



FCC Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Phone
BRAND NAME : Motorola,Lenovo
MODEL NAME : XT2155-3, XT2155-4
FCC ID : IHDT56ZW5
STANDARD : 47 CFR Part 15 Subpart B
CLASSIFICATION : Certification
TEST DATE(S) : May 29, 2021 ~ May 31, 2021

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

Alex Wang

Approved by: Alex Wang / 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

REVISION HISTORY	3
SUMMARY OF TEST RESULT	4
1. GENERAL DESCRIPTION	5
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. Test Software	7
1.8. Applicable Standards	7
1.9. Specification of Accessory	8
2. TEST CONFIGURATION OF EQUIPMENT UNDER TEST	9
2.1. Test Mode	9
2.2. Connection Diagram of Test System	10
2.3. Support Unit used in test configuration and system	10
2.4. EUT Operation Test Setup	11
3. TEST RESULT	12
3.1. Test of AC Conducted Emission Measurement	12
3.2. Test of Radiated Emission Measurement	16
4. LIST OF MEASURING EQUIPMENT	21
5. UNCERTAINTY OF EVALUATION	22
APPENDIX A. SETUP PHOTOGRAPHS	



Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC142611-02	Rev. 01	Initial issue of report	Jul. 01, 2021



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 12.23 dB at 0.447 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 4.63 dB at 480.080 MHz

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

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 Phone
Brand Name	Motorola, Lenovo
Model Name	XT2155-3, XT2155-4
FCC ID	IHDT56ZW5
EUT supports Radios application	GSM/WCDMA/LTE WLAN 2.4GHz 802.11b/g/n HT20 Bluetooth BR/EDR/LE FM Receiver, GNSS
IMEI Code	Conduction: 356671880005168/356671880045164 sample 1 355671880009830/356671880009830 sample 2 Radiation: 356671880005978/356671880005978 sample 1 355671880009830/356671880009830 sample 2
HW Version	DVT2
SW Version	RON31.179-2
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 difference between Sample 1 and Sample 2 could refer the product equality declaration exhibit separately. According to the difference, we choose sample 1 to perform full tests and the sample 2 is verified the difference.

1.4. Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	GSM850: 824 MHz ~ 849 MHz GSM1900: 1850MHz ~ 1910MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2535 MHz ~ 2655 MHz 802.11b/g/n: 2400 MHz ~ 2483.5 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz
Rx Frequency	GSM850: 869 MHz ~ 894MHz GSM1900: 1930MHz ~ 1990MHz WCDMA Band II: 1930 MHz ~ 1990 MHz WCDMA Band V: 869 MHz ~ 894MHz LTE Band 5 : 869 MHz ~ 894MHz LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2535 MHz ~ 2655 MHz 802.11b/g/n: 2400 MHz ~ 2483.5 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz GNSS : 1559 MHz ~ 1610 MHz FM : 88 MHz ~ 108 MHz
Antenna Type	WWAN : Fixed Internal Antenna WLAN : PIFA Antenna Bluetooth : PIFA Antenna GNSS: PIFA Antenna FM : External Earphone Antenna
Type of Modulation	GSM/GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA : BPSK HSDPA/DC-HSDPA : QPSK HSUPA : QPSK HSPA+ : 16QAM DC-HSDPA : 64QAM LTE: QPSK / 16QAM / 64QAM 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

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. Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH02-KS	AUDIX	E3	6.2009-8-24a
2.	CO01-KS	AUDIX	E3	6.2009-8-24

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.

1.9. Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	Brand Name	Motorola (Chenyang)	Model Name	MC-101
AC Adapter 1(EU)	Brand Name	Motorola (Chenyang)	Model Name	MC-102
AC Adapter 1(UK)	Brand Name	Motorola (Chenyang)	Model Name	MC-103
AC Adapter 1(AU)	Brand Name	Motorola (Chenyang)	Model Name	MC-105
AC Adapter 1(AR)	Brand Name	Motorola (Chenyang)	Model Name	MC-106
AC Adapter 2(Chile)	Brand Name	Motorola (Salcomp)	Model Name	MC-109
AC Adapter 3(US)	Brand Name	Motorola (Aohai)	Model Name	MC-101
AC Adapter 3(EU)	Brand Name	Motorola (Aohai)	Model Name	MC-102
AC Adapter 3(UK)	Brand Name	Motorola (Aohai)	Model Name	MC-103
AC Adapter 3(AU)	Brand Name	Motorola (Aohai)	Model Name	MC-105
AC Adapter 3(AR)	Brand Name	Motorola (Aohai)	Model Name	MC-106
Battery 1	Brand Name	Motorola (ATL)	Model Name	NT40
Battery 2	Brand Name	Motorola (SCUD)	Model Name	NT40
Earphone 1	Brand Name	Motorola (NEW LEADER)	Model Name	NLD-EM313A-23SF
Earphone 2	Brand Name	Motorola (Ju wei)	Model Name	JWEP1185-ZN01H
USB Cable	Brand Name	Motorola (Ju wei)	Model Name	JWUB1485-ZN01H

