



# FCC Radio Test Report

## FCC ID: XDQG25-01

This report concerns: Original Grant

**Project No.** : 2403G125  
**Equipment** : POS Terminal  
**Brand Name** : NEXGO  
**Test Model** : G25  
**Series Model** : N/A  
**Applicant** : Shenzhen Xinguodu Technology Co., Ltd.  
**Address** : 17B JinSong Mansion, Terra Industrial & Trade Park Chegongmiao, Futian District, Shenzhen, China  
**Manufacturer** : Shenzhen Xinguodu Technology Co., Ltd.  
**Address** : 17B JinSong Mansion, Terra Industrial & Trade Park Chegongmiao, Futian District, Shenzhen, China  
**Factory** : Shenzhen Xinguodu Technology Co., Ltd. Manufacture Branch  
**Address** : Building C, Dagang Industrial Park, Changzhen Community, Gongming Office, Guangming New District, Shenzhen, Guangdong, China.  
**Date of Receipt** : Mar. 25, 2024  
**Date of Test** : Mar. 25, 2024 ~ Apr. 09, 2024  
**Issued Date** : Apr. 24, 2024  
**Report Version** : R01  
**Test Sample** : Engineering Sample No.: SSL2024032566 for radiated, SSL2024032563 for conducted.  
**Standard(s)** : FCC CFR Title 47, Part 15, Subpart C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

Prepared by :

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**Declaration**

**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

**BTL's** reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by **BTL**.

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**BTL's** laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

**BTL** is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

**Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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**REPORT ISSUED HISTORY**

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-5-2403G125	R00	Original Report.	Apr. 19, 2024	Invalid
BTL-FCCP-5-2403G125	R01	Removed the EUT test photo.	Apr. 24, 2024	Valid

### 1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of A2LA:

KDB 558074 D01 15.247 Meas Guidance v05r02

### 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart C				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.225(a)-(d) 15.205(a) 15.209(a)	Radiated Emission	APPENDIX B APPENDIX C	PASS	-----
15.225(e)	Frequency Tolerance	APPENDIX D	PASS	-----
15.215(c)	Bandwidth	APPENDIX E	PASS	-----
15.203	Antenna Requirement	-----	PASS	<b>Note(2)</b>

Note:

- (1) "N/A" denotes test is not applicable in this test report
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

## 2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Dalang, Dongguan City, Guangdong People's Republic of China.

BTL's Registration Number for FCC: 747969.

BTL's Designation Number for FCC: CN1377.

## 2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

### A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	$U_i$ (dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.88

### B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	$U_i$ (dB)
DG-CB01	CISPR	9kHz ~ 30MHz	2.36

Test Site	Method	Measurement Frequency Range	Ant. H / V	$U_i$ (dB)
DG-CB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.40
		30MHz ~ 200MHz	H	3.62
		200MHz ~ 1,000MHz	V	4.58
		200MHz ~ 1,000MHz	H	3.98

### C. Other Measurement test:

Test Item	Uncertainty
Frequency Tolerance	2.7 ppm
Temperature	0.8 °C
Humidity	2.2 %
Bandwidth	0.90 %

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

## 2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By	Test Date
AC Power Line Conducted Emissions	26°C	70%	AC 120V/60Hz	Hayden Chen	Apr. 01, 2024
Radiated Emissions -9kHz to 30MHz	24°C	54%	AC 120V/60Hz	Hayden Chen	Apr. 03, 2024
Radiated Emissions -30MHz to 1000MHz	25°C	48%	AC 120V/60Hz	Jensen Zhou	Apr. 04, 2024
Frequency Tolerance	Normal & Extreme	53%	Normal & Extreme	Steve Zhou	Apr. 04, 2024
Bandwidth	24°C	53%	DC 5V	Steve Zhou	Apr. 04, 2024

### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

Equipment	POS Terminal
Brand Name	NEXGO
Test Model	G25
Series Model	N/A
Model Difference(s)	N/A
Hardware Version	V1.0
Software Version	BF.00.16_231228
Power Source	1) DC Voltage supplied from AC adapter. 1# Brand / Model: RUIJING / RJ49-W050100US (US plug) 2# Brand / Model: RUIJING / RJ49-W050100EU (EU plug) 3# Brand / Model: HONOR / ADS-6MA-06 05050EPG (EU plug) 4# Brand / Model: HONOR / ADS-6MA-06 05050EPCU (US plug) 2) Supplied from battery. Model: G2-18650
Power Rating	1) 1# I/P: 100-240V~ 50/60Hz 250mA O/P: 5.0V --- 1000mA 2# I/P: 100-240V~ 50/60Hz 250mA O/P: 5.0V --- 1.0A 5.0W 3# I/P: 100-240V~ 50/60Hz Max. 0.3A O/P: 5.0V --- 1.0A 5.0W 4# I/P: 100-240V~ 50/60Hz Max. 0.3A O/P: 5V --- 1.0A 2) DC 3.6V, 2600mAh, 9.36Wh
Operation Frequency	13.56 MHz
Antenna Type	FPC Antenna

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- There are two kinds of configuration products: RF is the same and NFC/WIFI/2G/3/4G has only one module or module.  
 Configuration 1: LTE(Latin America)+WIFI + non-connection + professional scanning head + ESIM (ESMI-ESMI is the SIM card of the patch, the POS machine is a dual card, one of the card slots is affixed with ESIM, the other card slots is reserved for the ordinary SIM card) + single SIM.  
 Configuration 2: LTE(Latin America)+WIFI + non-connect (contactless IC card) + fingerprint + dual SIM.

