

RF Test Report



Report Number : 6128626016701
 Applicant : HiTi Digital, Inc.
 Product : HiTi PHOTO PRINTER
 Model : P630
 FCC ID : W5388D303500AT

In accordance with
 FCC rule part §15.225

RESPONSIBLE FOR	NAME	SIGNATURE	DATE
Approved By	Jack Chang	<i>Jack Chang</i>	2026.05.11
Prepared By	Ariel Hsu	<i>Ariel Hsu</i>	2026.05.11

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD Product Service control rules.

EXECUTIVE SUMMARY

TÜV SÜD Asia Ltd., reports apply only to the specific samples tested under stated test conditions. Construction of the actual test samples has been documented. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. The manufacturer/importer is responsible to the Competent Authorities for any modifications made to the production units which result in non-compliance to the relevant regulations. TÜV SÜD Asia Ltd. shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV SÜD Asia Ltd. issued reports.

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1 General Information

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

History of this test report

Issue	Description of Change	Date of Issue
1	Initial Issue	2026-05-11

1.2 Introduction

The information contained in this report is intended to show verification of RF qualification approval. The testing requirements of the standards for the tests listed in Section 1.5.

Applicant : HiTi Digital, Inc.
Address : 7F, No. 207-2, Sec. 3, Beixin Rd., Xindian Dist., 231 New Taipei City, TAIWAN
Manufacturer : HiTi Digital, Inc.
Product Name : HiTi PHOTO PRINTER
Model Number(s) : P630
Trade name : HiTi
Date of Receipt of EUT : 2026-03-05
Start of Test : 2026-04-10
Finish of Test : 2026-05-06
Test Laboratory : TÜV SÜD Asia Ltd., Taiwan Branch
Address : 7F., No. 37, Sec. 2, Zhongyang S. Rd., Beitou District, Taipei City 11270, R.O.C. Taiwan
Test Location : TÜV SÜD Asia Ltd., Taiwan Branch, Guishan Laboratory
Address : No. 31, Dinghu Road, Guishan District, Taoyuan City, TAIWAN (R.O.C.)

The test facility is accredited by TAF (member of ILAC), under number 2573 according to ISO/IEC 17025: 2017.

FCC Designation Number No.: TW2573

ISED CAB identifier No./ Company Number: TW2573 / 32030

1.3 Applied Standard

FCC rule part §15.225
FCC Part 15, Subpart C §15.225
ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024

1.4 Deviation from standards

None

1.5 List of applied test(s) of the EUT

FCC Rules	Test item	Result	Remark
§15.207	AC Power Line Conducted Emission	Compliant	
§15.225 (a)-(d)	Radiated Emission	Compliant	
§15.209	Radiated Emission Limits, general requirement	Compliant	
§15.225 (e)	Frequency Stability	Compliant	
§2.1049 §15.215 (c)	Emission Bandwidth	Compliant	

2 General EUT Information

All information in this chapter was provided by the applicant.

2.1 General Description

2.2 Variation of family model(s)

2.2.1 List of family model(s)

N/A

2.3 Technical Specification of EUT

Items	EUT information
Operating Frequency	13.56 MHz
Channel number	1
Field Strength of Fundamental	8.85dBuV/m @30m, 48.85dB μ V/m @3m
Extreme Temperature Range	-20 ~ 50 °C
Operation Voltage	AC 100V ~ 240V, 50/60 Hz
Modulation	ASK
Firmware Version	V1.01
Hardware Version	V1.01
Test Software Version	V1.03.20
Sample ID	201880009018-E1-002

2.4 Antenna Information

Antenna Type	Brand	Model	Frequency (MHz)	Connector
Loop	HITI	P630	13.56	Permanently attached antenna

Note:

1: The applicant provides antenna information.

3 Configuration of Equipment

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

Numbers assigned to equipment on the diagram in "3.2 System configuration" correspond to the list in "3.1 Equipment and Cable(s) used"

This test configuration is based on the manufacture's instruction.

Cabling and setup(s) were taken into consideration and test data was taken under worse case condition.

The EUT has been tested as an independent unit with other necessary accessories or support units.

