Microtest
微测检测

Test Report

FCC ID: 2ALVU-55KVW

Date of issue: May 03, 2017

Sample Description:	IP Camera
Model(s):	NIP-55KVW4A2Z0R1
Applicant:	Shenzhen NEO Electronics Co ., Ltd
Address:	East 6/F, Building 2,Laobing Industrial Park, Baoan District, Shenzhen, China
Date of Test:	Apr. 15, 2017 to May 03, 2017

Shenzhen Microtest Co., Ltd.
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Test Result Certification	
Applicant's name:	**Shenzhen NEO Electronics Co ., Ltd**
Address:	East 6/F, Building 2,Laobing Industrial Park, Baoan District, Shenzhen, China
Manufacture's Name:	**Shenzhen NEO Electronics Co ., Ltd**
Address:	East 6/F, Building 2,Laobing Industrial Park, Baoan District, Shenzhen, China
Product name:	IP Camera
Trademark:	N/A
Model name:	NIP-55KVW4A2Z0R1
Standards:	FCC Part 15.247
Test Procedure:	ANSI C63.10-2013 558074 D01 DTS Meas Guidance v03r05

This device described above has been tested by Shenzhen Toby Technology Co., Ltd. and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

Tested by: Sangdi Huang

Sangdi Huang May 03, 2017

Reviewed by: Leon Chen

Leon Chen May 03, 2017

Approved by: Tom Xue

Tom Xue May 03, 2017

Summary of Test Result

Item	FCC Part No.	Description of Test	Result
1	15.203	Antenna requirement	Pass
2	15.207	AC power line conducted emission	Pass
3	15.247(b)(3)	Maximum output power	Pass
4	15.247(a)(2)	6dB emission bandwidth	Pass
5	15.247(e)	Power spectral density (PSD)	Pass
8	15.247(d)	Band edge & conducted spurious emission	Pass
9	15.247(d), 15.205, 15.209	Radiated emission	Pass

1 General description

1.1 Feature of equipment under test (EUT)

Product name:	IP Camera
Model name:	NIP-55KVW4A2Z0R1
Operating frequency range:	802.11b/g/n20:2412MHz~2462MHz, 802.11n40:2422MHz-2452MHz
WIFI feature:	☒802.11b ☒802.11g ☒802.11n20 ☒802.11n40
Modulation type:	DSSS, OFDM
Power source:	DC 5V from adapter
Adapter information:	Model: A061-0501000UB INPUT:AC100-240V, 50-60Hz, 0.3A OUTPUT:5V-1000mA
Antenna designation:	PIFA antenna (Antenna Gain: 2dBi)

1.2 Operation channel list

Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	6	2437MHz	11	2462MHz
2	2417MHz	7	2442MHz	--	--
3	2422MHz	8	2447MHz	--	--
4	2427MHz	9	2452MHz	---	---
5	2432MHz	10	2457MHz	---	---

1.3 Test frequency channel

Channel	802.11b/g/n20	802.11n40
Low	2412MHz	2422MHz
Middle	2437MHz	2437MHz
High	2462MHz	2452MHz

1.4 EUT operation mode

During testing, RF test program provided by the manufacture to control the Tx operation followed the test requirement. The EUT is configured to transmit continuously (duty cycle > 98 %) at the maximum power control level.

1.5 Test conditions

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 20ºC~30ºC
- Humidity: 30%~70%
- Atmospheric pressure: 98kPa~101kPa

1.6 Testing site

Test Site	Shenzhen Toby Technology Co., Ltd.
Test Site Location	1 A/F., Bldg.6, Yusheng Industrial Zone The National Road No.107 Xixiang Section 467, Shenzhen, Guangdong, China
FCC Registration No.:	811562
CNAS Registration No.:	CNAS L5813

1.7 Ancillary equipment list

Equipment	Model	S/N	Manufacturer	Certificate type
/	/	/	/	/

1.8 Measurement uncertainty

Measurement Uncertainty for a Level of Confidence of 95 %, U=2xUc(y)

RF frequency	1 x 10-7
RF power, conducted	± 1 dB
Conducted emission(150kHz~30MHz)	± 2.5 dB
Radiated emission(30MHz~1GHz)	± 4.2 dB
Radiated emission (above 1GHz)	± 4.3 dB
Temperature	±1 degree
Humidity	± 5 %

2 List of test equipment

For AC power line conducted emission:

Equipment	Manufacturer	Model	Serial No.	Calibration Due
LISN	R&S	ENV216	101313	2017.12.06
LISN	SCHWARZBECK	NNLK 8129	8129245	2017.12.25
Pulse Limiter	SCHWARZBECK	VTSD 9561F	9716	2017.12.25
Test Cable	N/A	N/A	C01	2017.12.06
EMI Test Receiver	R&S	ESCI	101160	2017.12.06

For Radiated emission:

Equipment	Manufacturer	Model	Serial No.	Calibration Due
Log-Bicon Antenna	MESS-ELEKTRONIK	VULB 9160	3058	2017.12.11
Horn Antenna	Schwarzbeck	BBHA 9120D	631	2017.12.05
Horn Antenna	Schwarzbeck	BBHA 9170	373	2017.12.05
Test Cable	United Microwave	57793	1m	2017.12.05
Test Cable	United Microwave	A30A30-5006	10m	2017.12.05
Microwave Pre_amplifier	Agilent	8449B	3008A01714	2017.12.05
Pre-Amplifier	Anritsu	MH648A	M09961	2017.12.05
EMI Test Receiver	R&S	ESPI-7	101318	2017.12.05
Spectrum analyzer	Agient	E4470B	MY41441082	2017.06.01

For RF conducted emission:

Equipment	Manufacturer	Model	Serial No.	Calibration Due
Spectrum analyzer	Agilent	N9020A	MY49100060	2018.03.03
Power meter	Anritsu	ML2495A	1005002	2017.09.11
Power Senor	Anritsu	MA2411B	0917070	2017.09.11

Note: the calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

3 Test Result

3.1 Conducted emission

3.1.1 Limit

Frequency (MHz)	Limit	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Note: Decreases with the logarithm of the frequency from 0.15MHz to 0.5MHz.

3.1.2 Test method

1. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.

2. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

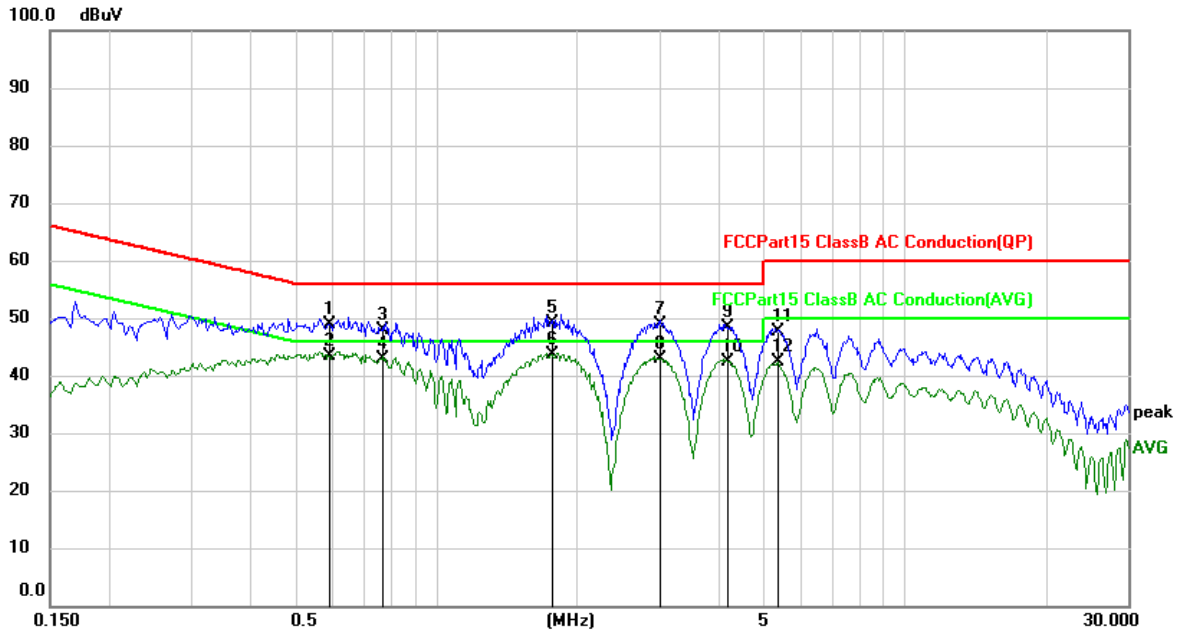
3. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

4. LISN is at least 80 cm from nearest part of EUT chassis.

5. The resolution bandwidth of EMI test receiver is set at 9 kHz.

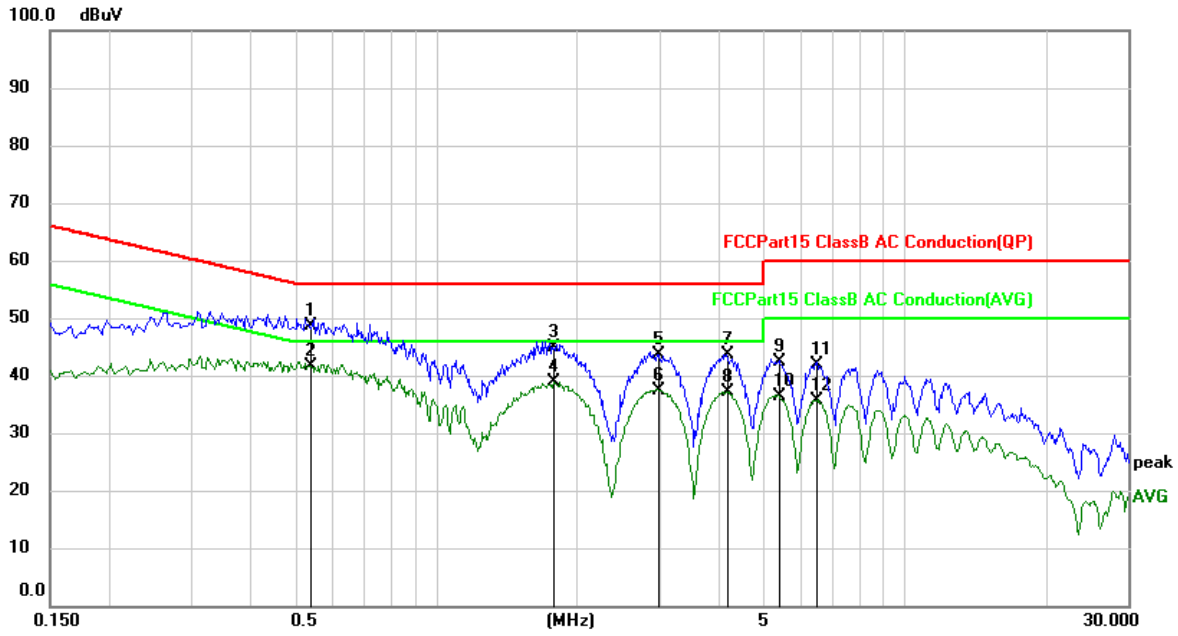
3.1.3 Test Result

Temperature:	24℃	Relative	51%
Pressure:	101kPa	Polarization:	L
Test voltage:	AC 120V/60Hz	Test mode:	Transmitting



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.5899	48.88	-0.03	48.85	56.00	-7.15	QP	
2		0.5899	43.31	-0.03	43.28	46.00	-2.72	AVG	
3		0.7660	48.03	-0.03	48.00	56.00	-8.00	QP	
4		0.7660	42.98	-0.03	42.95	46.00	-3.05	AVG	
5		1.7700	49.19	-0.05	49.14	56.00	-6.86	QP	
6	*	1.7700	43.80	-0.05	43.75	46.00	-2.25	AVG	
7		2.9980	48.82	-0.04	48.78	56.00	-7.22	QP	
8		2.9980	42.85	-0.04	42.81	46.00	-3.19	AVG	
9		4.1740	48.39	-0.05	48.34	56.00	-7.66	QP	
10		4.1740	42.48	-0.05	42.43	46.00	-3.57	AVG	
11		5.3340	47.62	-0.06	47.56	60.00	-12.44	QP	
12		5.3340	42.32	-0.06	42.26	50.00	-7.74	AVG	

Temperature:	24℃	Relative	51%
Pressure:	101kPa	Polarization:	N
Test voltage:	AC 120V/60Hz	Test mode:	Transmitting



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.5380	48.60	-0.03	48.57	56.00	-7.43	QP	
2	*	0.5380	41.64	-0.03	41.61	46.00	-4.39	AVG	
3		1.7780	45.02	-0.05	44.97	56.00	-11.03	QP	
4		1.7780	39.02	-0.05	38.97	46.00	-7.03	AVG	
5		2.9700	43.60	-0.04	43.56	56.00	-12.44	QP	
6		2.9700	37.33	-0.04	37.29	46.00	-8.71	AVG	
7		4.1779	43.60	-0.05	43.55	56.00	-12.45	QP	
8		4.1779	37.10	-0.05	37.05	46.00	-8.95	AVG	
9		5.3859	42.55	-0.06	42.49	60.00	-17.51	QP	
10		5.3859	36.42	-0.06	36.36	50.00	-13.64	AVG	
11		6.4818	42.01	-0.05	41.96	60.00	-18.04	QP	
12		6.4818	35.79	-0.05	35.74	50.00	-14.26	AVG	

3.2 Antenna requirement

3.2.1 Requirement defined in FCC 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.2.2 EUT antenna description

The WIFI antenna of EUT is PIFA antenna, the maximum gain of the PIFA antenna is 2dBi, So the antennas meets the requirement of this part.

