

FCC Test Report

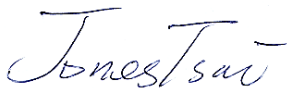
APPLICANT : TCL Communication Ltd.
EQUIPMENT : Tablet PC
BRAND NAME : alcatel
MODEL NAME : 8085
MARKETING NAME : PLUS 10" WiFi Windows
FCC ID : 2ACCJB056
STANDARD : FCC 47 CFR FCC Part 15 Subpart B
CLASSIFICATION : Certification

The product was received on Mar. 17, 2016 and testing was completed on May 09, 2016. We, SPORTON INTERNATIONAL (SHENZHEN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in 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.



Prepared by: Ken Chen / Manager



Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL (SHENZHEN) INC.

**1F & 2F, Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town,
Nanshan District, Shenzhen, Guangdong, P. R. China**



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC631706	Rev. 01	Initial issue of report	May 17, 2016

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	Under limit 5.97 dB at 3.360 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 0.92 dB at 479.900 MHz for Quasi-Peak

1. General Description

1.1. Applicant

TCL Communication Ltd.

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

1.2. Manufacturer

TCL Communication Ltd.

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

1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	Tablet PC
Brand Name	alcatel
Model Name	8085
Marketing Name	PLUS 10" WiFi Windows
FCC ID	2ACCJB056
EUT supports Radios application	WLAN2.4GHz 802.11b/g/n HT20/HT40/ Bluetooth v3.0 + EDR/Bluetooth v4.0 LE
HW Version	V3.0
SW Version	V1.0
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

Standards-related Product Specification	
Tx Frequency	802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz
Rx Frequency	802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz
Antenna Type	WLAN : IFA Antenna Bluetooth : IFA Antenna
Type of Modulation	802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth LE : GFSK Bluetooth (1Mbps) : GFSK Bluetooth (2Mbps) : $\pi/4$ -DQPSK Bluetooth (3Mbps) : 8-DPSK

1.5. Modification of EUT

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

1.6 Specification of Accessory

Specification of Accessory				
AC Adapter	Brand Name	ALCATEL ONETOUCH	Model Name	UC13US
	Power Rating	I/P: 100 - 240 Vac, 400mA, O/P: 5 Vdc, 2000 mA		
	P/N	CBA0059AG0C2		
Battery 1	Brand Name	alcatel	Model Name	TLp058A2
	Power Rating	3.85 Vdc, 5830 mAh		
Battery 2	Brand Name	alcatel	Model Name	TLp058AC
	Power Rating	3.8 Vdc, 5830 mAh		
USB Cable 1	Brand Name	NA	Model Name	NA
	Signal Line Type	0.8meter, non-shielded cable, with w/o ferrite core		
USB Cable 2	Brand Name	NA	Model Name	NA
	Signal Line Type	0.8meter, non-shielded cable, with w/o ferrite core		
Earphone 1	Brand Name	NA	Model Name	NA
	Signal Line Type	1.5meter, non-shielded cable, with w/o ferrite core		
Earphone 2	Brand Name	NA	Model Name	NA
	Signal Line Type	1.5meter, non-shielded cable, with w/o ferrite core		
keyboard	Brand Name	alcatel	Model Name	KB8085

1.7 Test Location

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.	
Test Site Location	1F & 2F,Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town, Nanshan District, Shenzhen, Guangdong, P. R. China TEL: +86-755-8637-9589 FAX: +86-755-8637-9595	
Test Site No.	Sporton Site No.	
	CO01-SZ	

Test Site	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. China TEL: +86-755- 3320-2398	
Test Site No.	Sporton Site No.	FCC Registration No.
	03CH02-SZ	566869

Note: The test site complies with ANSI C63.4 2014 requirement.

1.8 Applicable 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 C63.4-2014

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 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)	☒	☒	Note 1
2.	Data application transferred mode (EUT connected with U Disk)	☒	☒	☒

Abbreviations:

