



Part 15C

TEST REPORT

Product Name	Smart Phone
Model	HUAWEI Y560-L01, Y560-L01
FCC ID	QISY560-L01
Applicant	Huawei Technologies Co., Ltd.
Manufacturer	Huawei Technologies Co., Ltd.
Date of issue	October 14, 2015

TA Technology (Shanghai) Co., Ltd.

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GENERAL SUMMARY

Reference Standard(s)	FCC CFR47 Part 15C (2014) 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 C63.10 Methods of Measurement of Radio-Noise Emission from Low-Voltage Electrical and Electronic Equipment in the Range of 9 KHz to 40GHz. (2013) KDB 558074 D01 Federal Communications Commission Office of Engineering and Technology Laboratory Division
Conclusion	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. General Judgment: Pass
Comment	The test result only responds to the measured sample.

Approved by Kai Xu
Kai Xu
Director

Revised by Lingling Kang
Lingling Kang
RF Manager

Performed by Peng Tao
Peng Tao
RF Engineer

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1. General Information

1.1. Notes of the test report

TA Technology (Shanghai) Co., Ltd. has obtained the accreditation of China National Accreditation Service for Conformity Assessment (CNAS), and accreditation number: L2264.

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements. The site recognition number is 428261.

TA Technology (Shanghai) Co., Ltd. has been listed by industry Canada to perform electromagnetic emission measurement. The site recognition number is 8510A.

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.

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 **TA Technology (Shanghai) Co., Ltd.**

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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: Xu Kai
Telephone: +86-021-50791141/2/3
Fax: +86-021-50791141/2/3-8000
Website: <http://www.ta-shanghai.com>
E-mail: xukai@ta-shanghai.com

1.3. Applicant Information

Company: Huawei Technologies Co., Ltd.
Administration Building, Headquarters of Huawei Technologies Co., Ltd.,
Address: Bantian, Longgang District, Shenzhen, 518129
P.R. China

1.4. Manufacturer Information

Company: Huawei Technologies Co., Ltd.
Administration Building, Headquarters of Huawei Technologies Co., Ltd.,
Address: Bantian, Longgang District, Shenzhen, 518129
P.R. China

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1.5. Information of EUT

General information

IMEI:	867818020409840
Hardware Version:	Ver.A
Software Version:	Y560-L01V100R001C577B039
Antenna Type:	Internal Antenna
Device Operating Configurations:	
Network Standards:	802.11b, 802.11g, 802.11n(HT20/HT40); (tested)
Test Modulation:	(802.11b)DSSS; (802.11g)OFDM; 802.11n(HT20/HT40) OFDM
Power Supply:	Battery or Adapter
Max Conducted Power	17.26 dBm
Operating Frequency Range(s)	2412MHz~ 2462MHz (802.11b, 802.11g, 802.11n(HT20)) 2422MHz~ 2452MHz 802.11n(HT40)
Tested Frequency Range(s)	2400MHz~ 2483.5 MHz

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Auxiliary Equipment Details

Name	Model	Manufacturer	Capacity
Battery	HB474284RBC	Huawei Technologies Co., Ltd.	2000mAh
Charger	HW-050100U2W	Huawei Technologies Co., Ltd.	/

1.6. Test Date

The test is performed from September 25, 2015 to September 29, 2015.

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2. Test Information

2.1. Test Mode

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate declared in basic standard IEEE802.11. Preliminary tests has been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

Results of test modes, data rates and test channels are shown as following table.

The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

	Test items	Modes	Data Rate	Test channel
Conducted Test cases	Peak Power Output –Conducted	802.11b	1 Mbps	1/6/11
		802.11g	6 Mbps	1/6/11
		802.11n(HT20)	MCS0	1/6/11
		802.11n(HT40)	MCS0	3/6/9
	Minimum 6dB bandwidth	802.11b	1 Mbps	1/6/11
		802.11g	6 Mbps	1/6/11
		802.11n(HT20)	MCS0	1/6/11
		802.11n(HT40)	MCS0	3/6/9
	Band Edges compliance	802.11b	1 Mbps	1/11
		802.11g	6 Mbps	1/11
		802.11n(HT20)	MCS0	1/11
		802.11n(HT40)	MCS0	3/9
	Power spectral Density	802.11b	1 Mbps	1/6/11
		802.11g	6 Mbps	1/6/11
		802.11n(HT20)	MCS0	1/6/11
		802.11n(HT40)	MCS0	3/6/9
	Conducted Spurious Emission	802.11b	1 Mbps	1/6/11
		802.11g	6 Mbps	1/6/11
		802.11n(HT20)	MCS0	1/6/11
		802.11n(HT40)	MCS0	3/6/9
Radiated Test cases	Spurious Radiated Emissions in the restricted band	802.11b	1 Mbps	1/11
		802.11g	6 Mbps	1/11
		802.11n(HT20)	MCS0	1/11
		802.11n(HT40)	MCS0	3/9

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2.2. 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	NA
8	Conducted Emissions	15.207,15.107	NA

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2.3. Peak Power Output –Conducted

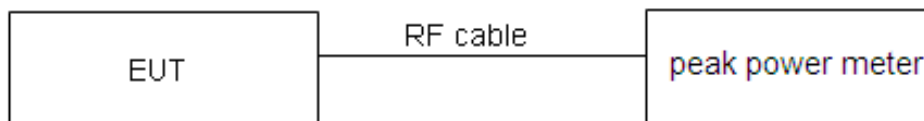
Ambient condition

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 peak power meter through an external attenuator and a known loss cable. The EUT is max power transmission with proper modulation. We use Maximum Peak Conducted Output Power Level Method 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:

Network Standards	Carrier frequency (MHz)	Peak Output Power (dBm)	Conclusion
802.11b	2412	16.85	PASS
	2437	17.13	PASS
	2462	17.26	PASS
802.11g	2412	15.12	PASS
	2437	15.85	PASS
	2462	15.84	PASS
802.11n HT20	2412	12.07	PASS
	2437	12.74	PASS
	2462	12.85	PASS
802.11n HT40	2422	8.08	PASS
	2437	8.18	PASS
	2452	8.15	PASS

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2.4. Occupied Bandwidth (6dB)

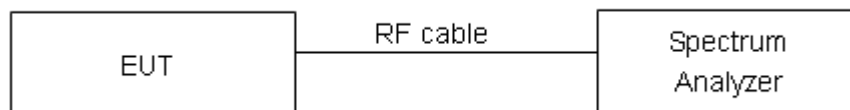
Ambient condition

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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Test Results:

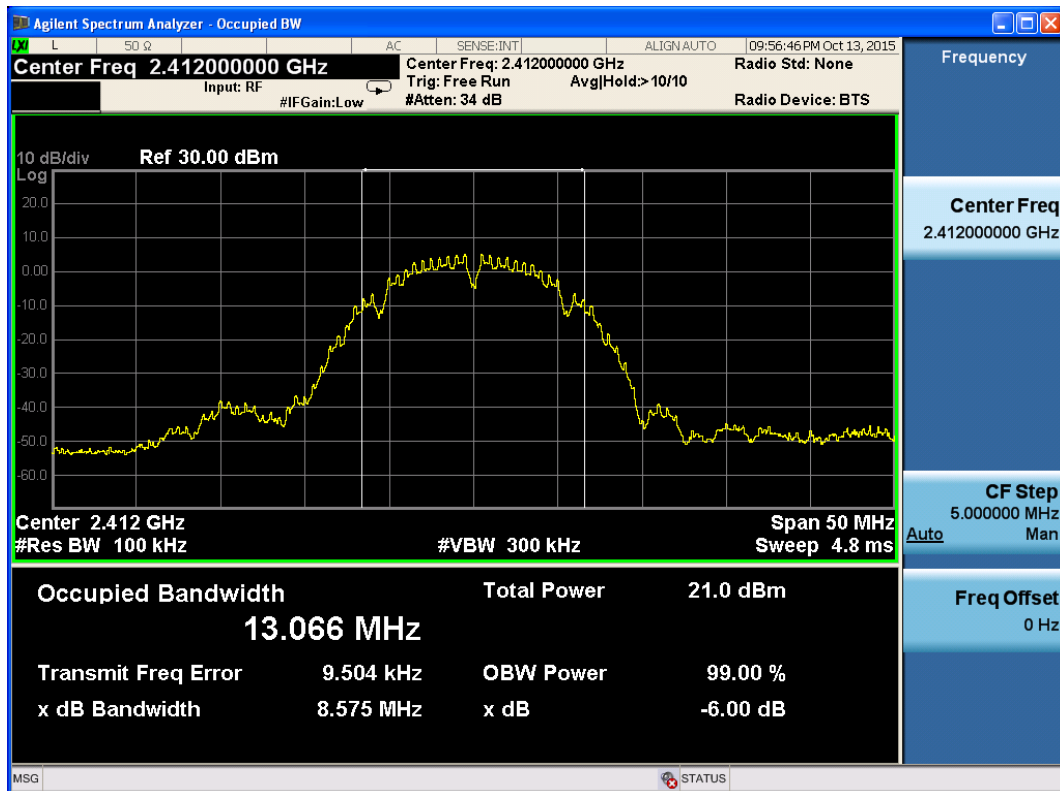
Network Standards	Carrier frequency (MHz)	Minimum 6 dB bandwidth (MHz)	Conclusion
802.11b	2412	8.575	PASS
	2437	8.132	PASS
	2462	8.112	PASS
802.11g	2412	16.45	PASS
	2437	16.44	PASS
	2462	16.44	PASS
802.11n HT20	2412	17.66	PASS
	2437	17.64	PASS
	2462	17.64	PASS
802.11n HT40	2422	35.62	PASS
	2437	35.28	PASS
	2452	35.63	PASS

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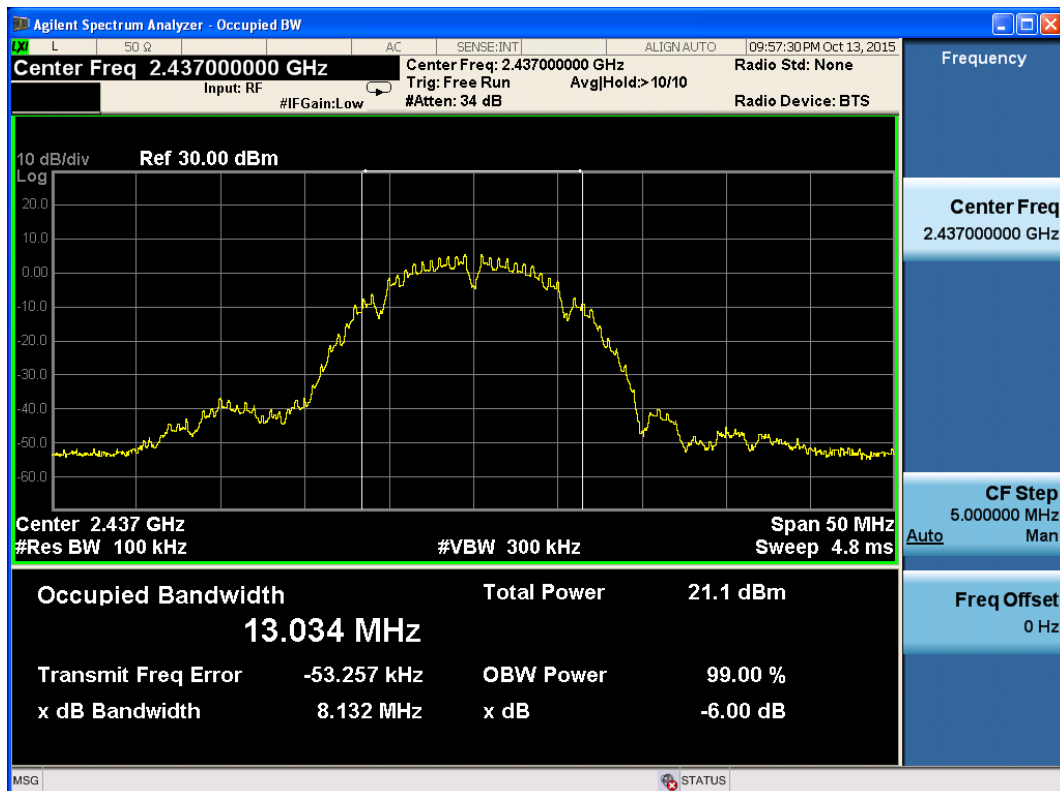
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802.11b



802.11b, Carrier frequency (MHz): 2412



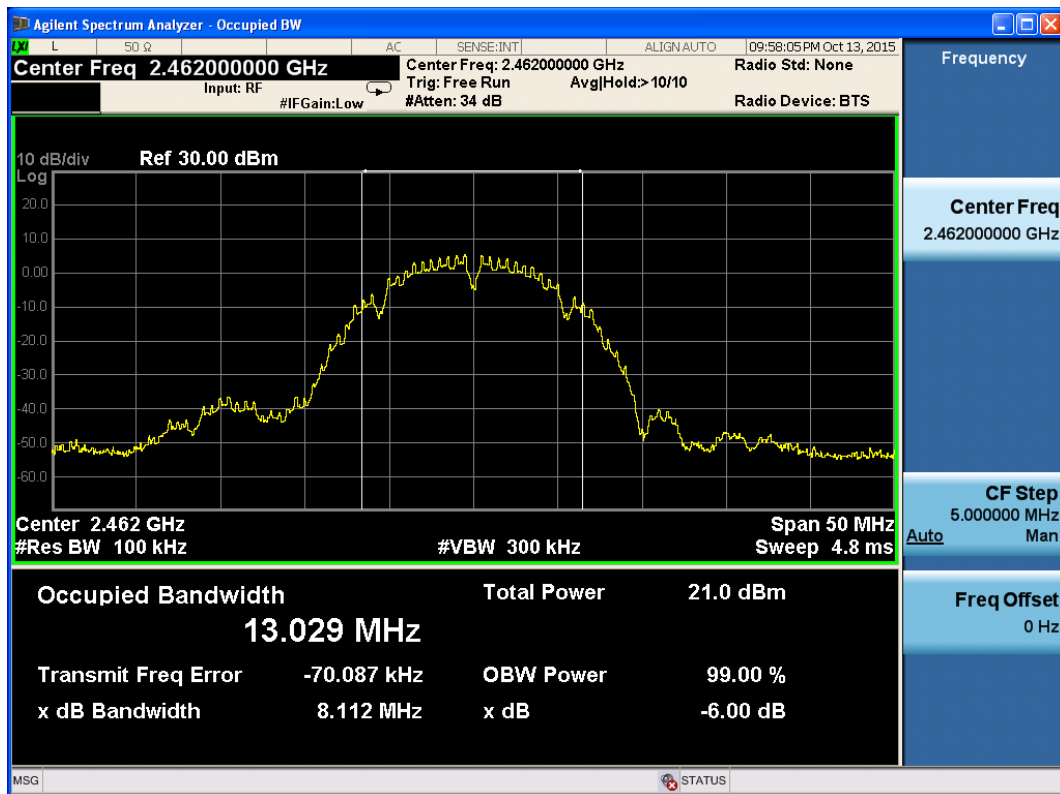
802.11b, Carrier frequency (MHz): 2437

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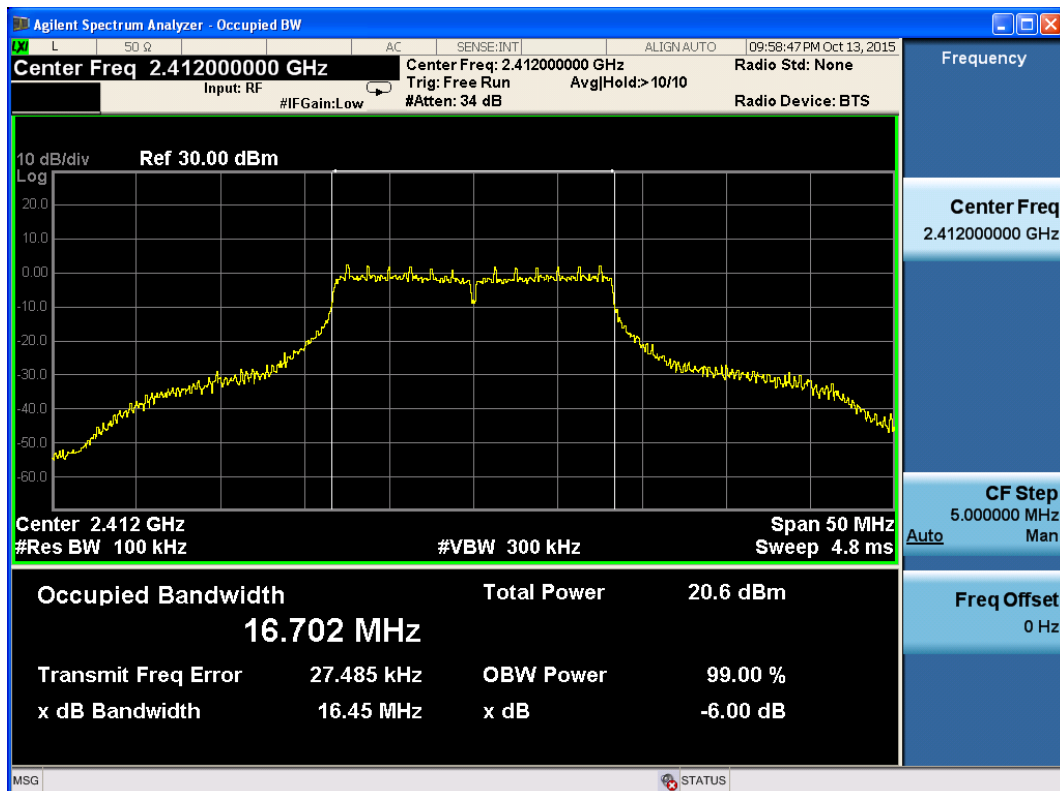
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802.11b, Carrier frequency (MHz):2462

802.11g



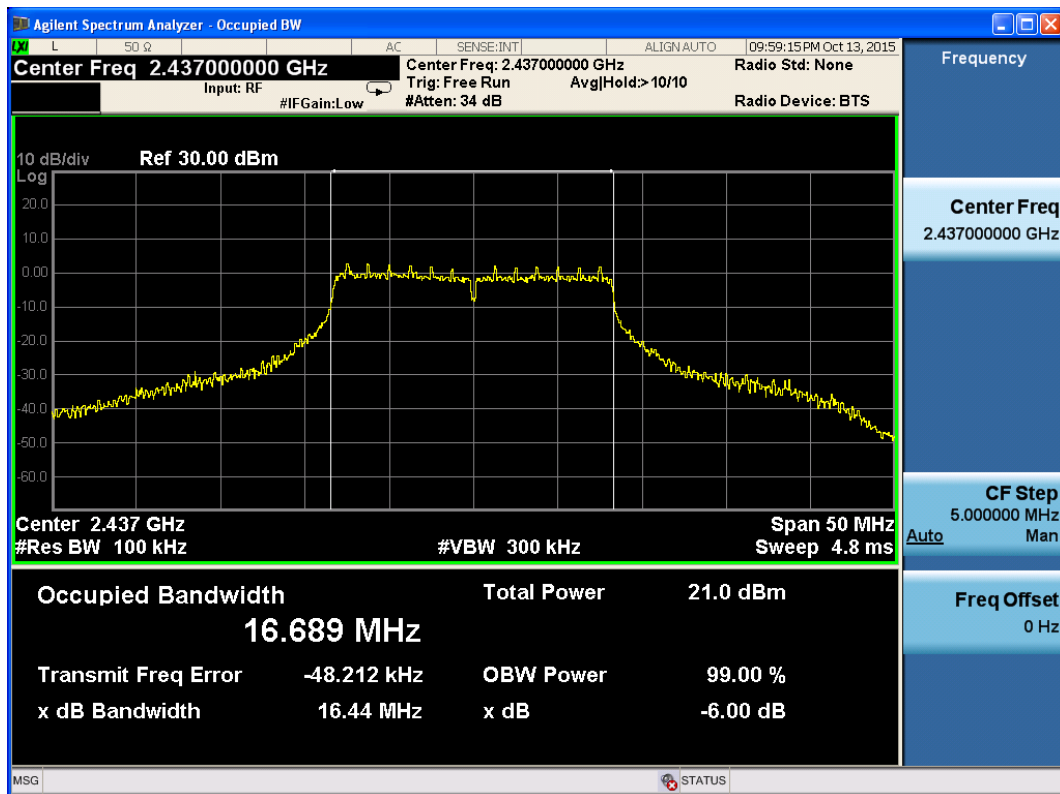
802.11g, Carrier frequency (MHz): 2412

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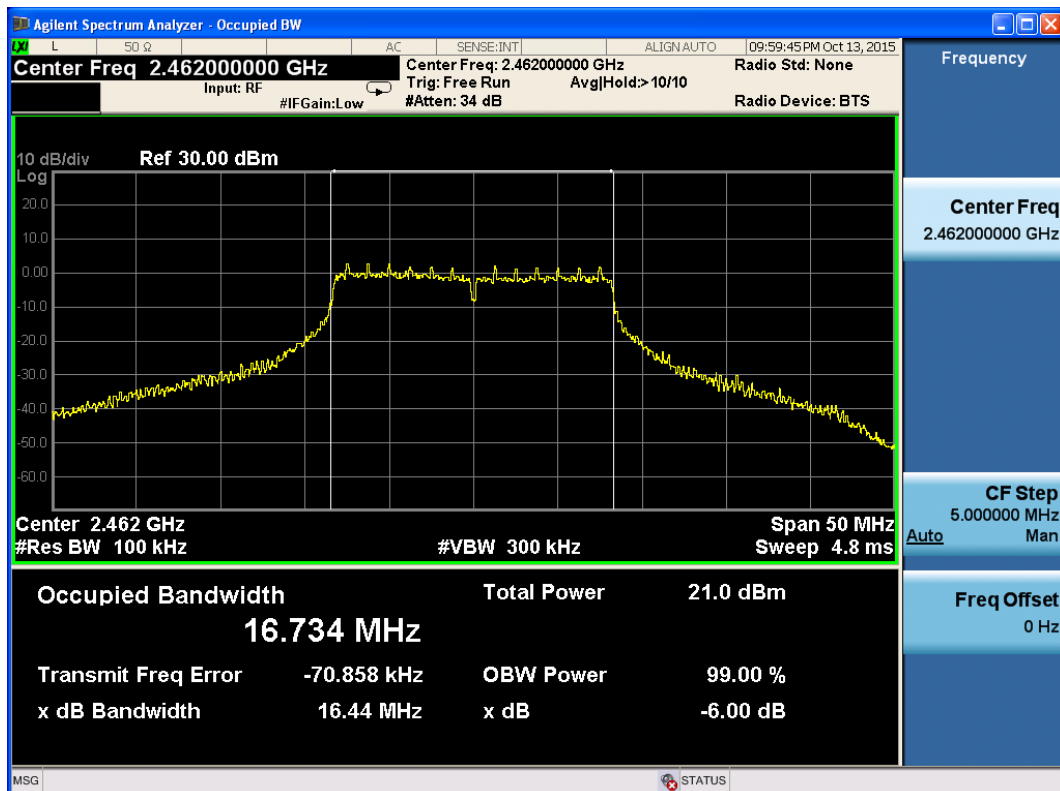
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802.11g, Carrier frequency (MHz): 2437



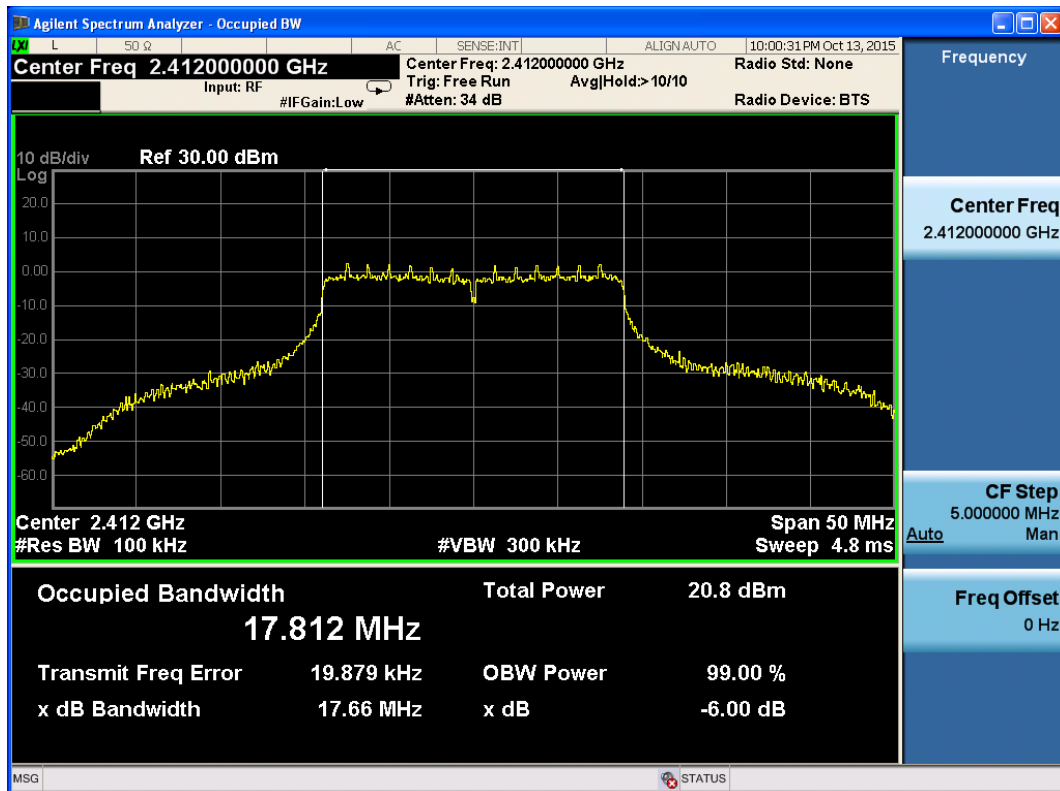
802.11g, Carrier frequency (MHz): 2462

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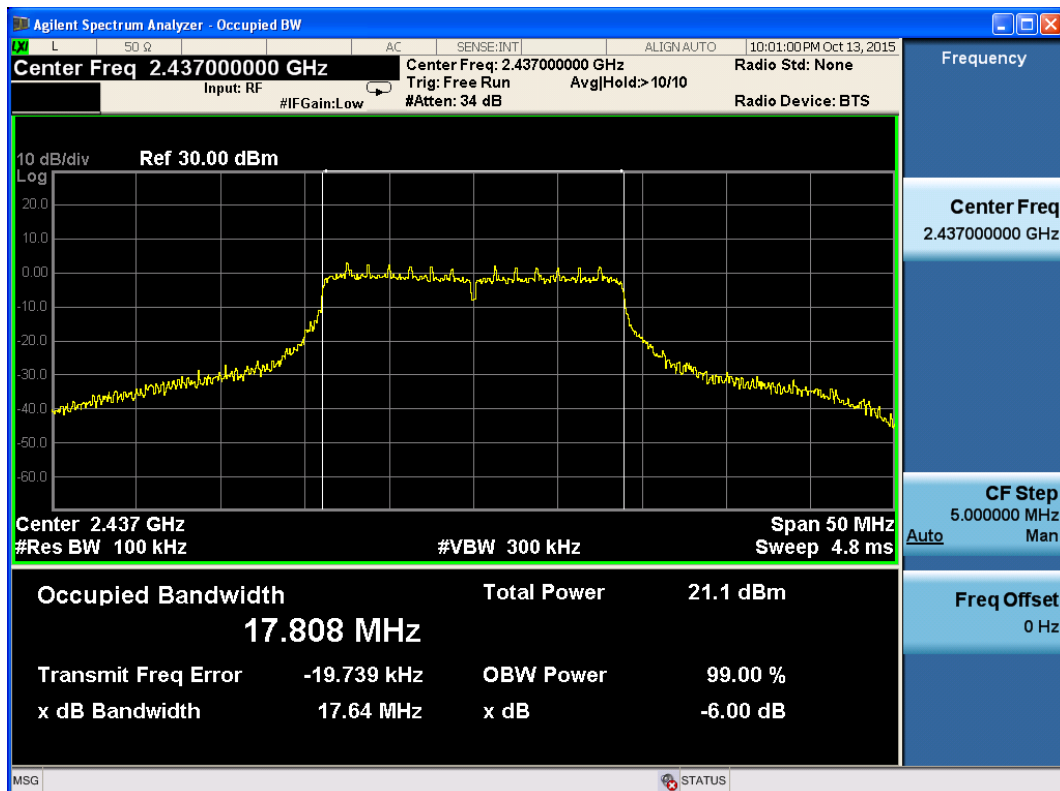
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802.11n (HT20)



802.11n HT20, Carrier frequency (MHz): 2412



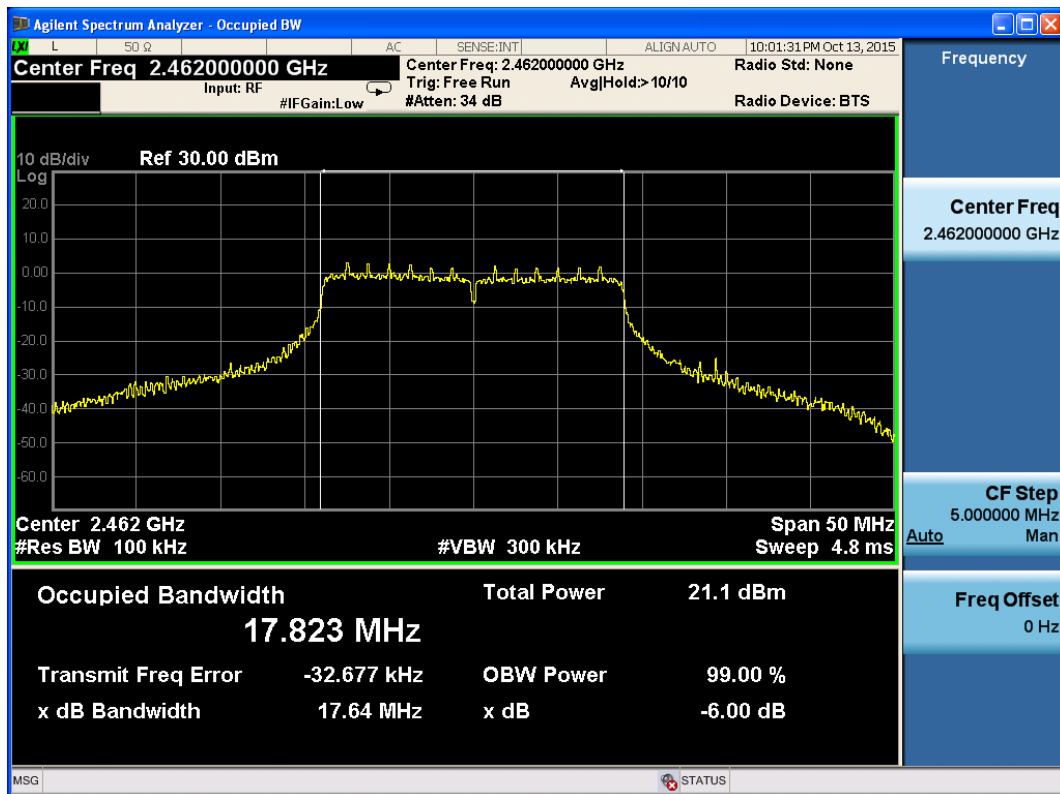
802.11n HT20, Carrier frequency (MHz): 2437

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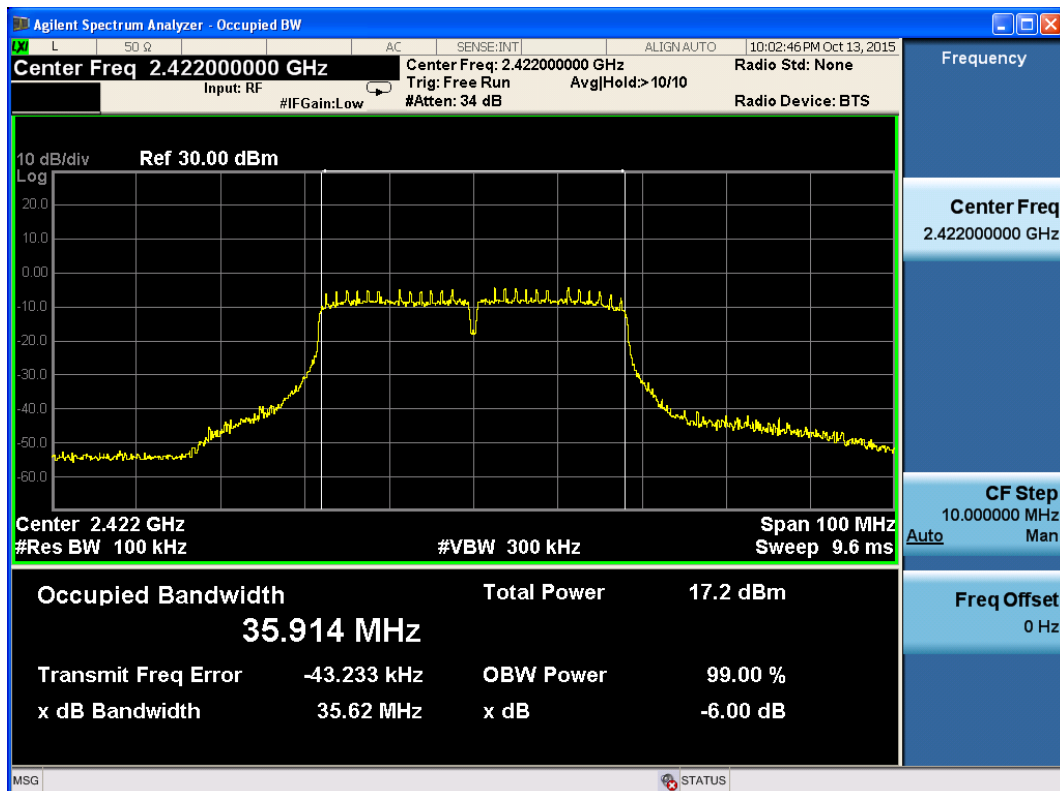
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802.11n HT20, Carrier frequency (MHz):2462

802.11n (HT40)



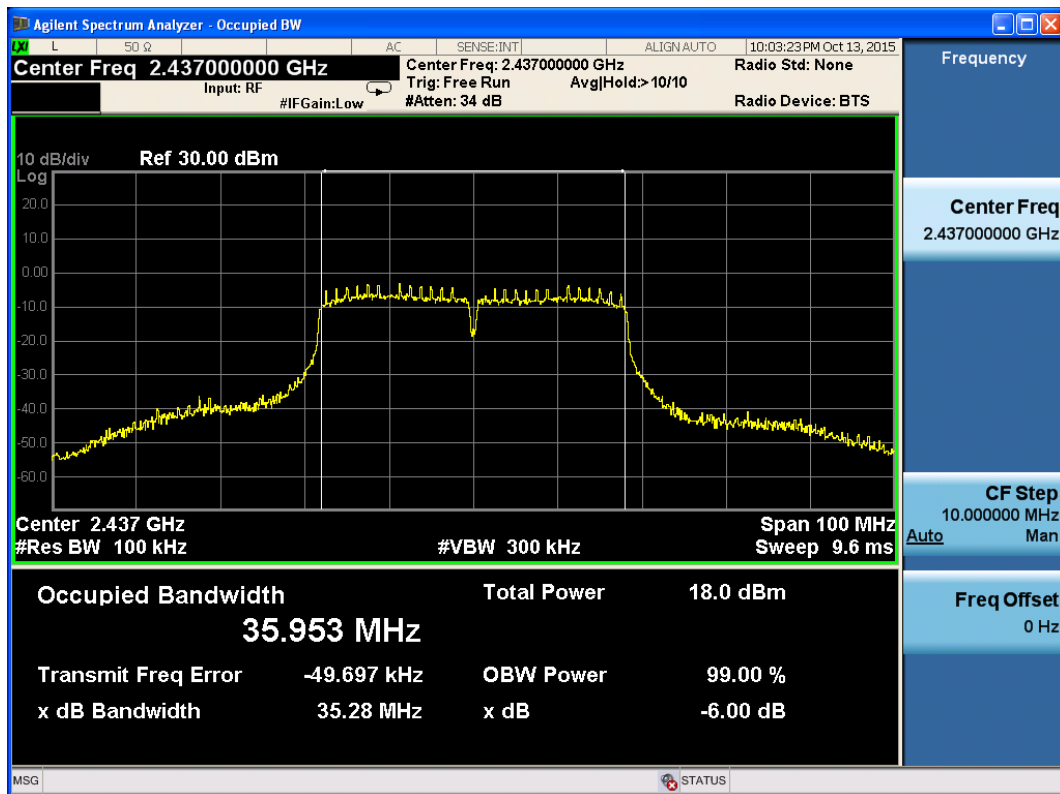
802.11n HT40, Carrier frequency (MHz):2422

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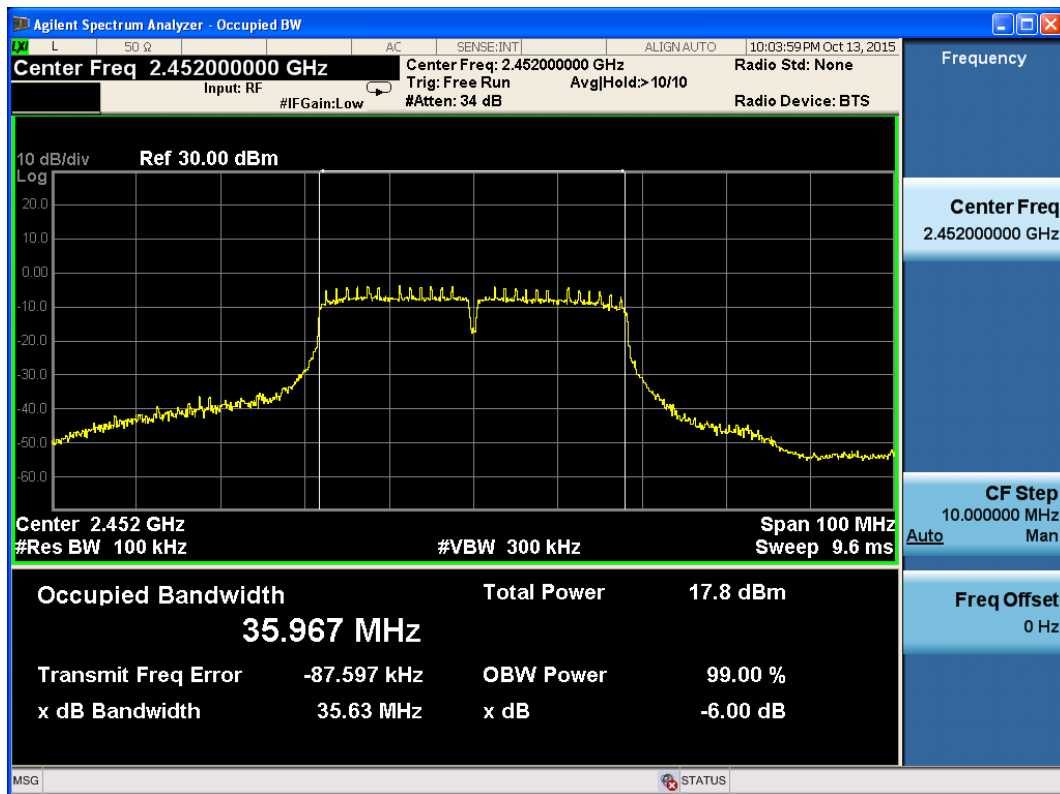
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802.11n HT40, Carrier frequency (MHz):2462



802.11n HT40, Carrier frequency (MHz):2452

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2.5. Band Edge Compliance

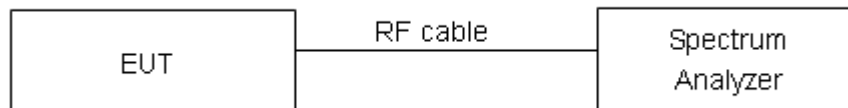
Ambient condition

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.”

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

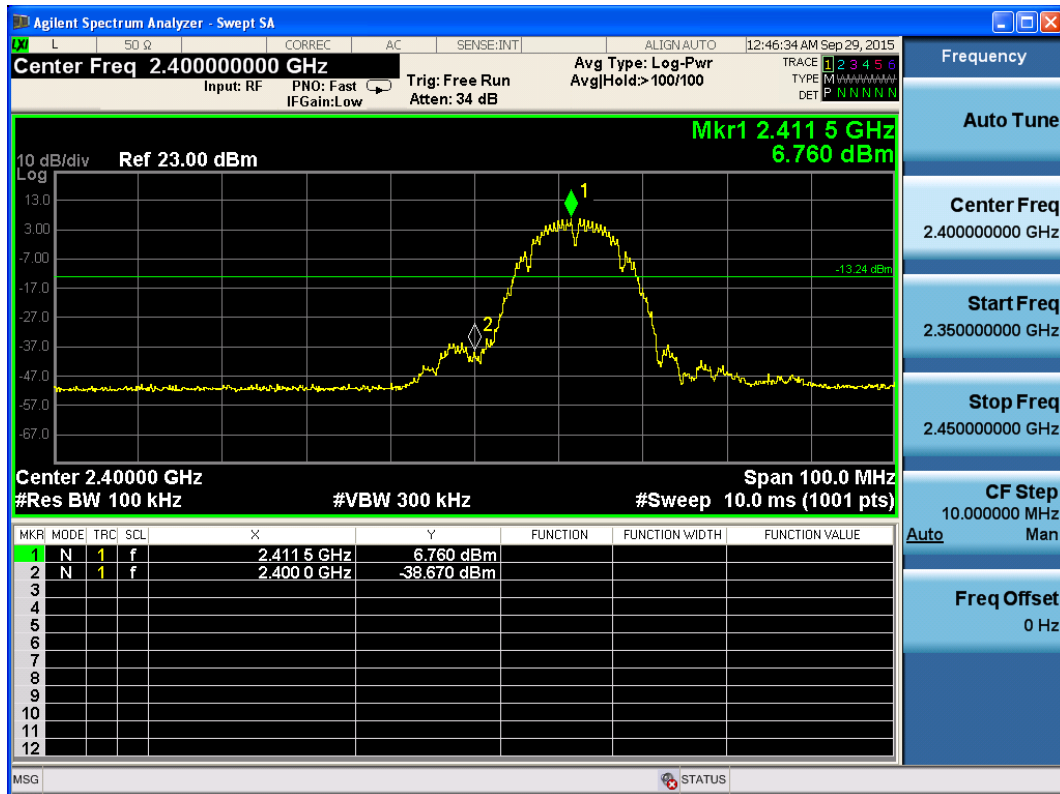
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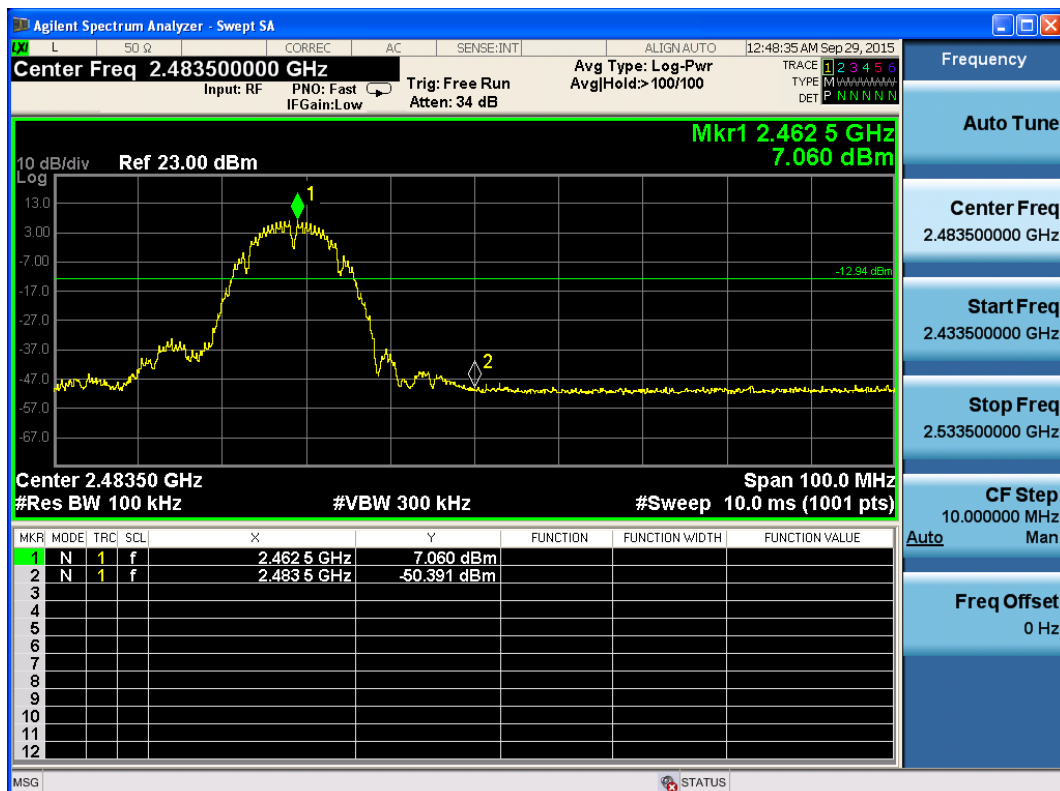
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Test Results: PASS

802.11b



802.11b, Channel No.: 1



802.11b, Channel No.: 11

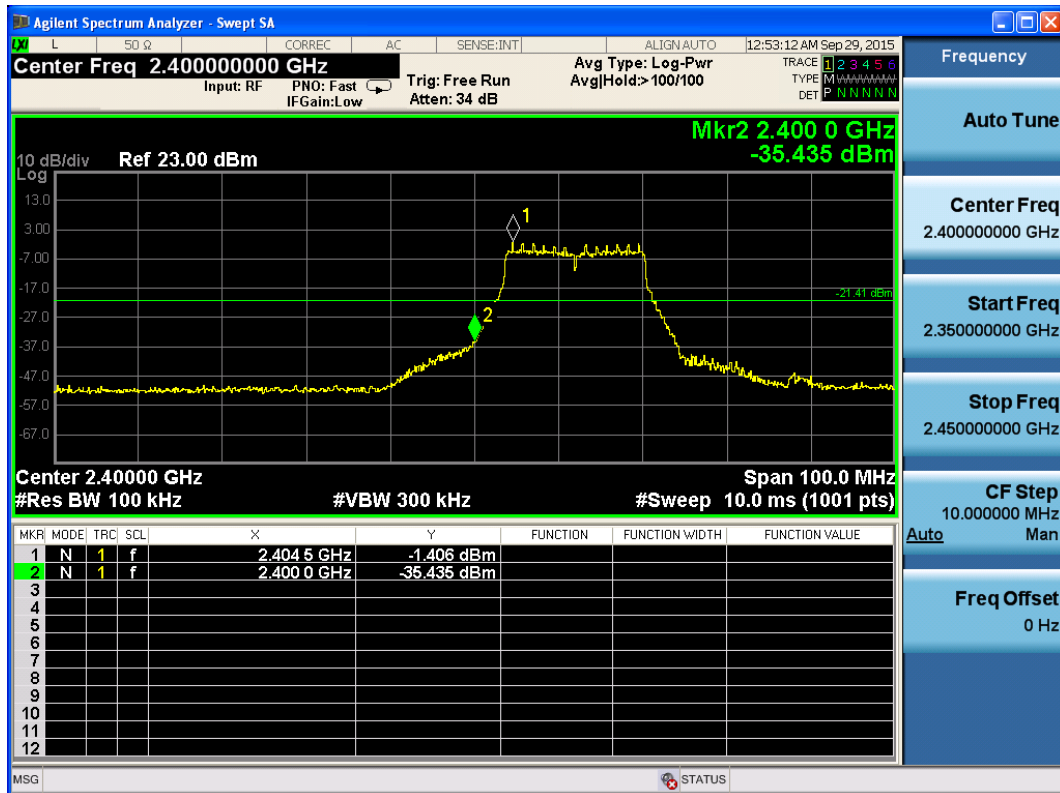
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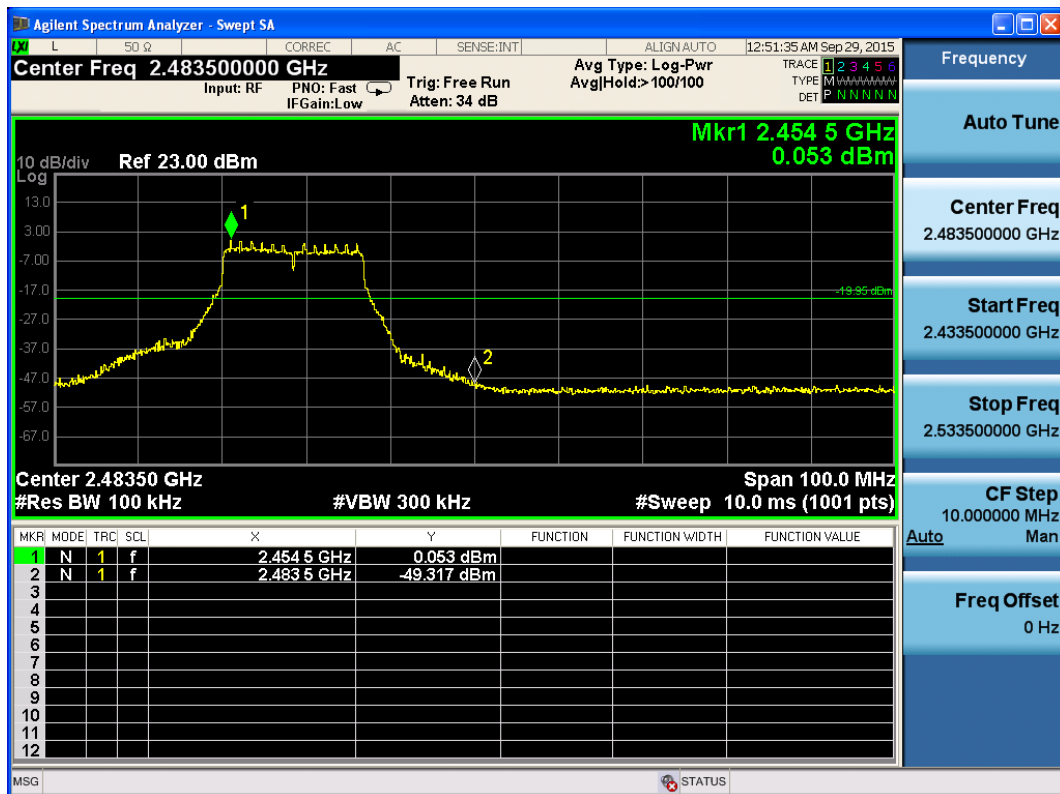
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802.11n(HT20)



802.11n, Channel No.: 1



802.11n, Channel No.: 11

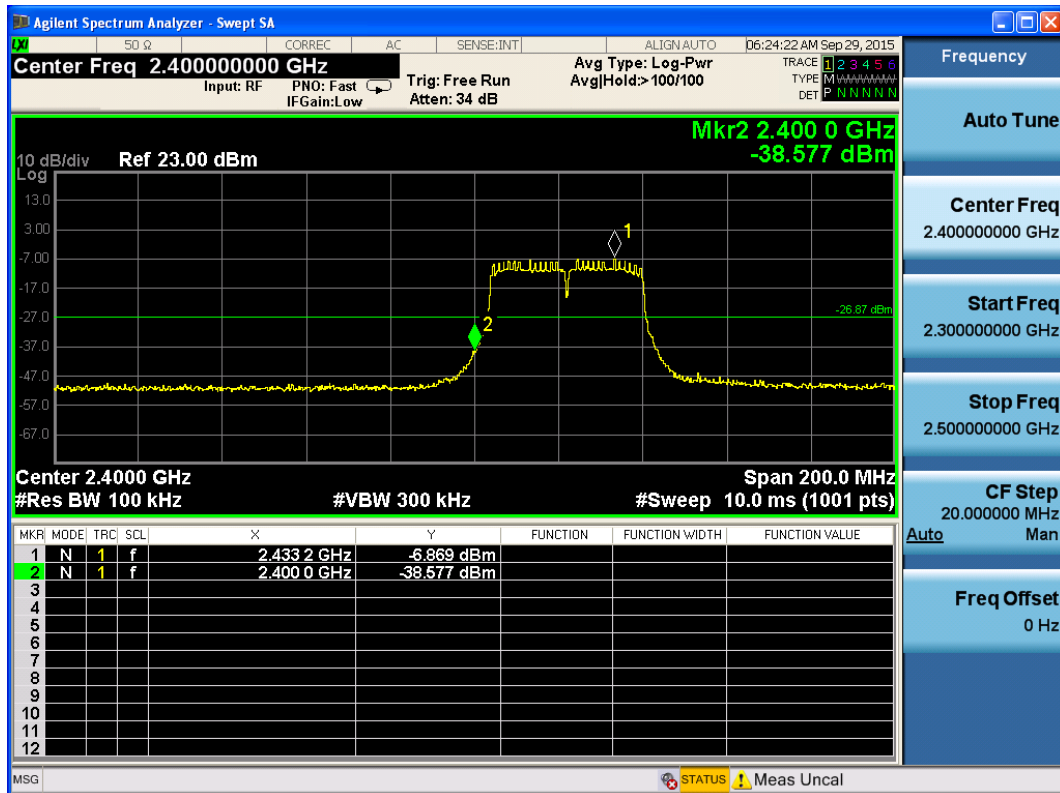
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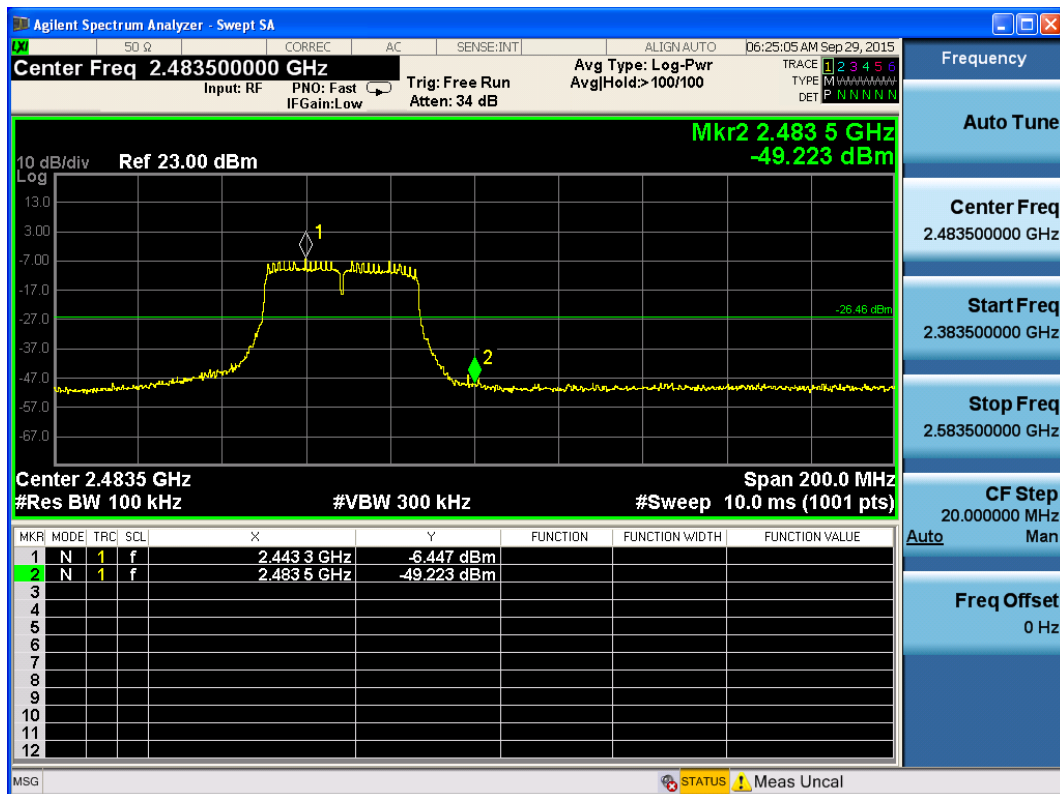
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802.11n(HT40)



802.11n, Channel No.: 3



802.11n, Channel No.: 9

2.6. 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. Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

Set the spectrum analyzer in the following:

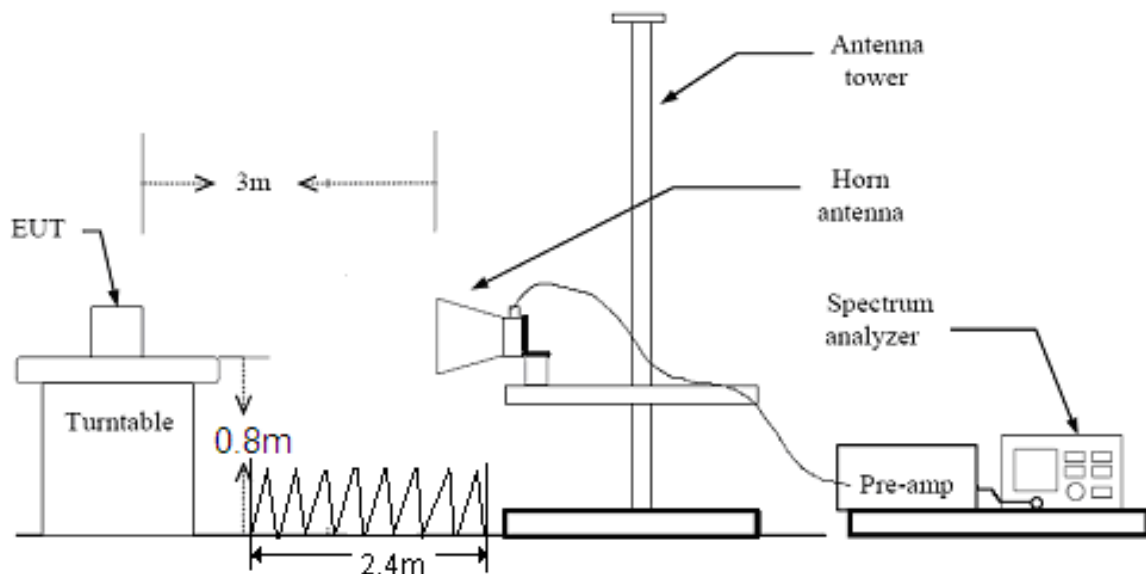
- (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
- (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO

This setting method can refer to **C63.10**.