3.3 Maximum output power

3.3.1 Limits

Conducted output power limit is 1W (30dBm).

3.3.2 Test Method

The maximum conducted output power may be measured using a broadband RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

3.3.3 Test Result

Frequency (MHz)	Maximum peak output power (dBm)	Limit (dBm)
802.11b		
2412	15.86	30
2437	15.58	
2462	15.94	
802.11g		
2412	15.34	30
2437	15.64	
2462	15.61	
802.11n20		
2412	15.79	30
2437	16.09	
2462	16.26	
802.11n40		
2422	15.51	30
2437	15.58	
2452	15.77	

3.4 6dB emission bandwidth

3.4.1 Limits

The minimum 6 dB bandwidth shall be at least 500 kHz.

3.4.2 Test method

Use the following spectrum analyzer settings:

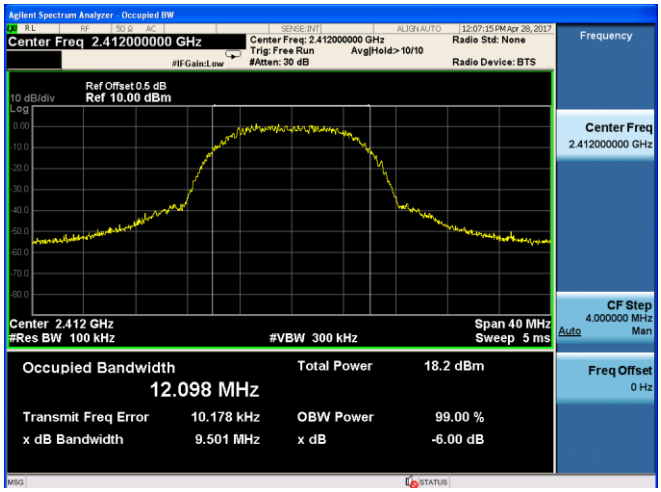
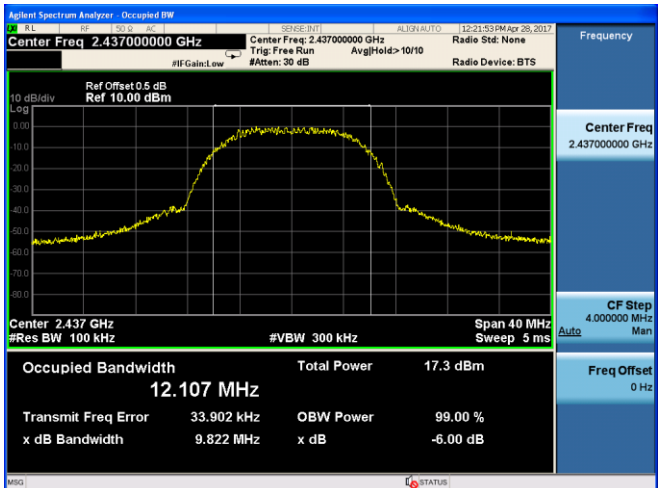
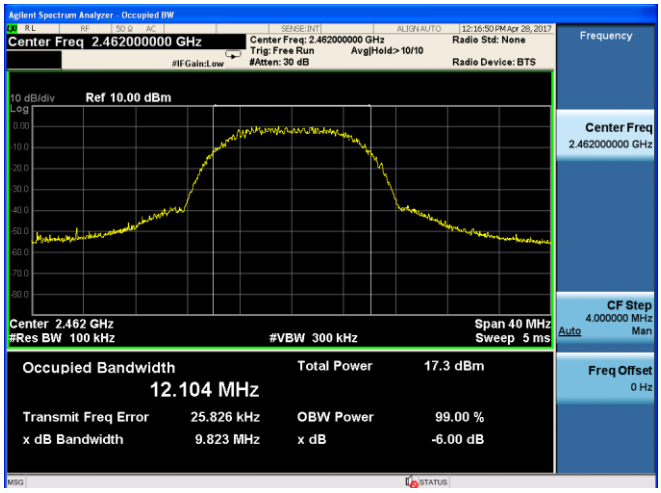
RBW = 100kHz
VBW ≥ 3RBW
Detector = peak
Trace mode = max hold
Sweep time = auto couple
Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.4.3 Test result

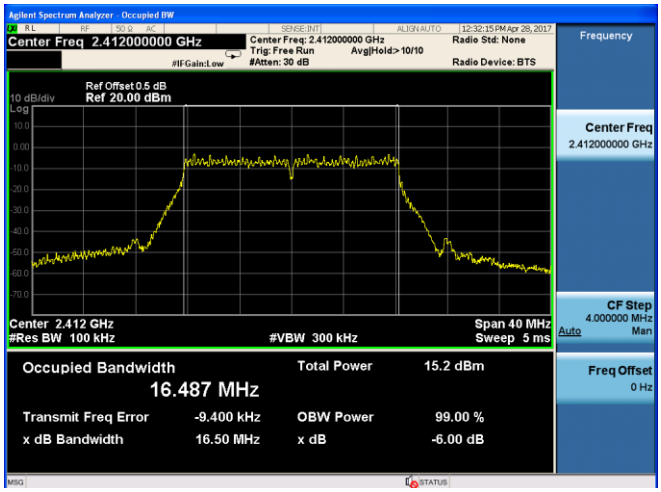
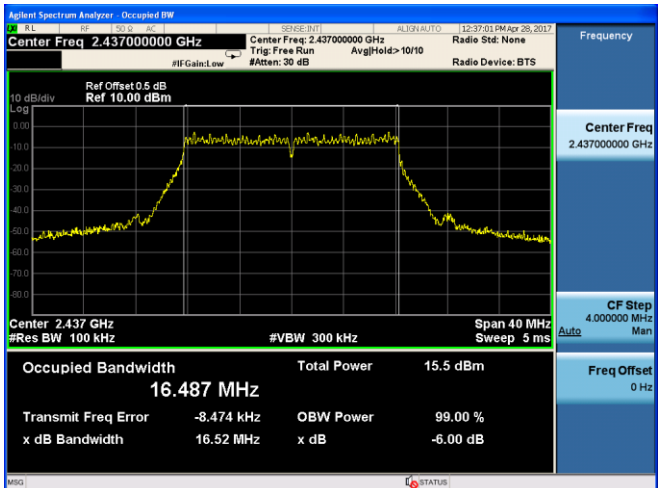
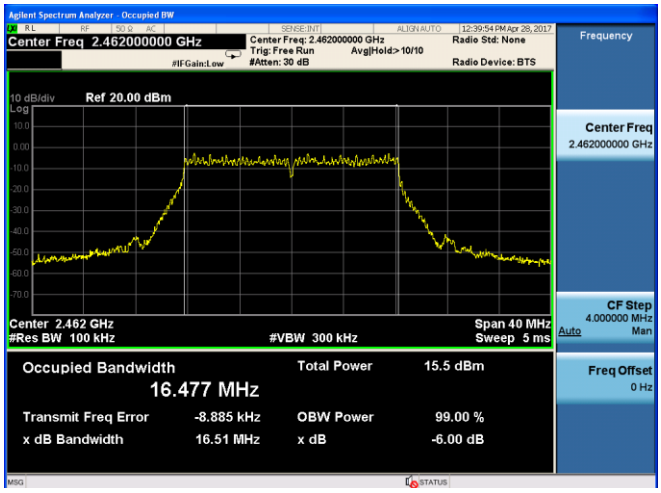
Frequency (MHz)	6dB emission bandwidth (MHz)	Limit
802.11b		
2412	9.501	500kHz
2437	9.822	
2462	9.823	
802.11g		
2412	16.50	500kHz
2437	16.52	
2462	16.51	
802.11n20		
2412	17.66	500kHz
2437	17.67	
2462	17.66	
802.11n40		
2422	36.45	500kHz
2437	36.46	
2452	36.42	

