

Page 1 of 54

Rev: None

FCC Test Report

Part 15 subpart C

Client Information:

Applicant : Plawa-Feinwerktechnik GmbH & Co. KG
Applicant add.: Bleichereistr.18,73066 Uhingen-Germany

EUT Information:

EUT Name : wireless file transfer food mixer

Model No. : SC200

Brand Name: N/A

FCC ID : 2AGCUSC200

Prepared By:

Shenzhen ECT Testing Technology Co., Ltd.

Add.: Room 1106, Era Innovation Certer, Xixiang gushu second road,

Baoan district, Shenzhen city, China

Date of Receipt: Oct. 14, 2015 Date of Test: Oct. 15~20, 2015

Date of Issue: Oct. 20, 2015 Test Result: **Pass**

Test procedure used: ANSI C63.4-2009

This device described above has been tested by Shenzhen ECT Testing 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.

*This test report must not be used by the client to claim product endorsement by any agency of the

U.S. government.

Reviewed by:

Yandy Xie

Approvea by:

Lori Mei



Page 2 of 54 Rev: None

Contents

	COVE	R PAGE	Page
1		ONTENTS	:
2		ST SUMMARY	
_			
		COMPLIANCE WITH FCC PART 15 SUBPART C	
	2.2	MEASUREMENT UNCERTAINTY	4
3	GEI	NERAL INFORMATION	
	3.1	GENERAL DESCRIPTION OF EUT	
	3.2	DESCRIPTION OF TEST CONDITIONS	
	3.3	EUT PERIPHERAL LIST	8
	3.4	TEST PERIPHERAL LIST	8
	3.5	TEST LOCATION	8
4	EQI	UIPMENTS LIST FOR ALL TEST ITEMS	
5	TES	ST RESULT	10
	5.1	ANTENNA REQUIREMENT	1(
	5.1.		
	5.1.	·	
	_		
	5.2.	2.1 Applied procedures / Limit	1 ²
	5.2.	.2 Test procedure	1 ²
	5.2.	.3 Test results	12
	5.3	RADIATED EMISSIONS MEASUREMENT	14
	5.3.	3.1 Applied procedures / Limit	14
	5.3.		
	5.3.	3.3 Test Result	15
	5.3.	3.4 TEST RESULTS (Restricted Bands Requirements)	29
	5.4	BANDWIDTH TEST	3 ²
	5.4.	.1 Applied procedures / Limit	3′
	5.4.	.2 Test procedure	3′
	5.4.	.3 Deviation from standard	3′
	5.4.	.4 Test setup	3′
	5.4.	.5 Test results	32
	5.5	MAXIMUM PEAK OUTPUT POWER	39
	5.5.	5.1 Applied procedures / Limit	39
	5.5.	5.2 Test procedure	39
	5.5.		
	5.5.	5.4 Test setup	39
	5.5.	55 Test results	40



Report No.: ECT2015E02502 Page 3 of 54 Rev: None

	5.6 PEAK POWER SPECTRAL DENSITY	
5.6.1	Applied procedures / Limit	41
5.6.2	Test procedure	41
5.6.3	Deviation from standard	41
5.6.4	Test setup	41
5.6.5	Test results	42
5.7 BAN	ND EDGE	45
5.7.1	Applied procedures / Limit	45
5.7.2	Test procedure	45
5.7.3	Deviation from standard	45
5.7.4	Test setup	45
5.7.5	Test results	46
5.8 Con	NDUCTED SPURIOUS EMISSIONS	50
5.8.1	Applied procedures / Limit	50
5.8.2	Test procedure	50
5.8.3	Deviation from standard	50
5.8.4	Test setup	50
5.8.5	Test results	51





Page 4 of 54 Rev: None

2 Test Summary

2.1 Compliance with FCC Part 15 subpart C

Test	Test Requirement	Standard Paragraph	Result
Antenna Requirement	FCC Part 15 C:2013	Section 15.247(c)	PASS
Conduction Emissions	FCC Part 15 C:2013	Section 15.207(a)	PASS
Radiated Emissions	FCC Part 15 C:2013	Section 15.247(d)	PASS
6 dB Bandwidth	FCC Part 15 C:2013	Section 15.247 (a)	PASS
Maximum Peak Output Power	FCC Part 15 C:2013	Section 15.247(b) KDB-558074 D01 v03r03 Clause 9.1.2	PASS
Peak Power Spectral Density	FCC Part 15 C:2013	Section 15.247(e)	PASS
Band edge	FCC Part 15 C:2013	Section 15.247(d)	PASS
Conducted Spurious Emissions	FCC Part 15 C:2013	Section 15.247(d)	PASS

2.2 Measurement Uncertainty

All measurements involve certain levels of uncertainties, The following measurements uncertainty Levels have estimated based on ANSI C63.4:2009, the maximum value of the uncertainty as below

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	Radiated Emission Test	±3.57dB



Page 5 of 54

Rev: None

3 General Information

3.1 General Description of EUT

Manufacturer:	Plawa-Feinwerktechnik GmbH & Co. KG
Manufacturer Address:	Bleichereistr.18,73066 Uhingen-Germany
EUT Name:	wireless file transfer food mixer
Model No:	SC200
Brand Name:	N/A
Serial No:	N/A
Operation	2412 MHz to 2462 MHz for 802.11b/g/n(HT20)
frequency:	2422 MHz to 2452 MHz for 802.11n(HT40)
Channel Number:	11 Channels for 802.11b/g/n(HT20)
Channel Number:	7 Channels for 802.11n(HT40)
Modulation	802.11b: DSSS(CCK/QPSK/BPSK)
Technology:	802.11g/n: OFDM(BPSK/QPSK/16QAM/64QAM)
Date rate:	802.11b: 1Mbps/2Mbps/5.5Mbps/11Mbps 802.11g: 6Mbps/9Mbps/12Mbps/18Mbps/24Mbps/36Mbps/48Mbps/54Mbps 802.11n(HT20):MCS=0/MCS=1/MCS=2/MCS=3/MCS=4/MCS=5/MCS=6/MCS=7 802.11b(HT40):MCS=0/MCS=1/MCS=2/MCS=3/MCS=4/MCS=5/MCS=6/MCS=7
Channel Separation:	5 MHz
AntennaType:	Integral
Antenna Gain:	3.06 dBi
Power Supply Range:	AC 120V 60Hz
Power Supply:	AC 120V/60Hz
Power Cord:	1.8 m x 3 wires unscreened AC mains cable

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



Page 6 of 54

Rev: None

2.

(1)Test frequencies are lowest channel: 2412 MHz, middle channel: 2437 MHz and highest channel: 2462 MHz for 802.11b/g/n(HT20)

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

(2)Test frequencies are lowest channel: 2422 MHz, middle channel: 2437 MHz and highest channel: 2452 MHz for 802.11n(HT40)

Channel List								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)			
3	2422	6	2437	9	2452			
4	2427	7	2442					
5	2432	8	2447					

- 4. According to the declaration of the applicant, the electrical circuit design, layout, components used and internal wiring were identical for above models, with only difference being the model no.. Therefore, only one model **SC200** was tested in this report.
- 5. Pre-test all data rates, find the worst case in data rate of 802.11b/11 Mbps, 802.11g/54 Mbps, 802.11n(HT20)/MCS=7, 802.11n(HT40)/ MCS=7.

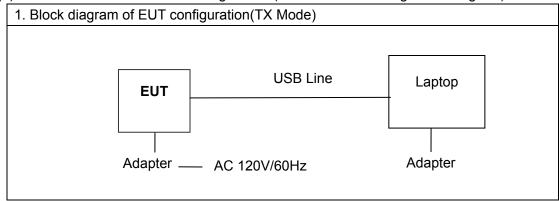


Page 7 of 54

Rev: None

3.2 Description of Test conditions

(1) EUT was tested in normal configuration (Please See following Block diagram)



(2) E.U.T. test conditions:

15.31(e): For intentional radiators, measurements of the variation of the input power or the adiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. For battery operated equipment, the equipment tests shall be performed using a new battery.