2. Test Configuration of Equipment Under Test

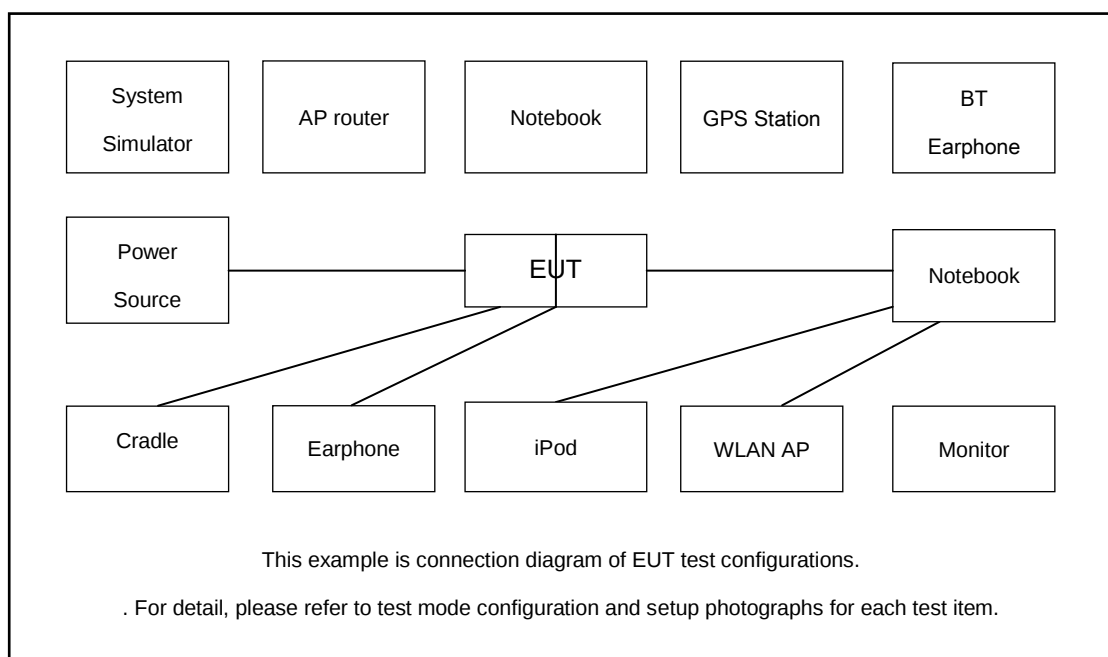
2.1. Test Mode

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 Idle(2.4G)+Camera(Rear)+ USB Cable (Charging from Adapter1)+SIM 1+Earphone 1 for sample 1
	Mode 2: WCDMA 1900 Rx+ Bluetooth Idle+ WLAN Idle(2.4G)+Camera(Front)+ USB Cable (Charging from Adapter2)+SIM 2+Earphone 2 for sample 1
	Mode 3: WCDMA 850 Rx(High)+ Bluetooth Idle+ WLAN Idle(2.4G)+MP4+ USB Cable (Charging from Adapter3)+SIM 1+Earphone 1 for sample 1
	Mode 4: LTE Band 5 Rx(High)+ Bluetooth Idle+ WLAN Idle(2.4G)+FM Rx(98)+ USB Cable (Charging from Adapter3)+SIM 2+Earphone 1 for sample 1
	Mode 5: LTE Band 7 Rx+ Bluetooth Idle+ WLAN Idle(2.4G)+GNSS Rx+ USB Cable(Data Link with Notebook) +SIM1+Earphone 1 for sample 1
	Mode 6: LTE Band 7 Rx+ Bluetooth Idle+ WLAN Idle(2.4G)+GNSS Rx+ USB Cable(Data Link with Notebook) +SIM1+Earphone 1 for sample 2
Radiated Emissions	Mode 1: GSM 850 Rx(Middle)+ Bluetooth Idle+WLAN Idle(2.4G)+Camera(Rear)+ USB Cable(Charging from Adapter1)+ SIM1+ Earphone 1 for sample 1
	Mode 2: WCDMA 1900 Rx+ Bluetooth Idle+WLAN Idle(2.4G)+Camera(Front)+ USB Cable(Charging from Adapter2)+ SIM2+ Earphone 2 for sample 1
	Mode 3: WCDMA 850 Rx(High)+ Bluetooth Idle+ WLAN Idle(2.4G)+MP4+ USB Cable (Charging from Adapter3)+SIM 1+Earphone 1 for sample 1
	Mode 4: LTE Band 5 Rx(High)+ Bluetooth Idle+ WLAN Idle(2.4G)+FM Rx(98)+ USB Cable (Charging from Adapter3)+SIM 2+Earphone 1 for sample 1
	Mode 5: LTE Band 7 Rx+ Bluetooth Idle+ WLAN Idle(2.4G)+GNSS Rx+ USB Cable(Data Link with Notebook)+SIM1+Earphone 1 for sample 1
