RF TEST REPORT



Report No.: 14070674-FCC-R4
Supersede Report No.: N/A

Applicant	Verykool USA Inc			
Product Name	Mobile Phone			
Model No.	s4010			
Serial No.	N/A			
Test Standard	FCC Part 1	5.247: 2014, ANSI C63.10: 2	2009	
Test Date	December 25, 2014 to January 05, 2015			
Issue Date	January 06, 2015			
Test Result	Pass Fail			
Equipment complied with the specification				
Equipment did no	t comply with	n the specification		
Duston, Wang		Alex. Lin		
Dustin Wang Test Engineer		Alex Liu Checked 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
14070674-FCC-R4	NONE	Original	January 06, 2015

2. Customer information

Applicant Name	Verykool USA Inc	
Applicant Add	3636 Nobel Drive, Suite 325, San Diego, CA 92122 USA	
Manufacturer	ZTE Supply Chain Co., Ltd	
Manufacturer Add	6/F, South Wing, WanDelai Building, Block29, Keji Road South, Hi-Tech Park,	
	Nanshan District, Shenzhen ,P.R. 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, Guang			
			China 518108
FCC Test Site No.	718246		
IC Test Site No.	4842E-1		
Test Software	Labview of SIEMIC version 2.0		



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4. Equipment under Test (EUT) Information

Description of EUT:	Mobile Phone

Main Model: s4010

Serial Model: N/A

Date EUT received: December 05, 2014

Test Date(s): December 25, 2014 to January 05, 2015

Equipment Category: DTS

UMTS-FDD Band V/GSM850: 0.7 dBi

UMTS-FDD Band II: 1.5 dBi

UMTS-FDD Band IV: 1.8 dBi Antenna Gain:

PCS1900: 1.1 dBi

Bluetooth/BLE: 2.4 dBi

WIFI: 2.4 dBi

GSM / GPRS: GMSK EGPRS: GMSK, 8PSK

Type of Modulation: UMTS-FDD: QPSK, 16QAM 802.11b/g/n: DSSS, OFDM

002.11b/g/11. D333, Of Divi

Bluetooth: GFSK, π /4DQPSK, 8DPSK

BLE: GFSK

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

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

RX: 1932.4 ~ 1987.6 MHz

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

RX: 2112.4 ~ 2152.6 MHz

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



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Max. Output Power: -3.544 dBm

GSM 850: 124CH PCS1900: 299CH

UMTS-FDD Band V: 102CH

UMTS-FDD Band II: 277CH

Number of Channels: UMTS-FDD Band IV: 202CH

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

WIFI:802.11n(40M): 7CH

Bluetooth: 79CH

BLE: 40CH

Port: Power Port, Earphone Port, USB Port

Battery:

Model: 394760

Spec: 3.7V 1400mAh

Limited charger voltage: 4.2V

Input Power:

Adapter:

Model: UC26A50100

Input: AC 100-240V; 50/60Hz 150mA

Output: DC 5.0V; 0.5A

Trade Name : verykool

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

FCC ID: WA6S4010



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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) 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 Non-Restricted Frequency Bands	Compliance
§15.207 (a),	AC Power Line Conducted Emissions Complian	
§15.205, §15.209, §15.247(d)	Radiated Spurious Emissions & Unwanted Emissions Compinto Restricted Frequency Bands	

Measurement Uncertainty

Emissions			
Test Item Description Uncertaint			
Band Edge and Radiated Spurious Emissions	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 Bluetooth/BLE/WIFI, the gain is 2.4 dBi for Bluetooth/BLE/WIFI. A permanently attached PIFA antenna for GSM and UMTS, the gain is 0.7 dBi for UMTS-FDD Band V/GSM850, 1.5 dBi for UMTS-FDD Band II and 1.8 dBi UMTS-FDD Band IV and 1.1 dBi for PCS1900

The antenna meets up with the ANTENNA REQUIREMENT.

Result: Compliance.



