



FCC Test Report

APPLICANT : Lenovo (Shanghai) Electronics
Technology Co., Ltd.
EQUIPMENT : Portable Tablet Computer
BRAND NAME : Lenovo
MODEL NAME : Lenovo YT-X705L, Lenovo YT-X705X
FCC ID : O57YTX705L
STANDARD : 47 CFR Part 15 Subpart B
CLASSIFICATION : Certification

The product was received on May 09, 2019 and testing was completed on Jun. 12, 2019. 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.

Jason Jia

Reviewed by: Jason Jia / Supervisor

James Huang

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



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SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	Under limit 9.73 dB at 1.403 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 6.99 dB at 42.610 MHz



1. General Description

1.1. Applicant

Lenovo (Shanghai) Electronics Technology Co., Ltd.

Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone

1.2. Manufacturer

Lenovo PC HK Limited

23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong

1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	Portable Tablet Computer
Brand Name	Lenovo
Model Name	Lenovo YT-X705L, Lenovo YT-X705X
FCC ID	O57YTX705L
EUT supports Radios application	GSM/WCDMA/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 FM Receiver/GNSS
IMEI Code	Conduction: 868521040050334 for Sample 1 865913040004143 for Sample 3 865913040004887 for Sample 4 Radiation: 868521040050268 for Sample 1 865913040004101 for Sample 3 865913040004457 for Sample 4
HW Version	Lenovo Tablet YT-X705L for Data, Lenovo Tablet YT-X705X for Voice
SW Version	YT-X705L_RF01_190516 for Data, YT-X705X_RF01_190516 for Voice
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 one type of EUT (model name, Lenovo YT-X705L) has four samples, the other type of EUT (model name, Lenovo YT-X705X) has four samples, the difference could be referred to the product equality declaration which is exhibit separately. According to the difference, we choose the EUT (Model name, Lenovo YT-X705X) to full test.



- 3. For the EUT (Model name, Lenovo YT-X705X), the sample 1/2 only the differences for memory capacity, the sample 3/4 has different suppliers of memory, the details refer to the product equality declaration which is exhibit separately. So we choose sample 1 to full test and sample 3/4 is verified the difference.

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 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 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 ~ 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 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 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 ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz GNSS : 1559 MHz ~ 1610 MHz FM : 87.5MHz ~ 108MHz
Antenna Type	WWAN : IFA Antenna WLAN : IFA Antenna Bluetooth : IFA Antenna GNSS: IFA Antenna FM : External Handset 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 (16QAM uplink is not supported)



	DC-HSDPA : 64QAM LTE: QPSK / 16QAM 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
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Note:

1. GNSS Rx = GPS Rx + Glonass Rx + Beidou Rx
2. WLAN operation in 5600 MHz ~ 5650 MHz is notched.

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/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	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.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-KS 03CH02-KS	CN1257	314309

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.



2. Test Configuration of Equipment Under Test

2.1. Test Mode

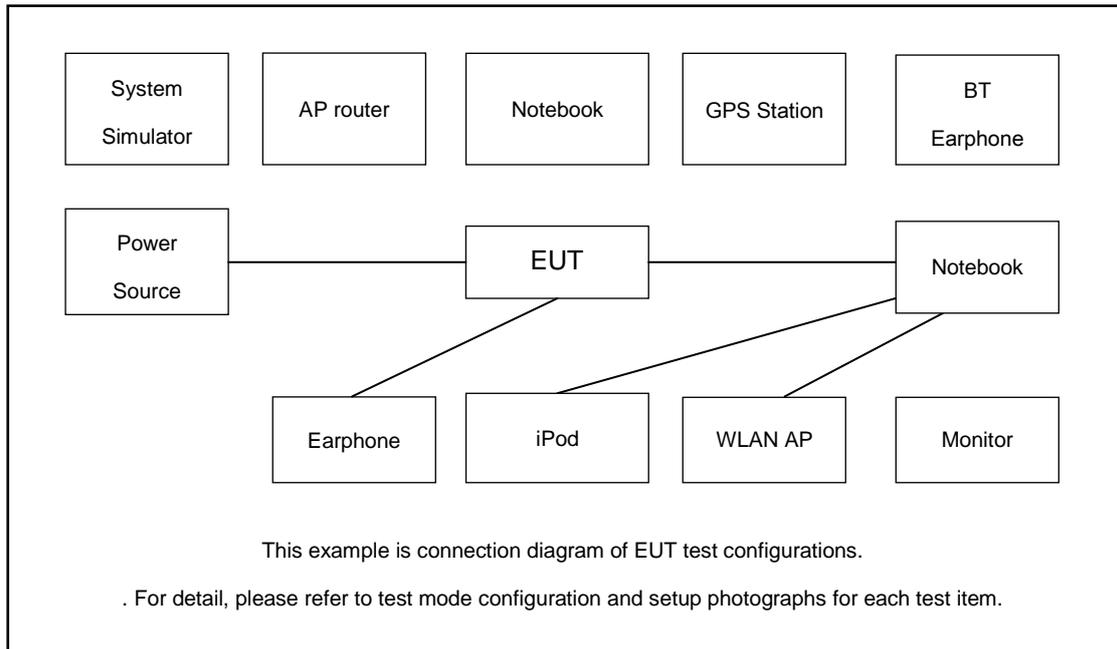
The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

