RADIO TEST REPORT

Applicant	:	PIONEER CORPORATION
Address of Applicant	:	28-8, Honkomagome 2-Chome, Bunkyo-ku, Tokyo 113-0021, Japan
Manufacturer	:	PIONEER CORPORATION
Address of Manufacturer	:	28-8, Honkomagome 2-Chome, Bunkyo-ku, Tokyo 113-0021, Japan
Equipment under Test	:	On-Dash Multimedia Display
Model No.	:	AVD-W1000NEX, AVD-W10NEX, AVD-W100BT
FCC ID	:	AJDK133
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C, ANSI C63.10-2020
Report No.	:	DDT-RE26011315-5E03
Issue Date	:	2026/06/03
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:

FCC Rules and Regulations Part 15 Subpart C,
ANSI C63.10-2020

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-RE26011315-5E03		
Date of Receipt:	2026/03/10	**Date of Test:**	2026/03/10 - 2026/04/28

Created: Tiger Mo	Reviewed: Johnson Huang	Approved: Damon Hu
Tiger Mo	Johnson Huang	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
2026/04/28	2026/06/03	2026/06/03

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	2026/06/03	Damon Hu

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	Field Strength of the Fundamental Signal	47 CFR Part 15.239(b)	/	Pass
2	20 dB Bandwidth	47 CFR Part 15.239(a)	/	Pass
3	Radiated Emission	47 CFR Part 15 15.205, 47 CFR Part 15 15.209, 47 CFR Part 15.239(c)	/	Pass
4	Antenna Requirement	47 CFR Part 15 15.203	/	Pass
5	Power Line Conducted Emissions	47 CFR Part 15 15.207(a)	/	N/A
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	:	On-Dash Multimedia Display
Model Number	:	AVD-W1000NEX, AVD-W10NEX, AVD-W100BT
Difference of model number	:	Above models are identical in schematic, appearance and structure, only the Model Number, main chip part numbers, software, Sales channels, the logo on the startup page are different for all the models, therefore the test performed on the model AVD-W1000NEX.
EUT Function Description	:	Please reference user manual of this device
Power Supply	:	DC10.8～15.1V
Antenna Type	:	integral antenna

Operation Frequency	:	88.1MHz -107.9MHz (step sizes 50/100/200kHz)
Modulation	:	FM

FM channel as blow table:

Operation Frequency each of Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	88.1MHz	101	93.1MHz	201	98.1MHz	301	103.1MHz
2	88.15MHz	102	93.15MHz	202	98.15MHz	302	103.15MHz
3	88.2MHz	103	93.2MHz	203	98.2MHz	303	103.2MHz
4	88.25MHz	104	93.25MHz	204	98.25MHz	304	103.25MHz
5	88.3MHz	105	93.3MHz	205	98.3MHz	305	103.3MHz
6	88.35MHz	106	93.35MHz	206	98.35MHz	306	103.35MHz
7	88.4MHz	107	93.4MHz	207	98.4MHz	307	103.4MHz
8	88.45MHz	108	93.45MHz	208	98.45MHz	308	103.45MHz
9	88.5MHz	109	93.5MHz	209	98.5MHz	309	103.5MHz
10	88.55MHz	110	93.55MHz	210	98.55MHz	310	103.55MHz
11	89.6MHz	111	93.6MHz	211	98.6MHz	311	103.6MHz
12	89.65MHz	112	93.65MHz	212	98.65MHz	312	103.65MHz
13	89.7MHz	113	94.7MHz	213	98.7MHz	313	103.7MHz
…….	……	……	……	……	……	……	……
100	93.05MHz	200	98.05MHz	300	103.05MHz	397	107.9MHz

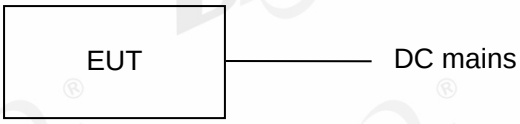
Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's 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
N/A	N/A	N/A	N/A

2.3. Block diagram of EUT configuration for test



2.4. Decision of final test mode

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

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The Lowest channel	88.1MHz
The Middle channel	98MHz
The Highest channel	107.9MHz

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:	+15℃ to +35 ℃
Humidity range:	20% to 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

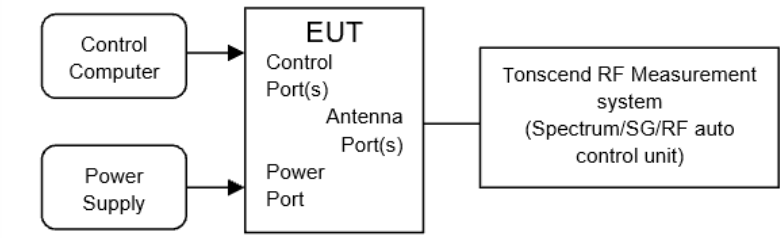
Test Item	Uncertainty
Bandwidth	1.9%
Peak Output Power (Conducted) (Spectrum analyzer)	0.98 dB
Peak Output Power (Conducted) (Power Sensor)	1.18 dB
Power Spectral Density (Base EIRP)	1.51 dB
Power Spectral Density (Spectrum analyzer)	0.98 dB
Frequencies Stability	1.9 kHz
Conducted spurious emissions	1.21 dB (9 kHz ≤ f < 7 GHz);
	3.31 dB (7 GHz ≤ f < 40 GHz)
Uncertainty for radio frequency (RBW < 20 kHz)	5.5×10^{-8}
Time	0.11%
Temperature	0.3 ℃
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 test

