



RADIO TEST REPORT

Applicant	:	Guangdong Times Sunshade Technology Co. , Ltd.
Address of Applicant	:	Tianan Zhigu Science and Technology Industrial Park, No. 18 Chuangxing Avenue, Qingyuan High-tech Industrial Development Zone
Manufacturer	:	Guangdong Times Sunshade Technology Co. , Ltd.
Address of Manufacturer	:	Tianan Zhigu Science and Technology Industrial Park, No. 18 Chuangxing Avenue, Qingyuan High-tech Industrial Development Zone
Equipment under Test	:	Remote control
Model No.	:	NG1118-01, NG1118-02, NG1118-06, NG1118-16
FCC ID	:	2BOBV-NG1118
IC	:	33711-NG1118
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C, ANSI C63.10-2020 RSS-210 Issue 11 June 25, 2024, RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021) ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024
Report No.	:	DDT-RE25070210-2E01
Issue Date	:	2026/03/10
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

Table of Contents

1.	Summary of Test Results	6
2.	General Test Information.....	7
2.1.	Description of EUT	7
2.2.	Accessories of EUT	7
2.3.	Block diagram of EUT configuration for test.....	7
2.4.	Decision of final test mode	7
2.5.	Deviations of test standard	8
2.6.	Test environment conditions	8
2.7.	Test laboratory	8
2.8.	Measurement uncertainty	9
3.	Equipment Used During Conductive Test	10
4.	On Time and Duty Cycle	11
4.1.	Block diagram of test setup	11
4.2.	Limits	11
4.3.	Test procedure	11
4.4.	Test result.....	12
4.5.	Test graphs	13
5.	20dB Bandwidth and 99% Bandwidth	15
5.1.	Block diagram of test setup	15
5.2.	Limits	15
5.3.	Test procedure	15
5.4.	Test result.....	16
5.5.	Test graphs	17
6.	Stop Transmitting Time Test	18
6.1.	Block diagram of test setup	18
6.2.	Limits	18
6.3.	Test procedure	18
6.4.	Test result.....	19
6.5.	Test graphs	20
7.	Antenna Requirements.....	21
7.1.	Limit.....	21
7.2.	Result	21
8.	Radiated Emission	22
8.1.	Test equipment.....	22
8.2.	Block diagram of test setup	22
8.3.	Limits	22

8.4.	Assistant equipment used for test	24
8.5.	Test procedure	25
8.6.	Test result.....	26
8.7.	Test data	27
9.	Field Strength Of The Fundamental Signal	39
9.1.	Test equipment.....	39
9.2.	Block diagram of test setup	39
9.3.	Limits	39
9.4.	Assistant equipment used for test	40
9.5.	Test procedure	40
9.6.	Test result.....	41
10.	Power Line Conducted Emissions.....	46
10.1.	Test equipment.....	46
10.2.	Block diagram of test setup	46
10.3.	Limits	46
10.4.	Assistant equipment used for test	46
10.5.	Test procedure	46
10.6.	Test result.....	47
11.	Test Setup Photograph	48
12.	Photos of the EUT	50

Test Report Declare

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Equipment under Test	:	Remote control
Model No.	:	NG1118-01, NG1118-02, NG1118-06, NG1118-16
Manufacturer	:	Guangdong Times Sunshade Technology Co. , Ltd.
Address of Manufacturer	:	Tianan Zhigu Science and Technology Industrial Park, No. 18 Chuangxing Avenue, Qingyuan High-tech Industrial Development Zone

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C, 2024, ANSI C63.10-2020,
RSS-210 Issue 11 June 25, RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021), 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-RE25070210-2E01		
Date of Receipt:	2025/07/14	Date of Test:	2025/07/14 - 2025/11/15

Created: Johnson Huang	Reviewed: Tiger Mo	Approved: Damon Hu
		
2025/11/15	2026/03/10	2026/03/10

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	2026/03/10	Damon Hu

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	On Time and Duty Cycle	FCC Rules and Regulations Part 15 Subpart C, RSS-210 Issue 11 June 25, 2024	/	Pass
2	20dB Bandwidth and 99% Bandwidth	FCC Part 15: 15.215, RSS-210 Issue 11 June 25, 2024, RSS-Gen Issue 5	/	Pass
3	Stop Transmitting Time Test	FCC Part 15C: 15.231(a)(1), RSS-210 Issue 11 June 25, 2024	/	Pass
4	Radiated Emission	FCC Part 15: 15.209, FCC Part 15: 15.231(b), RSS-210 Issue 11 June 25, 2024, RSS-Gen Issue 5	/	Pass
5	Field Strength Of The Fundamental Signal	FCC Part 15: 15.209, FCC Part 15: 15.231(b), RSS-210 Issue 11 June 25, 2024, RSS-Gen Issue 5	/	Pass
6	Power Line Conducted Emissions	FCC Part 15: 15.207, RSS-210 Issue 11 June 25, 2024, RSS-Gen Issue 5	/	N/A
7	Antenna Requirement	FCC Part 15: 15.203, RSS-Gen Issue 5 clause 6.8	/	Pass

Note 1: 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.

Note 2: All models have the "Radiated Emission" project included for differentiation testing. The field strength of the fundamental frequency signals of NG1118-06 and NG1118-16 has been tested.

2. General Test Information

2.1. Description of EUT

EUT Name	: Remote control
Model Number	: NG1118-01, NG1118-02, NG1118-06, NG1118-16
Difference of model number	: The differences between the models lie in the number of indicator lights. There are also differences in the antenna between NG1118-01, NG1118-02, NG1118-06 and NG1118-16.
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 3V from battery
Modulation	: ASK
Antenna Type	: PCB

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, the pathloss of external cable: 0.5dB (According to the manufacturer's claims):

Tested mode, channel information		
Mode	Channel	Frequency (MHz)
TX mode	/	433.92

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

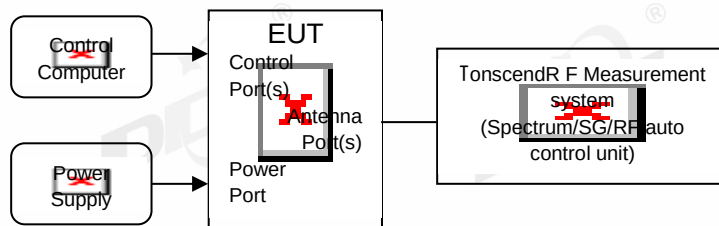
Test Item	Uncertainty
Bandwidth	1.1%
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.70 dB (Antenna Polarize: V)
	4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.10 dB (1 - 6 GHz)
	4.40 dB (6 GHz - 18 GHz)
	3.54 dB (18 GHz - 26 GHz)
	4.30 dB (26 GHz - 40 GHz)
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 1#)				
SIGNAL ANALYZER	R&S	FSQ26	101272	2026/03/28
Wideband Radio Communication Tester	R&S	CMW500	120259	2026/03/28
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2026/03/28
MXG Vector Signal Generator	Agilent	N5182A	MY19060405	2026/03/28
RF Control Unit	Tonscend	JS0806-2	158060010	2026/03/28
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2026/03/28
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A

4. On Time and Duty Cycle

4.1. Block diagram of test setup



4.2. Limits

None: for reporting purposes only.

4.3. Test procedure

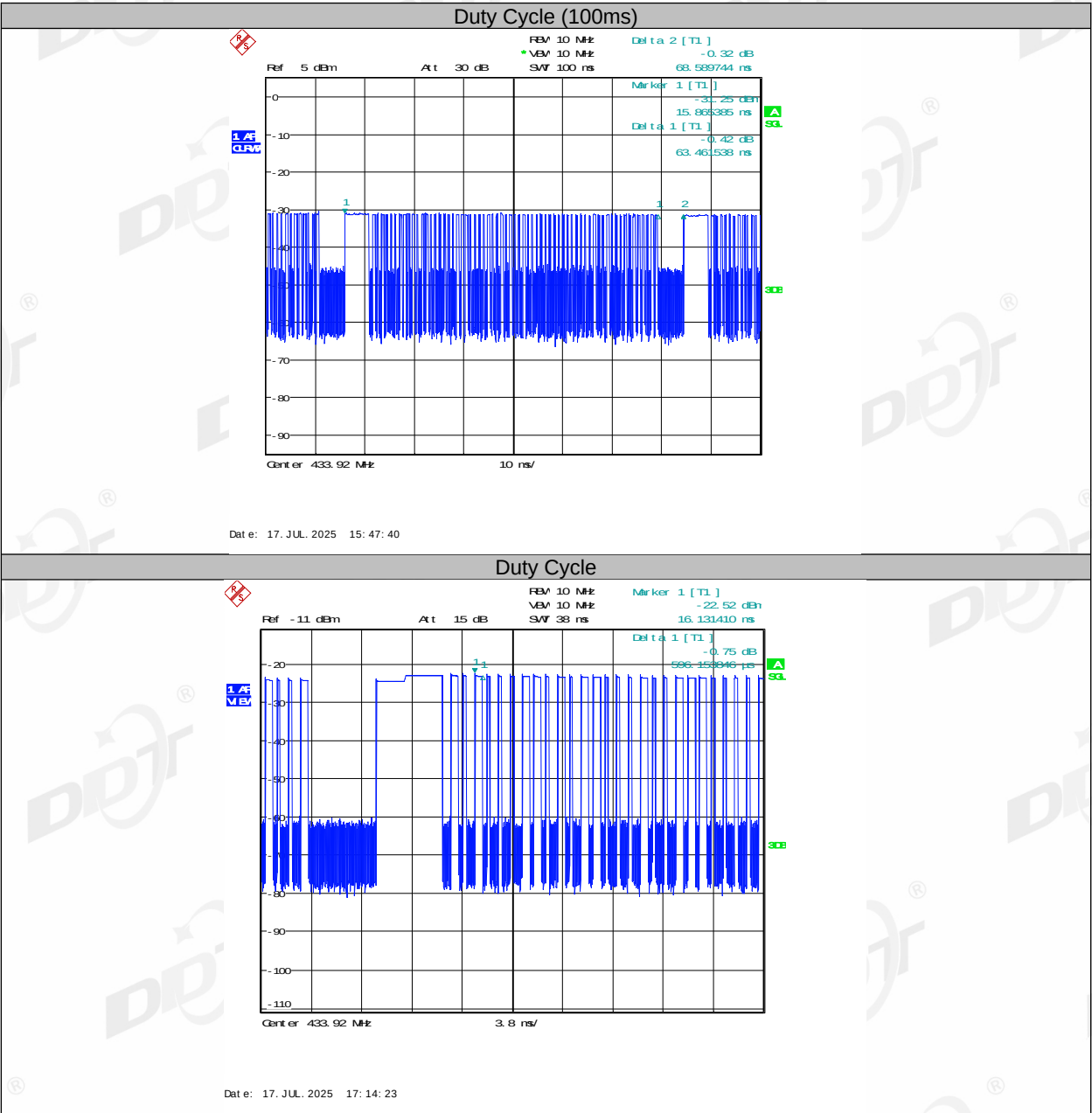
Set the Centre frequency of the spectrum analyzer to the transmitting frequency;
Set the span=0 MHz, RBW=1 MHz, VBW=1 MHz, Sweep time=100 ms;
Trace mode = Single hold.

