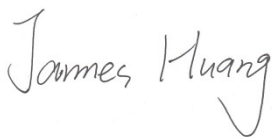


FCC Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT1926-8
FCC ID : IHDT56WL5
STANDARD : FCC 47 CFR FCC Part 15 Subpart B
CLASSIFICATION : Certification

The product was received on Dec. 28, 2017 and testing was completed on Feb. 05, 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.3-2 Ping-Xiang Rd, Kunshan Development Zone Kunshan City Jiangsu Province 215335 China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC7D2702-04	Rev. 01	Initial issue of report	Feb. 11, 2018



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 3.89 dB at 0.194 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 3.15 dB at 44.85 MHz



1. General Description

1.1. Applicant

Motorola Mobility LLC

222 W, Merchandise Mart Plaza, Chicago IL 60654 USA

1.2. Manufacturer

Motorola Mobility LLC

222 W, Merchandise Mart Plaza, Chicago IL 60654 USA

1.3. Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT1926-8
FCC ID	IHDT56WL5
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/DC-HSDPA/ HSPA+(16QAM uplink is not supported)/LTE/NFC/ WLAN 2.4GHz 802.11b/g/n HT20/ WLAN 5GHz 802.11an HT20/HT40/ WLAN 5GHz 802.11ac VHT20/VHT40/VHT80/ Bluetooth v3.0+ EDR / Bluetooth v4.0 LE/ Bluetooth v4.1 LE / Bluetooth v4.2 LE / Bluetooth v5.0 LE
IMEI Code	Conduction: 351880090009937/351880090009945 Radiation: 351880090010091/351880090010109
HW Version	DVT1B
SW Version	evert_n-userdebug 8.0.0 OPW27.88 1825 intcfg,test-keys
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

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 5 : 824.7 MHz ~ 848.3 MHz LTE Band 7 :2502.5 MHz ~ 2567.5 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz 802.11a/n: 5180 MHz ~ 5240 MHz; 5260 MHz ~ 5320 MHz; 5500 MHz ~ 5700 MHz; 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz NFC : 13.56 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 5 : 869.7 MHz ~ 893.3 MHz LTE Band 7: 2622.5MHz ~ 2687.5 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz 802.11a/n: 5180 MHz ~ 5240 MHz; 5260 MHz ~ 5320 MHz; 5500 MHz ~ 5700 MHz; 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz GNSS: 1559 MHz to 1610 MHz FM : 88 MHz ~ 108 MHz NFC : 13.56 MHz
Antenna Type	WWAN : PIFA Antenna WLAN : PIFA Antenna Bluetooth : PIFA Antenna GNSS: PIFA Antenna NFC: Loop Antenna FM: External headset Antenna
Type of Modulation	GSM: GMSK GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA : BPSK (Uplink) HSPA : QPSK (Uplink) HSPA+ : 16QAM (Uplink) 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 NFC : ASK FM

Note: GNSS Rx = GPS Rx + Glonass Rx



1.5. Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	Brand Name	Motorola (Salom)	Model Name	SC-22
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
AC Adapter 1(EU)	Brand Name	Motorola (Salom)	Model Name	SC-23
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
AC Adapter 1(UK)	Brand Name	Motorola (Salom)	Model Name	SC-24
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
AC Adapter 1(IN)	Brand Name	Motorola (Salom)	Model Name	SC-25
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
AC Adapter 1(AU)	Brand Name	Motorola (Salom)	Model Name	SC-26
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
AC Adapter 1(BR)	Brand Name	Motorola (Salom)	Model Name	SC-28
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
AC Adapter 1(BR local)	Brand Name	Motorola (Salom)	Model Name	SC-28
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
AC Adapter 2(US)	Brand Name	Motorola (Chenyang)	Model Name	SC-22
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
AC Adapter 2(EU)	Brand Name	Motorola (Chenyang)	Model Name	SC-23
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
AC Adapter 2(UK)	Brand Name	Motorola (Chenyang)	Model Name	SC-24
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
AC Adapter 2(IN)	Brand Name	Motorola (Chenyang)	Model Name	SC-25
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
AC Adapter 2(AU)	Brand Name	Motorola (Chenyang)	Model Name	SC-26
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
AC Adapter 3(BR)	Brand Name	Motorola (Cliptech)	Model Name	SC-28 SPN5998A
	Power Rating	I/P: 100-240 Vac, 500mA, O/P: 5Vdc,3000mA or 9Vdc,1600mA or 12Vdc,1200mA		
Battery	Brand Name	Motorola (ATL)	Model Name	JT40
	Power Rating	3.8Vdc,3200mAh	Type	Li-ion Polymer
Earphone 1	Brand Name	Motorola (Jiahe)	Model Name	LS-118M-12
	Signal Line Type	1.2 meter, non-shielded cable, without ferrite core		
Earphone 2	Brand Name	Motorola (Lianyun)	Model Name	TS910A-38AMS01WHR-M
	Signal Line Type	1.2 meter, non-shielded cable, without ferrite core		
USB Cable	Brand Name	Motorola (Liqi)	Model Name	L32B-053000100-ALL
	Signal Line Type	1.0 meter, shielded cable, without ferrite core		

1.6. Modification of EUT

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

1.7. Test Location

Sporton International (Kunshan) Inc. is accredited to ISO 17025 by National Voluntary Laboratory Accreditation Program (NVLAP code: 600155-0) and the FCC designation No. is CN5013.

Test Site	Sporton International (Kunshan) Inc.		
Test Site Location	No.3-2 Ping-Xiang Rd, Kunshan Development Zone Kunshan City Jiangsu Province 215335 China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	Sporton Site No.		FCC Test Firm Registration No.
	CO01-KS	03CH02-KS	630927

Note: The test site complies with ANSI C63.4 2014 requirement.

1.8. 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
- ♦ 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

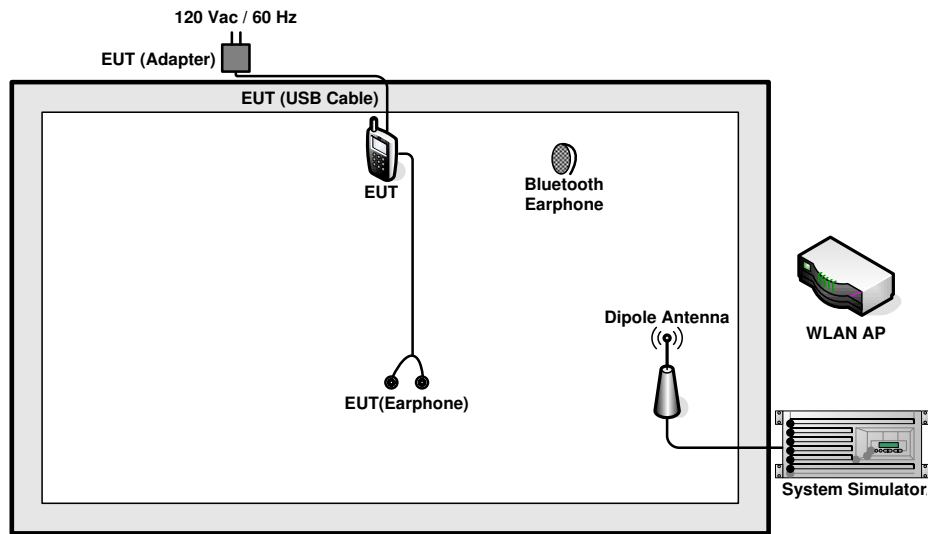
The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