Equipment	Manufacturer	Model No.	Serial Number	Due Date
☒ RF Connected Test (RF Measurement System 1#)				
SIGNAL ANALYZER	R&S	FSQ26	101272	2027/02/28
Wideband Radio Communication Tester	R&S	CMW500	117491	2027/02/28
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2027/02/28
MXG Vector Signal Generator	Agilent	N5182A	MY19060405	2027/02/28
RF Control Unit	Tonscend	JS0806-2	158060010	2027/02/28
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2026/08/12
Test Software	Tonscend	JS1120-3	V3.6.21	N/A

4. 20dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

Emissions from the intentional radiator shall be confined within a band 200 kHz wide centered on the operating frequency. The 200 kHz band shall lie wholly within the frequency range of 88-108 MHz

4.3. Test Procedure

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

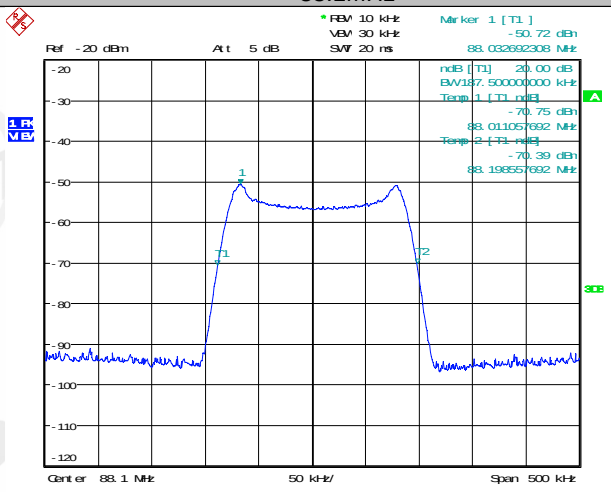
(2) The bandwidth of the fundamental frequency was measured by spectrum analyzer with 10 kHz RBW and 30 kHz VBW, span 500kHz. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

4.4. Test Result

Freq. (MHz)	20dB bandwidth Result (kHz)	Limit (kHz)	Conclusion
88.1	187.5	200	PASS
98.0	187.5	200	PASS
107.9	187.5	200	PASS

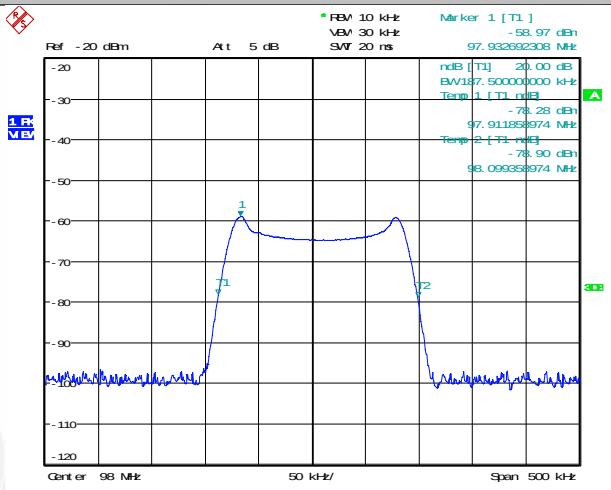
4.1. Original test data

88.1MHz



Date: 2. APR. 2026 10: 20: 29

98MHz



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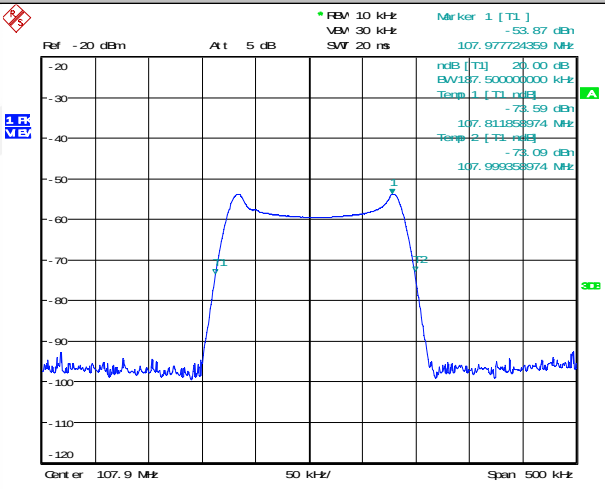
107.9MHz



Date: 2. APR. 2026 10: 26: 54

5. Antenna Requirements

5.1. 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.