3. Channel List:

Test Channel	Test Frequency (MHz)
01	13.56



### 3.2 DESCRIPTION OF TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX Mode_ 13.56MHz

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

<b>AC power line conducted emissions test</b>	
Final Test Mode	Description
Mode 1	TX Mode_ 13.56MHz

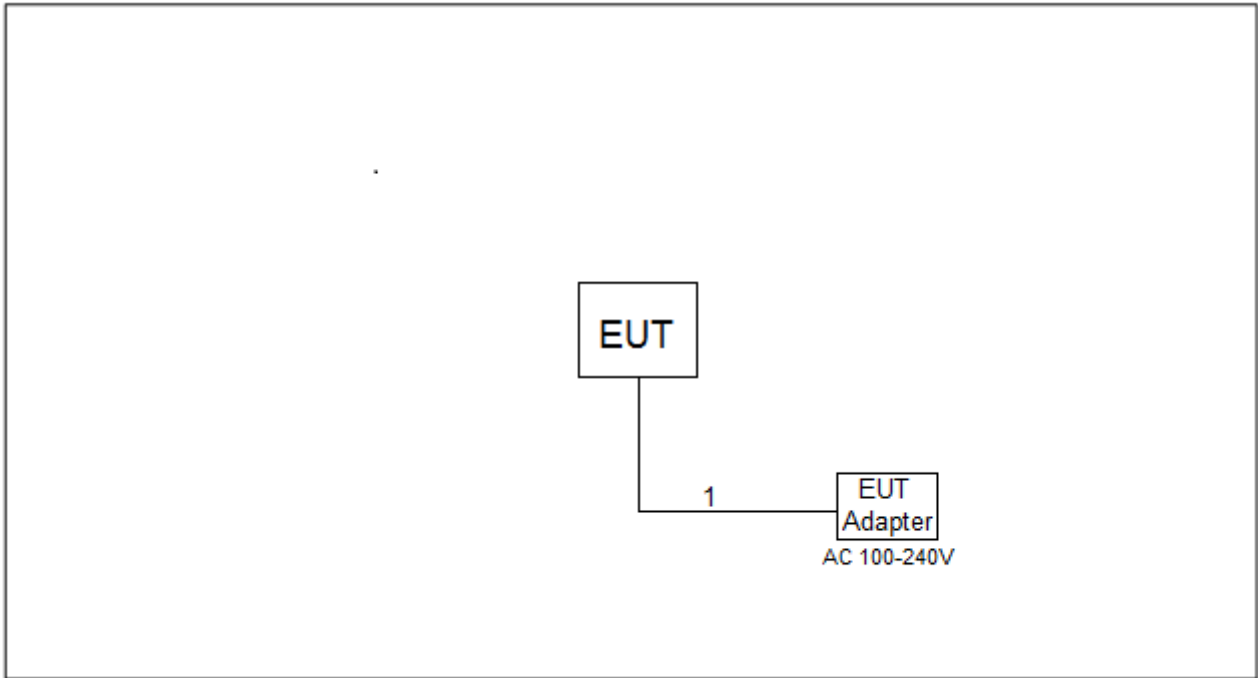
<b>Radiated emissions test - Below 1GHz</b>	
Final Test Mode	Description
Mode 1	TX Mode_ 13.56MHz

<b>Conducted test</b>	
Final Test Mode	Description
Mode 1	TX Mode_ 13.56MHz

**NOTE:**

- (1) Evaluated two kinds of configurations products, the worst case is Configuration 2 and recorded in this report.
- (2) For radiated spurious emissions test, all adapters had been pre-tested and in this report only recorded the worst case.

**3.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED**



**3.4 SUPPORT UNITS**

Item	Equipment	Brand	Model No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.2m

## 4. AC POWER LINE CONDUCTED EMISSIONS

### 4.1 LIMIT

Frequency of Emission (MHz)	Limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of "\*" marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

### 4.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item - EUT Test Photos.

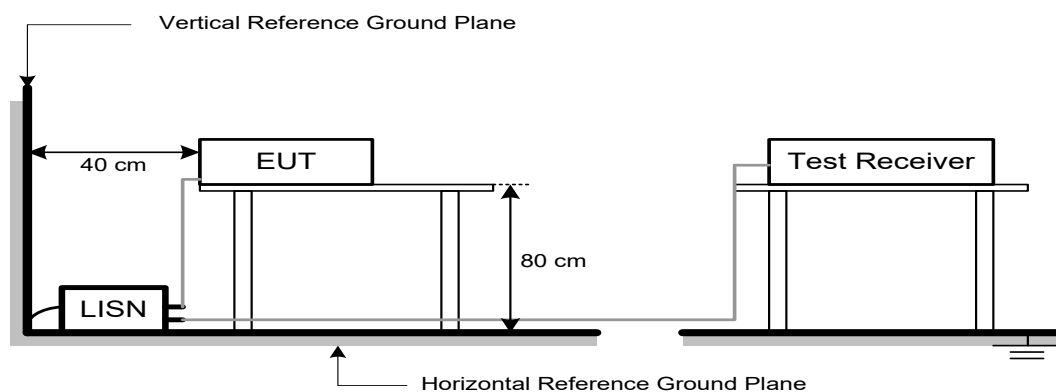
The following table is the setting of the receiver

Receiver Parameter	Setting
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

### 4.3 DEVIATION FROM TEST STANDARD

No deviation.

### 4.4 TEST SETUP



**4.5 EUT OPERATING CONDITIONS**

The EUT was configured for testing in a typical function (as a customer would normally use it), EUT was programmed to be in continuously transmitting data or hopping on mode.

**4.6 TEST RESULTS**

Please refer to the APPENDIX A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』 . If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform in this case, a "\*" marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150 kHz to 30 MHz.

