TEST REPORT

Report Reference No. ..... :	**CHTEW19100173**	Report verification:
Project No. ..... :	**SHT1910023301EW**	
FCC ID ..... :	**2AUWY-LD1**	
Applicant's name ..... :	**LiveCare Corp**	
Address ..... :	252 W 37th Street, 17th Floor, New York, NY 10018, USA	
Manufacturer ..... :	Soyes Science Technology Limited	
Address ..... :	Unit 1402A 14/f The Belgian Bank Bldg Nos 721-725 Nathan Rd, Mongkok, KL, Hongkong	
Test item description ..... :	**Mini smart phone**	
Trade Mark ..... :	Link+	
Model/Type reference ..... :	LD1	
Listed Model(s) ..... :	-	
Standard ..... :	**47 CFR FCC Part 15 Subpart B**	
Date of receipt of test sample ..... :	Oct 17, 2019	
Date of testing ..... :	Oct 18, 2019- Oct 30, 2019	
Date of issue ..... :	Oct 31, 2019	
Result ..... :	**Pass**	

Compiled by (position+printed name+signature)..:	File administrators Silvia Li	Silvia Li
Supervised by (position+printed name+signature)..:	Project Engineer Aaron Fang	Aaron.Fang
Approved by (position+printed name+signature)..:	RF Manager Hans Hu	Hans Hu

Testing Laboratory Name ..... :	**Shenzhen Huatongwei International Inspection Co., Ltd.**
Address ..... :	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China

Contents

1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

47 CFR FCC Part 15 Subpart B - Unintentional Radiators

ANSI C63.4: 2014 – American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40GHz

1.2. Report version information

Revision No.	Date of issue	Description
N/A	2019-10-31	Original

2. TEST DESCRIPTION

Test Item	Section in CFR 47	Result	Test Engineer
Conducted Emissions	15.107(a)	PASS	Kang Yang
Radiated Emissions	15.109(a)	PASS	Barry Chang

Note: The measurement uncertainty is not included in the test result.

3. SUMMARY

3.1. Client Information

Applicant:	LiveCare Corp
Address:	252 W 37th Street, 17th Floor, New York, NY 10018, USA
Manufacturer:	Soyes Science Technology Limited
Address:	Unit 1402A 14/f The Belgian Bank Bldg Nos 721-725 Nathan Rd, Mongkok, KL, Hongkong

3.2. Product Description

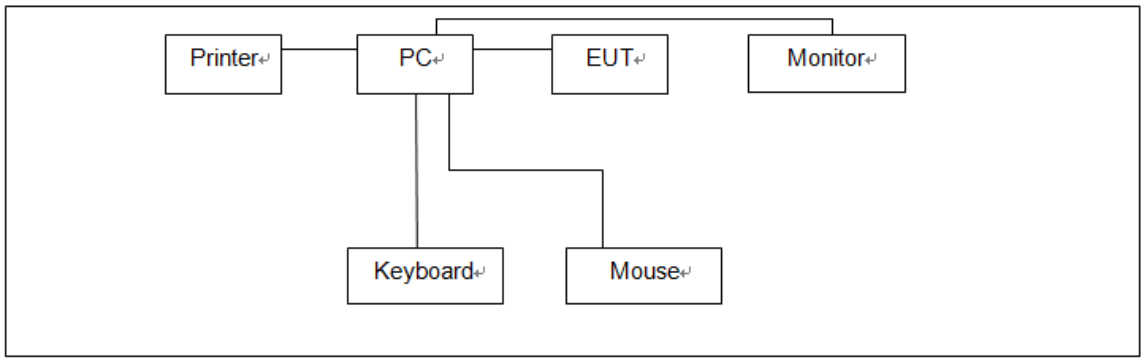
Name of EUT:	Mini smart phone
Trade Mark:	Link+
Model No.:	LD1
Listed Model(s)	-
Power supply:	DC 3.8V
Adapter information:	Model:PA-US5V1A-019 Input: 100-240Va.c., 50/60Hz, 0.2A Output: 5.0Vd.c.,1.0A

3.3. EUT operation mode

Test mode	Describe
Camera recording mode	Keep the EUT in Camera recording status
Video Playing mode	Keep the EUT in Video Playing status
Data exchange mode	Keep the EUT in Data exchange with PC status

Pre-scan all of above modes. Only show video playing mode for conducted emission, and dated exchange mode for radiated emission, which is the worst case on the report.

