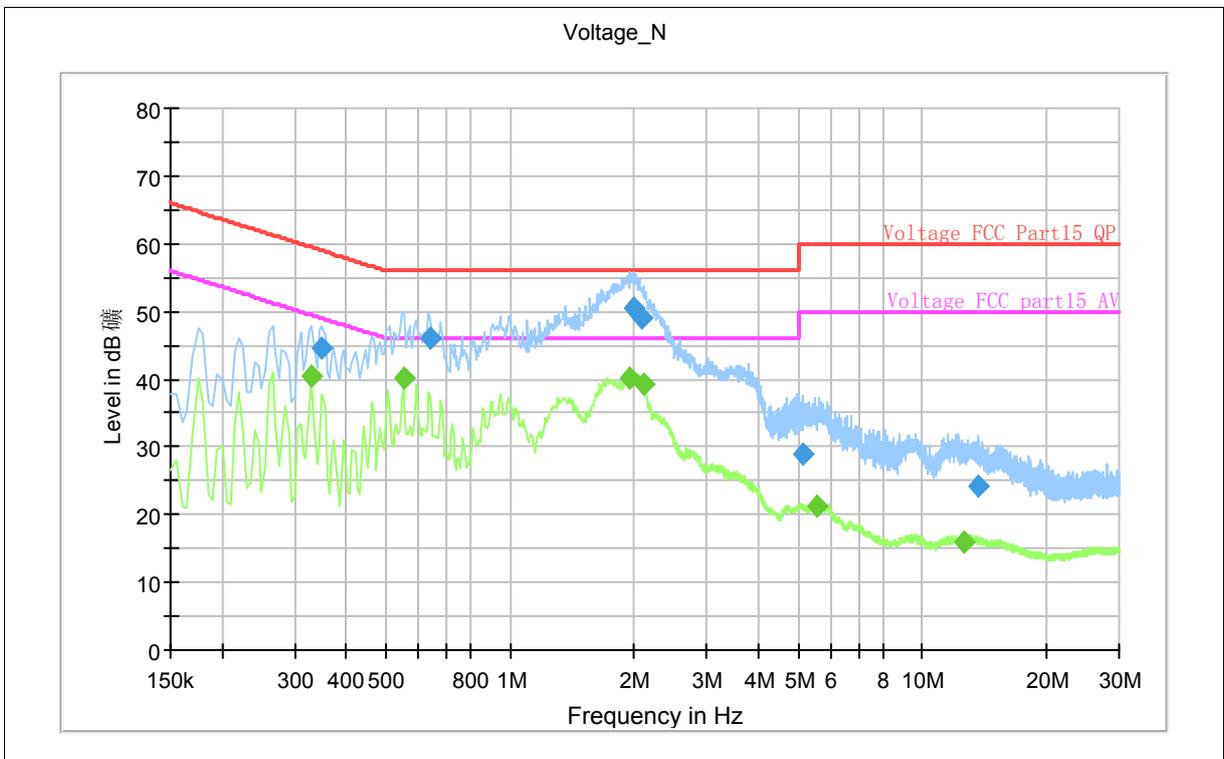
- Remark:**
1. Emission level = Reading value + Correction factor
 2. Margin = Limit – Emission level
 3. Correction Factor = Insertion loss + Cable loss

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802.11b CH6



L Line



N Line

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Frequency (MHz)	Detector	Line	Reading Value(dBμV)	Emission Level (dBμV)	Limit (dBμV)	Margin (dB)	Corr. Factor (dB)
0.33	Average	N	21.1	40.3	49.5	9.2	19.2
0.35	Average	L	15	34.2	49	14.8	19.2
0.545	Average	L	14.8	34	46	12	19.2
0.55	Average	N	21	40.3	46	5.7	19.3
1.96	Average	N	21.2	40.3	46	5.7	19.1
2.11	Average	N	20.1	39.2	46	6.8	19.1
0.35	Quasi-peak	N	25.3	44.5	59	14.5	19.2
0.64	Quasi-peak	N	26.8	46.1	56	9.9	19.3
1.94	Quasi-peak	L	25.4	44.5	56	11.5	19.1
2.005	Quasi-peak	N	31.4	50.5	56	5.5	19.1
2.09	Quasi-peak	N	30	49.1	56	6.9	19.1
2.185	Quasi-peak	L	22.3	41.4	56	14.6	19.1

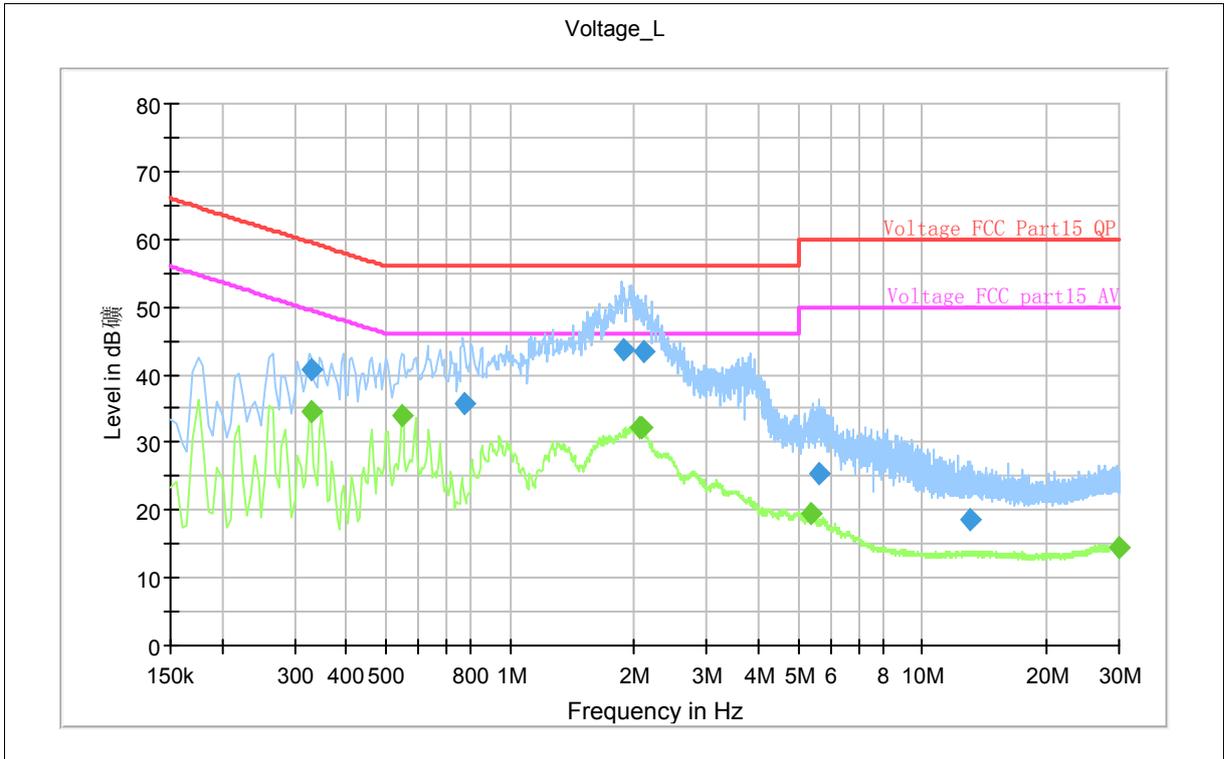
Remark: 1. Emission level = Reading value + Correction factor