## 5. RADIATED EMISSION

### 5.1 LIMIT

#### §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.

#### §15.225 (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.

#### §15.225 (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.

#### §15.225 (d)

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.

#### §15.209 (a)

Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

#### LIMITS OF RADIATED EMISSION MEASUREMENT (9 kHz-1000 MHz)

Frequency (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

#### Note:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

## 5.2 TEST PROCEDURE

The test set-up was made in accordance to the general provisions of ANSI C63.10-2013. The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration.

Sweep the whole frequency band through the range from 9 kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

During the test, below 30MHz, the center of the loop shall be 1 meters; above 30MHz, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.

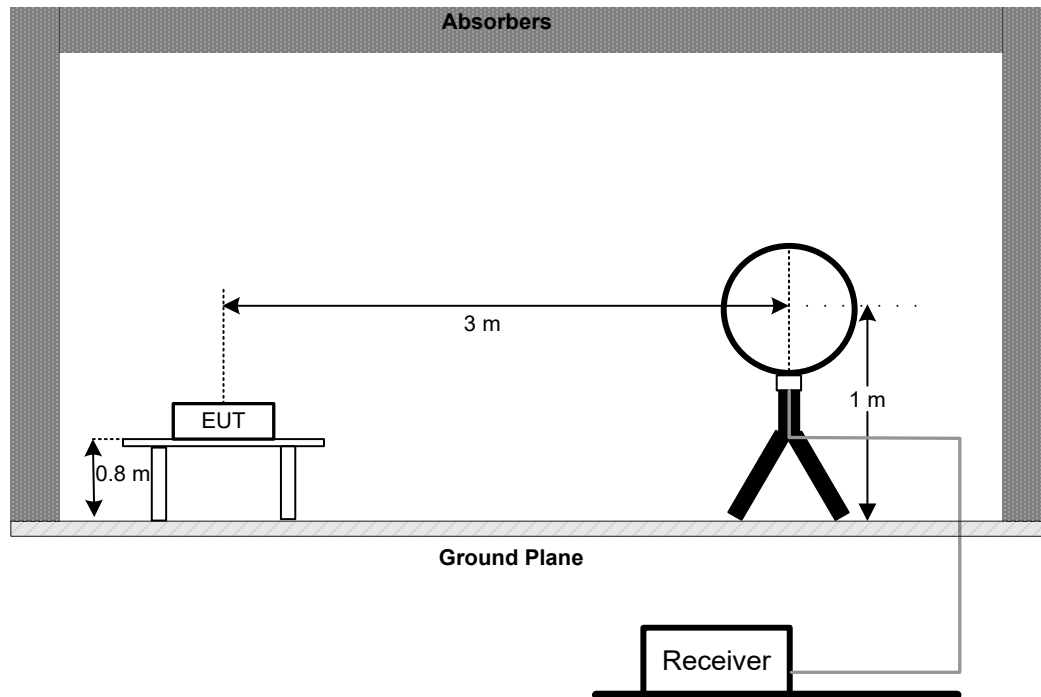
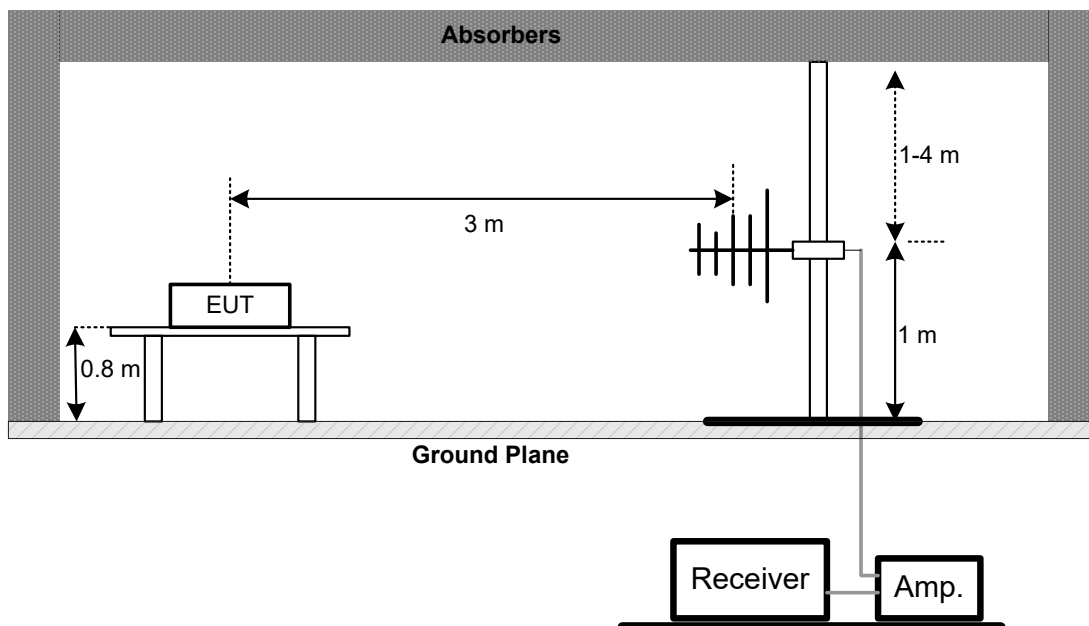
Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

## 5.3 DEVIATION FROM TEST STANDARD

No deviation.

**5.4 TEST SETUP****9 kHz to 30 MHz****30 MHz to 1000 MHz**

**5.5 EUT OPERATING CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

**5.6 TEST RESULTS - 9 kHz TO 30 MHz**

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor =  $40 \log(\text{specific distance} / \text{test distance})$  (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

**5.7 TEST RESULTS - 30 MHz TO 1000 MHz**

Please refer to the APPENDIX C.