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6.2 DTS (6 dB) Channel Bandwidth

Temperature	22°C
Relative Humidity	53%
Atmospheric Pressure	1012mbar
Test date :	December 31, 2014
Tested By :	Dustin Wang

Spec	Item	em Requirement Appl			
§ 15.247(a)(2)	a)	a) 6dB BW≥ 500kHz;			
RSS Gen(4.6.1)	b)	99% BW: For FCC reference only; required by IC.	V		
Test Setup	Spectrum Analyzer EUT				
Test Procedure	Spectrum Analyzer 558074 D01 DTS MEAS Guidance v03r02, 8.1 DTS bandwidth 6dB Emission bandwidth measurement procedure - Set RBW = 100 kHz. - Set the video bandwidth (VBW) ≥ 3 ′ RBW. - Detector = Peak. - Trace mode = max hold. - Sweep = auto couple. - Allow the trace to stabilize. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.				
Remark					
Result	Pas	ss Fail			

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



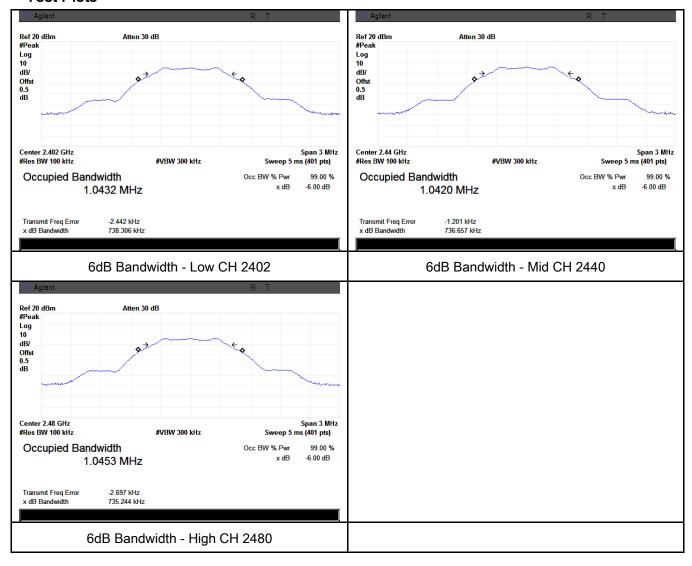
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6dB Bandwidth measurement result

Test Data

Туре	СН	Freq (MHz)	Result (kHz)	Limit (MHz)	Result
	Low	2402	738.306	≥ 0.5	Pass
6dB BW	Mid	2440	736.657	≥ 0.5	Pass
	High	2480	735.244	≥ 0.5	Pass

Test Plots





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6.3 Maximum Output Power

Temperature	24°C
Relative Humidity	54%
Atmospheric Pressure	1005mbar
Test date :	January 05, 2015
Tested By:	Dustin Wang

Requirement(s):

Spec	Item	Item Requirement Applic		
	a)	FHSS in 2400-2483.5MHz with ≥ 75 channels: ≤ 1 Watt		
	b)	FHSS in 5725-5850MHz: ≤ 1 Watt		
	c)	For all other FHSS in the 2400-2483.5MHz band: ≤ 0.125		
§15.247(b)		Watt.		
(2),RSS210	d)	FHSS in 902-928MHz with ≥ 50 channels: ≤ 1 Watt		
(A8.4)	e)	FHSS in 902-928MHz with ≥ 25 & <50 channels: ≤ 0.25		
		Watt		
	f)	DSSS in 902-928MHz, 2400-2483.5MHz, 5725-5850MHz:	V	
		≤ 1 Watt		
Test Setup	Spectrum Analyzer EUT			
	558074 D01 DTS MEAS Guidance v03r02, 9.1.2 Integrated band power method			
	Maximum output power measurement procedure			
	a) Set the RBW ≥ DTS bandwidth.			
Test	b) Set VBW ≥ 3 × RBW.			
Procedure	c) Set span ≥ 3 x RBW d) Sweep time = auto couple.			
Frocedure	e) Detector = peak.			
	f) Trace mode = max hold.			
	g) Allow trace to fully stabilize.			
	h) Use peak marker function to determine the peak amplitude level.			
Remark				



