FCC Test Report

APPLICANT	:	TCL Communication Ltd.
EQUIPMENT	:	Tablet PC
BRAND NAME	:	ALCATEL ONETOUCH
MODEL NAME	:	8057, 8056
FCC ID	:	2ACCJB008
STANDARD	:	FCC 47 CFR FCC Part 15 Subpart B
CLASSIFICATION	:	Certification

The product was received on Mar. 05, 2015 and testing was completed on Apr. 03, 2015. We, SPORTON INTERNATIONAL (KUNSHAN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2009 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 (KUNSHAN) INC., the test report shall not be reproduced except in full.

Louis Wu

Reviewed by: Louis Wu / Manager

Jones Tsai

Approved by: Jones Tsai / Manager

Testing Laboratory
2627

SPORTON INTERNATIONAL (KUNSHAN) INC.
No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC530506	Rev. 01	Initial issue of report	Apr. 08, 2015

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 4.68 dB at 0.150 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 4.68 dB at 408.300 MHz

1. General Description

1.1. Applicant

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

1.2. Manufacturer

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

1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	Tablet PC
Brand Name	ALCATEL ONETOUCH
Model Name	8057, 8056
FCC ID	2ACCJB008
EUT supports Radios application	WLAN2.4GHz 802.11b/g/n HT20/HT40/ Bluetooth v3.0+EDR/Bluetooth v4.0 LE
HW Version	V4.1.0
SW Version	vKD057 for 8057 vKE049 for 8056
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. There are two types of EUT sample 1(with model name 8057) and sample 2 (with model name 8056), the differences between two samples are only for memory capability, camera resolution, the supplier of flash, additional, sample 1 with GPS function but sample 2 without GPS function. The others are the same including circuit design, PCB board, structure and all components.

1.4. Product Specification subjective to this standard

Product Specification subjective to this standard	
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 GPS : 1.57542 GHz
Antenna Type	WLAN : IFA Antenna Bluetooth : IFA Antenna GPS : 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) : π/4-DQPSK Bluetooth (3Mbps) : 8-DPSK GPS: BPSK

1.5. Modification of EUT

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

1.6. Test Location

Test Site	SPORTON INTERNATIONAL (KUNSHAN) INC.	
Test Site Location	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China TEL: +86-0512-5790-0158 FAX: +86-0512-5790-0958	
Test Site No.	**Sporton Site No.**	**FCC Registration No.**
	03CH01-KS	831040

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

1.7. 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 C63.4-2009

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 C63.4-2009 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:

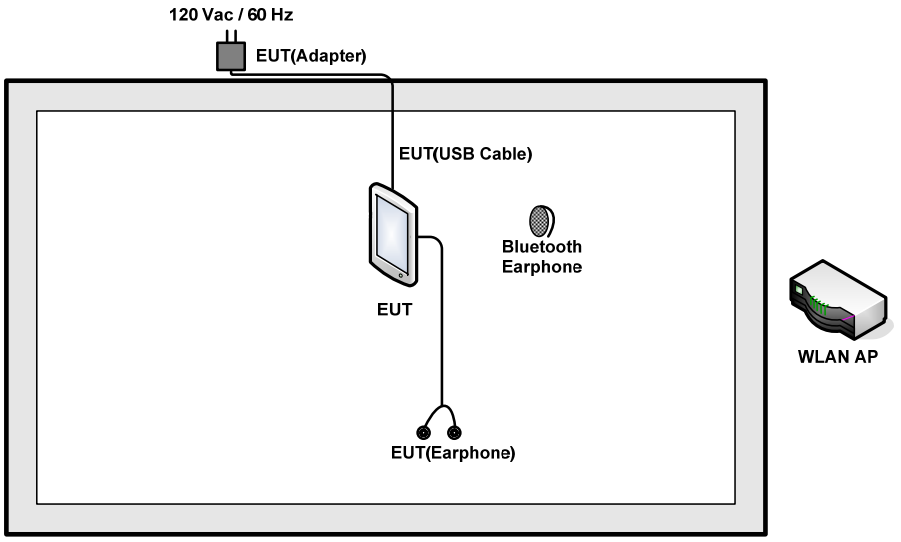
- EMI AC: AC conducted emissions
- EMI RE ≥ 1G: EUT radiated emissions ≥ 1GHz
- EMI RE < 1G: EUT radiated emissions < 1GHz

Test Items	EUT Configure Mode	Function Type
AC Conducted Emission	1/2	Mode 1: Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter 1) + Battery 1 + Earphone + Camera for Sample 1<Fig.1> Mode 2: Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter 2) + Battery 2 + Earphone + MPEG4 for Sample 1<Fig.1> Mode 3: Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Battery 1 + Earphone + GPS Rx for Sample 1<Fig.2> Mode 4: Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter 1) + Battery 1 + Earphone + Camera for Sample 2<Fig.1>
Radiated Emissions < 1GHz	1/2	Mode 1: Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter 1) + Battery 1 + Earphone + Camera for Sample 1<Fig.1> Mode 2: Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter 2) + Battery 2 + Earphone + MPEG4 for Sample 1<Fig.1> Mode 3: Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Battery 1 + Earphone + GPS Rx for Sample 1<Fig.2> Mode 4: Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter 1) + Battery 1 + Earphone + Camera for Sample 2<Fig.1>
Radiated Emissions ≥ 1GHz	1/2	Mode 1: Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter 1) + Battery 1 + Earphone + Camera for Sample 1<Fig.1> Mode 2: Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Battery 1 + Earphone + GPS Rx for Sample 1<Fig.2>

