B mobile HK Limited

Mobile phone

Main Model: AX745 Serial Model: AX750

June 06, 2014

Report No.: 14070034-FCC-R1



Modifications made to the product: None

This Test Report is Issued Under the Authority of:							
Hank li	Alex. Lin						
Hank Li	Alex Liu						
Compliance Engineer	Technical Manager						

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

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Laboratory Introduction

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SIEMIC (Shenzhen - China) Laboratories Accreditations for Conformity Assessment

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



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1. EXECUTIVE SUMMARY & EUT INFORMATION

The purpose of this test programmed was to demonstrate compliance of the B mobile HK Limited, Mobile phone and model: AX745 against the current Stipulated Standards. The Mobile phone has demonstrated compliance with the FCC Part 22(H) & FCC Part 24(E): 2013.

EUT Information

EUT

Description : Mobile phone

Main Model : AX745

Serial Model AX750

UMTS-FDD Band V/GSM850: -4 dBi

UMTS-FDD Band II/PCS1900: 0.5 dBi

Antenna Gain : Bluetooth: -4.0dBi

WIFI: -4.0 dBi

Battery:

Model: BH-P48

Spec: 3.7V 1400mAh

Input Power : Limited charger voltage: 4.2V

Adapter:

Input: AC 100-240V; 50/60Hz 0.15A

Output: DC 5.0V; 700mAh

GSM850: 31.98 dBm

Maximum PCS1900: 29.19 dBm

Conducted : UMTS-FDD Band V: 22.88 dBm

Antenna UMTS-FDD Band II: 22.16 dBm

GSM850: 25.44 dBm / ERP

Maximum PCS1900:21.47 dBm / EIRP

Radiated : UMTS-FDD Band V : 17.745dBm / ERP ERP/EIRP UMTS-FDD Band II : 18.20 dBm / EIRP

Classification

Per Stipulated : FCC Part 22(H) & FCC Part 24(E): 2013

Test Standard



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	2. TECHNICAL DETAILS
Purpose	Compliance testing of Mobile phone with stipulated standard
Applicant / Client	B mobile HK Limited Ground floor, 144 Un Chau Street, Sham Shui Po, Hong Kong
Manufacturer	NINGBO BIRD CO., LTD No.999 Dacheng East Road,Fenghua City,Zhejiang
Laboratory performing the tests	SIEMIC (Shenzhen - China) Laboratories Zone A, Floor 1, Building 2, Wan Ye Long Technology Park, South Side of Zhoushi Road, Bao'an District, Shenzhen, Guangdong, China Tel: +86-0755-2601 4629 / 2601 4953 Fax: +86-0755-2601 4953-810 Email: China@siemic.com.cn
Test report reference number	14070034-FCC-R1
Date EUT received	May 26, 2014
Standard applied	FCC Part 22(H) & FCC Part 24(E): 2013
Dates of test	May 28 to May 30, 2014
No of Units	#1
Equipment Category	PCE
Trade Name	IPRO
RF Operating Frequency (ies)	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 802.11b/g/n: 2412-2462 MHz Bluetooth: 2402-2480 MHz
Number of Channels	299CH (PCS1900) and 124CH (GSM850) UMTS-FDD Band V : 102CH UMTS-FDD Band II : 277CH Bluetooth: 79CH 802.11b/g/n: 11CH
Modulation	GSM / GPRS: GMSK UMTS-FDD: QPSK 802.11b/g/n: DSSS/OFDM Bluetooth: GFSK
GPRS Multi-slot class	8/10/12
FCC ID	ZSW-AX745-AX750



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3 MODIFICATION

NONE



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3. TEST SUMMARY

The product was tested in accordance with the following specifications. All testing has been performed according to below product classification:

PCE

Test Results Summary

Test Standard	Description	Product Class	Pass / Fail
§ 1.1307, § 2.1093	RF Exposure (SAR)	See Above	Pass
\$2.1046; \$ 22.913 (a); \$ 24.232 (c)	RF Output Power	See Above	Pass
§ 2.1047	Modulation Characteristics	See Above	N/A
§ 2.1049; § 22.905 § 22.917; § 24.238	99% & -26 dB Occupied Bandwidth	See Above	Pass
§ 2.1051, § 22.917 (a); § 24.238 (a)	Spurious Emissions at Antenna Terminal	See Above	Pass
§ 2.1053 § 22.917 (a); § 24.238 (a)	Field Strength of Spurious Radiation	See Above	Pass
§ 22.917 (a); § 24.238 (a)	Out of band emission, Band Edge	See Above	Pass
§ 2.1055 § 22.355; § 24.235	Frequency stability vs. temperature Frequency stability vs. voltage	See Above	Pass

Note: Testing was performed by configuring EUT to maximum output power status, the declared output power class for different.

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4. <u>MEASUREMENTS, EXAMINATION AND DERIVED</u> <u>RESULTS</u>

5.1 §1.1307, §2.1093- RF Exposure (SAR)

Test Result: Pass

The EUT is a portable device, thus requires SAR evaluation; Please refer to SIEMIC SAR Report: 14070034-FCC-H

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5.2 §2.1046; §22.913 (a); §24.232 (c) - RF Output Power

Conducted Measurement

EUT was set for low, mid, high channel with modulated mode and highest RF output power.

The spectrum analyzer was connected to the antenna terminal.

2. Conducted Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz - 40GHz is $\pm 1.5dB$.

3. Environmental Conditions

Temperature 26°C
Relative Humidity 50%
Atmospheric Pressure 1009mbar

4. Test date: May 28, 2014 Tested By: Hank Li

Procedures: (According with KDB 971168)

For Conducted Power:

- 1. The transmitter output port was connected to base station.
- 2. Set EUT at maximum power through base station.
- 3. Select lowest, middle, and highest channels for each band and different test mode.
- 4. The instrument must have an available measurement/resolution bandwidth that is equal to or exceeds the OBW. If this capability is available, then the following procedure can be used to determine the total peak output power.
 - a) Set the RBW \geq OBW.
 - b) Set VBW $\geq 3 \times RBW$.
 - c) Set span $\geq 2 \times RBW$
 - d) Sweep time = auto couple.
 - e) Detector = peak.
 - f) Ensure that the number of measurement points ≥ span/RBW.
 - g) Trace mode = max hold.
 - h) Allow trace to fully stabilize.
 - 1) Use the peak marker function to determine the peak amplitude level.

For ERP/EIRP: (According with TIA 603D)

- 1. The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.
- 2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
- 3. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Sample Calculation:

EUT Field Strength (dBm) = Reading (Signal generator) + Antenna Gain (substitution antenna) - Cable loss (From Signal Generator to substitution antenna)

Test Result: Pass

Remark: Conducted Burst Average power for reporting purposes only

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Conducted Power

GSM Mode:

Burst Average Power (dBm);								
Band		GSN	1 850			GSM	11900	
Channel	128	190	251	Tune up Power tolerant	512	661	810	Tune up Power tolerant
Frequency (MHz)	824.2	836.6	848.8	/	1850.2	1880	1909.8	/
GSM Voice (1 uplink),GMSK	31.88	31.97	31.98	32±1	29.06	29.15	29.19	29±1
GPRS Multi-Slot Class 8 (1 uplink),GMSK	31.82	31.93	31.95	32±1	29.04	29.14	29.17	29±1
GPRS Multi-Slot Class 10 (2 uplink),GMSK	31.14	31.18	31.06	31±1	28.25	28.34	28.45	28±1
GPRS Multi-Slot Class 12 (4 uplink),GMSK	31.11	31.15	31.04	31±1	25.61	25.33	25.63	25±1

Remark:

GPRS, CS1 coding scheme.

Multi-Slot Class 8 , Support Max 4 downlink, 1 uplink , 5 working link Multi-Slot Class 10 , Support Max 4 downlink, 2 uplink , 5 working link

Multi-Slot Class 12, Support Max 4 downlink, 4 uplink, 5 working link

Note: Since GSM mode has higher power, so the test items below were not performed to GPRS mode.



