

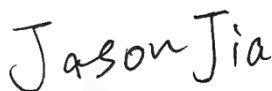
FCC EMI TEST REPORT

FCC ID : ZL5B35EPA
Equipment : Mobile Phone
Brand Name : CAT
Model Name : B35
Standard : FCC 47 CFR FCC Part 15 Subpart B Class B
Classification : Certification

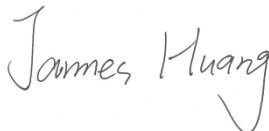
The product was received on Dec. 10, 2019 and testing was started from Dec. 25, 2019 and completed on Jan. 17, 2020. We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by A2LA or any agency of government.

The test results in this variant 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.



Reviewed by: Jason Jia / Supervisor



Approved by: James Huang / Manager



Sporton International (Kunshan) Inc.

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



Table of Contents

1.1.	Applicant.....	5
1.2.	Manufacturer	5
1.3.	Product Feature of Equipment Under Test	5
1.4.	Product Specification of Equipment Under Test	6
1.5.	Modification of EUT	6
1.6.	Test Location	7
1.7.	Applicable Standards	7
2.1.	Test Mode	8
2.2.	Connection Diagram of Test System	9
2.3.	Support Unit used in test configuration and system	9
2.4.	EUT Operation Test Setup	10
3.1.	Test of AC Conducted Emission Measurement	11
3.2.	Test of Radiated Emission Measurement	13

Appendix A. AC Conducted Emission Test Result**Appendix B. Radiated Emission Test Result****Appendix C. Setup Photographs**



History of this test report

Report No.	Version	Description	Issued Date
FC9D1021-02	01	Initial issue of report	Mar. 02, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.107	AC Conducted Emission	Pass	Under limit 4.54 dB at 0.156 MHz
3.2	15.109	Radiated Emission	Pass	Under limit 3.64 dB at 236.610 MHz for Quasi-Peak

Note: This is a variant report which can be referred to Product Equality Declaration, and remove the second source receiver sample. All the test cases were performed on original report which can be referred to Sporton Report Number FC840307-04. Based on the original report, the test cases were verified.

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



1. General Description

1.1. Applicant

Bullitt Group

One Valpy, Valpy Street, Reading, Berkshire, England RG1 1AR

1.2. Manufacturer

Bullitt Group

One Valpy, Valpy Street, Reading, Berkshire, England RG1 1AR

1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	CAT
Model Name	B35
FCC ID	ZL5B35EPA
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/LE GNSS FM
IMEI Code	357491092413087
HW Version	MP_NZ
SW Version	LTE_0208120.0_B35_53
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: Sample 1 is dual SIM and Sample 2 is single SIM. According to the difference, we choose sample 1 to full test.

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 ~ 1909.8 MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 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 II: 1932.4 MHz ~ 1987.6 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: 88 MHz - 108 MHz
Antenna Type	WWAN : PIFA Antenna WLAN : PIFA Antenna Bluetooth : PIFA Antenna GNSS: PIFA Antenna FM : Extrenal Headset 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(uplink is not supported) DC-HSDPA : 64QAM LTE: QPSK / 16QAM 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

1.5. Modification of EUT

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

1.6. Test Location

Test Site	Sporton International (Kunshan) Inc.	
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958	
Test Site No.	Sporton Site No.	
	CO01-KS	03CH06-KS

FCC designation No.: CN1257

FCC Test Site Registration No.: 314309

1.7. Applicable Standards

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

- ♦ FCC 47 CFR FCC Part 15 Subpart B Class 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