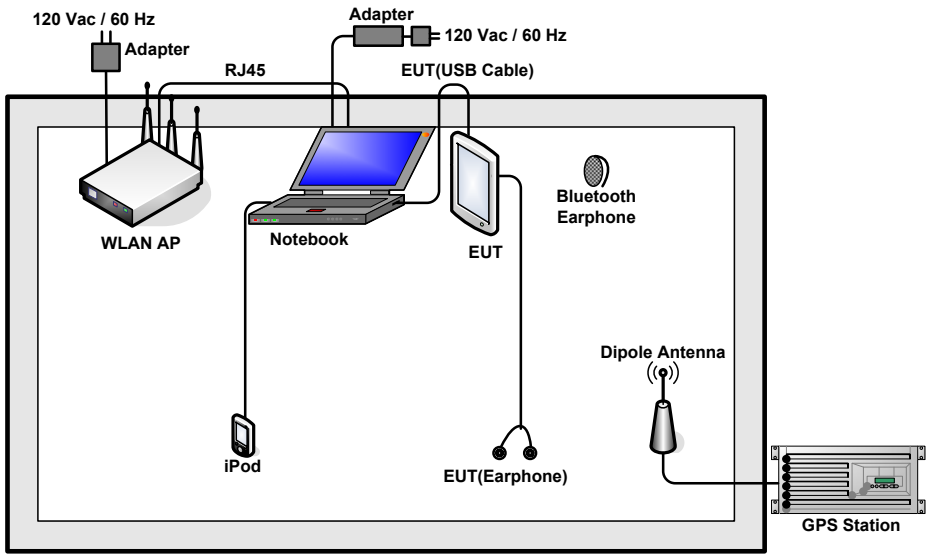
Remark:

1. The worst case of AC is mode 4; and the USB Link mode of AC is mode 3, the test data of these modes were reported.
2. The worst case of RE < 1G is mode 1; and the USB Link mode of RE is mode 3, the test data of these modes were reported.
3. Link with Notebook means data application transferred mode between EUT and Notebook.

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.	GPS Station	ADIVIC	MP9000	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	D-Link	DIR-815	KA2IR815A1	N/A	Unshielded, 1.8 m
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	Bluetooth Earphone	Nokia	BH-108	PYAHS-107W	N/A	N/A
5.	Notebook	Lenovo	G480	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	iPod	Apple	A1199	FCC DoC	Unshielded, 1.2 m	N/A
7.	iPod nano 8GB	Apple	MC690ZP/A	FCC DoC	Unshielded, 1.2 m	N/A

2.4. EUT Operation Test Setup

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. Execute “Video Player” to play MPEG4 files.
3. Turn on camera to capture images.
4. Turn on GPS function to make the EUT receive continuous signals from GPS station.

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.

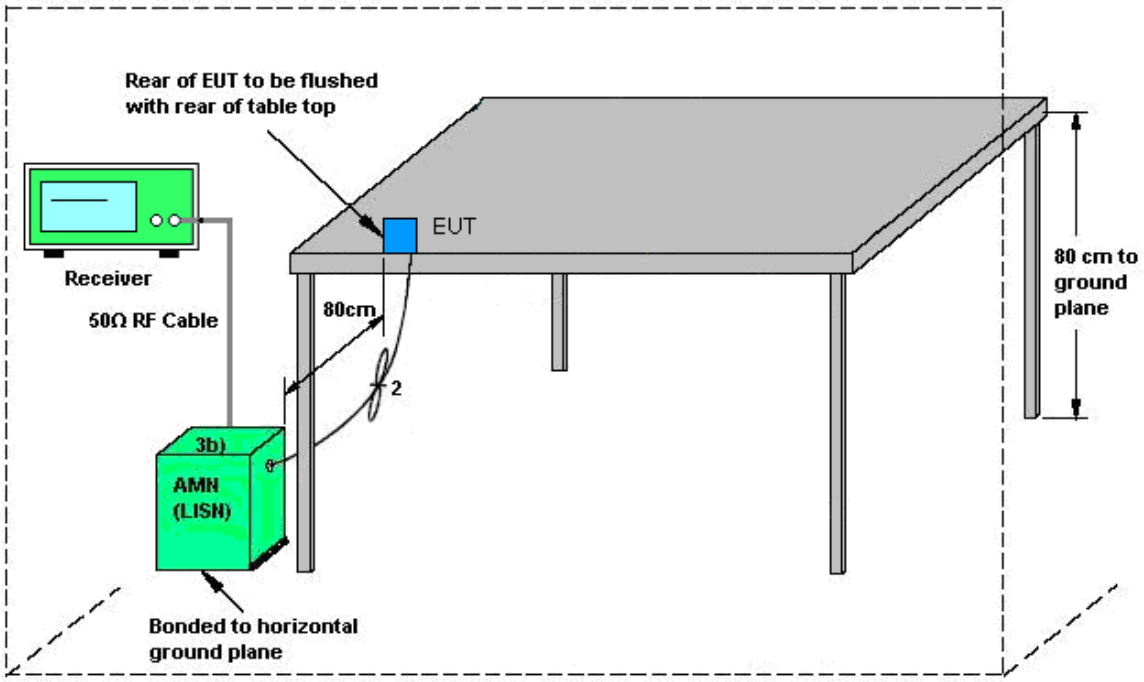
3.1.2 Measuring Instruments

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.

