

47 CFR PART 15 SUBPART C

TEST REPORT

of

MID

Trade Name:

N/A

Brand Name:

N/A

Model No .:

M80VW

Report No .:

SZ10080111E04

FCC ID:

WED-M80VW

prepared for

Electronics Factory

NO.161, Xinmin Road, Tongluowei Industrial Zone, jinxia,changan Town, dongguan City Guangdong province, china

prepared by

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1 Summar Cert















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	Change History					
Issue Date Reason for change						
1.0	November 01, 2010	First edition				



TEST CERTIFICATION 1.

Equipment under Test: MID

Brand Name: N/A

Model Name: M80VW

FCC ID: WED-M80VW

Applicant: Electronics Factory

NO.161, Xinmin Road, Tongluowei Industrial Zone, jinxia,

changan Town, dongguan City Guangdong province, china

Manufacturer: Electronics Factory

NO.161, Xinmin Road, Tongluowei Industrial Zone, jinxia,

changan Town, dongguan City Guangdong province, china

Test Standards: 47 CFR Part 15 Subpart C

Test Date(s): September 26, 2010 – October 19, 2010

Test Result: PASS

* We Hereby Certify That:

Approved by:

The equipment under test was tested by Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory. The test data, data evaluation, test procedures and equipment configurations shown in this report were made in accordance with the requirement of related FCC rules.

The test results of this report only apply for the tested sample equipment identified above. The test report shall be invalid without all the signatures of the test engineer, the reviewer and the approver.

2010.11.2 Car 5) rendal Dated: .. Tested by: Cao Shaodong ation . Se 2010.11.02 Reviewed by: Ni Youq Certification Ni Yong 2010,11,2 Dated:

Shu Luan



2. GENERAL INFORMATION

2.1 EUT Description

EUT Type..... MID

Serial No. (n.a, marked #1 by test site)

Brand Name: (N/A)

Model No.: GSP0850110HT

Serial No.: (n.a. marked #1 by test site)

Capacitance: 3900mAh Rated Voltage: 3.7V

Manufacturer: Great Power Battery (Zhuhai) Co., Ltd

Ancillary Equipments 1......: AC Adapter (Charger for Battery)

Brand Name: (N/A)

Model Name: SX013UF-0550200UK
Serial No.: (n.a. marked #1 by test site)
Rated Input: ~ 100-240V, 0.4A,50/60Hz

Rated Output: = 5.5V, 2A

Manufacturer: Shenzhen superworld electronic technological co.,

LTD

- Note 1: The EUT is a MID. It supports GPS and Wi-Fi Module, with 802.11b/g interface. The EUT can connected to a computer via USB port receiving and transmitting data, and connected to a TV via the AVOUT port, receiving data, displaying video and audio on a TV though AV OUT port. And only the WIFI was tested in this report.
- Note 2: The frequencies allocated is F(MHz)=2412+5*(n-1) (1<=n<=11). The lowest, middle, highest channel numbers of the EUT used and tested in this report are separately 1 (2412MHz), 6 (2437MHz) and 11 (2462MHz).
- *Note 3:* For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



2.2 Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 15 Subpart C (Wi-Fi, 2.4GHz ISM band radiators) for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 15	Radio Frequency Devices
	(10-1-05 Edition)	

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Result
1	15.247(a)	Number of Hopping Frequency	(n.a)
2	15.247(b)	Peak Output Power	PASS
3	15.247(a)	Bandwidth	PASS
4	15.247(a)	Carrier Frequency Separation	(n.a)
5	15.247(a)	Time of Occupancy (Dwell time)	(n.a)
6	15.247(c)	Conducted Spurious Emission	PASS
7	15.247(c)	Band Edge	PASS
8	15.207	Conducted Emission	PASS
9	15.209 15.247(c)	Radiated Emission	PASS
10	15.247(d)	Power spectral density (PSD)	PASS

The tests of Conducted Emission and Radiated Emission were performed according to the method of measurements prescribed in ANSI C63.4 2003.



2.3 Facilities and Accreditations

2.3.1 Facilities

Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L3572.

All measurement facilities used to collect the measurement data are located at Electronic Testing Building, Shahe Road, Xili, Nanshan District, Shenzhen 518055 CHINA. The test site is constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22; the FCC registration number is 741109.

2.3.2 Test Environment Conditions

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

Temperature ($^{\circ}$ C):	20 - 25
Relative Humidity (%):	40 - 60
Atmospheric Pressure (kPa):	96





3. 47 CFR PART 15C REQUIREMENTS

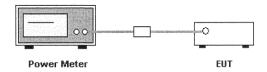
3.1 Peak Output Power

3.1.1 Requirement

According to FCC section 15.247(b)(3), for systems using digital modulation in the 2400MHz to 1483.5MHz band, the maximum peak conducted output power of the intentional radiator shall not exceed 1Watt.

3.1.2 Test Description

A. Test Setup:



The EUT of the EUT, which is powered by the Battery, is coupled to the Power Meter; the RF load attached to the EUT antenna terminal is 500hm; the path loss as the factor is calibrated to correct the reading.



3.1.3 Test Result

The EUT operates at hopping-off test mode. The lowest, middle and highest channels are selected to perform testing to verify the conducted RF output peak power of the Module.