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Result	Pass	□ Fail

Test Data Yes

Test Plot Yes (See below)



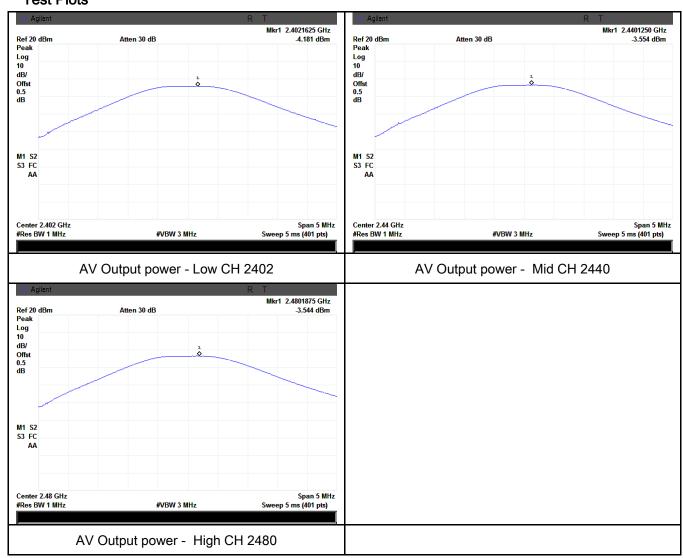
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Output Power measurement result

Test Data

Туре	СН	Freq (MHz)	Conducted Power (dBm)	Limit (dBm)	Result
Output	Low	2402	-4.181	30	Pass
Output	Mid	2440	-3.554	30	Pass
power	High	2480	-3.544	30	Pass

Test Plots





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6.4 Power Spectral Density

Temperature	24°C	
Relative Humidity	54%	
Atmospheric Pressure	1005mbar	
Test date :	January 05, 2015	
Tested By :	Dustin Wang	

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	558074 D01 DTS MEAS Guidance v03r02, 10.2 power spectral density method 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 amplitude level within the RBW.					
Remark		j) If measured value exceeds limit, reduce RBW (no less than 3 kHz				
Result	Pas	ss Fail				

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



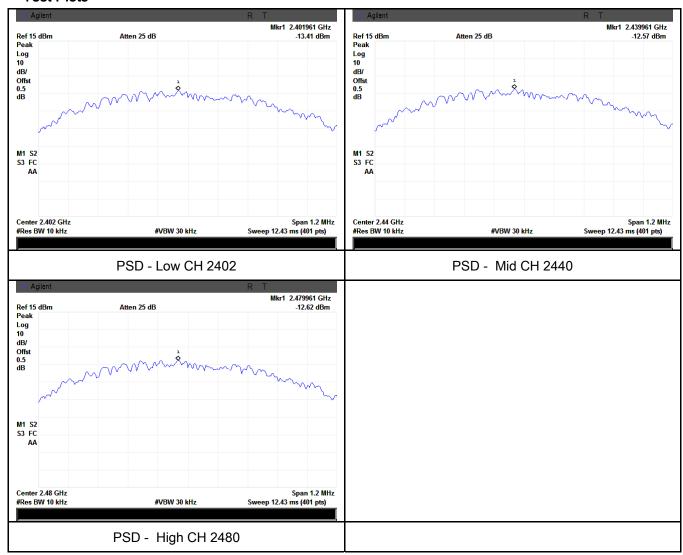
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Power Spectral Density measurement result

Test Data

Туре	СН	Freq (MHz)	PSD (dBm)	Limit (dBm)	Result
PSD	Low	2402	-13.41	8	Pass
	Mid	2440	-12.57	8	Pass
	High	2480	-12.62	8	Pass

Test Plots





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6.5 Band-Edge & Unwanted Emissions into Non-Restricted Frequency Bands