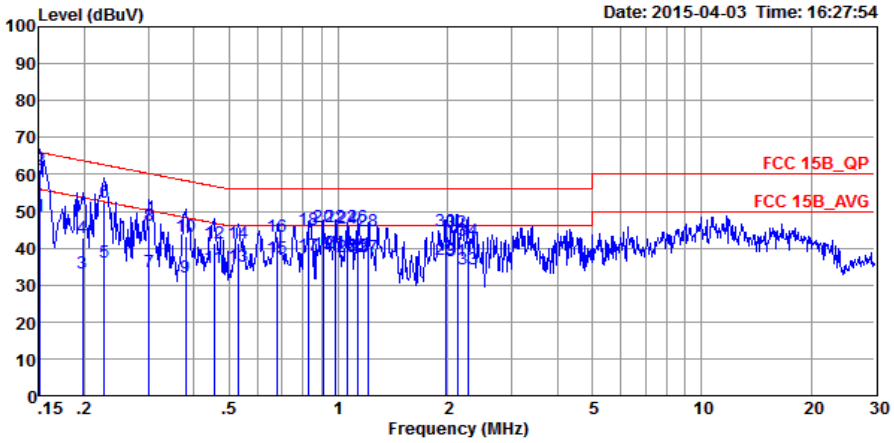
3.1.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.1.5 Test Result of AC Conducted Emission

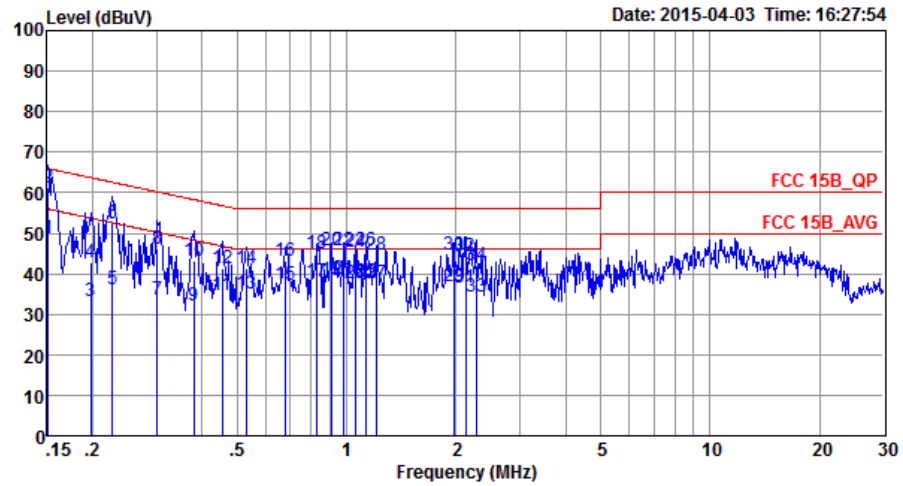
Test Mode :	Mode 4	Temperature :	21~22℃
Test Engineer :	Jack Tian	Relative Humidity :	41~42%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter 1) + Battery 1 + Earphone + Camera for Sample 2		



Site : CO01-SZ
Condition: FCC 15B_QP LISN_L_20140304 LINE
Project : (FC)530506

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15	48.68	-7.28	55.96	38.10	0.22	10.36	Average
2	*	0.15	61.28	-4.68	65.96	50.70	0.22	10.36	QP
3		0.20	33.12	-20.59	53.71	22.60	0.22	10.30	Average
4		0.20	42.72	-20.99	63.71	32.20	0.22	10.30	QP
5		0.23	36.00	-16.57	52.57	25.51	0.23	10.26	Average
6		0.23	52.40	-10.17	62.57	41.91	0.23	10.26	QP
7		0.30	33.56	-16.63	50.19	23.10	0.26	10.20	Average
8		0.30	46.26	-13.93	60.19	35.80	0.26	10.20	QP
9		0.38	32.15	-16.15	48.30	21.69	0.28	10.18	Average
10		0.38	43.25	-15.05	58.30	32.79	0.28	10.18	QP
11		0.45	34.65	-12.15	46.80	24.20	0.29	10.16	Average
12		0.45	41.35	-15.45	56.80	30.90	0.29	10.16	QP
13		0.53	34.93	-11.07	46.00	24.50	0.28	10.15	Average
14		0.53	41.43	-14.57	56.00	31.00	0.28	10.15	QP
15		0.68	37.34	-8.66	46.00	27.00	0.19	10.15	Average
16		0.68	43.34	-12.66	56.00	33.00	0.19	10.15	QP
17		0.83	37.97	-8.03	46.00	27.60	0.22	10.15	Average
18		0.83	45.17	-10.83	56.00	34.80	0.22	10.15	QP
19		0.91	38.39	-7.61	46.00	28.00	0.24	10.15	Average
20		0.91	45.59	-10.41	56.00	35.20	0.24	10.15	QP
21		0.98	38.91	-7.09	46.00	28.50	0.26	10.15	Average
22		0.98	45.91	-10.09	56.00	35.50	0.26	10.15	QP
23		1.06	37.81	-8.19	46.00	27.40	0.26	10.15	Average
24		1.06	45.31	-10.69	56.00	34.90	0.26	10.15	QP
25		1.14	38.01	-7.99	46.00	27.60	0.25	10.16	Average
26		1.14	45.71	-10.29	56.00	35.30	0.25	10.16	QP
27		1.21	37.61	-8.39	46.00	27.20	0.25	10.16	Average
28		1.21	44.81	-11.19	56.00	34.40	0.25	10.16	QP
29		1.97	36.81	-9.19	46.00	26.40	0.22	10.19	Average

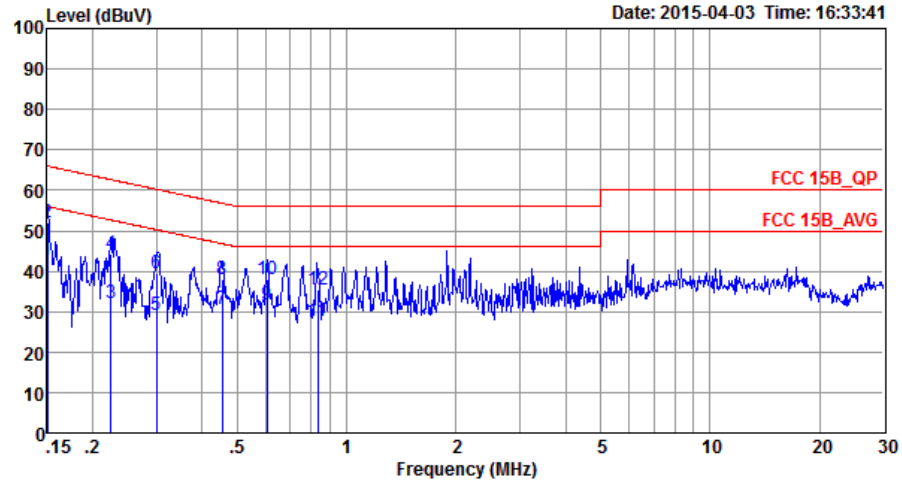
Test Mode :	Mode 4	**Temperature :**	21~22℃
Test Engineer :	Jack Tian	**Relative Humidity :**	41~42%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter 1) + Battery 1 + Earphone + Camera for Sample 2		



