



TEST REPORT

Report Number	: TZ0059241101FRF17
Product Name	: Smart Label Printer
Model/Type reference	: NIIMBOT M3
FCC ID	: 2ARXB-M3A
Prepared for	: Wuhan Jingchen Intelligent Identification Technology Co., Ltd. No. 5, Creative Workshop, Creative World, Yezhihu West Road, Hongshan District, Wuhan, China

Prepared By	: Shenzhen Tongzhou Testing Co.,Ltd. 1st Floor, Building 1, Haomai High-tech Park, Huating Road 387, Dalang Street, Longhua, Shenzhen, China
Standards	: FCC CFR Title 47 Part 15 Subpart C, ANSI C63.10: 2013
Date of Test	: Feb. 20, 2025~Mar. 31, 2025
Date of Issue	: Mar. 31, 2025
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Report No.: TZ0059241101FRF17

**** Report Revise Record ****

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Mar. 31, 2025	Valid	Initial release



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1. GENERAL INFORMATION

1.1. Client Information

Applicant	: Wuhan Jingchen Intelligent Identification Technology Co., Ltd.
Address	: No. 5, Creative Workshop, Creative World, Yezhihu West Road, Hongshan District, Wuhan, China
Manufacturer	: Wuhan Jingchen Intelligent Identification Technology Co., Ltd.
Address	: No. 5, Creative Workshop, Creative World, Yezhihu West Road, Hongshan District, Wuhan, China

1.2. Description of Device (EUT)

Product Name	: Smart Label Printer
Trade Mark	: NIIMBOT
Model Number	: NIIMBOT M3
Model Declaration	: N/A
Test Model	: NIIMBOT M3
Power Supply	: DC 11.1V by battery or DC 5V by adapter
Hardware version	: 1.01
Software version	: 1.06

1.3. Wireless Function Tested in this Report

NFC	
Operation Frequency	: 13.110~14.010 MHz
Test Frequency	: 13.56MHz
Modulation Technology	: ASK
Antenna Type and Gain	: Coil Antenna with 0dBi Gain

Note 1: Antenna position refer to EUT Photos.

Note 2: the above information was supplied by the applicant.



1.4. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

● supplied by the manufacturer

○ supplied by the lab

<input type="radio"/>	Adapter	Model:	MDY-10-EH
		Input:	100-240V\AC 50/60Hz 0.7A
		Output:	5V-3A, 9V-3A, 12V-2.25A, 20V-1.35A

1.5. Description of Test Facility

FCC

Designation Number: CN1275

Test Firm Registration Number: 167722

Shenzhen Tongzhou Testing Co.,Ltd has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA

Certificate Number: 5463.01

Shenzhen Tongzhou Testing Co.,Ltd has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

IC

ISED#: 22033

CAB identifier: CN0099

Shenzhen Tongzhou Testing Co.,Ltd has been listed by Innovation, Science and Economic Development Canada to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4 and CISPR 16-1-4:2010



1.6. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the Shenzhen Tongzhou Testing Co.,Ltd’s quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.7. Measurement Uncertainty

Test Item		Uncertainty	Note
Radiation Uncertainty(9KHz~30MHz)	:	±3.26dB	(1)
Radiation Uncertainty(30MHz~1000MHz)	:	±3.92dB	(1)
Conduction Uncertainty	:	±2.71dB	(1)
Occupied Channel Bandwidth	:	±3.0%	(1)
Radio Frequency	:	±1x10 ⁻⁸	(1)

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

1.8. Description of Test Modes

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in X position.

Test Modes:		
Mode 1	NFC Transmitting mode	Record



2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen Tongzhou Testing Co.,Ltd

2.1. EUT Configuration

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

2.2. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section 15.203, 15.205, 15.207, 15.209, 15.225 under the FCC Rules Part 15 Subpart C.

2.3. Test Sample

Sample ID	Description
TZ0059241101-1#	Normal sample



3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in a continuous transmits condition.

3.2. Special Accessories

No.	Equipment	Manufacturer	Model No.	Serial No.	Length	shielded/unshielded	Notes
/	/	/	/	/	/	/	/

3.3. Block Diagram/Schematics

Please refer to the related document

3.4. Equipment Modifications

Shenzhen Tongzhou Testing Co.,Ltd has not done any modification on the EUT.

3.5. Configuration of Tested System

Please refer to the test setup photo.



4. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Sample ID	Result
§15.215	Occupied Bandwidth	TZ0059241101-1#	Compliant
§15.225(e)	Frequency Stability	TZ0059241101-1#	Compliant
§15.225(a)(b)(c)	Field Strength of Fundamental	TZ0059241101-1#	Compliant
§15.209	Radiated Emissions	TZ0059241101-1#	Compliant
§15.207(a)	Conducted Emissions	TZ0059241101-1#	Compliant
§15.203	Antenna Requirements	TZ0059241101-1#	Compliant

Remark: The measurement uncertainty is not included in the test result.

