FCC Test Report

APPLICANT : Xiaomi Communications Co., Ltd.

EQUIPMENT: Mobile Phone

BRAND NAME : Redmi

MODEL NAME : M1901F7H

FCC ID : 2AFZZ-RMSF7H

STANDARD : 47 CFR Part 15 Subpart B

CLASSIFICATION: Certification

The product was received on Oct. 23, 2018 and testing was completed on Dec. 25, 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.



Approved by: James Huang / Manager



Sporton International (Kunshan) Inc.

No. 1098, Pengxi North Road, Kunshan Economic Development Zone, Jiangsu Province 215335, China

Sporton International (Kunshan) Inc.

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC8O2308-01	Rev. 01	Initial issue of report	Jan. 23, 2019

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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	5.60 dB at	
					0.162 MHz	
					Under limit	
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	3.27 dB at	
					44.550 MHz	

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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

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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	Redmi
Model Name	M1901F7H
FCC ID	2AFZZ-RMSF7H
	GSM/GPRS/EGPRS/WCDMA/HSPA/
	DC-HSDPA/HSPA+/LTE
ELIT cumparts Dadies application	WLAN 2.4GHz 802.11b/g/n HT20
EUT supports Radios application	WLAN 5GHz 802.11a/n HT20/HT40
	WLAN 5GHz 802.11ac VHT20/VHT40/VHT80
	Bluetooth BR/EDR/LE
	Conduction: 867325040014675/867325040018718
IMEI Code	Radiation: 867325040014675/867325040018718
	867325040017041/867325040021084
HW Version	P2
SW Version	MIUI10
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 samples under test, the difference of two samples is for memory: the sample 1 is 4+64GB capacity and the sample 2 is 3+32GB capacity. According to the difference, sample 1 perform full test, and sample 2 verify the difference for Radiated Emission test item.

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1.4. Product Specification of Equipment Under Test

Standards-related Product Specification				
Standards	GSM850: 824.2 MHz ~ 848.8 MHz			
	GSM1900: 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			
Tx Frequency	LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz			
	LTE Band 38 : 2572.5 MHz ~ 2617.5 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 ~ 5805 MHz			
	Bluetooth: 2402 MHz ~ 2480 MHz			
	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 ~ 691.6 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			
Rx Frequency	LTE Band 7 : 2622.5 MHz ~ 2687.5 MHz			
	LTE Band 38: 2572.5 MHz ~ 2617.5 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 ~ 5805 MHz			
	Bluetooth: 2402 MHz ~ 2480 MHz			
	GNSS: 1559 MHz ~ 1610 MHz			
	FM: 88MHz~108MHz			
	WWAN : Fixed Internal Antenna			
	WLAN : Fixed Internal Antenna			
Antenna Type	Bluetooth : Fixed Internal Antenna			
Altolilla Type	GNSS: Fixed Internal Antenna			
	FM: External Headset Antenna			
	GSM: GMSK			
	GPRS: GMSK			
	EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK			
	WCDMA: BPSK (Uplink)			
	HSDPA/DC-HSDPA: QPSK (Uplink)			
Type of Modulation	HSUPA: QPSK (Uplink)			
Type of Modulation	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			

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/256QAM)
Bluetooth LE : GFSK
Bluetooth (1Mbps) : GFSK
Bluetooth (2Mbps) : π /4-DQPSK
Bluetooth (3Mbps) : 8-DPSK
GNSS: BPSK

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GNSS Rx = GPS Rx + Glonass Rx + Beidou Rx + Galileo Rx + SBAS Rx

1.5. Modification of EUT

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

1.6. Test Location

Sporton International (Kunshan) Inc. is accredited to ISO 17025 by National Voluntary Laboratory Accreditation Program (NVLAP code: 600155-0).

Test Site	Sporton International (Kunshan) Inc.						
	No. 1098, Pengxi North	Road, Kunshan Econom	ic Development Zone,				
Test Site Location	Jiangsu Province 215335, China						
rest Site Location	TEL: 86-512-57900158						
	FAX: 86-512-57900958						
	Sporton Site No.	FCC designation No.	FCC Test Firm Registration No.				
Test Site No.	CO01-KS	CN5013	630927				
	03CH02-KS	CN3013					

1.7. 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.

