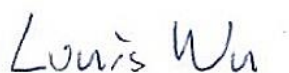


# FCC/IC Test Report

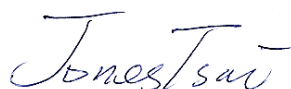
APPLICANT : TCT Mobile Limited  
EQUIPMENT : Tablet PC  
BRAND NAME : ALCATEL  
MODEL NAME : ONE TOUCH P310A  
MARKETING NAME : ALCATEL ONE TOUCH POP7  
FCC ID : RAD451  
IC : 9238A-0027  
STANDARD : FCC 47 CFR FCC Part 15 Subpart B  
ICES-003 Issue 5  
CLASSIFICATION : Certification

The product was received on Nov. 14, 2013 and testing was completed on Dec. 09, 2013. We, SPORTON INTERNATIONAL (SHENZHEN) INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.4-2003 and shown to be compliant with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (SHENZHEN) INC., the test report shall not be reproduced except in full.



Reviewed by: Louis Wu / Manager



Approved by: Jones Tsai / Manager



## **SPORTON INTERNATIONAL (SHENZHEN) INC.**

**No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P.R.C.**



## TABLE OF CONTENTS

**REVISION HISTORY..... 3**

**SUMMARY OF TEST RESULT ..... 4**

**1. GENERAL DESCRIPTION ..... 5**

    1.1. Applicant..... 5

    1.2. Manufacturer ..... 5

    1.3. Feature of Equipment Under Test..... 5

    1.4. Product Specification of Equipment Under Test ..... 6

    1.5. Modification of EUT ..... 7

    1.6. Test Site ..... 7

    1.7. Applied Standards ..... 7

**2. TEST CONFIGURATION OF EQUIPMENT UNDER TEST ..... 8**

    2.1. Test Mode ..... 8

    2.2. Connection Diagram of Test System ..... 10

    2.3. Support Unit used in test configuration and system..... 11

    2.4. EUT Operation Test Setup ..... 11

**3. TEST RESULT ..... 12**

    3.1. Test of AC Conducted Emission Measurement ..... 12

    3.2. Test of Radiated Emission Measurement ..... 16

**4. LIST OF MEASURING EQUIPMENT ..... 22**

**5. UNCERTAINTY OF EVALUATION ..... 23**

**APPENDIX A. PHOTOGRAPHS OF EUT**

**APPENDIX B. SETUP PHOTOGRAPHS**



### REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC3N1401	Rev. 01	Initial issue of report	Jan. 03, 2014



### SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.107	ICES003 Section 6.1	AC Conducted Emission	< 15.107 limits < ICES003 6.1 limits	PASS	Under limit 9.33 dB at 0.160 MHz
3.2	15.109	ICES003 Section 6.2	Radiated Emission	< 15.109 limits or < ICES003 6.2 limits	PASS	Under limit 10.25 dB at 188.110 MHz



## 1. General Description

### 1.1. Applicant

**TCT Mobile Limited**

5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park, Pudong Area Shanghai, P.R. China. 201203

### 1.2. Manufacturer

**TCT Mobile Limited**

5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park, Pudong Area Shanghai, P.R. China. 201203

### 1.3. Feature of Equipment Under Test

Product Feature	
Equipment	Tablet PC
Brand Name	ALCATEL
Model Name	ONE TOUCH P310A
Marketing Name	ALCATEL ONE TOUCH POP7
FCC ID	RAD451
IC	9238A-0027
EUT supports Radios application	GPRS/EGPRS/WCDMA/HSPA/HSPA+(Downlink Only)/WLAN 2.4GHz 802.11b/g/n HT20/HT40/Bluetooth v3.0 + EDR/Bluetooth v4.0
HW Version	V5.0
SW Version	1AAE
EUT Stage	Production Unit

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

### 1.4. Product Specification of Equipment Under Test

Product Specification subjective to this standard	
<b>Tx Frequency</b>	GSM850 : 824.2 MHz ~ 848.8 MHz GSM1900 : 1850.2 MHz ~ 1909.8MHz WCDMA Band V : 826.4 MHz ~ 846.6 MHz WCDMA Band II : 1852.4 MHz ~ 1907.6 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz
<b>Rx Frequency</b>	GSM850 : 869.2 MHz ~ 893.8 MHz GSM1900 : 1930.2 MHz ~ 1989.8 MHz WCDMA Band V : 871.4 MHz ~ 891.6 MHz WCDMA Band II : 1932.4 MHz ~ 1987.6 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz GPS : 1.57542 GHz
<b>Antenna Type</b>	WWAN : PIFA Antenna WLAN : PIFA Antenna Bluetooth : PIFA Antenna GPS: PIFA Antenna
<b>Type of Modulation</b>	GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA: QPSK (Uplink) HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink) HSPA+: 16QAM (Downlink Only) 802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth v4.0-LE : GFSK Bluetooth v3.0+EDR : GFSK, $\pi/4$ -DQPSK, 8-DPSK GPS : BPSK

### 1.5. Modification of EUT

No modifications are made to the EUT during all test items.