(3) Test frequencies:

According to the 15.31(m) Measurements on intentional radiators or receivers, other than TV broadcast receivers, shall be performed and. If required reported for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table:

Frequency range over	Number of	Location in
which device operates	frequencies	the range of operation
1 MHz or less	1	Middle
1 to 10 MHz	2	1 near top and 1 near bottom
More than 10 MHz	3	1 near top, 1 near middle and
Wore than 10 WHZ	3	1 near bottom

(4) Frequency range of radiated measurements:

According to the 15.33, The test range will be up to the tenth harmonic of the highest fundamental frequency .



Page 8 of 54

Rev: None

3.3 EUT Peripheral List

No.	Equipment	Manufacturer	EMC Compliance	Model No.	Serial No.	Power cord	signal cable
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

3.4 Test Peripheral List

No.	Equipment	Manufacturer	EMC Compliance	Model No.	Serial No.	Power cord	signal cable
1	Lap top	ASUS	N/A	X401A	X16-96072	N/A	N/A
2	Adapter (laptop)	ASUS	N/A	EXA0703 YH	N/A	1.8m/unshielded /detachable	N/A

3.5 Test Location

All tests were performed at:

DONGGUAN UTL ELECTRONIC TECHNOLOGY CO., LTD.

1F, Hengzheng Bldg, North Road of Station, Nancheng District, DongGuan, GuangDong, China.

The FCC Registration No. of DONGGUAN UTL ELECTRONIC TECHNOLOGY CO., LTD. is 713614.



Page 9 of 54

Rev: None

4 Equipments List for All Test Items

No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
1	Spectrum Analyzer	ADVANTEST	R3182	150900201	2015.10.16	2016.10.15
2	EMI Measuring Receiver	Schaffner	SCR3501	235	2015.10.16	2016.10.15
3	Low Noise Pre Amplifier	Tsj	MLA-10K01-B01-27	1205323	2015.09.08	2016.09.07
4	Low Noise Pre Amplifier	Tsj	MLA-0120-A02-34	2648A04738	2015.04.08	2016.04.07
5	TRILOG Super Broadband test Antenna	SCHWARZBECK	VULB9160	9160-3206	2015.07.05	2016.07.04
6	Broadband Horn Antenna	SCHWARZBECK	BBHA9120A	451	2015.07.05	2016.07.04
7	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2015.09.08	2016.09.07
8	EMI Test Receiver	R&S	ESCI	100124	2014.12.29	2015.12.28
9	LISN	Kyoritsu	KNW-242	8-837-4	2015.04.08	2016.04.07
10	LISN	Kyoritsu	KNW-407	8-1789-3	2015.04.08	2016.04.07
11	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	2015.04.08	2016.04.07
12	Loop Antenna	ARA	PLA-1030/B	1029	2015.04.08	2016.04.07
13	Power Meter	R&S	NRVS	101336	2015.04.08	2016.04.07
14	EMI Test Receiver	Rohde & Schwarz	ESIB26	100394	2015.04.08	2016.04.07



Page 10 of 54

Rev: None

5 Test Result

5.1 Antenna Requirement

5.1.1 Standard requirement

15.203 requirement: For intentional device, according to 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.

15.247(c) (1)(i) requirement: (i) Systems operating in the 2400-2483.5 MHz band and 5725-5850 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

5.1.2 EUT Antenna

The 2.4GHz antenna is integrated on the main PCB and no consideration of replacement. Antenna gain is max 3.06 dBi from 2.4GHz to 2.5GHz.



Page 11 of 54

Rev: None

5.2 Conduction Emissions Measurement

5.2.1 Applied procedures / Limit

Frequency of Emission (MHz)	Conducte	d Limit (dBμV)
	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.

5.2.2 Test procedure

EUT was placed upon a wooden test table 0.8m above the horizontal metal reference plane and 0.4m from the vertical ground plane, and it was connected to an AMN. The closest distance between the boundary of the EUT and the surface of the AMN is 0.8m. All peripherals were connected to another AMN, and placed at a distance of 10cm from each other. A spectrum and receiver was connected to the RF output port of the AMN. Both average and quasi-peak value were detected.



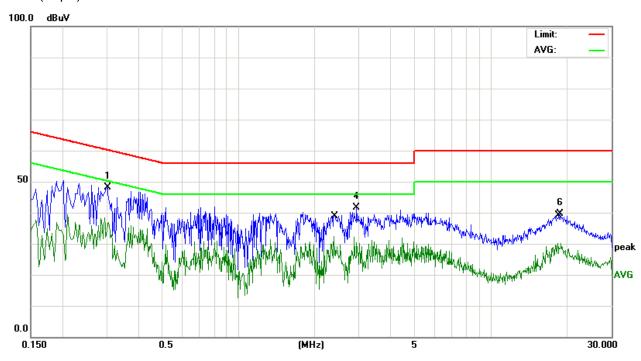
Page 12 of 54

Rev: None

5.2.3 Test results

EUT:	wireless file transfer food mixer	Model Name. :	SC200
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Date :	2015-10-18
Test Mode:	TX	Phase :	Line
Test Voltage :	AC 120V/60Hz		

 $Level(dB\mu V)$



Measure data:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1	*	0.3020	47.02	1.19	48.21	60.19	-11.98	QP
2		0.3060	35.61	1.18	36.79	50.08	-13.29	AVG
3		2.3940	22.47	10.01	32.48	46.00	-13.52	AVG
4		2.9380	31.67	10.03	41.70	56.00	-14.30	QP
5		18.3300	28.26	1.83	30.09	50.00	-19.91	AVG
6		18.7700	37.79	1.88	39.67	60.00	-20.33	QP

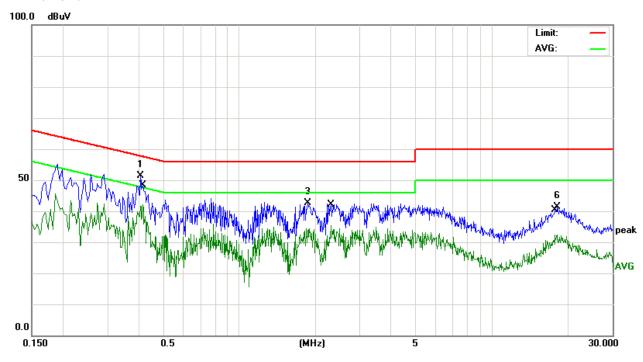


Page 13 of 54

Rev: None

EUT:	wireless file transfer food mixer	Model Name. :	SC200
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Test Date :	2015-10-18
Test Mode:	TX	Phase :	Neutral
Test Voltage :	AC 120V/60Hz		

Level(dBµV)



Measure result:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.4060	50.35	1.05	51.40	57.73	-6.33	QP
2	*	0.4140	41.07	1.04	42.11	47.57	-5.46	AVG
3		1.8620	32.75	9.99	42.74	56.00	-13.26	QP
4		2.2980	25.30	10.00	35.30	46.00	-10.70	AVG
5		17.7740	30.59	1.76	32.35	50.00	-17.65	AVG
6		18.1700	39.52	1.81	41.33	60.00	-18.67	QP



Page 14 of 54

Rev: None

5.3 Radiated Emissions Measurement

5.3.1 Applied procedures / Limit

15.247(d) 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, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

	Field Stre	ngth	Measurement
Frequency of Emission (MHz)	μV/m	dBμV/m	Distance (meters)
0.009-0.49	2400/F(kHz)		300
0.49-1.705	24000/F(kHz)		30
1.705-30	30		30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

5.3.2 Test procedure

EUT was placed upon a wooden test table which was placed on the turn table 0.8m above the horizontal metal ground plane, and operating in the mode as mentioned above. A receiving antenna was placed 3m away from the EUT. During testing, turn around the turn table and move the antenna from 1m to 4m to find the maximum field-strength reading. All peripherals were placed at a distance of 10cm between each other. Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.