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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 + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Earphone + USB Cable 1 (Charging from Adapter 1)+ SIM 1 for Sample 1
	Mode 2: PCS1900 Idle + Bluetooth Idle + WLAN (5G) Idle + Camera(Front) + Earphone + USB Cable 2 (Charging from Adapter 2)+ SIM 2 for Sample 1
AC Conducted	Mode 3: WCDMA850 V Idle + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Earphone + USB Cable 2 (Charging from Adapter 2)+ SIM 1 for Sample 1
Emission	Mode 4: LTE Band 4 Idle + Earphone + Bluetooth Idle + WLAN (5G) Idle + FM Rx(98MHz) + USB Cable 2(Charging from Adapter 2) + SIM 2 for Sample 1
	Mode 5: LTE Band 2 Idle + Earphone + Bluetooth Idle + WLAN (2.4G) Idle + GNSS Rx + USB Cable 1(Data Link with Notebook) + SIM 1 for Sample 1
	Mode 6: LTE Band 7 Idle + Earphone + Bluetooth Idle + WLAN (5G) Idle + GPS RX + USB Cable 2(Data Link with Notebook) + SIM 2 for Sample 1
	Mode 1: GSM850 Idle + Earphone + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + USB Cable 1(Charging from Adapter 1) + SIM 1 for Sample 1
	Mode 2: PCS1900 Idle + Earphone + Bluetooth Idle + WLAN (5G) Idle + Camera(Front) + USB Cable 2 (Charging from Adapter 2) + SIM 2 for Sample 1
	Mode 3: WCDMA Band V Idle + Earphone + Bluetooth Idle + WLAN (2.4G) Idle + MPEG4 + USB Cable 2(Charging from Adapter 2) + SIM 1 for Sample 1
Radiated Emissions	Mode 4: LTE Band 4 Idle + Bluetooth Idle + WLAN (5G) Idle + FM Rx(98MHz) + Earphone + USB Cable 2(Charging from Adapter 2)+ SIM 2 for Sample1
	Mode 5: LTE Band 2 Idle + Earphone + Bluetooth Idle + WLAN (2.4G) Idle + GNSS Rx + USB Cable 1(Data Link with Notebook) + SIM 1 for Sample 1
	Mode 6: LTE Band 7 Idle + Earphone + Bluetooth Idle + WLAN (5G) Idle + GPS RX + USB Cable 2(Data Link with Notebook) + SIM 2 for Sample 1
	Mode 7: LTE Band 4 Idle + Bluetooth Idle + WLAN (5G) Idle + FM Rx(98MHz) + Earphone + USB Cable 2(Charging from Adapter 2)+ SIM 2 for Sample 2

Remark:

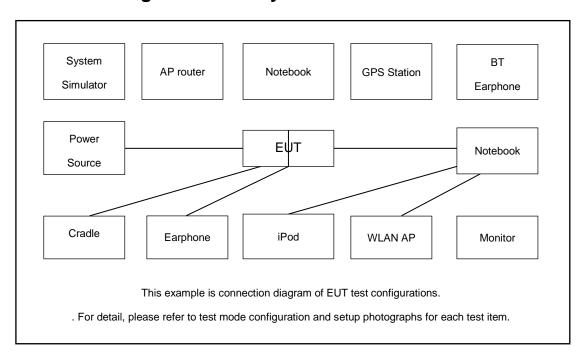
- 1. The worst case of AC is mode 2; only the test data of this mode is reported.
- 2. The worst case of RE is mode 7; only the test data of this mode is reported.