See the test plots on the next pages:

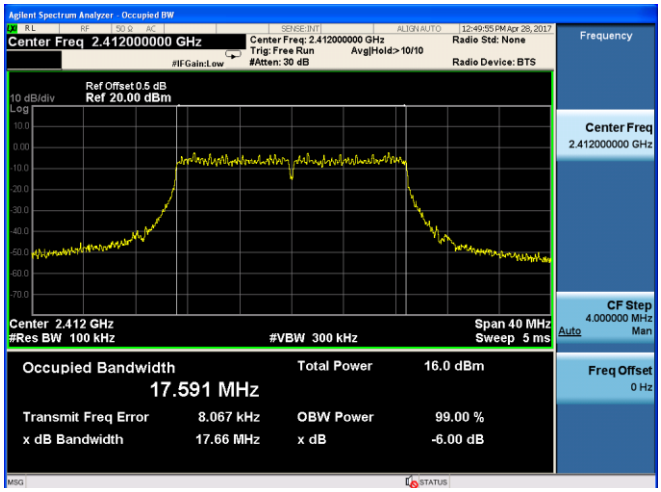
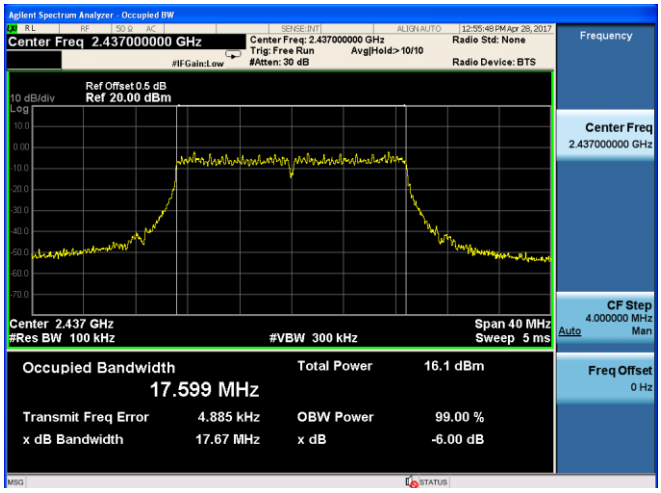
802.11b mode

2412MHz

2437MH

2462MHz


802.11g mode

2412MHz

2437MHz

2462MHz


802.11n20 mode

2412MHz

2437MHz

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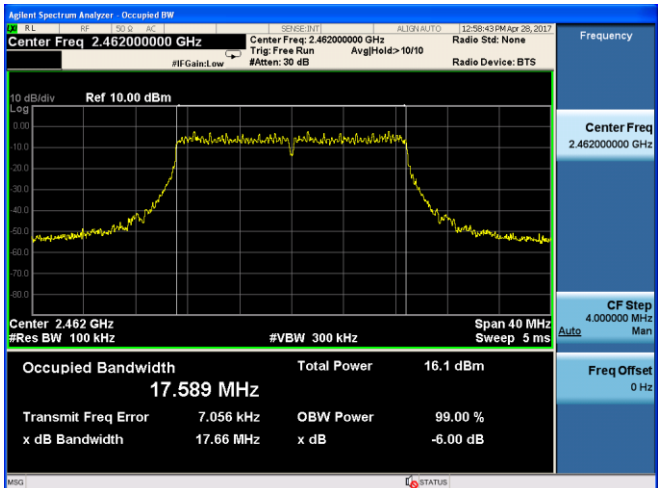
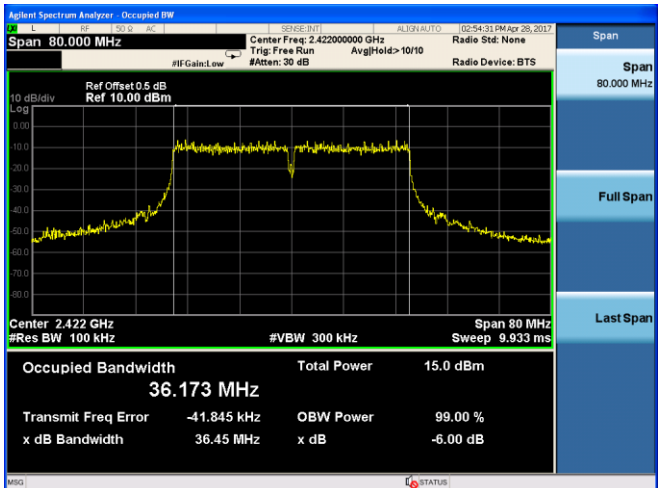
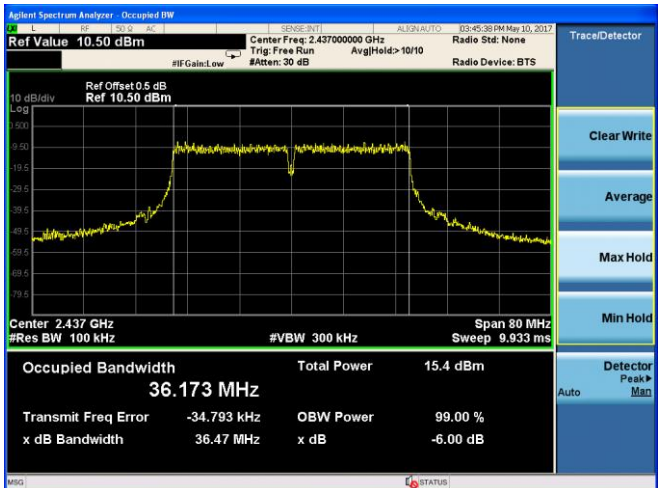
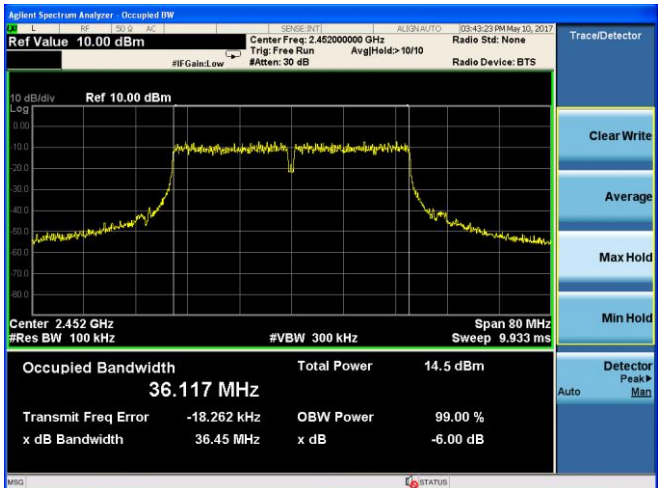