## 6. FREQUENCY TOLERANCE

### 6.1 LIMIT

Section	Test Item	Limit
FCC 15.225(e)	Frequency Tolerance	±1.356 kHz

### 6.2 TEST PROCEDURE

- a. 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.
- b. Spectrum Setting:

Spectrum Parameter	Setting
Span Frequency	200 kHz
RBW	10 kHz
VBW	10 kHz
Detec□or	RMS
Trace	Max Hold
Sweep Time	Auto

### 6.3 DEVIATION FROM STANDARD

No deviation.

### 6.4 TEST SETUP



### 6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.5 unless otherwise a special operating condition is specified in the follows during the testing.

### 6.6 TEST RESULTS

Please refer to the APPENDIX D.

## 7. BANDWIDTH TEST

### 7.1 LIMIT

Section	Test Item	Limit
15.215(c)	20 dB Bandwidth	-

### 7.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting:

Spectrum Parameter	Setting
Span Frequency	100 kHz
RBW	10 kHz
VBW	30 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

### 7.3 DEVIATION FROM STANDARD

No deviation.

### 7.4 TEST SETUP



### 7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 7.6 TEST RESULTS

Please refer to the APPENDIX E.

## 8. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESR3	103027	Jun. 16, 2024
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 22, 2024
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M-001	9M	Nov. 27, 2024
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60	25	Mar. 30, 2025
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Dec. 22, 2024
3	Cable	N/A	RW2350-3.8A-NMB M-1.5M	N/A	Jun. 10, 2024
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	966 Chamber room	ETS	9*6*6	N/A	Jul. 11, 2024

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1462	Dec. 13, 2024
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 13, 2024
3	Preamplifier	EMC INSTRUMENT	EMC001330	980998	Nov. 17, 2024
4	Cable	RegalWay	LMR400-NMNM-12.5m	N/A	Jul. 04, 2024
5	Cable	RegalWay	LMR400-NMNM-3m	N/A	Jul. 04, 2024
6	Cable	RegalWay	LMR400-NMNM-0.5m	N/A	Jul. 04, 2024
7	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
8	Positioning Controller	MF	MF-7802	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	966 Chamber room	CM	9*6*6	N/A	May 17, 2024

Frequency Tolerance					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP38	100852	Jun. 16, 2024
2	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
3	Table top type high and low temperature test chamber	CEPREI	CEEC-M64T-40	15-008	Dec. 22, 2024

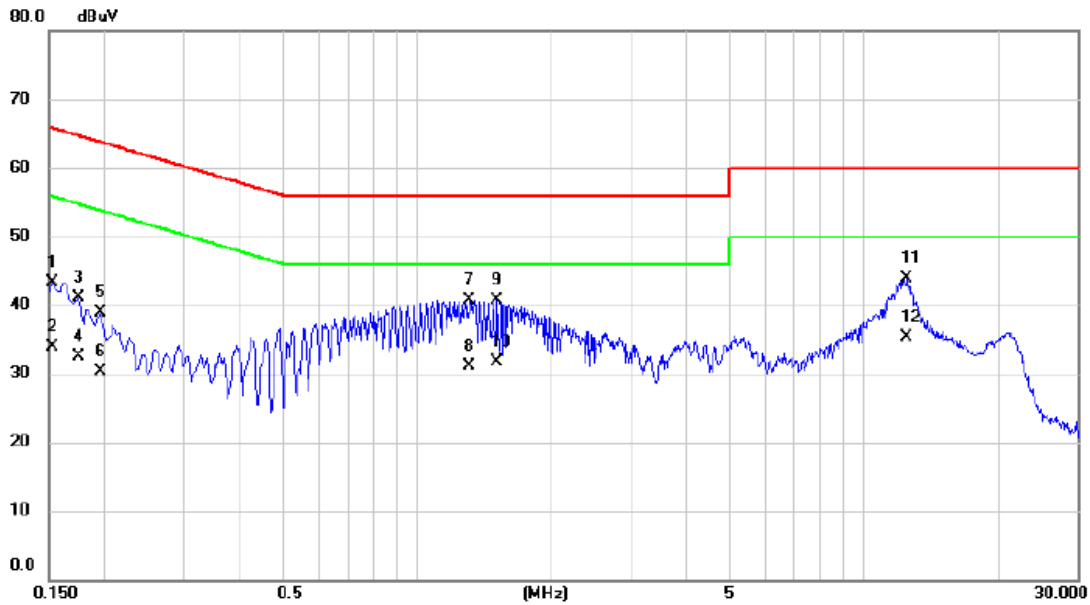
<b>Bandwidth</b>					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jun. 17, 2024
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jun. 17, 2024
3	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A

