RF TEST REPORT



Report No.: 17070263-FCC-R4

Supersede Report No.: N/A

Applicant	Verykool U	SA Inc		
Product Name	Mobile Pho	ne		
Model No.	s5528			
Serial No.	N/A			
Test Standard	FCC Part 1	5.247: 2016	, ANSI C63.10: 2	2013
Test Date	April 07 to	April 21, 201	7	
Issue Date	April 22, 20	17		
Test Result	Pass	Fail		
Equipment compl	ied with the	specification	~	
Equipment did no	t comply with	n the specific	cation	
Loven	Luo	David	Huang	
Loren Luo Test Engineer			d Huang cked By	

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Test result presented in this test report is applicable to the tested sample only

Issued by:

SIEMIC (SHENZHEN-CHINA) LABORATORIES

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Laboratories Introduction

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Accreditations for Conformity Assessment

Country/Region	Scope
USA	EMC, RF/Wireless, SAR, Telecom
Canada	EMC, RF/Wireless, SAR, Telecom
Taiwan	EMC, RF, Telecom, SAR, Safety
Hong Kong	RF/Wireless, SAR, Telecom
Australia	EMC, RF, Telecom, SAR, Safety
Korea	EMI, EMS, RF, SAR, Telecom, Safety
Japan	EMI, RF/Wireless, SAR, Telecom
Singapore	EMC, RF, SAR, Telecom
Europe	EMC, RF, SAR, Telecom, Safety



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1. Report Revision History

Report No.	Report Version	Description	Issue Date
17070263-FCC-R4	NONE	Original	April 22, 2017

2. Customer information

Applicant Name	Verykool USA Inc
Applicant Add	3636 Nobel Drive, Suite 325, San Diego, California 92122 United States
Manufacturer	FortuneShip International Industrial Ltd
Manufacturer Add	6/F, Kanghesheng Building, No.1 Chuangsheng Road, Nanshan District,
	Shenzhen, Guangdong, China

3. Test site information

Lab performing tests	SIEMIC (Shenzhen-China) LABORATORIES	
	Zone A, Floor 1, Building 2 Wan Ye Long Technology Park	
Lab Address	South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangdong China	
	518108	
FCC Test Site No.	718246	
IC Test Site No.	4842E-1	
Test Software of	Dedicted Emission Drawson To Chamban v2.0	
Radiated Emission	Radiated Emission Program-To Shenzhen v2.0	
Test Software of	E7 FMC(::an lan 02A4)	
Conducted Emission	EZ-EMC(ver.lcp-03A1)	



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4. Equipment under Test (EUT) Information

Description of EUT: Mobile Phone

Main Model: s5528

Serial Model: N/A

Date EUT received: April 06, 2017

Test Date(s): April 07 to April 21, 2017

Equipment Category: DTS

GSM850: 0.5dBi PCS1900:1.3dBi

UMTS-FDD Band V: 0.5dBi

Antenna Gain: UMTS-FDD Band IV: 0.5dBi

UMTS-FDD Band II: 0.5dBi

WIFI: -0.3dBi

Bluetooth/BLE:0.5dBi

GPS: 0.2dBi

Antenna Type: PIFA antenna

GSM / GPRS: GMSK

EGPRS: GMSK,8PSK

UMTS-FDD: QPSK

Type of Modulation: 802.11b/g/n: DSSS, OFDM

Bluetooth: GFSK, π /4DQPSK, 8DPSK

BLE: GFSK GPS:BPSK

GSM850 TX: 824.2 ~ 848.8 MHz; RX: 869.2 ~ 893.8 MHz

PCS1900 TX: 1850.2 ~ 1909.8 MHz; RX: 1930.2 ~ 1989.8 MHz

UMTS-FDD Band V TX: 826.4 ~ 846.6 MHz; RX: 871.4 ~ 891.6 MHz

RF Operating Frequency (ies): UMTS-FDD Band IV TX:1712.4 ~ 1752.6 MHz;

RX: 2112.4 ~ 2152.6 MHz

UMTS-FDD Band II TX:1852.4 ~ 1907.6 MHz;

RX: 1932.4 ~ 1987.6 MHz



Number of Channels:

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WIFI: 802.11b/g/n(20M): 2412-2462 MHz WIFI: 802.11n(40M): 2422-2452 MHz Bluetooth& BLE: 2402-2480 MHz

GPS: 1575.42 MHz

802.11b: 8.87 dBm

Max. Output Power: 802.11g: 8.87 dBm

802.11n(20M): 8.92 dBm 802.11n(40M): 8.53 dBm

GSM 850: 124CH PCS1900: 299CH

UMTS-FDD Band V: 102CH UMTS-FDD Band IV: 202CH UMTS-FDD Band II: 277CH

WIFI:802.11b/g/n(20M): 11CH

WIFI:802.11n(40M): 7CH

Bluetooth: 79CH

BLE: 40CH GPS:1CH

Port: USB Port, Earphone Port

Adapter:

Model: TPA-46D050100UU

Input: AC100-240V~50/60Hz,0.2A

Output: DC 5.0V,1.0A

Input Power:

Battery:

Model: RS628

Spec: 3.8V,3000mAh,11.4Wh

voltage: 4.35V

Trade Name: verykool

GPRS/EGPRS Multi-slot class 8/10/12

FCC ID: WA6S5528



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5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