802.11n40 mode

2422MHz

2437MHz

2452MHz


3.5 Power spectral density

3.5.1 Limits

The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

3.5.2 Test method

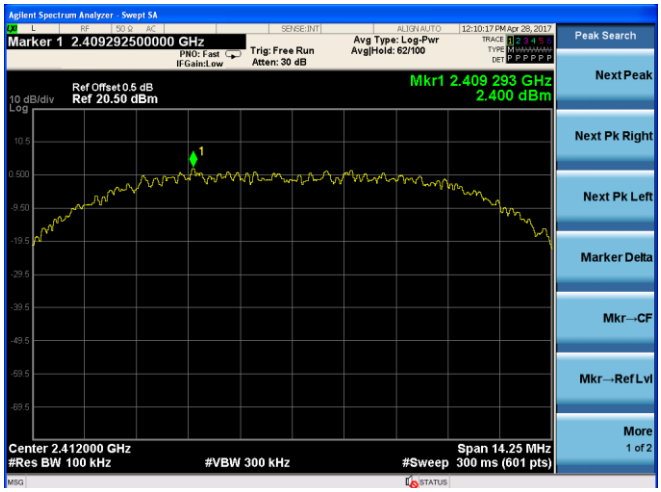
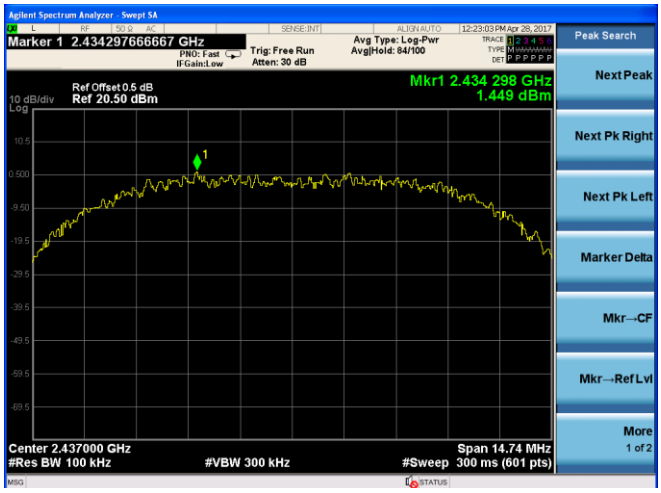
Span = 1.5 times DTS bandwidth (6dB emission bandwidth, see section 4.4)
RBW = 3kHz to 100kHz
VBW ≥ 3RBW
Detector = Peak
Sweep time = auto
Trace mode = max hold
Allow the trace to stabilize. Use the peak marker function to determine the maximum amplitude level within the RBW.

3.5.3 Test result

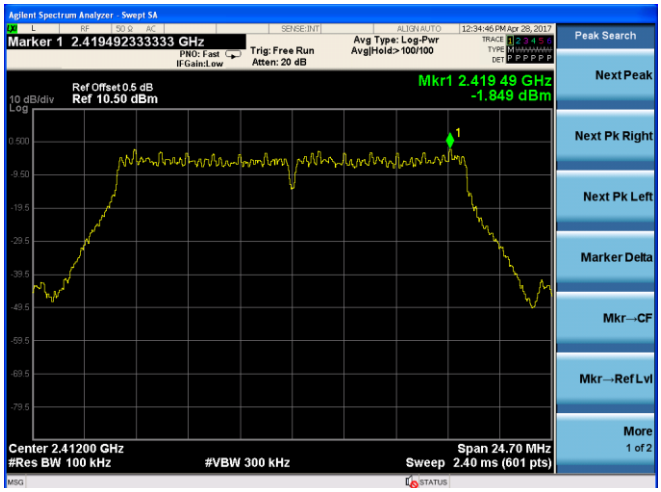
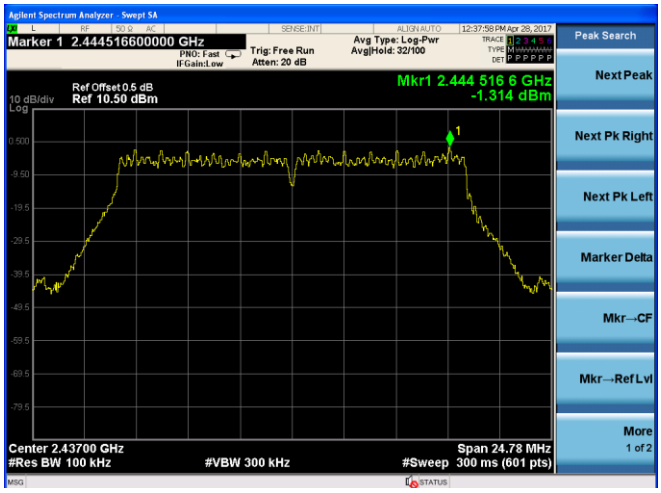
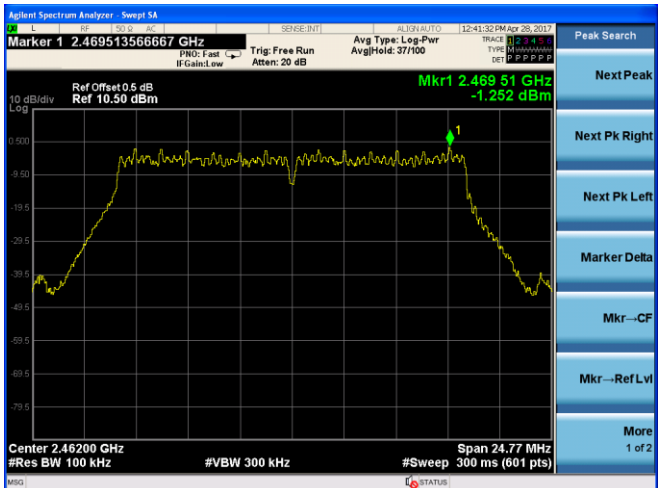
Frequency (MHz)	PSD (dBm/100kHz)	Limit (dBm/3kHz)
802.11b		
2412	2.4	8
2437	1.449	
2462	1.978	
802.11g		
2412	-1.849	8
2437	-1.314	
2462	-1.252	
802.11n20		
2412	-1.214	8
2437	-0.805	
2462	-0.741	
802.11n40		
2422	-4.553	8
2437	-4.496	
2452	-4.292	