Site : CO01-SZ
Condition: FCC 15B_QP LISN_L_20140304 LINE
Project : (FC)530506

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
30	1.97	44.61	-11.39	56.00	34.20	0.22	10.19	QP
31	2.12	36.52	-9.48	46.00	26.10	0.23	10.19	Average
32	2.12	44.32	-11.68	56.00	33.90	0.23	10.19	QP
33	2.27	34.44	-11.56	46.00	23.99	0.25	10.20	Average
34	2.27	42.14	-13.86	56.00	31.69	0.25	10.20	QP

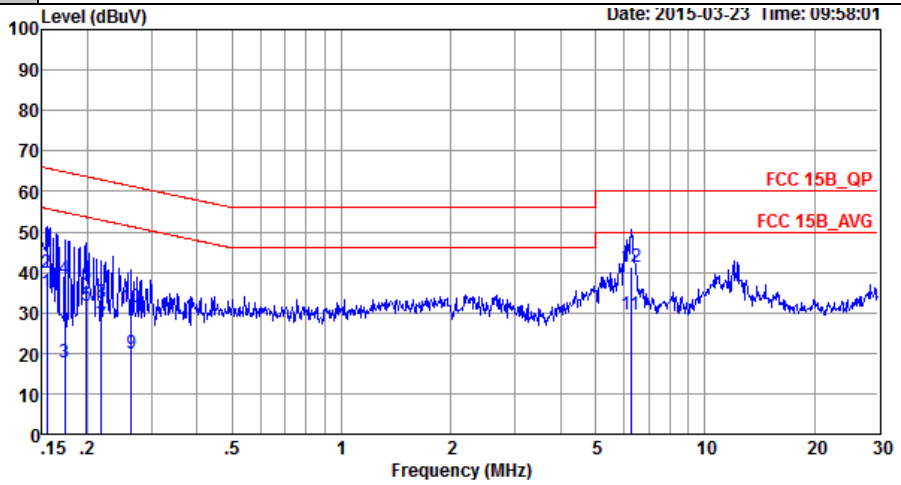
Test Mode :	Mode 4	Temperature :	21~22℃
Test Engineer :	Jack Tian	Relative Humidity :	41~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter 1) + Battery 1 + Earphone + Camera for Sample 2		



Site : CO01-SZ
Condition: FCC 15B_QP LISN_N_20140304 NEUTRAL
Project : (FC)530506

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	*	0.15	42.89	-13.11	56.00	32.20	0.33	10.36	Average
2		0.15	51.99	-14.01	66.00	41.30	0.33	10.36	QP
3		0.22	32.20	-20.46	52.66	21.60	0.33	10.27	Average
4		0.22	44.20	-18.46	62.66	33.60	0.33	10.27	QP
5		0.30	29.26	-20.98	50.24	18.70	0.36	10.20	Average
6		0.30	39.46	-20.78	60.24	28.90	0.36	10.20	QP
7		0.45	30.56	-16.24	46.80	20.00	0.40	10.16	Average
8		0.45	37.86	-18.94	56.80	27.30	0.40	10.16	QP
9		0.60	31.67	-14.33	46.00	21.20	0.32	10.15	Average
10		0.60	37.87	-18.13	56.00	27.40	0.32	10.15	QP
11		0.83	27.54	-18.46	46.00	17.10	0.29	10.15	Average
12		0.83	35.44	-20.56	56.00	25.00	0.29	10.15	QP

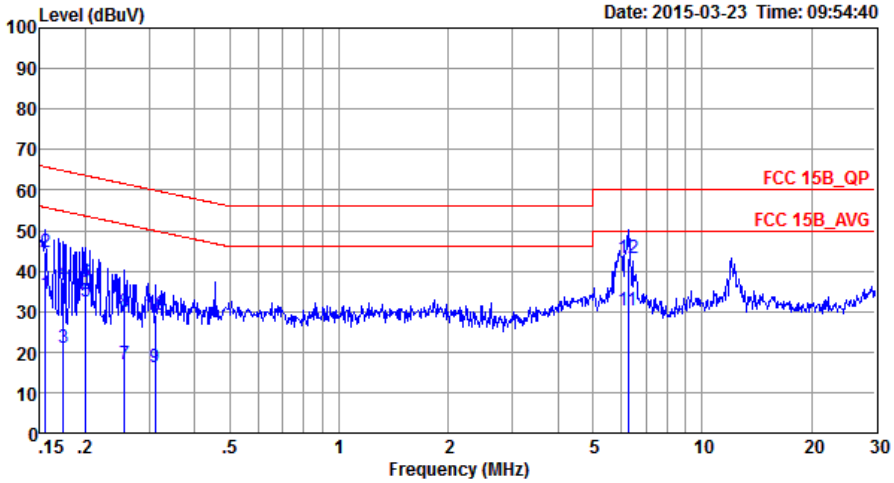
Test Mode :	Mode 3	**Temperature :**	21~22℃
Test Engineer :	Jack Tian	**Relative Humidity :**	41~42%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Battery 1 + Earphone + GPS Rx for Sample 1		



Site : CO01-SZ
Condition: FCC 15B_QP LISN_L_20140304 LINE
Project : (FC)530506
Mode : Mode 3