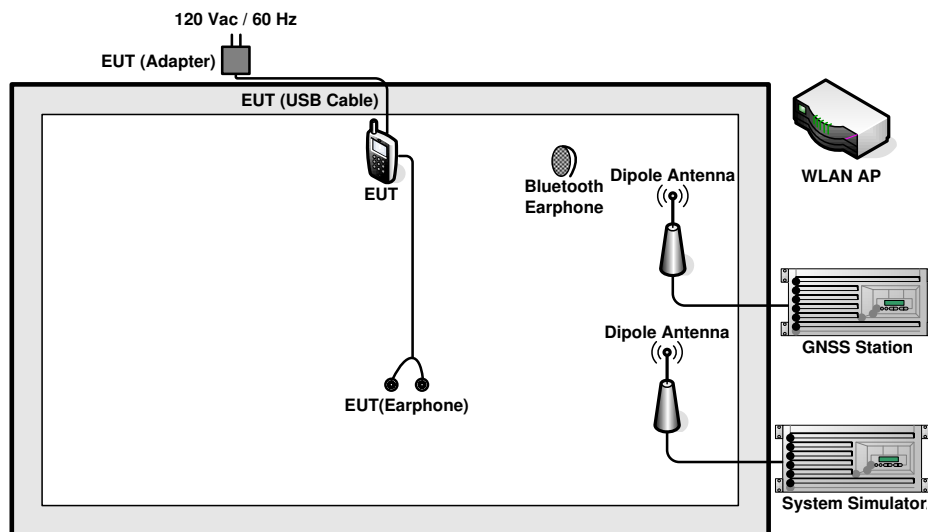
Test Items	Function Type
AC Conducted Emission	Mode 1 : GSM850 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + Camera (Rear) + SIM 1<fig.1>
	Mode 2 : GSM1900 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + Camera (Front) + SIM 2<fig.1>
	Mode 3 : WCDMA Band V Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + MPEG4 + SIM 1<fig.1>
	Mode 4 : WCDMA Band II Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + GNSS Rx + SIM 2<fig.2>
	Mode 5 : WCDMA Band II Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + NFC On + SIM 2<fig.1>
	Mode 6 : GSM850 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter2) + Earphone 2 + Battery + Camera (Rear) + SIM 1<fig.1>
	Mode 7 : GSM850 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter3) + Earphone 2 + Battery + Camera (Rear) + SIM 1<fig.1>
	Mode 8 : LTE Band 7 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Data Link with Notebook) + Earphone 1 + Battery + GNSS Rx + SIM 1<fig.3>
	Mode 9 : USB Cable (Charging from Adapter 1) + Earphone 1 + Battery + FM Rx (88MHz)<fig.4>
	Mode 10 : USB Cable (Charging from Adapter 1) + Earphone 1 + Battery + FM Rx (98MHz)<fig.4>
	Mode 11 : USB Cable (Charging from Adapter 1) + Earphone 1 + Battery + FM Rx (108MHz)<fig.4>
	Mode 12 : USB Cable (Charging from Adapter 2) + Earphone 2 + Battery + FM Rx (88MHz)<fig.4>
	Mode 13 : USB Cable (Charging from Adapter 3) + Earphone 1 + Battery + FM Rx (88MHz)<fig.4>

Radiated Emissions< 1GHz	Mode 1 : GSM850 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + Camera (Rear) + SIM 1<fig.1> Mode 2 : GSM1900 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + Camera (Front) + SIM 2<fig.1> Mode 3 : WCDMA Band V Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + MPEG4 + SIM 1<fig.1> Mode 4 : WCDMA Band II Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + GNSS Rx + SIM 2<fig.2> Mode 5 : WCDMA Band II Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + NFC On + SIM 2<fig.1> Mode 6 : WCDMA Band II Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter2) + Earphone 2 + Battery + NFC On + SIM 2<fig.1> Mode 7 : WCDMA Band II Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter3) + Earphone 1 + Battery + NFC On + SIM 2<fig.1> Mode 8 : LTE Band 7 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Data Link with Notebook) + Earphone 1 + Battery + GNSS Rx + SIM 1<fig.3> Mode 9 : USB Cable (Charging from Adapter 1) + Earphone 1 + Battery + FM Rx (88MHz)<fig.4> Mode 10 : USB Cable (Charging from Adapter 1) + Earphone 1 + Battery + FM Rx (98MHz)<fig.4> Mode 11 : USB Cable (Charging from Adapter 1) + Earphone 1 + Battery + FM Rx (108MHz)<fig.4> Mode 12 : USB Cable (Charging from Adapter 2) + Earphone 2 + Battery + FM Rx (98MHz)<fig.4> Mode 13 : USB Cable (Charging from Adapter 3) + Earphone 1 + Battery + FM Rx (98MHz)<fig.4>
Radiated Emissions ≥ 1GHz	Mode 1 : WCDMA Band II Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + NFC On + SIM 2 <Fig.1> Mode 2 : LTE Band 7 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Data Link with Notebook) + Earphone 1 + Battery + GNSS Rx + SIM 1<Fig.3>
Remark: 1. The worst case of AC is mode 13, and the USB Link mode of AC is mode 8; the test data of these modes were reported. 2. The worst case of RE < 1G is mode 5, and the USB Link mode of RE is mode 8; the test data of these modes were reported. 3. Data Link with Notebook means data application transferred mode between EUT and Notebook	