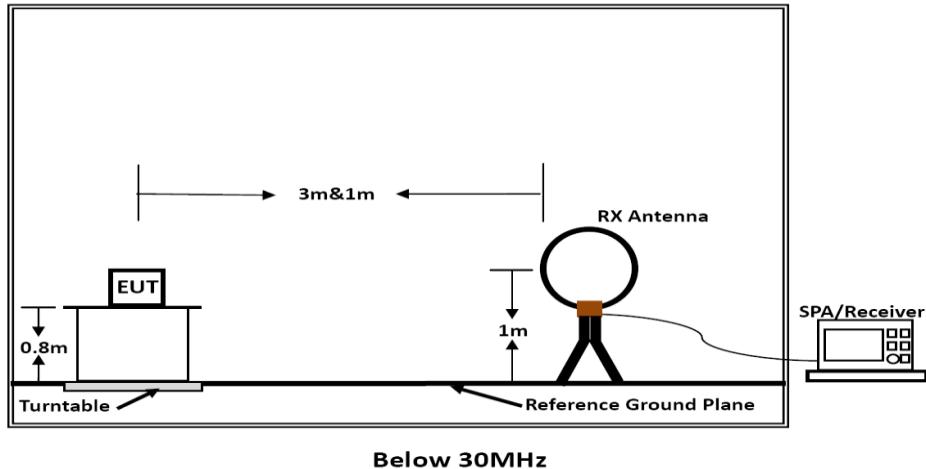
5. TEST RESULT

5.1. Bandwidth Measurement

5.1.1. Standard Applicable

CFR 47 Part 15.215(c).

5.1.2. Block Diagram of Test Setup



5.1.3. Test Procedures

Set the parameters of SPA as below:

1. Centre frequency = Operation Frequency
2. The resolution bandwidth of 3kHz and the video bandwidth of 10kHz were used.
3. Span: 30kHz, Sweep time: Auto
4. Set the EUT to continue transmitting mode. Allow the trace to stabilize. Use the "N dB down" function of SPA to define the bandwidth.
5. Measured the spectrum width with power higher than 20dB below carrier.
6. Record the plots and reported.

5.1.4. EUT Operation during Test

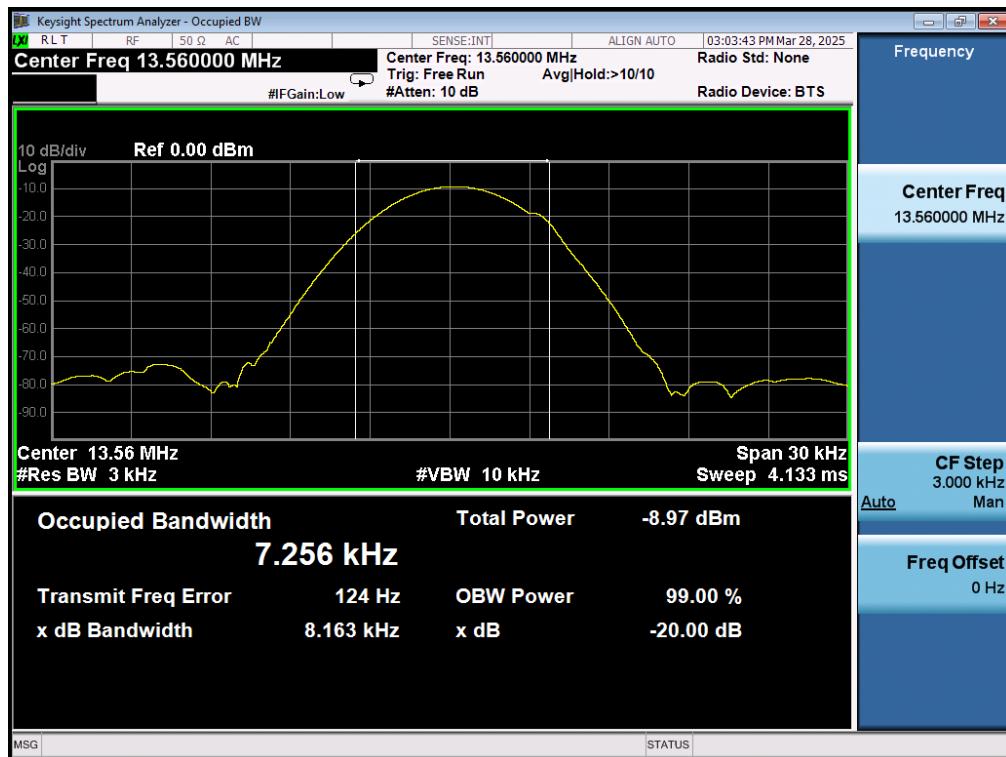
The EUT was programmed to be in continuously transmitting mode.