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 Rx(Middle) + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Earphone + USB Cable 1(Charging from Adapter 1) + SIM 1 for Sample 1
	Mode 2: PCS 1900 Rx + Bluetooth Idle + WLAN (5G) Idle + Camera(Front) + Earphone + USB Cable 2(Charging from Adapter 2) + SIM 2 for Sample 1
	Mode 3: LTE Band 5 Rx(High) + Bluetooth Idle + WLAN (2.4G) Idle + MPEG4 + Earphone + USB Cable 1(Charging from Adapter 1) + SIM 1 for Sample 1
	Mode 4: LTE Band 4 Rx + Bluetooth Idle + WLAN (5G) Idle + FM Rx(98MHz) + Earphone + USB Cable 1(Charging from Adapter 1) + SIM 2 for Sample 1
	Mode 5: LTE Band 2 Rx + Bluetooth Idle + WLAN Idle(2.4G) + GNSS Rx + Earphone + USB Cable 1(Data Link with Notebook) + SIM 1 + Sample 1
	Mode 6: LTE Band 7 Rx + Bluetooth Idle + WLAN Idle(5G) + GNSS Rx + Earphone + USB Cable 2(Data Link with Notebook) + SIM 2 + Sample 1
	Mode 7: GSM 850 Rx(Middle) + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Earphone + USB Cable 1(Charging from Adapter 1) + SIM 1 for Sample 3
	Mode 8: LTE Band 2 Rx + Bluetooth Idle + WLAN Idle(2.4G) + GNSS Rx + Earphone + USB Cable 1(Data Link with Notebook) + SIM 1 + Sample 3
	Mode 9: LTE Band 2 Rx + Bluetooth Idle + WLAN Idle(2.4G) + GNSS Rx + Earphone + USB Cable 1(Data Link with Notebook) + SIM 1 + Sample 4

Radiated Emissions	<p>Mode 1: GSM 850 Rx(Middle) + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Earphone + USB Cable 1(Charging from Adapter 1) + SIM 1 for Sample 1</p> <p>Mode 2: PCS 1900 Rx + Bluetooth Idle + WLAN (5G) Idle + Camera(Front) + Earphone + USB Cable 2(Charging from Adapter 2) + SIM 2 for Sample 1</p> <p>Mode 3: LTE Band 5 Rx(High) + Bluetooth Idle + WLAN (2.4G) Idle + MPEG4 + Earphone + USB Cable 1(Charging from Adapter 1) + SIM 1 for Sample 1</p> <p>Mode 4: LTE Band 4 Rx + Bluetooth Idle + WLAN (5G) Idle + FM Rx(98MHz) + Earphone + USB Cable 1(Charging from Adapter 1) + SIM 2 for Sample 1</p> <p>Mode 5: LTE Band 2 Rx + Bluetooth Idle + WLAN Idle(2.4G) + GNSS Rx + Earphone + USB Cable 1(Data Link with Notebook) + SIM 1 + Sample 1</p> <p>Mode 6: LTE Band 7 Rx + Bluetooth Idle + WLAN Idle(5G) + GNSS Rx + Earphone + USB Cable 2(Data Link with Notebook) + SIM 2 + Sample 1</p> <p>Mode 7: LTE Band 2 Rx + Bluetooth Idle + WLAN Idle(2.4G) + GNSS Rx + Earphone + USB Cable 1(Data Link with Notebook) + SIM 1 + Sample 3</p> <p>Mode 8: GSM 850 Rx(Middle) + Bluetooth Idle + WLAN (2.4G) Idle + Camera(Rear) + Earphone + USB Cable 1(Charging from Adapter 1) + SIM 1 for Sample 3</p> <p>Mode 9: LTE Band 2 Rx + Bluetooth Idle + WLAN Idle(2.4G) + GNSS Rx + Earphone + USB Cable 1(Data Link with Notebook) + SIM 1 + Sample 4</p>
Remark:	
<ol style="list-style-type: none"> 1. The worst case of AC is mode 7; only the test data of this mode is reported. 2. The worst case of RE is mode 9; only the test data of this mode is reported. 3. Data Link with Notebook means data application transferred mode between EUT and Notebook. 4. Pre-scanned Low/Middle/High channel for GSM/LTE Band 5, FM Rx, the worst channel was recorded in this report. 	