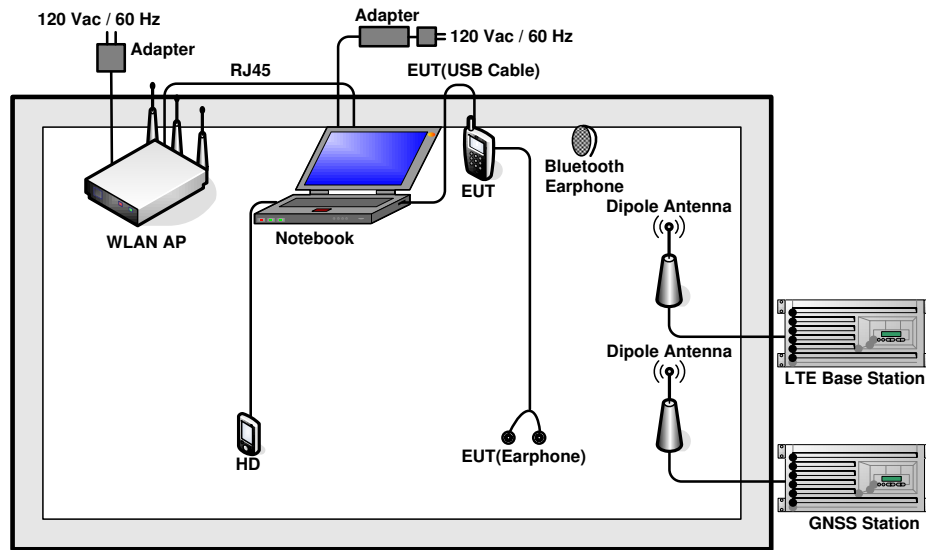
2.2. Connection Diagram of Test System



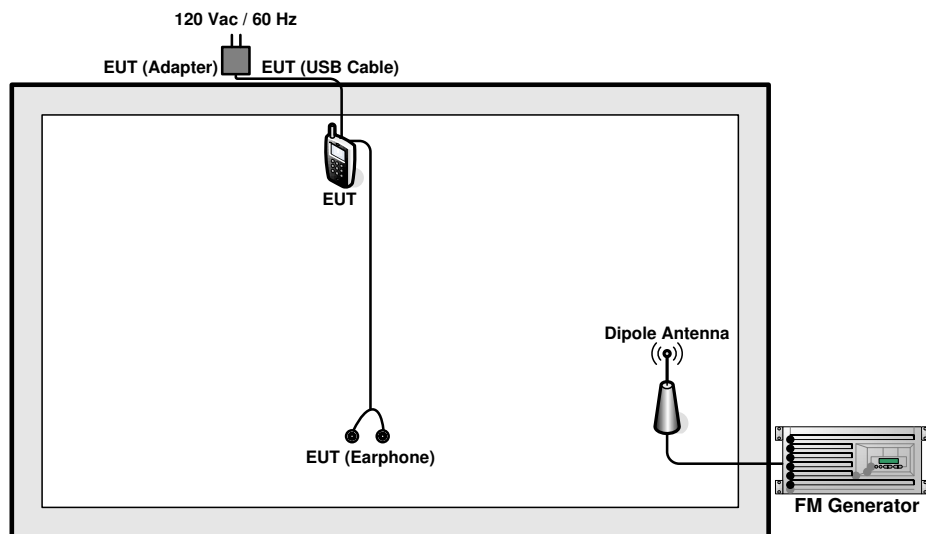
<Fig.1>



<Fig.2>



<Fig.3>



<Fig.4>

2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	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.	GNSS Station	ADIVIC	MP9000	N/A	N/A	Unshielded, 1.8 m
4.	FM Generator	R&S	SMBV100A	N/A	N/A	Unshielded, 1.8 m
5.	WLAN AP	D-Link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8 m
6.	WLAN AP	TP-Link	TL-WDR5600	N/A	N/A	Unshielded, 1.8 m
7.	Notebook	Lenovo	Y510P	N/A	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
8.	Notebook	Lenovo	G480	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.	Hard Disk	Lenovo	F310	FCC DoC	Shielded, 0.5 m	N/A
11.	SD Card	Kingston	8GB	N/A	N/A	N/A
12.	SD Card	SanDisk	Ultra	N/A	N/A	N/A
13.	GNSS Station	RACELOGIC	RLLS03-2RP	N/A	N/A	Unshielded, 1.8 m

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 "Video player" to play MPEG4 files.
4. Turn on camera to capture images.
5. Turn on NFC function.

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.

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.

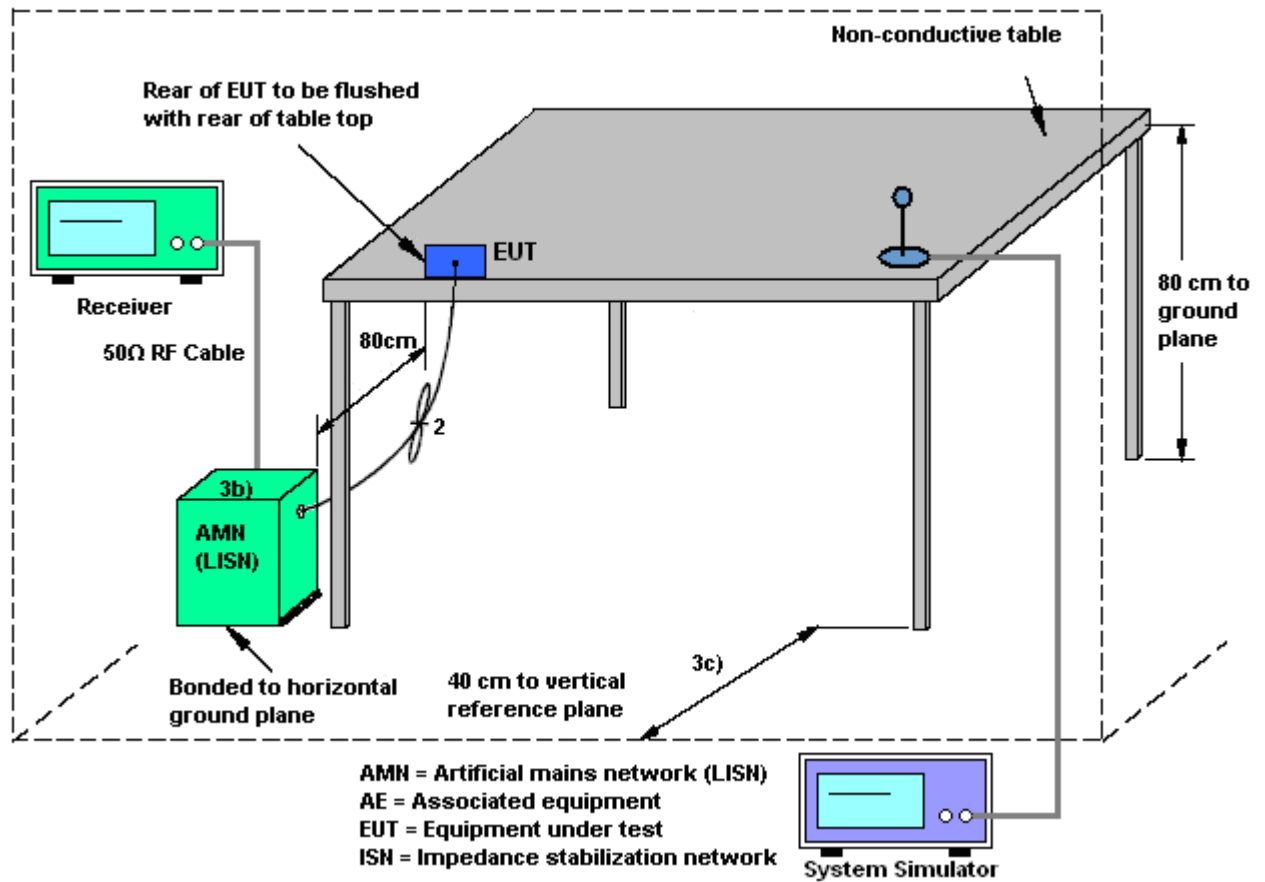
3.1.2 Measuring Instruments

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.

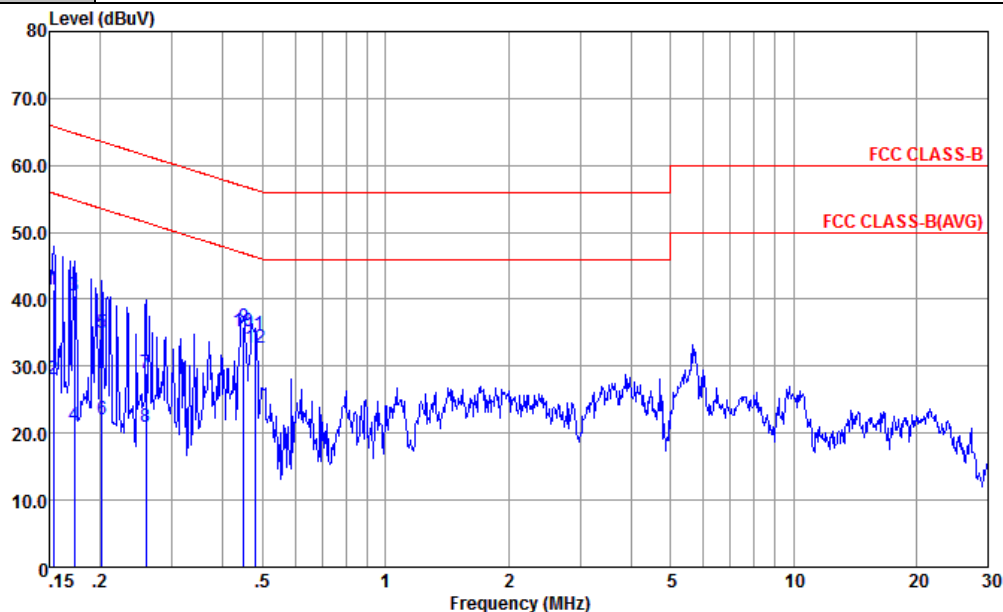
3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 8	Temperature :	22~24℃
Test Engineer :	Amos Zhang	Relative Humidity :	42~44%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	LTE Band 7 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Data Link with Notebook) + Earphone 1 + Battery + GNSS Rx + SIM 1		