Page 15 of 54

Rev: None

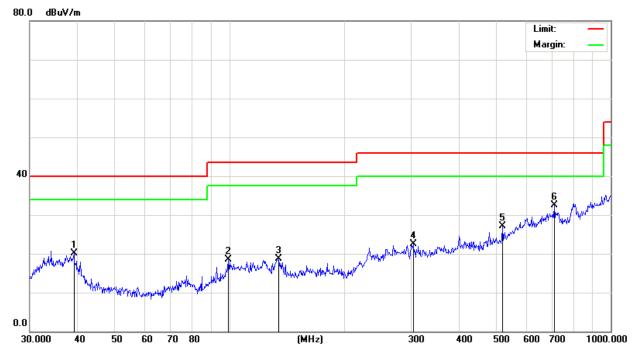
5.3.3 Test Result

There is not detected below 30MHz.

EUT:	wireless file transfer food mixer	Model Name:	SC200		
Temperature:	25 ℃	Test Data	2015-10-18		
Pressure:	1010 hPa	Relative Humidity:	60%		
Test Mode :	TX	Test Voltage:	AC 120V/60Hz		
Measurement Distance	3 m	Frenqucy Range	30MHz to 1GHz		
RBW/VBW	100KHz / 300KHz for spectrum, RBW=120KHz for receiver.				

(a) Antenna polarization: Horizontal

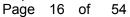
Peak scan Level (dBµV/m)



Quasi-peak measurement

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		39.1616	36.66	-16.64	20.02	40.00	-19.98	QP
2		99.5279	32.77	-14.30	18.47	43.50	-25.03	QP
3		135.0319	33.35	-14.72	18.63	43.50	-24.87	QP
4		303.5437	31.97	-9.45	22.52	46.00	-23.48	QP
5		520.8881	32.17	-4.97	27.20	46.00	-18.80	QP
6	*	711.6734	32.92	-0.47	32.45	46.00	-13.55	QP



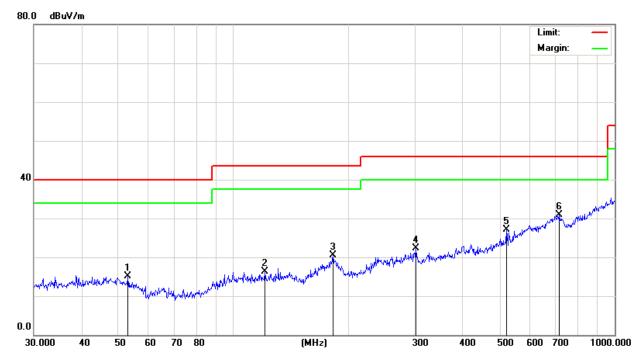


Rev: None

(b) Antenna polarization: vertical

Peak scan

Level (dBµV/m)



Quasi-peak measurement

No.	Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		52.9453	30.43	-15.30	15.13	40.00	-24.87	QP
2		121.1230	31.25	-14.96	16.29	43.50	-27.21	QP
3		182.5592	31.09	-10.55	20.54	43.50	-22.96	QP
4		301.4223	31.82	-9.55	22.27	46.00	-23.73	QP
5		520.8881	31.98	-4.97	27.01	46.00	-18.99	QP
6	*	716.6820	31.40	-0.41	30.99	46.00	-15.01	QP

Note: "" means the worst case

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss – Pre-amplifier



Page 17 of 54

Rev: None

EUT:	wireless file transfer food mixer	Model Name:	SC200		
Temperature:	25 ℃	Test Data	2015-10-18		
Pressure:	1010 hPa	Relative Humidity:	60%		
Test Mode :	802.11b	Test Voltage:	AC 120V/60Hz		
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz		
RBW/VBW	1MHz/1MHz for Peak, 1MHz/10Hz for Average.				

1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement Vertical Measurement:

Frequency (MHz)	Reading Level (dBμV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4824.000	57.42	5.08	62.50	74.00	-11.50	peak
4824.000	43.23	5.08	48.31	54.00	-5.69	AVG
7236.000	48.29	7.16	55.45	74.00	-18.55	peak
7236.000	37.01	7.16	44.17	54.00	-9.83	AVG

Horizontal Measurement:

Frequency (MHz)	Reading Level (dB _µ V)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4824.000	57.65	5.08	62.73	74.00	-11.27	peak
4824.000	42.44	5.08	47.52	54.00	-6.48	AVG
7236.000	49.09	7.16	56.25	74.00	-17.75	peak
7236.000	39.10	7.16	46.26	54.00	-7.74	AVG

Note: 8~25GHz at least have 20dBm margin. No recording in the test report.

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss – Pre-amplifier

Lowest Channel: 2412 MHz



Page 18 of 54

Rev: None

1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement

Vertical Measurement:

Frequency (MHz)	Reading Level (dBµV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4874.000	57.75	5.13	62.88	74.00	-11.12	peak
4874.000	42.22	5.13	47.35	54.00	-6.65	AVG
7311.000	48.77	7.49	56.26	74.00	-17.74	peak
7311.000	36.38	7.49	43.87	54.00	-10.13	AVG

Horizontal Measurement:

Frequency (MHz)	Reading Level (dB _µ V)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4874.000	58.02	5.13	63.15	74.00	-10.85	peak
4874.000	44.09	5.13	49.22	54.00	-4.78	AVG
7311.000	48.37	7.49	55.86	74.00	-18.14	peak
7311.000	36.54	7.49	44.03	54.00	-9.97	AVG

Note: 8~25GHz at least have 20dBm margin. No recording in the test report.

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss – Pre-amplifier

Middle Channel : 2437 MHz



Page 19 of 54

Rev: None

1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement

Vertical Measurement:

Frequency (MHz)	Reading Level (dBµV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4924.000	56.92	5.18	62.10	74.00	-11.90	peak
4924.000	41.25	5.18	46.43	54.00	-7.57	AVG
7386.000	50.45	7.82	58.27	74.00	-15.73	peak
7386.000	37.83	7.82	45.65	54.00	-8.35	AVG

Horizontal Measurement:

Frequency (MHz)	Reading Level (dB _µ V)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4924.000	57.53	5.18	62.71	74.00	-11.29	peak
4924.000	42.41	5.18	47.59	54.00	-6.41	AVG
7386.000	50.69	7.82	58.51	74.00	-15.49	peak
7386.000	36.80	7.82	44.62	54.00	-9.38	AVG

Note: 8~25GHz at least have 20dBm margin. No recording in the test report.

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss – Pre-amplifier

Highest Channel: 2462 MHz



Page 20 of 54

Rev: None

EUT:	wireless file transfer food mixer	Model Name:	SC200			
Temperature:	25 ℃	Test Data	2015-10-18			
Pressure:	1010 hPa	Relative Humidity:	60%			
Test Mode:	802.11g	Test Voltage:	AC 120V/60Hz			
Measurement Distance	Frenqucy Range 1GHz to 25GHz					
RBW/VBW	1MHz/1MHz for Peak, 1MHz/10Hz for Average.					

1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement Vertical Measurement:

Frequency (MHz)	Reading Level (dB _µ V)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4824.000	55.50	5.08	60.58	74.00	-13.42	peak
4824.000	43.56	5.08	48.64	54.00	-5.36	AVG
7236.000	47.56	7.16	54.72	74.00	-19.28	peak
7236.000	36.33	7.16	43.49	54.00	-10.51	AVG

Horizontal Measurement:

Frequency (MHz)	Reading Level (dBµV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4824.000	56.14	5.08	61.22	74.00	-12.78	peak
4824.000	43.22	5.08	48.30	54.00	-5.70	AVG
7236.000	49.08	7.16	56.24	74.00	-17.76	peak
7236.000	37.02	7.16	44.18	54.00	-9.82	AVG

Note: 8~25GHz at least have 20dBm margin. No recording in the test report.

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss - Pre-amplifier

Lowest Channel: 2412 MHz



Page 21 of 54

Rev: None

1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement

Vertical Measurement:

Frequency (MHz)	Reading Level (dBµV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4874.000	54.28	5.13	59.41	74.00	-14.59	peak
4874.000	41.23	5.13	46.36	54.00	-7.64	AVG
7311.000	48.59	7.49	56.08	74.00	-17.92	peak
7311.000	35.98	7.49	43.47	54.00	-10.53	AVG

Horizontal Measurement:

Frequency (MHz)	Reading Level (dB _µ V)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4874.000	54.28	5.13	59.41	74.00	-14.59	peak
4874.000	41.89	5.13	47.02	54.00	-6.98	AVG
7311.000	46.77	7.49	54.26	74.00	-19.74	peak
7311.000	35.64	7.49	43.13	54.00	-10.87	AVG

Note: 8~25GHz at least have 20dBm margin. No recording in the test report.