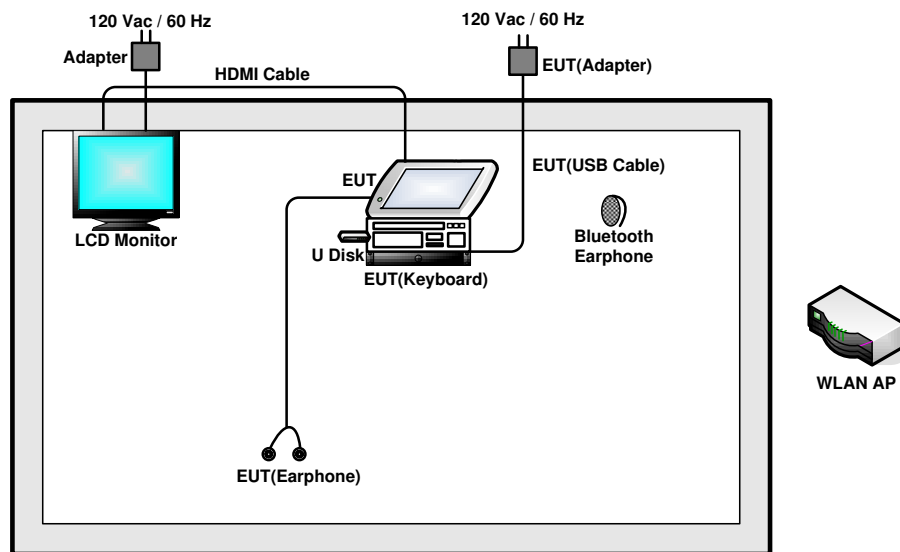
- EMI AC: AC conducted emissions
- EMI RE ≥ 1G: EUT radiated emissions ≥ 1GHz
- EMI RE < 1G: EUT radiated emissions < 1GHz

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

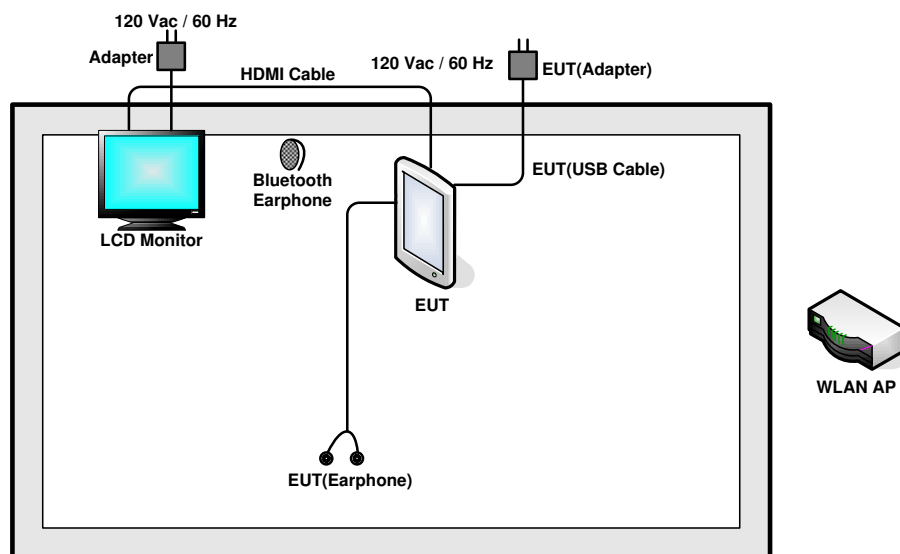
Remark: For signal above 1GHz, the worst case was test item 2.

Test Items	EUT Configure Mode	Function Type
AC Conducted Emission	1/2	Mode 1 : WLAN Idle + Bluetooth Idle + Keyboard + USB Cable 1(Charging from Adapter) + Camera(Front) + Earphone 1 + Battery 1 + SD Card + U Disk + HDMI Cable <Fig. 1> Mode 2 : WLAN Idle + Bluetooth Idle + Keyboard + USB Cable 2(Charging from Adapter) + Camera(Back) + Earphone 2 + Battery 2 + SD Card + U Disk + HDMI Cable <Fig. 1> Mode 3 : WLAN Idle + Bluetooth Idle + Keyboard + USB Cable 1(Charging from Adapter) + MPEG4 + Earphone 1 + Battery 1 + SD Card + U Disk + HDMI Cable <Fig. 1> Mode 4 : WLAN Idle + Bluetooth Idle + USB Cable 1(Charging from Adapter) + Camera(Front) + Earphone 1 + HDMI Cable + SD Card + Battery 1 <Fig. 2>