FCC Rules	Description of Test	Result	
§15.203	Antenna Requirement	Compliance	
§15.247 (a)(2)	DTS (6 dB&20 dB) CHANNEL BANDWIDTH	Compliance	
§15.247(b)(3)	Conducted Maximum Output Power	Compliance	
§15.247(e)	Power Spectral Density	Compliance	
§15.247(d)	Band-Edge & Unwanted Emissions into Restricted Frequency Bands	Compliance	
§15.207 (a),	AC Power Line Conducted Emissions	Compliance	
§15.205, §15.209,	Radiated Emissions & Unwanted Emissions	Compliance	
§15.247(d)	into Restricted Frequency Bands		

Measurement Uncertainty

Emissions				
Test Item	Description	Uncertainty		
Band Edge& Restricted Band and Radiated Emissions& Restricted Band	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m)	+5.6dB/-4.5dB		
-	-	-		



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6. Measurements, Examination And Derived Results

6.1 Antenna Requirement

Applicable Standard

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. 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 user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT has 2 antennas:

A permanently attached PIFA antenna for GSM/PCS/UMTS-FDD Band V/UMTS-FDD Band IV /UMTS-FDD Band IV /UMTS-FDD Band IV /UMTS-FDD Band IV /UMTS-FDD Band II, the gain is 1.3dBi for PCS.

A permanently attached PIFA antenna for Bluetooth/WIFI/BLE/GPS, the gain is 0.5dBi for Bluetooth/BLE, the gain is -0.3dBi for WIFI, the gain is 0.2dBi for GPS.

The antenna meets up with the ANTENNA REQUIREMENT.

Result: Compliance.



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6.2 DTS (6 dB&20 dB) Channel Bandwidth

Temperature	24 °C
Relative Humidity	52%
Atmospheric Pressure	1019mbar
Test date :	April 19, 2017
Tested By :	Loren Luo

	ı				
Spec	Item Requirement Applica				
§ 15.247(a)(2)	a)	a) 6dB BW≥ 500kHz; 20dB BW≥ 500kHz; ✓			
RSS Gen(4.6.1)	b) 99% BW: For FCC reference only; required by IC.				
Test Setup	Spectrum Analyzer EUT				
	55807	4 D01 DTS MEAS Guidance v03r03, 8.1 DTS bandwidth			
	6dB b	andwidth_			
	a) Se	t RBW = 100 kHz.			
	b) Set the video bandwidth (VBW) ≥ 3 × RBW.				
	c) Detector = Peak.				
	d) Trace mode = max hold.				
	e) Sweep = auto couple.				
	f) Allow the trace to stabilize.				
	g) Measure the maximum width of the emission that is constrained by the freq				
Test Procedure	uencies associated with the two outermost amplitude points (upper and lower fr				
rest roccdure	equencies) that are attenuated by 6 dB relative to the maximum level measure				
	d in the fundamental emission.				
	20dB bandwidth				
	C63.10 Occupied Bandwidth (OBW=20dB bandwidth)				
	1. Set RBW = 1%-5% OBW.				
	2. Set the video bandwidth (VBW) ≥ 3 x RBW.				
	3. Set the span range between 2 times and 5 times of the OBW.				
	4. Sweep time=Auto, Detector=PK, Trace=Max hold.				
		nce the reference level is established, the equipment is con	ditioned with t		
	ypical	modulating signals to produce the worst-			



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_	
	case (i.e., the widest) bandwidth. Unless otherwise specified for an unlicensed
	wireless device, measure the bandwidth at the 20 dB levels with respect to the
	reference level.
Remark	
Result	Pass

Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	□ _{N/A}

Measurement result

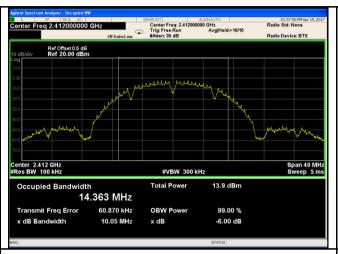
Test mode	СН	Freq (MHz)	6dB Bandwidth (MHz)	20dB Bandwidth (MHz)	Limit (MHz)
	Low	2412	10.05	16.32	≥ 0.5
802.11b	Mid	2437	10.05	16.33	≥ 0.5
	High	2462	10.06	16.32	≥ 0.5
	Low	2412	16.02	18.97	≥ 0.5
802.11g	Mid	2437	15.78	18.74	≥ 0.5
	High	2462	15.46	18.80	≥ 0.5
000 445	Low	2412	15.70	19.26	≥ 0.5
802.11n	Mid	2437	15.96	19.21	≥ 0.5
(20M)	High	2462	16.27	19.29	≥ 0.5
000 44	Low	2422	35.15	39.11	≥ 0.5
802.11n	Mid	2437	35.18	39.20	≥ 0.5
(40M)	High	2452	35.66	39.01	≥ 0.5

