# **FCC Test Report**

APPLICANT : Xiaomi Communications Co., Ltd.

EQUIPMENT : Mobile Phone
BRAND NAME : POCOPHONE
MODEL NAME : M1805E10A

FCC ID : 2AFZZ-XMSE10A

STANDARD : FCC CFR Title 47 Part 15 Subpart B

**CLASSIFICATION**: Certification

The product was received on May 08, 2018 and testing was completed on May 31, 2018. 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 C63.4-2014 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 (Kunshan) Inc., the test report shall not be reproduced except in full.

James Huang

Approved by: James Huang / Manager



Report No.: FC850814

### Sporton International (Kunshan) Inc.

No.3-2 Ping-Xiang Rd, Kunshan Development Zone Kunshan City Jiangsu Province 215335 China

Sporton International (Kunshan) Inc.

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### **REVISION HISTORY**

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC850814	Rev. 01	Initial issue of report	Jun. 20, 2018

Sporton International (Kunshan) Inc.

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### **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	10.48 dB at
					15.388 MHz
	45.400		< 15.109 limits	PASS	Under limit
2.0		Dedicted Engineers			4.53 dB at
3.2	15.109	15.109 Radiated Emission			480.08 MHz for
					Quasi-Peak

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### 1. General Description

### 1.1. Applicant

#### Xiaomi Communications Co., Ltd.

The Rainbow City of China Resources, NO.68, Qinghe Middle Street, Haidian District, Beijing, China

**Report No. : FC850814** 

#### 1.2. Manufacturer

#### Xiaomi Communications Co., Ltd.

The Rainbow City of China Resources, NO.68, Qinghe Middle Street, Haidian District, Beijing, China

### 1.3. Product Feature of Equipment Under Test

Product Feature					
Equipment	Mobile Phone				
Brand Name	POCOPHONE				
Model Name	M1805E10A				
FCC ID	2AFZZ-XMSE10A				
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/ DC-HSDPA/HSPA+/LTE WLAN 2.4GHz 802.11b/g/n HT20 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE				
IMEI Code	Conduction: 868703030035737/868703030035745 for sample1 868703030047856/868703030047864 for sample2 Radiation: 868703030035273/868703030035281 for sample1 8687030030047856/8687030030047864 for sample2				
HW Version	P2				
SW Version	MIUI 9				
EUT Stage	Identical Prototype				

#### 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, the difference between two samples is for memory, the sample 1 is 6+64GB capacity and the sample 2 is 6+128GB capacity. According to the difference, we only choose sample 1 to perform full test, and the sample 2 verified the difference with the sample 1.

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# 1.4. 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 II: 1852.4 MHz ~ 1907.6 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 7: 2502.5 MHz ~ 2567.5 MHz LTE Band 38: 2572.5 MHz ~ 2617.5 MHz LTE Band 41: 2537.5 MHz ~ 2652.5 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz 802.11a/n/ac: 5180 MHz ~ 5240 MHz; 5260 MHz ~ 5320 MHz; 5500 MHz ~ 5700 MHz 5745 MHz ~ 5825 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 II: 1932.4 MHz ~ 1987.6 MHz LTE Band 5: 869.7 MHz ~ 893.3 MHz LTE Band 7: 2622.5 MHz ~ 2687.5 MHz LTE Band 38: 2572.5 MHz ~ 2617.5 MHz LTE Band 41: 2537.5 MHz ~ 2652.5 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz 802.11a/n/ac: 5180 MHz ~ 5240 MHz; 5260 MHz ~ 5320 MHz; 5500 MHz ~ 5700 MHz 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz GNSS: 1559 MHz ~ 1610 MHz FM: 87.5~108MHz				
Antenna Type	WWAN: LDS Antenna WLAN Antenna 1: LDS Antenna WLAN Antenna 2: LDS Antenna Bluetooth: LDS Antenna GNSS: LDS Antenna FM: External Headset Antenna				