3.4. Configuration of Tested System



3.5. Support unit used in test configuration

Item	Equipment	Manufacturer	Model No.	FCC ID / FCC DoC	Data Cable	Power Cord
1	PC	DELL	OptiPlex 3020 MT	FCC DoC	N/A	Unshielded 1.8m
2	Monitor	DELL	E1912Hf	FCC DoC	N/A	Unshielded 1.8m
3	Keyboard	DELL	SK8115	FCC DoC	Unshielded, 1.5m	N/A
4	Mouse	DELL	MS111-T	FCC DoC	Unshielded, 1.5m	N/A
5	Printer	EPSON	L101	FCC DoC	N/A	Unshielded 1.8m

4. TEST ENVIRONMENT

4.1. Address of the test laboratory

Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd.
Address: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China
Phone: 86-755-26748019 Fax: 86-755-26748089

4.2. Test Facility

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

CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No. 3902.01

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 762235

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 762235.

IC-Registration No.: 5377A

Two 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377A.

ACA

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

4.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
Relative Humidity:	30~60 %
Air Pressure:	950~1050mba

4.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emissions	30~1000MHz	4.90 dB	(1)
Radiated Emissions	1~18GHz	4.96 dB	(1)
Conducted Disturbance	0.15~30MHz	3.02 dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

4.5. Equipments Used during the Test

● Conducted Emission							
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Shielded Room	Albatross projects	HTWE0114	N/A	N/A	2018/09/28	2023/09/27
●	EMI Test Receiver	R&S	HTWE0111	ESCI	101247	2019/10/26	2020/10/25
●	Artificial Mains	SCHWARZBECK	HTWE0113	NNLK 8121	573	2019/10/23	2020/10/22
●	Pulse Limiter	R&S	HTWE0033	ESH3-Z2	100499	2019/10/23	2020/10/22
●	RF Connection Cable	HUBER+SUHNER	HTWE0113-02	ENVIROFLEX_142	EF-NM-BNCM-2M	2019/10/23	2020/10/22
●	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A

● Radiated Emission-6th test site							
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2018/09/30	2021/09/29
●	EMI Test Receiver	R&S	HTWE0099	ESCI	100900	2019/10/26	2020/10/25
●	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0119	VULB9163	546	2017/04/05	2020/04/04
●	Pre-Amplifer	SCHWARZBECK	HTWE0295	BBV 9742	N/A	2018/11/14	2019/11/13
●	RF Connection Cable	HUBER+SUHNER	HTWE0062-01	N/A	N/A	2019/8/21	2020/8/20
●	RF Connection Cable	HUBER+SUHNER	HTWE0062-02	SUCOFLEX104	501184/4	2019/5/27	2020/5/26
●	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A

● Radiated emission-7th test site							
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Semi-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	N/A	2018/09/30	2021/09/29
●	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2019/10/26	2020/10/25
●	Horn Antenna	SCHWARZBECK	HTWE0126	9120D	1011	2017/04/01	2020/03/31
●	Broadband Pre-amplifier	SCHWARZBECK	HTWE0201	BBV 9718	9718-248	2019/05/23	2020/05/22
●	RF Connection Cable	HUBER+SUHNER	HTWE0121-01	RE-7-FH	N/A	2019/05/10	2020/05/09
●	Test Software	Audix	N/A	E3	N/A	N/A	N/A