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15	35.17	-20.57	55.74	24.60	0.22	10.35	Average
2		0.15	39.97	-25.77	65.74	29.40	0.22	10.35	QP
3		0.17	17.75	-37.06	54.81	7.20	0.22	10.33	Average
4		0.17	38.45	-26.36	64.81	27.90	0.22	10.33	QP
5		0.20	31.62	-22.05	53.67	21.10	0.22	10.30	Average
6		0.20	37.02	-26.65	63.67	26.50	0.22	10.30	QP
7		0.22	27.00	-25.88	52.88	16.50	0.23	10.27	Average
8		0.22	32.30	-30.58	62.88	21.80	0.23	10.27	QP
9		0.26	19.97	-31.32	51.29	9.50	0.24	10.23	Average
10		0.26	31.37	-29.92	61.29	20.90	0.24	10.23	QP
11		6.25	29.56	-20.44	50.00	18.90	0.39	10.27	Average
12	*	6.25	41.26	-18.74	60.00	30.60	0.39	10.27	QP

Test Mode :	Mode 3	Temperature :	21~22℃
Test Engineer :	Jack Tian	Relative Humidity :	41~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Battery 1 + Earphone + GPS Rx for Sample 1		



Site : CO01-SZ
Condition: FCC 15B_QP LISN_N_20140304 NEUTRAL
Project : (FC)530506
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	34.38	-21.31	55.69	23.70	0.33	10.35	Average
2	0.16	44.48	-21.21	65.69	33.80	0.33	10.35	QP
3	0.17	20.95	-33.82	54.77	10.30	0.32	10.33	Average
4	0.17	37.35	-27.42	64.77	26.70	0.32	10.33	QP
5	0.20	32.41	-21.17	53.58	21.80	0.32	10.29	Average
6	0.20	37.31	-26.27	63.58	26.70	0.32	10.29	QP
7	0.26	16.98	-34.58	51.56	6.40	0.34	10.24	Average
8	0.26	29.88	-31.68	61.56	19.30	0.34	10.24	QP
9	0.31	16.16	-33.77	49.93	5.60	0.36	10.20	Average
10	0.31	29.06	-30.87	59.93	18.50	0.36	10.20	QP
11	6.25	30.42	-19.58	50.00	19.69	0.46	10.27	Average
12 *	6.25	43.02	-16.98	60.00	32.29	0.46	10.27	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

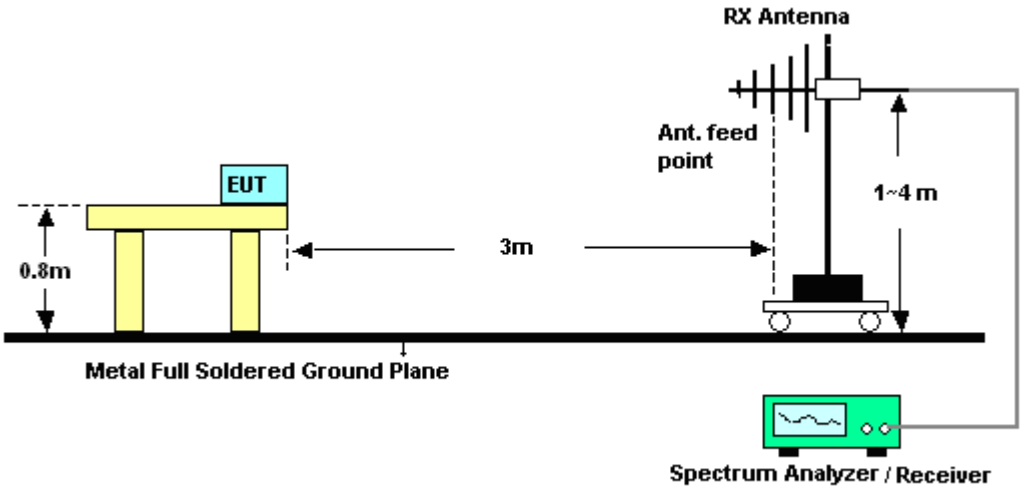
The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

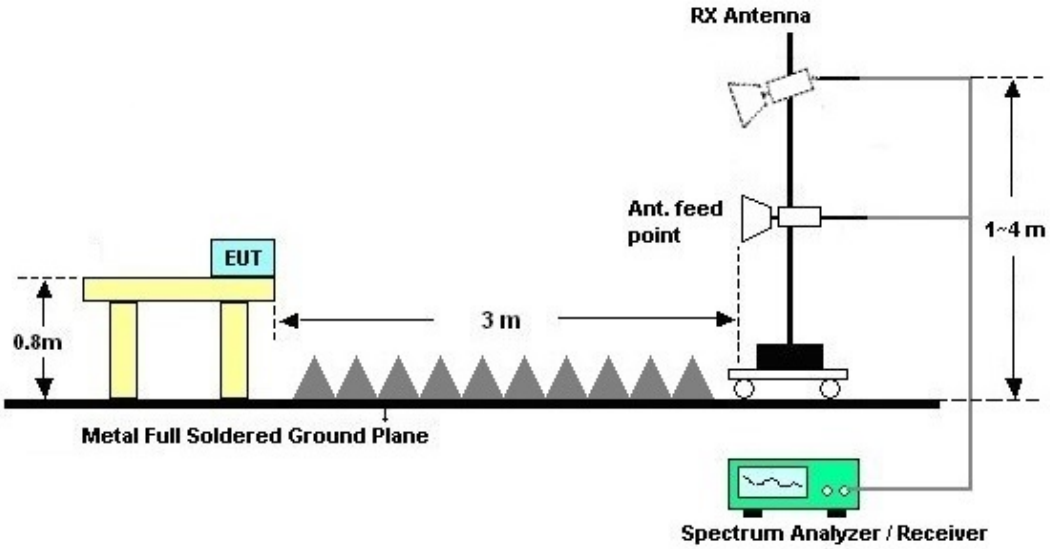
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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 - Preamp Factor = Level