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	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8m
3.	Signal Generator	R&S	SMBV100A	N/A	N/A	Unshielded, 1.8m
4.	WLAN AP	D-link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8m
5.	WLAN AP	TP-Link	TL-WDR5600	N/A	N/A	Unshielded, 1.8m
6.	WLAN AP	ASUS	AC66U	N/A	N/A	Unshielded, 1.8m
7.	Notebook	Lenovo	G480	PRC4	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
8.	Notebook	DELL	Latitude3440	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
9.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A
10.	Bluetooth Earphone	Xiaomi	LYEJ02LM	N/A	N/A	N/A
11.	SD Card	Kingston	8GB	N/A	N/A	N/A
12.	SD Card	SanDisk	Uitra	N/A	N/A	N/A
13.	Earphone	Lenovo	P121	N/A	N/A	Unshielded, 1.2m
14.	Earphone	Lenovo	N/A	N/A	N/A	N/A
15.	Hard Disk	Lenovo	FH310	N/A	N/A	N/A

2.4. EUT Operation Test Setup

The EUT was in GSM 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. Execute "Windows Media Player" to play MPEG4 files.
4. Turn on camera to capture images.
5. Turn on FM function to make the EUT receive continuous signals from FM Generator.



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 (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.

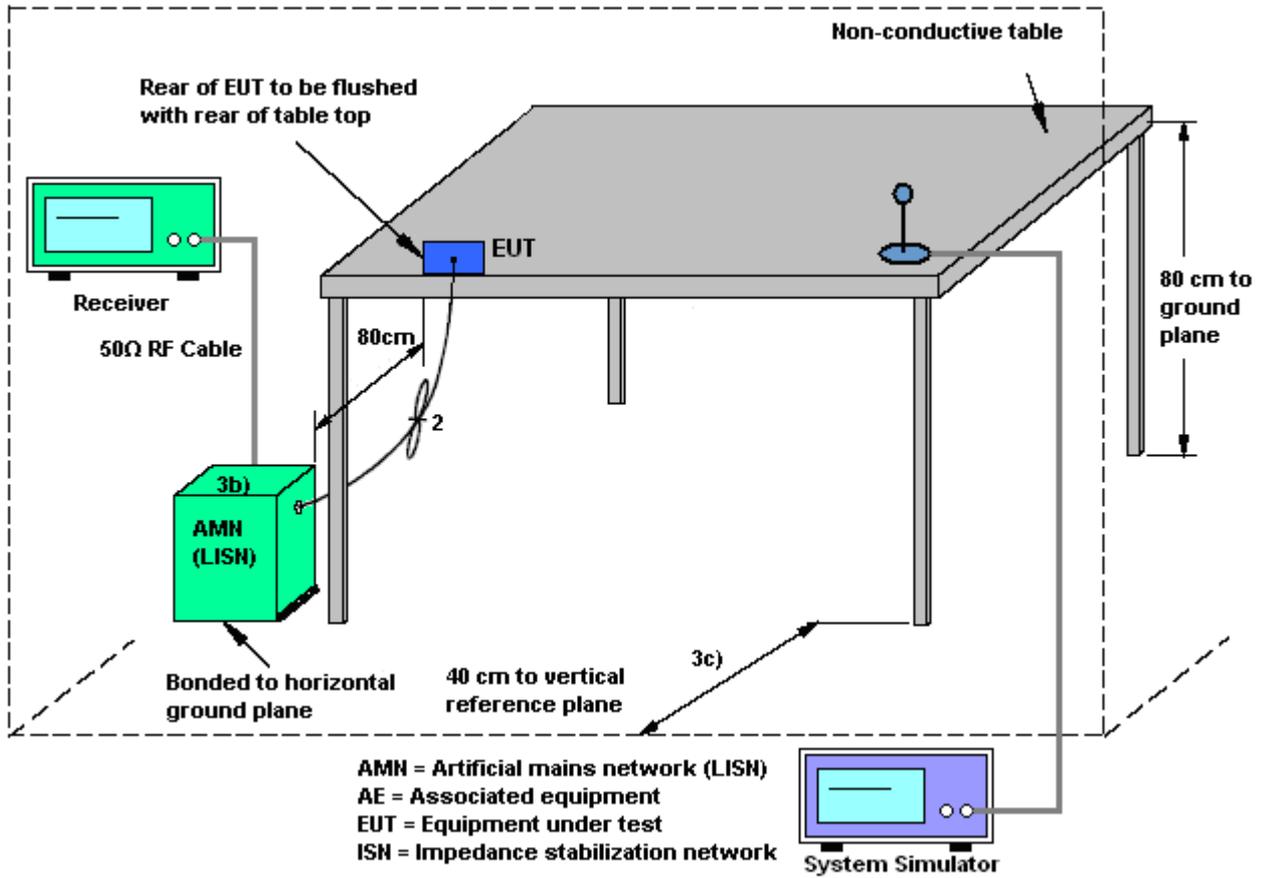
3.1.2 Measuring Instruments

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

3.1.3 Test Procedure

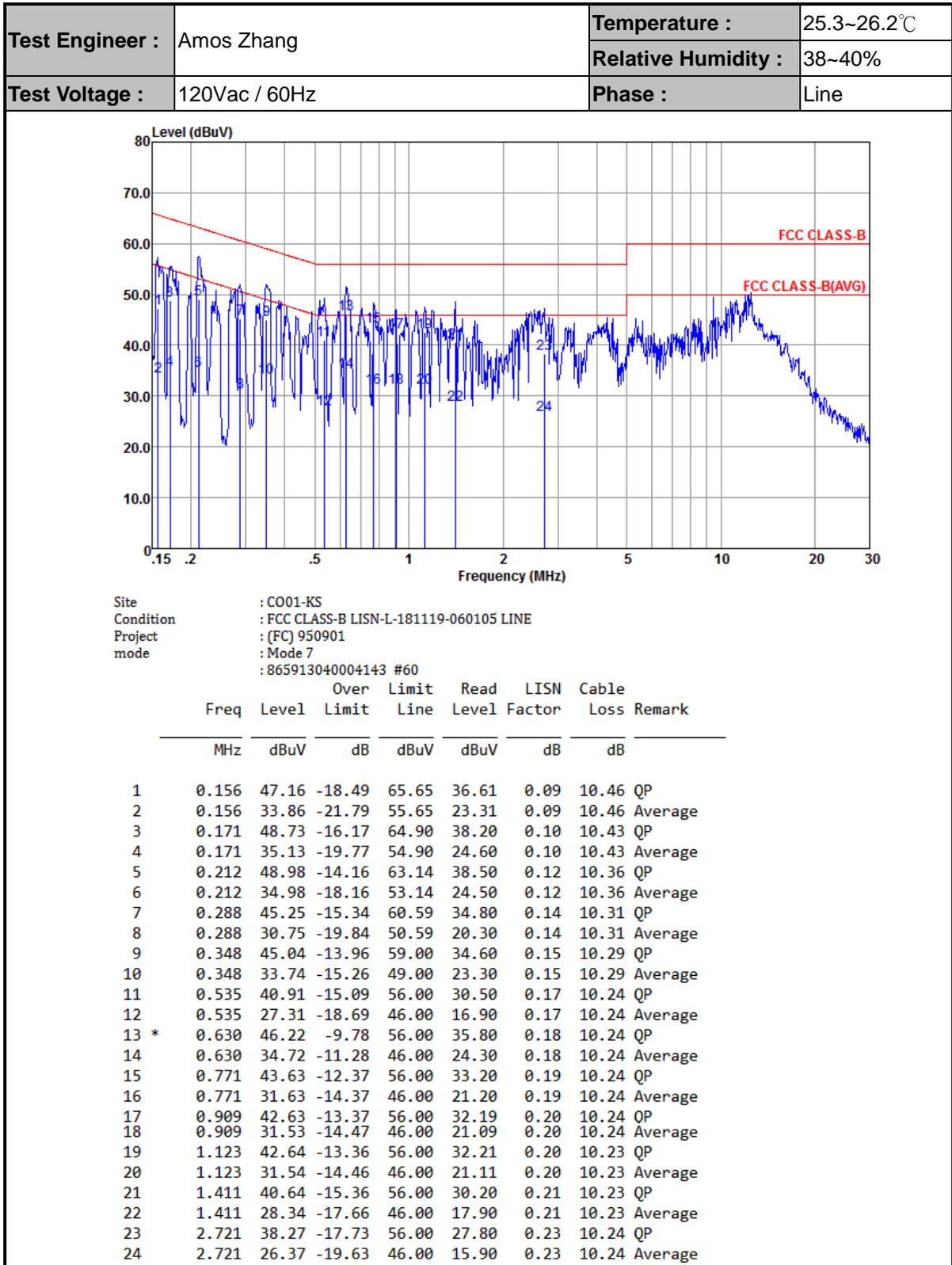
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
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