Temperature	22°C
Relative Humidity	53%
Atmospheric Pressure	1012mbar
Test date :	December 31, 2014
Tested By :	Dustin Wang

Requirement(s):

Spec	Item	Requirement	Applicable
§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.		\
Test Setup	Ant. Tower Support Units Turn Table 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. 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 		



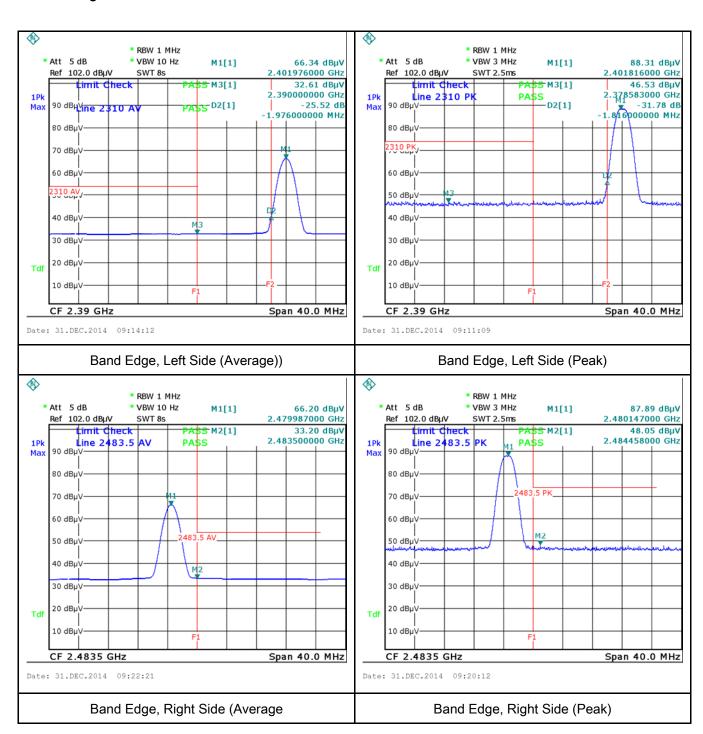
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	the emission of EUT, if pass then set Spectrum Analyzer as below:
	a. The resolution bandwidth and video bandwidth of test receiver/spectrum
	analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz.
	b. The resolution bandwidth of test 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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6.6 AC Power Line Conducted Emissions

Temperature	23°C
Relative Humidity	56%
Atmospheric Pressure	1006mbar
Test date :	December 25, 2014
Tested By :	Dustin Wang

Requirement(s):

Spec	Item	Requirement			Applicable
47CFR§15. 207, RSS210 (A8.1)	a)	For Low-power radio-frequency devices 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 or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 [mu] H/50 ohms line impedance stabilization network (LISN). The lower limit applies at the boundary between the frequencies ranges. Frequency ranges Limit (dB μ V) (MHz) QP Average 0.15 ~ 0.5 66 - 56 56 - 46		>	
		0.15 ~ 0.5	56	46	
		5 ~ 30	60	50	
Test Setup	est Setup Vertical Ground Reference Plane				
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 				



Test Plot

Yes (See below)

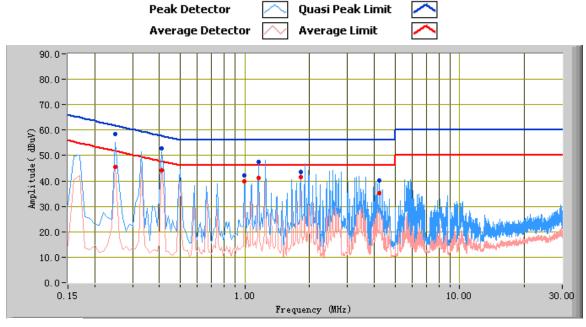
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	coaxial cable.
	4. All other supporting equipment were powered separately from another main supply.
	5. The EUT was switched on and allowed to warm up to its normal operating condition.
	6. A scan was made on the NEUTRAL line (for AC mains) or Earth 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



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Test Mode: Transmitting Mode