### 1.6. Test Site

<b>Test Site</b>	SPORTON INTERNATIONAL (SHENZHEN) INC.		
<b>Test Site Location</b>	No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P.R.C. TEL: +86-755- 3320-2398		
<b>Test Site No.</b>	<b>Sporton Site No.</b>		<b>FCC/IC Registration No.</b>
	CO01-SZ	03CH01-SZ	831040/4086F-1

### 1.7. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC 47 CFR FCC Part 15 Subpart B
- ♦ ANSI C63.4-2003
- ♦ IC ICES-003 Issue 5
- ♦ IC RSS-Gen Issue 3
- ♦ NOTICE 2012-DRS0126

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The test results for FCC compliance, indicating that these results are deemed satisfactory evidence of compliance with **Industry Canada Interference-Causing Equipment Standard ICES-003**.
3. Per the section 2.2.3 of Notice of 2012-DRS0126, “ Receivers Excluded from Industry Canada Requirements”, only radiocommunication receivers operating in stand-alone mode within the band 30-960 MHz and scanner receivers are subject to Industry Canada requirements.

## 2. Test Configuration of Equipment Under Test

### 2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2003 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

The following tables are showing the test modes as the worst cases and recorded in this report.

Item	EUT Configuration	Test Condition		
		EMI AC	EMI RE<1G	EMI RE≥1G
1.	Charging Mode (EUT with adapter)	☒	☒	☒
2.	Data application transferred mode (EUT connected with notebook)	☒	☒	☒

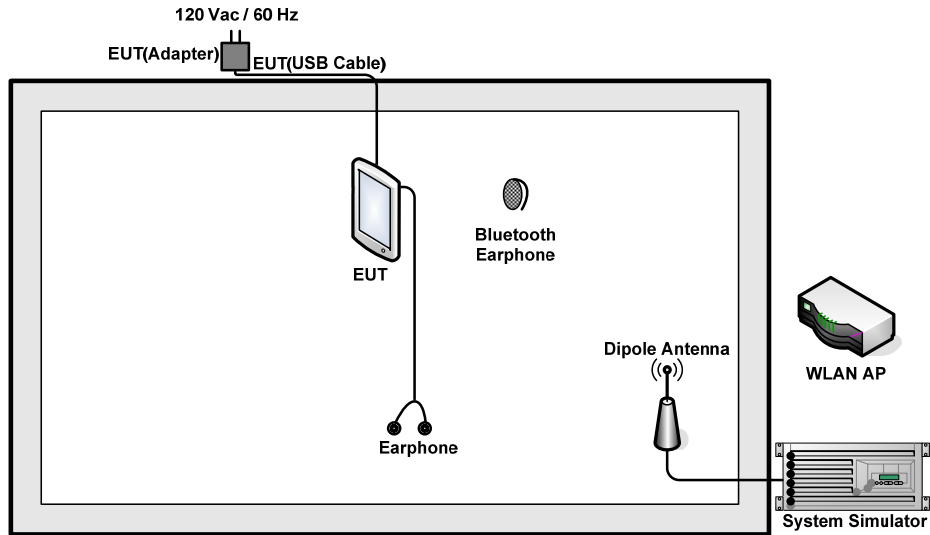
**Abbreviations:**

- EMI AC: AC conducted emissions
- EMI RE ≥ 1G: EUT radiated emissions ≥ 1GHz
- EMI RE < 1G: EUT radiated emissions < 1GHz

