



FCC Test Report

APPLICANT : Huawei Technologies Co., Ltd.
EQUIPMENT : Smart Phone
BRAND NAME : HUAWEI
MODEL NAME : GLK-LX3
FCC ID : QISGLK-LX3
STANDARD : 47 CFR Part 15 Subpart B
CLASSIFICATION : Certification

The product was received on Apr. 12, 2019 and testing was completed on Apr. 30, 2019. 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.

Derreck Chen

Reviewed by: Derreck Chen / Supervisor

Eric Shih

Approved by: Eric Shih / Manager



Sporton International (ShenZhen) Inc.

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People's Republic of China



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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 7.61 dB at 0.15 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 6.26 dB at 35.82 MHz for peak



1. General Description

1.1. Applicant

Huawei Technologies Co., Ltd.

Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

1.2. Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Phone
Brand Name	HUAWEI
Model Name	GLK-LX3
FCC ID	QISGLK-LX3
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/DC-HSDPA/ HSPA+(16QAM uplink is not supported) /LTE WLAN 2.4GHz 802.11b/g/n HT20/HT40 Bluetooth BR/EDR/BLE/FM Receiver/GNSS
IMEI Code	Conduction: 867795040010867/867795040015023 Radiation: 867795040010933/867795040015098
HW Version	HL6SEMEM
SW Version	9.1.0.104(C900E103R1P1)

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



1.3. Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band IV : 1712.4 MHz ~ 1752.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz
Rx Frequency	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 IV : 2112.4 MHz ~ 2152.6 MHz WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 7 : 2622.5 MHz ~ 2687.5 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz GNSS : 1559 MHz ~ 1610 MHz FM: 87.5MHz~108MHz
Antenna Type	WWAN : Internal Antenna WLAN : Internal Antenna Bluetooth : Internal Antenna GNSS: Fixed Internal Antenna FM: External Earphone Antenna
Type of Modulation	GSM: GMSK GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA : BPSK (Uplink) HSDPA/DC-HSDPA : QPSK (Uplink) HSUPA : QPSK (Uplink) HSPA+ : 16QAM (16QAM uplink is not supported) DC-HSDPA : 64QAM LTE: QPSK / 16QAM / 64QAM / 256QAM 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 GNSS : BPSK FM



1.4. Modification of EUT

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



1.5. Test Location

Sporton International (Shenzhen) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International (Shenzhen) Inc.		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-SZ	CN1256	421272
Test Firm	Sporton International (Shenzhen) Inc.		
Test Site Location	No. 3 Bldg the third floor of south, Shahe River west, Fengzeyuan Warehouse, Nanshan Shenzhen, 518055 People's Republic of China TEL: +86-755-33202398		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH01-SZ	CN1256	421272



1.6. Applicable Standards

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

- ♦ 47 CFR 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.

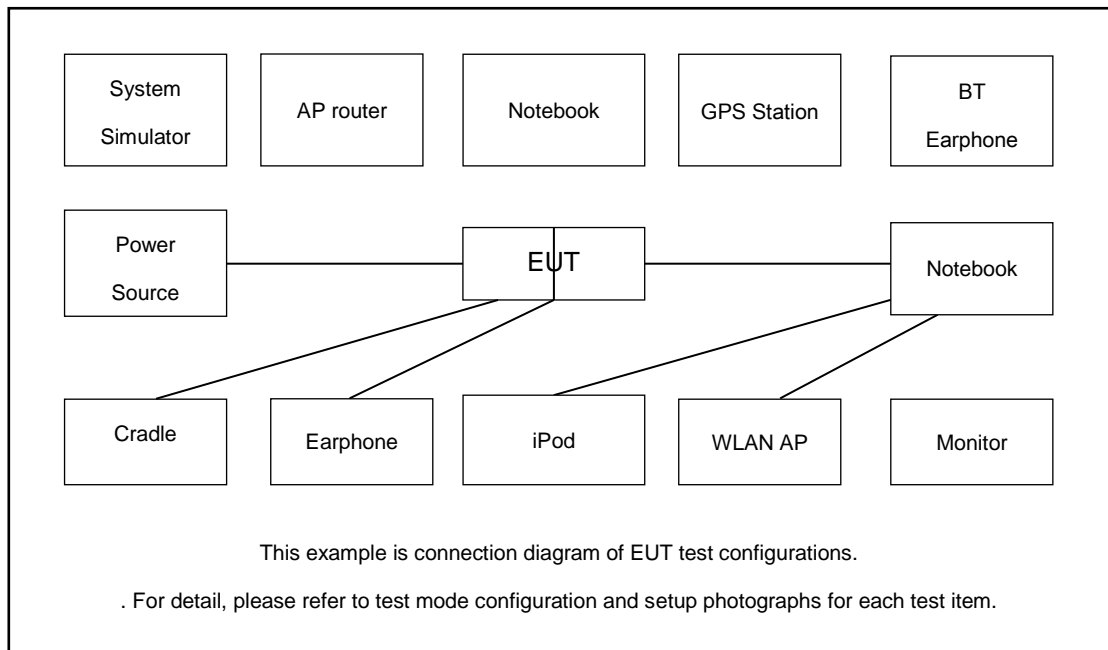
Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