5. TEST CONDITIONS AND RESULTS

5.1. Conducted Emissions Test

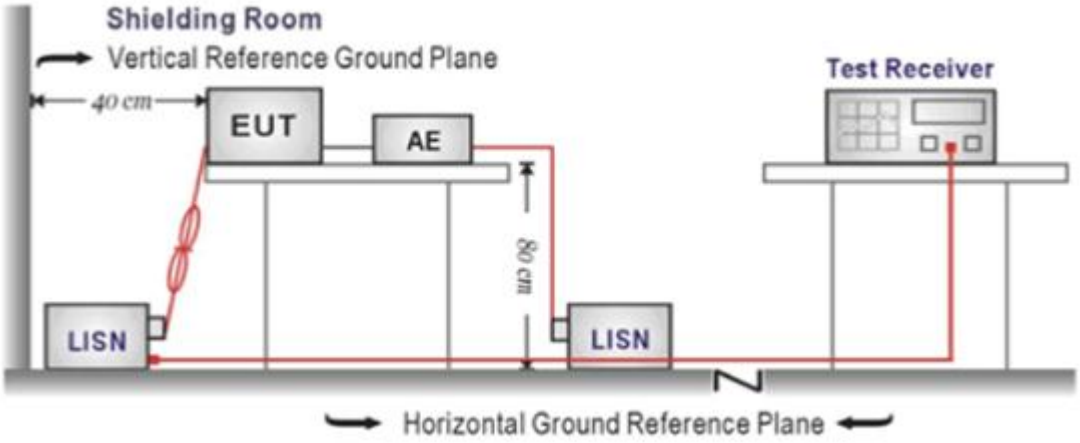
LIMIT

FCC CFR Title 47 Part 15 Subpart B Section 15.107:

Frequency range (MHz)	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.

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was setup according to ANSI C63.4:2014
2. The EUT was placed on a plat form of nominal size, 1 m by 1.5 m, raised 10 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 10 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50ohm / 50uH coupling impedance for the measuring equipment.
4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor,was individually connected through a LISN to the input power source.
6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
8. During the above scans, the emissions were maximized by cable manipulation.

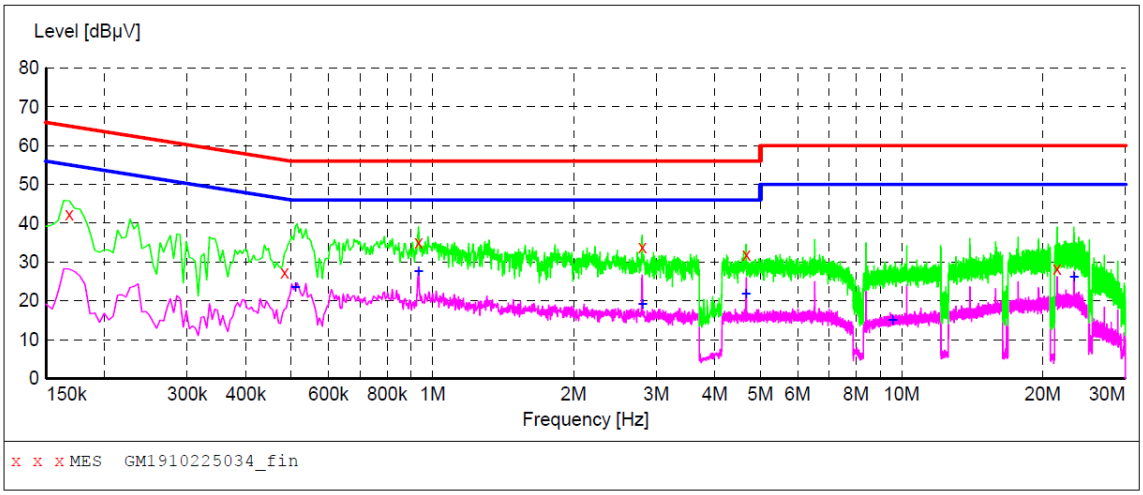
TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

Test Line:	L



MEASUREMENT RESULT: "GM1910225034_fin"

