



RADIO TEST REPORT

Applicant	:	Zhuhai Xprinter Electronics Technology Co., Ltd
Address of Applicant	:	5/F, 1st Workshop, No.613 Huawei Road, Qianshan Industrial Zone, Xiangzhou District, Zhuhai City, Guangdong Province, P.R.China
Manufacturer	:	Zhuhai Xprinter Electronics Technology Co., Ltd
Address of Manufacturer	:	5/F, 1st Workshop, No.613 Huawei Road, Qianshan Industrial Zone, Xiangzhou District, Zhuhai City, Guangdong Province, P.R.China
Equipment under Test	:	Minni Sticker Printer, AI Voice Sticker Printer
Model No.	:	D1, D2, MK1, MK2, GT1, GT2, SK1, SK2, GM1, GM2
FCC ID	:	2AWYK-D1
Test Standard(s)	:	47 CFR Part 15 Subpart C, ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
Report No.	:	DDT-RE26070603-1E01
Issue Date	:	2026/08/26
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

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Test Standard Used:
47 CFR Part 15 Subpart C

Test procedure used:
ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

We Declare:

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE26070603-1E01		
Date of Receipt:	2026/07/08	Date of Test:	2026/07/09 - 2026/08/10

Created: Zeng Zhongyao	Reviewed: Zoe Peng	Approved: Ella Gong
		
2026/08/10	2026/08/25	2026/08/26

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Version	Revision Content	Issue Date	Approved
V0	Initial issue	2026/08/26	Ella Gong

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	20dB Bandwidth and 99% Bandwidth	47 CFR Part 15 15.215	/	Pass
2	Frequency Stability	FCC Part 15:15.225	/	Pass
3	Radiated Emission	47 CFR Part 15 15.209, 47 CFR Part 15 15.225	/	Pass
4	Power Line Conducted Emissions	47 CFR Part 15 15.207	/	N/A
5	Antenna Requirement	47 CFR Part 15 15.203	/	Pass

Note: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.

2. General Test Information

2.1. Description of EUT

EUT Name	: Minni Sticker Printer, AI Voice Sticker Printer
Model Number	: D1, D2, MK1, MK2, GT1, GT2, SK1, SK2, GM1, GM2
Difference of model number	: Only the product names and model names are different. Unless specified, all the tests were conducted on model D1.
EUT Function Description	: Please reference user manual of this device
Power Supply	: Input: 5V=2A Battery: 3.7V, 1300mAh, 4.81Wh
Hardware Version	: YHD1JL91676UW2L V1.0A
Software Version	: V2201.1015.0C
Antenna Type	: FPC Antenna
Max Antenna Gain(dBi)	: 0dBi

Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

“☑” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
/	/	/	/

2.3. Block diagram of EUT configuration for test



2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:

Tested mode, channel, information		
Mode	Channel	Frequency (MHz)
TX	/	13.56

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-25 °C
Humidity range:	40-75%
Pressure range:	86 kPa to106 kPa

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20240, G-20118

2.8. Measurement uncertainty

Test Item	Uncertainty
Bandwidth	1.9%
Peak Output Power (Conducted) (Spectrum analyzer)	0.98 dB
Peak Output Power (Conducted) (Power Sensor)	1.18 dB
Power Spectral Density (Base EIRP)	1.51 dB
Power Spectral Density (Spectrum analyzer)	0.98 dB
Frequencies Stability	1.9 kHz
Conducted spurious emissions	1.21 dB ($9\text{ kHz} \leq f < 7\text{ GHz}$);
	3.31 dB ($7\text{ GHz} \leq f < 40\text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	5.5×10^{-8}
Time	0.11%
Temperature	0.3 °C
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.28 dB (Antenna Polarize: V)
	4.14 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.22 dB (1 - 6 GHz)
	4.52 dB (6 GHz - 18 GHz)
	4.58 dB (18 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.32dB (150KHz-30MHz)
	3.72dB (9KHz-150KHz)

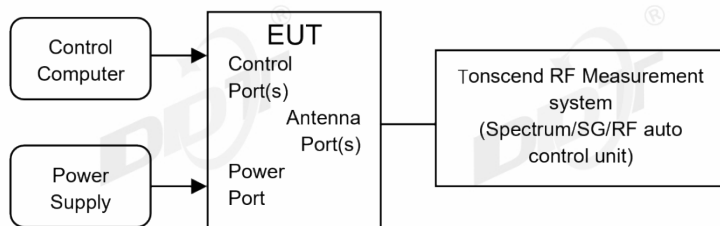
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3. Equipment Used During Conductive Test

