FCC CERTIFICATION TEST REPORT

Applicant	:	Wuhan Duo Mei Go Technology Co., Ltd
Address of Applicant	:	Donghu New Technology Development Zone, Dangdai Technology Park Huaxia Center for Entrepreneurship Building #1 5F, Wuhan City, Hubei Province, PRC China
Manufacturer	:	Wuhan Duo Mei Go Technology Co., Ltd
Address of Manufacturer	:	Donghu New Technology Development Zone, Dangdai Technology Park Huaxia Center for Entrepreneurship Building #1 5F, Wuhan City, Hubei Province, PRC China
Equipment under Test	:	PetDog Training Collar
Model No.	:	DC-007A
FCC	:	2BLOY-DC007A
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C, ANSI C63.10:2013
Report No.	:	DDT-RE24081922-2E05
Issue Date	:	2025/05/07
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

Applicant	:	Wuhan Duo Mei Go Technology Co., Ltd
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Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C,
ANSI C63.10:2013

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-RE24081922-2E05		
Date of Receipt:	2024/10/10	**Date of Test:**	2024/10/10~2025/05/07

Created: Tiger Mo	Reviewed: Ella Gong	Approved: Damon Hu
Tiger Mo	Ella Gong	GUANGDONG DONGDIAN TESTING SERVICE CO.,LTD. 广东东电检测技术有限公司 Certificate and Report Seal 检验检测专用章
2025/05/07	2025/05/07	2025/05/07

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
---	Initial issue	2025/05/07	

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	/	Pass
2	20dB Bandwidth and 99% Bandwidth	FCC Part 15: 15.215, ANSI C63.10:2013	/	Pass
3	Stop Transmitting Time Test	FCC Part 15C: 15.231(a)(1)	/	Pass
4	Radiated Emission	FCC Part 15: 15.209, FCC Part 15: 15.231(b), ANSI C63.10:2013	/	Pass
5	Field Strength Of The Fundamental Signal	FCC Part 15: 15.209, FCC Part 15: 15.231(b), ANSI C63.10:2013	/	Pass
6	Power Line Conducted Emissions	FCC Part 15: 15.207, ANSI C63.10:2013	/	N/A
7	Antenna Requirement	FCC 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	:	PetDog Training Collar
Model Number	:	DC-007A
Difference of model number	:	/
EUT Function Description	:	Please reference user manual of this device
Power Supply	:	DC 5V powered by an external adapter or a built-in 3.7V lithium battery.
Hardware Version	:	C
Software Version	:	TXD_20240922001

Radio Technology	:	SRD
Operation frequency	:	433.91 MHz
Modulation	:	FSK

Channel information	
Channel	Frequency (MHz)
1	433.91

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
PetDog Training Collar	Wuhan Duo Mei Go Technology Co., Ltd	DC-007B	/

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:
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	/	434.91
RX mode	/	434.91

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 ℃
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

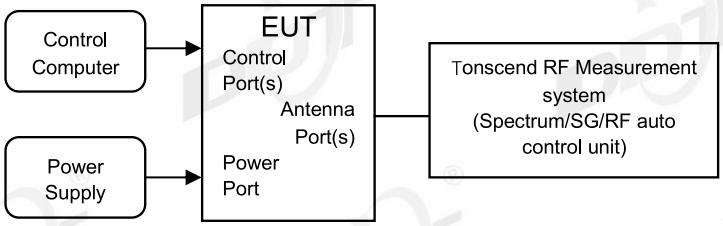
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Frequencies Stability	6.7×10^{-8} (Antenna couple method)
	5.5×10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB (10 MHz ≤ f < 3.6 GHz);
	1.40 dB (3.6 GHz ≤ f < 8 GHz)
	1.66 dB (8 GHz ≤ f < 26.5 GHz)
Uncertainty for radio frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 ℃
Humidity	2 %
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)
Uncertainty for Power line conduction emission test	3.34dB (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. On Time and Duty Cycle

3.1. Test equipment

Equipment	Manufacturer	Model No.	Serial Number	Due Date
SPECTRUM ANALYZER	R&S	FSU26	201124	2025/07/08
Power Sensor	R&S	NRP-Z22	101254	2025/07/08
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A

3.2. Block diagram of test setup



3.3. Limits

Just for report.

3.4. Assistant equipment used for test

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

3.5. Test procedure

Set the Centre frequency of the spectrum analyzer to the transmitting frequency;

Set the span=0MHz, RBW=10MHz, VBW=10MHz, Sweep time=200ms;

Trace mode = Single hold.

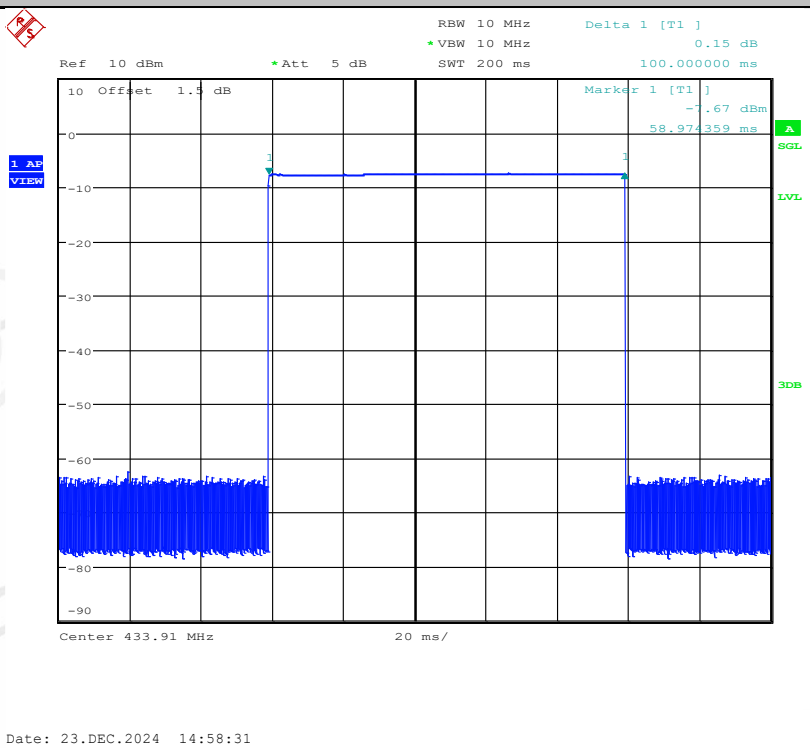
3.6. Test result

Test Channel	Duty Cycle[%]	20 log(duty cycle)
433.91	100	0

Note 1: The transmitter duty cycle was measured using a spectrum analyser in the time domain and calculated by below Equation:
δ(dB) = 20log(Δ)= 20 log(100/100)= 0dB
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

3.7. Test graphs

Duty Cycle

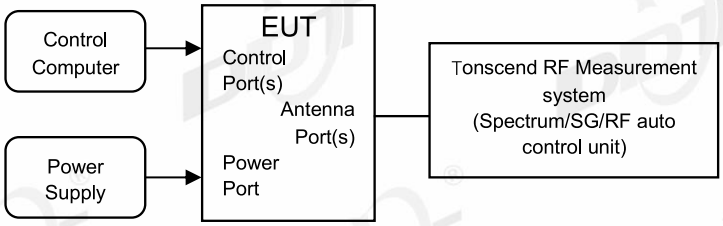


4. 20dB Bandwidth and 99% Bandwidth

4.1. Test equipment

Equipment	Manufacturer	Model No.	Serial Number	Due Date
SPECTRUM ANALYZER	R&S	FSU26	201124	2025/07/08
Power Sensor	R&S	NRP-Z22	101254	2025/07/08
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A

4.2. Block diagram of test setup



4.3. 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.