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss – Pre-amplifier

Middle Channel : 2437 MHz



Page 22 of 54

Rev: None

1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement

Vertical Measurement:

Frequency (MHz)	Reading Level (dBμV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4924.000	54.42	5.18	59.60	74.00	-14.40	peak
4924.000	37.69	5.18	42.87	54.00	-11.13	AVG
7386.000	47.51	7.82	55.33	74.00	-18.67	peak
7386.000	35.80	7.82	43.62	54.00	-10.38	AVG

Horizontal Measurement:

Frequency (MHz)	Reading Level (dB _µ V)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4924.000	54.68	5.18	59.86	74.00	-14.14	peak
4924.000	42.92	5.18	48.10	54.00	-5.90	AVG
7386.000	46.41	7.82	54.23	74.00	-19.77	peak
7386.000	35.70	7.82	43.52	54.00	-10.48	AVG

Note: 8~25GHz at least have 20dBm margin. No recording in the test report.

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss – Pre-amplifier

Highest Channel: 2462 MHz



Page 23 of 54

Rev: None

EUT:	wireless file transfer food mixer	Model Name:	SC200			
Temperature:	25 ℃	Test Data	2015-10-18			
Pressure:	1010 hPa	Relative Humidity:	60%			
Test Mode:	802.11n(HT20)	Test Voltage:	AC 120V/60Hz			
Measurement Distance	Frenqucy Range 1GHz to 25GHz					
RBW/VBW	1MHz/1MHz for Peak, 1MHz/10Hz for Average.					

1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement Vertical Measurement:

Frequency (MHz)	Reading Level (dB _µ V)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4824.000	53.47	5.08	58.55	74.00	-15.45	peak
4824.000	42.12	5.08	47.20	54.00	-6.80	AVG
7236.000	48.60	7.16	55.76	74.00	-18.24	peak
7236.000	36.66	7.16	43.82	54.00	-10.18	AVG

Horizontal Measurement:

Frequency (MHz)	Reading Level (dBµV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4824.000	52.22	5.08	57.30	74.00	-16.70	peak
4824.000	40.78	5.08	45.86	54.00	-8.14	AVG
7236.000	47.05	7.16	54.21	74.00	-19.79	peak
7236.000	35.67	7.16	42.83	54.00	-11.17	AVG

Note: 8~25GHz at least have 20dBm margin. No recording in the test report.

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss - Pre-amplifier

Lowest Channel: 2412 MHz



Page 24 of 54

Rev: None

1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement

Vertical Measurement:

Frequency (MHz)	Reading Level (dBµV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4874.000	53.47	5.13	58.60	74.00	-15.40	peak
4874.000	39.09	5.13	44.22	54.00	-9.78	AVG
7311.000	47.00	7.49	54.49	74.00	-19.51	peak
7311.000	35.24	7.49	42.73	54.00	-11.27	AVG

Horizontal Measurement:

Frequency (MHz)	Reading Level (dB _µ V)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4874.000	53.18	5.13	58.31	74.00	-15.69	peak
4874.000	41.32	5.13	46.45	54.00	-7.55	AVG
7311.000	47.24	7.49	54.73	74.00	-19.27	peak
7311.000	35.67	7.49	43.16	54.00	-10.84	AVG

Note: 8~25GHz at least have 20dBm margin. No recording in the test report.

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss – Pre-amplifier

Middle Channel : 2437 MHz



Page 25 of 54

Rev: None

1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement

Vertical Measurement:

Frequency (MHz)	Reading Level (dBµV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4924.000	53.39	5.18	58.57	74.00	-15.43	peak
4924.000	40.23	5.18	45.41	54.00	-8.59	AVG
7386.000	46.86	7.82	54.68	74.00	-19.32	peak
7386.000	35.68	7.82	43.50	54.00	-10.50	AVG

Horizontal Measurement:

Frequency (MHz)	Reading Level (dB _µ V)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4924.000	52.91	5.18	58.09	74.00	-15.91	peak
4924.000	41.25	5.18	46.43	54.00	-7.57	AVG
7386.000	46.45	7.82	54.27	74.00	-19.73	peak
7386.000	34.66	7.82	42.48	54.00	-11.52	AVG

Note: 8~25GHz at least have 20dBm margin. No recording in the test report.

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss – Pre-amplifier

Highest Channel: 2462 MHz



Page 26 of 54

Rev: None

EUT:	wireless file transfer food mixer	Model Name:	SC200		
Temperature:	25 ℃	Test Data	2015-10-18		
Pressure:	1010 hPa	Relative Humidity:	60%		
Test Mode :	802.11n(HT40)	Test Voltage:	AC 120V/60Hz		
Measurement Distance	3 m	Frenqucy Range	1GHz to 25GHz		
RBW/VBW	1MHz/1MHz for Peak, 1MHz/10Hz for Average.				

1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement Vertical Measurement:

Frequency (MHz)	Reading Level (dBμV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4844.000	51.63	5.11	56.74	74.00	-17.26	peak
4844.000	38.04	5.11	43.15	54.00	-10.85	AVG
7266.000	44.36	7.29	51.65	74.00	-22.35	peak
7266.000	33.02	7.29	40.31	54.00	-13.69	AVG

Horizontal Measurement:

Frequency (MHz)	Reading Level (dBµV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4844.000	49.09	5.11	54.20	74.00	-19.80	peak
4844.000	37.62	5.11	42.73	54.00	-11.27	AVG
7266.000	44.36	7.29	51.65	74.00	-22.35	peak
7266.000	32.78	7.29	40.07	54.00	-13.93	AVG

Note: 8~25GHz at least have 20dBm margin. No recording in the test report.

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss - Pre-amplifier

Lowest Channel: 2422 MHz



Page 27 of 54

Rev: None

1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement

Vertical Measurement:

Frequency (MHz)	Reading Level (dBμV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4874.000	50.64	5.13	55.77	74.00	-18.23	peak
4874.000	38.38	5.13	43.51	54.00	-10.49	AVG
7311.000	43.27	7.49	50.76	74.00	-23.24	peak
7311.000	33.35	7.49	40.84	54.00	-13.16	AVG

Horizontal Measurement:

Frequency (MHz)	Reading Level (dB _µ V)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4874.000	50.03	5.13	55.16	74.00	-18.84	peak
4874.000	38.30	5.13	43.43	54.00	-10.57	AVG
7311.000	43.08	7.49	50.57	74.00	-23.43	peak
7311.000	31.95	7.49	39.44	54.00	-14.56	AVG

Note: 8~25GHz at least have 20dBm margin. No recording in the test report.

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss – Pre-amplifier

Middle Channel : 2437 MHz



Page 28 of 54

Rev: None

1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement

Vertical Measurement:

Frequency (MHz)	Reading Level (dBµV)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4904.000	51.02	5.16	56.18	74.00	-17.82	peak
4904.000	39.04	5.16	44.20	54.00	-9.80	AVG
7356.000	43.66	7.69	51.35	74.00	-22.65	peak
7356.000	32.98	7.69	40.67	54.00	-13.33	AVG

Horizontal Measurement:

Frequency (MHz)	Reading Level (dB _µ V)	factor (dB)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization
4904.000	50.46	5.16	55.62	74.00	-18.38	peak
4904.000	38.69	5.16	43.85	54.00	-10.15	AVG
7356.000	43.07	7.69	50.76	74.00	-23.24	peak
7356.000	32.59	7.69	40.28	54.00	-13.72	AVG

Note: 8~25GHz at least have 20dBm margin. No recording in the test report.