5.2. Result

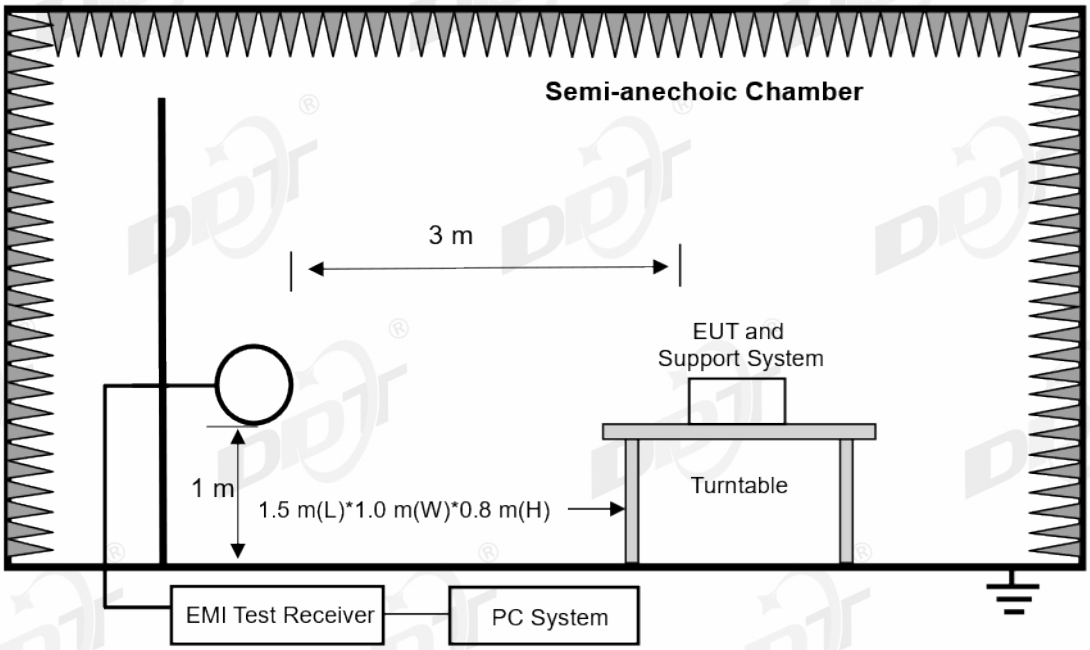
The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