Radiated Emissions < 1GHz	1/2	Mode 1 : WLAN Idle + Bluetooth Idle + Keyboard + USB Cable 1(Charging from Adapter) + Camera(Front) + Earphone 1 + Battery 1 + SD Card + U Disk + HDMI Cable <Fig. 1> Mode 2 : WLAN Idle + Bluetooth Idle + Keyboard + USB Cable 2(Charging from Adapter) + Camera(Back) + Earphone 2 + Battery 2 + SD Card + U Disk + HDMI Cable <Fig. 1> Mode 3 : WLAN Idle + Bluetooth Idle + Keyboard + USB Cable 1(Charging from Adapter) + MPEG4 + Earphone 1 + Battery 1 + SD Card + U Disk + HDMI Cable <Fig. 1> Mode 4 : WLAN Idle + Bluetooth Idle + USB Cable 1(Charging from Adapter) + Camera(Front) + Earphone 1 + HDMI Cable + SD Card + Battery 1 <Fig. 2>
Radiated Emissions ≥ 1GHz	2	Mode 1 : WLAN Idle + Bluetooth Idle + Keyboard + USB Cable 1(Charging from Adapter) + Camera(Front) + Earphone 1 + Battery 1 + SD Card + U Disk + HDMI Cable <Fig. 1>
Remark: - The worst case of AC is mode 1; only the test data of this mode was reported. - The worst case of RE < 1G is mode 1; only the test data of this mode was reported. - U Disk/SD Card means data application transferred mode between EUT and U Disk/SD Card. - HDMI Cable means media application transferred between EUT and external display.		