The field strength of spurious emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Y axis) and the antenna is vertical.

The test is in transmitting mode.

Test setup



Note: Area side: 2.4mX3.6m

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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)
0.009-0.490	2400/F(kHz)	/
0.490-1.705	24000/F(kHz)	/
1.705-30.0	30	/
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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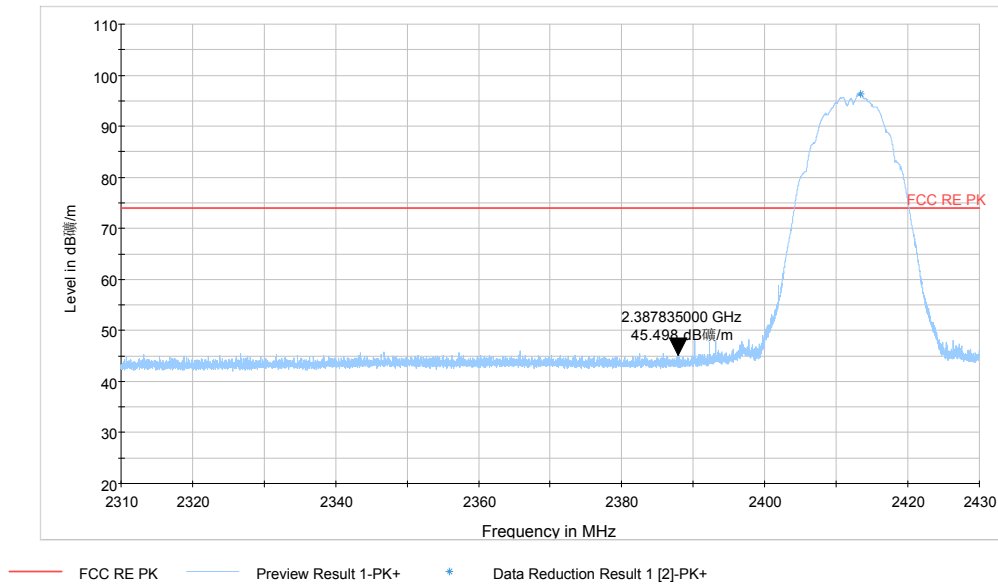
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Test Results: PASS

802.11b-Channel 1:

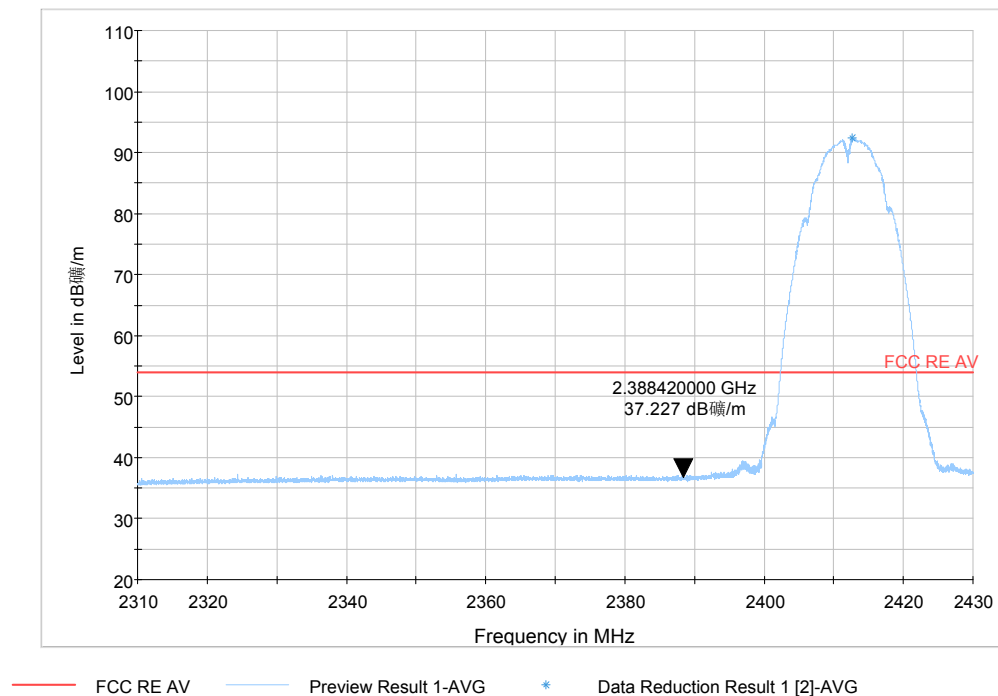
Peak



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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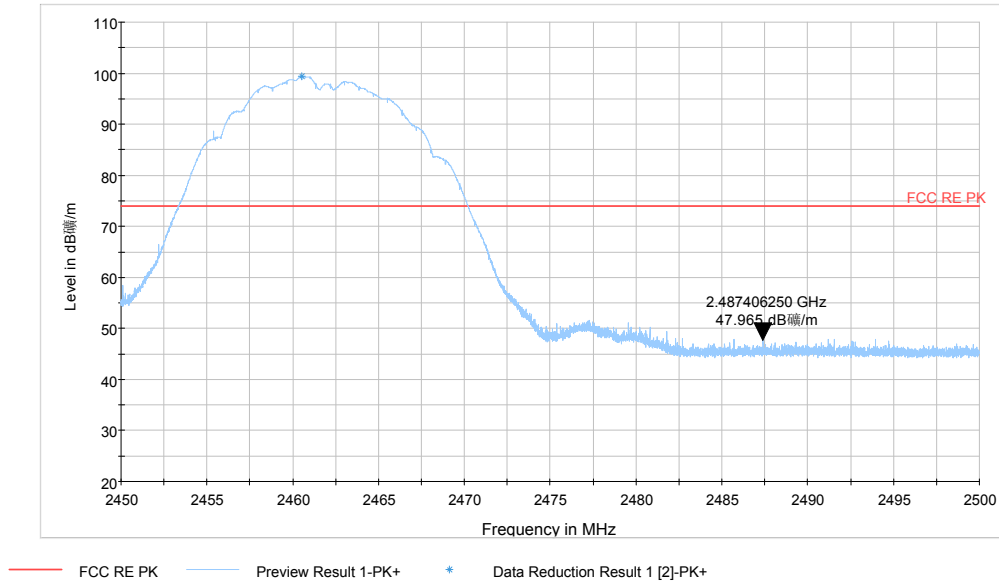
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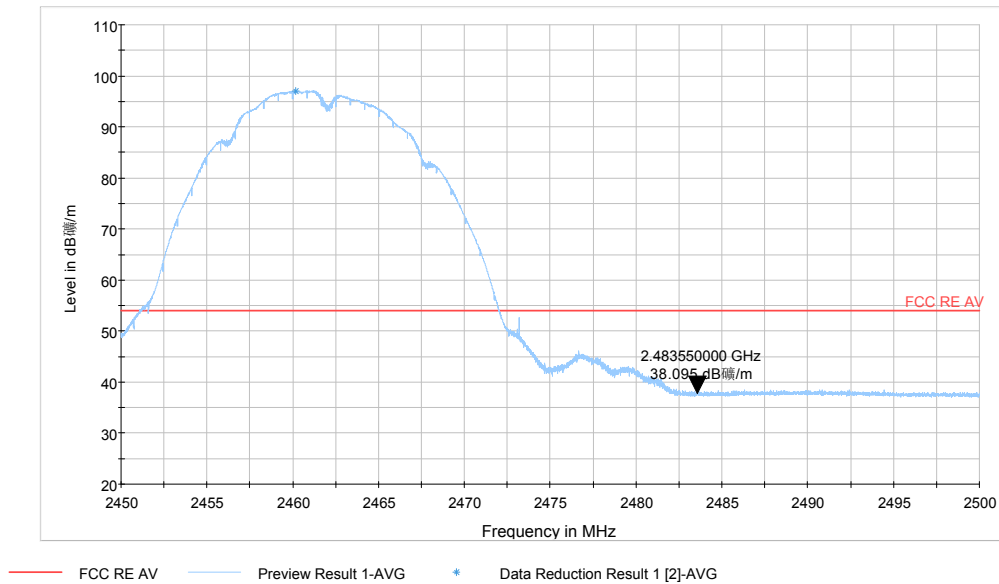
802.11b-Channel 11:

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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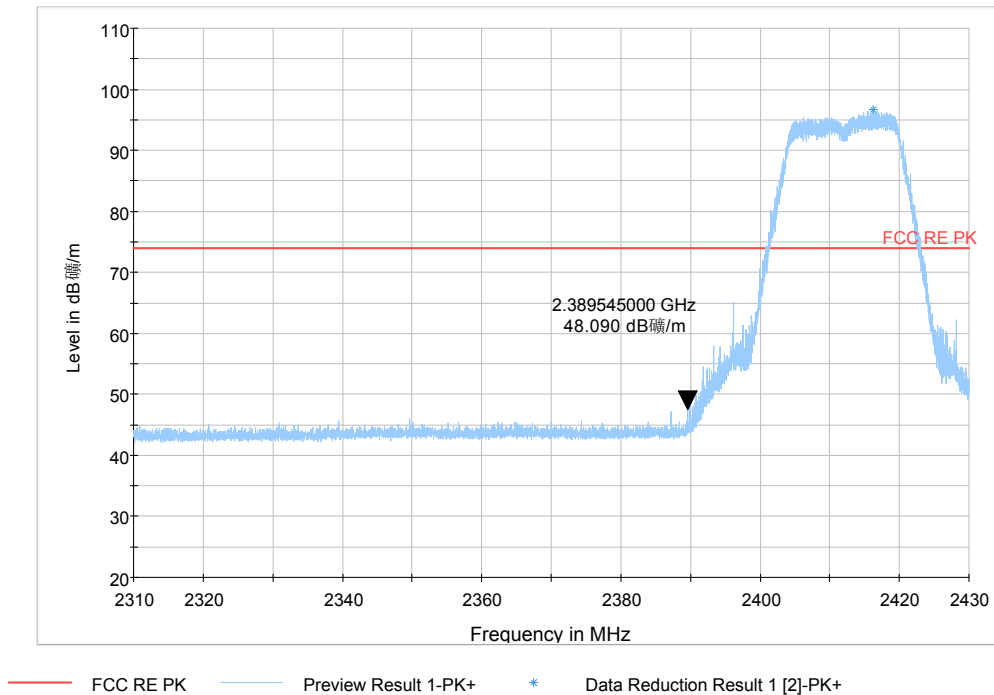
Test Report

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802.11g-Channel 1:

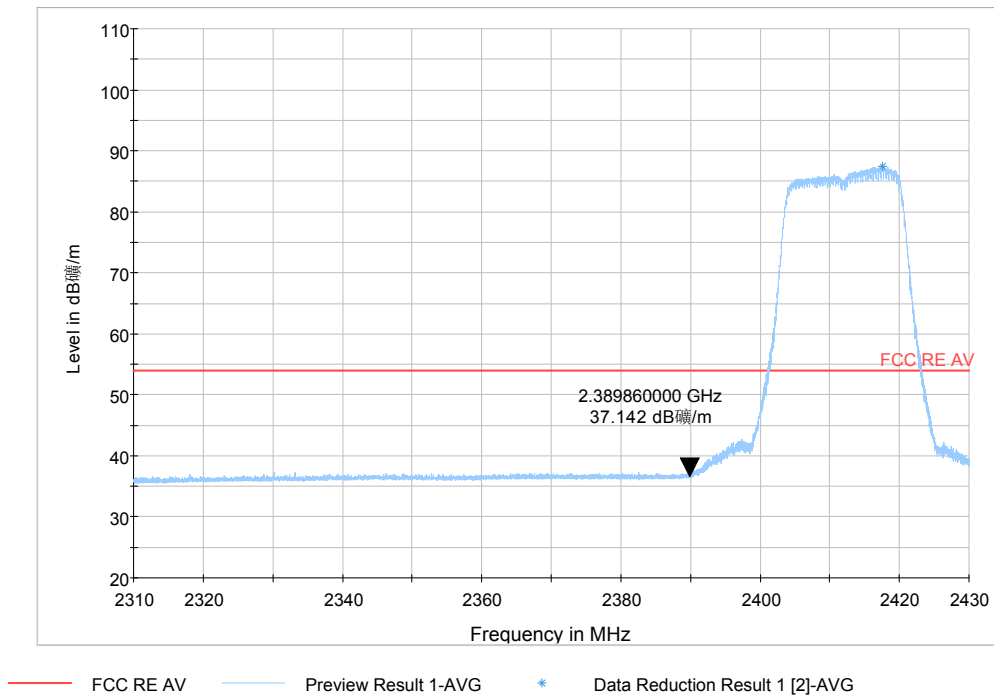
Peak



Note: The signal beyond the limit is carrier

Channel 1

Average



Note: The signal beyond the limit is carrier

Channel 1

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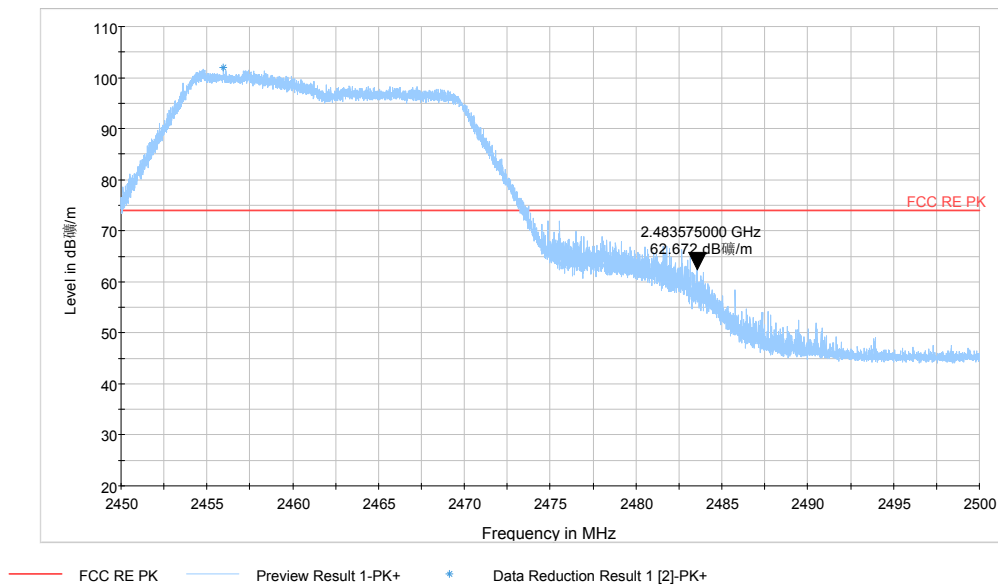
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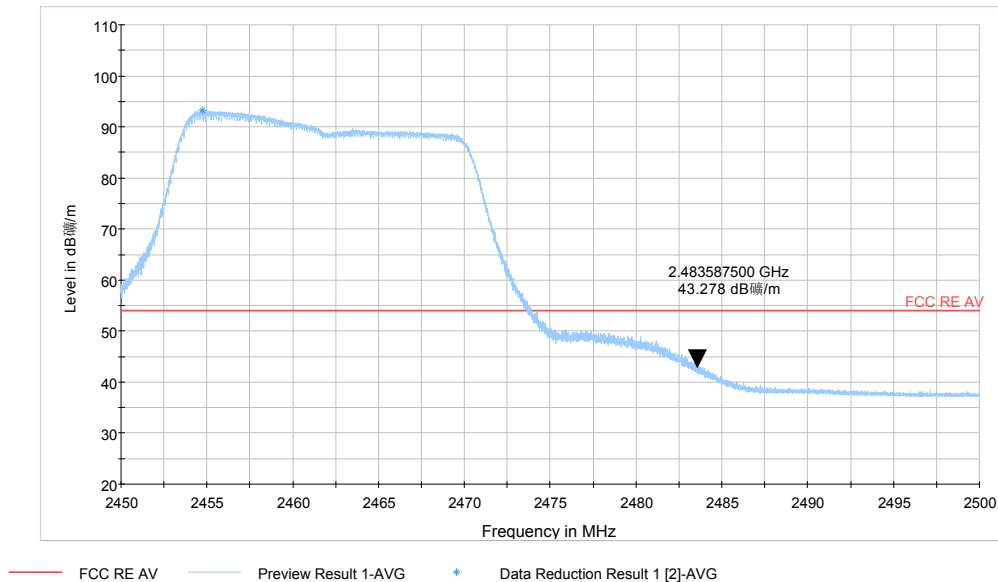
802.11g-Channel 11:

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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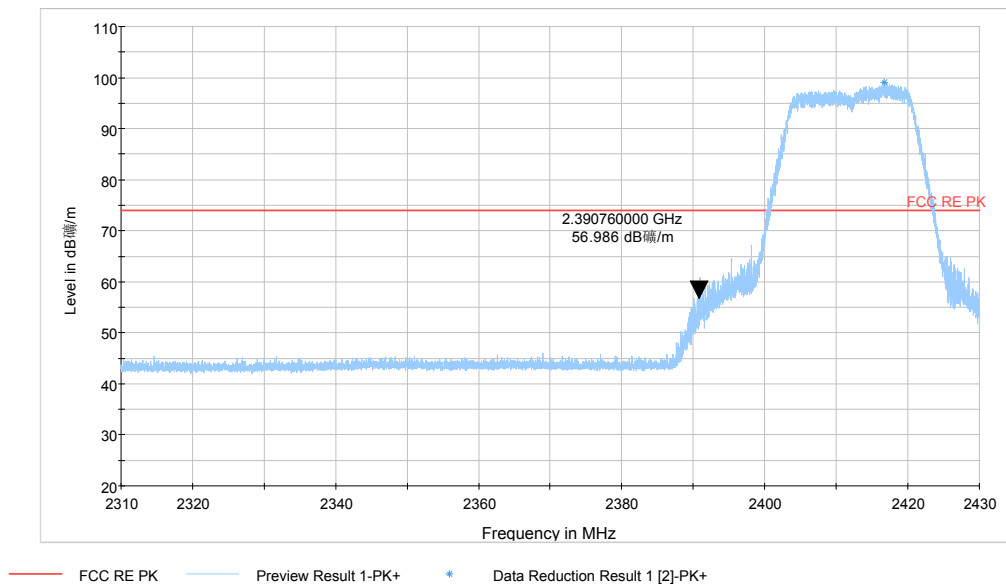
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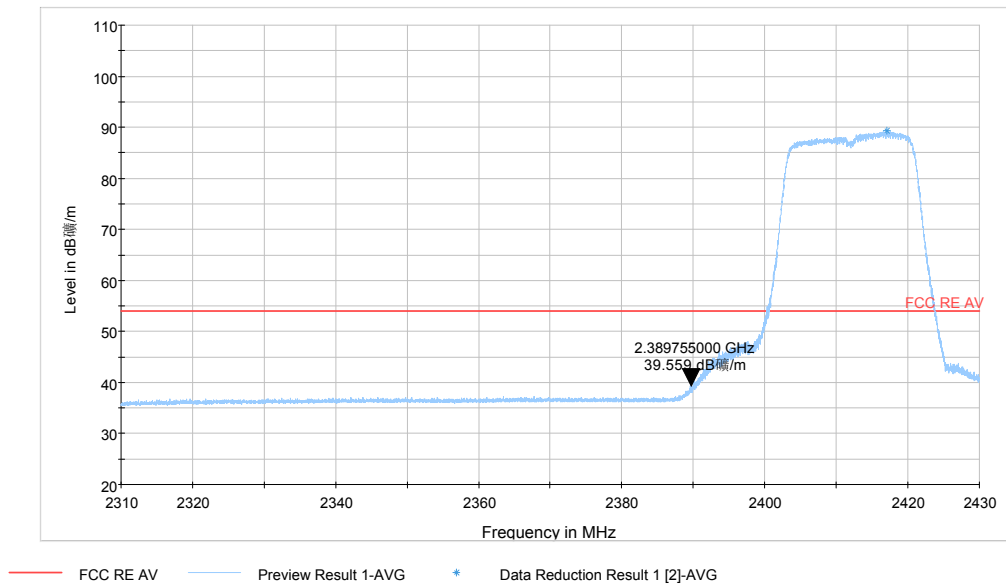
802.11n-Channel 1(HT20):

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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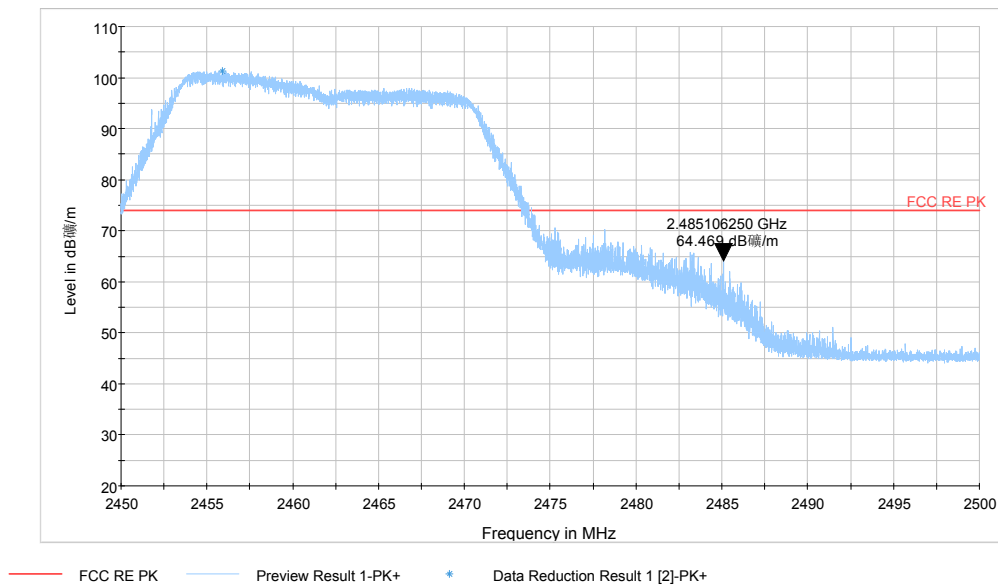
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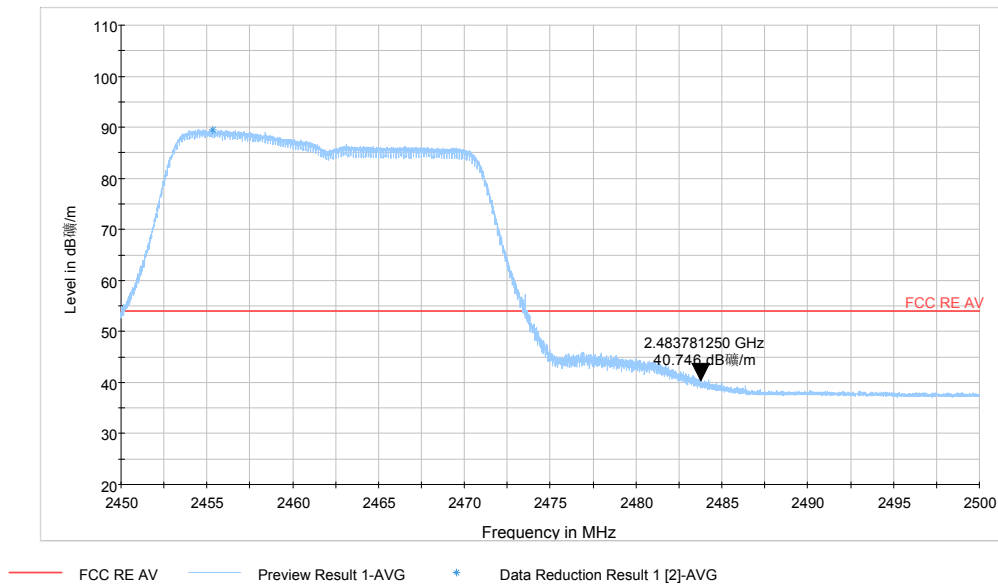
802.11n-Channel 11(HT20):

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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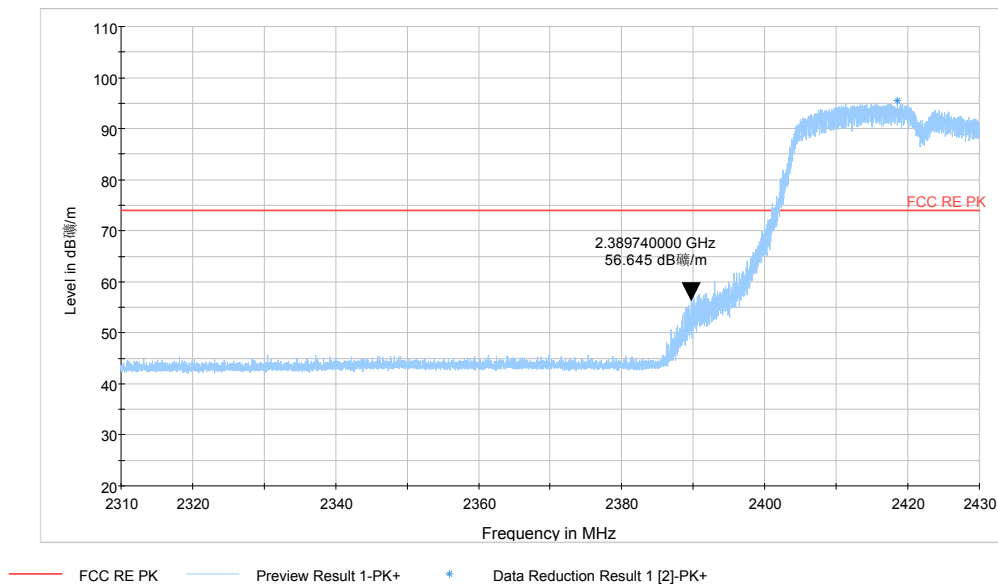
Test Report

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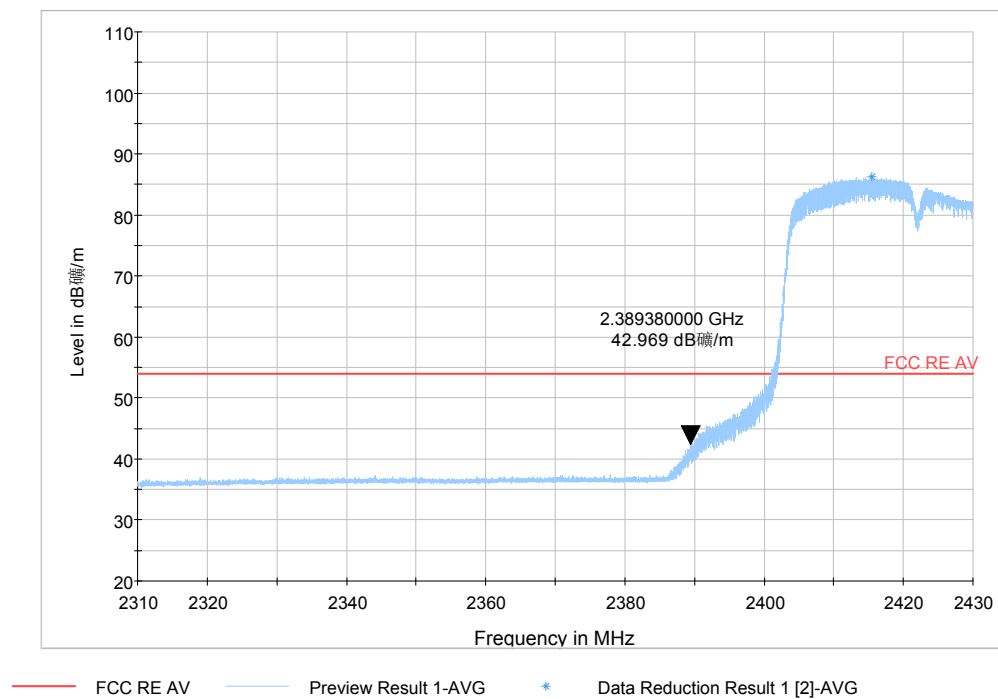
802.11n-Channel 3(HT40):

Peak



Note: The signal beyond the limit is carrier
Channel 3

Average



Note: The signal beyond the limit is carrier
Channel 3

TA Technology (Shanghai) Co., Ltd.

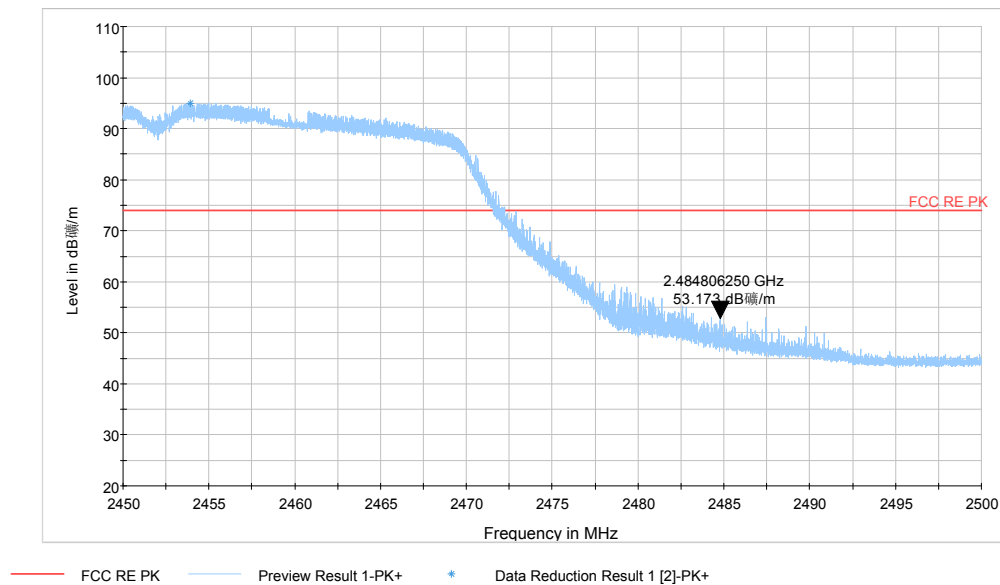
Test Report

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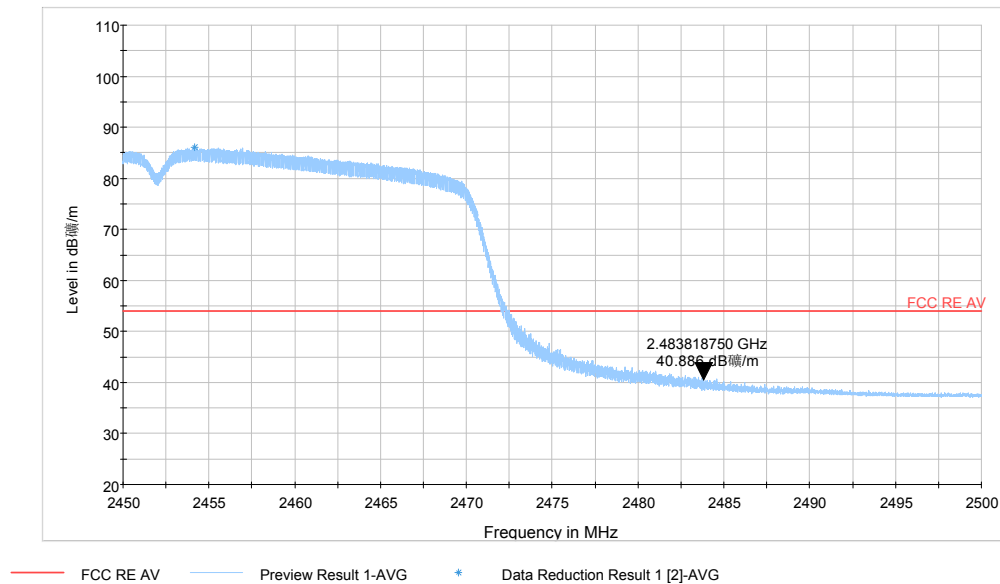
802.11n-Channel 9(HT40):

Peak



Note: The signal beyond the limit is carrier
Channel 9

Average



Note: The signal beyond the limit is carrier
Channel 9

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2.7. Power Spectral Density

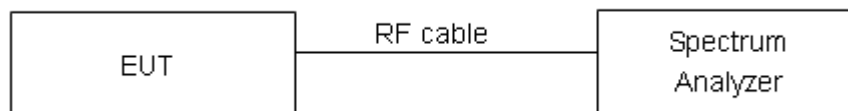
Ambient condition

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 3 kHz and VBW is set to 10 kHz on spectrum analyzer. Set the span to 1.5 times the DTS channel bandwidth. Sweep time = auto couple. Trace mode = max hold. 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	$\leq 8 \text{ dBm} / 3\text{kHz}$
--------	------------------------------------

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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Test Results:

Network Standards	Channel Number	Power Spectral Density dBm / 3kHz	Conclusion
802.11b	1	-6.864	PASS
	6	-6.930	PASS
	11	-7.904	PASS
802.11g	1	-11.987	PASS
	6	-12.000	PASS
	11	-11.676	PASS
802.11n HT20	1	-16.373	PASS
	6	-13.994	PASS
	11	-13.995	PASS
802.11n HT40	3	-22.908	PASS
	6	-21.460	PASS
	9	-21.058	PASS

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802.11b, Channel No.: 6

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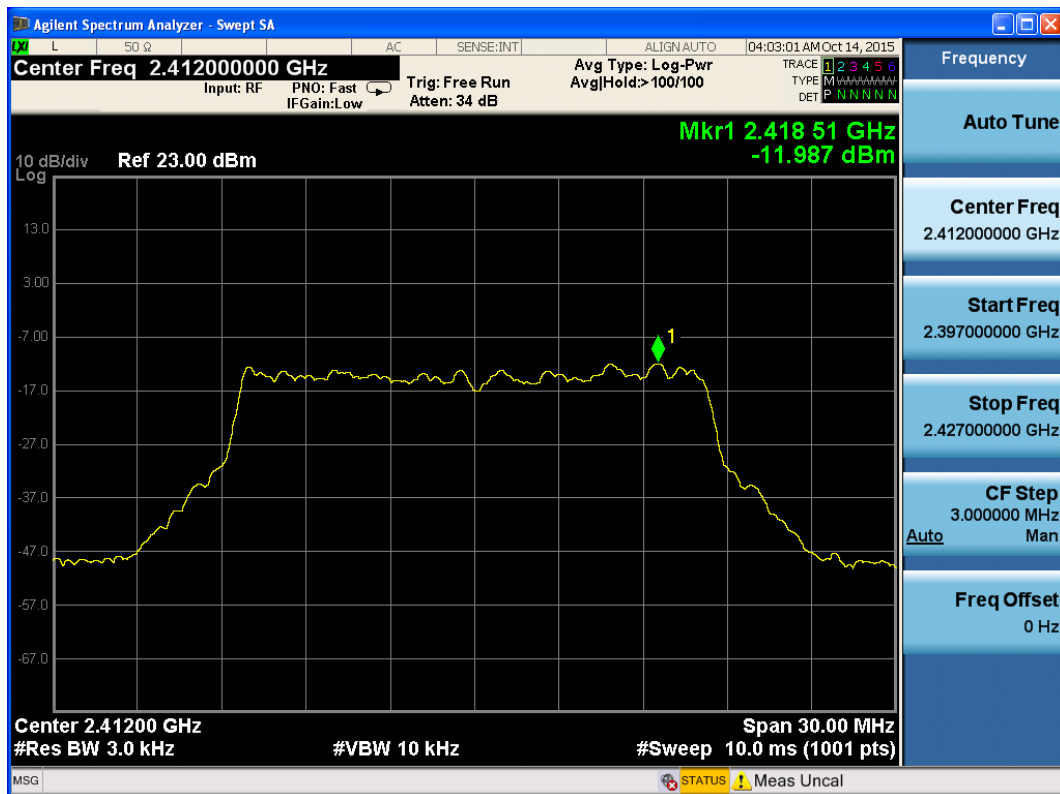
Report No.: RXA1509-0168RF03R3

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802.11b, Channel No.: 11

802.11g

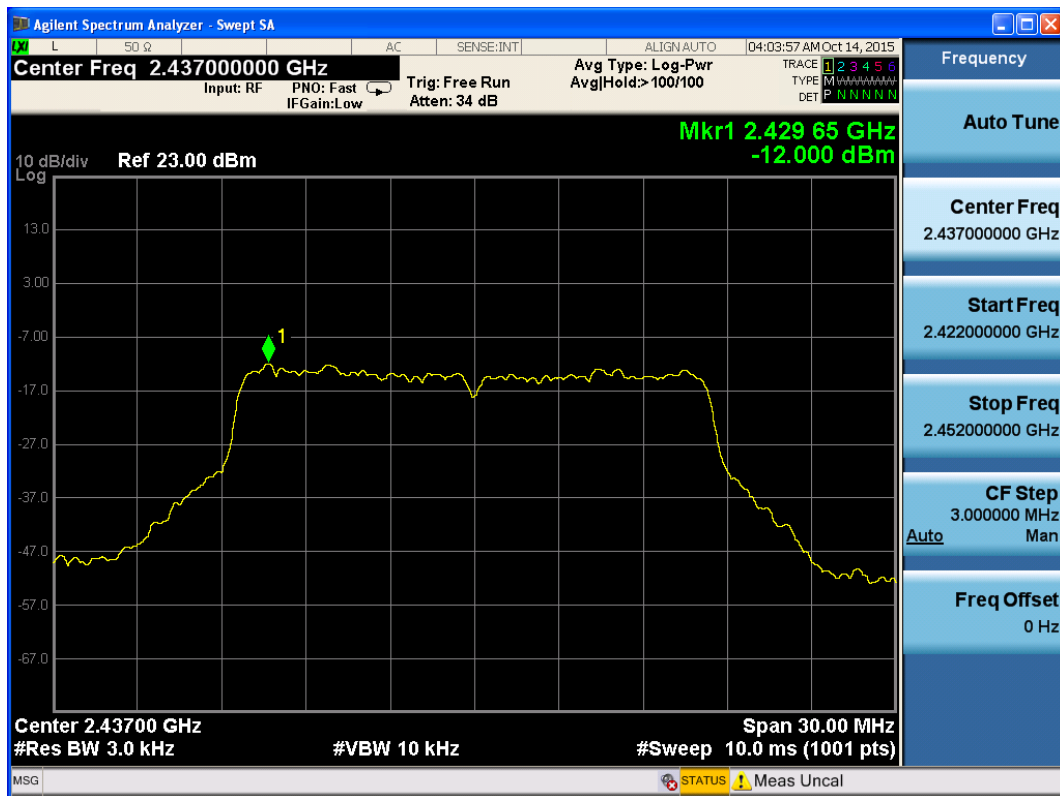


802.11g, Channel No.: 1

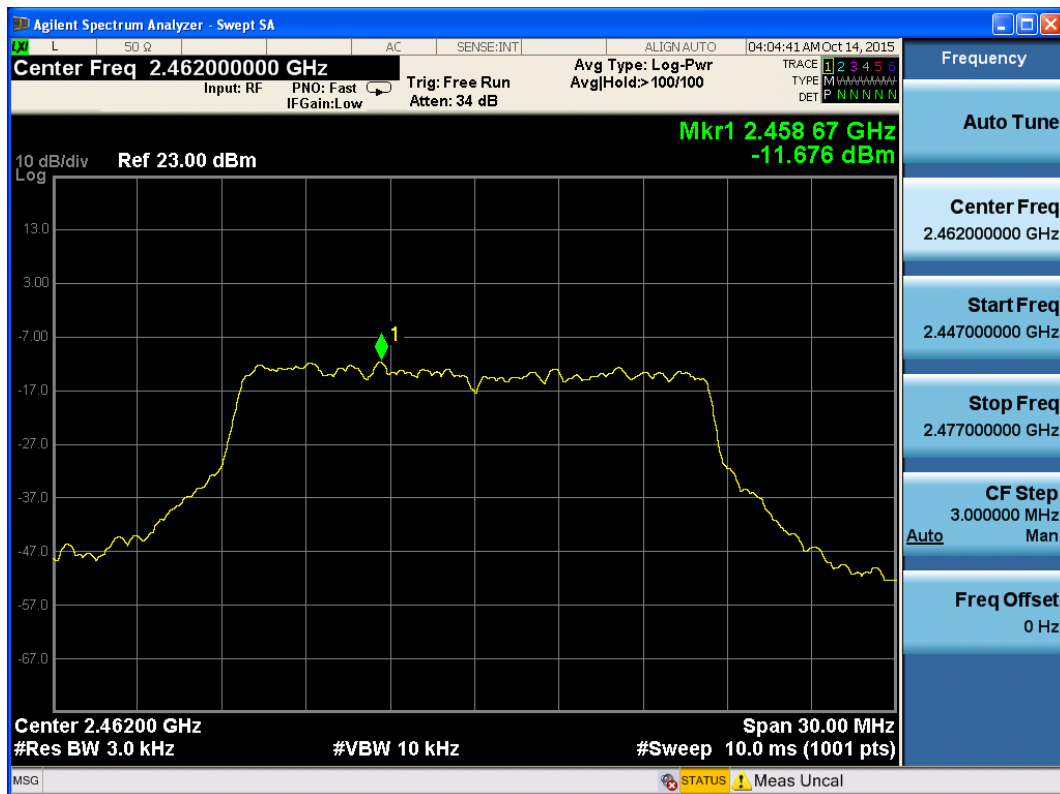
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802.11g, Channel No.: 6



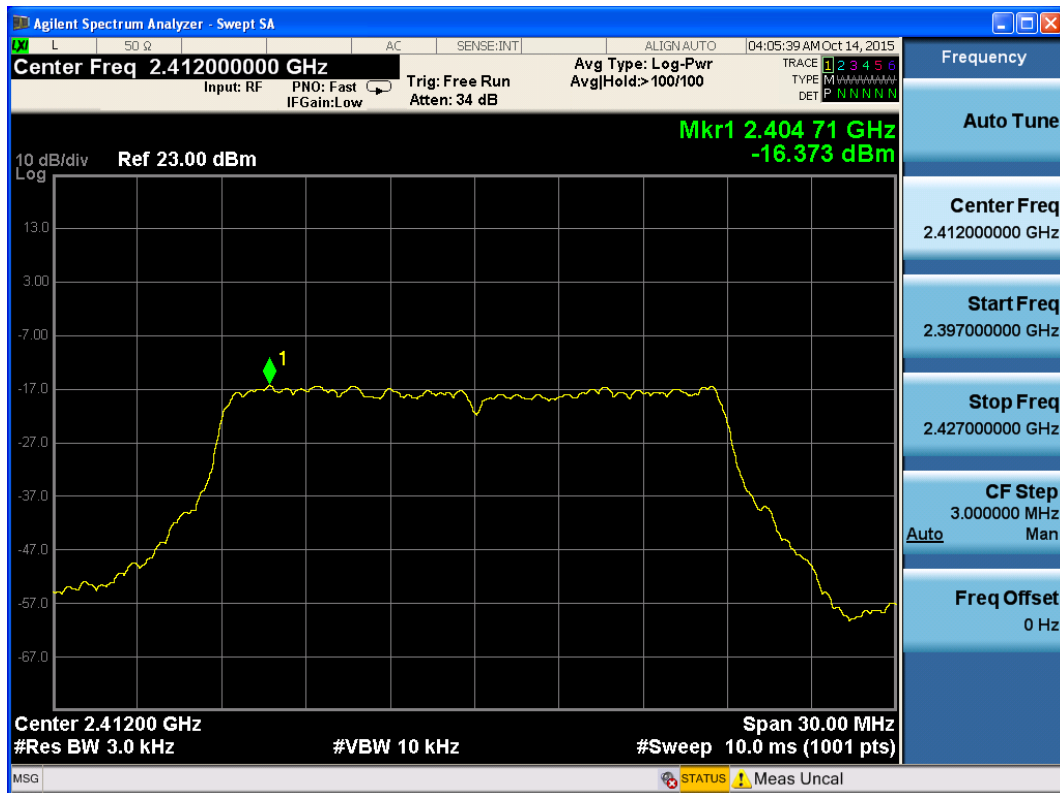
802.11g, Channel No.: 11

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

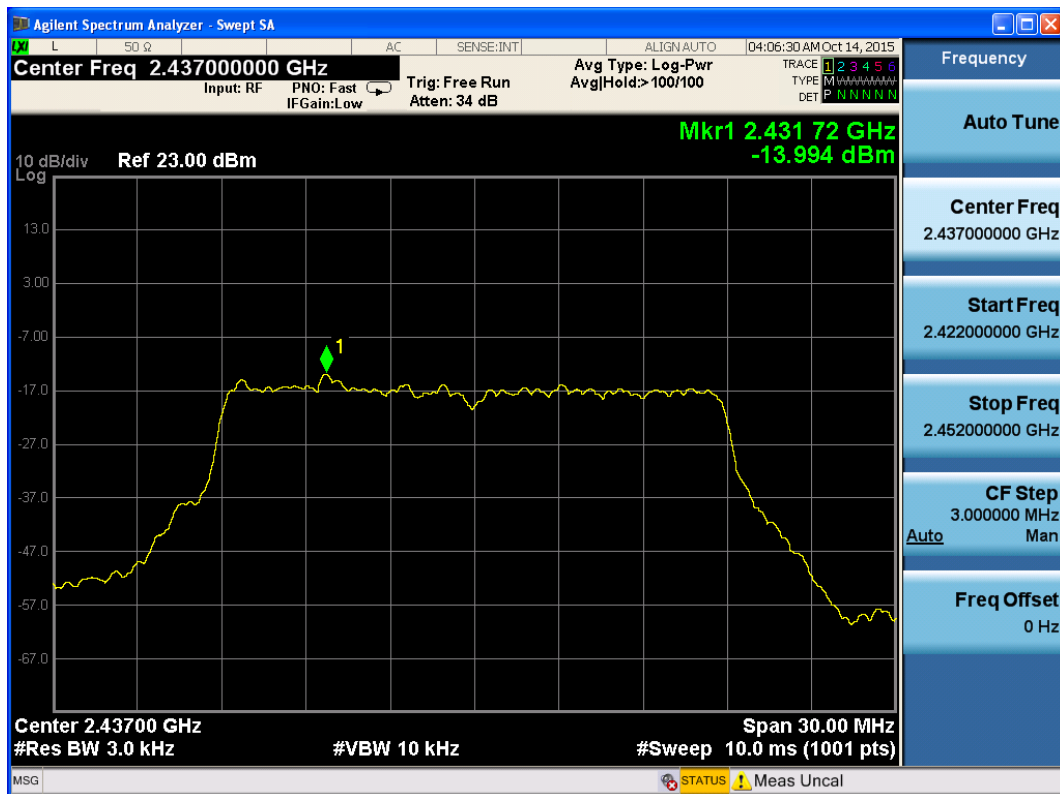
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802.11n (HT20)



