

Report No.: HR/2020/B000706-01  
Page: 1 of 22

## **TEST REPORT**

**Application No:**

HR/2020/B0007

**Applicant:**

Honor Device Co., Ltd.

**Address of Applicant**

Suite 3401, Unit A, Building 6, Shum Yip Sky Park, No. 8089, Hongli West Road, Xiangmihu Street, Futian District, Shenzhen, Guangdong 518040, People's Republic of China

**Manufacturer:**

Honor Device Co., Ltd.

**Address of Manufacturer:**

Suite 3401, Unit A, Building 6, Shum Yip Sky Park, No. 8089, Hongli West Road, Xiangmihu Street, Futian District, Shenzhen, Guangdong 518040, People's Republic of China

**EUT Description:**

Smart Phone

**Model No.:**

CHL-LX1

**Trade Mark:**

HONOR

**FCC ID:**

2AYGCCHL-LX1

**Standard(s) :**

47 CFR Part 15, Subpart B

**Date of Receipt:**

2020/12/9

**Date of Test:**

2020/12/9 to 2020/12/31

**Date of Issue:**

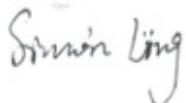
2021/5/28

**Test Result:**

**Pass\***

\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Simon Ling

Wireless Laboratory Manager



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<b>Revision Record</b>				
<b>Version</b>	<b>Chapter</b>	<b>Date</b>	<b>Modifier</b>	<b>Remark</b>
01		2020/12/31		Original
02		2021/05/28	Leah Chen	1. Modify data conversion error of antenna height 2. Updated equipment list

\*This report supersedes our previous report HR/2020/B000706, issued on 2020-12-31, which is hereby deemed null and void.

<b>Authorized for issue by:</b>	
<b>Prepared By</b>	 (Leah Chen) / Engineer
<b>Checked By</b>	 (Daniel Wang) / Reviewer

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## Test Summary

<b>Emission Part</b>				
<b>Item</b>	<b>Standard</b>	<b>Method</b>	<b>Requirement</b>	<b>Result</b>
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass
Radiated Emissions (30MHz-1GHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass
Radiated Emissions (above 1GHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass

<b>Internal Source</b>	<b>Upper Frequency</b>
Below 1.705MHz	30MHz
1.705MHz to 108MHz	1GHz
108MHz to 500MHz	2GHz
500MHz to 1GHz	5GHz
Above 1GHz	5th harmonic of the highest frequency or 40GHz, whichever is lower

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## 1 General Information

Product Name:	Smart Phone		
Model No.(EUT):	CHL-LX1		
Trade Mark:	HONOR		
Hardware Version:	HL3CHLM		
Software Version:	5.0.1.69(C900E12R1P2)		
Frequency Bands:	Band	Tx (MHz)	Rx (MHz)
	GSM850	824~849	869~894
	GSM1900	1850~1910	1930~1990
	WCDMA Band II	1850~1910	1930~1990
	WCDMA Band V	824~849	869~894
	LTE Band 7	2500~2570	2620~2690
	Wi-Fi 2.4G	2400~2483.5	2400~2483.5
	Bluetooth	2400~2483.5	2400~2483.5
	Wi-Fi 5G	5150~5850	5150~5850
	NFC	13.56	
	FM	87~108	
	GNSS(GPS+Glonass + Beidou)	1599~1610	

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**Accessory:**

Adapter No.	Model No.	S/N	Specification
1	HW-100400U01	\	Input:100V-240V 50/60Hz 0.5A output :5V/2A,9V/2A,10V/4A(MAX)
2	HW-100400E01	\	Input:100V-240V 50/60Hz 0.5A output :5V/2A,9V/2A,10V/4A(MAX)
3	HW-100400B01	\	Input:100V-240V 50/60Hz 0.5A output :5V/2A,9V/2A,10V/4A(MAX)
4	HW-100400A01	\	Input:100V-240V 50/60Hz 0.5A output :5V/2A,9V/2A,10V/4A(MAX)
5	HW-100400U02	\	Input:100V-240V 50/60Hz 0.5A output :5V/2A,9V/2A,10V/4A(MAX)
6	HW-100400E02	\	Input:100V-240V 50/60Hz 0.5A output :5V/2A,9V/2A,10V/4A(MAX)
7	HW-100400B02	\	Input:100V-240V 50/60Hz 0.5A output :5V/2A,9V/2A,10V/4A(MAX)
8	HW-100400A02	\	Input:100V-240V 50/60Hz 0.5A output :5V/2A,9V/2A,10V/4A(MAX)

Battery No.	Model No.	Manufacturer
1	HB446589EFW	Honor Device Co., Ltd. (Manufacturer: Sunwoda)
2	HB446589EFW	Honor Device Co., Ltd. (Manufacturer: Desay)
3	HB446589EFW	Honor Device Co., Ltd. (Manufacturer: SCUD)

Cable No.	USB-A to USB-C	Model No.	Manufacturer
1	USB Cable	WA0046	NingBo Broad Telecommunication Co., Ltd.
2	USB Cable	AU2-CHO006HF	Freeport Resources Enterprises Corp.
3	USB Cable	213-00989-0	MING JI ELECTRONICS CO., LTD.
4	USB Cable	L99UC138-CS-H	LUXSHARE PRECISION INDUSTRY CO., LTD.