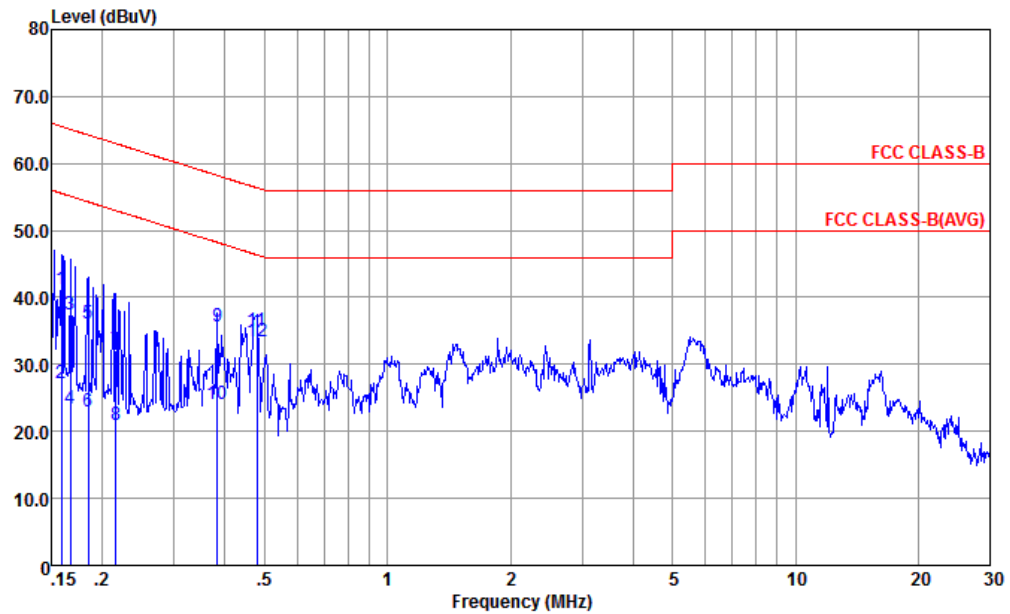
Site : CO01-KS
Condition : FCC CLASS-B LISN-L-161017-060103 LINE
Project : (FC) 7D2702-04

: 351880090009937/351880090009945 #3

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.153	41.34	-24.48	65.82	30.20	0.53	10.61	QP
2	0.153	28.04	-27.78	55.82	16.90	0.53	10.61	Average
3	0.173	40.55	-24.26	64.81	29.60	0.41	10.54	QP
4	0.173	21.25	-33.56	54.81	10.30	0.41	10.54	Average
5	0.202	34.92	-28.62	63.54	24.20	0.27	10.45	QP
6	0.202	22.02	-31.52	53.54	11.30	0.27	10.45	Average
7	0.259	29.01	-32.46	61.47	18.30	0.27	10.44	QP
8	0.259	20.91	-30.56	51.47	10.20	0.27	10.44	Average
9	0.449	35.83	-21.06	56.89	25.20	0.27	10.36	QP
10 *	0.449	35.13	-11.76	46.89	24.50	0.27	10.36	Average
11	0.479	34.79	-21.57	56.36	24.20	0.27	10.32	QP
12	0.479	32.79	-13.57	46.36	22.20	0.27	10.32	Average



Test Mode :	Mode 8	Temperature :	22~24°C
Test Engineer :	Amos Zhang	Relative Humidity :	42~44%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	LTE Band 7 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Data Link with Notebook) + Earphone 1 + Battery + GNSS Rx + SIM 1		



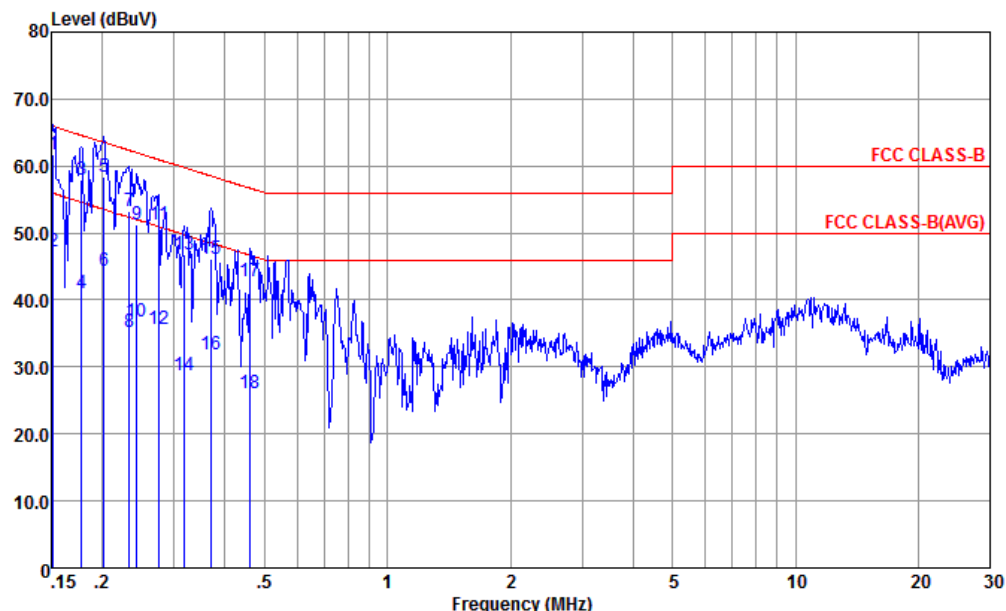
Site : CO01-KS
Condition : FCC CLASS-B LISN-N-161017-060103 NEUTRAL
Project : (FC) 7D2702-04

: 351880090009937/351880090009945 #3

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.159	41.22	-24.30	65.52	30.29	0.34	10.59	QP
2	0.159	27.12	-28.40	55.52	16.19	0.34	10.59	Average
3	0.167	37.49	-27.63	65.12	26.59	0.34	10.56	QP
4	0.167	23.39	-31.73	55.12	12.49	0.34	10.56	Average
5	0.184	36.14	-28.14	64.28	25.31	0.33	10.50	QP
6	0.184	23.04	-31.24	54.28	12.21	0.33	10.50	Average
7	0.216	32.08	-30.88	62.96	21.30	0.33	10.45	QP
8	0.216	20.98	-31.98	52.96	10.20	0.33	10.45	Average
9	0.383	35.58	-22.63	58.21	24.80	0.37	10.41	QP
10	0.383	23.98	-24.23	48.21	13.20	0.37	10.41	Average
11	0.479	34.90	-21.46	56.36	24.20	0.38	10.32	QP
12 *	0.479	33.50	-12.86	46.36	22.80	0.38	10.32	Average