802.11n, Channel No.: 1

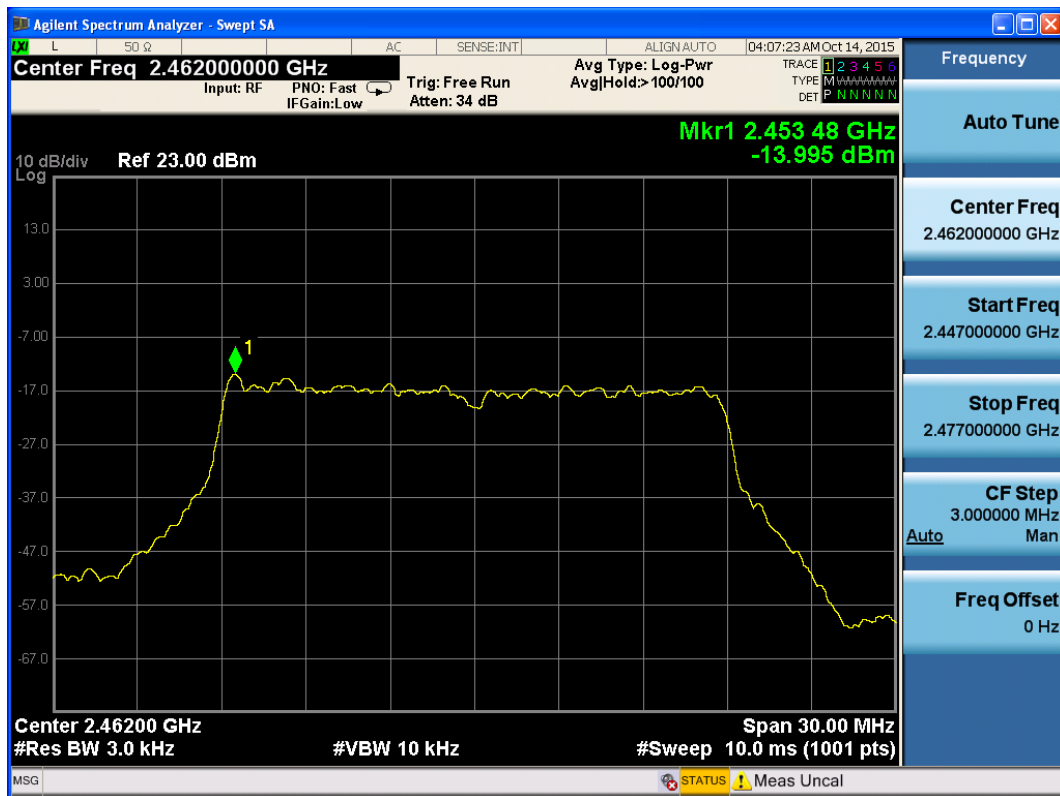


802.11n, Channel No.: 6

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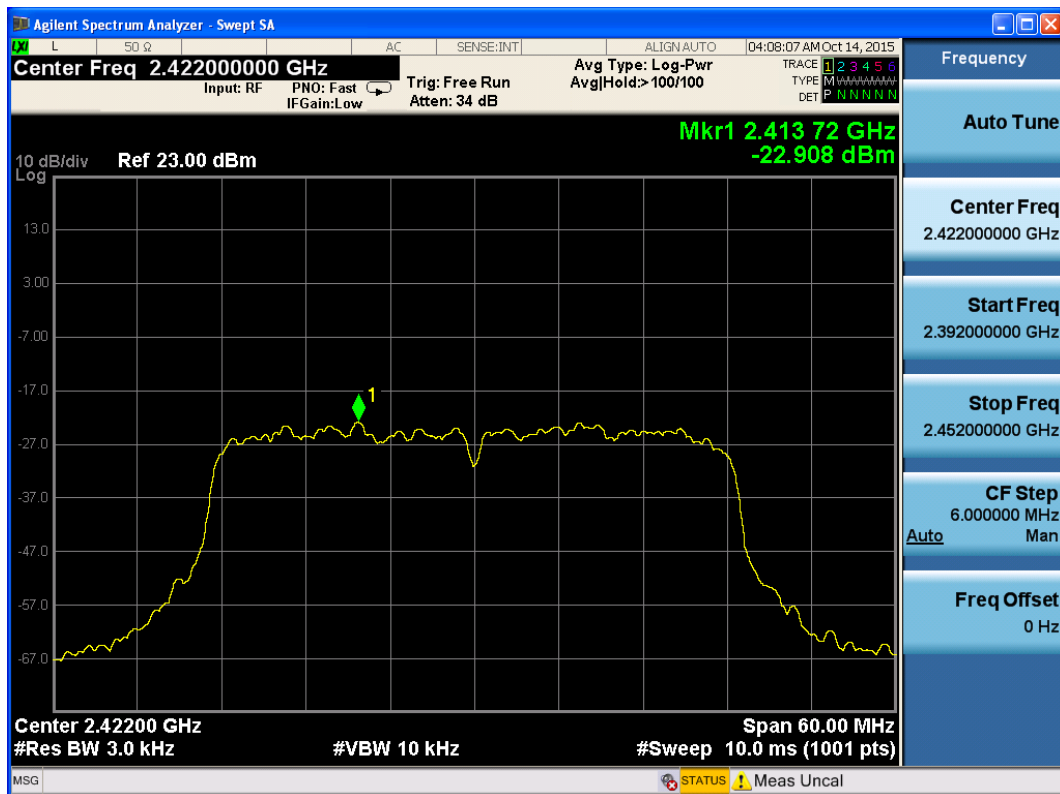
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802.11n, Channel No.: 11

802.11n (HT40)

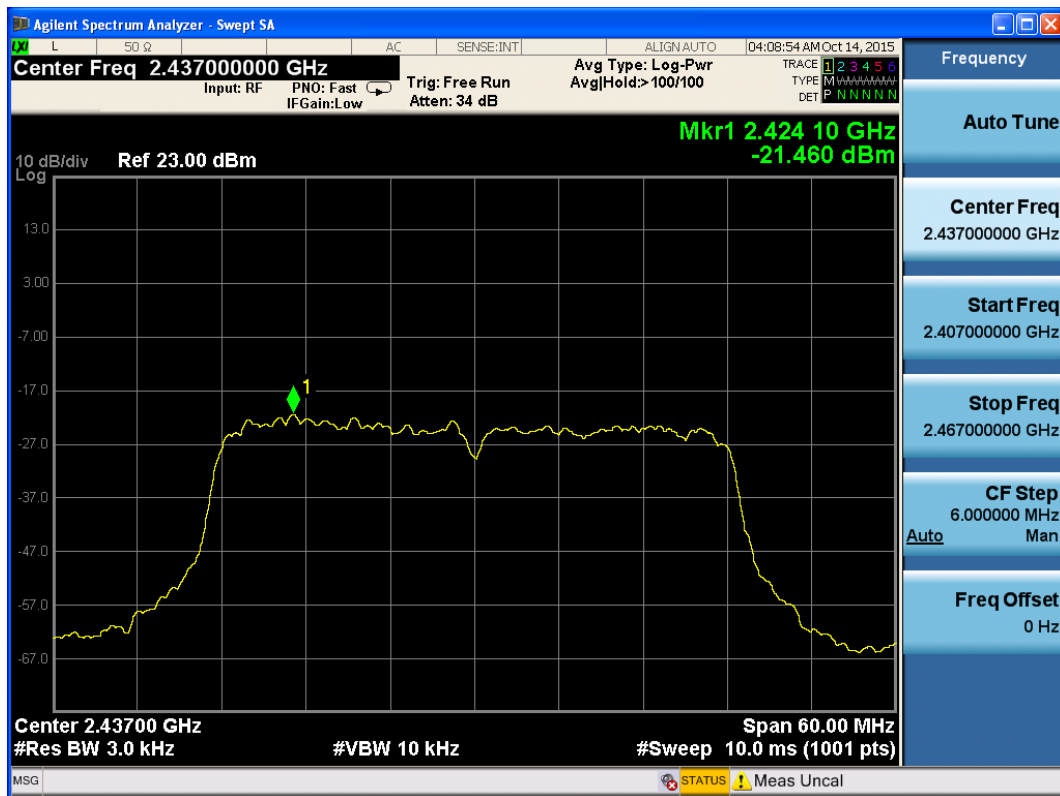


802.11n, Channel No.: 3

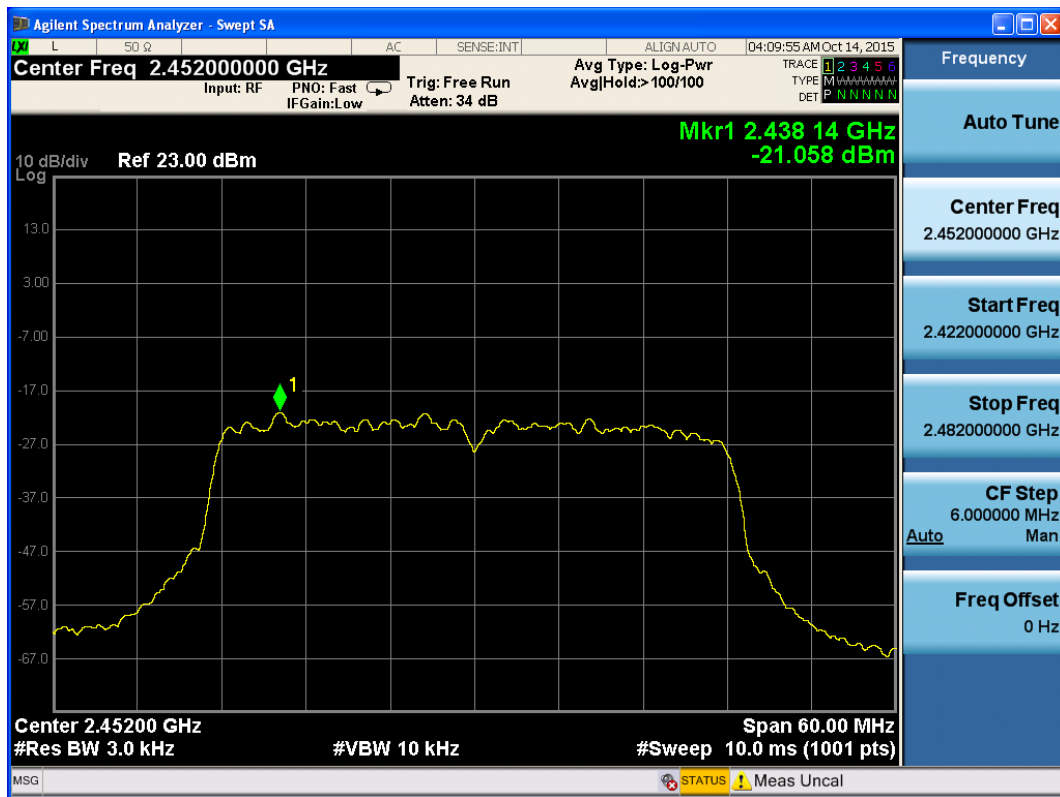
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802.11n, Channel No.: 6



802.11n, Channel No.: 9

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2.8. 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 WIFI test set via a power splitter with a known loss. The spectrum analyzer scans from 30MHz to the 10th harmonic of the carrier. The peak detector is used. RBW and VBW are set to 100 kHz, Sweep is set to ATUO.

The test is in transmitting 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	Reference value (dBm)	Limit
802.11b	2412	16.85	-3.15
	2437	17.13	-2.87
	2462	17.26	-2.74
802.11g	2412	15.12	-4.88
	2437	15.85	-4.15
	2462	15.84	-4.16
802.11n HT20	2412	12.07	-7.93
	2437	12.74	-7.26
	2462	12.85	-7.15
802.11n HT40	2422	8.08	-11.92
	2437	8.18	-11.82
	2452	8.15	-11.85

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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

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Test Report

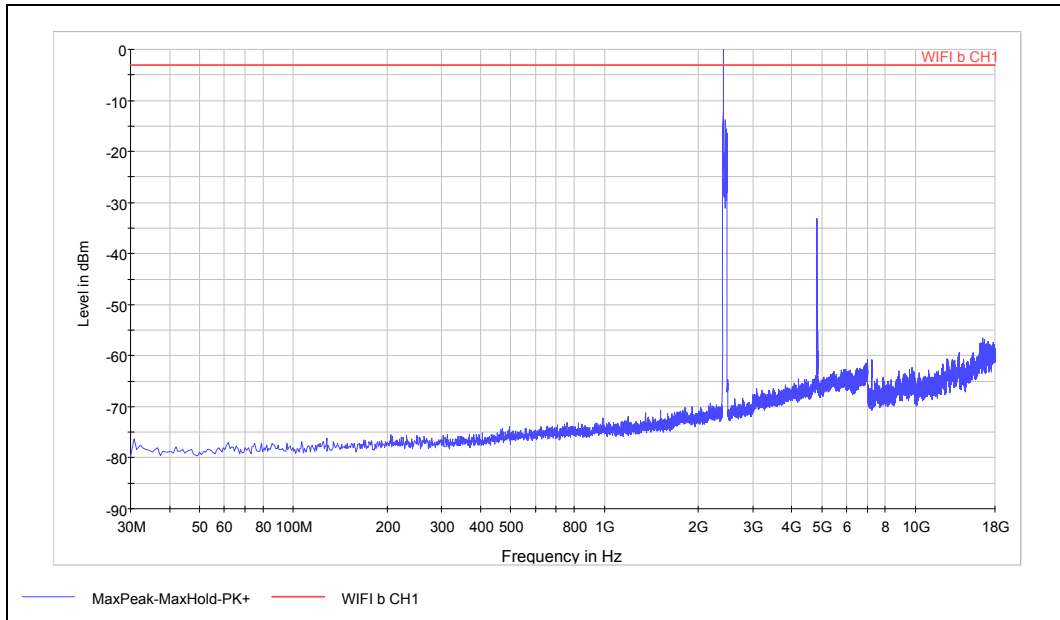
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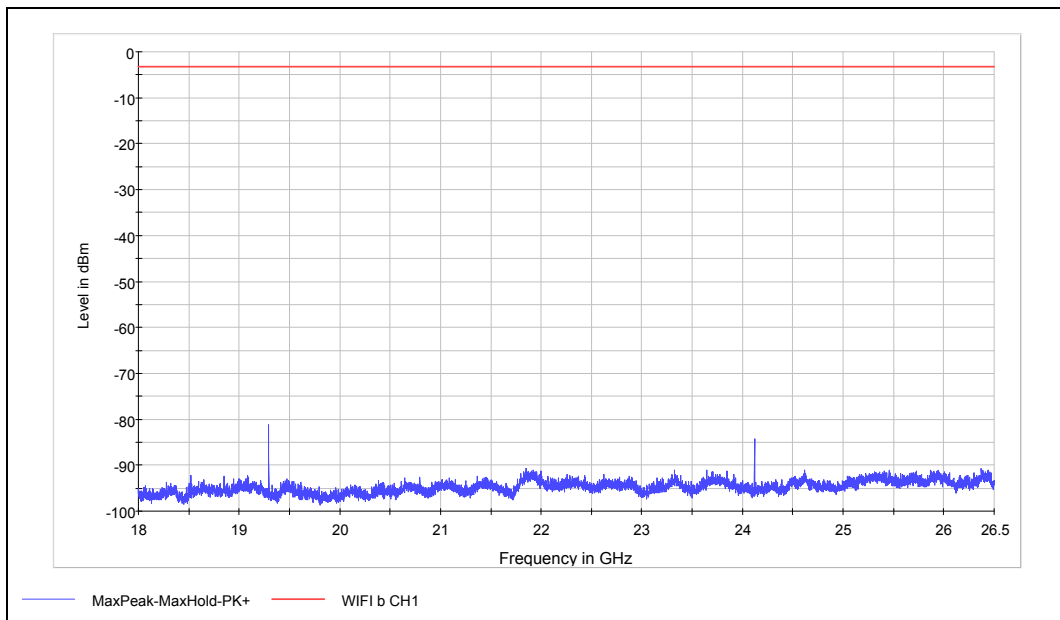
Test Results:

Sweep from 9 kHz to 30MHz, and the emissions more than 20 dB below the permissible value are not reported.

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

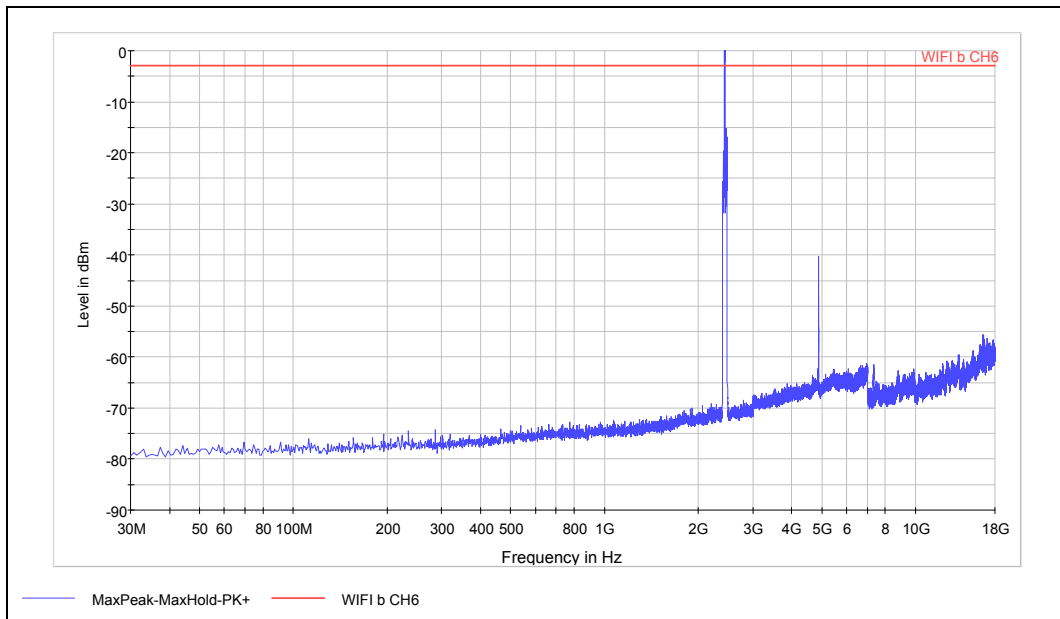
TA Technology (Shanghai) Co., Ltd.

Test Report

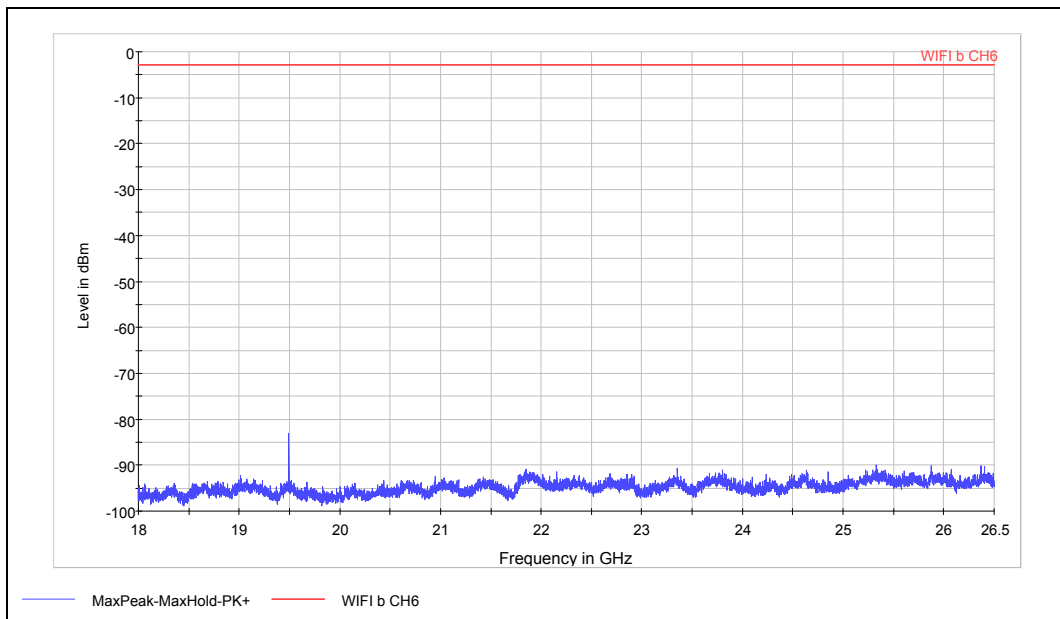
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802.11b CH6



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

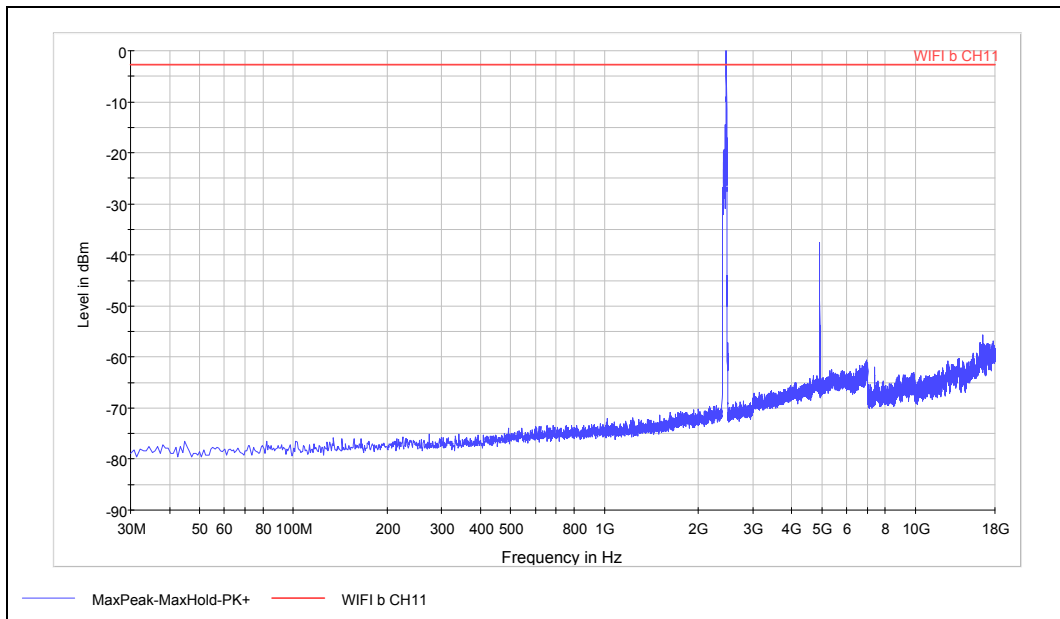
TA Technology (Shanghai) Co., Ltd.

Test Report

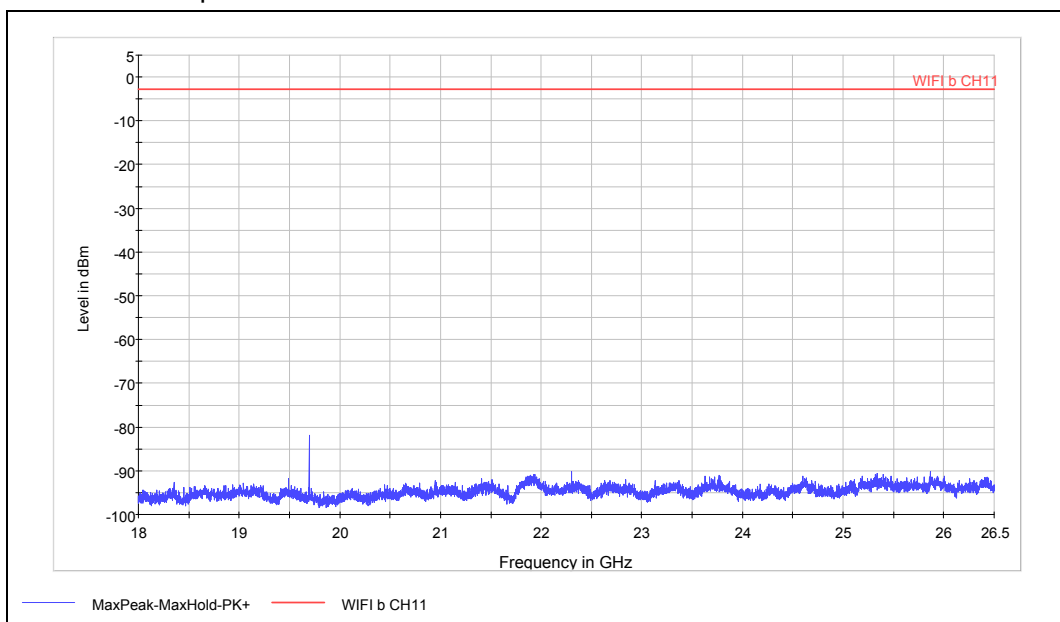
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802.11b CH11



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

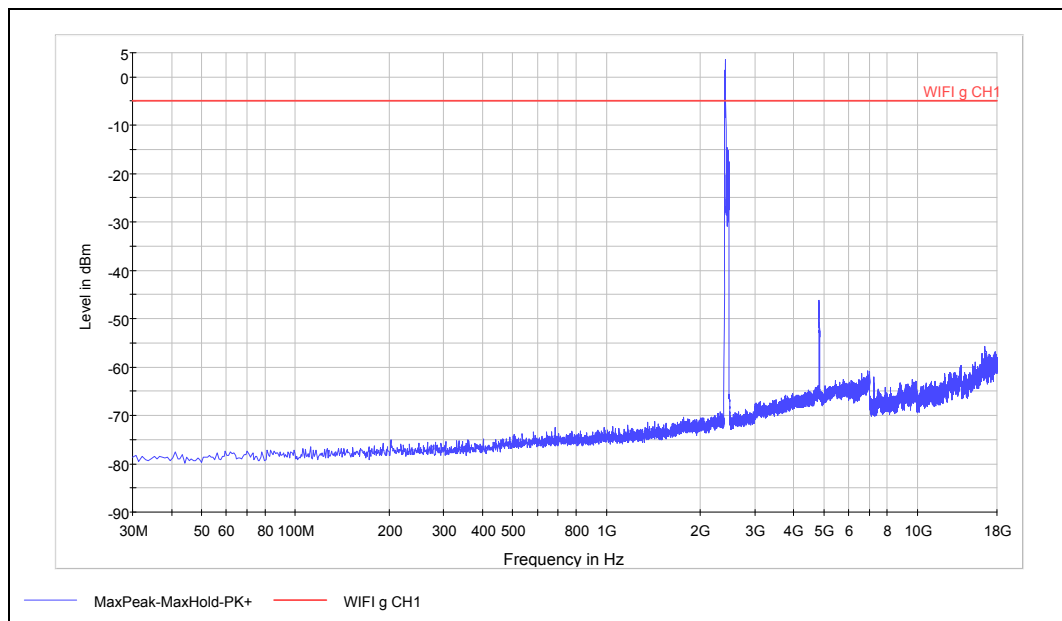
TA Technology (Shanghai) Co., Ltd.

Test Report

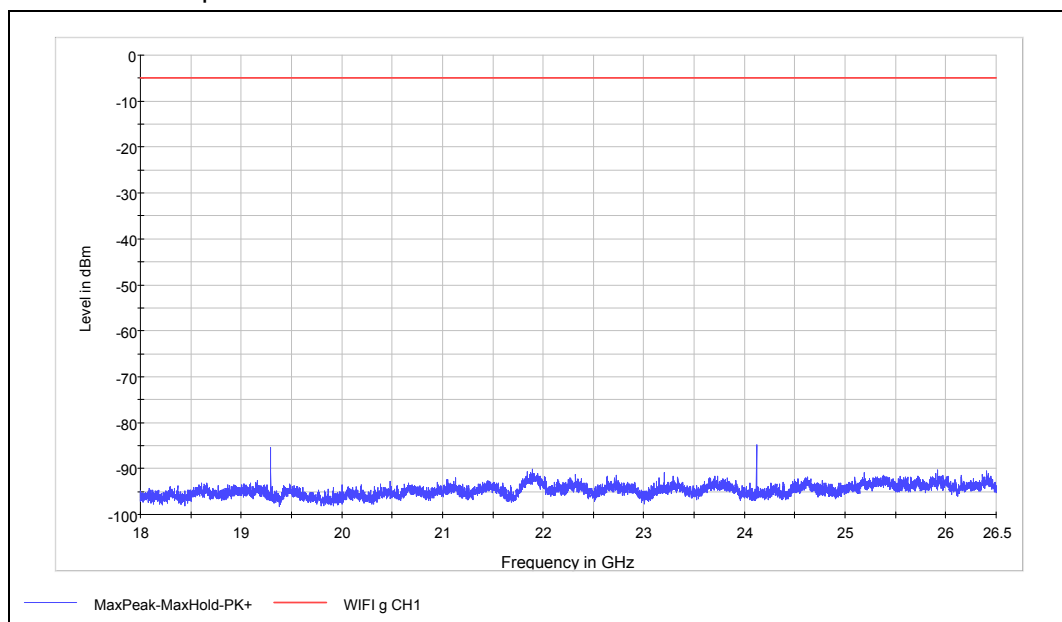
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802.11g CH1



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

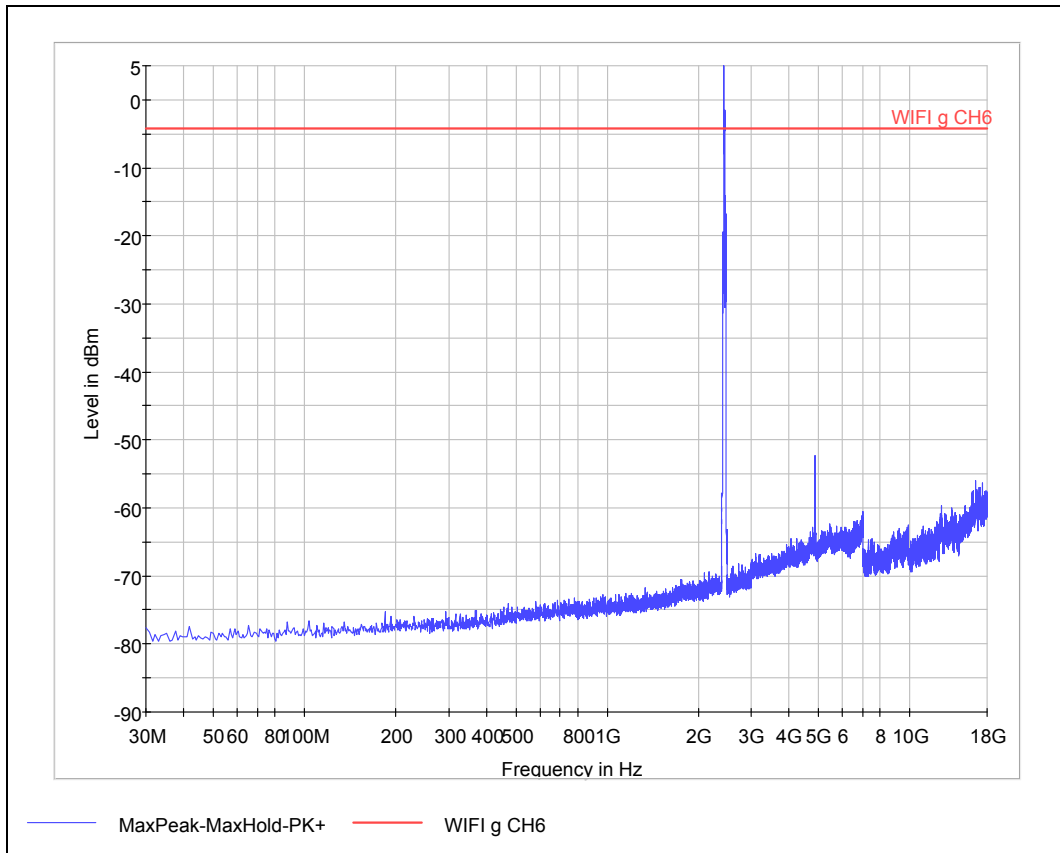
TA Technology (Shanghai) Co., Ltd.

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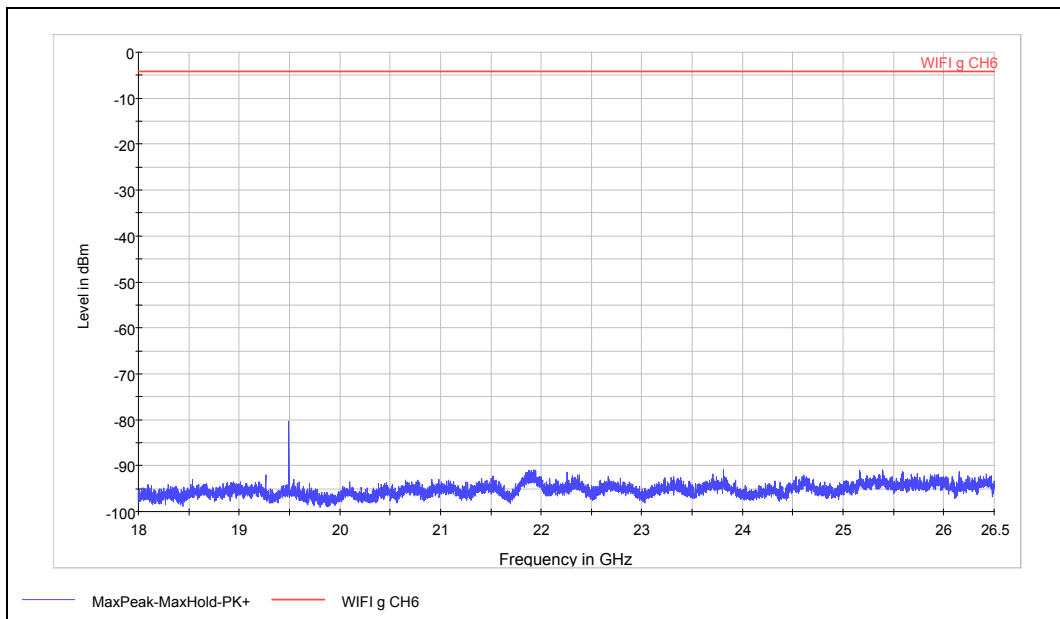
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802.11g CH6



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

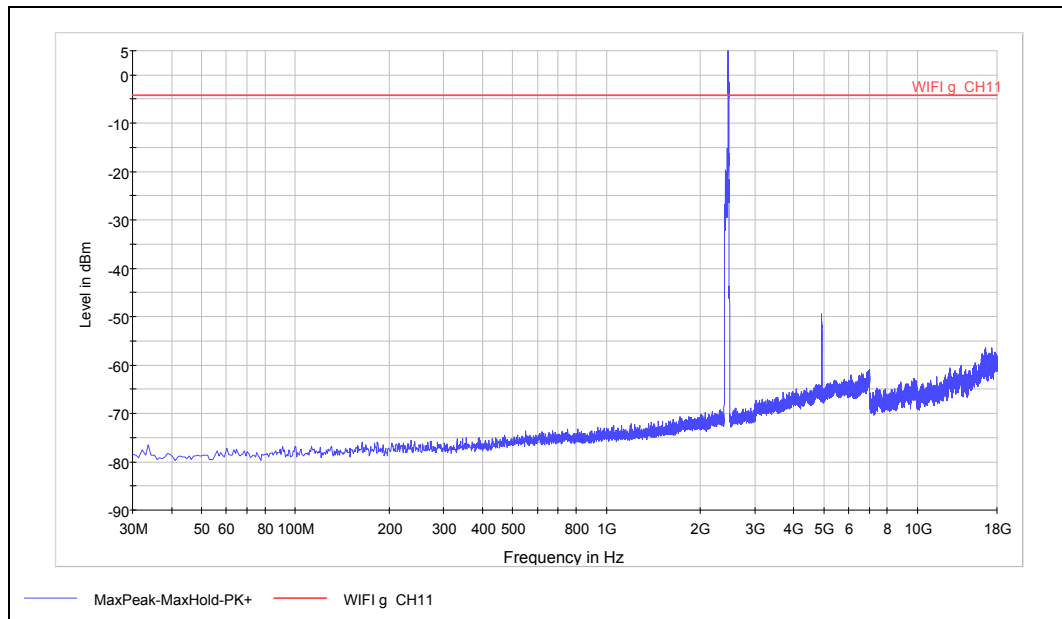
TA Technology (Shanghai) Co., Ltd.

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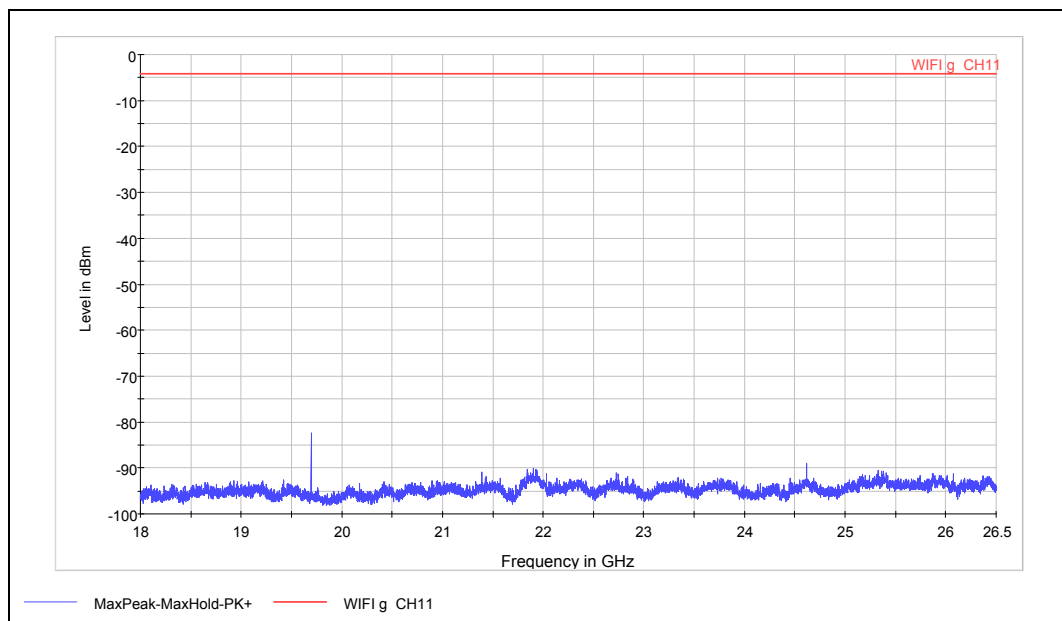
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802.11g CH11



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

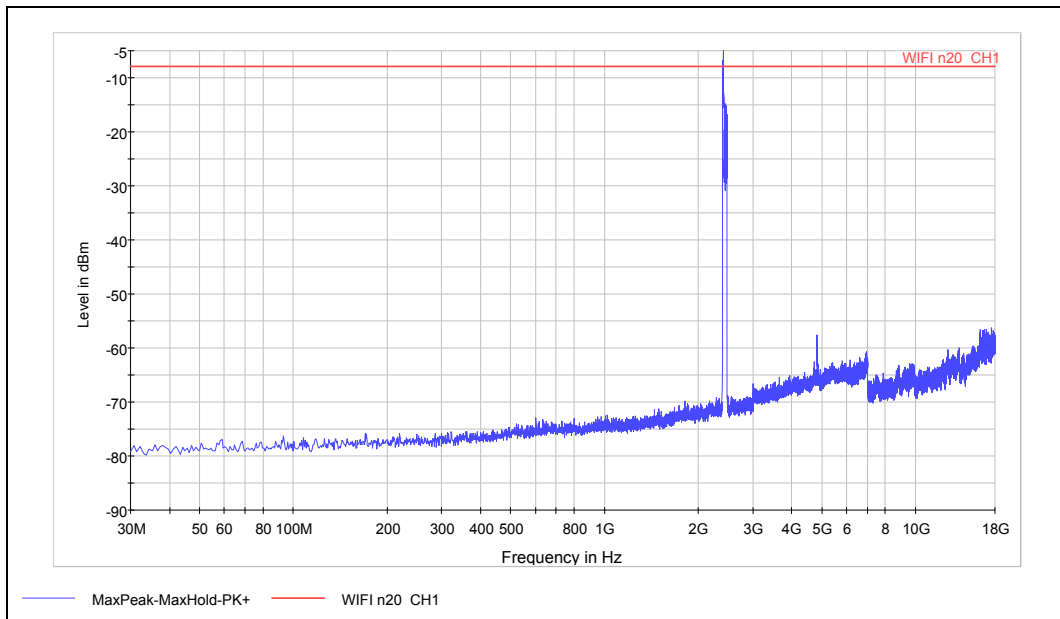
TA Technology (Shanghai) Co., Ltd.

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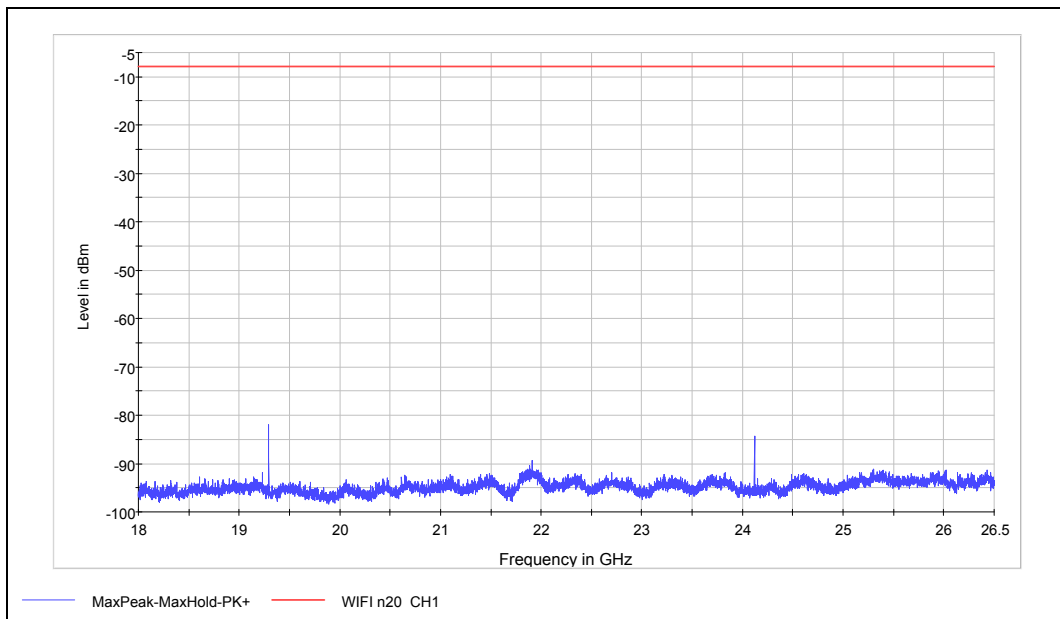
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802.11n(HT20) CH1



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

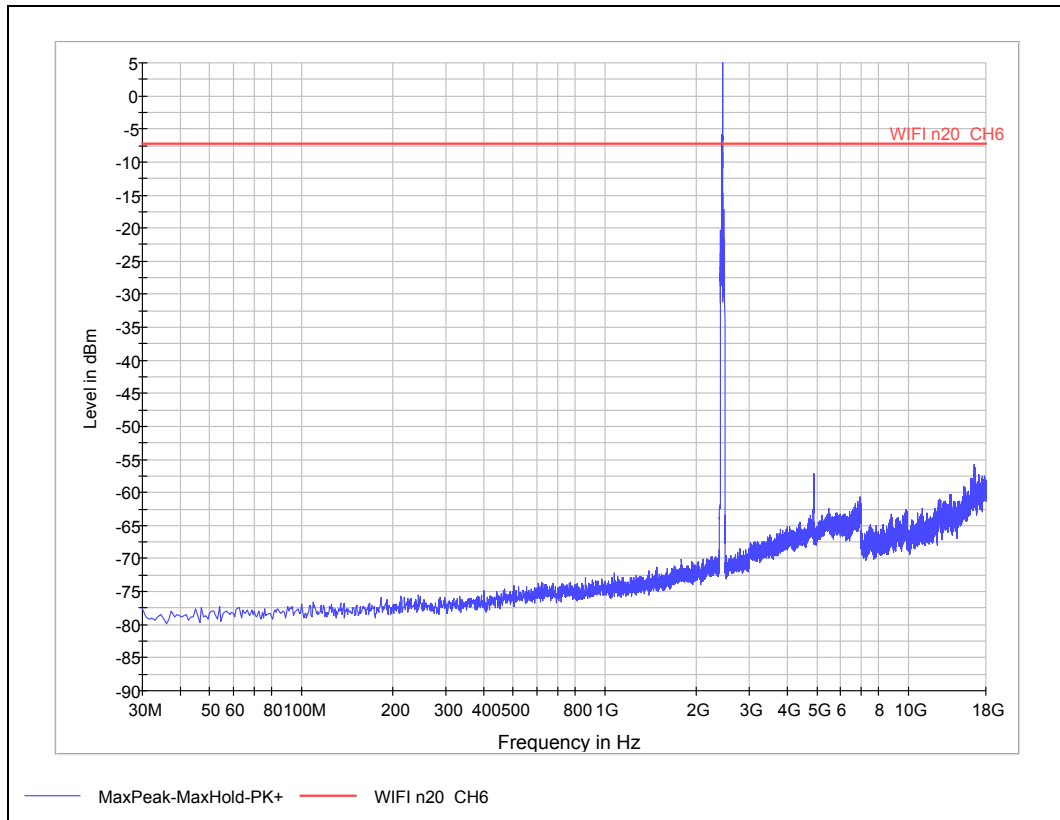
TA Technology (Shanghai) Co., Ltd.

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Report No.: RXA1509-0168RF03R3

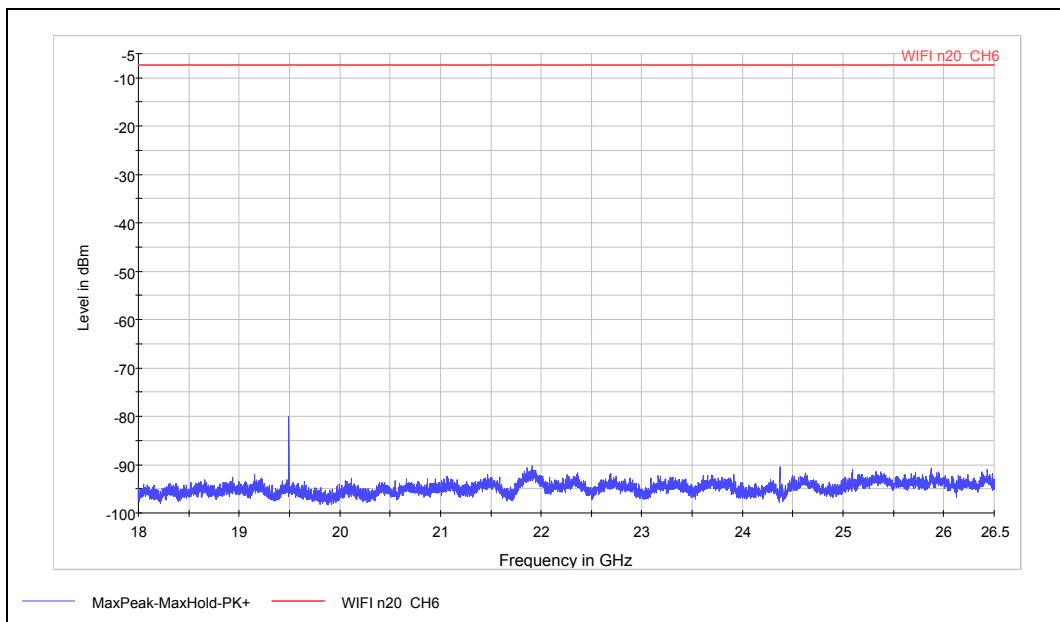
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802.11n(HT20) CH6



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

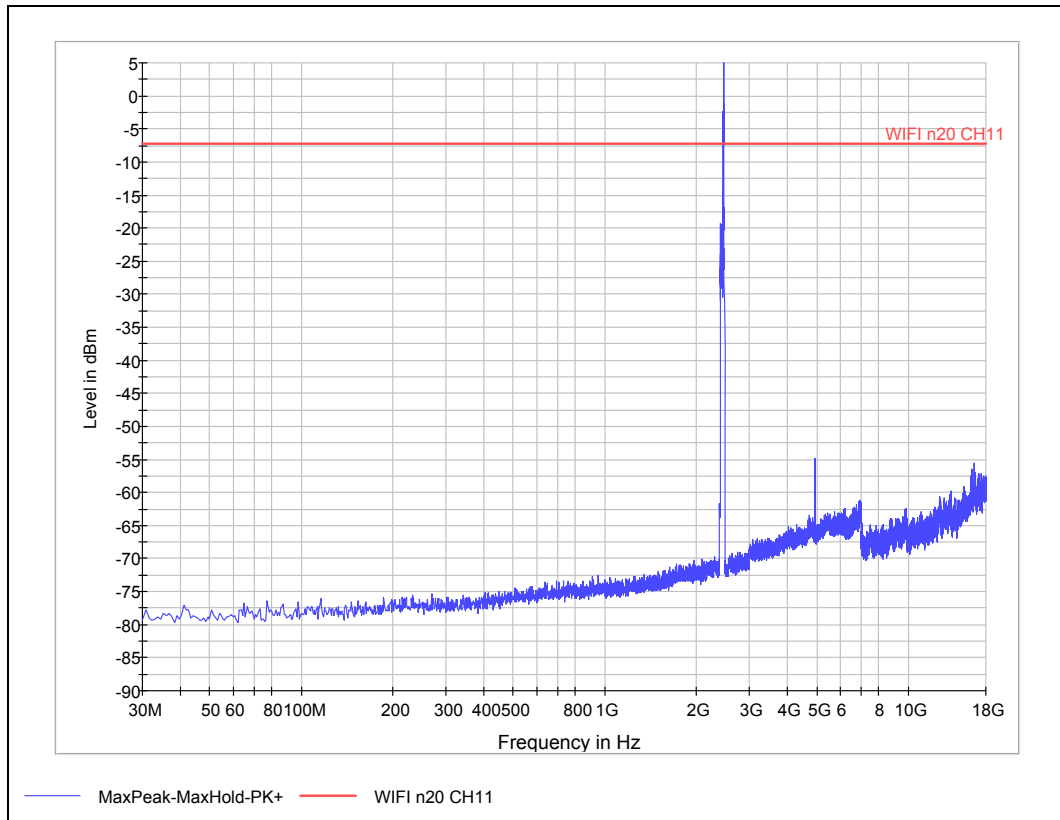
TA Technology (Shanghai) Co., Ltd.