Equipment	Manufacturer	Model No.	Serial Number	Due Date
☑RF Connected Test (RF Measurement System 5#)				
Spectrum Analyzer	R&S	FSV40-N	101903	2027/02/27
Wideband Radio Communication Tester	R&S	CMW500	132871	2027/01/15
EXG Vector Generator	Agilent	N5172B	MY53051914	2027/01/06
MXG Vector Signal Generator	Agilent	N5173B	MY62220219	2027/03/18
RF Control Unit	Tonscend	JS0806-2	23180620727	2027/03/17
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2027/02/27
Test Software	Tonscend	JS1120-3	V3.6.21	N/A

4. 20 dB Bandwidth & 99% Bandwidth

4.1. Block diagram of test setup



4.2. Limits

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Set the spectrum analyzer as follows:

RBW:	1% to 5% of the OBW
VBW:	approximately three times RBW
Span:	between 2 times and 5 times the OBW
Detector Mode:	Peak
Sweep time:	Auto
Trace mode:	Max hold

(3) Allow the trace to stabilize, measure the 20 dB bandwidth of signal.

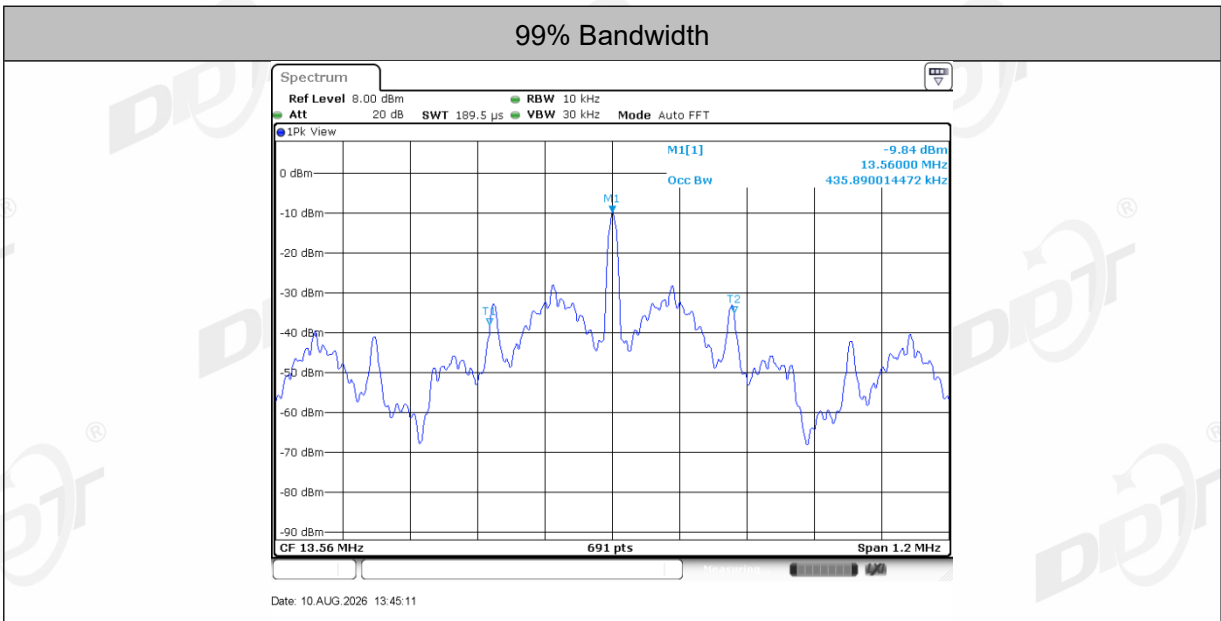
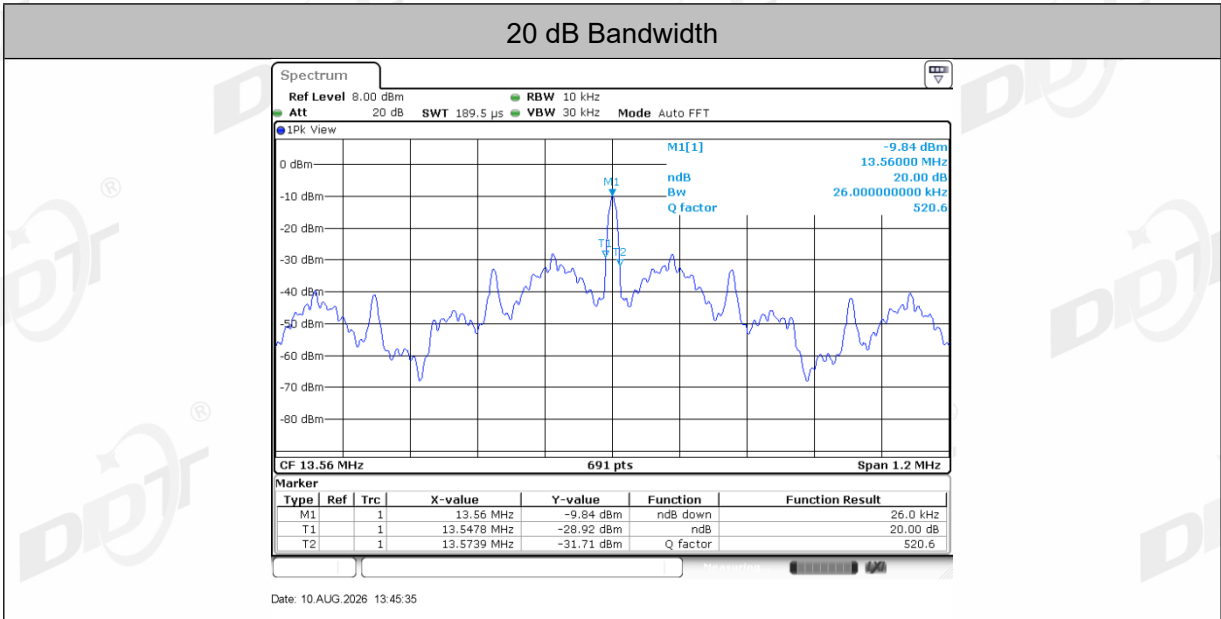
(4) Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