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Type of Modulation	GSM: GMSK GPRS: 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   DC-HSDPA: 64QAM   LTE: QPSK   16QAM   64QAM   256QAM (Downlink only)   802.11b: DSSS (DBPSK   DQPSK   CCK)   802.11a/g/n/ac: OFDM (BPSK   QPSK   16QAM   64QAM   256QAM)   Bluetooth LE: GFSK   Bluetooth (1Mbps): GFSK   Bluetooth (2Mbps): $\pi$   4-DQPSK   Bluetooth (3Mbps): 8-DPSK   GNSS: BPSK   FM

Note: GNSS=GPS + GLONASS + Beidou + Galileo

### 1.5. Modification of EUT

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

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#### 1.6. Test Location

Sporton International (Kunshan) Inc. is accredited to ISO 17025 by National Voluntary Laboratory Accreditation Program (NVLAP code: 600155-0) and the FCC designation No. is CN5013.

Test Site	Sporton International (Kunshan) Inc.						
Test Site Location	No.3-2 Ping-Xiang Rd, Province 215335 China TEL: +86-512-5790015 FAX: +86-512-5790095	58	Zone Kunshan City Jiangsu				
Test Site No.	Sportor	n Site No. 03CH02-KS	FCC Test Firm Registration No. 630927				

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

### 1.7. Applicable Standards

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

- FCC CFR Title 47 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.

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# 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
	Mode 1: GSM 850 Idle + USB Cable1(Charging from Adapter1) + Earphone + Bluetooth Idle + WLAN Idle(2.4G) + Camera(Rear) + SIM1 for sample1
	Mode 2: GSM 1900 Idle + USB Cable2(Charging from Adapter2) + Earphone + Bluetooth Idle + WLAN Idle(5G) + Camera(Front) + SIM2 for sample1
AC Conducted	Mode 3: WCDMA Band V Idle + USB Cable1(Charging from Adapter1) + Earphone + Bluetooth Idle + WLAN Idle(2.4G) + MPEG4 + SIM1 for sample1
Emission	Mode 4: LTE Band 5 Idle + USB Cable1(Data Link with Notebook) + Earphone + Bluetooth Idle + WLAN Idle(5G) + GNSS Rx + SIM1 for sample1
	Mode 5: LTE Band 7 Idle + USB Cable2(Data Link with Notebook) + Earphone + Bluetooth Idle + WLAN Idle(2.4G) + GNSS Rx + SIM1 for sample1
	Mode 6: USB Cable1(Charging from Adapter1 + FM Rx(98MHz) for sample1
	Mode 7: LTE Band 5 Idle + USB Cable1(Data Link with Notebook) + Earphone + Bluetooth Idle + WLAN Idle(5G) + GNSS Rx + SIM1 for sample2
	Mode 1: GSM 850 Idle + USB Cable1(Charging from Adapter1) + Bluetooth Idle + WLAN Idle(2.4G) + Camera(Rear) + SIM1 for sample1
	Mode 2: GSM 1900 Idle + USB Cable2(Charging from Adapter2) + Bluetooth Idle + WLAN Idle(5G) + Camera(Front) + SIM2 for sample1
	Mode 3: WCDMA Band V Idle + USB Cable2(Charging from Adapter2) + Bluetooth Idle + WLAN Idle(2.4G) + MPEG4 + SIM1 for sample1
Radiated Emissions	Mode 4: LTE Band 5 Idle + GNSS Rx + Bluetooth Idle + WLAN Idle(5G) + USB Cable1(Data Link with Notebook) + SIM1 for sample1
	Mode 5: LTE Band 7 Idle + GNSS Rx + Bluetooth Idle + WLAN Idle(2.4G) + USB Cable2(Data Link with Notebook) + SIM1 for sample1
	Mode 6: USB Cable2(Charging from Adapter2 + FM Rx(98MHz) + Earphone for sample1
	Mode 7:: LTE Band 5 Idle + GNSS Rx + Bluetooth Idle + WLAN Idle(5G) + USB Cable1(Data Link with Notebook) + SIM1 for sample2