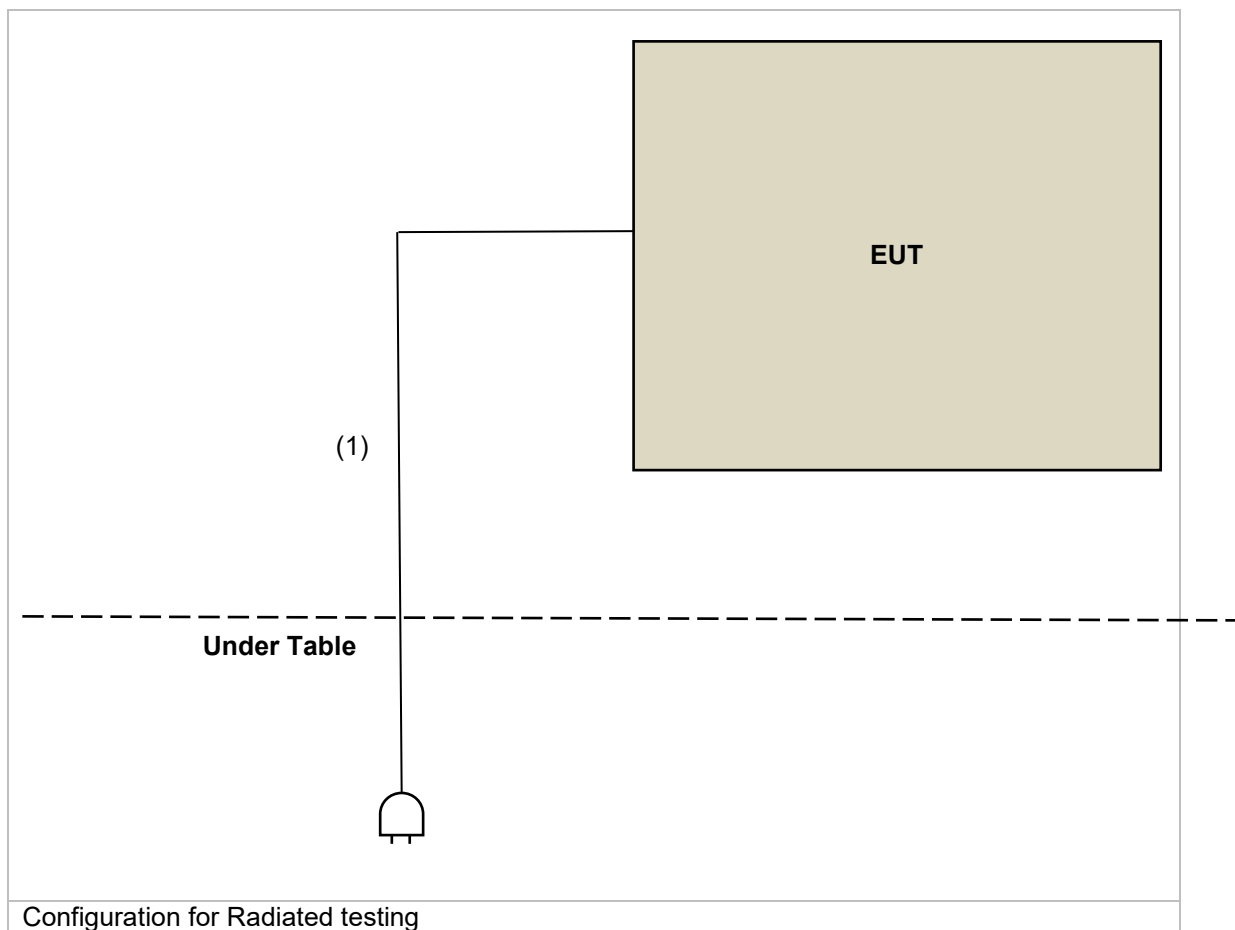
3.1 Equipment and Cable(s) used

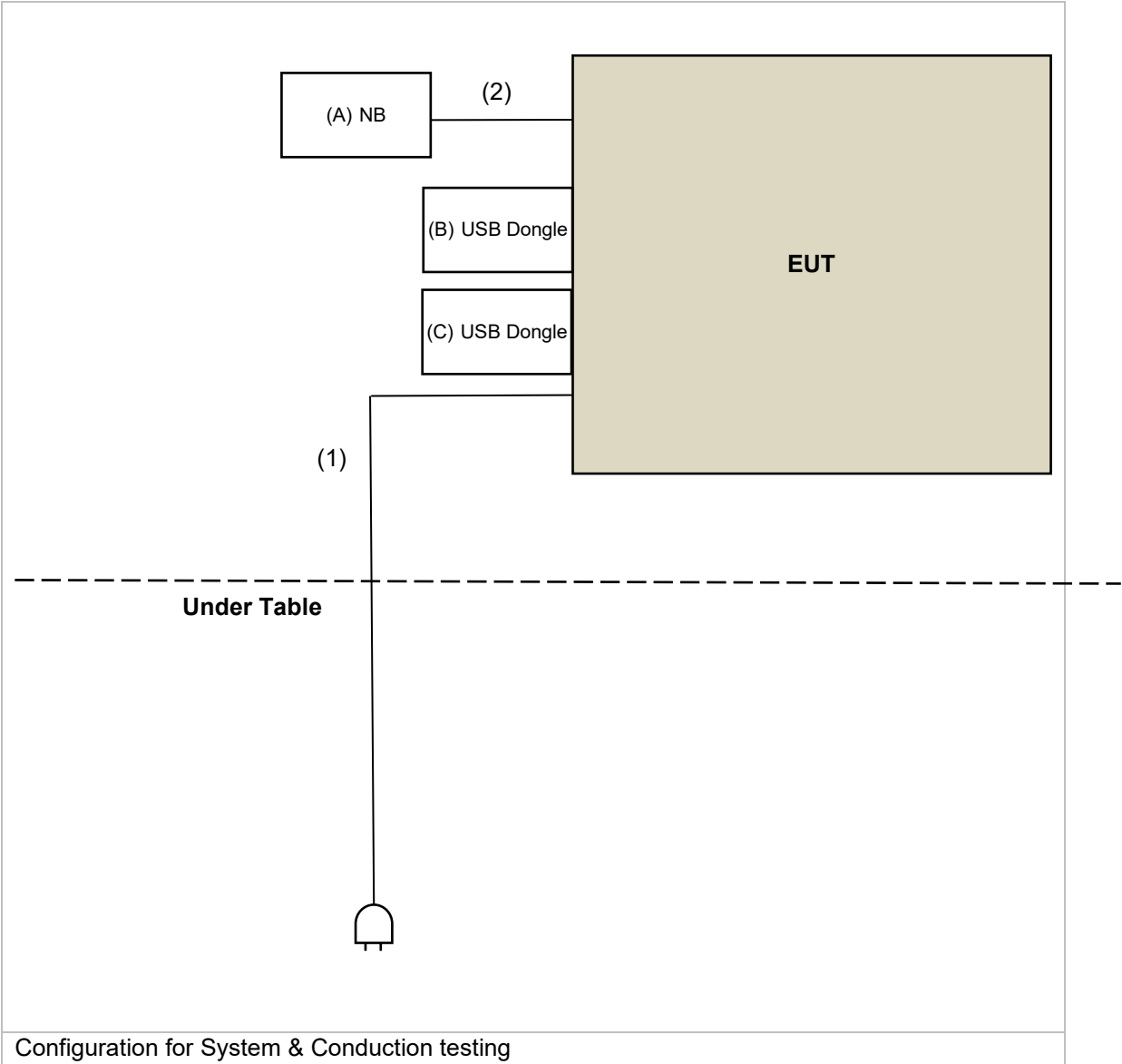
No.	Product	Brand	Model	Serial No.	Remarks
A	Laptop	Lenovo	TP00048A	PC-00NQMT	Provided by Lab
B	USB Dongle	SANDISK	E8BDC	N/A	Provided by Lab
C	USB Dongle	SANDISK	E8BDC	N/A	Provided by Lab

3.2 Cable(s) used

No.	Cable Descriptions	Brand	Model	Length(m)	Remarks
1	Power Cable	I-SHENG ELECTRIC WIRE & CABLE CO., LTD.	V55VS33161218302	1.8	Provided by Client
2	USB-B	PETER'S CO., LTD.	PIW-2161C	1.5	Provided by Client

3.3 System configuration





4 General Test Configurations

The equipment under test (EUT) was configured to measure its maximum emission level. The test modes were adapted accordingly in reference to the instructions for use.

4.1 Description of test mode

- 1) The EUT has been tested under continuous transmission mode.
- 2) The frequency 13.56 MHz is the default channel to test, where it is the only manipulative channel as this application supports.
- 3) The field strength of radiation emission was measured as the EUT positioned in different orthogonal planes (X/Y/Z) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.
- 4) Only one configuration is supported/applicable as follows.

Field Strength of Fundamental Emissions

- ☐ Pre-scan full test was applied on all test modes, but only the worst case was shown.
☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)
-	13.56	13.56

Radiated Spurious Emissions

- ☐ Pre-scan full test was applied on all test modes, but only the worst case was shown.
☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)
-	13.56	13.56

Frequency Stability

- ☐ Pre-scan full test was applied on all test modes, but only the worst case was shown.
☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)
-	13.56	13.56

20 dB Bandwidth

- ☐ Pre-scan full test was applied on all test modes, but only the worst case was shown.
☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)
-	13.56	13.56

Mains Conducted Emission

- ☐ Pre-scan full test was applied on all test modes, but only the worst case was shown.
☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)
-	13.56	13.56

4.2 Test Condition

Test Item	Ambient Temperature	Relative Humidity	Tested by
Field Strength of Fundamental Emissions	22-26 °C	50-65 %	Sam Huang
Radiated Spurious Emissions	22-26 °C	50-65 %	Sam Huang
Frequency Stability	22-26 °C	50-65 %	Sam Huang
20 dB Bandwidth	22-26 °C	50-65 %	Kevin Syu
Mains Conducted Emission	22-26 °C	50-65 %	Sam Huang

5 Test Result

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Refer to EUT photo for details.

5.2 Field Strength of Fundamental Emissions

5.2.1 Measurement procedure

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

Distance Extrapolation Factor

30m to 3m

Distance extrapolation = $40 \cdot \log(30/3) = 40 \text{ dB}$

30m to 10m

Distance extrapolation = $40 \cdot \log(30/10) = 19.08 \text{ dB}$

10m to 3m

Distance extrapolation = $40 \cdot \log(10/3) = 20.92 \text{ dB}$

Note:

- Distance extrapolation factor = $40 \log(\text{required distance} / \text{test distance}) \text{ (dB)}$
- The lower limit shall apply at the transition frequencies.
- KDB 414788 D01 OATS and 3m semi-anechoic chamber Justification:
Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. OATS and 3m SAC chamber testing had been performed and 3m SAC measured test result is the worst case test result.

Actual FS (dBμV/m) = Spectrum. Reading level(dBμV) + Factor(dB)

Below 30 MHz of Factor(dB) = Antenna Factor(dBμV/m) + Cable Loss(dB) – Distance Factor (dB)

Above 30 MHz of Factor(dB) = Antenna Factor(dBμV/m) + Cable Loss(dB) – Pre_Amp Gain (dB)

The trace on RE(radiation emission) plot is as colored blue, and the detection manner we've employed is peak detector.

5.2.2 Measurement procedure

- 1) The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3-meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 3) Parallel (OPEN), perpendicular (CLOSE), and ground-parallel (GROUND) orientations of the antenna are set to make the measurement.
- 4) For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 5) The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.

Test Results

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Level (dBuV/m) = Reading (dBuV) + Factor (dB/m)

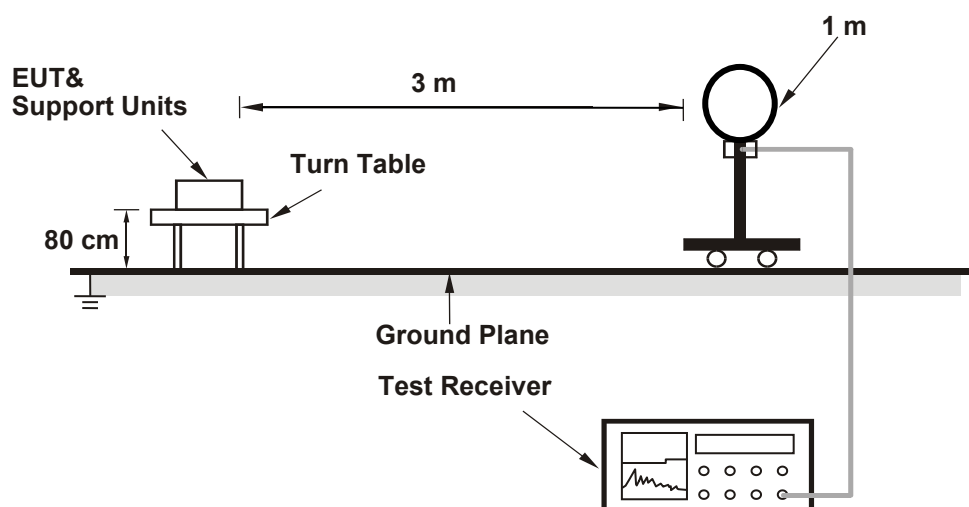
Limit at 30m = 15848 (uV/m)