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.	WLAN AP	ASUSTek	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 2.7 m with Core
2.	Bluetooth Earphone	Samsung	HS3000	A3LHS3000	N/A	N/A
3.	Bluetooth Earphone	Nokia	BH-108	PYAHS-107W	N/A	N/A
4.	LCD Monitor	Dell	P2715QT	FCC DoC	N/A	Unshielded, 1.8 m
5.	HDMI Cable	COPARTNER	AWM-20276	N/A	Shielded, 1.2 m	N/A
6.	HDMI Cable	CTI	VW-1	N/A	Shielded, 1.0 m	N/A
7.	SD Card	SanDisk	4G class 4	FCC DoC	N/A	N/A
8.	U Disk	Sony	USM16SA1	D33021	N/A	N/A

2.4 EUT Operation Test Setup

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 U Disk/SD Card and EUT.
2. Execute "Video player" to play MPEG4 files.
3. Turn on camera to capture images.
4. Link with LCD Monitor via HDMI Cable

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.

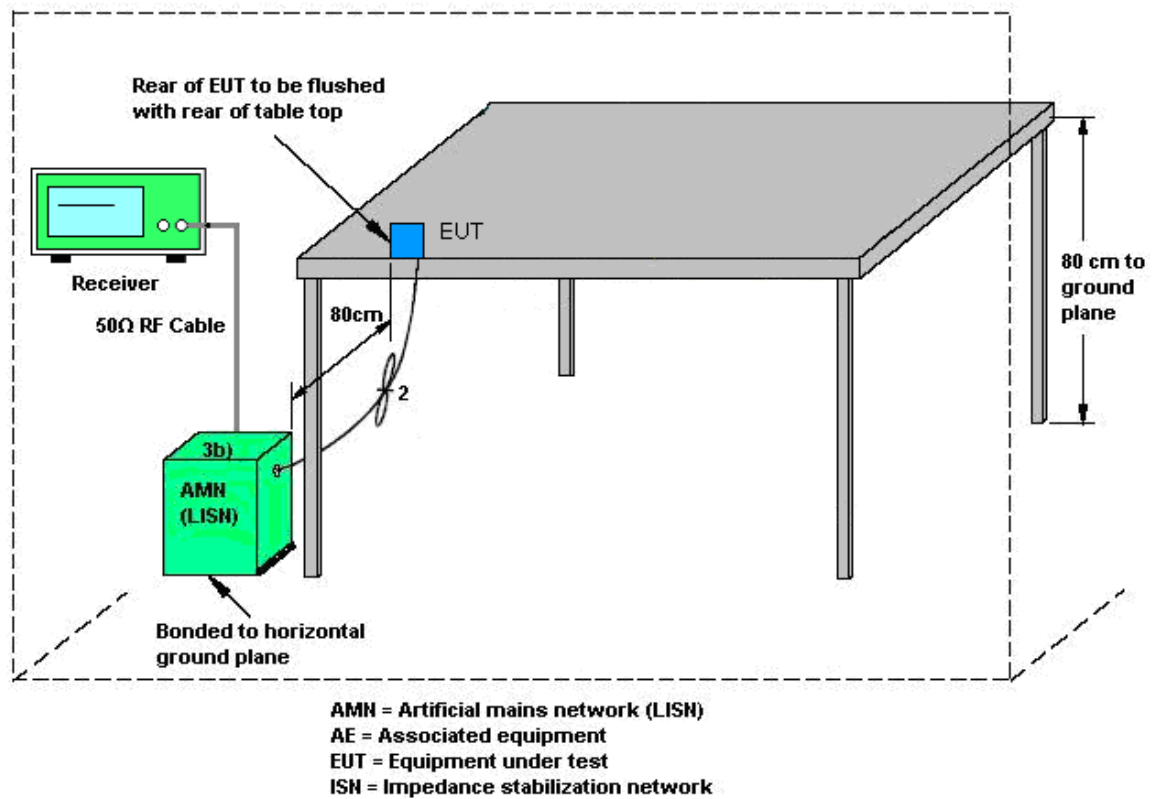
3.1.2 Measuring Instruments

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

3.1.3 Test Procedure

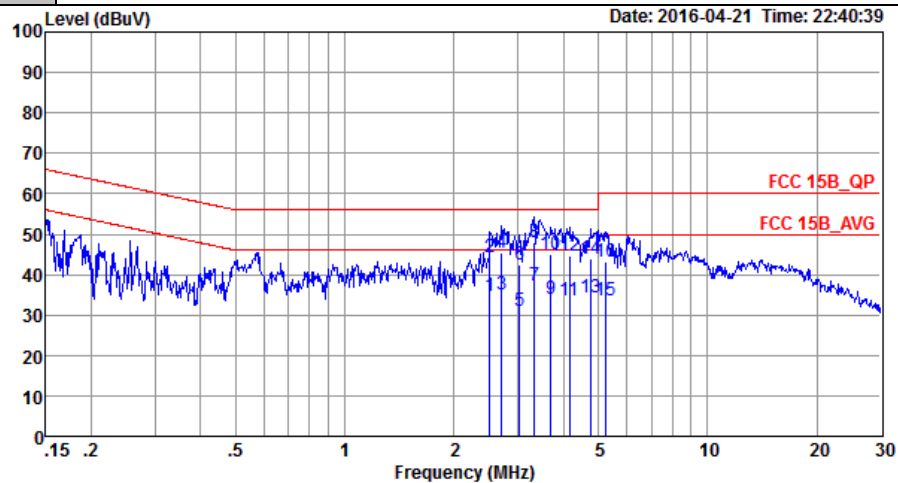
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
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 (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

3.1.4 Test Setup



3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	21~23℃
Test Engineer :	Tao Cheng	Relative Humidity :	41~43%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WLAN Idle + Bluetooth Idle + Keyboard + USB Cable 1(Charging from Adapter) + Camera(Front) + Earphone 1 + Battery 1 + SD Card + U Disk + HDMI Cable		