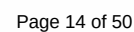
4.4. Test result

Test Engineer:	Huang Yanwen	Test Site:	RF Measurement System 2#
Ambient Condition:	23.5 °C, 55%RH	Test Date:	2025/7/17 - 2025/7/17
Test Power Supply:	Battery	Sample Number:	S25070210-004

Test Channel[MHz]	Duty Cycle[%]	20log(Δ) Factor[dB]
433.92	43.32	-7.27
Note 1: The transmitter duty cycle was measured using a spectrum analyser in the time domain and calculated by below Equation: $\Delta=(0.596\times26)+(0.231\times40)+4.97=29.71\text{ms}$ $\delta(\text{dB})=20\log(\Delta)=20\log(29.71/68.59)=-7.27\text{dB}$ δ is the duty cycle correction factor (dB) Δ is the duty cycle (dimensionless) Note 2: In cases where the pulse train exceeds 0.1 s, the measured field strength shall be determined during a 0.1 s interval		

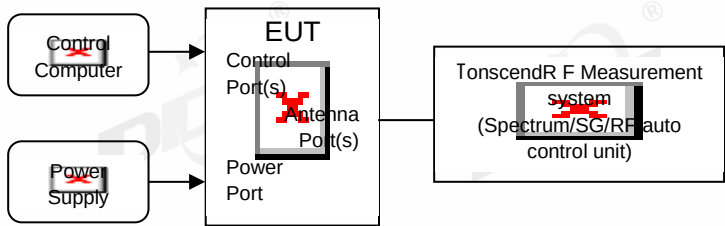
4.5. Test graphs





5. 20dB Bandwidth and 99% Bandwidth

5.1. Block diagram of test setup



5.2. Limits

The bandwidth of the emission shall be no wider than 0.25% of the center frequency of devices operation above 70MHz and below 900MHz.

5.3. Test procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) Set the spectrum analyzer as follows:

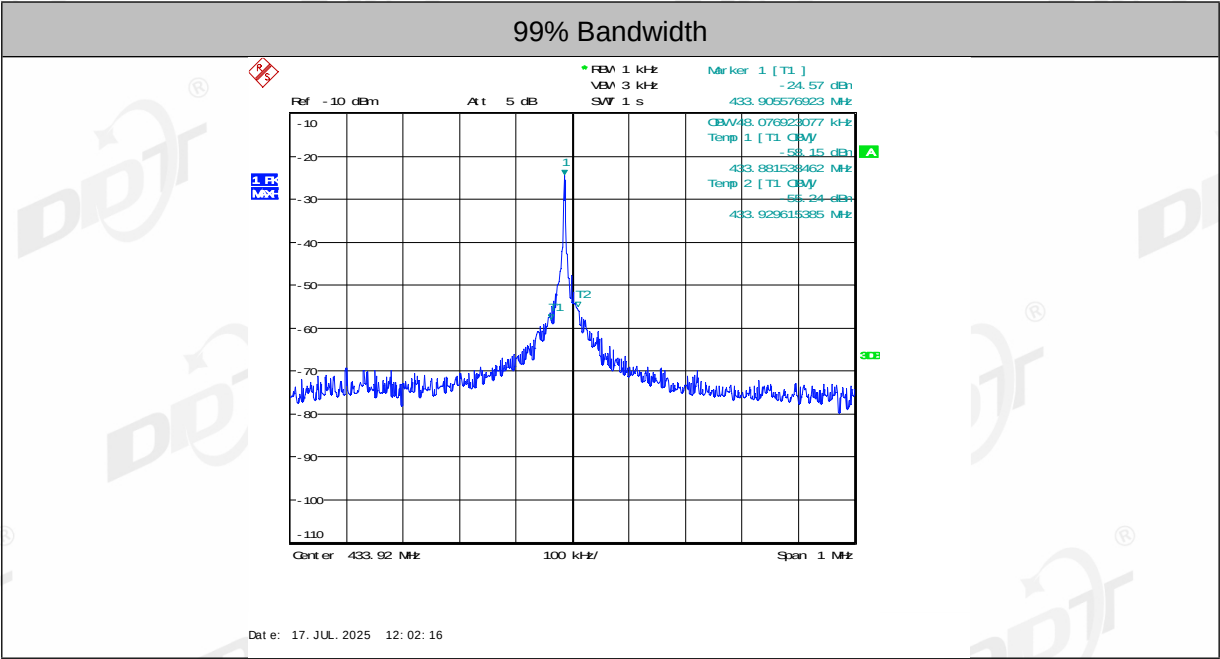
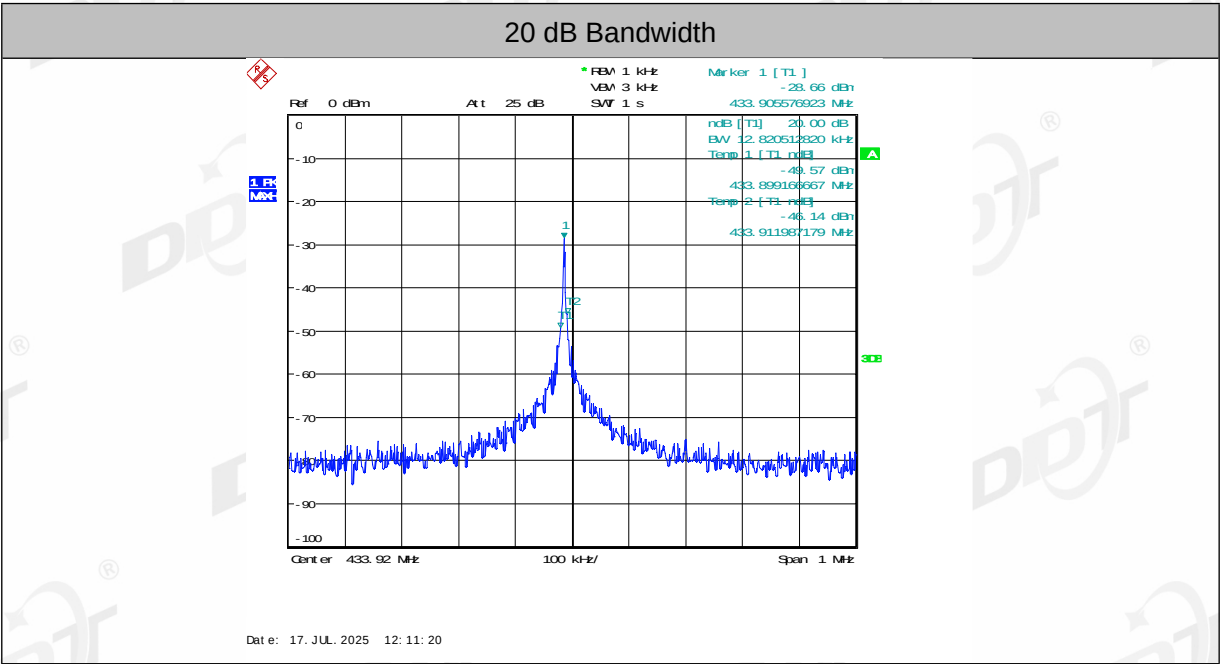
RBW:	1% to 5% of the OBW
VBW:	approximately three times RBW
Span:	between 2 times and 5 times the OBW
Detector Mode:	Peak
Sweep time:	Auto
Trace mode:	Max hold
- (3) Allow the trace to stabilize, measure the 20 dB bandwidth of signal.
- (4) Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

5.4. Test result

Test Engineer:	Huang Yanwen	Test Site:	RF Measurement System 2#	
Ambient Condition:	23.5 °C, 55%RH	Test Date:	2025/7/17 - 2025/7/17	
Test Power Supply:	Battery	Sample Number:	S25070210-004	

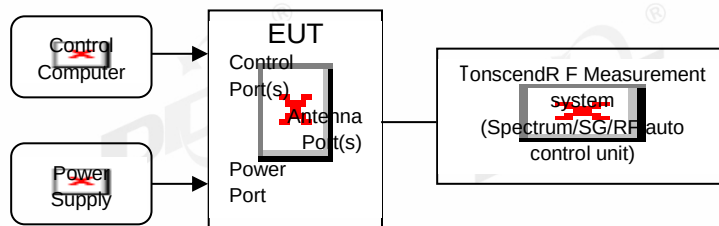
Frequency [MHz]	20 dB Bandwidth [kHz]	99% Bandwidth [kHz]	Limit	Verdict
433.92	12.82	48.08	433.92 MHz*0.25%=1084.8 kHz	PASS

