

Report No. : FC342211

FCC Test Report

APPLICANT : TCT Mobile Limited

EQUIPMENT : Tablet PC BRAND NAME : ALCATEL

MODEL NAME : ONE TOUCH EVO 7HD / ONE TOUCH E710

FCC ID : RAD381

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION: Certification

The product was received on Apr. 22, 2013 and completely tested on May 17, 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 the compliance 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:

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.

TEL: 86-755- 3320-2398 FCC ID: RAD381 Page Number : 1 of 21
Report Issued Date : Jun. 20, 2013

Report Version : Rev. 01



TABLE OF CONTENTS

RE	VISION F	HISTORY	3
SU	MMARY	OF TEST RESULT	4
		AL DESCRIPTION	
	1.2. M 1.3. F 1.4. P 1.5. T	Applicant Manufacturer Feature of Equipment Under Test Product Specification of Equipment Under Test Fest Site Applied Standards	5 6
2.	2.1. To 2.2. C 2.3. S	CONFIGURATION OF EQUIPMENT UNDER TEST Test Mode Connection Diagram of Test System Support Unit used in test configuration and system Test Software	9
	3.1. To 3.2. To	ESULT Test of AC Conducted Emission Measurement Test of Radiated Emission Measurement	12 16
4.	LIST OF	MEASURING EQUIPMENT	20
5.	UNCER	TAINTY OF EVALUATION	21
ΑP	PENDIX	A. PHOTOGRAPHS OF EUT	
	DENINIY	R SETUD PHOTOGRAPHS	

TEL: 86-755- 3320-2398 FCC ID: RAD381

Page Number : 2 of 21
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC342211	Rev. 01	Initial issue of report	Jun. 20, 2013

FCC ID: RAD381

Page Number : 3 of 21
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
					Under limit
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	6.54 dB at
					22.300 MHz
					Under limit
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	5.83 dB at
3.2	15.109	Radiated Effilssion	< 15.109 lillilits	FAGG	239.520 MHz for
					Quasi-Peak

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-3320-2398 FCC ID: RAD381 Page Number : 4 of 21
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01

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

Report No.: FC342211

1.2. Manufacturer

TCL COMMUNICATION TECHNOLOGY HOLDINGS LIMITED

70 Huifeng 4rd, ZhongKai Hi-tech Development District, Huizhou, Guangdong 516006 P.R.China (TCL Mobile Communication Co., LTD. Huizhou)

1.3. Feature of Equipment Under Test

	Product Feature
Equipment	Tablet PC
Brand Name	ALCATEL
Model Name	ONE TOUCH EVO 7HD / ONE TOUCH E710
FCC ID	RAD381
EUT supports Radios application	WLAN 11bgn / Bluetooth
HW Version	JUPITER_MAIN_V6.0
SW Version	UPDATA_111_104
EUT Stage	Production Unit

Remark:

- 1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
- 2. The model names (ONE TOUCH EVO 7HD, ONE TOUCH E710) are identical on hardware. The difference is only for market purpose.

 SPORTON INTERNATIONAL (SHENZHEN) INC.
 Page Number
 : 5 of 21

 TEL: 86-755- 3320-2398
 Report Issued Date
 : Jun. 20, 2013

 FCC ID: RAD381
 Report Version
 : Rev. 01



1.4. Product Specification of Equipment Under Test

Product Specification subjective to this standard						
Tx Frequency Range	802.11b/g/n: 2412 MHz ~ 2462 MHz					
	Bluetooth: 2402 MHz ~ 2480 MHz					
	802.11b/g/n: 2412 MHz ~ 2462 MHz					
Rx Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz					
	GPS: 1.57542 GHz					
Antonna Typo	WLAN: PIFA Antenna					
Antenna Type	Bluetooth: PIFA Antenna					
	802.11b: DSSS (DBPSK / DQPSK / CCK)					
	802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)					
Type of Modulation	Bluetooth BDR (1Mbps): GFSK					
Type of Modulation	Bluetooth EDR (2Mbps): π /4-DQPSK					
	Bluetooth EDR (3Mbps): 8-DPSK					
	GPS: BPSK					

