



FCC Test Report

APPLICANT : Lenovo(Shanghai) Electronics
Technology Co., Ltd.
EQUIPMENT : Portable Tablet Computer
BRAND NAME : Lenovo
MODEL NAME : Lenovo PB-6505M, Lenovo PB-6505MC
FCC ID : O57PB6505M
STANDARD : 47 CFR Part 15 Subpart B
CLASSIFICATION : Certification

The product was received on Oct. 27, 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



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC802704	Rev. 01	Initial issue of report	Jan. 21, 2019



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 9.63 dB at 0.561 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 6.15 dB at 187.140 MHz



1. General Description

1.1. Applicant

Lenovo(Shanghai) Electronics Technology Co., Ltd.
 NO.68 BUILDING, 199 FENJU RD, Pilot Free Trade Zone, 200131, China

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 PB-6505M, Lenovo PB-6505MC
FCC ID	O57PB6505M
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 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40 Bluetooth BR/EDR/LE
IMEI Code	Conduction: 868922040015253/868922040015261 for Sample 1 865350040007232/865350040007240 for Sample 2 868922040022077/868922040022085 for Sample 3 865350040010533/865350040010541 for Sample 4 Radiation: 868922040015410/868922040015428 for Sample 1 865350040007539/865350040007547 for Sample 2 868922040019750/868922040019768 for Sample 3 865350040011879/865350040011887 for Sample 4
HW Version	Lenovo Tablet PB-6505M Lenovo Tablet PB-6505MC
SW Version	PB-6505M_RF01_190214 PB-6505MC_RF01_190214
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 models Lenovo PB-6505M & Lenovo PB-6505MC: Lenovo PB-6505M is ROW SKU, Lenovo PB-6505MC is India SKU.



- 3. There are six samples, the detailed differences of six samples are shown in the product equality declaration which is exhibit separately.

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
Antenna Type	WWAN : PIFA Antenna WLAN : PIFA Antenna Bluetooth : PIFA Antenna GNSS: PIFA Antenna FM: External 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 / 64QAM 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. WLAN operation in 5600 MHz ~ 5650 MHz is notched.
2. GNSS = GPS + Glonass

1.5. Modification of EUT

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

1.6. Specification of Accessory

Specification of Accessory			
AC Adapter 1 (US)	Brand Name	Lenovo (Salom)	Model Name SC-41
	Power Rating	I/P: 100 - 240 Vac, 300mA, O/P: 5Vdc, 2000mA	
AC Adapter 1 (UK)	Brand Name	Lenovo (Salom)	Model Name SC-43
	Power Rating	I/P: 100 - 240 Vac, 300mA, O/P: 5Vdc, 2000mA	
AC Adapter 1 (AR)	Brand Name	Lenovo (Salom)	Model Name SC-46
	Power Rating	I/P: 100 - 240 Vac, 300mA, O/P: 5Vdc, 2000mA	
AC Adapter 2 (US)	Brand Name	Lenovo (Acbel)	Model Name SC-41
	Power Rating	I/P: 100 - 240 Vac, 300mA, O/P: 5Vdc, 2000mA	
AC Adapter 2 (UK)	Brand Name	Lenovo (Acbel)	Model Name SC-43
	Power Rating	I/P: 100 - 240 Vac, 300mA, O/P: 5Vdc, 2000mA	
AC Adapter 2 (AR)	Brand Name	Lenovo (Acbel)	Model Name SC-46
	Power Rating	I/P: 100 - 240 Vac, 300mA, O/P: 5Vdc, 2000mA	
Battery 1	Brand Name	Lenovo (NVT)	Model Name L18D1P33
	Power Rating	3.85Vdc,5180mAh	Type Li-ion
Battery 2	Brand Name	Lenovo (Sunwoda)	Model Name L18D1P33
	Power Rating	3.85Vdc,5180mAh	Type Li-ion
USB Cable 1	Brand Name	Lenovo (Leagtech)	Model Name 711300000371
	Signal Line	1.0 meter, shielded cable, without ferrite core	
USB Cable 2	Brand Name	Lenovo (Chinapysind)	Model Name 711300000441
	Signal Line	1.0 meter, shielded cable, without ferrite core	