Earphone No.	Model No.	Manufacturer
1	MEND1532B528A11	Jiangxi Lianchuang Hongsheng Electronic Co., LTD.
2	1293-3283-3.5mm-339	BOLUO COUNTY QUANCHENG ELECTRONIC CO., LTD.
3	EPAB542-2WH05-DH	FOXCONN INTERCONNECT TECHNOLOGY LIMITED

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**1.1 Description of Support Units**

Description	Manufacturer	Model No.	Inventory No.
Router	NETGEAR	R6020	No.XA1401
Computer	Lenovo	L480	No.XA1402
Mouse	A4TECH	OP-520NU USB	No.XA1403

**1.2 Test Location**

Company:	SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD.
Address:	1/F, Unit D, Building 1, Kanghong Orange Technology Park, No.137, Keyuan 3rd Road, Fengdong New City, Xi'an, Shaanxi China
Post code:	710086
Test engineer:	Ben Huang, Leah Chen

**1.3 Test Facility**

The test facility is recognized, certified, or accredited by the following organizations:

**• A2LA (Certificate No. 4854.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (XI 'AN) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4854.01.

**• FCC –Designation Number: CN1271.****1.4 Deviation from Standards**

None

**1.5 Abnormalities from Standard Conditions**

None



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## 2 Emission Test Results

### 2.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement:	47 CFR Part 15, Subpart B
Test Method:	ANSI C63.4:2014
Frequency Range:	150kHz to 30MHz
Limit:	
0.15M-0.5MHz	66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average
0.5M-5MHz	56dB(μV) quasi-peak, 46dB(μV) average
5M-30MHz	60dB(μV) quasi-peak, 50dB(μV) average
Detector:	Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

#### 2.1.1 E.U.T. Operation

##### Operating Environment:

Temperature:	18.9 °C	Humidity: 55.1 % RH	Atmospheric Pressure: 1000 mbar
Testing Strategy:	During the test, the EUT was pre-scanned to find the worst cable, adapter, and headset in turn, then to find the worst mode.		
Pretest these modes to find the worst case:	<ul style="list-style-type: none"><li>a: Transfer data between the EUT1(battery1) and the PC+USB cable1</li><li>b: Transfer data between the EUT1(battery1) and the PC+USB cable2</li><li>c: Transfer data between the EUT1(battery1) and the PC+USB cable3</li><li>d: Transfer data between the EUT1(battery1) and the PC+USB cable4</li><li>e: GSM 850 Idle+ EUT1(battery1) +BT+2.4G WLAN + NFC +GPS Rx + playing MP4 (SD card) +earphone1 + Cable(worst)+adapter1</li><li>f: WCDMA Band V Idle+ EUT1(battery1) +BT+ 5G WLAN + NFC +GPS Rx+ FM +earphone2 + Cable(worst)+adapter5</li><li>g: LTE Band 7 Idle+ EUT1(battery1) + BT+ 2.4G WLAN + NFC +GPS Rx+ camera (Back) +earphone3 + Cable(worst)+adapter(worst)</li><li>h: GSM1900 Idle+ EUT1(battery1) +BT+5G WLAN + NFC +GPS Rx+ camera (Front) +earphone3 + Cable(worst)+adapter(worst)</li><li>i: GSM 850 Idle+ EUT2(battery2) +BT+2.4G WLAN + NFC +GPS Rx + playing MP4 (SD card) +earphone1 + Cable(worst)+adapter1</li><li>j: GSM 850 Idle+ EUT3(battery3) +BT+2.4G WLAN + NFC +GPS Rx + playing MP4 (SD card) +earphone1 + Cable(worst)+adapter1</li></ul>		

Cable worst = Cable 1; Adapter worst = Adapter 5

The worst case for final test: e: GSM 850 Idle+ EUT1(battery1) +BT+2.4G WLAN + NFC +GPS Rx + playing MP4 (SD card) +earphone1 + Cable(worst)+adapter1

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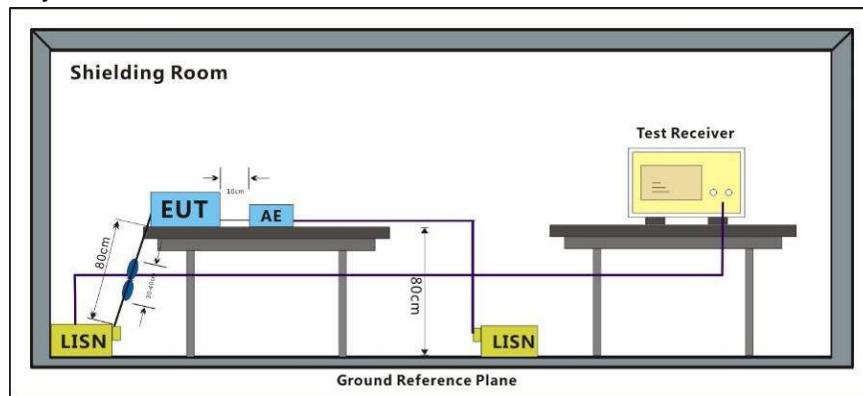


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### 2.1.2 Test Setup Procedures

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.