5.5. Test graphs



6. Stop Transmitting Time Test

6.1. Block diagram of test setup



6.2. Limits

15.231(a), A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

6.3. Test procedure

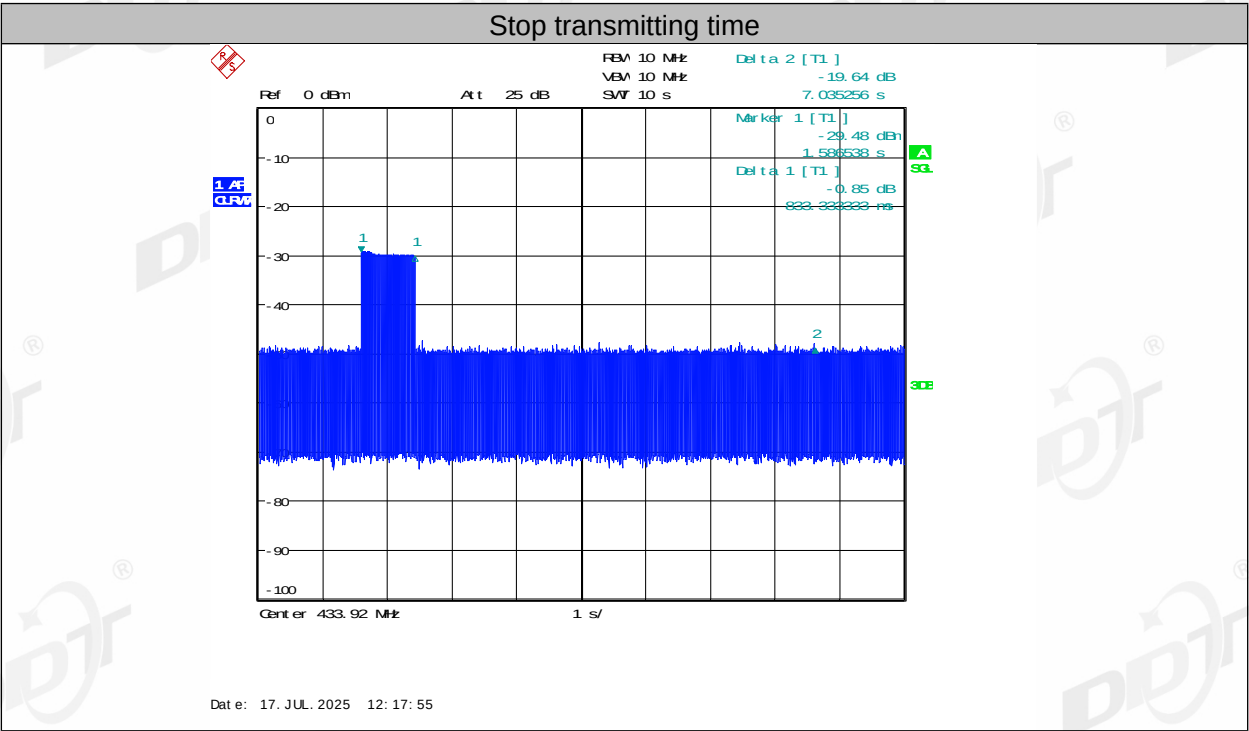
- (1) The EUT's RF signal was coupled to spectrum analyzer by antenna connected to spectrum analyzer.
- (2) Set the spectrum to zero span mode, and centered of EUT frequency.
- (3) Measure the stop transmitting time after release EUT button.

6.4. Test result

Test Engineer:	Huang Yanwen	Test Site:	RF Measurement System 2#
Ambient Condition:	23.5 °C, 55%RH	Test Date:	2025/7/17 - 2025/7/17
Test Power Supply:	Battery	Sample Number:	S25070210-004

Frequency [MHz]	Burst Duration [s]	Limit [s]	Verdict
433.92	0.833	≤5	PASS

6.5. Test graphs



7. Antenna Requirements

7.1. 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.

For intentional device, according to RSS-Gen issue 5 section 6.8.

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

7.2. 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.

8. Radiated Emission

8.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2026/03/28
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/03/28
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/25
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2026/08/11
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28

8.2. Block diagram of test setup

8.3. Limits

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5

8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.G
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

RSS-Gen section 8.10 Restricted frequency bands*

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	240-285	3.5-4.4
0.495-0.505	12.57675-12.57725	322-335.4	4.5-5.15
2.1735-2.1905	13.36-13.41	399.9-410	5.35-5.46
3.020-3.026	16.42-16.423	608-614	7.25-7.75
4.125-4.128	16.69475-16.69525	960-1427	8.025-8.5
4.1772&4.17775	16.80425-16.80475	1435-1626.5	9.0-9.2
4.2072&4.20775	25.5-25.67	1645.5-1646.5	9.3-9.5
5.677-5.683	37.5-38.25	1660-1710	10.6-12.7
6.215-6.218	73-74.6	1718.8-1722.2	13.25-13.4
6.26775-6.26825	74.8-75.2	2200-2300	14.47-14.5
6.31175-6.31225	108-138	2310-2390	15.35-16.2
8.291-8.294	149.9-150.05	2483.5-2500	17.7-21.4
8.362-8.366	156.52475-156.52525	2655-2900	22.01-23.12
8.37625-8.38675	156.7-156.9	3260-3267	23.6-24.0
8.41425-8.41475	162.0125-167.17	3332-3339	31.2-31.8
12.29-12.293	167.72-173.2	3345.8-3358	36.43-36.5
			Above 38.6

* Certain frequency bands listed in table and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(2) FCC 15.209 Limit.

FREQUENCY	DISTANCE	FIELD STRENGTHS LIMIT	
MHz	Meters	uV/m	dB(uV)/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 ~ 30.0	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
Above 1000	3	74.0 dB(uV)/m (Peak) 54.0 dB(uV)/m (Average)	

Note:

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

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

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

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

(3) Limit for this EUT

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions include fundamental emission shall not exceed FCC 15.231 section (e) limit of comply with FCC 15.209 limit which permit higher emission level.

RSS-210 Issue 9 Annex D

(b) exceed 11,000 $\mu\text{V/m}$ measured at 3 m with an average detector. The peak level of any emission within this specified frequency band shall not exceed 55,000 $\mu\text{V/m}$ measured at 3 m; and

(c) The field strength of emissions on any frequencies outside this specified band shall not exceed the general field strength limits specified in RSS-Gen.

8.4. Assistant equipment used for test

Assistant	Manufacturer	Model number	Description	other
-----------	--------------	--------------	-------------	-------

equipment				
/	/	/	/	/

8.5. 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 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

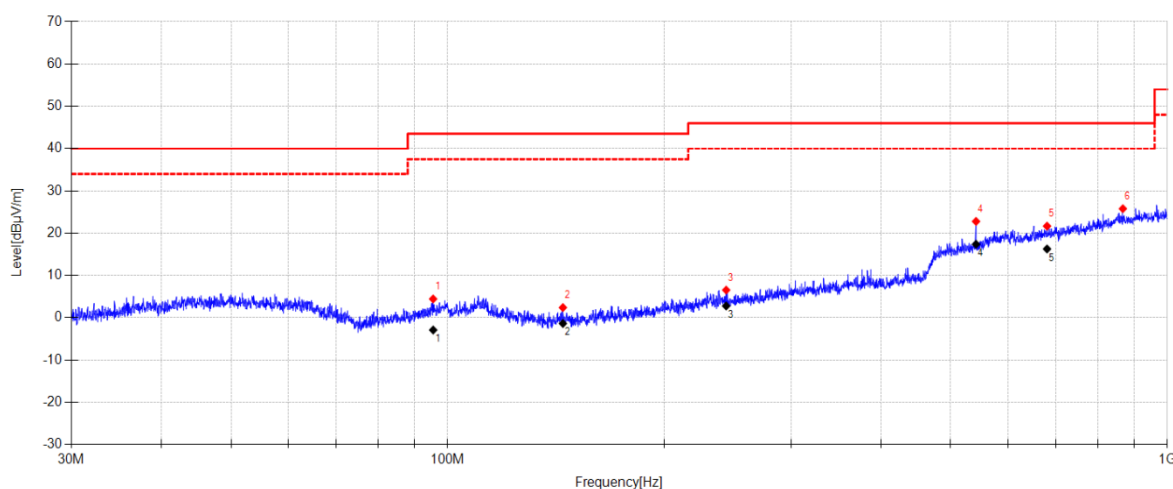
8.6. Test result

PASS. (See below detailed test result)

8.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-26 **Tested By:** Nan Zhong
EUT: Remote control **Model Number:** NG1118-01
Test Mode: SRD TX 433.92MHz Mode **Power Supply:** Battery
Condition: Temp:24.2°C;Humi:45.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070210-2E\FCC BELOW 1G 433\26
Memo: Sample Numbre:S25070210-004



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	95.472	21.91	10.67	4.16	-32.30	4.44	43.50	39.06	PK	Horizontal
2	144.59	22.01	8.42	4.31	-32.34	2.40	43.50	41.10	PK	Horizontal
3	243.78	22.06	12.12	4.76	-32.40	6.54	46.00	39.46	PK	Horizontal
4	542.19	32.20	17.22	6.07	-32.71	22.78	46.00	23.22	PK	Horizontal
5	680.48	28.69	19.50	6.52	-33.05	21.66	46.00	24.34	PK	Horizontal
6	867.32	29.50	21.38	7.00	-32.10	25.78	46.00	20.22	PK	Horizontal

Final Data List

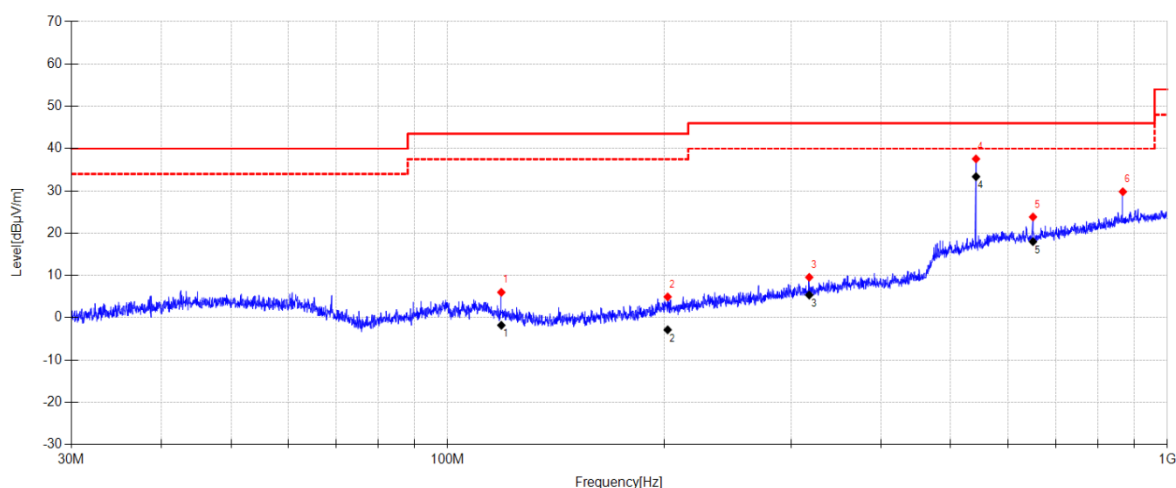
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	95.472	14.56	10.67	4.16	-2.91	43.50	46.41	QP	Horizontal
2	144.593	18.25	8.42	4.31	-1.36	43.50	44.86	QP	Horizontal
3	243.788	18.3	12.12	4.76	2.78	46.00	43.22	QP	Horizontal
4	542.199	26.8	17.22	6.07	17.38	46.00	28.62	QP	Horizontal
5	680.489	23.29	19.50	6.52	16.26	46.00	29.74	QP	Horizontal
6	867.328	25.78	/	/	18.51	60.83	42.32	AV	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.
4. AV Level= PK Level+ Duty factor =PK-7.27