10/22/2019 2:09PM

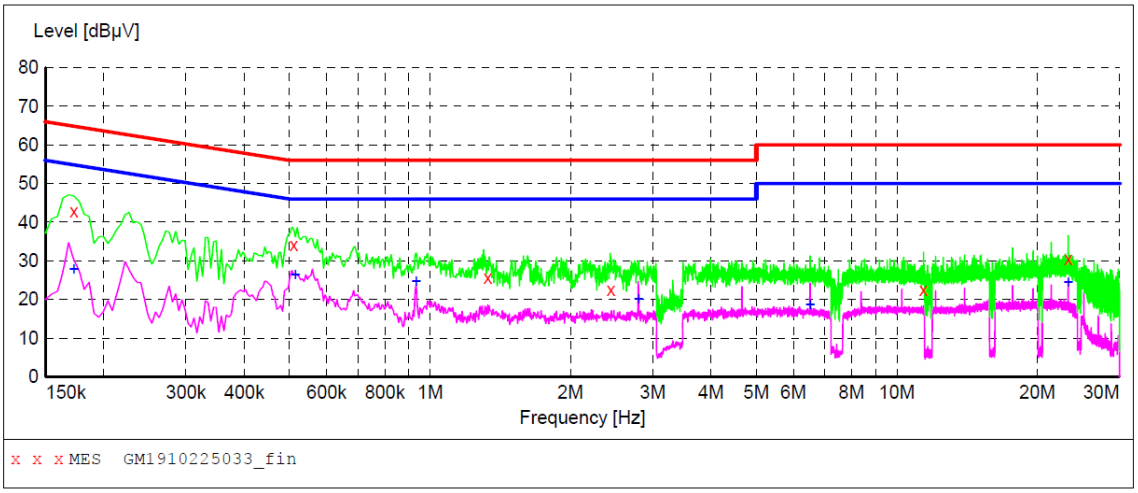
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.168000	42.30	10.1	65	22.8	QP	L1	GND
0.483000	27.40	10.1	56	28.9	QP	L1	GND
0.933000	35.20	10.1	56	20.8	QP	L1	GND
2.800500	33.80	10.1	56	22.2	QP	L1	GND
4.668000	31.90	10.1	56	24.1	QP	L1	GND
21.453000	28.40	10.2	60	31.6	QP	L1	GND

MEASUREMENT RESULT: "GM1910225034_fin2"

10/22/2019 2:09PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.510000	23.40	10.1	46	22.6	AV	L1	GND
0.933000	27.50	10.1	46	18.5	AV	L1	GND
2.805000	19.20	10.1	46	26.8	AV	L1	GND
4.663500	21.80	10.1	46	24.2	AV	L1	GND
9.568500	15.00	10.2	50	35.0	AV	L1	GND
23.329500	26.20	10.2	50	23.8	AV	L1	GND

Test Line:	N



MEASUREMENT RESULT: "GM1910225033_fin"

10/22/2019 2:04PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.172500	42.70	10.1	65	22.1	QP	N	GND
0.510000	34.10	10.1	56	21.9	QP	N	GND
1.329000	25.70	10.1	56	30.3	QP	N	GND
2.440500	22.40	10.1	56	33.6	QP	N	GND
11.400000	22.50	10.2	60	37.5	QP	N	GND
23.293500	30.60	10.2	60	29.4	QP	N	GND

MEASUREMENT RESULT: "GM1910225033_fin2"

10/22/2019 2:04PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.172500	27.90	10.1	55	26.9	AV	N	GND
0.514500	26.40	10.1	46	19.6	AV	N	GND
0.933000	24.60	10.1	46	21.4	AV	N	GND
2.796000	20.00	10.1	46	26.0	AV	N	GND
6.522000	18.70	10.2	50	31.3	AV	N	GND
23.293500	24.40	10.2	50	25.6	AV	N	GND