Report No.: FC342211

1.5. Test Site

Test Site	SPORTON INTER	SPORTON INTERNATIONAL (SHENZHEN) INC.						
Test Site Location	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							
Test Site No.	Sporton	Site No.	FCC/IC Registration No.					
Test Site No.	CO01-SZ	03CH01-SZ	831040/4086F-1					

1.6. 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

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

SPORTON INTERNATIONAL (SHENZHEN) INC.Page Number: 6 of 21TEL: 86-755- 3320-2398Report Issued Date: Jun. 20, 2013FCC ID: RAD381Report Version: Rev. 01

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.

		Те	st Condition	on
Item	EUT Configuration	EMI	EMI	EMI
		AC	RE<1G	RE≥1G
1.	Charging Mode (EUT with adapter)			Note 1
2.	Data application transferred mode (EUT with PC)	\boxtimes	\boxtimes	\boxtimes

Abbreviations:

EMI AC: AC conducted emissions

EMI RE ≥ 1G: EUT radiated emissions ≥ 1GHz

EMI RE < 1G: EUT radiated emissions < 1GHz

Note 1: Testing for this mode is not required or not the worst case.

Remark: For signal above 1GHz, the worst case was test item 2.

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-3320-2398 FCC ID: RAD381 Page Number : 7 of 21
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01



Test Items	EUT Configure Mode	Function Type
		Mode 1: Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera <fig. 1=""></fig.>
AC Conducted Emission	1/2	Mode 2: Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + MPEG4 <fig. 1=""></fig.>
		Mode 3: Bluetooth Idle + WLAN Idle + USB Cable (Data Link with PC) + Earphone + GPS Rx <fig. 2=""></fig.>
		Mode 1: Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera <fig. 1=""></fig.>
Radiated Emissions < 1GHz	1/2	Mode 2: Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + MPEG4 <fig. 1=""></fig.>
		Mode 3: Bluetooth Idle + WLAN Idle + USB Cable (Data Link with PC) + Earphone + GPS Rx <fig. 2=""></fig.>
Radiated Emissions ≥ 1GHz	2	Mode 1: Bluetooth Idle + WLAN Idle + USB Cable (Data Link with PC) + Earphone + GPS Rx <fig. 2=""></fig.>

Remark:

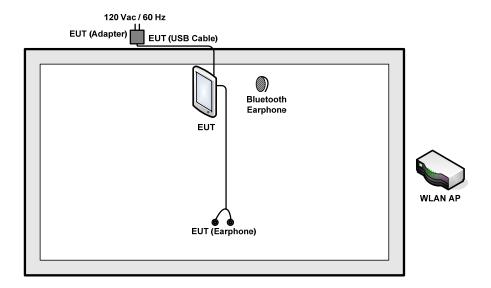
- The worst case of AC Conducted Emission is mode 3, and the USB link mode of AC Conducted Emission is also mode 3; so only the test data of this mode was reported.
- 2. The worst case of Radiated Emissions is mode 3, and the USB link mode of Radiated Emissions is also mode 3; so only the test data of this mode was reported.
- 3. Link with PC means data application transferred mode between EUT and PC.