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UMTS Mode:

UMTS-FDD Band V

Band/ Time Slot configuration	Channel	Frequency	Average power (dBm)
DMC	4132	826.4	22.88
RMC 12.2kbps	4175	835	22.73
12.28008	4233	846.6	22.66
HSDPA	4132	826.4	22.87
	4175	835	22.75
Subtest1	4233	846.6	22.67
HCDDA	4132	826.4	22.86
HSDPA Subtost?	4175	835	22.74
Subtest2	4233	846.6	22.65
HCDDA	4132	826.4	22.85
HSDPA Subtest3	4175	835	22.76
	4233	846.6	22.64
HSDPA Subtest4	4132	826.4	22.67
	4175	835	22.76
	4233	846.6	22.65
HCHDA	4132	826.4	22.87
HSUPA Subtest1	4175	835	22.74
Subtest1	4233	846.6	22.68
HCHDA	4132	826.4	22.89
HSUPA Subtest2	4175	835	22.76
Subtest2	4233	846.6	22.65
HCHDA	4132	826.4	22.86
HSUPA Subtest3	4175	835	22.75
Subtests	4233	846.6	22.67
HCHDA	4132	826.4	22.86
HSUPA Subtest4	4175	835	22.76
20015214	4233	846.6	22.67
HSUPA	4132	826.4	22.89
Subtest5	4175	835	22.75
Subicsis	4233	846.6	22.68



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UMTS-FDD Band II

Band/ Time Slot configuration	Channel	Frequency	Average power (dBm)
RMC	9262	1852.4	22.14
12.2kbps	9400	1880	21.98
	9538	1907.6	21.8
HSDPA	9262	1852.4	22.16
Subtest1	9400	1880	21.97
Subtest1	9538	1907.6	21.83
HCDDA	9262	1852.4	22.16
HSDPA	9400	1880	21.96
Subtest2	9538	1907.6	21.85
HCDDA	9262	1852.4	22.15
HSDPA Subtest3	9400	1880	21.94
Subtests	9538	1907.6	21.86
HSDPA Subtest4	9262	1852.4	22.16
	9400	1880	21.97
	9538	1907.6	21.83
HCHDA	9262	1852.4	22.15
HSUPA Subtest1	9400	1880	21.94
Subtest1	9538	1907.6	21.86
HCHDA	9262	1852.4	22.14
HSUPA Subtest2	9400	1880	21.98
Subtest2	9538	1907.6	21.86
HSUPA	9262	1852.4	22.13
Subtest3	9400	1880	21.92
Sublests	9538	1907.6	21.84
HSUPA	9262	1852.4	22.15
Subtest4	9400	1880	21.99
วนบเธรเ4	9538	1907.6	21.82
HCHDA	9262	1852.4	22.14
HSUPA Subtest5	9400	1880	21.96
Subicsis	9538	1907.6	21.81



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ERP & EIRP (worst case) ERP for Cellular Band (Part 22H)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
824.2	20.13	V	6.8	0.53	25.09	38.45
824.2	20.34	Н	6.8	0.53	25.32	38.45
836.6	20.27	V	6.8	0.53	25.38	38.45
836.6	19.99	Н	6.8	0.53	25.16	38.45
848.8	19.86	V	6.8	0.53	25.44	38.45
848.8	20.17	Н	6.8	0.53	25.30	38.45

EIRP for PCS Band (Part 24E)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
1850.2	15.32	V	7.88	0.85	21.32	33
1850.2	15.49	Н	7.88	0.85	21.36	33
1880	15.27	V	7.88	0.85	21.30	33
1880	15.31	Н	7.88	0.85	21.41	33
1909.8	15.29	V	7.88	0.85	21.35	33
1909.8	15.36	Н	7.88	0.85	21.47	33

ERP for UMTS-FDD Band V (Part 22H)

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
826.4	10.26	V	6.8	0.53	17.52	38.45
826.4	10.15	Н	6.8	0.53	17.63	38.45
835	10.34	V	6.8	0.53	17.55	38.45
835	10.71	Н	6.8	0.53	17.53	38.45
846.6	10.44	V	6.9	0.53	17.74	38.45
846.6	10.36	Н	6.9	0.53	17.61	38.45

EIRP for UMTS-FDD Band II (Part 24E)

				`	,	
Frequency (MHz)	Substituted level (dBm)	Antenna Polarization	Antenna Gain correction (dBi)	Cable Loss (dB)	Absolute Level (dBm)	Limit (dBm)
1852.4	10.09	V	7.88	0.85	18.20	33
1852.4	10.33	Н	7.88	0.85	18.18	33
1880	10.21	V	7.88	0.85	18.15	33
1880	10.34	Н	7.88	0.85	18.02	33
1907.6	10.19	V	7.86	0.85	17.90	33
1907.6	10.24	Н	7.86	0.85	17.96	33



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5.3 §2.1047 - Modulation Characteristic

According to FCC § 2.1047(d), Part 22H & 24E there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

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5.4 §2.1049, §22.917, §22.905 & §24.238 - Occupied Bandwidth

1. Conducted Measurement

EUT was set for low, mid, high channel with modulated mode and highest RF output power.

The spectrum analyser was connected to the antenna terminal.

2. Environmental Conditions Temperature 21°C Relative Humidity 52%

Relative Humidity 52% Atmospheric Pressure 1011mbar

3. Conducted Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor

of 2, in the range 30MHz - 40GHz is $\pm 1.5dB$.

Test date: May 30, 2014 Tested By: Hank Li

Procedures:

4.

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.

2. The 99% and 26 dB occupied bandwidth (BW) of the middle channel for the highest RF powers.

3. Details according with KDB 971168 section 4.1 & 4.2.

Test Results: Pass

Cellular Band (Part 22H)

Channel Frequency (MHz)		99% Occupied Bandwidth (kHz)	26 dB Bandwidth (kHz)
128	824.2	248.5152	310.978
190	836.6	253.3642	323.672
251	848.8	244.2084	314.832

PCS Band (Part 24E)

Channel Frequency (MHz)		99% Occupied Bandwidth (kHz)	26 dB Bandwidth (kHz)
512	1850.2	247.3518	318.727
661	1880.0	249.6293	318.681
810	1909.8	249.9233	316.136

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UMTS-FDD Band V (Part 22H)

Channel Frequency (MHz)		99% Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
4132	826.4	4.1597	4.672
4175	835.0	4.1471	4.693
4233	846.6	4.1543	4.664

UMTS-FDD Band II (Part 24E)

011110 1 DD Duild II (1 uit 2 12)									
Channel Frequency (MHz)		99% Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)						
9262	1852.4	4.1608	4.701						
9400	1880.0	4.1803	4.724						
9538	1907.6	4.1700	4.713						

Please refer to the following plots.

Note:

850: Cellular Band 1900: PCS Band

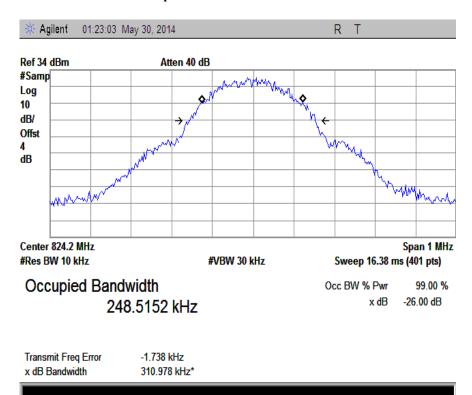
W850: UMTS-FDD Band $\,\mathrm{V}\,$ W1900: UMTS-FDD Band $\,\mathrm{II}\,$

L: Low Channel M: Middle Channel H: High Channel

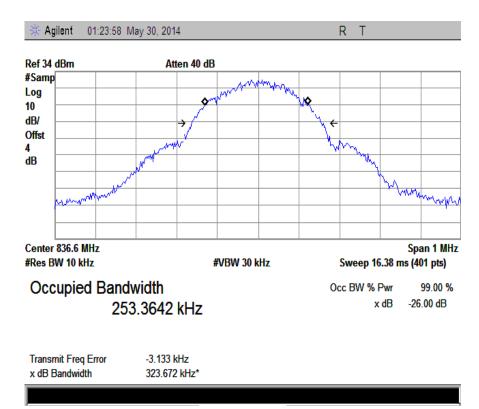


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99% Occupied Bandwidth & 26 dB Bandwidth



850-26DB-L.



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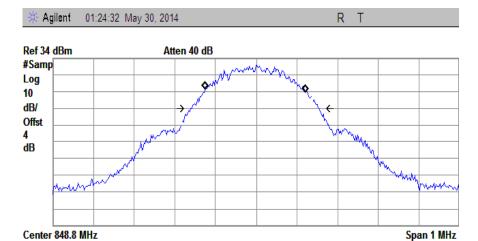
Title: RF Test Report for Mobile phone

Main Model: AX745

Serial Model: AX750

To: FCC Part 22(H) & FCC Part 24(E): 2013

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#VBW 30 kHz

Occupied Bandwidth 244.2084 kHz

#Res BW 10 kHz

Transmit Freq Error

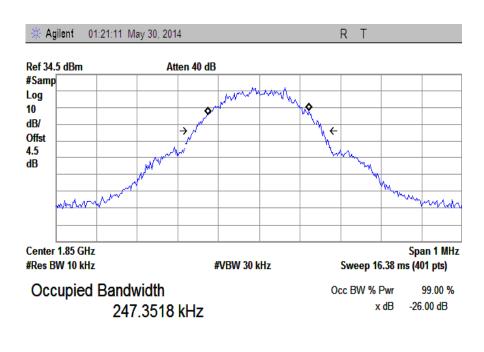
x dB Bandwidth

Occ BW % Pwr 99.00 % x dB -26.00 dB

Sweep 16.38 ms (401 pts)

Transmit Freq Error -1.961 kHz x dB Bandwidth 314.832 kHz*

850-26DB-H



-1.137 kHz

318.727 kHz*

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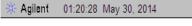
RF Test Report for Mobile phone