5.1.5. Test Result

Temperature	24.2°C	Humidity	63%
Test Engineer	Tony Luo	Configurations	Mode 1

Freq (MHz)	20dB Bandwidth (kHz)	Limit (kHz)	Conclusion
13.56	8.163	/	PASS





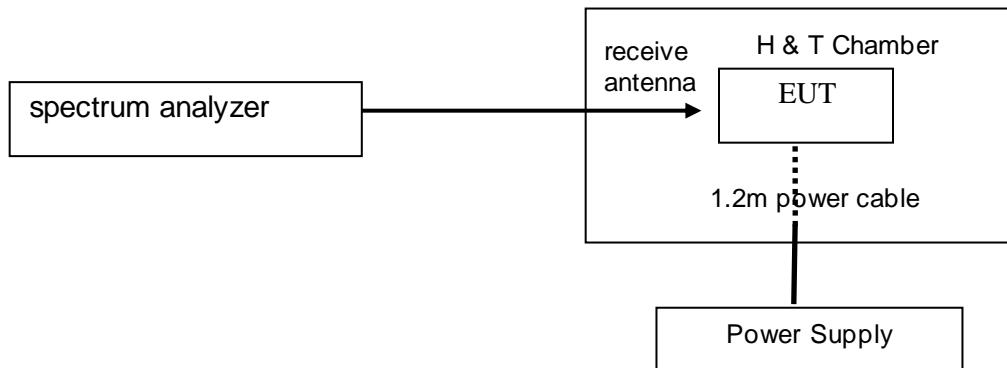
5.2. Frequency Stability Measurement

5.2.1. Standard Applicable

CFR 47 Part 15.225(e):

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

5.2.2. Block Diagram of Test Setup



5.2.3. Test Procedures

Set the parameters of SPA as below:

1. The spectrum analyzer connected via a receive antenna placed near the EUT.
2. Set the spectrum analyzer span to view the entire emissions bandwidth.
3. Set RBW = 1 kHz, VBW = 3 kHz with peak detector and max hold settings.
4. The fc is declaring of channel frequency. Then the frequency error formula is $(fc-f)/fc \times 10^6$ ppm and the limit is less than ± 100 ppm.
5. Extreme temperature rule is $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$.

5.2.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.



5.2.5. Test Result

Temperature	24.2°C	Humidity	63%
Test Engineer	Tony Luo	Configurations	Mode 1

Test Channel (MHz)	Measurement Conditions		Measure Frequency (MHz)	Measurement Result (ppm)	Limits (ppm)	Conclusion
	Voltage (V)	Temperature (°C)				
13.56	5.0	-20	13.5605	36.87	±100	Pass
		-10	13.5604	29.50	±100	Pass
		0	13.5603	22.12	±100	Pass
		10	13.5605	36.87	±100	Pass
		25	13.5604	29.50	±100	Pass
		30	13.5605	36.87	±100	Pass
		40	13.5603	22.12	±100	Pass
		50	13.5603	22.12	±100	Pass
	5.0	25	13.5603	22.12	±100	Pass
	4.25	25	13.5605	36.87	±100	Pass
	5.75	25	13.5603	22.12	±100	Pass



5.3. Field Strength of Fundamental

5.3.1. Standard Applicable

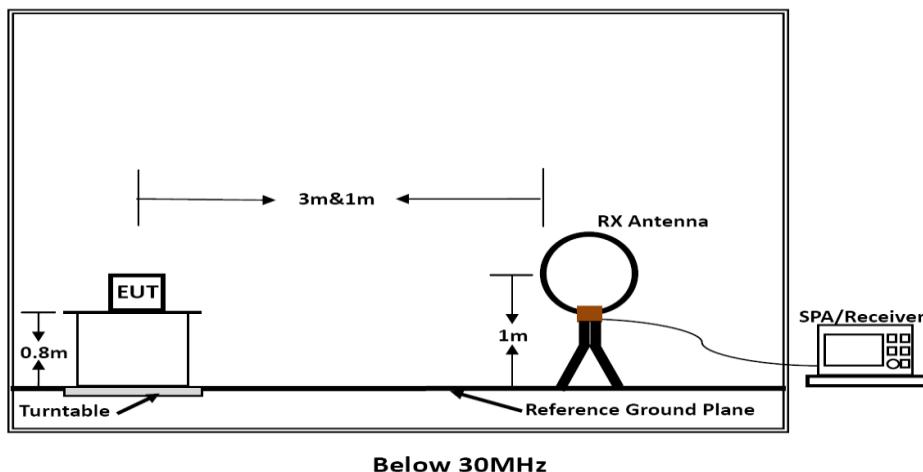
CFR 47 Part 15.225.