4.4. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 5#
Ambient Condition:	24.5 °C, 42.8%RH	Test Date:	2026/8/9 - 2026/8/10
Test Power Supply:	Battery	Sample Number:	S26070603-001

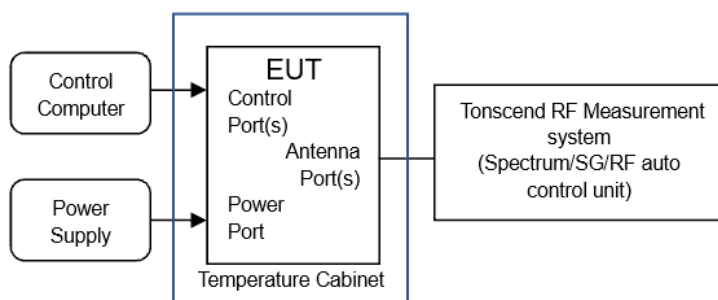
Mode	Frequency (MHz)	20 dB bandwidth Result (kHz)	99% bandwidth Result (kHz)	Verdict
ASK	13.56	26	435.89	Pass

4.5. Test graphs



5. Frequency Tolerance

5.1. Block diagram of test setup



5.2. Limit

As contained in § 15.225 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.

5.3. Test procedure

(1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the channel under test.

Resolution BW: 10 kHz.

Video BW: 10 kHz.

Span: 1 MHz.

Detector: Peak.

Trace Mode: Max Hold.

(2) When the trace is complete, find the peak value of the power envelope and record the frequency.

5.4. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 5#
Ambient Condition:	24.5 °C, 42.8%RH	Test Date:	2026/8/9 - 2026/8/10
Test Power Supply:	Battery	Sample Number:	S26070603-001

Mode	Condition		Result			Limit
	Temperature [°C]	Voltage [V]	Measured [MHz]	Tolerance [kHz]	Tolerance [ppm]	ppm
Carrier Tx Mode	NT	NV	13.560	0	0	±100
	-20	NV	13.560	0	0	±100
	-10	NV	13.560	0	0	±100
	0	NV	13.560	0	0	±100
	10	NV	13.560	0	0	±100
	30	NV	13.560	0	0	±100
	40	NV	13.560	0	0	±100
	50	NV	13.560	0	0	±100
	NT	DC 3.15V	13.560	0	0	±100
	NT	DC 4.26V	13.560	0	0	±100
Note: NT: 20 °C, NV: DC 3.7V						

6. Antenna Requirements

6.1. Limit

For intentional device, according to FCC 47 CFR Section 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 replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