Main Model: AX745

Serial Model: AX750

To: FCC Part 22(H) & FCC Part 24(E): 2013

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R 1



Occupied Bandwidth 249.6293 kHz

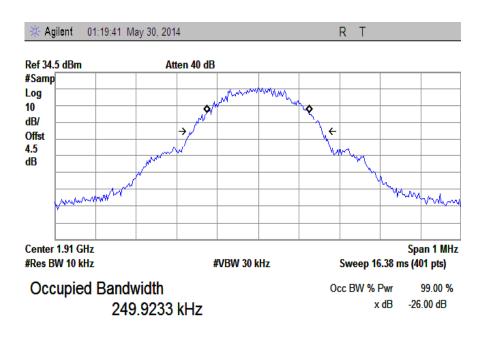
Occ BW % Pwr 99.00 % x dB -26.00 dB

Transmit Freq Error -1.405 kHz x dB Bandwidth 318.681 kHz*

Transmit Freq Error

x dB Bandwidth

1900-26DB-M



-824.277 Hz

316.136 kHz*

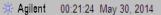
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Title:

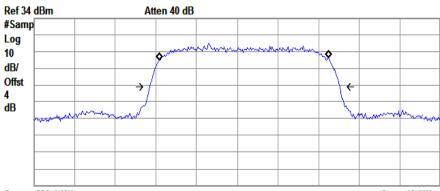
RF Test Report for Mobile phone
Main Model: AX745
Serial Model: AX750
To:

FCC Part 22(H) & FCC Part 24(E): 2013

Report No: 14070034-FCC-R1 Issue Date: June 06, 2014 Page: 21 of 64 www.siemic.com www.siemic.com.cn



R T



Center 826.4 MHz #Res BW 100 kHz

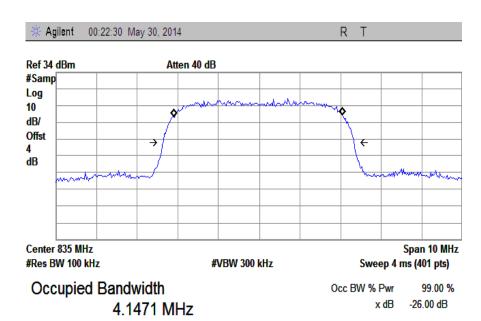
#VBW 300 kHz

Span 10 MHz Sweep 4 ms (401 pts)

Occupied Bandwidth 4.1597 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB

Transmit Freq Error 180.826 kHz x dB Bandwidth 4.672 MHz*

W850-26DB-L



Transmit Freq Error -18.847 kHz x dB Bandwidth 4.693 MHz*

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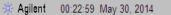
Title: RF Test Report for Mobile phone

Main Model: AX745

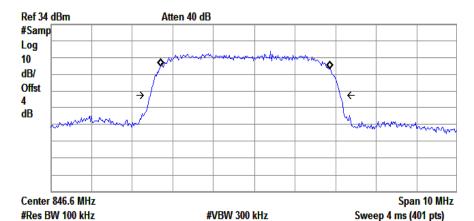
Serial Model: AX750

To: FCC Part 22(H) & FCC Part 24(E): 2013

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R T



Occupied Bandwidth 4.1543 MHz

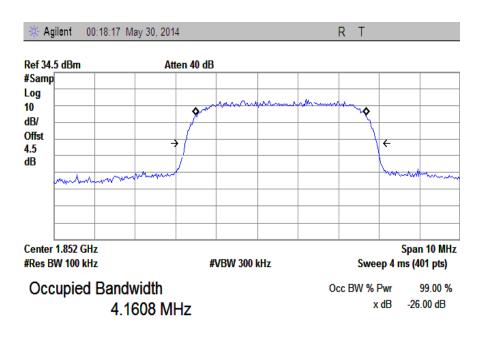
Occ BW % Pwr 99.00 % x dB -26.00 dB

Transmit Freq Error -227.975 kHz x dB Bandwidth 4.664 MHz*

Transmit Freq Error

x dB Bandwidth

W850-26DB-H



585.325 kHz

4.701 MHz*

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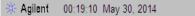
Title: RF Test Report for Mobile phone

Main Model: AX745

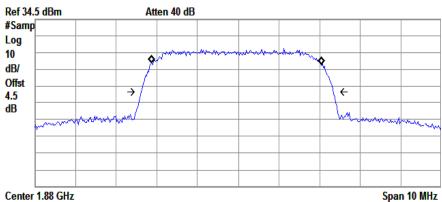
Serial Model: AX750

To: FCC Part 22(H) & FCC Part 24(E): 2013

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R T



Center 1.88 GHz #Res BW 100 kHz

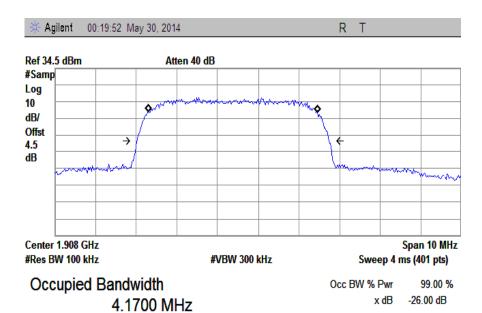
#VBW 300 kHz

Sweep 4 ms (401 pts)

Occupied Bandwidth 4.1803 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB

Transmit Freq Error -29.150 kHz x dB Bandwidth 4.724 MHz*

W1900-26DB-M



Transmit Freq Error -624.565 kHz x dB Bandwidth 4.713 MHz*

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<u>5.5 §2.1051, §22.917(a) & §24.238(a) - Spurious Emissions at Antenna Terminals</u>

1. Conducted Measurement

EUT was set for low, mid, high channel with modulated mode and highest RF output power.

The spectrum analyzer was connected to the antenna terminal.

2. Conducted Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz - 40GHz is $\pm 1.5dB$.

3. Environmental Conditions Temperature

Temperature 26°C
Relative Humidity 50%
Atmospheric Pressure 1009mbar

4. Test date: May 28, 2014 Tested By: Hank Li

Standard Requirement:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P) dB$.

Procedures:

- 1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
- 2. The Band Edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly BW/100.
- 3. Details according with KDB 971168 section 6.0.

Test Result: Pass

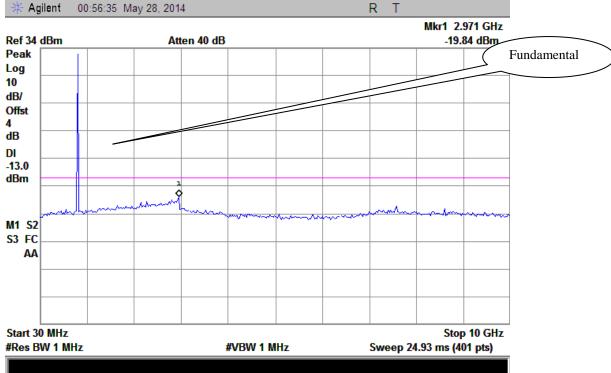
Refer to the attached plots.

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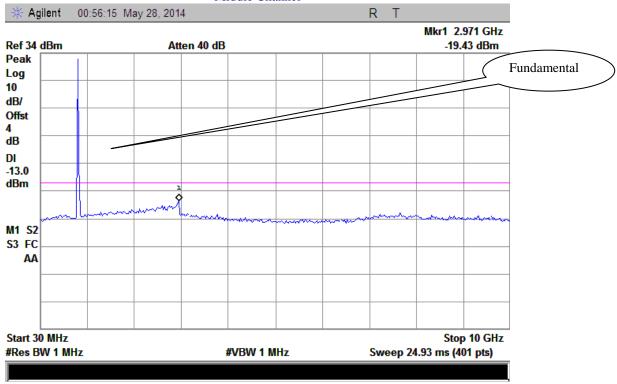
Cellular Band (Part 22H)

30MHz - 10G - GSM850



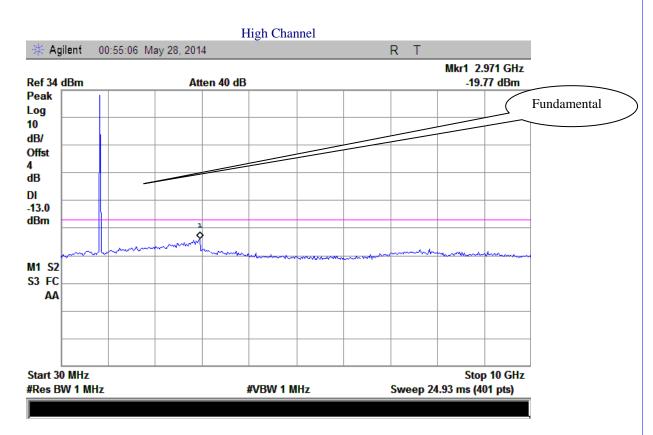


Middle Channel



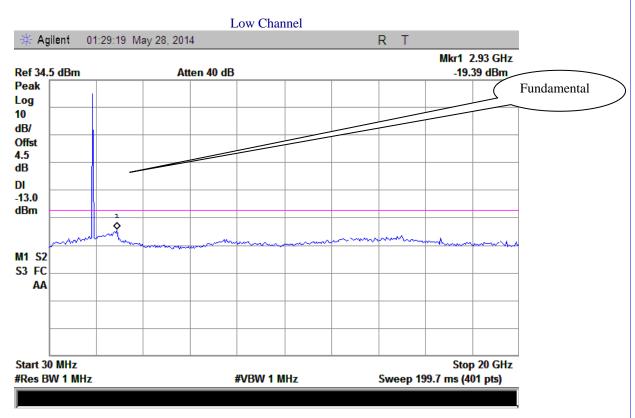


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PCS Band (Part24E)