5.2. Radiated Emissions Test

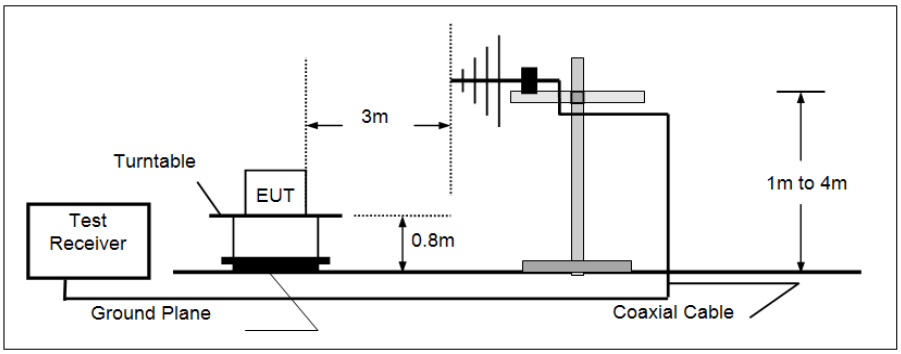
LIMIT

FCC CFR Title 47 Part 15 Subpart B Section 15.109

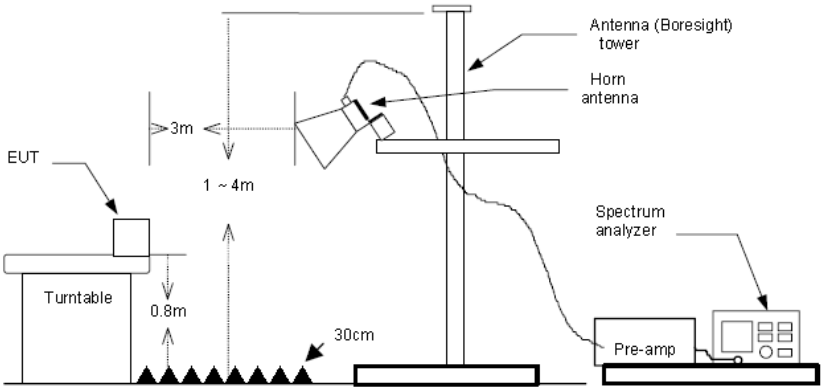
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

TEST CONFIGURATION

- 30MHz ~ 1GHz



- Above 1GHz



TEST PROCEDURE

1. The EUT was tested according to ANSI C63.4:2014.
2. The EUT is placed on a turn table which is 0.8 meter above ground.
3. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
4. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
5. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. Thisis repeated for both horizontal and vertical polarization of the antenna.
6. Use the following spectrum analyzer settings
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Below 1GHz,
   RBW=120KHz, VBW=300KHz, Sweep=auto, Detector function=peak, Trace=max hold;
   If the emission level of the EUT measured by the peak detectoris 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, theemission measurement will be repeated using the quasi-peak detector and reported.
   (3) From 1GHz to 5th harmonic, RBW=1MHz, VBW=3MHz

TEST MODE:

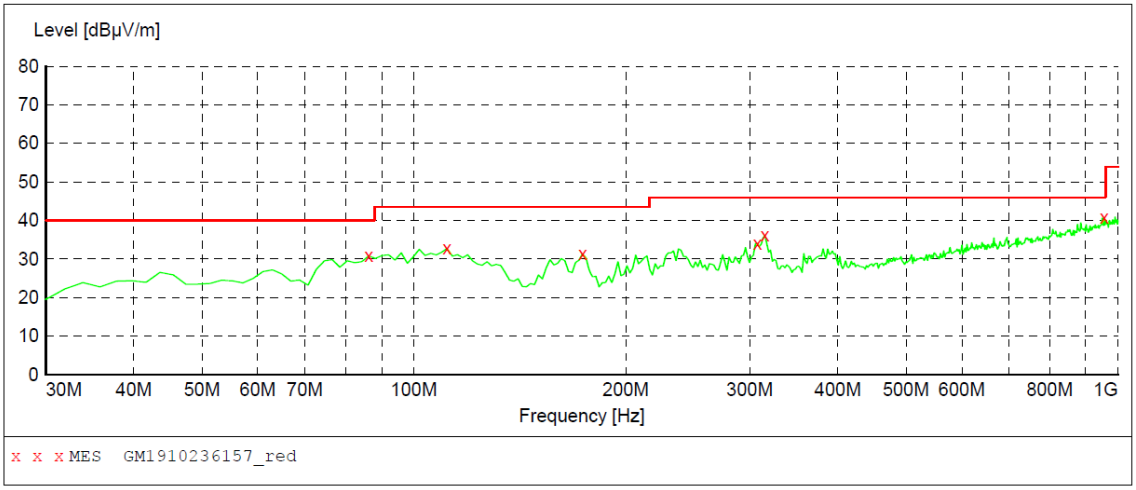
Please refer to the clause 3.3

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

Note: Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
The emission levels of frequency above 6GHz are very lower than limit and not show in test report.