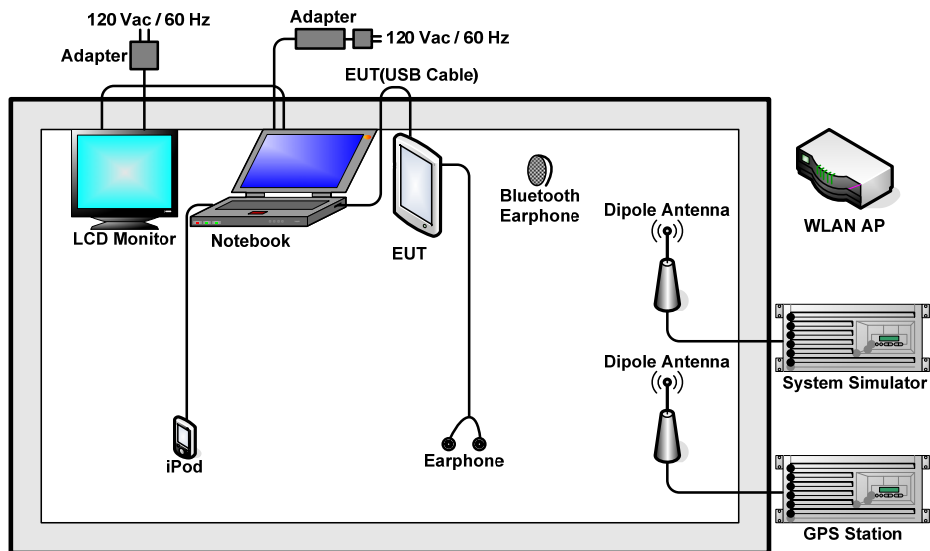


Test Items	EUT Configure Mode	Function Type
AC Conducted Emission	1/2	<p>Mode 1: GPRS850 Idle + USB Cable (Charging from Adapter) + Earphone + Bluetooth Idle + WLAN Idle + Battery 1 + Camera&lt;Fig.1&gt;</p> <p>Mode 2: GPRS1900 Idle + USB Cable (Charging from Adapter) + Earphone + Bluetooth Idle + WLAN Idle + Battery 2 + MPEG4&lt;Fig.1&gt;</p> <p>Mode 3: WCDMA Band V Idle + USB Cable (Data Link with Notebook) + Earphone + Bluetooth Idle + WLAN Idle + Battery 2 + GPS Rx&lt;Fig.2&gt;</p>
Radiated Emissions < 1GHz	1/2	<p>Mode 1: GPRS850 Idle + USB Cable (Charging from Adapter) + Earphone + Bluetooth Idle + WLAN Idle + Battery 1 + Camera&lt;Fig.1&gt;</p> <p>Mode 2: GPRS1900 Idle + USB Cable (Charging from Adapter) + Earphone + Bluetooth Idle + WLAN Idle + Battery 2 + MPEG4&lt;Fig.1&gt;</p> <p>Mode 3: WCDMA Band V Idle + USB Cable (Data Link with Notebook) + Earphone + Bluetooth Idle + WLAN Idle + Battery 1 + GPS Rx&lt;Fig.2&gt;</p>
Radiated Emissions ≥ 1GHz	1/2	<p>Mode 1: GPRS850 Idle + USB Cable (Charging from Adapter) + Earphone + Bluetooth Idle + WLAN Idle + Battery 1 + Camera&lt;Fig.1&gt;</p> <p>Mode 2: WCDMA Band V Idle + USB Cable (Data Link with Notebook) + Earphone + Bluetooth Idle + WLAN Idle + Battery 1 + GPS Rx&lt;Fig.2&gt;</p>
<p><b>Remark:</b></p> <ol style="list-style-type: none"> <li>1. The worst case of AC is mode 3; only the test data of this mode is reported.</li> <li>2. The worst case of RE &lt; 1G is mode 1, and the USB Link Mode of RE is mode 3, the test data of these modes are reported.</li> <li>3. Link with Notebook means data application transferred mode between EUT and Notebook.</li> </ol>		

## 2.2. Connection Diagram of Test System



<Fig.1>



<Fig.2>

### 2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	GPS Station	ADIVIC	MP9000	N/A	N/A	Unshielded, 1.8 m
3.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
4.	WLAN AP	D-Link	DIR-815	KA2DIR815A1	N/A	Unshielded, 1.8 m
5.	Bluetooth Earphone	Nokia	BH-108	PYAHS-107W	N/A	N/A
6.	Notebook	DELL	Vostro 1440	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
7.	LCD Monitor	DELL	IN1940MWb	FCC DoC	Shielded, 1.6 m	Unshielded, 1.8 m
8.	iPod	Apple	MC690ZP/A	FCC DoC	Unshielded, 1.2 m	N/A
9.	SD Card	SanDisk	4G class 4	FCC DoC	N/A	N/A
10.	Earphone	Lenovo	SH100	N/A	Unshielded, 1.2m	N/A

### 2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA idle mode during the testing. The EUT was synchronized to the BCCH, and was in continuous receiving mode by setting system simulator's paging reorganization.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT were programmed during the test.

1. Data application is transferred between Notebook and EUT via USB cable.
2. Turn on GPS function to make the EUT receive continuous signals from GPS station.
3. Execute "Video player" to play MPEG4 files.
4. Turn on camera to capture images.

### 3. Test Result

#### 3.1. Test of AC Conducted Emission Measurement

##### 3.1.1 Limits of AC Conducted Emission

For equipment 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.

Frequency of emission (MHz)	Conducted limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

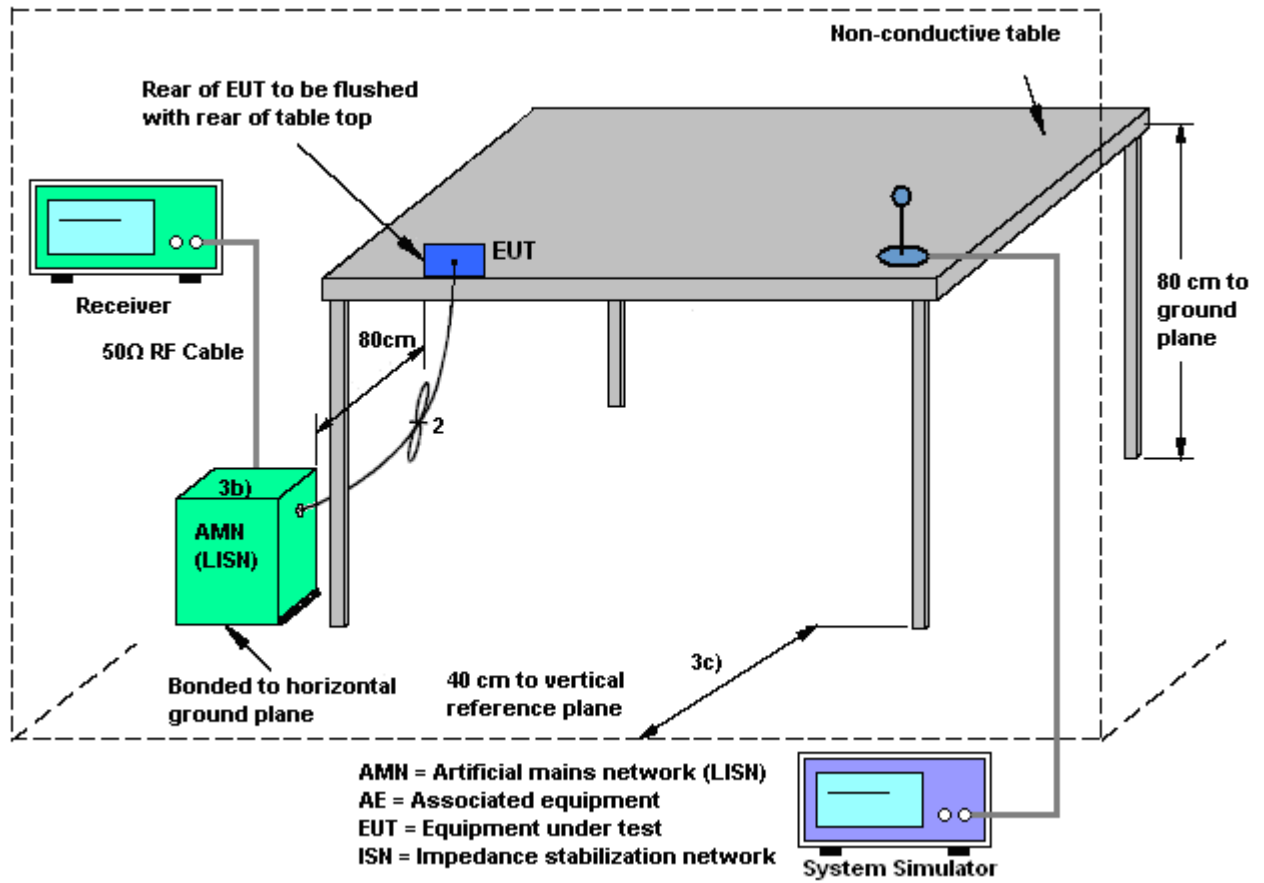
##### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