3.1.3.1 802.11.b Test mode

A. Test Verdict:

Channal	Emaguan ay (MHz)	Measu	red Output Peak Power	Limit		Verdict
Chamiei	Channel Frequency (MHz)		W	dBm	W	verdict
1	2412	12.67	0.018			PASS
6	2437	10.65	0.012	30	1	PASS
11	2462	10.25	0.011			PASS

3.1.3.2 802.11.g Test mode

B. Test Verdict:

Channal	Eraguanay (MHz)	Measured Output Peak Power		Limit		Verdict
Channel	Channel Frequency (MHz)		W	dBm	W	verdict
1	2412	8.07	0.006			PASS
6	2437	7.12	0.005	30	1	PASS
11	2462	6.81	0.005			PASS

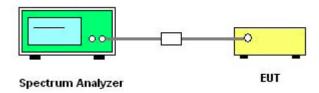


3.2 Bandwidth

3.2.1 Definition

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW. The 6 dB bandwidth must be greater than 500 kHz.

3.2.2 Test Description



The EUT of the EUT, which is powered by the Battery, is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 500hm; the path loss as the factor is calibrated to correct the reading.

3.2.2.1 Test Result

The lowest, middle and highest channels are selected to perform testing to record the 6 dB bandwidth of the Module.

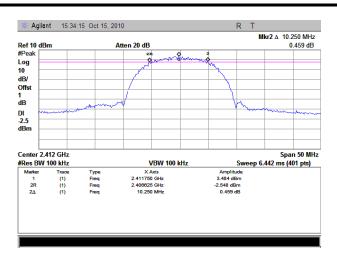
3.2.3.1 802.11.b Test mode

A. Test Verdict:

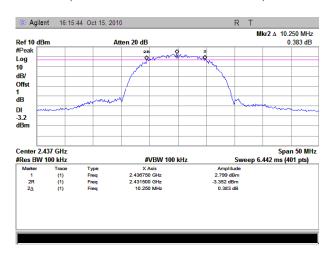
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Refer to Plot	Limits (kHz)	Result
1	2412	10.25	Plot A	≥500	PASS
6	2437	10.25	Plot B	≥500	PASS
11	2462	10.375	Plot C	≥500	PASS

B. Test Plot:

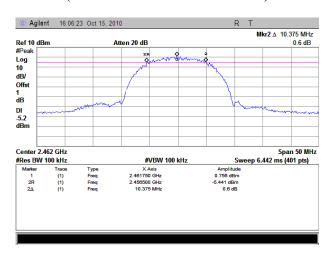




(Plot A: Channel 1: 2412MHz)



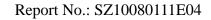
(Plot B: Channel 6: 2437 MHz)



(Plot C: Channel 11: 2462MHz)

3.2.3.2 802.11.g Test mode

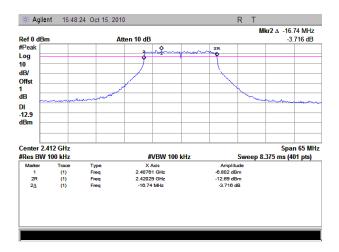
C. Test Verdict:



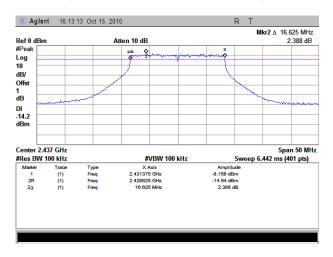


Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Refer to Plot	Limits (kHz)	Result
1	2412	16.74	Plot D	≥500	PASS
6	2437	16.625	Plot E	≥500	PASS
11	2462	16.625	Plot F	≥500	PASS

D. Test Plot:

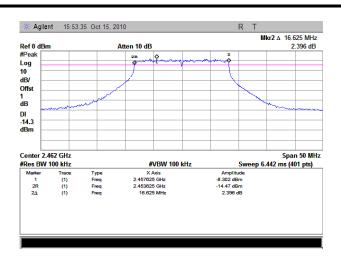


(Plot A: Channel 1: 2412MHz)



(Plot B: Channel 6: 2437MHz)





(Plot C: Channel 11: 2462MHz)



3.3 Conducted Spurious Emissions

3.3.1 Requirement

According to FCC section 15.247(c), in any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

3.3.2 Test Description

See section 3.1.2 of this report.

3.3.3 Test Result

The EUT operates at hopping-off test mode. The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions.

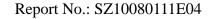
3.3.3.1 802.11.b Test mode

A. Test Verdict:

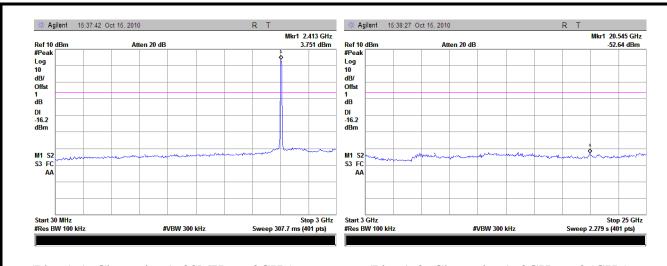
l Channel I	Eraguanav	Measured Max.		Limit (dBm)		
	Frequency (MHz)	Out of Band	Refer to Plot	Carrier	Calculated	Verdict
		Emission (dBm)		Level	-20dBc Limit	
1	2412	-52.64	Plot A.1/A.2	3.751	-16.2	PASS
6	2437	-52.83	Plot B.1/B.2	2.795	-17.2	PASS
11	2462	-52.71	Plot C.1/C.2	0.88	-19.1	PASS

B. Test Plot:

Note: the power of the Module transmitting frequency should be ignored.