(a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.

(b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

(c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

5.3.2. Block Diagram of Test Setup



5.3.3. Test Procedures

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions.

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna height is 1.0 meter.

--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

--- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

Measuring Instruments and Setting

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG

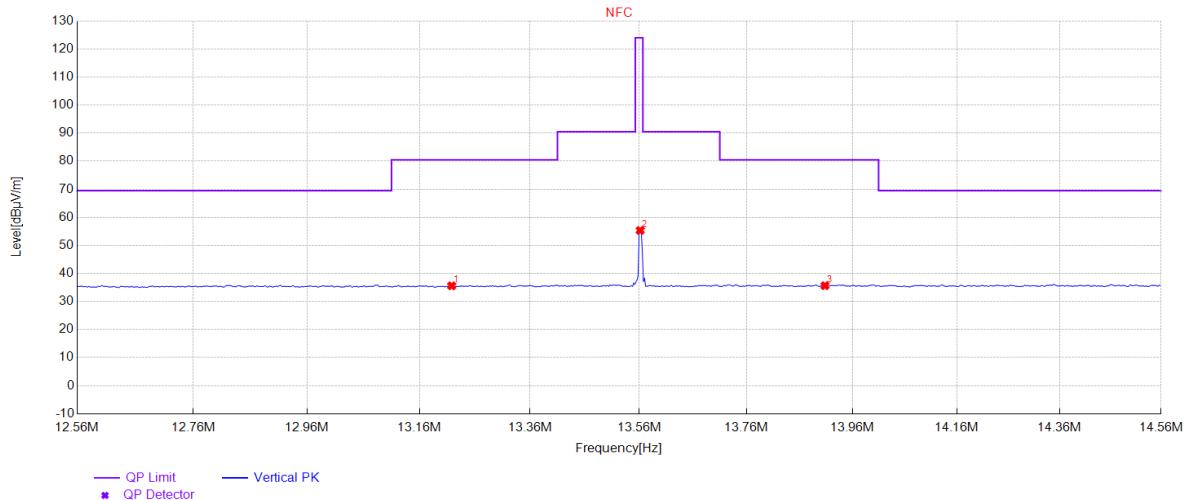


5.3.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.3.5. Test Result

Temperature	24.2°C	Humidity	63%
Test Engineer	Tony Luo	Configurations	Mode 1



Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	13.218	35.58	11.20	80.50	44.92	100	40	Coaxial
2	13.560	55.33	11.25	124.00	68.67	100	340	Coaxial
3	13.908	35.63	11.30	80.50	44.87	100	320	Coaxial

Note:

Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).

Limit line = specific limits (dB μ V) + distance extrapolation factor.

Measured at antenna position coaxial and coplanar, only record the Coaxial.



5.4. Radiated Emissions Measurement

5.4.1. Standard Applicable

The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in §15.209., then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

5.4.2. Measuring Instruments and Setting

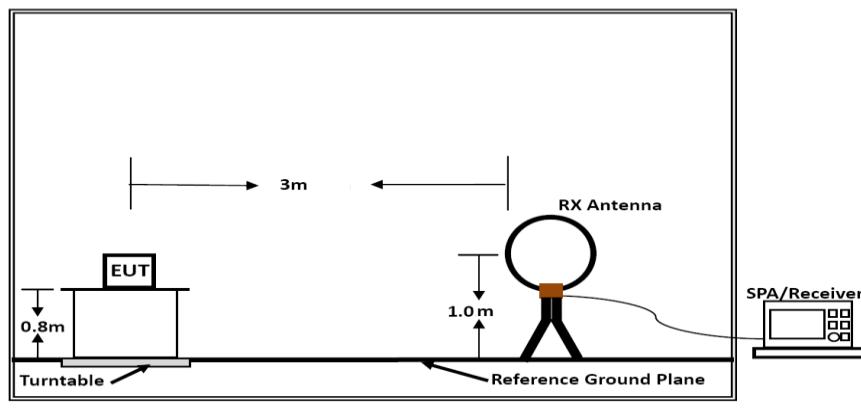
The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10 th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 3 MHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 3 MHz for Average