30MHz -20G - PCS1900



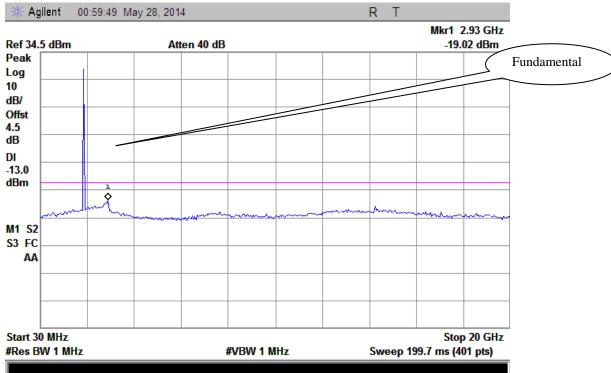


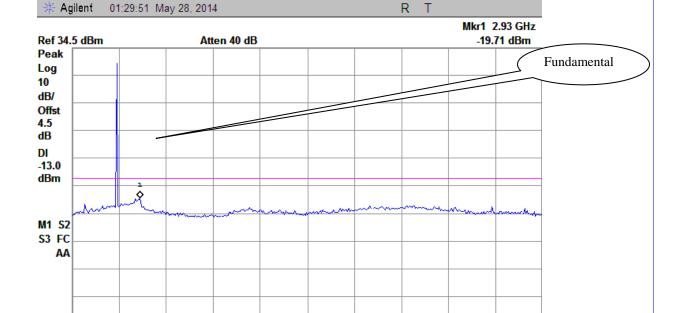
Start 30 MHz

#Res BW 1 MHz

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Stop 20 GHz

Sweep 199.7 ms (401 pts)

High Channel

#VBW 1 MHz

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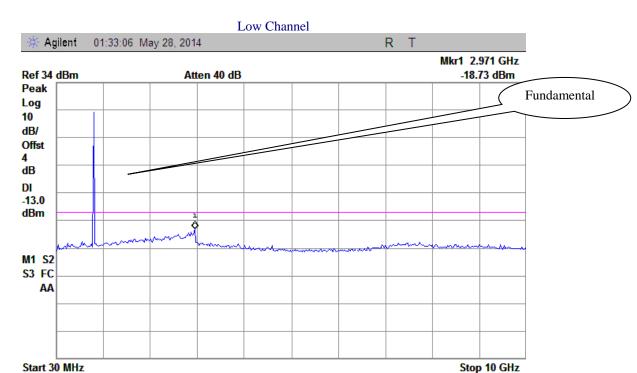
Sweep 24.93 ms (401 pts)

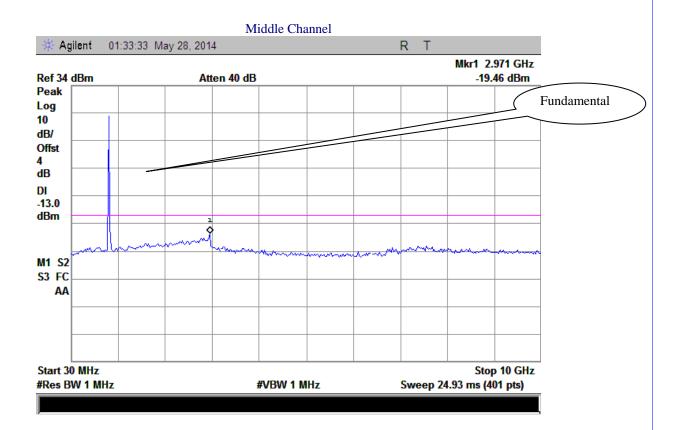
UMTS-FDD Band V (Part 22H)

#Res BW 1 MHz

30MHz -10G - WCDMA 850

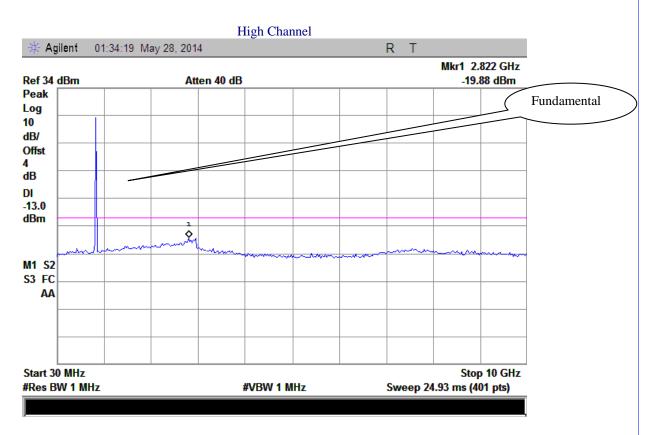
#VBW 1 MHz





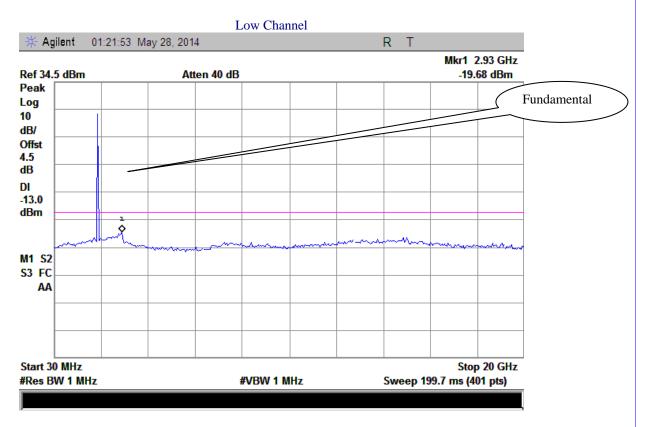


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UMTS-FDD Band II (Part24E)

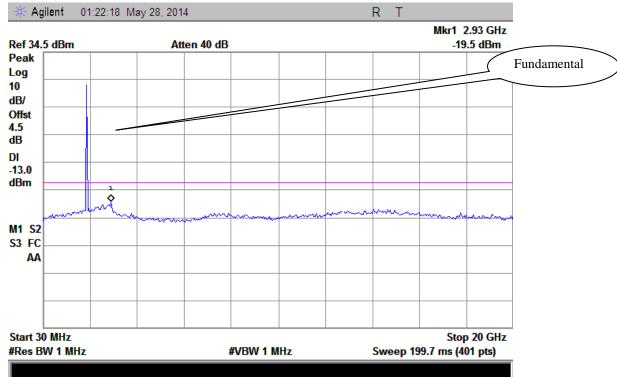
30MHz -25G - WCDMA1900

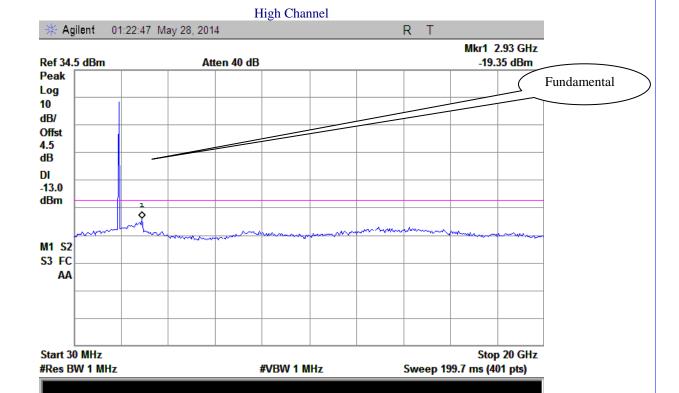




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5.6 §2.1053, §22.917 & §24.238 - Spurious Radiated Emissions

1. All possible modes of operation were investigated. Only the 6 worst case emissions measured, using the correct CISPR detectors, are reported. All other emissions were relatively insignificant.

2. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.

3. Radiated Emissions Measurement Uncertainty

All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 1 GHz - 40 GH is $\pm 6.0 \text{dB}$ (for EUTs < 0.5 m X 0.5 m X 0.5 m).

4. Environmental Conditions Temperature 26°C

Relative Humidity 50% Atmospheric Pressure 1009mbar

5. Test date: May 28, 2014 Tested By: Hank Li

Standard Requirement:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P) dB$. The spectrum is scanned from 30 MHz up to a frequency including its 10^{th} harmonic.