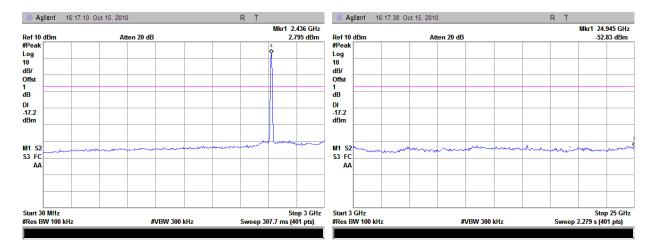






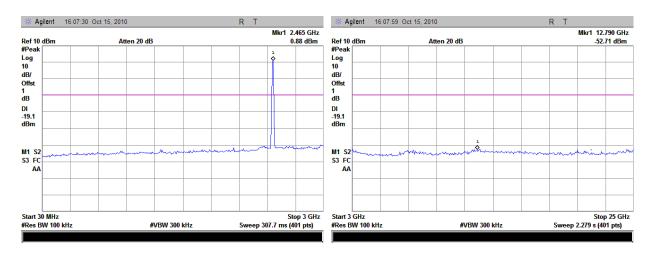
(Plot A.1: Channel = 1, 30MHz to 3GHz)

(Plot A.2: Channel = 1, 3GHz to 25GHz)



(Plot B.1: Channel = 6, 30MHz to 3GHz)

(Plot B.2: Channel = 6, 3GHz to 25GHz)



(Plot C.1: Channel = 11, 30MHz to 3GHz)

(Plot C.2: Channel = 11, 3GHz to 25GHz)

3.3.3.2 802.11.g Test mode

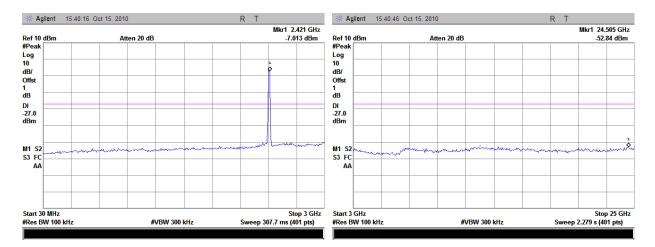
C. Test Verdict:



Channel	Emaguamay	Measured Max.			Limit (dBm)		
	Channel Frequency (MHz)	Out of E	Band	Refer to Plot	Carrier	Calculated	Verdict
		Emission (dBm)			Level	-20dBc Limit	
1	2412	-52.84		Plot D.1/D.2	-7.013	-27.0	PASS
6	2437	-51.64		Plot E.1/E.2	-7.375	-19.4	PASS
11	2462	-61.77		Plot F.1/F.2	-8.009	-28.0	PASS

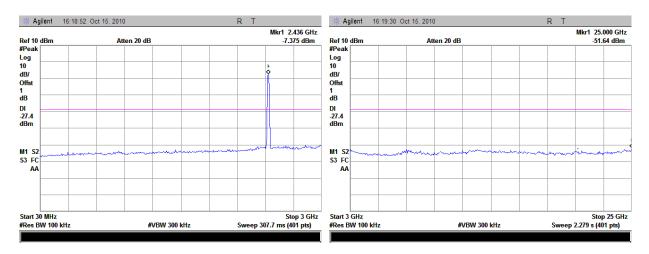
D. Test Plot:

Note: the power of the Module transmitting frequency should be ignored.



(Plot D.1: Channel = 1, 30MHz to 3GHz)

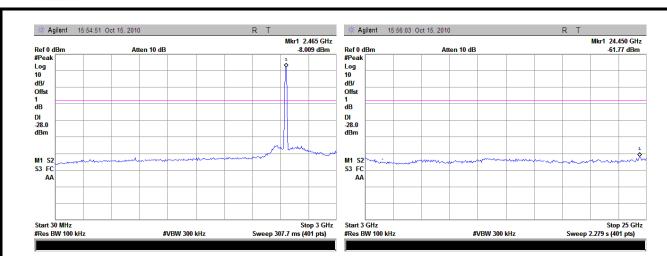
(Plot D.2: Channel = 1, 3GHz to 25GHz)



(Plot E.1: Channel = 6, 30MHz to 3GHz)

(Plot E.2: Channel = 6, 3GHz to 25GHz)





(Plot F.1:Channel = 11, 30MHz to 3GHz)

(Plot F.2: Channel = 11, 3Gz to 25GHz)



3.4 Power spectral density (PSD)

3.4.1 Requirement

According to FCC section 15.247(d), the same method of determining the conducted output power shall be used to determine the power spectral density. If a peak output power is measured, then a peak power spectral density measurement is required. If an average output power is measured, then an average power spectral density measurement should be used.

3.4.2 Test Description

See section 3.1.2 of this report.

3.4.3 Test Result

The lowest, middle and highest channels are tested to verify the band edge emissions.