See the test plots on the next pages:

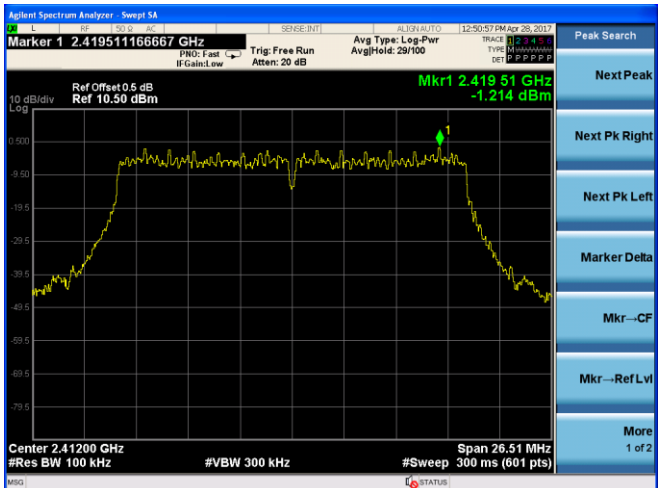
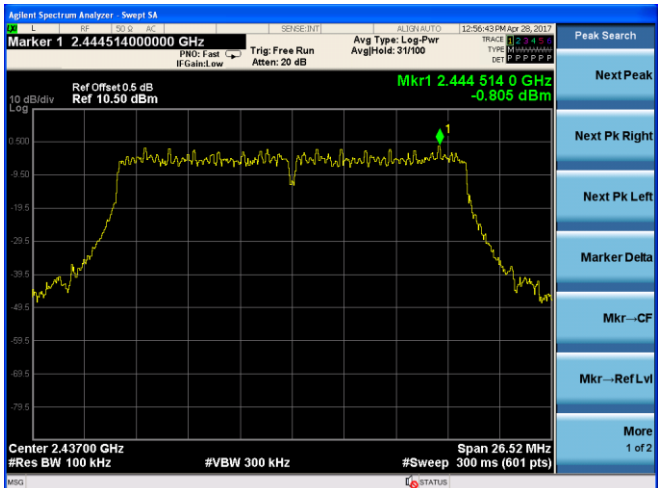
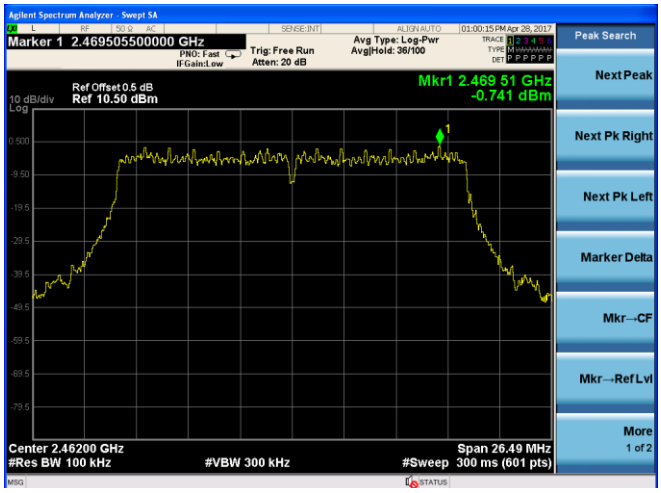
802.11b mode

2412MHz

2437MHz

2462MHz


802.11g mode

2412MHz

2437MHz

2462MHz


802.11n20 mode

2412MHz

2437MHz

2462MHz


802.11n40 mode

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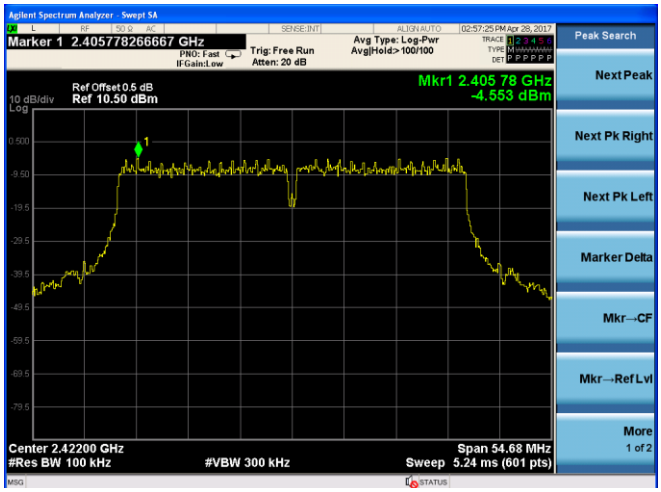
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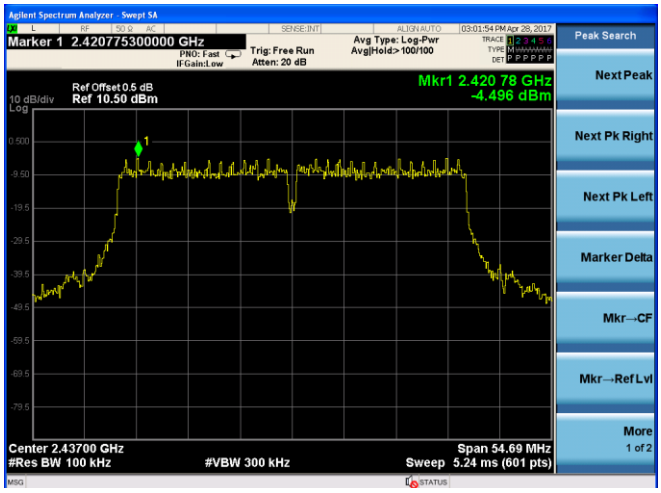
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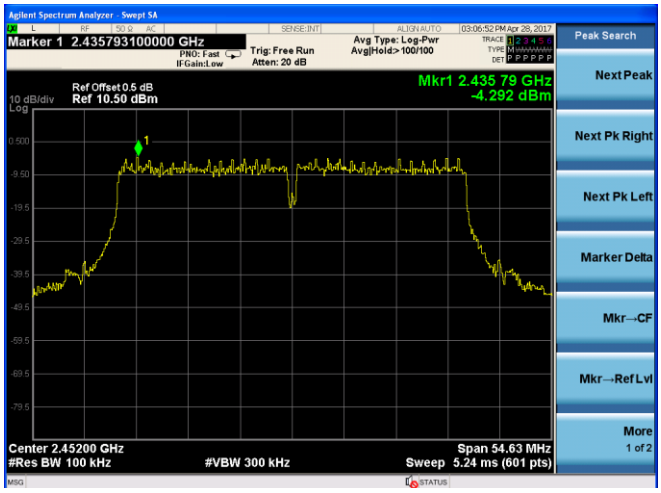


3.6 Band edge

3.6.1 Limit

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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30dB instead of 20dB.