1.7. 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.		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone, Jiangsu Province 215335, 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	CN5013	630927

1.8. 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: GSM850 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 1 + Camera(Rear) for Sample 1
	Mode 2: GSM1900 Idle + Bluetooth Idle + WLAN (5G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 1 + Camera(Front) for Sample 1
	Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 1 + MPEG4 for Sample 1
	Mode 4: LTE Band 4 Idle + Bluetooth Idle + WLAN (5G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 1 + FM Rx(98MHz) for Sample 1
	Mode 5: LTE Band 7 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 1(Data Link with Notebook) + Earphone + Battery 1 + GNSS Rx for Sample 1
	Mode 6: GSM1900 Idle + Bluetooth Idle + WLAN (5G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 1 + Camera(Front) for Sample 2
	Mode 7: GSM850 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 2 + Camera(Rear) for Sample 3
	Mode 8: LTE Band 7 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 1(Data Link with Notebook) + Earphone + Battery 2 + GNSS Rx for Sample 3
	Mode 9: GSM850 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 2 + Camera(Rear) for Sample 4
	Mode 10 : GSM850 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 2(Charging from Adapter 2) + Earphone + Battery 1 + Camera(Rear) for Sample 1

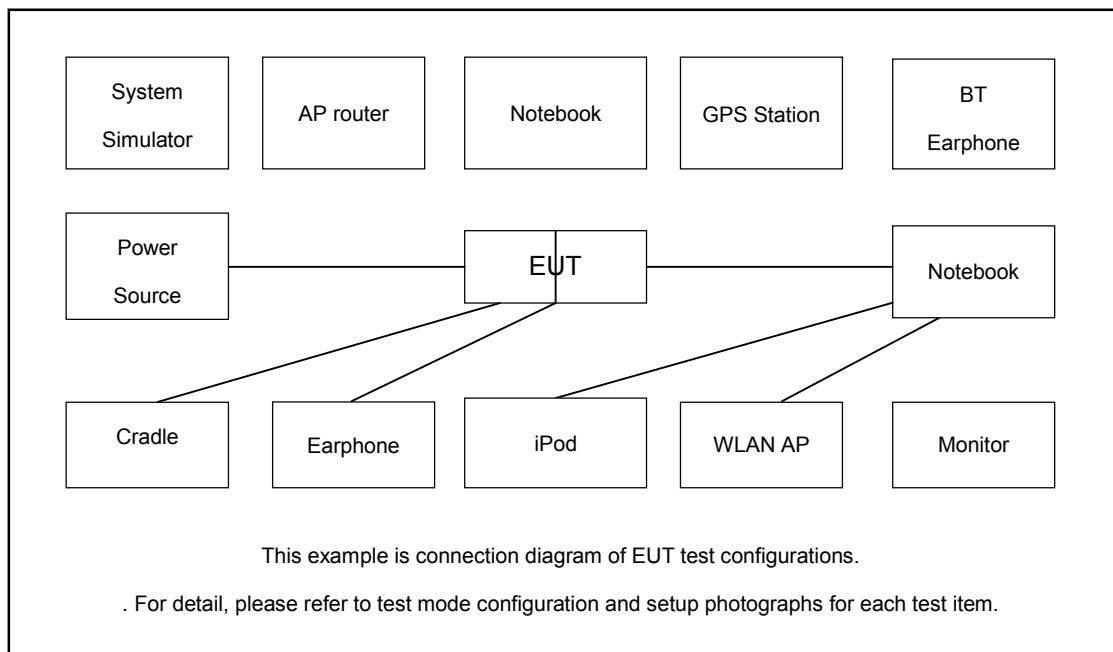


Radiated Emissions	Mode 1: GSM850 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 1 + Camera(Rear) for Sample 1
	Mode 2: GSM1900 Idle + Bluetooth Idle + WLAN (5G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 1 + Camera(Front) for Sample 1
	Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 1 + MPEG4 for Sample 1
	Mode 4: LTE Band 4 Idle + Bluetooth Idle + WLAN (5G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 1 + FM Rx(98MHz) for Sample 1