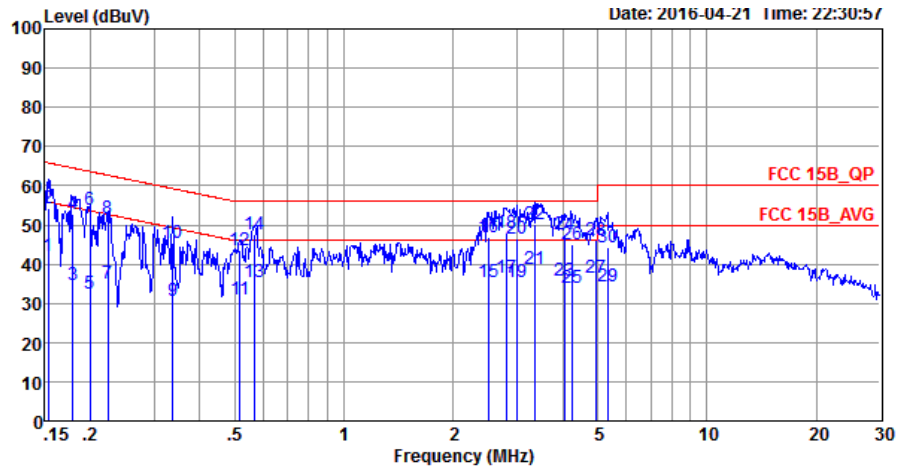


Site : C001-SZ
Condition: FCC 15B_QP LISN_L_20160415 LINE
Project : (FC) 631706
Mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	2.51	34.51	-11.49	46.00	23.80	0.51	10.20	Average
2	2.51	44.21	-11.79	56.00	33.50	0.51	10.20	QP
3	2.71	35.13	-10.87	46.00	24.40	0.52	10.21	Average
4	2.71	45.43	-10.57	56.00	34.70	0.52	10.21	QP
5	3.03	31.16	-14.84	46.00	20.40	0.55	10.21	Average
6	3.03	42.56	-13.44	56.00	31.80	0.55	10.21	QP
7	3.33	37.09	-8.91	46.00	26.30	0.57	10.22	Average
8 *	3.33	47.79	-8.21	56.00	37.00	0.57	10.22	QP
9	3.70	33.92	-12.08	46.00	23.11	0.59	10.22	Average
10	3.70	45.02	-10.98	56.00	34.21	0.59	10.22	QP
11	4.16	33.64	-12.36	46.00	22.80	0.61	10.23	Average
12	4.16	44.64	-11.36	56.00	33.80	0.61	10.23	QP
13	4.75	34.47	-11.53	46.00	23.60	0.63	10.24	Average
14	4.75	44.07	-11.93	56.00	33.20	0.63	10.24	QP
15	5.25	33.49	-16.51	50.00	22.60	0.64	10.25	Average
16	5.25	43.19	-16.81	60.00	32.30	0.64	10.25	QP



Test Mode :	Mode 1	Temperature :	21~23℃
Test Engineer :	Tao Cheng	Relative Humidity :	41~43%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN Idle + Bluetooth Idle + Keyboard + USB Cable 1(Charging from Adapter) + Camera(Front) + Earphone 1 + Battery 1 + SD Card + U Disk + HDMI Cable		



Site : CO01-SZ
Condition: FCC 15B_QP LISN_N_20160415 NEUTRAL
Project : (FC)631706
Mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.15	41.91	-13.91	55.82	31.10	0.45	10.36	Average
2	0.15	54.41	-11.41	65.82	43.60	0.45	10.36	QP
3	0.18	34.51	-20.04	54.55	23.70	0.49	10.32	Average
4	0.18	52.61	-11.94	64.55	41.80	0.49	10.32	QP
5	0.20	32.60	-21.02	53.62	21.80	0.51	10.29	Average
6	0.20	53.90	-9.72	63.62	43.10	0.51	10.29	QP
7	0.22	35.20	-17.50	52.70	24.40	0.53	10.27	Average
8	0.22	51.60	-11.10	62.70	40.80	0.53	10.27	QP
9	0.34	30.56	-18.71	49.27	19.80	0.57	10.19	Average
10	0.34	45.36	-13.91	59.27	34.60	0.57	10.19	QP
11	0.52	31.06	-14.94	46.00	20.30	0.60	10.16	Average
12	0.52	43.46	-12.54	56.00	32.70	0.60	10.16	QP
13	0.57	35.34	-10.66	46.00	24.60	0.59	10.15	Average
14	0.57	47.54	-8.46	56.00	36.80	0.59	10.15	QP
15	2.50	35.49	-10.51	46.00	24.70	0.59	10.20	Average
16	2.50	46.79	-9.21	56.00	36.00	0.59	10.20	QP
17	2.79	36.71	-9.29	46.00	25.90	0.60	10.21	Average
18	2.79	48.11	-7.89	56.00	37.30	0.60	10.21	QP
19	2.99	35.32	-10.68	46.00	24.51	0.60	10.21	Average
20	2.99	46.32	-9.68	56.00	35.51	0.60	10.21	QP
21	3.36	38.73	-7.27	46.00	27.90	0.61	10.22	Average
22 *	3.36	50.03	-5.97	56.00	39.20	0.61	10.22	QP
23	4.05	35.96	-10.04	46.00	25.10	0.63	10.23	Average
24	4.05	47.66	-8.34	56.00	36.80	0.63	10.23	QP
25	4.27	33.77	-12.23	46.00	22.90	0.64	10.23	Average
26	4.27	45.07	-10.93	56.00	34.20	0.64	10.23	QP
27	4.93	36.49	-9.51	46.00	25.60	0.65	10.24	Average
28	4.93	46.29	-9.71	56.00	35.40	0.65	10.24	QP
29	5.33	34.21	-15.79	50.00	23.30	0.66	10.25	Average
30	5.33	44.41	-15.59	60.00	33.50	0.66	10.25	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