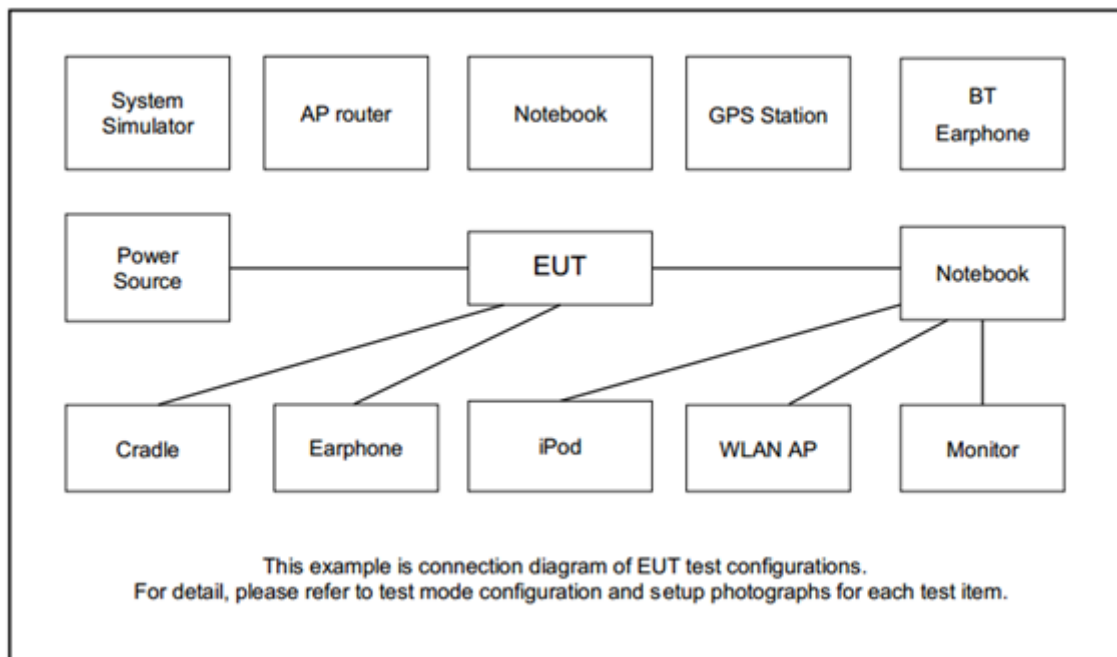
2.1. Test Mode

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 + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 1) + Camera (Rear) for Sample 1
	Mode 2: WCDMA V Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 1) + MPEG4 for Sample 1
	Mode 3: WCDMA II Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 1) + FM Rx (98MHz) for Sample 1
	Mode 4: LTE Band 7 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + GNSS Rx + USB Cable 1 (Data Link with Notebook) for Sample 1
	Mode 5: GSM 850 Idle + Earphone 2 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 2) + Camera (Rear) for Sample 1
	Mode 6: GSM 850 Idle + Earphone 2 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 2 (Charging from Adapter 2) + Camera (Rear) for Sample 1
	Mode 7: LTE Band 7 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + GNSS Rx + USB Cable 2 (Data Link with Notebook) for Sample 1
Radiated Emissions	Mode 1: GSM 850 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 1) + Camera (Rear) for Sample 1
	Mode 2: WCDMA V Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 1) + MPEG4 for Sample 1
	Mode 3: WCDMA II Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Charging from Adapter 1) + FM Rx (88MHz) for Sample 1
	Mode 4: LTE Band 7 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 1 (Data Link with Notebook) + GNSS Rx for Sample 1
	Mode 5: GSM 850 Idle + Earphone 2 + Bluetooth Idle + WLAN Idle (2.4GHz) + Adapter 2 + Camera (Rear) for Sample 1
	Mode 6: GSM 850 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 2 (Charging from Adapter 1) + Camera (Rear) for Sample 1
	Mode 7: LTE Band 7 Idle + Earphone 1 + Bluetooth Idle + WLAN Idle (2.4GHz) + USB Cable 2 (Data Link with Notebook) + GNSS Rx for Sample 1
Remark: <ol style="list-style-type: none"> The worst case of AC is mode 5; only the test data of this mode was reported. The worst case of RE is mode 7; only the test data of this mode was reported. For radiation emission after pre-scanned the cellular band between 30MHz ~ 960MHz (GSM850/WCDMA Band V); only the worst case for cellular band test data of this mode was reported. 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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A
4.	Bluetooth Earphone	Xiaomi	LYEJ02LM	N/A	N/A	N/A
5.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	Shielded Cable DC O/P 1.8m, Unshielded AC I/P Cable 1.8m
6.	Notebook	Lenovo	V130-141KB001	N/A	N/A	Unshielded, 1.8m
7.	iPod	Apple	A1199	FCC DoC	Shielded, 1.2 m	N/A
8.	Router	D-link	DIR-655	KA21R655B1	N/A	Unshielded, 1.8m
9.	Router	TP-Link	TL-WDR5600	N/A	N/A	Unshielded, 1.8m
10.	Vector Signal Generator	R&S	SMBV100A	258305	N/A	N/A
11.	Signal Generator	R&S	SMBV100A	N/A	N/A	Unshielded, 1.8m
12.	Hard disk	Lenovo	FH310	Fcc DoC	Shielded, 1.2m	N/A
13.	SD Card	Kingston	8GB	N/A	N/A	N/A
14.	SD Card	SanDisk	Ultra	N/A	N/A	N/A