##### 3.1.3 Test Procedure

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

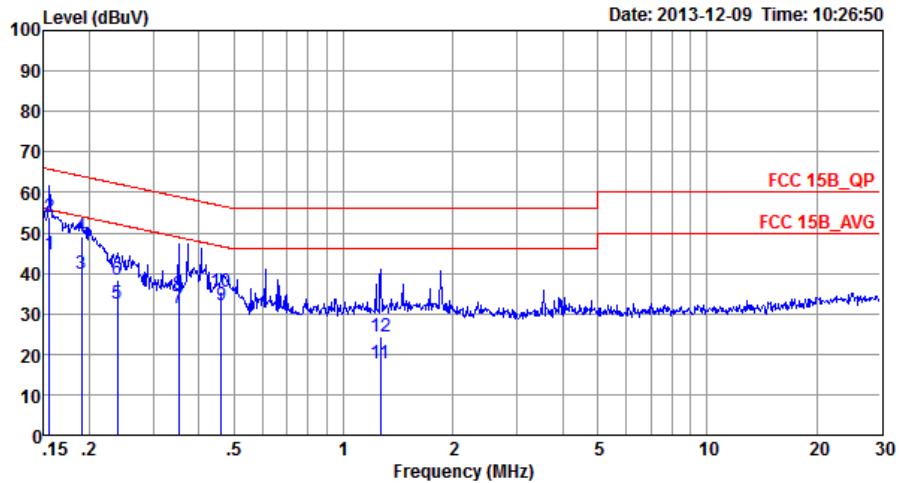
### 3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 3	Temperature :	24~25°C
Test Engineer :	Henry Chen	Relative Humidity :	45~46%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WCDMA Band V Idle + USB Cable (Data Link with Notebook) + Earphone + Bluetooth Idle + WLAN Idle + Battery 2 + GPS Rx		

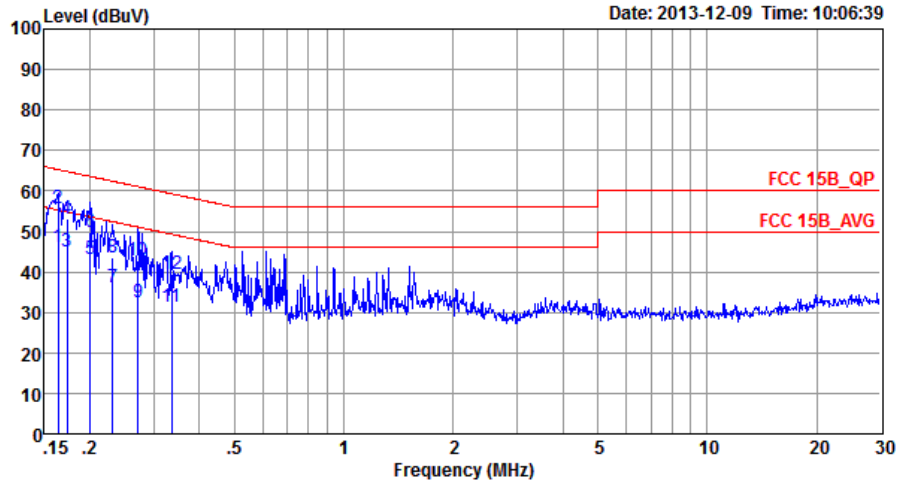


Site : C001-SZ  
 Condition: FCC 15B\_QP LISN\_L\_20130328 LINE  
 Project : (FC) 3N1401  
 Mode : Mode 3