4.4. Assistant equipment used for test

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

4.5. Test procedure

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

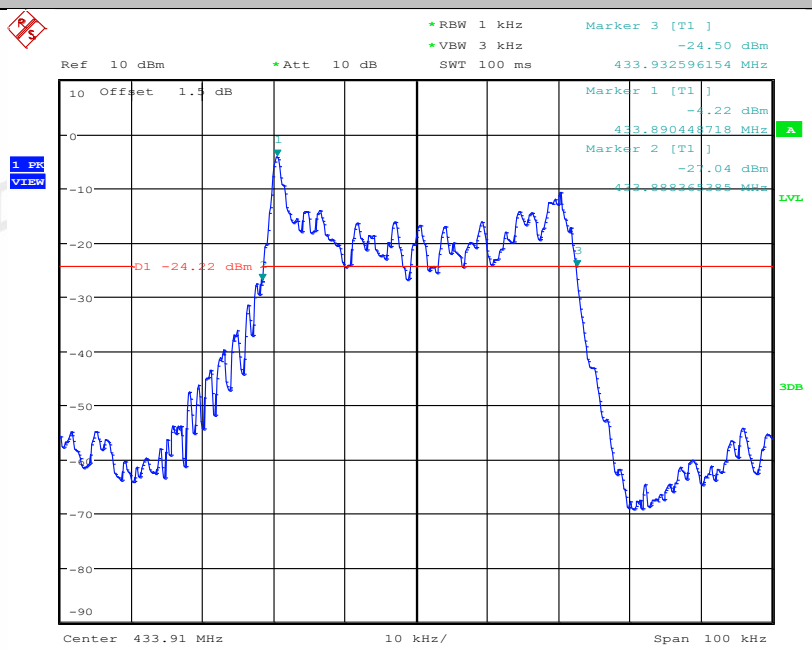
(2) The bandwidth of the fundamental frequency was measured by spectrum analyzer with 1 kHz RBW and 3 kHz VBW. Use the 99% bandwidth function of the spectrum analyzer to measure the occupied bandwidth of the EUT.

4.6. Test result

Frequency (MHz)	20 dB Bandwidth (kHz)	99% Bandwidth (kHz)	Limit (MHz): No wider than 0.25% of the center frequency	Conclusion
433.91	44.23	42.79	433.91*0.25%=1.0848MHz	PASS

4.7. Test graphs

20 dB Bandwidth



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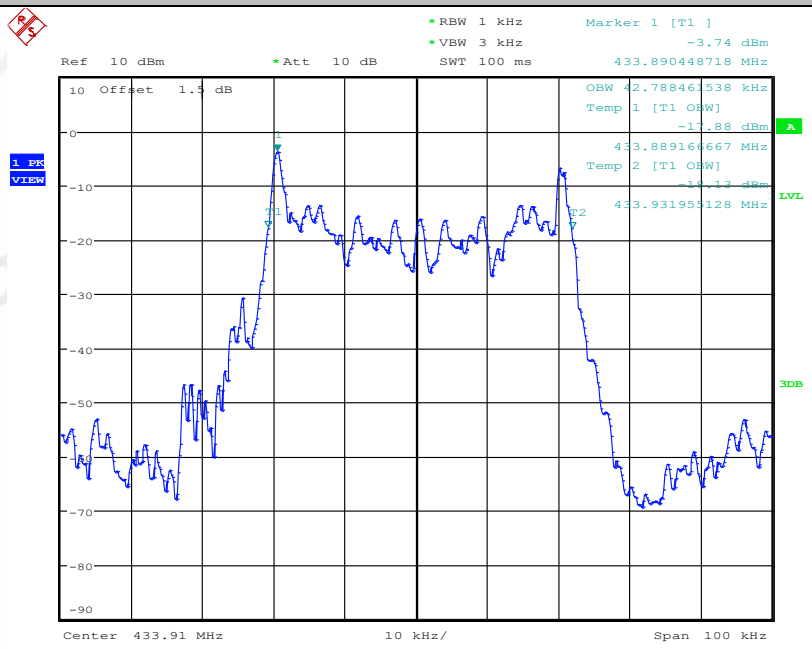
99% Bandwidth



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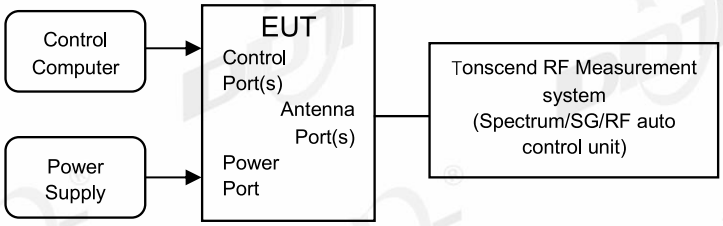
5. Stop Transmitting Time Test

5.1. Test equipment

Equipment	Manufacturer	Model No.	Serial Number	Due Date
SPECTRUM ANALYZER	R&S	FSU26	201124	2025/07/08
Power Sensor	R&S	NRP-Z22	101254	2025/07/08
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A

5.2. Block diagram of test setup



5.3. Limits

(a) The provisions of this section are restricted to periodic operation within the band 40.66-40.70 MHz and above 70 MHz. Except as shown in paragraph (e) of this section, the intentional radiator is restricted to the transmission of a control signal such as those used with alarm systems, door openers, remote switches, etc. Continuous transmissions, voice, video and the radio control of toys are not permitted. Data is permitted to be sent with a control signal. The following conditions shall be met to comply with the provisions for this periodic operation:

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

(2) A transmitter activated automatically shall cease transmission within 5 seconds after activation.

(3) Periodic transmissions at regular predetermined intervals are not permitted. However, polling or supervision transmissions, including data, to determine system integrity of transmitters used in security or safety applications are allowed if the total duration of transmissions does not exceed more than two seconds per hour for each transmitter. There is no limit on the number of individual transmissions, provided the total transmission time does not exceed two seconds per hour.