2. Margin = Limit – Emission level

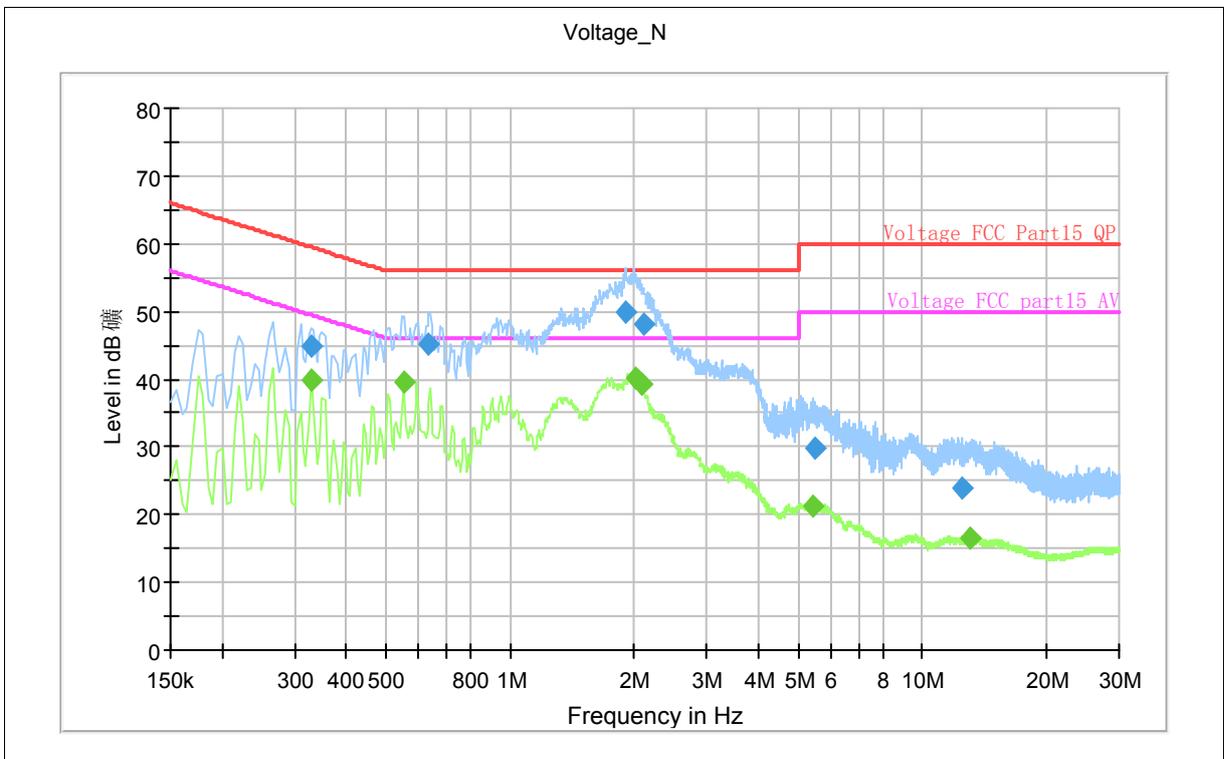
3. Correction Factor = Insertion loss + Cable loss

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L Line



N Line

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Frequency (MHz)	Detector	Line	Reading Value(dB μ V)	Emission Level (dB μ V)	Limit (dB μ V)	Margin (dB)	Corr. Factor (dB)
0.33	Average	N	20.6	39.8	49.5	9.7	19.2
0.33	Average	L	15.3	34.5	49.5	15	19.2
0.545	Average	L	14.6	33.8	46	12.2	19.2
0.55	Average	N	20.3	39.6	46	6.4	19.3
2.025	Average	N	21.2	40.3	46	5.7	19.1
2.095	Average	N	20.3	39.4	46	6.6	19.1
0.33	Quasi-peak	N	25.7	44.9	59.5	14.6	19.2
0.635	Quasi-peak	N	26	45.3	56	10.7	19.3
1.88	Quasi-peak	L	24.6	43.8	56	12.2	19.2
1.9	Quasi-peak	N	30.6	49.8	56	6.2	19.2
2.1	Quasi-peak	L	24.3	43.4	56	12.6	19.1
2.115	Quasi-peak	N	29.1	48.2	56	7.8	19.1

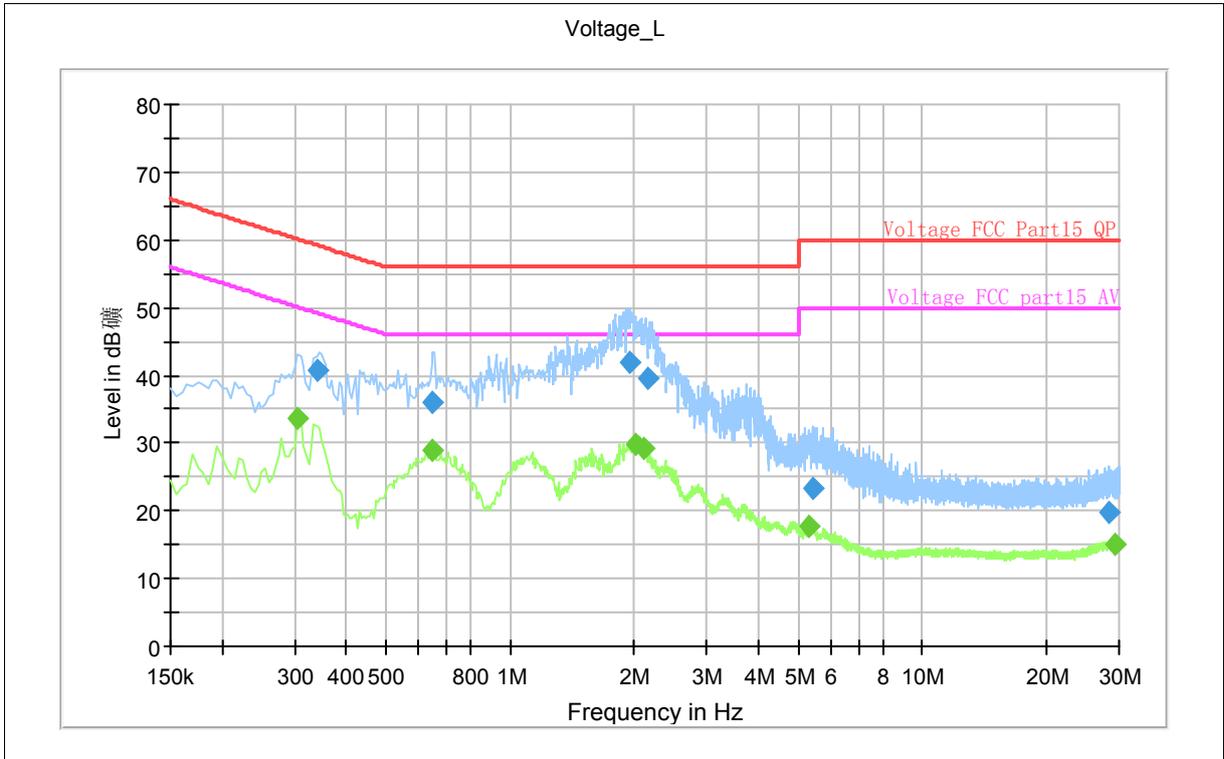
Remark: 1. Emission level = Reading value + Correction factor