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.16	44.81	-10.88	55.69	34.40	0.06	10.35	Average
2	0.16	53.81	-11.88	65.69	43.40	0.06	10.35	QP
3	0.19	39.75	-14.27	54.02	29.40	0.07	10.28	Average
4	0.19	49.05	-14.97	64.02	38.70	0.07	10.28	QP
5	0.24	32.51	-19.62	52.13	22.20	0.08	10.23	Average
6	0.24	38.51	-23.62	62.13	28.20	0.08	10.23	QP
7	0.35	31.29	-17.62	48.91	21.00	0.11	10.18	Average
8	0.35	34.59	-24.32	58.91	24.30	0.11	10.18	QP
9	0.46	31.99	-14.68	46.67	21.70	0.13	10.16	Average
10	0.46	35.39	-21.28	56.67	25.10	0.13	10.16	QP
11	1.26	17.67	-28.33	46.00	7.30	0.21	10.16	Average
12	1.26	24.47	-31.53	56.00	14.10	0.21	10.16	QP



Test Mode :	Mode 3	Temperature :	24~25°C
Test Engineer :	Henry Chen	Relative Humidity :	45~46%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WCDMA Band V Idle + USB Cable (Data Link with Notebook) + Earphone + Bluetooth Idle + WLAN Idle + Battery 2 + GPS Rx		



Site : CO01-SZ  
 Condition: FCC 15B\_QP LISN\_N\_20130328 NEUTRAL  
 Project : (FC)3N1401  
 Mode : Mode 3

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.16	45.97	-9.33	55.30	35.60	0.04	10.33	Average
2	0.16	55.87	-9.43	65.30	45.50	0.04	10.33	QP
3	0.17	44.85	-9.96	54.81	34.49	0.04	10.32	Average
4	0.17	53.15	-11.66	64.81	42.79	0.04	10.32	QP
5	0.20	43.31	-10.27	53.58	33.00	0.04	10.27	Average
6	0.20	49.91	-13.67	63.58	39.60	0.04	10.27	QP
7	0.23	36.28	-16.11	52.39	26.00	0.04	10.24	Average
8	0.23	43.38	-19.01	62.39	33.10	0.04	10.24	QP
9	0.27	32.45	-18.62	51.07	22.20	0.04	10.21	Average
10	0.27	42.95	-18.12	61.07	32.70	0.04	10.21	QP
11	0.34	31.53	-17.78	49.31	21.30	0.04	10.19	Average
12	0.34	39.43	-19.88	59.31	29.20	0.04	10.19	QP

## 3.2. Test of Radiated Emission Measurement

### 3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

### 3.2.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

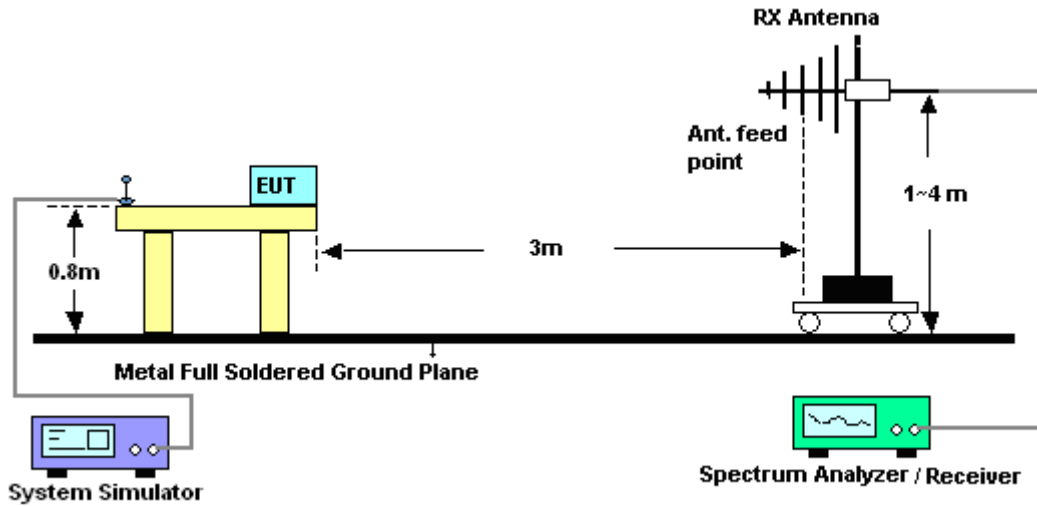
### 3.2.3. Test Procedures

1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
8. Emission level (dB $\mu$ V/m) = 20 log Emission level ( $\mu$ V/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