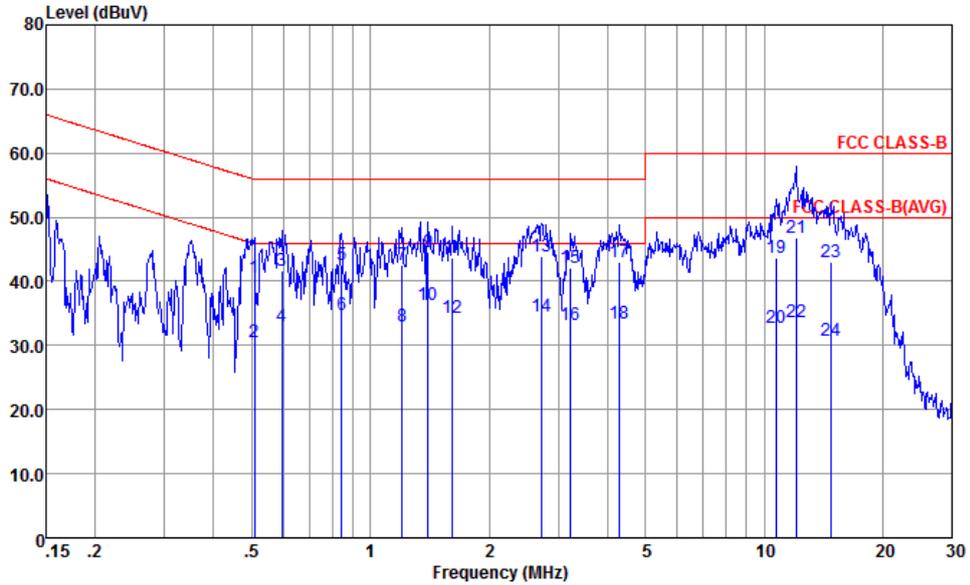


3.1.5 Test Result of AC Conducted Emission





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



Site : CO01-KS
 Condition : FCC CLASS-B LISN-N-181119-060105 NEUTRAL
 Project : (FC) 950901
 mode : Mode 7
 : 865913040004143 #60

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.507	40.58	-15.42	56.00	30.19	0.15	10.24	QP
2	0.507	30.58	-15.42	46.00	20.19	0.15	10.24	Average
3	0.595	41.58	-14.42	56.00	31.20	0.14	10.24	QP
4	0.595	32.98	-13.02	46.00	22.60	0.14	10.24	Average
5	0.844	42.57	-13.43	56.00	32.20	0.13	10.24	QP
6	0.844	34.67	-11.33	46.00	24.30	0.13	10.24	Average
7	1.203	42.57	-13.43	56.00	32.20	0.14	10.23	QP
8	1.203	32.97	-13.03	46.00	22.60	0.14	10.23	Average
9	1.403	44.57	-11.43	56.00	34.20	0.14	10.23	QP
10 *	1.403	36.27	-9.73	46.00	25.90	0.14	10.23	Average
11	1.619	43.57	-12.43	56.00	33.20	0.14	10.23	QP
12	1.619	34.27	-11.73	46.00	23.90	0.14	10.23	Average
13	2.721	43.90	-12.10	56.00	33.50	0.16	10.24	QP
14	2.721	34.60	-11.40	46.00	24.20	0.16	10.24	Average
15	3.224	42.01	-13.99	56.00	31.60	0.17	10.24	QP
16	3.224	33.31	-12.69	46.00	22.90	0.17	10.24	Average
17	4.269	42.93	-13.07	56.00	32.50	0.17	10.26	QP
18	4.269	33.33	-12.67	46.00	22.90	0.17	10.26	Average
19	10.733	43.71	-16.29	60.00	33.20	0.16	10.35	QP
20	10.733	32.71	-17.29	50.00	22.20	0.16	10.35	Average
21	12.060	46.71	-13.29	60.00	36.19	0.15	10.37	QP
22	12.060	33.71	-16.29	50.00	23.19	0.15	10.37	Average
23	14.750	43.12	-16.88	60.00	32.61	0.12	10.39	QP
24	14.750	30.72	-19.28	50.00	20.21	0.12	10.39	Average