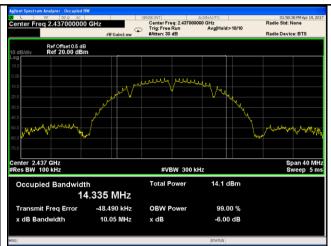


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Test Plots

6dB Bandwidth measurement result

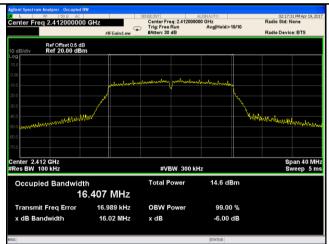




802.11b 6dB Bandwidth - Low CH 2412

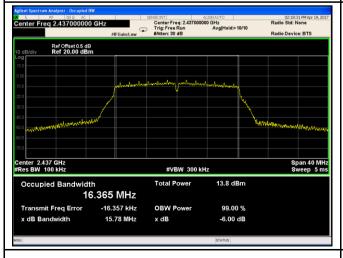
802.11b 6dB Bandwidth - Mid CH 2437

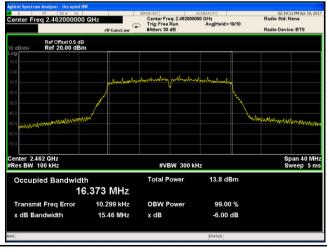




802.11b 6dB Bandwidth - High CH 2462

802.11g 6dB Bandwidth - Low CH 2412





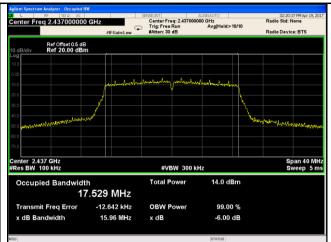
802.11g 6dB Bandwidth - Mid CH 2437

802.11g 6dB Bandwidth - High CH 2462

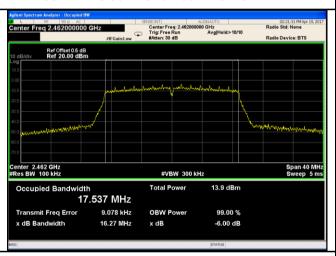


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802.11n20 6dB Bandwidth - Low CH 2412



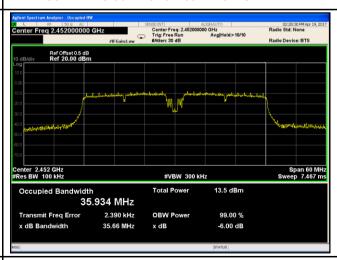
802.11n20 6dB Bandwidth - Mid CH 2437



802.11n20 6dB Bandwidth - High CH 2462



802.11n40 6dB Bandwidth - Low CH 2422



802.11n40 6dB Bandwidth - Mid CH 2437

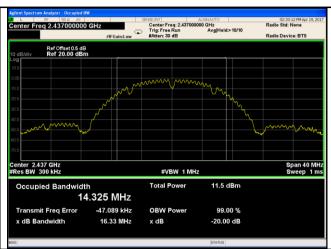
802.11n40 6dB Bandwidth - High CH 2452



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20 dB Bandwidth measurement result

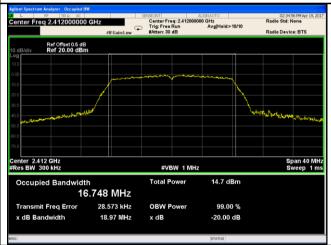




802.11b 20dB Bandwidth - Low CH 2412

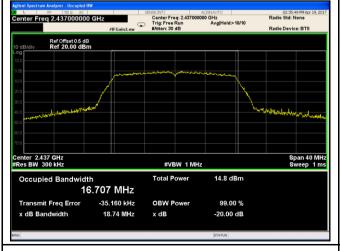
802.11b 20dB Bandwidth - Mid CH 2437





802.11b 20dB Bandwidth - High CH 2462

802.11g 20dB Bandwidth - Low CH 2412





802.11g 20dB Bandwidth - Mid CH 2437

802.11g 20dB Bandwidth - High CH 2462

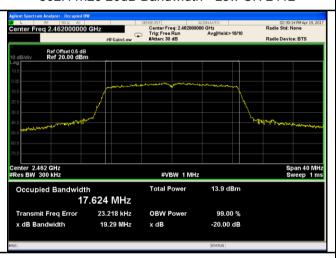


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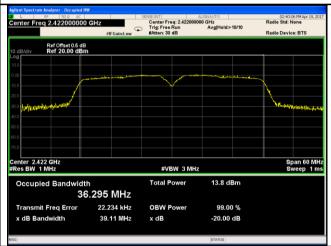




802.11n20 20dB Bandwidth - Low CH 2412



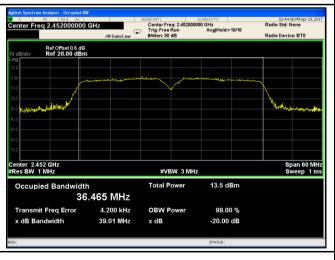
802.11n20 20dB Bandwidth - Mid CH 2437



802.11n20 20dB Bandwidth - High CH 2462



802.11n40 20dB Bandwidth - Low CH 2422



802.11n40 20dB Bandwidth - Mid CH 2437

802.11n40 20dB Bandwidth - High CH 2452



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6.3 Maximum Output Power

Temperature	24 °C
Relative Humidity	52%
Atmospheric Pressure	1019mbar
Test date :	April 19, 2017
Tested By :	Loren Luo