	Mode 5: LTE Band 7 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 1(Data Link with Notebook) + Earphone + Battery 1 + GNSS Rx for Sample 1
	Mode 6: GSM1900 Idle + Bluetooth Idle + WLAN (5G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 1 + Camera(Front) for Sample 2
	Mode 7: GSM850 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 1(Charging from Adapter 1) + Earphone + Battery 2 + Camera(Rear) for Sample 2
	Mode 8: LTE Band 7 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 1(Data Link with Notebook) + Earphone + Battery 2 + GNSS Rx for Sample 3
	Mode 9: LTE Band 7 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 1(Data Link with Notebook) + Earphone + Battery 2 + GNSS Rx for Sample 4
	Mode 10 : LTE Band 7 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 2(Charging from Adapter 2) + Earphone + Battery 2 + GNSS Rx for Sample 3
	Mode 11 : LTE Band 7 Idle + Bluetooth Idle + WLAN (2.4G) Idle + USB Cable 2(Data Link with Notebook) + Earphone + Battery 2 + GNSS Rx for Sample 3

Remark:

1. The worst case of AC is mode 10; only the test data of this mode is reported.
2. The worst case of RE is mode 8; only the test data of this mode is reported.
3. 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	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.	FM Generator	R&S	SMBV100A	N/A	N/A	Unshielded, 1.8 m
4.	GNSS Station	ADIVIC	MP9000	N/A	N/A	Unshielded, 1.8 m
5.	GNSS Station	RACELOGIC	RLLS03-2RP	N/A	N/A	Unshielded, 1.8 m
6.	WLAN AP	D-Link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8m
7.	WLAN AP	TP-LINK	TL-WDR5600	N/A	N/A	Unshielded, 1.8m
8.	Notebook	Lenovo	G480	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
9.	Notebook	Lenovo	Latitude 3480	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
10.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A
11.	Bluetooth Earphone	Xiaomi	LYEJ02LM	N/A	N/A	N/A
12.	SD Card	SanDisk	Uitra	N/A	N/A	N/A
13.	iPod	Apple	A1199	N/A	N/A	N/A
14.	Earphone	Lenovo	SH100	N/A	Unshielded, 1.2m	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 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