6.2. Result

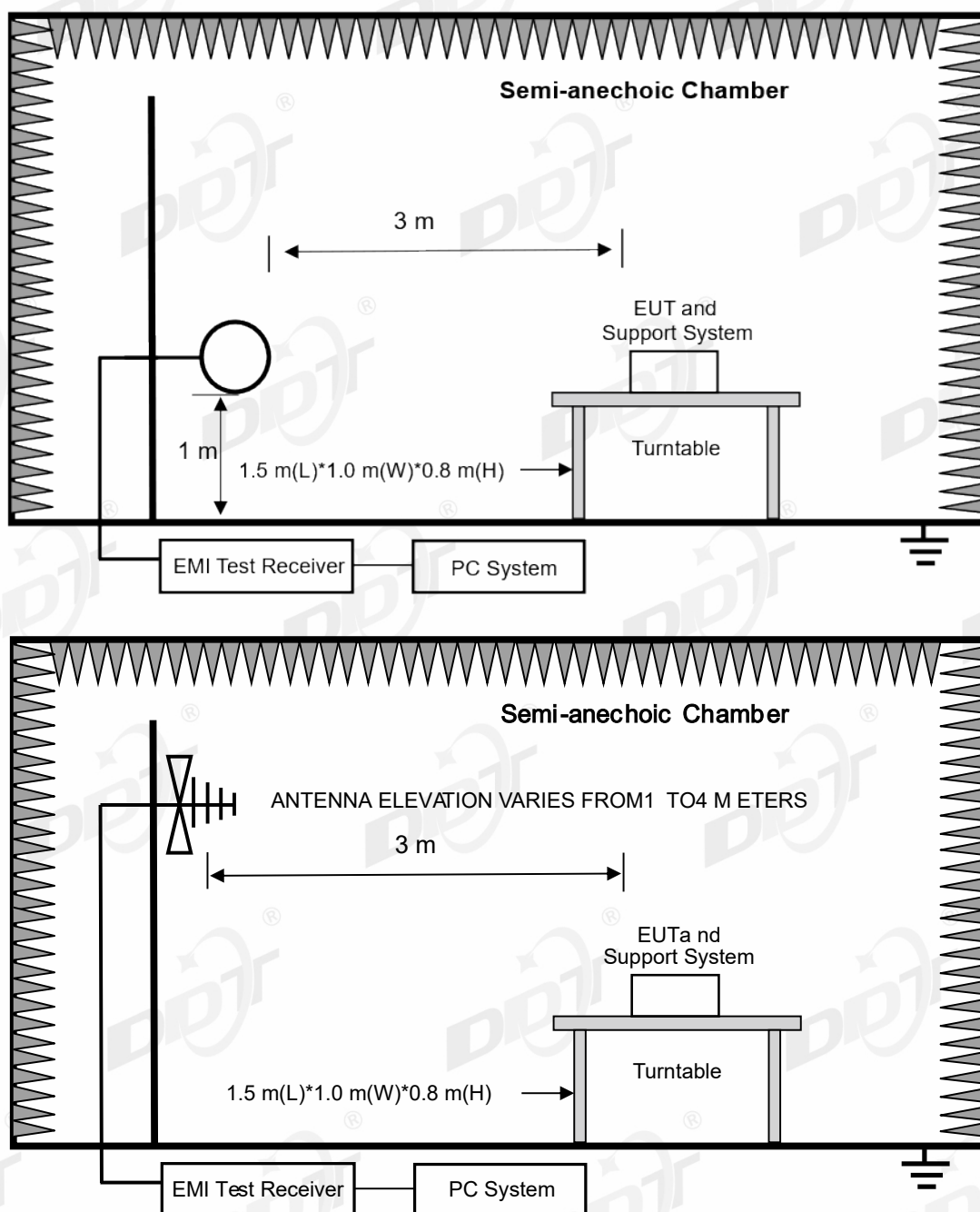
The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

7. Radiated Emission

7.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2027/02/27
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-10M	DDT-ZC05591	2026/10/10
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-3M	DDT-ZC05590	2026/10/10
RF cable	Zhongke Junchuang	JCTB510-NJW-NJW-0.6M	DDT-ZC04595	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-5M	DDT-ZC03800	2026/10/10
Radiation disturbance fully automated test software	Tonscend	JS32-RE (V5.0.0)	DDT-ZC02739	/
Pre-amplifier	SONOMA	310N	DDT-ZC01969	2027/06/25
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2027/07/08
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2027/02/27
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2027/02/27
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2027/02/27
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2027/07/10
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2027/07/10
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2027/07/10
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27

7.2. Block diagram of test setup



7.3. Limits

Operation within the band 13.110-14.010 MHz as contained in §15.225:

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

(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.

FREQUENCY (MHz)	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		(μ V/m)	dB(μ V)/m
0.009 ~ 0.490	300	2400/F(KHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(KHz)	87.6-20log(F)
1.705 ~ 13.110	30	30	29.54
13.110 ~ 13.410	30	106	40.51
13.410~ 13.553	30	334	50.47
13.553~13.567	30	15848	84.00
13.567~13.710	30	334	50.47
13.710~14.010	30	106	40.51
14.010~30	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0

Note:

(1)The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer then that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3m}(\text{dB}\mu\text{V/m}) = \text{Limit}_{300m}(\text{dB}\mu\text{V/m}) + 40\text{Log}(300m/3m) = \text{Limit}_{300m}(\text{dB}\mu\text{V/m}) + 80$$

$$\text{Limit}_{3m}(\text{dB}\mu\text{V/m}) = \text{Limit}_{30m}(\text{dB}\mu\text{V/m}) + 40\text{Log}(30m/3m) = \text{Limit}_{30m}(\text{dB}\mu\text{V/m}) + 40$$