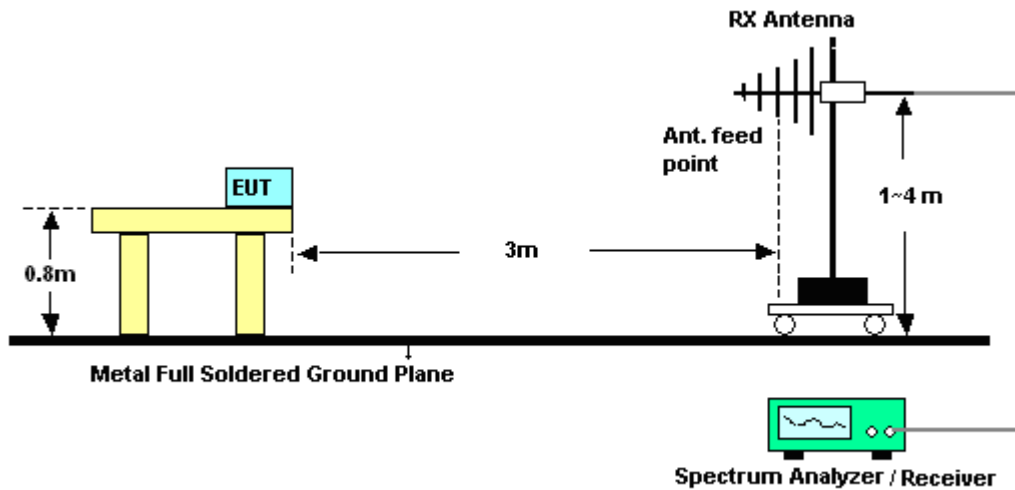
The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

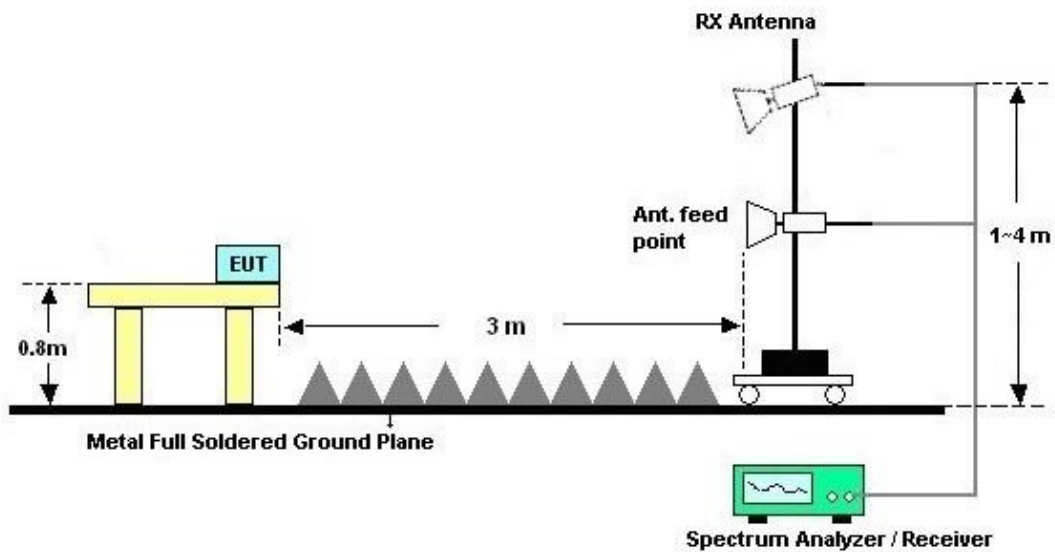
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a Bi-Log antenna and its 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 (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
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 (dBμV/m) = 20 log Emission level (μV/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamplifier Factor = Level