Test Data

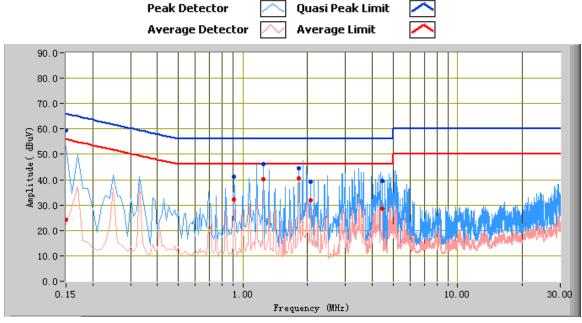
Phase Line Plot at 120Vac, 60Hz

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Factors (dB)
0.41	52.95	57.65	-4.70	44.21	47.65	-3.44	10.96
0.25	58.35	61.76	-3.41	45.45	51.76	-6.31	11.81
1.16	47.52	56.00	-8.48	41.10	46.00	-4.90	10.29
1.82	43.47	56.00	-12.53	41.36	46.00	-4.64	10.41
0.99	42.13	56.00	-13.87	39.80	46.00	-6.20	10.30
4.22	40.12	56.00	-15.88	35.11	46.00	-10.89	10.85



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Test Mode: Transmitting Mode



Test Data

Phase Neutral Plot at 120Vac, 60Hz

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Factors (dB)
1.24	46.20	56.00	-9.80	40.10	46.00	-5.90	10.30
1.82	44.43	56.00	-11.57	40.66	46.00	-5.34	10.41
0.15	59.47	66.00	-6.53	24.19	56.00	-31.81	12.49
0.91	41.08	56.00	-14.92	32.38	46.00	-13.62	10.34
4.46	39.52	56.00	-16.48	28.65	46.00	-17.35	10.90
2.06	39.19	56.00	-16.81	31.89	46.00	-14.11	10.45



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6.7 Radiated Spurious Emissions

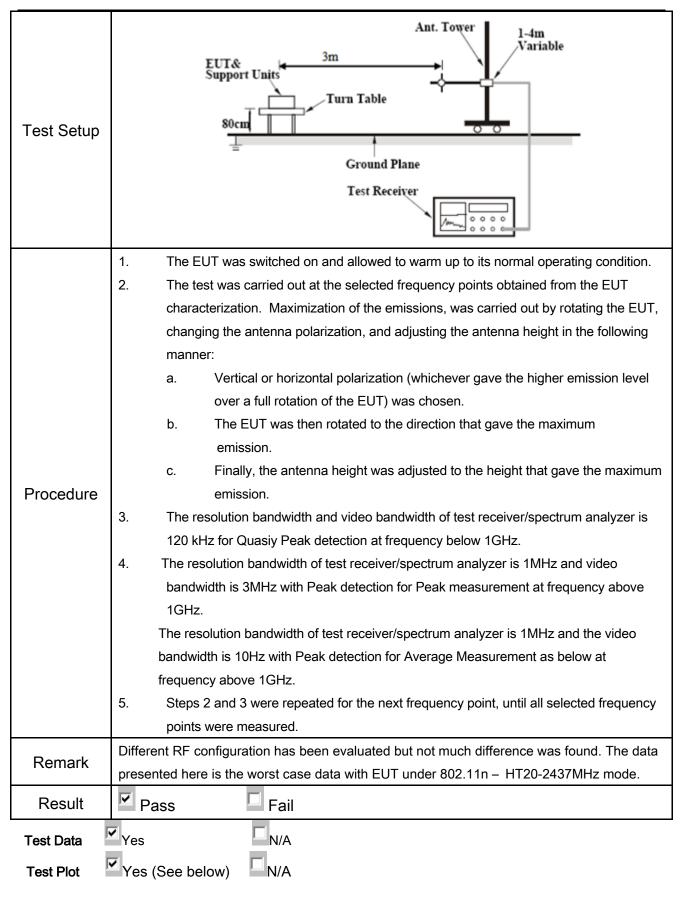
Temperature	24°C
Relative Humidity	57%
Atmospheric Pressure	1007mbar
Test date :	December 26, 2014
Tested By :	Dustin Wang