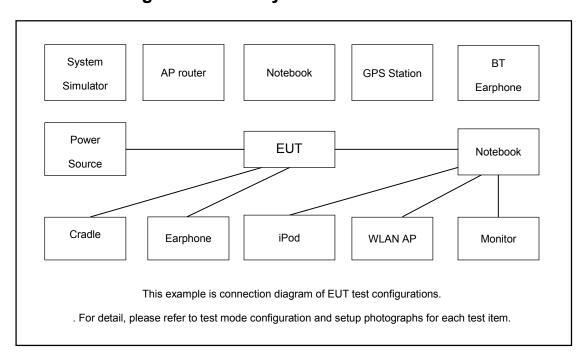
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#### Remark:

- 1. The worst case of AC is mode 1; only the test data of this mode is reported.
- **2.** The worst case of RE is mode 7; 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



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

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord	
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m	
2.	Notebook	Lenovo	G480	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m	
3.	Notebook	Dell	Latitude3440	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m	
4.	Bluetooth Earphone	Xiaomi	LYEJ02LM	N/A	N/A	N/A	
5.	WLAN AP	D-link	DIR-855	KA2DIR855A2	N/A	Unshielded,1.8m	
6.	WLAN AP	TP-LINK	TL-WDR5600	N/A	N/A	Unshielded,1.8m	
7.	iPod	Apple	A1199	Fcc DoC	Shielded, 1.2m	N/A	
8.	Vector Signal Generator	R&S	SMBV100A	258305	N/A	N/A	
9.	SD Card	Kingston	8GB	N/A	N/A	N/A	
10.	SD Card	SanDisk	Uitra	N/A	N/A	N/A	
11.	Earphone	Xiaomi	YDJC01JY	N/A	Unshielded,1.33m	N/A	

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### 2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA or 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 GNSS function to make the EUT receive continuous signals from GNSS station
- 3. Turn on FM receiver function to make the EUT receive continuous signals from FM station
- 4. Execute "Video player" to play MPEG4 files.
- 5. Turn on camera to capture images.

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#### 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	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

<sup>\*</sup>Decreases with the logarithm of the frequency.

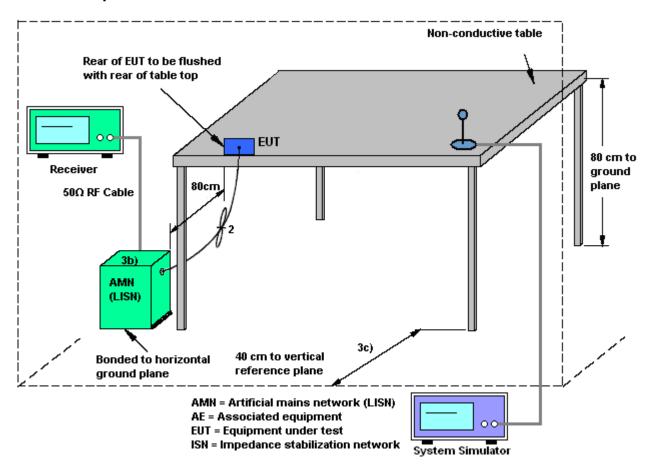
#### 3.1.2 Measuring Instruments

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.