Procedures: (According with TIA 603D)

- 1. The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.
- 2. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
- 3. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Sample Calculation:

EUT Field Strength (dBm) = Reading (Signal generator) + Antenna Gain (substitution antenna) - Cable loss (From Signal Generator to substitution antenna)

Test Result: Pass



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Cellular Band (Part 22H)

Low channel

Frequency	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Corrected Reading	Limit	Margin
(MHz)	(dBm)	(H/V)	(dBi)	(dB)	(dBm)	(dBm)	(dB)
1648.4	-38.26	V	7.95	0.78	-31.09	-13	-18.09
1648.4	-37.86	Н	7.95	0.78	-30.69	-13	-17.69
295.8	-53.55	V	6.10	0.25	-47.70	-13	-34.70
654.3	-56.37	Н	6.80	0.39	-49.96	-13	-36.96

Middle channel

Frequency	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Corrected Reading	Limit	Margin
(MHz)	(dBm)	(H/V)	(dBi)	(dB)	(dBm)	(dBm)	(dB)
1673.2	-37.94	V	7.95	0.78	-30.77	-13	-17.77
1673.2	-38.25	Н	7.95	0.78	-31.08	-13	-18.08
292.8	-54.67	V	6.10	0.25	-48.82	-13	-35.82
653.7	-55.89	Н	6.80	0.39	-49.48	-13	-36.48

Frequency (MHz)	Substituted level	Antenna Polarization (H/V)	Antenna Gain correction (dBi)	Cable Loss	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
1697.6	-38.16	V	7.95	0.78	-30.99	-13	-17.99
1697.6	-38.85	Н	7.95	0.78	-31.68	-13	-18.68
293.3	-55.15	V	6.10	0.25	-49.30	-13	-36.30
655.5	-56.26	Н	6.80	0.39	-49.85	-13	-36.85



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PCS Band (Part 24E)

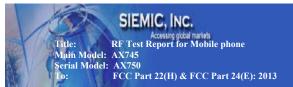
Low channel

Frequency	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Corrected Reading	Limit	Margin
(MHz)	(dBm)	(H/V)	(dBi)	(dB)	(dBm)	(dBm)	(dB)
3700.4	-39.96	V	10.25	2.73	-32.44	-13	-19.44
3700.4	-44.76	Н	10.25	2.73	-37.24	-13	-24.24
294.6	-56.39	V	6.10	0.25	-50.54	-13	-37.54
655.4	-57.22	Н	6.80	0.39	-50.81	-13	-37.81

Middle channel

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization (H/V)	Antenna Gain correction (dBi)	Cable Loss	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3760	-40.02	V	10.25	2.73	-32.50	-13	-19.50
3760	-45.11	Н	10.25	2.73	-37.59	-13	-24.59
296.9	-56.57	V	6.10	0.25	-50.72	-13	-37.72
652.5	-57.38	Н	6.80	0.39	-50.97	-13	-37.97

Frequency	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Corrected Reading	Limit	Margin
(MHz)	(dBm)	(H/V)	(dBi)	(dB)	(dBm)	(dBm)	(dB)
3819.6	-40.13	V	10.36	2.73	-32.50	-13	-19.50
3819.6	-44.76	Н	10.36	2.73	-37.13	-13	-24.13
293.8	-56.38	V	6.10	0.25	-50.53	-13	-37.53
653.1	-56.89	Н	6.80	0.39	-50.48	-13	-37.48



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UMTS-FDD Band V (Part 22H)

Low channel

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization (H/V)	Antenna Gain correction (dBi)	Cable Loss	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
1652.8	-44.59	V	7.95	0.78	-37.42	-13	-24.42
1652.8	-45.37	Н	7.95	0.78	-38.20	-13	-25.20
294.2	-53.67	V	6.10	0.25	-47.82	-13	-34.82
655.7	-56.64	Н	6.80	0.39	-50.23	-13	-37.23

Middle channel

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization (H/V)	Antenna Gain correction (dBi)	Cable Loss	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
1670	-44.62	V	7.95	0.78	-37.45	-13	-24.45
1670	-45.39	Н	7.95	0.78	-38.22	-13	-25.22
292.6	-54.05	V	6.10	0.25	-48.20	-13	-35.20
653.5	-57.03	Н	6.80	0.39	-50.62	-13	-37.62

Frequency	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Corrected Reading	Limit	Margin
(MHz)	(dBm)	(H/V)	(dBi)	(dB)	(dBm)	(dBm)	(dB)
1693.2	-44.83	V	7.95	0.78	-37.66	-13	-24.66
1693.2	-45.64	Н	7.95	0.78	-38.47	-13	-25.47
292.9	-54.29	V	6.10	0.25	-48.44	-13	-35.44
655.1	-56.37	Н	6.80	0.39	-49.96	-13	-36.96



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UMTS-FDD Band II (Part 24E)

Low channel

Frequency	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Corrected Reading	Limit	Margin
(MHz)	(dBm)	(H/V)	(dBi)	(dB)	(dBm)	(dBm)	(dB)
3704.8	-47.82	V	10.25	2.73	-40.30	-13	-27.30
3704.8	-49.39	Н	10.25	2.73	-41.87	-13	-28.87
292.4	-55.67	V	6.10	0.25	-49.82	-13	-36.82
651.1	-56.24	Н	6.80	0.39	-49.83	-13	-36.83

Middle channel

Frequency (MHz)	Substituted level (dBm)	Antenna Polarization (H/V)	Antenna Gain correction (dBi)	Cable Loss	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3760	-48.06	V	10.25	2.73	-40.54	-13	-27.54
3760	-49.56	Н	10.25	2.73	-42.04	-13	-29.04
296.5	-55.49	V	6.10	0.25	-49.64	-13	-36.64
655.6	-55.83	Н	6.80	0.39	-49.42	-13	-36.42

Frequency	Substituted level	Antenna Polarization	Antenna Gain correction	Cable Loss	Corrected Reading	Limit	Margin
(MHz)	(dBm)	(H/V)	(dBi)	(dB)	(dBm)	(dBm)	(dB)
3815.2	-48.11	V	10.36	2.73	-40.48	-13	-27.48
3815.2	-50.01	Н	10.36	2.73	-42.38	-13	-29.38
297.4	-56.06	V	6.10	0.25	-50.21	-13	-37.21
654.7	-55.76	Н	6.80	0.39	-49.35	-13	-36.35

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5.7 §22.917(a) & §24.238(a) - Band Edge

1. Conducted Measurement

EUT was set for low, mid, high channel with modulated mode and highest RF output power.

The spectrum analyzer was connected to the antenna terminal.

2. Conducted Emissions Measurement Uncertainty

> All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz - 40GHz is $\pm 1.5dB$.

Environmental Conditions 3.

21°C Temperature Relative Humidity 52%

Atmospheric Pressure

1011mbar

Test date: May 30, 2014 4. Tested By: Hank Li

Standard Requirement:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P) dB$.

Procedures:

- 1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
- 2. The Band Edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly BW/100.
- 3. Details according with KDB 971168 section 6.0.

Test Result: Pass

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Refer to the attached plots.

Cellular Band (Part 22H)

Frequency (MHz)	Emission (dBm)	Limit (dBm)
823.9800	-15.18	-13
849.0150	-13.88	-13

PCS Band (Part 24E)

Frequency (MHz)	Emission (dBm)	Limit (dBm)
1849.9775	-16.25	-13
1910.0200	-13.8	-13

UMTS-FDD Band V (Part 22H)

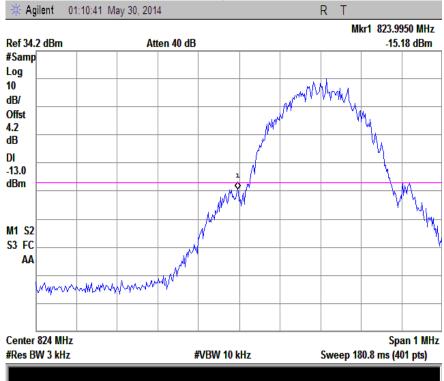
(- 111 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
Frequency (MHz)	Emission (dBm)	Limit (dBm)		
824.000	-23.96	-13		
849.000	-27.4	-13		

UMTS-FDD Band II (Part 24E)

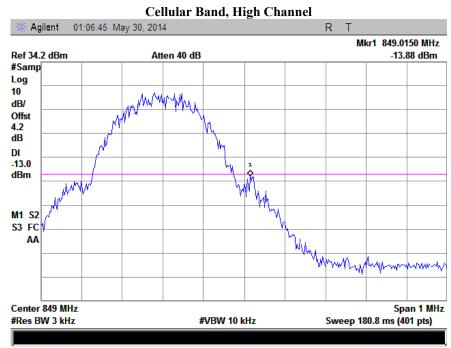
	CMIS IDD Band II (I ait 242)					
Frequency (MHz)	Emission (dBm)	Limit (dBm)				
1850.000	-28.82	-13				
1910.000	-25.66	-13				