Requirement(s):

Spec	Item	Requirement	Applicable		
	a)	Except higher limit as specified else emissions from the low-power radio exceed the field strength levels spet the level of any unwanted emission the fundamental emission. The tight edges	Y		
	<u>س</u>	Frequency range (MHz)	Field Strength (µV/m)		
		30 - 88	100		
		88 – 216	150		
47CFR§15.		216 960	200		
247(d),		Above 960	500		
RSS210 (A8.5)	b)	For non-restricted band, In any 100 frequency band in which the spread modulated intentional radiator is oppower that is produced by the intentional 20 dB or 30dB below that in the 100 band that contains the highest lever determined by the measurement mused. Attenuation below the general is not required	d spectrum or digitally perating, the radio frequency ational radiator shall be at least 0 kHz bandwidth within the of the desired power, sethod on output power to be all limits specified in § 15.209(a)		
	c)	20 dB down 30 or restricted band, emission must a emission limits specified in 15.209	dB down also comply with the radiated	V	



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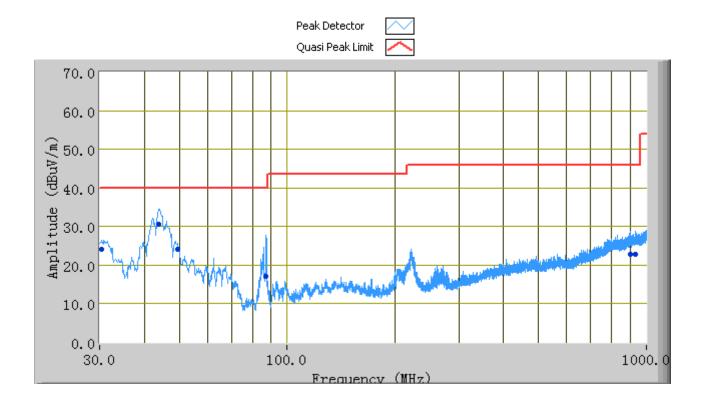




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Test Mode:	Transmitting	Mode
i oot inicao.		111040

(Below 1GHz)



Test Data

Vertical & Horizontal Polarity Plot @3m

Frequency (MHz)	Quasi Peak (dBµV/m)	Azimuth	Polarity (H/V)	Height (cm)	Factors (dB)	Limit (dBµV/m)	Margin (dB)
43.70	30.60	117.00	V	118.00	-10.46	40.00	-9.40
87.36	17.12	98.00	V	187.00	-13.79	40.00	-22.88
30.54	24.20	168.00	V	101.00	-1.95	40.00	-15.80
49.35	24.01	174.00	V	112.00	-13.66	40.00	-15.99
904.25	22.94	201.00	V	337.00	4.84	46.00	-23.06
933.39	22.92	62.00	Н	244.00	5.30	46.00	-23.08



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Test Mode:	Transmitting	Mode
i oot iviodo.	rranomiang	modo

(Above 1GHz)

Note: Other modes were verified, only the result of worst case basic rate mode was presented.

Low Channel (2402 MHz)

Frequency (MHz)	S.A. Reading (dBµV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre- Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
4804	35.67	AV	V	33.83	4.87	27.32	47.05	54	-6.95
4804	36.22	AV	Н	33.83	4.87	27.32	47.60	54	-6.40
4804	43.58	PK	V	33.83	4.87	27.32	54.96	74	-19.04
4804	44.39	PK	Н	33.83	4.87	27.32	55.77	74	-18.23

Middle Channel (2440 MHz)

Frequency (MHz)	S.A. Reading (dBµV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre- Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
4880	34.85	AV	V	33.86	4.87	26.32	47.26	54	-6.74
4880	35.64	AV	Н	33.86	4.87	26.32	48.05	54	-5.95
4880	44.26	PK	V	33.86	4.87	26.32	56.67	74	-17.33
4880	43.57	PK	Н	33.86	4.87	26.32	55.98	74	-18.02