Remark "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

## **APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS**

Test Mode	TX Mode_ 13.56MHz	Phase	Line
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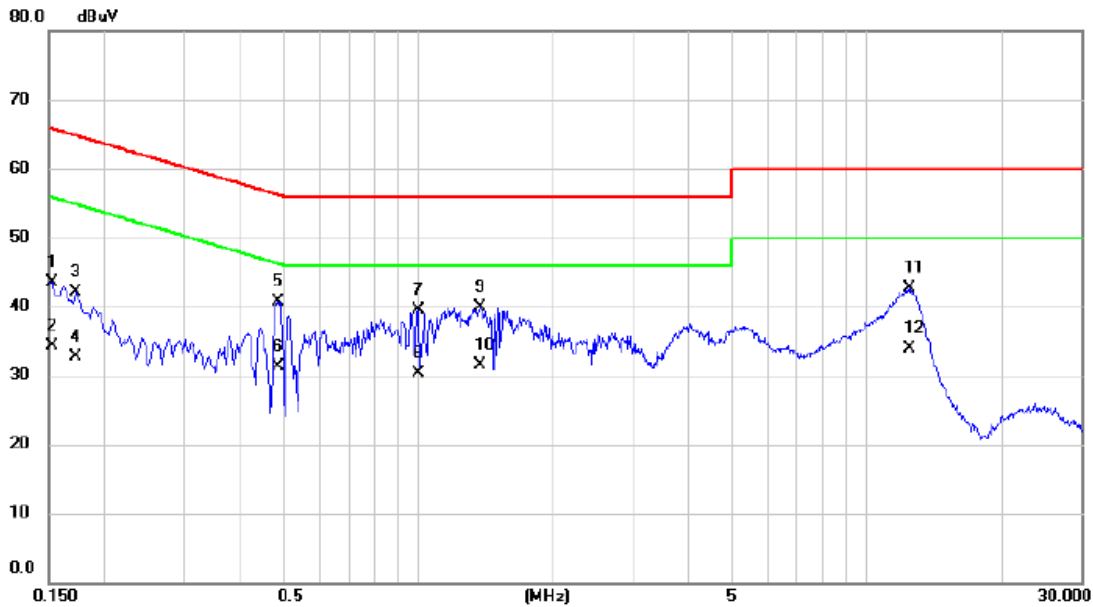


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1522	33.60	9.74	43.34	65.88	-22.54	QP	
2		0.1522	24.20	9.74	33.94	55.88	-21.94	AVG	
3		0.1748	31.44	9.74	41.18	64.73	-23.55	QP	
4		0.1748	22.70	9.74	32.44	54.73	-22.29	AVG	
5		0.1950	29.08	9.74	38.82	63.82	-25.00	QP	
6		0.1950	20.50	9.74	30.24	53.82	-23.58	AVG	
7		1.3110	30.86	9.83	40.69	56.00	-15.31	QP	
8		1.3110	21.30	9.83	31.13	46.00	-14.87	AVG	
9		1.5090	30.85	9.84	40.69	56.00	-15.31	QP	
10	*	1.5090	21.90	9.84	31.74	46.00	-14.26	AVG	
11		12.4643	33.39	10.45	43.84	60.00	-16.16	QP	
12		12.4643	24.80	10.45	35.25	50.00	-14.75	AVG	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode_ 13.56MHz	Phase	Neutral
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1522	33.99	9.59	43.58	65.88	-22.30	QP	
2		0.1522	24.80	9.59	34.39	55.88	-21.49	AVG	
3		0.1725	32.49	9.59	42.08	64.84	-22.76	QP	
4		0.1725	23.20	9.59	32.79	54.84	-22.05	AVG	
5		0.4875	30.97	9.65	40.62	56.21	-15.59	QP	
6		0.4875	21.70	9.65	31.35	46.21	-14.86	AVG	
7		0.9982	29.82	9.68	39.50	56.00	-16.50	QP	
8		0.9982	20.60	9.68	30.28	46.00	-15.72	AVG	
9		1.3763	30.12	9.69	39.81	56.00	-16.19	QP	
10	*	1.3763	21.90	9.69	31.59	46.00	-14.41	AVG	
11		12.4823	32.39	10.32	42.71	60.00	-17.29	QP	
12		12.4823	23.50	10.32	33.82	50.00	-16.18	AVG	

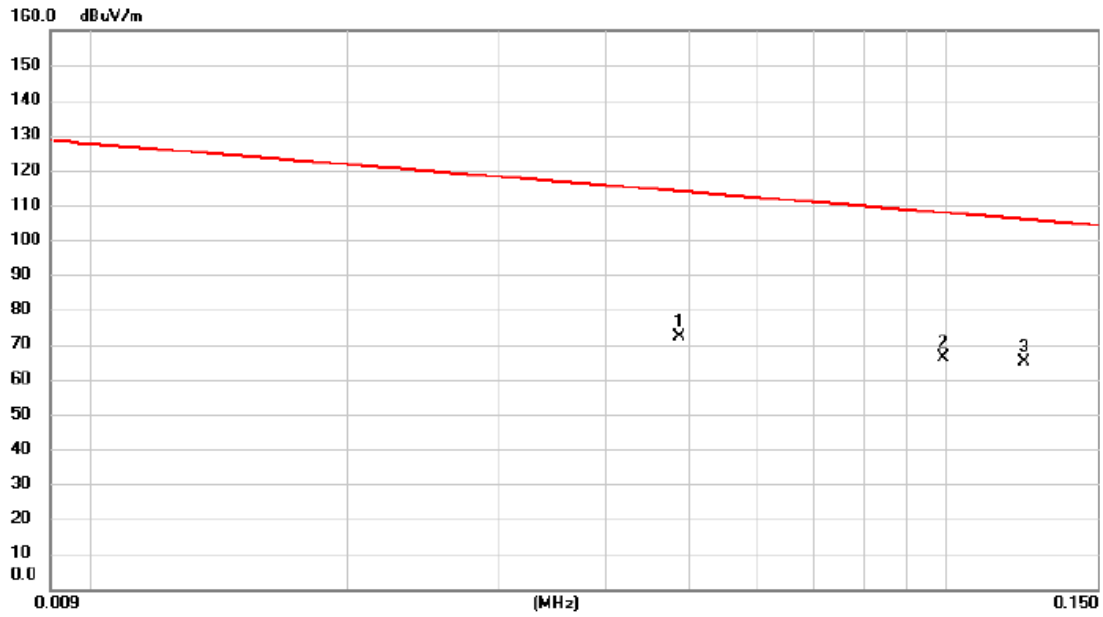
**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