3.2.4 Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



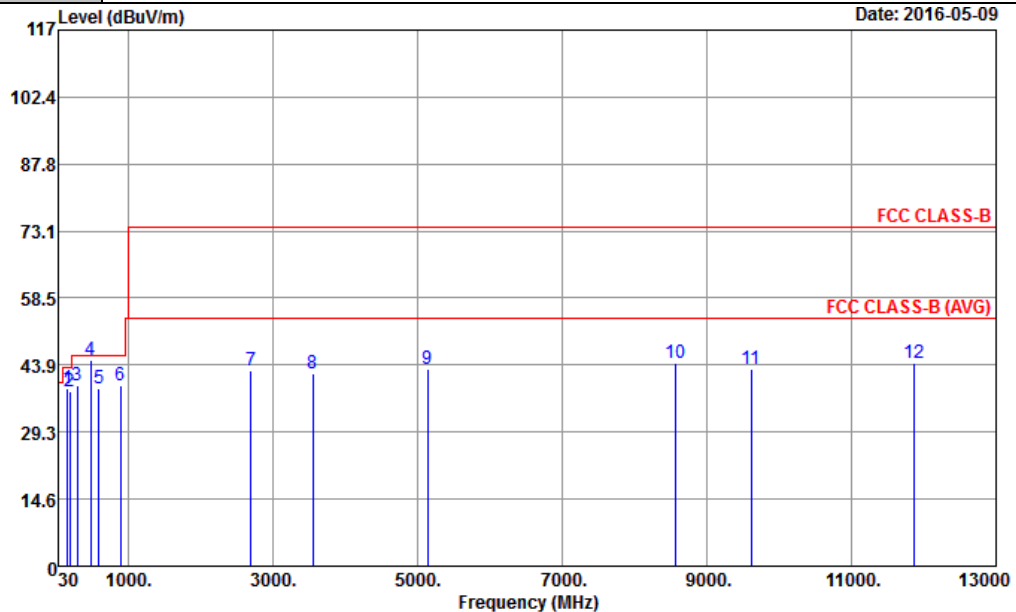
For radiated emissions above 1GHz





3.2.5 Test Result of Radiated Emission

Test Mode :	Mode 1	Temperature :	23~25°C
Test Engineer :	Jeff Yao	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	WLAN Idle + Bluetooth Idle + Keyboard + USB Cable 1(Charging from Adapter) + Camera(Front) + Earphone 1 + Battery 1 + SD Card + U Disk + HDMI Cable		

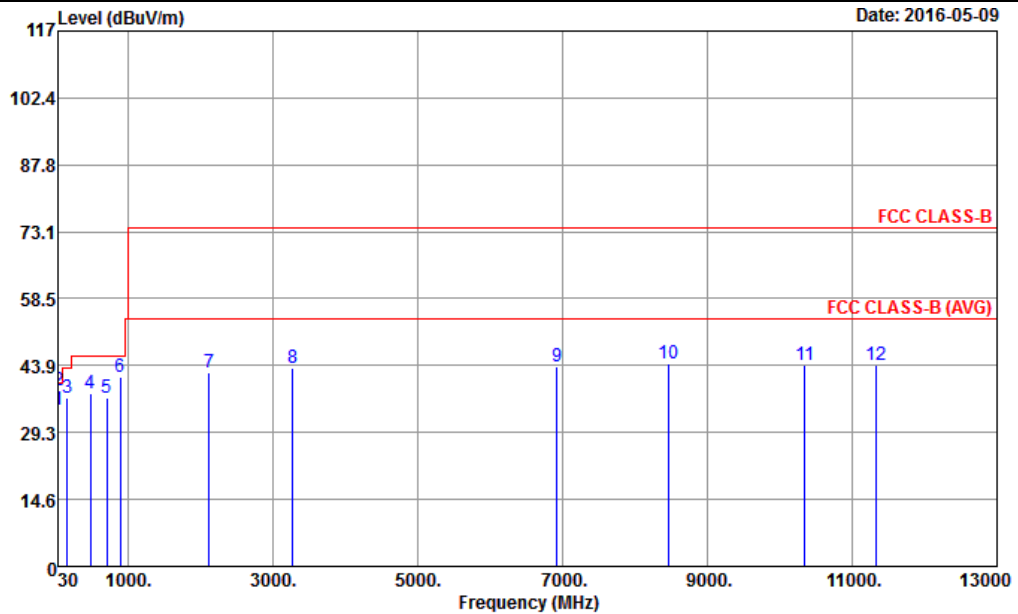


Condition : FCC CLASS-B 3m LF_ANT(23188)6_15101 HORIZONTAL
 Project : (FC)631706
 Mode : Mode 1