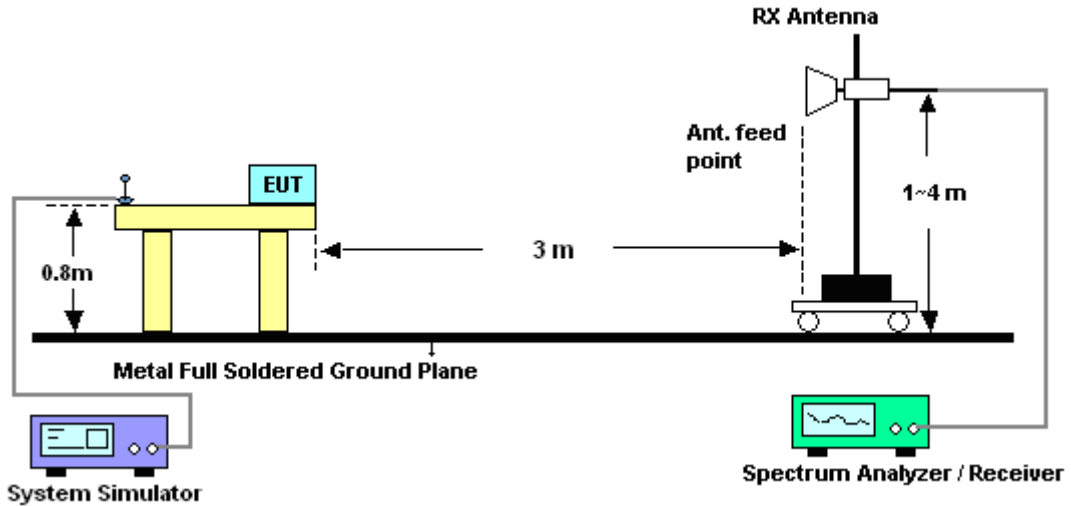


### 3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz

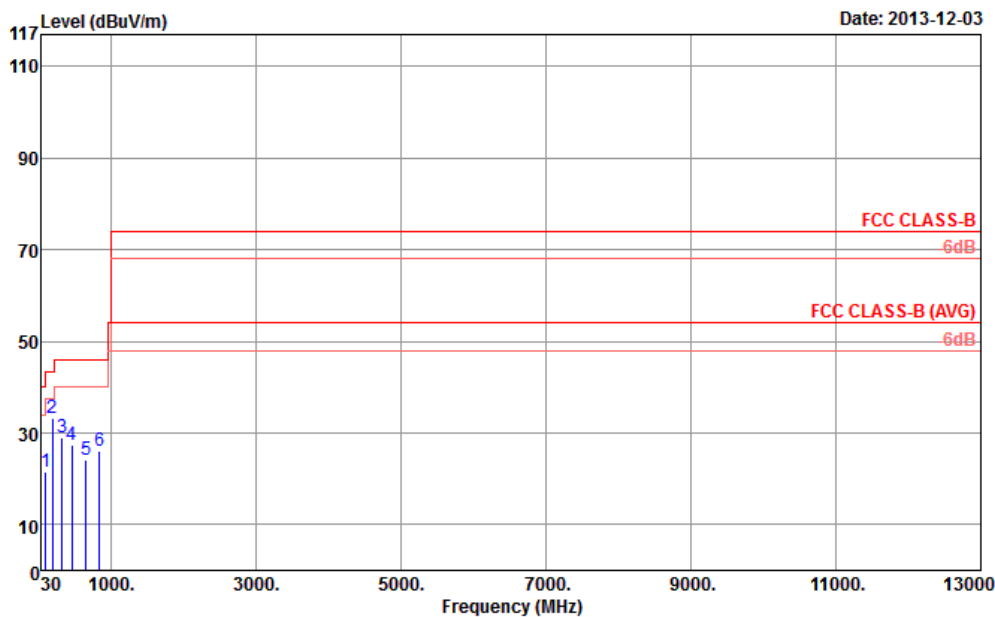


For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

Test Mode :	Mode 1	Temperature :	24~25°C
Test Engineer :	Leo Liao	Relative Humidity :	48~49%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	GPRS850 Idle + USB Cable (Charging from Adapter) + Earphone + Bluetooth Idle + WLAN Idle + Battery 1 + Camera		

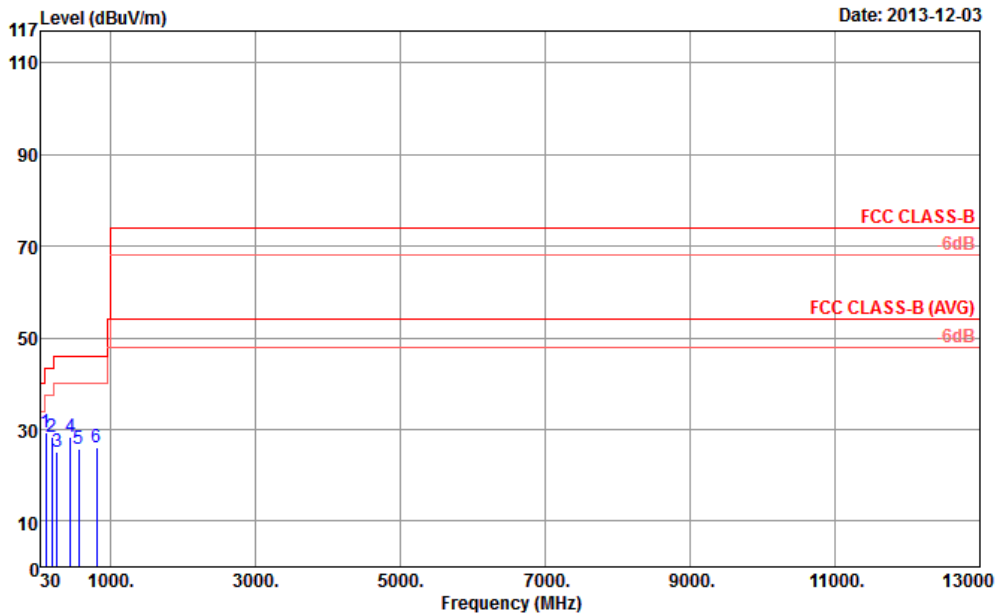


Site : 03CH01-SZ  
 Condition : FCC CLASS-B 3m LF\_ANT\_121103 HORIZONTAL  
 Project : (FC) 3N1401  
 Mode : Mode 1