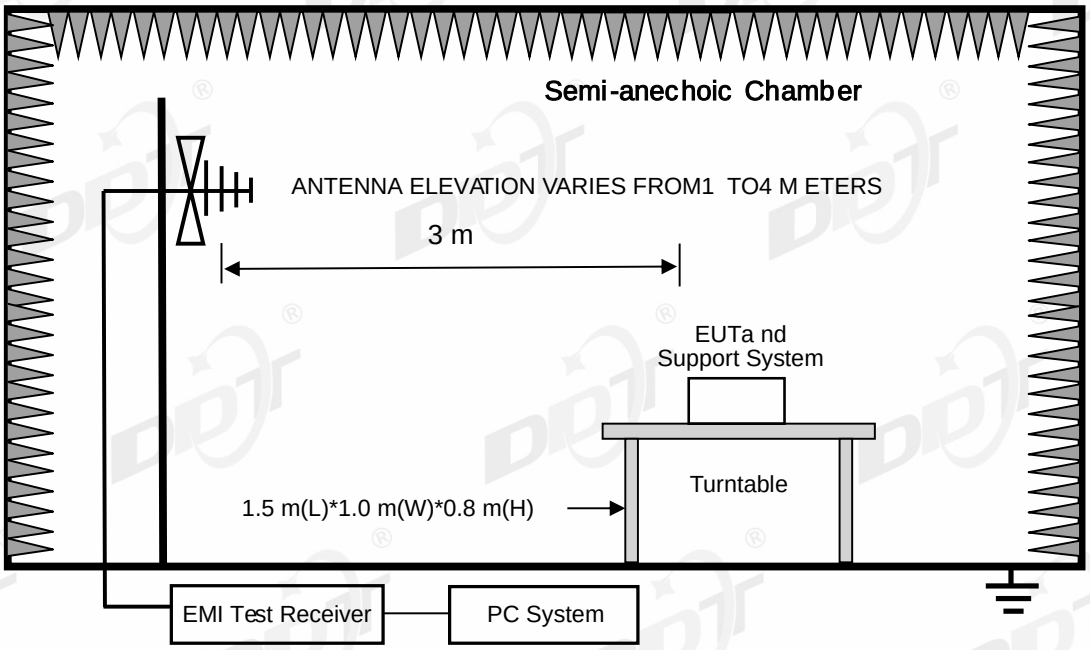
6. Radiated Emission

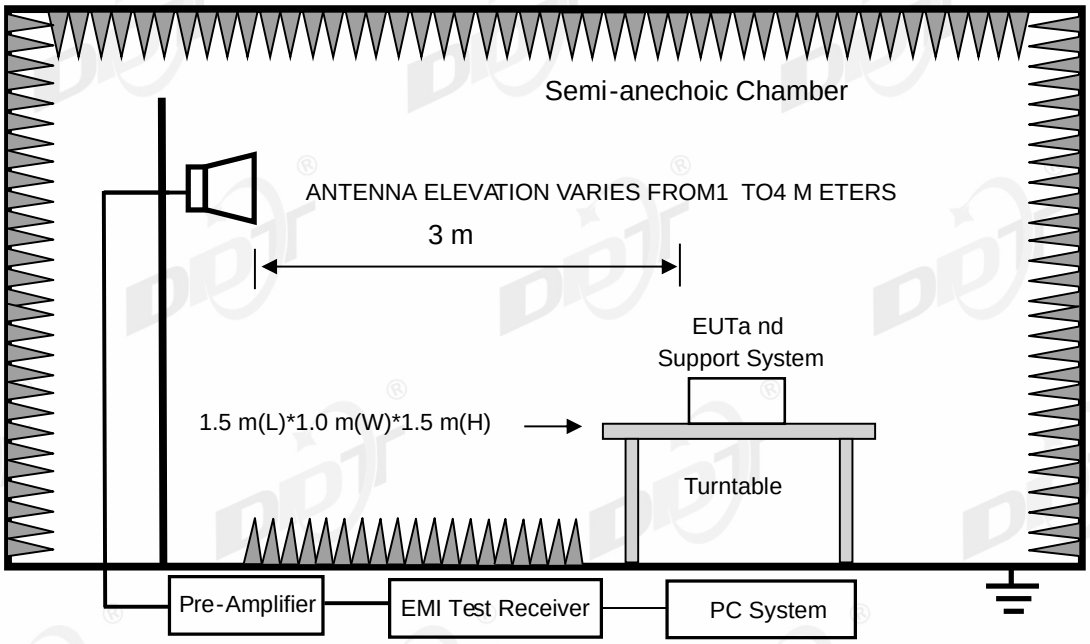
6.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Radiation disturbance fully automated test software	Tonscend	JS32-RE	DDT-ZC02739	/
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2026/08/11
Spectrum analyzer	Agilent	N9020A	DDT-ZC00805	2026/07/06
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2027/02/27
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-5M	DDT-ZC03800	2026/10/10
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10
RF cable	Zhongke Junchuang	JCT780S-NJ-NJ-9M	DDT-ZC05589	2026/10/10
Band Reject Filter Group	Tonscend	JS0806-F	DDT-ZC05733	/
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC05922	2027/01/06
Broadband Preamplifier	HPX	BP-01G-18G	DDT-ZC05923	2027/01/06
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Signal &Spectrum analyzer	R&S	FSV40-N	DDT-ZC04979	2026/07/04
SPECTRUM ANALYZER	R&S	FSU26	DDT-ZC00236	2026/07/06

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	23.6-24.0
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			

1Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

2Above 38.6

(2) FCC 15.209 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		uV/m	dBuV/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 dBuV/m (Peak) 54.0 dBuV/m (Average)	

FCC 15.239(b) Limit.

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
88 ~ 108	3	250	48.0(Average)
			68.0(Peak)

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 than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

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

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209.

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 for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.

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

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna(1 GHz-18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna(18 GHz-40 GHz)	1 m

According ANSI C63.10 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0°to 360°on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30MHz, 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 from 9 kHz to 25 GHz:

(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 1 m to 4 m (Except loop antenna, it's fixed 1 m 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.

Spectrum frequency from 9 KHz to 1GHz (tenth harmonic of fundamental frequency) was investigated, the EUT works the highest frequency in 107.9MHz under the FM transmitting mode, therefore the test is performed up to 1GHz, and there is no obvious emissions were detected from 9 kHz to 30MHz, so below final test was performed with frequency range from 30MHz to 1GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m 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 equipment and all of the interface cables were changed according to ANSI C63.10 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz,110 kHz - 490 kHz

and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10 clause 4.1.5.2.2 procedure for average measure.

(8) For portable device, X axis, Y axis, Z axis are tested, and worse setup is reported.

6.6. Test result

PASS. (See below detailed test result)

6.7. Test data

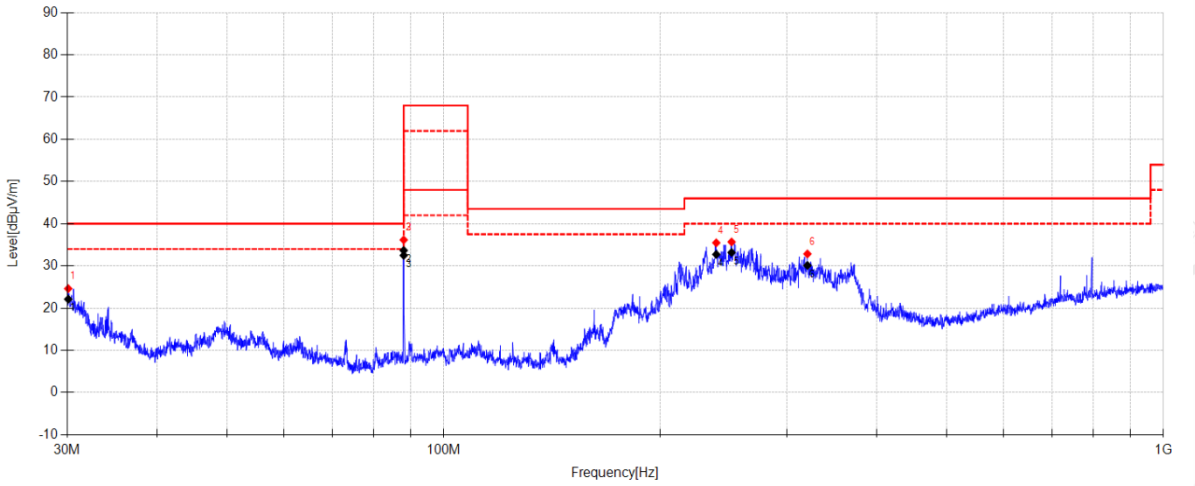
Field Strength of the Fundamental Signal

Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarization
88.10	54.74	9.49	4.24	-32.30	36.17	68.00	31.83	Peak	HORIZONTAL
88.10	51.07	9.49	4.24	-32.30	32.50	48.00	15.50	Average	HORIZONTAL
88.10	58.42	9.49	4.24	-32.30	39.85	68.00	28.15	Peak	VERTICAL
88.10	52.67	9.49	4.24	-32.30	34.10	48.00	13.90	Average	VERTICAL
98.00	56.05	11.30	4.29	-32.30	39.34	68.00	28.66	Peak	HORIZONTAL
98.00	50.37	11.30	4.29	-32.30	33.66	48.00	14.34	Average	HORIZONTAL
98.00	63.91	11.28	4.29	-32.30	47.18	68.00	20.82	Peak	VERTICAL
98.00	54.33	11.28	4.29	-32.30	37.60	48.00	10.40	Average	VERTICAL
107.90	51.59	11.47	4.35	-32.31	35.10	68.00	32.90	Peak	HORIZONTAL
107.90	48.72	11.47	4.35	-32.30	32.23	48.00	15.77	Average	HORIZONTAL
107.90	52.20	11.43	4.35	-32.31	35.67	68.00	32.33	Peak	VERTICAL
107.90	47.26	11.43	4.35	-32.30	30.73	48.00	17.27	Average	VERTICAL

Radiated Emissions

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-04-28	**Tested By**:	Li Xiongbin
Test Mode:	FM 88.1MHz Mode	**Power Supply**:	DC 14.4V
Condition:	Temp:22.7°C;Humi:55.8%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26011315-5E\FCC BELOW 1G FM 0428\21		
Memo:	Sample Number:S26011315-010		



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	30.084	42.66	10.48	3.78	-32.30	24.62	40.00	15.38	PK	Horizontal
2	88.000	50.93	9.50	4.24	-32.30	32.37	40.00	7.63	PK	Horizontal
3	88.10	54.74	9.49	4.24	-32.30	36.17	68.00	31.83	PK	Horizontal
4	239.216	50.50	12.34	5.04	-32.40	35.48	46.00	10.52	PK	Horizontal
5	251.250	51.03	11.97	5.08	-32.40	35.68	46.00	10.32	PK	Horizontal
6	320.234	45.73	14.17	5.37	-32.42	32.85	46.00	13.15	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	30.084	40.16	10.48	3.78	22.12	40.00	17.88	QP	Horizontal
2	88.000	48.99	9.50	4.24	30.43	40.00	9.57	QP	Horizontal
4	239.216	47.76	12.34	5.04	32.74	46.00	13.26	QP	Horizontal
5	251.250	48.53	11.97	5.08	33.18	46.00	12.82	QP	Horizontal
6	320.234	42.99	14.17	5.37	30.11	46.00	15.89	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

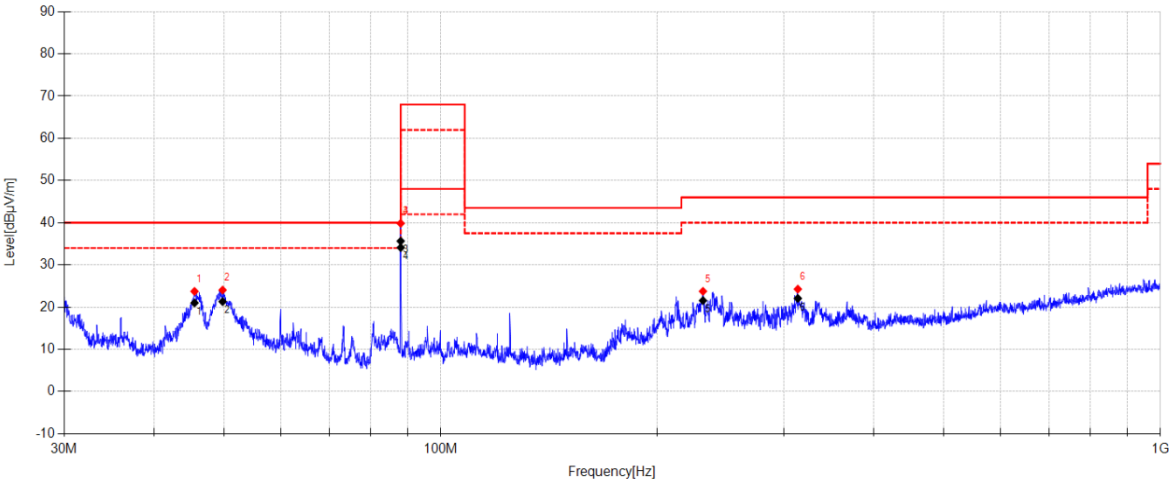
Test Date: 2026-04-28 **Tested By**: Li Xiongbin

Test Mode: FM 88.1MHz Mode **Power Supply**: DC 14.4V

Condition: Temp:22.7°C;Humi:55.8% **Test Site**: DDT 3# Chamber

File Path: d:\ts\2026 report data\Q26011315-5E\FCC BELOW 1G FM 0428\22

Memo: Sample Number:S26011315-010



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	45.499	38.89	13.20	3.95	-32.30	23.74	40.00	16.26	PK	Vertical
2	49.772	38.92	13.45	3.98	-32.30	24.05	40.00	15.95	PK	Vertical
3	88.000	54.78	9.50	4.24	-32.30	36.22	40.00	3.78	PK	Vertical
4	88.10	58.42	9.49	4.24	-32.30	39.85	68.00	28.15	PK	Vertical
5	231.461	39.15	12.00	5.01	-32.40	23.76	46.00	22.24	PK	Vertical
6	313.569	37.63	13.71	5.34	-32.41	24.27	46.00	21.73	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	45.499	36.15	13.20	3.95	21.00	40.00	19.00	QP	Vertical
2	49.772	36.18	13.45	3.98	21.31	40.00	18.69	QP	Vertical
3	88.000	55.00	9.50	4.24	36.44	40.00	3.56	QP	Vertical
5	231.461	36.95	12.00	5.01	21.56	46.00	24.44	QP	Vertical
6	313.569	35.43	13.71	5.34	22.07	46.00	23.93	QP	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