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz

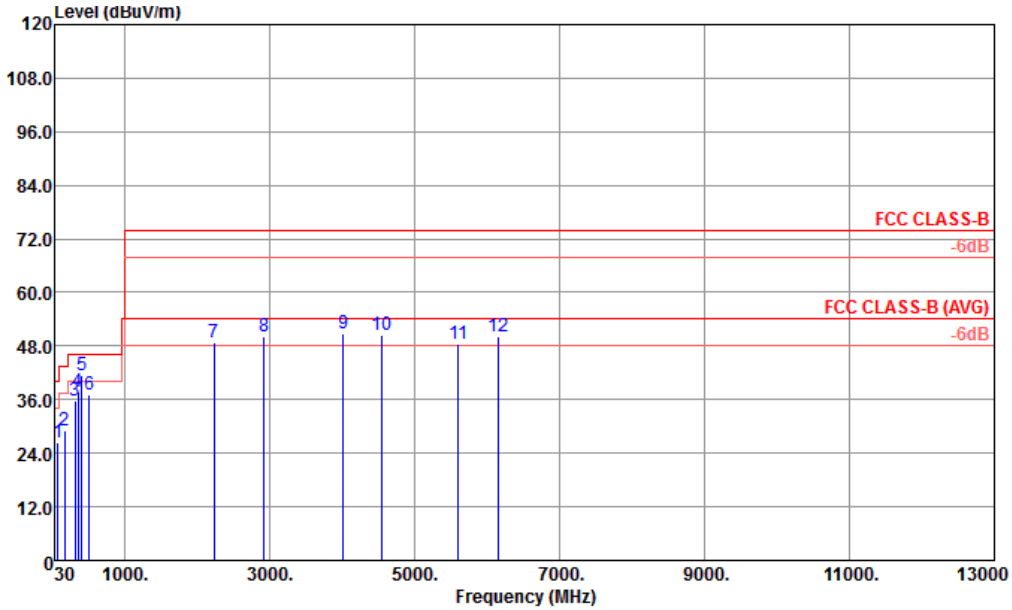


For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

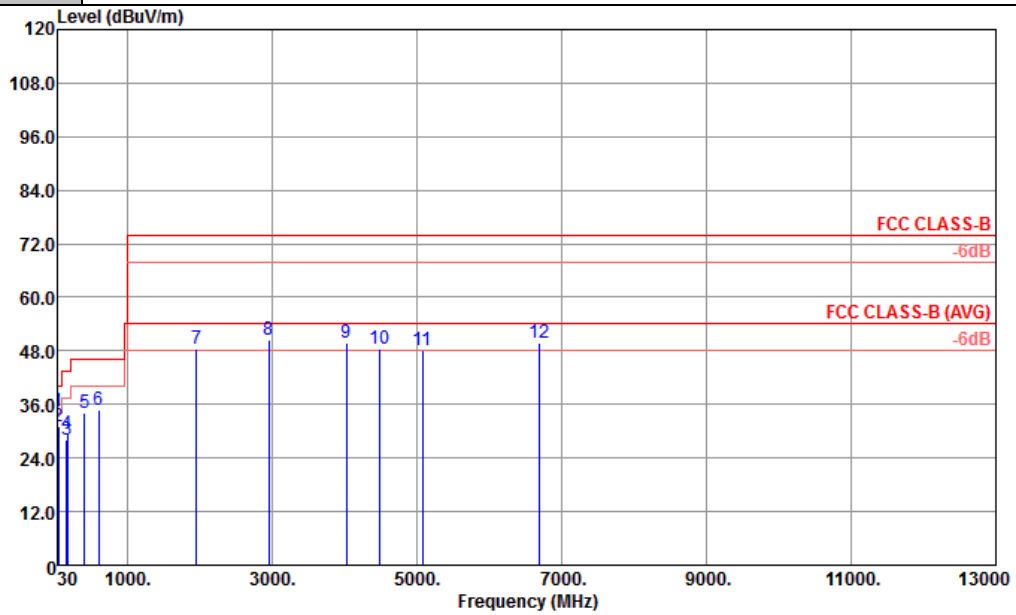
Test Mode :	Mode 1	Temperature :	22~23℃
Test Engineer :	Love Zhao	Relative Humidity :	40~41%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter 1) + Battery 1 + Earphone + Camera for Sample 1		



Site : 03CH01-KS
Condition : FCC CLASS-B 3m LF_ANT_37879 HORIZONTAL
Project : (FC)530506
Mode : 1

	Freq	Level	Over Limit	Limit Line	Read 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	71.71	26.43	-13.57	40.00	49.68	8.36	1.04	32.65	---	---	Peak
2	167.74	29.08	-14.42	43.50	49.13	11.03	1.44	32.52	---	---	Peak
3	312.27	35.86	-10.14	46.00	52.74	13.50	2.02	32.40	---	---	Peak
4	359.80	37.88	-8.12	46.00	52.79	15.29	2.15	32.35	---	---	Peak
5 !	408.30	41.32	-4.68	46.00	54.67	16.64	2.28	32.27	154	201	Peak
6	504.33	36.98	-9.02	46.00	49.31	17.24	2.64	32.21	---	---	Peak
7	2232.00	48.87	-25.13	74.00	44.05	31.12	5.96	32.26	---	---	Peak
8	2924.00	50.09	-23.91	74.00	41.01	32.63	6.86	30.41	---	---	Peak
9	4014.00	50.93	-23.07	74.00	38.12	34.56	8.52	30.27	---	---	Peak
10	4548.00	50.52	-23.48	74.00	39.18	34.73	8.55	31.94	---	---	Peak
11	5598.00	48.51	-25.49	74.00	38.61	35.18	9.51	34.79	---	---	Peak
12	6144.00	50.17	-23.83	74.00	40.06	35.47	9.98	35.34	---	---	Peak