2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA or LTE idle mode during the testing. The EUT was synchronized with the BCCH, and had been continuous receiving mode by setting paging reorganization of the system simulator.

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 Laptop and EUT via USB cable.
2. Execute GNSS function to make the EUT receive continuous signals from GNSS station.
3. Turn on MPEG4 function.
4. Turn on camera to capture images.
5. Turn on FM receiver function to make the EUT receive continuous signals from FM 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>

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.

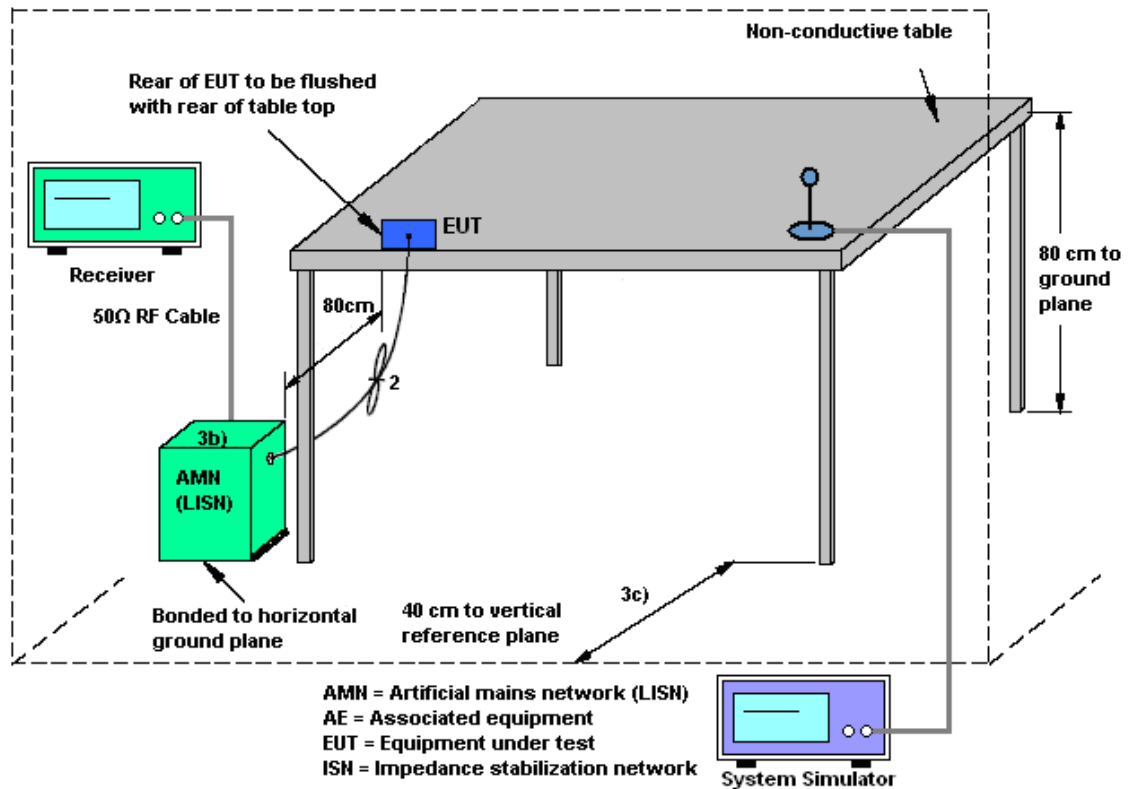
3.1.2. Measuring Instruments

Refer a test equipment and calibration data table in 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

Please refer to Appendix A.