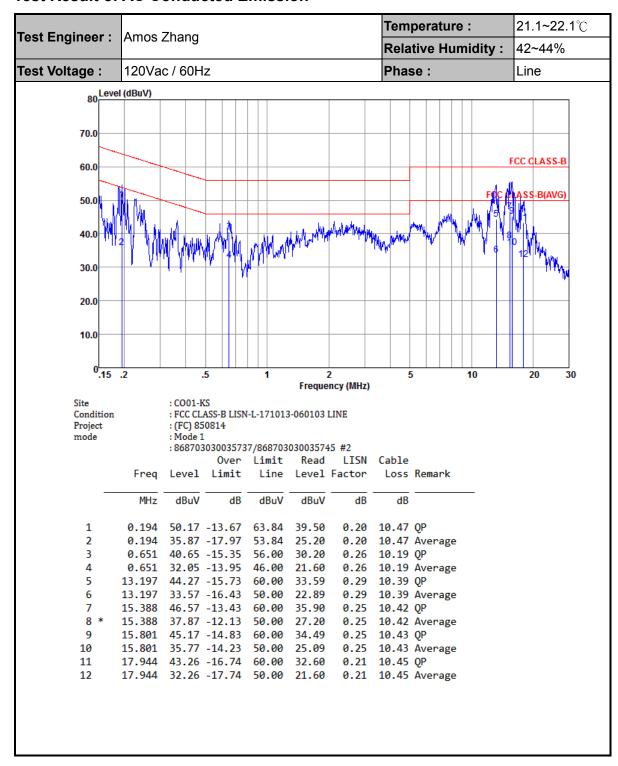
#### 3.1.4 Test Setup



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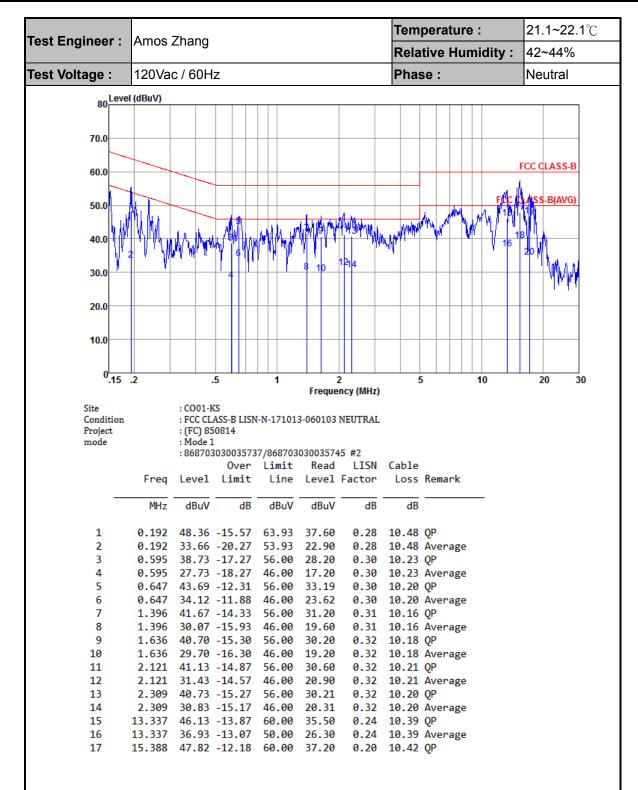
#### 3.1.5 Test Result of AC Conducted Emission



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Temperature: 21.1~22.1℃ Test Engineer : Amos Zhang Relative Humidity: 42~44% Test Voltage: 120Vac / 60Hz Phase: Neutral 80 Level (dBuV) 70.0 FCC CLASS-B 60.0 50.0 40.0 30.0 20.0 10.0 5 10 20 Frequency (MHz) : CO01-KS Condition : FCC CLASS-B LISN-N-171013-060103 NEUTRAL Project : (FC) 850814 mode :868703030035737/868703030035745 #2 LISN Cable Over Limit Read Line Level Factor Loss Remark MHz dBuV dB dBuV dBuV dB dB 18 \* 15.388 39.52 -10.48 50.00 28.90 0.20 10.42 Average 19 17.199 46.91 -13.09 60.00 36.31 0.16 10.44 QP 20 17.199 34.51 -15.49 50.00 23.91 0.16 10.44 Average

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### 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	Field Strength	Measurement Distance		
(MHz)	(microvolts/meter)	(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.