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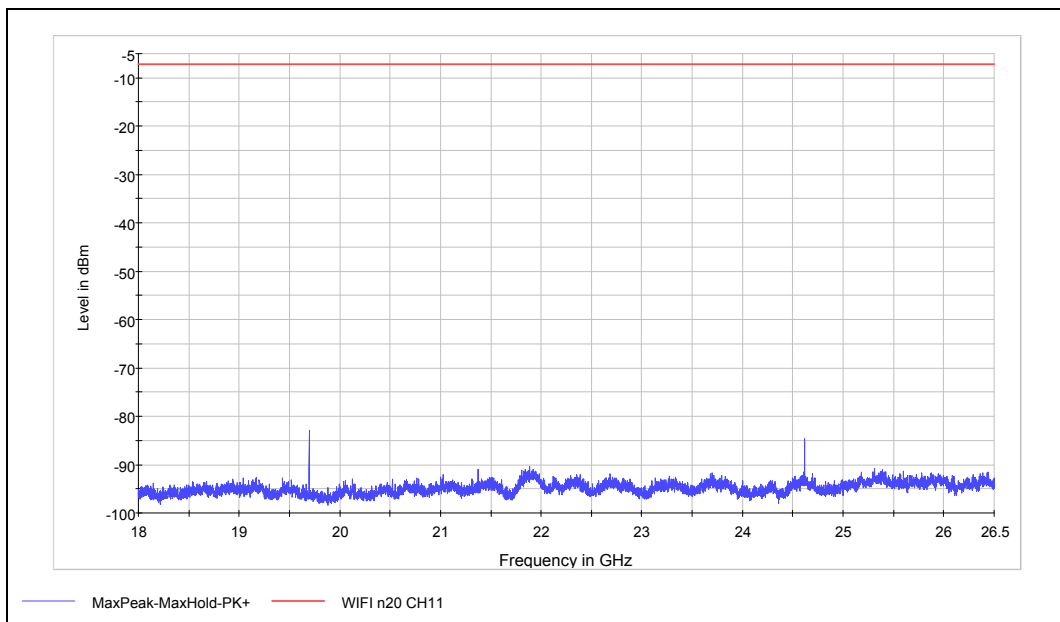
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802.11n(HT20) CH11



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

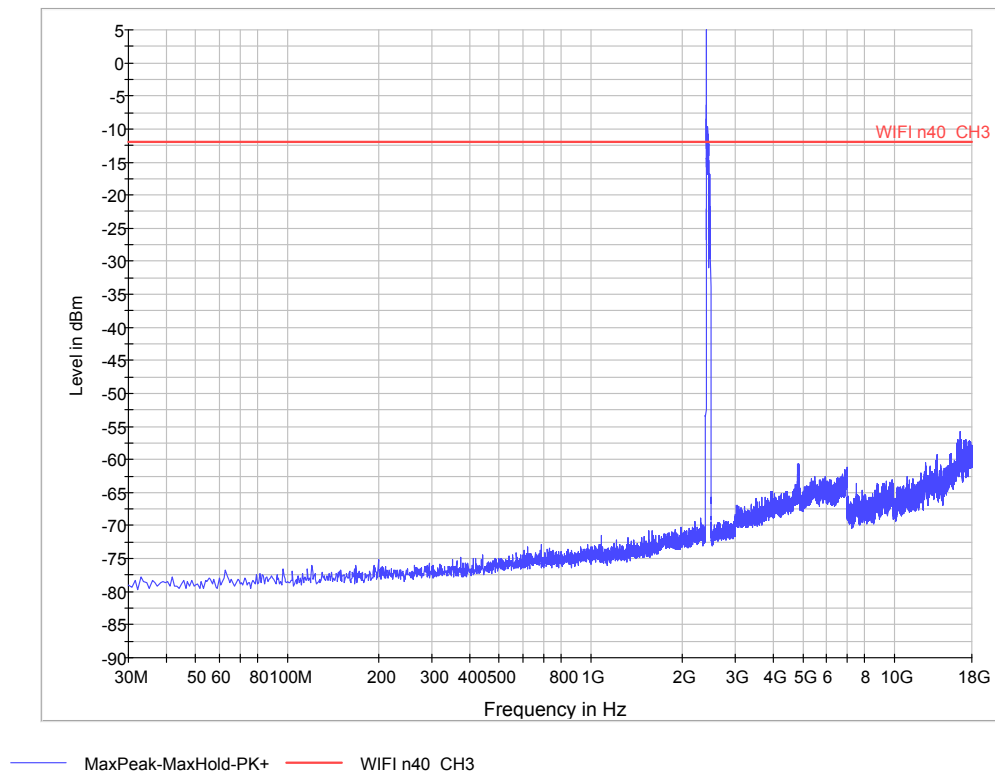
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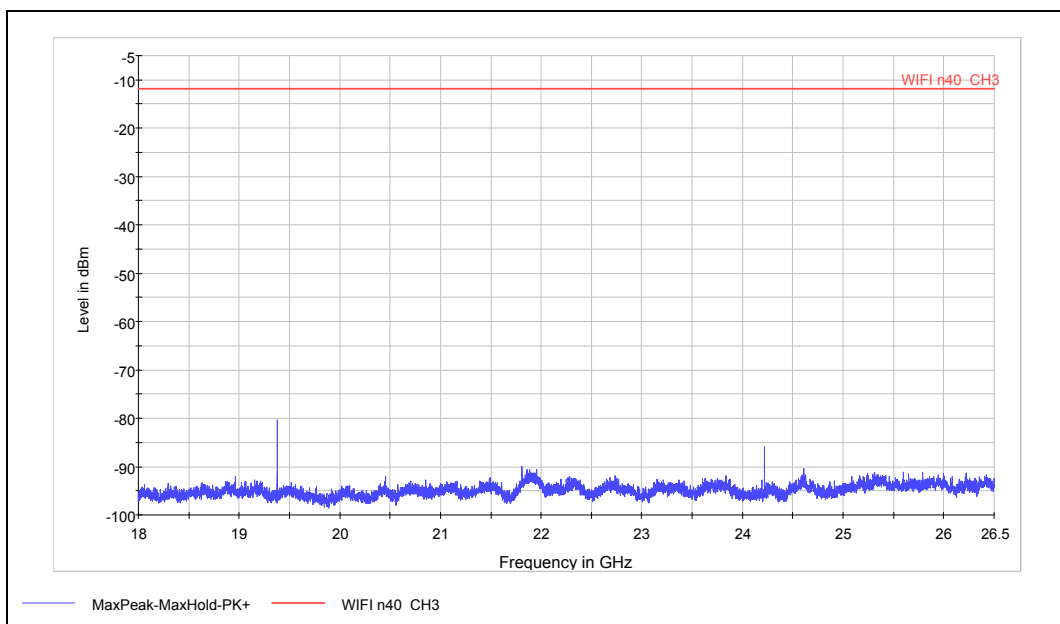
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802.11n(HT40) CH3



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

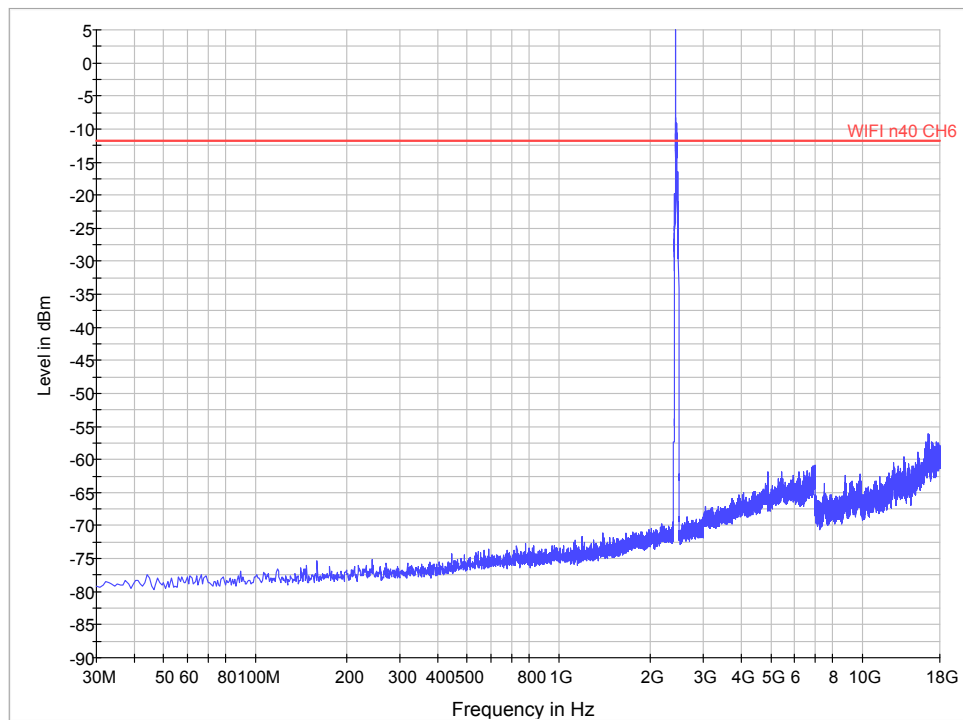
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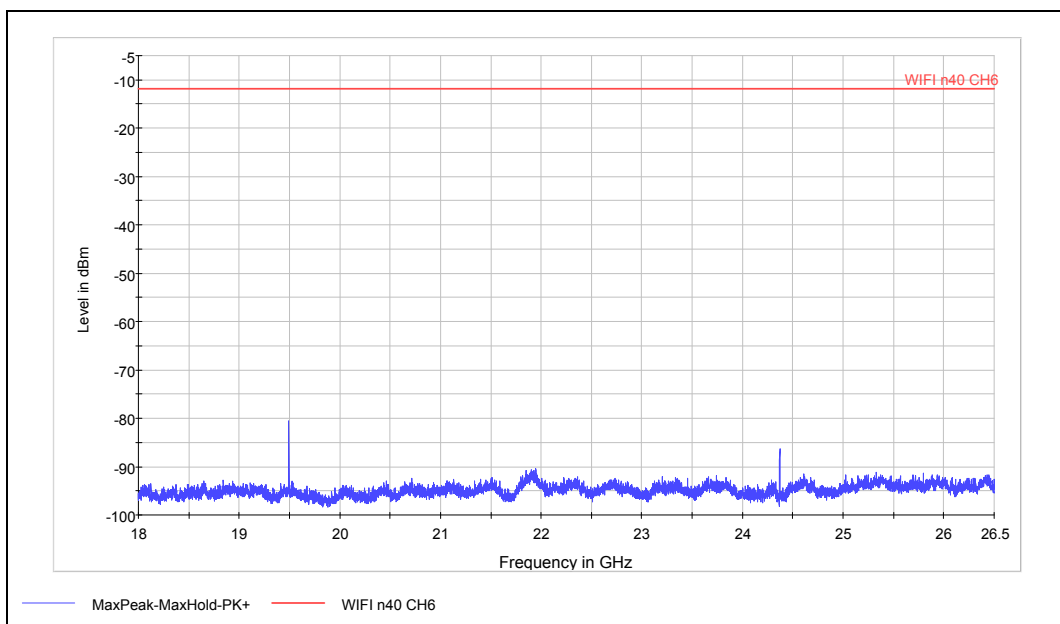
802.11n(HT40) CH6



MaxPeak-MaxHold-PK+ WIFI n40 CH6

Note: The signal beyond the limit is carrier

Spurious RF conducted emissions from 30MHz to 18GHz



MaxPeak-MaxHold-PK+ WIFI n40 CH6

Spurious RF conducted emissions from 18GHz to 26.5GHz

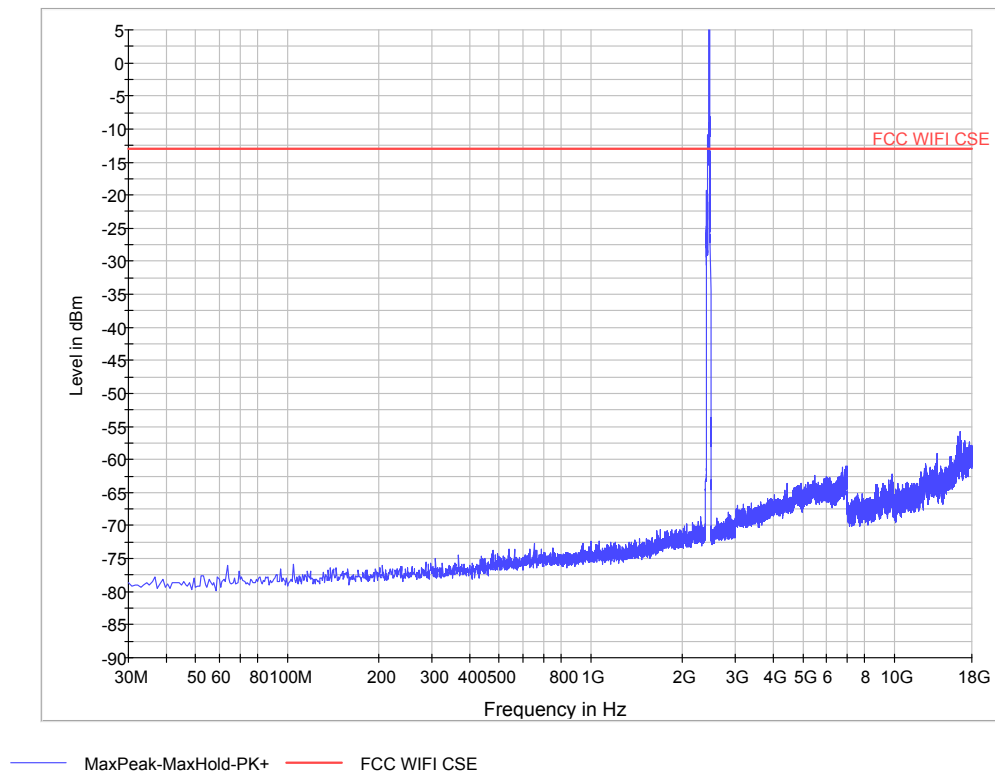
TA Technology (Shanghai) Co., Ltd.

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Report No.: RXA1509-0168RF03R3

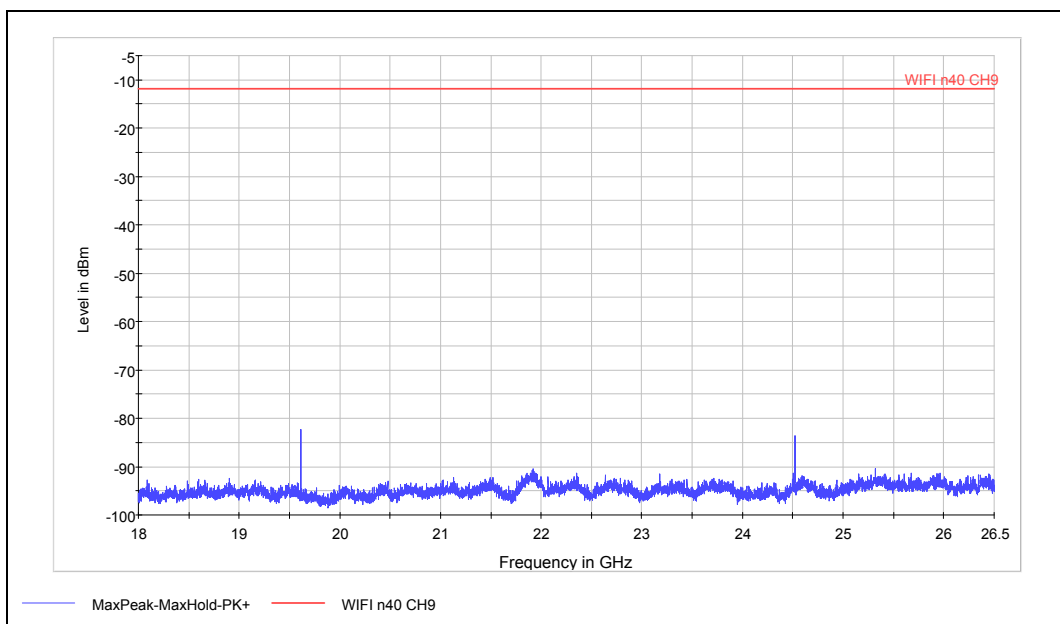
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802.11n(HT40) CH9



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

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2.9. 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 C63.10-2013. 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 range from 9kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

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 (detector: Peak and Quasi-Peak)

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

Above 1GHz(detector: Peak):

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

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

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

The test is in transmitting mode.

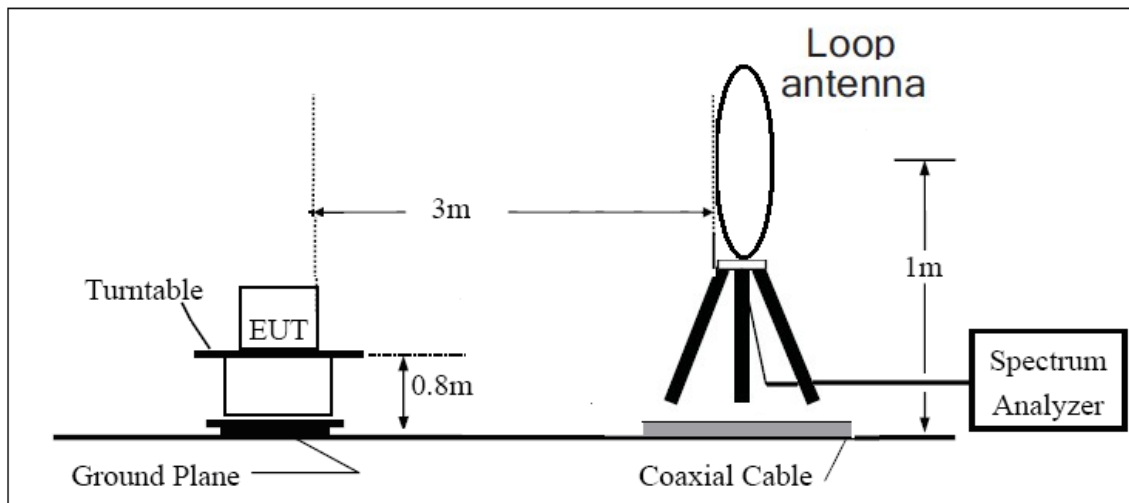
TA Technology (Shanghai) Co., Ltd.
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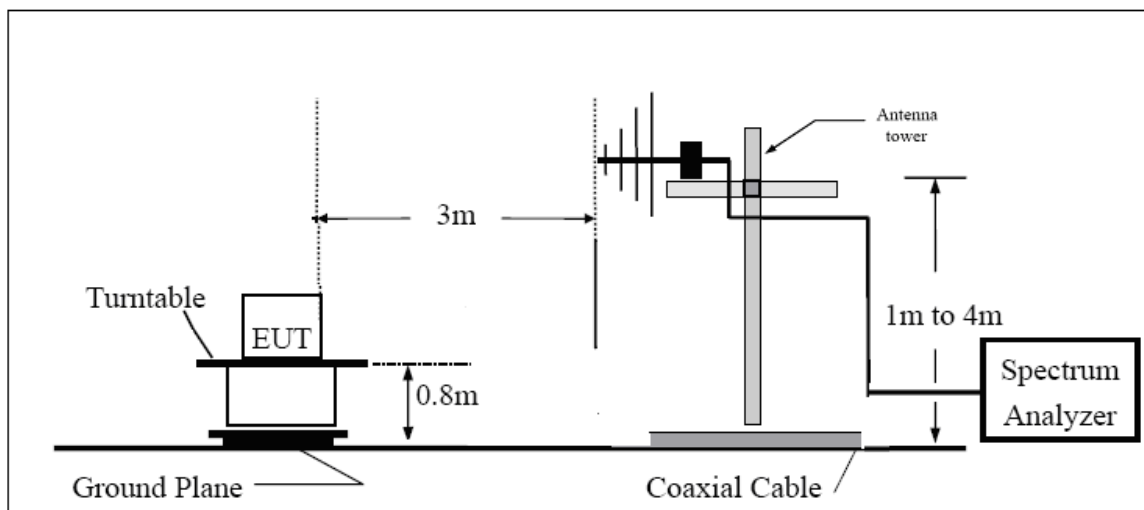
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Test setup

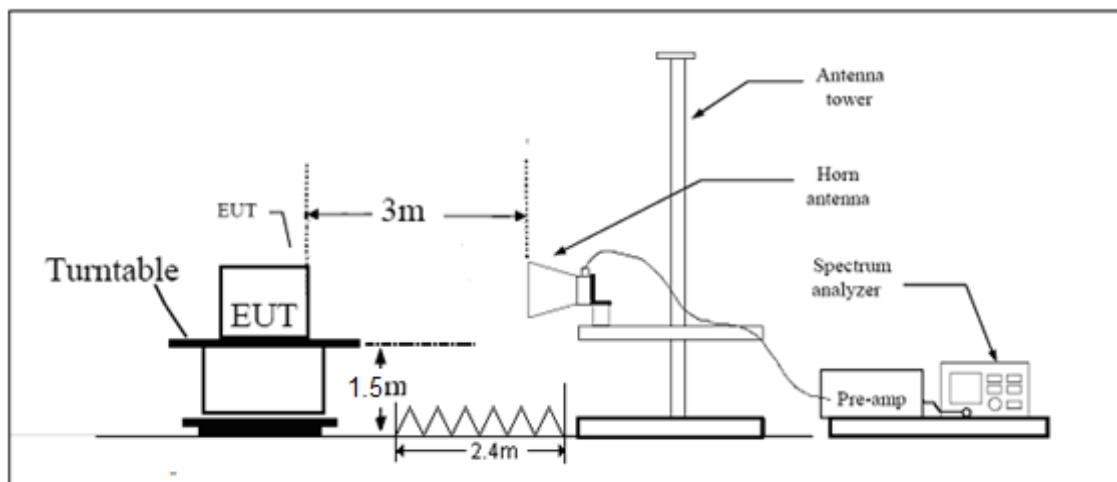
9KHz~~~30MHz



30MHz~~~ 1GHz



Above 1GHz



Note: Area side: 2.4mX3.6m

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Limits

Rule RSS-GEN 8.9 specifies that “Except when the requirements applicable to a given device state otherwise, emissions from licence-exempt transmitters shall comply with the field strength limits shown in Table 4 or Table 5 below. Additionally, the level of any transmitter emission shall not exceed the level of the transmitter’s fundamental emission.”

Table 4 – General Field Strength Limits for Licence-Exempt Transmitters at Frequencies Above 30 MHz

Frequency (MHz)	Field Strength (µV/m at 3 metres)
30-88	100
88-216	150
216-960	200
Above 960*	500

Table 5 – General Field Strength Limits for Licence-Exempt Transmitters at Frequencies Below 30 MHz

Frequency	Electric Field Strength (µV/m)	Magnetic Field Strength (H-Field) (µA/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/377F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/377F (F in kHz)	30
1,705-30 MHz	30	N/A	30

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
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.19 dB
200MHz-1GHz	3.63 dB
Above 1GHz	3.68 dB

TA Technology (Shanghai) Co., Ltd.

Test Report

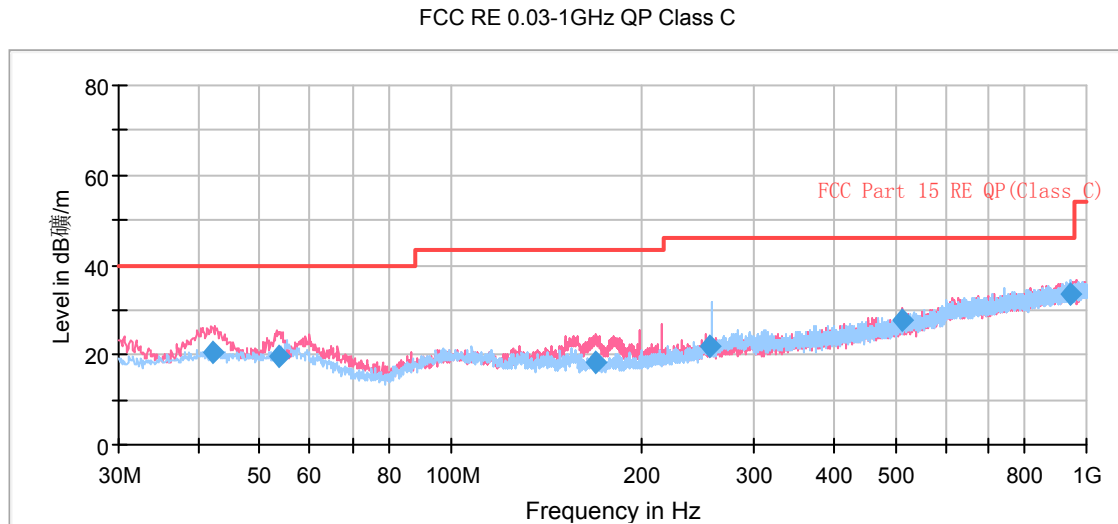
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Test result

Sweep from 9 kHz to 30MHz, and the emissions more than 20 dB below the permissible value are not reported.

802.11b CH1



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

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)
42.163750	20.8	100.0	V	336.0	7.6	-13.2	19.2	40.0
53.646250	19.5	100.0	V	314.0	6.7	-12.8	20.5	40.0
168.347500	18.2	100.0	V	207.0	8.0	-10.2	29.3	43.5
256.177500	22.0	125.0	H	92.0	7.7	-14.3	31.0	46.0
513.995000	27.6	100.0	V	94.0	7.3	-20.3	28.4	46.0
943.698750	33.3	100.0	H	166.0	7.2	-26.1	20.7	46.0

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

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

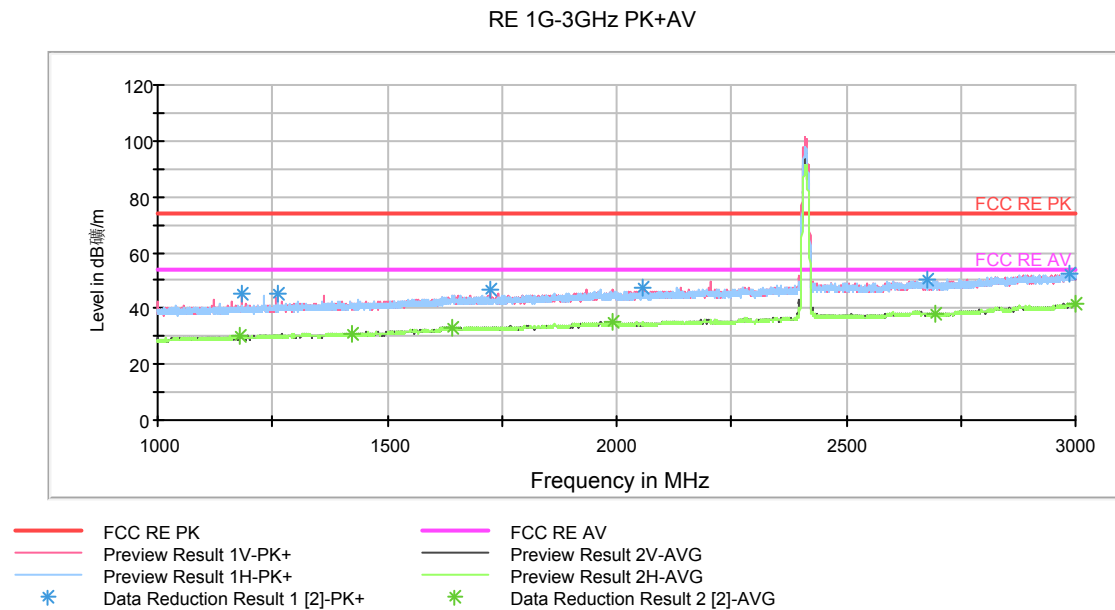
3. Margin = Limit – Quasi-Peak

TA Technology (Shanghai) Co., Ltd.

Test Report

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Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1181.000000	39.8	100.0	H	245.0	31.8	-8.0	34.2	74
1425.000000	40.6	100.0	H	144.0	33.7	-6.9	33.4	74
1642.250000	43.1	100.0	H	197.0	38.3	-4.8	30.9	74
1991.500000	44.4	100.0	H	327.0	41.1	-3.3	29.6	74
2693.750000	47.7	100.0	H	155.0	47.6	-0.1	26.3	74
2998.750000	51.1	100.0	H	203.0	48.8	-2.3	22.9	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1181.000000	30.0	100.0	H	245.0	22.0	-8.0	24.0	54
1425.000000	31.0	100.0	H	144.0	24.1	-6.9	23.0	54
1642.250000	33.4	100.0	H	197.0	28.6	-4.8	20.6	54
1991.500000	35.1	100.0	H	327.0	31.8	-3.3	18.9	54
2693.750000	38.1	100.0	H	155.0	38.0	-0.1	15.9	54
2998.750000	41.7	100.0	H	203.0	39.4	-2.3	12.3	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

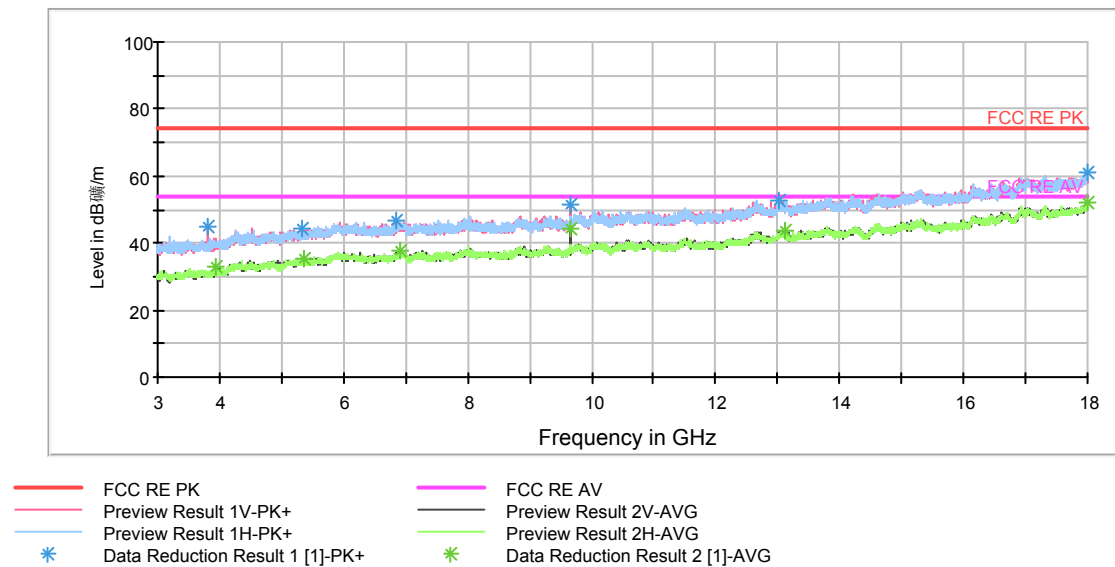
TA Technology (Shanghai) Co., Ltd.

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RE 3-18GHz PK+AV(YIPU)



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dB μ V/m) in the test plot =(level in dBuV/m)

Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3935.625000	39.8	100.0	H	288.0	39.8	-0.0	34.2	74
5360.625000	43.2	100.0	V	0.0	39.5	-3.7	30.8	74
6907.500000	46.1	100.0	H	279.0	39.2	-6.9	27.9	74
9648.750000	51.6	100.0	V	9.0	41.1	-10.5	22.4	74
13125.000000	50.1	100.0	H	77.0	34.2	-15.9	23.9	74
17996.250000	58.9	100.0	H	161.0	33.5	-25.4	15.1	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3935.625000	28.7	100.0	H	288.0	28.7	-0.0	25.3	54
5360.625000	33.9	100.0	V	0.0	30.2	-3.7	20.1	54
6907.500000	34.7	100.0	H	279.0	27.8	-6.9	19.3	54
9648.750000	40.3	100.0	V	9.0	29.8	-10.5	13.7	54
13125.000000	39.8	100.0	H	77.0	23.9	-15.9	14.2	54
17996.250000	50.6	100.0	H	161.0	25.2	-25.4	3.4	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

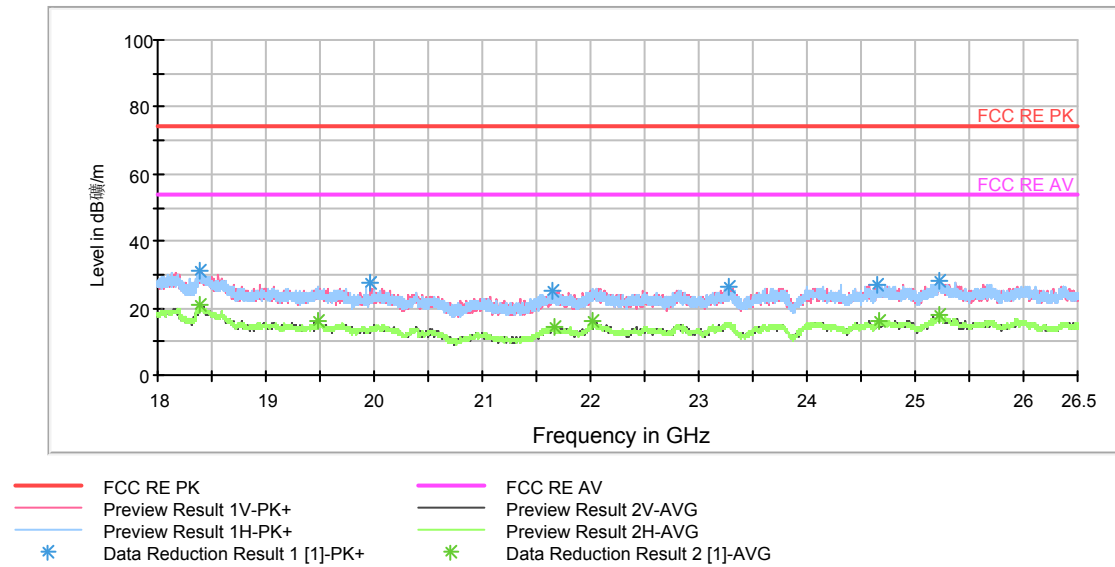
TA Technology (Shanghai) Co., Ltd.

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RE 18-26.5GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18394.187500	31.3	H	0.0	26.4	-4.9	42.7	74
19483.250000	25.3	H	0.0	17.6	-7.7	48.7	74
21663.500000	22.6	H	0.0	13.3	-9.3	51.4	74
22022.625000	24.9	H	0.0	16.9	-8.0	49.1	74
24668.250000	23.3	H	0.0	16.1	-7.2	50.7	74
25228.187500	25.8	V	0.0	19.9	-5.9	48.2	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18394.187500	21.0	H	0.0	16.1	-4.9	33.0	54
19483.250000	16.0	H	0.0	8.3	-7.7	38.0	54
21663.500000	14.3	H	0.0	5.0	-9.3	39.7	54
22022.625000	15.9	H	0.0	7.9	-8.0	38.1	54
24668.250000	16.4	H	0.0	9.2	-7.2	37.6	54
25228.187500	17.8	V	0.0	11.9	-5.9	36.2	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

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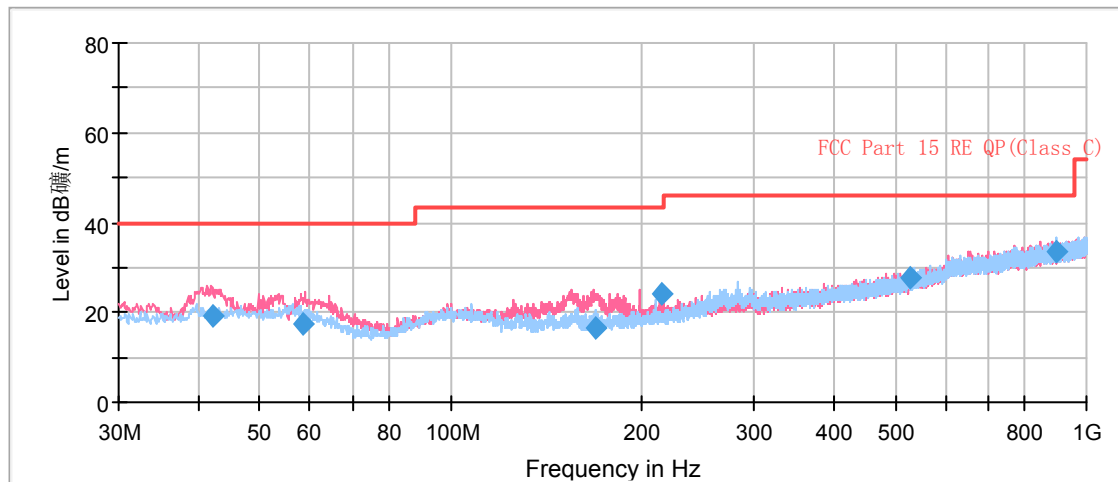
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802.11b CH6

FCC RE 0.03-1GHz QP Class C



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

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)
42.083750	19.4	100.0	V	128.0	6.2	13.2	20.6	40.0
58.377500	17.2	100.0	V	14.0	4.6	12.6	22.8	40.0
168.341250	16.3	100.0	V	58.0	6.1	10.2	27.2	43.5
214.502500	24.2	100.0	V	341.0	11.6	12.6	19.3	43.5
528.011250	27.5	125.0	V	69.0	7.0	20.5	26.5	46.0
898.317500	33.7	125.0	H	81.0	8.1	25.6	21.3	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

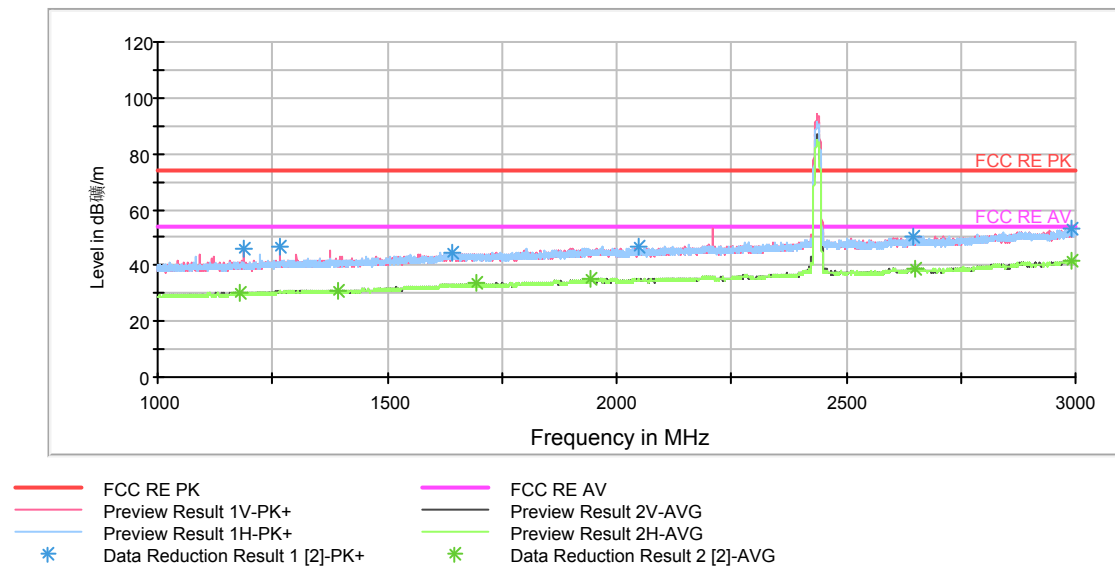
TA Technology (Shanghai) Co., Ltd.

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RE 1G-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1180.000000	39.8	100.0	H	151.0	31.8	-8.0	34.2	74
1395.000000	40.7	100.0	V	135.0	33.6	-7.1	33.3	74
1696.000000	42.2	100.0	H	69.0	37.2	-5.0	31.8	74
1944.250000	43.8	100.0	H	0.0	40.5	-3.3	30.2	74
2650.250000	48.5	100.0	V	270.0	48.1	-0.4	25.5	74
2992.750000	50.6	100.0	V	207.0	48.4	-2.2	23.4	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1180.000000	30.2	100.0	H	151.0	22.2	-8.0	23.8	54
1395.000000	31.2	100.0	V	135.0	24.1	-7.1	22.8	54
1696.000000	33.5	100.0	H	69.0	28.5	-5.0	20.5	54
1944.250000	35.3	100.0	H	0.0	32.0	-3.3	18.7	54
2650.250000	38.7	100.0	V	270.0	38.3	-0.4	15.3	54
2992.750000	41.8	100.0	V	207.0	39.6	-2.2	12.2	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

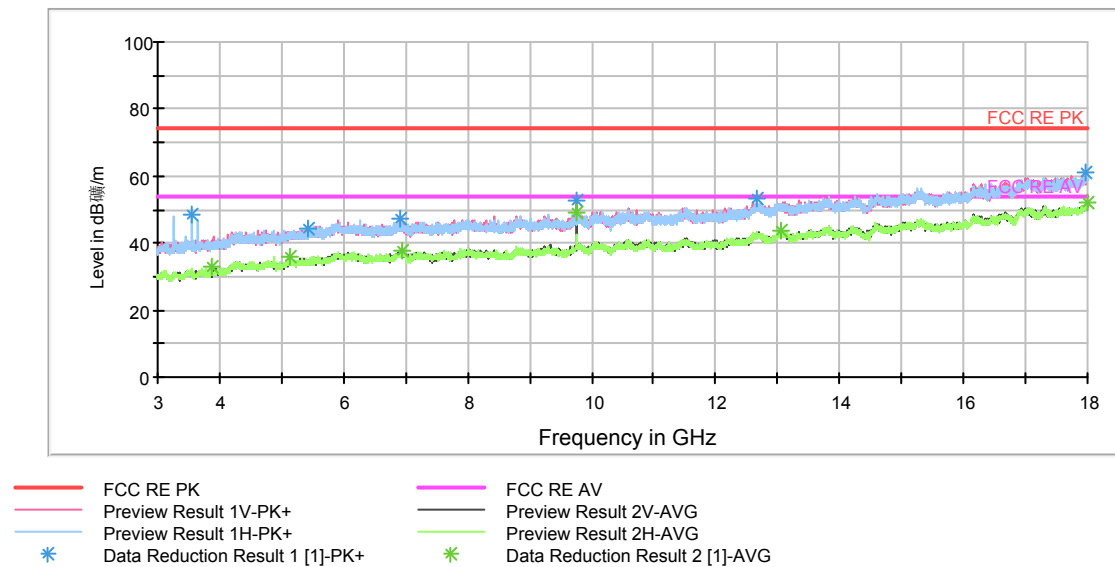
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RE 3-18GHz PK+AV(YIPU)



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dB μ V/m) in the test plot =(level in dBuV/m)

Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3870.000000	39.5	100.0	H	87.0	39.2	-0.3	34.5	74
5131.875000	42.0	100.0	H	150.0	38.4	-3.6	32.0	74
6931.875000	44.0	100.0	H	10.0	37.2	-6.8	30.0	74
9748.125000	52.8	100.0	V	9.0	41.2	-11.6	21.2	74
13051.875000	51.1	100.0	H	77.0	34.9	-16.2	22.9	74
17998.125000	59.6	100.0	V	0.0	34.2	-25.4	14.4	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3870.000000	32.7	100.0	H	87.0	32.4	-0.3	21.3	54
5131.875000	35.7	100.0	H	150.0	32.1	-3.6	18.3	54
6931.875000	37.8	100.0	H	10.0	31.0	-6.8	16.2	54
9748.125000	49.0	100.0	V	9.0	37.4	-11.6	5.0	54
13051.875000	43.7	100.0	H	77.0	27.5	-16.2	10.3	54
17998.125000	52.0	100.0	V	0.0	26.6	-25.4	2.0	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

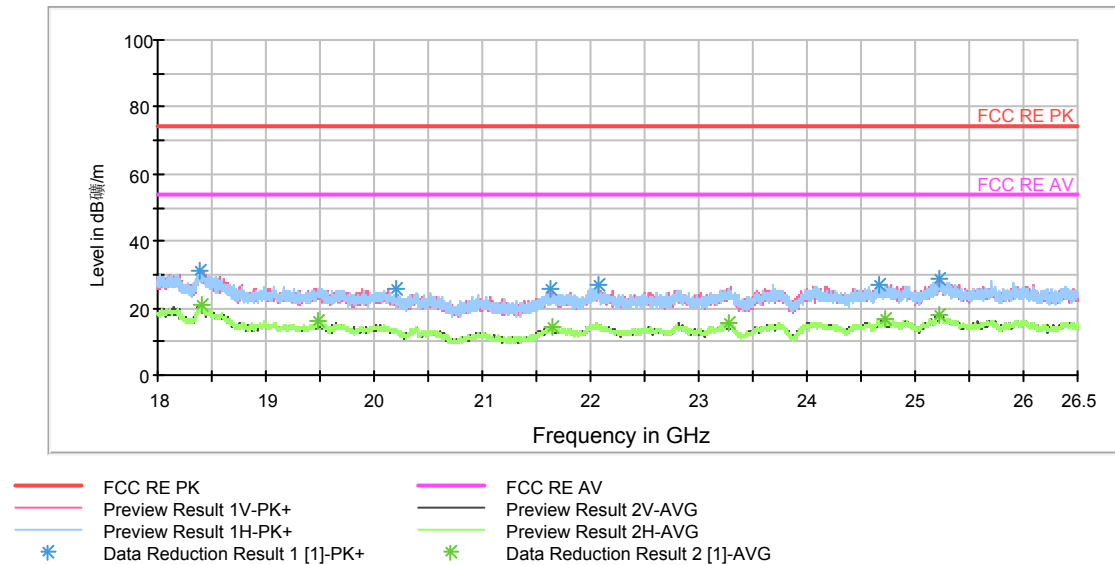
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RE 18-26.5GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18400.562500	29.1	V	0.0	24.2	-4.9	44.9	74
19489.625000	24.5	H	0.0	16.9	-7.6	49.5	74
21649.687500	22.9	V	0.0	13.7	-9.2	51.1	74
23282.750000	25.7	H	0.0	18.6	-7.1	48.3	74
24725.625000	26.1	H	0.0	19.9	-6.2	47.9	74
25223.937500	27.6	H	0.0	21.7	-5.9	46.4	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18400.562500	20.9	V	0.0	16.0	-4.9	33.1	54
19489.625000	16.2	H	0.0	8.6	-7.6	37.8	54
21649.687500	14.5	V	0.0	5.3	-9.2	39.5	54
23282.750000	15.8	H	0.0	8.7	-7.1	38.2	54
24725.625000	16.8	H	0.0	10.6	-6.2	37.2	54
25223.937500	18.2	H	0.0	12.3	-5.9	35.8	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

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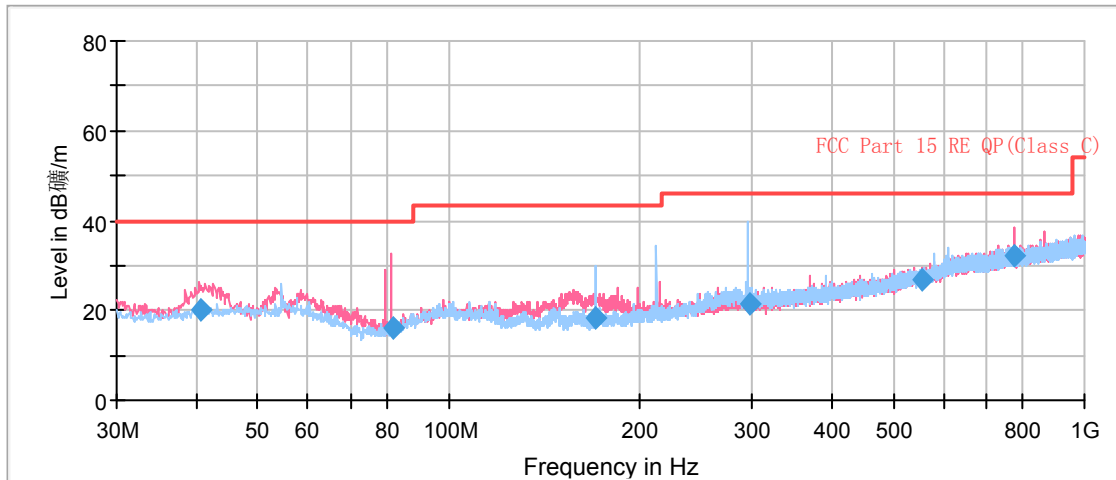
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802.11b CH11

FCC RE 0.03-1GHz QP Class C



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

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)
40.667500	20.2	100.0	V	236.0	7.0	-13.2	19.8	40.0
81.646250	16.2	112.0	V	126.0	7.1	-9.1	30.8	40.0
170.445000	18.5	112.0	H	130.0	8.2	-10.3	34.0	43.5
296.423750	21.6	100.0	H	118.0	6.2	-15.4	31.4	46.0
554.118750	26.8	111.0	V	309.0	5.6	-21.2	27.2	46.0
776.011250	32.3	125.0	V	115.0	8.3	-24.0	22.7	46.0

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

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

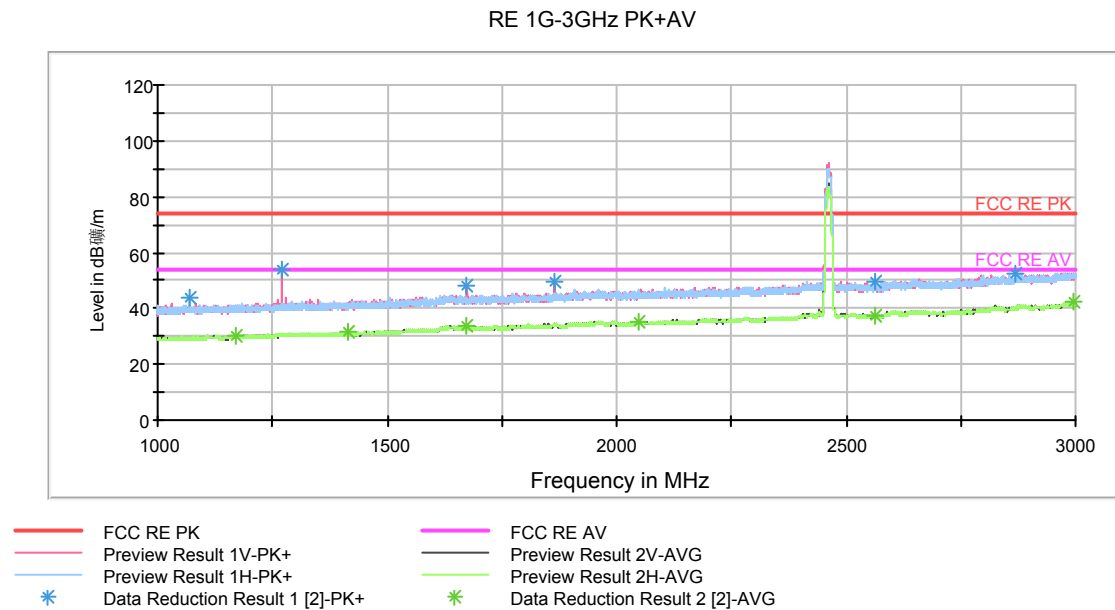
3. Margin = Limit – Quasi-Peak

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Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1169.750000	40.3	100.0	H	0.0	32.2	-8.1	33.7	74
1416.750000	41.7	100.0	V	234.0	34.7	-7.0	32.3	74
1670.750000	43.2	100.0	H	292.0	38.1	-5.1	30.8	74
2046.000000	45.7	100.0	H	114.0	42.5	-3.2	28.3	74
2563.250000	47.5	100.0	V	310.0	46.9	-0.6	26.5	74
2996.000000	51.0	100.0	V	133.0	48.7	-2.3	23.0	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1169.750000	30.4	100.0	H	0.0	22.3	-8.1	23.6	54
1416.750000	31.4	100.0	V	234.0	24.4	-7.0	22.6	54
1670.750000	33.5	100.0	H	292.0	28.4	-5.1	20.5	54
2046.000000	35.5	100.0	H	114.0	32.3	-3.2	18.5	54
2563.250000	37.7	100.0	V	310.0	37.1	-0.6	16.3	54
2996.000000	42.2	100.0	V	133.0	39.9	-2.3	11.8	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

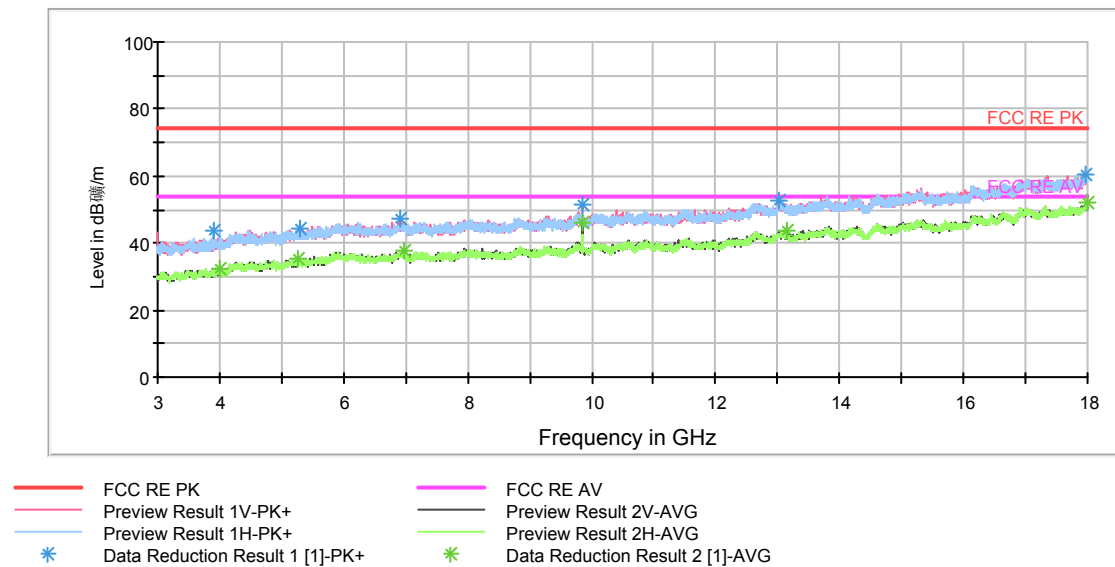
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RE 3-18GHz PK+AV(YIPU)