Measurement Level = Reading Level + Factor

Factor = Antenna Factor + Cable Loss – Pre-amplifier

Highest Channel: 2452 MHz



Page 29 of 54

Rev: None

5.3.4 TEST RESULTS (Restricted Bands Requirements)

EUT:	wireless file transfer food mixer	Model Name:	SC200				
Temperature:	26 ℃	Relative Humidity:	55%				
Pressure:	1010 hPa	Test Voltage:	AC 120V/60Hz				
Note:	For 2.4GHz Band:						
	1. The transmitter was setup to transmit at the lowest channel . Then the field strength						
	was measured at 2310-2390 MHz.						
	2. The transmitter was setup to transmit at the highest channel . Then the field strength						
	was measured at 2483.5-2500 MHz.						
	3. The data of 2390MHz and 2483.5MHz was the worst.						

802.11b									
Freq.	Ant.Pol.	Reading		Ant/CF	Act		Limit		
(MHz)	H/V	Peak	AV	CF(dB)	Peak	AV	Peak	AV	
(1711 12)	1 17 V	(dBuv)	(dBuv)	Of (db)	(dBuv/m)	(dBuv/m)	(dBuv/m)	(dBuv/m)	
2390.00	V	45.17	33.84	-5.79	39.38	28.05	74.00	54.00	
2390.00	Н	44.68	27.43	-5.79	38.89	21.64	74.00	54.00	
2483.50	V	42.33	28.56	-4.98	37.35	23.58	74.00	54.00	
2483.50	Н	42.67	27.25	-4.98	37.69	22.27	74.00	54.00	

802.11g									
Freq.	Freg. Ant.Pol.	Reading		Ant/CF	Act		Limit		
(MHz)	H/V	Peak	AV	CF(dB)	Peak	AV	Peak	AV	
(1711 12)	1 17 V	(dBuv)	(dBuv)		(dBuv/m)	(dBuv/m)	(dBuv/m)	(dBuv/m)	
2390.00	V	45.21	30.52	-5.79	39.42	24.73	74.00	54.00	
2390.00	Н	46.57	31.41	-5.79	40.78	25.62	74.00	54.00	
2483.50	V	44.26	29.88	-4.98	39.28	24.90	74.00	54.00	
2483.50	Н	43.72	28.16	-4.98	38.74	23.18	74.00	54.00	



Page 30 of 54

Rev: None

802.11n(HT20)									
Freq.	Ant.Pol.	Reading		Ant/CF	Act		Limit		
(MHz)	H/V	Peak	AV	CF(dB)	Peak	AV	Peak	AV	
(1711 12)	1 1/ V	(dBuv)	(dBuv)	CF(ub)	(dBuv/m)	(dBuv/m)	(dBuv/m)	(dBuv/m)	
2390.00	V	43.15	29.47	-5.79	37.36	23.68	74.00	54.00	
2390.00	Н	44.68	30.16	-5.79	38.89	24.37	74.00	54.00	
2483.50	V	43.25	29.87	-4.98	38.27	24.89	74.00	54.00	
2483.50	Н	41.58	29.20	-4.98	36.60	24.22	74.00	54.00	

802.11n(HT40)									
Freq. (MHz)	Ant.Pol. H/V	Rea Peak (dBuv)	AV (dBuv)	Ant/CF CF(dB)	Peak (dBuv/m)	AV (dBuv/m)	Lir Peak (dBuv/m)	AV (dBuv/m)	
2390.00	V	40.50	27.24	-5.79	34.71	21.45	74.00	54.00	
2390.00	Н	39.28	28.54	-5.79	33.49	22.75	74.00	54.00	
2483.50	V	39.74	27.13	-4.98	34.76	22.15	74.00	54.00	
2483.50	Н	38.59	28.66	-4.98	33.61	23.68	74.00	54.00	

Remark:

- (1) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode
- During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna
- (3) Corr.Factor = Antenna Factor + Cable Loss Pre-amplifier.
- (4) No any other emission which falls in restricted bands can be detected and be reported.

Test result: The unit does meet the FCC requirements.



Page 31 of 54

Rev: None

5.4 BANDWIDTH TEST

5.4.1 Applied procedures / Limit

15.247 (a)(2)Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5MHz,5725-5850MHz. The minimum 6 dB bandwidth shall be at least 500 kHz.

5.4.2 Test procedure

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting: RBW= 100KHz, VBW ≥ 3*RBW, Sweep time = Auto Detector Function=Peak..

5.4.3 Deviation from standard

No deviation.

5.4.4 Test setup

EUT	SPECTRUM
	ANALYZER



Page 32 of 54 Rev: None

5.4.5 Test results

Channel No.	Frequency (MHz)	Mode	Measured 6dB bandwidth (MHz)	Limit	Result
1	2412		9.985		Pass
6	2437	802.11b	10.202	≥500KHz	Pass
11	2462		10.238		Pass
1	2412		16.498		Pass
6	2437	802.11g	16.534	≥500KHz	Pass
11	2462		16.498		Pass
1	2412	802.11n	17.656		Pass
6	2437	(HT20)	17.619	≥500KHz	Pass
11	2462	(11120)	17.655		Pass
3	2422	902 11n	36.47		Pass
6	2437	802.11n	35.89	≥500KHz	Pass
9	2452	(HT40)	36.47		Pass

Test result: The unit does meet the FCC requirements.

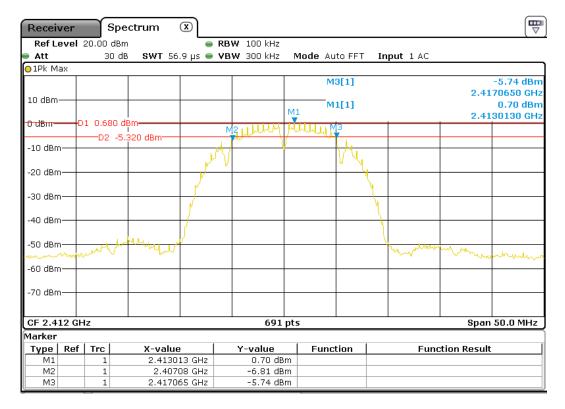


Page 33 of 54

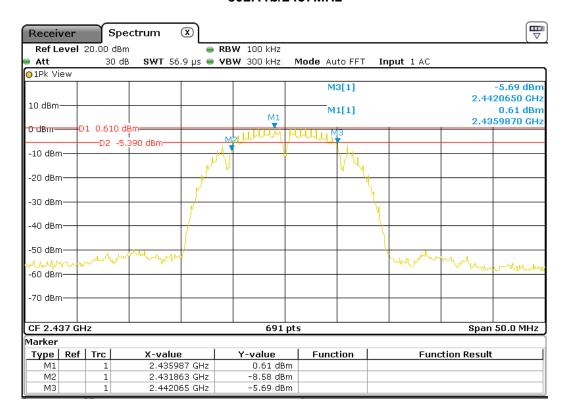
Rev: None

Result plot as follows:

802.11b/2412MHz



802.11b/2437MHz

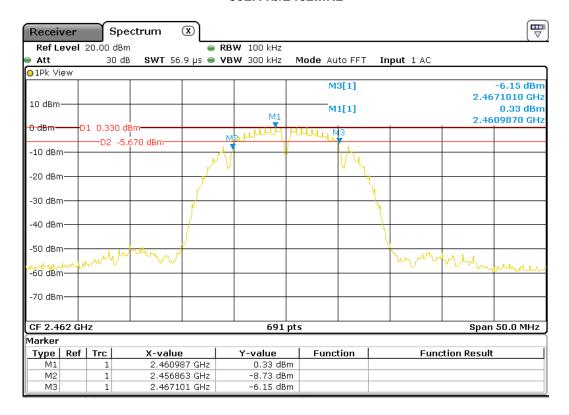




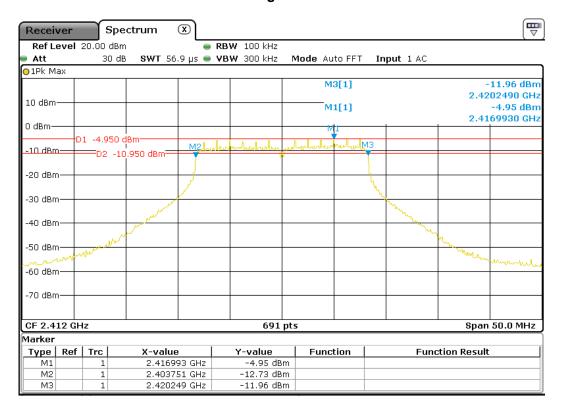
T

Rev: None

802.11b/2462MHz



802.11g/2412MHz

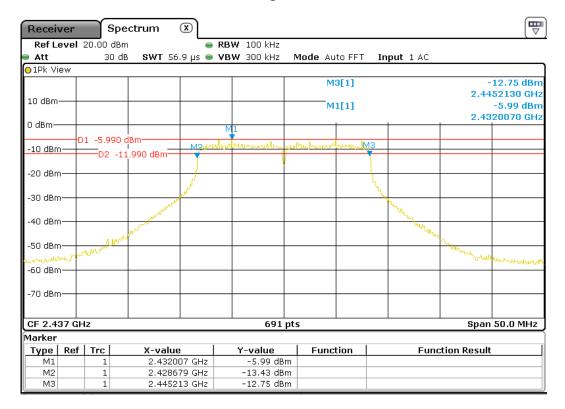




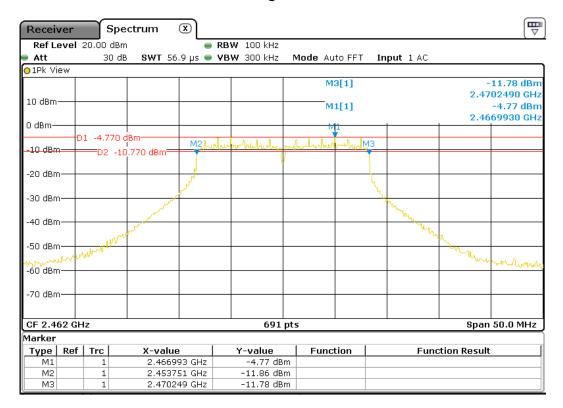
ECT

Rev: None

802.11g/2437MHz



802.11g/2462MHz



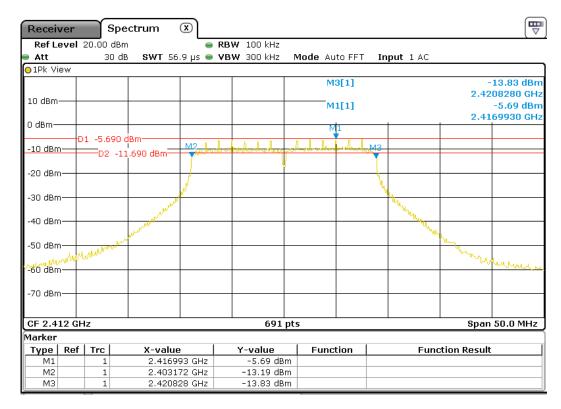


ECT

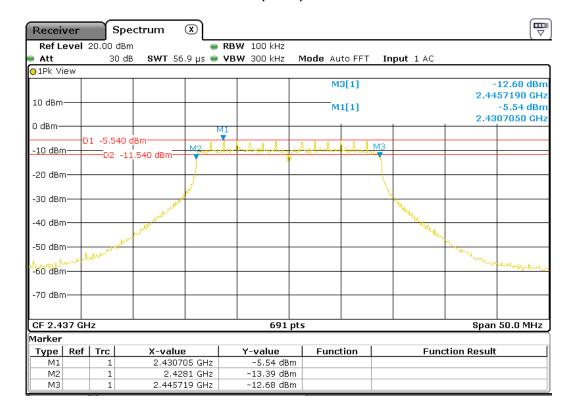
Page 36 of 54

Rev: None

802.11n(HT20)/2412MHz



802.11n(HT20)/2437MHz



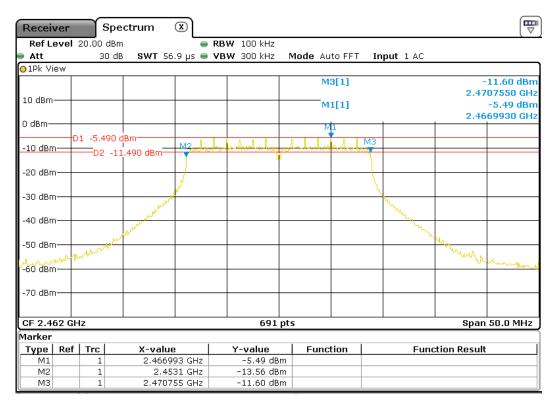


ECT

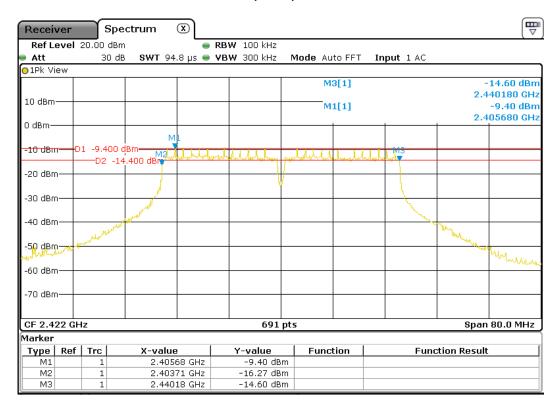
Page 37 of 54

Rev: None

802.11n(HT20)/2462MHz



802.11n(HT40)/2422MHz

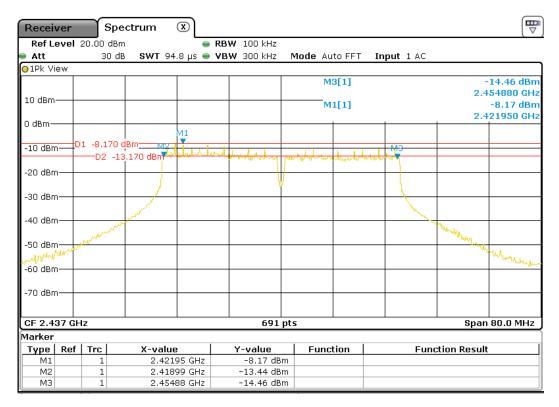




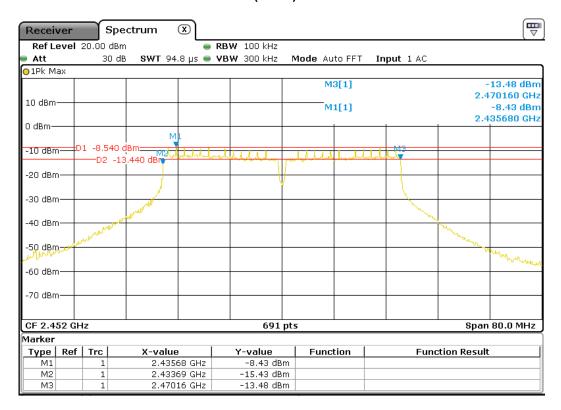
Page 38 of 54

Rev: None

802.11n(HT40)/2437MHz



802.11n(HT40)/2452MHz



Page 39 of 54

Rev: None

5.5 Maximum Peak Output Power

5.5.1 Applied procedures / Limit

15.247 (b)(3) For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz band: 1 Watt.

5.5.2 Test procedure

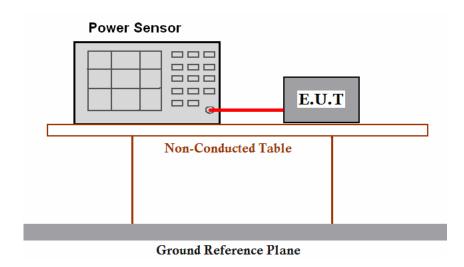
FCC/KDB-558074 D01 v03r03 Clause 9.1.2.

- (1) Connected the antenna port to the broadband peak RF power meter, Allow the transmitted power to stabilize, record the max peak value.
- (2) The EUT should be transmitting at its maximum data rate.
- (3) The above procedure shall be repeated at the lowest, the middle, and the highest frequency of the stated frequency range with modulated mode. also shall be performed at different modes of operation.

5.5.3 Deviation from standard

No deviation.