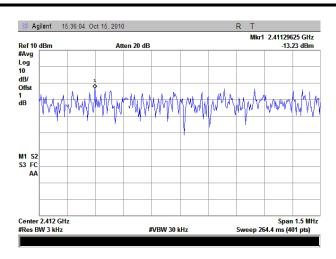
3.4.3.1 802.11.b Test mode

A. Test Verdict:

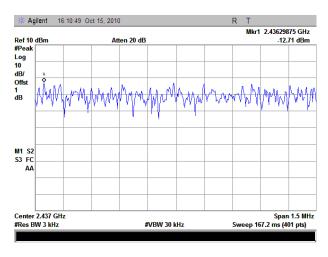
Spectral power density (dBm/3KHz)								
Channel: 1 Frequency, 2412MHz		Chan Frequency		Channel: 11 Frequency, 2462MHz				
Test Result	Test plot	Test Result	Test plot	Test Result	Test plot			
-13.23	Plot A	-12.71	Plot B	-13.03	Plot C			
Measurement uncertainty: ±1.3dB								

Test Plot:

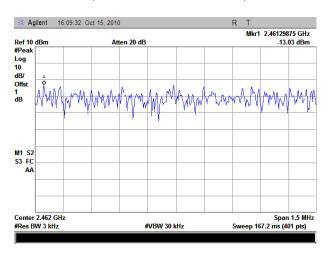




(Plot A: Channel = 1)



(Plot B: Channel = 6)



(Plot C: Channel = 11)

3.4.3.2 802.11.g Test mode

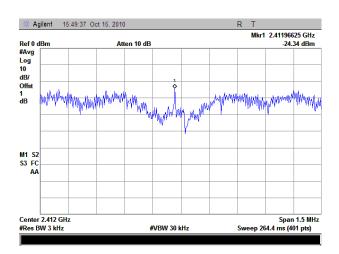
B. Test Verdict:



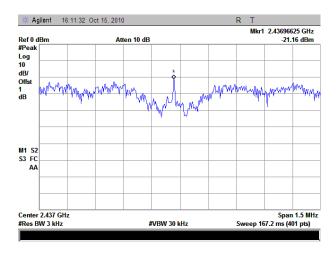


Spectral power density (dBm/3KHz)							
Chan Frequency	nel: 1 , 2412MHz	Chan Frequency	nel: 6 , 2437MHz	Channel: 11 Frequency, 2462MHz			
Test Result	Test plot	Test Result	Test plot	Test Result	Test plot		
-24.34	Plot D	-21.16	Plot E	-23.85	Plot F		
Measurement uncertainty: ±1.3dB							

Test Plot:

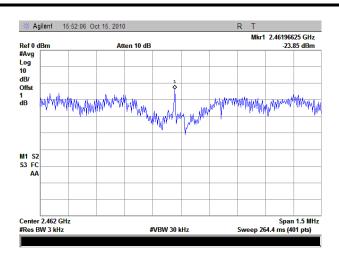


(Plot D: Channel = 1)



(Plot E: Channel = 6)





(Plot F: Channel = 11)





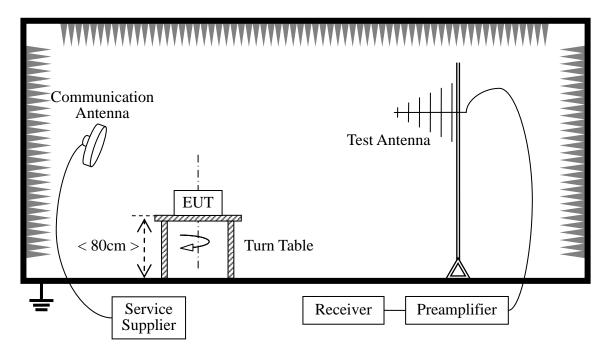
3.5 Band Edge

3.5.1 Requirement

According to FCC section 15.247(c), in any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

3.5.2 Test Description

A. Test Setup



The Module of the EUT is powered by the Battery charged with the AC Adapter. The Module is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.

For the Test Antenna:

Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength..

C. Equipments List:

	Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
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Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Receiver	Agilent	E7405A	US44210471	2009.9	2year
Full-Anechoic Chamber	Albatross	9m*6m*6m	(n.a.)	2009.9	2year
Test Antenna	Schwarzbeck	BBHA 9120C	9120C-384	2009.9	2year

3.5.3 Test Result

The EUT operates at hopping-off test mode. The lowest and highest channels are tested to verify the band edge emissions.

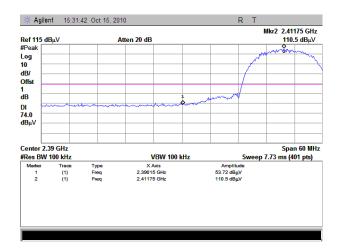
3.5.3.1 802.11.b Test mode

The lowest and highest channels are tested to verify the band edge emissions.