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dB μ V/m) in the test plot =(level in dBuV/m)

Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3999.375000	40.0	100.0	V	231.0	39.5	-0.5	34.0	74
5251.875000	43.1	100.0	H	78.0	39.4	-3.7	30.9	74
6965.625000	44.6	100.0	V	156.0	38.0	-6.6	29.4	74
9847.500000	51.6	100.0	V	9.0	39.8	-11.8	22.4	74
13140.000000	51.3	100.0	H	0.0	35.6	-15.7	22.7	74
17994.375000	59.5	100.0	V	98.0	34.2	-25.3	14.5	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3999.375000	32.6	100.0	V	231.0	32.1	-0.5	21.4	54
5251.875000	35.2	100.0	H	78.0	31.5	-3.7	18.8	54
6965.625000	37.6	100.0	V	156.0	31.0	-6.6	16.4	54
9847.500000	46.1	100.0	V	9.0	34.3	-11.8	7.9	54
13140.000000	43.5	100.0	H	0.0	27.8	-15.7	10.5	54
17994.375000	52.2	100.0	V	98.0	26.9	-25.3	1.8	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

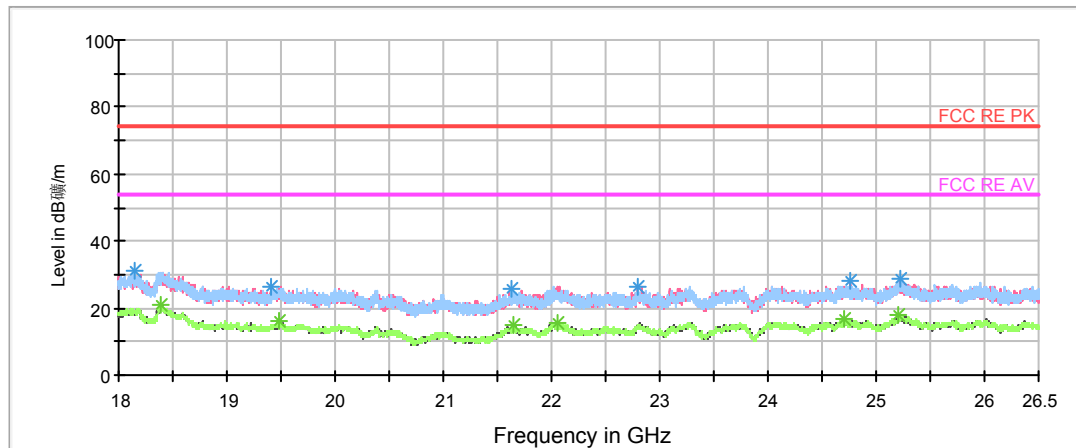
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RE 18-26.5GHz PK+AV



— FCC RE PK
 — Preview Result 1V-PK+
 — Preview Result 1H-PK+
 * Data Reduction Result 1 [1]-PK+

— FCC RE AV
 — Preview Result 2V-AVG
 — Preview Result 2H-AVG
 * Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18392.062500	28.6	V	0.0	23.7	-4.9	45.4	74
19485.375000	24.1	H	0.0	16.4	-7.7	49.9	74
21656.062500	23.4	H	0.0	14.2	-9.2	50.6	74
22050.250000	24.1	V	0.0	16.0	-8.1	49.9	74
24712.875000	25.5	V	0.0	19.0	-6.5	48.5	74
25211.187500	26.8	H	0.0	20.6	-6.2	47.2	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18392.062500	21.1	V	0.0	16.2	-4.9	32.9	54
19485.375000	16.3	H	0.0	8.6	-7.7	37.7	54
21656.062500	14.7	H	0.0	5.5	-9.2	39.3	54
22050.250000	15.8	V	0.0	7.7	-8.1	38.2	54
24712.875000	16.7	V	0.0	10.2	-6.5	37.3	54
25211.187500	17.8	H	0.0	11.6	-6.2	36.2	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

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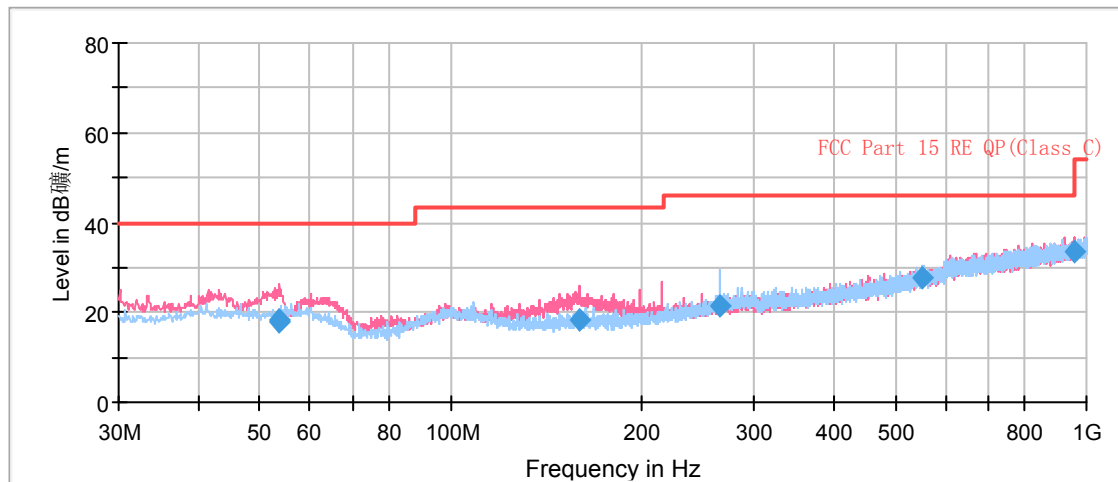
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802.11g CH1

FCC RE 0.03-1GHz QP Class C



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

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)
53.605000	18.2	100.0	V	252.0	5.4	12.8	21.8	40.0
53.647500	18.0	100.0	V	221.0	5.2	12.8	22.0	40.0
158.768750	18.5	100.0	V	231.0	8.9	9.6	25.0	43.5
265.588750	21.6	100.0	H	64.0	7.1	14.5	30.4	46.0
550.441250	27.6	125.0	H	89.0	6.6	21.0	27.4	46.0
956.590000	33.4	100.0	V	204.0	7.3	26.1	20.6	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

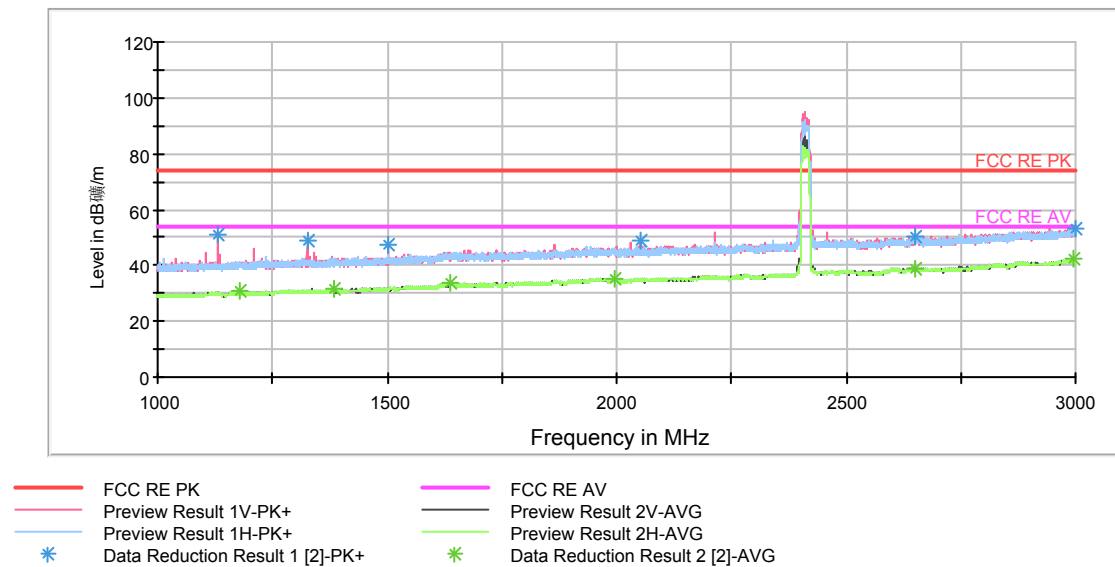
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RE 1G-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dB μ V/m) in the test plot =(level in dBuV/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1177.500000	39.2	100.0	H	185.0	31.2	-8.0	34.8	74
1384.250000	41.2	100.0	V	293.0	34.2	-7.0	32.8	74
1637.750000	42.9	100.0	V	232.0	38.2	-4.7	31.1	74
1997.000000	44.3	100.0	V	328.0	41.0	-3.3	29.7	74
2652.500000	48.8	100.0	H	0.0	48.4	-0.4	25.2	74
2997.500000	52.1	100.0	H	88.0	49.8	-2.3	21.9	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1177.500000	30.6	100.0	H	185.0	22.6	-8.0	23.4	54
1384.250000	31.5	100.0	V	293.0	24.5	-7.0	22.5	54
1637.750000	33.8	100.0	V	232.0	29.1	-4.7	20.2	54
1997.000000	35.4	100.0	V	328.0	32.1	-3.3	18.6	54
2652.500000	38.9	100.0	H	0.0	38.5	-0.4	15.1	54
2997.500000	42.0	100.0	H	88.0	39.7	-2.3	12.0	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

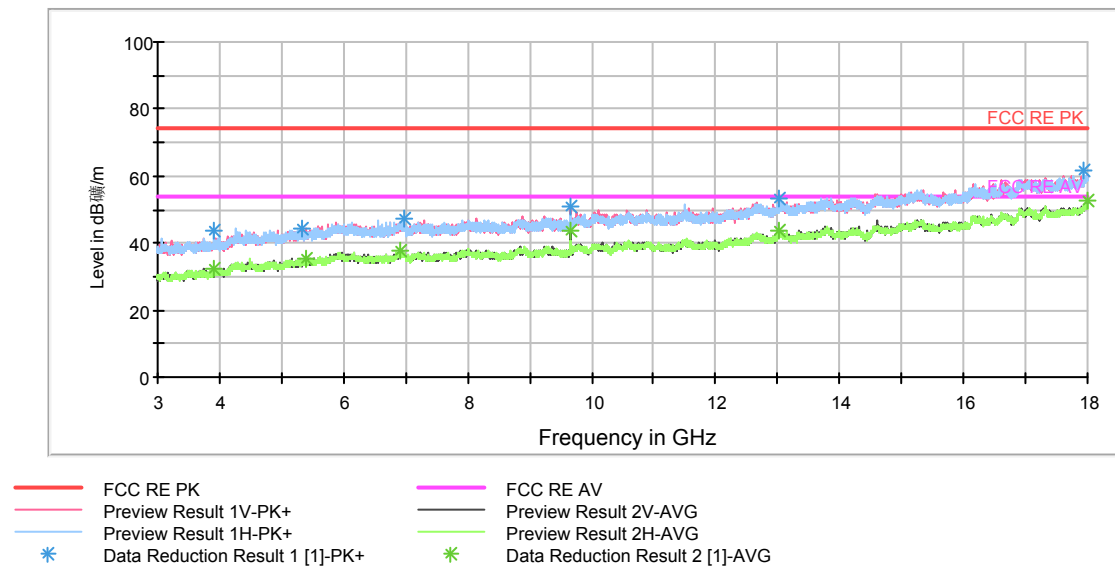
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RE 3-18GHz PK+AV(YIPU)



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dB μ V/m) in the test plot =(level in dBuV/m)

Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3911.250000	39.4	100.0	H	2.0	39.3	-0.1	34.6	74
5401.875000	42.4	100.0	H	322.0	38.7	-3.7	31.6	74
6924.375000	44.5	100.0	V	270.0	37.7	-6.8	29.5	74
9648.750000	50.6	100.0	V	9.0	40.1	-10.5	23.4	74
13033.125000	50.6	100.0	V	0.0	34.4	-16.2	23.4	74
18000.000000	58.6	100.0	V	55.0	33.2	-25.4	15.4	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3911.250000	32.4	100.0	H	2.0	32.3	-0.1	21.6	54
5401.875000	35.4	100.0	H	322.0	31.7	-3.7	18.6	54
6924.375000	37.9	100.0	V	270.0	31.1	-6.8	16.1	54
9648.750000	43.4	100.0	V	9.0	32.9	-10.5	10.6	54
13033.125000	43.8	100.0	V	0.0	27.6	-16.2	10.2	54
18000.000000	52.7	100.0	V	55.0	27.3	-25.4	1.3	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

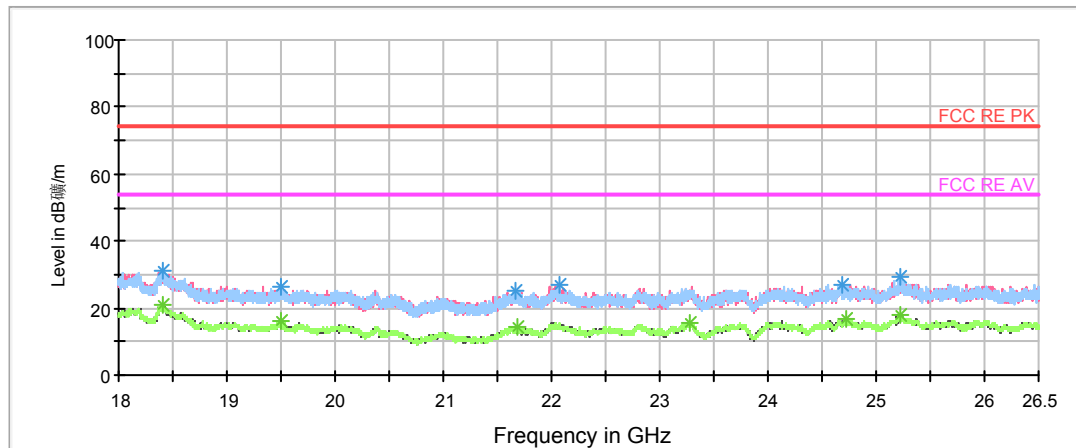
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RE 18-26.5GHz PK+AV



— FCC RE PK
 — Preview Result 1V-PK+
 — Preview Result 1H-PK+
 * Data Reduction Result 1 [1]-PK+
 — FCC RE AV
 — Preview Result 2V-AVG
 — Preview Result 2H-AVG
 * Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18400.562500	29.4	H	0.0	24.5	-4.9	44.6	74
19497.062500	23.7	H	0.0	16.2	-7.5	50.3	74
21677.312500	21.9	V	0.0	12.5	-9.4	52.1	74
23276.375000	24.1	V	0.0	16.9	-7.2	49.9	74
24719.250000	26.0	V	0.0	19.7	-6.3	48.0	74
25222.875000	27.8	V	0.0	21.9	-5.9	46.2	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18400.562500	20.7	H	0.0	15.8	-4.9	33.3	54
19497.062500	16.3	H	0.0	8.8	-7.5	37.7	54
21677.312500	14.4	V	0.0	5.0	-9.4	39.6	54
23276.375000	15.7	V	0.0	8.5	-7.2	38.3	54
24719.250000	16.5	V	0.0	10.2	-6.3	37.5	54
25222.875000	18.2	V	0.0	12.3	-5.9	35.8	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

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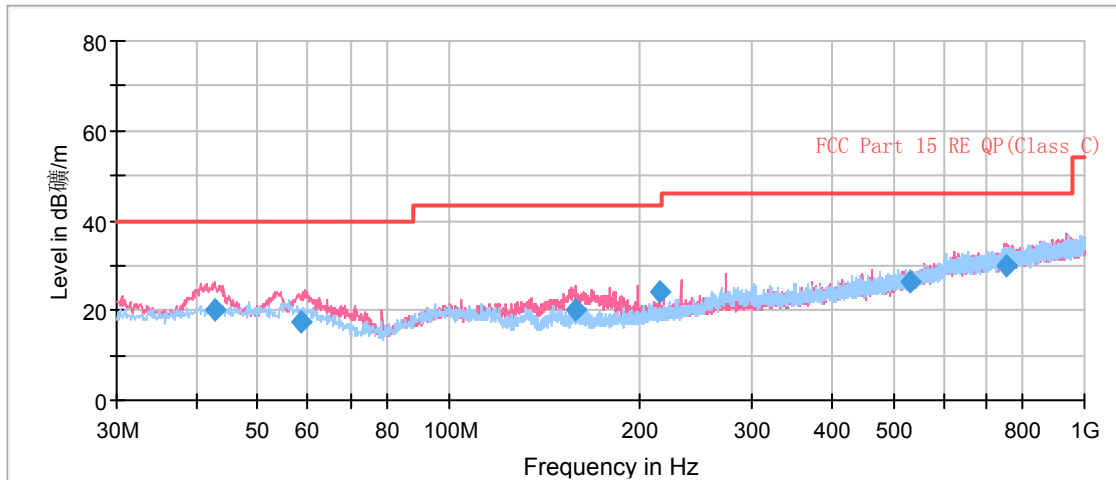
Test Report

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802.11g CH06

FCC RE 0.03-1GHz QP Class C



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

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)
42.971250	20.2	100.0	V	6.0	7.1	13.1	19.8	40.0
58.621250	17.5	100.0	V	149.0	4.9	12.6	22.5	40.0
158.318750	19.9	100.0	V	256.0	10.3	9.6	23.6	43.5
214.502500	24.4	100.0	V	152.0	11.8	12.6	19.2	43.5
532.948750	26.2	100.0	H	165.0	5.5	20.7	27.8	46.0
753.492500	30.0	125.0	V	63.0	6.3	23.7	23.0	46.0

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

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

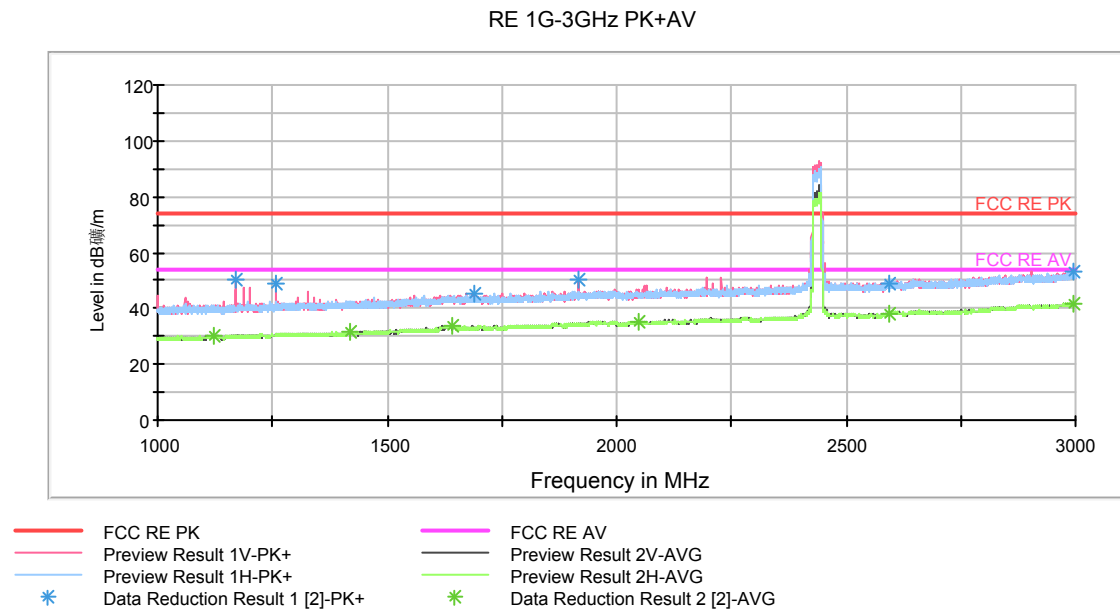
3. Margin = Limit – Quasi-Peak

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Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1123.000000	40.6	100.0	V	0.0	32.1	-8.5	33.4	74
1420.250000	41.2	100.0	H	0.0	34.3	-6.9	32.8	74
1639.750000	43.1	100.0	V	109.0	38.4	-4.7	30.9	74
2049.500000	44.8	100.0	H	158.0	41.6	-3.2	29.2	74
2594.250000	47.4	100.0	H	69.0	47.2	-0.2	26.6	74
2995.750000	51.6	100.0	H	205.0	49.3	-2.3	22.4	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1123.000000	30.4	100.0	V	0.0	21.9	-8.5	23.6	54
1420.250000	31.6	100.0	H	0.0	24.7	-6.9	22.4	54
1639.750000	33.6	100.0	V	109.0	28.9	-4.7	20.4	54
2049.500000	35.6	100.0	H	158.0	32.4	-3.2	18.4	54
2594.250000	37.8	100.0	H	69.0	37.6	-0.2	16.2	54
2995.750000	41.9	100.0	H	205.0	39.6	-2.3	12.1	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

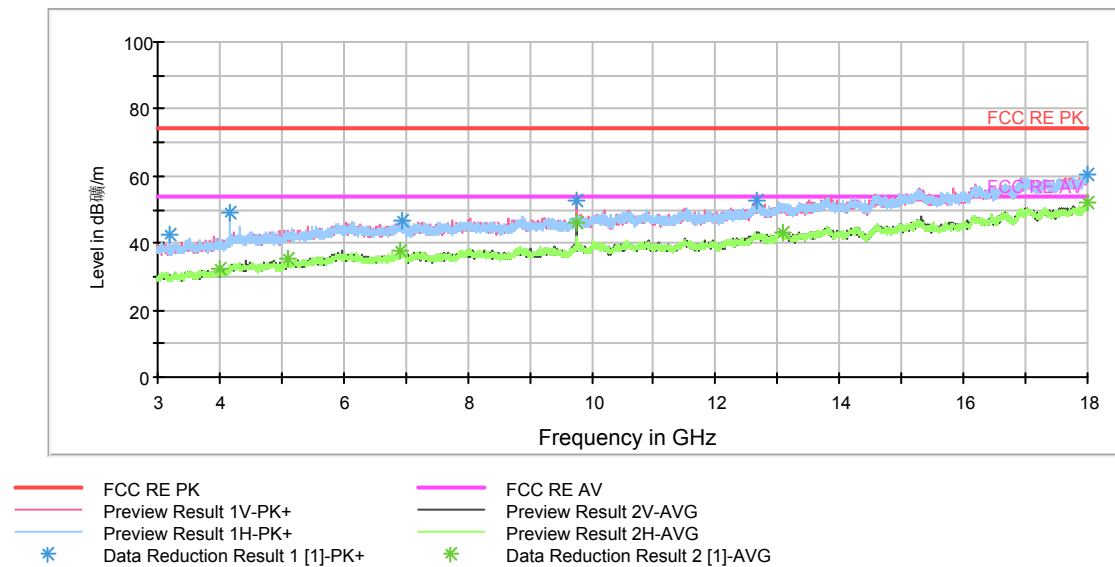
TA Technology (Shanghai) Co., Ltd.

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RE 3-18GHz PK+AV(YIPU)



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4016.250000	39.1	100.0	V	81.0	38.6	-0.5	34.9	74
5103.750000	41.7	100.0	V	290.0	38.1	-3.6	32.3	74
6922.500000	44.6	100.0	V	298.0	37.8	-6.8	29.4	74
9748.125000	52.5	100.0	V	19.0	40.9	-11.6	21.5	74
13070.625000	50.2	100.0	V	345.0	34.0	-16.2	23.8	74
17996.250000	59.5	100.0	H	0.0	34.1	-25.4	14.5	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4016.250000	32.2	100.0	V	81.0	31.7	-0.5	21.8	54
5103.750000	35.3	100.0	V	290.0	31.7	-3.6	18.7	54
6922.500000	37.8	100.0	V	298.0	31.0	-6.8	16.2	54
9748.125000	46.2	100.0	V	19.0	34.6	-11.6	7.8	54
13070.625000	43.2	100.0	V	345.0	27.0	-16.2	10.8	54
17996.250000	52.0	100.0	H	0.0	26.6	-25.4	2.0	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

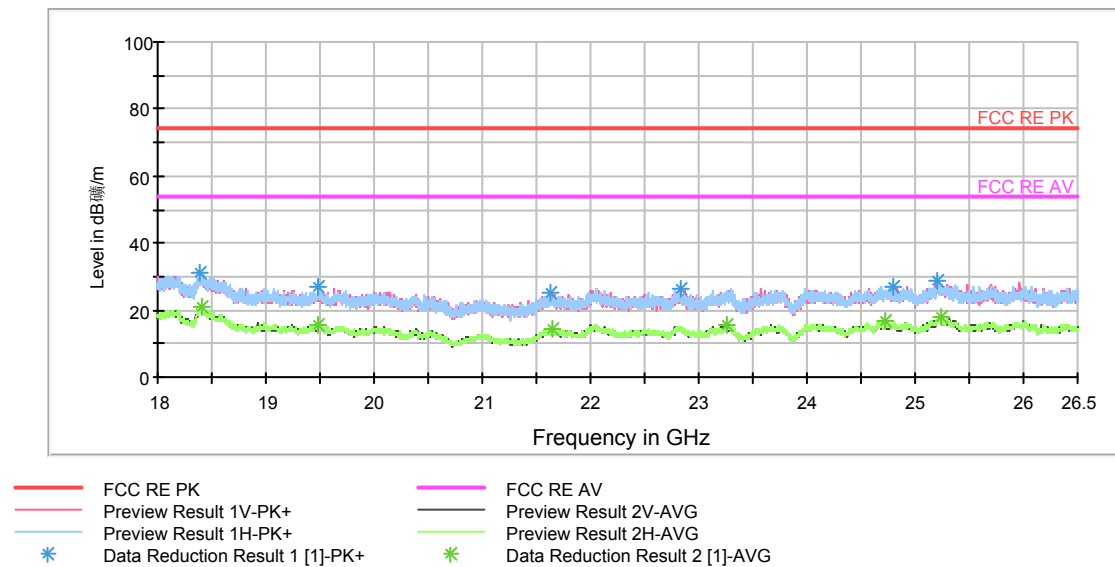
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RE 18-26.5GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18403.750000	29.3	V	0.0	24.4	-4.9	44.7	74
19483.250000	23.6	H	0.0	15.9	-7.7	50.4	74
21646.500000	22.5	H	0.0	13.3	-9.2	51.5	74
23259.375000	24.0	V	0.0	16.6	-7.4	50.0	74
24729.875000	23.7	V	0.0	17.5	-6.2	50.3	74
25237.750000	26.6	V	0.0	20.5	-6.1	47.4	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18403.750000	21.1	V	0.0	16.2	-4.9	32.9	54
19483.250000	15.8	H	0.0	8.1	-7.7	38.2	54
21646.500000	14.3	H	0.0	5.1	-9.2	39.7	54
23259.375000	15.6	V	0.0	8.2	-7.4	38.4	54
24729.875000	16.6	V	0.0	10.4	-6.2	37.4	54
25237.750000	18.1	V	0.0	12.0	-6.1	35.9	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

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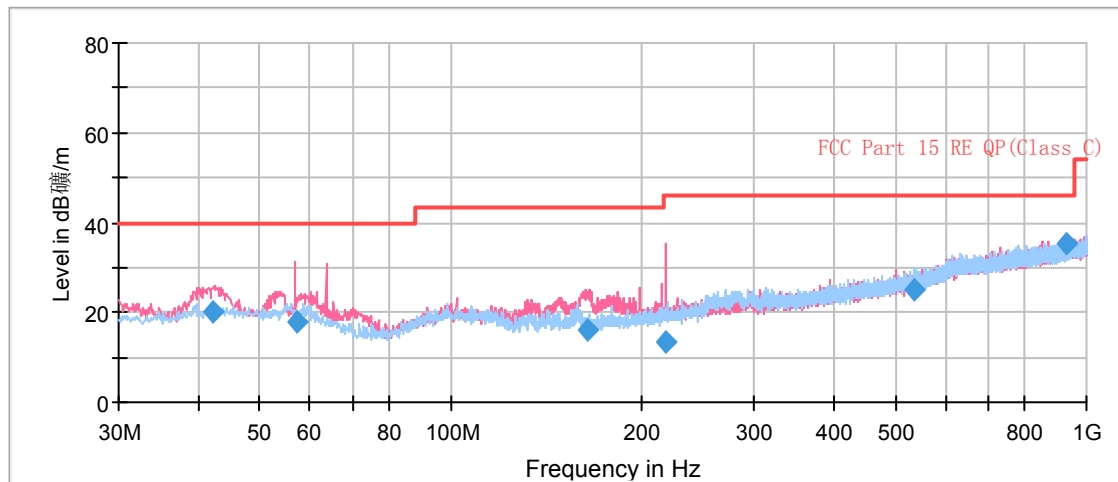
Test Report

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802.11g CH11

FCC RE 0.03-1GHz QP Class C



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

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)
42.127500	20.2	100.0	V	276.0	7.0	13.2	19.8	40.0
57.396250	17.9	125.0	V	205.0	5.3	12.6	22.1	40.0
163.732500	16.1	100.0	V	22.0	6.2	9.9	27.4	43.5
217.770000	13.6	100.0	V	226.0	0.8	12.8	32.4	46.0
534.843750	25.2	100.0	H	0.0	4.5	20.7	27.8	46.0
929.962500	35.2	125.0	V	356.0	9.3	25.9	20.8	46.0

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

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

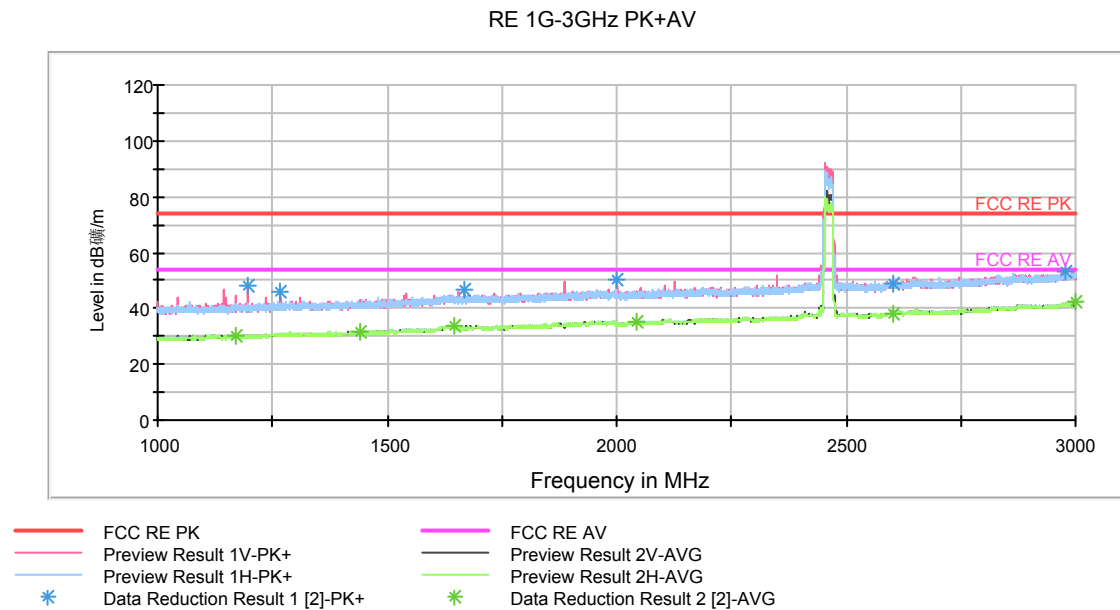
3. Margin = Limit – Quasi-Peak

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Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1195.000000	48.4	100.0	V	316.0	40.2	-8.2	25.6	74
1268.500000	46.2	100.0	V	0.0	38.5	-7.7	27.8	74
1669.750000	46.4	100.0	V	208.0	41.3	-5.1	27.6	74
2002.000000	50.3	100.0	V	155.0	46.9	-3.4	23.7	74
2604.250000	48.6	100.0	V	290.0	48.3	-0.3	25.4	74
2977.000000	53.3	100.0	V	225.0	51.1	-2.2	20.7	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1195.000000	29.6	100.0	V	316.0	21.4	-8.2	24.4	54
1268.500000	30.4	100.0	V	0.0	22.7	-7.7	23.6	54
1669.750000	32.9	100.0	V	208.0	27.8	-5.1	21.1	54
2002.000000	34.5	100.0	V	155.0	31.1	-3.4	19.5	54
2604.250000	38.5	100.0	V	290.0	38.2	-0.3	15.5	54
2977.000000	41.3	100.0	V	225.0	39.1	-2.2	12.7	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

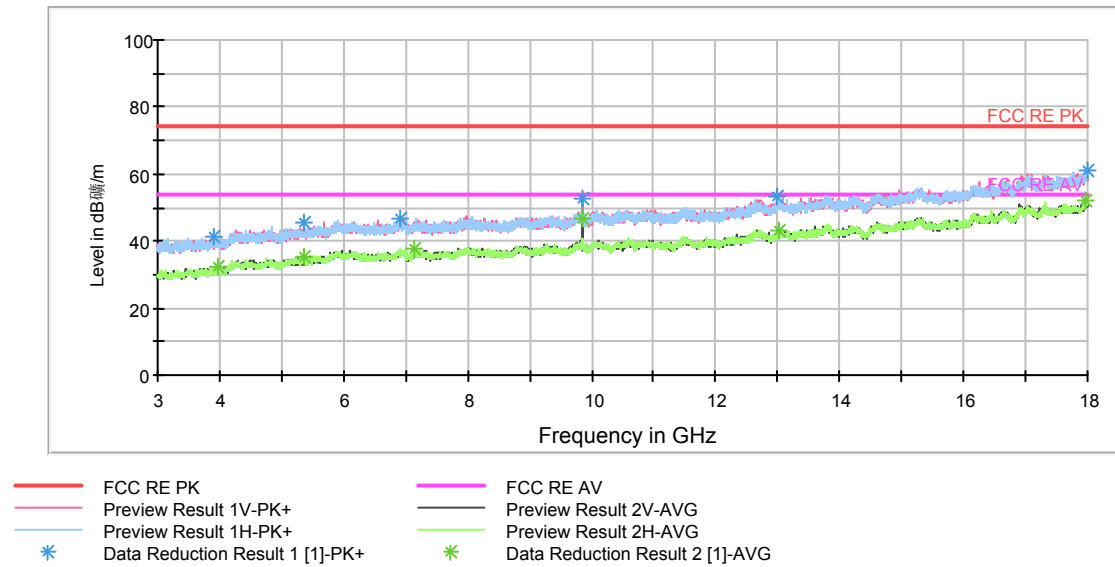
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RE 3-18GHz PK+AV(YIPU)



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dB μ V/m) in the test plot =(level in dBuV/m)

Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3982.500000	40.8	100.0	H	49.0	40.4	-0.4	33.2	74
5358.750000	41.6	100.0	V	199.0	37.9	-3.7	32.4	74
7132.500000	43.7	100.0	H	206.0	35.4	-8.3	30.3	74
9847.500000	52.8	100.0	V	9.0	41.0	-11.8	21.2	74
13027.500000	52.5	100.0	H	172.0	36.3	-16.2	21.5	74
17983.125000	59.8	100.0	V	144.0	34.6	-25.2	14.2	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3982.500000	32.2	100.0	H	49.0	31.8	-0.4	21.8	54
5358.750000	35.6	100.0	V	199.0	31.9	-3.7	18.4	54
7132.500000	37.7	100.0	H	206.0	29.4	-8.3	16.3	54
9847.500000	46.7	100.0	V	9.0	34.9	-11.8	7.3	54
13027.500000	43.2	100.0	H	172.0	27.0	-16.2	10.8	54
17983.125000	52.0	100.0	V	144.0	26.8	-25.2	2.0	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

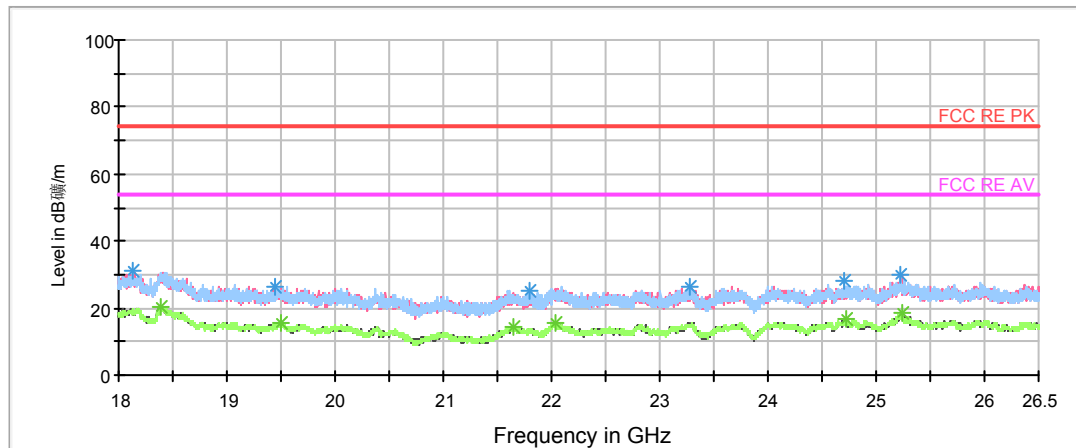
TA Technology (Shanghai) Co., Ltd.

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RE 18-26.5GHz PK+AV



— FCC RE PK
 — Preview Result 1V-PK+
 — Preview Result 1H-PK+
 * Data Reduction Result 1 [1]-PK+
 — FCC RE AV
 — Preview Result 2V-AVG
 — Preview Result 2H-AVG
 * Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18394.187500	29.9	V	0.0	25.0	-4.9	44.1	74
19505.562500	25.5	V	0.0	18.0	-7.5	48.5	74
21645.437500	22.8	V	0.0	13.7	-9.1	51.2	74
22035.375000	25.2	V	0.0	17.2	-8.0	48.8	74
24722.437500	25.1	H	0.0	18.9	-6.2	48.9	74
25234.562500	28.0	V	0.0	22.0	-6.0	46.0	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18394.187500	20.6	V	0.0	15.7	-4.9	33.4	54
19505.562500	15.8	V	0.0	8.3	-7.5	38.2	54
21645.437500	14.6	V	0.0	5.5	-9.1	39.4	54
22035.375000	15.8	V	0.0	7.8	-8.0	38.2	54
24722.437500	16.5	H	0.0	10.3	-6.2	37.5	54
25234.562500	18.3	V	0.0	12.3	-6.0	35.7	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

TA Technology (Shanghai) Co., Ltd.

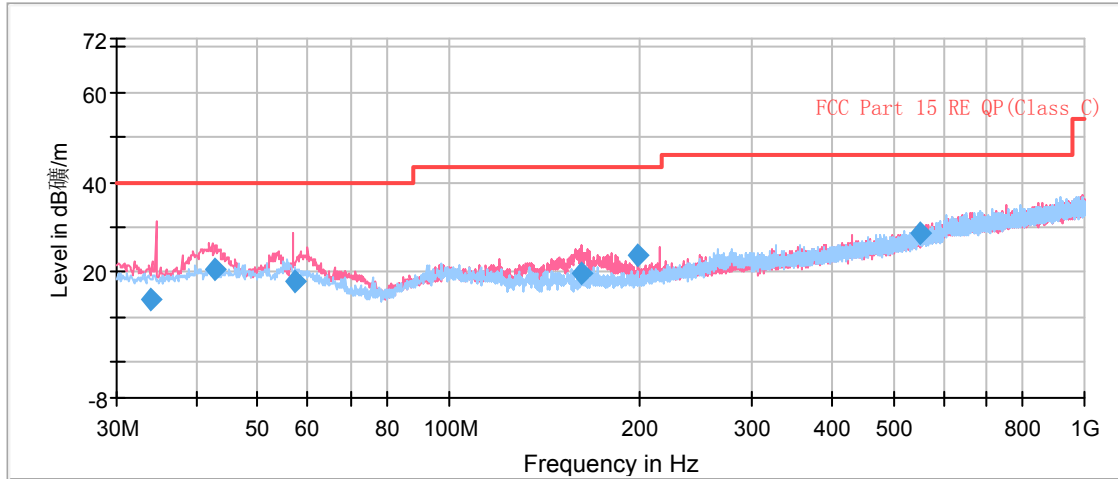
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802.11n2.4G (HT20) CH1

FCC RE 0.03-1GHz QP Class C



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

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)
34.047500	14.0	111.0	V	185.0	2.1	11.9	26.0	40.0
42.887500	20.6	100.0	V	47.0	7.5	13.1	19.4	40.0
57.356250	18.0	125.0	V	189.0	5.4	12.6	22.0	40.0
161.600000	19.7	125.0	V	224.0	9.9	9.8	23.8	43.5
198.011250	23.6	100.0	V	118.0	11.7	11.9	19.9	43.5
552.751250	28.8	100.0	V	136.0	7.7	21.1	27.2	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

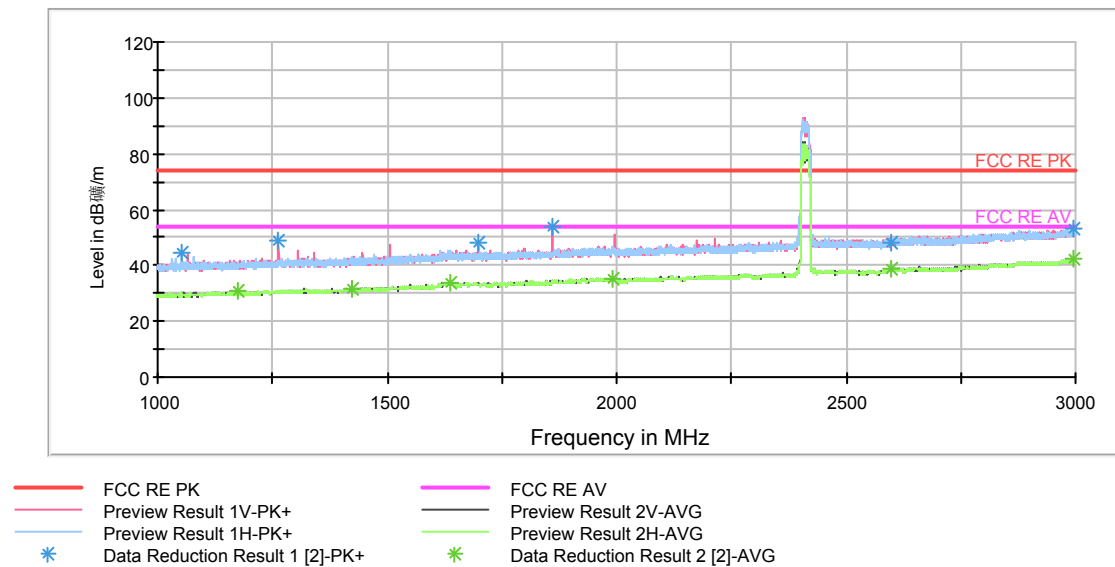
TA Technology (Shanghai) Co., Ltd.

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RE 1G-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1050.750000	44.9	100.0	H	33.0	35.9	-9.0	29.1	74
1264.000000	48.8	100.0	V	196.0	41.1	-7.7	25.2	74
1699.000000	48.1	100.0	V	0.0	43.1	-5.0	25.9	74
1860.500000	54.0	100.0	V	320.0	50.2	-3.8	20.0	74
2599.000000	48.1	100.0	V	308.0	47.7	-0.4	25.9	74
2997.750000	53.2	100.0	V	166.0	50.9	-2.3	20.8	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1050.750000	29.6	100.0	H	33.0	20.6	-9.0	24.4	54
1264.000000	30.5	100.0	V	196.0	22.8	-7.7	23.5	54
1699.000000	33.2	100.0	V	0.0	28.2	-5.0	20.8	54
1860.500000	34.3	100.0	V	320.0	30.5	-3.8	19.7	54
2599.000000	38.7	100.0	V	308.0	38.3	-0.4	15.3	54
2997.750000	41.4	100.0	V	166.0	39.1	-2.3	12.6	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

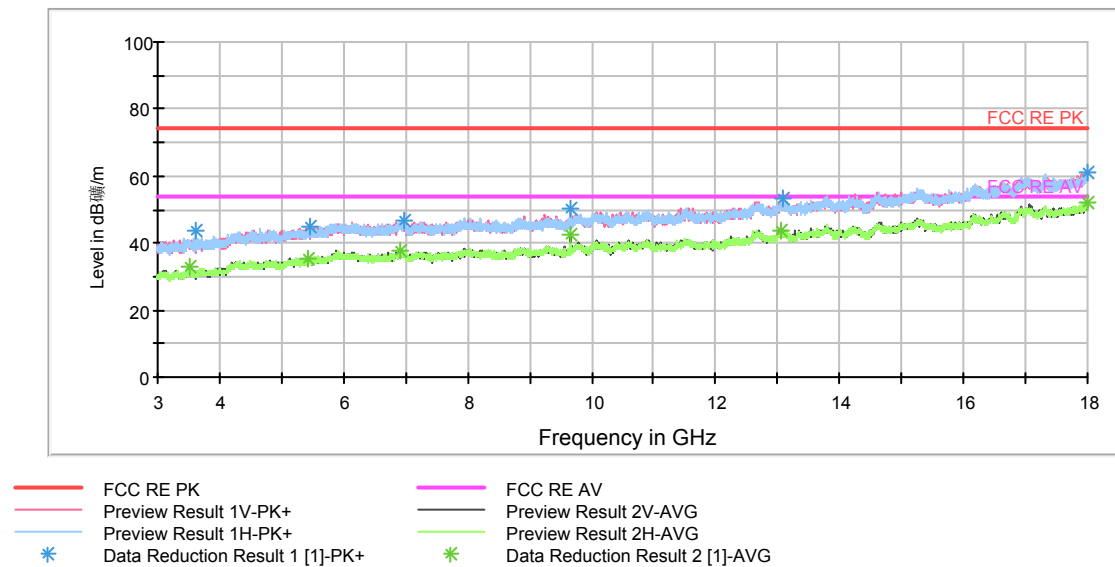
TA Technology (Shanghai) Co., Ltd.

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RE 3-18GHz PK+AV(YIPU)



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dB μ V/m) in the test plot =(level in dBuV/m)

Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3502.500000	40.1	100.0	V	240.0	39.6	-0.5	33.9	74
5435.625000	42.9	100.0	V	199.0	39.1	-3.8	31.1	74
6924.375000	44.6	100.0	H	103.0	37.8	-6.8	29.4	74
9648.750000	49.9	100.0	V	8.0	39.4	-10.5	24.1	74
13051.875000	51.8	100.0	H	313.0	35.6	-16.2	22.2	74
17986.875000	60.0	100.0	H	80.0	34.8	-25.2	14.0	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3502.500000	32.8	100.0	V	240.0	32.3	-0.5	21.2	54
5435.625000	35.5	100.0	V	199.0	31.7	-3.8	18.5	54
6924.375000	37.8	100.0	H	103.0	31.0	-6.8	16.2	54
9648.750000	42.4	100.0	V	8.0	31.9	-10.5	11.6	54
13051.875000	43.8	100.0	H	313.0	27.6	-16.2	10.2	54
17986.875000	52.1	100.0	H	80.0	26.9	-25.2	1.9	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

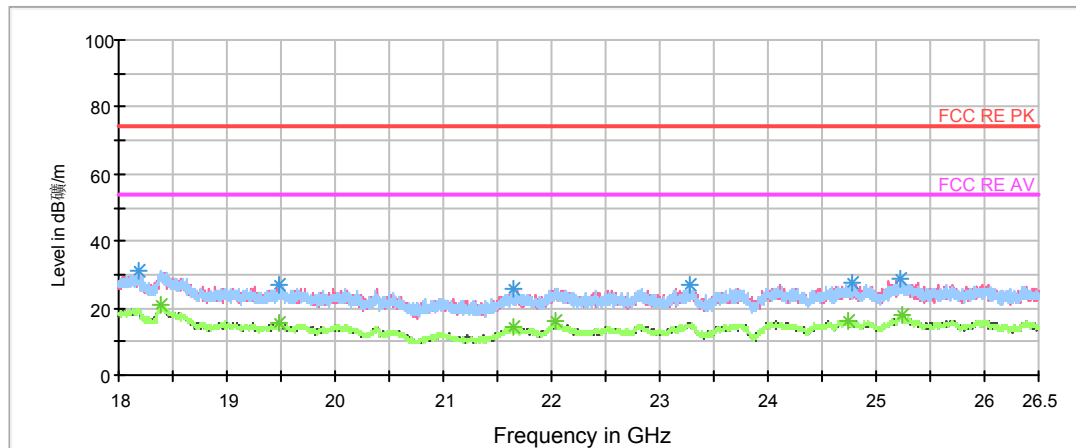
TA Technology (Shanghai) Co., Ltd.

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RE 18-26.5GHz PK+AV



— FCC RE PK
 — Preview Result 1V-PK+
 — Preview Result 1H-PK+
 * Data Reduction Result 1 [1]-PK+

— FCC RE AV
 — Preview Result 2V-AVG
 — Preview Result 2H-AVG
 * Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18389.937500	29.5	V	0.0	24.6	-4.9	44.5	74
19483.250000	26.0	H	0.0	18.3	-7.7	48.0	74
21639.062500	22.2	V	0.0	13.1	-9.1	51.8	74
22031.125000	26.0	V	0.0	18.0	-8.0	48.0	74
24734.125000	25.5	H	0.0	19.2	-6.3	48.5	74
25243.062500	26.7	H	0.0	20.3	-6.4	47.3	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18389.937500	21.1	V	0.0	16.2	-4.9	32.9	54
19483.250000	15.7	H	0.0	8.0	-7.7	38.3	54
21639.062500	14.5	V	0.0	5.4	-9.1	39.5	54
22031.125000	16.0	V	0.0	8.0	-8.0	38.0	54
24734.125000	16.4	H	0.0	10.1	-6.3	37.6	54
25243.062500	18.0	H	0.0	11.6	-6.4	36.0	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

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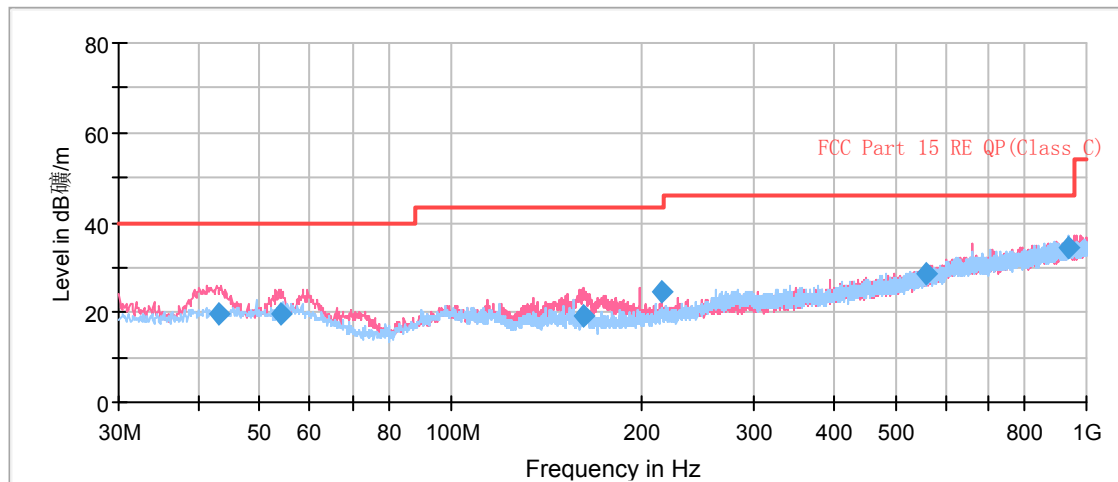
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802.11n2.4G (HT20) CH6

FCC RE 0.03-1GHz QP Class C



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

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)
43.020000	19.6	100.0	V	348.0	6.5	-13.1	20.4	40.0
53.847500	19.7	100.0	V	146.0	6.9	-12.8	20.3	40.0
162.002500	19.4	100.0	V	30.0	9.6	-9.8	24.1	43.5
214.502500	24.7	100.0	V	35.0	12.1	-12.6	18.8	43.5
557.515000	28.8	111.0	H	100.0	7.6	-21.2	27.2	46.0
938.763750	34.2	125.0	H	345.0	8.3	-25.9	20.8	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

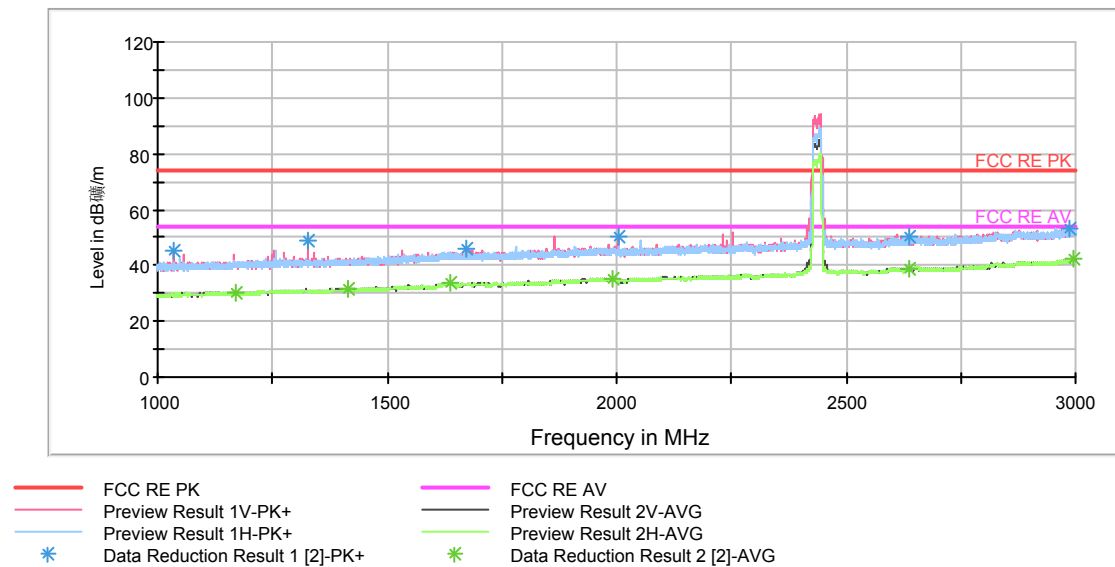
TA Technology (Shanghai) Co., Ltd.