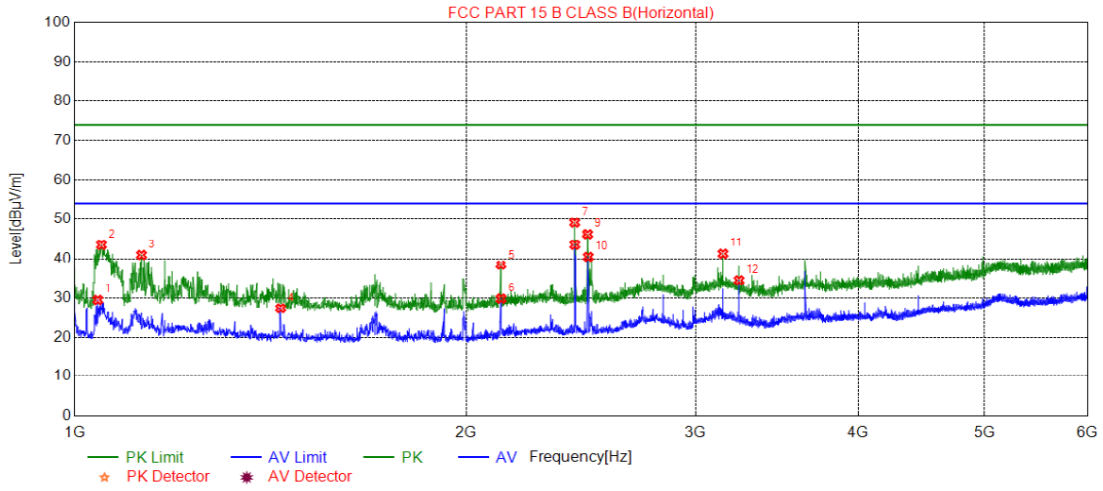
Polarization:	Horizontal



MEASUREMENT RESULT: "GM1910236157_red"

10/24/2019 1:54AM

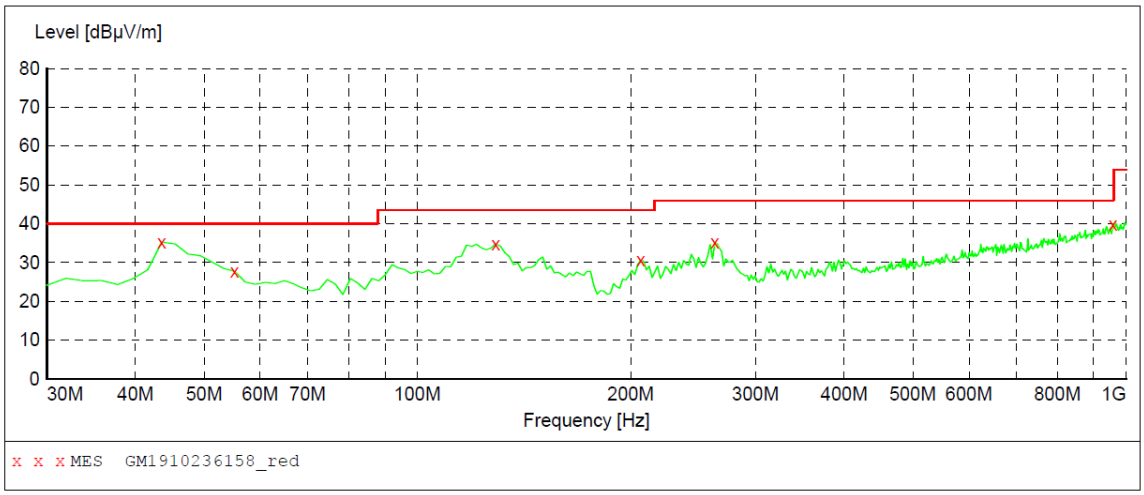
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
86.260000	30.80	-9.4	40.0	9.2	QP	300.0	161.00	HORIZONTAL
111.480000	32.70	-6.7	43.5	10.8	QP	300.0	103.00	HORIZONTAL
173.560000	31.30	-8.4	43.5	12.2	QP	100.0	359.00	HORIZONTAL
307.420000	34.10	-2.3	46.0	11.9	QP	100.0	89.00	HORIZONTAL
315.180000	36.10	-2.2	46.0	9.9	QP	100.0	67.00	HORIZONTAL
955.380000	40.80	12.3	46.0	5.2	QP	100.0	0.00	HORIZONTAL