5.5.4 Test setup





Page 40 of 54

Rev: None

5.5.5 Test results

Channel	Frequency	Mode	Measured Power	Limit	Result
No.	(MHz)		(dBm)		
1	2412	802.11b	12.84	- 1W(30dBm)	Pass
6	2437		13.21		Pass
11	2462		13.45		Pass
1	2412	802.11g	14.37		Pass
6	2437		14.77		Pass
11	2462		14.67		Pass
1	2412	802.11n (HT20)	13.18		Pass
6	2437		13.78		Pass
11	2462		13.83		Pass
3	2422	802.11n (HT40)	10.16		Pass
6	2437		10.18		Pass
9	2452		10.79		Pass

Remark: Level = Read Level + Cable Loss.



Page 41 of 54

Rev: None

5.6 Peak Power Spectral Density

5.6.1 Applied procedures / Limit

15.247 (e) 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.

5.6.2 Test procedure

- (1) Connected the antenna port to the Spectrum Analyzer, set the Spectrum Analyzer as CENTER FREQUENCY = Frequency from Power Spectral Density Test Matrix (see 6.10.2) SPAN = 20 MHz (For devices with a nominal 40 MHz BW, 50 MHz span will be needed) REFERENCE LEVEL = 20 dBm, ATTENUATION = 0 dB (add internal attenuation, if necessary) SWEEP TIME = Coupled, RBW = 3 kHz, VBW = 10 kHz, DETECTOR = Peak
- (2) The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power.
- (3) The above procedure shall be repeated at the lowest, the middle, and the highest frequency of the stated frequency range with modulated mode. also shall be performed at different modes of operation

5.6.3 Deviation from standard

No deviation.

5.6.4 Test setup





Page 42 of 54

Rev: None

5.6.5 Test results

Channel No.	Frequency (MHz)	Mode	Measured Peak Power	Limit	
			Spectral Density		Result
			(dBm/3KHz)		
1	2412	802.11b	-15.47	8dBm/3KHz	Pass
6	2437		-22.21		Pass
11	2462		-22.18		Pass
1	2412	802.11g	-15.06		Pass
6	2437		-25.24		Pass
11	2462		-24.87		Pass
1	2412	802.11n (HT20)	-27.06		Pass
6	2437		-14.89		Pass
11	2462		-15.47		Pass
3	2422	802.11n (HT40)	-33.22		Pass
6	2437		-34.21		Pass
9	2452		-34.08		Pass

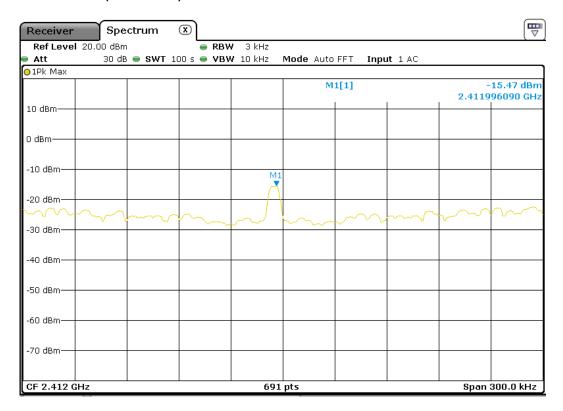
Test result: Level = Read Level + Cable Loss.
The unit does meet the FCC requirements.



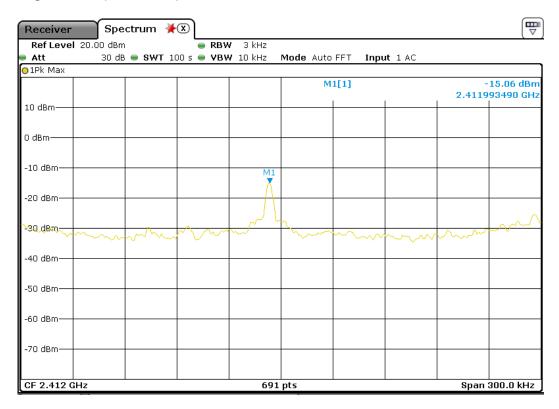
Page 43 of 54 Rev: None

Result plot as follows:

802.11b/2412MHz(worst case)



802.11g/2412MHz(worst case)

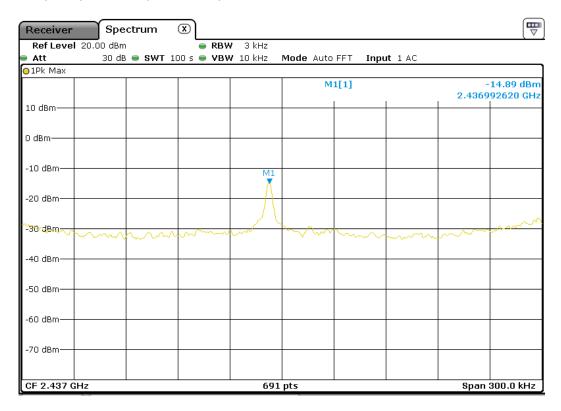


Rev: None

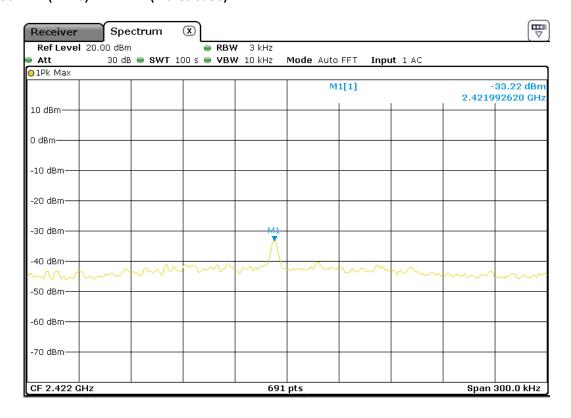


Page 44 of 54

802.11n(HT20)/2437MHz(worst case)



802.11n(HT40)/2422MHz(worst case)





Page 45 of 54

Rev: None

5.7 Band edge

5.7.1 Applied procedures / Limit

15.247(d) 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.

5.7.2 Test procedure

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b Spectrum Setting: RBW=100kHz, VBW≧RBW, Sweep time=Auto, Detector Function=Peak.

5.7.3 Deviation from standard

No deviation.

5.7.4 Test setup



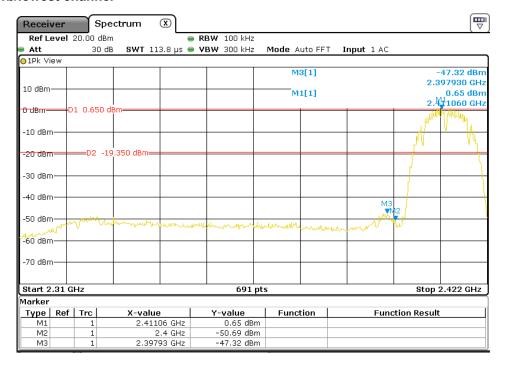


Page 46 of 54 Rev: None

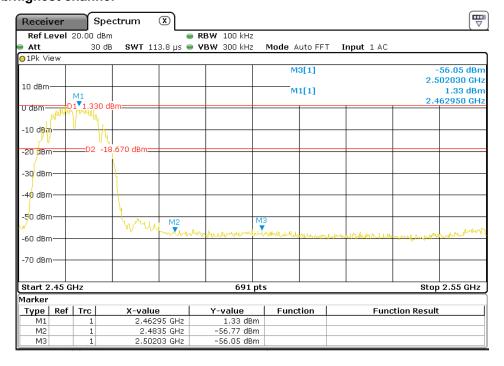
5.7.5 Test results

Result plot as follows:

802.11b/lowest channel



802.11b/highest channel

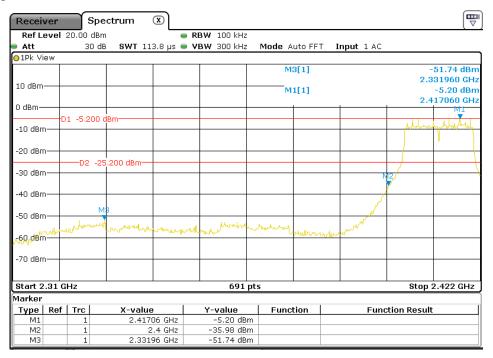




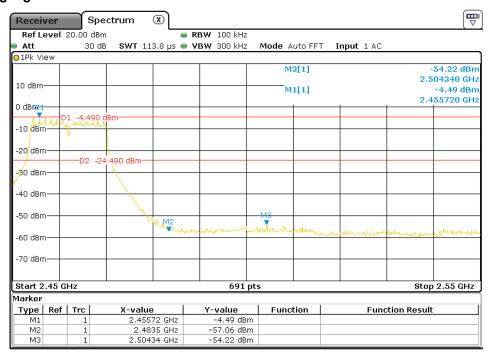
Page 47 of 54

Rev: None

802.11g/lowest channel



802.11g/highest channel

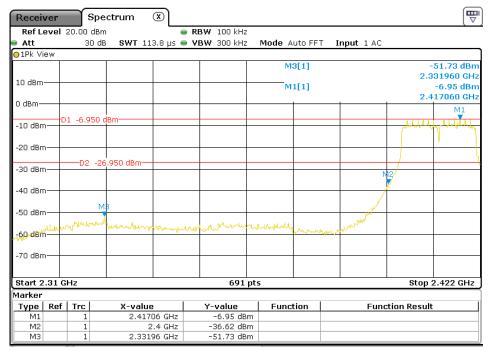




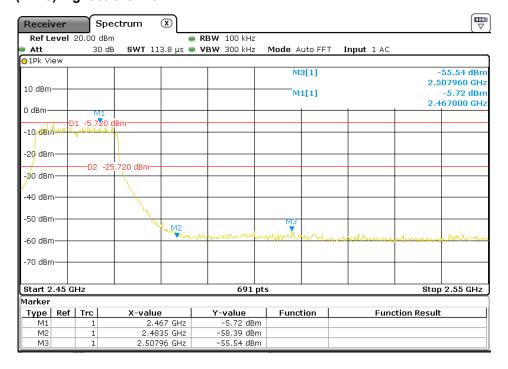
Page 48 of 54

Rev: None

802.11n(HT20)/lowest channel



802.11n(HT20)/highest channel

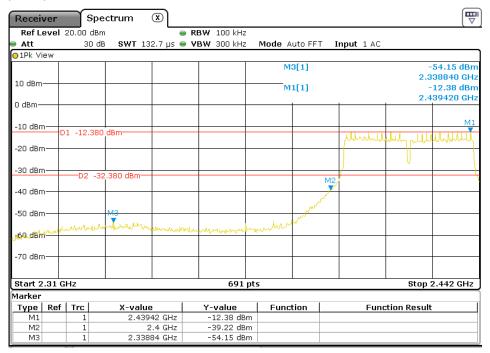




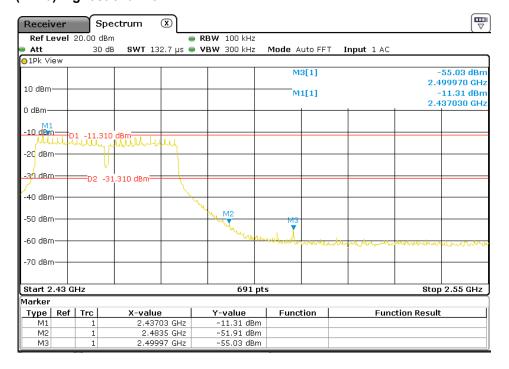
Page 49 of 54

Rev: None

802.11n(HT40)/lowest channel



802.11n(HT40)/highest channel





Page 50 of 54

Rev: None

5.8 Conducted Spurious Emissions

5.8.1 Applied procedures / Limit

15.247(d) 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, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.8.2 Test procedure

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting: RBW=100kHz, VBW≧RBW, Sweep time=Auto, Detector Function=Peak.

5.8.3 Deviation from standard

No deviation.

5.8.4 Test setup



Rev: None

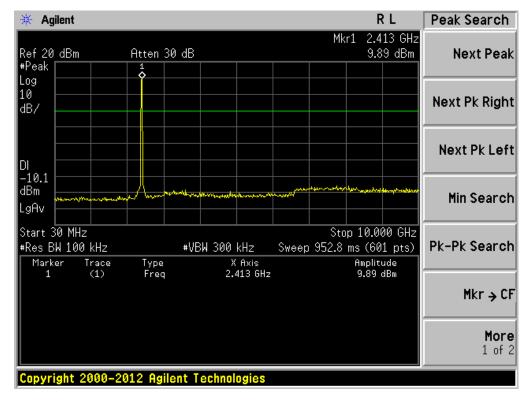


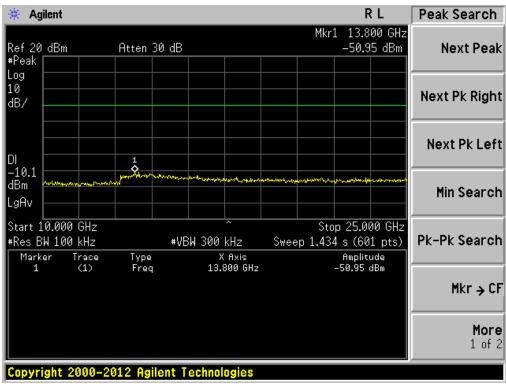
Page 51 of 54

5.8.5 Test results

Result plot as follows:

802.11b/lowest channel(worst case)



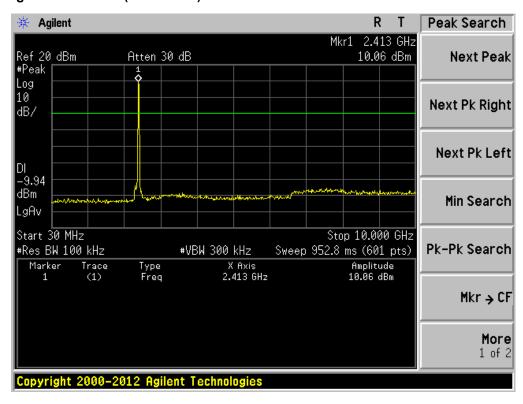


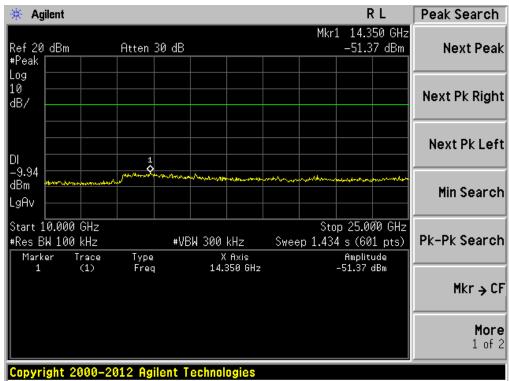


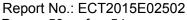
Page 52 of 54

Rev: None

802.11g/lowest channel(worst case)



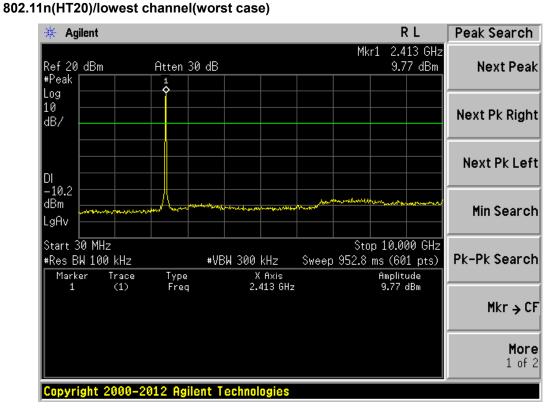


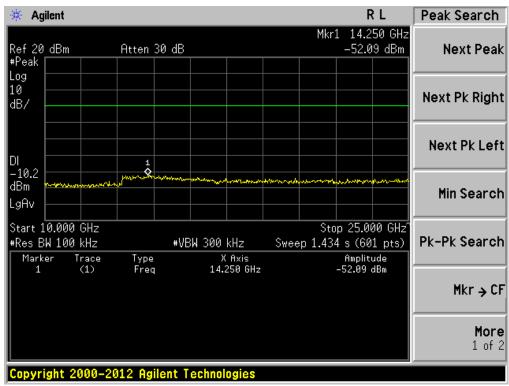


Page 53 of 54

Rev: None









Page 54 of 54

Rev: None



802.11n(HT40)/lowest channel(worst case)