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-26 **Tested By:** Nan Zhong
EUT: Remote control **Model Number:** NG1118-01
Test Mode: SRD TX 433.92MHz Mode **Power Supply:** Battery
Condition: Temp:24.2°C;Humi:45.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070210-2E\FCC BELOW 1G 433\27
Memo: Sample Numbler:S25070210-004



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	118.73	24.08	10.01	4.24	-32.32	6.01	43.50	37.49	PK	Vertical
2	202.16	21.81	11.04	4.48	-32.40	4.93	43.50	38.57	PK	Vertical
3	317.99	22.73	14.04	5.22	-32.42	9.57	46.00	36.43	PK	Vertical
4	542.19	46.98	17.22	6.07	-32.71	37.56	46.00	8.44	PK	Vertical
5	650.62	30.97	19.41	6.43	-32.98	23.83	46.00	22.17	PK	Vertical
6	867.32	33.52	21.38	7.00	-32.10	29.80	46.00	16.20	PK	Vertical

Final Data List

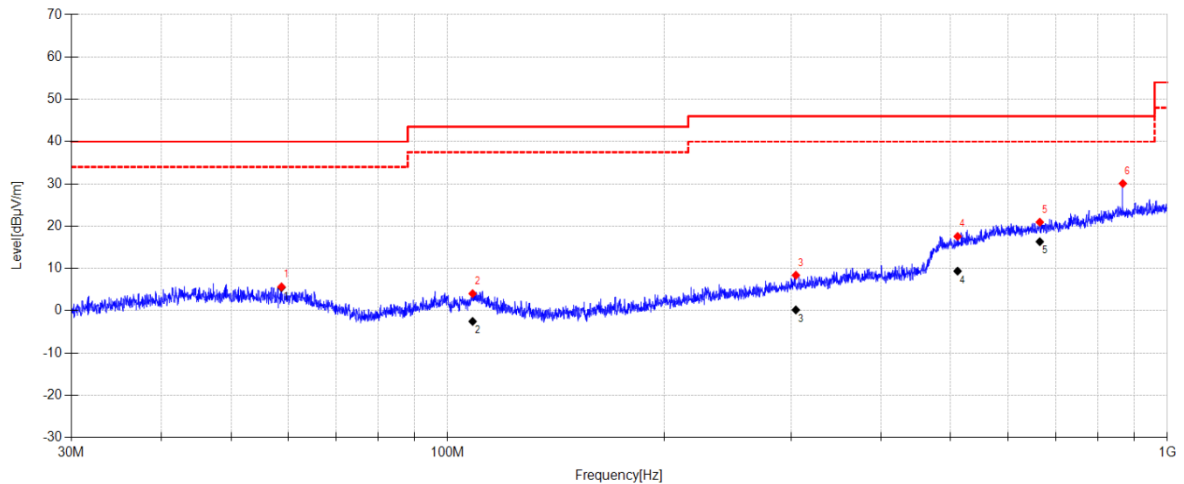
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	118.735	16.29	10.01	4.24	-1.78	43.50	45.28	QP	Vertical
2	202.165	14.02	11.04	4.48	-2.86	43.50	46.36	QP	Vertical
3	317.997	18.53	14.04	5.22	5.37	46.00	40.63	QP	Vertical
4	542.199	42.78	17.22	6.07	33.36	46.00	12.64	QP	Vertical
5	650.627	25.13	19.41	6.43	17.99	46.00	28.01	QP	Vertical
6	867.328	29.80	/	/	22.53	60.83	38.30	AV	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.
4. AV Level= PK Level+ Duty factor =PK-7.27

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-16 **Tested By:** Nan Zhong
EUT: Remote control **Model Number:** NG1118-02
Test Mode: SRD TX 433.92MHz Mode **Power Supply:** Battery
Condition: Temp:24.2°C;Humi:45.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070210-2\FCC BELOW 1G 433\8
Memo: Sample Numbler:S25070210-004

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	58.769	21.55	12.46	3.94	-32.30	5.65	40.00	34.35	PK	Horizontal
2	108.31	20.42	11.72	4.21	-32.31	4.04	43.50	39.46	PK	Horizontal
3	304.68	21.76	13.88	5.16	-32.40	8.40	46.00	37.60	PK	Horizontal
4	511.18	27.55	16.70	5.95	-32.63	17.57	46.00	28.43	PK	Horizontal
5	664.92	28.00	19.49	6.47	-33.01	20.95	46.00	25.05	PK	Horizontal
6	867.32	33.80	21.38	7.00	-32.10	30.08	46.00	15.92	PK	Horizontal

Final Data List

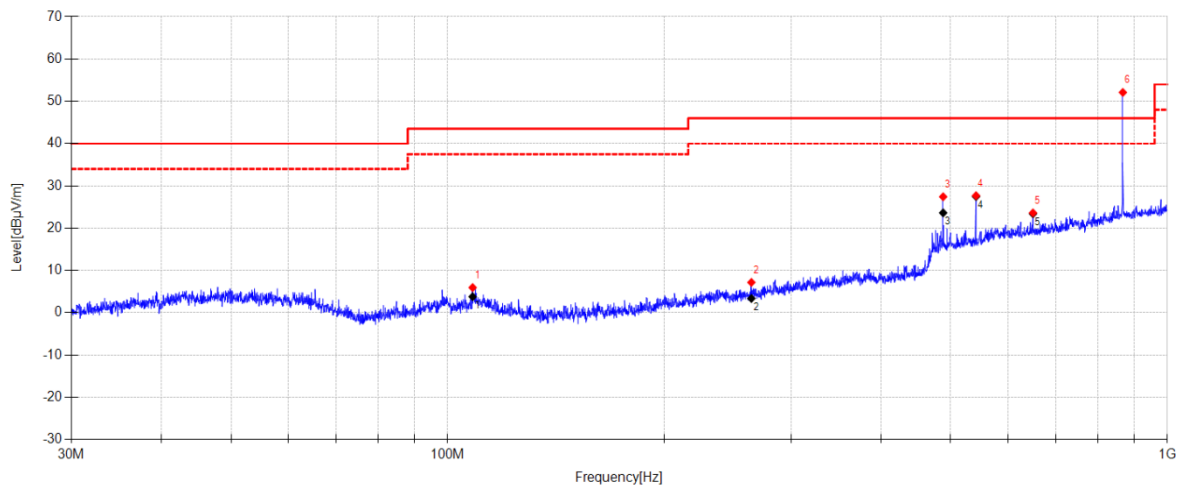
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	58.769	21.39	12.46	3.94	5.49	40.00	34.51	QP	Horizontal
2	108.315	13.85	11.72	4.21	-2.53	43.50	46.03	QP	Horizontal
3	304.682	13.55	13.88	5.16	0.19	46.00	45.81	QP	Horizontal
4	511.186	19.34	16.70	5.95	9.36	46.00	36.64	QP	Horizontal
5	664.925	23.38	19.49	6.47	16.33	46.00	29.67	QP	Horizontal
6	867.328	30.08	/	/	22.81	60.83	38.02	AV	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.
4. AV Level= PK Level+ Duty factor =PK-7.27

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-16 **Tested By:** Nan Zhong
EUT: Remote control **Model Number:** NG1118-02
Test Mode: SRD TX 433.92MHz Mode **Power Supply:** Battery
Condition: Temp:24.2°C;Humi:45.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070210-2E\FCC BELOW 1G 433\9
Memo: Sample Numbler:S25070210-004



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	108.31	22.33	11.72	4.21	-32.31	5.95	43.50	37.55	PK	Vertical
2	264.26	22.30	12.37	4.90	-32.40	7.17	46.00	38.83	PK	Vertical
3	488.06	37.59	16.55	5.87	-32.59	27.42	46.00	18.58	PK	Vertical
4	542.19	37.10	17.22	6.07	-32.71	27.68	46.00	18.32	PK	Vertical
5	650.62	30.75	19.41	6.43	-32.98	23.61	46.00	22.39	PK	Vertical
6	867.32	55.82	21.38	7.00	-32.10	52.10	46.00	-6.10	PK	Vertical

Final Data List

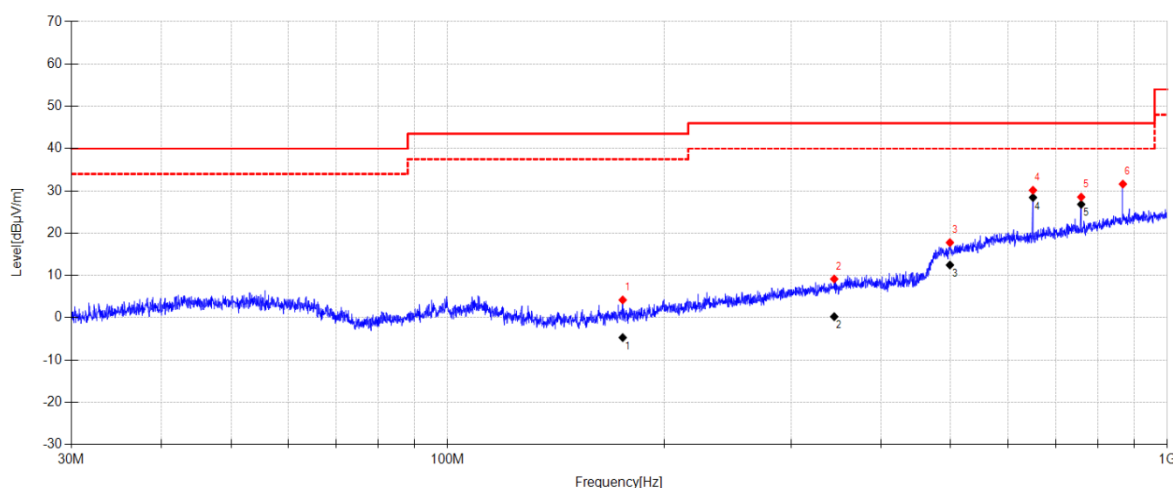
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	108.315	20.17	11.72	4.21	3.79	43.50	39.71	QP	Vertical
2	264.260	18.5	12.37	4.90	3.37	46.00	42.63	QP	Vertical
3	488.069	33.79	16.55	5.87	23.62	46.00	22.38	QP	Vertical
4	542.199	36.89	17.22	6.07	27.47	46.00	18.53	QP	Vertical
5	650.627	30.54	19.41	6.43	23.40	46.00	22.60	QP	Vertical
6	867.328	52.10	/	/	44.83	60.83	16.00	AV	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.
4. AV Level= PK Level+ Duty factor =PK-7.27