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
1	1041.875	36.81	-7.31	29.50	54.00	24.50	Horizontal	AV
2	1048.750	50.86	-7.26	43.60	74.00	30.40	Horizontal	PK
3	1125.625	47.71	-6.62	41.09	74.00	32.91	Horizontal	PK
4	1440.000	32.98	-5.60	27.38	54.00	26.62	Horizontal	AV
5	2126.250	42.13	-3.74	38.39	74.00	35.61	Horizontal	PK
6	2126.875	33.56	-3.73	29.83	54.00	24.17	Horizontal	AV
7	2422.500	51.55	-2.35	49.20	74.00	24.80	Horizontal	PK
8	2423.125	45.98	-2.35	43.63	54.00	10.37	Horizontal	AV
9	2478.750	48.46	-2.17	46.29	74.00	27.71	Horizontal	PK
10	2481.250	42.76	-2.16	40.60	54.00	13.40	Horizontal	AV
11	3149.375	40.81	0.58	41.39	74.00	32.61	Horizontal	PK
12	3240.000	34.08	0.36	34.44	54.00	19.56	Horizontal	AV

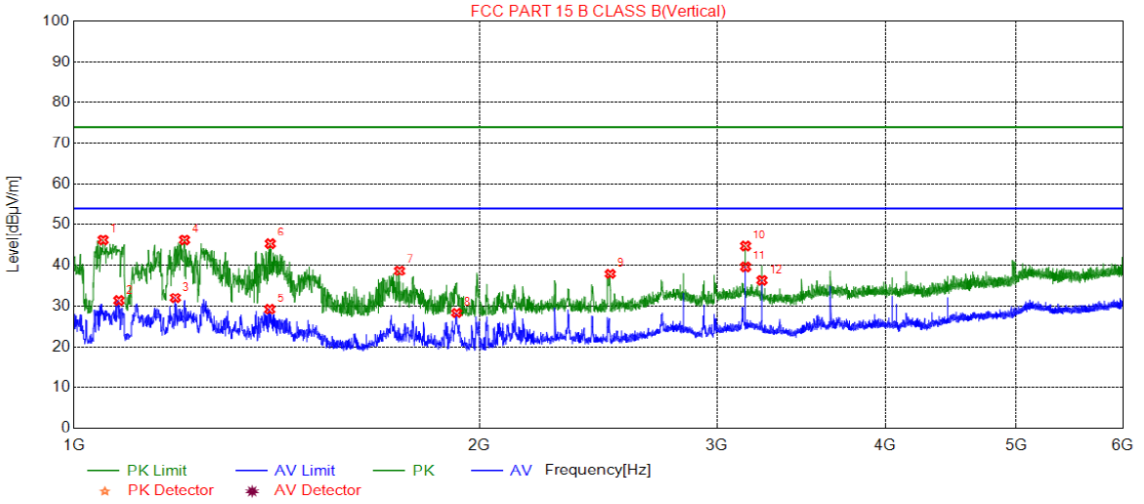
Polarization:	Vertical



MEASUREMENT RESULT: "GM1910236158_red"

10/24/2019 1:58AM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
43.580000	35.30	-4.7	40.0	4.7	QP	100.0	161.00	VERTICAL
55.220000	27.80	-4.4	40.0	12.2	QP	100.0	324.00	VERTICAL
128.940000	34.80	-8.7	43.5	8.7	QP	100.0	232.00	VERTICAL
206.540000	30.60	-5.9	43.5	12.9	QP	100.0	269.00	VERTICAL
262.800000	35.10	-3.7	46.0	10.9	QP	100.0	70.00	VERTICAL
957.320000	39.80	12.3	46.0	6.2	QP	100.0	11.00	VERTICAL