High Channel (2480 MHz)

Frequency (MHz)	S.A. Reading (dBµV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre- Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
4960	35.09	AV	V	33.9	4.87	26.72	47.14	54	-6.86
4960	35.87	AV	Н	33.9	4.87	26.72	47.92	54	-6.08
4960	44.25	PK	V	33.9	4.87	26.72	56.30	74	-17.70
4960	45.88	PK	Н	33.9	4.87	26.72	57.93	74	-16.07



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Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
AC Line Conducted					
EMI test receiver	ESCS30	8471241027	09/18/2014	09/17/2015	<u> </u>
Line Impedance	LI-125A	191106	09/26/2014	09/25/2015	~
Line Impedance	LI-125A	191107	09/26/2014	09/25/2015	~
LISN	ISN T800	34373	09/26/2014	09/25/2015	~
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/25/2014	09/24/2015	\
Transient Limiter	LIT-153	531118	09/02/2014	09/01/2015	>
RF conducted test					
Agilent ESA-E SERIES	E4407B	MY45108319	09/18/2014	09/17/2015	~
Power Splitter	1#	1#	09/02/2014	09/01/2015	<u><</u>
DC Power Supply	E3640A	MY40004013	09/18/2014	09/17/2015	<u><</u>
Radiated Emissions					
EMI test receiver	ESL6	100262	09/18/2014	09/17/2015	~
Positioning Controller	UC3000	MF780208282	11/20/2014	11/19/2015	~
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	09/02/2014	09/01/2015	>
Microwave Preamplifier (0.5 ~ 18GHz)	PAM-118	443008	09/02/2014	09/01/2015	\
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/22/2014	09/21/2015	\
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/25/2014	09/24/2015	Z.
Universal Radio Communication Tester	CMU200	121393	09/26/2014	09/25/2015	V



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Annex B. EUT And Test Setup Photographs

Annex B.i. Photograph: EUT External Photo



Whole Package - Top View



Adapter - Front View



EUT - Front View



EUT - Rear View



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EUT - Top View

EUT - Bottom View



EUT - Left View



EUT - Right View



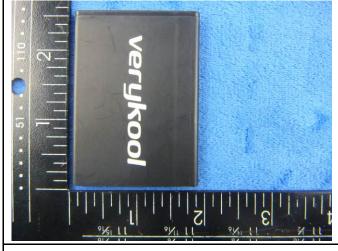
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Annex B.ii. Photograph: EUT Internal Photo



Cover Off - Top View 1

Cover Off - Top View 2





Battery - Top View

Battery - Bottom View



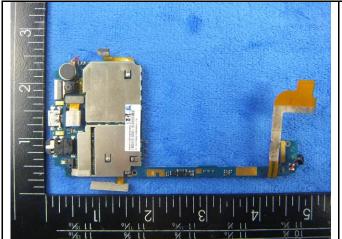


LCD - Front View

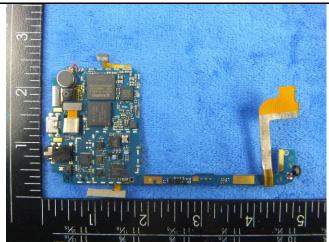
LCD - Rear View



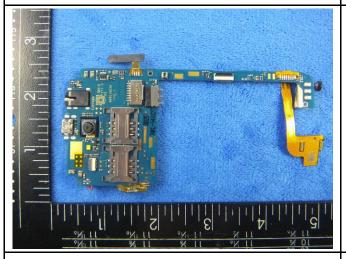
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Mainborad With Shielding - Front View



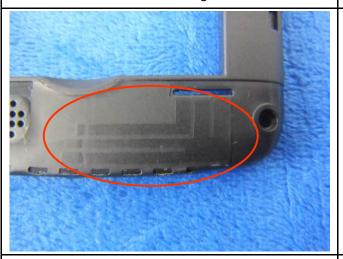
Mainborad Without Shielding - Front View