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 (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

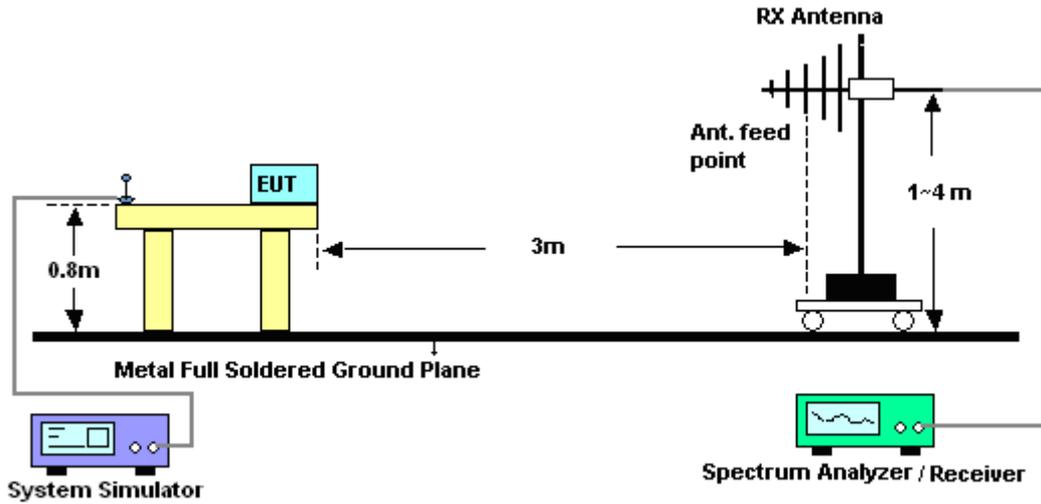
The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

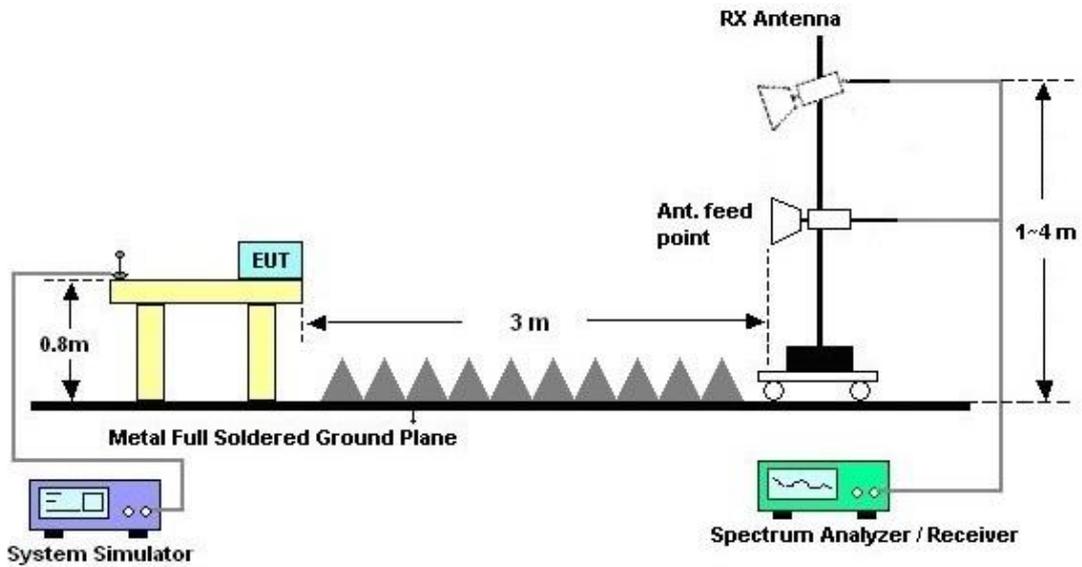
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna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