## **APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ**



Test Mode	TX Mode_ 13.56MHz	Polarization	Ant 0°
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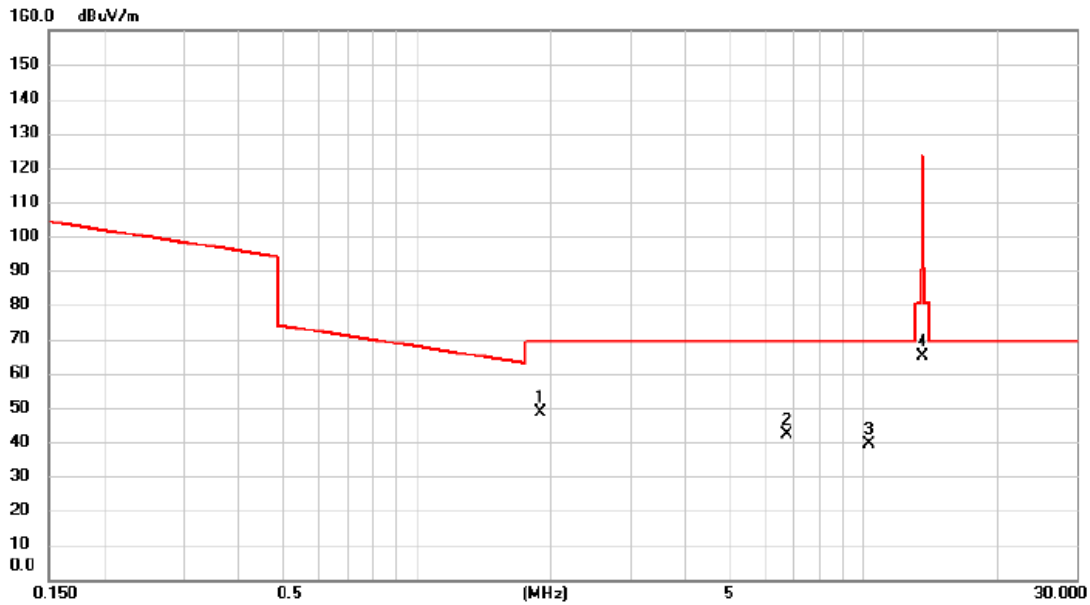
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0487	50.85	21.29	72.14	113.93	-41.79	peak	
2		0.0991	44.77	21.33	66.10	107.79	-41.69	peak	
3	*	0.1234	43.60	21.29	64.89	105.90	-41.01	peak	

**REMARKS:**

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode_ 13.56MHz	Polarization	Ant 0°
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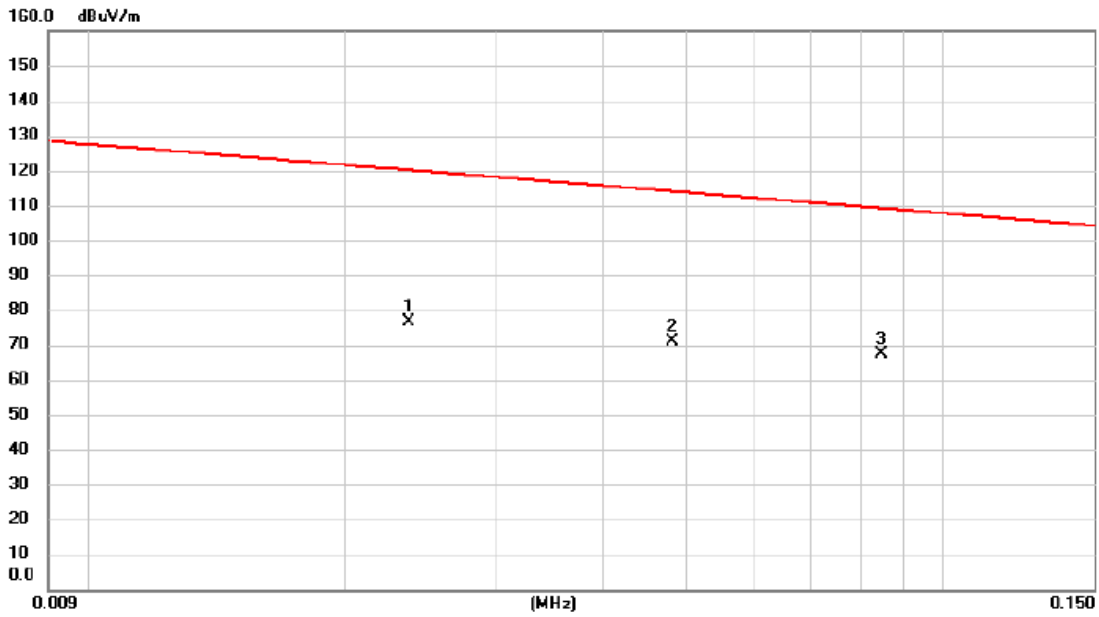