### 2.1.3 Measurement Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.



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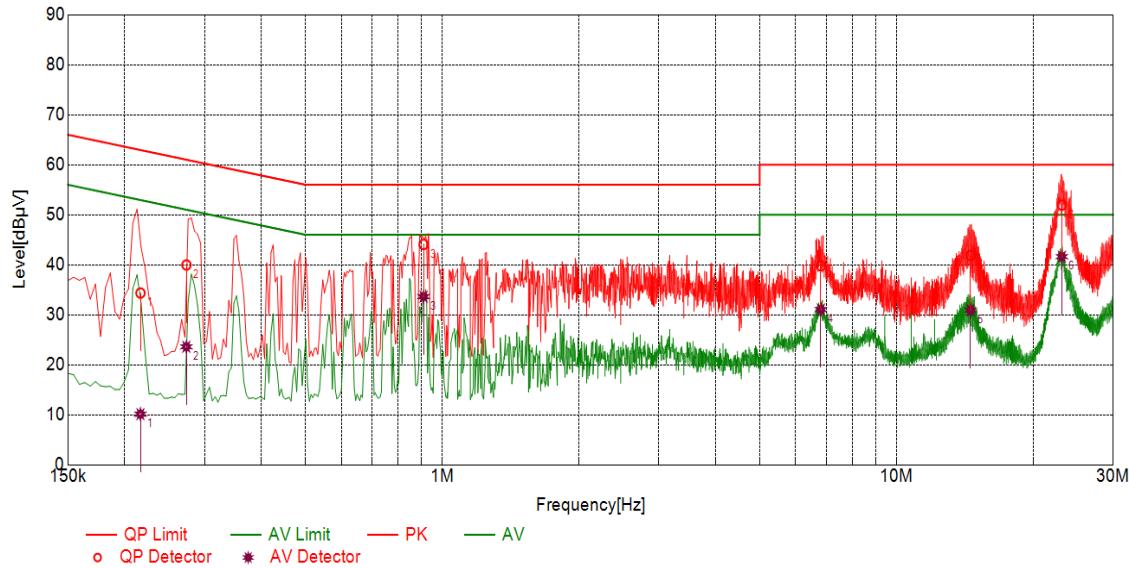
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Mode:e; Line:Live Line

**Test Graph**

Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Type
1	0.2167	10.10	34.35	62.94	28.59	10.13	52.94	42.81	L
2	0.2735	10.10	39.96	61.01	21.05	23.60	51.01	27.41	L
3	0.9100	10.10	44.07	56.00	11.93	33.63	46.00	12.37	L
4	6.8176	10.10	39.80	60.00	20.20	31.05	50.00	18.95	L
5	14.5651	10.11	41.89	60.00	18.11	30.92	50.00	19.08	L
6	23.1336	10.11	51.95	60.00	8.05	41.63	50.00	8.37	L

Remark:

Corrected Factor = LISN Factor + Cable Loss



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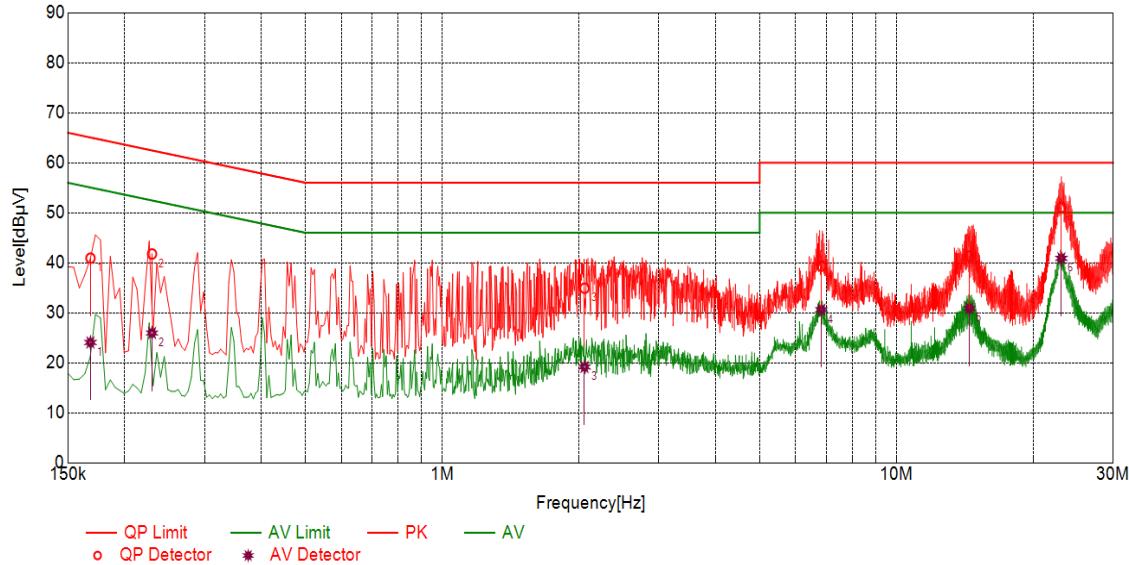
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Mode:c; Line:Neutral Line