Test Items	Function Type
AC Conducted Emission	Mode 1: GSM 850 Idle + USB Cable1(Charging from Adapter1) + Earphone1 + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) for SIM 1
	Mode 2: PCS 1900 Idle + USB Cable2(Charging from Adapter2) + Earphone2 + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Front) for SIM 1
	Mode 3: WCDMA850 Idle + USB Cable3(Charging from Adapter3) + Earphone3 + Bluetooth Idle + WLAN (2.4G) Idle + Play MPEG4 for SIM 1
	Mode 4: WCDMA1900 Idle + USB Cable4(Charging from Adapter4) + Earphone4 + Bluetooth Idle + WLAN (2.4G) Idle + FM(98MHz)Rx for SIM 1
	Mode 5: WCDMA 1700 Idle + USB Cable5(Charging from Adapter5) + Earphone5 + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX for SIM 1
	Mode 6: LTE Band 2 Idle + USB Cable6(Charging from Adapter6) + Earphone1 + Bluetooth Idle + WLAN (2.4G) Idle + H- Pattan for SIM 1
	Mode 7: LTE Band 4 Idle + USB Cable6(Charging from Adapter7) + Earphone1 + Bluetooth Idle + WLAN (2.4G) Idle + H- Pattan for SIM 1
	Mode 8: LTE Band 5 Idle + USB Cable6(Charging from Adapter8) + Earphone1 + Bluetooth Idle + WLAN (2.4G) Idle + H- Pattan for SIM 1
	Mode 9: LTE Band 7 Idle + USB Cable1(Data Link With Notebook) + Earphone1 + Bluetooth Idle + WLAN (2.4G) Idle + H- Pattan for SIM 1
	Mode 10 : LTE Band 7 Idle + USB Cable2(Data Link With Notebook) + Earphone1 + Bluetooth Idle + WLAN (2.4G) Idle + H- Pattan for SIM 1
	Mode 11 :LTE Band 7 Idle + USB Cable3(Data Link With Notebook) + Earphone1 + Bluetooth Idle + WLAN (2.4G) Idle + H- Pattan for SIM 1
	Mode 12 :LTE Band 7 Idle + USB Cable4(Data Link With Notebook) + Earphone1 + Bluetooth Idle + WLAN (2.4G) Idle + H- Pattan for SIM 1
	Mode 13 :LTE Band 7 Idle + USB Cable5(Data Link With Notebook) + Earphone1 + Bluetooth Idle + WLAN (2.4G) Idle + H- Pattan for SIM 1
	Mode 14 :LTE Band 7 Idle + USB Cable6(Data Link With Notebook) + Earphone1 + Bluetooth Idle + WLAN (2.4G) Idle + H- Pattan for SIM 1