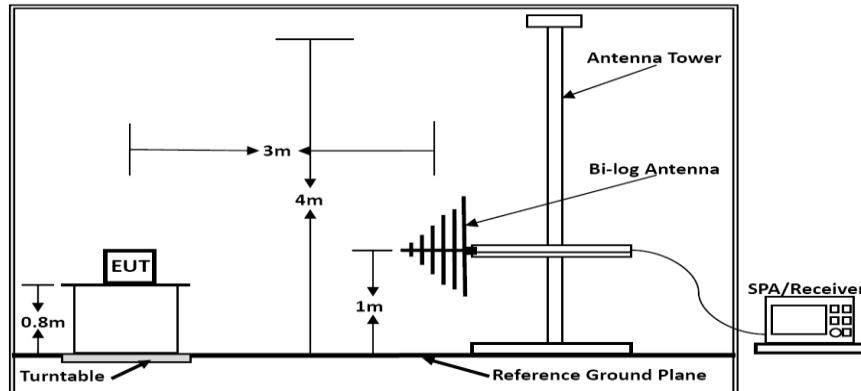
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB/VB 120kHz/1MHz for QP

5.4.3. Block Diagram of Test Setup

For radiated emissions below 30MHz



Below 30MHz



Below 1GHz



5.4.4. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
- If the EUT is a floor standing device, it is placed on the ground.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions.
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna height is 1.0 meter.
- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).
- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.
- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna is polarized vertical and horizontal.
- The antenna height changes from 1 to 3 meter.
- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

- The final measurement will be performed with minimum the six highest peaks.
- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ($\pm 45^\circ$) and antenna movement between 1 and 4 meter.
- The final measurement will be done with QP detector with an EMI receiver.
- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.



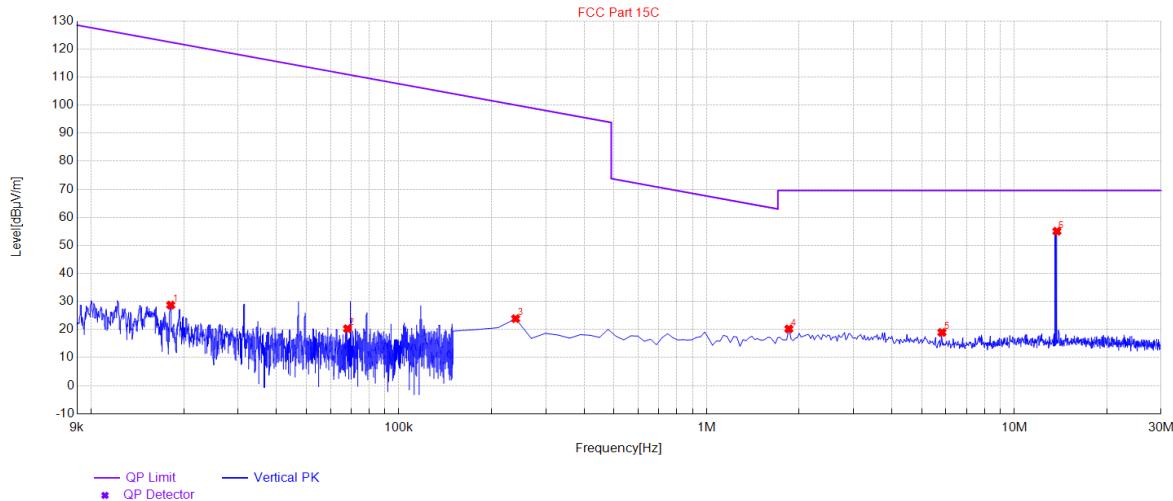
5.4.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.4.6. Test Results

Results of Radiated Emissions (9kHz-30MHz)

Temperature	24.2 °C	Humidity	63%
Test Engineer	Tony Luo	Configurations	Mode 1



Suspected Data List								
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	0.01813	28.72	33.15	122.42	93.70	100	200	Coaxial
2	0.068079	20.29	26.86	110.93	90.64	100	90	Coaxial
3	0.23955	23.87	26.69	100.01	76.14	100	100	Coaxial
4	1.85145	20.23	25.83	69.54	49.31	100	180	Coaxial
5	5.8215	18.96	23.22	69.54	50.58	100	200	Coaxial
6	13.5600	55.03	24.72	69.54	14.51	100	320	Coaxial

Note:

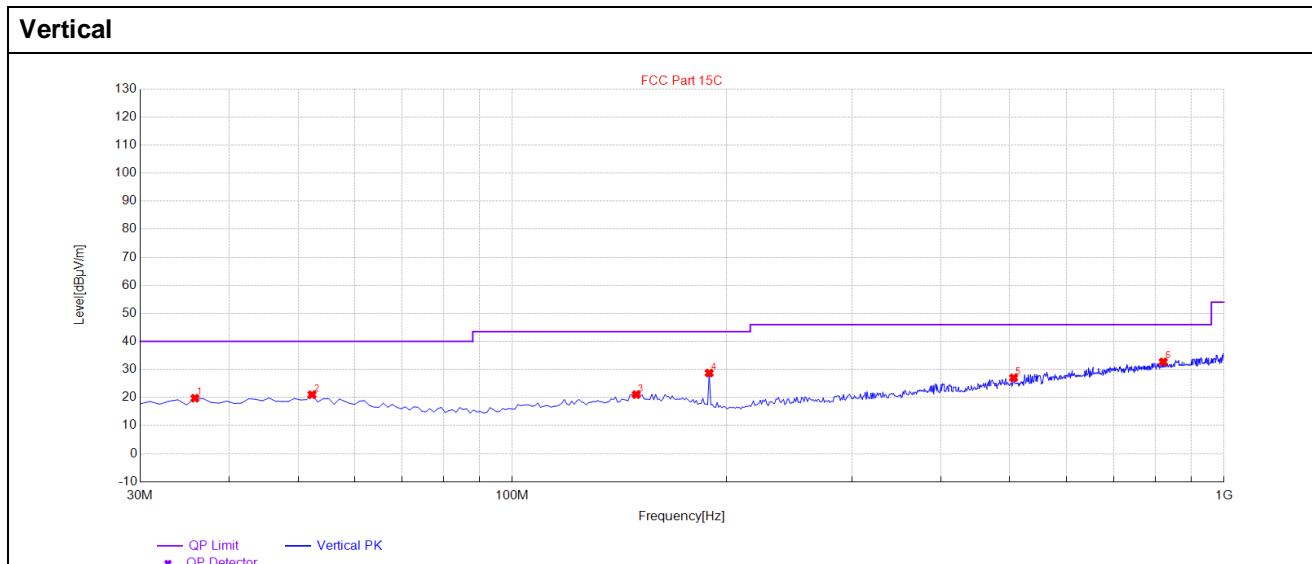
Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).

Limit line = specific limits (dB μ V) + distance extrapolation factor.

Measured at antenna position coaxial and coplanar, only record the Coaxial.

**Results of Radiated Emissions (30MHz~1GHz)**

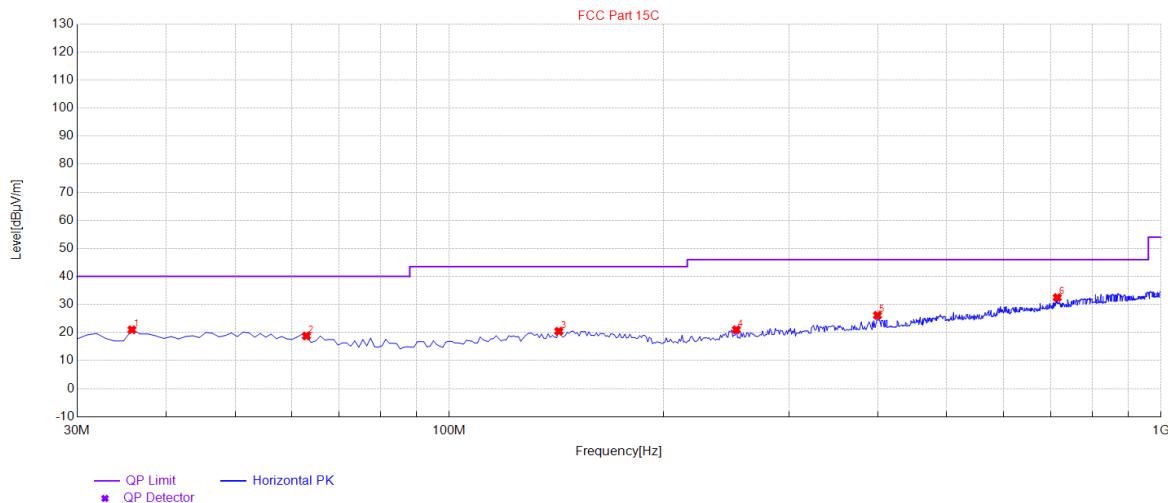
Temperature	24.2 °C	Humidity	63%
Test Engineer	Tony Luo	Configurations	Mode 1



Suspected Data List								
NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.82	19.77	13.91	40.00	20.23	100	240	Vertical
2	52.31	21.00	14.97	40.00	19.00	100	60	Vertical
3	149.31	21.04	16.03	43.50	22.46	100	350	Vertical
4	189.08	28.73	14.03	43.50	14.77	100	20	Vertical
5	506.27	27.02	22.07	46.00	18.98	100	90	Vertical
6	821.52	32.71	27.93	46.00	13.29	100	140	Vertical