2. Margin = Limit – Emission level

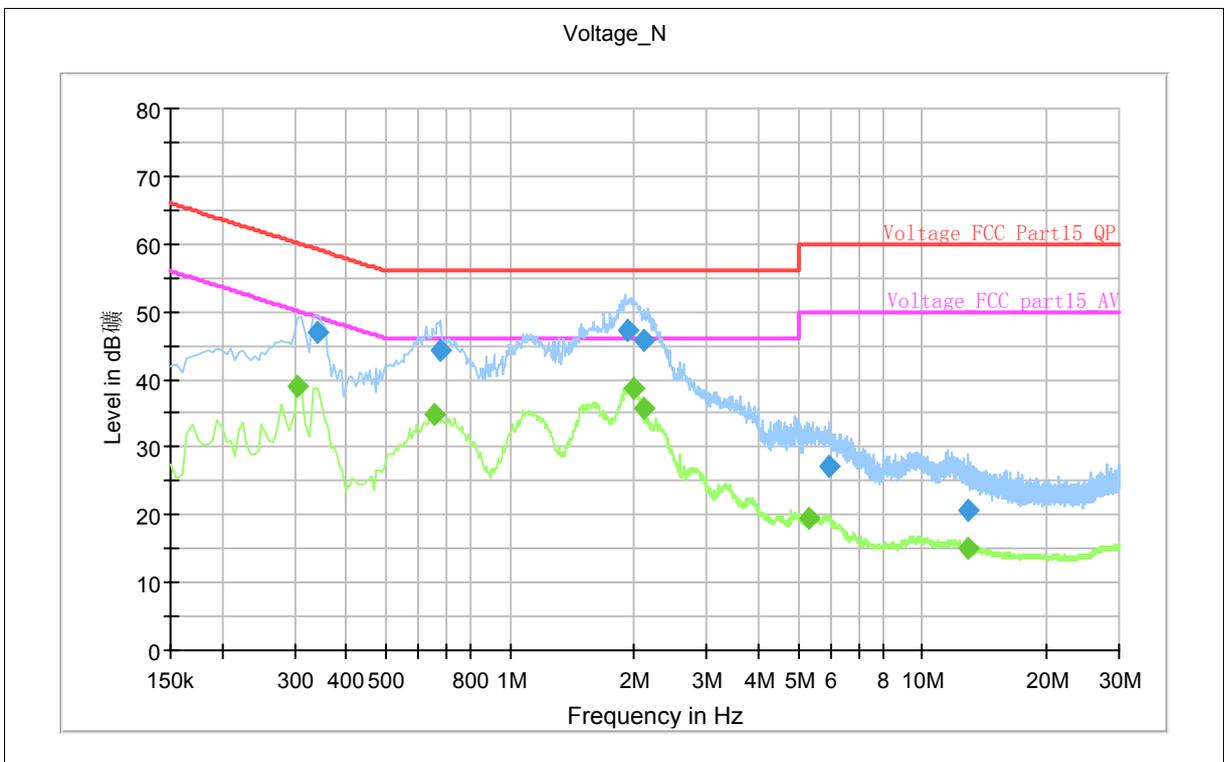
3. Correction Factor = Insertion loss + Cable loss

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L Line



N Line

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Frequency (MHz)	Detector	Line	Reading Value(dB μ V)	Emission Level (dB μ V)	Limit (dB μ V)	Margin (dB)	Corr. Factor (dB)
0.305	Average	N	19.8	39	50.1	11.1	19.2
0.305	Average	L	14.6	33.8	50.1	16.3	19.2
0.655	Average	N	15.4	34.7	46	11.3	19.3
1.985	Average	N	19.5	38.6	46	7.4	19.1
2.025	Average	L	10.8	29.9	46	16.1	19.1
2.1	Average	N	16.5	35.6	46	10.4	19.1
0.34	Quasi-peak	N	27.7	46.9	59.2	12.3	19.2
0.34	Quasi-peak	L	21.5	40.7	59.2	18.5	19.2
0.675	Quasi-peak	N	25.1	44.4	56	11.6	19.3
1.93	Quasi-peak	N	28.1	47.3	56	8.7	19.2
1.94	Quasi-peak	L	22.9	42	56	14	19.1
2.115	Quasi-peak	N	26.8	45.9	56	10.1	19.1

Remark: 1. Emission level = Reading value + Correction factor

2. Margin = Limit – Emission level

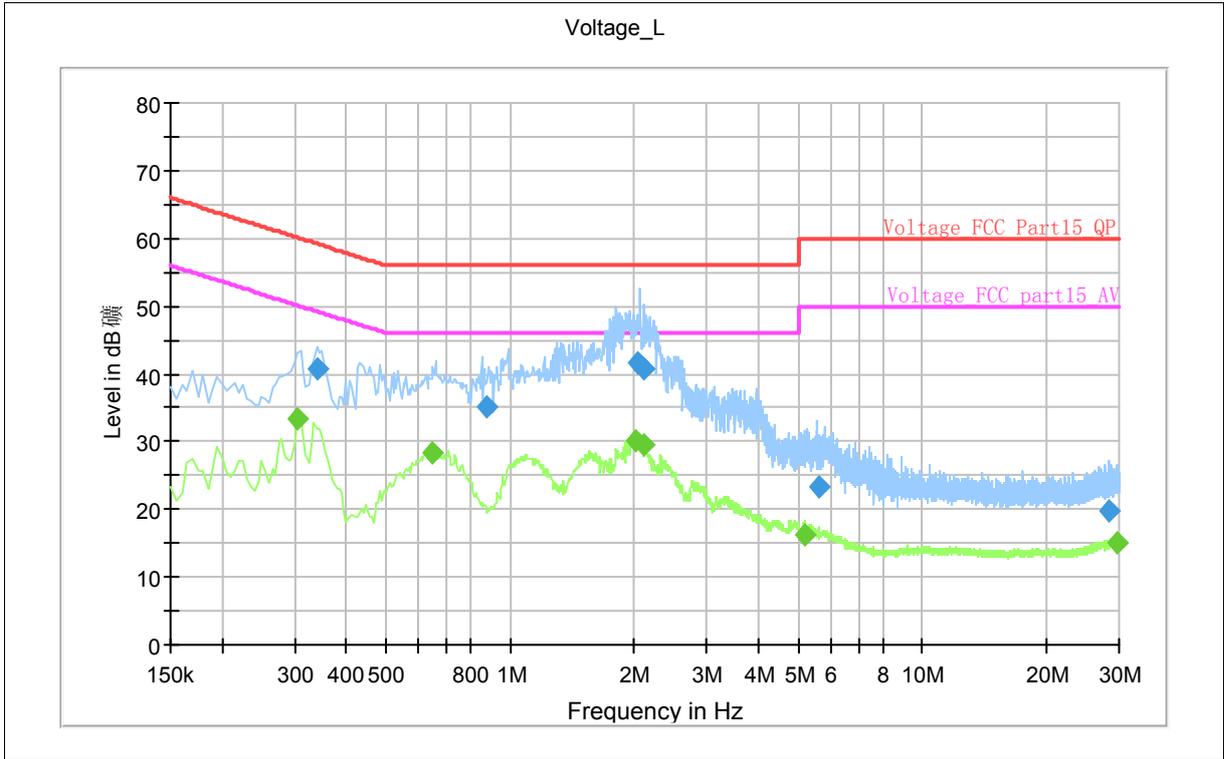
3. Correction Factor = Insertion loss + Cable loss