Radiated Emissions	<p>Mode 1: GSM 850 Idle + USB Cable1(Charging from Adapter1) + Earphone1 + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) for SIM 1</p> <p>Mode 2: PCS 1900 Idle + USB Cable2(Charging from Adapter2) + Earphone2 + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Front) for SIM 1</p> <p>Mode 3: WCDMA850 Idle + USB Cable3(Charging from Adapter3) + Earphone3 + Bluetooth Idle + WLAN (2.4G) Idle + Play MPEG4 for SIM 1</p> <p>Mode 4: WCDMA1900 Idle + USB Cable4(Charging from Adapter4) + Earphone4 + Bluetooth Idle + WLAN (2.4G) Idle + FM(98MHz)Rx for SIM 1</p> <p>Mode 5: WCDMA 1700 Idle + USB Cable5(Charging from Adapter5) + Earphone5 + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX for SIM 1</p> <p>Mode 6: LTE Band 2 Idle + USB Cable6(Charging from Adapter6) + Earphone5 + Bluetooth Idle + WLAN (2.4G) Idle + H- Pattan for SIM 1</p> <p>Mode 7: LTE Band 4 Idle + USB Cable5(Charging from Adapter7) + Earphone5 + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX for SIM 1</p> <p>Mode 8: LTE Band 5 Idle + USB Cable5(Charging from Adapter8) + Earphone5 + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX for SIM 1</p> <p>Mode 9: LTE Band 7 Idle + USB Cable1(Data Link With Notebook) + Earphone5 + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX for SIM 1</p> <p>Mode 10 :LTE Band 7 Idle + USB Cable2(Data Link With Notebook) + Earphone5 + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX for SIM 1</p> <p>Mode 11 :LTE Band 7 Idle + USB Cable3(Data Link With Notebook) + Earphone5 + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX for SIM 1</p> <p>Mode 12 :LTE Band 7 Idle + USB Cable4(Data Link With Notebook) + Earphone5 + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX for SIM 1</p> <p>Mode 13 :LTE Band 7 Idle + USB Cable5(Data Link With Notebook) + Earphone5 + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX for SIM 1</p> <p>Mode 14 :LTE Band 7 Idle + USB Cable6(Data Link With Notebook) + Earphone5 + Bluetooth Idle + WLAN (2.4G) Idle + GNSS RX for SIM 1</p>
Remark:	
<ol style="list-style-type: none"> 1. The worst case of AC is mode 6; only the test data of this mode is reported. 2. The worst case of RE is mode 5; only the test data of this mode is reported. 3. Data Link with Notebook means data application transferred mode between EUT and Notebook. 	

2.2.Connection Diagram of Test System



2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	LABS ATGPS Simulator	RACELOGIC	RLLS03-2P	Fcc DoC	N/A	Unshielded,1.8m
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
4.	WLAN AP	Dlink	DIR-820L	KA2IR820LA1	N/A	Unshielded,1.8m
5.	iPod	Apple	MC525 ZP/A	DoC	Shielded, 1.0m	N/A
6.	iPod	apple	MC69029/A	N/A	N/A	N/A
7.	Bluetooth Earphone	Samsung	EO-MG900	CCAH14LP1680T5	N/A	N/A
8.	Bluetooth Earphone	Samsung	EO-MG900	PYAHS-107W	N/A	N/A
9.	FM Base Station	R&S	SMB100A	Fcc DoC	N/A	Shielded, 1.5m
10.	FM Station	R&S	SMB100A	N/A	N/A	Unshielded,1.8m
11.	Notebook	Lenovo	E540	FCC DoC	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m	N/A
12.	Labsat	RACELOGIC	18645	N/A	N/A	Unshielded,1.8m
13.	SD Card	N/A	MicroSD HC	FCC DoC	N/A	N/A



2.4. EUT Operation Test Setup

The EUT was in GSM/WCDMA/LTE idle mode during the testing. The EUT was synchronized to the BCCH, and is 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 camera to capture images.
3. Turn on MPEG4 function.
4. Turn on GNSS function to make the EUT receive continuous signals from GNSS 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.

<Class B Limit>

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.