	Mode 6: LTE Band 7 Rx+ Bluetooth Idle+ WLAN Idle(2.4G)+GNSS Rx+ USB Cable(Data Link with Notebook)+SIM1+Earphone 1 for sample 2
Remark: - The worst case of AC is mode 5; only the test data of this mode is reported. - The worst case of RE is mode 5; only the test data of this mode is reported. - Data Link with Notebook means data application transferred mode between EUT and Notebook. - Pre-scanned Low/Middle/High channel, the worst channel was recorded in this report.	

2.2. Connection Diagram of Test System



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

2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded,1.8m
2.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A
3.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m
4.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded,1.8m
5.	Hard Disk	Lenovo	F310	DoC	Shielded, 1.2m	N/A
6.	SD Card	Kingston	8GB	N/A	N/A	N/A
7.	Notebook	Lenovo	S730-13IWL	N/A	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m
8.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
9.	WLAN AP	TP-Link	TL-WDR5600	N/A	N/A	Unshielded,1.8m
10.	Signal Generator	R&S	SMBV100A	N/A	N/A	Unshielded,1.8m

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 camera to capture images.
3. Turn on MPEG4 function.
4. Turn on FM function to make the EUT receive continuous signals from FM station.
5. Turn on GNSS function to make the EUT receive continuous signals from GNSS 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 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

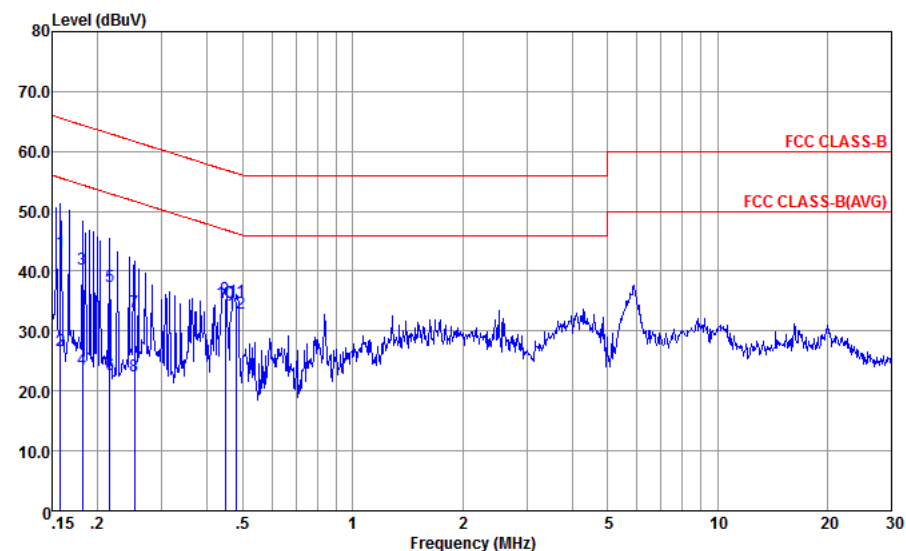
The measuring equipment is listed in the section 4 of this test report.