**Limit at 3m = $20 \cdot \log(15848) + 40 \log(30\text{m}/3\text{m})$ (dBuV/m)

= 84 + 40 (dBuV/m)

= 124 (dBuV/m)

5.2.3 Test Setup



5.2.4 Limit

Rules and specifications	CFR 47 Part 15 section 15.225(a)-(d)	
Frequency of Emission (MHz)	Field Strength (μV/m)at 30m	Field Strength (dBμV/m)at 30m
1.705~13.110	30	29.5
13.110~13.410	106	40.5
13.410~13.553	334	50.5
13.553~13.567	15848	84
13.567~13.710	334	50.5
13.710~14.010	106	40.5
14.010~30.00	30	29.5

5.2.5 Measurement result

Please refer to Appendix B

5.3 Radiated Spurious Emissions

5.3.1 Measurement procedure

For Radiated Emissions below 30 MHz

- a) The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c) Parallel (OPEN), perpendicular (CLOSE), and ground-parallel (GROUND) orientations of the antenna are set to make the measurement.
- d) For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e) The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

NOTE:

- 1) The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.
- 2) All modes of operation were investigated and the worst-case emissions are reported.

For Radiated Emissions above 30 MHz

- a) The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c) The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e) The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f) The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

- 1) The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
- 2) All modes of operation were investigated and the worst-case emissions are reported.

- 3) The Radiated Emissions testing was performed in the X, Y and Z axis orientation. The worst-case Axis orientation is recorded in this test report.

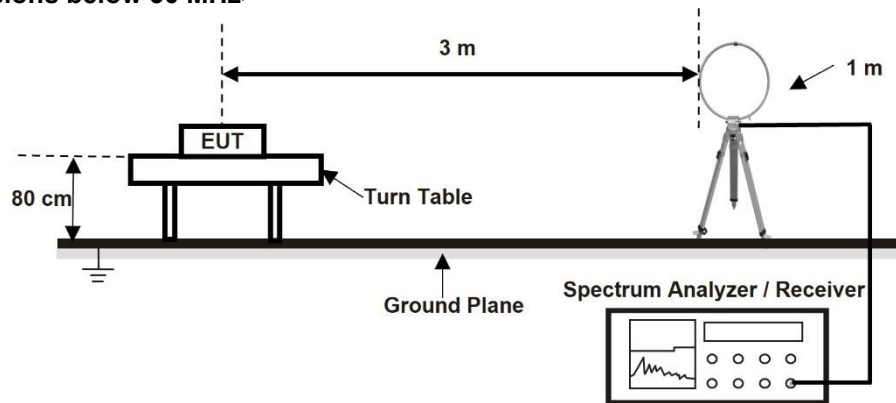
Test Results

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

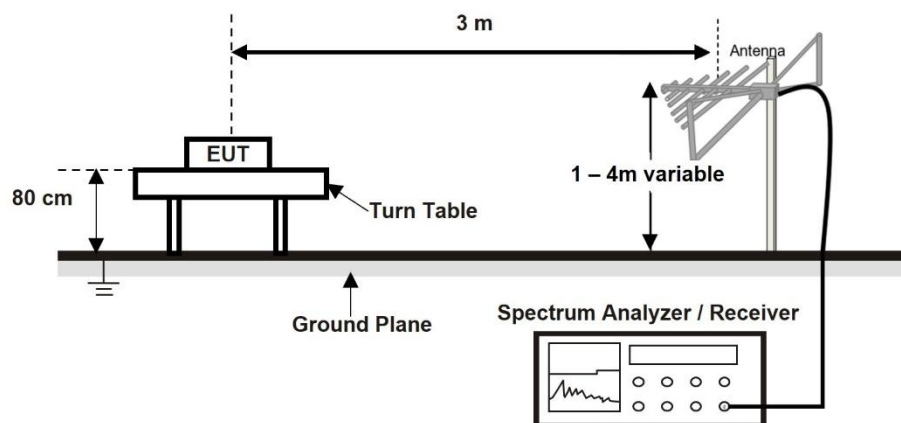
Level (dBuV/m) = Reading (dBuV) + Factor (dB/m)

5.3.2 Test Setup

<Radiated Emissions below 30 MHz>



<Radiated Emissions 30 MHz to 1 GHz>



5.3.3 Limit

The field strength of any emissions appearing outside of the 13.110-14.010 MHz shall not exceed the general radiated emission limits in section 15.209 as below.

Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Notes:

- 1) Emission level in $\text{dB}\mu\text{V/m} = 20 \log (\mu\text{V/m})$
- 2) Distance extrapolation factor = $40 \log (\text{required distance/ test distance})$ (dB)
- 3) $20 * \log(30 \mu\text{V/m}) = 29.54 \text{ dB}\mu\text{V/m}$
- 4) The lower limit shall apply at the transition frequencies.
- 5) The measurement was undertaken in closer distance at 3m, where extrapolation factor is offset to convert the limit of the measurement.
- 6) Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of §15.205
- 7) The general radiated emission limits in §15.209 apply for the spurious emission generate from UE, except for the fundamental emission where the respective section specifies otherwise.

5.3.4 Measurement result

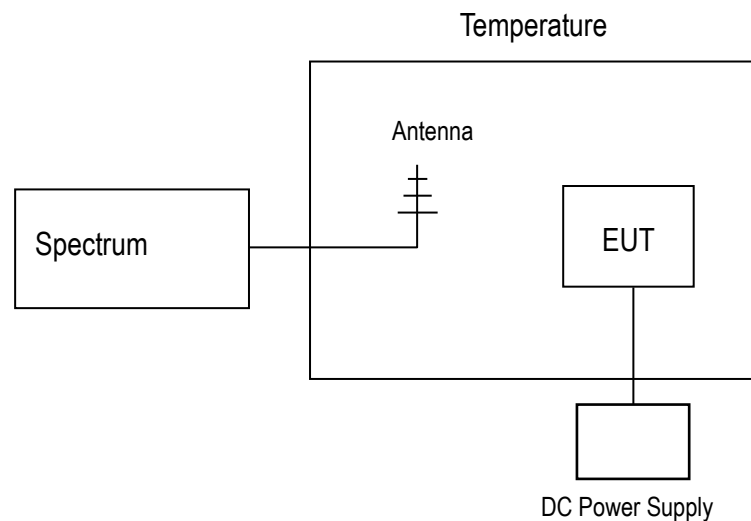
Please refer to Appendix C

5.4 Frequency Stability

5.4.1 Measurement procedure

- 1) The EUT was placed on a turn table which is 0.8m above ground plane.
- 2) Set EUT as normal operation
- 3) Set SPA Center Frequency = fundamental frequency, RBW, VBW= 10kHz, Span =100kHz.
- 4) Set SPA Max hold. Mark peak.

5.4.2 Test Setup



5.4.3 Limit

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

5.4.4 Measurement result

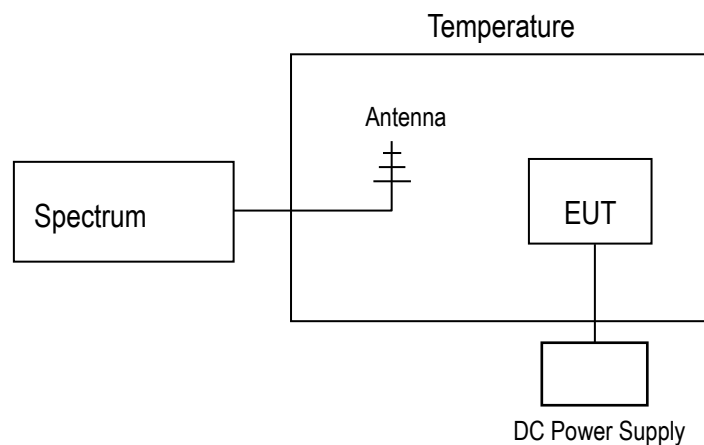
Please refer to Appendix D

5.5 20 dB Bandwidth and 99% Occupied Bandwidth

5.5.1 Measurement procedure

- 1) Placed the EUT on the testing table.
- 2) Set the EUT under transmission condition continuously at specific channel frequency.
- 3) The resolution bandwidth of 1 kHz and the video bandwidth of 3 kHz were used.
- 4) Measured the spectrum width with power higher than 20dB below carrier.