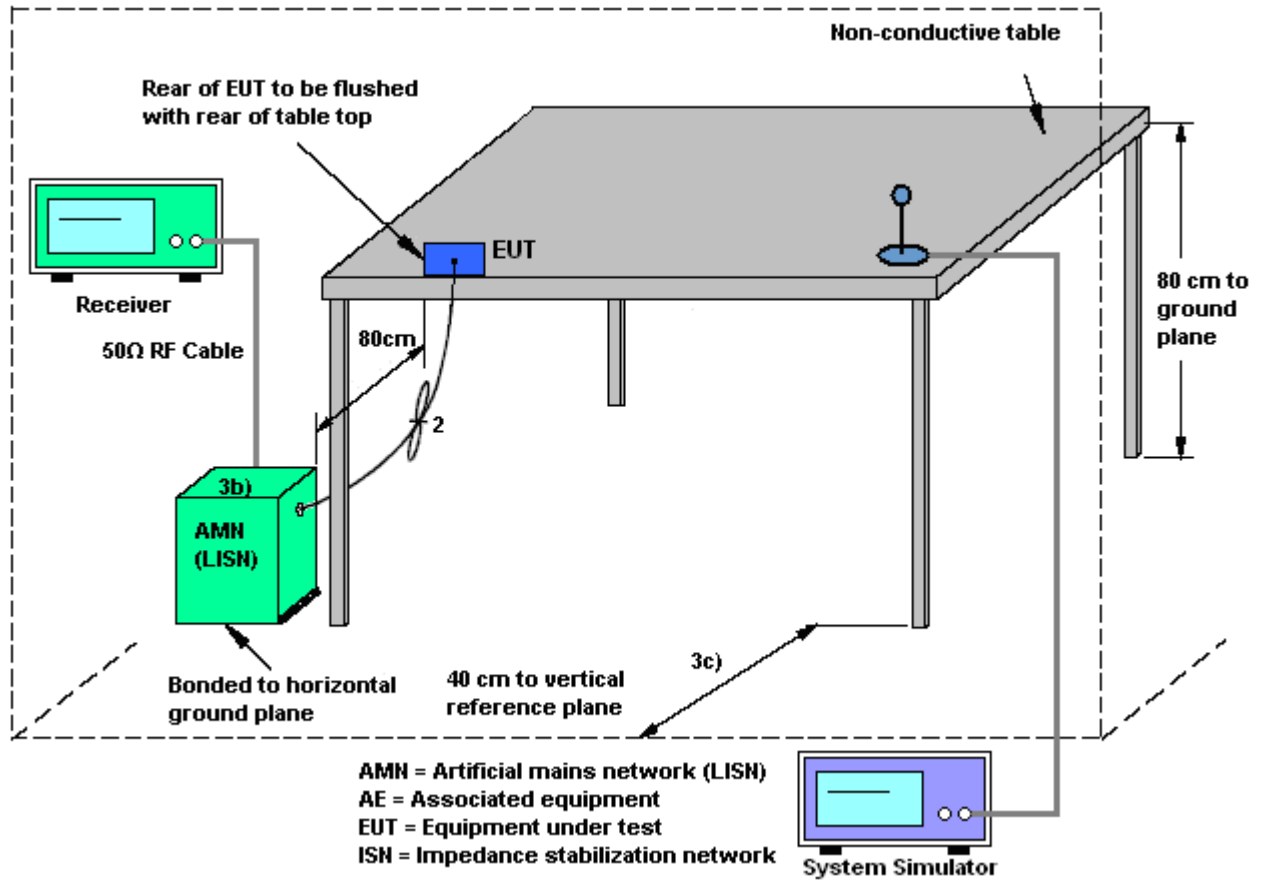
3.1.2 Measuring Instruments

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.

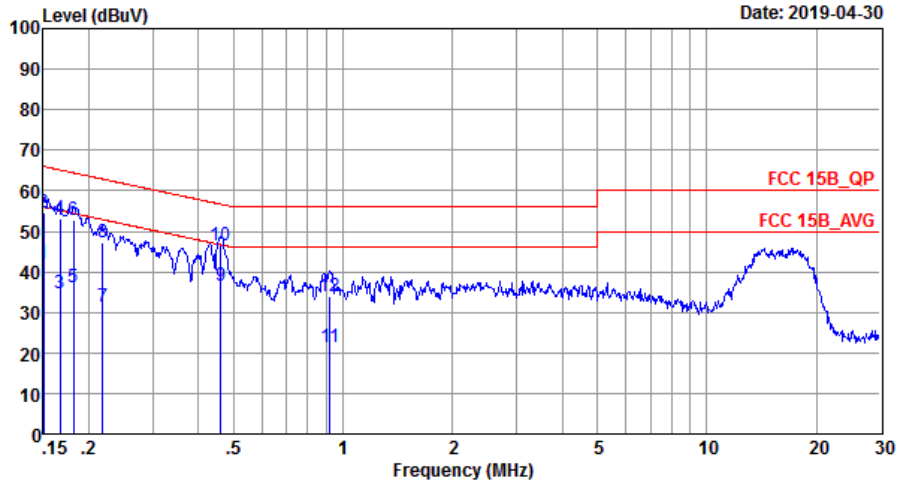
3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test Engineer :	LiuDaLin	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