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	99.84	21.44	-22.06	43.50	39.92	10.93	1.26	30.67	---	---	Peak
2 P	188.11	33.25	-10.25	43.50	52.53	9.45	1.64	30.37	200	0	Peak
3	325.85	29.13	-16.87	46.00	42.45	14.50	2.09	29.91	---	---	Peak
4	461.65	27.31	-18.69	46.00	37.50	16.84	2.43	29.46	---	---	Peak
5	655.65	23.99	-22.01	46.00	30.89	19.36	2.86	29.12	---	---	Peak
6	838.98	26.08	-19.92	46.00	30.83	20.90	3.23	28.88	---	---	Peak



Test Mode :	Mode 1	Temperature :	24~25°C
Test Engineer :	Leo Liao	Relative Humidity :	48~49%
Test Distance :	3m	Polarization :	Vertical
Function Type :	GPRS850 Idle + USB Cable (Charging from Adapter) + Earphone + Bluetooth Idle + WLAN Idle + Battery 1 + Camera		

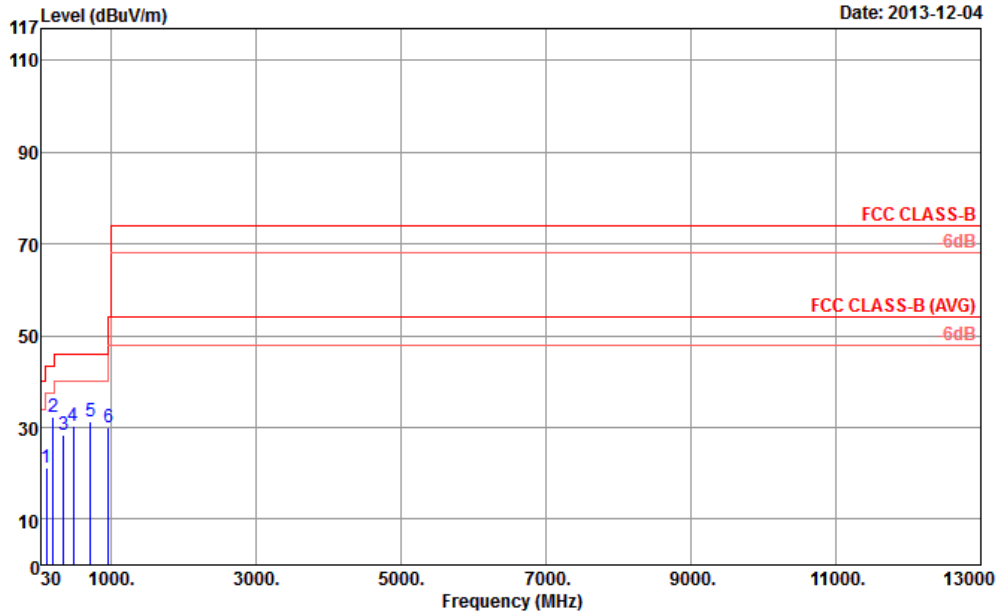


Site : 03CH01-SZ  
 Condition : FCC CLASS-B 3m LF\_ANT\_121103 VERTICAL  
 Project : (FC) 3N1401  
 Mode : Mode 1

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 P	104.69	29.22	-14.28	43.50	46.78	11.80	1.29	30.65	100	0	Peak
2	190.05	28.33	-15.17	43.50	47.15	9.90	1.65	30.37	---	---	Peak
3	261.83	24.99	-21.01	46.00	39.83	13.40	1.89	30.13	---	---	Peak
4	449.04	28.46	-17.54	46.00	38.65	16.90	2.41	29.50	---	---	Peak
5	558.65	25.84	-20.16	46.00	33.68	18.73	2.68	29.25	---	---	Peak
6	810.85	26.07	-19.93	46.00	30.70	21.10	3.19	28.92	---	---	Peak



Test Mode :	Mode 3	Temperature :	24~25°C
Test Engineer :	Leo Liao	Relative Humidity :	48~49%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	WCDMA Band V Idle + USB Cable (Data Link with Notebook) + Earphone + Bluetooth Idle + WLAN Idle + Battery 1 + GPS Rx		