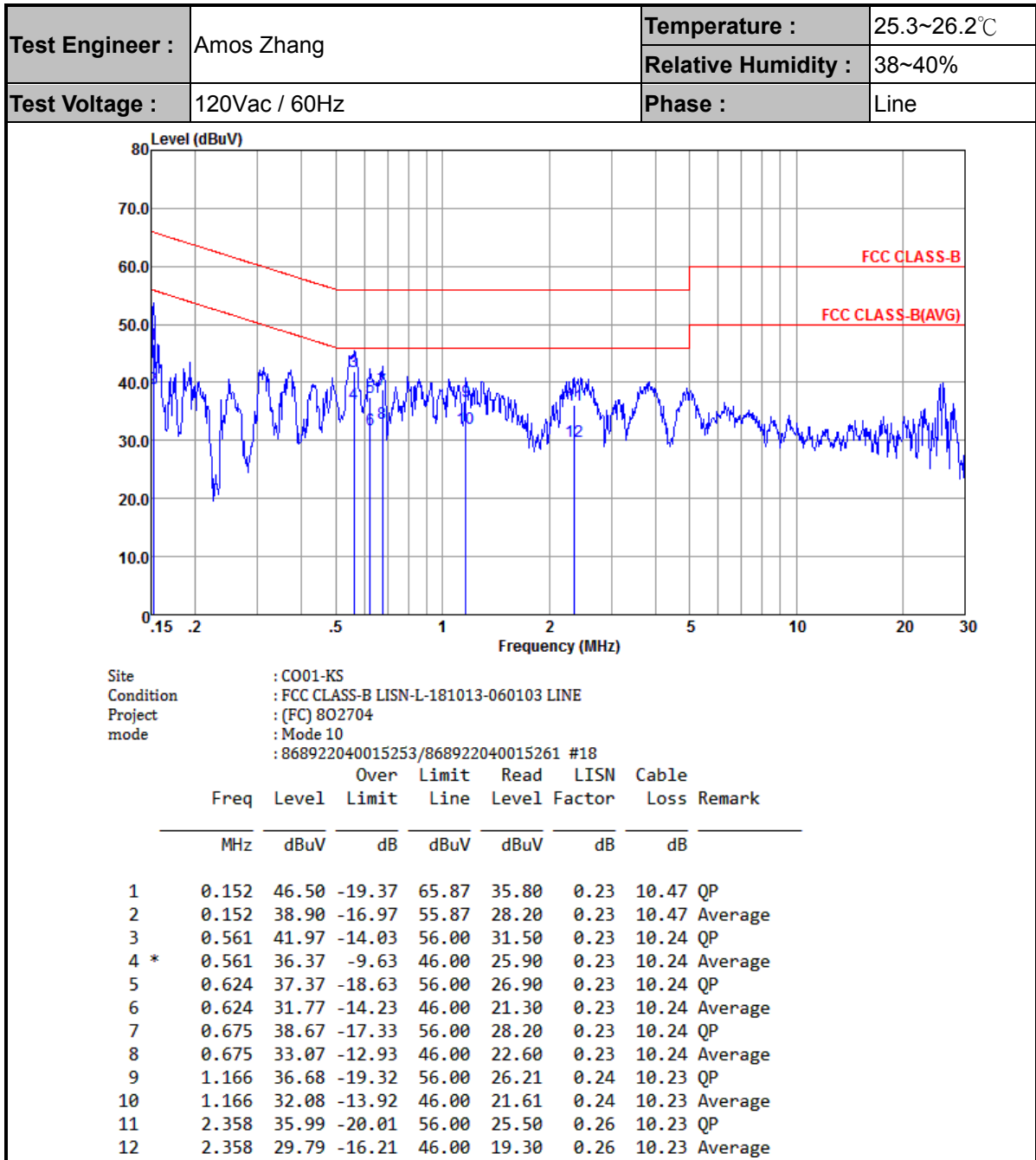
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.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



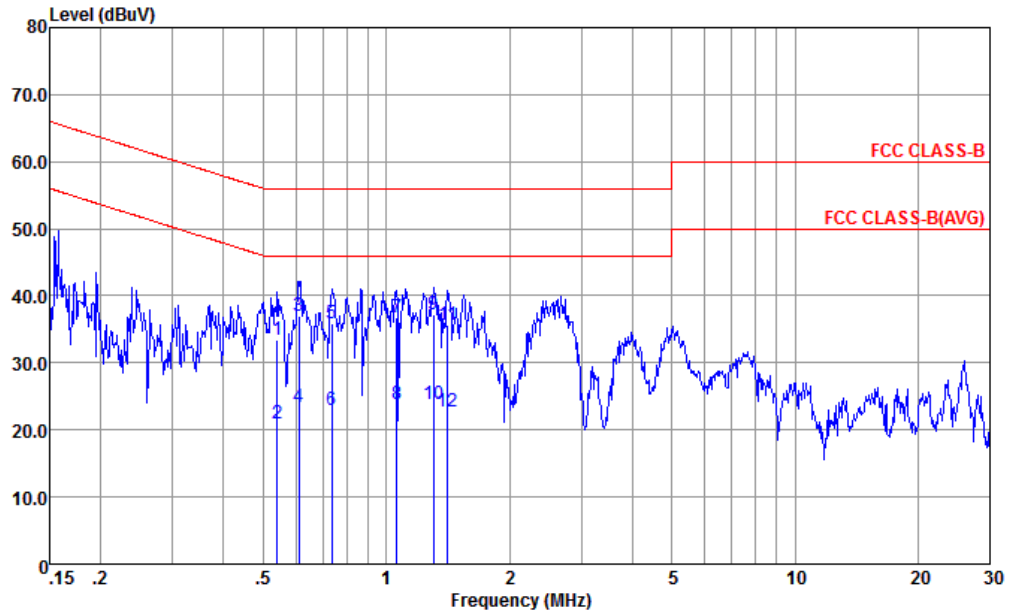


3.1.5 Test Result of AC Conducted Emission





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-181013-060103 NEUTRAL
 Project : (FC) 802704
 mode : Mode 10
 : 868922040015253/868922040015261 #18