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>

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

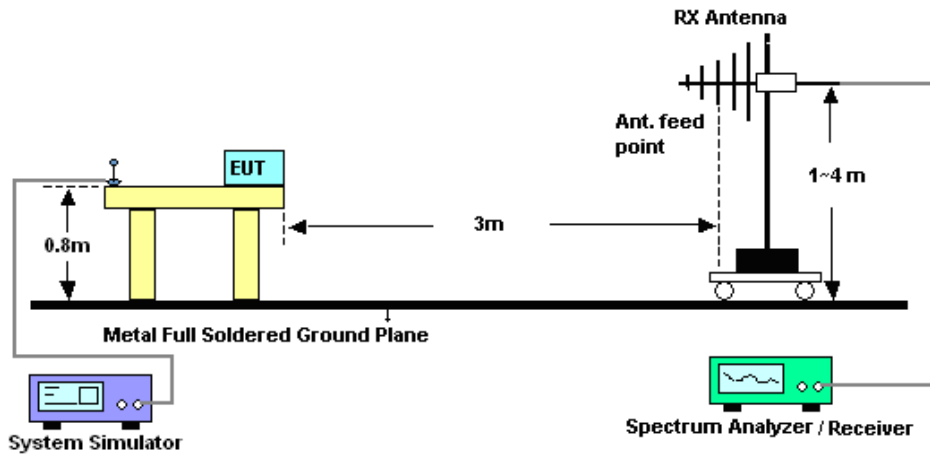
Refer a test equipment and calibration data table in this test report.

3.2.3. Test Procedures

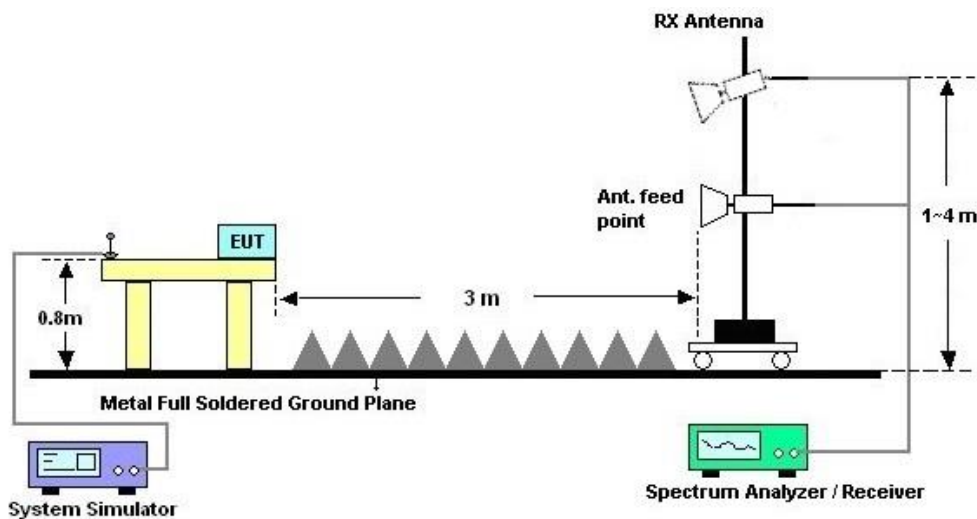
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna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

Please refer to Appendix B.