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#### 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 $\mu$ V/m) = 20 log Emission level ( $\mu$ V/m)
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level

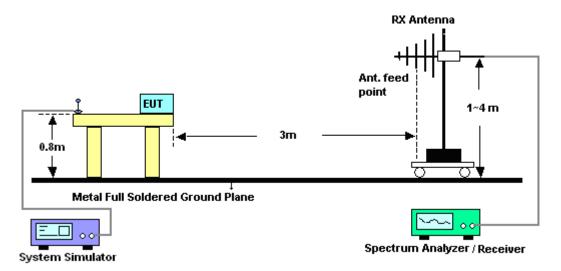
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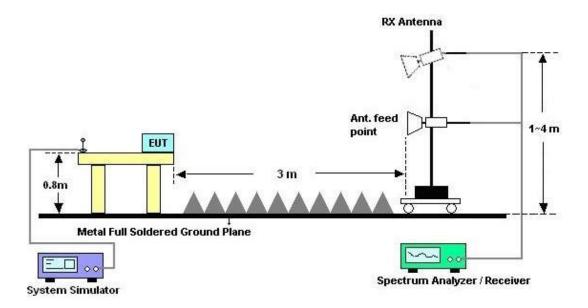
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### 3.2.4. Test Setup of Radiated Emission

#### For radiated emissions from 30MHz to 1GHz



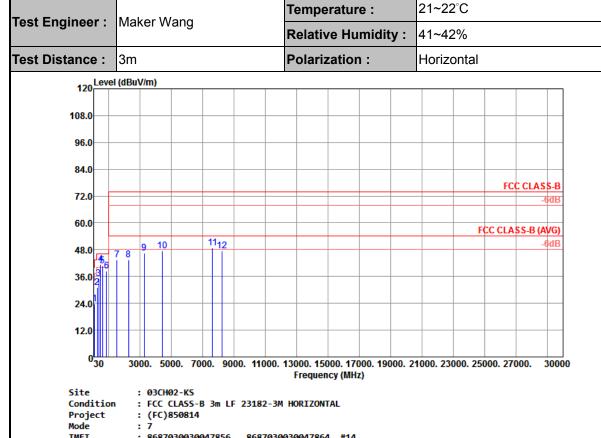
#### For radiated emissions above 1GHz



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#### 3.2.5. Test Result of Radiated Emission



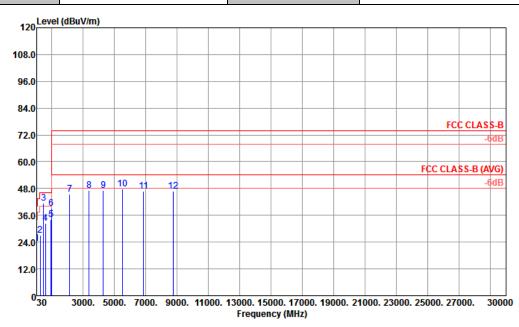
IMEI : 8687030030047856 8687030030047864 #14

	_		0ver			Antenna			A/Pos	T/Pos	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	84.32	23.90	-16.10	40.00	41.16	13.84	0.95	32.05			Peak
2	254.07	31.08	-14.92	46.00	42.11	18.73	1.76	31.52			Peak
3	344.28	35.26	-10.74	46.00	44.12	20.16	1.91	30.93			Peak
4!	480.08	41.47	-4.53	46.00	46.69	22.88	2.30	30.40	100	139	QP
5!	595.60	40.86	-5.14	46.00	43.68	24.25	2.62	29.69			Peak
6	862.26	38.31	-7.69	46.00	36.90	26.17	3.06	27.82			Peak
7	1512.00	43.61	-30.39	74.00	48.06	28.85	4.05	37.35			Peak
8	2256.00	43.39	-30.61	74.00	44.04	31.08	4.99	36.72			Peak
9	3264.00	46.35	-27.65	74.00	43.58	33.19	6.23	36.65			Peak
10	4432.00	47.48	-26.52	74.00	41.34	35.79	7.20	36.85			Peak
11	7616.00	48.68	-25.32	74.00	40.34	35.88	9.53	37.07			Peak
12	8224.00	47.53	-26.47	74.00	39.57	35.28	9.97	37.29			Peak

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21~22°C Temperature : Test Engineer : Maker Wang **Relative Humidity:** 41~42% Test Distance : 3m Polarization: Vertical