**Test Graph**

Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Type
1	0.1682	10.10	40.93	65.05	24.12	24.06	55.05	30.99	N
2	0.2298	10.10	41.77	62.46	20.69	25.96	52.46	26.50	N
3	2.0578	10.10	34.92	56.00	21.08	19.17	46.00	26.83	N
4	6.8351	10.10	39.33	60.00	20.67	30.62	50.00	19.38	N
5	14.4780	10.11	41.33	60.00	18.67	30.87	50.00	19.13	N
6	23.0743	10.11	51.08	60.00	8.92	40.89	50.00	9.11	N

Remark:

Corrected Factor = LISN Factor + Cable Loss

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## 2.2 Radiated Emissions (30MHz-1GHz)

Test Requirement:	47 CFR Part 15, Subpart B
Test Method:	ANSI C63.4:2014
Frequency Range:	30MHz to 1GHz
Measurement Distance:	3m
Limit:	
30MHz -88MHz	40.0(dB $\mu$ V/m) quasi-peak
88MHz-216MHz	43.5(dB $\mu$ V/m) quasi-peak
216MHz-960MHz	46.0(dB $\mu$ V/m) quasi-peak
960MHz-1000MHz	54.0(dB $\mu$ V/m) quasi-peak
Detector:	Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz

### 2.1.4 E.U.T. Operation

#### Operating Environment:

Temperature: 25 °C      Humidity: 66.5 % RH      Atmospheric Pressure: 1010 mbar

Testing Strategy: During the test, the EUT was pre-scanned to find the worst cable, adapter, and headset in turn, then to find the worst mode.

Pretest these modes to find the worst case:

- a: Transfer data between the EUT1(battery1) and the PC+USB cable1
- b: Transfer data between the EUT1(battery1) and the PC+USB cable2
- c: Transfer data between the EUT1(battery1) and the PC+USB cable3
- d: Transfer data between the EUT1(battery1) and the PC+USB cable4
- e: GSM 850 Idle+ EUT1(battery1) +BT+2.4G WLAN + NFC +GPS Rx + playing MP4 (SD card) +earphone1 + Cable(worst)+adapter1
- f: WCDMA Band V Idle+ EUT1(battery1) +BT+ 5G WLAN + NFC +GPS Rx+ FM +earphone2 + Cable(worst)+adapter5
- g: LTE Band 7 Idle+ EUT1(battery1) + BT+ 2.4G WLAN + NFC +GPS Rx+ camera (Back) +earphone3 + Cable(worst)+adapter(worst)
- h: GSM1900 Idle+ EUT1(battery1) +BT+5G WLAN + NFC +GPS Rx+ camera (Front) +earphone3 + Cable(worst)+adapter(worst)
- i: GSM 850 Idle+ EUT2(battery2) +BT+2.4G WLAN + NFC +GPS Rx + playing MP4 (SD card) +earphone1 + Cable(worst)+adapter1
- j: GSM 850 Idle+ EUT3(battery3) +BT+2.4G WLAN + NFC +GPS Rx + playing MP4 (SD card) +earphone1 + Cable(worst)+adapter1

Cable worst = Cable 1; Adapter worst = Adapter 5

The worst case for final test: a: Transfer data between the EUT and the PC+USB cable1



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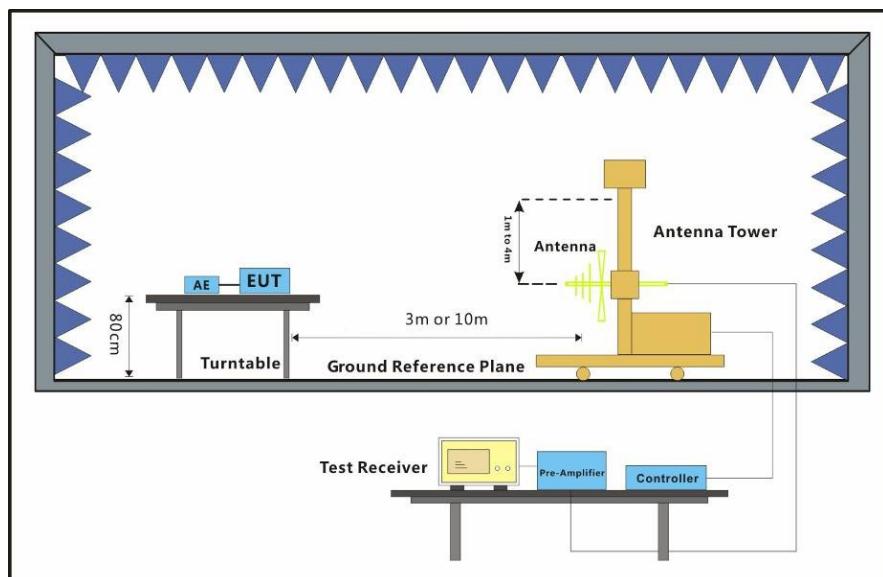
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### 2.1.5 Test Setup Procedures

1. The EUT was placed in a semi Anechoic Chamber as show below
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 height is adjusted between 1 to 4 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 with specified bandwidth with Maximum Hold Mode, and the trace was allowed to stabilize.
7. If the emission level of the EUT in peak mode was 6 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.