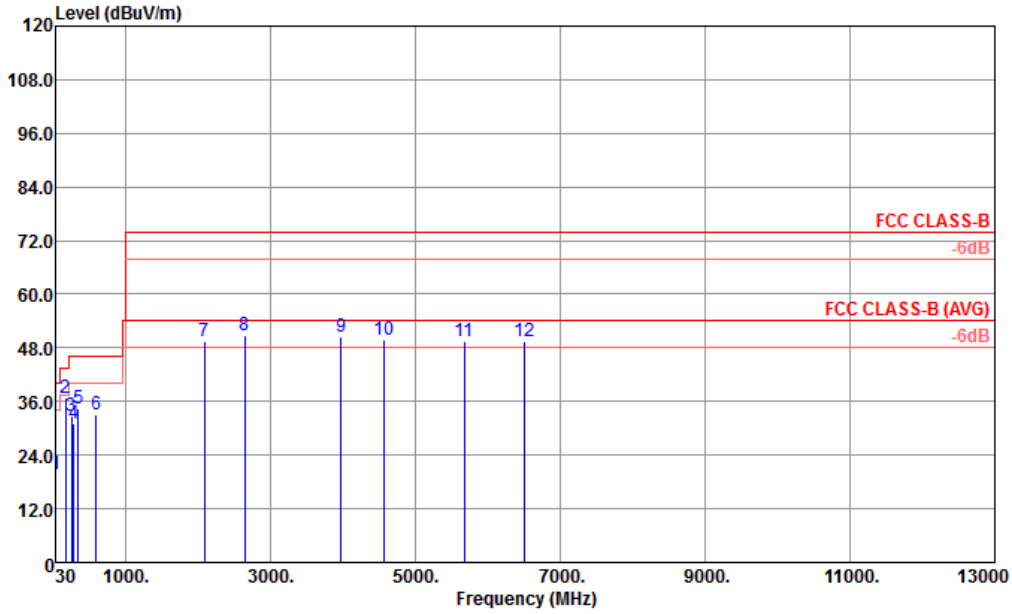
Test Mode :	Mode 1	Temperature :	22~23℃
Test Engineer :	Love Zhao	Relative Humidity :	40~41%
Test Distance :	3m	Polarization :	Vertical
Function Type :	Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter 1) + Battery 1 + Earphone + Camera for Sample 1		



Site : 03CH01-KS
Condition : FCC CLASS-B 3m LF_ANT_37879 VERTICAL
Project : (FC)530506
Mode : 1

		Freq	Level	Over Limit	Limit Line	Read 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	!	35.82	34.58	-5.42	40.00	50.15	16.26	0.79	32.62	100	134	Peak
2		50.37	30.92	-9.08	40.00	54.05	8.70	0.79	32.62	---	---	Peak
3		158.04	28.11	-15.39	43.50	47.82	11.40	1.44	32.55	---	---	Peak
4		167.74	29.46	-14.04	43.50	49.51	11.03	1.44	32.52	---	---	Peak
5		408.30	34.14	-11.86	46.00	47.49	16.64	2.28	32.27	---	---	Peak
6		600.36	34.72	-11.28	46.00	45.11	18.80	2.83	32.02	---	---	Peak
7		1952.00	48.32	-25.68	74.00	46.22	30.33	5.58	33.81	---	---	Peak
8		2948.00	50.39	-23.61	74.00	41.32	32.70	6.86	30.49	---	---	Peak
9		4020.00	49.93	-24.07	74.00	37.22	34.58	8.52	30.39	---	---	Peak
10		4480.00	48.54	-25.46	74.00	37.25	34.71	8.52	31.94	---	---	Peak
11		5076.00	48.11	-25.89	74.00	38.37	35.02	8.93	34.21	---	---	Peak
12		6700.00	49.81	-24.19	74.00	39.21	35.60	10.38	35.38	---	---	Peak

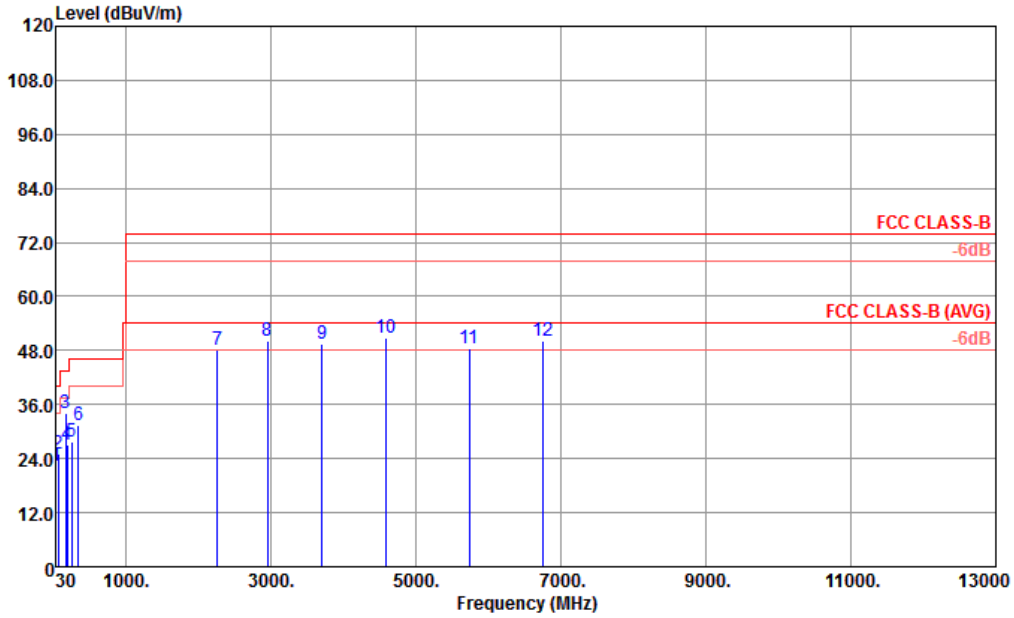
Test Mode :	Mode 3	**Temperature :**	22~23°C
Test Engineer :	Love Zhao	**Relative Humidity :**	40~41%
Test Distance :	3m	**Polarization :**	Horizontal
Function Type :	Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Battery 1 + Earphone + GPS Rx for Sample 1		