5.4. Assistant equipment used for test

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

5.5. 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.

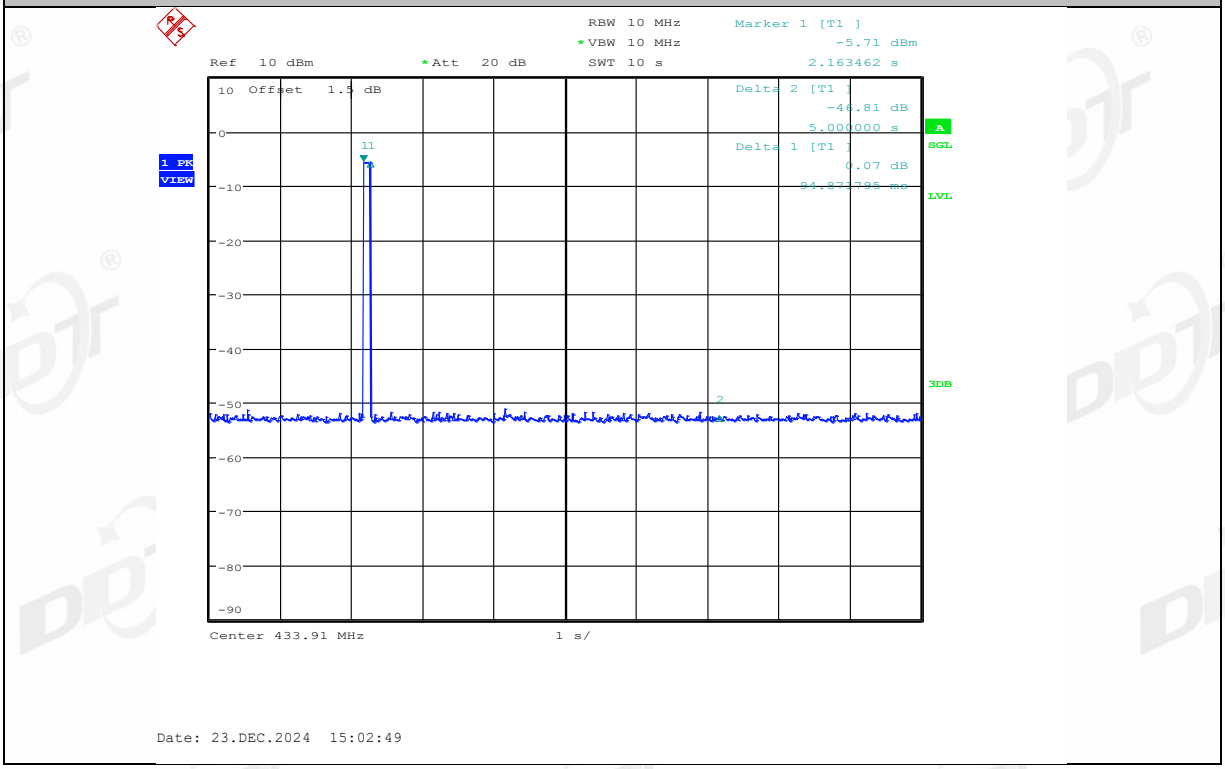
(3) Measure the stop transmitting time after release EUT button.