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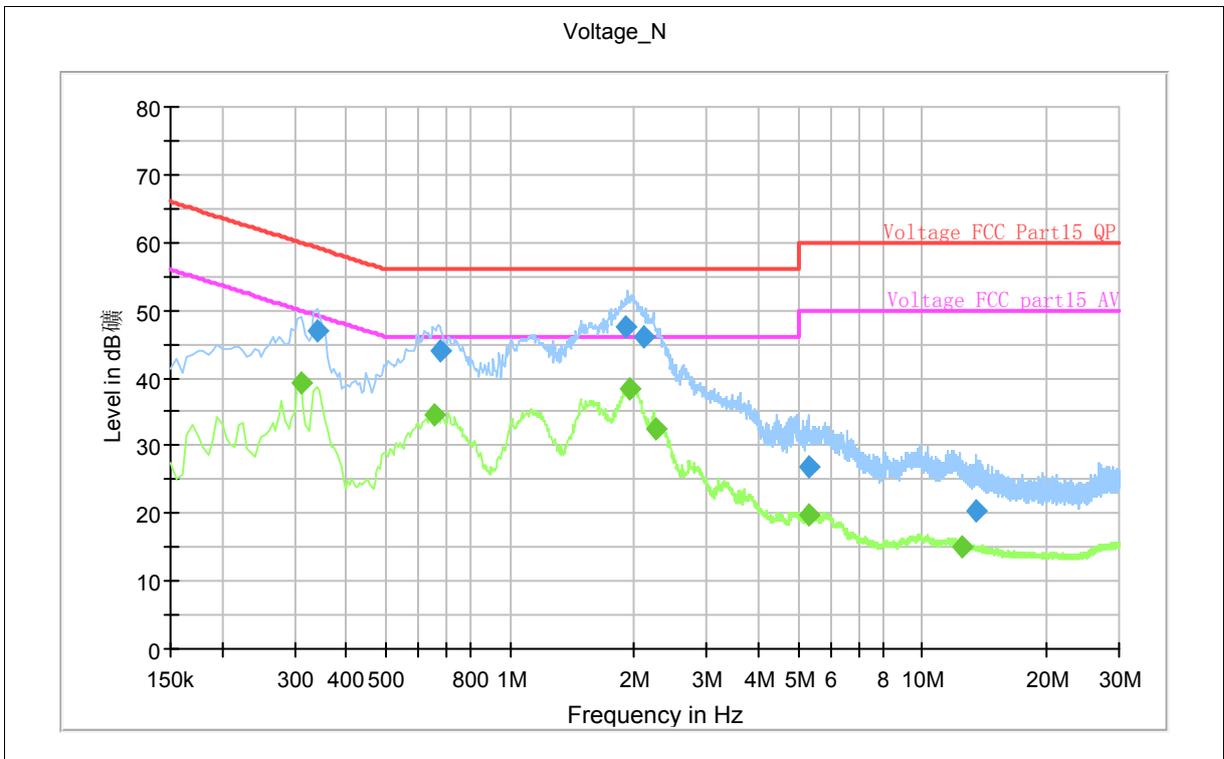
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L Line



N Line

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Frequency (MHz)	Detector	Line	Reading Value(dBμV)	Emission Level (dBμV)	Limit (dBμV)	Margin (dB)	Corr. Factor (dB)
0.305	Average	L	14.1	33.3	50.1	16.8	19.2
0.31	Average	N	20	39.2	50	10.8	19.2
0.655	Average	N	15.3	34.6	46	11.4	19.3
1.94	Average	N	19.3	38.4	46	7.6	19.1
2.02	Average	L	11	30.1	46	15.9	19.1
2.26	Average	N	13.4	32.5	46	13.5	19.1
0.34	Quasi-peak	N	27.7	46.9	59.2	12.3	19.2
0.34	Quasi-peak	L	21.6	40.8	59.2	18.4	19.2
0.68	Quasi-peak	N	24.6	43.9	56	12.1	19.3
1.905	Quasi-peak	N	28.3	47.5	56	8.5	19.2
2.03	Quasi-peak	L	22.6	41.7	56	14.3	19.1
2.1	Quasi-peak	N	26.9	46	56	10	19.1

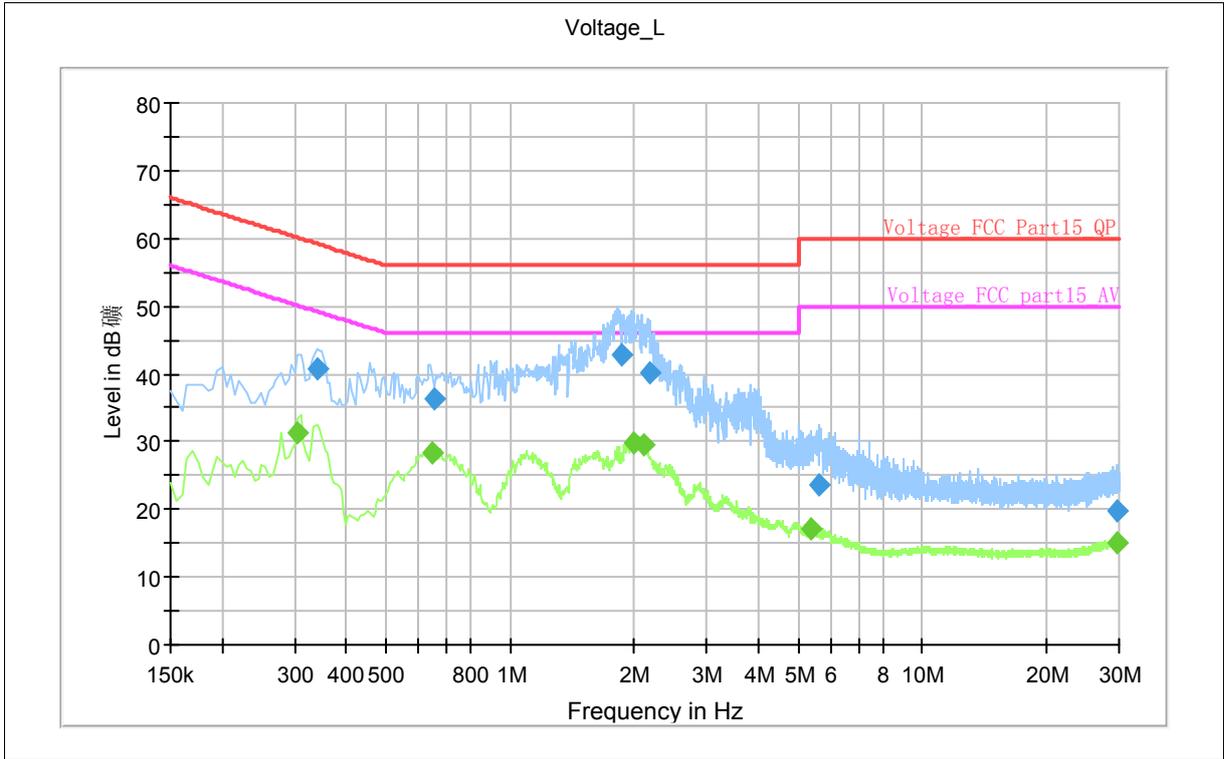
Remark: 1. Emission level = Reading value + Correction factor