*****Note:**

1. Level [dB μ V/m] = Reading [dB μ V] + Factor [dB/m]
2. Margin [dB] = Limit [dB μ V/m] - Level [dB μ V/m]

**Horizontal****Suspected Data List**

NO.	Freq. [MHz]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.82	20.98	13.91	40.00	19.02	100	20	Horizontal
2	62.98	18.77	13.44	40.00	21.23	100	200	Horizontal
3	142.52	20.45	15.47	43.50	23.05	100	160	Horizontal
4	253.1	21.01	15.37	46.00	24.99	100	70	Horizontal
5	399.57	26.13	19.61	46.00	19.87	100	40	Horizontal
6	714.82	32.47	26.31	46.00	13.53	100	190	Horizontal

***Note:

1. Level [dB μ V/m] = Reading [dB μ V] + Factor [dB/m]
2. Margin [dB] = Limit [dB μ V/m] - Level [dB μ V/m]



5.5. AC Power line conducted emissions

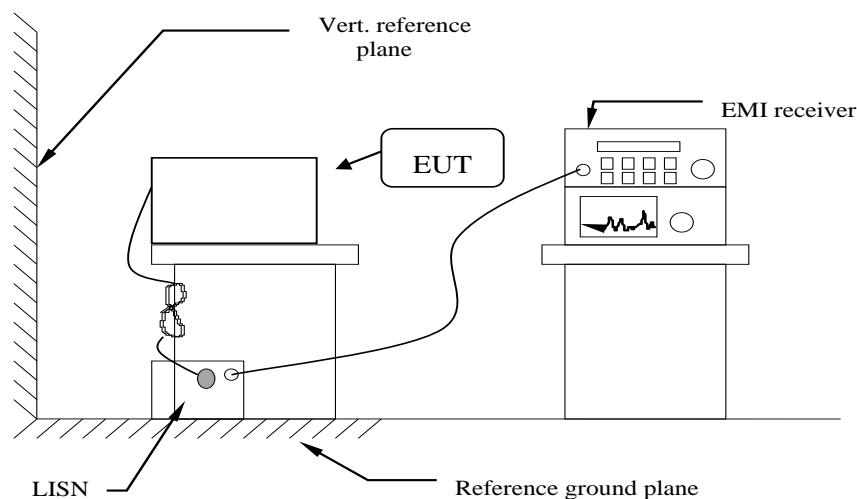
5.5.1. Standard Applicable

According to §15.207 (a): For an intentional radiator which 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 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

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

* Decreasing linearly with the logarithm of the frequency

5.5.2. Block Diagram of Test Setup



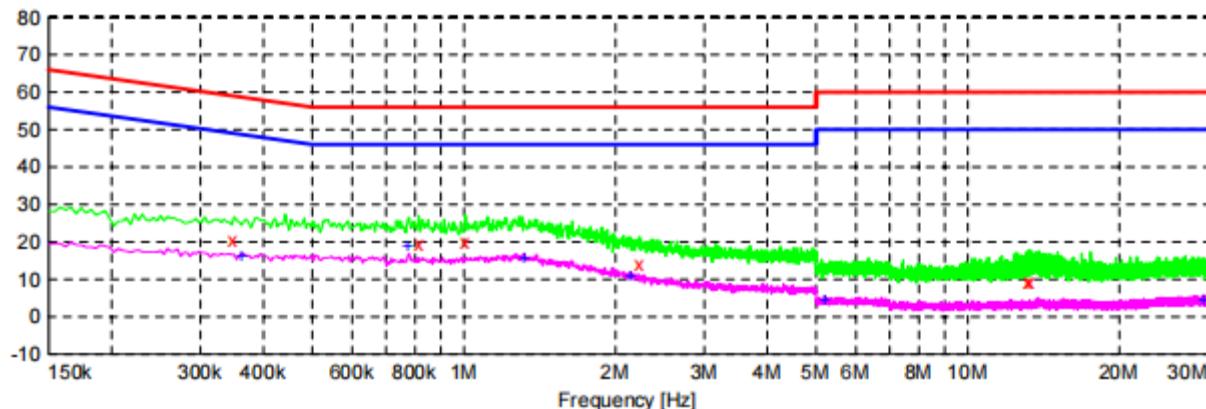
Note: the distance between LISN and Vertical reference plane is 40 cm and the distance between LISN and EUT is 80 cm.

5.5.3. Test Results

Temperature		Humidity	63%
Test Engineer	Tony Luo	Configurations	NFC TX



Neutral Line

Level [dB μ V]

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.350000	20.50	6.1	59	38.5	QP	N	GND
0.814000	19.60	6.2	56	36.4	QP	N	GND
1.006000	20.20	6.2	56	35.8	QP	N	GND
2.230000	14.30	6.3	56	41.7	QP	N	GND
13.234000	9.00	6.8	60	51.0	QP	N	GND
13.318000	9.30	6.8	60	50.7	QP	N	GND