FREQUENCY (MHz)	DISTANCE Meters	FIELD STRENGTHS LIMIT dB(μ V)/m
0.009 ~ 0.490	3	147.6-20log(F)
0.490 ~ 1.705	3	127.6-20log(F)
1.705 ~ 13.110	3	69.54
13.110 ~ 13.410	3	80.51
13.410 ~ 13.553	3	90.47
13.553 ~13.567	3	124.00
13.567 ~13.710	3	90.47
13.710 ~14.010	3	80.51
14.010~30	3	69.54
30 ~88	3	40.00
88 ~216	3	43.50

216 ~960	3	46.00
960 ~ 1000	3	54.00

7.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

7.5. Test procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.

(2) Test antenna was located 3m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
30MHz-1GHz	Trilog Broadband Antenna	3m

The Trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1m to 4m(Except loop antenna, it's fixed 1m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10-2020+ Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 on Radiated Emission test.

- (5) The emissions from 9kHz to 1GHz were measured based on CISPR QP detector except for the frequency bands 9-90kHz, 110-490kHz, for emissions from 9kHz-90kHz, 110kHz-490kHz and above 1GHz were measured based on average detector, for emissions above 1GHz, peak emissions also be measured and need comply with Peak limit.
- (6) The emissions from 9kHz to 1GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
30MHz-1GHz	120kHz

- (7) X axis, Y axis, Z axis are tested, and worse setup X axis is reported

7.6. Test result

PASS. (See below detailed test result)

7.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-07-17

Tested By:

Li Xiongbin

Test Mode:

NFC 13.56MHz TX Mode

Power Supply:

Battery

Condition:

Temp:22.1°C;Humi:62.6%

Test Site:

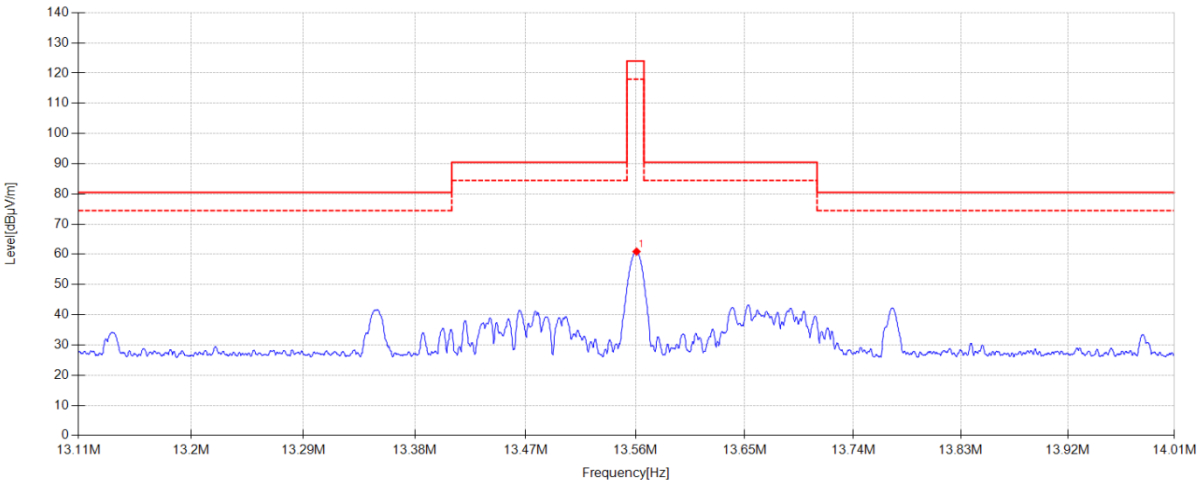
DDT 3# Chamber

File Path:

d:\ts\2026 report data\Q26070603-1E\FCC Below 1G NFC\20260717-063644_V

Memo:

Sample Number:S26070603-001



Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	13.561	69.54	19.93	3.75	-32.30	60.92	124.00	63.08	PK	coaxial

Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: 9kHz-150kHz RBW: 300Hz, VBW: 1 kHz, Sweep time: auto.
150kHz-30MHz RBW: 10kHz, VBW: 30kHz, Sweep time: auto.
- Measured at antenna position coaxial and coplanar, only record the worst case of Coaxial.