2. Margin = Limit – Emission level

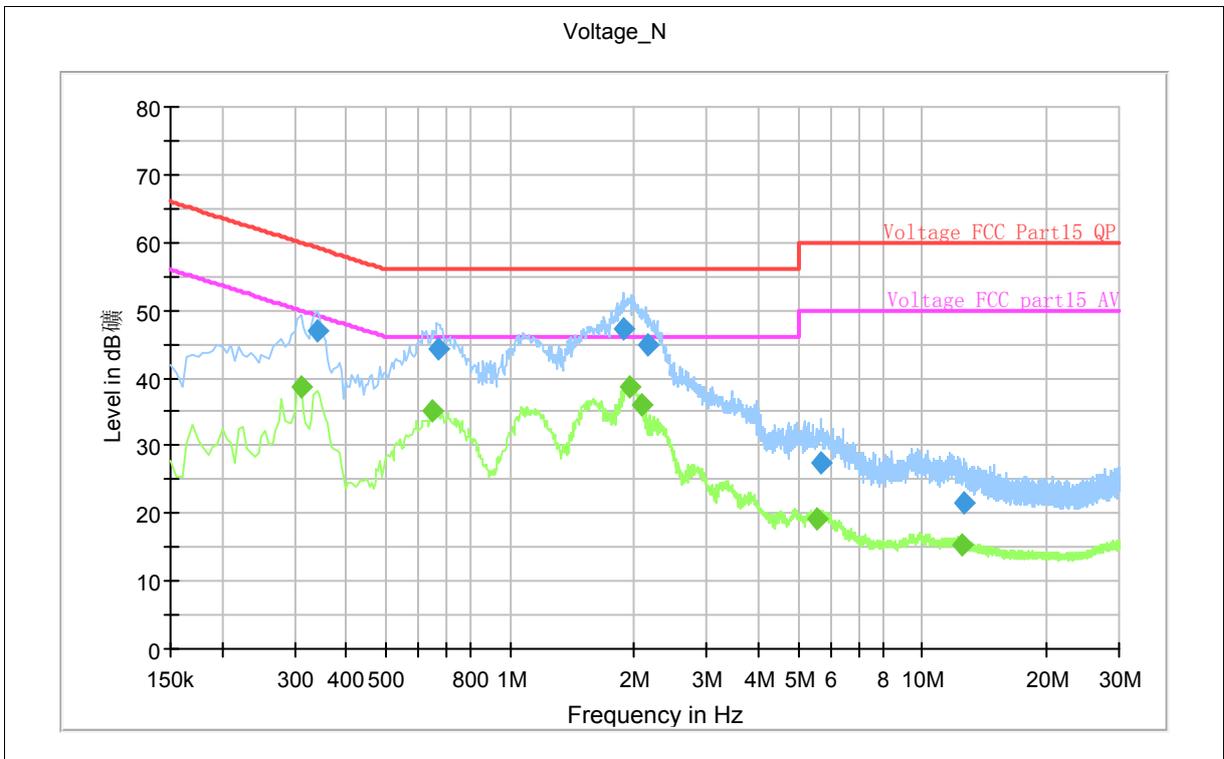
3. Correction Factor = Insertion loss + Cable loss

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L Line



N Line

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Frequency (MHz)	Detector	Line	Reading Value(dBμV)	Emission Level (dBμV)	Limit (dBμV)	Margin (dB)	Corr. Factor (dB)
0.305	Average	L	12	31.2	50.1	18.9	19.2
0.31	Average	N	19.5	38.7	50	11.3	19.2
0.65	Average	N	16	35.3	46	10.7	19.3
1.96	Average	N	19.7	38.8	46	7.2	19.1
1.995	Average	L	10.8	29.9	46	16.1	19.1
2.085	Average	N	17	36.1	46	9.9	19.1
0.34	Quasi-peak	N	27.6	46.8	59.2	12.4	19.2
0.34	Quasi-peak	L	21.4	40.6	59.2	18.6	19.2
0.67	Quasi-peak	N	24.8	44.1	56	11.9	19.3
1.86	Quasi-peak	L	23.6	42.8	56	13.2	19.2
1.89	Quasi-peak	N	27.9	47.1	56	8.9	19.2
2.15	Quasi-peak	N	25.9	45	56	11	19.1

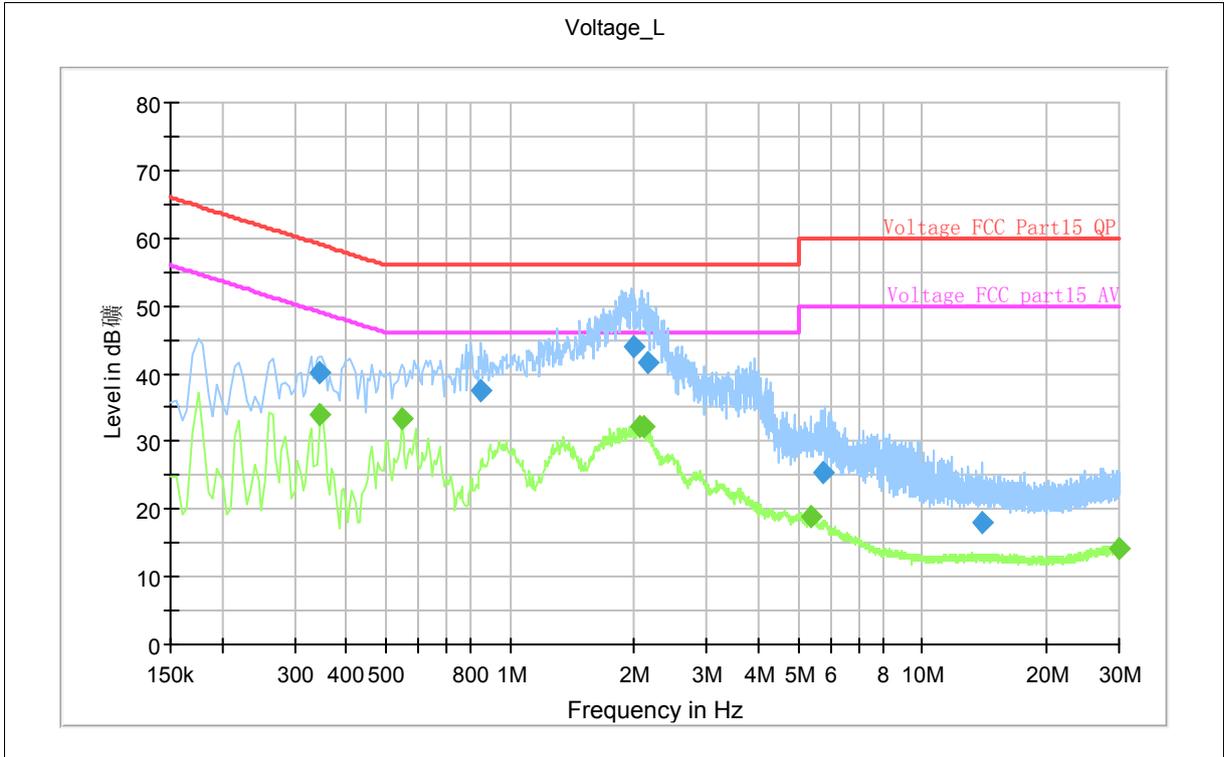
Remark: 1. Emission level = Reading value + Correction factor