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.

3.1.5 Test Result of AC Conducted Emission

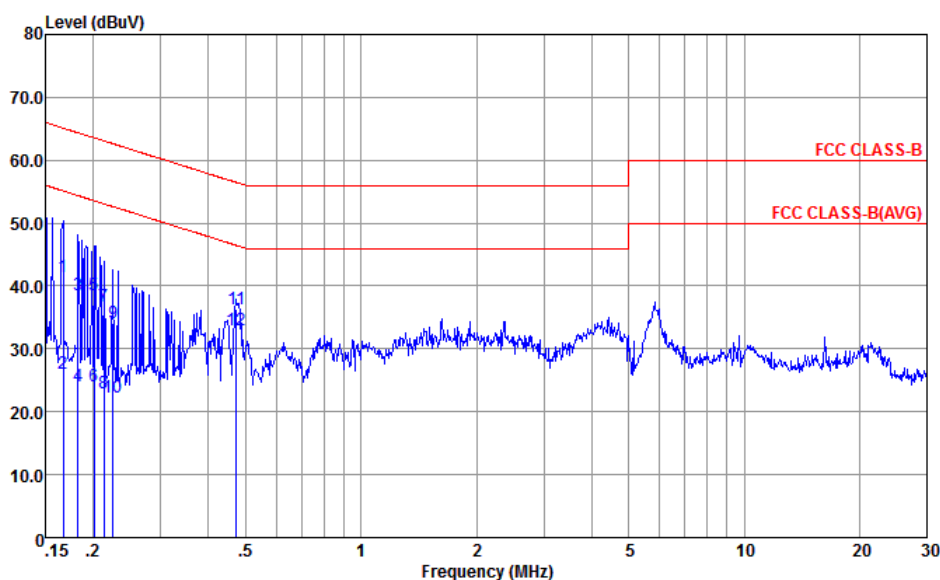
Test Engineer :	Amos zhang	Temperature :	25.3 ~26.2 °C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : FCC CLASS-B TWO-LISN-CN02-L LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.158	43.30	-22.26	65.56	23.20	9.64	10.46	QP
2	0.158	26.70	-28.86	55.56	6.60	9.64	10.46	Average
3	0.182	40.25	-24.17	64.42	20.21	9.64	10.40	QP
4	0.182	23.65	-30.77	54.42	3.61	9.64	10.40	Average
5	0.216	37.50	-25.46	62.96	17.51	9.64	10.35	QP
6	0.216	22.80	-30.16	52.96	2.81	9.64	10.35	Average
7	0.252	33.27	-28.42	61.69	13.30	9.64	10.33	QP
8	0.252	22.57	-29.12	51.69	2.60	9.64	10.33	Average
9	0.447	35.40	-21.63	56.93	15.50	9.65	10.25	QP
10 *	0.447	34.70	-12.23	46.93	14.80	9.65	10.25	Average
11	0.481	34.99	-21.33	56.32	15.10	9.65	10.24	QP
12	0.481	32.99	-13.33	46.32	13.10	9.65	10.24	Average

Test Engineer :	Amos zhang	Temperature :	25.3 ~26.2 °C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : FCC CLASS-B TWO-LISN-CN02-N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBμV	Limit	Line	Level	Factor	Loss	
			dB	dBμV	dBμV	dB	dB	
1	0.167	41.47	-23.65	65.12	21.20	9.83	10.44	QP
2	0.167	26.07	-29.05	55.12	5.80	9.83	10.44	Average
3	0.182	38.46	-25.91	64.37	18.20	9.86	10.40	QP
4	0.182	24.06	-30.31	54.37	3.80	9.86	10.40	Average
5	0.201	38.45	-25.13	63.58	18.20	9.89	10.36	QP
6	0.201	24.05	-29.53	53.58	3.80	9.89	10.36	Average
7	0.213	36.83	-26.27	63.10	16.59	9.88	10.36	QP
8	0.213	23.03	-30.07	53.10	2.79	9.88	10.36	Average
9	0.226	34.01	-28.60	62.61	13.80	9.86	10.35	QP
10	0.226	22.31	-30.30	52.61	2.10	9.86	10.35	Average
11	0.474	36.28	-20.17	56.45	16.30	9.74	10.24	QP
12 *	0.474	32.88	-13.57	46.45	12.90	9.74	10.24	Average