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	1.8813	27.53	21.19	48.72	69.50	-20.78	peak	
2		6.7170	20.71	21.51	42.22	69.50	-27.28	peak	
3		10.2542	17.90	21.60	39.50	69.50	-30.00	peak	
4		13.5526	43.10	21.71	64.81	90.50	-25.69	peak	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode_ 13.56MHz	Polarization	Ant 90°
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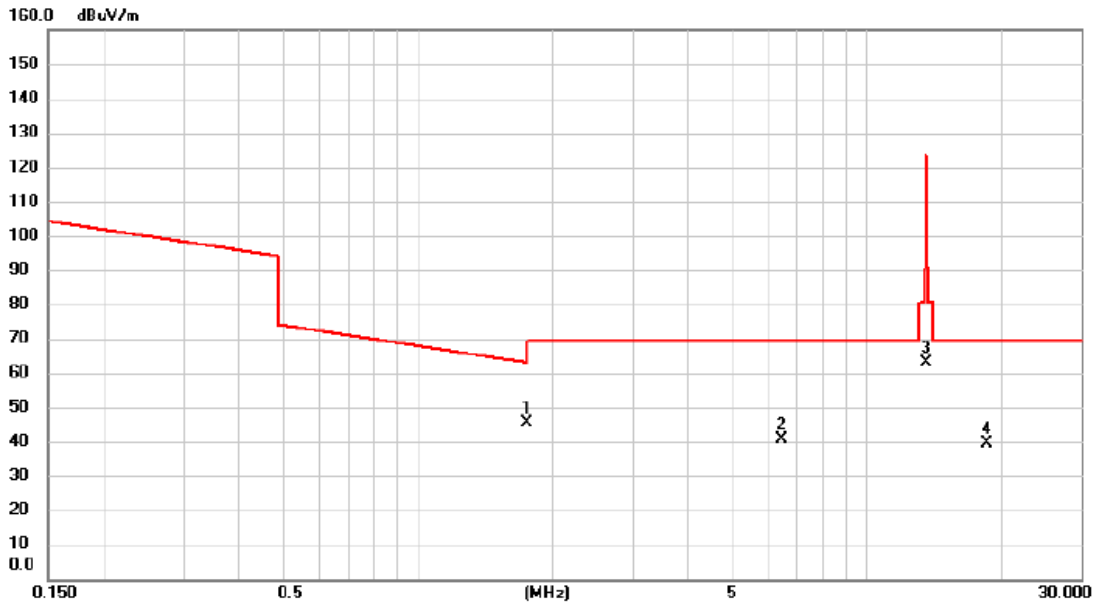
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0237	55.69	21.11	76.80	120.14	-43.34	peak	
2		0.0482	49.65	21.29	70.94	114.02	-43.08	peak	
3	*	0.0847	45.94	21.30	67.24	109.15	-41.91	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode_ 13.56MHz	Polarization	Ant 90°
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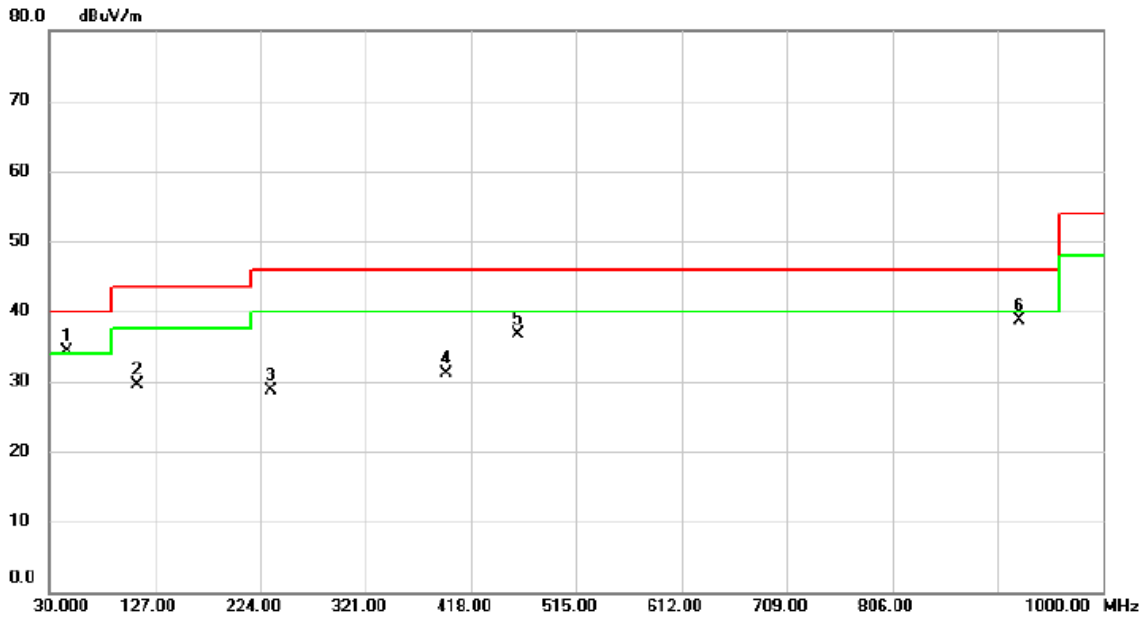
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	1.7470	24.25	21.18	45.43	63.01	-17.58	peak	
2		6.4334	19.18	21.48	40.66	69.50	-28.84	peak	
3		13.5676	41.42	21.71	63.13	90.50	-27.37	peak	
4		18.4331	17.59	21.89	39.48	69.50	-30.02	peak	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