TEL: 86-755- 3320-2398 FCC ID: RAD381 Page Number : 8 of 21
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01

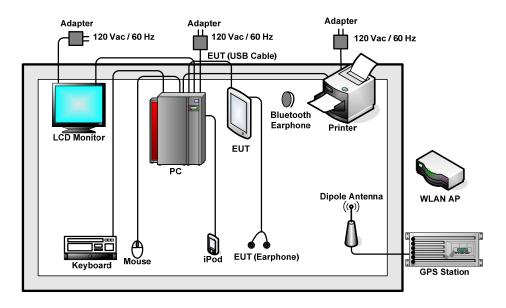


Report No.: FC342211

2.2. Connection Diagram of Test System



<Fig. 1>



<Fig. 2>

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755-3320-2398 FCC ID: RAD381

Page Number Report Issued Date: Jun. 20, 2013

Report Version : Rev. 01 2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	GPS Station	T&E	GS-50	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	Netcore	NW616	N/A	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Nokia	BH-108	QTLBH-106	N/A	N/A
4.	PC	DELL	OPTIPLEX390	FCC DoC	N/A	Unshielded, 1.8 m
5.	PC	DELL	MT320	FCC DoC	N/A	Unshielded, 1.8 m
6.	Monitor	DELL	IN194MWB	FCC DoC	Shielded, 1.2 m	Unshielded, 1.8 m
7.	Monitor	QBELL	LC99	FCC DoC	Shielded, 1.2 m	Unshielded, 1.8 m
8.	Mouse	DELL	MS111-L	FCC DoC	Shielded, 1.5 m	N/A
9.	Mouse	DELL	MO56UC	FCC DoC	Shielded, 1.8 m	N/A
10.	Keyboard	DELL	KB212-B	FCC DoC	Shielded, 1.5 m	N/A
11.	Keyboard	DELL	L100	FCC DoC	Shielded, 1.8 m	N/A
12.	Printer	Samsung	ML-1610	FCC DoC	Shielded, 1.8 m	Unshielded, 1.8 m
13.	iPod	Apple	MC525 ZP/A	FCC DoC	Shielded, 1.0 m	N/A
14.	iPod	Apple	A1199	FCC DoC	Shielded, 1.2 m	N/A

TEL: 86-755- 3320-2398 FCC ID: RAD381

Page Number : 10 of 21
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01

2.4. **Test Software**

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.

Report No.: FC342211

: 11 of 21

: Rev. 01

- 1. Execute the program, "Winthrax" under WIN7 installed in PC for files transfer with 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.

SPORTON INTERNATIONAL (SHENZHEN) INC. Page Number TEL: 86-755-3320-2398 Report Issued Date: Jun. 20, 2013 FCC ID: RAD381 Report Version

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	Conducted limit (dBuV)				
(MHz)	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

See list of measuring instruments 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.
- Both sides of AC line were checked for maximum conducted interference. 6.
- 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.

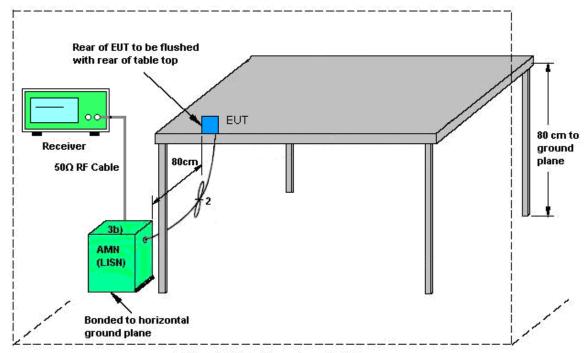
FCC ID: RAD381

Page Number : 12 of 21 Report Issued Date: Jun. 20, 2013 Report Version : Rev. 01



Report No.: FC342211

3.1.4 Test Setup



AMN = Artificial mains network (LISN)