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)

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

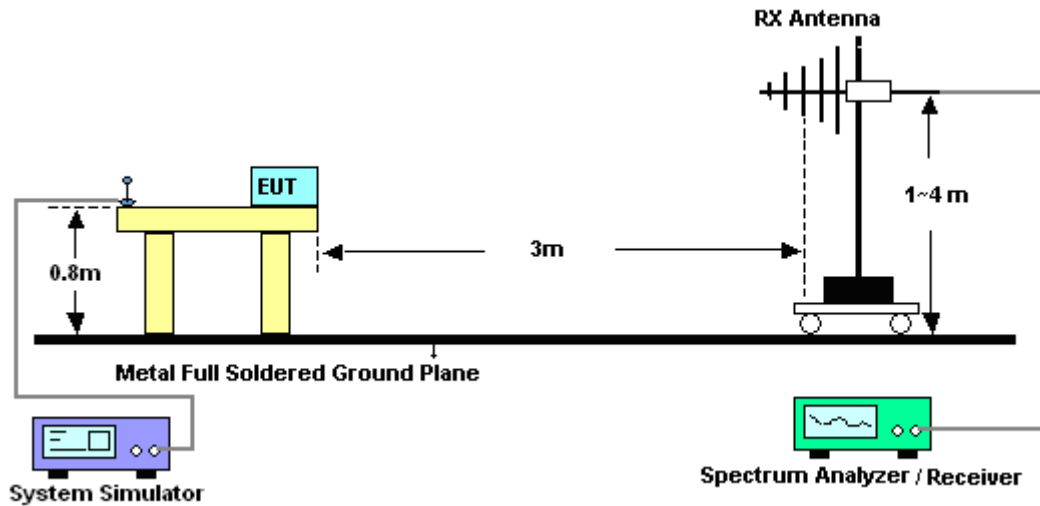
The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

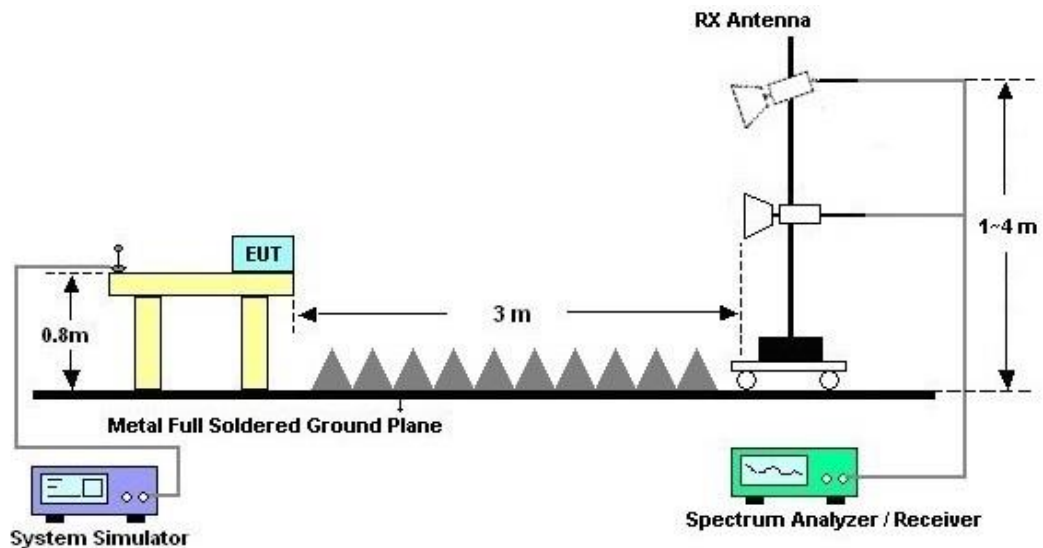
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna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