Test Mode :	Mode 13	Temperature :	22~24℃
Test Engineer :	Amos Zhang	Relative Humidity :	42~44%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	USB Cable (Charging from Adapter 3) + Earphone 1 + Battery + FM Rx (88MHz)		

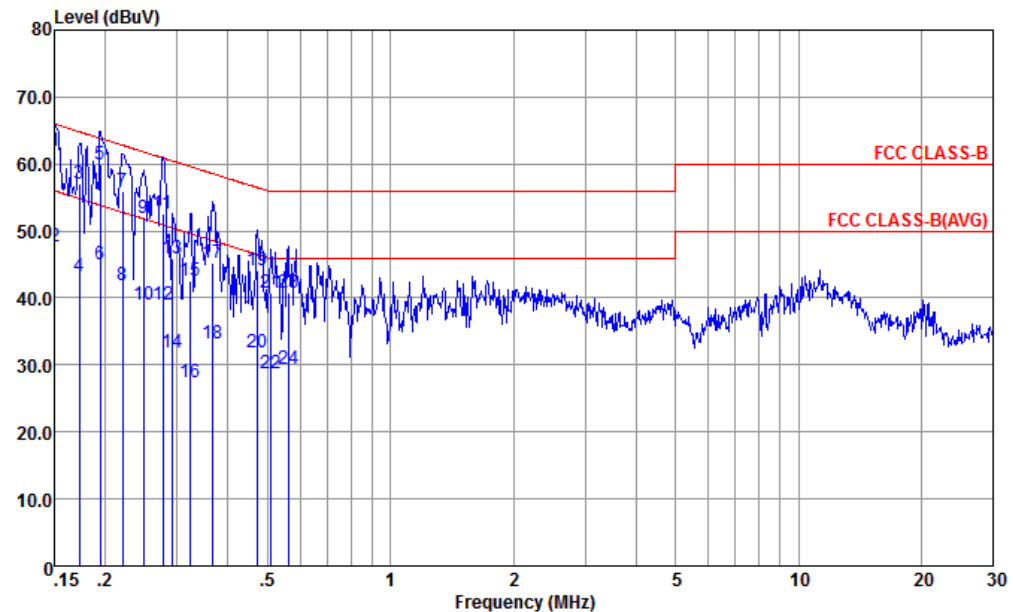


Site : CO01-KS
Condition : FCC CLASS-B LISN-L-171013-060103 LINE
Project : (FC) 7D2702-04
mode : Mode 5
: 351880090009937/351880090009945 #3

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.152	61.67	-4.24	65.91	50.90	0.16	10.61	QP
2	0.152	47.27	-8.64	55.91	36.50	0.16	10.61	Average
3	0.178	58.01	-6.58	64.59	47.31	0.18	10.52	QP
4	0.178	41.01	-13.58	54.59	30.31	0.18	10.52	Average
5	0.202	58.46	-5.08	63.54	47.81	0.20	10.45	QP
6	0.202	44.26	-9.28	53.54	33.61	0.20	10.45	Average
7	0.233	53.25	-9.10	62.35	42.60	0.21	10.44	QP
8	0.233	35.25	-17.10	52.35	24.60	0.21	10.44	Average
9	0.243	51.25	-10.75	62.00	40.60	0.21	10.44	QP
10	0.243	36.85	-15.15	52.00	26.20	0.21	10.44	Average
11	0.276	51.25	-9.69	60.94	40.60	0.22	10.43	QP
12	0.276	35.55	-15.39	50.94	24.90	0.22	10.43	Average
13	0.318	46.85	-12.90	59.75	36.20	0.23	10.42	QP
14	0.318	28.85	-20.90	49.75	18.20	0.23	10.42	Average
15	0.369	46.15	-12.37	58.52	35.50	0.24	10.41	QP
16	0.369	31.85	-16.67	48.52	21.20	0.24	10.41	Average
17	0.461	42.80	-13.87	56.67	32.21	0.25	10.34	QP
18	0.461	26.10	-20.57	46.67	15.51	0.25	10.34	Average



Test Mode :	Mode 13	Temperature :	22~24℃
Test Engineer :	Amos Zhang	Relative Humidity :	42~44%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	USB Cable (Charging from Adapter 3) + Earphone 1 + Battery + FM Rx (88MHz)		

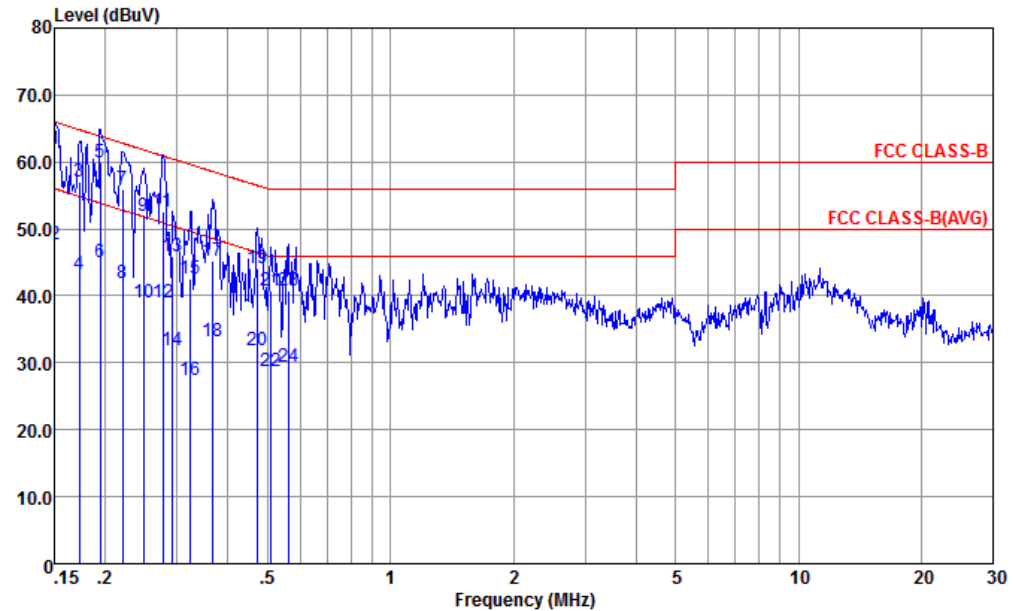


Site : CO01-KS
 Condition : FCC CLASS-B LISN-N-171013-060103 NEUTRAL
 Project : (FC) 7D2702-04
 mode : Mode 5
 : 351880090009937/351880090009945 #3

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.150	62.00	-4.00	66.00	51.10	0.28	10.62	QP
2	0.150	47.80	-8.20	56.00	36.90	0.28	10.62	Average
3	0.173	57.12	-7.69	64.81	46.30	0.28	10.54	QP
4	0.173	43.32	-11.49	54.81	32.50	0.28	10.54	Average
5 *	0.194	59.95	-3.89	63.84	49.20	0.28	10.47	QP
6	0.194	44.95	-8.89	53.84	34.20	0.28	10.47	Average
7	0.221	55.83	-6.96	62.79	45.10	0.28	10.45	QP
8	0.221	41.83	-10.96	52.79	31.10	0.28	10.45	Average
9	0.248	51.92	-9.90	61.82	41.20	0.28	10.44	QP
10	0.248	38.92	-12.90	51.82	28.20	0.28	10.44	Average
11	0.277	52.52	-8.38	60.90	41.81	0.28	10.43	QP
12	0.277	38.92	-11.98	50.90	28.21	0.28	10.43	Average
13	0.292	45.81	-14.65	60.46	35.10	0.28	10.43	QP
14	0.292	31.91	-18.55	50.46	21.20	0.28	10.43	Average
15	0.323	42.51	-17.11	59.62	31.80	0.29	10.42	QP
16	0.323	27.31	-22.31	49.62	16.60	0.29	10.42	Average
17	0.367	45.20	-13.36	58.56	34.50	0.29	10.41	QP