TR-4-E-009 Radiated Emission Test Result

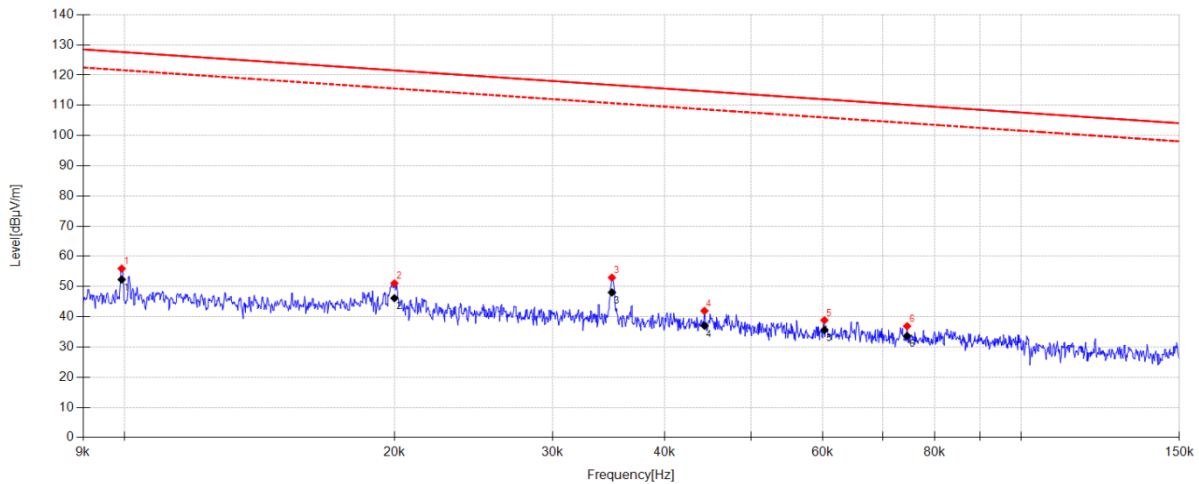
Test Date: 2026-07-17 **Tested By:** Li Xiongbín

Test Mode: NFC 13.56MHz TX Mode **Power Supply:** Battery

Condition: Temp:22.1°C;Humi:62.6% **Test Site:** DDT 3# Chamber

File Path: d:\ts\2026 report data\Q26070603-1E\FCC Below 1G NFC\20260717-063924_V

Memo: Sample Number:S26070603-001



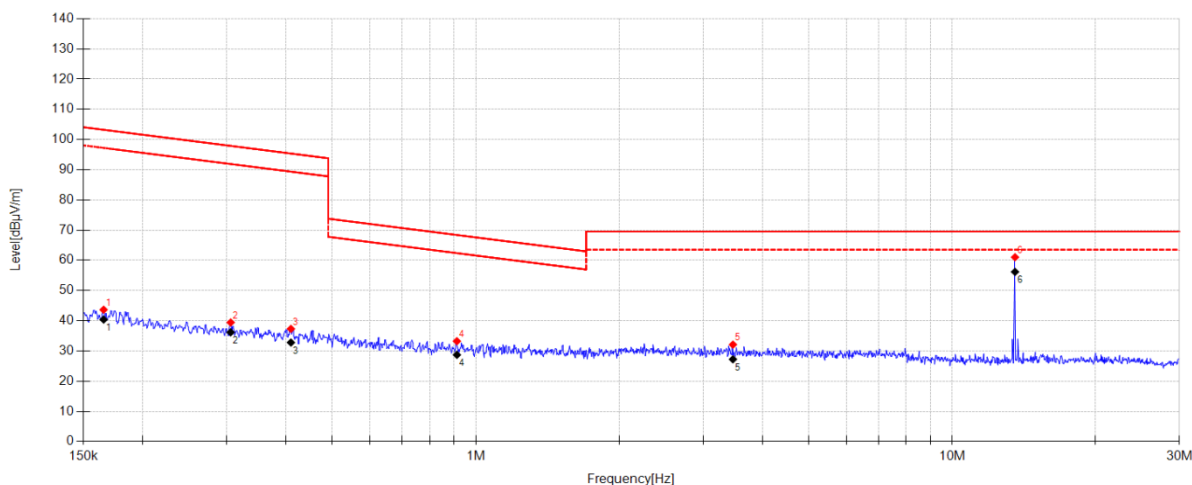
Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.010	65.21	20.20	3.05	-32.50	55.96	127.66	71.70	PK	coaxial
2	0.020	60.18	20.25	3.16	-32.51	51.08	121.58	70.50	PK	coaxial
3	0.035	61.98	20.28	3.25	-32.53	52.98	116.73	63.75	PK	coaxial
4	0.044	50.94	20.23	3.32	-32.54	41.95	114.66	72.71	PK	coaxial
5	0.060	47.85	20.15	3.43	-32.56	38.87	111.99	73.12	PK	coaxial
6	0.075	45.79	20.15	3.52	-32.57	36.89	110.15	73.26	PK	coaxial