Requirement(s):

Requirement(s):	Ite	Requirement	Applicable			
Spec		m Requirement				
	a)	FHSS in 2400-2483.5MHz with ≥ 75 channels: ≤ 1 Watt				
	b)	FHSS in 5725-5850MHz: ≤ 1 Watt				
§15.247(b)	c)	For all other FHSS in the 2400-2483.5MHz band: ≤ 0.125 Watt.				
(3),RSS210 (A8.4)	d)	FHSS in 902-928MHz with ≥ 50 channels: ≤ 1 Watt				
(/10.4)	e)	FHSS in 902-928MHz with ≥ 25 & <50 channels: ≤ 0.25 Watt				
	f)	DTS in 902-928MHz, 2400-2483.5MHz: ≤ 1 Watt	V			
Test Setup	Spectrum Analyzer EUT					
	558074 D01 DTS MEAS Guidance v03r03, 9.1.2 Integrated band power method					
Maximum output power measurement procedure						
	- a) Set span to at least 1.5 times the OBW.					
	- b) Set RBW = 1-5% of the OBW, not to exceed 1 MHz.					
_ ,	- c) Set VBW ≥ 3 x RBW.					
Test	- d) Number of points in sweep ≥ 2 × span / RBW. (This gives bin-to-bin span)					
Procedure	≤ RBW/2, so that narrowband signals are not lost between frequency bins.)					
	- e) Sweep time = auto.					
	-	f) Detector = RMS (i.e., power averaging), if available. Otherwise, u	se sample			
		detector mode.				
	-	g) If transmit duty cycle < 98 %, use a sweep trigger with the level s				
		triggering only on full power pulses. The transmitter shall operate a	t maximum			



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	power control level for the entire duration of every sweep. If the EUT transmits
	continuously (i.e., with no off intervals) or at duty cycle ≥ 98 %, and if each
	transmission is entirely at the maximum power control level, then the trigger shall
	be set to " free run".
	- h) Trace average at least 100 traces in power averaging (i.e., RMS) mode.
	- i) Compute power by integrating the spectrum across the OBW of the signal
	using the instrument's band power measurement function, with band limits set
	equal to the OBW band edges. If the instrument does not have a band power
	function, sum the spectrum levels (in power units) at intervals equal to the RBW
	extending across the entire OBW of the spectrum.
Remark	
Result	Pass Fail
-	

Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	□ _{N/A}

Output Power measurement result

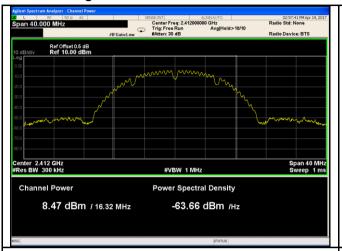
Tymo	Test mode	node CH	Frequency	Conducted	Limit	Result
Type	rest mode	СП	(MHz)	Power (dBm)	(dBm)	Result
	802.11b	Low	2412	8.47	30	Pass
		Mid	2437	8.84	30	Pass
		High	2462	8.87	30	Pass
	802.11g	Low	2412	8.81	30	Pass
		Mid	2437	8.80	30	Pass
Output		High	2462	8.87	30	Pass
power	802.11n (20M)	Low	2412	8.92	30	Pass
		Mid	2437	8.81	30	Pass
		High	2462	8.91	30	Pass
	802.11n (40M)	Low	2422	8.30	30	Pass
		Mid	2437	8.36	30	Pass
		High	2452	8.53	30	Pass



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Test Plots

The Average Power





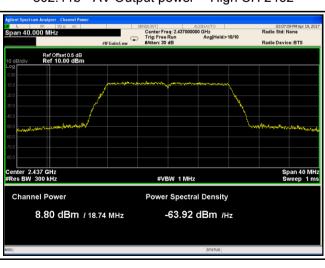
802.11b - AV Output power - Low CH 2412



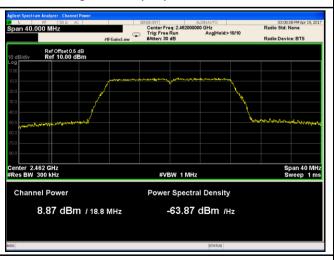
802.11b - AV Output power - Mid CH 2437



802.11b - AV Output power - High CH 2462



802.11g - AV Output power - Low CH 2412



802.11g - AV Output power - Mid CH 2437

802.11g - AV Output power - High CH 2462



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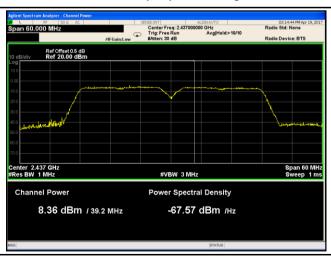
802.11n20 - AV Output power - Low CH 2412



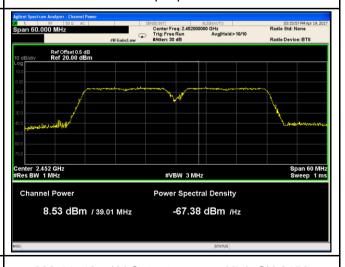
802.11n20 - AV Output power - Mid CH 2437