5.6. Test result

Frequency (MHz)	Burst Duration[ms]	Limit [s]	Verdict
433.91	0.09487	≤5	PASS

5.7. Test graphs

Stop Transmitting Time

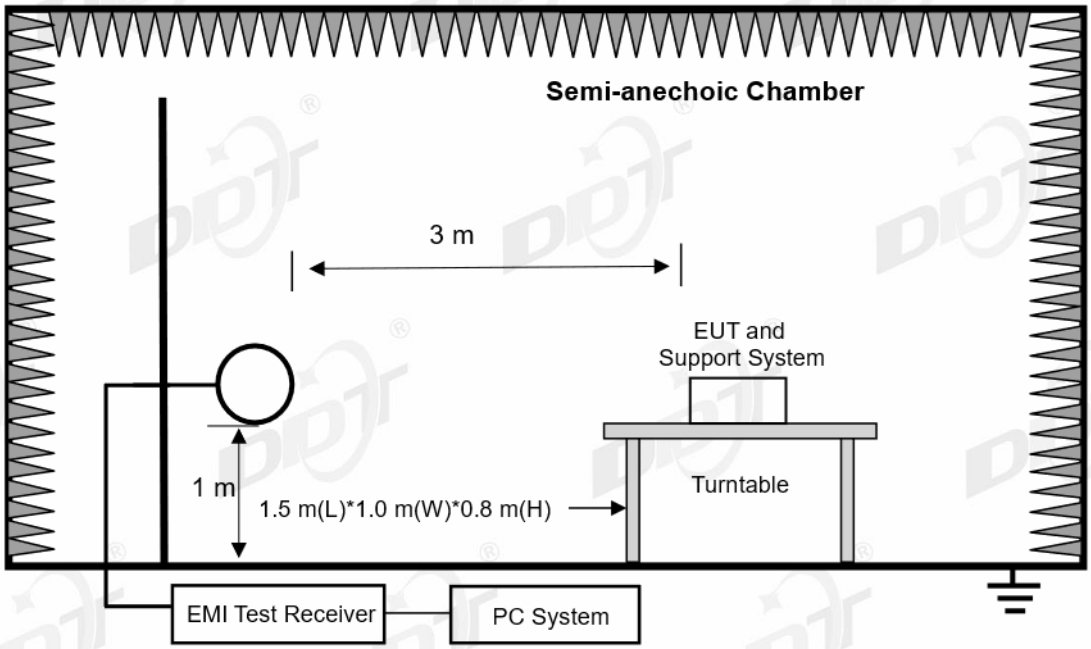


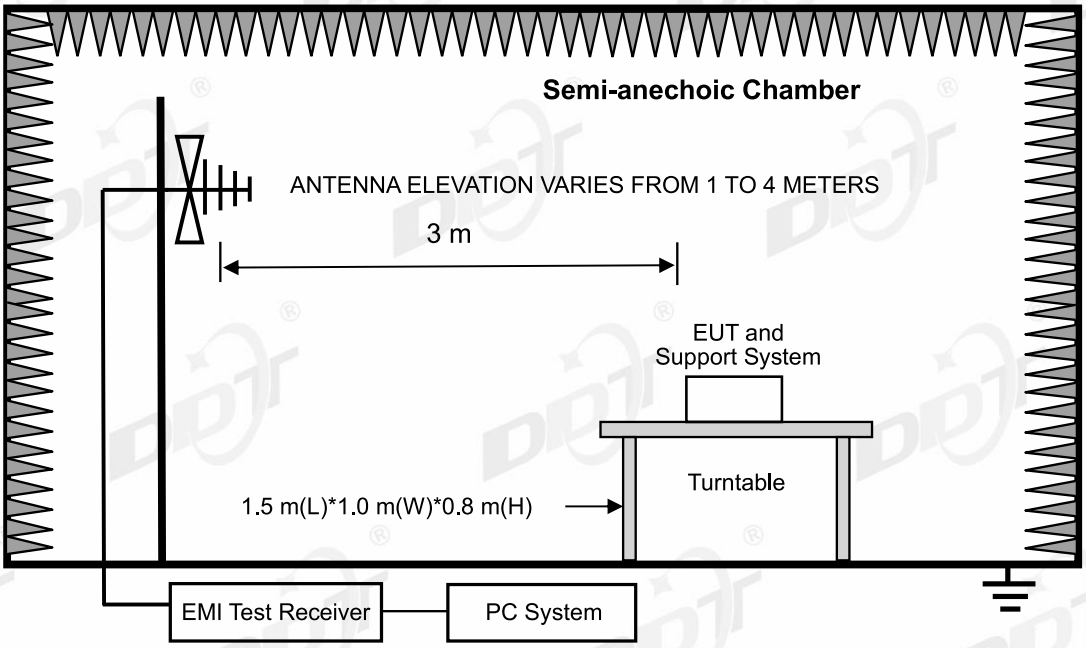
6. Radiated Emission

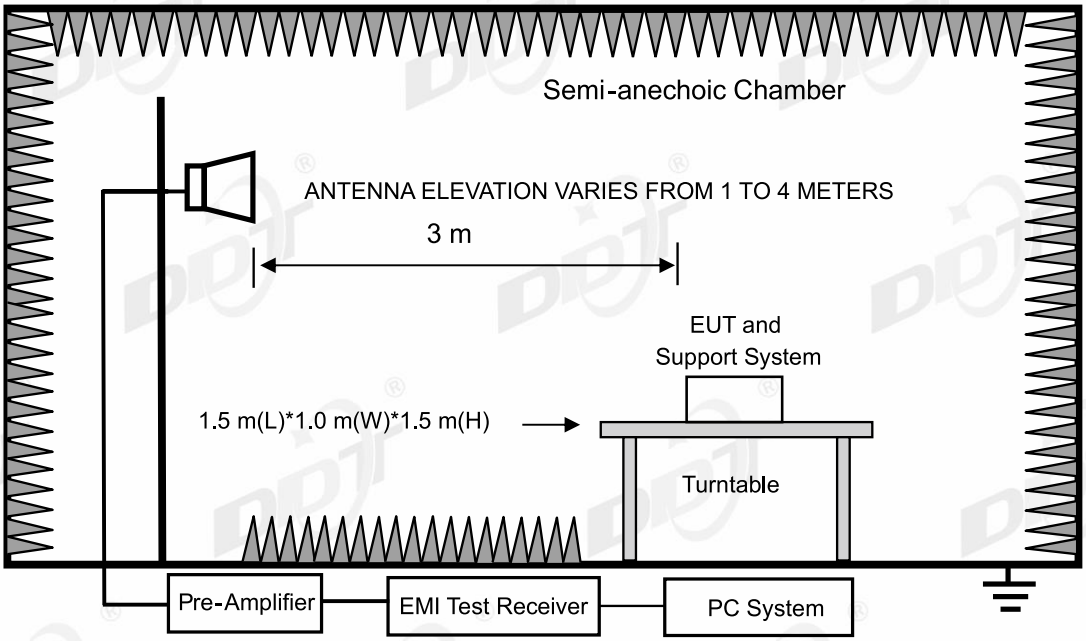
6.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/04/01
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	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
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/08/25
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2026/03/28
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28

6.2. Block diagram of test setup







6.3. 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
[1]0.495-0.505	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			

(2) FCC 15.209 Limit.

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		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 then that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$Limit_{3m}(dBuV/m) = Limit_{300m}(dBuV/m) + 40Log(300m/3m) = Limit_{300m}(dBuV/m) + 80$

$Limit_{3m}(dBuV/m) = Limit_{30m}(dBuV/m) + 40Log(30m/3m) = Limit_{30m}(dBuV/m) + 40$

(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.

6.4. Assistant equipment used for test

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

6.5. 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 2013 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

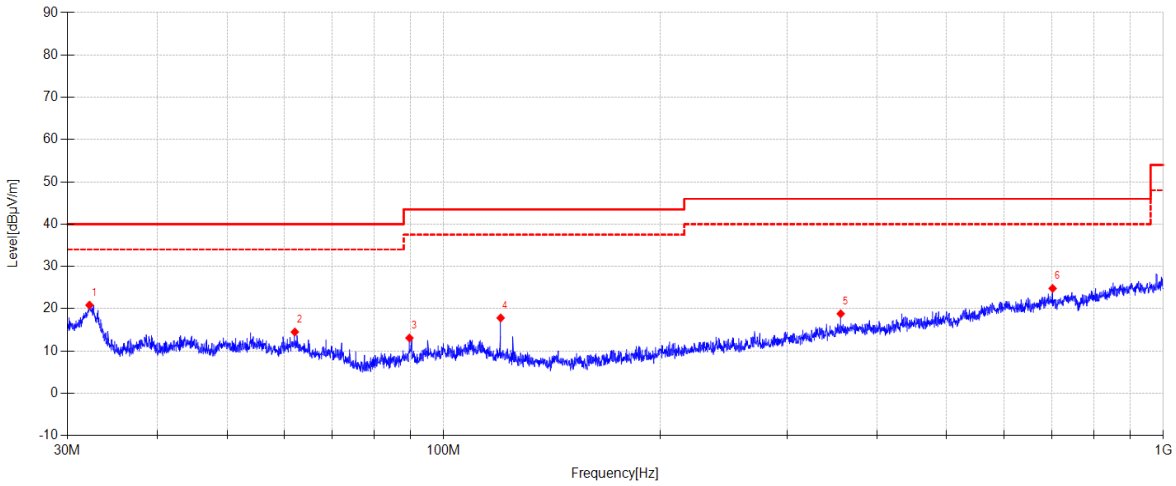
6.6. Test result

PASS. (See below detailed test result)

6.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-05-07	**Tested By**:	Lin Guoyuan
EUT:	PetDog Training Collar	**Model Number**:	DC007A
Test Mode:	TX 433.91MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.9°C;Humi:54.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24081922-1E\0507\20250507-090403_H		
Memo:			