AE = Associated equipment

EUT = Equipment under test

ISN = Impedance stabilization network

TEL: 86-755- 3320-2398 FCC ID: RAD381

Page Number : 13 of 21
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01



3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 3			Tem	peratur	е:	23~24	4 ℃				
Test Engineer :	Jerry Yi			Rela	tive Hu	midity:	54~56	54~56%				
Test Voltage :	120Vac /	60Hz		Phas	Phase: Line			,				
	Bluetooth Idle + WLAN Idle + USB Cable (Data Link with PC) + Earphone + G									+ GP		
Function Type :	Rx											
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.											
400	Level (dBuV)					Dat	e: 20 1 3-0	5- 1 5 Tir	ne: 1 9:	10:42		
90												
80												
70												
60	-							F(CC 15B	QP		
0000	-							FC	C 15B	AVG		
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30 20 10	15 .2			7,000		5	10)	20	30	ì	
30 20 10 0 Site	15 .2 : C001-S	.5	1	Frequ	2 ency (MHz)	5	10)	20	30)	
30 20 10 0 Site Conditi	15 .2 : CO01-S	.5 SZ SB_QP LI	1	Frequ	2 ency (MHz)	5	10		20	30)	
30 20 10 0 Site Conditi	15 .2 : C001-S	.5 SZ SB_QP_LI 342211	1	Frequ	2 ency (MHz)	5	10		20	30)	
30 20 10 0 Site Conditi Project	15 .2 : CO01-S on: FCC 15 : (FC) 3 : Mode 3	.5 82 8B_QP LI 842211	1 SN_L_2000	Freque	2 ency (MHz)	5)	Cable			30)	
30 20 10 0 Site Conditi Project	15 .2 : CO01-S on: FCC 15 : (FC) 3 : Mode 3	.5 82 8B_QP LI 842211	1 SN_L_2000	Freque	2 ency (MHz)	5	Cable			30)	
30 20 10 0 Site Conditi Project	15 .2 : CO01-S on: FCC 15 : (FC) 3 : Mode 3	.5 82 8B_QP LI 842211	1 SN_L_2000 Over Limit	Freque	2 ency (MHz)	5)	Cable			30)	
30 20 10 0 Site Conditi Project	15 .2 : COO1-S on: FCC 15 : (FC) 3 : Mode 3 Freq	.5 SZ SB_QP LI S42211 SHEWEL Level	1 SN_L_2000 Over Limit	Frequence of the first being the first being day.	2 ency (MHz) E Read Level dBuV	LISN Factor	Cable Loss	Rema	rk	30)	
30 20 10 0 Site Conditi Project Mode	15 .2 : COO1-S on: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.19 0.19	.5 32 38_QP LI 342211 3 Level dBuV 28.36 38.37	Over Limit dB -25.79 -25.78	Frequence of the following services of the f	2 ency (MHz) E Read Level dBuV 18.28 28.29	LISN Factor dB 0.03 0.03	Cable Loss dB 10.05 10.05	Rema Aver	rk age	36	ì	
30 20 10 0 Site Conditi Project Mode	15 .2 : COO1-S on: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.19 0.19 4.55	.5 32 38_QP LI 342211 3 Level dBuV 28.36 38.37 27.65	Over Limit dB -25.79 -25.78 -18.35	Frequence of the following states that the first states that the following states the following states that the following states	2 ency (MHz) E Read Level dBuV 18.28 28.29 17.40	LISN Factor dB 0.03 0.03 0.06	Cable Loss dB 10.05 10.05 10.05	Rema Aver QP Aver	rk age	30)	
30 20 10 0 Site Conditi Project Mode	15 .2 : CO01-S on: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.19 0.19 4.55 4.55	.5 6B_QP_LI 6B_QP_LI 642211 3 Level dBuV 28.36 38.37 27.65 39.01	Over Limit dB -25.79 -25.78 -18.35 -16.99	Frequence	2 ency (MHz) E Read Level dBuV 18.28 28.29 17.40 28.76	5) LISN Factor dB 0.03 0.03 0.06 0.06	Cable Loss dB 10.05 10.05 10.19 10.19	Rema Aver QP Aver	rk age age	30)	