802.11n20 - AV Output power - High CH 2462



802.11n40 - AV Output power - Low CH 2422



802.11n40 - AV Output power - Mid CH 2437

802.11n40 - AV Output power - High CH 2452



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6.4 Power Spectral Density

Temperature	24 °C
Relative Humidity	52%
Atmospheric Pressure	1019mbar
Test date :	April 19, 2017
Tested By :	Loren Luo

Spec	Item	Requirement	Applicable
§15.247(e)	a)	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.	>
Test Setup		Spectrum Analyzer EUT	
Test Procedure	power s	a) Done DTS MEAS Guidance v03r03, 10.2 power spectral density measurement procedure a) Set analyzer center frequency to DTS channel center frequency b) Set the span to 1.5 times the DTS bandwidth. c) Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz. d) Set the VBW ≥ 3 × RBW. e) Detector = peak. f) Sweep time = auto couple. g) Trace mode = max hold. h) Allow trace to fully stabilize. i) Use the peak marker function to determine the maximum and level within the RBW. j) If measured value exceeds limit, reduce RBW (no less than repeat.	uency.
Remark			
Result	Pas	ss Fail	



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Test Data	Yes	$\square_{N/A}$
Test Plot	Yes (See below)	□ _{N/A}

Power Spectral Density measurement result

Туре	Test mode	СН	Freq	PSD	Limit	Result
			(MHz)	(dBm)	(dBm)	
		Low	2412	-7.509	8	Pass
	802.11b	Mid	2437	-10.140	8	Pass
		High	2462	-9.805	8	Pass
		Low	2412	-14.957	8	Pass
	802.11g	Mid	2437	-11.260	8	Pass
PSD		High	2462	-13.404	8	Pass
P3D	802.11n	Low	2412	-13.514	8	Pass
		Mid	2437	-12.812	8	Pass
	(20M)	High	2462	-13.166	8	Pass
	200.44	Low	2422	-16.367	8	Pass
	802.11n	Mid	2437	-16.359	8	Pass
	(40M)	High	2452	-17.748	8	Pass



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Test Plots

Power Spectral Density measurement result

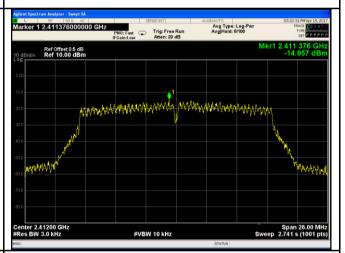




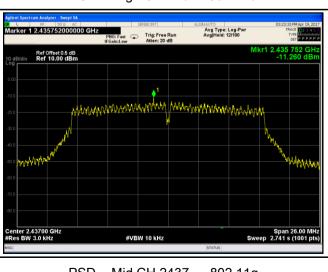
PSD - Low CH 2412 - 802.11b



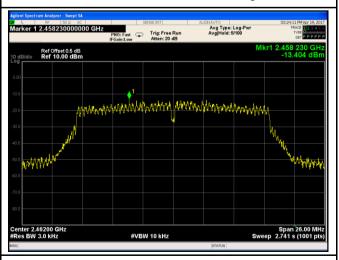
PSD - Mid CH 2437 - 802.11b



PSD - High CH 2462 - 802.11b



PSD - Low CH 2412 -802.11g



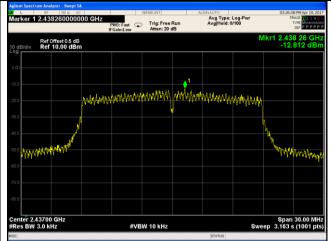
PSD - Mid CH 2437 - 802.11g

PSD - High CH 2462 - 802.11g



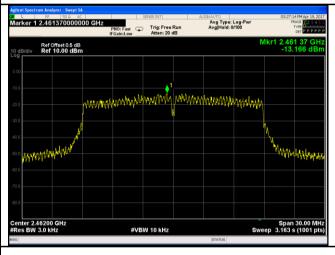
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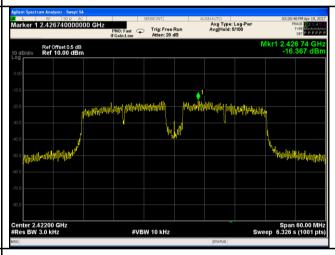




PSD - Low CH 2412 - 802.11n20

PSD - Mid CH 2437 - 802.11n20





PSD - High CH 2472 - 802.11n20

PSD - Low CH 2422 - 802.11n40





PSD - Mid CH 2437 - 802.11n40

PSD - High CH 2452 - 802.11n40



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6.5 Band-Edge & Unwanted Emissions into Restricted Frequency Bands

Temperature	23 °C
Relative Humidity	56%
Atmospheric Pressure	1014mbar
Test date :	April 14, 2017
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§15.247(d)	a)	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.	\
Test Setup	Ant. Tower Support Units Ground Plane Test Receiver		
Test Procedure	Radiated Method Only 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator. 2. Position the EUT without connection to measurement instrument. Put it on the Rotated table and turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.		