2. Margin = Limit – Emission level

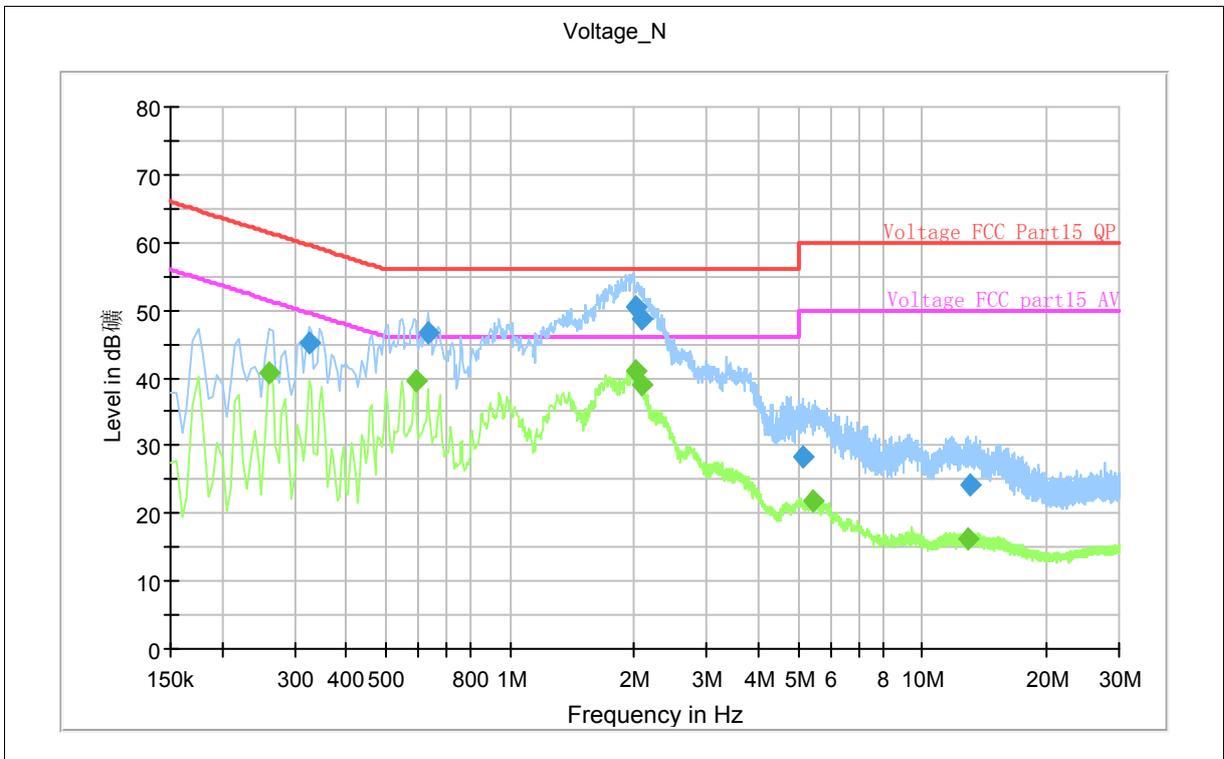
3. Correction Factor = Insertion loss + Cable loss

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L Line



N Line

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Frequency (MHz)	Detector	Line	Reading Value(dBμV)	Emission Level (dBμV)	Limit (dBμV)	Margin (dB)	Corr. Factor (dB)
0.26	Average	N	21.7	40.8	51.4	10.6	19.1
0.345	Average	L	14.9	34.1	49.1	15	19.2
0.545	Average	L	14.2	33.4	46	12.6	19.2
0.59	Average	N	20.2	39.5	46	6.5	19.3
2.015	Average	N	21.8	40.9	46	5.1	19.1
2.095	Average	N	19.9	39	46	7	19.1
0.325	Quasi-peak	N	25.8	45	59.6	14.6	19.2
0.635	Quasi-peak	N	27.3	46.6	56	9.4	19.3
2	Quasi-peak	L	25	44.1	56	11.9	19.1
2.015	Quasi-peak	N	31.3	50.4	56	5.6	19.1
2.09	Quasi-peak	N	29.5	48.6	56	7.4	19.1
2.15	Quasi-peak	L	22.6	41.7	56	14.3	19.1

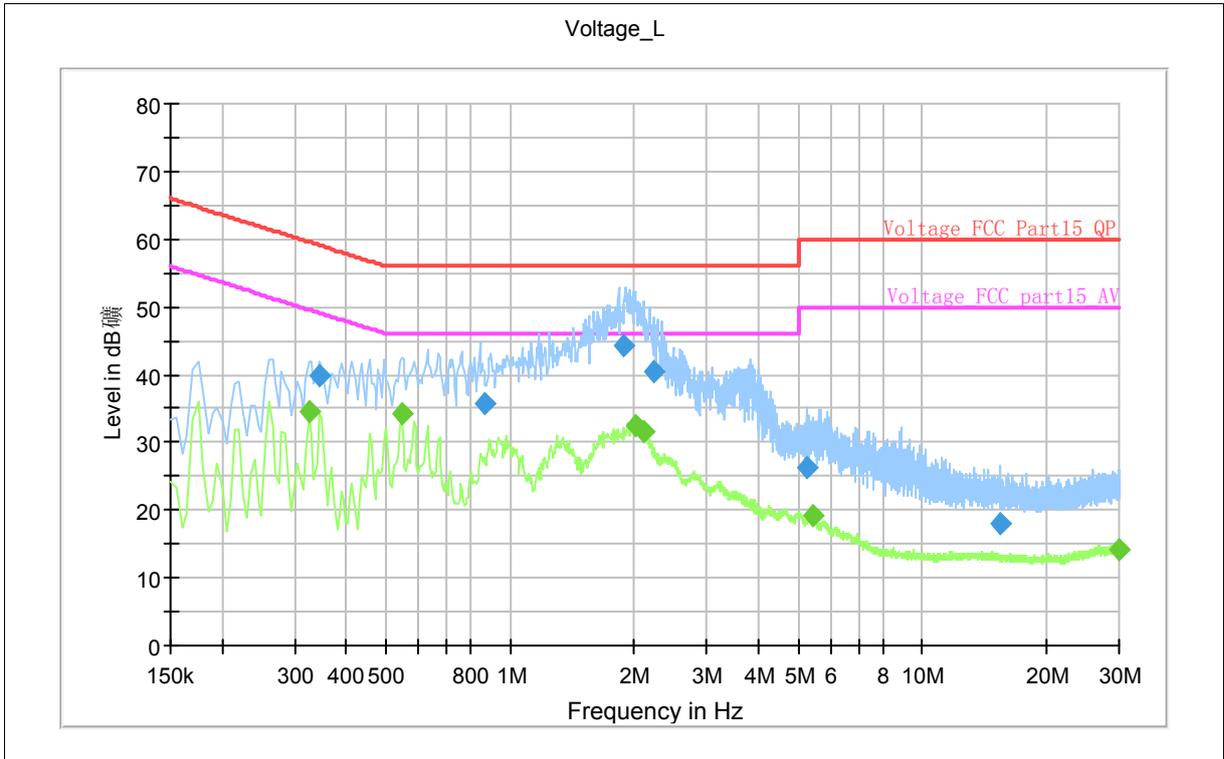
Remark: 1. Emission level = Reading value + Correction factor