A. Test Verdict:.

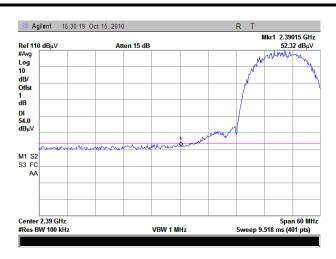
Channel	Frequency	Max. Emiss Restricted Ban	Limit (dB µV/m)		Verdict	
	(MHz)	PK	AV	PK	AV	
1	2412	53.72	52.32	74	54	PASS
11	2462	48.23	47.44	74	54	PASS

B. Test Plot:

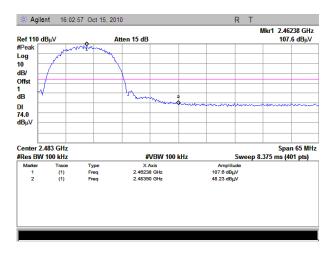


(Plot A1: Channel = 1 PEAK)

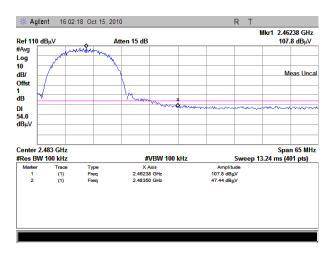




(Plot A2: Channel = 1 AVG)



(Plot B1: Channel = 11 PEAK)



(Plot B2: Channel = 11 AVG)

3.5.3.2 802.11.g Test mode

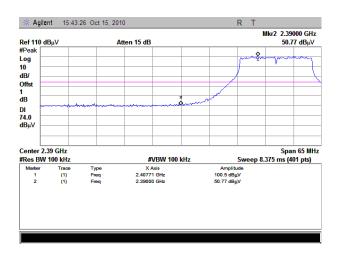
The lowest and highest channels are tested to verify the band edge emissions.



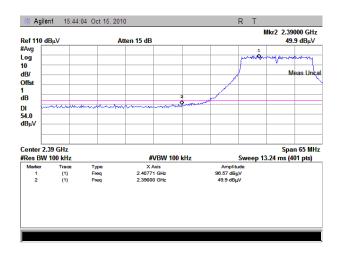
C. Test Verdict:.

Channel	Frequency (MHz)	Max. Emiss Restricted Ban	Limit (dB μV/m)		Verdict	
	(MHZ)	PK	AV	PK	AV	
1	2412	50.77	49.9	74	54	PASS
11	2462	47.25	47.17	74	54	PASS

D. Test Plot:

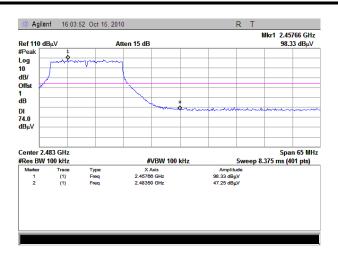


(Plot C1: Channel = 1 PEAK)

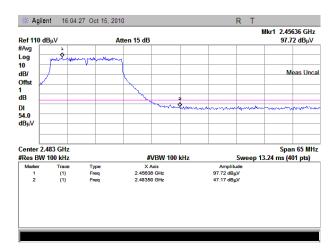


(Plot C2: Channel = 1 AVG)





(Plot D1: Channel = 11 PEAK)



(Plot D2: Channel = 11 AVG)



3.6 Conducted Emission

3.6.1 Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a $50 \,\mu\text{H}/50\Omega$ line impedance stabilization network (LISN).

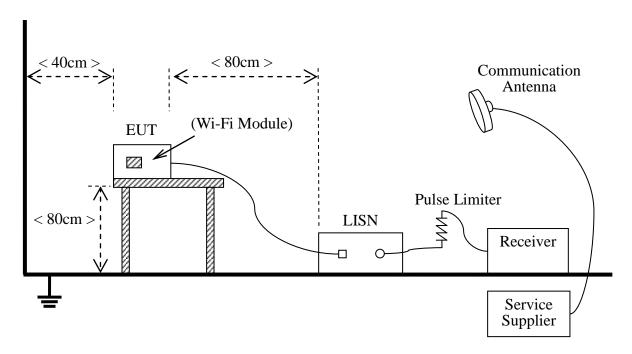
Eraguanay ranga (MUz)	Conducted Limit (dB µV)				
Frequency range (MHz)	Quai-peak	Average			
0.15 - 0.50	66 to 56	56 to 46			
0.50 - 5	56	46			
5 - 30	60	50			

NOTE:

- (a) The lower limit shall apply at the band edges.
- (b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 0.50MHz.

3.6.2 Test Description

A. Test Setup:



The EUT of the EUT is powered by the Battery charged with the AC Adapter which is powered by 120V, 60Hz AC mains supply. The factors of the site are calibrated to correct the reading. During the measurement, the EUT is activated and controlled by the Wi-Fi Service Supplier (SS) via a Common



Antenna, and is set to operate under hopping-on test mode transmitting 339 bytes DH5 packages at maximum power.

B. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Receiver	Agilent	E7405A	US44210471	2009.09	2year
LISN	Schwarzbeck	NSLK 8127	812744	2009.09	2year
Service Supplier	R&S	CMU200	100448	2009.09	2year
Pulse Limiter (20dB)	Schwarzbeck	VTSD 9561-D	9391	(n.a.)	(n.a.)