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	32.202	37.93	10.26	3.77	-31.10	20.86	40.00	19.14	PK	Horizontal
2	62.117	28.88	12.75	3.97	-31.10	14.50	40.00	25.50	PK	Horizontal
3	89.633	30.61	9.43	4.15	-31.10	13.09	43.50	30.41	PK	Horizontal
4	119.99	34.61	10.00	4.33	-31.12	17.82	43.50	25.68	PK	Horizontal
5	356.24	29.46	15.35	5.44	-31.43	18.82	46.00	27.18	PK	Horizontal
6	701.81	29.96	19.64	6.69	-31.49	24.80	46.00	21.20	PK	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:	2025-05-07	**Tested By**:	Lin Guoyuan
EUT:	PetDog Training Collar	**Model Number**:	DC007A
Test Mode:	TX 433.91MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.9°C;Humi:54.9%	**Test Site**:	DDT 3# Chamber
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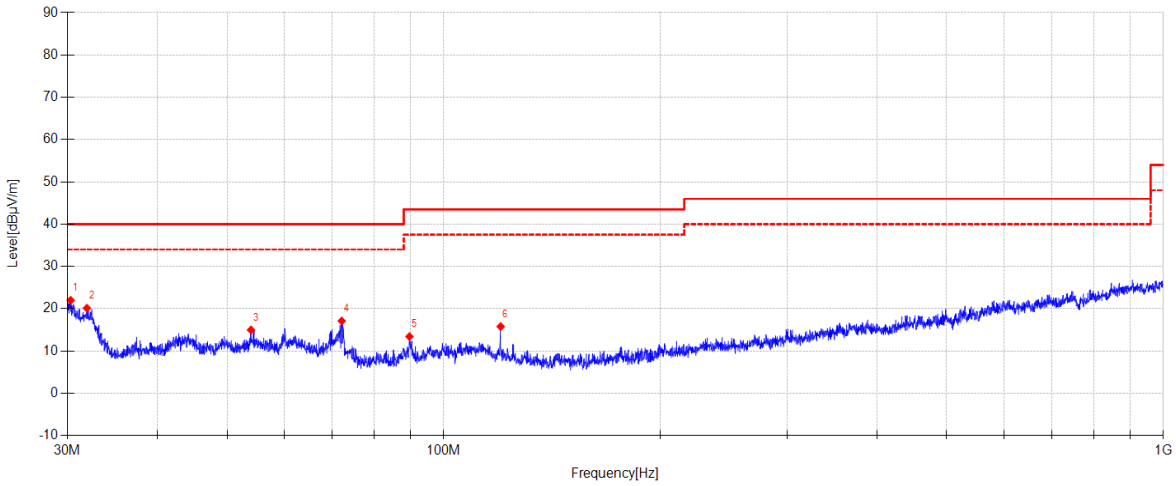
Memo:



Suspected Data List

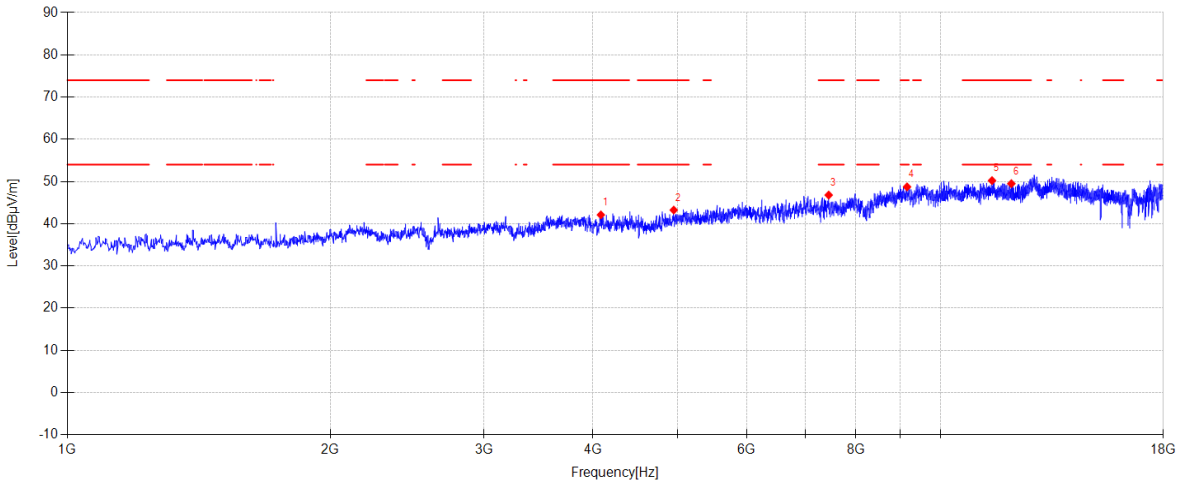
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	30.317	39.00	10.33	3.76	-31.10	21.99	40.00	18.01	PK	Vertical
2	31.932	37.34	10.12	3.77	-31.10	20.13	40.00	19.87	PK	Vertical
3	53.989	29.87	12.31	3.91	-31.10	14.99	40.00	25.01	PK	Vertical
4	72.173	34.63	9.53	4.04	-31.10	17.10	40.00	22.90	PK	Vertical
5	89.633	30.94	9.43	4.15	-31.10	13.42	43.50	30.08	PK	Vertical
6	119.99	32.58	10.00	4.33	-31.12	15.79	43.50	27.71	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-05-07	**Tested By**:	Lin Guoyuan
EUT:	PetDog Training Collar	**Model Number**:	DC007A
Test Mode:	TX 433.91MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.9°C;Humi:54.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24081922-1E\0507\5		

Memo:



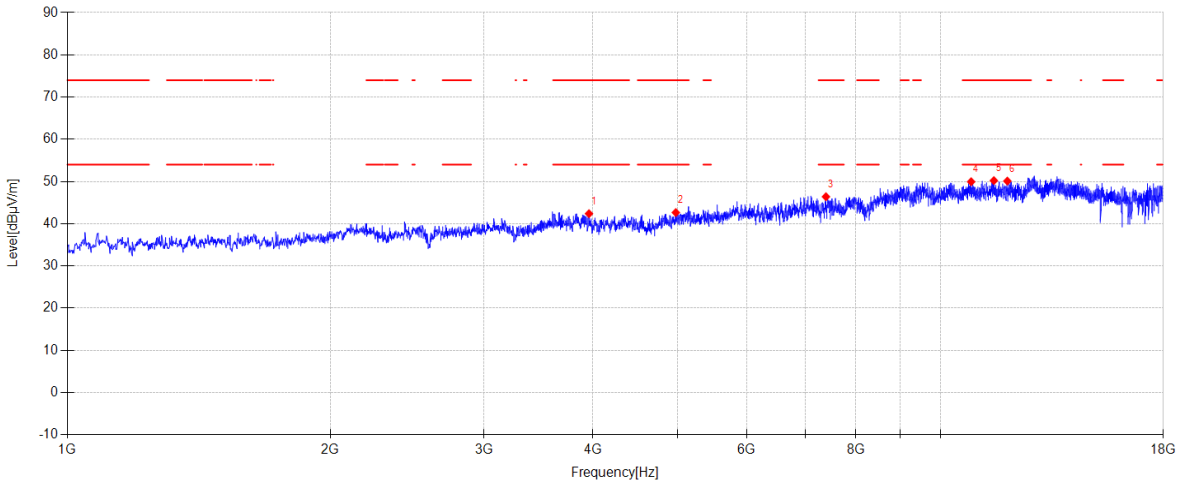
Suspected Data List

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	4083.800	45.59	31.07	5.10	-39.67	42.09	74.00	31.91	PK	Horizontal
2	4949.100	44.12	33.10	5.62	-39.60	43.24	74.00	30.76	PK	Horizontal
3	7446.400	44.10	36.61	6.68	-40.60	46.79	74.00	27.21	PK	Horizontal
4	9156.600	41.80	38.51	7.35	-38.93	48.73	74.00	25.27	PK	Horizontal
5	11456.700	42.01	39.24	8.42	-39.46	50.21	74.00	23.79	PK	Horizontal
6	12055.100	41.43	39.26	8.79	-39.99	49.49	74.00	24.51	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:	2025-05-07	**Tested By**:	Lin Guoyuan
EUT:	PetDog Training Collar	**Model Number**:	DC007A
Test Mode:	TX 433.91MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.9°C;Humi:54.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24081922-1E\0507\6		
Memo:			



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	3958.000	45.92	31.07	5.06	-39.67	42.38	74.00	31.62	PK	Vertical
2	4976.300	43.46	33.15	5.64	-39.60	42.65	74.00	31.35	PK	Vertical
3	7393.700	43.69	36.71	6.65	-40.65	46.40	74.00	27.60	PK	Vertical
4	10843.000	41.63	39.36	8.05	-39.09	49.95	74.00	24.05	PK	Vertical
5	11512.800	42.11	39.17	8.45	-39.51	50.22	74.00	23.78	PK	Vertical
6	11929.300	42.32	38.99	8.72	-39.93	50.10	74.00	23.90	PK	Vertical

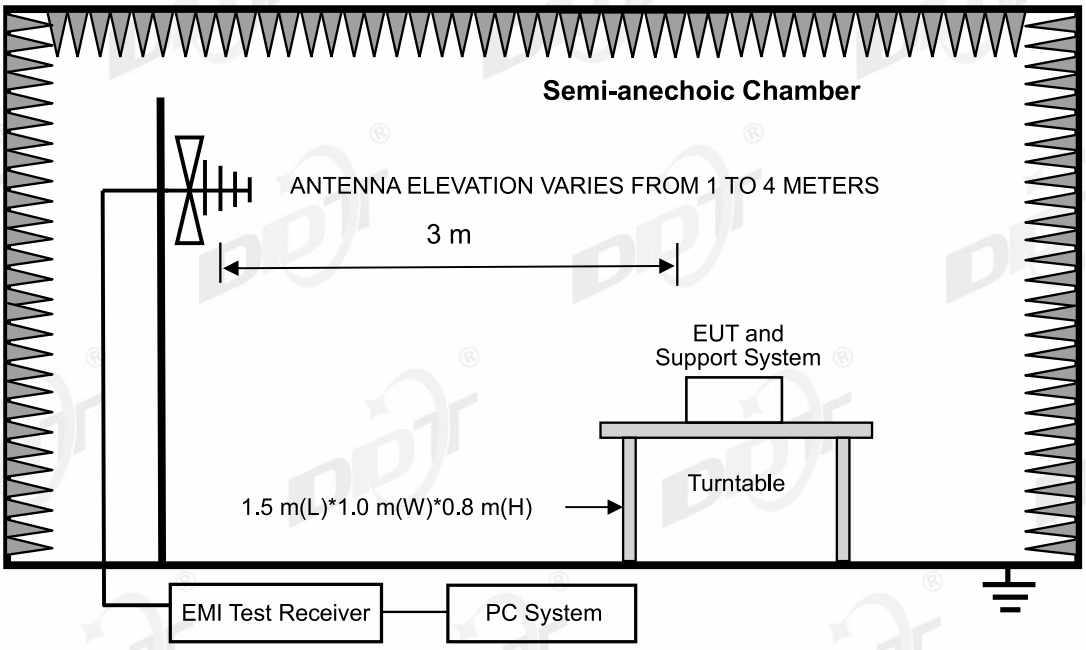
Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7. Field Strength Of The Fundamental Signal

7.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/08/25
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/03/28
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/04/01
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2026/03/28
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11

7.2. Block diagram of test setup



7.3. Limits

(3) FCC 15.231 section (a) limit

Fundamental Frequency (MHz)	Field Strength of Fundamental
433.91	AV: 80.82 dBuV/m @3m PK: 100.82dBuV/m @3m

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 2013 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.

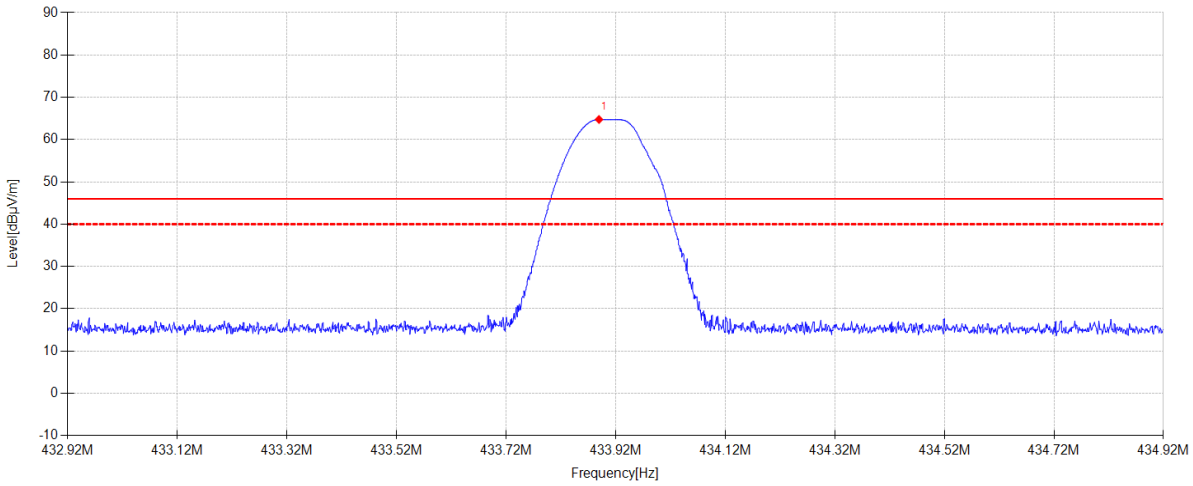
Frequency band	RBW
30MHz-1GHz	120kHz

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

7.6. Test result

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-05-07	**Tested By**:	Lin Guoyuan
EUT:	PetDog Training Collar	**Model Number**:	DC007A
Test Mode:	TX 433.91MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.9°C;Humi:54.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24081922-1E\0507\20250507-090031_H		
Memo:			