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.541	33.33	-22.67	56.00	22.90	0.19	10.24	QP
2	0.541	21.03	-24.97	46.00	10.60	0.19	10.24	Average
3	0.611	37.03	-18.97	56.00	26.59	0.20	10.24	QP
4	0.611	23.33	-22.67	46.00	12.89	0.20	10.24	Average
5	0.735	35.94	-20.06	56.00	25.50	0.20	10.24	QP
6	0.735	23.04	-22.96	46.00	12.60	0.20	10.24	Average
7	1.060	36.74	-19.26	56.00	26.30	0.21	10.23	QP
8	1.060	23.94	-22.06	46.00	13.50	0.21	10.23	Average
9 *	1.303	37.25	-18.75	56.00	26.81	0.21	10.23	QP
10	1.303	23.75	-22.25	46.00	13.31	0.21	10.23	Average
11	1.411	35.75	-20.25	56.00	25.31	0.21	10.23	QP
12	1.411	22.65	-23.35	46.00	12.21	0.21	10.23	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

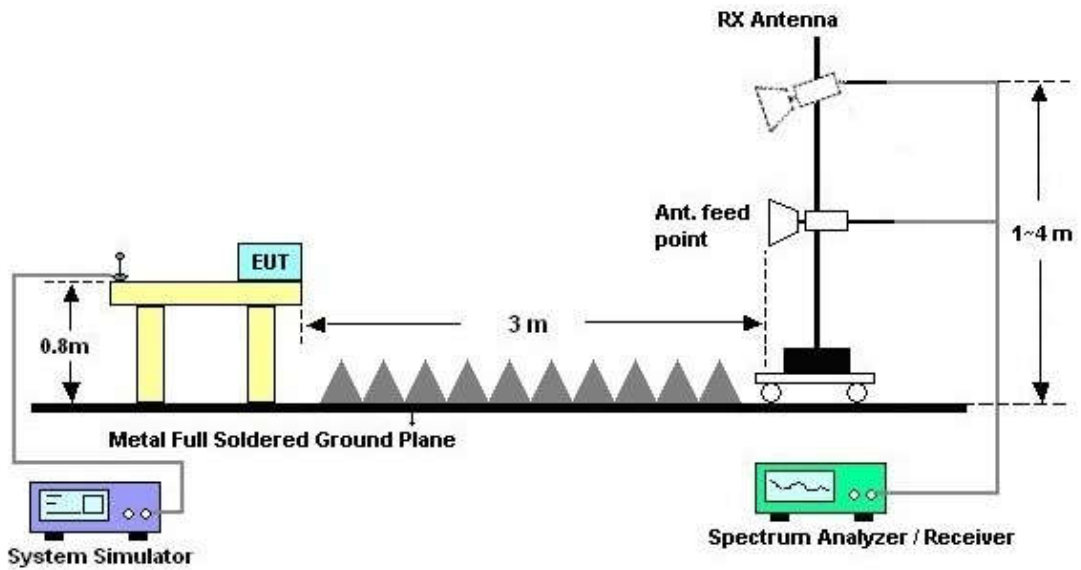
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna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