2. Margin = Limit – Emission level

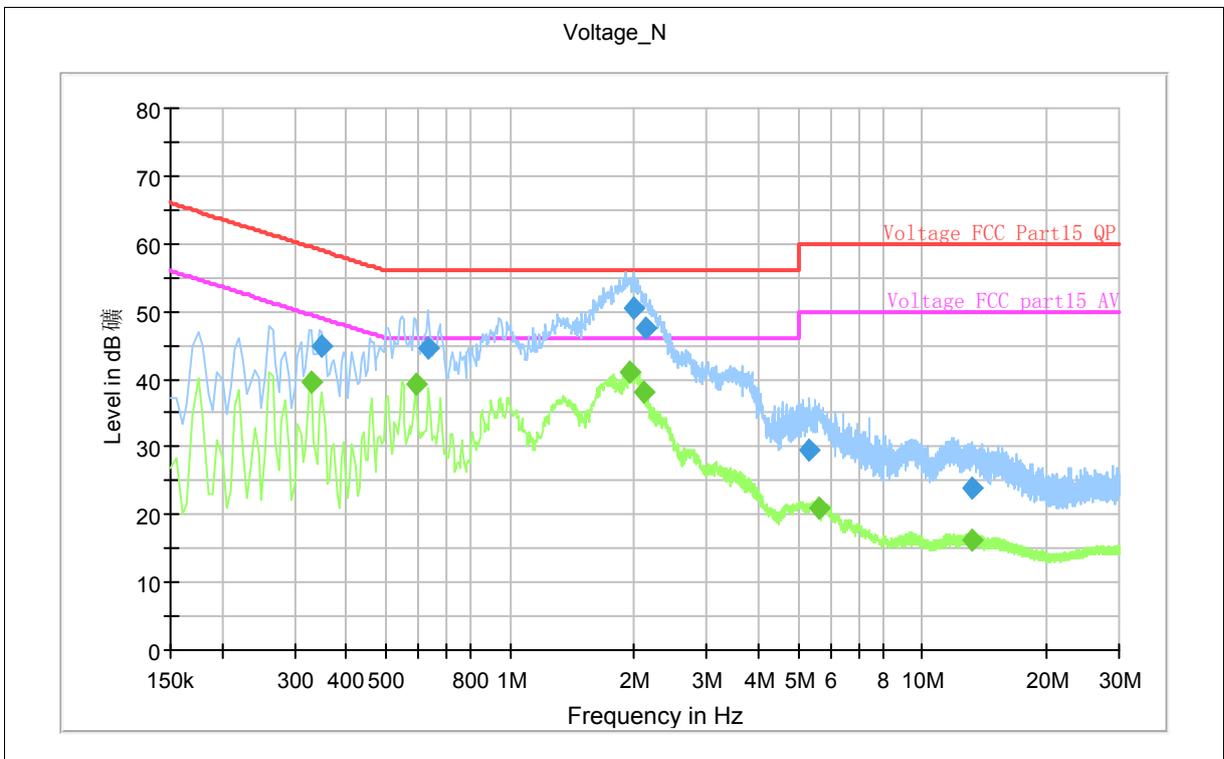
3. Correction Factor = Insertion loss + Cable loss

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L Line



N Line

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Frequency (MHz)	Detector	Line	Reading Value(dBμV)	Emission Level (dBμV)	Limit (dBμV)	Margin (dB)	Corr. Factor (dB)
0.325	Average	L	15.3	34.5	49.6	15.1	19.2
0.33	Average	N	20.5	39.7	49.5	9.8	19.2
0.545	Average	L	15	34.2	46	11.8	19.2
0.59	Average	N	20.1	39.4	46	6.6	19.3
1.955	Average	N	21.8	40.9	46	5.1	19.1
2.1	Average	N	18.8	37.9	46	8.1	19.1
0.35	Quasi-peak	N	25.7	44.9	59	14.1	19.2
0.63	Quasi-peak	N	25.2	44.5	56	11.5	19.3
1.875	Quasi-peak	L	25.1	44.3	56	11.7	19.2
1.985	Quasi-peak	N	31.5	50.6	56	5.4	19.1
2.14	Quasi-peak	N	28.5	47.6	56	8.4	19.1
2.22	Quasi-peak	L	21.4	40.5	56	15.5	19.1