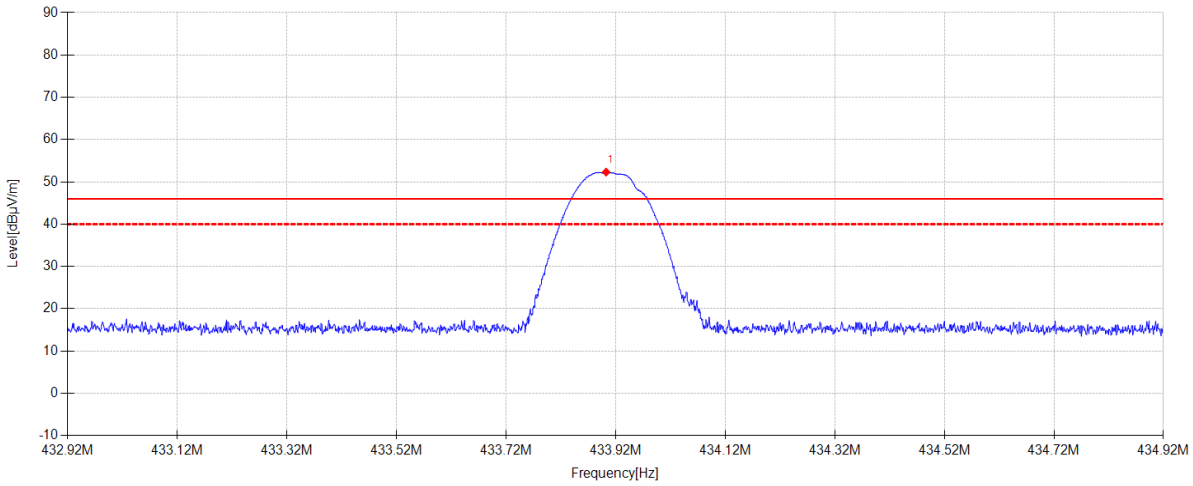
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	433.889	74.57	15.91	5.75	-31.47	64.76	100.82	36.06	PK	Horizontal
1	433.889	74.57	15.91	5.75	-31.47	64.76	80.82	16.06	AV	Horizontal

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.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-05-07	**Tested By**:	Lin Guoyuan
EUT:	PetDog Training Collar	**Model Number**:	DC007A
Test Mode:	TX 433.91MHz Mode	**Power Supply**:	Battery
Condition:	Temp:23.9°C;Humi:54.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24081922-1E\0507\20250507-090113_V		

Memo:



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	62.12	15.91	5.75	-31.47	52.31	100.82	48.51	PK	Vertical
1	433.902	62.12	15.91	5.75	-31.47	52.31	80.82	28.51	AV	Vertical

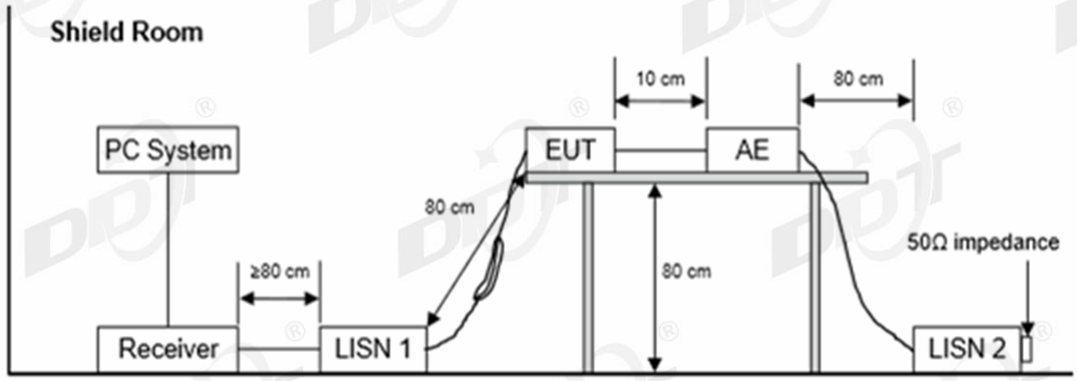
Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

8. Power Line Conducted Emissions

8.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Δ-shaped artificial power network	SCHWARZBECK	PVDC 8301	DDT-ZC03939	2026/03/28
Two Line V-Network	R&S	ENV216	DDT-ZC02056	2025/07/08
EMI Test Receiver	R&S	ESCI/E3	DDT-ZC01297	2025/07/08
Condected Radiated Software	Audix	E3	DDT-ZC00562	/
Two Line V-Network	R&S	ENV216	DDT-ZC02059	2025/07/08
RF Cable	Yuhu Technology	Z806-NJ-NJ-6M	DDT-ZC02004	2025/07/08
Three-phase artificial power network	SCHWARZBECK	NSLK 8163	DDT-ZC01572	2025/07/08
Pulse Limiter	SCHWARZBECK	VTSD 9561	DDT-ZC02128	2025/07/08

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

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

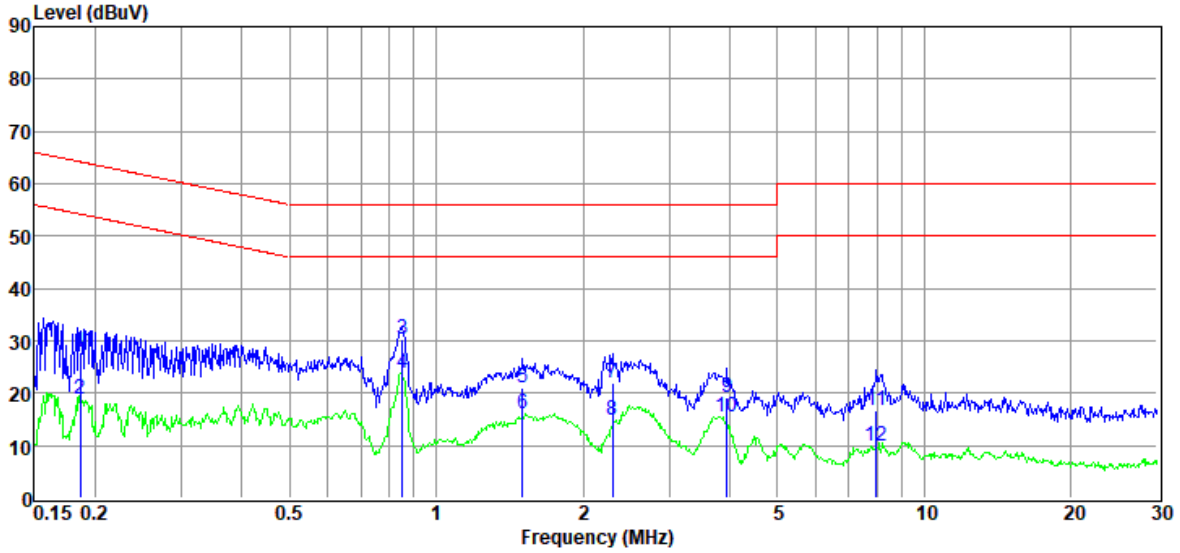
Note2: "-----" means Peak detection; "-----" means Average detection.

Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

8.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site	: DDT 6# Shield Room	D:\2024 Report Date\Q24081922-2E\1224 CE.EM6	
Test Date	: 2024-12-24	**Tested By**	: Gen Liu
EUT	: PetDog Training Collar	**Model Number**	: DC007A
Power Supply	: AC 120V/60Hz	**Test Mode**	: TX 433.91MHz Mode
Condition	: Temp:21.9°C,Humi:56.2%	**LISN**	: 2024 ENV216 3#/LINE
Memo	:		

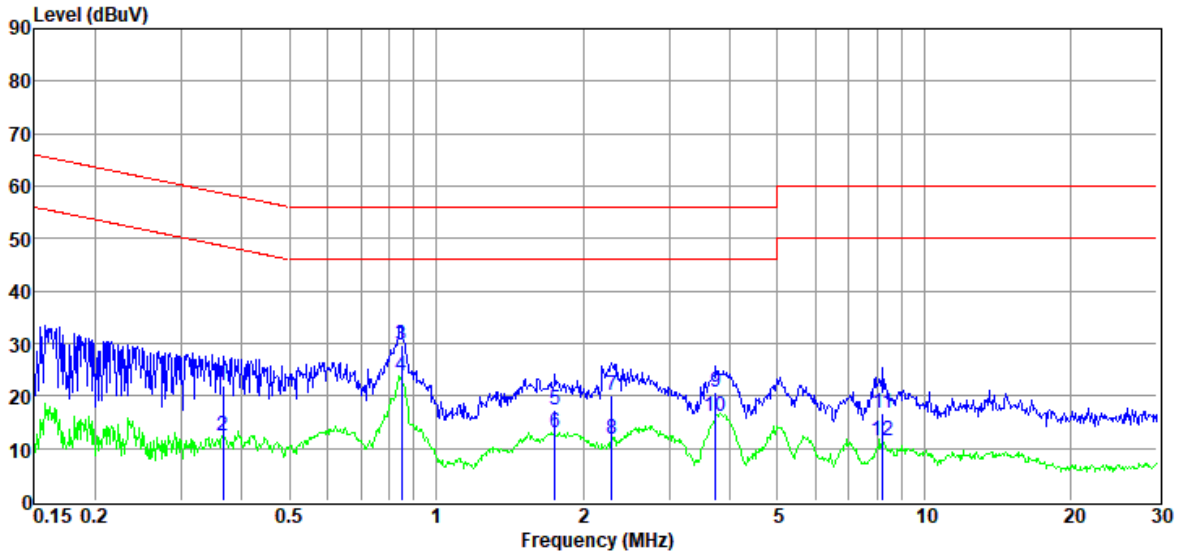


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.19	8.09	9.77	0.06	9.83	27.75	64.20	-36.45	QP	LINE
2	0.19	-0.79	9.77	0.06	9.83	18.87	54.20	-35.33	Average	LINE
3	0.85	10.59	9.75	0.07	9.84	30.25	56.00	-25.75	QP	LINE
4	0.85	4.23	9.75	0.07	9.84	23.89	46.00	-22.11	Average	LINE
5	1.50	1.29	9.75	0.11	9.84	20.99	56.00	-35.01	QP	LINE
6	1.50	-3.66	9.75	0.11	9.84	16.04	46.00	-29.96	Average	LINE
7	2.30	2.25	9.75	0.11	9.84	21.95	56.00	-34.05	QP	LINE
8	2.30	-4.90	9.75	0.11	9.84	14.80	46.00	-31.20	Average	LINE
9	3.94	-0.69	9.77	0.10	9.85	19.03	56.00	-36.97	QP	LINE
10	3.94	-4.40	9.77	0.10	9.85	15.32	46.00	-30.68	Average	LINE
11	7.98	-3.16	9.82	0.17	9.87	16.70	60.00	-43.30	QP	LINE
12	7.98	-10.09	9.82	0.17	9.87	9.77	50.00	-40.23	Average	LINE

Note: 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site	: DDT 6# Shield Room	D:\2024 Report Date\Q24081922-2E\1224 CE.EM6	
Test Date	: 2024-12-24	**Tested By**	: Gen Liu
EUT	: PetDog Training Collar	**Model Number**	: DC007A
Power Supply	: AC 120V/60Hz	**Test Mode**	: TX 433.91MHz Mode
Condition	: Temp:21.9°C,Humi:56.2%	**LISN**	: 2024 ENV216 3#/NEUTRAL
Memo	:		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.37	2.16	9.76	0.08	9.83	21.83	58.61	-36.78	QP	NEUTRAL
2	0.37	-7.30	9.76	0.08	9.83	12.37	48.61	-36.24	Average	NEUTRAL
3	0.85	10.18	9.75	0.07	9.84	29.84	56.00	-26.16	QP	NEUTRAL
4	0.85	4.06	9.75	0.07	9.84	23.72	46.00	-22.28	Average	NEUTRAL
5	1.75	-2.31	9.77	0.11	9.84	17.41	56.00	-38.59	QP	NEUTRAL
6	1.75	-6.64	9.77	0.11	9.84	13.08	46.00	-32.92	Average	NEUTRAL
7	2.29	0.38	9.77	0.11	9.84	20.10	56.00	-35.90	QP	NEUTRAL
8	2.29	-8.04	9.77	0.11	9.84	11.68	46.00	-34.32	Average	NEUTRAL
9	3.74	1.03	9.78	0.10	9.85	20.76	56.00	-35.24	QP	NEUTRAL
10	3.74	-3.60	9.78	0.10	9.85	16.13	46.00	-29.87	Average	NEUTRAL
11	8.24	-3.23	9.83	0.18	9.87	16.65	60.00	-43.35	QP	NEUTRAL
12	8.24	-8.36	9.83	0.18	9.87	11.52	50.00	-38.48	Average	NEUTRAL

Note: 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

9. Antenna Requirement

9.1. 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

9.2. 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.

11. Photos of the EUT

Please refer to DDT-Q24081922-2E appendix I

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