4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	R&S	ESCI7	100768	9kHz~7GHz;Max input Power 30dBm	Apr. 16, 2019	Jan. 17, 2020	Apr. 15, 2020	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V,45Hz~1000Hz	Oct. 18, 2019	Jan. 17, 2020	Oct. 17, 2020	Conduction (CO01-KS)
LISN	MessTec	AN3016	60103	9kHz~30MHz,Max AC 0~240/0~63Hz/16A	Oct. 18, 2019	Jan. 17, 2020	Oct. 17, 2020	Conduction (CO01-KS)
LISN	MessTec	AN3016	60105	9kHz~30MHz,Max AC 0~240/0~63Hz/16A	Oct. 28, 2019	Jan. 17, 2020	Oct. 27, 2020	Conduction (CO01-KS)
EMI Test Receiver	Keysight	9038A	MY56400023	3Hz~8.4GHz	Oct. 19, 2019	Dec. 25, 2019	Oct. 18, 2020	Radiation (03CH06-KS)
EXA Spectrum	Keysight	N9010A	MY55370528	10Hz~44G,MAX 30dB	Oct. 10, 2019	Dec. 25, 2019	Oct. 09, 2020	Radiation (03CH06-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	May 30, 2019	Dec. 25, 2019	May 29, 2020	Radiation (03CH06-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75959	1GHz~18GHz	Jun. 27, 2019	Dec. 25, 2019	Jun. 26, 2020	Radiation (03CH06-KS)
Amplifier	SONOMA INSTRUMENT	310N	380826	0.009MHz~1000 MHz	Jun. 14, 2019	Dec. 25, 2019	Jun. 13, 2020	Radiation (03CH06-KS)
Amplifier	Keysight	83017A	MY57280106	500M~26.5GHz	Apr. 18, 2019	Dec. 25, 2019	Apr. 17, 2020	Radiation (03CH06-KS)

5. Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	2.9 dB
---	--------

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

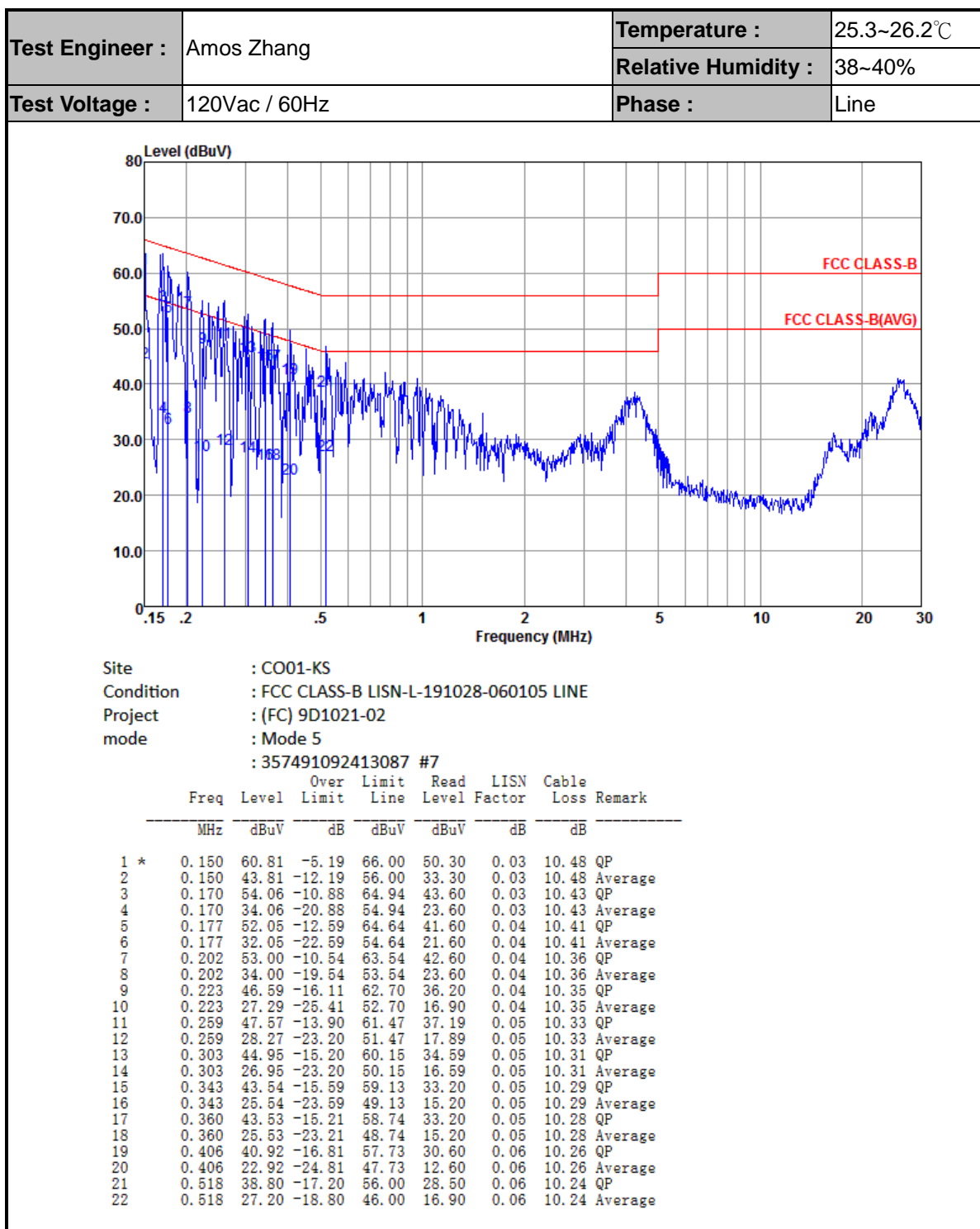
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.0 dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.0 dB
---	--------