Site : 03CH01-KS
Condition : FCC CLASS-B 3m LF_ANT_37879 HORIZONTAL
Project : (FC)530506
Mode : 3

	Freq	Level	Over Limit	Limit Line	Read 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	32.91	19.78	-20.22	40.00	33.90	17.73	0.79	32.64	---	---	Peak
2	165.80	36.89	-6.61	43.50	56.88	11.10	1.44	32.53	150	138	Peak
3	254.07	32.77	-13.23	46.00	51.29	12.17	1.75	32.44	---	---	Peak
4	284.14	30.98	-15.02	46.00	48.79	12.72	1.90	32.43	---	---	Peak
5	344.28	34.45	-11.55	46.00	50.02	14.77	2.02	32.36	---	---	Peak
6	591.63	33.18	-12.82	46.00	43.55	18.82	2.83	32.02	---	---	Peak
7	2092.00	49.47	-24.53	74.00	45.81	30.92	5.80	33.06	---	---	Peak
8	2648.00	50.69	-23.31	74.00	43.17	31.87	6.52	30.87	---	---	Peak
9	3978.00	50.32	-23.68	74.00	37.54	34.51	8.44	30.17	---	---	Peak
10	4572.00	49.66	-24.34	74.00	38.30	34.74	8.57	31.95	---	---	Peak
11	5678.00	49.36	-24.64	74.00	39.81	35.23	9.59	35.27	---	---	Peak
12	6510.00	49.31	-24.69	74.00	39.44	35.56	10.26	35.95	---	---	Peak

Test Mode :	Mode 3	Temperature :	22~23℃
Test Engineer :	Love Zhao	Relative Humidity :	40~41%
Test Distance :	3m	Polarization :	Vertical
Function Type :	Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Battery 1 + Earphone + GPS Rx for Sample 1		



Site : 03CH01-KS
Condition : FCC CLASS-B 3m LF_ANT_37879 VERTICAL
Project : (FC)530506
Mode : 3

	Freq	Level	Over Limit	Limit Line	Read 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	31.94	22.40	-17.60	40.00	36.04	18.22	0.79	32.65	---	---	Peak
2	67.83	25.16	-14.84	40.00	49.22	7.78	0.79	32.63	---	---	Peak
3	165.80	33.99	-9.51	43.50	53.98	11.10	1.44	32.53	168	130	Peak
4	194.90	27.24	-16.26	43.50	48.11	9.99	1.61	32.47	---	---	Peak
5	254.07	27.60	-18.40	46.00	46.12	12.17	1.75	32.44	---	---	Peak
6	344.28	31.36	-14.64	46.00	46.93	14.77	2.02	32.36	---	---	Peak
7	2260.00	48.13	-25.87	74.00	43.20	31.15	6.01	32.23	---	---	Peak
8	2950.00	50.29	-23.71	74.00	41.22	32.70	6.86	30.49	---	---	Peak
9	3708.00	49.31	-24.69	74.00	37.69	34.03	7.99	30.40	---	---	Peak
10	4584.00	50.86	-23.14	74.00	39.49	34.75	8.57	31.95	---	---	Peak
11	5732.00	48.35	-25.65	74.00	39.18	35.28	9.63	35.74	---	---	Peak
12	6742.00	50.18	-23.82	74.00	39.58	35.58	10.41	35.39	---	---	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	ESCI	100534	9kHz~3GHz	Oct. 25, 2014	Mar. 15, 2015~ Apr. 03, 2015	Oct. 24, 2015	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP30	101399	9kHz~30GHz	May 04, 2014	Mar. 15, 2015~ Apr. 03, 2015	May 03, 2015	Radiation (03CH01-KS)
Bilog Antenna	TeseQ	CBL6112D	37879	30Mhz-2Ghz	Sep. 13, 2014	Mar. 15, 2015~ Apr. 03, 2015	Sep. 12, 2015	Radiation (03CH01-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Nov. 08, 2014	Mar. 15, 2015~ Apr. 03, 2015	Nov. 07, 2015	Radiation (03CH01-KS)
Amplifier	com-power	PA-103A	161073	1MHz~1GHz	May 04, 2014	Mar. 15, 2015~ Apr. 03, 2015	May 03, 2015	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02371	1GHz~26.5GHz	Oct. 28, 2014	Mar. 15, 2015~ Apr. 03, 2015	Oct. 27, 2015	Radiation (03CH01-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Mar. 15, 2015~ Apr. 03, 2015	NCR	Radiation (03CH01-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Mar. 15, 2015~ Apr. 03, 2015	NCR	Radiation (03CH01-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Mar. 15, 2015~ Apr. 03, 2015	NCR	Radiation (03CH01-KS)
EMI TEST Receiver	R&S	ESCI7	100768	9kHz~3GHz	May 04, 2014	Mar. 16, 2015~ Apr. 03, 2015	May 03, 2015	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103912	9kHz~30MHz	Feb. 02, 2015	Mar. 16, 2015~ Apr. 03, 2015	Feb. 01, 2016	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Feb. 02, 2015	Mar. 16, 2015~ Apr. 03, 2015	Feb. 01, 2016	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Sep. 29, 2014	Mar. 16, 2015~ Apr. 03, 2015	Sep. 28, 2015	Conduction (CO01-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))	**2.3dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.5dB**