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	- 3. First, set both RBW and VBW of spectrum analyzer to 100 kHz with a					
	convenient frequency span including 100kHz bandwidth from band edge,					
	check the emission of EUT, if pass then set Spectrum Analyzer as below:					
	a. The resolution bandwidth and video bandwidth of test receiver/spectrum					
	analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz.					
	b. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and					
	video bandwidth is 3MHz with Peak detection for Peak measurement at					
	frequency above 1GHz.					
	c. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the					
	video bandwidth is 10Hz with Peak detection for Average Measurement as below					
	at frequency above 1GHz.					
	- 4. Measure the highest amplitude appearing on spectral display and set it as a					
	reference level. Plot the graph with marking the highest point and edge					
	frequency.					
	- 5. Repeat above procedures until all measured frequencies were complete.					
Remark						
Result	Pass Fail					
Test Data	Yes N/A					
Test Plot	Yes (See below)					



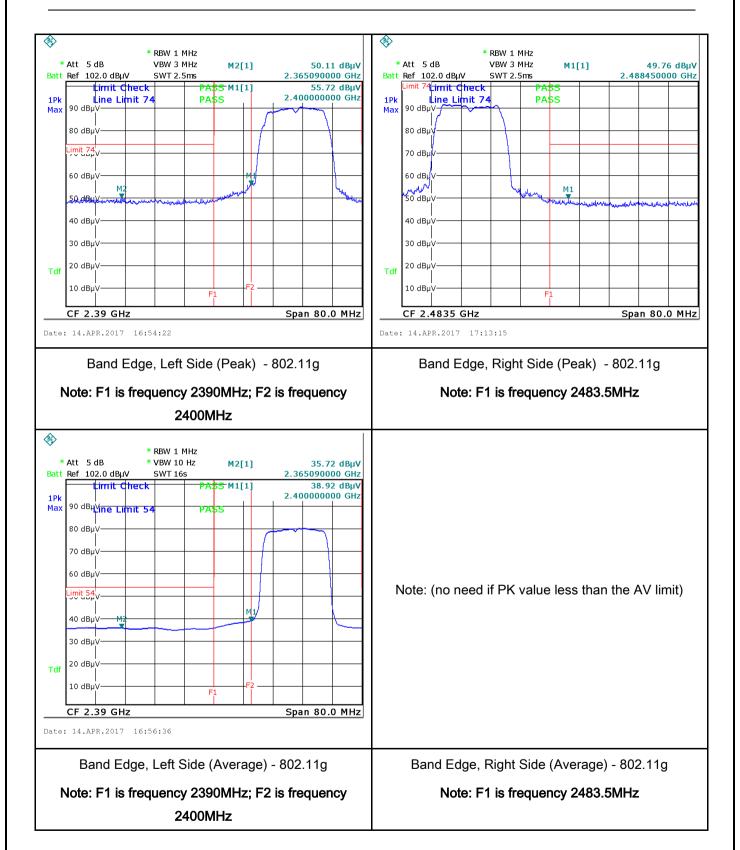
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Test Plots Band Edge measurement result



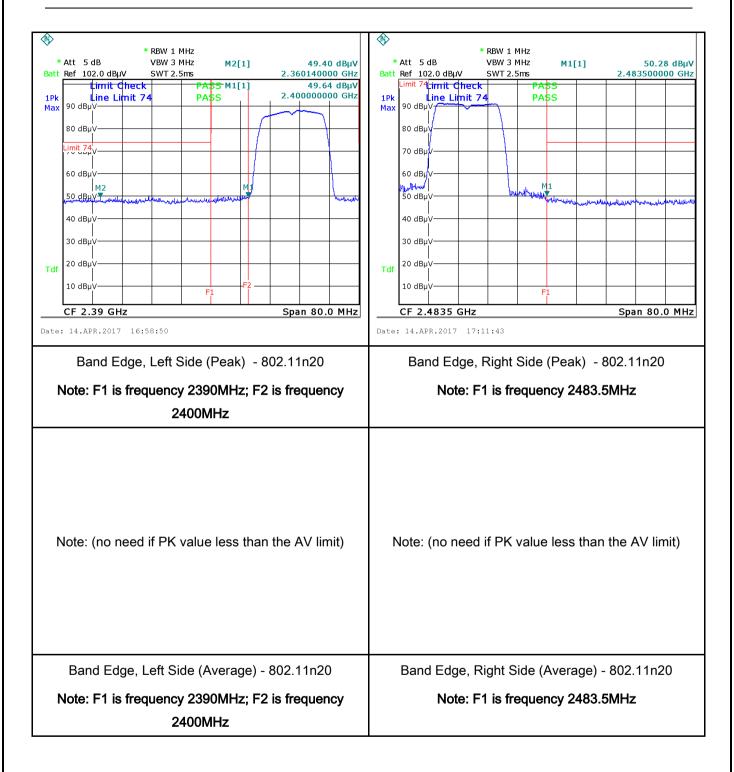


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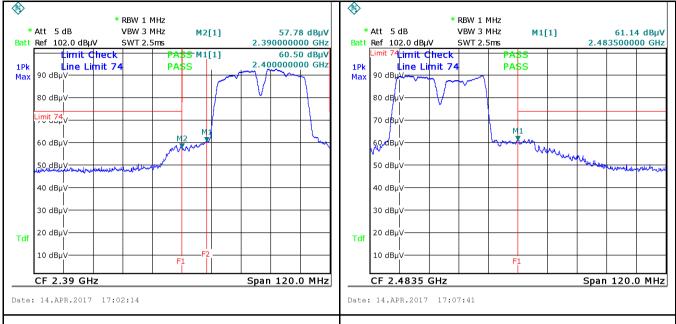