### 2.1.6 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.



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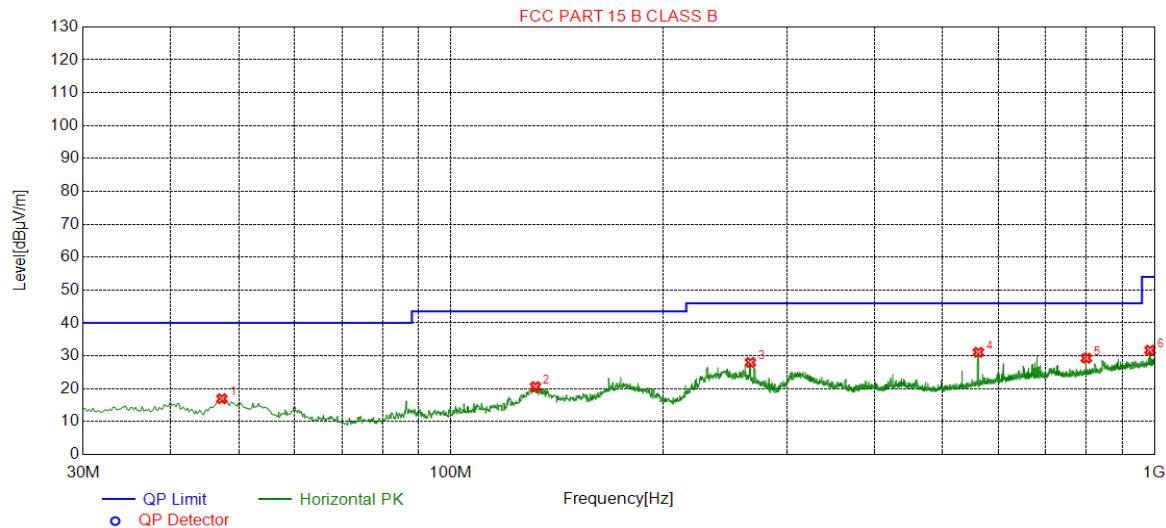
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Mode:a; Polarization:Horizontal

**Suspected List**

Suspected List										
NO.	Freq. [MHz]	Reading [dB $\mu$ V/m]	Factor [dB]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity
1	47.2695	47.36	-30.40	16.96	40.00	23.04	109	122	PK	Horizontal
2	131.8704	55.81	-35.17	20.64	43.50	22.86	159	34	PK	Horizontal
3	266.5333	57.24	-28.24	28.00	46.00	18.00	219	22	PK	Horizontal
4	562.0544	52.78	-21.70	31.08	46.00	14.92	107	28	PK	Horizontal
5	800.1400	47.09	-17.79	29.30	46.00	16.70	163	14	PK	Horizontal
6	985.6411	46.71	-14.99	31.72	54.00	22.28	181	273	PK	Horizontal

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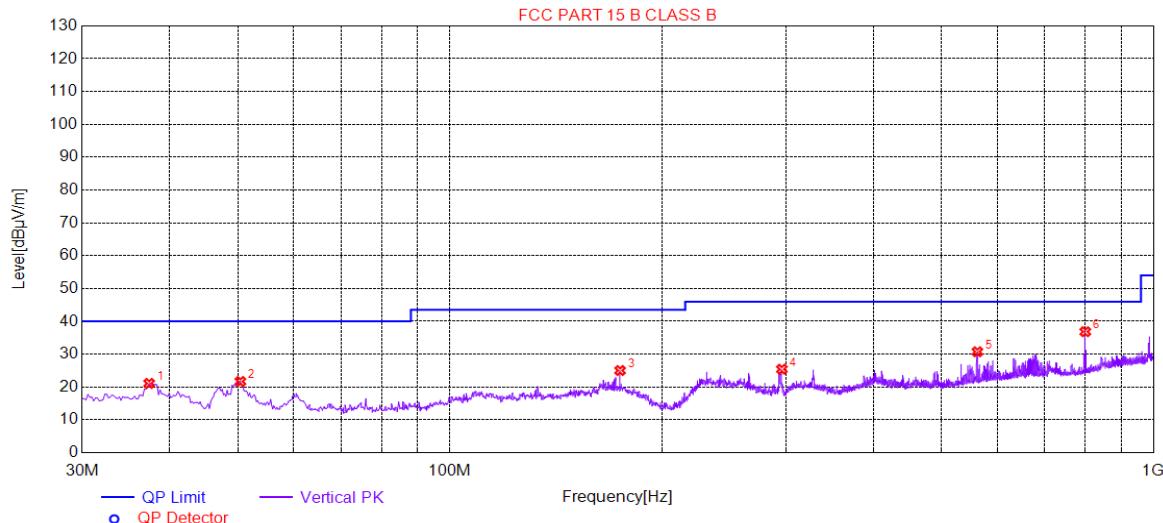