Remark: 1. Emission level = Reading value + Correction factor

2. Margin = Limit – Emission level

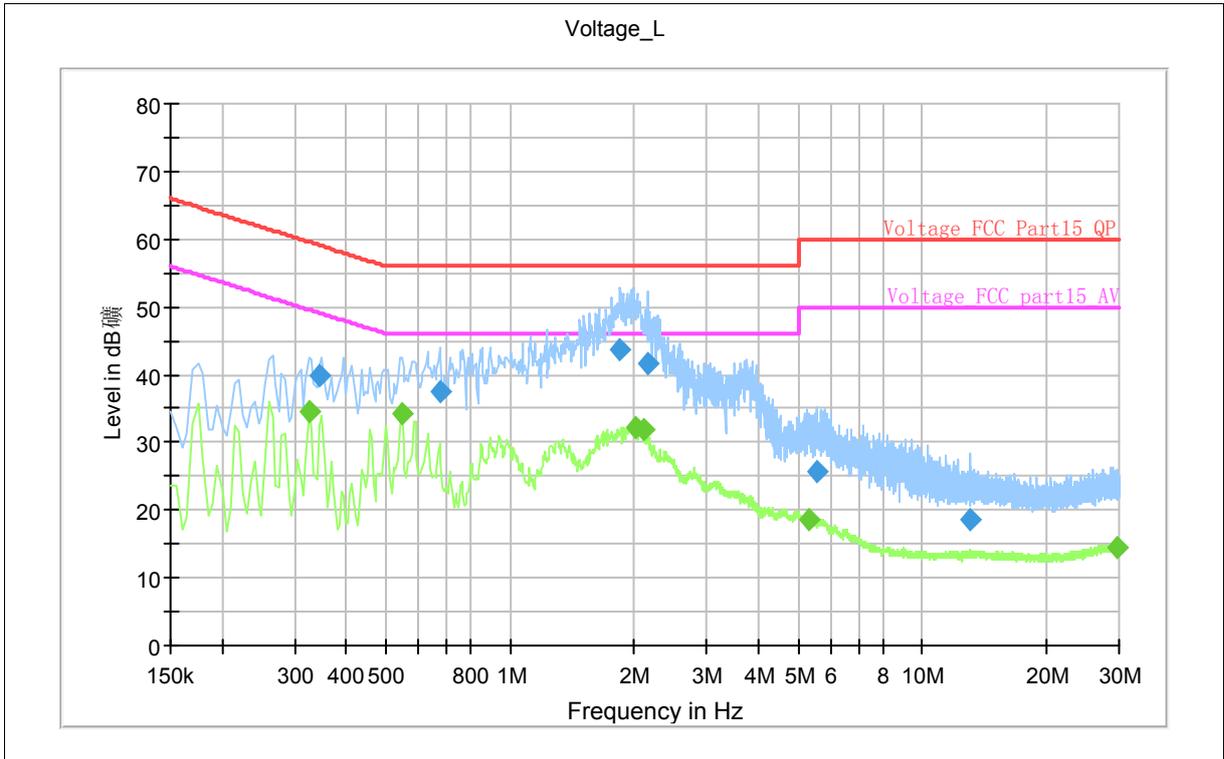
3. Correction Factor = Insertion loss + Cable loss

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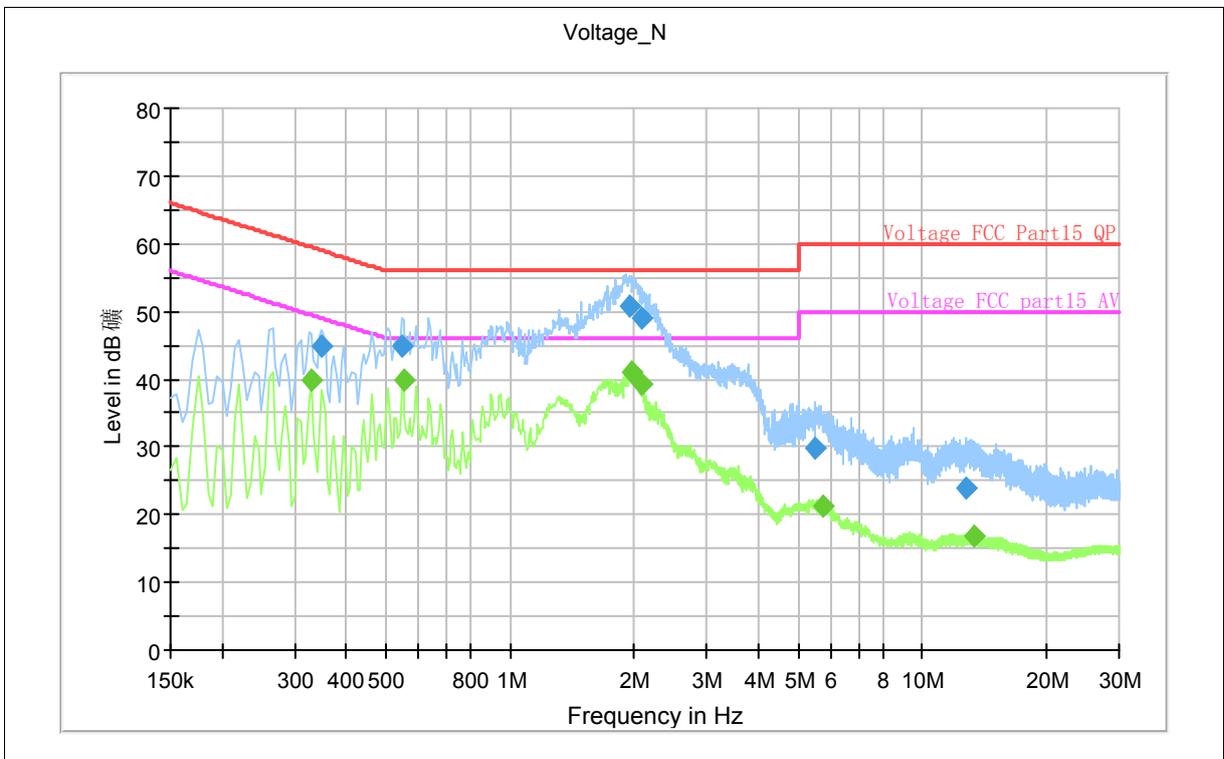
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L Line



N Line

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Frequency (MHz)	Detector	Line	Reading Value(dBμV)	Emission Level (dBμV)	Limit (dBμV)	Margin (dB)	Corr. Factor (dB)
0.325	Average	L	15.3	34.5	49.6	15.1	19.2
0.33	Average	N	20.7	39.9	49.5	9.6	19.2
0.545	Average	L	14.9	34.1	46	11.9	19.2
0.55	Average	N	20.6	39.9	46	6.1	19.3
1.975	Average	N	21.8	40.9	46	5.1	19.1
2.085	Average	N	20.1	39.2	46	6.8	19.1
0.35	Quasi-peak	N	25.6	44.8	59	14.2	19.2
0.545	Quasi-peak	N	25.6	44.8	56	11.2	19.2
1.84	Quasi-peak	L	24.5	43.7	56	12.3	19.2
1.96	Quasi-peak	N	31.8	50.9	56	5.1	19.1
2.085	Quasi-peak	N	29.9	49	56	7	19.1
2.155	Quasi-peak	L	22.5	41.6	56	14.4	19.1

Remark: 1. Emission level = Reading value + Correction factor

2. Margin = Limit – Emission level

3. Correction Factor = Insertion loss + Cable loss

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2. Main Test Instruments

No.	Name	Type	Manufacturer	Serial Number	Calibration Date	Valid Period
01	Signal Analyzer	FSV	R&S	100815	2011-06-26	One year
02	Network Analyze	E5071B	Agilent	MY42404014	2011-06-07	One year
03	Signal generator	SMR27	R&S	100365	2011-06-30	One year
04	Spectrum Analyzer	E4445A	Agilent	MY46181146	2011-06-06	One year
05	Trilog Antenna	VUBL 9163	SCHWARZB ECK	9163-201	2010-06-29	Two years
06	Horn Antenna	HF907	R&S	100126	2011-07-01	Two years
07	Power Splitter	11667A	Agilent	52960	NA	NA
08	DC Power Supply	GPS-3030D	GM	E877677	NA	NA
09	Climatic Chamber	ESS-SDH401	YIN HE	2006001	2011-02-21	One year
10	Semi-Anechoic Chamber	9.6*6.7*6.6m	ETS-Lindgren	NA	NA	NA
11	EMI test software	ES-K1	R&S	NA	NA	NA

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