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Cellular Band, Low Channel



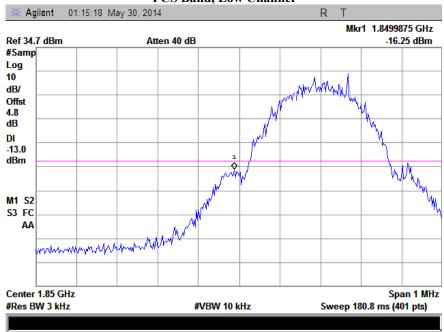
Note: Offset=Cable loss (4.0) + 10log (3.11/3)=4.0+0.2=4.2 dB



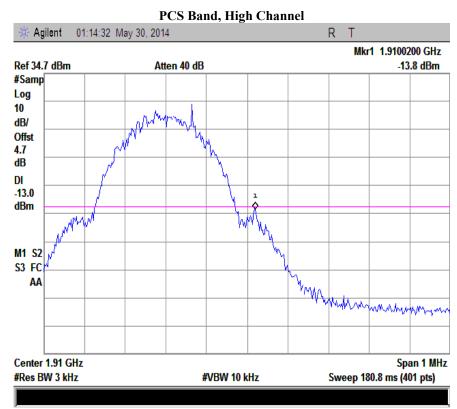
Note: Offset=Cable loss (4.0) + 10log (3.15/3)=4.0+0.2=4.2 dB

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Note: Offset=Cable loss (4.5) + 10log (3.19/3)=4.5+0.3=4.8 dB



Note: Offset=Cable loss (4.5) + 10log (3.16/3)=4.5+0.2=4.7 dB

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UMTS-FDD Band V, Low Channel



Note: Offset=Cable loss (4.0) + 10log (47/30)=4.0+1.9=5.9 dB

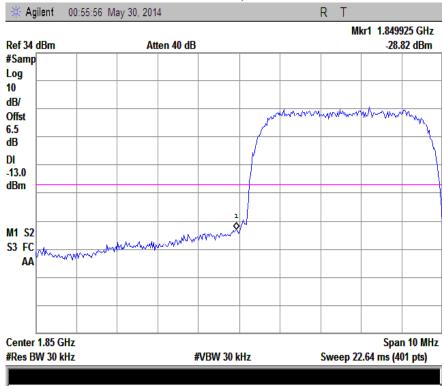
UMTS-FDD Band V, High Channel



Note: Offset=Cable loss (4.0) + 10log (47/30)=4.0+1.9=5.9 dB

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UMTS-FDD Band II, Low Channel



Note: Offset=Cable loss (4.5) + 10log (47/30)=4.5+2=6.5 dB

UMTS-FDD Band II, High Channel



Note: Offset=Cable loss (4.5) + 10log (47/30)=4.5+2=6.5 dB

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5.8 §2.1055, §22.355 & §24.235 - Frequency Stability

 1.
 Environmental Conditions
 Temperature
 21°C

 Relative Humidity
 52%

 Atmospheric Pressure
 1011mbar

2. Test date: May 30, 2014 Tested By: Hank Li

Standard Requirement:

According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:

Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency Range (MHz)	Base, fixed (ppm)	Mobile ≤3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929.	5.0	N/A	N/A
929 to 960.	1.5	N/A	N/A
2110 to 2220	10.0	N/A	N/A

According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized frequency block.

Procedures:

A communication link was established between EUT and base station. The frequency error was monitored and measured by base station under variation of ambient temperature and variation of primary supply voltage.

Limit: The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.

Test Results: Pass

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Frequency Stability versus Temperature: The Frequency tolerance of the carrier signal shall be maintained within 2.5ppm of the operating frequency over a temperature variation of -10°C to +55°C at normal supply voltage.

Cellular Band (Part 22H)

	Middle Channel, f ₀ = 836.6 MHz				
Temperature (°C)	Power Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	
-10		15	0.0179	2.5	
0		19	0.0227	2.5	
10	3.7	22	0.0263	2.5	
20		24	0.0287	2.5	
30		27	0.0323	2.5	
40		25	0.0299	2.5	
50		28	0.0335	2.5	
55		35	0.0418	2.5	
25	4.2	23	0.0275	2.5	
25	3.5	27	0.0323	2.5	

PCS Band (Part 24E)

	Middle Channel, f _o = 1880 MHz				
Temperature (°C)	Power Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	
-10		17	0.0090	2.5	
0		21	0.0112	2.5	
10	3.7	27	0.0144	2.5	
20		26	0.0138	2.5	
30		34	0.0181	2.5	
40		33	0.0176	2.5	
50		19	0.0101	2.5	
55		18	0.0096	2.5	
25	4.2	23	0.0122	2.5	
23	3.5	28	0.0149	2.5	



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UMTS-FDD Band V (Part 22H)

	Middle Channel, $f_0 = 835 \text{ MHz}$				
Temperature (°C)	Power Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)	
-10		15	0.0180	2.5	
0		8	0.0096	2.5	
10	3.7	10	0.0120	2.5	
20		11	0.0132	2.5	
30		12	0.0144	2.5	
40		9	0.0108	2.5	
50		16	0.0192	2.5	
55		10	0.0120	2.5	
25	4.2	18	0.0216	2.5	
23	3.5	6	0.0072	2.5	

UMTS-FDD Band II (Part 24E)

	Middle Channel, f ₀ = 1880 MHz					
Temperature (°C)	Power Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)		
-10		7	0.0037	2.5		
0		8	0.0043	2.5		
10	3.7	9	0.0048	2.5		
20		9	0.0048	2.5		
30		15	0.0080	2.5		
40		12	0.0064	2.5		
50		8	0.0043	2.5		
55		15	0.0080	2.5		
25	4.2	8	0.0043	2.5		
23	3.5	10	0.0053	2.5		



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Annex A. TEST INSTRUMENT & METHOD

Annex A.i. TEST INSTRUMENTATION & GENERAL PROCEDURES

Instrument	Model	Serial #	Calibration Date	Calibration Due Date
RF conducted test				
Agilent ESA-E SERIES SPECTRUM ANALYZER	E4407B	MY45108319	09/17/2013	09/16/2014
Power Splitter	1#	1#	09/02/2013	09/01/2014
Universal Radio Communication Tester	CMU200	121393	09/17/2013	09/16/2014
Temperature/Humidity Chamber	UHL-270	001	10/22/2013	10/21/2014
DC Power Supply	E3640A	MY40004013	09/17/2013	09/16/2014
Radiated Emissions				
EMI test receiver	ESL6	100262	11/23/2013	11/22/2014
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	09/02/2013	09/01/2014
Microwave Preamplifier (0.5~18GHz)	PAM-118	443008	09/02/2013	09/01/2014
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/23/2013	09/22/2014
Bilog Antenna (30MHz~2GHz)	JB1	A112017	09/23/2013	09/22/2014
Double Ridge Horn Antenna	AH-118	71259	11/20/2013	11/19/2014
(1 ~18GHz)				
Double Ridge Horn Antenna	AH-118	71283	11/20/2013	11/19/2014
(1 ~18GHz)				
SYNTHESIZED SIGNAL GENERATOR	8665B	3744A01293	09/17/2013	09/16/2014
Tunable Notch Filter	3NF- 800/1000-S	AA4	09/02/2013	09/01/2014
Tunable Notch Filter	3NF- 1000/2000-S	AM 4	09/02/2013	09/01/2014

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Annex A. ii. RADIATED EMISSIONS TEST DESCRIPTION

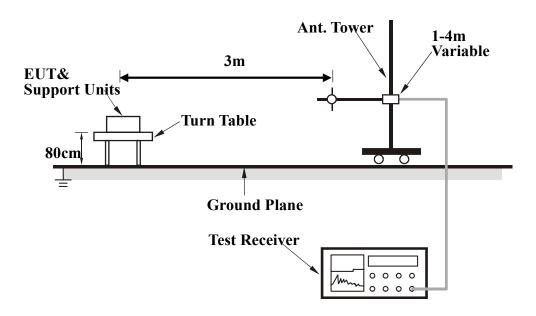
EUT Characterisation

EUT characterisation, over the frequency range from 30MHz to 1GHz (for FCC tests, until the 10^{th} harmonic for operating frequencies ≥ 108 MHz),, was done in order to minimise radiated emissions testing time while still maintaining high confidence in the test results.

The EUT was placed in the chamber, at a height of about 0.8m on a turntable. Its radiated emissions frequency profile was observed, using a spectrum analyzer /receiver with the appropriate broadband antenna placed 3m or 10m away from the EUT. Radiated emissions from the EUT were maximised by rotating the turntable manually, changing the antenna polarisation and manipulating the EUT cables while observing the frequency profile on the spectrum analyzer / receiver. Frequency points at which maximum emissions occurred, clock frequencies and operating frequencies were then noted for the formal radiated emissions test at the Open Area Test Site (OATS) or EMC 3m chamber.

Test Set-up

- 1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m X 1.0m X 0.8m high, non-metallic table.
- 2. The filtered power supply for the EUT and supporting equipment were tapped from the appropriate power sockets located on the turntable.
- 3. The relevant broadband antenna was set at the required test distance away from the EUT and supporting equipment boundary.