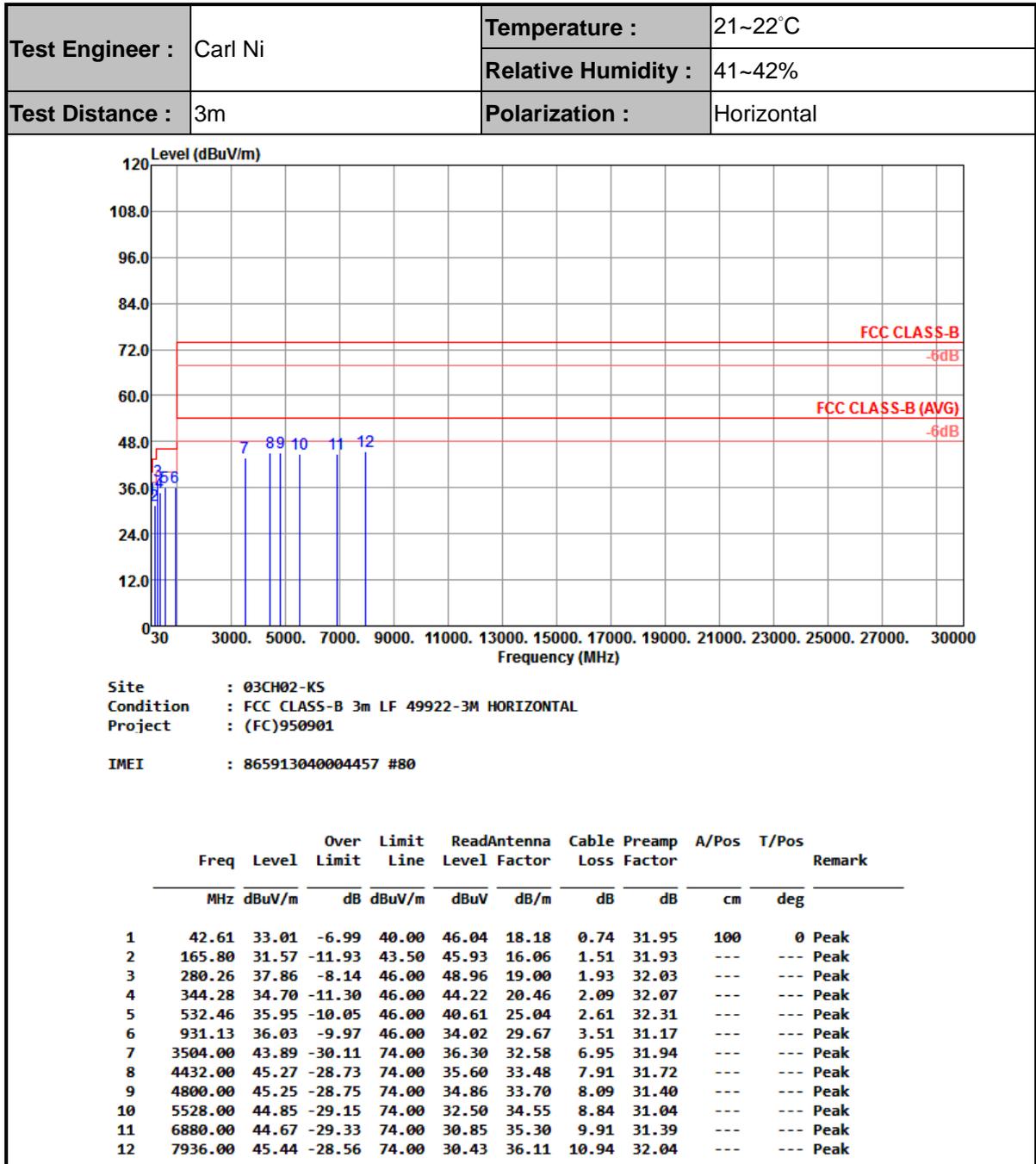


For radiated emissions above 1GHz



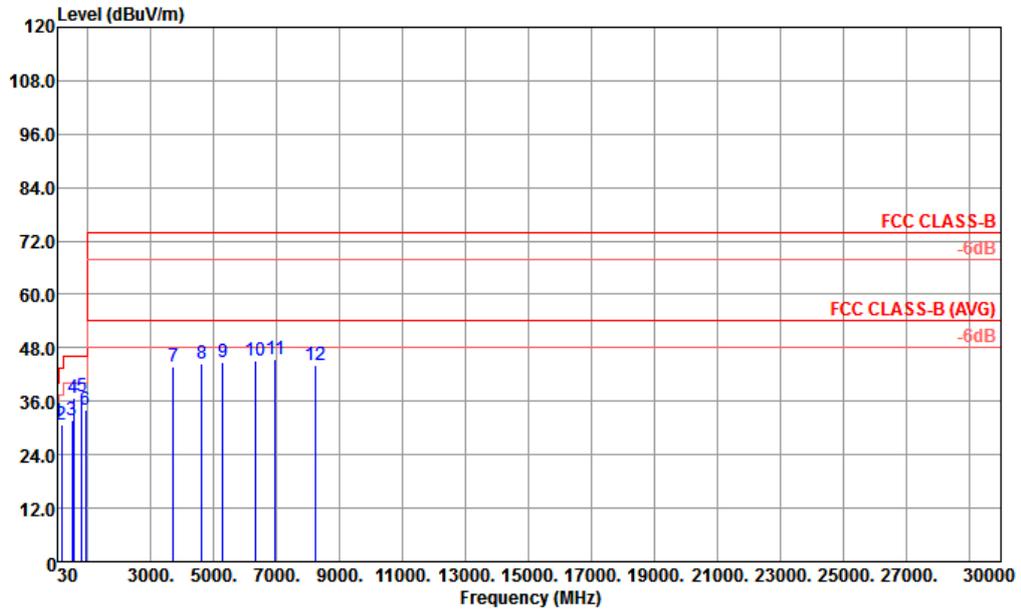


3.2.5. Test Result of Radiated Emission





Test Engineer :	Carl Ni	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical



Site : 03CH02-KS
 Condition : FCC CLASS-B 3m LF 49922-3M VERTICAL
 Project : (FC)950901

IMEI : 865913040004457 #80

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	43.58	31.57	-8.43	40.00	45.13	17.64	0.75	31.95	100	0 Peak	
2	165.80	30.74	-12.76	43.50	45.10	16.06	1.51	31.93	---	---	Peak
3	498.51	31.66	-14.34	46.00	37.20	24.17	2.55	32.26	---	---	Peak
4	531.49	36.86	-9.14	46.00	41.55	25.02	2.60	32.31	---	---	Peak
5	796.30	37.16	-8.84	46.00	37.71	28.32	3.26	32.13	---	---	Peak
6	924.34	34.05	-11.95	46.00	32.19	29.59	3.50	31.23	---	---	Peak
7	3720.00	43.83	-30.17	74.00	35.23	33.40	7.16	31.96	---	---	Peak
8	4616.00	44.54	-29.46	74.00	34.61	33.52	7.97	31.56	---	---	Peak
9	5280.00	44.77	-29.23	74.00	33.05	34.25	8.60	31.13	---	---	Peak
10	6296.00	45.19	-28.81	74.00	32.19	35.11	9.45	31.56	---	---	Peak
11	6944.00	45.36	-28.64	74.00	31.42	35.30	9.94	31.30	---	---	Peak
12	8232.00	44.24	-29.76	74.00	28.91	36.28	11.06	32.01	---	---	Peak



4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESC17	100768	9kHz~7GHz;	Apr. 16, 2019	Jun. 12, 2019	Apr. 15, 2020	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 12, 2018	Jun. 12, 2019	Oct. 11, 2019	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Nov. 