3.6.2 Test method

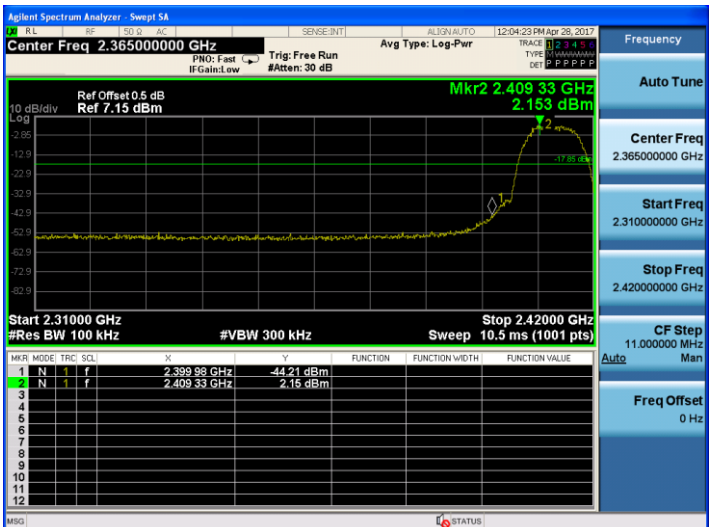
Use the following spectrum analyzer settings:

Set RBW = 100 kHz. VBW ≥ 3RBW. Detector = peak, Sweep time = auto couple, Trace mode = max hold.

3.6.3 Test Result

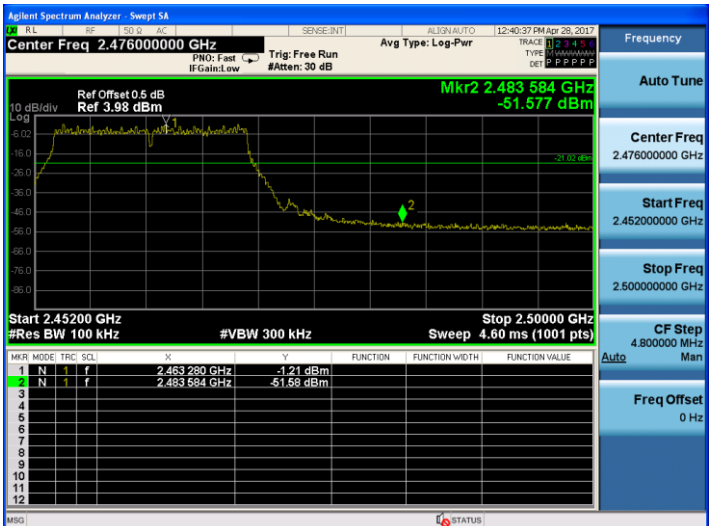
Test plots as below:

802.11b mode, Band edge

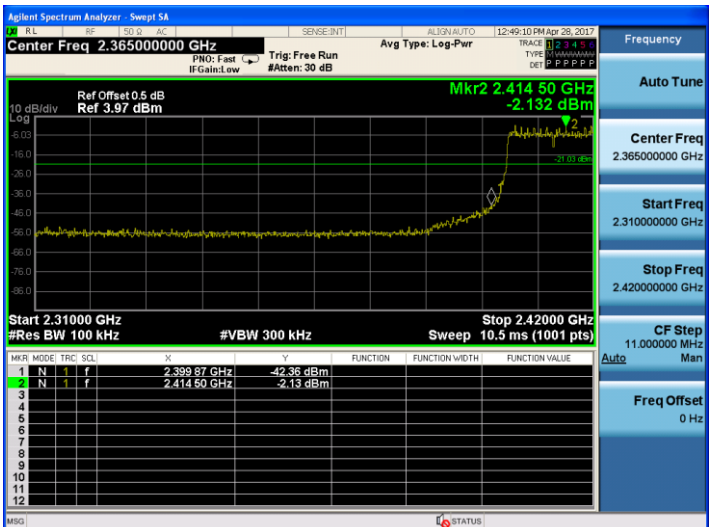
Low edge

Up edge


802.11g mode, Band edge

Low edge

Up edge


802.11n20 mode, Band edge

Low edge

Up edge


802.11n40 mode, Band edge

Low edge

Up edge


3.7 Radiated emission

3.7.1 Limit

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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20dB. Attenuation below the general limits defined in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits defined in §15.209(a).

Radiated emission limits defined in FCC 15.209:

Frequency (MHz)	Field strength μV/m	Field strength dBμV/m	Detector	Measurement distance
30-88	100	40	QP	3m
88-216	150	43.5	QP	
216-960	200	46	QP	
960-1000	500	46	QP	
Above 1000	500	54	AV	
Above 1000	5000	74	PK	

Restricted bands defined in FCC 15.205:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
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	Above 38.6
13.36-13.41			

3.7.2 Test method

1. The EUT is placed on a turntable, which is 0.8m above ground plane for test frequency range blew 1GHz, and 1.5m above ground plane for test frequency range above 1GHz.

2. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.

3. Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured, RBW = 1 MHz for f ≥ 1GHz, 100 kHz for f < 1 GHz, VBW ≥ RBW, Sweep = auto, Detector function = peak, Trace = max hold

4. Follow the guidelines in ANSI C63.4-2014 with respect to maximizing the emission by rotating the EUT, adjusting the measurement antenna height and polarization, etc. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, submit this data. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

5. The peak level, once corrected, must comply with the limit specified in Section 15.209. Set the RBW = 1MHz, VBW = 3MHz, Detector = RMS for AV value, while maintaining all of the other instrument settings.

3.7.3 Test Result

Remark:
If the PK measured values lower than average mode limit, the EUT shall be deemed to meet average limits and then no additional average mode measurement performed.