5.5.2 Test Setup



5.5.3 Limit

The 20 dB bandwidth shall be specified in operating frequency band

5.5.4 Measurement result

Please refer to Appendix E

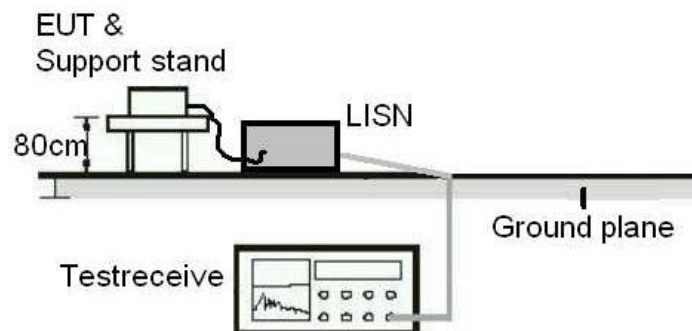
5.6 AC Power Line Conducted Emission

5.6.1 Measurement procedure

1. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/50 μ H of coupling impedance for the measuring instrument.
2. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
3. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz – 30 MHz.

5.6.2 Test Setup



5.6.3 Limit

Frequency range MHz	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Note

1. The lower limit shall apply at the transition frequencies
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.



5.6.4 Measurement result

Please refer to Appendix F

Note: Refer to next page for measurement data and plots.

Note2: The * reveals the worst-case results that closest to the limit.

6 Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

Item	Measurement Uncertainty			
	Test Site	Description	U	Unit
AC Power Line Conducted Emission	Shielded Room A	0.15 – 30MHz	2.69	dB
Radiated Emission, Horizontal @3m distance	Chamber 966B	9kHz – 30MHz	2.61	dB
		30 – 1000MHz	1.82	dB
		1 – 18GHz	2.11	dB
		18 – 40GHz	2.41	dB
Radiated Emission, Vertical @3m distance	Chamber 966B	9kHz – 30MHz	2.61	dB
		30 – 1000MHz	1.8	dB
		1 – 18GHz	2.11	dB
		18 – 40GHz	2.41	dB
Frequency stability	RF Room	--	± 29	Hz
Bandwidth Measurement	RF Room	6dB BW	± 29.78	kHz
	RF Room	20dB BW	± 46.91	kHz
	RF Room	26dB BW	± 55.99	kHz
	RF Room	99% OBW	± 28.95	kHz
Output Power	RF Room	Spectrum	± 1.44	dB
		Power Sensor	± 0.81	
Power Spectral Density	RF Room	--	± 1.44	dB
Conducted Spurious Emission	RF Room	--	± 1.62	Hz

Appendix A. Test Equipment

Test Software	Manufacturer	Model No.	Version	Remark
Test Software	Audix	e3	V9	Radiation

Test Equipment Used (spurious emission)

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
Spectrum Analyzer	Rohde & Schwarz	ESR7	102602	2025-08-05	1 Year
Bi-log	Schwarzbeck	VULB 9168	01496	2026-02-11	1 Year
Preamplifier(30M-1G)	EMCI	EMC330N-P	981122	2026-03-30	1 Year
Loop Antenna	TESEQ	HLA-6121	64165	2026-05-06	1 Year

Test Equipment Used (Mains conduction)

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
EMI Receiver	Rohde & Schwarz	ESR7	102600	2025-08-22	1 Year
LISN	Rohde & Schwarz	ENV216	101517	2025-10-31	1 Year

Test Equipment Used (Emission Bandwidth)

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
Spectrum Analyzer	Keysight	N9010B	MY63440384	2025-07-11	1 Year

Test Equipment Used (Frequency Stability)

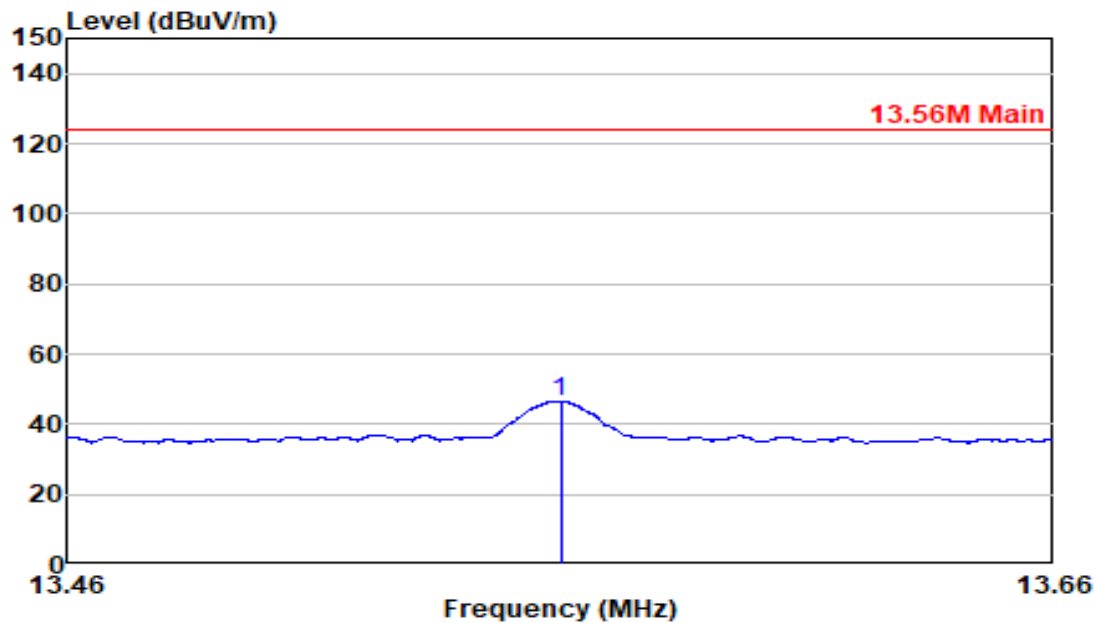
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
Spectrum Analyzer	Keysight	N9010B	MY63440384	2025-07-11	1 Year
Temperature humidity chamber	TERCHY	MHK-408LK	1111131	2025-09-08	1 Year
AC Power Supply	KIKUSUI	PCR6000 W EA2RS	EZ003838	2026-03-05	1 Year

*: The calibrations of the above equipment are traceable to NIST or equivalent standards of the reference organizations.



Appendix B. Field Strength of Fundamental Emissions

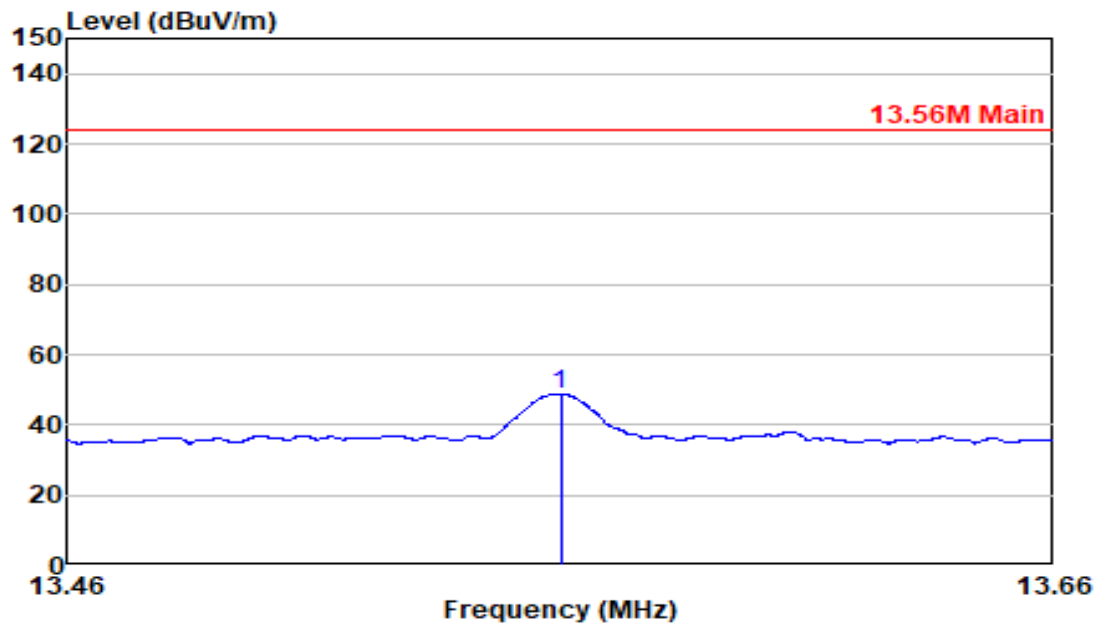
Report No.	:6128626016701	Test Date	:2026-05-06
Operation Band	:NFC	Temp/Humi	:23.1C/61%
Channel	:13.56 MHz	Antenna Pol	:Vertical
Mode	:Main	Test Engineer	:Sam Huang
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Voltage	: AC 120V
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV		dB	PK/QP/AV	CM	DEG
13.560	23.86	22.80	46.66	124.00	-77.34	Peak	100	357



Report No.	:6128626016701	Test Date	:2026-05-06
Operation Band	:NFC	Temp/Humi	:23.1C/61%
Channel	:13.56 MHz	Antenna Pol	:Horizontal
Mode	:Main	Test Engineer	:Sam Huang
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Voltage	: AC 120V
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
13.560	26.05	22.80	48.85	124.00	-75.15	Peak	100	214



Appendix C. Radiated Spurious Emissions

Report No.