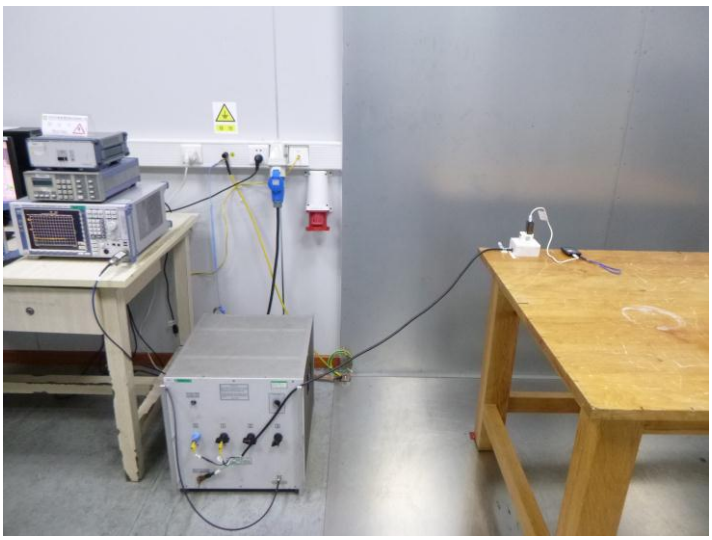


Suspected Data List

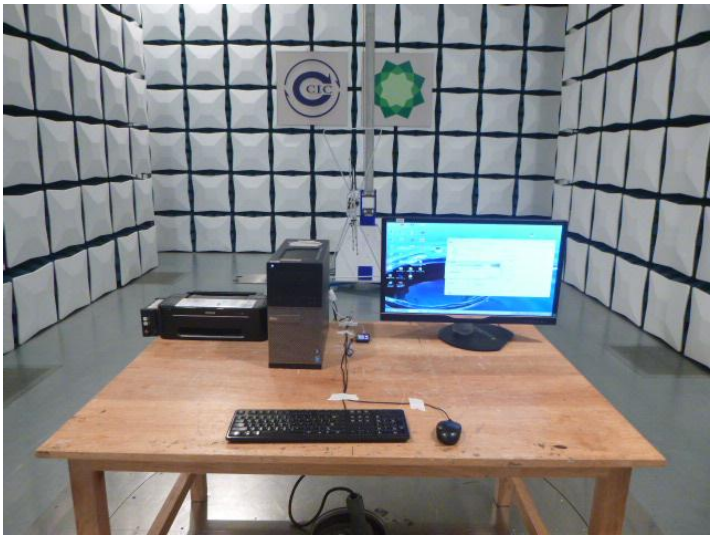
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Detector
1	1051.250	53.44	-7.24	46.20	74.00	27.80	Vertical	PK
2	1080.000	38.34	-7.03	31.31	54.00	22.69	Vertical	AV
3	1189.375	37.93	-5.94	31.99	54.00	22.01	Vertical	AV
4	1208.125	52.02	-5.81	46.21	74.00	27.79	Vertical	PK
5	1397.500	34.83	-5.58	29.25	54.00	24.75	Vertical	AV
6	1398.750	50.90	-5.58	45.32	74.00	28.68	Vertical	PK
7	1744.375	44.64	-5.97	38.67	74.00	35.33	Vertical	PK
8	1923.125	33.86	-5.57	28.29	54.00	25.71	Vertical	AV
9	2500.000	40.01	-2.10	37.91	74.00	36.09	Vertical	PK
10	3150.625	44.20	0.58	44.78	74.00	29.22	Vertical	PK
11	3150.625	39.06	0.58	39.64	54.00	14.36	Vertical	AV
12	3240.000	35.92	0.36	36.28	54.00	17.72	Vertical	AV

6. TEST SETUP PHOTOS OF THE EUT

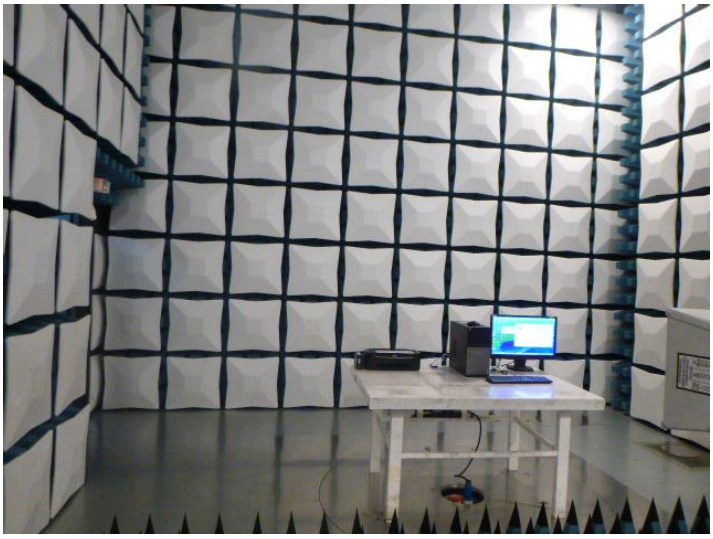
Conducted Emissions (AC Mains)



Radiated Emissions (30MHz-1GHz)



Radiated Emissions (Above 1GHz)



7. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Reference to the test report No.: CHTEW19100165

--------End of Report--------