19, 2018	Jun. 12, 2019	Nov. 18, 2019	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 12, 2018	Jun. 12, 2019	Oct. 11, 2019	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Max 30dBm	Aug. 06, 2018	Jun. 09, 2019	Aug. 05, 2019	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz-44G,MAX 30dB	Apr. 15, 2019	Jun. 09, 2019	Apr. 14, 2020	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	23182	30MHz-2GHz	Dec. 29, 2018	Jun. 09, 2019	Dec. 28, 2019	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75959	1GHz~18GHz	Jan. 27, 2019	Jun. 09, 2019	Jan. 26, 2020	Radiation (03CH02-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2019	Jun. 09, 2019	Jan. 04, 2020	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Aug. 06, 2018	Jun. 09, 2019	Aug. 05, 2019	Radiation (03CH02-KS)
Amplifier	Keysight	83017A	MY57280106	500MHz~26.5GHz	Apr. 15, 2019	Jun. 09, 2019	Apr. 14, 2020	Radiation (03CH02-KS)
Amplifier	MITEQ	TTA1840-35-HG	1887435	18~40GHz	Jan. 14, 2019	Jun. 09, 2019	Jan. 13, 2020	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	616010002473	N/A	NCR	Jun. 09, 2019	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Jun. 09, 2019	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Jun. 09, 2019	NCR	Radiation (03CH02-KS)

NCR: No Calibration Required



5. Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.9 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

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