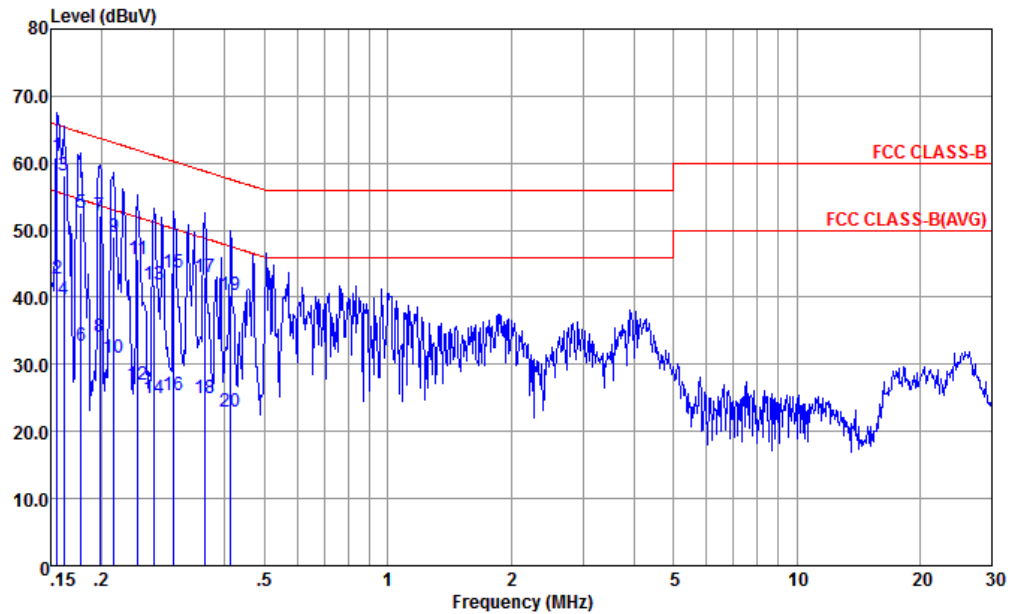


Appendix A. AC Conducted Emission Test Results





Test Engineer :	Amos Zhang	Temperature :	25.3~26.2℃
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral



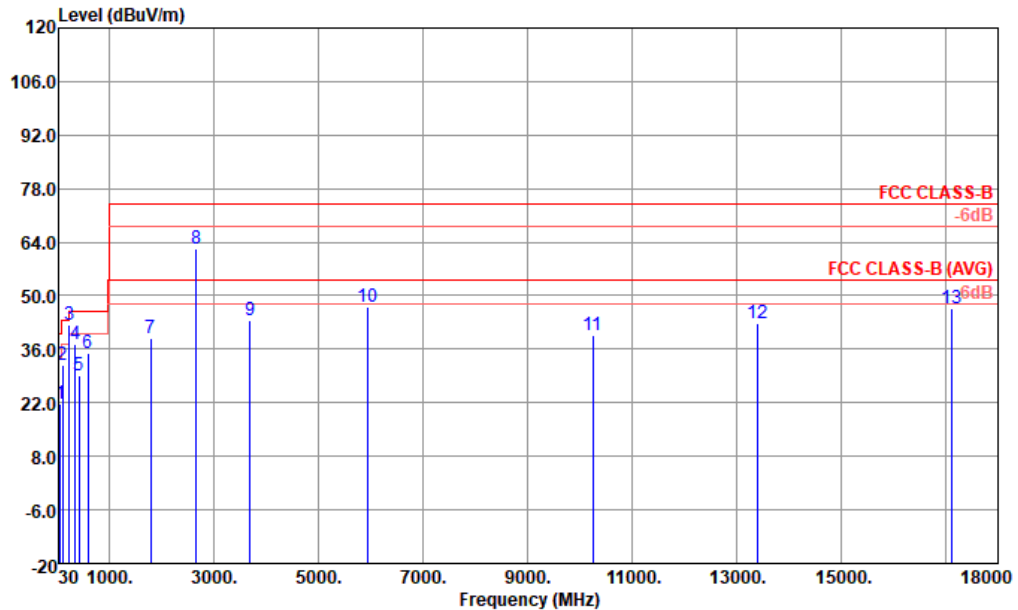
Site : CO01-KS
Condition : FCC CLASS-B LISN-N-191028-060105 NEUTRAL
Project : (FC) 9D1021-02
mode : Mode 5
: 357491092413087 #7