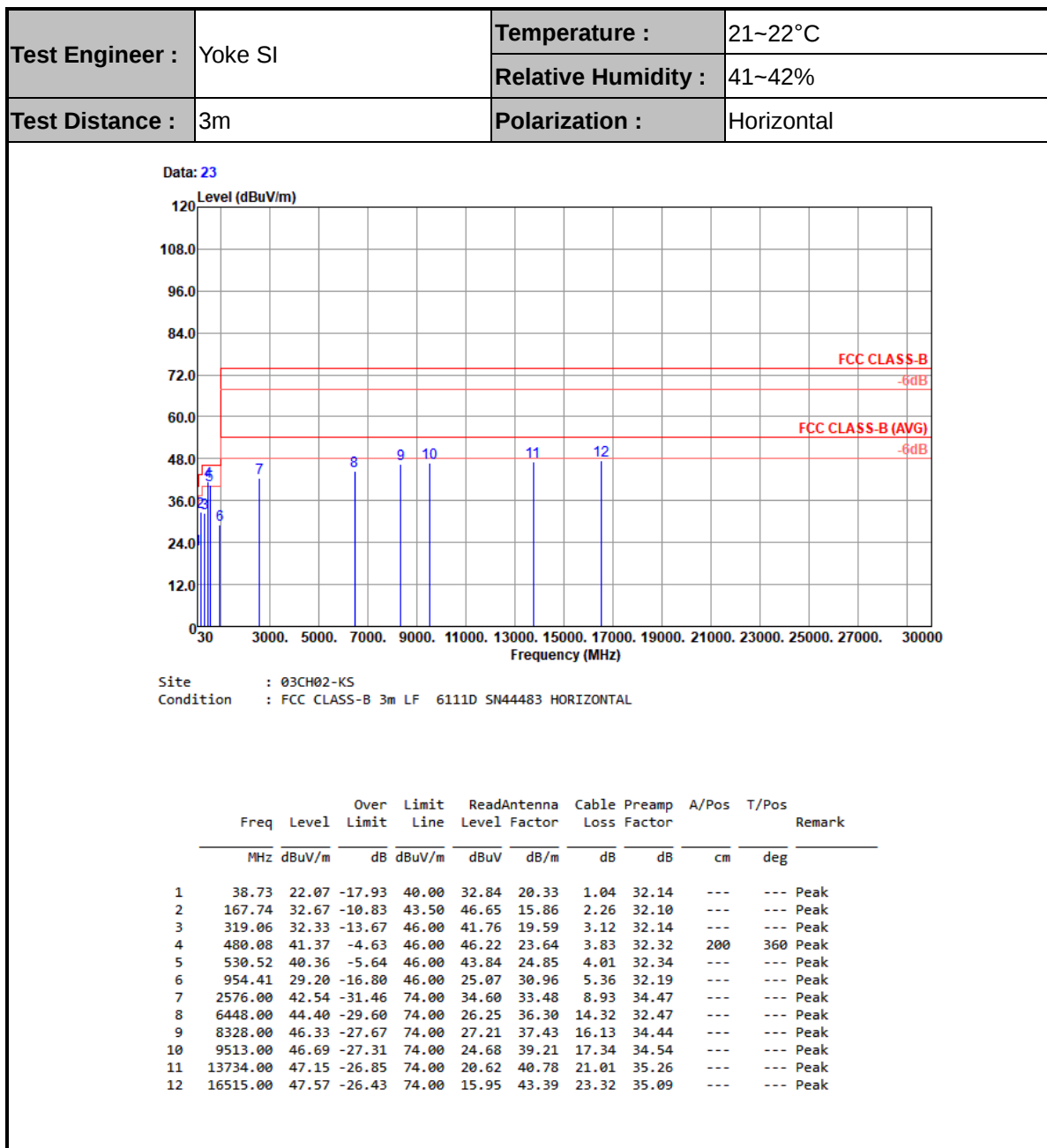
For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