Test Mode :	Mode 13	Temperature :	22~24°C
Test Engineer :	Amos Zhang	Relative Humidity :	42~44%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	USB Cable (Charging from Adapter 3) + Earphone 1 + Battery + FM Rx (88MHz)		



Site : CO01-KS
Condition : FCC CLASS-B LISN-N-171013-060103 NEUTRAL
Project : (FC) 7D2702-04

: 351880090009937/351880090009945 #3

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
18	0.367	33.30	-15.26	48.56	22.60	0.29	10.41	Average
19	0.471	44.12	-12.37	56.49	33.50	0.29	10.33	QP
20	0.471	31.82	-14.67	46.49	21.20	0.29	10.33	Average
21	0.510	40.79	-15.21	56.00	30.20	0.29	10.30	QP
22	0.510	28.79	-17.21	46.00	18.20	0.29	10.30	Average
23	0.561	40.75	-15.25	56.00	30.20	0.29	10.26	QP
24	0.561	29.35	-16.65	46.00	18.80	0.29	10.26	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:

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

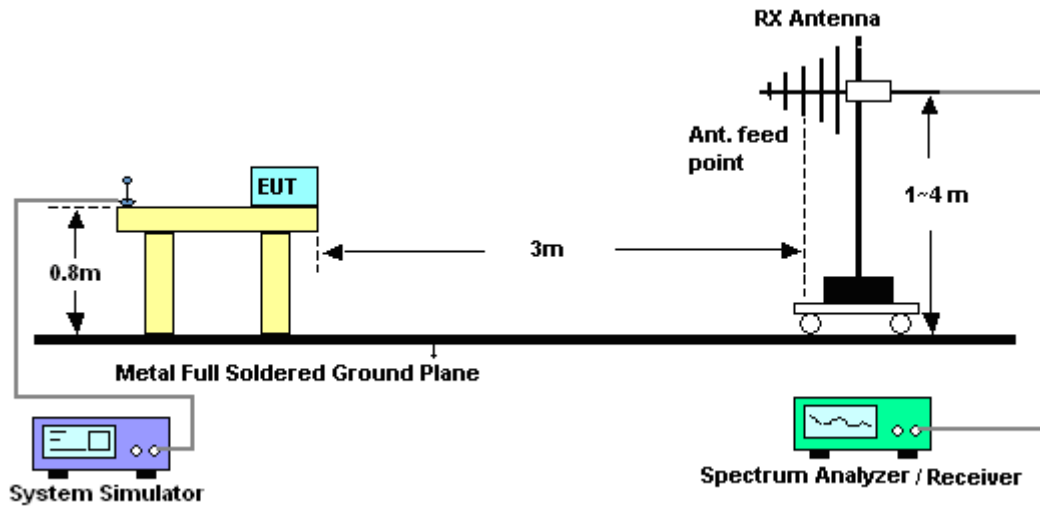
The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

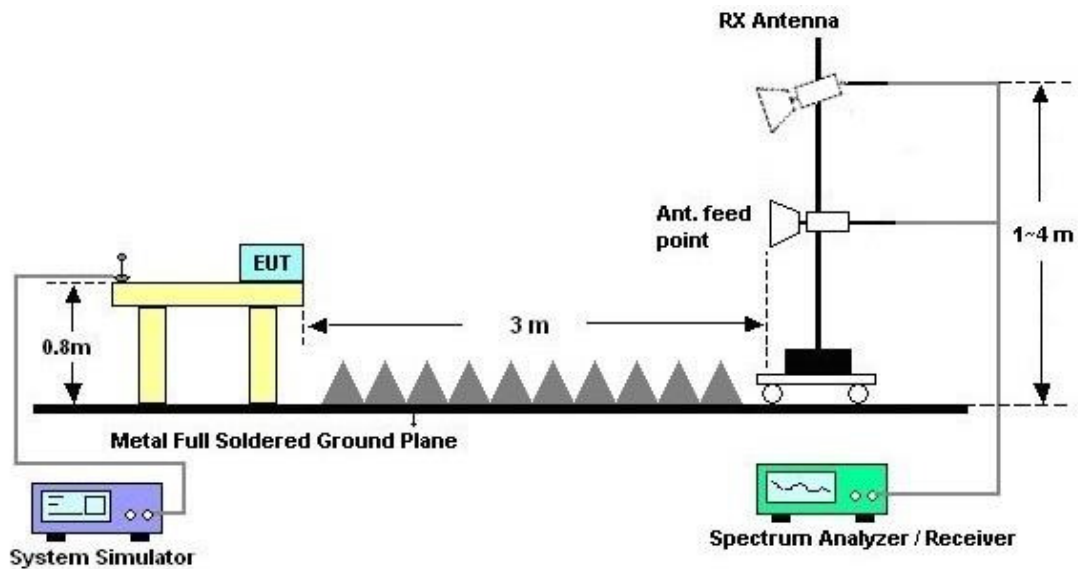
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna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



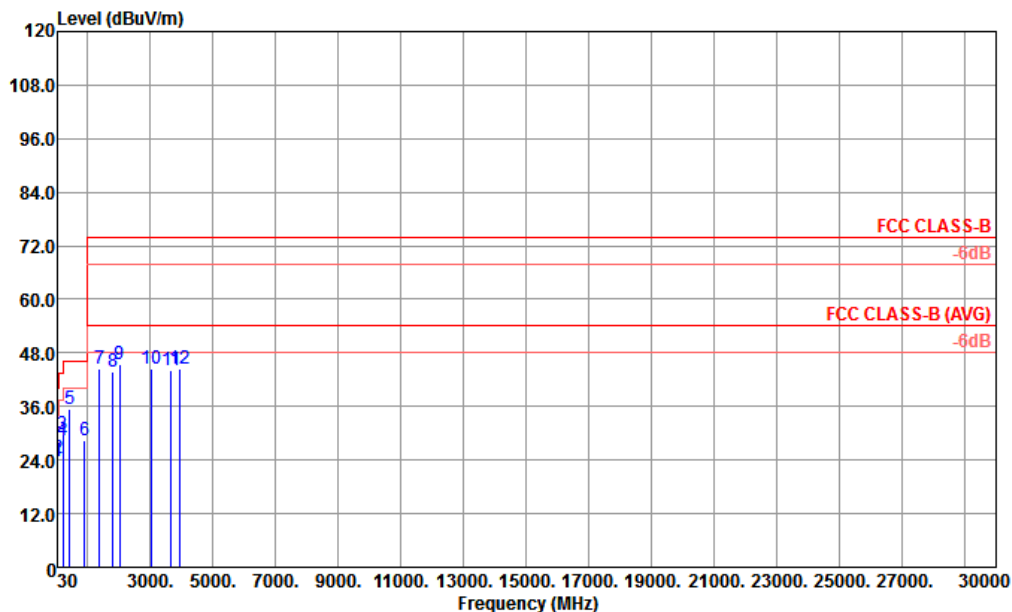
For radiated emissions above 1GHz





3.2.5. Test Result of Radiated Emission

Test Mode :	Mode 5	Temperature :	21~22°C
Test Engineer :	Maker Qi	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	WCDMA Band II Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + NFC On + SIM 2		