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	0.010	61.57	20.20	3.05	52.32	127.68	75.36	QP	coaxial	
2	0.020	55.26	20.25	3.16	46.16	121.58	75.42	QP	coaxial	
3	0.035	57.06	20.28	3.25	48.06	116.72	68.66	QP	coaxial	
4	0.044	46.02	20.23	3.32	37.03	114.67	77.64	QP	coaxial	
5	0.060	44.6	20.15	3.43	35.62	111.99	76.37	QP	coaxial	
6	0.075	42.54	20.15	3.52	33.64	110.14	76.50	QP	coaxial	

Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: 9kHz-150kHz RBW: 300Hz, VBW: 1 kHz, Sweep time: auto.
150kHz-30MHz RBW: 10kHz, VBW: 30kHz, Sweep time: auto.
- Measured at antenna position coaxial and coplanar, only record the worst case of Coaxial.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-07-17**Tested By:** Li Xiongbín**Test Mode:** NFC 13.56MHz TX Mode**Power Supply:** Battery**Condition:** Temp:22.1°C;Humi:62.6%**Test Site:** DDT 3# Chamber**File Path:** d:\ts\2026 report data\Q26070603-1E\FCC Below 1G NFC\20260717-064108_V**Memo:** Sample Number:S26070603-001

Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.165	52.19	20.30	3.76	-32.60	43.65	103.23	59.58	PK	coaxial
2	0.306	48.01	20.26	3.76	-32.60	39.43	97.89	58.46	PK	coaxial
3	0.409	45.94	20.23	3.76	-32.60	37.33	95.37	58.04	PK	coaxial
4	0.913	41.82	20.28	3.75	-32.60	33.25	68.40	35.15	PK	coaxial
5	3.467	40.75	20.15	3.73	-32.52	32.11	69.54	37.43	PK	coaxial
6	13.556	69.66	19.93	3.75	-32.30	61.04	69.54	8.50	PK	coaxial

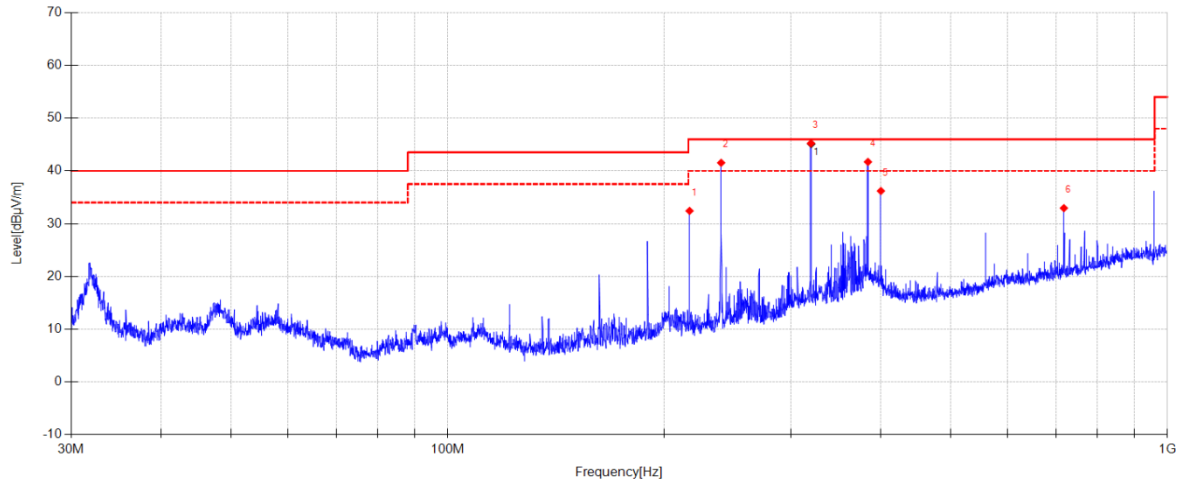
Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	0.165	48.94	20.30	3.76	40.40	103.23	62.83	QP	coaxial	
2	0.306	44.76	20.26	3.76	36.18	97.89	61.71	QP	coaxial	
3	0.409	41.41	20.23	3.76	32.80	95.36	62.56	QP	coaxial	
4	0.913	37.29	20.28	3.75	28.72	68.40	39.68	QP	coaxial	
5	3.467	35.89	20.15	3.73	27.25	69.54	42.29	QP	coaxial	
6	13.556	64.8	19.93	3.75	56.18	69.54	13.36	QP	coaxial	

Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: 9kHz-150kHz RBW: 300Hz, VBW: 1 kHz, Sweep time: auto.
150kHz-30MHz RBW: 10kHz, VBW: 30kHz, Sweep time: auto.
- Measured at antenna position coaxial and coplanar, only record the worst case of Coaxial.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-07-17 **Tested By:** Li Xiongbin
Test Mode: NFC 13.56MHz TX Mode **Power Supply:** Battery
Condition: Temp:22.1°C;Humi:62.6% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26070603-1E\FCC Below 1G NFC\1
Memo: Sample Number:S26070603-001

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	216.84	48.62	11.26	4.95	-32.40	32.43	46.00	13.57	PK	Horizontal
2	239.88	56.42	12.48	5.04	-32.40	41.54	46.00	4.46	PK	Horizontal
3	319.78	58.10	14.18	5.37	-32.42	45.23	46.00	0.77	PK	Horizontal
4	383.73	52.88	15.67	5.64	-32.48	41.71	46.00	4.29	PK	Horizontal
5	399.94	47.50	15.49	5.71	-32.50	36.20	46.00	9.80	PK	Horizontal
6	718.23	39.50	19.76	6.69	-32.99	32.96	46.00	13.04	PK	Horizontal

Final Data List

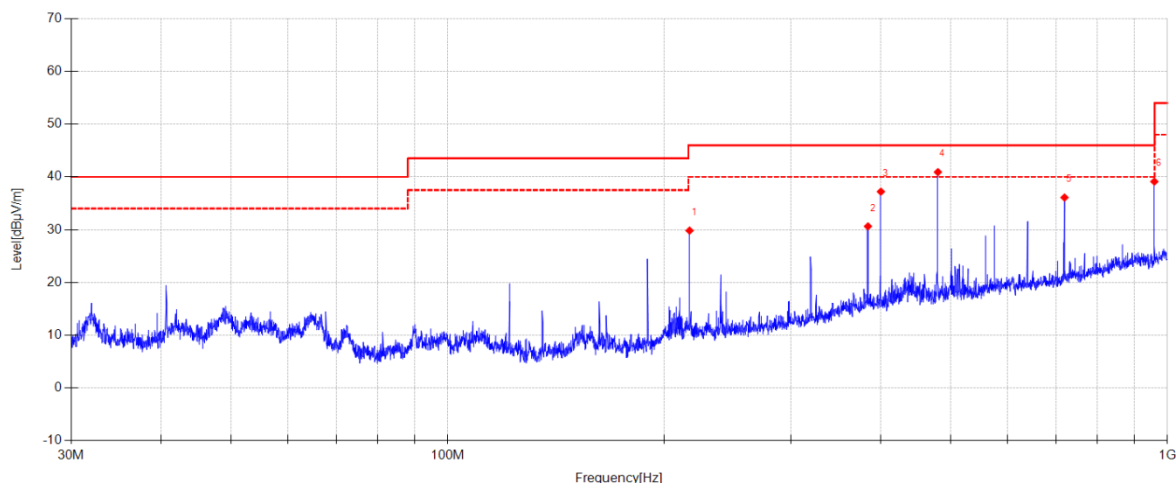
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	320.010	58.00	14.18	5.37	45.13	46.00	0.87	QP	Horizontal

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-07-17 **Tested By:** Li Xiongbin
Test Mode: NFC 13.56MHz TX Mode **Power Supply:** Battery
Condition: Temp:22.1°C;Humi:62.6% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2026 report data\Q26070603-1E\FCC Below 1G NFC\2
Memo: Sample Number:S26070603-001

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	216.84	46.02	11.26	4.95	-32.40	29.83	46.00	16.17	PK	Vertical
2	383.73	41.81	15.67	5.64	-32.48	30.64	46.00	15.36	PK	Vertical
3	399.94	48.51	15.49	5.71	-32.50	37.21	46.00	8.79	PK	Vertical
4	479.92	51.23	16.30	5.97	-32.58	40.92	46.00	5.08	PK	Vertical
5	719.75	42.59	19.80	6.69	-32.98	36.10	46.00	9.90	PK	Vertical
6	959.47	41.35	22.05	7.26	-31.54	39.12	46.00	6.88	PK	Vertical

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

8. Power Line Conducted Emissions

8.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
/	/	/	/	/

8.2. Block diagram of test setup

8.3. Limits

Frequency	Quasi-Peak Level dB(uV)	Average Level dB(uV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

8.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

8.5. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

8.6. Test result

Not Applicable. EUT is powered by DC.

8.7. Test data

N/A.

EUT is powered by DC.

9. Antenna Requirement

9.1. Assessment procedure

The antenna used for this product is inductive loop coil antenna and that no antenna other than that furnished by the responsible party shall be used with the device.

9.2. Assess result

The antenna used for this product is inductive loop coil antenna and that no antenna other than that furnished by the responsible party shall be used with the device.