Site : 03CH02-K5

Condition : FCC CLASS-B 3m LF 23182-3M VERTICAL

: (FC)850814 : 7 Project

Mode

: 8687030030047856 8687030030047864 #14 IMEI

	F	11	0ver	Limit		Antenna			A/Pos	T/Pos	Dame of
	Freq	Level	Limit	Line	rever	Factor	LOSS	Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	32.91	23.44	-16.56	40.00	32.08	22.79	0.61	32.04			Peak
2	254.07	26.94	-19.06	46.00	37.97	18.73	1.76	31.52			Peak
3!	480.08	41.38	-4.62	46.00	46.60	22.88	2.30	30.40	100	0	Peak
4	600.36	32.53	-13.47	46.00	35.27	24.30	2.62	29.66			Peak
5	949.56	34.06	-11.94	46.00	31.06	26.94	3.20	27.14			Peak
6	959.60	38.96	-7.04	46.00	35.79	27.05	3.21	27.09			Peak
7	2144.00	45.29	-28.71	74.00	46.40	30.77	4.86	36.74			Peak
8	3384.00	47.16	-26.84	74.00	43.92	33.35	6.27	36.38			Peak
9	4288.00	47.19	-26.81	74.00	41.25	35.56	7.23	36.85			Peak
10	5496.00	47.67	-26.33	74.00	41.30	35.12	7.94	36.69			Peak
11	6864.00	46.94	-27.06	74.00	39.28	35.34	9.01	36.69			Peak
12	8760.00	46.91	-27.09	74.00	38.92	35.25	10.24	37.50			Peak

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# 4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 19, 2018	May 30, 2018	Apr. 18, 2019	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 13, 2017	May 30, 2018	Oct. 12, 2018	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Oct. 13, 2017	May 30, 2018	Oct. 12, 2018	Conduction (CO01-KS)
AC Power	Chroma	61602	ABP0000008	AC 0V~300V,	Oct. 12, 2017	May 30, 2018	Oct. 11, 2018	Conduction (CO01-KS)
Source			11	45Hz~1000Hz	Oct. 12, 2017			
Transient limiter	COM-POWER	LIT-153	531040	150kHz~30MHz	Aug. 25, 2017	May 30, 2018	Aug. 24, 2018	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Ma x 30dBm	Aug. 08, 2017	May 31, 2018	Aug. 07, 2018	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz-44G,MAX 30dB	Apr. 17, 2018	May 31, 2018	Apr. 16, 2019	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	23182	30MHz-2GHz	Jan. 29, 2018	May 31, 2018	Jan. 28, 2019	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Oct. 21, 2017	May 31, 2018	Oct. 20, 2018	Radiation (03CH02-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA170249	15GHz~40GHz	Feb. 07, 2018	May 31, 2018	Feb. 06, 2019	Radiation (03CH02-KS)
Amplifier	MITEQ	TTA1840-35-H G	1887435	18~40GHz	Oct. 12, 2017	May 31, 2018	Oct. 11, 2018	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Aug. 07, 2017	May 31, 2018	Aug. 06, 2018	Radiation (03CH02-KS)
Amplifier	Agilent	8449B	3008A02384	1-26.5GHz Gain 30dB	Oct. 12, 2017	May 31, 2018	Oct. 11, 2018	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	61601000247 3	N/A	NCR	May 31, 2018	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	May 31, 2018	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	May 31, 2018	NCR	Radiation (03CH02-KS)

NCR: No Calibration Required

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# 5. Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence	2.9 dB
of 95% (U = 2Uc(y))	2.9 UD

#### <u>Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)</u>

Measuring Uncertainty for a Level of Confidence	4.2 dB
of 95% (U = 2Uc(y))	4.2 UB

#### <u>Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)</u>

Measuring Uncertainty for a Level of Confidence	5.0 dB
of 95% (U = 2Uc(y))	3.0 UB

#### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence	4.7 dB
of 95% (U = 2Uc(y))	4.7 UB

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