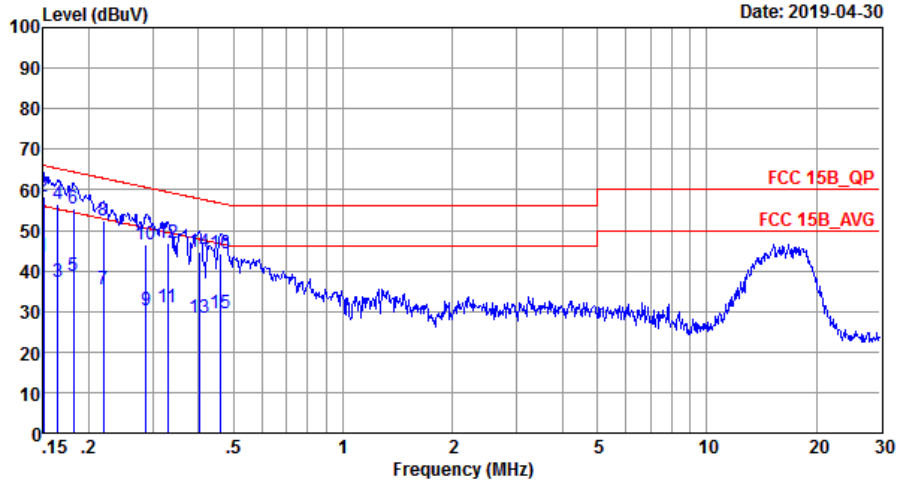
Site : CO01-SZ
 Condition: FCC 15B_QP LISN_20180719_L LINE

IMEI : 867795040010867/867795040015023

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	42.09	-13.91	56.00	31.90	0.03	10.16	Average
2	0.15	54.59	-11.41	66.00	44.40	0.03	10.16	QP
3	0.17	34.79	-20.33	55.12	24.60	0.03	10.16	Average
4	0.17	52.99	-12.13	65.12	42.80	0.03	10.16	QP
5	0.18	36.29	-18.13	54.42	26.10	0.03	10.16	Average
6	0.18	52.59	-11.83	64.42	42.40	0.03	10.16	QP
7	0.22	31.19	-21.69	52.88	21.00	0.03	10.16	Average
8	0.22	47.29	-15.59	62.88	37.10	0.03	10.16	QP
9 *	0.46	36.70	-9.97	46.67	26.51	0.02	10.17	Average
10	0.46	46.60	-10.07	56.67	36.41	0.02	10.17	QP
11	0.92	21.54	-24.46	46.00	11.30	0.06	10.18	Average
12	0.92	33.84	-22.16	56.00	23.60	0.06	10.18	QP



Test Engineer :	LiuDaLin	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
 Condition: FCC 15B_QP LISN_20180719_N NEUTRAL

IMEI : 867795040010867/867795040015023

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	43.59	-12.41	56.00	33.40	0.03	10.16	Average
2 *	0.15	58.39	-7.61	66.00	48.20	0.03	10.16	QP
3	0.16	37.39	-17.86	55.25	27.20	0.03	10.16	Average
4	0.16	56.59	-8.66	65.25	46.40	0.03	10.16	QP
5	0.18	38.79	-15.63	54.42	28.60	0.03	10.16	Average
6	0.18	55.39	-9.03	64.42	45.20	0.03	10.16	QP
7	0.22	35.39	-17.44	52.83	25.20	0.03	10.16	Average
8	0.22	52.49	-10.34	62.83	42.30	0.03	10.16	QP
9	0.29	30.30	-20.29	50.59	20.10	0.03	10.17	Average
10	0.29	46.50	-14.09	60.59	36.30	0.03	10.17	QP
11	0.33	31.10	-18.34	49.44	20.90	0.03	10.17	Average
12	0.33	46.90	-12.54	59.44	36.70	0.03	10.17	QP
13	0.40	28.59	-19.22	47.81	18.40	0.02	10.17	Average
14	0.40	44.49	-13.32	57.81	34.30	0.02	10.17	QP
15	0.46	29.49	-17.18	46.67	19.30	0.02	10.17	Average
16	0.46	44.19	-12.48	56.67	34.00	0.02	10.17	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:

<Class B Limit>

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.