Operation Band

Channel

Mode

Power Setting

Plane

Note

:6128626016701

:NFC

:13.56 MHz

:Tx

:default

:Z Plane

:

Test Date

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2026-05-06

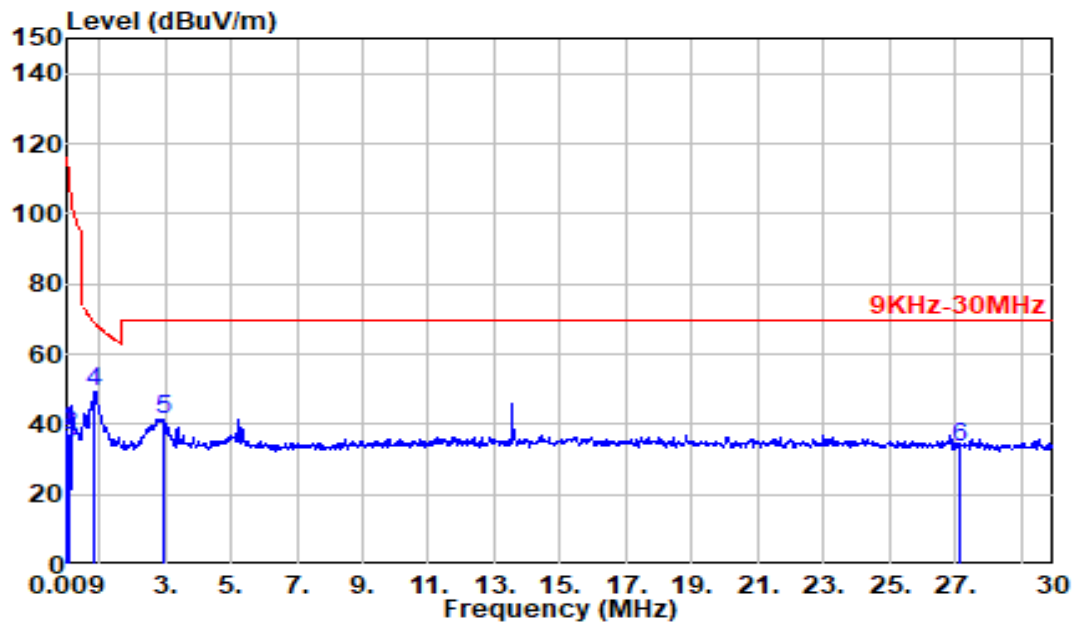
:23.1C/61%

:Vertical

:Sam Huang

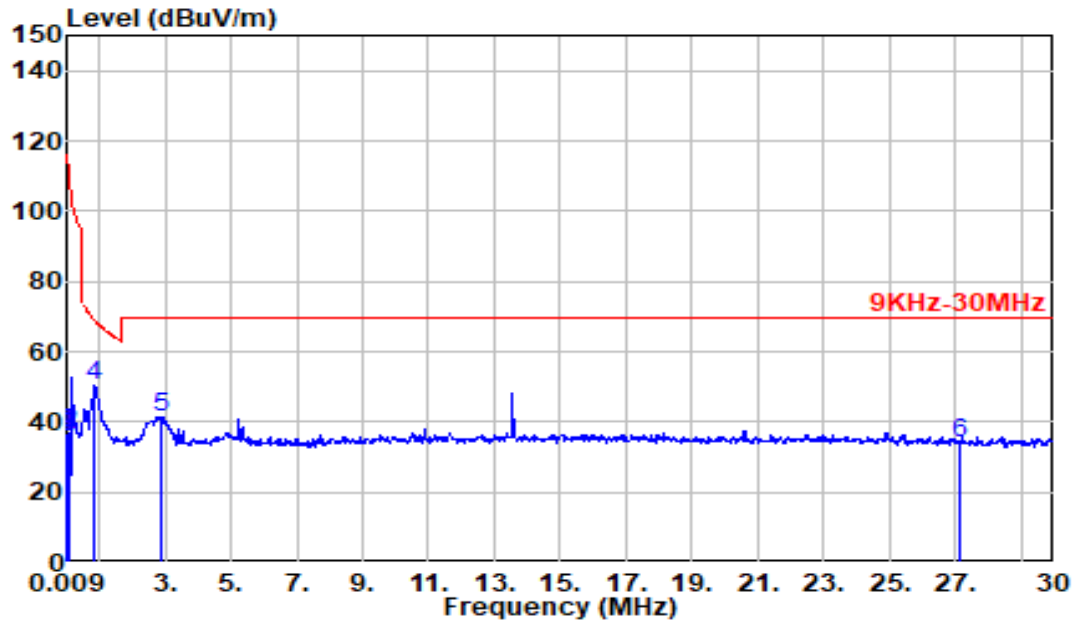
:chamber B

: AC 120V



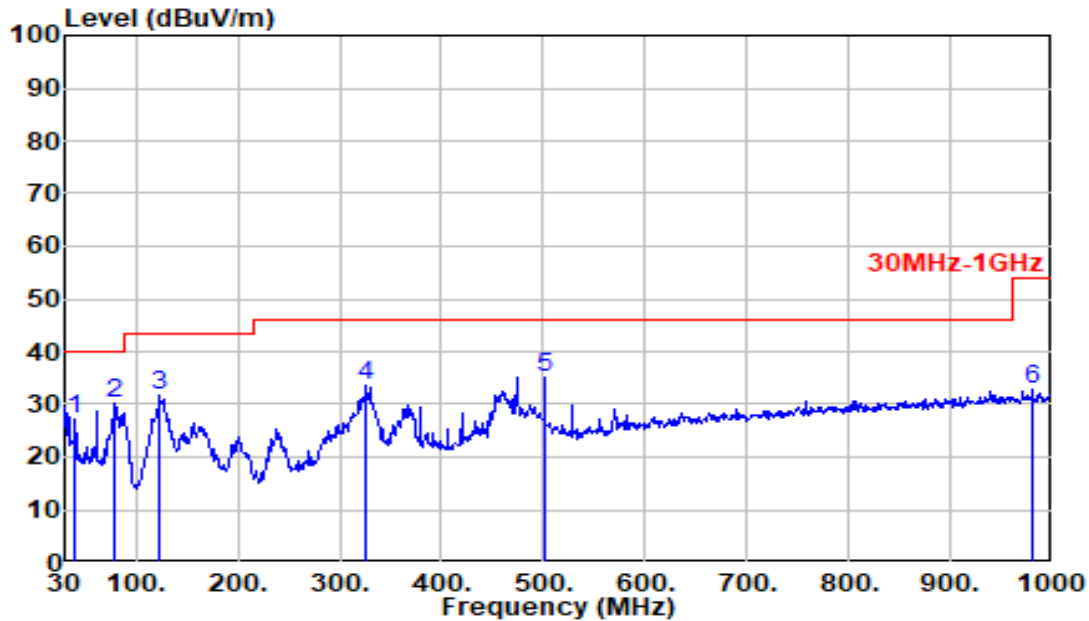
Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
0.038	17.02	20.64	37.66	116.05	-78.39	Peak	100	53
0.076	16.63	20.08	36.70	110.00	-73.29	Peak	100	42
0.114	14.81	19.60	34.41	106.49	-72.08	Peak	100	94
0.866	28.98	20.47	49.44	68.82	-19.37	Peak	100	241
2.926	20.71	20.55	41.25	69.54	-28.29	Peak	100	201
27.120	10.29	23.33	33.62	69.54	-35.92	Peak	100	334

Report No.	:6128626016701	Test Date	:2026-05-06
Operation Band	:NFC	Temp/Humi	:23.1C/61%
Channel	:13.56 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Sam Huang
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Voltage	: AC 120V
Note	:		