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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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	Vector Signal Generator	R&S	SMBV100A	258305	N/A	N/A
3.	WLAN AP	TP-LINK	TL-WDR5600	N/A	N/A	Unshielded,1.8m
4.	WLAN AP	D-Link	DIR-855	KA2DIR855A2	N/A	Unshielded,1.8m
5.	Bluetooth Earphone	Xiaomi	LYEJ02LM	N/A	N/A	N/A
6.	Notebook	Lenovo	G480	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
7.	SD Card	Kingston	8GB	N/A	N/A	N/A
8.	SD Card	SanDisk	Uitra	N/A	N/A	N/A
9.	Earphone	Lenovo	SH100	N/A	Unshielded,1.2m	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 camera to capture images.
- 4. Turn on MPEG4 function.
- 5. Turn on FM receiver function to make the EUT receive continuous signals from FM station

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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			

^{*}Decreases with the logarithm of the frequency.

3.1.2 Measuring Instruments

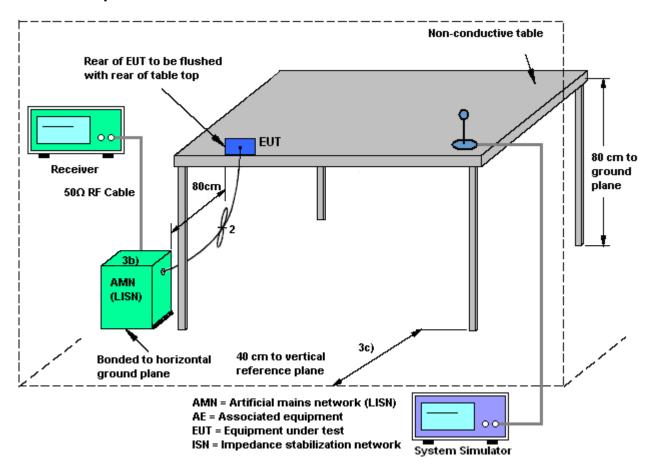
The measuring equipment is listed in the section 4 of this test report.

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.

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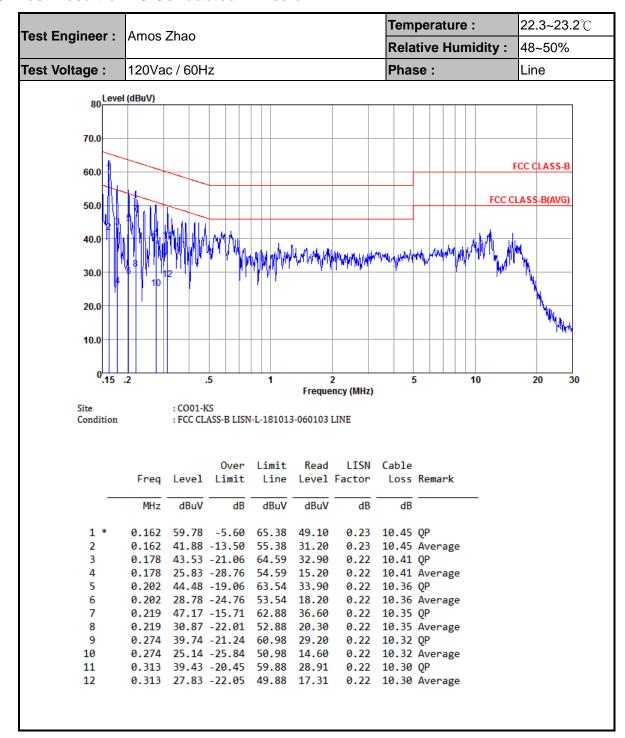
3.1.4 Test Setup



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3.1.5 Test Result of AC Conducted Emission



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22.3~23.2℃ Temperature: Test Engineer: Amos Zhao Relative Humidity: 48~50% Test Voltage: 120Vac / 60Hz Phase: Neutral 80 Level (dBuV) 70.0 FCC CLASS-B 60.0 FCC CLASS-B(AVG) 50.0 40.0 30.0 20.0 10.0 Frequency (MHz) Site : CO01-KS Condition : FCC CLASS-B LISN-N-181013-060103 NEUTRAL LISN Cable Over Limit Read Freq Level Limit Line Level Factor Loss Remark dBuV dBuV dB MHz dBuV dB dB 0.158 56.77 -8.79 65.56 46.10 0.21 10.46 QP 0.158 37.97 -17.59 55.56 27.30 0.21 10.46 Average 3 0.162 55.75 -9.59 65.34 45.09 0.21 10.45 QP 0.162 37.85 -17.49 55.34 27.19 0.21 10.45 Average 0.169 45.14 -19.89 65.03 34.50 0.21 10.43 QP 0.169 28.94 -26.09 55.03 18.30 0.21 10.43 Average 0.20 10.35 QP