30 20 10 0 Site Conditi Project Mode	15 .2 : CO01-8 on: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.19 0.19 4.55 4.55 6.91	.5 BB_QP LI B42211 B42211 CBuV 28.36 38.37 27.65 39.01 30.66	Over Limit dB -25.79 -25.78 -18.35 -16.99 -19.34	Frequence of the control of the cont	2 ency (MHz) E Read Level dBuV 18.28 28.29 17.40 28.76 20.36	LISN Factor dB 0.03 0.06 0.06 0.10	Cable Loss dB 10.05 10.05 10.19 10.19 10.20	Aver QP Aver QP Aver	rk age age	30)	
30 20 10 0 Site Conditi Project Mode	15 .2 : CO01-8 on: FCC 18 : (FC) 3 : Mode 3 Freq MHz 0.19 0.19 4.55 4.55 6.91 6.91	.5 SZ SB_QP LI 842211 B42211 B42211 38.36 38.37 27.65 39.01 30.66 41.30	Over Limit dB -25.79 -25.78 -18.35 -16.99 -19.34 -18.70	Frequence of the control of the cont	2 ency (MHz) E Read Level dBuV 18.28 28.29 17.40 28.76 20.36 31.00	LISN Factor dB 0.03 0.03 0.06 0.06 0.10 0.10	Cable Loss dB 10.05 10.05 10.19 10.19 10.20 10.20	Aver QP Aver QP Aver QP	rk age age	30		
30 20 10 0 Site Conditi Project Mode 1 2 3 4 5 6 7	15 .2 : CO01-8 on: FCC 18 : (FC) 3 : Mode 3 Freq MHz 0.19 0.19 4.55 4.55 6.91 6.91 15.80	.5 SZ SB_QP LI 342211 B42211 B42211 38.36 38.37 27.65 39.01 30.66 41.30 33.37	Over Limit dB -25.79 -25.78 -18.35 -16.99 -19.34 -18.70 -16.63	D601 LINE Limit Line dBuV 54.15 64.15 46.00 50.00 60.00 50.00	2 ency (MHz) E Read Level dBuV 18.28 28.29 17.40 28.76 20.36 31.00 22.65	LISN Factor dB 0.03 0.03 0.06 0.06 0.10 0.10 0.26	Cable Loss dB 10.05 10.05 10.19 10.19 10.20 10.20 10.46	Aver QP Aver QP Aver QP Aver	rk age age	30		
30 20 10 0 Site Conditi Project Mode	15 .2 : CO01-S on: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.19 0.19 4.55 4.55 6.91 6.91 15.80 15.80	.5 SZ SB_QP LI 342211 Level dBuV 28.36 38.37 27.65 39.66 41.30 33.37 42.12	Over Limit dB -25.79 -25.78 -18.35 -16.99 -19.34 -18.70	D601 LINE Limit Line dBuV 54.15 64.15 46.00 50.00 60.00 50.00 60.00	Read Level dBuV 18.28 28.29 17.40 28.76 20.36 31.00 22.65 31.40	LISN Factor dB 0.03 0.03 0.06 0.06 0.10 0.10 0.26 0.26	Cable Loss dB 10.05 10.05 10.19 10.19 10.20 10.20	Aver QP Aver QP Aver QP Aver QP	rk age age age	30		
30 20 10 0 Site Conditi Project Mode	15 .2 : CO01-3 on: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.19 0.19 4.55 4.55 6.91 6.91 15.80 15.80 22.42	.5 SZ SB_QP LI 42211 BuV 28.36 38.37 27.65 39.66 41.30 33.37 42.12 39.54	Over Limit dB -25.79 -25.78 -18.35 -16.69 -19.34 -18.70 -16.63 -17.88	Frequence of the control of the cont	2 ency (MHz) E Read Level dBuV 18.28 28.29 17.40 28.76 20.36 31.00 22.65 31.40 28.65	LISN Factor dB 0.03 0.03 0.06 0.06 0.10 0.10 0.26 0.26 0.43	Cable Loss dB 10.05 10.05 10.19 10.19 10.20 10.20 10.46 10.46	Aver QP Aver QP Aver QP Aver QP Aver	rk age age age age	30		
30 20 10 0 Site Conditi Project Mode 1 2 3 4 5 6 7 8 9 *	15 .2 : CO01-S on: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.19 0.19 4.55 4.55 6.91 6.91 15.80 15.80 22.42 22.42 25.32	Level dBuV 28.36 38.37 27.65 39.01 30.66 41.30 33.37 42.12 39.54 44.15 34.64	Over Limit dB -25.79 -25.78 -18.35 -16.99 -19.34 -18.70 -16.63 -17.88 -10.46	Frequence of the control of the cont	2 ency (MHz) E Read Level dBuV 18.28 28.29 17.40 28.76 20.36 31.00 22.65 31.40 28.65 33.26 23.69	LISN Factor dB 0.03 0.03 0.06 0.06 0.10 0.10 0.26 0.26 0.43 0.43 0.53	Cable Loss dB 10.05 10.05 10.19 10.19 10.20 10.46 10.46 10.46 10.46	Aver QP Aver QP Aver QP Aver QP Aver QP Aver	rk age age age age	30		