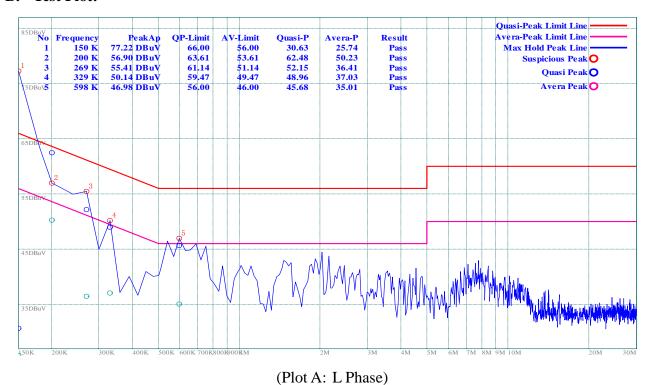
3.6.3 Test Result

The maximum conducted interference is searched using Peak (PK), Quasi-peak (QP) and Average (AV) detectors; the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

3.6.3.1 Test mode (WI-FI)

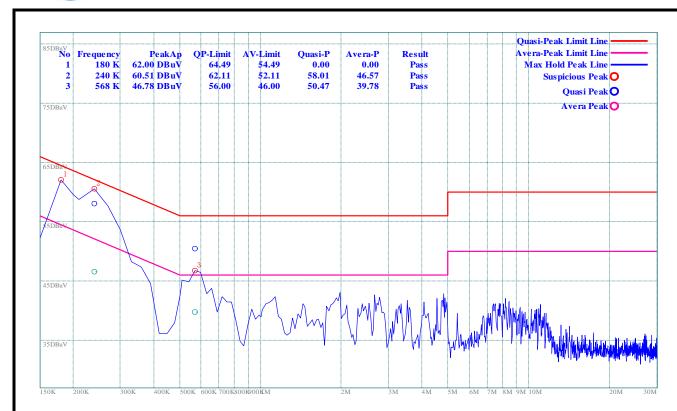
A. Test setup: The EUT configuration of the emission tests is $\underline{EUT + Battery + Charger + wireless network}$.

B. Test Plot:









(Plot B: N Phase)



3.7 Radiated Emission

3.7.1 Requirement

According to FCC section 15.247(c), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

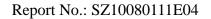
According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (µV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

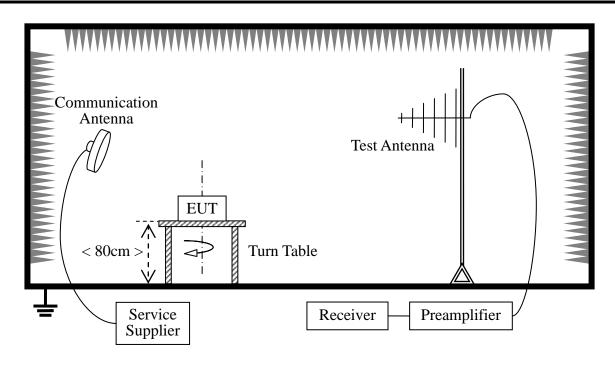
As shown in FCC section 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector. When average radiated emission measurements are specified in this part, including emission measurements below 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit for the frequency being investigated unless a different peak emission limit is otherwise specified in the rules.

3.7.2 Test Description

A. Test Setup:







The EUT of the EUT is powered by the Battery charged with the AC Adapter which is powered by 120V, 60Hz AC mains supply. The Module is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading. During the measurement, the EUT is activated and controlled by the Wireless Router via a Common Antenna, and is set to operate under hopping-on test mode.

For the Test Antenna:

- (a) In the frequency range of 9kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.
- (b) In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. The emission levels at both horizontal and vertical polarizations should be tested.

B. Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
System Simulator	R&S	CMU200	100448	2009.09	2year
Receiver	Agilent	E7405A	US44210471	2009.09	2year
Semi-Anechoic Chamber	Albatross	9m*6m*6m	(n.a.)	2009.09	2year
Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	9163-274	2009.09	2year
Test Antenna - Horn	Schwarzbeck	BBHA 9120C	9120C-384	2009.09	2year



3.7.3 Test Result

3.7.3.1 802.11.b Test mode

The maximum radiated emission is searched using PK, QP and AV detectors; the emission levels more than the limits, and that have narrow margins from the limits will be re-measured with AV and QP detectors.

A. Test Verdict for Harmonics:

The Fundamental Emissions

The field strength of {Fundamental Emission} listed below is recorded, and used in the next table.

Channel	Frequency	Fundamental Emiss	Fundamental Emission (dB μV/m)		Refer to Plot	
Chamiei	(MHz)	PK	AV Polarization		Refer to Plot	
1	2412	60.15	54.03	Horizontal	Plot A.2	
1	2412	66.50	60.15	Vertical	Plot A.3	
6	2437	61.07	57.07	Horizontal	Plot B.2	
6	2437	67.06	62.01	Vertical	Plot B.3	
11	2462	57.38	54.13	Horizontal	Plot C.2	
11	2462	62.82	57.25	Vertical	Plot C.3	

The un-wanted Emissions:

Test result of channel: 1 (2412MHz)

Frequency	PK Level	Limits	Margin	Height	Azimuth	Antenna
(MHz)	$(dB \mu V/m)$	$(dB\mu V/m)$	(dB)	(cm)	(deg)	Polarization
504.3 M	38.93	46	-7.07	100	33	Horizontel
504.3 M	45.28	46	-0.72	100	167	Vertical

Test result of channel: 6 (2437MHz)

Frequency	PK Level	Limits	Margin	Height	Azimuth	Antenna
(MHz)	$(dB \mu V/m)$	$(dB\mu V/m)$	(dB)	(cm)	(deg)	Polarization
504.3 M	43.96	46	-2.04	100	23	Horizontel
504.3 M	43.6	46	-2.4	100	166	Vertical

Test result of channel: 11 (2462MHz)