802.11b: 2412MHz						
Frequency	Ant. Polarization	Emission level	Limits	Detector	Result	Comment
(MHz)	H / V	dBμV/m	dBμV/m			
201.39	V	29.1	43.5	QP	Pass	Spurious emission
201.39	H	34.2	43.5	QP		Spurious emission
2390	V	47.81	74	PK		Restricted bands
2390	H	45.69	74	PK		Restricted bands
4824	V	51.79	74	PK		Restricted bands
4824	H	50.25	74	PK		Restricted bands
7236	V	52.26	74	PK		Spurious emission
7236	H	50.67	74	PK		Spurious emission
802.11b: 2437MHz						
Frequency	Ant. Polarization	Emission level	Limits	Detector	Result	Comment
(MHz)	H / V	dBμV/m	dBμV/m			
201.39	V	29.4	43.5	QP	Pass	Spurious emission
201.39	H	34.1	43.5	QP		Spurious emission
4874	V	51.56	74	PK		Restricted bands
4874	H	50.04	74	PK		Restricted bands
7311	V	51.99	74	PK		Restricted bands
7311	H	50.32	74	PK		Restricted bands
802.11b: 2462MHz						
Frequency	Ant. Polarization	Emission level	Limits	Detector	Result	Comment
(MHz)	H / V	dBμV/m	dBμV/m			
201.39	V	29.3	43.5	QP	Pass	Spurious emission
201.39	H	34.5	43.5	QP		Spurious emission
2483.5	V	46.48	74	PK		Restricted bands
2483.5	H	42.71	74	PK		Restricted bands
4924	V	51.75	74	PK		Restricted bands
4924	H	50.37	74	PK		Restricted bands
7386	V	52.34	74	PK		Restricted bands
7386	H	50.73	74	PK		Restricted bands

802.11g: 2412MHz						
Frequency	Ant. Polarization	Emission level	Limits	Detector	Result	Comment
(MHz)	H / V	dBμV/m	dBμV/m			
201.39	V	29.2	43.5	QP	Pass	Spurious emission
201.39	H	34.1	43.5	QP		Spurious emission
2390	V	47.52	74	PK		Restricted bands
2390	H	45.45	74	PK		Restricted bands
4824	V	51.51	74	PK		Restricted bands
4824	H	49.94	74	PK		Restricted bands
7236	V	51.98	74	PK		Spurious emission
7236	H	50.42	74	PK		Spurious emission
802.11g: 2437MHz						
Frequency	Ant. Polarization	Emission level	Limits	Detector	Result	Comment
(MHz)	H / V	dBμV/m	dBμV/m			
201.39	V	29.2	43.5	QP	Pass	Spurious emission
201.39	H	33.9	43.5	QP		Spurious emission
4874	V	51.33	74	PK		Restricted bands
4874	H	49.79	74	PK		Restricted bands
7311	V	51.72	74	PK		Restricted bands
7311	H	50.07	74	PK		Restricted bands
802.11g: 2462MHz						
Frequency	Ant. Polarization	Emission level	Limits	Detector	Result	Comment
(MHz)	H / V	dBμV/m	dBμV/m			
201.39	V	29.2	43.5	QP	Pass	Spurious emission
201.39	H	34.3	43.5	QP		Spurious emission
2483.5	V	46.22	74	PK		Restricted bands
2483.5	H	42.46	74	PK		Restricted bands
4924	V	51.46	74	PK		Restricted bands
4924	H	50.13	74	PK		Restricted bands
7386	V	52.06	74	PK		Restricted bands
7386	H	50.42	74	PK		Restricted bands

802.11n20: 2412MHz						
Frequency	Ant. Polarization	Emission level	Limits	Detector	Result	Comment
(MHz)	H / V	dBμV/m	dBμV/m			
201.39	V	28.7	43.5	QP	Pass	Spurious emission
201.39	H	33.9	43.5	QP		Spurious emission
2390	V	47.24	74	PK		Restricted bands
2390	H	45.31	74	PK		Restricted bands
4824	V	51.19	74	PK		Restricted bands
4824	H	49.27	74	PK		Restricted bands
7236	V	51.62	74	PK		Spurious emission
7236	H	50.08	74	PK		Spurious emission
802.11n20: 2437MHz						
Frequency	Ant. Polarization	Emission level	Limits	Detector	Result	Comment
(MHz)	H / V	dBμV/m	dBμV/m			
201.39	V	28.7	43.5	QP	Pass	Spurious emission
201.39	H	33.6	43.5	QP		Spurious emission
4874	V	51.14	74	PK		Restricted bands
4874	H	49.33	74	PK		Restricted bands
7311	V	51.41	74	PK		Restricted bands
7311	H	49.94	74	PK		Restricted bands
802.11n20: 2462MHz						
Frequency	Ant. Polarization	Emission level	Limits	Detector	Result	Comment
(MHz)	H / V	dBμV/m	dBμV/m			
201.39	V	28.6	43.5	QP	Pass	Spurious emission
201.39	H	33.4	43.5	QP		Spurious emission
2483.5	V	46.11	74	PK		Restricted bands
2483.5	H	42.25	74	PK		Restricted bands
4924	V	51.35	74	PK		Restricted bands
4924	H	50.23	74	PK		Restricted bands
7386	V	52.14	74	PK		Restricted bands
7386	H	50.39	74	PK		Restricted bands

802.11n40: 2422MHz						
Frequency	Ant. Polarization	Emission level	Limits	Detector	Result	Comment
(MHz)	H / V	dBμV/m	dBμV/m			
201.39	V	28.9	43.5	QP	Pass	Spurious emission
201.39	H	33.8	43.5	QP		Spurious emission
2390	V	46.62	74	PK		Restricted bands
2390	H	44.93	74	PK		Restricted bands
4844	V	50.53	74	PK		Restricted bands
4844	H	48.71	74	PK		Restricted bands
7266	V	51.12	74	PK		Spurious emission
7266	H	49.53	74	PK		Spurious emission
802.11n40: 2437MHz						
Frequency	Ant. Polarization	Emission level	Limits	Detector	Result	Comment
(MHz)	H / V	dBμV/m	dBμV/m			
201.39	V	29.1	43.5	QP	Pass	Spurious emission
201.39	H	33.5	43.5	QP		Spurious emission
4874	V	50.52	74	PK		Restricted bands
4874	H	48.77	74	PK		Restricted bands
7311	V	50.91	74	PK		Restricted bands
7311	H	49.22	74	PK		Restricted bands
802.11n40: 2452MHz						
Frequency	Ant. Polarization	Emission level	Limits	Detector	Result	Comment
(MHz)	H / V	dBμV/m	dBμV/m			
201.39	V	28.8	43.5	QP	Pass	Spurious emission
201.39	H	33.7	43.5	QP		Spurious emission
2483.5	V	45.61	74	PK		Restricted bands
2483.5	H	41.71	74	PK		Restricted bands
4904	V	50.85	74	PK		Restricted bands
4904	H	49.81	74	PK		Restricted bands
7356	V	51.76	74	PK		Restricted bands
7356	H	49.53	74	PK		Restricted bands

----END OF REPORT----