## **APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ**

Test Mode	TX Mode_ 13.56MHz	Polarization	Vertical
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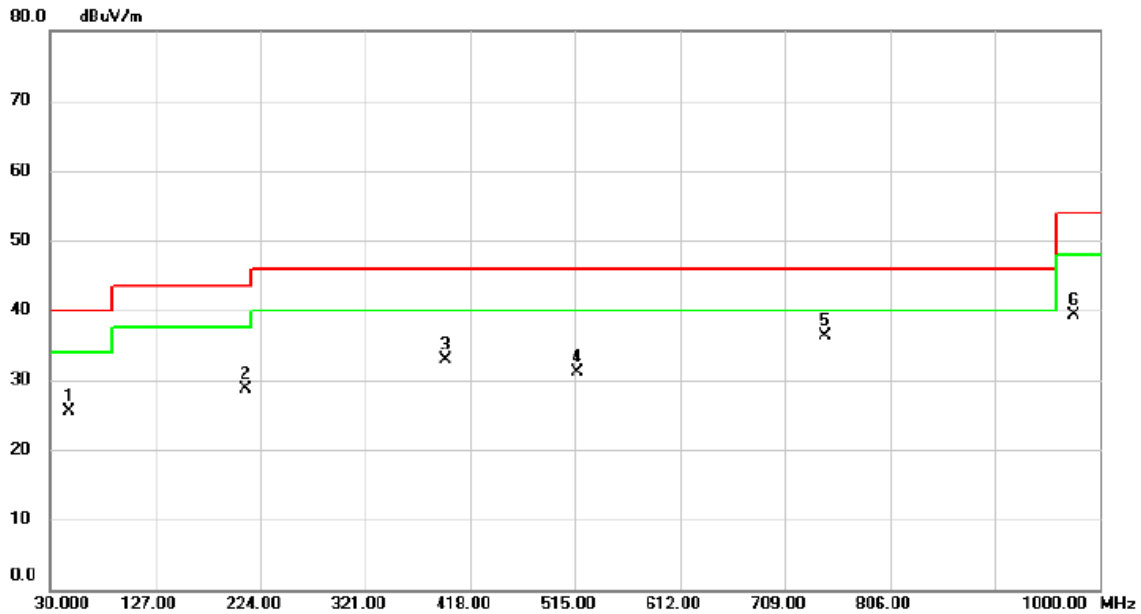


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	45.5200	45.73	-11.37	34.36	40.00	-5.64	peak	
2		110.5100	43.71	-14.26	29.45	43.50	-14.05	peak	
3		233.2150	42.07	-13.40	28.67	46.00	-17.33	peak	
4		395.2050	39.30	-8.23	31.07	46.00	-14.93	peak	
5		460.6800	43.34	-6.70	36.64	46.00	-9.36	peak	
6		923.3700	38.48	0.23	38.71	46.00	-7.29	peak	

**REMARKS:**

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX Mode_ 13.56MHz	Polarization	Horizontal
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		47.4600	36.86	-11.32	25.54	40.00	-14.46	peak	
2		210.9050	43.17	-14.50	28.67	43.50	-14.83	peak	
3		395.2050	41.19	-8.23	32.96	46.00	-13.04	peak	
4		517.4250	36.97	-5.78	31.19	46.00	-14.81	peak	
5	*	745.3750	37.55	-1.34	36.21	46.00	-9.79	peak	
6		976.2350	38.74	0.58	39.32	54.00	-14.68	peak	

**REMARKS:**

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

## **APPENDIX D - FREQUENCY TOLERANCE**



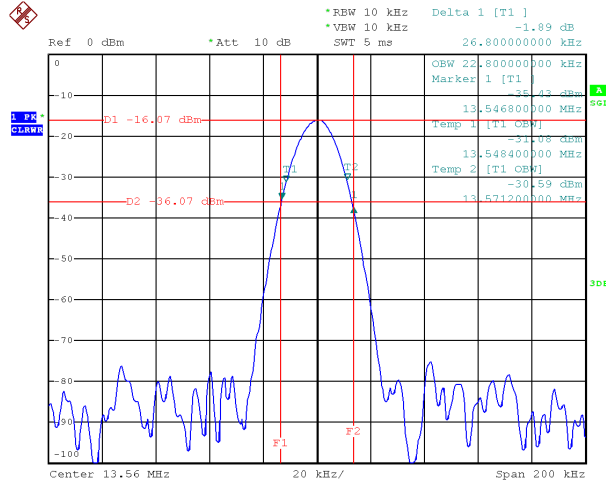
Test Mode	TX Mode_ 13.56MHz
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Condition			Frequency Error (ppm)										Limit (ppm)	Result
Temperature	Modulation Mode	Test Freq.	0 min	2 min	5 min	10 min	0 min	2 min	5 min	10 min	0 min	2 min		
Normal														
T <sub>20°C</sub> Vmax	CW	13.56	13.560000	13.560000	13.560000	13.560000	0.00	0.00	0.00	0.00	100	Pass		
T <sub>20°C</sub> Vmin	CW	13.56	13.560000	13.560000	13.560000	13.560000	0.00	0.00	0.00	0.00		Pass		
Extreme														
T <sub>35°C</sub> Vnom	CW	13.56	13.560000	13.560000	13.560000	13.560000	0.00	0.00	0.00	0.00	100	Pass		
T <sub>30°C</sub> Vnom	CW	13.56	13.560000	13.560000	13.560000	13.560000	0.00	0.00	0.00	0.00		Pass		
T <sub>20°C</sub> Vnom	CW	13.56	13.560000	13.560000	13.560000	13.560000	0.00	0.00	0.00	0.00		Pass		
T <sub>10°C</sub> Vnom	CW	13.56	13.560000	13.560000	13.560000	13.560000	0.00	0.00	0.00	0.00		Pass		
T <sub>0°C</sub> Vnom	CW	13.56	13.560000	13.560000	13.560000	13.560000	0.00	0.00	0.00	0.00		Pass		

## APPENDIX E - BANDWIDTH

Test Mode	TX Mode_ 13.56MHz
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Frequency (MHz)	20 dB Bandwidth (MHz)	Result
13.56	0.0268	Complies



Date: 4.APR.2024 09:52:01

End of Test Report