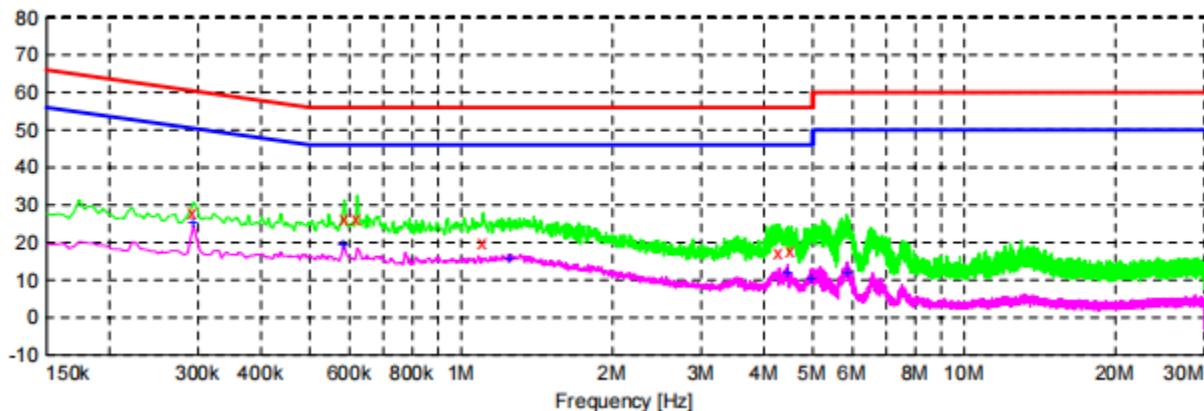
Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.362000	16.30	6.1	49	32.4	AV	N	GND
0.778000	19.10	6.2	46	26.9	AV	N	GND
1.318000	15.80	6.2	46	30.2	AV	N	GND
2.138000	10.90	6.2	46	35.1	AV	N	GND
5.210000	4.20	6.4	50	45.8	AV	N	GND
29.366000	4.20	8.3	50	45.8	AV	N	GND

Note:

1. Margin(dB)= Limit(dB μ V) - Level(dB μ V)
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: 9 kHz (150 kHz—30 MHz), Step size: 4 kHz, Scan time: auto.



Live Line

Level [dB μ V]

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.294000	27.90	6.1	60	32.5	QP	L1	GND
0.586000	26.60	6.2	56	29.4	QP	L1	GND
0.622000	26.20	6.2	56	29.8	QP	L1	GND
1.106000	20.20	6.2	56	35.8	QP	L1	GND
4.282000	17.50	6.3	56	38.5	QP	L1	GND
4.530000	17.70	6.3	56	38.3	QP	L1	GND

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.294000	25.10	6.1	50	25.3	AV	L1	GND
0.586000	19.50	6.2	46	26.5	AV	L1	GND
1.246000	15.70	6.2	46	30.3	AV	L1	GND
4.458000	11.90	6.3	46	34.1	AV	L1	GND
4.966000	10.40	6.3	46	35.6	AV	L1	GND
5.854000	11.70	6.4	50	38.3	AV	L1	GND

Note:

1. Margin(dB)= Limit(dB μ V) - Level(dB μ V)
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: 9 kHz (150 kHz—30 MHz), Step size: 4 kHz, Scan time: auto.



5.6. Antenna Requirements

5.6.1. Standard Applicable

According to antenna requirement of §15.203.

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 re-placed 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 Sections 15.211, 15.213, 15.217, 15.219, or 15.221. 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 Section 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.

5.6.2. Antenna Connected Construction

The antenna is an Internal antenna connect to PCB board and no consideration of replacement. Please see EUT photo for details.

5.6.3. Results

Compliance



6. LIST OF MEASURING EQUIPMENTS

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Due Date
1	Loop Antenna	schwarzbeck	FMZB1519 B	00023	2022-11-13	2025-11-12
2	Wideband Antenna	schwarzbeck	VULB 9163	958	2022-11-13	2025-11-12
3	EMI Test Receiver	R&S	ESCI	100849/003	2024-12-31	2025-12-30
4	Controller	MF	MF7802	N/A	N/A	N/A
5	Amplifier	schwarzbeck	BBV 9743	209	2024-12-31	2025-12-30
6	Amplifier	Tonscend	TSAMP-05 18SE	--	2024-12-31	2025-12-30
7	RF Cable(below 1GHz)	HUBER+SUHN ER	RG214	N/A	2024-12-31	2025-12-30
8	Artificial Mains	ROHDE & SCHWARZ	ENV 216	101333-IP	2024-12-31	2025-12-30

Test software used:

Item	Test Software	Manufacturer	Name	Version
1	EMI Test Software	ROHDE & SCHWARZ	ES-K1	V1.71
2	RE test software	Tonscend	JS32-RE	V5.0.0.0



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7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF EUT

Please refer to separated files for Internal Photos of the EUT.

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