7

8

9

10

0.219 45.15 -17.73 62.88 34.60

0.219 28.05 -24.83 52.88 17.50

0.269 43.72 -17.44 61.16 33.20

0.269 26.02 -25.14 51.16 15.50 0.20 10.32 Average

0.323 40.69 -18.93 59.62 30.20 0.19 10.30 QP 0.323 27.59 -22.03 49.62 17.10 0.19 10.30 Average

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0.20 10.35 Average

0.20 10.32 QP

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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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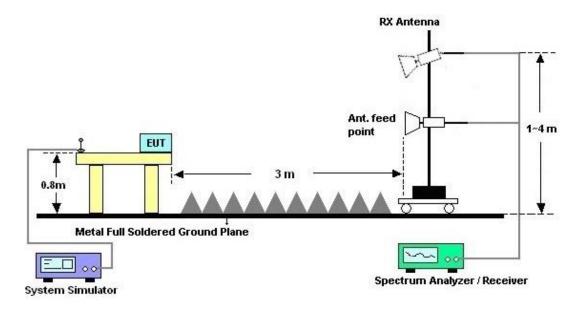
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3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

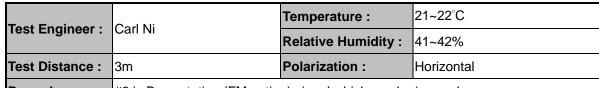


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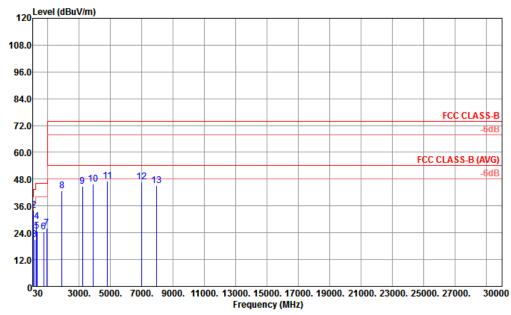
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3.2.5. Test Result of Radiated Emission



Remark: #2 is Base station (FM option) signal which can be ignored.



Site : 03CH02-KS

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

			0ver	Limit	Read	Antenna	Cable	Preamp	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	43.58	20.57	-19.43	40.00	34.83	16.98	0.71	31.95			Peak
2	97.90	34.23			48.52	16.62	1.02	31.93			Peak
3	160.95	21.12	-22.38	43.50	35.98	15.77	1.30	31.93			Peak
4	274.44	28.91	-17.09	46.00	40.28	18.87	1.78	32.02	100	0	Peak
5	307.42	24.58	-21.42	46.00	35.56	19.20	1.83	32.01			Peak
6	729.37	24.41	-21.59	46.00	29.05	24.95	2.70	32.29			Peak
7	922.40	26.01	-19.99	46.00	27.55	26.65	3.06	31.25			Peak
8	1904.00	42.83	-31.17	74.00	45.60	29.61	4.42	36.80			Peak
9	3208.00	44.84	-29.16	74.00	42.43	33.12	6.11	36.82			Peak
10	3912.00	45.67	-28.33	74.00	40.78	34.95	6.58	36.64			Peak
11	4800.00	46.97	-27.03	74.00	39.98	35.66	8.09	36.76			Peak
12	6984.00	46.66	-27.34	74.00	38.68	35.66	9.11	36.79			Peak
13	7960.00	45.28	-28.72	74.00	37.44	35.55	9.49	37.20			Peak