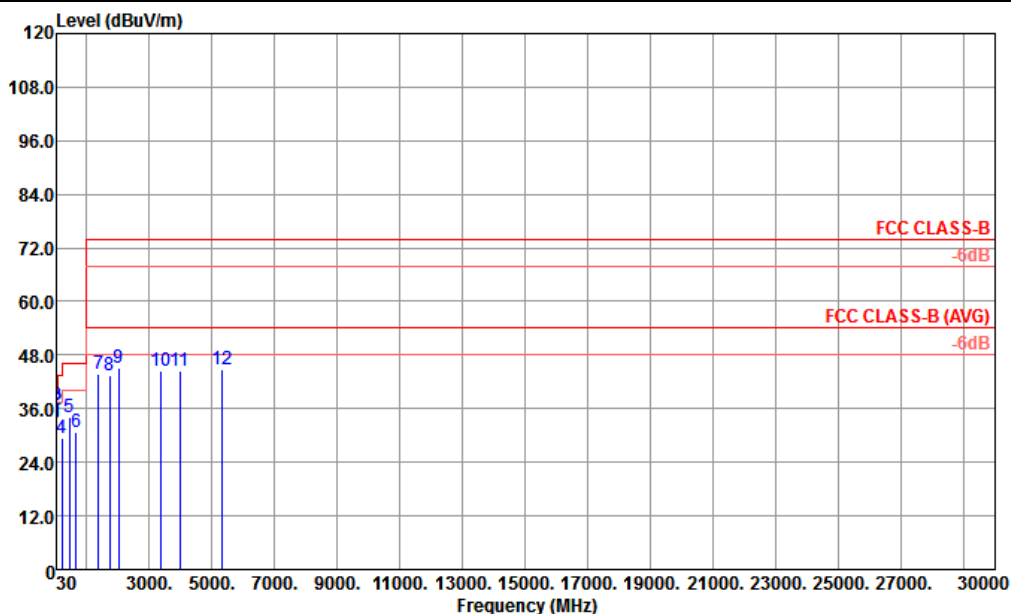
Site : 03CH02-KS
Condition : FCC CLASS-B 3m LF 47610 HORIZONTAL
Project : (FC)7D2702-04

IMEI : 351880090010091 351880090010109 #4

	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	31.08	23.68	-16.32	40.00	30.68	24.44	0.59	32.03	---	Peak
2	44.31	24.54	-15.46	40.00	39.69	16.30	0.66	32.11	---	Peak
3	197.67	29.71	-13.79	43.50	44.63	15.32	1.44	31.68	---	Peak
4	203.88	28.25	-15.25	43.50	43.08	15.36	1.47	31.66	---	Peak
5	429.50	35.57	-10.43	46.00	41.68	22.36	2.14	30.61	100	0 Peak
6	897.10	28.29	-17.71	46.00	26.15	26.58	3.09	27.53	---	Peak
7	1384.00	44.49	-29.51	74.00	46.78	28.67	3.88	34.84	---	Peak
8	1796.00	43.69	-30.31	74.00	43.96	29.33	4.44	34.04	---	Peak
9	2026.00	45.59	-28.41	74.00	43.78	30.36	4.67	33.22	---	Peak
10	3024.00	44.42	-29.58	74.00	35.70	32.65	5.98	29.91	---	Peak
11	3660.00	44.03	-29.97	74.00	33.24	34.03	6.51	29.75	---	Peak
12	3915.00	44.44	-29.56	74.00	32.93	34.95	6.67	30.11	---	Peak



Test Mode :	Mode 5	Temperature :	21~22°C
Test Engineer :	Maker Qi	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Function Type :	WCDMA Band II Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Charging from Adapter1) + Earphone 1 + Battery + NFC On + SIM 2		

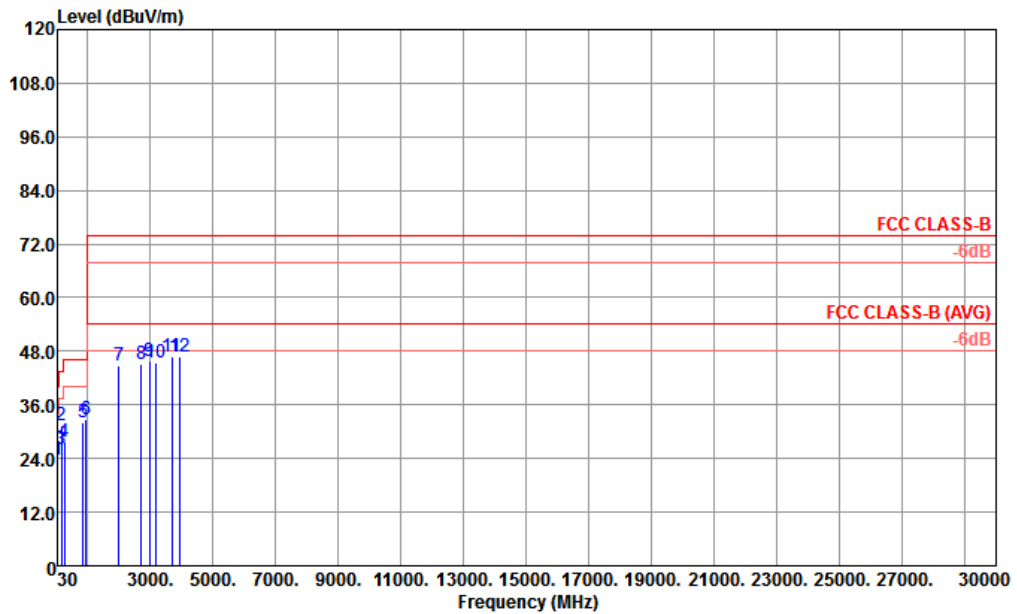


Site : 03CH02-KS
Condition : FCC CLASS-B 3m LF 47610 VERTICAL
Project : (FC)7D2702-04
IMEI : 351880090010091 351880090010109 #4

	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	30.00	33.10	-6.90	40.00	39.56	25.00	0.57	32.03	---	Peak
2 !	41.34	35.66	-4.34	40.00	49.04	18.04	0.65	32.07	---	Peak
3 !	44.85	36.85	-3.15	40.00	52.00	16.30	0.66	32.11	100	293 QP
4	197.67	29.44	-14.06	43.50	44.36	15.32	1.44	31.68	---	Peak
5	454.70	34.04	-11.96	46.00	39.49	22.87	2.20	30.52	---	Peak
6	664.70	30.63	-15.37	46.00	32.11	25.00	2.71	29.19	---	Peak
7	1372.00	43.67	-30.33	74.00	46.00	28.63	3.88	34.84	---	Peak
8	1738.00	43.41	-30.59	74.00	44.11	29.20	4.38	34.28	---	Peak
9	2022.00	45.28	-28.72	74.00	43.47	30.36	4.67	33.22	---	Peak
10	3384.00	44.30	-29.70	74.00	34.68	33.35	6.27	30.00	---	Peak
11	3975.00	44.43	-29.57	74.00	32.78	35.06	6.70	30.11	---	Peak
12	5334.00	44.76	-29.24	74.00	36.45	35.24	7.88	34.81	---	Peak