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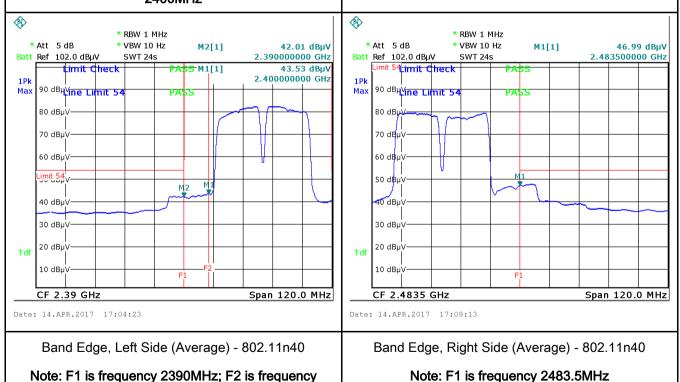
Band Edge, Left Side (Peak) - 802.11n40

Note: F1 is frequency 2390MHz; F2 is frequency 2400MHz

2400MHz

Band Edge, Right Side (Peak) - 802.11n40

Note: F1 is frequency 2483.5MHz





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6.6 AC Power Line Conducted Emissions

Temperature	24 °C		
Relative Humidity	53%		
Atmospheric Pressure	1011mbar		
Test date :	April 11, 2017		
Tested By :	Loren Luo		

Requirement(s):

Spec	Item	Requirement Applica					
47CFR§15. 207, RSS210 (A8.1)	a)	For Low-power radio-freconnected to the public voltage that is conducted frequency or frequencies not exceed the limits in [mu] H/50 ohms line im lower limit applies at the Frequency ranges (MHz) 0.15 ~ 0.5 0.5 ~ 5 5 ~ 30					
Test Setup		Vertical Ground Reference Plane Horizontal Ground Reference Plane Note: 1. Support units were connected to second LISN. 2. Both of LISNs (AMN) are 80cm from EUT and at least 80cm					
Procedure	 The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table. The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss 						

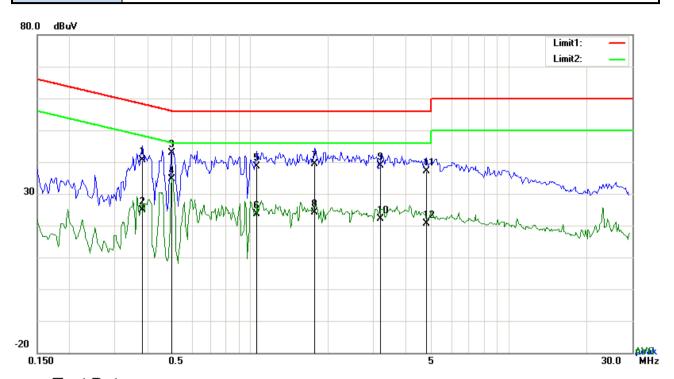


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	coaxial cable.				
	4. All other supporting equipment were powered separately from another main supply.				
	5. The EUT was switched on and allowed to warm up to its normal operating condition.				
	6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power)				
	over the required frequency range using an EMI test receiver.				
	7. High peaks, relative to the limit line, The EMI test receiver was then tuned to the				
	selected frequencies and the necessary measurements made with a receiver bandwidth				
	setting of 10 kHz.				
	8. Step 7 was then repeated for the LIVE line (for AC mains) or DC line (for DC power).				
Remark					
Result	Pass Fail				
Test Data	Yes N/A				
Test Plot	Yes (See below) N/A				



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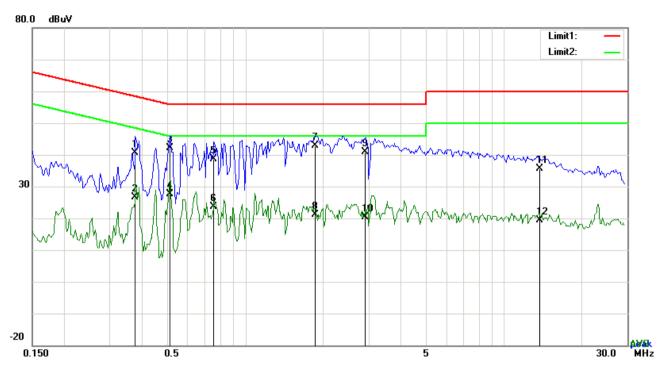
Test Data

Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)
1	L1	0.3840	30.52	QP	10.03	40.55	58.19	-17.64
2	L1	0.3840	14.90	AVG	10.03	24.93	48.19	-23.26
3	L1	0.4971	32.75	QP	10.03	42.78	56.05	-13.27
4	L1	0.4971	24.53	AVG	10.03	34.56	46.05	-11.49
5	L1	1.0626	28.52	QP	10.03	38.55	56.00	-17.45
6	L1	1.0626	13.65	AVG	10.03	23.68	46.00	-22.32
7	L1	1.7802	29.42	QP	10.04	39.46	56.00	-16.54
8	L1	1.7802	13.98	AVG	10.04	24.02	46.00	-21.98
9	L1	3.1989	28.92	QP	10.06	38.98	56.00	-17.02
10	L1	3.1989	12.06	AVG	10.06	22.12	46.00	-23.88
11	L1	4.8018	27.02	QP	10.08	37.10	56.00	-18.90
12	L1	4.8018	10.66	AVG	10.08	20.74	46.00	-25.26