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RE 1G-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1169.000000	39.9	100.0	H	73.0	31.8	-8.1	34.1	74
1415.000000	41.7	100.0	H	301.0	34.7	-7.0	32.3	74
1638.500000	44.6	100.0	H	203.0	39.9	-4.7	29.4	74
1991.500000	45.5	100.0	V	240.0	42.2	-3.3	28.5	74
2639.500000	49.7	100.0	V	346.0	49.5	-0.2	24.3	74
2994.250000	51.8	100.0	H	32.0	49.5	-2.3	22.2	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1169.000000	30.4	100.0	H	73.0	22.3	-8.1	23.6	54
1415.000000	31.8	100.0	H	301.0	24.8	-7.0	22.2	54
1638.500000	33.7	100.0	H	203.0	29.0	-4.7	20.3	54
1991.500000	35.5	100.0	V	240.0	32.2	-3.3	18.5	54
2639.500000	38.6	100.0	V	346.0	38.4	-0.2	15.4	54
2994.250000	42.3	100.0	H	32.0	40.0	-2.3	11.7	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

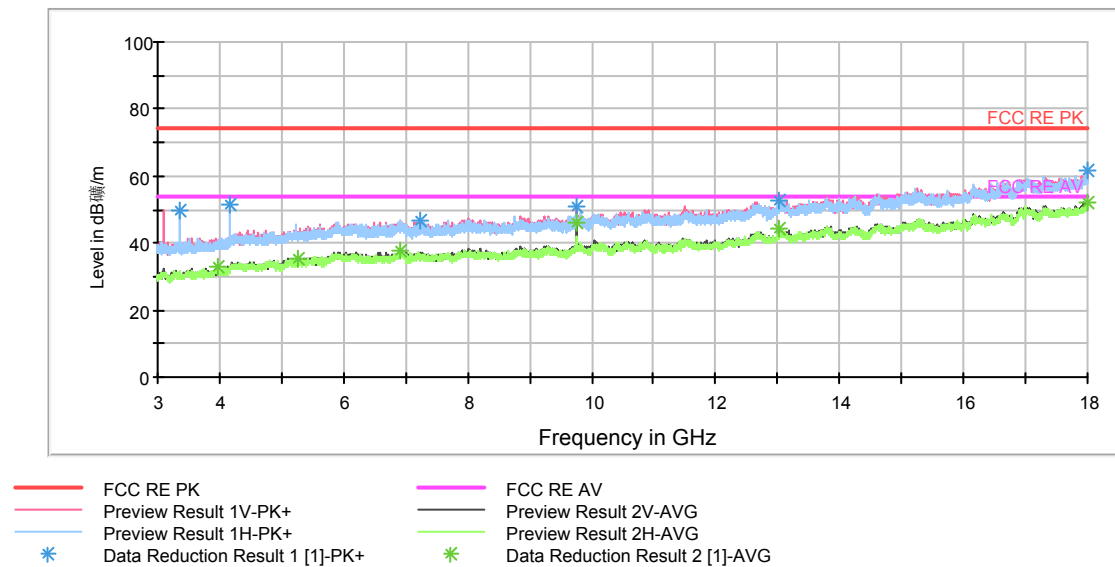
TA Technology (Shanghai) Co., Ltd.

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RE 3-18GHz PK+AV(YIPU)



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3984.375000	40.1	100.0	H	0.0	39.7	-0.4	33.9	74
5265.000000	42.3	100.0	V	19.0	38.6	-3.7	31.7	74
6896.250000	44.9	100.0	V	148.0	37.9	-7.0	29.1	74
9748.125000	50.8	100.0	V	0.0	39.2	-11.6	23.2	74
13021.875000	51.2	100.0	V	132.0	35.0	-16.2	22.8	74
17996.250000	60.1	100.0	V	299.0	34.7	-25.4	13.9	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3984.375000	32.9	100.0	H	0.0	32.5	-0.4	21.1	54
5265.000000	35.4	100.0	V	19.0	31.7	-3.7	18.6	54
6896.250000	37.6	100.0	V	148.0	30.6	-7.0	16.4	54
9748.125000	46.4	100.0	V	0.0	34.8	-11.6	7.6	54
13021.875000	44.2	100.0	V	132.0	28.0	-16.2	9.8	54
17996.250000	52.3	100.0	V	299.0	26.9	-25.4	1.7	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

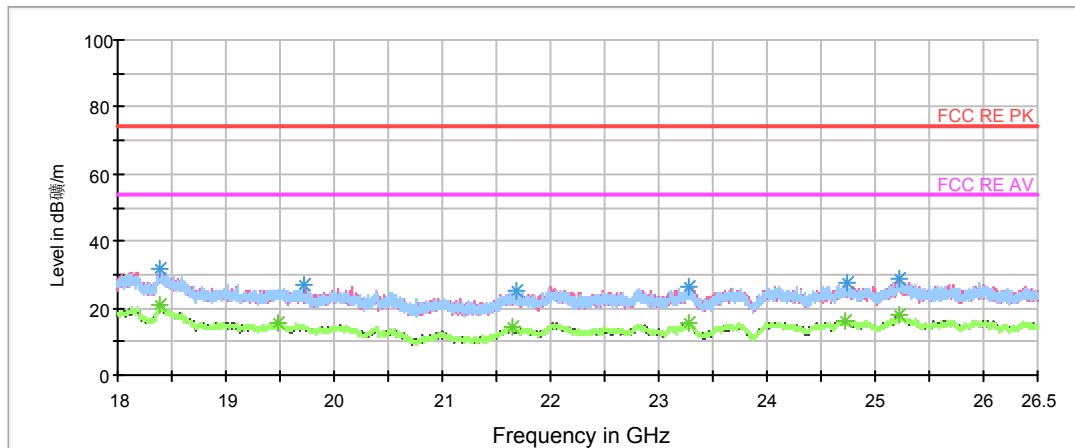
TA Technology (Shanghai) Co., Ltd.

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RE 18-26.5GHz PK+AV



— FCC RE PK
 — Preview Result 1V-PK+
 — Preview Result 1H-PK+
 * Data Reduction Result 1 [1]-PK+
 — FCC RE AV
 — Preview Result 2V-AVG
 — Preview Result 2H-AVG
 * Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18381.437500	29.0	H	0.0	24.2	-4.8	45.0	74
19486.437500	24.9	V	0.0	17.2	-7.7	49.1	74
21639.062500	23.9	V	0.0	14.8	-9.1	50.1	74
23268.937500	24.7	V	0.0	17.4	-7.3	49.3	74
24726.687500	24.5	H	0.0	18.3	-6.2	49.5	74
25227.125000	26.3	V	0.0	20.4	-5.9	47.7	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18381.437500	21.0	H	0.0	16.2	-4.8	33.0	54
19486.437500	15.7	V	0.0	8.0	-7.7	38.3	54
21639.062500	14.3	V	0.0	5.2	-9.1	39.7	54
23268.937500	15.8	V	0.0	8.5	-7.3	38.2	54
24726.687500	16.4	H	0.0	10.2	-6.2	37.6	54
25227.125000	17.9	V	0.0	12.0	-5.9	36.1	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

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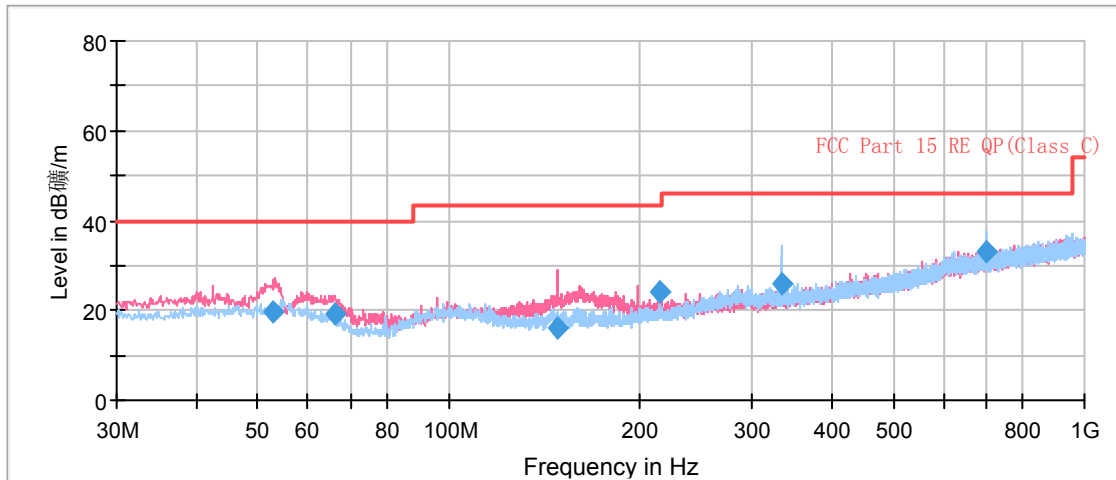
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802.11n2.4G (HT20) CH11

FCC RE 0.03-1GHz QP Class C



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

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)
53.041250	19.9	100.0	V	76.0	7.1	12.8	20.1	40.0
66.005000	19.4	100.0	V	87.0	9.3	10.1	20.6	40.0
148.500000	16.2	118.0	V	172.0	7.1	9.1	27.3	43.5
214.502500	24.3	100.0	V	336.0	11.7	12.6	19.2	43.5
333.283750	25.8	100.0	H	86.0	9.5	16.3	31.2	46.0
701.275000	33.1	100.0	H	194.0	10.2	22.9	23.9	46.0

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

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

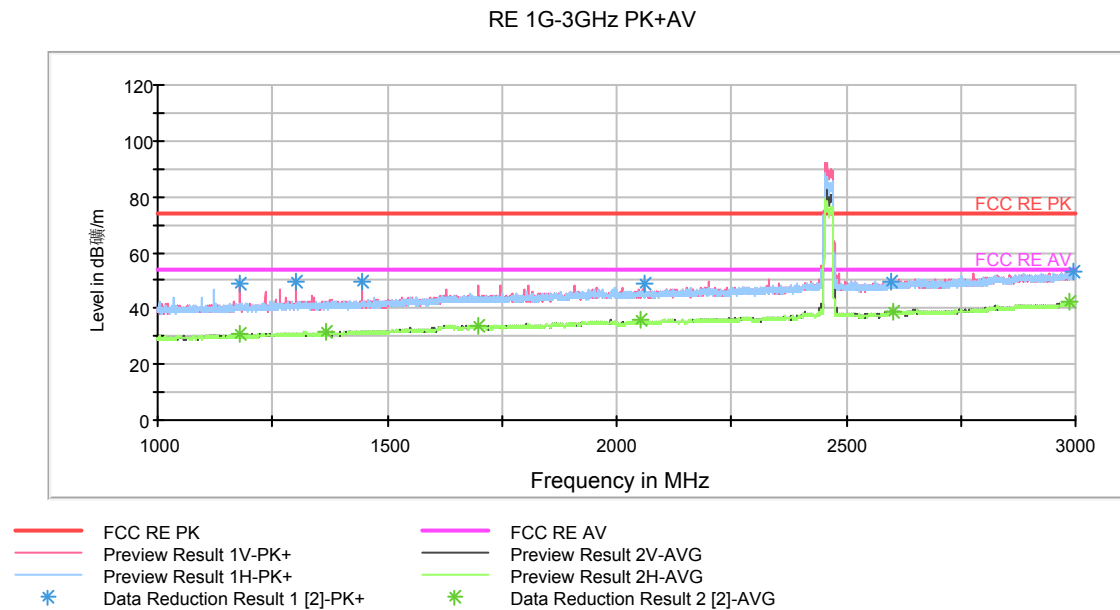
3. Margin = Limit – Quasi-Peak

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Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1180.000000	39.8	100.0	H	32.0	31.8	-8.0	34.2	74
1365.250000	40.4	100.0	H	126.0	33.1	-7.3	33.6	74
1699.000000	43.1	100.0	H	109.0	38.1	-5.0	30.9	74
2051.750000	44.9	100.0	H	67.0	41.7	-3.2	29.1	74
2601.250000	48.3	100.0	V	103.0	47.9	-0.4	25.7	74
2988.250000	51.0	100.0	H	355.0	48.8	-2.2	23.0	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1180.000000	30.6	100.0	H	32.0	22.6	-8.0	23.4	54
1365.250000	31.6	100.0	H	126.0	24.3	-7.3	22.4	54
1699.000000	33.8	100.0	H	109.0	28.8	-5.0	20.2	54
2051.750000	35.6	100.0	H	67.0	32.4	-3.2	18.4	54
2601.250000	38.9	100.0	V	103.0	38.5	-0.4	15.1	54
2988.250000	42.2	100.0	H	355.0	40.0	-2.2	11.8	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

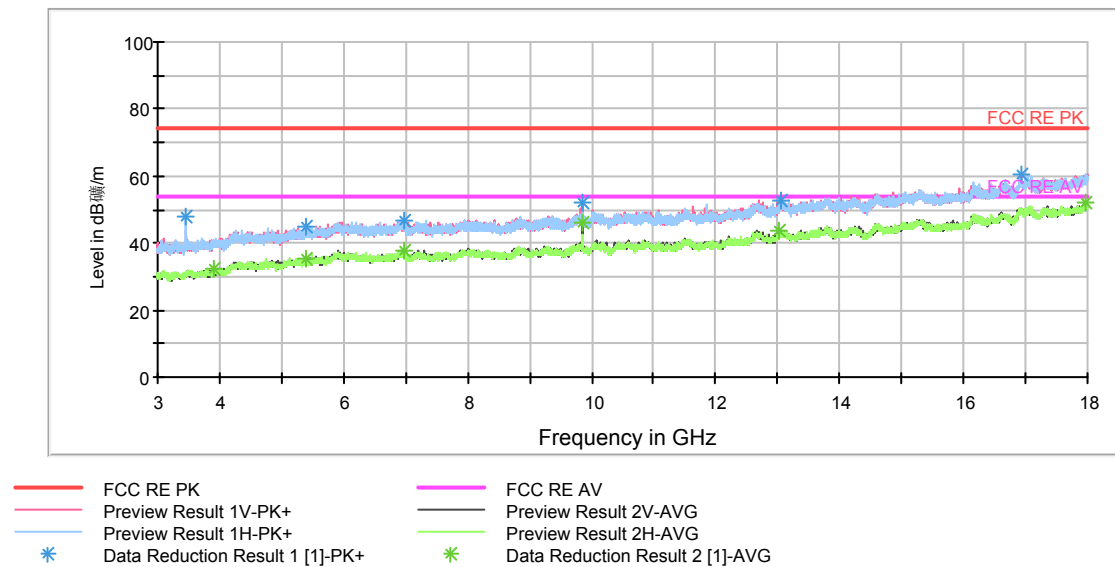
TA Technology (Shanghai) Co., Ltd.

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RE 3-18GHz PK+AV(YIPU)



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dB μ V/m) in the test plot =(level in dBuV/m)

Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3896.250000	40.0	100.0	H	39.0	39.8	-0.2	34.0	74
5381.250000	43.5	100.0	H	288.0	39.8	-3.7	30.5	74
6963.750000	44.7	100.0	V	214.0	38.1	-6.6	29.3	74
9847.500000	52.4	100.0	V	9.0	40.6	-11.8	21.6	74
13031.250000	51.1	100.0	V	181.0	34.9	-16.2	22.9	74
17975.625000	58.8	100.0	H	32.0	33.7	-25.1	15.2	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3896.250000	32.4	100.0	H	39.0	32.2	-0.2	21.6	54
5381.250000	35.6	100.0	H	288.0	31.9	-3.7	18.4	54
6963.750000	37.6	100.0	V	214.0	31.0	-6.6	16.4	54
9847.500000	45.9	100.0	V	9.0	34.1	-11.8	8.1	54
13031.250000	43.7	100.0	V	181.0	27.5	-16.2	10.3	54
17975.625000	52.0	100.0	H	32.0	26.9	-25.1	2.0	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

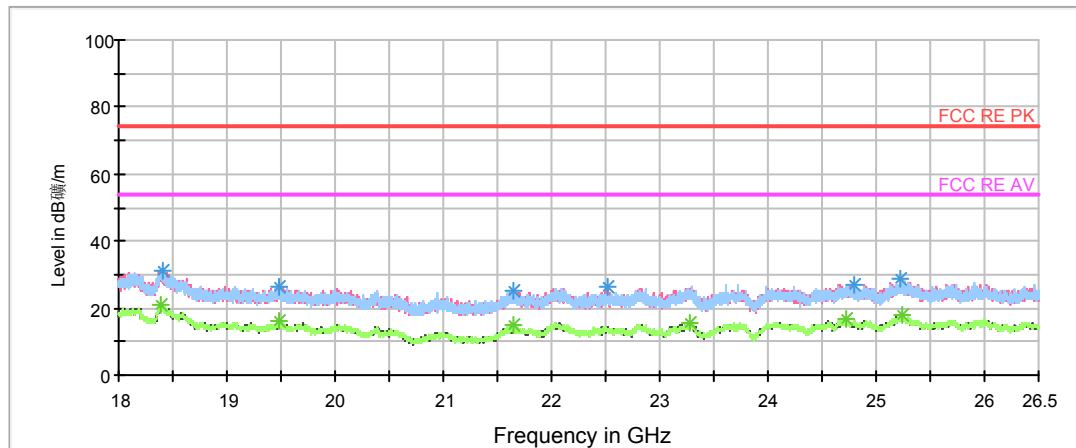
TA Technology (Shanghai) Co., Ltd.

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RE 18-26.5GHz PK+AV



— FCC RE PK
 — Preview Result 1V-PK+
 — Preview Result 1H-PK+
 * Data Reduction Result 1 [1]-PK+

— FCC RE AV
 — Preview Result 2V-AVG
 — Preview Result 2H-AVG
 * Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18386.750000	29.8	V	0.0	25.0	-4.8	44.2	74
19480.062500	25.1	V	0.0	17.3	-7.8	48.9	74
21648.625000	23.0	V	0.0	13.8	-9.2	51.0	74
23280.625000	24.9	V	0.0	17.8	-7.1	49.1	74
24715.000000	25.1	V	0.0	18.6	-6.5	48.9	74
25233.500000	28.1	H	0.0	22.2	-5.9	45.9	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18386.750000	21.0	V	0.0	16.2	-4.8	33.0	54
19480.062500	16.1	V	0.0	8.3	-7.8	37.9	54
21648.625000	14.8	V	0.0	5.6	-9.2	39.2	54
23280.625000	15.7	V	0.0	8.6	-7.1	38.3	54
24715.000000	16.7	V	0.0	10.2	-6.5	37.3	54
25233.500000	18.0	H	0.0	12.1	-5.9	36.0	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

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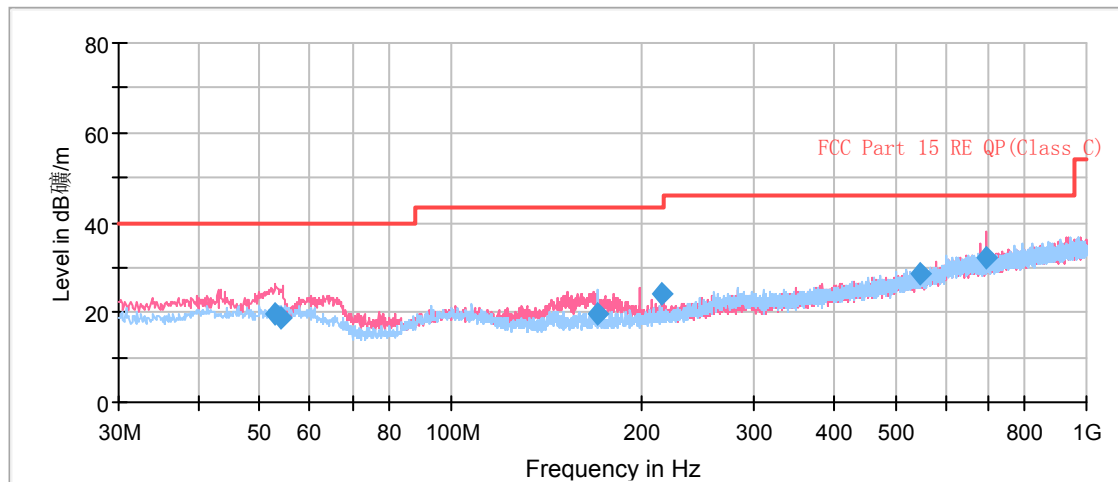
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802.11n2.4G (HT40) CH3

FCC RE 0.03-1GHz QP Class C



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

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)
52.955000	19.7	100.0	V	98.0	6.9	12.8	20.3	40.0
53.851250	19.0	100.0	V	308.0	6.2	12.8	21.0	40.0
170.447500	19.7	119.0	H	283.0	9.4	10.3	31.8	43.5
214.502500	24.3	100.0	V	167.0	11.7	12.6	19.2	43.5
549.147500	28.6	100.0	H	112.0	7.6	21.0	27.4	46.0
696.555000	32.1	100.0	V	208.0	9.3	22.8	23.9	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

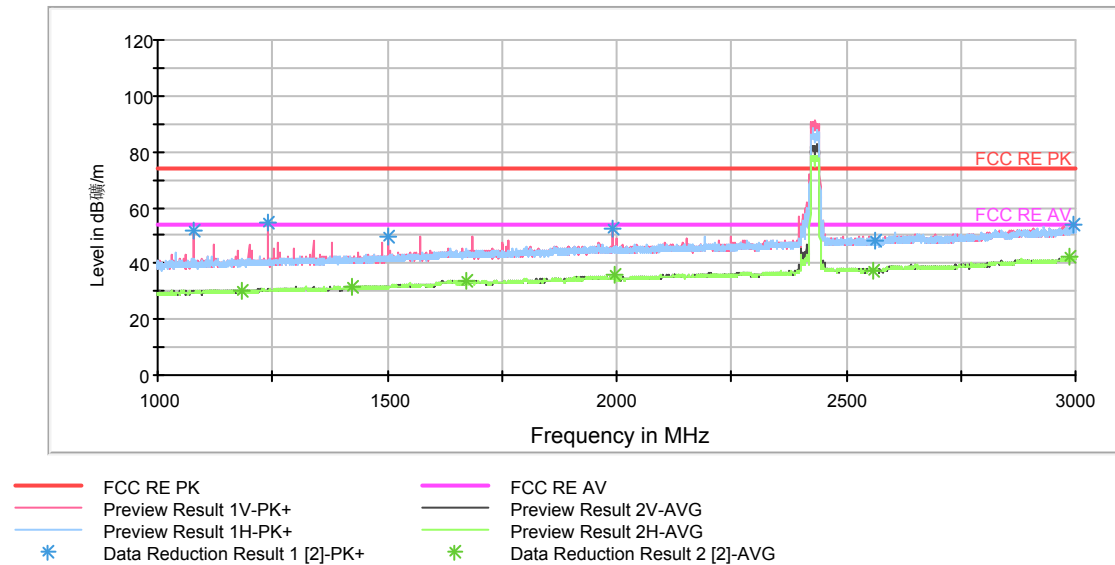
TA Technology (Shanghai) Co., Ltd.

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RE 1G-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1181.750000	39.8	100.0	H	23.0	31.8	-8.0	34.2	74
1424.500000	40.7	100.0	H	0.0	33.8	-6.9	33.3	74
1672.000000	42.7	100.0	H	46.0	37.6	-5.1	31.3	74
1993.500000	45.1	100.0	V	337.0	41.8	-3.3	28.9	74
2560.750000	48.1	100.0	V	0.0	47.6	-0.5	25.9	74
2985.750000	51.7	100.0	H	41.0	49.5	-2.2	22.3	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1181.750000	30.5	100.0	H	23.0	22.5	-8.0	23.5	54
1424.500000	31.8	100.0	H	0.0	24.9	-6.9	22.2	54
1672.000000	33.8	100.0	H	46.0	28.7	-5.1	20.2	54
1993.500000	35.7	100.0	V	337.0	32.4	-3.3	18.3	54
2560.750000	37.4	100.0	V	0.0	36.9	-0.5	16.6	54
2985.750000	42.6	100.0	H	41.0	40.4	-2.2	11.4	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

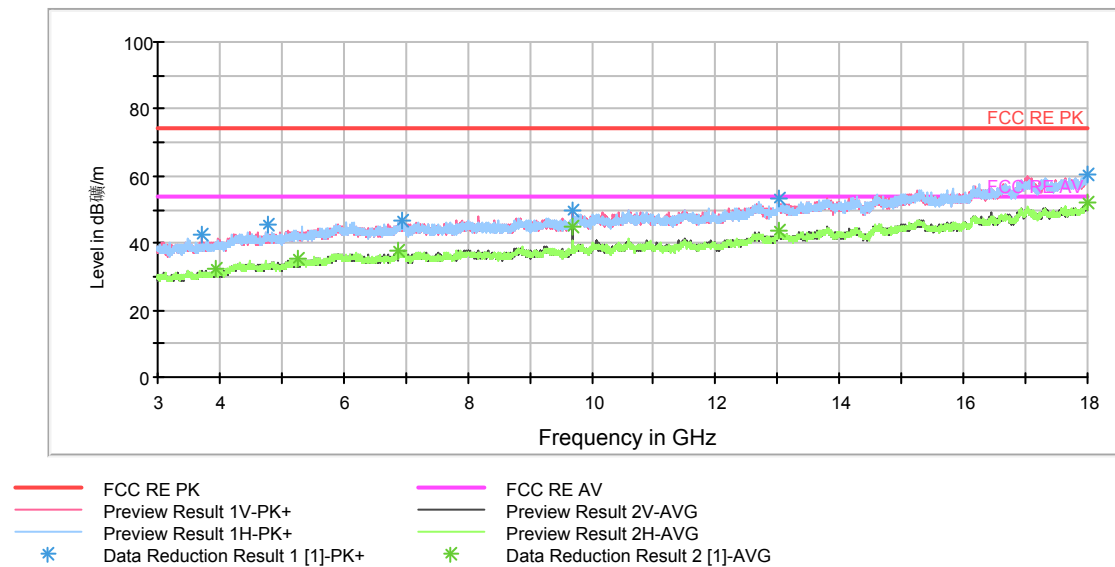
TA Technology (Shanghai) Co., Ltd.

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RE 3-18GHz PK+AV(YIPU)



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dB μ V/m) in the test plot =(level in dBuV/m)

Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3948.750000	39.5	100.0	H	186.0	39.4	-0.1	34.5	74
5266.875000	42.6	100.0	H	0.0	38.9	-3.7	31.4	74
6888.750000	45.1	100.0	H	160.0	38.2	-6.9	28.9	74
9688.125000	49.5	100.0	V	9.0	38.6	-10.9	24.5	74
13014.375000	50.4	100.0	H	177.0	34.2	-16.2	23.6	74
17988.750000	59.5	100.0	H	134.0	34.2	-25.3	14.5	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3948.750000	32.5	100.0	H	186.0	32.4	-0.1	21.5	54
5266.875000	35.3	100.0	H	0.0	31.6	-3.7	18.7	54
6888.750000	37.7	100.0	H	160.0	30.8	-6.9	16.3	54
9688.125000	45.2	100.0	V	9.0	34.3	-10.9	8.8	54
13014.375000	43.7	100.0	H	177.0	27.5	-16.2	10.3	54
17988.750000	52.1	100.0	H	134.0	26.8	-25.3	1.9	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

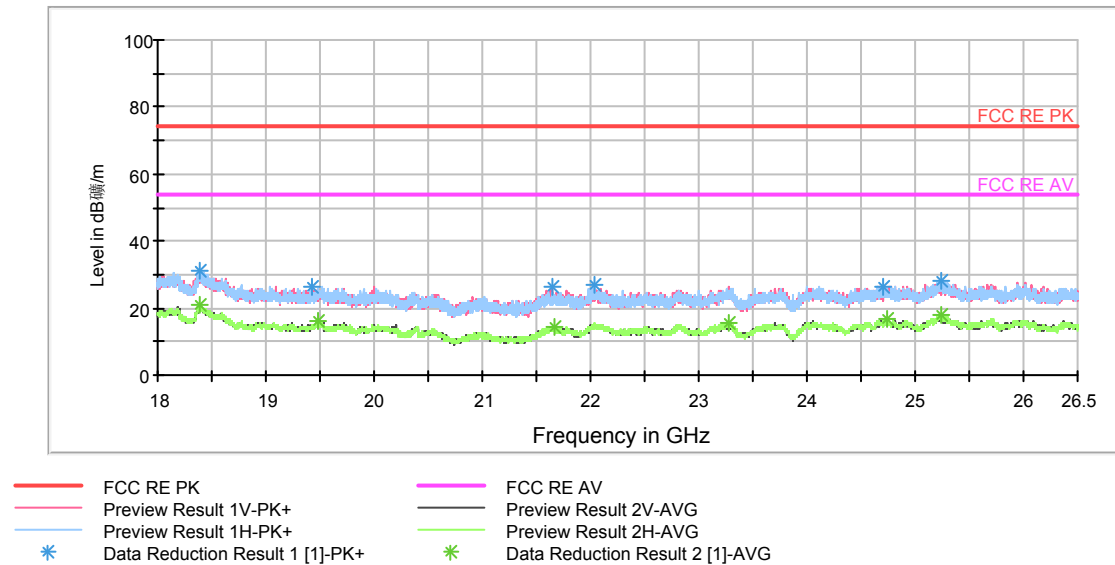
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RE 18-26.5GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18393.125000	30.1	H	0.0	25.2	-4.9	43.9	74
19490.687500	24.8	H	0.0	17.2	-7.6	49.2	74
21670.937500	22.0	H	0.0	12.7	-9.3	52.0	74
23274.250000	25.2	H	0.0	18.0	-7.2	48.8	74
24737.312500	26.0	H	0.0	19.6	-6.4	48.0	74
25237.750000	26.3	H	0.0	20.2	-6.1	47.7	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18393.125000	21.0	H	0.0	16.1	-4.9	33.0	54
19490.687500	16.0	H	0.0	8.4	-7.6	38.0	54
21670.937500	14.5	H	0.0	5.2	-9.3	39.5	54
23274.250000	15.7	H	0.0	8.5	-7.2	38.3	54
24737.312500	16.8	H	0.0	10.4	-6.4	37.2	54
25237.750000	17.9	H	0.0	11.8	-6.1	36.1	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

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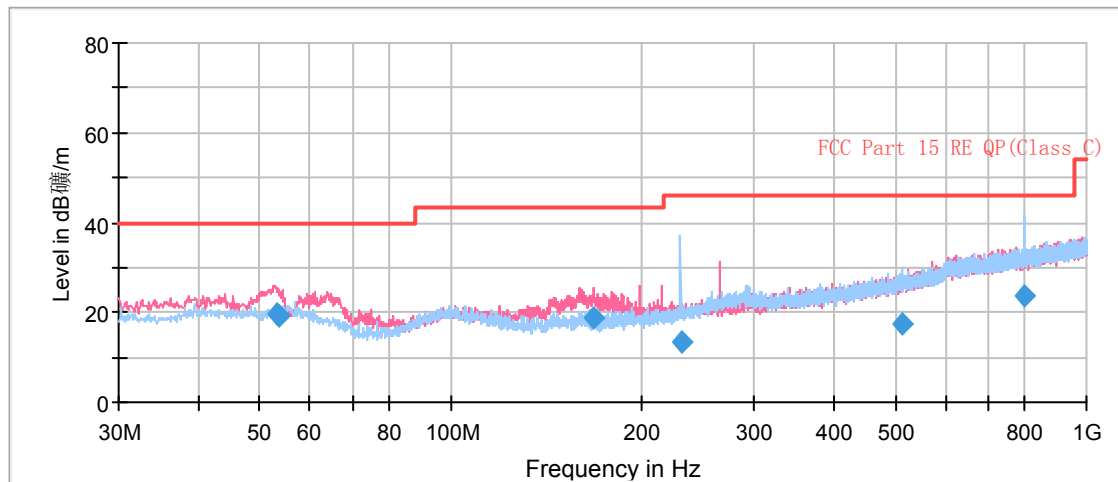
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802.11n2.4G (HT40)CH6

FCC RE 0.03-1GHz QP Class C



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

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)
53.317500	19.5	100.0	V	278.0	6.7	-12.8	20.5	40.0
53.650000	19.3	100.0	V	22.0	6.5	-12.8	20.7	40.0
167.340000	18.6	100.0	V	221.0	8.5	-10.1	24.9	43.5
230.020000	13.3	125.0	H	112.0	0.1	-13.2	32.7	46.0
511.975000	17.6	100.0	H	282.0	-2.7	-20.3	28.4	46.0
796.098750	23.5	125.0	H	128.0	-0.8	-24.3	22.5	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

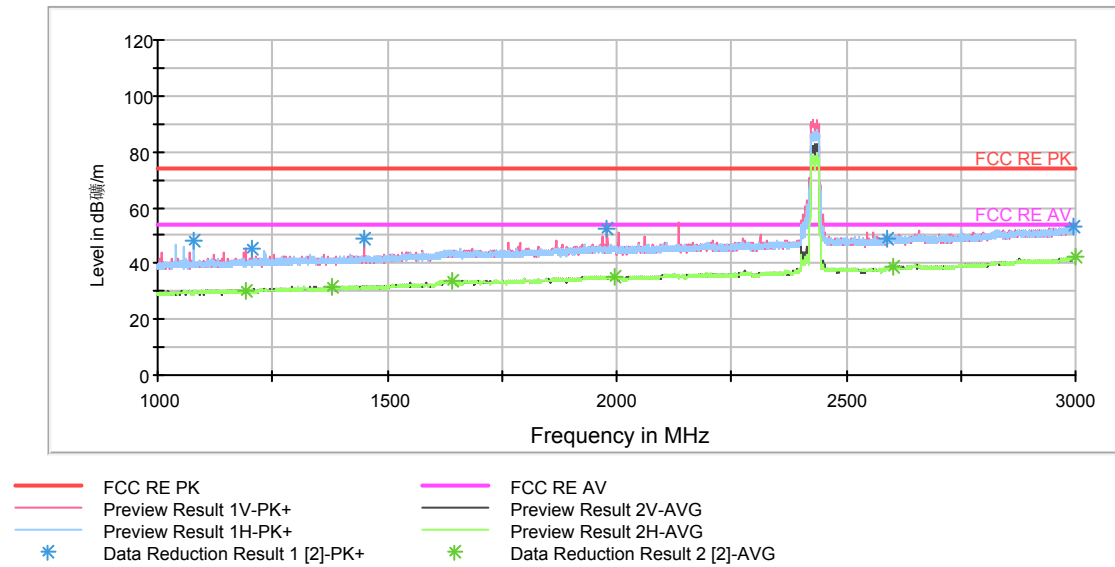
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RE 1G-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1192.250000	39.6	100.0	H	0.0	31.4	-8.2	34.4	74
1381.250000	41.5	100.0	V	277.0	34.5	-7.0	32.5	74
1641.750000	43.0	100.0	H	193.0	38.3	-4.7	31.0	74
1993.750000	45.1	100.0	V	242.0	41.8	-3.3	28.9	74
2603.000000	47.9	100.0	H	42.0	47.6	-0.3	26.1	74
2998.000000	51.5	100.0	V	356.0	49.2	-2.3	22.5	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1192.250000	30.5	100.0	H	0.0	22.3	-8.2	23.5	54
1381.250000	31.8	100.0	V	277.0	24.8	-7.0	22.2	54
1641.750000	33.7	100.0	H	193.0	29.0	-4.7	20.3	54
1993.750000	35.6	100.0	V	242.0	32.3	-3.3	18.4	54
2603.000000	39.1	100.0	H	42.0	38.8	-0.3	14.9	54
2998.000000	42.1	100.0	V	356.0	39.8	-2.3	11.9	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

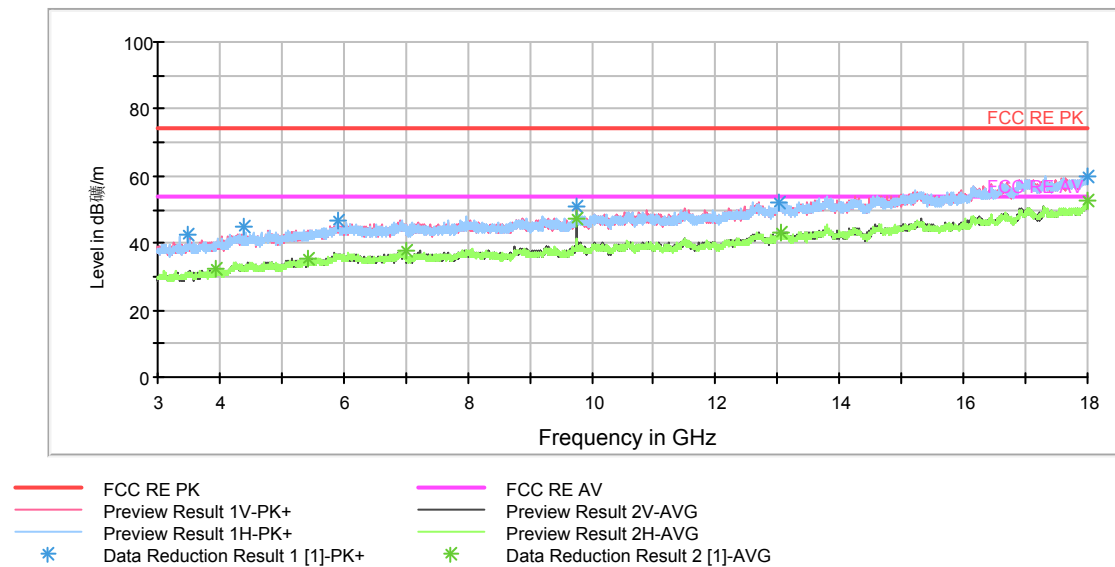
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RE 3-18GHz PK+AV(YIPU)



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3946.875000	38.6	100.0	H	146.0	38.5	-0.1	35.4	74
5437.500000	43.2	100.0	V	123.0	39.4	-3.8	30.8	74
6993.750000	44.4	100.0	V	258.0	38.0	-6.4	29.6	74
9748.125000	51.0	100.0	V	19.0	39.4	-11.6	23.0	74
13068.750000	50.2	100.0	V	298.0	34.0	-16.2	23.8	74
17998.125000	60.1	100.0	V	37.0	34.7	-25.4	13.9	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3946.875000	32.5	100.0	H	146.0	32.4	-0.1	21.5	54
5437.500000	35.2	100.0	V	123.0	31.4	-3.8	18.8	54
6993.750000	37.7	100.0	V	258.0	31.3	-6.4	16.3	54
9748.125000	47.2	100.0	V	19.0	35.6	-11.6	6.8	54
13068.750000	43.4	100.0	V	298.0	27.2	-16.2	10.6	54
17998.125000	52.8	100.0	V	37.0	27.4	-25.4	1.2	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

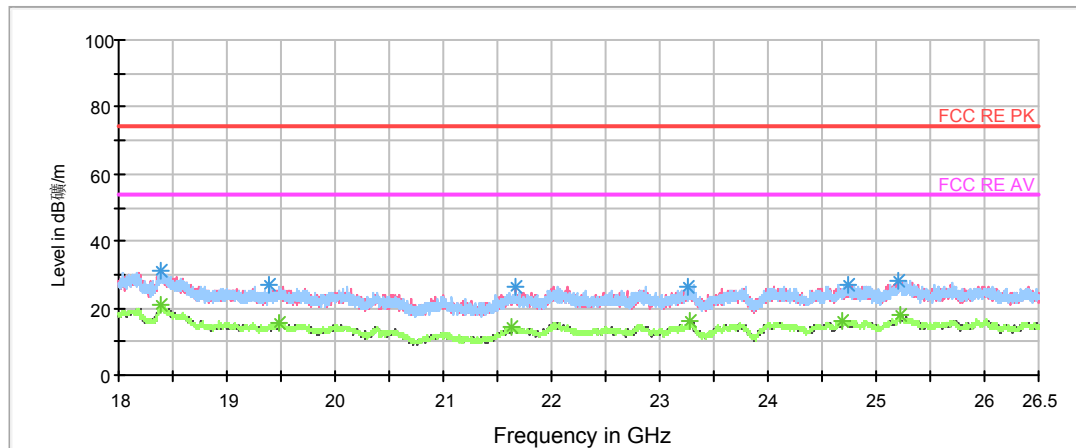
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RE 18-26.5GHz PK+AV



— FCC RE PK
 — Preview Result 1V-PK+
 — Preview Result 1H-PK+
 * Data Reduction Result 1 [1]-PK+
 — FCC RE AV
 — Preview Result 2V-AVG
 — Preview Result 2H-AVG
 * Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18392.062500	29.5	H	0.0	24.6	-4.9	44.5	74
19481.125000	25.2	V	0.0	17.4	-7.8	48.8	74
21634.812500	22.8	H	0.0	13.7	-9.1	51.2	74
23285.937500	24.7	V	0.0	17.6	-7.1	49.3	74
24687.375000	24.2	V	0.0	17.2	-7.0	49.8	74
25226.062500	26.0	V	0.0	20.1	-5.9	48.0	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18392.062500	20.8	H	0.0	15.9	-4.9	33.2	54
19481.125000	15.8	V	0.0	8.0	-7.8	38.2	54
21634.812500	14.4	H	0.0	5.3	-9.1	39.6	54
23285.937500	15.9	V	0.0	8.8	-7.1	38.1	54
24687.375000	16.4	V	0.0	9.4	-7.0	37.6	54
25226.062500	18.1	V	0.0	12.2	-5.9	35.9	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

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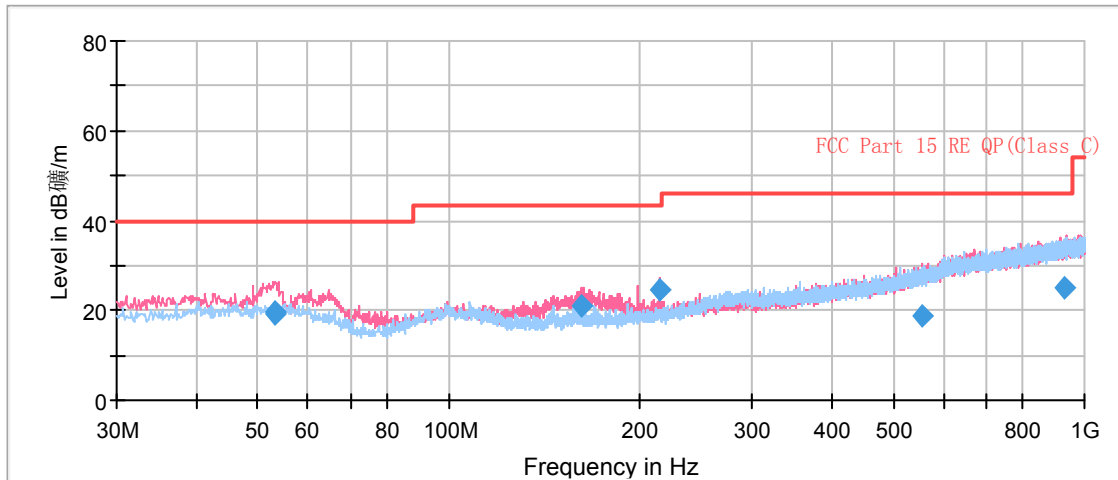
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802.11n2.4G (HT40) CH9

FCC RE 0.03-1GHz QP Class C



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBuV/m) in the test plot =(level in dBuV/m)

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)
53.196250	19.8	100.0	V	43.0	7.0	-12.8	20.2	40.0
53.286250	19.2	100.0	V	0.0	6.4	-12.8	20.8	40.0
162.005000	21.0	100.0	V	226.0	11.2	-9.8	22.5	43.5
214.502500	24.5	100.0	V	162.0	11.9	-12.6	19.0	43.5
555.735000	18.8	125.0	V	15.0	-2.4	-21.2	27.2	46.0
933.315000	25.2	118.0	V	194.0	-0.7	-25.9	20.8	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

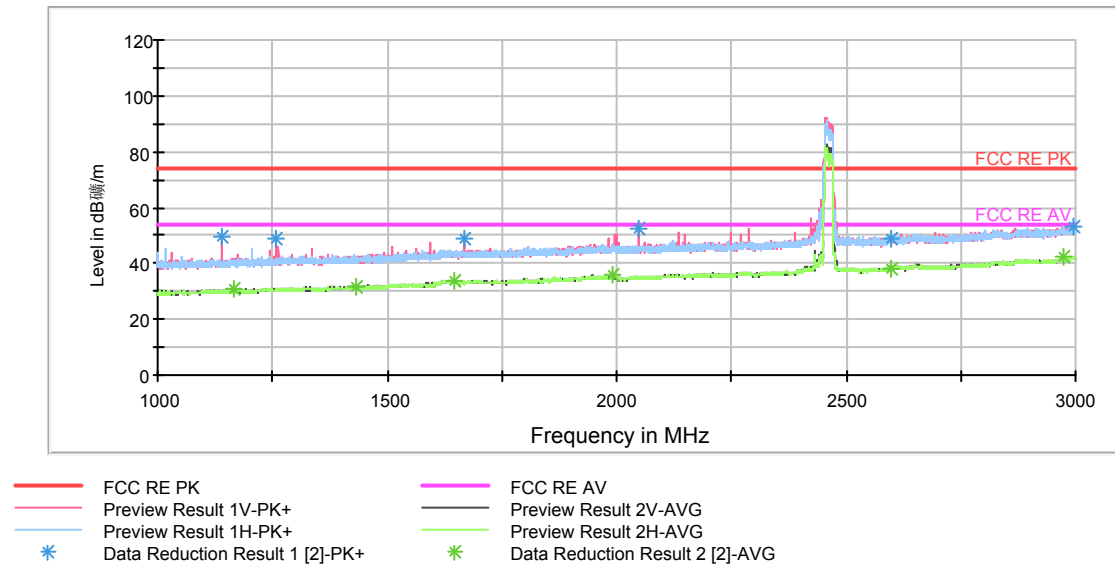
TA Technology (Shanghai) Co., Ltd.