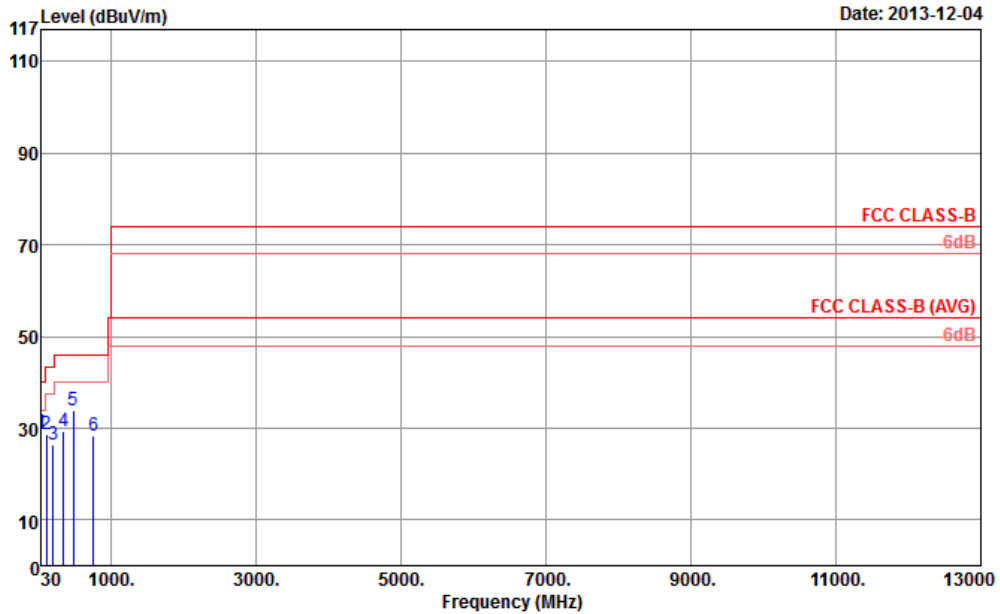


Site : 03CH01-SZ  
 Condition : FCC CLASS-B 3m LF\_ANT\_121103 HORIZONTAL  
 Project : (FC) 3N1401  
 Mode : Mode 3

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	105.66	21.23	-22.27	43.50	38.78	11.80	1.30	30.65	---	---	Peak
2 P	195.87	32.38	-11.12	43.50	51.85	9.20	1.68	30.35	145	214	Peak
3	345.25	28.30	-17.70	46.00	41.41	14.60	2.14	29.85	---	---	Peak
4	480.08	30.24	-15.76	46.00	39.96	17.20	2.48	29.40	---	---	Peak
5	720.64	31.36	-14.64	46.00	37.33	20.08	2.99	29.04	---	---	Peak
6	960.23	30.03	-23.97	54.00	33.52	21.80	3.43	28.72	---	---	Peak



Test Mode :	Mode 3	Temperature :	24~25°C
Test Engineer :	Leo Liao	Relative Humidity :	48~49%
Test Distance :	3m	Polarization :	Vertical
Function Type :	WCDMA Band V Idle + USB Cable (Data Link with Notebook) + Earphone + Bluetooth Idle + WLAN Idle + Battery 1 + GPS Rx		



Site : 03CH01-SZ  
 Condition : FCC CLASS-B 3m LF\_ANT\_121103 VERTICAL  
 Project : (FC) 3N1401  
 Mode : Mode 3

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 P	37.76	28.87	-11.13	40.00	48.09	10.50	0.83	30.55	152	321	Peak
2	104.69	28.67	-14.83	43.50	46.23	11.80	1.29	30.65	---	---	Peak
3	195.87	26.38	-17.12	43.50	45.85	9.20	1.68	30.35	---	---	Peak
4	345.25	29.28	-16.72	46.00	42.39	14.60	2.14	29.85	---	---	Peak
5	480.08	34.05	-11.95	46.00	43.77	17.20	2.48	29.40	---	---	Peak
6	758.47	28.49	-17.51	46.00	34.02	20.38	3.08	28.99	---	---	Peak

## 4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
ESCIO Test Receiver	R&S	ESCI	100724	9kHz~3GHz	Mar. 29, 2013	Dec. 09, 2013	Mar. 28, 2014	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103912	9kHz~30MHz	Mar. 28, 2013	Dec. 09, 2013	Mar. 27, 2014	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Mar. 28, 2013	Dec. 09, 2013	Mar. 27, 2014	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Dec. 20, 2012	Dec. 09, 2013	Dec. 19, 2013	Conduction (CO01-SZ)
Spectrum Analyzer	Agilent Technologies	N9038A	MY52260185	20Hz~26.5GHz	Apr. 04, 2013	Dec. 03, 2013~ Dec. 04, 2013	Apr. 03, 2014	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS Lindgren	3117	00119436	1GHz~18GHz	Oct. 26, 2013	Dec. 03, 2013~ Dec. 04, 2013	Oct. 25, 2014	Radiation (03CH01-SZ)
Bilog Antenna	SCHAFFNER	CBL6112B	2614	30MHz~2GHz	Dec. 26, 2012	Dec. 03, 2013~ Dec. 04, 2013	Dec. 25, 2013	Radiation (03CH01-SZ)
Amplifier	ADVANTEST	BB525C	E9007003	9kHz-3000MHz GAIN 30db	Mar. 28, 2013	Dec. 03, 2013~ Dec. 04, 2013	Mar. 27, 2014	Radiation (03CH01-SZ)
Amplifier	Yiai	AV3860B	04030	2GHz~26.5GHz	Mar. 28, 2013	Dec. 03, 2013~ Dec. 04, 2013	Mar. 27, 2014	Radiation (03CH01-SZ)
SHF-EHF-Horn	Schwarzbeck	BBHA9170	BBHA9170249	14GHz~40GHz	Dec. 23, 2012	Dec. 03, 2013~ Dec. 04, 2013	Dec. 22, 2013	Radiation (03CH01-SZ)
Turn Table	EM Electronics	EM 1000	N/A	0 ~ 360 degree	N/A	Dec. 03, 2013~ Dec. 04, 2013	N/A	Radiation (03CH01-SZ)
Antenna Mast	EM Electronics	EM 1000	N/A	1 m - 4 m	N/A	Dec. 03, 2013~ Dec. 04, 2013	N/A	Radiation (03CH01-SZ)

## 5. Uncertainty of Evaluation

### Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	2.26
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.90
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## **Appendix A. Photographs of EUT**