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Test Method

The following procedure was performed to determine the maximum emission axis of EUT:

- 1. With the receiving antenna is H polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
- 2. With the receiving antenna is V polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
- 3. Compare the results derived from above two steps. So, the axis of maximum emission from EUT was determined and the configuration was used to perform the final measurement.

Final Radiated Emission Measurement

- 1. Setup the configuration according to figure 1. Turn on EUT and make sure that it is in normal function.
- 2. For emission frequencies measured below 1 GHz, a pre-scan is performed in a shielded chamber to determine the accurate frequencies of higher emissions will be checked on a open test site or EMC 10m chamber. As the same purpose, for emission frequencies measured above 1 GHz, a pre-scan also be performed with a 1 meter measuring distance before final test.
- 3. For emission frequencies measured below and above 1 GHz, set the spectrum analyzer on a 100 kHz and 1 MHz resolution bandwidth respectively for each frequency measured in step 2.
- 4. The search antenna is to be raised and lowered over a range from 1 to 4 meters in horizontally polarized orientation. Position the highness when the highest value is indicated on spectrum analyzer, then change the orientation of EUT on test table over a range from $0 \circ to 360 \circ with a speed as slow as possible, and keep the azimuth that highest emission is indicated on the spectrum analyzer. Vary the antenna position again and record the highest value as a final reading.$
- 5. Repeat step 4 until all frequencies need to be measured were complete.
- 6. Repeat step 5 with search antenna in vertical polarized orientations.

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band	Function	Resolution bandwidth	Video Bandwidth
(MHz)			
30 to 1000	Peak	100 kHz	100 kHz
A hove 1000	Peak	1 MHz	1 MHz
Above 1000	Average	1 MHz	10 Hz

Description of Radiated Emission Program

This EMC Measurement software run LabView automation software and offers a common user interface for electromagnetic interference (EMI) measurements. This software is a modern and powerful tool for controlling and monitoring EMI test receivers and EMC test systems. It guarantees reliable collection, evaluation, and documentation of measurement results. Basically, this program will run a pre-scan measurement before it proceeds with the final measurement. The pre-scan routine will run the scan on four different antenna heights, 2 antenna polarity, and 360 degrees table rotation. For example, the program was set to run 30 MHz to 1 GHz scan; the program will first start from a meter antenna height and divide the 30 MHz to 1 GHz into 10 separate parts of maximum hold sweeps. Each parts of maximum hold sweep, the program will collect the data from 0 degree to 360 degrees table rotation. After the program complete the 1m scan, the antenna continues to rise to 2m and continue the scan. The step will repeated for all specified antenna height and polarity. This program will perform the Quasi Peak measurement after the signal maximization process and pre-scan routine. The final measurement will be base on the pre-scan data reduction result.

Sample Calculation Example

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. For the limit is employed average value, therefore the peak value can be transferred to average value by subtracting the duty factor. The basic equation with a sample calculation is as follows:

Peak = Reading + Corrected Factor

where

Corr. Factor = Antenna Factor + Cable Factor - Amplifier Gain (if any) And the average value is

> Average = Peak Value + Duty Factor or Set RBW = 1MHz, VBW = 10Hz.

Note:

If the measured frequencies are fall in the restricted frequency band, the limit employed must be quasi peak value when frequencies are below or equal to 1 GHz. And the measuring instrument is set to quasi peak detector function.

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Annex B. EUT AND TEST SETUP PHOTOGRAPHS

Annex B.i. Photograph 1: EUT External Photo



Whole Package - Top View



Adapter - Front View

SIEMIC, INC.

Accessing global markets
RF Test Report for Mobile phone
Main Model: AX745
Serial Model: AX750
To: FCC Part 22(H) & FCC Part 24(E): 2013

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EUT - Front View

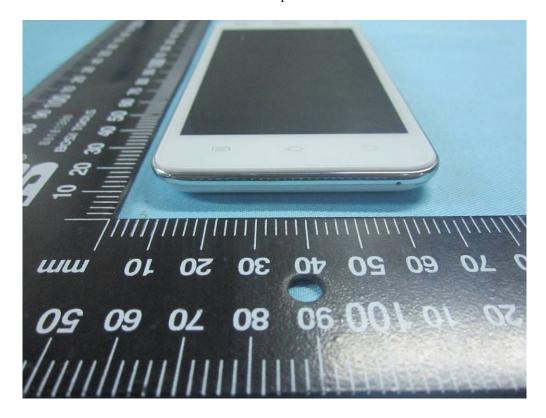


EUT - Rear View

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EUT - Top View



EUT - Bottom View

SIEMIC, INC.

Accessing global markets

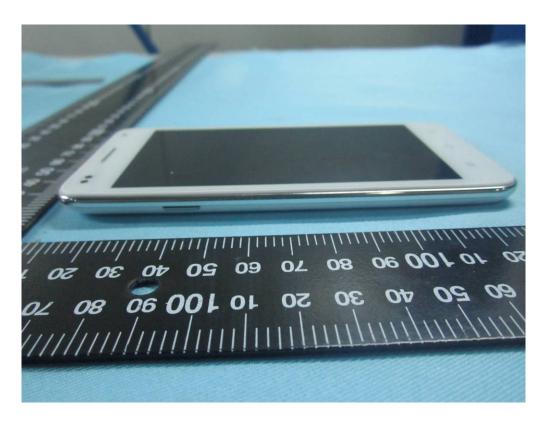
RF Test Report for Mobile phone

Main Model: AX745

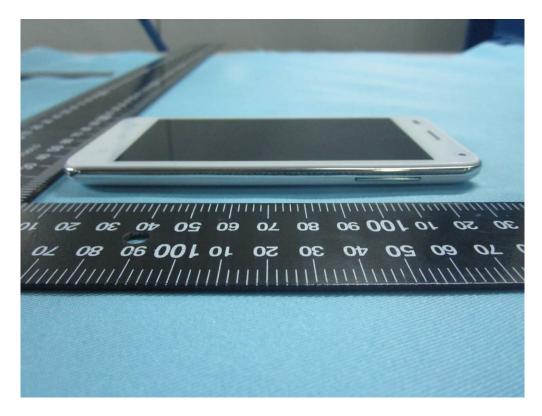
Serial Model: AX750

To: FCC Part 22(H) & FCC Part 24(E): 2013

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EUT - Left View



EUT - Right View

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Annex B.ii. Photograph 2: EUT Internal Photo



Cover Off - Top View 1



Cover Off - Top View 2

SIEMIC, INC.

Accessing global martels

RF Test Report for Mobile phone

Main Model: AX745

Serial Model: AX750

To: FCC Part 22(H) & FCC Part 24(E): 2013

Report No: 14070034-FCC-R1 Issue Date: June 06, 2014 Page: 53 of 64 www.siemic.com www.siemic.com.cn



Battery - Top View



Battery - Bottom View

SIEMIC, INC.

Accessing global markets

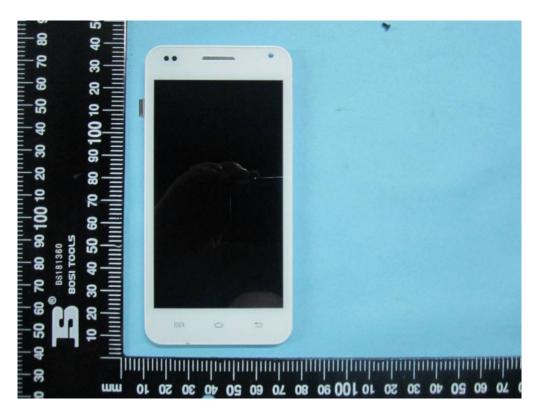
RF Test Report for Mobile phone

Main Model: AX745

Serial Model: AX750

To: FCC Part 22(H) & FCC Part 24(E): 2013

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LCD - Front View



LCD - Rear View

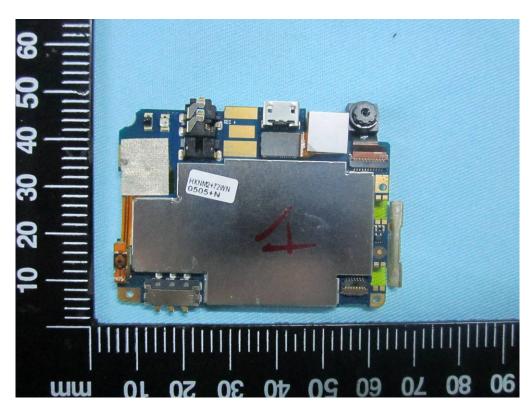
SIEMIC, INC.