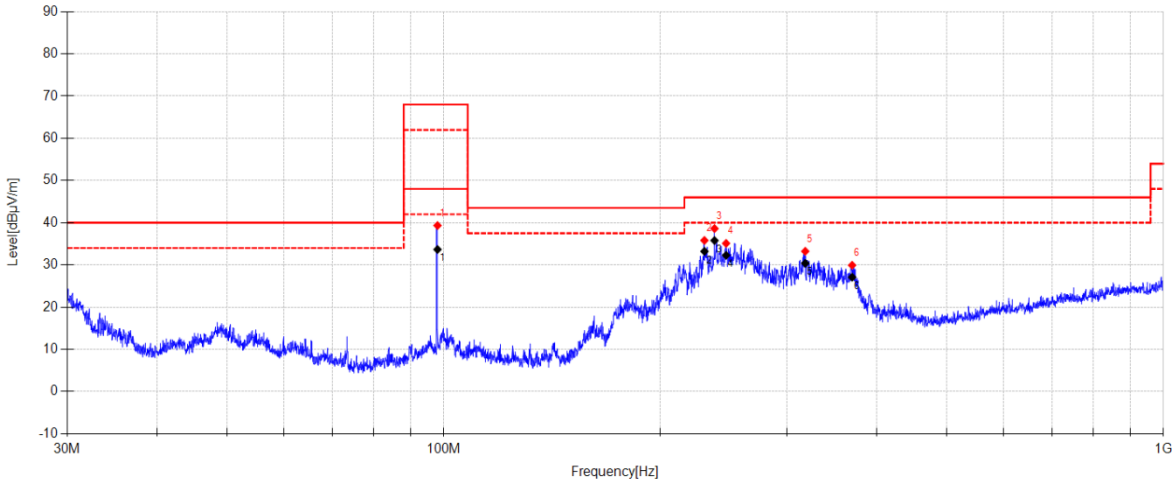
Test Date: 2026-04-28 **Tested By**: Li Xiongbin

Test Mode: FM 98MHz Mode **Power Supply**: DC 14.4V

Condition: Temp:22.7°C;Humi:55.8% **Test Site**: DDT 3# Chamber

File Path: d:\ts\2026 report data\Q26011315-5E\FCC BELOW 1G FM 0428\23

Memo: Sample Number:S26011315-010



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	98.00	56.05	11.30	4.29	-32.30	39.34	68.00	28.66	PK	Horizontal
2	230.328	51.06	12.15	5.00	-32.40	35.81	46.00	10.19	PK	Horizontal
3	237.878	53.91	12.08	5.03	-32.40	38.62	46.00	7.38	PK	Horizontal
4	246.884	50.48	11.96	5.07	-32.40	35.11	46.00	10.89	PK	Horizontal
5	317.997	46.25	14.04	5.36	-32.42	33.23	46.00	12.77	PK	Horizontal
6	369.478	41.26	15.56	5.58	-32.47	29.93	46.00	16.07	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
2	230.328	48.46	12.15	5.00	33.21	46.00	12.79	QP	Horizontal
3	237.878	51.07	12.08	5.03	35.78	46.00	10.22	QP	Horizontal
4	246.884	47.64	11.96	5.07	32.27	46.00	13.73	QP	Horizontal
5	317.997	43.41	14.04	5.36	30.39	46.00	15.61	QP	Horizontal
6	369.478	38.42	15.56	5.58	27.09	46.00	18.91	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

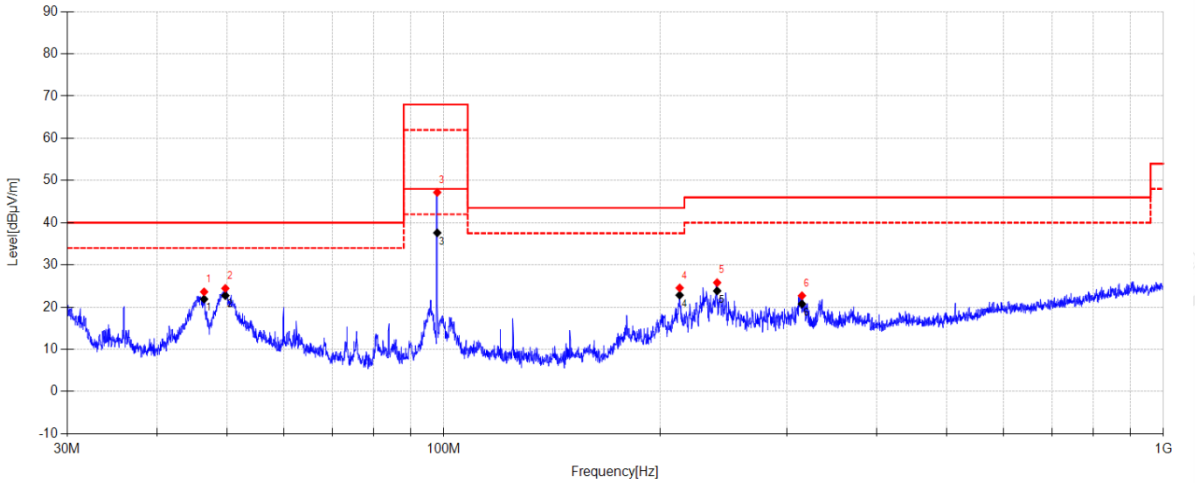
Test Date: 2026-04-28 **Tested By**: Li Xiongbin