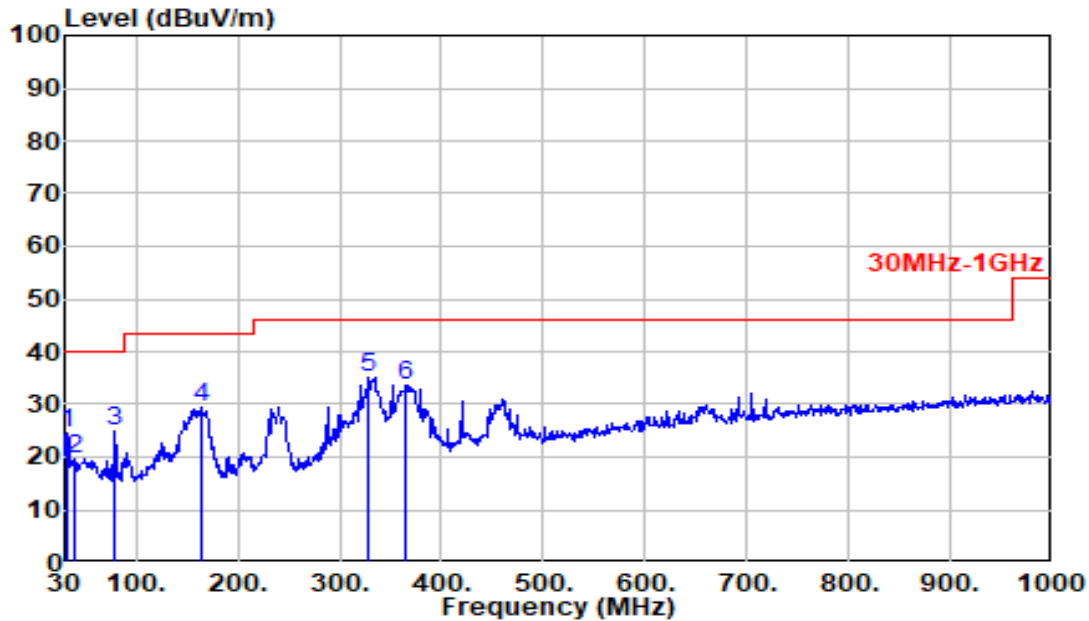
Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
0.038	15.56	20.64	36.20	116.02	-79.82	Peak	100	11
0.076	16.53	20.08	36.61	110.01	-73.40	Peak	100	146
0.114	15.78	19.60	35.38	106.49	-71.11	Peak	100	138
0.866	30.06	20.47	50.52	68.82	-18.29	Peak	100	351
2.866	21.03	20.55	41.57	69.54	-27.97	Peak	100	193
27.120	10.81	23.33	34.14	69.54	-35.40	Peak	100	359

Report No.	:6128626016701	Test Date	:2026-04-10
Operation Band	:NFC	Temp/Humi	:23.1C/61%
Channel	:13.56 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Sam Huang
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Voltage	: AC 120V
Note	:		



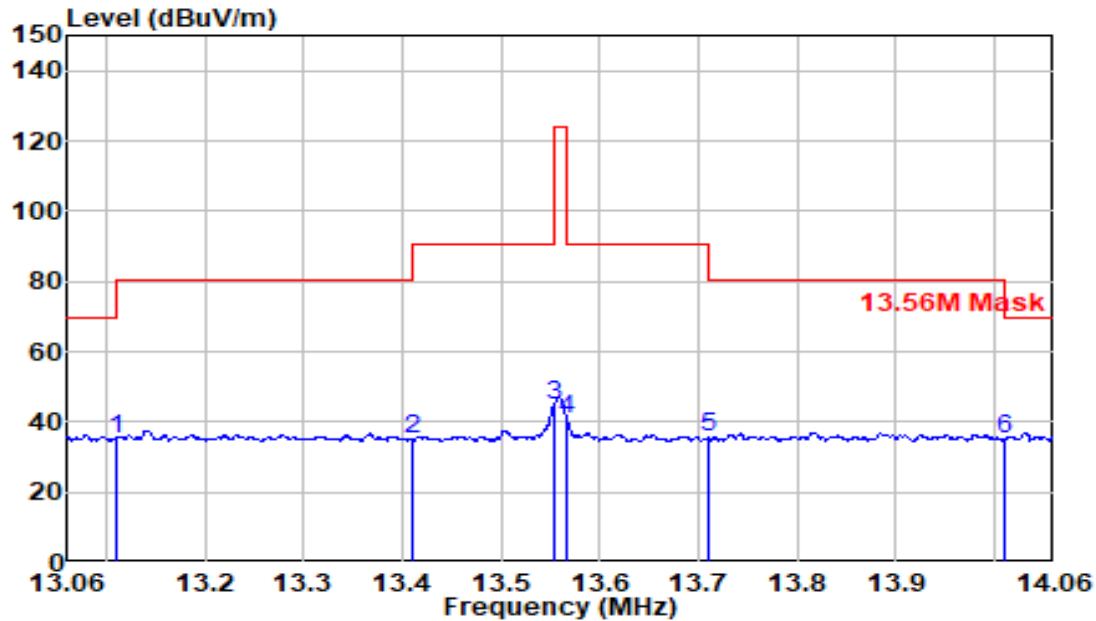
Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
40.680	39.09	-11.84	27.25	40.00	-12.75	Peak	289	30
79.470	46.50	-16.13	30.37	40.00	-9.63	Peak	110	10
123.120	45.35	-13.79	31.56	43.50	-11.94	Peak	188	64
326.820	43.77	-10.22	33.55	46.00	-12.45	Peak	142	14
501.420	41.19	-5.98	35.21	46.00	-10.79	Peak	105	335
980.600	30.51	2.14	32.65	54.00	-21.35	Peak	316	150

Report No.	:6128626016701	Test Date	:2026-04-10
Operation Band	:NFC	Temp/Humi	:23.1C/61%
Channel	:13.56 MHz	Antenna Pol	:Horizontal
Mode	:Tx	Test Engineer	:Sam Huang
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Voltage	: AC 120V
Note	:		



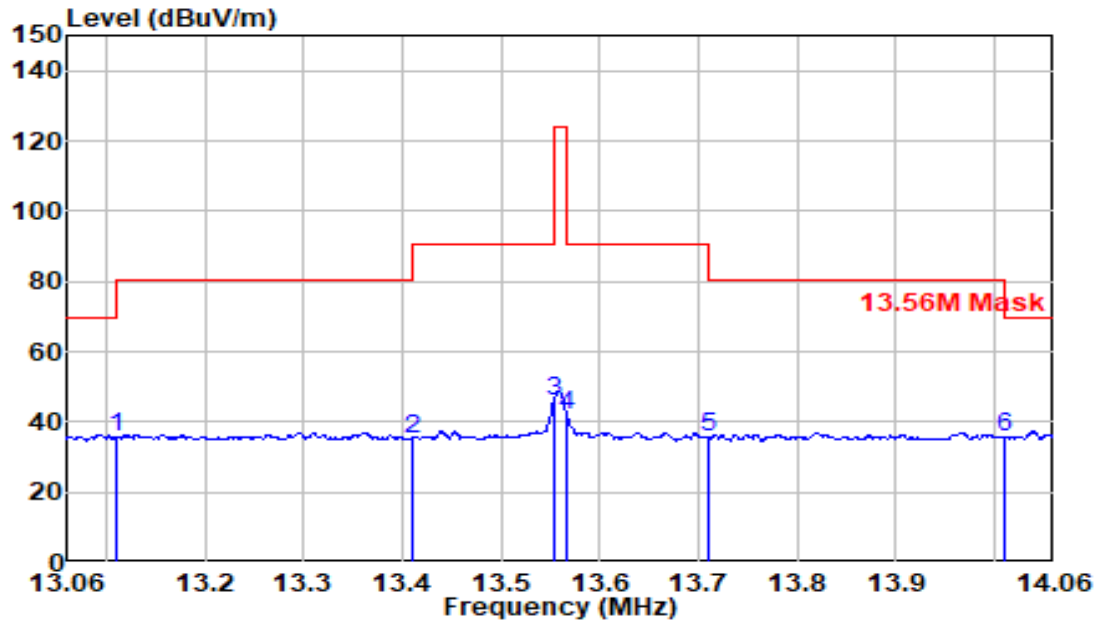
Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
32.910	37.06	-12.56	24.50	40.00	-15.50	Peak	149	26
40.680	31.41	-11.84	19.57	40.00	-20.43	Peak	206	56
79.470	40.92	-16.13	24.79	40.00	-15.21	Peak	244	173
163.860	41.31	-11.70	29.61	43.50	-13.89	Peak	111	125
328.760	45.43	-10.18	35.25	46.00	-10.75	Peak	178	263
365.620	42.97	-9.25	33.72	46.00	-12.28	Peak	304	310