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-16 **Tested By:** Nan Zhong
EUT: Remote control **Model Number:** NG1118-06
Test Mode: SRD TX 433.92MHz Mode **Power Supply:** Battery
Condition: Temp:24.2°C;Humi:45.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070210-2E\FCC BELOW 1G 433\10
Memo: Sample Numbler:S25070210-004

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	175.09	23.19	8.99	4.40	-32.38	4.20	43.50	39.30	PK	Horizontal
2	344.45	21.53	14.74	5.33	-32.44	9.16	46.00	36.84	PK	Horizontal
3	498.79	27.35	17.11	5.91	-32.60	17.77	46.00	28.23	PK	Horizontal
4	650.62	37.29	19.41	6.43	-32.98	30.15	46.00	15.85	PK	Horizontal
5	759.14	34.67	19.87	6.75	-32.75	28.54	46.00	17.46	PK	Horizontal
6	867.32	35.33	21.38	7.00	-32.10	31.61	46.00	14.39	PK	Horizontal

Final Data List

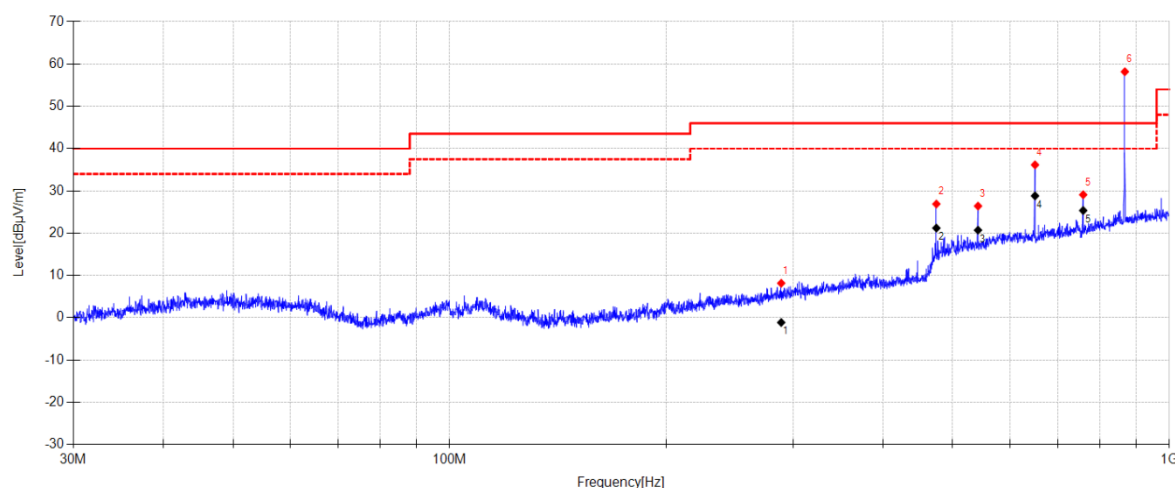
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	175.098	14.29	8.99	4.40	-4.70	43.50	48.20	QP	Horizontal
2	344.459	12.63	14.74	5.33	0.26	46.00	45.74	QP	Horizontal
3	498.794	22.04	17.11	5.91	12.46	46.00	33.54	QP	Horizontal
4	650.627	35.57	19.41	6.43	28.43	46.00	17.57	QP	Horizontal
5	759.147	32.95	19.87	6.75	26.82	46.00	19.18	QP	Horizontal
6	867.328	31.61	/	/	24.34	60.83	36.49	AV	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.
4. AV Level= PK Level+ Duty factor =PK-7.27

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-16 **Tested By:** Nan Zhong
EUT: Remote control **Model Number:** NG1118-06
Test Mode: SRD TX 433.92MHz Mode **Power Supply:** Battery
Condition: Temp:24.2°C;Humi:45.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070210-2E\FCC BELOW 1G 433\11
Memo: Sample Numbler:S25070210-004



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	288.87	22.39	13.10	5.07	-32.40	8.16	46.00	37.84	PK	Vertical
2	474.57	37.28	16.37	5.82	-32.57	26.90	46.00	19.10	PK	Vertical
3	542.19	35.83	17.22	6.07	-32.71	26.41	46.00	19.59	PK	Vertical
4	650.62	43.29	19.41	6.43	-32.98	36.15	46.00	9.85	PK	Vertical
5	759.14	35.22	19.87	6.75	-32.75	29.09	46.00	16.91	PK	Vertical
6	867.32	61.90	21.38	7.00	-32.10	58.18	46.00	-12.18	PK	Vertical

Final Data List

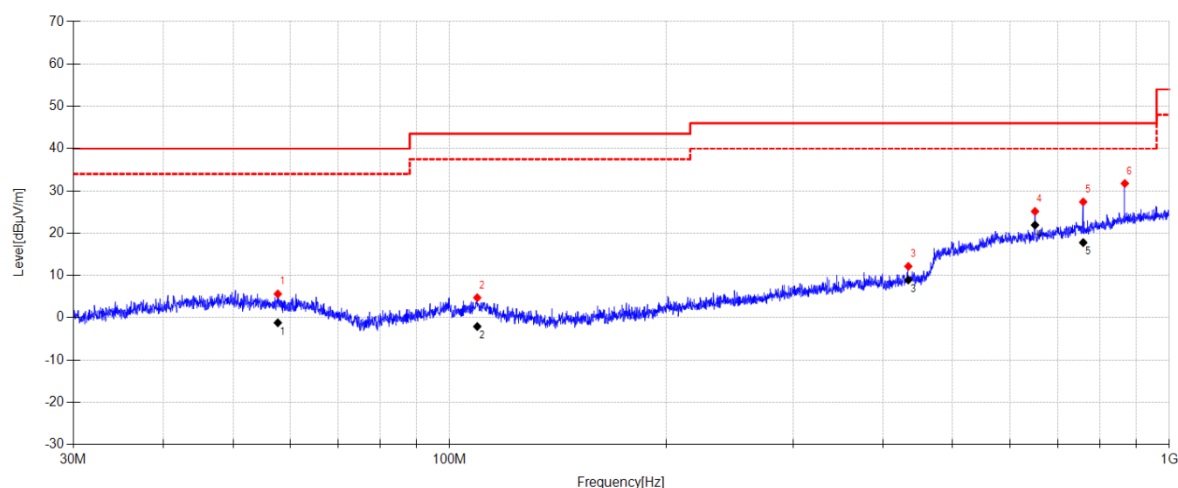
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	288.871	13.11	13.10	5.07	-1.12	46.00	47.12	QP	Vertical
2	474.570	31.58	16.37	5.82	21.20	46.00	24.80	QP	Vertical
3	542.199	30.13	17.22	6.07	20.71	46.00	25.29	QP	Vertical
4	650.627	35.96	19.41	6.43	28.82	46.00	17.18	QP	Vertical
5	759.147	31.48	19.87	6.75	25.35	46.00	20.65	QP	Vertical
6	867.328	58.18	/	/	50.91	60.83	9.92	AV	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.
4. AV Level= PK Level+ Duty factor =PK-7.27

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-16 **Tested By:** Nan Zhong
EUT: Remote control **Model Number:** NG1118-16
Test Mode: SRD TX 433.92MHz Mode **Power Supply:** Battery
Condition: Temp:24.2°C;Humi:45.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070210-2E\FCC BELOW 1G 433\12
Memo: Sample Numbler:S25070210-004



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	57.708	21.08	12.91	3.93	-32.30	5.62	40.00	34.38	PK	Horizontal
2	109.23	20.70	12.13	4.22	-32.31	4.74	43.50	38.76	PK	Horizontal
3	433.83	22.89	16.11	5.68	-32.53	12.15	46.00	33.85	PK	Horizontal
4	650.62	32.28	19.41	6.43	-32.98	25.14	46.00	20.86	PK	Horizontal
5	759.14	33.53	19.87	6.75	-32.75	27.40	46.00	18.60	PK	Horizontal
6	867.32	35.47	21.38	7.00	-32.10	31.75	46.00	14.25	PK	Horizontal

Final Data List

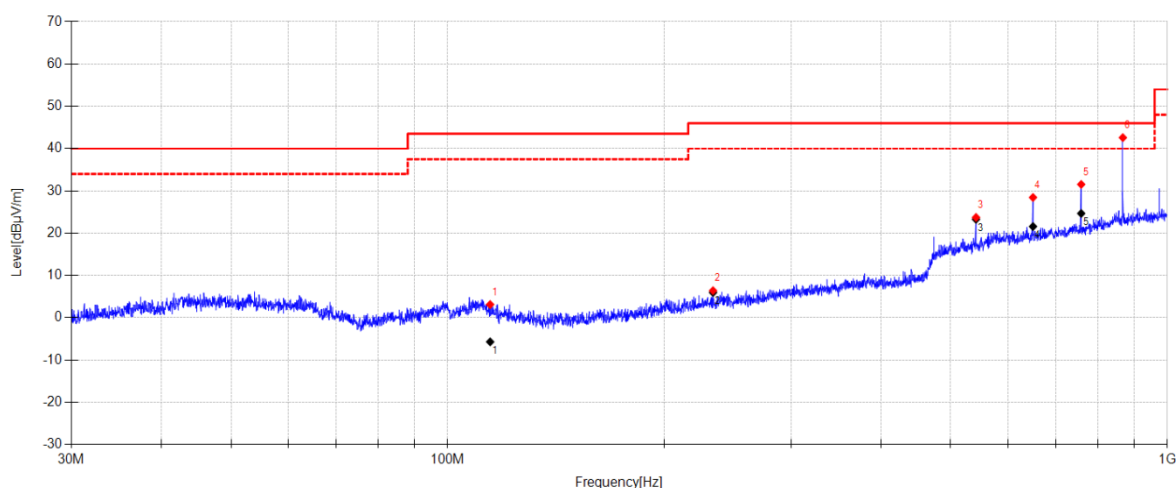
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	57.708	14.27	12.91	3.93	-1.19	40.00	41.19	QP	Horizontal
2	109.230	13.89	12.13	4.22	-2.07	43.50	45.57	QP	Horizontal
3	433.833	19.67	16.11	5.68	8.93	46.00	37.07	QP	Horizontal
4	650.627	29.06	19.41	6.43	21.92	46.00	24.08	QP	Horizontal
5	759.147	23.9	19.87	6.75	17.77	46.00	28.23	QP	Horizontal
6	867.328	31.75	/	/	24.48	60.83	36.35	AV	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.
4. AV Level= PK Level+ Duty factor =PK-7.27