Test Mode: FM 98MHz Mode **Power Supply**: DC 14.4V

Condition: Temp:22.7°C;Humi:55.8% **Test Site**: DDT 3# Chamber

File Path: d:\ts\2026 report data\Q26011315-5E\FCC BELOW 1G FM 0428\24

Memo: Sample Number:S26011315-010



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	46.466	38.77	13.19	3.96	-32.30	23.62	40.00	16.38	PK	Vertical
2	49.737	39.32	13.45	3.98	-32.30	24.45	40.00	15.55	PK	Vertical
3	98.00	63.91	11.28	4.29	-32.30	47.18	68.00	20.82	PK	Vertical
4	212.782	41.03	10.99	4.93	-32.40	24.55	43.50	18.95	PK	Vertical
5	239.888	40.69	12.48	5.04	-32.40	25.81	46.00	20.19	PK	Vertical
6	314.670	36.00	13.78	5.34	-32.41	22.71	46.00	23.29	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	46.466	37.06	13.19	3.96	21.91	40.00	18.09	QP	Vertical
2	49.737	37.61	13.45	3.98	22.74	40.00	17.26	QP	Vertical
4	212.782	39.32	10.99	4.93	22.84	43.50	20.66	QP	Vertical
5	239.888	38.73	12.48	5.04	23.85	46.00	22.15	QP	Vertical
6	314.670	34.04	13.78	5.34	20.75	46.00	25.25	QP	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

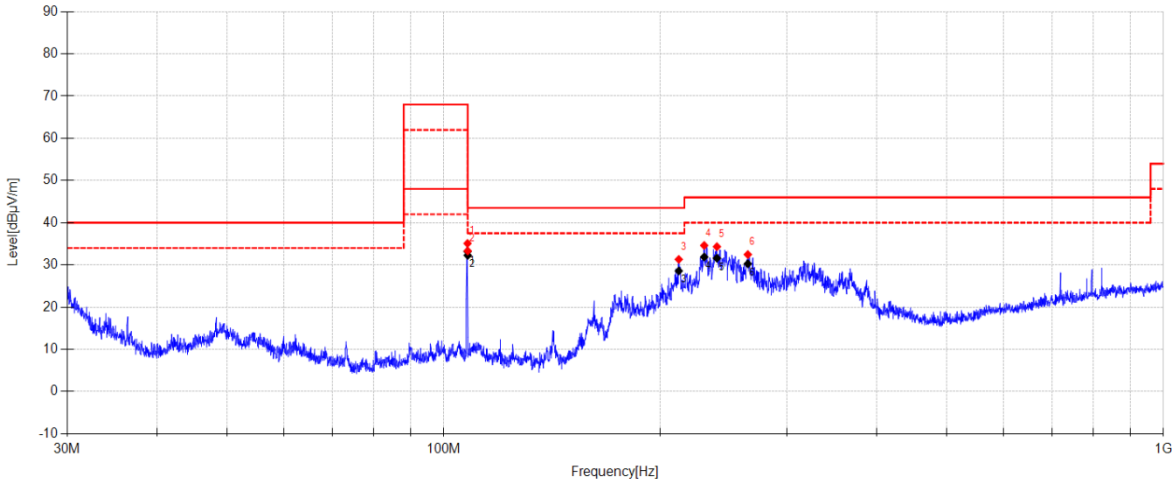
Test Date: 2026-04-28 **Tested By**: Li Xiongbin

Test Mode: FM 107.9MHz Mode **Power Supply**: DC 14.4V

Condition: Temp:22.7°C;Humi:55.8% **Test Site**: DDT 3# Chamber

File Path: d:\ts\2026 report data\Q26011315-5E\FCC BELOW 1G FM 0428\30

Memo: Sample Number:S26011315-010



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	107.9	51.59	11.47	4.35	-32.31	35.10	68.00	32.90	PK	Horizontal
2	108.000	50.93	11.50	4.35	-32.31	34.47	43.50	9.03	PK	Horizontal
3	212.186	47.88	10.91	4.93	-32.40	31.32	43.50	12.18	PK	Horizontal
4	230.166	49.84	12.18	5.00	-32.40	34.62	46.00	11.38	PK	Horizontal
5	239.719	49.25	12.44	5.04	-32.40	34.33	46.00	11.67	PK	Horizontal
6	264.630	47.34	12.39	5.14	-32.40	32.47	46.00	13.53	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
2	108.000	49.39	11.50	4.35	32.93	68.00	35.07	QP	Horizontal
3	212.186	45.14	10.91	4.93	28.58	43.50	14.92	QP	Horizontal
4	230.166	47.1	12.18	5.00	31.88	46.00	14.12	QP	Horizontal
5	239.719	46.51	12.44	5.04	31.59	46.00	14.41	QP	Horizontal
6	264.630	45.14	12.39	5.14	30.27	46.00	15.73	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