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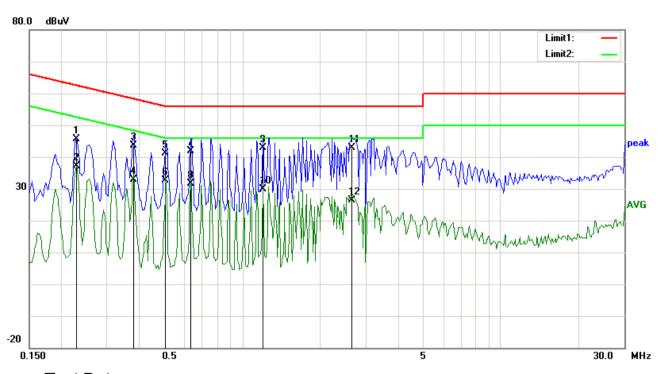
Test Data

Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)
1	N	0.3762	30.63	QP	10.02	40.65	58.36	-17.71
2	N	0.3762	16.58	AVG	10.02	26.60	48.36	-21.76
3	N	0.5127	32.14	QP	10.02	42.16	56.00	-13.84
4	N	0.5127	17.56	AVG	10.02	27.58	46.00	-18.42
5	N	0.7584	28.61	QP	10.03	38.64	56.00	-17.36
6	N	0.7584	13.70	AVG	10.03	23.73	46.00	-22.27
7	N	1.8621	32.88	QP	10.04	42.92	56.00	-13.08
8	N	1.8621	10.98	AVG	10.04	21.02	46.00	-24.98
9	N	2.9151	30.93	QP	10.05	40.98	56.00	-15.02
10	N	2.9151	10.23	AVG	10.05	20.28	46.00	-25.72
11	N	13.7094	25.35	QP	10.18	35.53	60.00	-24.47
12	N	13.7094	9.10	AVG	10.18	19.28	50.00	-30.72



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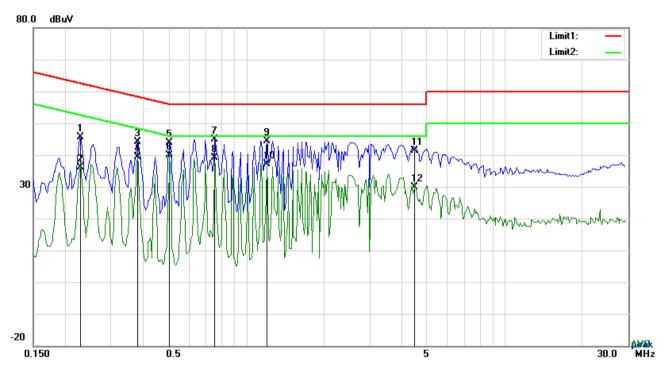
Test Data

Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)
1	L1	0.2280	35.72	QP	10.03	45.75	62.52	-16.77
2	L1	0.2280	27.17	AVG	10.03	37.20	52.52	-15.32
3	L1	0.3801	33.57	QP	10.03	43.60	58.28	-14.68
4	L1	0.3801	22.78	AVG	10.03	32.81	48.28	-15.47
5	L1	0.5049	31.22	QP	10.03	41.25	56.00	-14.75
6	L1	0.5049	22.70	AVG	10.03	32.73	46.00	-13.27
7	L1	0.6336	31.83	QP	10.03	41.86	56.00	-14.14
8	L1	0.6336	21.49	AVG	10.03	31.52	46.00	-14.48
9	L1	1.2030	32.96	QP	10.03	42.99	56.00	-13.01
10	L1	1.2030	19.92	AVG	10.03	29.95	46.00	-16.05
11	L1	2.6616	32.95	QP	10.05	43.00	56.00	-13.00
12	L1	2.6616	16.28	AVG	10.05	26.33	46.00	-19.67



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Test Data

Phase Neutral Plot at 240Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)
1	N	0.2280	35.63	QP	10.02	45.65	62.52	-16.87
2	N	0.2280	26.22	AVG	10.02	36.24	52.52	-16.28
3	N	0.3801	34.03	QP	10.02	44.05	58.28	-14.23
4	N	0.3801	29.40	AVG	10.02	39.42	48.28	-8.86
5	N	0.5049	33.78	QP	10.02	43.80	56.00	-12.20
6	N	0.5049	29.79	AVG	10.02	39.81	46.00	-6.19
7	N	0.7584	34.77	QP	10.03	44.80	56.00	-11.20
8	N	0.7584	28.99	AVG	10.03	39.02	46.00	-6.98
9	N	1.2030	34.32	QP	10.03	44.35	56.00	-11.65
10	N	1.2030	26.98	AVG	10.03	37.01	46.00	-8.99
11	N	4.4898	31.37	QP	10.06	41.43	56.00	-14.57
12	N	4.4898	19.73	AVG	10.06	29.79	46.00	-16.21