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	162.03	38.86	-4.64	43.50	46.05	17.06	1.20	25.45	---	Peak
2	194.16	38.01	-5.49	43.50	46.22	15.57	1.50	25.28	---	Peak
3	296.76	39.44	-6.56	46.00	44.40	18.38	1.71	25.05	---	Peak
4	479.90	45.08	-0.92	46.00	45.82	23.37	2.12	26.23	100	251 QP
5	593.30	38.73	-7.27	46.00	38.19	24.45	2.52	26.43	---	Peak
6	890.10	39.41	-6.59	46.00	33.89	28.34	3.08	25.90	---	Peak
7	2690.00	42.65	-31.35	74.00	63.36	32.85	5.46	59.02	---	Peak
8	3556.00	42.02	-31.98	74.00	61.84	33.45	6.30	59.57	---	Peak
9	5138.00	43.17	-30.83	74.00	58.45	34.66	7.72	57.66	---	Peak
10	8574.00	44.20	-29.80	74.00	54.38	36.30	11.02	57.50	---	Peak
11	9616.00	43.08	-30.92	74.00	52.79	37.64	11.49	58.84	---	Peak
12	11860.00	44.32	-29.68	74.00	52.41	39.42	12.61	60.12	100	0 Peak



Test Mode :	Mode 1	Temperature :	23~25°C
Test Engineer :	Jeff Yao	Relative Humidity :	48~52%
Test Distance :	3m	Polarization :	Vertical
Function Type :	WLAN Idle + Bluetooth Idle + Keyboard + USB Cable 1(Charging from Adapter) + Camera(Front) + Earphone 1 + Battery 1 + SD Card + U Disk + HDMI Cable		



Condition : FCC CLASS-B 3m LF_ANT(23188)6_15101 VERTICAL
Project : (FC)631706
Mode : Mode 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg
1	30.00	34.32	-5.68	40.00	33.04	26.60	0.75	26.07	100	360 QP
2	40.26	38.60	-1.40	40.00	42.78	21.08	0.75	26.01	100	264 QP
3	154.20	36.79	-6.71	43.50	43.66	17.42	1.20	25.49	---	--- Peak
4	479.90	37.80	-8.20	46.00	38.54	23.37	2.12	26.23	---	--- Peak
5	706.00	36.71	-9.29	46.00	33.86	26.56	2.65	26.36	---	--- Peak
6	890.10	41.34	-4.66	46.00	35.82	28.34	3.08	25.90	---	--- Peak
7	2120.00	42.42	-31.58	74.00	64.03	32.32	4.76	58.69	---	--- Peak
8	3268.00	43.26	-30.74	74.00	63.44	33.26	6.06	59.50	---	--- Peak
9	6918.00	43.72	-30.28	74.00	56.18	36.13	9.21	57.80	---	--- Peak
10	8470.00	44.22	-29.78	74.00	54.34	36.22	11.06	57.40	100	0 Peak
11	10346.00	44.01	-29.99	74.00	52.41	38.38	12.21	58.99	---	--- Peak
12	11340.00	43.96	-30.04	74.00	51.99	39.07	12.59	59.69	---	--- Peak



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz; Max 30dBm	Oct. 20, 2015	May 09, 2016	Oct. 19, 2016	Radiation (03CH02-SZ)
Spectrum Analyzer	R&S	FSV40	101041	10kHz~40GHz; Max 30dBm	Oct. 20, 2015	May 09, 2016	Oct. 19, 2016	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	May 07, 2016	May 09, 2016	May 06, 2017	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1285	1GHz~18GHz	Jan. 11, 2016	May 09, 2016	Jan. 10, 2017	Radiation (03CH02-SZ)
Amplifier	HP	8447F	3113A04622	9kHz~1300MHz / 30 dB	Aug. 07, 2015	May 09, 2016	Aug. 06, 2016	Radiation (03CH02-SZ)
Amplifier	Agilent	8449B	3008A01023	1GHz~26.5GHz	Oct. 20, 2015	May 09, 2016	Oct. 19, 2016	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	61601000247 0	N/A	NCR	May 09, 2016	NCR	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	May 09, 2016	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	May 09, 2016	NCR	Radiation (03CH02-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz;Ma x 30dBm	Oct. 20, 2015	Apr. 21, 2016	Oct. 19, 2016	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103892	9kHz~30MHz	Jan. 12, 2016	Apr. 21, 2016	Jan. 11, 2017	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	MessTec	3816/2SH	00103912	9kHz~30MHz	Jan. 12, 2016	Apr. 21, 2016	Jan. 11, 2017	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	61602000089 1	100Vac~250Vac	Aug. 07, 2015	Apr. 21, 2016	Aug. 06, 2016	Conduction (CO01-SZ)
Pulse Limiter	COM-POWER	LIT-153 Transient Limiter	53139	150kHz~30MHz	Oct. 20, 2015	Apr. 21, 2016	Oct. 19, 2016	Conduction (CO01-SZ)

NCR: No Calibration Required



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	2.3dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.0dB
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