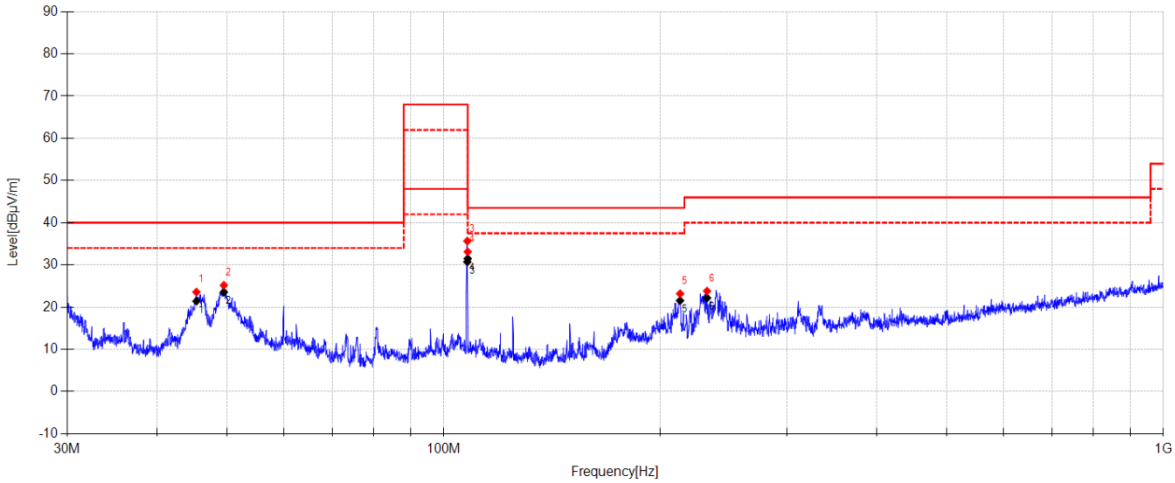
Test Date: 2026-04-28 **Tested By**: Li Xiongbin

Test Mode: FM 107.9MHz Mode **Power Supply**: DC 14.4V

Condition: Temp:22.7°C;Humi:55.8% **Test Site**: DDT 3# Chamber

File Path: d:\ts\2026 report data\Q26011315-5E\FCC BELOW 1G FM 0428\31

Memo: Sample Number:S26011315-010



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	45.340	38.67	13.26	3.95	-32.30	23.58	40.00	16.42	PK	Vertical
2	49.493	40.01	13.50	3.98	-32.30	25.19	40.00	14.81	PK	Vertical
3	107.9	52.20	11.43	4.35	-32.31	35.67	68.00	32.33	PK	Vertical
4	108.000	50.83	11.50	4.35	-32.31	34.37	43.50	9.13	PK	Vertical
5	213.081	39.62	11.03	4.93	-32.40	23.18	43.50	20.32	PK	Vertical
6	232.274	39.32	11.88	5.01	-32.40	23.81	46.00	22.19	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	45.340	36.5	13.26	3.95	21.41	40.00	18.59	QP	Vertical
2	49.493	38.38	13.50	3.98	23.56	40.00	16.44	QP	Vertical
4	108.000	49.06	11.50	4.35	32.60	68.00	35.40	QP	Vertical
5	213.081	37.99	11.03	4.93	21.55	43.50	21.95	QP	Vertical
6	232.274	37.69	11.88	5.01	22.18	46.00	23.82	QP	Vertical

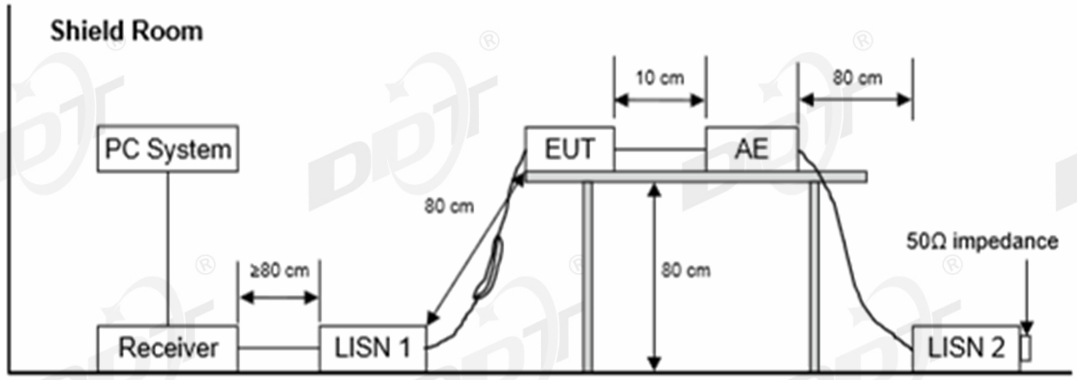
Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

7. Power Line Conducted Emissions

7.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI Test Receiver	R&S	ESCI 3	DDT-ZC01972	2027/02/27
Two Line V-Network	R&S	ENV216	DDT-ZC00586	2026/07/06
Pulse Limiter	R&S	KH43101	DDT-ZC00747	2027/02/27
Coaxial signal signal cable	H&S	RG214-5	DDT-ZC01817	2027/02/27
Conducted Radiated Software	Audix	e3	DDT-ZC00562	/
Two Line V-Network	R&S	ENV216	DDT-ZC02058	2026/07/06

7.2. Block diagram of test setup



7.3. 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.

7.4. Assistant equipment used for test

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

7.5. 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.

7.6. Test result

N/A

Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ Battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

9. Photos of the EUT

Please refer to DDT-Q26011315-3E appendix Ⅰ

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