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.156	61.15	-4.54	65.69	50.60	0.08	10.47	QP
2	0.156	42.85	-12.84	55.69	32.30	0.08	10.47	Average
3	0.162	58.13	-7.25	65.38	47.60	0.08	10.45	QP
4	0.162	39.73	-15.65	55.38	29.20	0.08	10.45	Average
5	0.178	52.69	-11.90	64.59	42.20	0.08	10.41	QP
6	0.178	32.79	-21.80	54.59	22.30	0.08	10.41	Average
7	0.198	52.05	-11.66	63.71	41.60	0.08	10.37	QP
8	0.198	34.05	-19.66	53.71	23.60	0.08	10.37	Average
9	0.214	49.07	-13.98	63.05	38.64	0.08	10.35	QP
10	0.214	31.04	-22.01	53.05	20.61	0.08	10.35	Average
11	0.246	45.62	-16.29	61.91	35.20	0.08	10.34	QP
12	0.246	27.02	-24.89	51.91	16.60	0.08	10.34	Average
13	0.269	41.91	-19.25	61.16	31.50	0.09	10.32	QP
14	0.269	24.91	-26.25	51.16	14.50	0.09	10.32	Average
15	0.300	43.70	-16.54	60.24	33.30	0.09	10.31	QP
16	0.300	25.30	-24.94	50.24	14.90	0.09	10.31	Average
17	0.356	42.98	-15.85	58.83	32.61	0.09	10.28	QP
18	0.356	24.88	-23.95	48.83	14.51	0.09	10.28	Average
19	0.413	40.26	-17.33	57.59	29.90	0.10	10.26	QP
20	0.413	22.96	-24.63	47.59	12.60	0.10	10.26	Average



Appendix B. Radiated Emission Test Result

Test Engineer :	Jack Guo	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#8 is system simulator signal which can be ignored.		