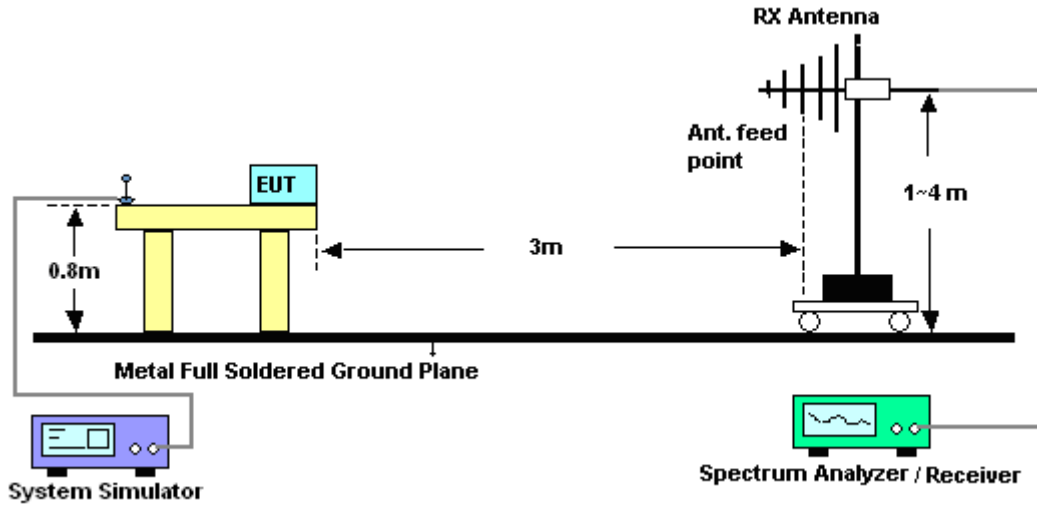


3.2.3. Test Procedures

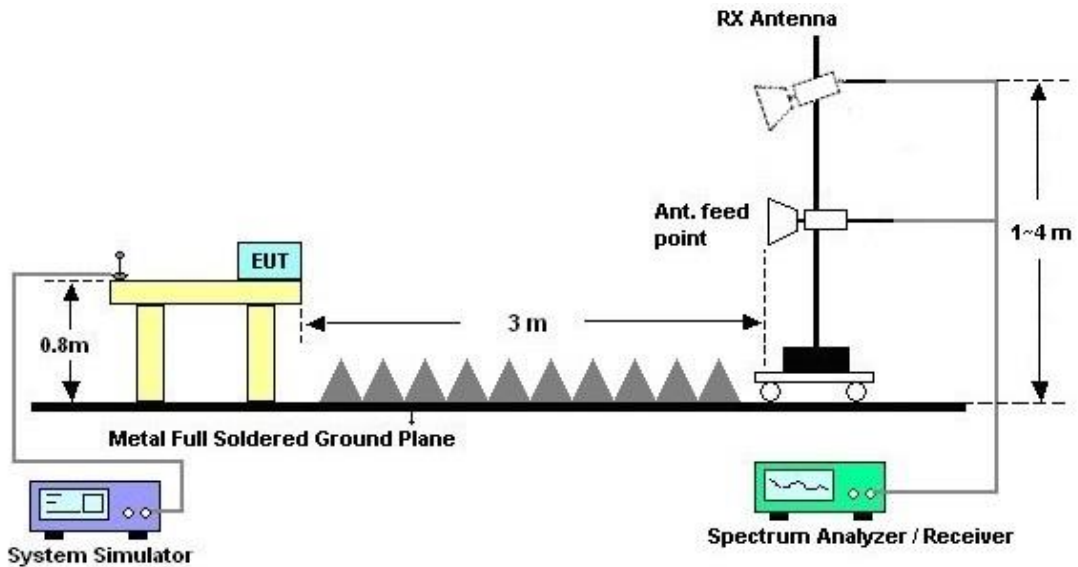
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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 (dB μ V/m) = 20 log Emission level (μ 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