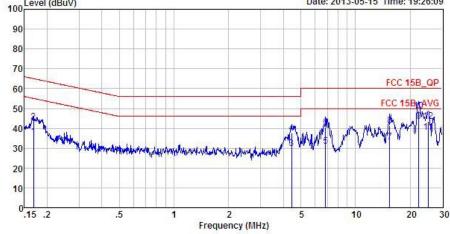
TEL: 86-755- 3320-2398 FCC ID: RAD381

Page Number : 14 of 21
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01



23~24℃ Test Mode: Mode 3 Temperature : 54~56% Test Engineer: Jerry Yi Relative Humidity: Phase: Test Voltage : 120Vac / 60Hz Neutral Bluetooth Idle + WLAN Idle + USB Cable (Data Link with PC) + Earphone + GPS Function Type: Rx Remark: All emissions not reported here are more than 10 dB below the prescribed limit.

Date: 2013-05-15 Time: 19:26:09



Site : CO01-SZ

Condition: FCC 15B QP LISN N 2000601 NEUTRAL

Project : (FC) 342211

Mode : Mode 3

		Freq	Level	Over	Limit Line	Read Level	LISN	Loss	Remark
	-	MHz	dBu∀	dB	dBuV	dBuV	dB	dB	-
1		0.17	35.77	-19.26	55.03	25.70	0.02	10.05	Average
2		0.17	43.26	-21.77	65.03	33.19	0.02	10.05	QP
2 3 4 5		4.45	29.91	-16.09	46.00	19.65	0.07	10.19	Average
4		4.45	37.64	-18.36	56.00	27.38	0.07	10.19	QP
5		6.84	31.01	-18.99	50.00	20.69	0.12	10.20	Average
6		6.84	40.69	-19.31	60.00	30.37	0.12	10.20	QP
7		15.47	33.05	-16.95	50.00	22.24	0.36	10.45	Average
8 9		15.47	41.35	-18.65	60.00	30.54	0.36	10.45	QP
9	*	22.30	43.46	-6.54	50.00	32.37	0.63	10.46	Average
10		22.30	48.66	-11.34	60.00	37.57	0.63	10.46	QP
11		25.19	37.92	-12.08	50.00	26.69	0.81	10.42	Average
12		25.19	43.54	-16.46	60.00	32.31	0.81	10.42	QP

TEL: 86-755- 3320-2398 FCC ID: RAD381

Page Number : 15 of 21
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01

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:

Report No.: FC342211

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

See list of measuring instruments 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.
- 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 (dBuV/m) = 20 log Emission level (uV/m)
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor= Level