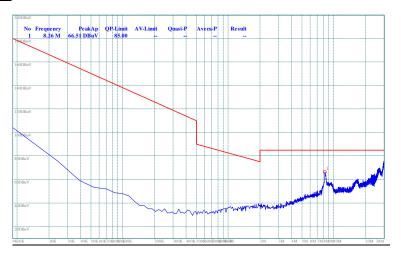
Frequency	PK Level	Limits	Margin	Height	Azimuth	Antenna
(MHz)	$(dB \mu V/m)$	$(dB\mu V/m)$	(dB)	(cm)	(deg)	Polarization
504.3 M	45.31	46	-0.69	100	26	Horizontel
504.3 M	44.72	46	-1.28	100	151	Vertical



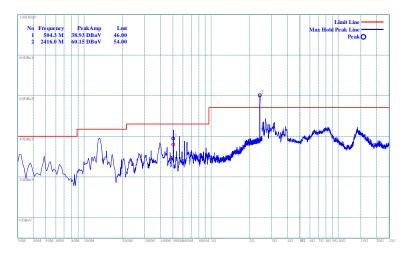


B. Test Plot for the Whole Measurement Frequency Range:

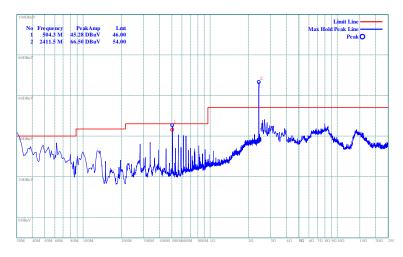
Plots for Channel = 1



(Plot A.1: 9kHz to 30MHz)



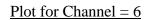
(Plot A.2: Antenna Horizontal, 30MHz to 25GHz)

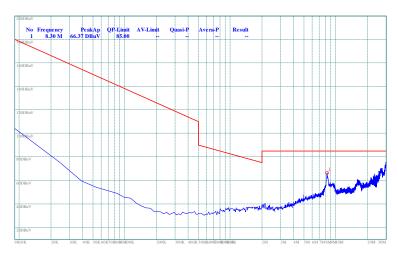


(Plot A.3: Antenna Vertical, 30MHz to 25GHz)

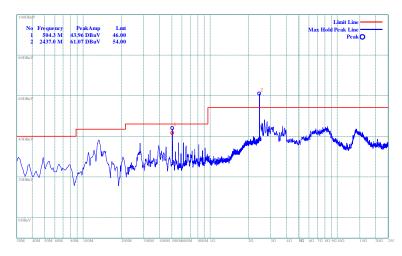




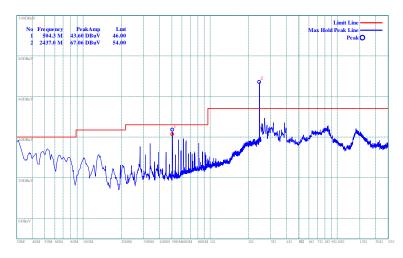




(Plot B.1: 9kHz to 30MHz)



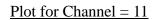
(Plot B.2: Antenna Horizontal, 30MHz to 25GHz)

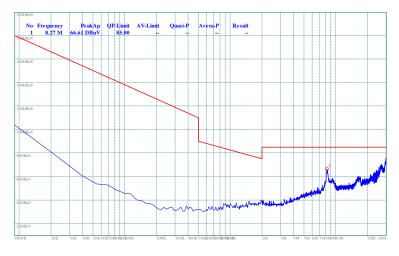


(Plot B.3: Antenna Vertical, 30MHz to 25GHz)

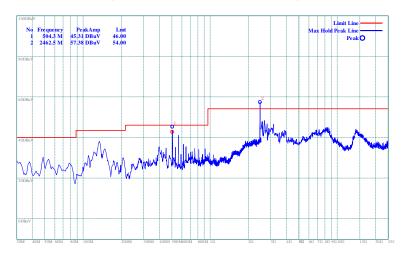




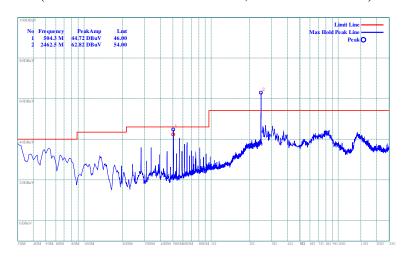




(Plot C.1: 9kHz to 30MHz)



(Plot C.2: Antenna Horizontal, 30MHz to 25GHz)



(Plot C.3: Antenna Vertical, 30MHz to 25GHz)



3.7.3.2 802.11.g Test mode

The maximum radiated emission is searched using PK, QP and AV detectors; the emission levels more than the limits, and that have narrow margins from the limits will be re-measured with AV and QP detectors.

A. Test Verdict for Harmonics:

The Fundamental Emissions

The field strength of {Fundamental Emission} listed below is recorded, and used in the next table.