Mainborad With Shielding - Front View



BT/BLE/WIFI Antenna View



GSM/PCS/UMTS-FDD Antenna View



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Annex B.iii. Photograph: Test Setup Photo



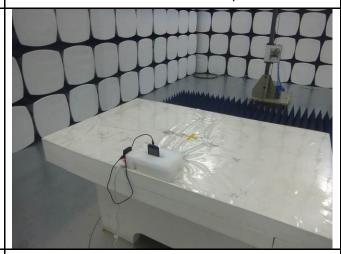
Conducted Emissions Test Setup Front View



Conducted Emissions Test Setup Side View



Radiated Spurious Emissions Test Setup Below 1GHz



Radiated Spurious Emissions Test Setup Above 1GHz

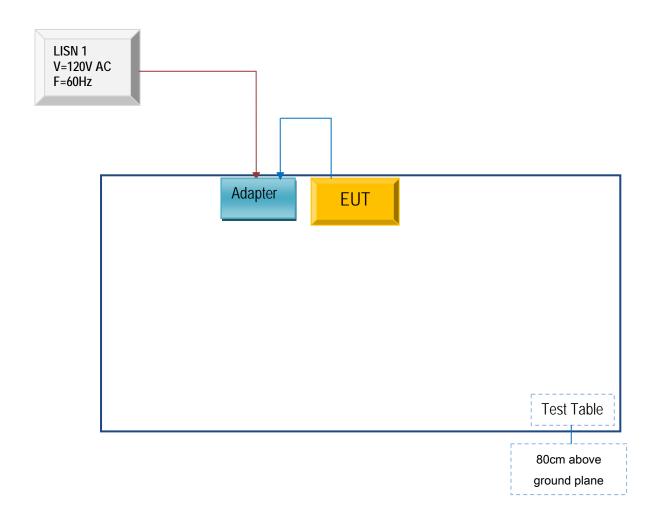


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Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

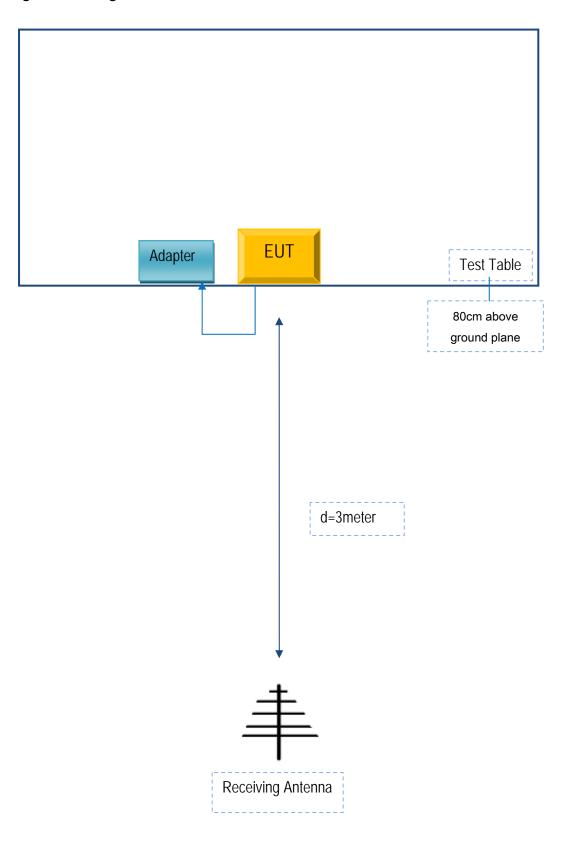
Block Configuration Diagram for AC Line Conducted Emissions





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Block Configuration Diagram for Radiated Emissions





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Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Manufacturer	Equipment Description	Model	Calibration Date	Calibration Due Date
N/A	N/A	N/A	N/A	N/A



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Annex D. User Manual / Block Diagram / Schematics / Partlist

Please see attachment



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Annex E. DECLARATION OF SIMILARITY

N/A