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RE 1G-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1167.250000	41.1	100.0	H	76.0	32.9	-8.2	32.9	74
1432.000000	41.2	100.0	V	352.0	34.3	-6.9	32.8	74
1646.500000	43.2	100.0	V	341.0	38.3	-4.9	30.8	74
1992.000000	45.1	100.0	H	23.0	41.8	-3.3	28.9	74
2596.500000	48.7	100.0	V	0.0	48.4	-0.3	25.3	74
2973.750000	51.1	100.0	H	193.0	48.9	-2.2	22.9	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1167.250000	30.8	100.0	H	76.0	22.6	-8.2	23.2	54
1432.000000	31.8	100.0	V	352.0	24.9	-6.9	22.2	54
1646.500000	33.9	100.0	V	341.0	29.0	-4.9	20.1	54
1992.000000	35.7	100.0	H	23.0	32.4	-3.3	18.3	54
2596.500000	38.3	100.0	V	0.0	38.0	-0.3	15.7	54
2973.750000	42.2	100.0	H	193.0	40.0	-2.2	11.8	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

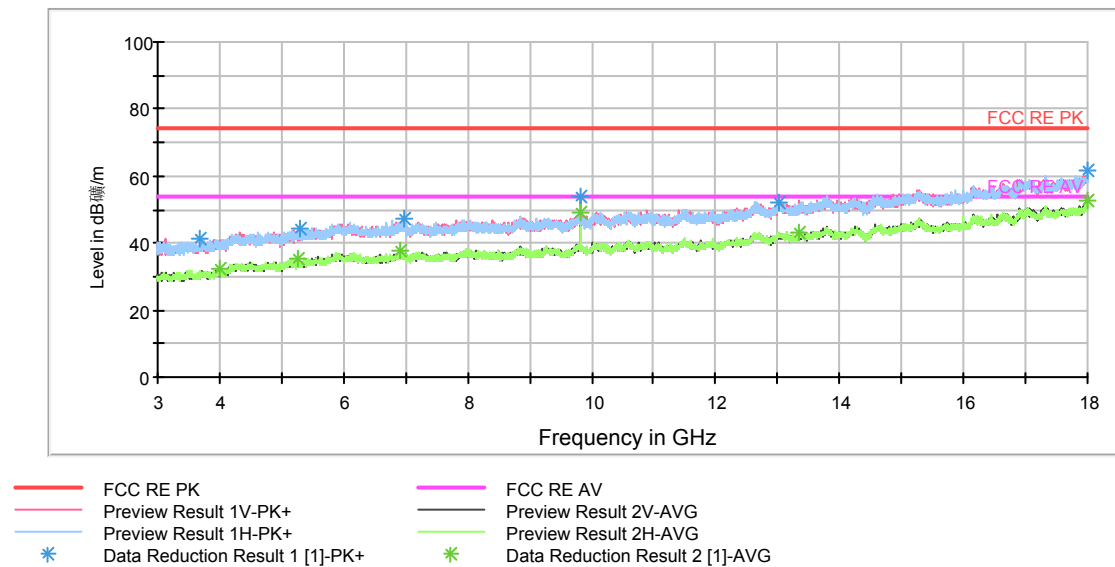
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RE 3-18GHz PK+AV(YIPU)



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dB μ V/m) in the test plot =(level in dBuV/m)

Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4006.875000	39.4	100.0	H	221.0	38.9	-0.5	34.6	74
5255.625000	41.3	100.0	H	144.0	37.6	-3.7	32.7	74
6920.625000	44.8	100.0	V	246.0	37.9	-6.9	29.2	74
9808.125000	53.9	100.0	V	18.0	41.7	-12.2	20.1	74
13346.250000	51.3	100.0	V	343.0	35.5	-15.8	22.7	74
18000.000000	59.0	100.0	V	318.0	33.6	-25.4	15.0	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4006.875000	32.2	100.0	H	221.0	31.7	-0.5	21.8	54
5255.625000	35.3	100.0	H	144.0	31.6	-3.7	18.7	54
6920.625000	37.5	100.0	V	246.0	30.6	-6.9	16.5	54
9808.125000	49.0	100.0	V	18.0	36.8	-12.2	5.0	54
13346.250000	43.3	100.0	V	343.0	27.5	-15.8	10.7	54
18000.000000	52.5	100.0	V	318.0	27.1	-25.4	1.5	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

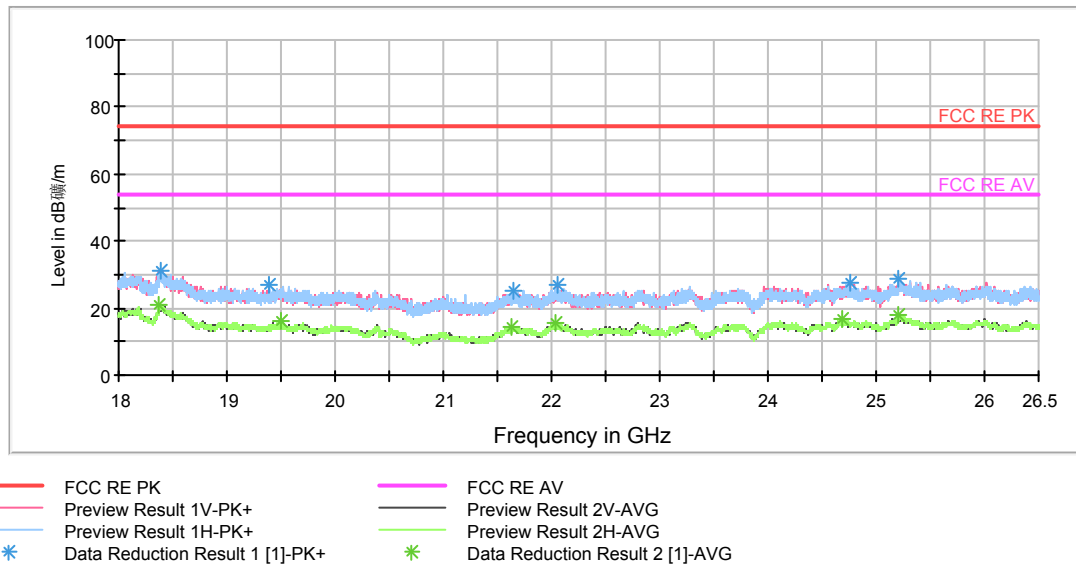
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RE 18-26.5GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBμV/m) in the test plot =(level in dBuV/m)

Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18376.125000	28.8	H	0.0	24.1	-4.7	45.2	74
19493.875000	25.8	H	0.0	18.2	-7.6	48.2	74
21634.812500	22.8	V	0.0	13.7	-9.1	51.2	74
22036.437500	25.5	H	0.0	17.5	-8.0	48.5	74
24687.375000	25.2	H	0.0	18.2	-7.0	48.8	74
25197.375000	26.3	V	0.0	19.7	-6.6	47.7	74

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18376.125000	20.9	H	0.0	16.2	-4.7	33.1	54
19493.875000	16.0	H	0.0	8.4	-7.6	38.0	54
21634.812500	14.5	V	0.0	5.4	-9.1	39.5	54
22036.437500	15.8	H	0.0	7.8	-8.0	38.2	54
24687.375000	16.9	H	0.0	9.9	-7.0	37.1	54
25197.375000	17.8	V	0.0	11.2	-6.6	36.2	54

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

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2.10. Conducted Emissions

Ambient condition

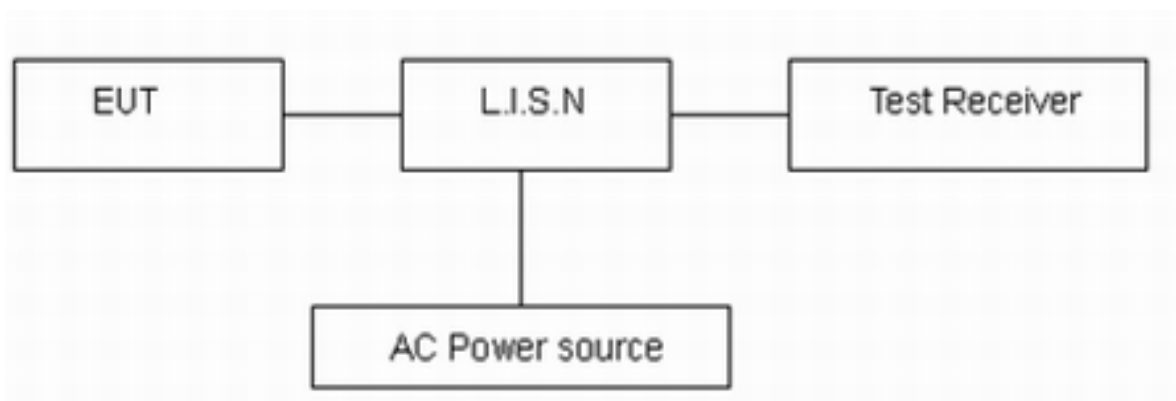
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

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 ANSIC63.4-2014. 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 transmitting 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.

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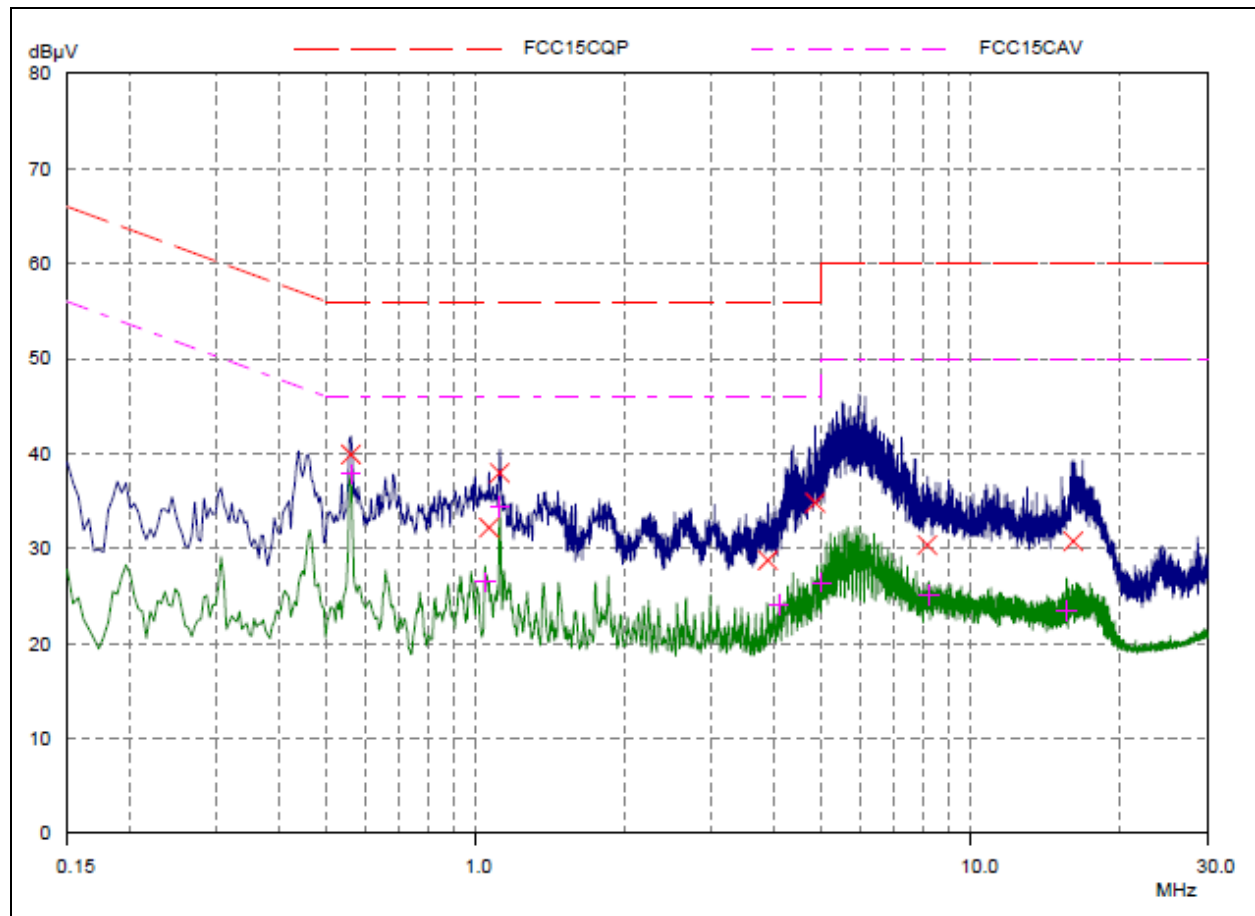
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Test Results:

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.56015	39.90	56.00	16.10	L1	gnd
1.06406	32.20	56.00	23.80	L1	gnd
1.11875	37.98	56.00	18.02	L1	gnd
3.88828	28.76	56.00	27.24	L1	gnd
4.84921	34.82	56.00	21.18	L1	gnd
8.1617	30.38	60.00	29.62	L1	gnd
16.07578	30.79	60.00	29.21	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	37.83	46.00	8.17	L1	gnd
1.04453	26.51	46.00	19.49	L1	gnd
1.11875	34.41	46.00	11.59	L1	gnd
4.09921	24.12	46.00	21.88	L1	gnd
4.99765	26.45	46.00	19.55	L1	gnd
8.2164	25.14	50.00	24.86	L1	gnd
15.59531	23.47	50.00	26.53	L1	gnd

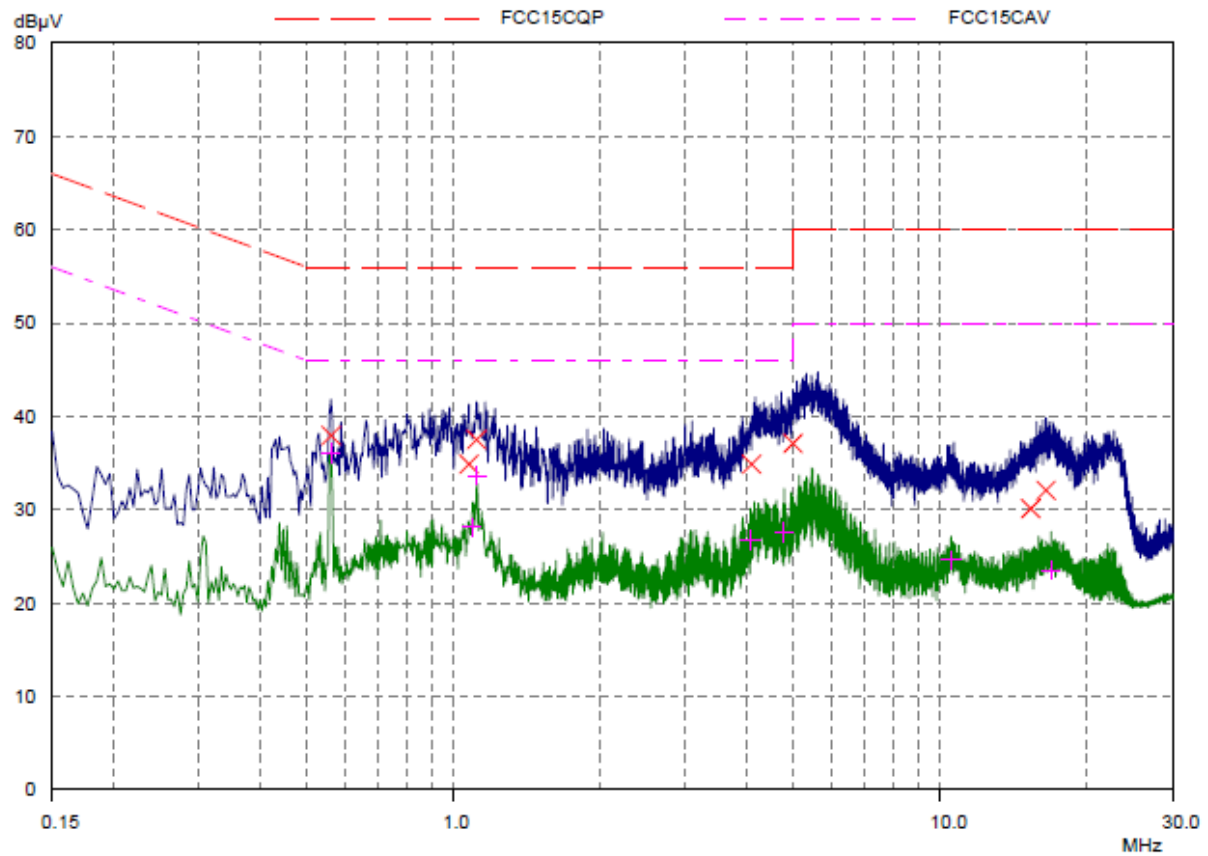
L Line

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.56015	37.96	56.00	18.04	N	gnd
1.07578	34.90	56.00	21.10	N	gnd
1.11484	37.52	56.00	18.48	N	gnd
4.0953	34.88	56.00	21.12	N	gnd
4.98203	37.12	56.00	18.88	N	gnd
15.3414	30.13	60.00	29.87	N	gnd
16.47031	32.06	60.00	27.94	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	36.08	46.00	9.92	N	gnd
1.0914	28.13	46.00	17.87	N	gnd
1.11875	33.66	46.00	12.34	N	gnd
4.07578	26.76	46.00	19.24	N	gnd
4.775	27.59	46.00	18.41	N	gnd
10.51718	24.62	50.00	25.38	N	gnd
16.86875	23.54	50.00	26.46	N	gnd

N Line

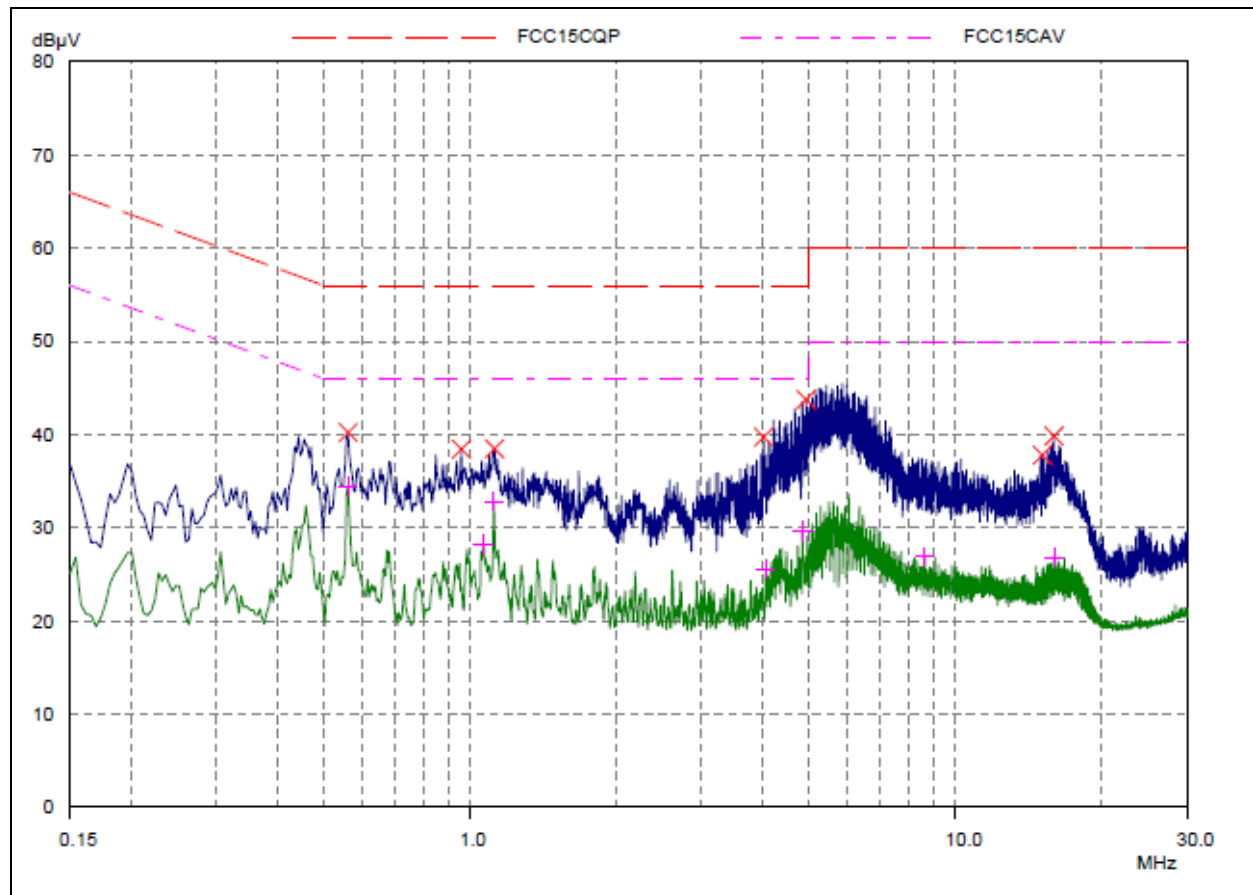
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Peak Search Results

Frequency MHz	PK Level dBμV	PK Limit dBμV	PK Delta dB	Phase -	PE -
0.56015	40.22	56.00	15.78	L1	fl
0.95859	38.44	56.00	17.56	L1	fl
1.12265	38.48	56.00	17.52	L1	fl
4.02109	39.74	56.00	16.26	L1	fl
4.92343	43.76	56.00	12.24	L1	fl
15.09531	37.80	60.00	22.20	L1	fl
15.94687	39.85	60.00	20.15	L1	fl

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	34.46	46.00	11.54	L1	fl
1.06406	28.24	46.00	17.76	L1	fl
1.11875	32.84	46.00	13.16	L1	fl
4.06015	25.58	46.00	20.42	L1	fl
4.83359	29.66	46.00	16.34	L1	fl
8.64609	26.90	50.00	23.10	L1	fl
15.94296	26.85	50.00	23.15	L1	fl

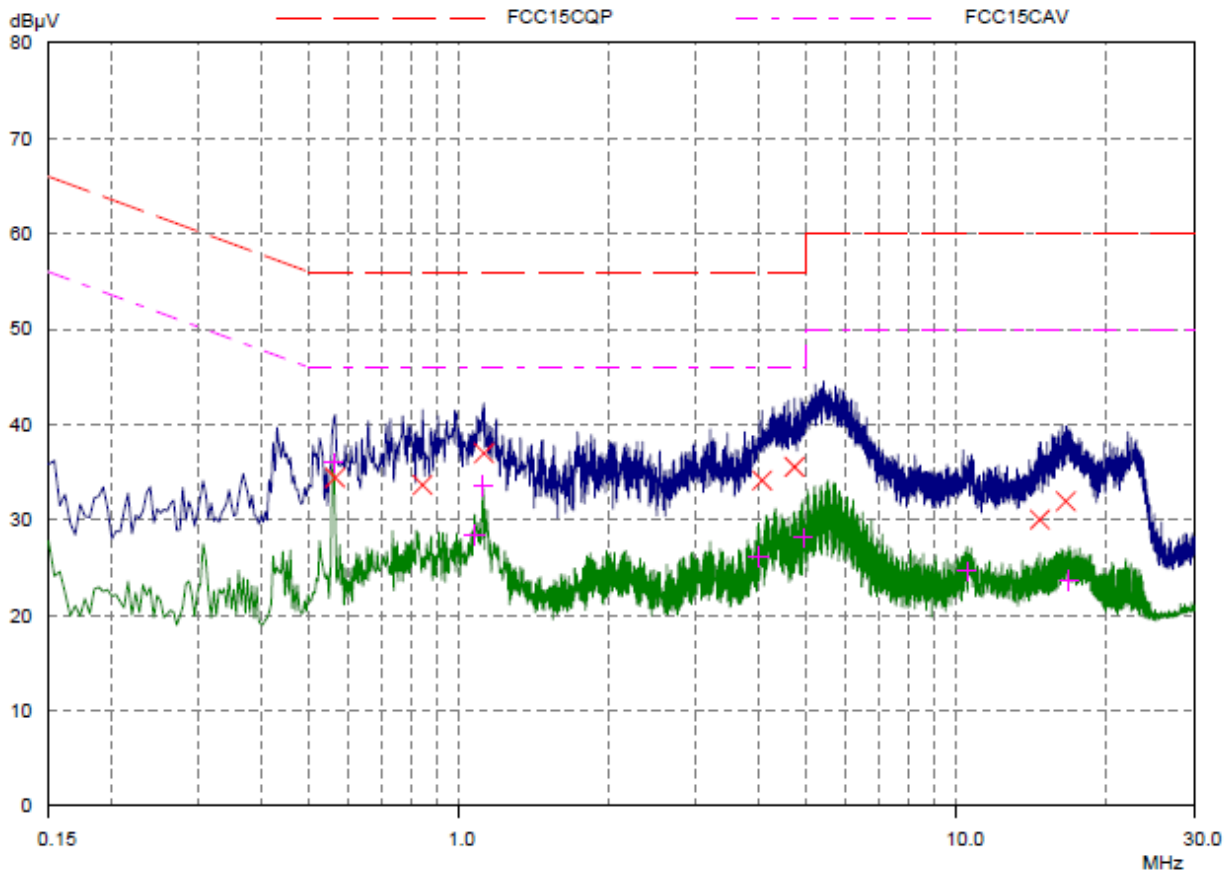
L Line

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.56406	34.42	56.00	21.58	N	gnd
0.84531	33.66	56.00	22.34	N	gnd
1.12265	37.00	56.00	19.00	N	gnd
4.06405	34.14	56.00	21.86	N	gnd
4.72421	35.56	56.00	20.44	N	gnd
14.68515	30.02	60.00	29.98	N	gnd
16.56796	31.96	60.00	28.04	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	35.99	46.00	10.01	N	gnd
1.07578	28.44	46.00	17.56	N	gnd
1.11875	33.55	46.00	12.45	N	gnd
3.99765	26.13	46.00	19.87	N	gnd
4.91171	28.13	46.00	17.87	N	gnd
10.48593	24.62	50.00	25.38	N	gnd
16.82187	23.68	50.00	26.32	N	gnd

N Line

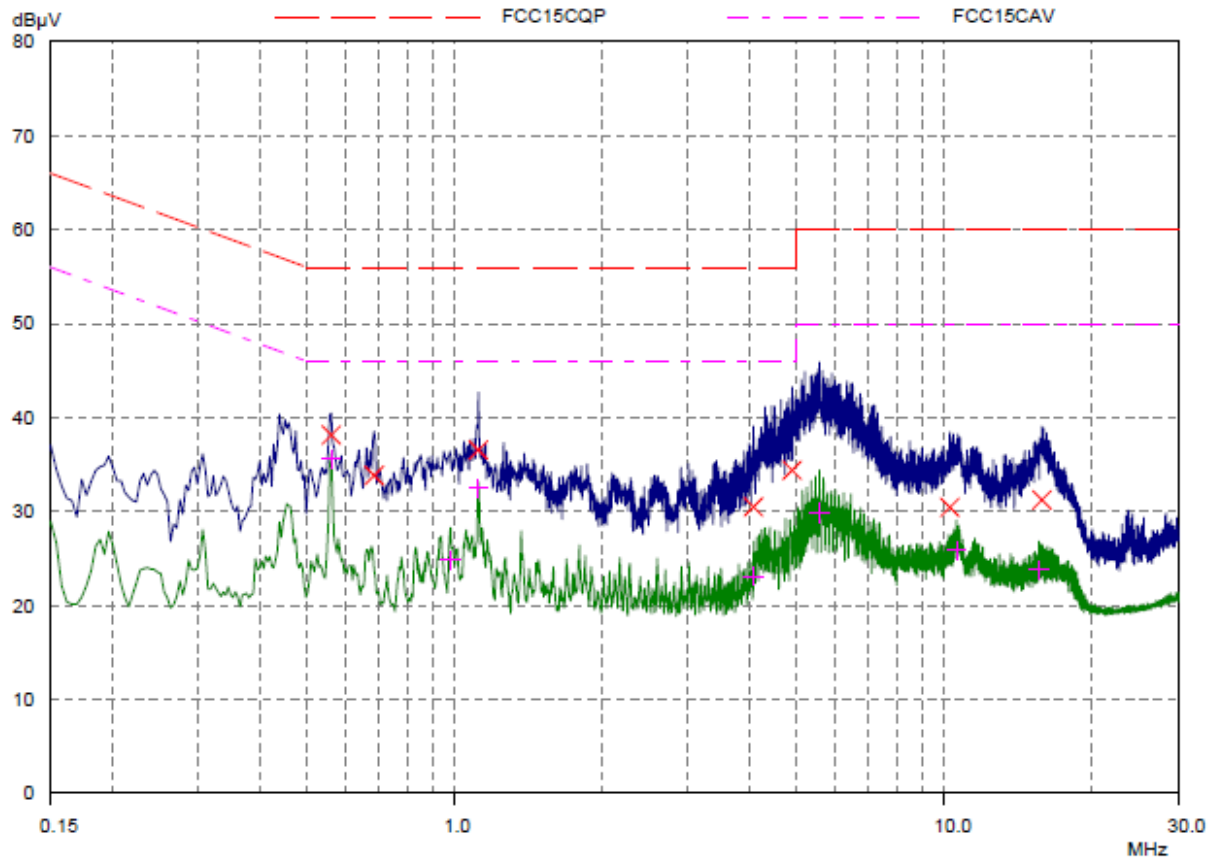
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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.56015	38.14	56.00	17.86	L1	gnd
0.68515	33.84	56.00	22.16	L1	gnd
1.11875	36.54	56.00	19.46	L1	gnd
4.07578	30.50	56.00	25.50	L1	gnd
4.88437	34.40	56.00	21.60	L1	gnd
10.25156	30.46	60.00	29.54	L1	gnd
15.78671	31.26	60.00	28.74	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	35.56	46.00	10.44	L1	gnd
0.98203	24.84	46.00	21.16	L1	gnd
1.11875	32.47	46.00	13.53	L1	gnd
4.08359	23.10	46.00	22.90	L1	gnd
5.55625	29.89	50.00	20.11	L1	gnd
10.57578	25.87	50.00	24.13	L1	gnd
15.59821	23.79	50.00	26.21	L1	gnd

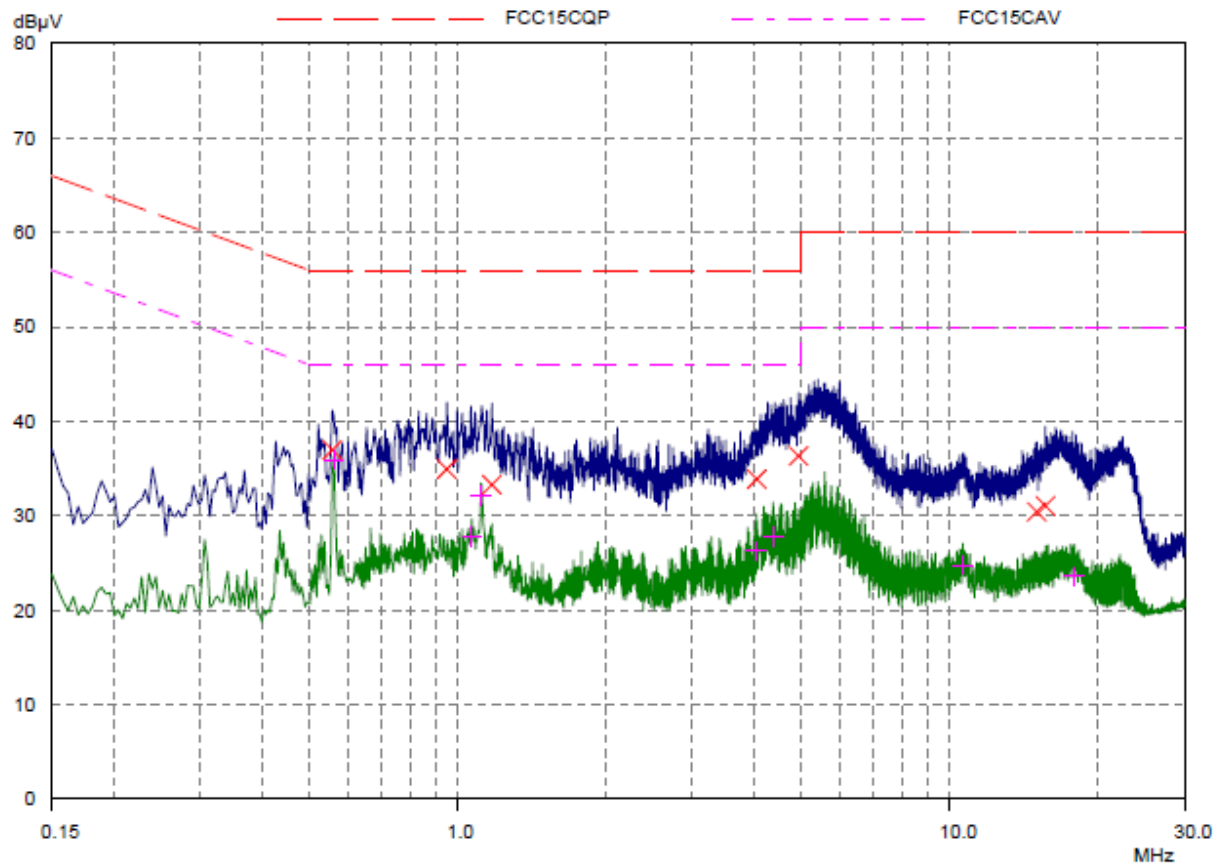
L Line

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.55625	36.98	56.00	19.02	N	gnd
0.95078	34.94	56.00	21.06	N	gnd
1.17343	33.30	56.00	22.70	N	gnd
4.04842	33.88	56.00	22.12	N	gnd
4.92734	36.34	56.00	19.66	N	gnd
15.00937	30.43	60.00	29.57	N	gnd
15.61484	31.05	60.00	28.95	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	35.91	46.00	10.09	N	gnd
1.06796	27.75	46.00	18.25	N	gnd
1.11484	32.15	46.00	13.85	N	gnd
4.04061	26.26	46.00	19.74	N	gnd
4.37656	27.81	46.00	18.19	N	gnd
10.61093	24.77	50.00	25.23	N	gnd
17.88828	23.57	50.00	26.43	N	gnd

N Line

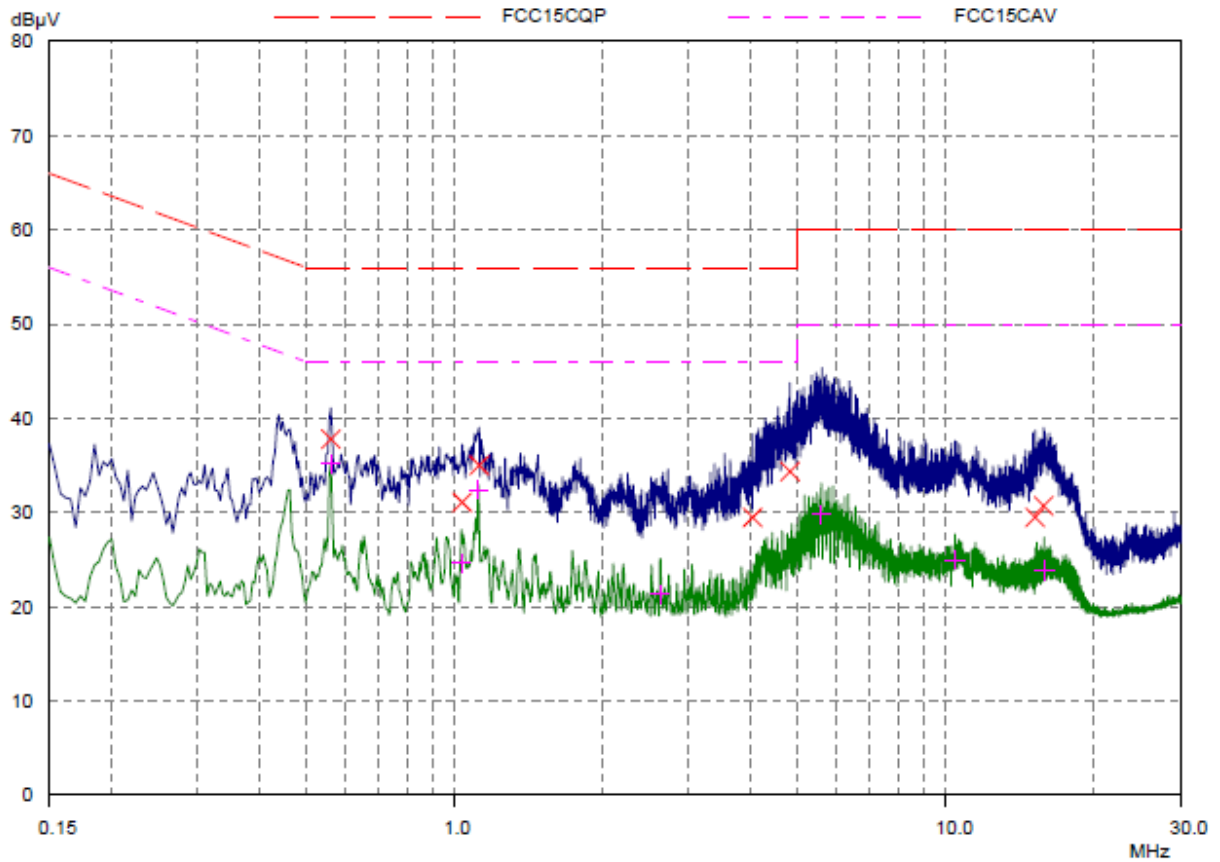
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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.56015	37.80	56.00	18.20	L1	gnd
1.03671	31.08	56.00	24.92	L1	gnd
1.12285	35.02	56.00	20.98	L1	gnd
4.04453	29.48	56.00	26.52	L1	gnd
4.81015	34.36	56.00	21.64	L1	gnd
15.18515	29.50	60.00	30.50	L1	gnd
15.79453	30.72	60.00	29.28	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	35.14	46.00	10.86	L1	gnd
1.03281	24.61	46.00	21.39	L1	gnd
1.11875	32.41	46.00	13.59	L1	gnd
2.61875	21.28	46.00	24.72	L1	gnd
5.57578	29.80	50.00	20.20	L1	gnd
10.42343	25.00	50.00	25.00	L1	gnd
15.8375	23.89	50.00	26.11	L1	gnd

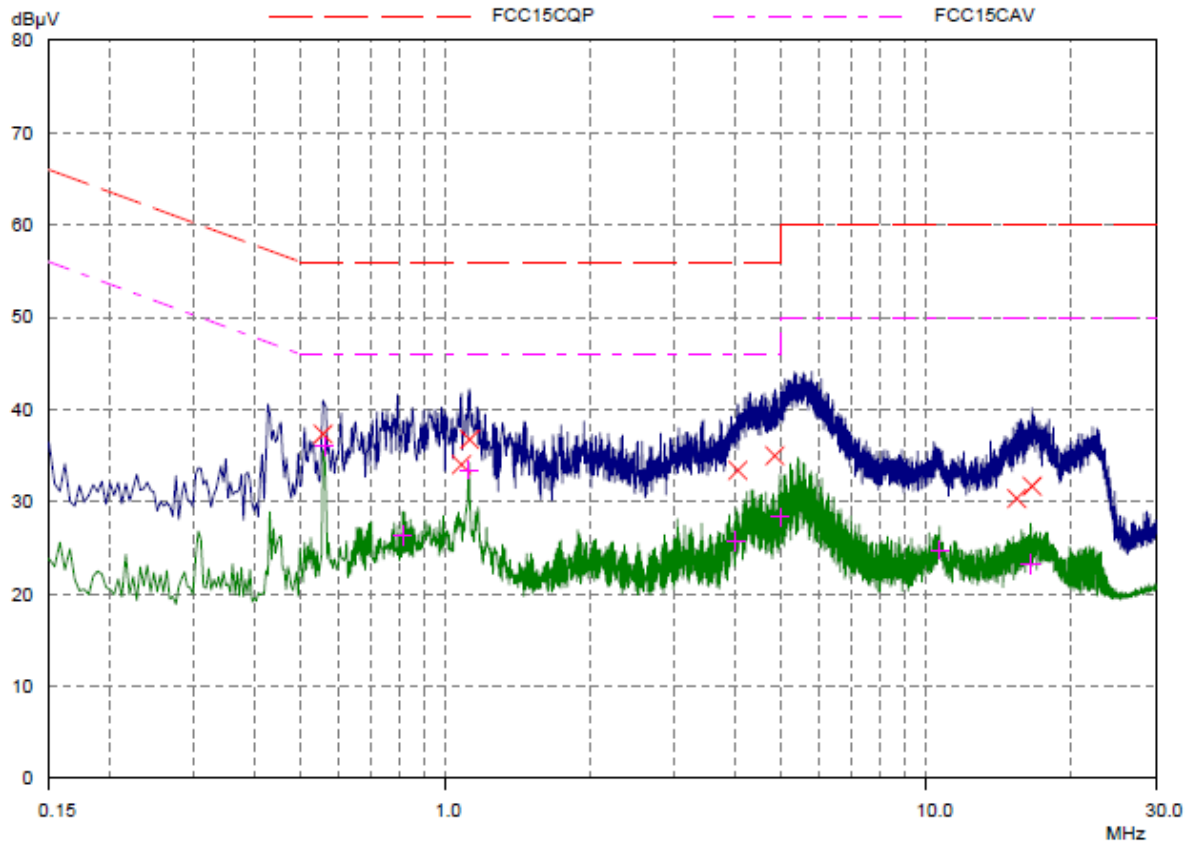
L Line

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.55625	37.34	56.00	18.66	N	gnd
1.07968	34.02	56.00	21.98	N	gnd
1.12265	36.74	56.00	19.26	N	gnd
4.05234	33.42	56.00	22.58	N	gnd
4.8414	35.00	56.00	21.00	N	gnd
15.4	30.36	60.00	29.64	N	gnd
16.57187	31.70	60.00	28.30	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	35.99	46.00	10.01	N	gnd
0.81406	26.32	46.00	19.68	N	gnd
1.11875	33.44	46.00	12.56	N	gnd
4.01328	25.72	46.00	20.28	N	gnd
4.95859	28.34	46.00	17.66	N	gnd
10.63828	24.77	50.00	25.23	N	gnd
16.47031	23.29	50.00	26.71	N	gnd

N Line

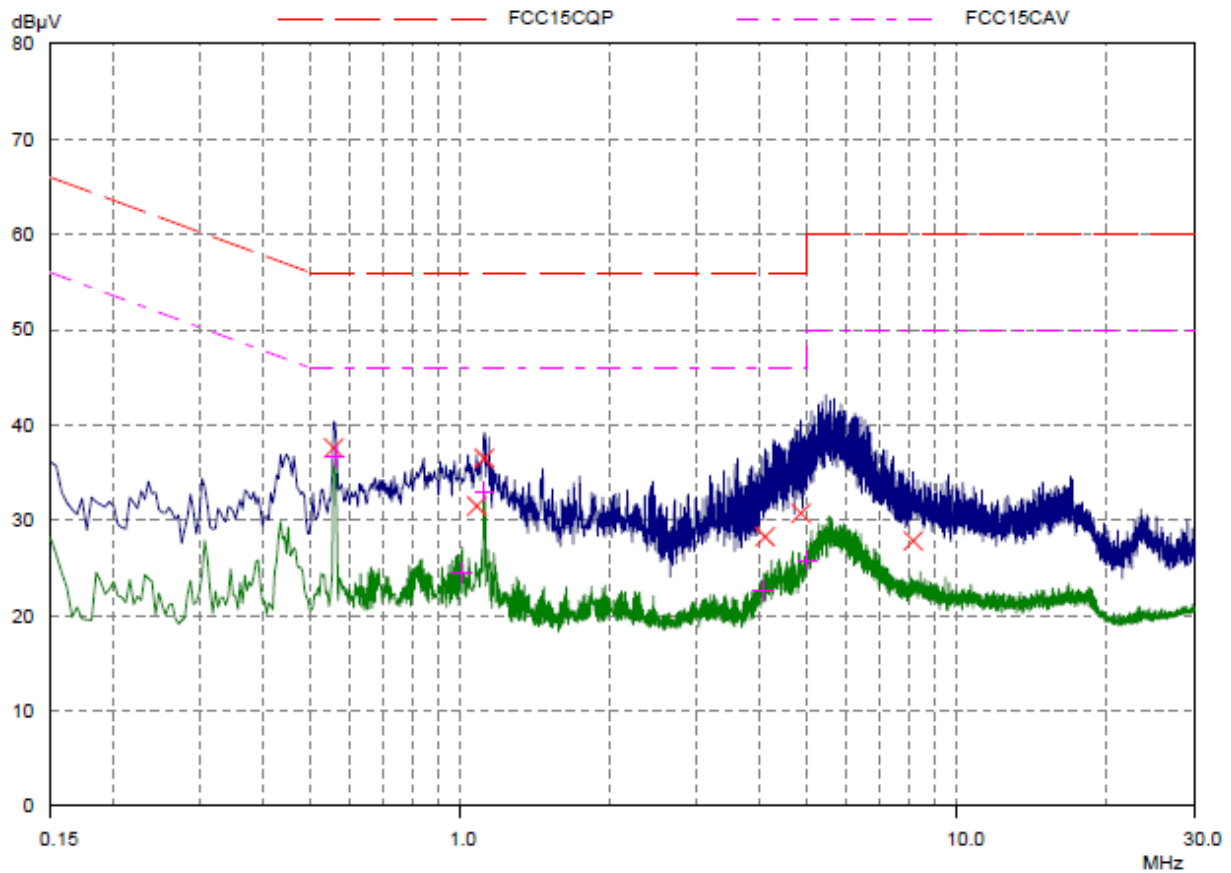
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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.55625	37.60	56.00	18.40	L1	gnd
1.07968	31.50	56.00	24.50	L1	gnd
1.11875	36.50	56.00	19.50	L1	gnd
4.10703	28.28	56.00	27.72	L1	gnd
4.84921	30.74	56.00	25.26	L1	gnd
8.1539	27.84	60.00	32.16	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	36.73	46.00	9.27	L1	gnd
1.00937	24.45	46.00	21.55	L1	gnd
1.11875	33.03	46.00	12.97	L1	gnd
4.08359	22.67	46.00	23.33	L1	gnd
4.99375	25.79	46.00	20.21	L1	gnd

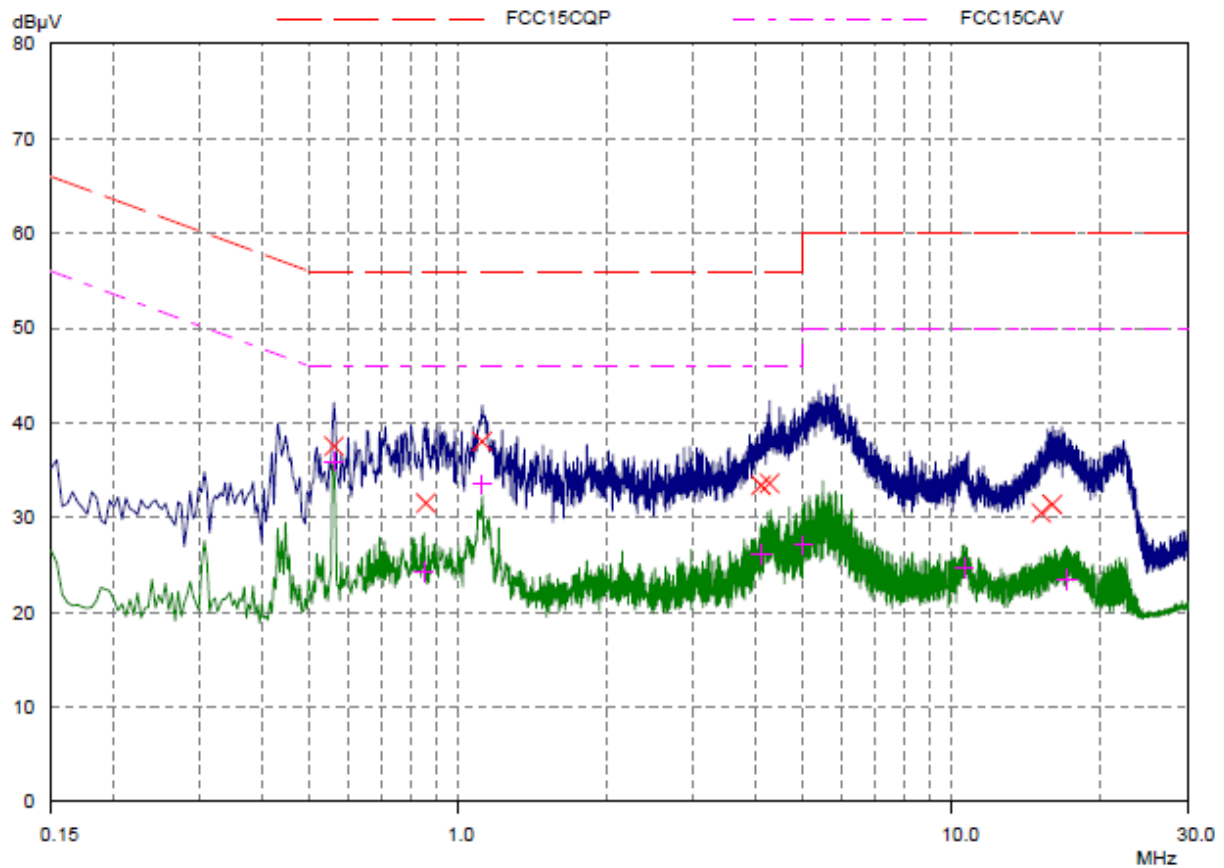
L Line

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.56015	37.54	56.00	18.46	N	gnd
0.86093	31.52	56.00	24.48	N	gnd
1.11875	38.02	56.00	17.98	N	gnd
4.10311	33.40	56.00	22.60	N	gnd
4.275	33.60	56.00	22.40	N	gnd
15.18515	30.48	60.00	29.52	N	gnd
15.98203	31.37	60.00	28.63	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	35.91	46.00	10.09	N	gnd
0.85312	24.29	46.00	21.71	N	gnd
1.11875	33.49	46.00	12.51	N	gnd
4.10703	26.13	46.00	19.87	N	gnd
4.99375	27.07	46.00	18.93	N	gnd
10.5914	24.70	50.00	25.30	N	gnd
17.05625	23.41	50.00	26.59	N	gnd

N Line

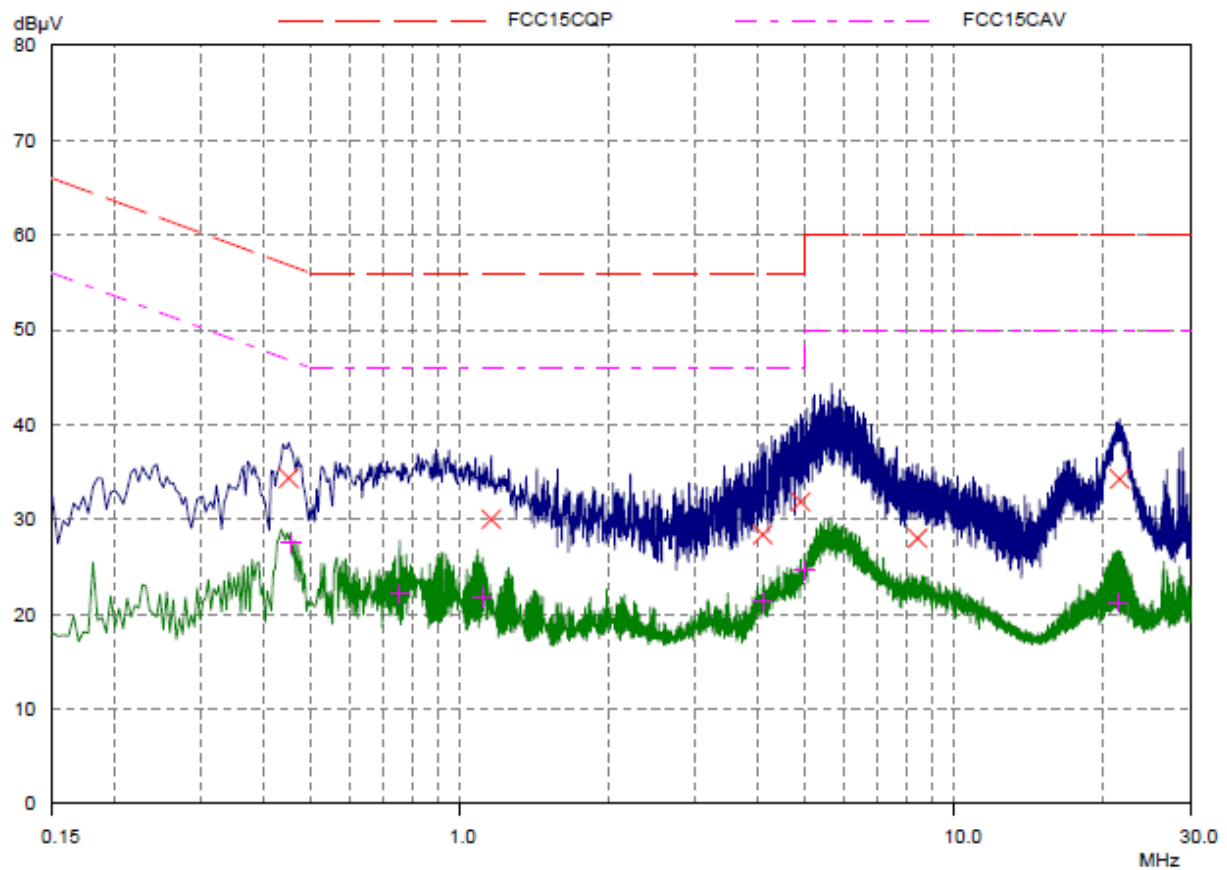
TA Technology (Shanghai) Co., Ltd.