 SPORTON INTERNATIONAL (SHENZHEN) INC.
 Page Number
 : 16 of 21

 TEL: 86-755- 3320-2398
 Report Issued Date
 : Jun. 20, 2013

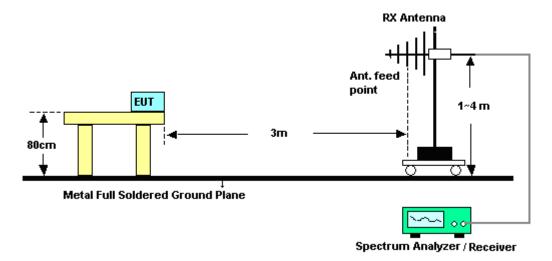
 FCC ID: RAD381
 Report Version
 : Rev. 01



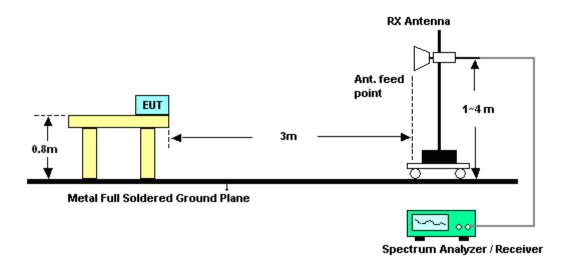
Report No.: FC342211

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

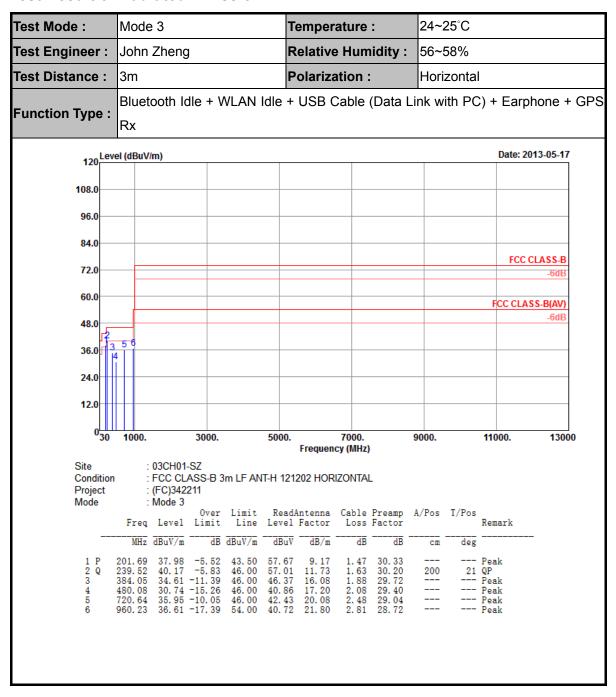


TEL: 86-755-3320-2398 FCC ID: RAD381

Page Number : 17 of 21 Report Issued Date: Jun. 20, 2013 : Rev. 01 Report Version



3.2.5. Test Result of Radiated Emission



TEL: 86-755- 3320-2398 FCC ID: RAD381 Page Number : 18 of 21
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01



24~25°C Test Mode: Mode 3 Temperature: **Relative Humidity:** 56~58% Test Engineer: John Zheng Polarization: Test Distance: 3m Vertical Bluetooth Idle + WLAN Idle + USB Cable (Data Link with PC) + Earphone + GPS Function Type: Rx 120 Level (dBuV/m) Date: 2013-05-17 108.0 96.0 84.0 FCC CLASS-B 72.0 60.0 FCC CLASS-B(AV) 48.0 36.0 24.0 12.0 0<mark>111</mark> 1000. 3000. 11000. 13000 5000. Frequency (MHz) Site : 03CH01-SZ Condition : FCC CLASS-B 3m LF ANT-V 121202 VERTICAL Project : (FC)342211 Mode : Mode 3 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos
Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV − dB/m deg cm 33. 47 -10. 03 43. 50 32. 98 -10. 52 43. 50 35. 17 -10. 83 46. 00 32. 84 -13. 16 46. 00 39. 49 -6. 51 46. 00 37. 92 -16. 08 54. 00 51. 00 11. 93 52. 71 9. 20 52. 01 11. 73 46. 28 14. 60 45. 97 20. 08 42. 03 21. 80 1.18 --- Peak 106, 63 1. 42 1. 63 1. 81 2. 48 2. 81 --- Peak 210 QP --- Peak --- Peak 2 3 Q 195. 87 239. 52 30. 35 30. 20 200 5 P --- Peak