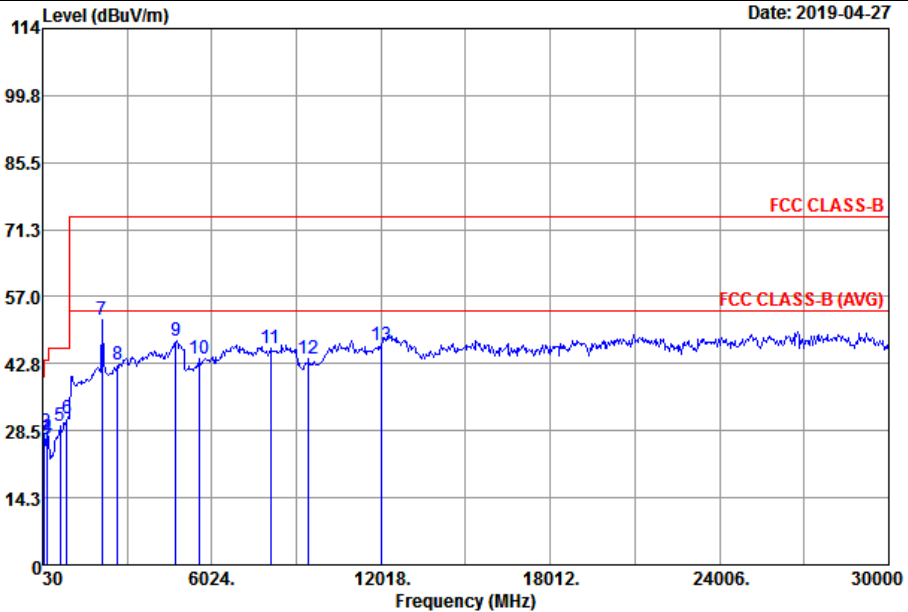
For radiated emissions above 1GHz





3.2.5. Test Result of Radiated Emission

Test Engineer :	Fuquan Wu	Temperature :	24~25°C
		Relative Humidity :	48~49%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#7 is system simulator signal which can be ignored.		