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-16 **Tested By:** Nan Zhong
EUT: Remote control **Model Number:** NG1118-16
Test Mode: SRD TX 433.92MHz Mode **Power Supply:** Battery
Condition: Temp:24.2°C;Humi:45.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070210-2E\FCC BELOW 1G 433\13
Memo: Sample Numbler:S25070210-004

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	114.56	20.37	10.83	4.23	-32.31	3.12	43.50	40.38	PK	Vertical
2	233.74	22.43	11.68	4.70	-32.40	6.41	46.00	39.59	PK	Vertical
3	542.19	33.14	17.22	6.07	-32.71	23.72	46.00	22.28	PK	Vertical
4	650.62	35.58	19.41	6.43	-32.98	28.44	46.00	17.56	PK	Vertical
5	759.14	37.66	19.87	6.75	-32.75	31.53	46.00	14.47	PK	Vertical
6	867.32	46.31	21.38	7.00	-32.10	42.59	46.00	3.41	PK	Vertical

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	114.564	11.55	10.83	4.23	-5.70	43.50	49.20	QP	Vertical
2	233.744	21.98	11.68	4.70	5.96	46.00	40.04	QP	Vertical
3	542.199	32.69	17.22	6.07	23.27	46.00	22.73	QP	Vertical
4	650.627	28.71	19.41	6.43	21.57	46.00	24.43	QP	Vertical
5	759.147	30.79	19.87	6.75	24.66	46.00	21.34	QP	Vertical
6	867.328	42.59	/	/	35.32	60.83	25.51	AV	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.
4. AV Level= PK Level+ Duty factor =PK-7.27

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-08-16

Tested By:

Nan Zhong

EUT:

Remote control

Model Number:

NG1118-16

Test Mode:

SRD TX 433.92MHz Mode

Power Supply:

Battery

Condition:

Temp:24.2°C;Humi:45.2%

Test Site:

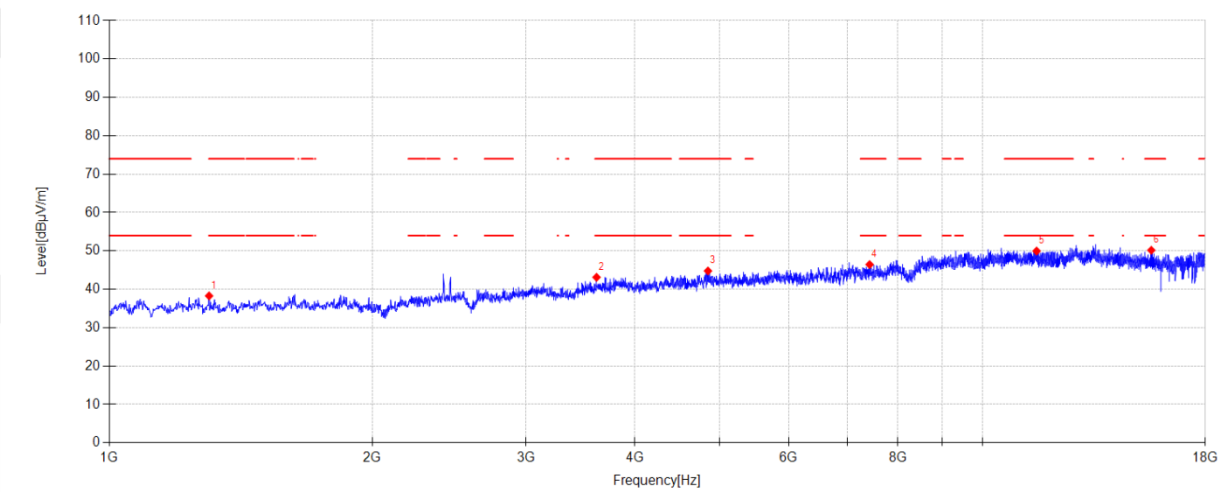
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25070210-2E\FCC ABOVE 1G 433\5

Memo:

Sample Numbre:S25070210-004



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1300.900	47.46	24.60	3.39	-37.17	38.28	74.00	35.72	PK	Horizontal
2	3614.600	47.54	30.06	5.12	-39.59	43.13	74.00	30.87	PK	Horizontal
3	4848.800	45.06	33.77	5.56	-39.61	44.78	74.00	29.22	PK	Horizontal
4	7426.000	43.74	36.65	6.67	-40.62	46.44	74.00	27.56	PK	Horizontal
5	11534.900	41.90	39.13	8.47	-39.53	49.97	74.00	24.03	PK	Horizontal
6	15609.800	41.10	38.59	9.89	-39.40	50.18	74.00	23.82	PK	Horizontal

Note:

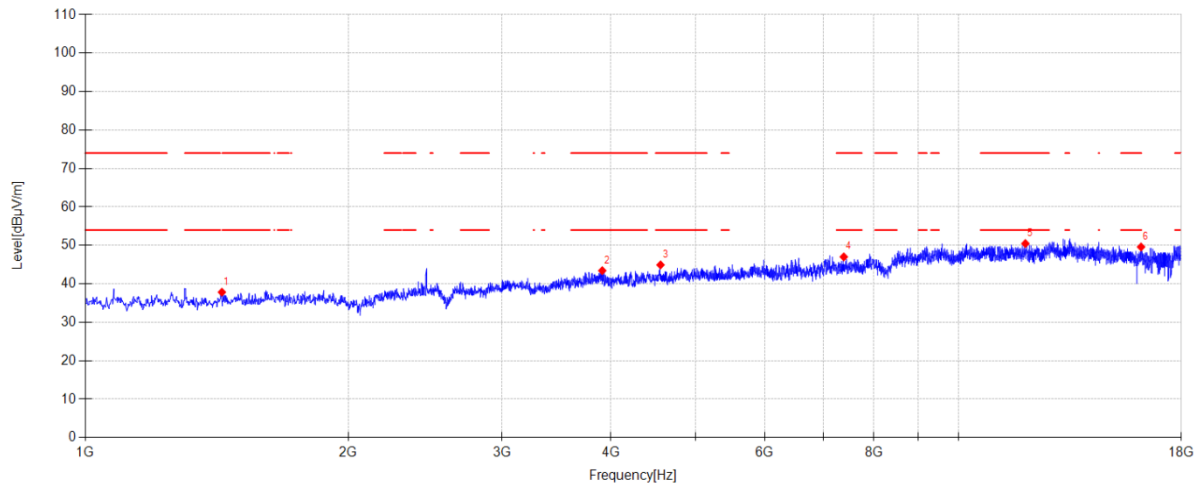
1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-16 **Tested By:** Nan Zhong
EUT: Remote control **Model Number:** NG1118-16
Test Mode: SRD TX 433.92MHz Mode **Power Supply:** Battery
Condition: Temp:24.2°C;Humi:45.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070210-2E\FCC ABOVE 1G 433\6
Memo: Sample Numbler:S25070210-004

**Suspected Data List**

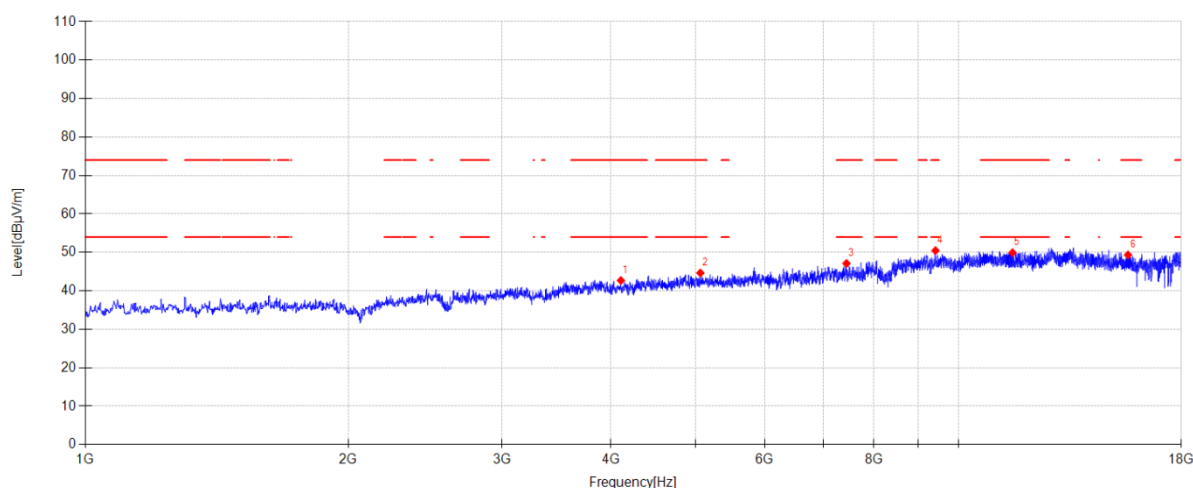
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1433.500	46.34	25.23	3.62	-37.36	37.83	-	-	PK	Vertical
2	3908.700	46.84	31.18	5.07	-39.66	43.43	74.00	30.57	PK	Vertical
3	4558.100	47.28	31.90	5.38	-39.64	44.92	74.00	29.08	PK	Vertical
4	7390.300	44.29	36.72	6.65	-40.65	47.01	74.00	26.99	PK	Vertical
5	11931.000	42.69	38.99	8.72	-39.93	50.47	74.00	23.53	PK	Vertical
6	16186.100	41.12	37.81	10.19	-39.53	49.59	74.00	24.41	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-16 **Tested By:** Nan Zhong
EUT: Remote control **Model Number:** NG1118-06
Test Mode: SRD TX 433.92MHz Mode **Power Supply:** Battery
Condition: Temp:24.2°C;Humi:45.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070210-2E\FCC ABOVE 1G 433\7
Memo: Sample Numbler:S25070210-004