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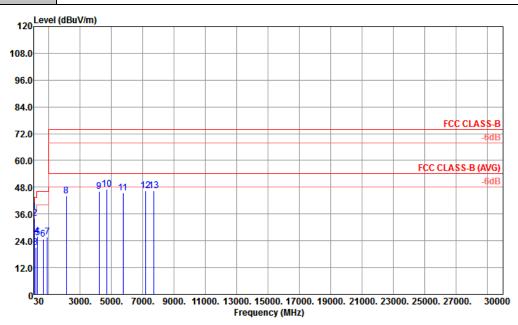
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 Test Engineer :
 Carl Ni
 Temperature :
 21~22°C

 Relative Humidity :
 41~42%

 Test Distance :
 3m
 Polarization :
 Vertical

Remark: #2 is Base station (FM option) signal which can be ignored.



Site : 03CH02-KS

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

	F	1	0ver					Preamp	A/Pos	T/Pos	DI-
	Freq	Level	Limit	Line	rever	Factor	LOSS	Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	CM	deg	
1	44.55	36.73	-3.27	40.00	51.42	16.53	0.72	31.94	100	0	Peak
2	97.90	34.19			48.48	16.62	1.02	31.93			Peak
3	160.95	20.89	-22.61	43.50	35.75	15.77	1.30	31.93			Peak
4	261.83	25.92	-20.08	46.00	36.91	19.24	1.76	31.99			Peak
5	274.44	25.30	-20.70	46.00	36.67	18.87	1.78	32.02			Peak
6	631.40	24.88	-21.12	46.00	30.30	24.39	2.57	32.38			Peak
7	891.36	25.80	-20.20	46.00	27.96	26.35	3.01	31.52			Peak
8	2104.00	44.08	-29.92	74.00	45.51	30.65	4.66	36.74			Peak
9	4200.00	46.11	-27.89	74.00	40.13	35.43	7.40	36.85			Peak
10	4712.00	46.99	-27.01	74.00	40.06	35.74	7.98	36.79			Peak
11	5744.00	45.59	-28.41	74.00	39.33	34.91	8.20	36.85			Peak
12	7192.00	46.48	-27.52	74.00	38.46	35.81	9.10	36.89			Peak
13	7680.00	46.48	-27.52	74.00	38.37	35.82	9.39	37.10			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	Dec. 25, 2018	Apr. 18, 2019	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 12, 2018	Dec. 25, 2018	Oct. 11, 2019	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Nov. 19, 2018	Dec. 25, 2018	Nov. 18, 2019	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 12, 2018	Dec. 25, 2018	Oct. 11, 2019	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Ma x 30dBm	Aug. 06, 2018	Dec. 19, 2018	Aug. 05, 2019	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz-44G,MAX 30dB	Apr. 17, 2018	Dec. 19, 2018	Apr. 16, 2019	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	23182	30MHz-2GHz	Jan. 29, 2018	Dec. 19, 2018	Jan. 28, 2019	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75959	1GHz~18GHz	Jan. 21, 2018	Dec. 19, 2018	Jan. 20, 2019	Radiation (03CH02-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA170249	15GHz~40GHz	Feb. 07, 2018	Dec. 19, 2018	Feb. 06, 2019	Radiation (03CH02-KS)
Amplifier	MITEQ	TTA1840-35-H G	1887435	18~40GHz	Feb. 08, 2018	Dec. 19, 2018	Feb. 07, 2019	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Aug. 06, 2018	Dec. 19, 2018	Aug. 05, 2019	Radiation (03CH02-KS)
Amplifier	Keysight	83017A	MY53270203	500MHz~26.5G Hz	Apr. 18, 2018	Dec. 19, 2018	Apr. 17, 2019	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	61601000247 3	N/A	NCR	Dec. 19, 2018	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Dec. 19, 2018	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Dec. 19, 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

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

Measuring Uncertainty for a Level of Confidence	4040	
of 95% (U = 2Uc(y))	4.8 dB	

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence	5.2 dB
of 95% (U = 2Uc(y))	5.2 UB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence	E O AD
of 95% (U = 2Uc(y))	5.0 dB

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