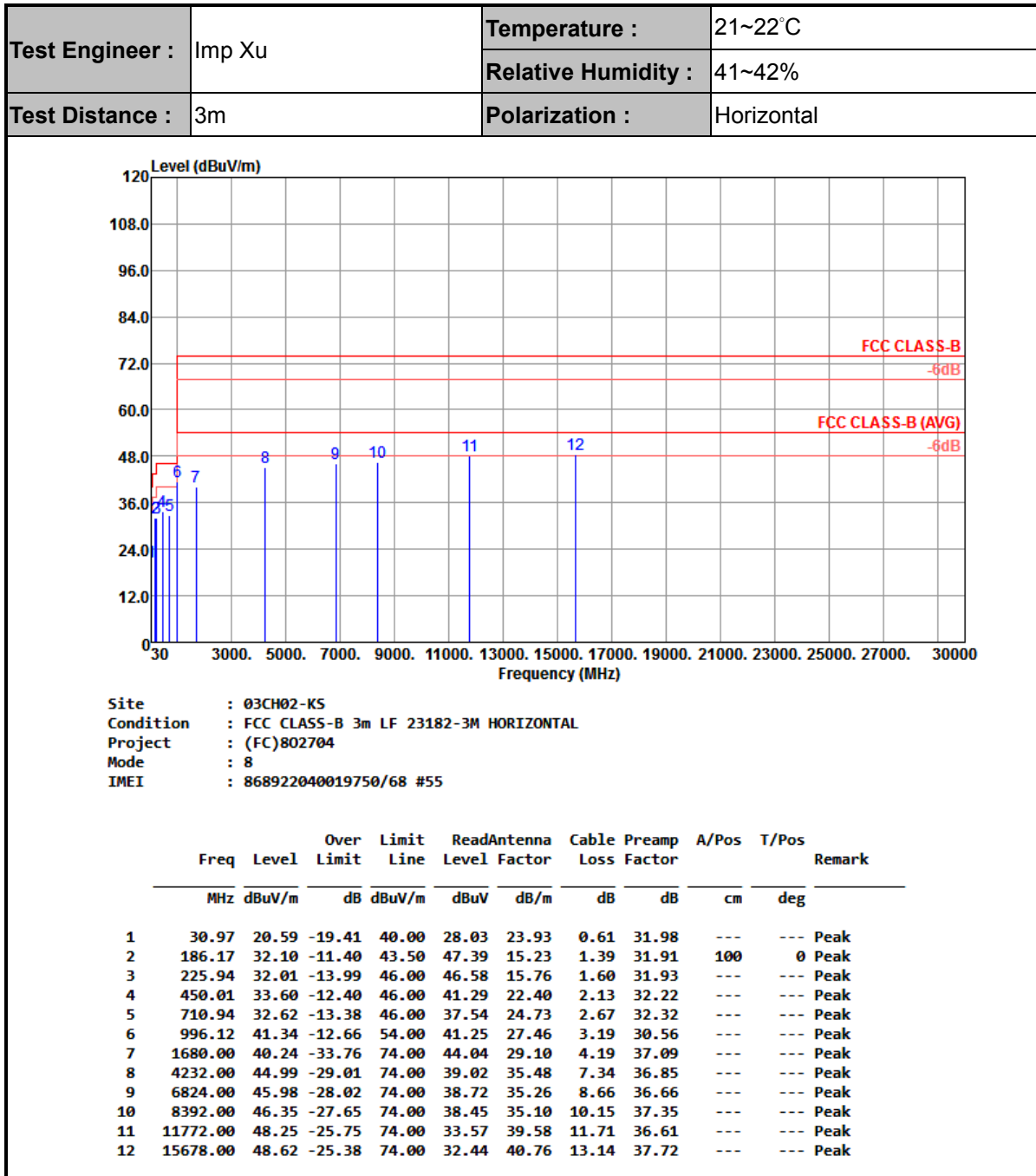


For radiated emissions above 1GHz



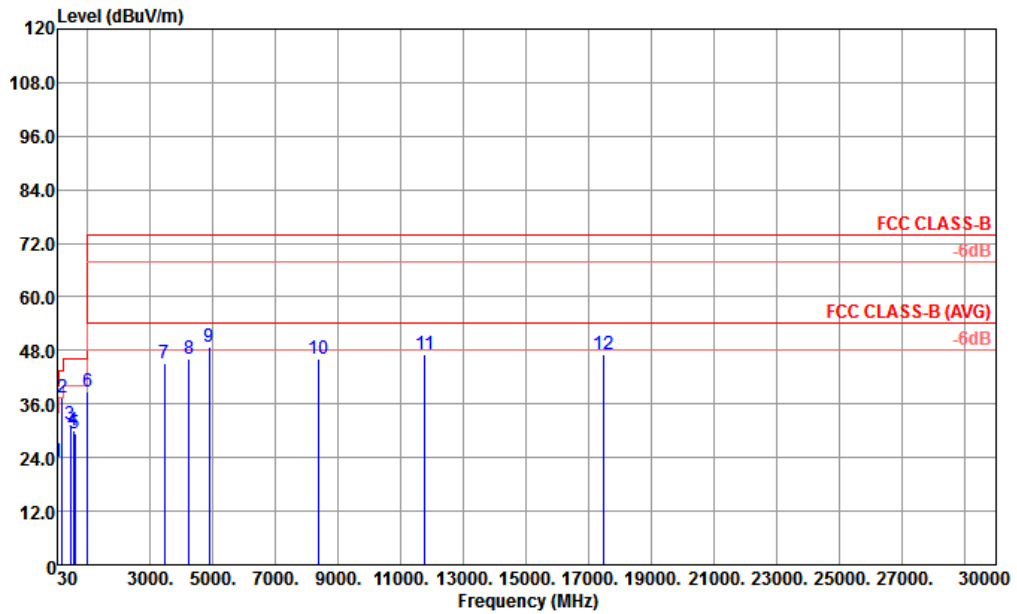


3.2.5. Test Result of Radiated Emission





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



Site : 03CH02-KS
 Condition : FCC CLASS-B 3m LF 23182-3M VERTICAL
 Project : (FC)802704
 Mode : 8
 IMEI : 868922040019750/68 #55

	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	23.21	-16.79	40.00	37.47	16.98	0.71	31.95	---	---	Peak
2	187.14	37.35	-6.15	43.50	52.64	15.23	1.39	31.91	100	0	Peak
3	450.98	31.50	-14.50	46.00	39.17	22.42	2.13	32.22	---	---	Peak
4	532.46	29.96	-16.04	46.00	36.29	23.55	2.43	32.31	---	---	Peak
5	594.54	29.45	-16.55	46.00	35.04	24.24	2.57	32.40	---	---	Peak
6	997.09	38.72	-15.28	54.00	38.61	27.47	3.19	30.55	---	---	Peak
7	3448.00	44.98	-29.02	74.00	41.79	33.46	6.13	36.40	---	---	Peak
8	4240.00	46.27	-27.73	74.00	40.27	35.51	7.34	36.85	---	---	Peak
9	4880.00	48.70	-25.30	74.00	41.91	35.61	7.92	36.74	---	---	Peak
10	8352.00	46.29	-27.71	74.00	38.40	35.16	10.07	37.34	---	---	Peak
11	11763.00	47.28	-26.72	74.00	32.62	39.56	11.71	36.61	---	---	Peak