Accessing global markets
Title:

RF Test Report for Mobile phone
Main Model: AX745
Serial Model: AX750
To:

FCC Part 22(H) & FCC Part 24(E): 2013

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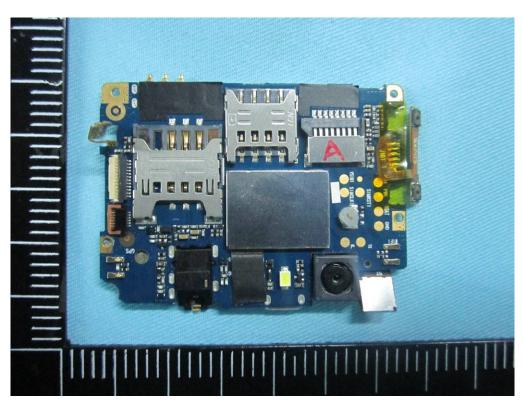


Mainborad With Shielding - Front View

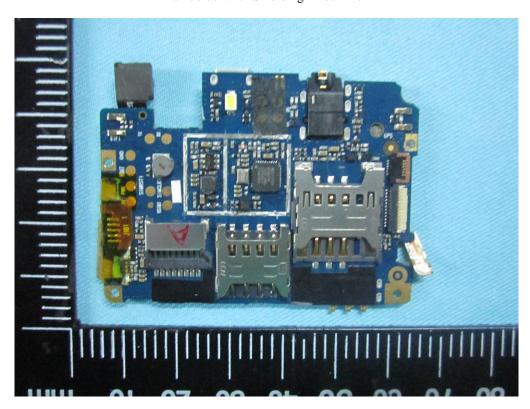


Mainborad Without Shielding - Front View

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Mainborad With Shielding - Rear View

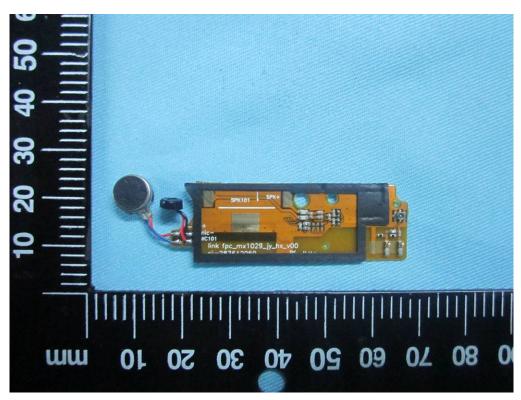


Mainborad Without Shielding - Rear View

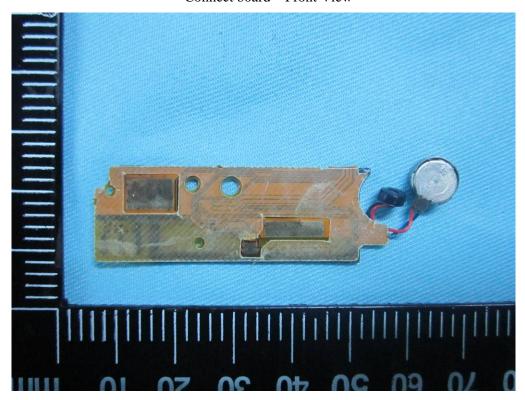
SIEMIC, INC.

Accessing oldel markets
RF Test Report for Mobile phone
Main Model: AX745
Serial Model: AX750
To: FCC Part 22(H) & FCC Part 24(E): 2013

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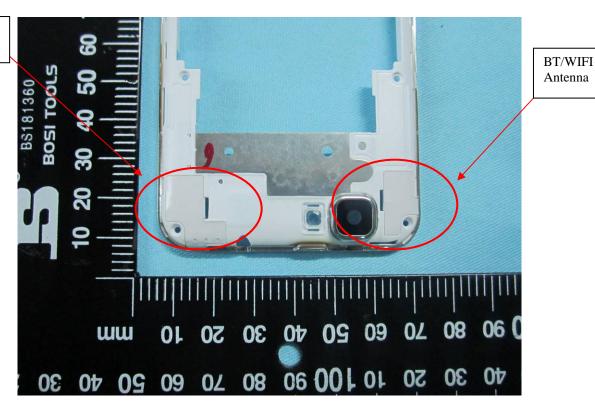
Connect board - Front View



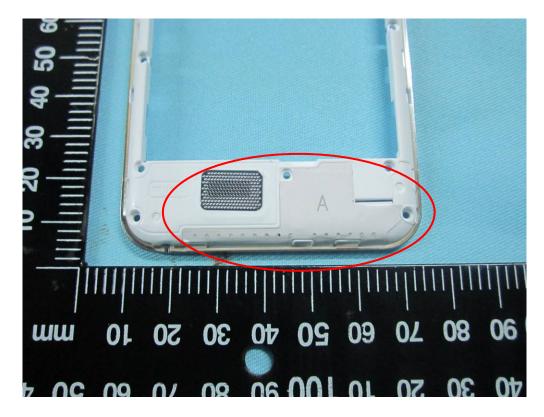
Connect board - Rear View

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GPS Antenna



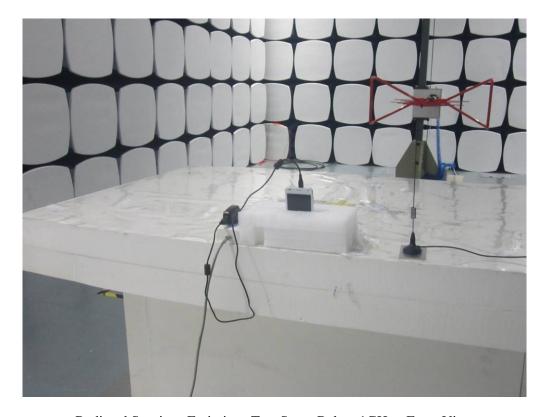
GPS/BT/WIFI Antenna View



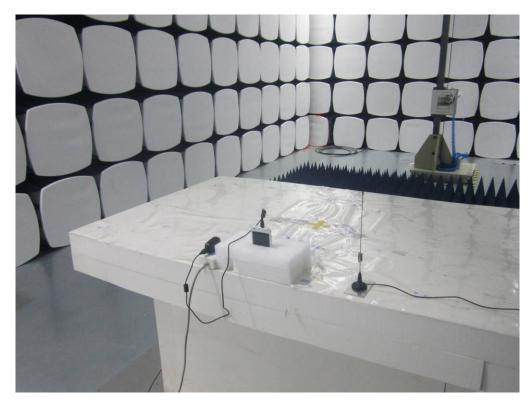
GSM/PCS/UMTS-FDD Antenna

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Annex B.iii. Photograph 3: Test Setup Photo



Radiated Spurious Emissions Test Setup Below 1GHz - Front View



Radiated Spurious Emissions Test Setup Above 1GHz -Front View

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Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

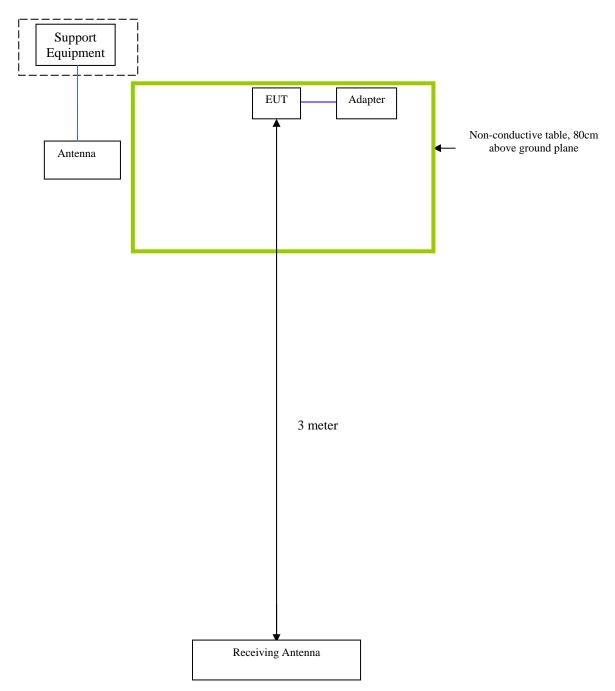
EUT TEST CONDITIONS

Annex C. i. SUPPORTING EQUIPMENT DESCRIPTION

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

Manufacturer	Equipment Description (Including Brand Name)	Model	Calibration Date	Calibration Due Date
N/A	N/A	N/A	N/A	N/A

Block Configuration Diagram for Radiated Emissions





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Annex C.ii. EUT OPERATING CONDITIONS

The following is the description of how the EUT is exercised during testing.

Test	Description Of Operation
Emissions Testing	The EUT was communicating with base station and set to work at maximum output power.
Others Testing	The EUT was communicating with base station and set to work at maximum output power.



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<u>Annex D.USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PART LIST</u>

Please see attachment



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Annex E. DECLARATION OF SIMILARITY

b mobile HK Limited

G/F. 144 UN CHAU STREET, SHAM SHUI PO, KOWLOON HONGKONG Tel: 852-27287886 Fax: 852-27280468

To SIEMIC Inc 775 Montague Expressway Milpitas, CA 95035.

Statement

We, B Mobile HK limited apply a multiple-listing certification for the below models.

Product Name: Mobile phone

Model number: AX745 and AX750

FCC ID: ZSW-AX745-AX750

We hereby state that these models are identical in interior structure, electrical circuits and components, and just model name is different for the marketing requirement.

Your assistance on this matter is highly appreciated.

Sincerely,

b mobile HK Limited

Authorized Signature(s)

Signature:

Name: Ka Shing Lam

Title: Director

Date: May 30, 2014