Channel	Frequency	Fundamental Emiss	ion (dB μV/m)	Antenna	Refer to Plot	
	(MHz)	PK	AV	Polarization	Refer to Piot	
1	2412	52.20	46.87	Horizontal	Plot A.2	
	2412	56.86	52.03	Vertical	Plot A.3	
6	()427	47.69	43.22	Horizontal	Plot B.2	
6 2437	2437	55.23	51.07	Vertical	Plot B.3	
11	2462	48.04	42.56	Horizontal	Plot C.2	
		53.64	49.68	Vertical	Plot C.3	

The un-wanted Emissions:

Test result of channel: 1 (2412MHz)

Frequency	PK Level	Limits	Margin	Height	Azimuth	Antenna
(MHz)	$(dB \mu V/m)$	$(dB\mu V/m)$	(dB)	(cm)	(deg)	Polarization
504.3 M	43.64	46	-2.36	100	37	Horizontel
504.3 M	44.87	46	-1.13	100	178	Vertical

Test result of channel: 6 (2437MHz)

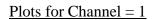
Frequency	PK Level	Limits	Margin	Height	Azimuth	Antenna
(MHz)	$(dB \mu V/m)$	$(dB\mu V/m)$	(dB)	(cm)	(deg)	Polarization
504.3 M	46.13	46	0.13	100	35	Horizontel
504.3 M	45.08	46	-0.92	100	113	Vertical

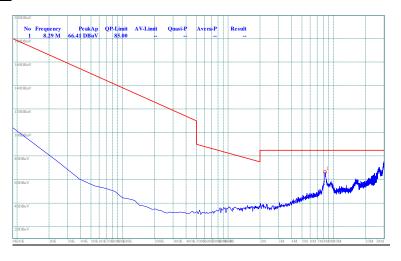
Test result of channel: 11 (2462MHz)

Frequency	PK Level	Limits	Margin	Height	Azimuth	Antenna
(MHz)	$(dB \mu V/m)$	$(dB\mu V/m)$	(dB)	(cm)	(deg)	Polarization
504.3 M	45.51	46	-0.49	100	33	Horizontel
504.3 M	44.92	46	-1.08	100	114	Vertical

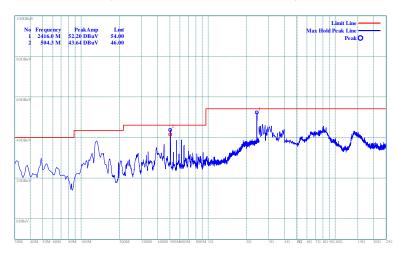
B. Test Plot for the Whole Measurement Frequency Range:



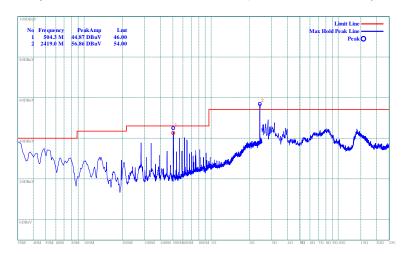




(Plot A.1: 9kHz to 30MHz)



(Plot A.2: Antenna Horizontal, 30MHz to 25GHz)

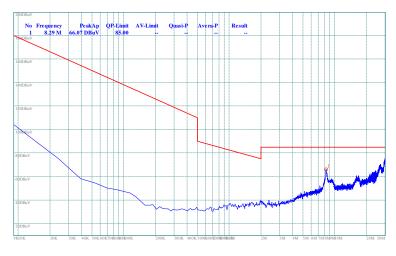


(Plot A.3: Antenna Vertical, 30MHz to 25GHz)

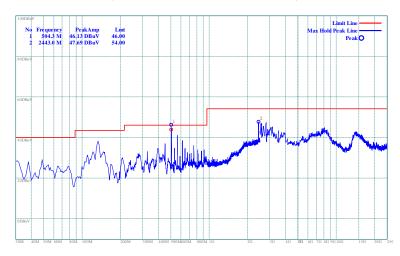




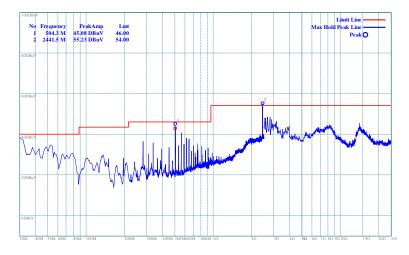
Plot for Channel = 6



(Plot B.1: 9kHz to 30MHz)



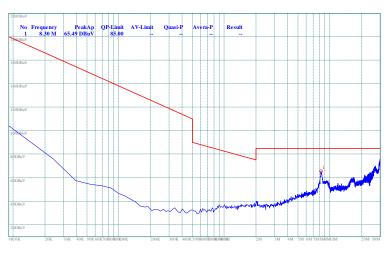
(Plot B.2: Antenna Horizontal, 30MHz to 25GHz)



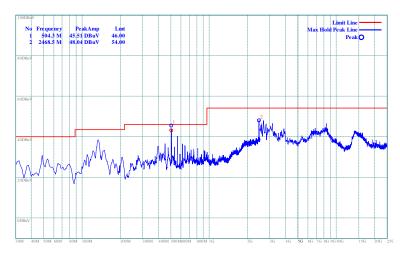
(Plot B.3: Antenna Vertical, 30MHz to 25GHz)

Plot for Channel = 11

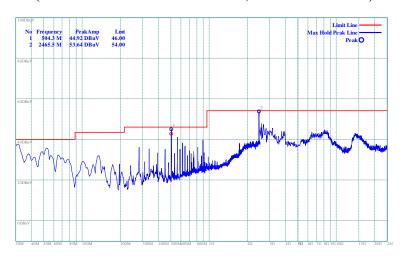




(Plot C.1: 9kHz to 30MHz)



(Plot C.2: Antenna Horizontal, 30MHz to 25GHz)



(Plot C.3: Antenna Vertical, 30MHz to 25GHz)

** END OF REPORT **