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Mode:a; Polarization:Vertical

**Suspected List**

Suspected List										
NO.	Freq. [MHz]	Reading [dB $\mu$ V/m]	Factor [dB]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity
1	37.3735	50.30	-29.19	21.11	40.00	18.89	185	350	PK	Vertical
2	50.3741	52.12	-30.42	21.70	40.00	18.30	277	69	PK	Vertical
3	174.5589	58.74	-33.70	25.04	43.50	18.46	240	346	PK	Vertical
4	296.4153	53.84	-28.40	25.44	46.00	20.56	218	346	PK	Vertical
5	562.0544	52.45	-21.70	30.75	46.00	15.25	211	321	PK	Vertical
6	800.1400	54.65	-17.79	36.86	46.00	9.14	232	17	PK	Vertical

## Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

Factor = Antenna Factor + Cable Factor - Preamplifier Factor



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## 2.3 Radiated Emissions (above 1GHz)

Test Requirement:	47 CFR Part 15, Subpart B
Test Method:	ANSI C63.4:2014
Frequency Range:	Above 1GHz
Measurement Distance:	3m
Limit:	
Above 1GHz	74(dB $\mu$ V/m) peak, 54(dB $\mu$ V/m) average
Detector:	Peak for pre-scan (1000kHz resolution bandwidth) 1000M to18000MHz

### 2.1.7 E.U.T. Operation

#### Operating Environment:

Temperature: 21.7 °C      Humidity: 56.4 % RH      Atmospheric Pressure: 1010 mbar

Testing Strategy: During the test, the EUT was pre-scanned to find the worst cable, adapter, and headset in turn, then to find the worst mode.

Pretest these modes to find the worst case:

- a: Transfer data between the EUT1(battery1) and the PC+USB cable1
- b: Transfer data between the EUT1(battery1) and the PC+USB cable2
- c: Transfer data between the EUT1(battery1) and the PC+USB cable3
- d: Transfer data between the EUT1(battery1) and the PC+USB cable4
- e: GSM 850 Idle+ EUT1(battery1) +BT+2.4G WLAN + NFC +GPS Rx + playing MP4 (SD card) +earphone1 + Cable(worst)+adapter1
- f: WCDMA Band V Idle+ EUT1(battery1) +BT+ 5G WLAN + NFC +GPS Rx+ FM +earphone2 + Cable(worst)+adapter5
- g: LTE Band 7 Idle+ EUT1(battery1) + BT+ 2.4G WLAN + NFC +GPS Rx+ camera (Back) +earphone3 + Cable(worst)+adapter(worst)
- h: GSM1900 Idle+ EUT1(battery1) +BT+5G WLAN + NFC +GPS Rx+ camera (Front) +earphone3 + Cable(worst)+adapter(worst)
- i: GSM 850 Idle+ EUT2(battery2) +BT+2.4G WLAN + NFC +GPS Rx + playing MP4 (SD card) +earphone1 + Cable(worst)+adapter1
- j: GSM 850 Idle+ EUT3(battery3) +BT+2.4G WLAN + NFC +GPS Rx + playing MP4 (SD card) +earphone1 + Cable(worst)+adapter1

Cable worst = Cable 1; Adapter worst = Adapter 5

The worst case for final test: e: GSM 850 Idle+ EUT1(battery1) +BT+2.4G WLAN + NFC +GPS Rx + playing MP4 (SD card) +earphone1 + Cable(worst)+adapter1



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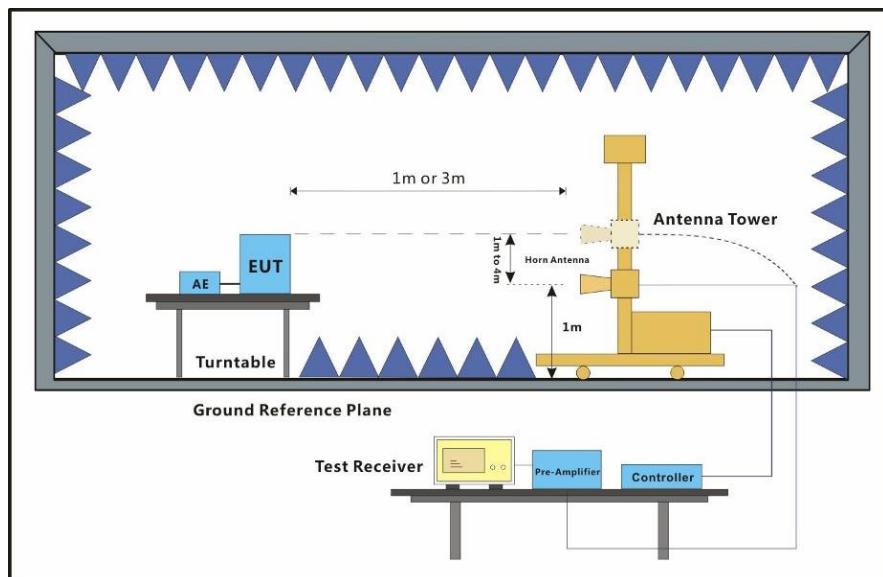
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### 2.1.8 Test Setup Procedures

1. The EUT was placed in a full Anechoic Chamber as show below
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 height is adjusted between 1 to 4 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 and AV Detect Function with specified bandwidth with Maximum Hold Mode, and the trace was allowed to stabilize.