TEL: 86-755- 3320-2398 FCC ID: RAD381 Page Number : 19 of 21
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01



4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
ESCIO TEST Receiver	R&S	1142.8007. 03	100724	9kHz~3GHz	Mar. 28, 2013	May 15, 2013	Mar. 27, 2014	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103912	9kHz~30MHz	Mar. 28, 2013	May 15, 2013	Mar. 27, 2014	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103892	9kHz~30MHz	Mar. 28, 2013	May 15, 2013	Mar. 27, 2014	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	N/A	Nov. 20, 2012	May 15, 2013	Nov. 19, 2013	Conduction (CO01-SZ)
AC Filter	ETS-LINDGREN	LRE-2030/P EN 256260	00093783	N/A	N/A	May 15, 2013	N/A	Conduction (CO01-SZ)
AC Filter	ETS-LINDGREN	LRE-2030/P EN 256260	00097973	N/A	N/A	May 15, 2013	N/A	Conduction (CO01-SZ)
ESCI TEST Receiver	R&S	ESCI	100724	9kHz~3GHz	Mar. 28, 2013	May 17, 2013	Mar. 27, 2014	Radiation (03CH01-SZ)
Spectrum Analyzer	R&S	FSP30	101362	9kHz~30GHz	Oct. 11, 2012	May 17, 2013	Oct. 10, 2013	Radiation (03CH01-SZ)
Double Ridge Horn Amtenna	ETS Lindgren	3117	00119436	1GHz~18GHz	Oct. 12, 2012	May 17, 2013	Oct. 11, 2013	Radiation (03CH01-SZ)
Bilog Antenna	SCHAFFNER	CBL6112B	2614	30MHz~2GHz	Nov. 03, 2012	May 17, 2013	Nov. 02, 2013	Radiation (03CH01-SZ)
Amplifier	ADVANTEST	BB525C	E9007003	9kHz~3GHz Gain 30dB	Mar. 28, 2013	May 17, 2013	Mar. 27, 2014	Radiation (03CH01-SZ)
Amplifier	Yiai	AV3860B	04030	2GHz~26.5GHz	Mar. 28, 2013	May 17, 2013	Mar. 27, 2014	Radiation (03CH01-SZ)
SHF-EHF-Horn	Schwarzbeck	BBHA9170	BBHA9170249	14GHz~40GHz	Nov. 23, 2012	May 17, 2013	Nov. 22, 2013	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100321	9KHz~30MHz	Oct. 22, 2012	May 17, 2013	Oct. 21, 2013	Radiation (03CH01-SZ)

SPORTON INTERNATIONAL (SHENZHEN) INC. TEL: 86-755-3320-2398

FCC ID: RAD381

Page Number : 20 of 21
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01



FCC Test Report

5. Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of	0.00
Confidence of 95% (U = 2Uc(y))	2.26

Report No.: FC342211

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.54
Confidence of 35% (0 = 200(y))	

Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of	
Confidence of 95%	4.72
(U = 2Uc(y))	

SPORTON INTERNATIONAL (SHENZHEN) INC.Page Number: 21 of 21TEL: 86-755- 3320-2398Report Issued Date: Jun. 20, 2013FCC ID: RAD381Report Version: Rev. 01

Appendix A. Photographs of EUT

Please refer to Sporton report number EP342211 as below.

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755- 3320-2398 FCC ID: RAD381

Page Number : A1 of A1
Report Issued Date : Jun. 20, 2013
Report Version : Rev. 01