**Suspected Data List**

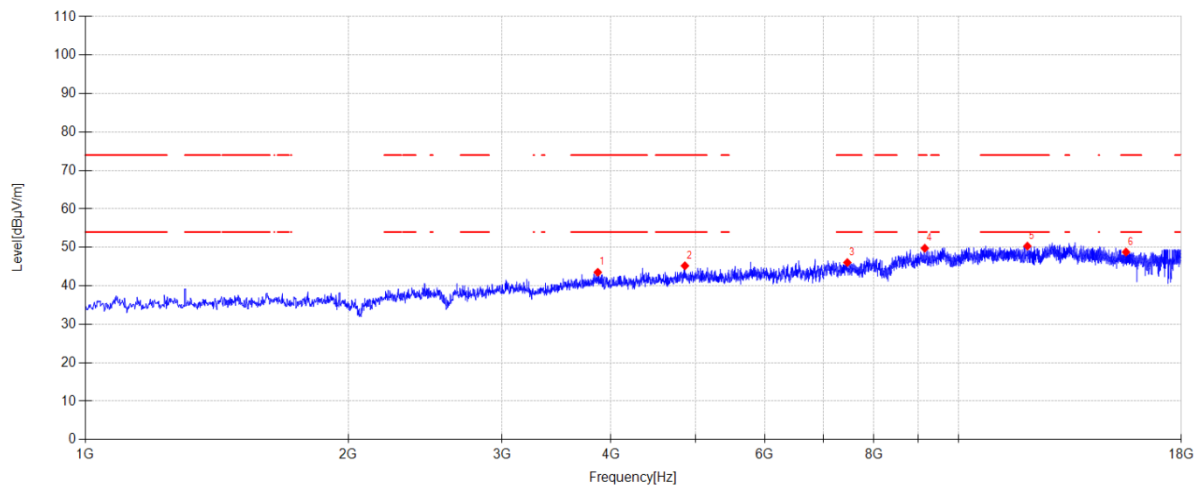
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4105.900	46.14	31.11	5.11	-39.67	42.69	74.00	31.31	PK	Horizontal
2	5063.000	45.23	33.33	5.68	-39.60	44.64	74.00	29.36	PK	Horizontal
3	7443.000	44.44	36.61	6.67	-40.60	47.12	74.00	26.88	PK	Horizontal
4	9411.600	43.45	38.70	7.44	-39.13	50.46	74.00	23.54	PK	Horizontal
5	11533.200	41.86	39.13	8.47	-39.53	49.93	74.00	24.07	PK	Horizontal
6	15638.700	40.26	38.56	9.91	-39.40	49.33	74.00	24.67	PK	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-16 **Tested By:** Nan Zhong
EUT: Remote control **Model Number:** NG1118-06
Test Mode: SRD TX 433.92MHz Mode **Power Supply:** Battery
Condition: Temp:24.2°C;Humi:45.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070210-2E\FCC ABOVE 1G 433\8
Memo: Sample Numbler:S25070210-004

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3862.800	47.12	30.98	5.07	-39.65	43.52	74.00	30.48	PK	Vertical
2	4860.700	45.62	33.63	5.57	-39.61	45.21	74.00	28.79	PK	Vertical
3	7460.000	43.39	36.58	6.68	-40.59	46.06	74.00	27.94	PK	Vertical
4	9151.500	42.84	38.50	7.35	-38.92	49.77	74.00	24.23	PK	Vertical
5	11993.900	42.38	39.18	8.76	-39.99	50.33	74.00	23.67	PK	Vertical
6	15555.400	39.64	38.69	9.85	-39.40	48.78	74.00	25.22	PK	Vertical

Note:

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

9. Field Strength Of The Fundamental Signal

9.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2026/03/28
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/03/28
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/25
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2026/08/11
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28

9.2. Block diagram of test setup

9.3. Limits

(3) FCC 15.231 section (a) limit

Fundamental Frequency (MHz)	Field Strength of Fundamental
433.92	AV: 80.83 dBuV/m @3m PK: 100.83dBuV/m @3m

9.4. Assistant equipment used for test

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

9.5. 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 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.

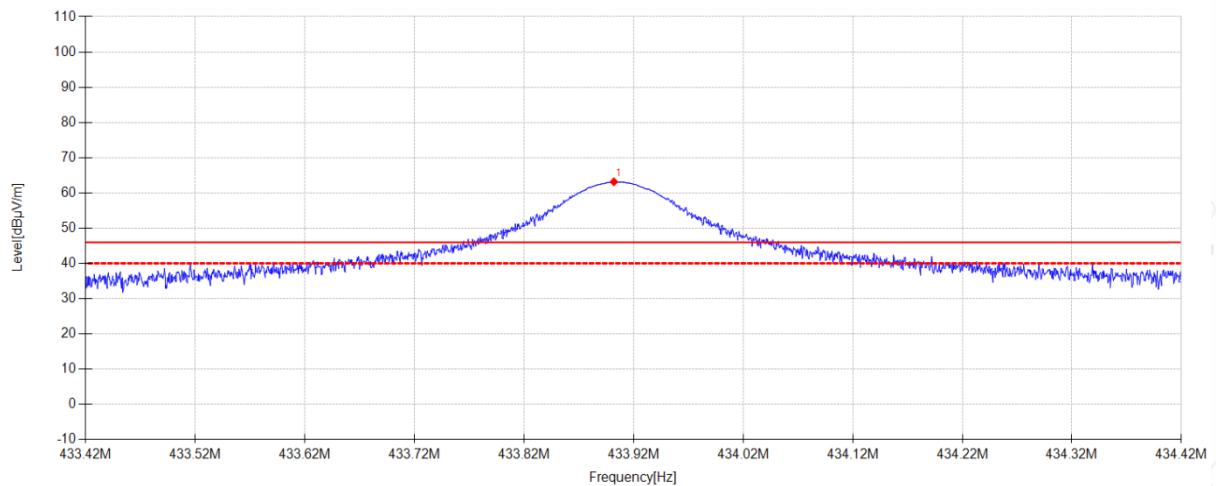
Frequency band	RBW
30MHz-1GHz	120kHz

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

9.6. Test result

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-26 **Tested By:** Nan Zhong
EUT: Remote **Model Number:** NG1118-06
Test Mode: SRD TX 433.92MHz Mode **Power Supply:** Battery
Condition: Temp:24.2°C;Humi:45.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070210-2E\FCC BELOW 1G 433\22
Memo: Sample Numbler:S25070210-004



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	433.902	41.37	16.11	5.68	0.00	63.16	100.83	37.67	PK	Horizontal

Final Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	433.902	63.16	/	/	/	55.89	80.83	24.94	AV	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.
4. AV Level= PK Level+ Duty factor =PK-7.27

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-08-26

Tested By:

Nan Zhong

EUT:

Remote

Model Number:

NG1118-06

Test Mode:

SRD TX 433.92MHz Mode

Power Supply:

Battery

Condition:

Temp:24.2°C;Humi:45.2%

Test Site:

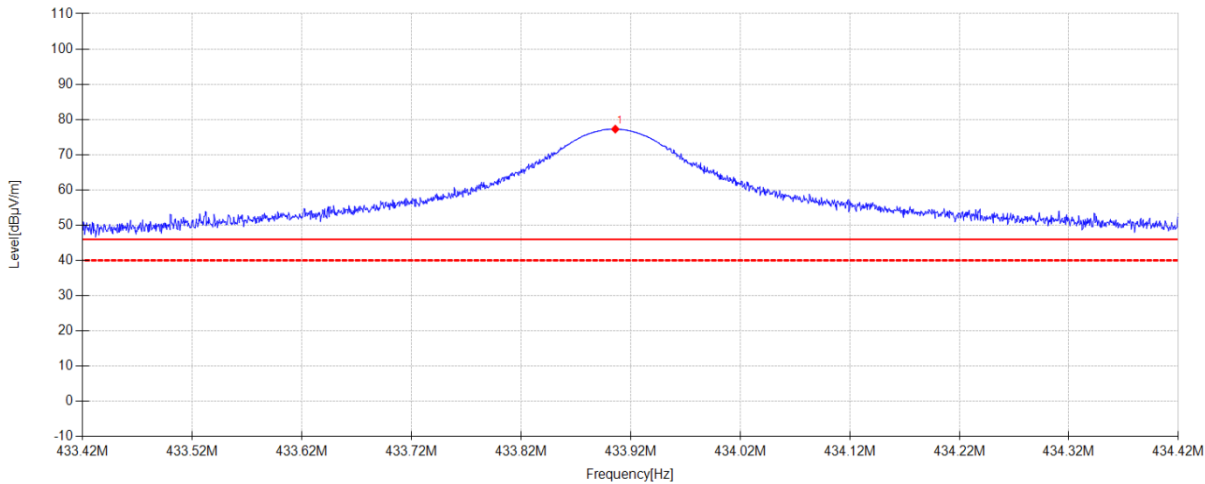
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25070210-2E\FCC BELOW 1G 433\23

Memo:

Sample Numbler:S25070210-004



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	433.906	55.46	16.11	5.68	0.00	77.25	100.83	23.58	PK	Vertical

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	433.906	77.25	/	/	/	69.98	80.83	10.85	AV	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.

4. AV Level= PK Level+ Duty factor =PK-7.27

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-08-16

Tested By:

Nan Zhong

EUT:

Remote

Model Number:

NG1118-16

Test Mode:

SRD TX 433.92MHz Mode

Power Supply:

Battery

Condition:

Temp:24.2°C;Humi:45.2%

Test Site:

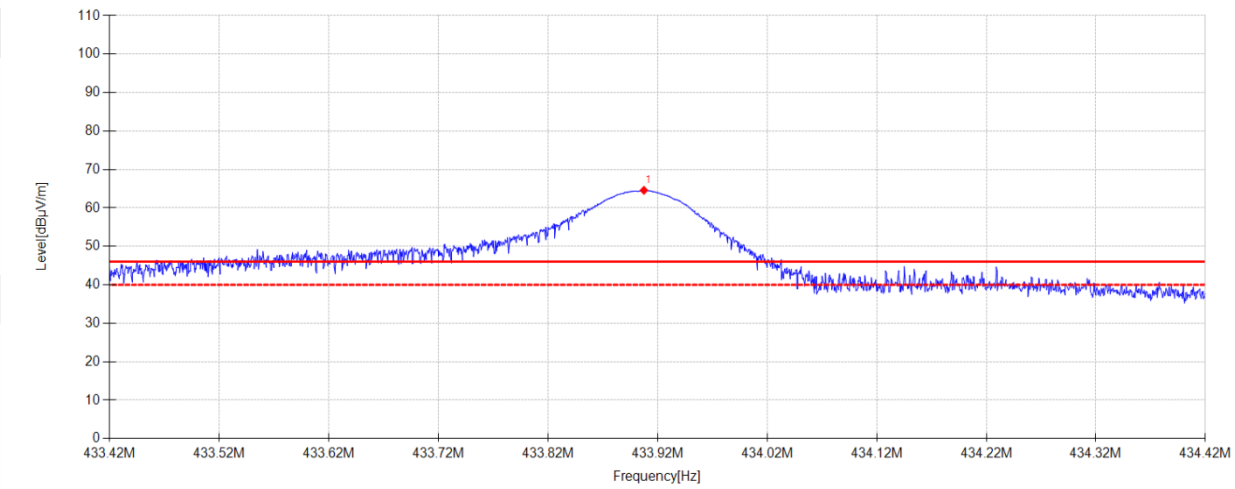
DDT 3# Chamber

File Path:

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Memo:

Sample Numbler:S25070210-004



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	433.908	42.80	16.11	5.68	0.00	64.59	100.83	36.24	PK	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	433.908	64.59	/	/	/	57.32	80.83	23.51	AV	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.
4. AV Level= PK Level+ Duty factor =PK-7.27

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-08-16

Tested By:

Nan Zhong

EUT:

Remote

Model Number:

NG1118-16

Test Mode:

SRD TX 433.92MHz Mode

Power Supply:

Battery

Condition:

Temp:24.2°C;Humi:45.2%

Test Site:

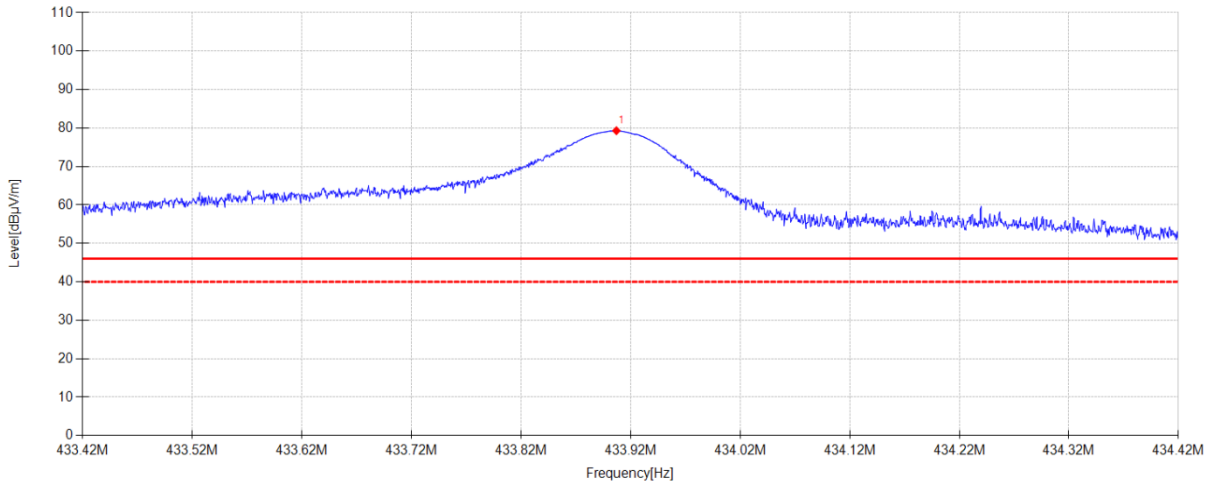
DDT 3# Chamber

File Path:

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Memo:

Sample Numbler:S25070210-004



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	433.907	57.52	16.11	5.68	0.00	79.31	100.83	21.52	PK	Vertical

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	433.907	79.31	/	/	/	72.04	80.83	8.79	AV	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.

4. AV Level= PK Level+ Duty factor =PK-7.27

10. Power Line Conducted Emissions

10.1. Test equipment

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

10.2. Block diagram of test setup

10.3. 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.

10.4. Assistant equipment used for test

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

10.5. 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.

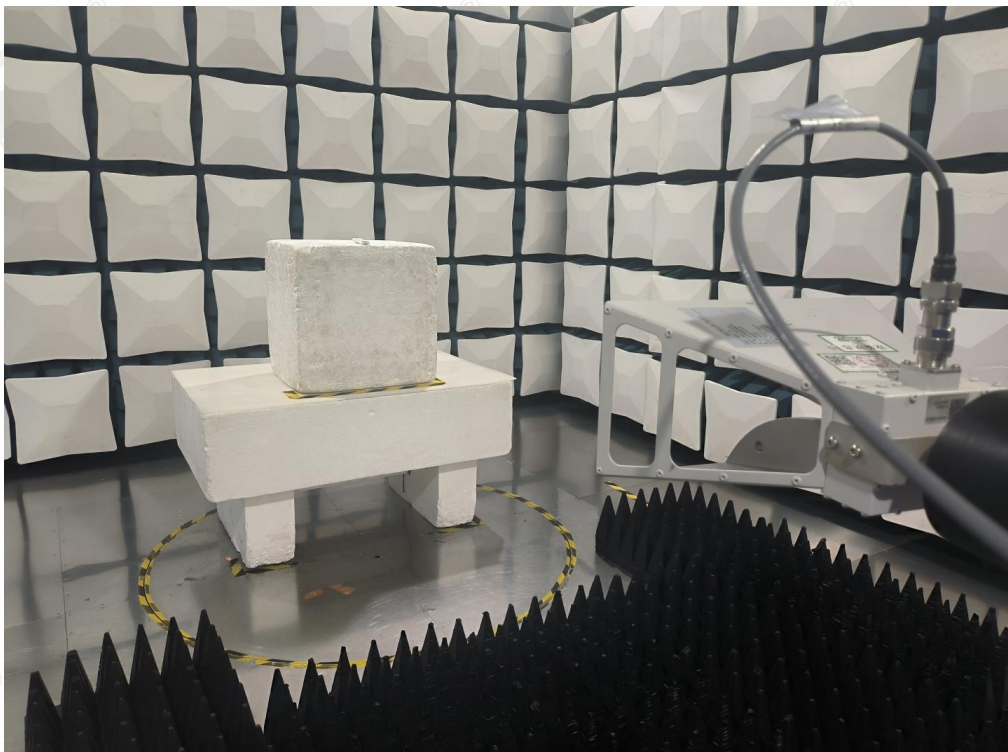
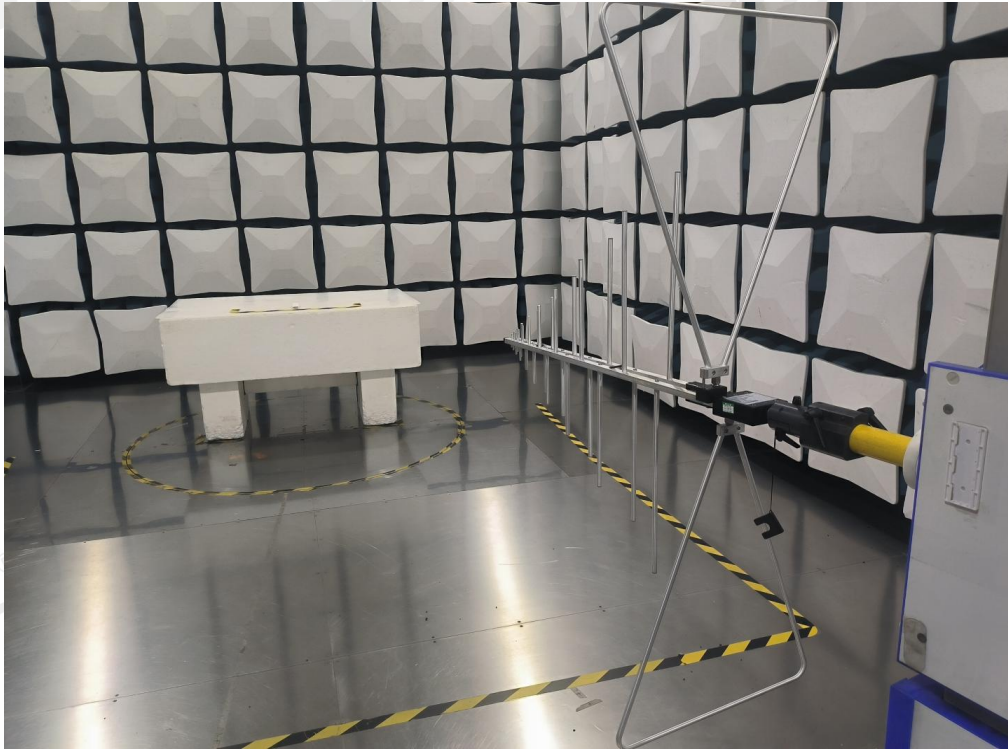
The bandwidth of test receiver is set at 9 kHz.

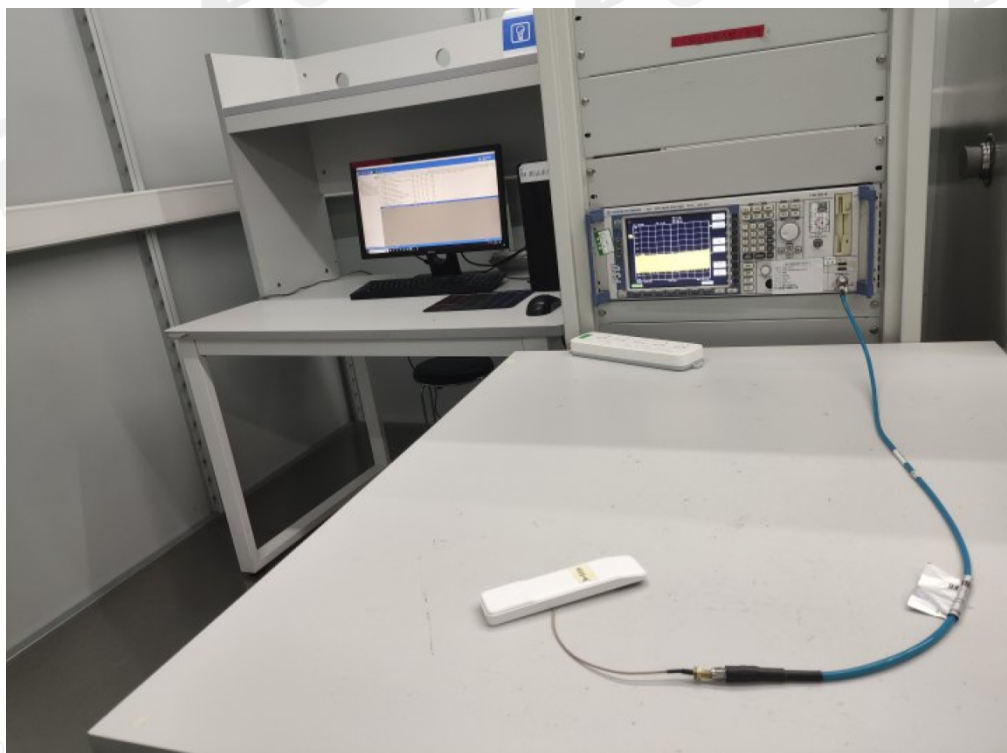
10.6. Test result

NA

This product is powered by Battery.

11. Test Setup Photograph





12. Photos of the EUT

Please refer to DDT-Q25070210-1E appendix I

-----End Report-----