### 2.1.9 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.



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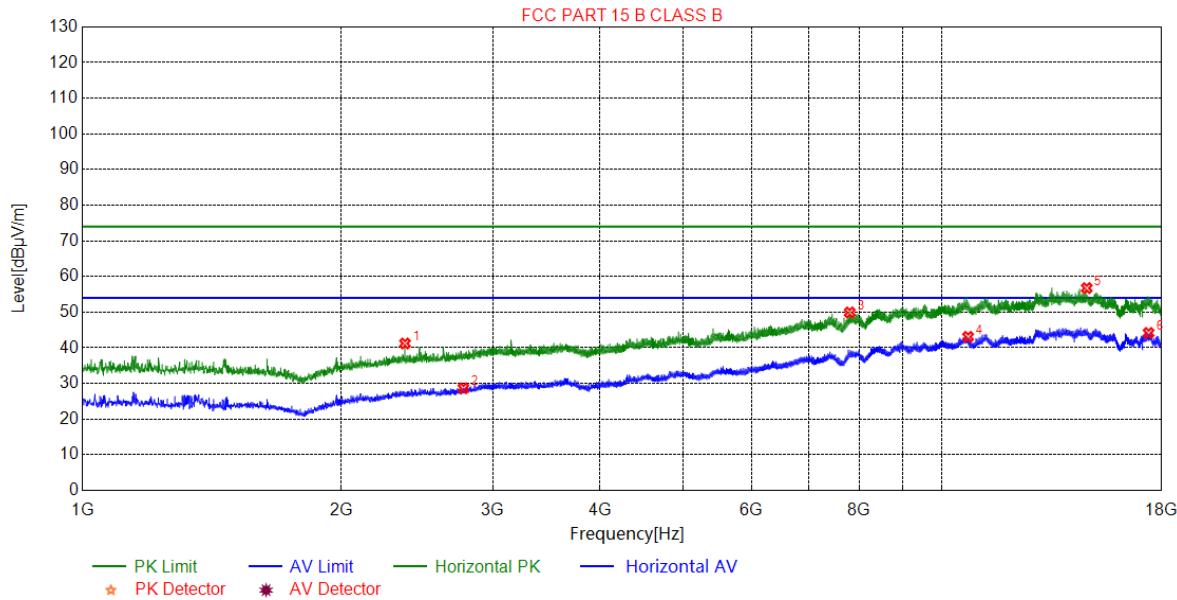
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Mode:e; Polarization:Horizontal

**Suspected List**

Suspected List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity
1	2371.9686	67.71	-26.48	41.23	74.00	32.77	129	301	PK	Horizontal
2	2774.0387	53.43	-24.76	28.67	54.00	25.33	170	20	AV	Horizontal
3	7806.2903	58.46	-8.54	49.92	74.00	24.08	214	276	PK	Horizontal
4	10716.8358	46.64	-3.55	43.09	54.00	10.91	136	193	AV	Horizontal
5	14724.7862	57.58	-0.82	56.76	74.00	17.24	161	42	PK	Horizontal
6	17376.9188	46.80	-2.62	44.18	54.00	9.82	225	59	AV	Horizontal

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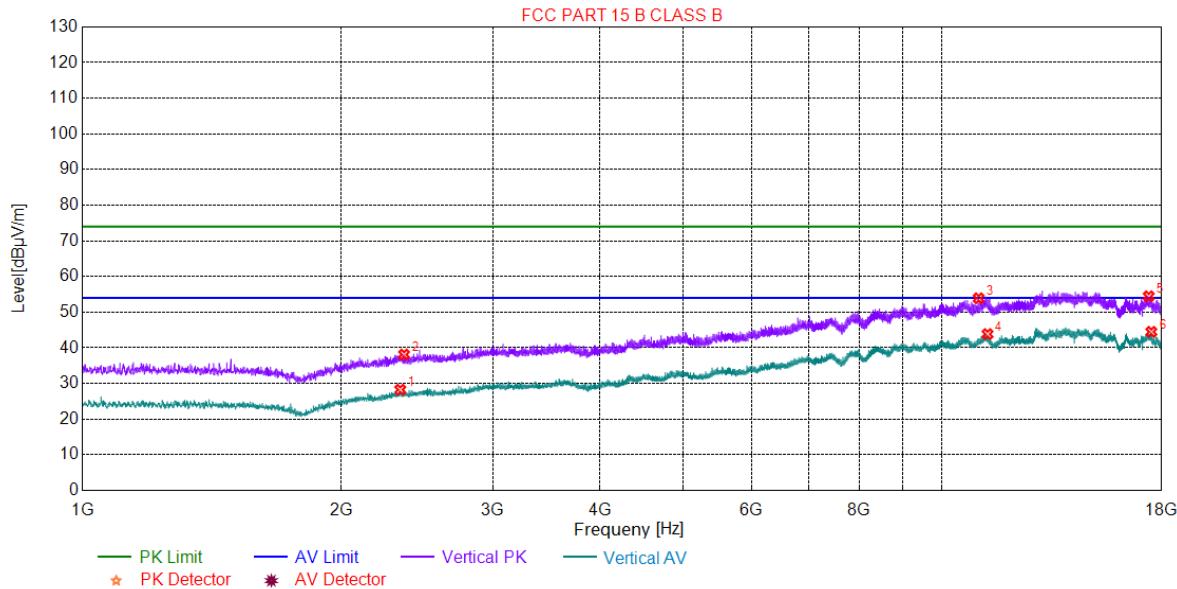
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Mode:e; Polarization:Vertical