Report No.	:6128626016701	Test Date	:2026-05-06
Operation Band	:NFC	Temp/Humi	:23.1C/61%
Channel	:13.56 MHz	Antenna Pol	:Vertical
Mode	:Mask	Test Engineer	:Sam Huang
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Voltage	: AC 120V
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
13.110	12.58	22.78	35.36	69.54	-34.18	Peak	100	264
13.410	12.06	22.80	34.85	80.50	-45.65	Peak	100	77
13.553	22.02	22.80	44.82	90.47	-45.65	Peak	100	360
13.567	17.93	22.81	40.73	90.47	-49.74	Peak	100	6
13.710	12.63	22.81	35.45	80.50	-45.05	Peak	100	357
14.010	12.10	22.83	34.93	69.54	-34.61	Peak	100	52

Report No.	:6128626016701	Test Date	:2026-05-06
Operation Band	:NFC	Temp/Humi	:23.1C/61%
Channel	:13.56 MHz	Antenna Pol	:Horizontal
Mode	:Mask	Test Engineer	:Sam Huang
Power Setting	:default	Test Site	:chamber B
Plane	:Z Plane	Voltage	: AC 120V
Note	:		



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
13.110	12.72	22.78	35.49	69.54	-34.05	Peak	100	356
13.410	12.31	22.80	35.11	80.50	-45.39	Peak	100	0
13.553	23.30	22.80	46.10	90.47	-44.37	Peak	100	67
13.567	19.07	22.81	41.87	90.47	-48.60	Peak	100	83
13.710	12.62	22.81	35.43	80.50	-45.07	Peak	100	309
14.010	12.97	22.83	35.81	69.54	-33.73	Peak	100	0

Appendix D. Frequency Stability

Frequency Stability vs. Temperature Limit: $\pm 0.01\%$								
Temperature (°C)	Frequency (MHz)							
	0 minutes		2 minutes		5 minutes		10 minutes	
	Reading (MHz)	Drift (%)	Reading (MHz)	Drift (%)	Reading (MHz)	Drift (%)	Reading (MHz)	Drift (%)
50	13.56038	0.00280	13.56020	0.00147	13.56087	0.00642	13.56118	0.00870
40	13.56024	0.00177	13.56117	0.00863	13.55867	-0.00981	13.56005	0.00037
30	13.55923	-0.00568	13.56108	0.00796	13.56090	0.00664	13.56083	0.00612
20	13.55876	-0.00914	13.56068	0.00501	13.55990	-0.00074	13.56002	0.00015
10	13.55978	-0.00162	13.55881	-0.00878	13.56013	0.00096	13.56100	0.00737
0	13.56021	0.00155	13.55899	-0.00745	13.56042	0.00310	13.56117	0.00863
-10	13.55905	-0.00701	13.56074	0.00546	13.56059	0.00435	13.55964	-0.00265
-20	13.55960	-0.00295	13.56081	0.00597	13.56071	0.00524	13.55968	-0.00236

Frequency Stability vs. Volts Limit: $\pm 0.01\%$								
Volts	Frequency (MHz)							
	0 minute		2 minutes		5 minutes		10 minutes	
	Reading (MHz)	Drift (%)	Reading (MHz)	Drift (%)	Reading (MHz)	Drift (%)	Reading (MHz)	Drift (%)
138	13.55876	-0.00914	13.55986	-0.00103	13.55996	-0.00029	13.55986	-0.00103
120	13.56089	0.00656	13.56135	0.00996	13.55884	-0.00855	13.55891	-0.00804
102	13.56099	0.00730	13.56085	0.00627	13.55975	-0.00184	13.55901	-0.00730



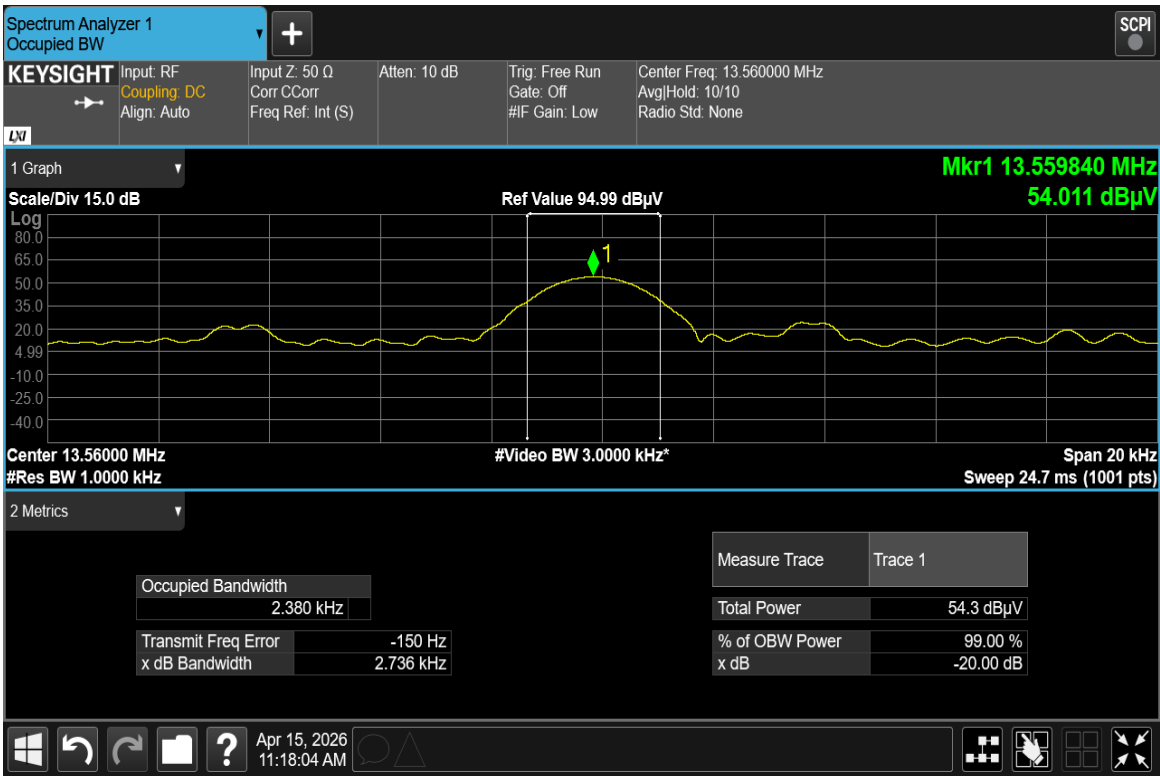
Appendix E. Emission Bandwidth

20dB Bandwidth

<NFC>

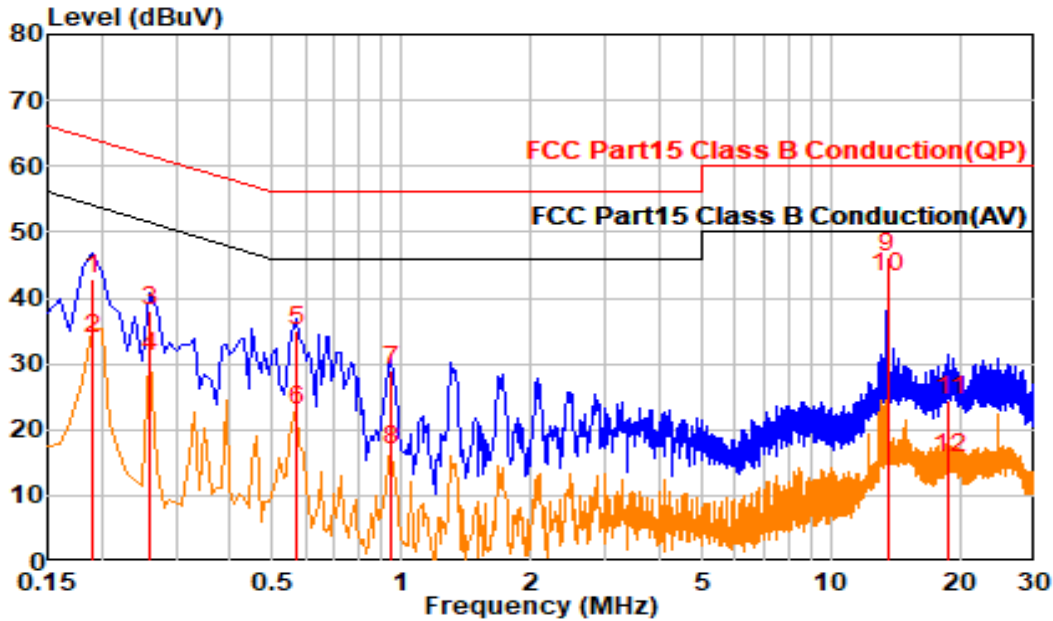
Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)
1	13.56	2.736