Test Report

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802.11g CH11



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.45078	34.38	56.86	22.50	L1	gnd
1.15781	30.02	56.00	25.98	L1	gnd
4.09921	28.42	56.00	27.58	L1	gnd
4.88828	31.86	56.00	24.14	L1	gnd
8.42734	28.02	60.00	31.98	L1	gnd
21.56406	34.26	60.00	25.74	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.45468	27.53	46.79	19.26	L1	gnd
0.75546	22.16	46.00	23.84	L1	gnd
1.11093	21.84	46.00	24.16	L1	gnd
4.09921	21.28	46.00	24.72	L1	gnd
4.9664	24.61	46.00	21.39	L1	gnd
21.37265	21.26	50.00	28.74	L1	gnd

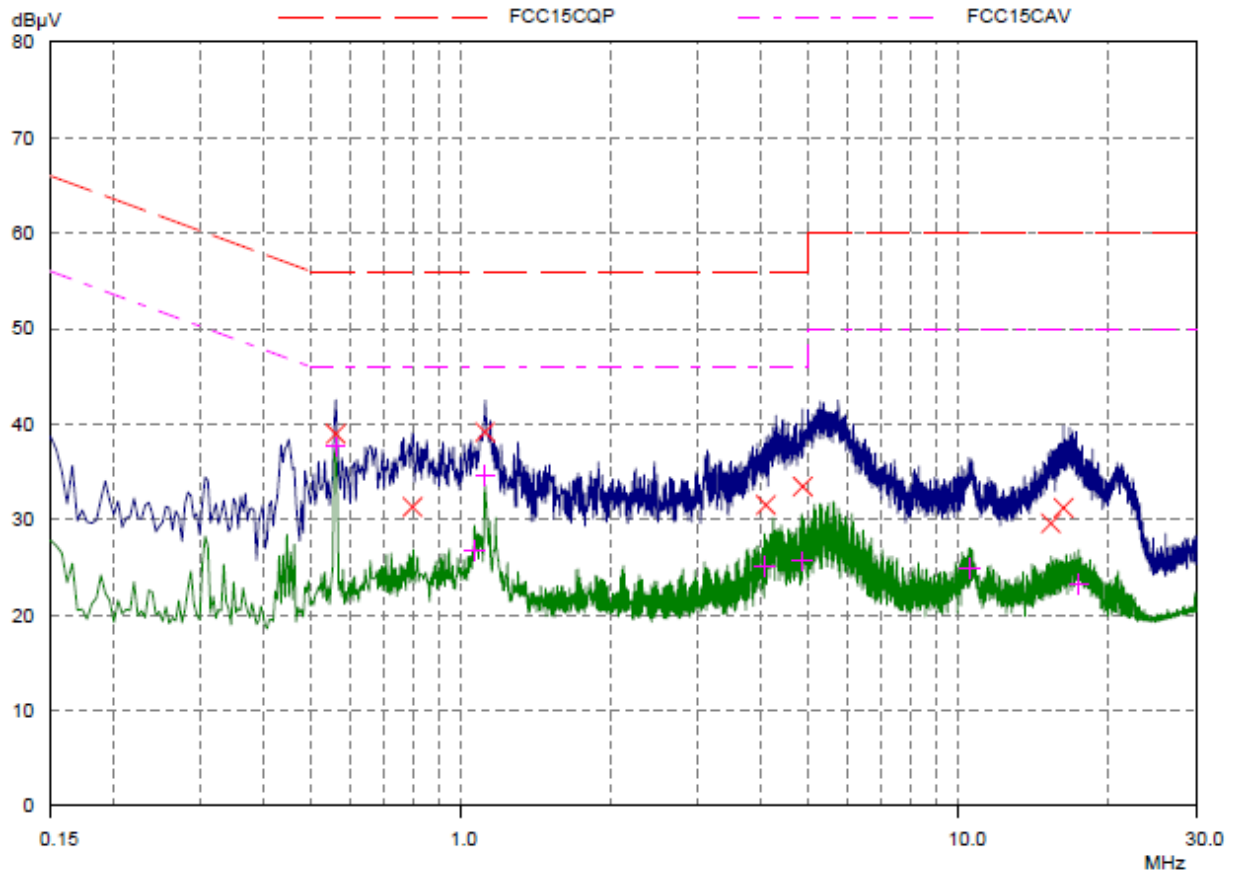
L Line

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.56015	38.98	56.00	17.02	N	gnd
0.79843	31.32	56.00	24.68	N	gnd
1.11875	39.16	56.00	16.84	N	gnd
4.09921	31.52	56.00	24.48	N	gnd
4.85703	33.46	56.00	22.54	N	gnd
15.33359	29.61	60.00	30.39	N	gnd
16.23984	31.24	60.00	28.76	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	37.62	46.00	8.38	N	gnd
1.06406	26.76	46.00	19.24	N	gnd
1.11875	34.66	46.00	11.34	N	gnd
4.07186	25.14	46.00	20.86	N	gnd
4.8375	25.65	46.00	20.35	N	gnd
10.54453	24.85	50.00	25.15	N	gnd
17.43515	23.25	50.00	26.75	N	gnd

N Line

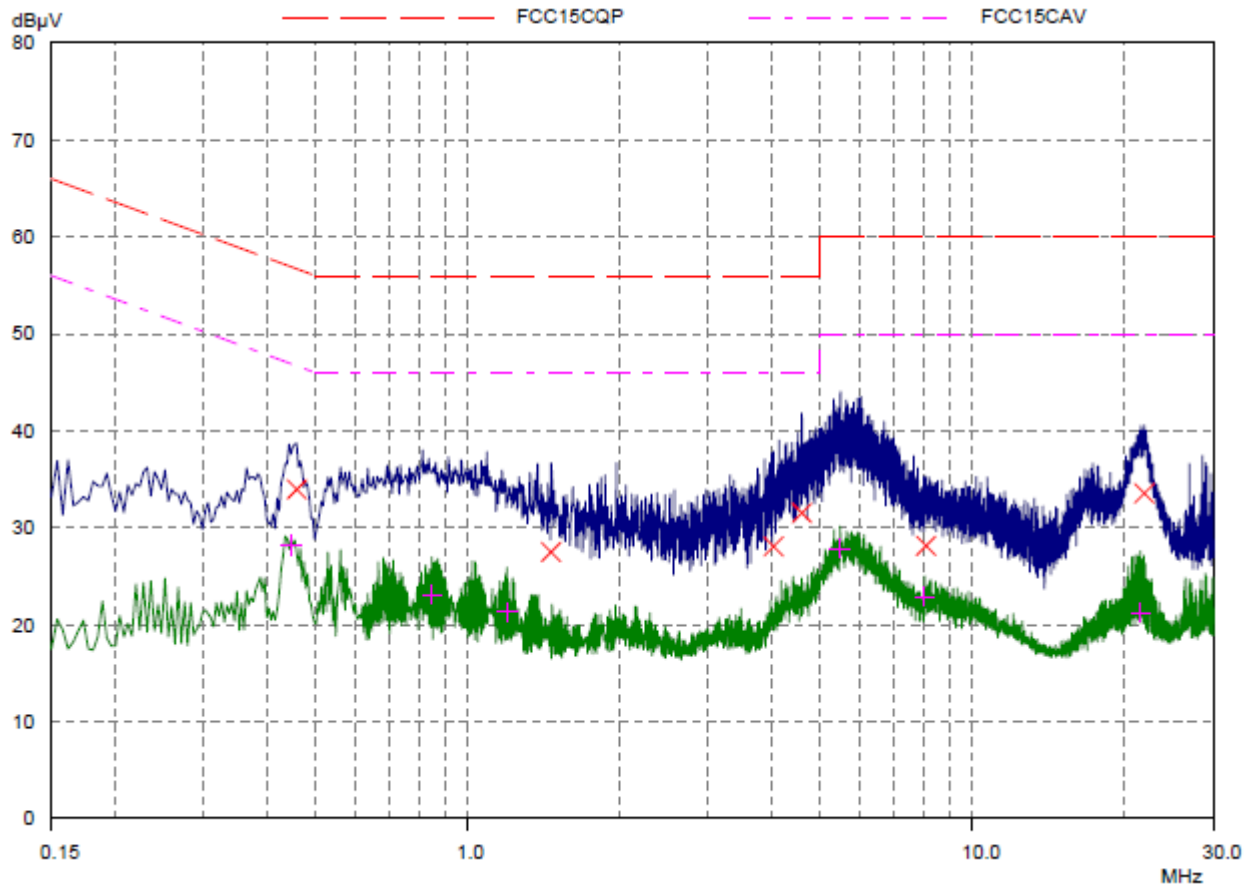
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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.45859	33.96	56.72	22.76	L1	gnd
1.4625	27.50	56.00	28.50	L1	gnd
4.03671	28.06	56.00	27.94	L1	gnd
4.5914	31.54	56.00	24.46	L1	gnd
8.0875	28.16	60.00	31.84	L1	gnd
21.87656	33.55	60.00	26.45	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.44887	28.23	46.93	18.70	L1	gnd
0.84921	23.10	46.00	22.90	L1	gnd
1.19687	21.28	46.00	24.72	L1	gnd
5.4864	27.86	50.00	22.14	L1	gnd
8.04062	22.91	50.00	27.09	L1	gnd
21.50546	21.27	50.00	28.73	L1	gnd

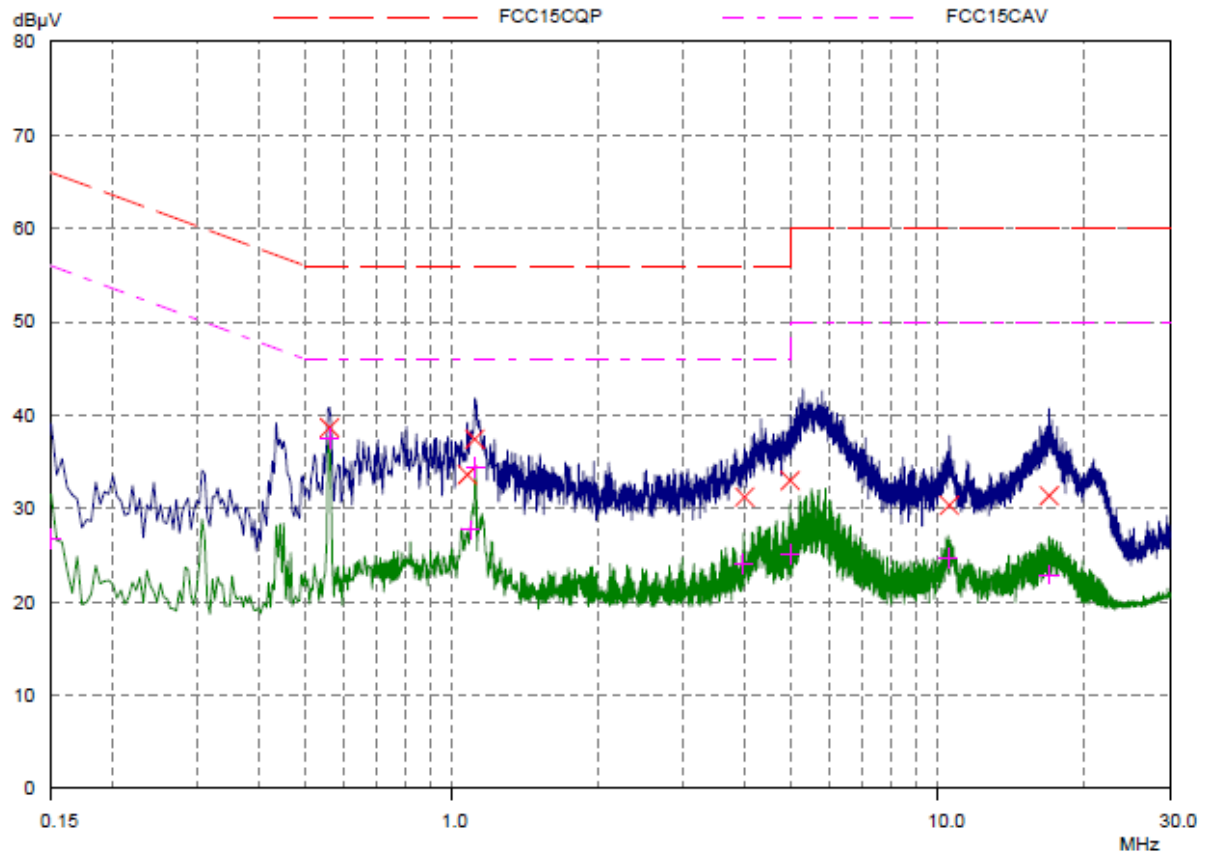
L Line

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.56015	38.66	56.00	17.34	N	gnd
1.07578	33.62	56.00	22.38	N	gnd
1.11484	37.44	56.00	18.56	N	gnd
4.00155	31.24	56.00	24.76	N	gnd
4.9625	33.02	56.00	22.98	N	gnd
10.54062	30.37	60.00	29.63	N	gnd
16.91171	31.37	60.00	28.63	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.15	26.76	56.00	29.24	N	gnd
0.56015	37.55	46.00	8.45	N	gnd
1.0914	27.70	46.00	18.30	N	gnd
1.11875	34.46	46.00	11.54	N	gnd
3.97812	24.04	46.00	21.96	N	gnd
4.95859	25.14	46.00	20.86	N	gnd
10.49375	24.70	50.00	25.30	N	gnd
16.90781	22.93	50.00	27.07	N	gnd

N Line

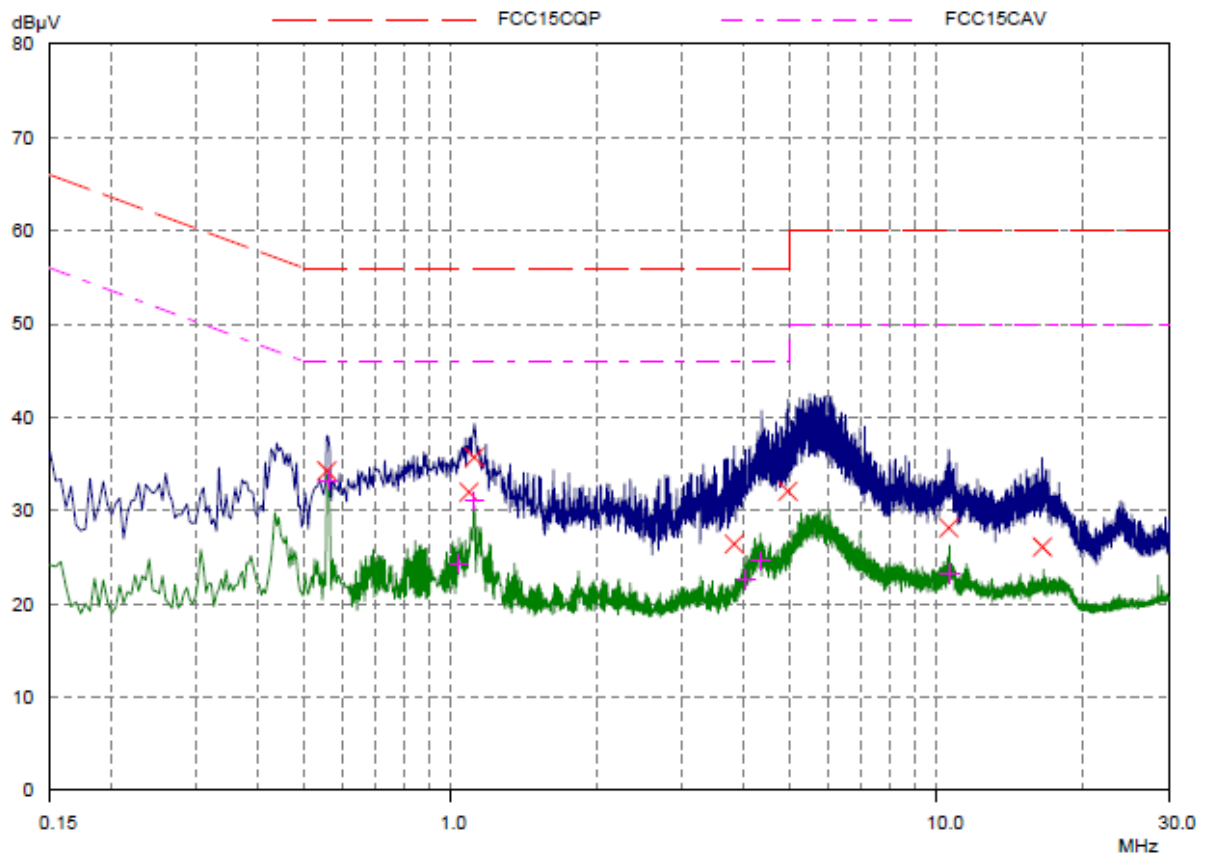
802.11n(HT20) CH6

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.55625	34.26	56.00	21.74	L1	gnd
1.0914	31.98	56.00	24.02	L1	gnd
1.11875	35.70	56.00	20.30	L1	gnd
3.82968	26.42	56.00	29.58	L1	gnd
4.93906	32.06	56.00	23.94	L1	gnd
10.57968	28.17	60.00	31.83	L1	gnd
16.47031	26.12	60.00	33.88	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	33.26	46.00	12.74	L1	gnd
1.04062	24.37	46.00	21.63	L1	gnd
1.11875	31.01	46.00	14.99	L1	gnd
4.05234	22.67	46.00	23.33	L1	gnd
4.33359	24.61	46.00	21.39	L1	gnd
10.61484	23.25	50.00	26.75	L1	gnd

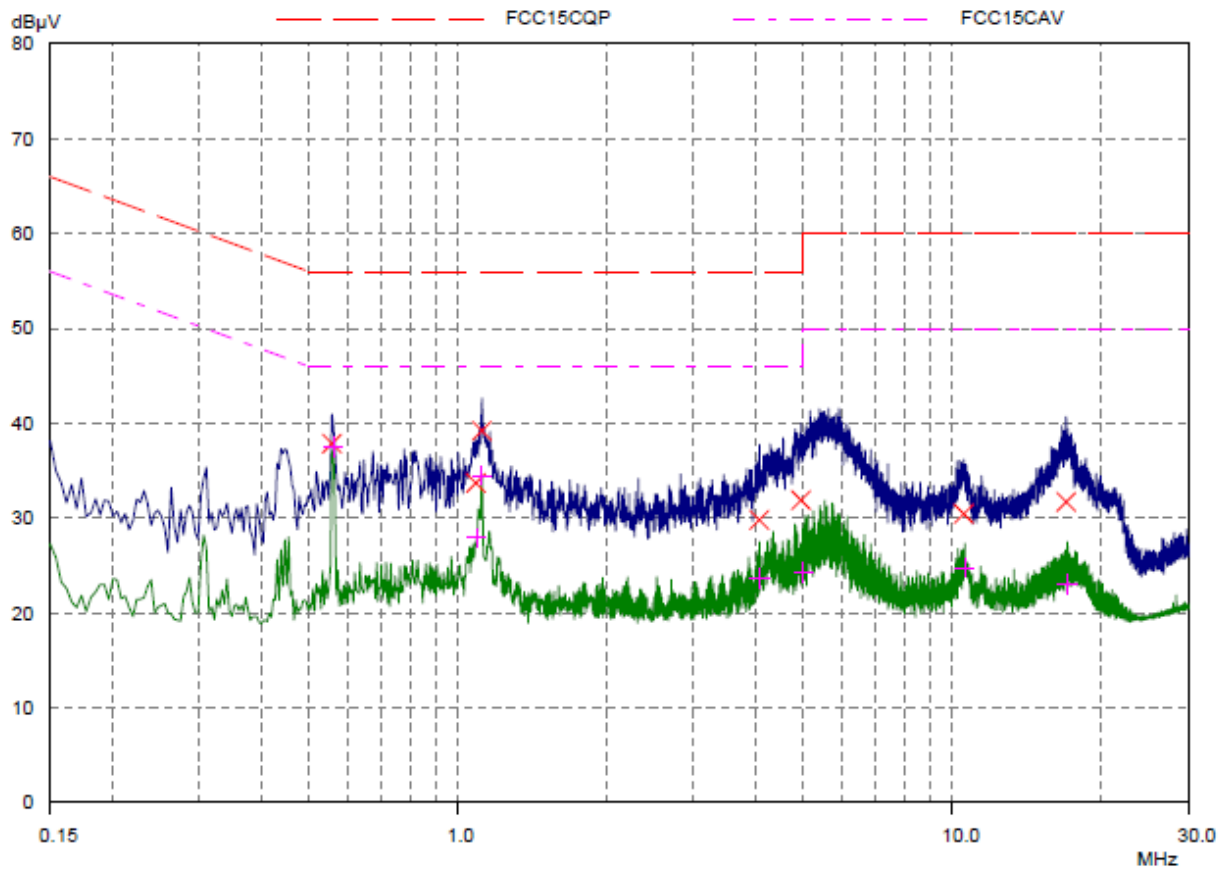
L Line

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.55625	37.86	56.00	18.14	N	gnd
1.0875	33.70	56.00	22.30	N	gnd
1.11875	39.20	56.00	16.80	N	gnd
4.06796	29.82	56.00	26.18	N	gnd
4.94296	31.90	56.00	24.10	N	gnd
10.54843	30.45	60.00	29.55	N	gnd
16.9664	31.71	60.00	28.29	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	37.55	46.00	8.45	N	gnd
1.0914	27.92	46.00	18.08	N	gnd
1.11875	34.51	46.00	11.49	N	gnd
4.06796	23.65	46.00	22.35	N	gnd
4.99765	24.29	46.00	21.71	N	gnd
10.5914	24.77	50.00	25.23	N	gnd
17.07968	23.04	50.00	26.96	N	gnd

N Line

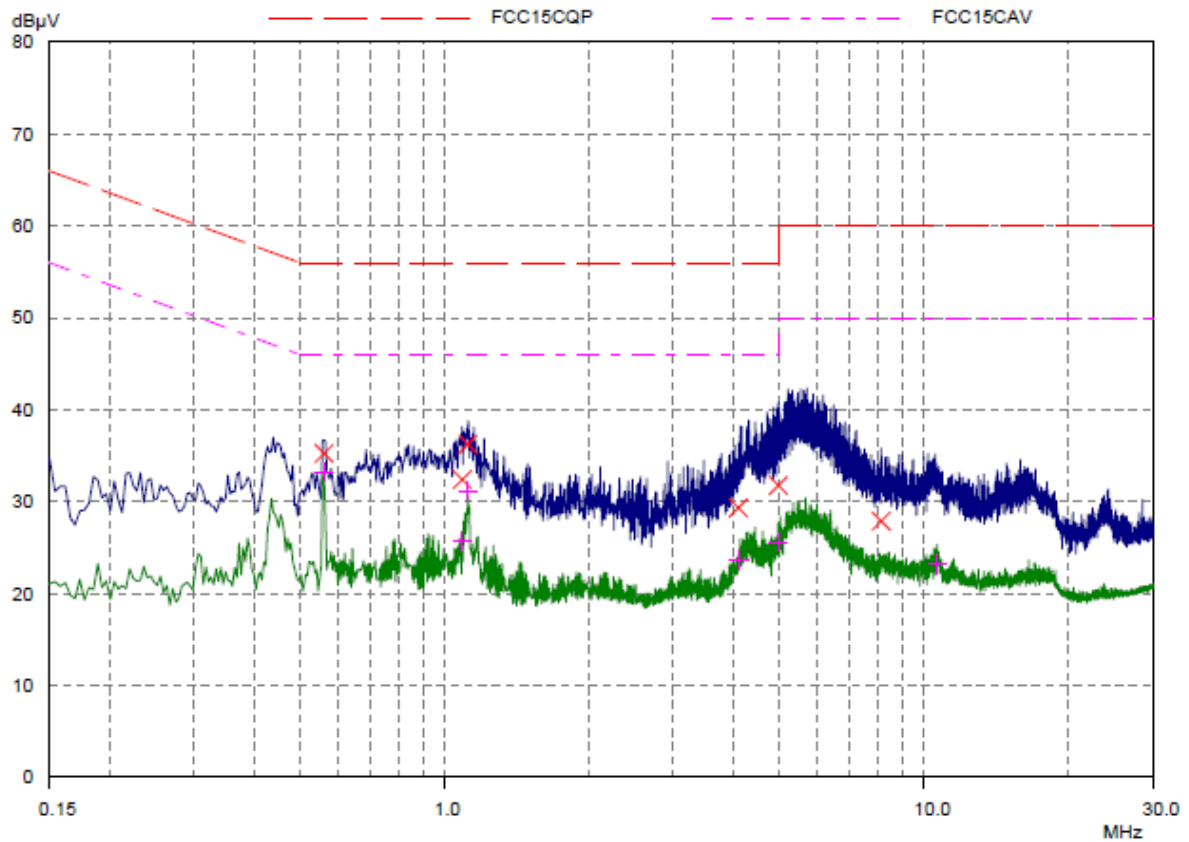
TA Technology (Shanghai) Co., Ltd.

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.56015	35.26	56.00	20.74	L1	gnd
1.0875	32.40	56.00	23.60	L1	gnd
1.11875	36.26	56.00	19.74	L1	gnd
4.09921	29.34	56.00	26.66	L1	gnd
4.9625	31.78	56.00	24.22	L1	gnd
8.13828	27.88	60.00	32.12	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	33.26	46.00	12.74	L1	gnd
1.0875	25.65	46.00	20.35	L1	gnd
1.11875	31.16	46.00	14.84	L1	gnd
4.10703	23.69	46.00	22.31	L1	gnd
4.95859	25.58	46.00	20.42	L1	gnd
10.63828	23.30	50.00	26.70	L1	gnd

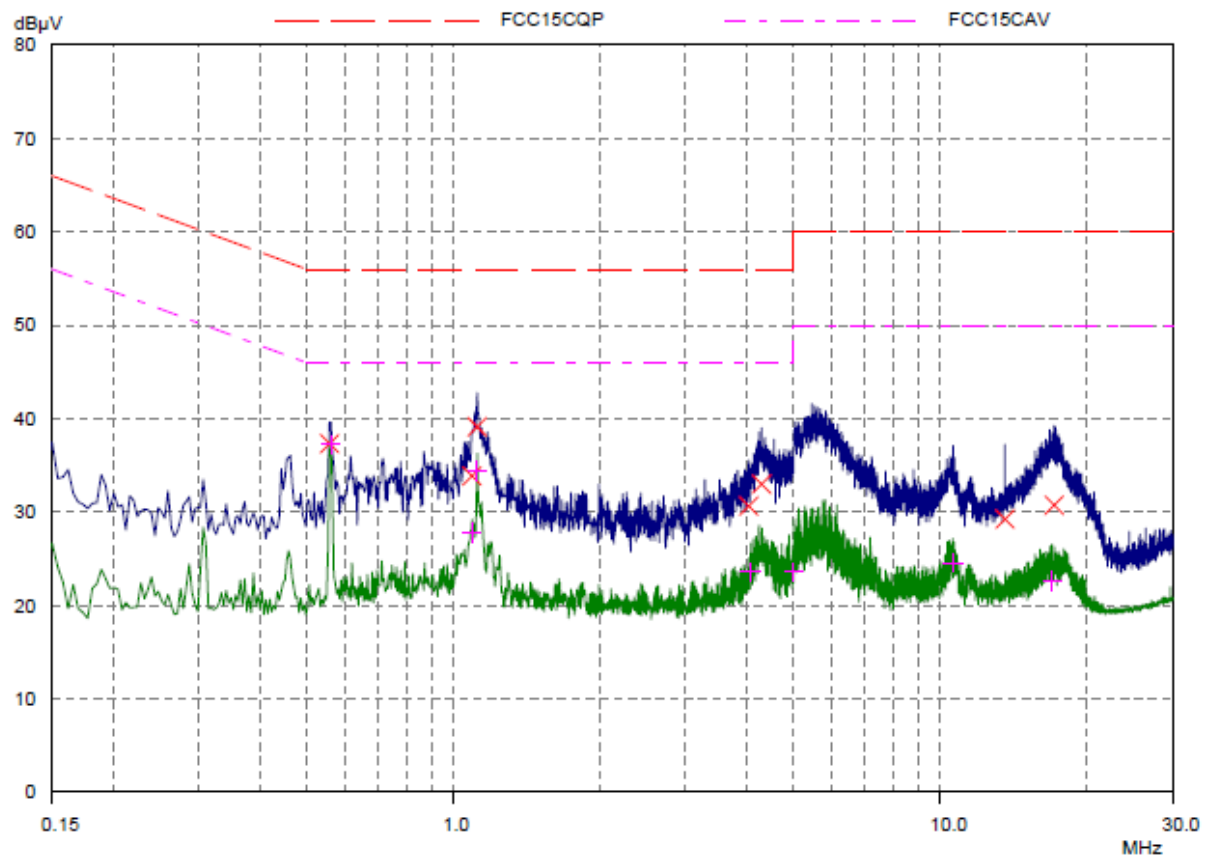
L Line

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.55625	37.32	56.00	18.68	N	gnd
1.0914	33.88	56.00	22.12	N	gnd
1.11875	39.12	56.00	16.88	N	gnd
4.04081	30.64	56.00	25.36	N	gnd
4.29062	32.98	56.00	23.02	N	gnd
13.56015	29.24	60.00	30.76	N	gnd
17.11484	30.74	60.00	29.26	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	37.26	46.00	8.74	N	gnd
1.0914	27.75	46.00	18.25	N	gnd
1.11875	34.41	46.00	11.59	N	gnd
4.07967	23.61	46.00	22.39	N	gnd
4.99765	23.56	46.00	22.44	N	gnd
10.60703	24.54	50.00	25.46	N	gnd
16.9625	22.68	50.00	27.32	N	gnd

N Line

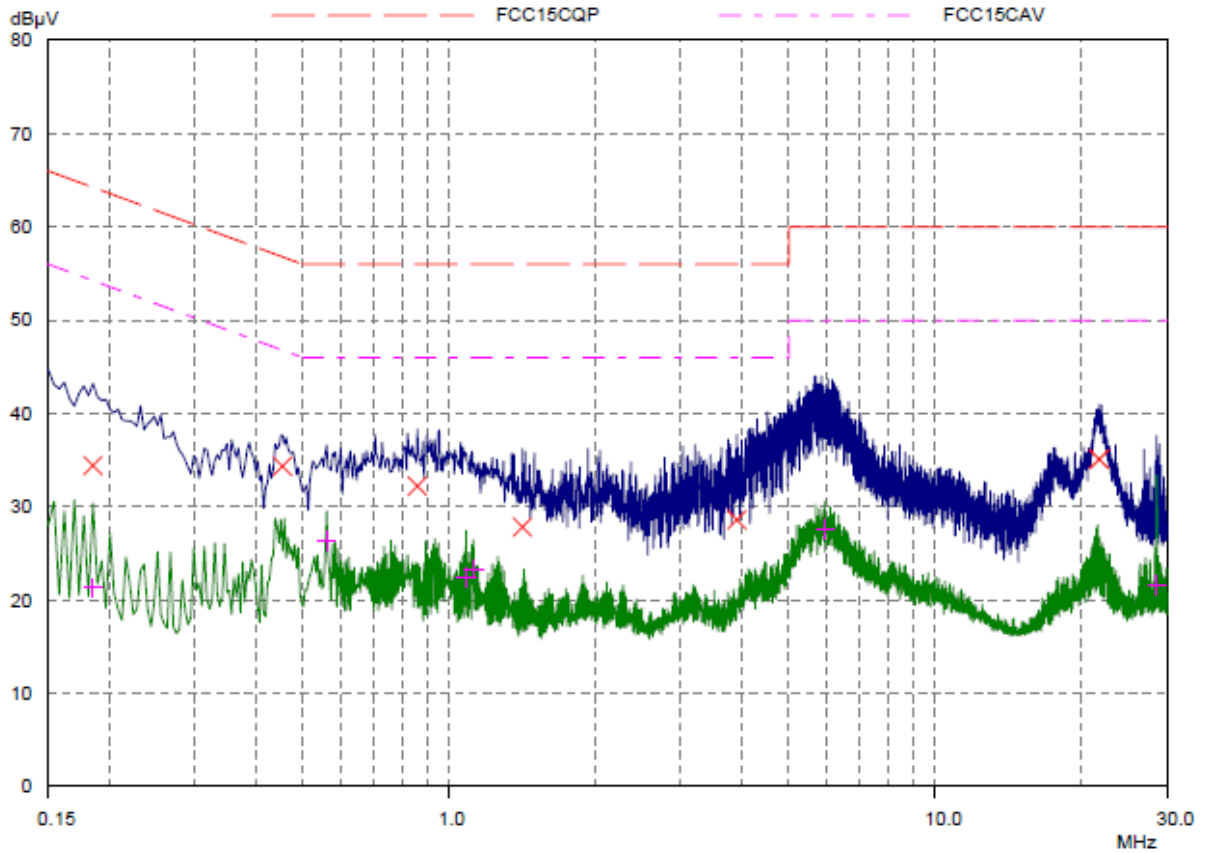
TA Technology (Shanghai) Co., Ltd.

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.18515	34.40	64.25	29.85	L1	gnd
0.45468	34.34	56.79	22.45	L1	gnd
0.86093	32.22	56.00	23.78	L1	gnd
1.41562	27.82	56.00	28.18	L1	gnd
3.90781	28.60	56.00	27.40	L1	gnd
21.73593	35.09	60.00	24.91	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.18515	21.28	54.25	32.97	L1	gnd
0.56015	26.32	46.00	19.68	L1	gnd
1.08359	22.47	46.00	23.53	L1	gnd
1.12265	23.34	46.00	22.66	L1	gnd
5.93906	27.64	50.00	22.36	L1	gnd
28.55234	21.58	50.00	28.42	L1	gnd

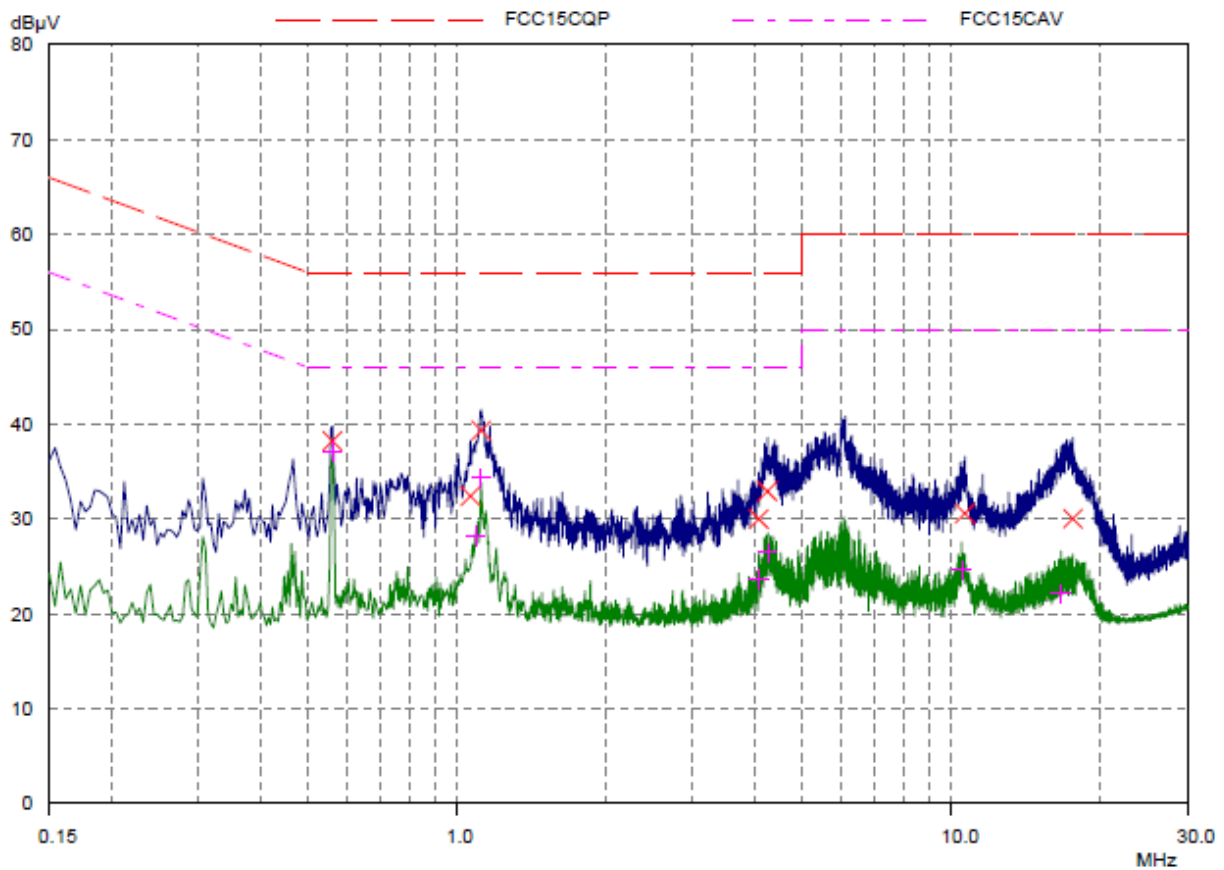
L Line

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.56015	38.24	56.00	17.76	N	gnd
1.06406	32.42	56.00	23.58	N	gnd
1.11875	39.34	56.00	16.66	N	gnd
4.07578	30.00	56.00	26.00	N	gnd
4.24375	32.92	56.00	23.08	N	gnd
10.63437	30.59	60.00	29.41	N	gnd
17.5875	30.05	60.00	29.95	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	37.11	46.00	8.89	N	gnd
1.0914	28.18	46.00	17.82	N	gnd
1.11875	34.36	46.00	11.64	N	gnd
4.08359	23.65	46.00	22.35	N	gnd
4.25156	26.51	46.00	19.49	N	gnd
10.47812	24.62	50.00	25.38	N	gnd
16.63046	22.13	50.00	27.87	N	gnd

N Line

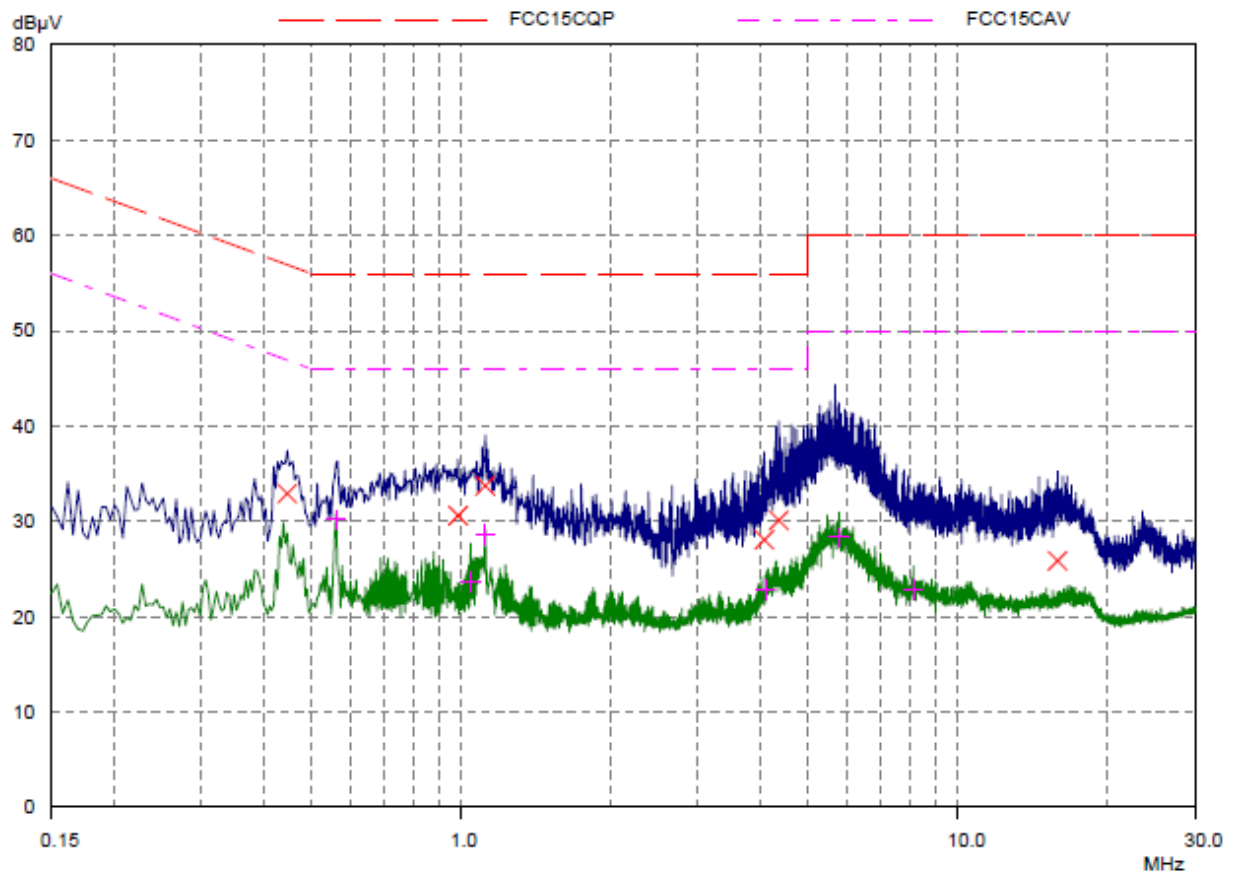
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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.44687	32.92	56.93	24.01	L1	gnd
0.98593	30.62	56.00	25.38	L1	gnd
1.11875	33.74	56.00	22.26	L1	gnd
4.07578	28.06	56.00	27.94	L1	gnd
4.36093	30.12	56.00	25.88	L1	gnd
15.86875	25.88	60.00	34.12	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	30.22	46.00	15.78	L1	gnd
1.04453	23.65	46.00	22.35	L1	gnd
1.11875	28.64	46.00	17.36	L1	gnd
4.0953	22.82	46.00	23.18	L1	gnd
5.75546	28.34	50.00	21.66	L1	gnd
8.13045	22.87	50.00	27.13	L1	gnd

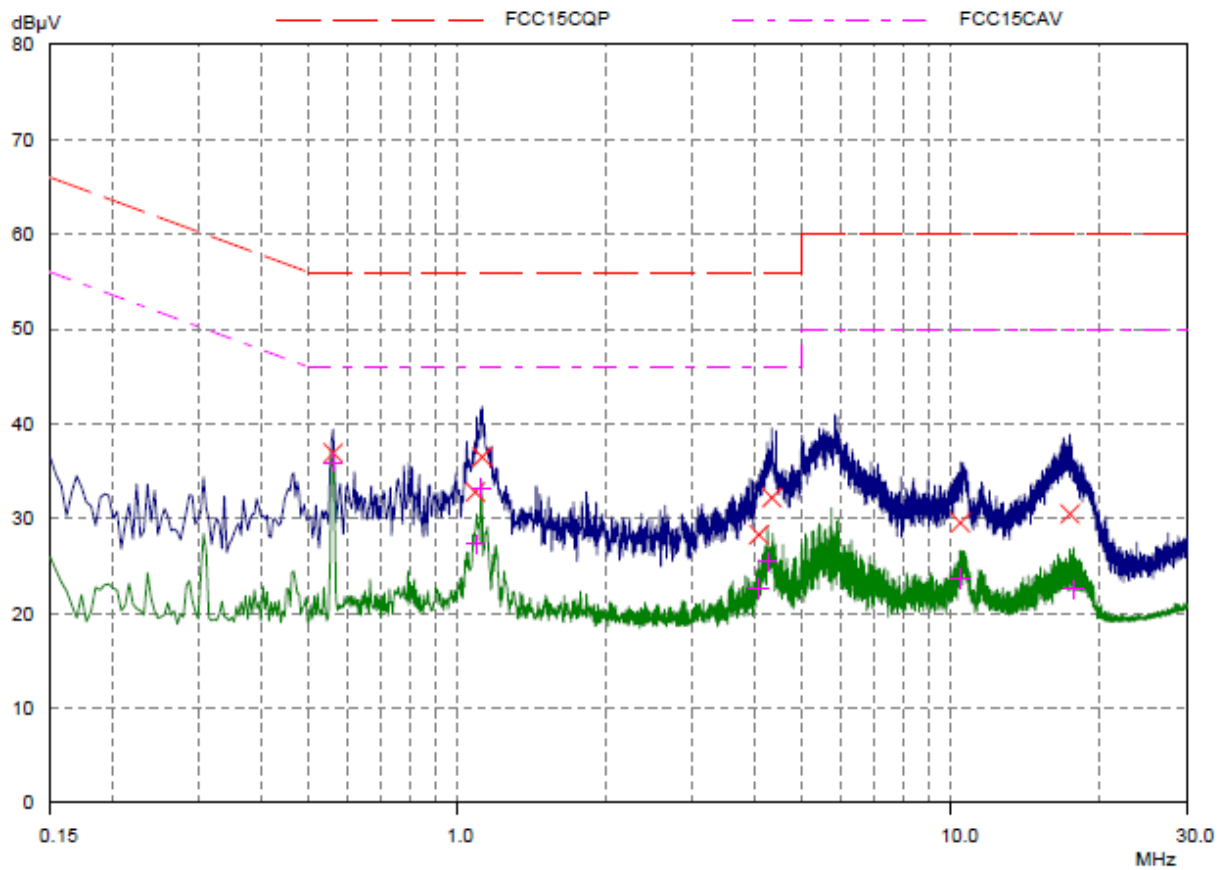
L Line

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.58015	38.92	56.00	19.08	N	gnd
1.0875	32.80	56.00	23.20	N	gnd
1.12265	36.50	56.00	19.50	N	gnd
4.07967	28.30	56.00	27.70	N	gnd
4.33359	32.20	56.00	23.80	N	gnd
10.44296	29.55	60.00	30.45	N	gnd
17.38828	30.48	60.00	29.52	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.58015	35.91	46.00	10.09	N	gnd
1.0914	27.30	46.00	18.70	N	gnd
1.11875	33.26	46.00	12.74	N	gnd
4.07967	22.62	46.00	23.38	N	gnd
4.24765	25.44	46.00	20.56	N	gnd
10.41171	23.70	50.00	26.30	N	gnd
17.7125	22.52	50.00	27.48	N	gnd

N Line

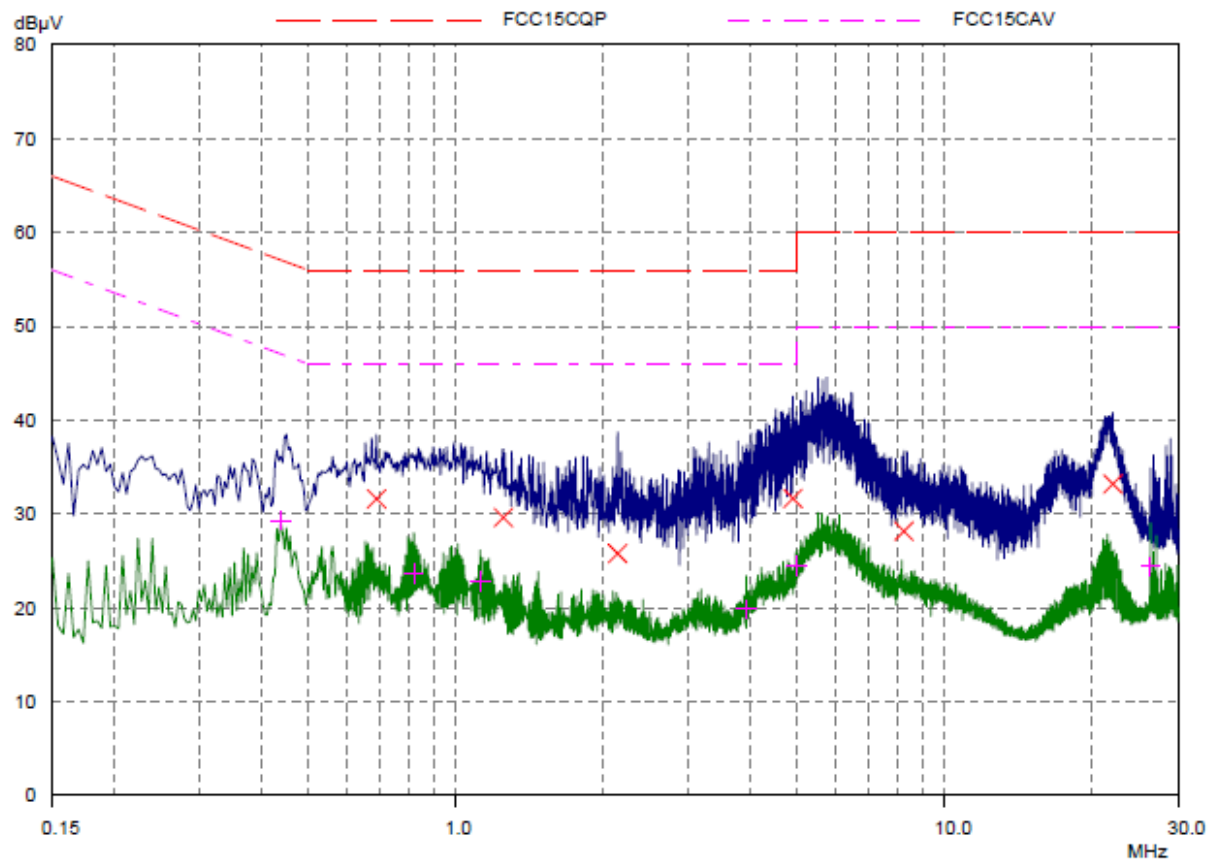
TA Technology (Shanghai) Co., Ltd.

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.68906	31.62	56.00	24.38	L1	gnd
1.25156	29.64	56.00	26.36	L1	gnd
2.14218	25.80	56.00	30.20	L1	gnd
4.89218	31.66	56.00	24.34	L1	gnd
8.25545	28.18	60.00	31.82	L1	gnd
22.04062	33.22	60.00	26.78	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.43906	29.31	47.08	17.77	L1	gnd
0.82187	23.69	46.00	22.31	L1	gnd
1.12265	22.87	46.00	23.13	L1	gnd
3.92734	19.84	46.00	26.16	L1	gnd
4.98593	24.45	46.00	21.55	L1	gnd
26.31015	24.43	50.00	25.57	L1	gnd

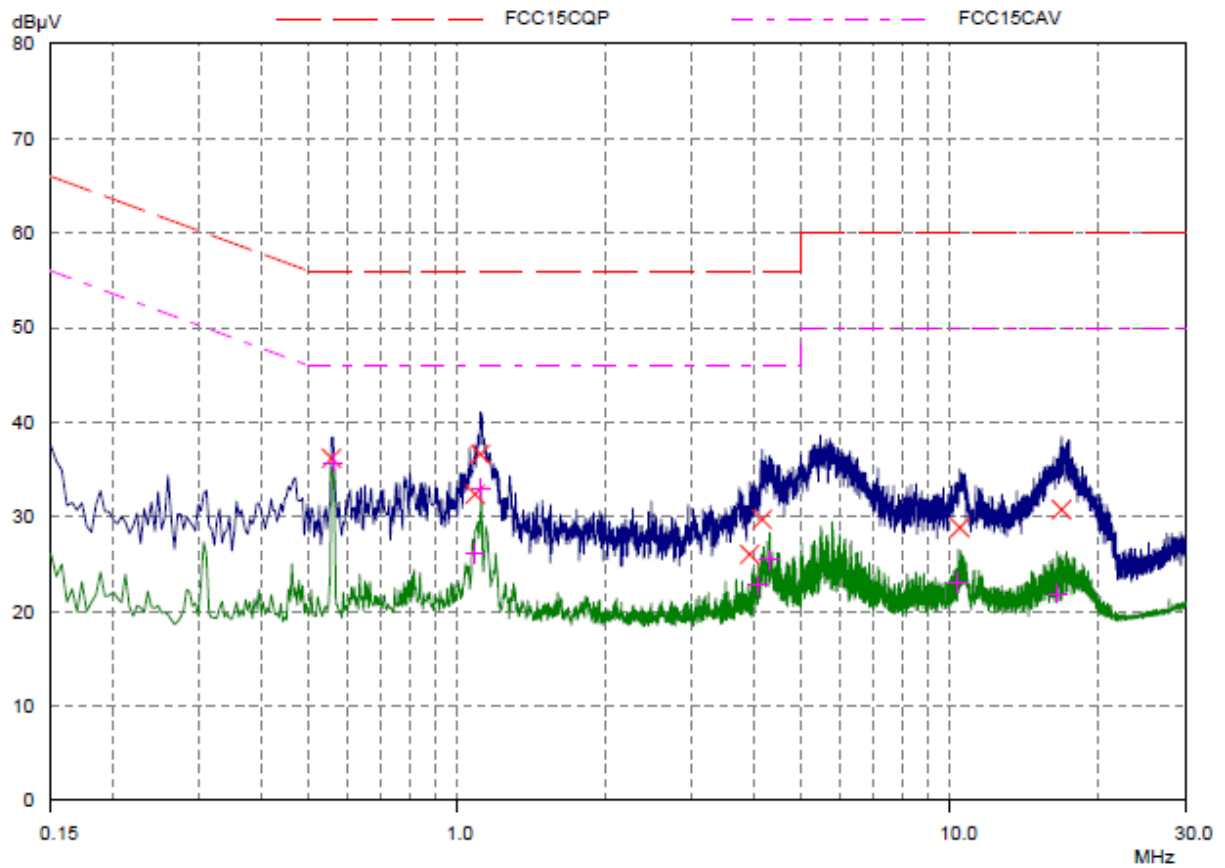
L Line

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Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.55625	36.18	56.00	19.82	N	gnd
1.0875	32.38	56.00	23.62	N	gnd
1.11484	36.62	56.00	19.38	N	gnd
3.91953	26.04	56.00	29.96	N	gnd
4.1578	29.74	56.00	26.26	N	gnd
10.45859	28.85	60.00	31.15	N	gnd
16.82187	30.76	60.00	29.24	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.56015	35.73	46.00	10.27	N	gnd
1.0875	26.13	46.00	19.87	N	gnd
1.11875	32.91	46.00	13.09	N	gnd
4.08359	22.77	46.00	23.23	N	gnd
4.30625	25.44	46.00	20.56	N	gnd
10.37265	23.02	50.00	26.98	N	gnd
16.50937	21.90	50.00	28.10	N	gnd

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2. Main Test Instruments

No.	Name	Type	Manufacturer	Serial Number	Calibration Date	Expiration Time	Valid Period
01	Loop Antenna	FMZB1519	SCHWARZBECK	1519-047	2014-02-29	2017-02-28	3 years
02	EMI Test Receiver	ESCI	R&S	100948	2015-05-25	2016-05-24	1 year
03	TRILOG Broadband Antenna	VULB 9163	Schwarzbeck	9163-201	2013-11-25	2016-11-24	3 years
04	Double Ridged Waveguide Horn Antenna	HF907	R&S	100126	2015-07-01	2018-06-30	3 years
05	Spectrum Analyzer	N9010A	Agilent	MY46181146	2015-05-25	2016-05-24	1 year
06	Spectrum Analyzer	FSV30	R&S	100815	2014-12-17	2015-12-16	1 year
07	Standard Gain Horn	3160-09	ETS-Lindgren	00102644	2015-05-19	2018-05-18	3 years
08	RF Cable	SMA 15cm	Agilent	0001	2015-10-04	2015-12-03	2 months

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