**Suspected List**

Suspected List											
NO.	Freq. [MHz]	Reading [dB $\mu$ V/m]	Factor [dB]	Level [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	
1	2342.2171	54.83	-26.56	28.27	54.00	25.73	226	80	AV	Vertical	
2	2366.0183	64.62	-26.50	38.12	74.00	35.88	264	338	PK	Vertical	
3	11024.5512	57.16	-3.25	53.91	74.00	20.09	280	145	PK	Vertical	
4	11289.7645	46.95	-3.09	43.86	54.00	10.14	176	16	AV	Vertical	
5	17384.5692	57.04	-2.58	54.46	74.00	19.54	247	150	PK	Vertical	
6	17506.1253	46.13	-1.63	44.50	54.00	9.50	270	194	AV	Vertical	

**Remark:**

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

Factor = Antenna Factor + Cable Factor - Preamplifier Factor

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### 3 Equipment List

CE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	Brilliant-emc	N/A	XAW03-35-01	2019-09-11	2022-09-10
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-01	2020-09-11	2021-09-10
Artificial network	ROHDE&SCHWARZ	ENV216	XAW01-04-01	2020-08-04	2021-08-03
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2020-11-06	2021-11-05
Measurement Software	Tonscend	TS+ CE V2.5	XAW02-05-02	NCR	NCR
Radio communication analyzer	ROHDE&SCHWARZ	CMW 500	XAW01-03-02	2020-04-02	2021-04-01

RSE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	XAW03-35-01	2019-09-11	2022-09-10
MXA signal analyzer	Keysight	N9020A	XAW01-06-01	2020-04-02	2021-04-01
Test receiver	ROHDE&SCHWARZ	ESR	XAW01-08-01	2020-09-11	2021-09-10
Receiving antenna (30MHz~3GHz)	Schwarzbeck	VULB 9163	XAW01-09-01	2019-10-13	2021-10-12
Receiving antenna (1GHz~18GHz)	Schwarzbeck	BBHA 9120D	XAW01-09-02	2019-10-13	2021-10-12
Receiving antenna (15GHz~40GHz)	Schwarzbeck	BBHA 9170	XAW01-09-03	2019-10-13	2021-10-12
Directional antenna rack controller	Max-Full	MF-7802BS	XAW03-03-01	NCR	NCR
High-speed antenna rack controller	Max-Full	MF-7802	XAW03-04-01	NCR	NCR
Filter bank	Tonscend	JS0806-F	XAW03-05-01	NCR	NCR
Filter bank	Tonscend	JS0806s	XAW03-05-02	NCR	NCR
Amplifier	Tonscend	TAP00903040	XAW01-41-01	2020-10-26	2021-10-25
Amplifier	Tonscend	TAP01018048	XAW01-41-02	2020-10-26	2021-10-25
Amplifier	Tonscend	TAP18040048	XAW01-41-03	2020-10-27	2021-10-26
Amplifier	Shanghai Steed	YX28980930	XAW01-41-06	2020-10-26	2021-10-25
Temperature and humidity meter	MingGao	TH101B	XAW01-01-01	2020-11-06	2021-11-05
Measurement Software	Tonscend	TS+ RSE V3.0.0.2	XAW02-05-01	NCR	NCR
Radio communication analyzer	ROHDE&SCHWARZ	CMW 500	XAW01-03-02	2020-04-02	2021-04-01

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## 4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 3.0dB (150kHz to 30MHz)
2	Radiated Emission	± 4.8dB (Below 1GHz)
		± 4.8dB (1GHz to 6GHz)
		± 4.5dB (6GHz to 18GHz)
		± 5.02dB (Above 18GHz)

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## 5 Photographs

### 5.1 Test Setup

Refer to Appendix A - Photographs of Set-Up for HR/2020/B0007.

### 5.2 EUT Constructional Details (EUT Photos)

Refer to Photographs of EUT Constructional Details

- End of the Report -

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