Test Mode :	Mode 8	Temperature :	21~22°C
Test Engineer :	Maker Qi	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	LTE Band 7 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Data Link with Notebook) + Earphone 1 + Battery + GNSS Rx + SIM 1		

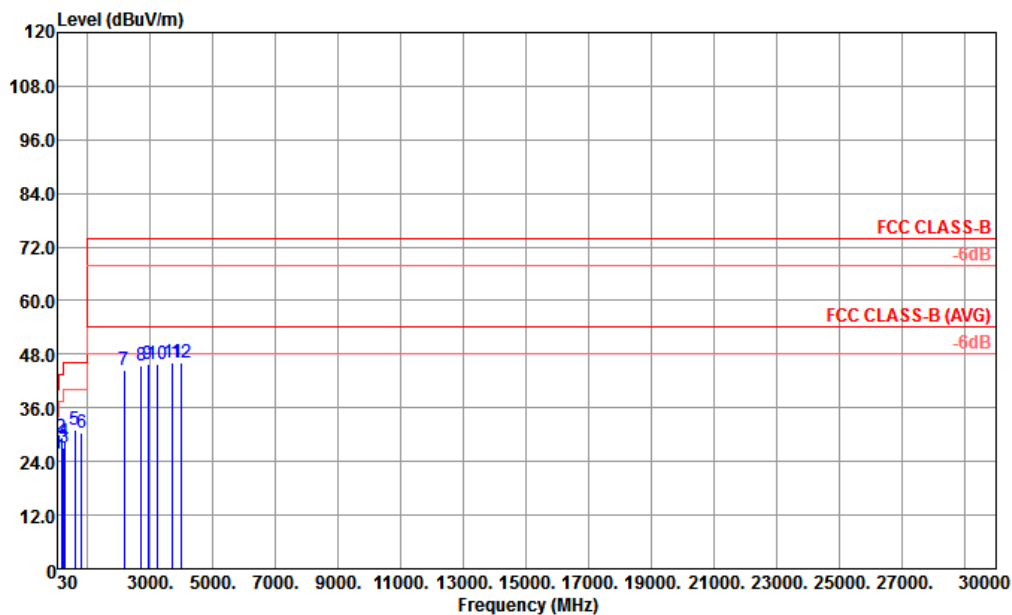


Site : 03CH02-KS
Condition : FCC CLASS-B 3m LF 47610 HORIZONTAL
Project : (FC)7D2702-04
IMEI : 351880090010091 351880090010109 #4

	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	43.50	23.57	-16.43	40.00	38.13	16.88	0.66	32.10	---	Peak
2	165.81	31.29	-12.21	43.50	45.90	15.86	1.32	31.79	100	Peak
3	170.40	26.20	-17.30	43.50	40.98	15.65	1.34	31.77	---	Peak
4	254.37	27.89	-18.11	46.00	38.69	18.96	1.76	31.52	---	Peak
5	862.10	32.19	-13.81	46.00	30.57	26.38	3.06	27.82	---	Peak
6	948.90	32.82	-13.18	46.00	29.88	26.89	3.20	27.15	---	Peak
7	1994.00	44.84	-29.16	74.00	43.44	30.19	4.61	33.40	---	Peak
8	2716.00	45.00	-29.00	74.00	37.76	31.85	5.66	30.27	---	Peak
9	2962.00	45.85	-28.15	74.00	37.43	32.45	5.94	29.97	---	Peak
10	3186.00	45.38	-28.62	74.00	35.62	33.10	6.18	29.52	---	Peak
11	3681.00	46.85	-27.15	74.00	35.90	34.26	6.53	29.84	---	Peak
12	3939.00	46.71	-27.29	74.00	35.13	35.01	6.68	30.11	---	Peak



Test Mode :	Mode 8	Temperature :	21~22°C
Test Engineer :	Maker Qi	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Function Type :	LTE Band 7 Idle + Bluetooth Idle + WLAN Idle (2.4G) + USB Cable (Data Link with Notebook) + Earphone 1 + Battery + GNSS Rx + SIM 1		



Site : 03CH02-KS
Condition : FCC CLASS-B 3m LF 47610 VERTICAL
Project : (FC)7D2702-04
IMEI : 351880090010091 351880090010109

	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	43.77	25.81	-14.19	40.00	40.37	16.88	0.66	32.10	---	Peak
2	165.54	29.48	-14.02	43.50	44.09	15.86	1.32	31.79	100	Peak
3	229.80	26.95	-19.05	46.00	40.62	16.30	1.63	31.60	---	Peak
4	255.45	28.41	-17.59	46.00	39.05	19.10	1.77	31.51	---	Peak
5	597.50	31.02	-14.98	46.00	33.46	24.62	2.62	29.68	---	Peak
6	808.90	30.44	-15.56	46.00	30.00	25.97	2.72	28.25	---	Peak
7	2154.00	44.34	-29.66	74.00	40.96	30.83	4.86	32.31	---	Peak
8	2708.00	45.30	-28.70	74.00	38.15	31.82	5.60	30.27	---	Peak
9	2916.00	45.67	-28.33	74.00	37.38	32.35	5.91	29.97	---	Peak
10	3210.00	45.89	-28.11	74.00	36.17	33.12	6.21	29.61	---	Peak
11	3699.00	46.23	-27.77	74.00	35.26	34.37	6.53	29.93	---	Peak
12	3972.00	46.16	-27.84	74.00	34.51	35.06	6.70	30.11	---	Peak



4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 20, 2017	Feb. 05, 2018	Apr. 19, 2018	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 13, 2017	Feb. 05, 2018	Oct. 12, 2018	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Oct. 13, 2017	Feb. 05, 2018	Oct. 12, 2018	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 12, 2017	Feb. 05, 2018	Oct. 11, 2018	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz; Max 30dBm	Aug. 08, 2017	Feb. 03, 2018	Aug. 07, 2018	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz~44GHz, MAX 30dB	Apr. 18, 2017	Feb. 03, 2018	Apr. 17, 2018	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	23182	30MHz~2GHz	Jan. 22, 2017	Feb. 03, 2018	Jan. 21, 2018	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Oct. 21, 2017	Feb. 03, 2018	Oct. 20, 2018	Radiation (03CH02-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA170249	15GHz~40GHz	Feb. 15, 2017	Feb. 03, 2018	Feb. 14, 2018	Radiation (03CH01-KS)
Amplifier	SONOMA	310N	187289	9kHz~1GHz	Aug. 07, 2017	Feb. 03, 2018	Aug. 06, 2018	Radiation (03CH02-KS)
Amplifier	Agilent	8449B	3008A02384	1-26.5GHz Gain 30dB	Oct. 12, 2017	Feb. 03, 2018	Oct. 11, 2018	Radiation (03CH02-KS)
Amplifier	MITEQ	TTA1840-35-H G	1887435	18GHz~40GHz	Oct. 12, 2017	Feb. 03, 2018	Oct. 11, 2018	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	61601000247 3	N/A	NCR	Feb. 03, 2018	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Feb. 03, 2018	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Feb. 03, 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% ($U = 2U_c(y)$)	2.3dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.5dB
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Uncertainty of Radiated Emission Measurement (1GHz ~ 18GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.2dB
--	-------

Uncertainty of Radiated Emission Measurement (18GHz ~ 40GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.7dB
--	-------