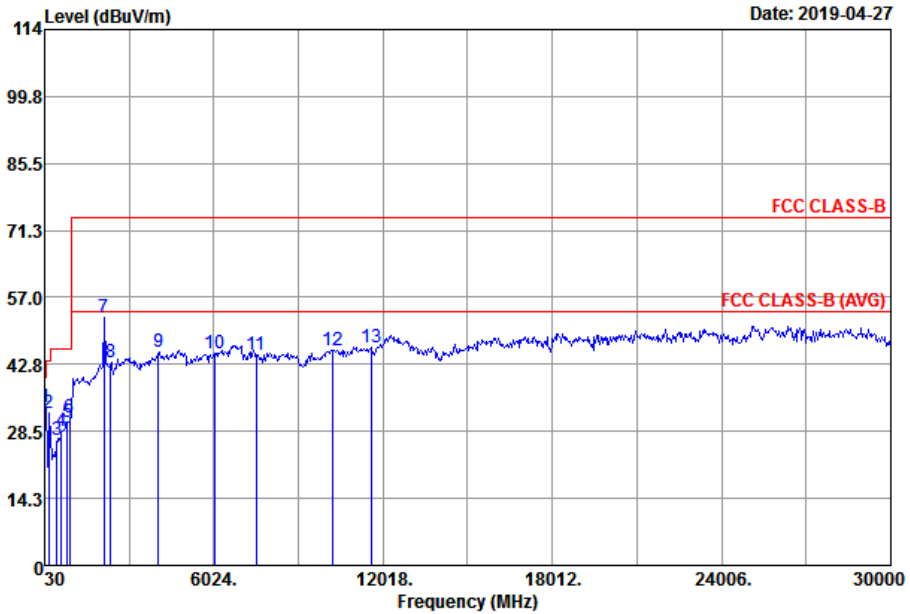


Site : 03CH01-SZ
 Condition : FCC CLASS-B 3m LF_ANT(35408)_6 HORIZONTAL

Plane	: Y											
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		
	1	34.85	24.22	-15.78	40.00	33.22	21.50	1.00	31.50	---	---	Peak
	2	95.96	26.52	-16.98	43.50	40.47	15.90	1.75	31.60	---	---	Peak
	3	174.53	28.32	-15.18	43.50	41.89	15.43	2.35	31.35	---	---	Peak
	4	199.75	27.00	-16.50	43.50	40.18	15.60	2.52	31.30	---	---	Peak
	5	638.19	29.42	-16.58	46.00	31.72	24.65	4.50	31.45	---	---	Peak
	6	890.39	31.03	-14.97	46.00	30.72	26.47	5.32	31.48	100	183	Peak
	7	2132.00	52.02			72.17	31.47	6.29	57.91	---	---	Peak
	8	2676.00	42.71	-31.29	74.00	61.01	32.00	7.23	57.53	---	---	Peak
	9	4760.00	47.55	-26.45	74.00	60.36	33.80	10.82	57.43	100	159	Peak
	10	5572.00	43.67	-30.33	74.00	54.83	34.41	12.03	57.60	---	---	Peak
	11	8100.00	45.90	-28.10	74.00	56.79	35.70	12.59	59.18	---	---	Peak
	12	9422.00	43.95	-30.05	74.00	53.74	36.37	13.01	59.17	---	---	Peak
	13	12020.00	46.78	-27.22	74.00	50.48	38.50	15.01	57.21	---	---	Peak



Test Engineer :	Fuquan Wu	Temperature :	24~25°C
		Relative Humidity :	48~49%
Test Distance :	3m	Polarization :	Vertical
Remark :	#7 is system simulator signal which can be ignored.		



Site : 03CH01-SZ
 Condition : FCC CLASS-B 3m LF ANT(35408) 6 VERTICAL

Plane	: Y										
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	35.82	33.74	-6.26	40.00	43.30	20.92	1.02	31.50	100	194	Peak
2	165.80	32.31	-11.19	43.50	45.60	15.77	2.30	31.36	---	---	Peak
3	467.47	26.68	-19.32	46.00	31.41	22.81	3.85	31.39	---	---	Peak
4	633.34	28.72	-17.28	46.00	31.08	24.63	4.48	31.47	---	---	Peak
5	829.28	30.35	-15.65	46.00	30.28	26.29	5.14	31.36	---	---	Peak
6	918.52	31.55	-14.45	46.00	30.91	26.67	5.40	31.43	---	---	Peak
7	2132.00	52.82			72.97	31.47	6.29	57.91	---	---	Peak
8	2358.00	43.25	-30.75	74.00	62.73	31.54	6.73	57.75	---	---	Peak
9	4068.00	45.42	-28.58	74.00	58.70	33.47	10.20	56.95	---	---	Peak
10	6046.00	45.16	-28.84	74.00	54.92	34.53	13.37	57.66	---	---	Peak
11	7530.00	44.92	-29.08	74.00	55.21	35.79	12.93	59.01	---	---	Peak
12	10244.00	45.87	-28.13	74.00	53.45	36.95	14.59	59.12	---	---	Peak
13	11604.00	46.27	-27.73	74.00	51.12	37.87	14.91	57.63	100	193	Peak



4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESR7	101630	9kHz~7GHz;	Dec. 23, 2018	Apr. 30, 2019	Dec. 22, 2019	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103912	9kHz~30MHz	Oct. 18, 2018	Apr. 30, 2019	Oct. 17, 2019	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Dec. 23, 2018	Apr. 30, 2019	Dec. 22, 2019	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	616020000891	100Vac~250Vac	Jul. 18, 2018	Apr. 30, 2019	Jul. 17, 2019	Conduction (CO01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Aug. 30, 2018	Apr. 27, 2019~Apr. 28, 2019	Aug. 29, 2019	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Jun. 05, 2018	Apr. 27, 2019~Apr. 28, 2019	Jun. 04, 2019	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS Lindgren	3117	119436	1GHz~18GHz	Jun. 28, 2018	Apr. 27, 2019~Apr. 28, 2019	Jun. 27, 2019	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Mar.30, 2019	Apr. 27, 2019~Apr. 28, 2019	Mar.29, 2020	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr.19, 2019	Apr. 27, 2019~Apr. 28, 2019	Apr.18, 2020	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1707137	1GHz~18GHz	Oct.19, 2018	Apr. 27, 2019~Apr. 28, 2019	Oct 18, 2019	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul.17.2018	Apr. 27, 2019~Apr. 28, 2019	Jul.16.2019	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270104	0.5GHz~26.5GHz	Dec.22, 2018	Apr. 27, 2019~Apr. 28, 2019	Dec. 21, 2019	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Apr. 27, 2019~Apr. 28, 2019	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Apr. 27, 2019~Apr. 28, 2019	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Apr. 27, 2019~Apr. 28, 2019	NCR	Radiation (03CH01-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% ($U = 2Uc(y)$)	2.6dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.3 dB
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