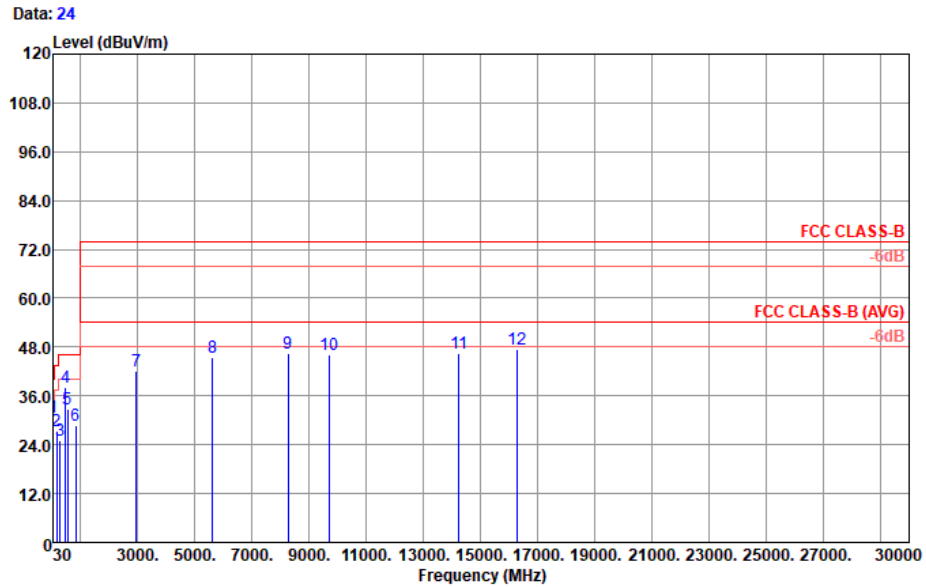


3.2.5. Test Result of Radiated Emission





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



Site : 03CH02-KS
Condition : FCC CLASS-B 3m LF 6111D SN44483 VERTICAL

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg
1	48.43	30.76	-9.24	40.00	46.38	15.38	1.20	32.20	---	Peak
2	167.74	27.30	-16.20	43.50	41.28	15.86	2.26	32.10	---	Peak
3	269.59	25.04	-20.96	46.00	34.60	19.73	2.87	32.16	---	Peak
4	480.08	38.02	-7.98	46.00	42.87	23.64	3.83	32.32	100	197 Peak
5	532.46	32.61	-13.39	46.00	36.02	24.91	4.02	32.34	---	Peak
6	831.22	28.68	-17.32	46.00	27.14	28.89	5.01	32.36	---	Peak
7	2944.00	42.23	-31.77	74.00	33.18	33.41	9.52	33.88	---	Peak
8	5608.00	45.59	-28.41	74.00	29.05	35.67	13.15	32.28	---	Peak
9	8256.00	46.48	-27.52	74.00	27.45	37.40	16.13	34.50	---	Peak
10	9711.00	45.98	-28.02	74.00	51.17	39.28	17.55	62.02	---	Peak
11	14247.00	46.61	-27.39	74.00	46.05	40.86	21.45	61.75	---	Peak
12	16290.00	47.41	-26.59	74.00	43.48	42.92	23.20	62.19	---	Peak

Note:

- Level(dBμV/m) = Read Level(dBμV) + Antenna Factor(dB/m) + Cable Loss(dB) - Preamplifier Factor(dB)
- Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)



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. 21, 2021	May 31, 2021	Apr. 20, 2022	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 17, 2020	May 31, 2021	Oct. 16, 2021	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060105	9kHz~30MHz	Apr. 13, 2021	May 31, 2021	Apr. 12, 2022	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 17, 2020	May 31, 2021	Oct. 16, 2021	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Max 30dBm	Oct. 17, 2020	May 29, 2021	Oct. 16, 2021	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 17, 2020	May 29, 2021	Oct. 16, 2021	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Jan. 26, 2021	May 29, 2021	Jan. 25, 2022	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Nov. 01, 2020	May 29, 2021	Oct. 31, 2021	Radiation (03CH02-KS)
high gain Amplifier	MITEQ	AMF-7D-0010 1800-30-10P	2025788	100MHz-18GHz	Jan. 06, 2021	May 29, 2021	Jan. 05, 2022	Radiation (03CH02-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Nov. 06, 2020	May 29, 2021	Nov. 05, 2021	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Apr. 12, 2021	May 29, 2021	Apr. 11, 2022	Radiation (03CH02-KS)
Amplifier	Keysight	83017A	MY53270316	500MHz~26.5GHz	Oct. 17, 2020	May 29, 2021	Oct. 16, 2021	Radiation (03CH02-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 06, 2021	May 29, 2021	Jan. 05, 2022	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	616010002473	N/A	NCR	May 29, 2021	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	May 29, 2021	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	May 29, 2021	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% ($U = 2Uc(y)$)	2.94dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9dB
---	-------

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

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

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 30000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1dB
---	-------