12	17487.00	47.24	-26.76	74.00	27.19	41.30	14.19	35.44	---	---	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. 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	ABP000000811	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;Max 30dBm	Aug. 06, 2018	Dec. 14, 2018	Aug. 05, 2019	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz-44G,MAX 30dB	Apr. 17, 2018	Dec. 14, 2018	Apr. 16, 2019	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	23182	30MHz-2GHz	Jan. 29, 2018	Dec. 14, 2018	Jan. 28, 2019	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75959	1GHz~18GHz	Jan. 21, 2018	Dec. 14, 2018	Jan. 20, 2019	Radiation (03CH02-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA170249	15GHz~40GHz	Feb. 07, 2018	Dec. 14, 2018	Feb. 06, 2019	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Aug. 06, 2018	Dec. 14, 2018	Aug. 05, 2019	Radiation (03CH02-KS)
Amplifier	Keysight	83017A	MY53270203	500MHz~26.5GHz	Apr. 18, 2018	Dec. 14, 2018	Apr. 17, 2019	Radiation (03CH02-KS)
Amplifier	MITEQ	TTA1840-35-HG	1887435	18~40GHz	Feb. 08, 2018	Dec. 14, 2018	Feb. 07, 2019	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	616010002473	N/A	NCR	Dec. 14, 2018	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Dec. 14, 2018	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Dec. 14, 2018	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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