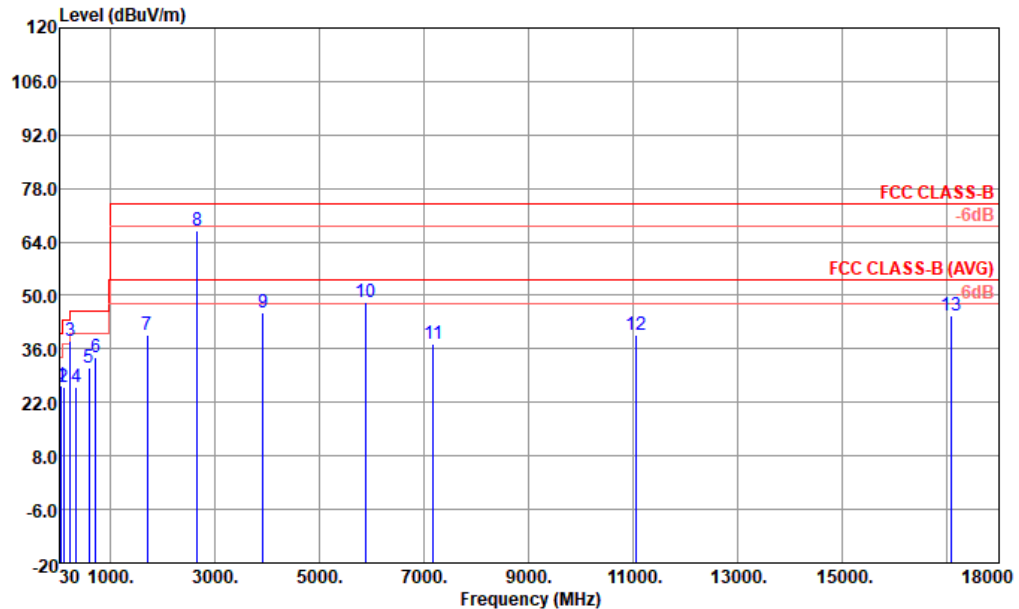


Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6112D SN 23188 HORIZONTAL
Project : (EW) 9D1021-02
Mode : 7
IMEI : 35491092413087 #7
Battery : 42%
PC/NB USB Data Link to EUT(SD)

	Freq	Level	Over	Limit	Link	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg	
1	71.71	21.62	-18.38	40.00	40.42	12.70	1.42	32.92	---	---	Peak
2	109.54	31.76	-11.74	43.50	45.47	17.52	1.70	32.93	---	---	Peak
3	236.61	42.36	-3.64	46.00	55.83	17.08	2.42	32.97	100	240	QP
4	354.95	37.30	-8.70	46.00	46.89	20.58	2.92	33.09	---	---	Peak
5	417.03	29.00	-17.00	46.00	36.97	22.01	3.18	33.16	---	---	Peak
6	588.72	35.15	-10.85	46.00	40.42	24.47	3.60	33.34	---	---	Peak
7	1795.00	39.00	-35.00	74.00	34.05	30.40	6.37	31.82	---	---	Peak
8	2660.00	62.35			53.77	32.13	7.77	31.32	---	---	Peak
9	3695.00	43.56	-30.44	74.00	31.97	33.30	9.15	30.86	---	---	Peak
10	5940.00	47.20	-26.80	74.00	30.49	35.20	11.90	30.39	---	---	Peak
11	10248.00	39.72	-34.28	74.00	17.84	37.60	14.98	30.70	---	---	Peak
12	13392.00	42.65	-31.35	74.00	17.52	38.70	17.60	31.17	---	---	Peak
13	17124.00	46.66	-27.34	74.00	16.22	41.27	20.67	31.50	---	---	Peak



Test Engineer :	Jack Guo	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#8 is system simulator signal which can be ignored.		



Site : 03CH06-KS
Condition : FCC CLASS-B 3m CBL6112D SN 23188 VERTICAL
Project : (EW)9D1021-02
Mode : 7
IMEI : 35491092413087 #7
Battery : 42%
PC/NB USB Data Link to EUT(SD)

	Freq	Level	Over	Limit	Link to	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg	
1	64.92	26.42	-13.58	40.00	45.39	12.60	1.37	32.94	---	---	Peak
2	107.60	26.06	-17.44	43.50	39.91	17.40	1.68	32.93	---	---	Peak
3	236.61	38.14	-7.86	46.00	51.61	17.08	2.42	32.97	100	360	Peak
4	354.95	26.07	-19.93	46.00	35.66	20.58	2.92	33.09	---	---	Peak
5	593.57	31.07	-14.93	46.00	36.21	24.53	3.67	33.34	---	---	Peak
6	723.55	33.71	-12.29	46.00	37.60	25.18	4.13	33.20	---	---	Peak
7	1710.00	39.73	-34.27	74.00	35.77	29.63	6.23	31.90	---	---	Peak
8	2660.00	66.91			58.33	32.13	7.77	31.32	---	---	Peak
9	3920.00	45.50	-28.50	74.00	33.32	33.50	9.41	30.73	---	---	Peak
10	5885.00	48.39	-25.61	74.00	31.84	35.07	11.84	30.36	---	---	Peak
11	7176.00	37.41	-36.59	74.00	18.38	36.33	13.67	30.97	---	---	Peak
12	11052.00	39.50	-34.50	74.00	16.98	37.90	15.62	31.00	---	---	Peak
13	17100.00	44.91	-29.09	74.00	14.46	41.30	20.66	31.51	---	---	Peak