Lower & Upper Test Frequency Point (MHz)	Test Frequency (MHz)	Limit (MHz)
Lower	13.55863	13.11
Upper	13.56136	14.01



Appendix F. AC Power Line Conducted Emission

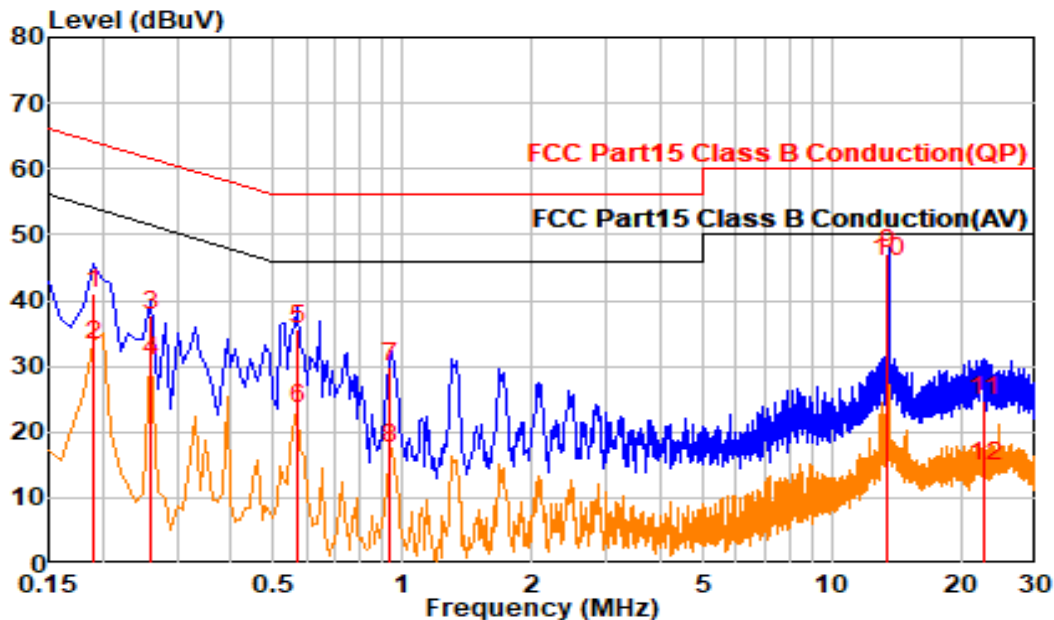
Report No.	:6128626016701	Test Date	:2026-04-13
Operation Band	:NFC	Temp/Humi	:22.9C/55%
Mode	:Tx	Test Engineer	:Sam Huang
Power	:120V/60Hz	Test Site	:Shielded Room A
Condition	:Line	Note	:



Trace: 1

Freq MHz	Read LV. dBuV	Factor dB	Cable Loss dB	LISN Factor dB	Emission LV dBuV	Limit dBuV	Margin dB	Detect QP/AV
0.190	33.08	9.64	0.01	9.63	42.72	64.04	-21.32	QP
0.190	24.32	9.64	0.01	9.63	33.96	54.04	-20.08	Average
0.260	28.28	9.64	0.01	9.63	37.92	61.44	-23.51	QP
0.260	21.43	9.64	0.01	9.63	31.07	51.44	-20.37	Average
0.570	25.38	9.64	0.01	9.63	35.02	56.00	-20.98	QP
0.570	13.35	9.64	0.01	9.63	22.99	46.00	-23.01	Average
0.940	19.38	9.65	0.02	9.63	29.03	56.00	-26.97	QP
0.940	7.15	9.65	0.02	9.63	16.80	46.00	-29.20	Average
13.561	36.34	9.71	0.06	9.65	46.05	60.00	-13.95	QP
13.561	33.51	9.71	0.06	9.65	43.22	50.00	-6.78	Average
18.903	14.64	9.68	0.07	9.62	24.32	60.00	-35.68	QP
18.903	5.95	9.68	0.07	9.62	15.64	50.00	-34.36	Average

Report No.	:6128626016701	Test Date	:2026-04-13
Operation Band	:NFC	Temp/Humi	:22.9C/55%
Mode	:Tx	Test Engineer	:Sam Huang
Power	:120V/60Hz	Test Site	:Shielded Room A
Condition	:Neutral	Note	:



Trace: 1

Freq MHz	Read LV. dBuV	Factor dB	Cable Loss dB	LISN Factor dB	Emission LV dBuV	Limit dBuV	Margin dB	Detect QP/AV
0.190	31.46	9.64	0.01	9.63	41.10	64.03	-22.93	QP
0.190	23.52	9.64	0.01	9.63	33.16	54.03	-20.87	Average
0.260	28.17	9.64	0.01	9.63	37.81	61.44	-23.63	QP
0.260	21.09	9.64	0.01	9.63	30.73	51.44	-20.71	Average
0.569	26.05	9.64	0.01	9.63	35.69	56.00	-20.31	QP
0.569	13.87	9.64	0.01	9.63	23.52	46.00	-22.48	Average
0.940	20.35	9.65	0.02	9.63	30.00	56.00	-26.00	QP
0.940	7.83	9.65	0.02	9.63	17.48	46.00	-28.52	Average
13.559	37.24	9.74	0.06	9.69	46.98	60.00	-13.02	QP
13.559	36.27	9.74	0.06	9.69	46.01	50.00	-3.99	Average
22.610	15.01	9.74	0.08	9.66	24.75	60.00	-35.25	QP
22.610	5.20	9.74	0.08	9.66	14.94	50.00	-35.06	Average

Appendix G. Photographs of the Test Set-Up

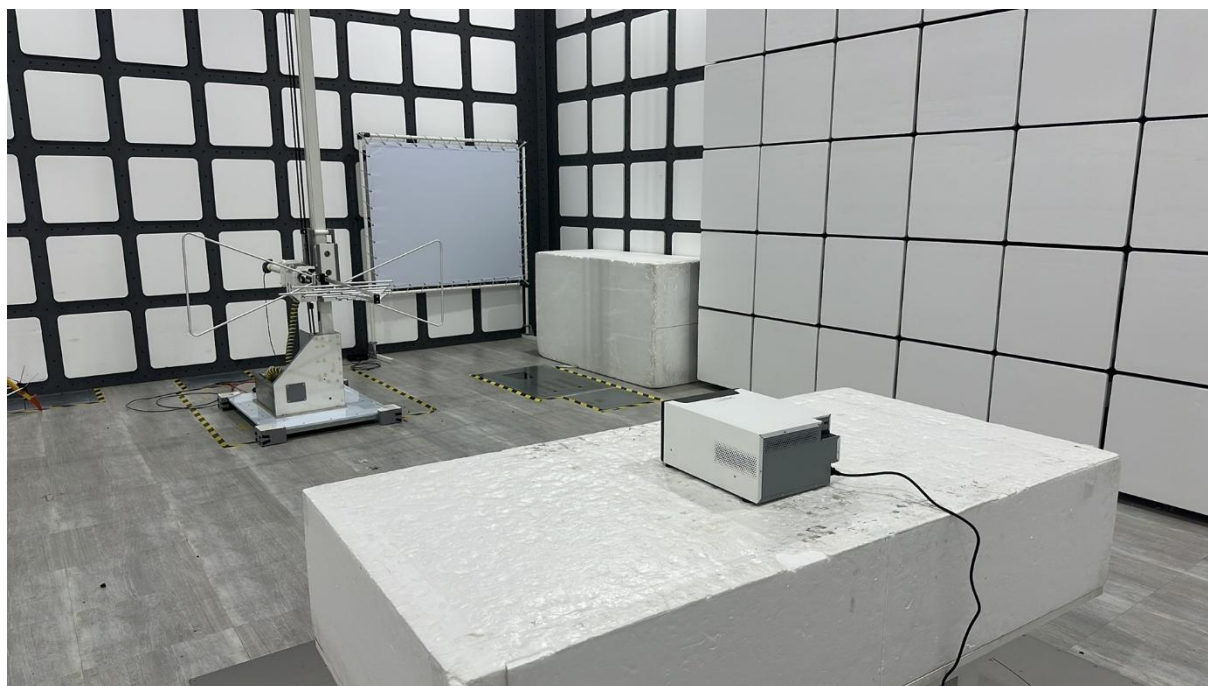
Set-up for Spurious Emissions (Front View)

Front View



Set-up for Spurious Emissions (Back View)

Back View



Set-up for Spurious Emissions (Back View)
Back View



Set-up for System (Front View)
Front View



Set-up for System (Back View)
Back View



Set-up for AC mains Emissions (Front View)
Front View



Set-up for AC mains Emissions (Side View)
Side View

