



中国认可
国际互认
检测
TESTING
CNAS L6451



FCC AND ISED SDoC TEST REPORT

Applicant	:	XGIMI Technology Co., Ltd
Address of Applicant	:	Building No.4, Zone A, No.1129, Shijicheng Road, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone, China
Manufacturer	:	XGIMI Technology Co., Ltd
Address of Manufacturer	:	Building No.4, Zone A, No.1129, Shijicheng Road, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone, China
Equipment under Test	:	Projector
Model No.	:	XR03B
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart B ICES-003 Issue 7 ANSI C63.4:2014 ICES-GEN Issue 2
Report No.	:	DDT-RE25090923-1E01
Issue Date	:	2025/12/12
Issued 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	:	XGIMI Technology Co., Ltd
Address	:	Building No.4, Zone A, No.1129, Shijicheng Road, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone, China
Manufacturer	:	XGIMI Technology Co., Ltd
Address	:	Building No.4, Zone A, No.1129, Shijicheng Road, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone, China
Equipment under Test	:	Projector
Model No.	:	XR03B

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart B
ICES-003 Issue 7
ANSI C63.4:2014
ICES-GEN Issue 2

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-RE25090923-1E01		
Date of Receipt:	2025/10/18	Date of Test:	2025/10/18-2025/11/04
Created: Eddie Liu	Reviewed: Caesar Peng	Approved: Damon Hu	
Eddie Liu	Caesar Peng		
2025/11/11	2025/12/11	2025/12/12	

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	2025/12/12	Damon Hu

1. Summary of Test Results

EMISSION (EMI)			
Description of Test Item	Standard	Result	Memo
AC Power Port Conducted Emission	FCC Rules and Regulations Part 15 Subpart B, ICES-003 Issue 7, ANSI C63.4:2014, ICES-GEN Issue 2	PASS	/
Radiated Emissions Test	FCC Rules and Regulations Part 15 Subpart B, ICES-003 Issue 7, ANSI C63.4:2014, ICES-GEN Issue 2	PASS	/
Antenna Power Conduction Measurement for Antenna port of Receivers	FCC Rules and Regulations Part 15 Subpart B, ICES-003 Issue 7, ANSI C63.4:2014, ICES-GEN Issue 2	N/A	Antenna port
Note: All tests were conducted according to the customer's requirements.			

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: For the EMI measurements have made the EUT operated in a mode producing the highest emission level, and attempted to vary the configuration of the EUT radiated the highest emission. For the EMS measurements have made the EUT operated in the most sensitive mode.

2. General Test Information

2.1. Description of EUT

EUT* Name	: Projector
Model Number	: XR03B
Difference of model number	: /
EUT Function Description	: Please reference user manual of this device
Power Supply	: AC 100-240V/50/60Hz
EUT Class (Only For EMI)	: Class B
Maximum Work Frequency	: > 108 MHz
Sample Number	: S25090923-003,S25090923-006

Note 1: EUT is the abbreviation of equipment under test.

Note 2: “☑” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

Note 3: Equipment meeting Class A requirements may not offer adequate protection to broadcast services within a residential environment; The Class B requirements for equipment are intended to offer adequate protection to broadcast services within the residential environment. Equipment compliant with the class A requirements should have a warning notice in the user manual stating that it could cause radio interference. For example, Warning: Operation of this equipment in a residential environment could cause radio interference.

2.2. Primary function of EUT

Function	Description
☒ Bluetooth	Bluetooth
☒ Display and display output functions	4k/60Hz
☒ Networking	LAN port, Wi-Fi
☒ Networking functions	LAN
☒ Audio output function	Loudspeaker output, ARC output, OPT output

2.3. Port of EUT

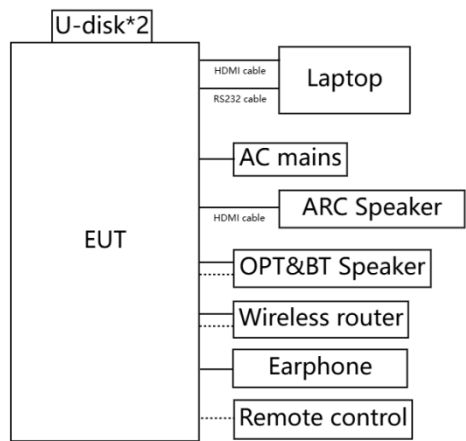
Port	Description
☒ Signal data/control port	USB port, OPT port, RS232 port
☒ AC mains power port	AC mains power port
☒ Audio output port	ARC output port, Earphone port, Loudspeaker port
☒ Video input port	HDMI in port
☒ Wired network port	LAN port
☒ Enclosure port	Enclosure port

2.4. Accessories of EUT

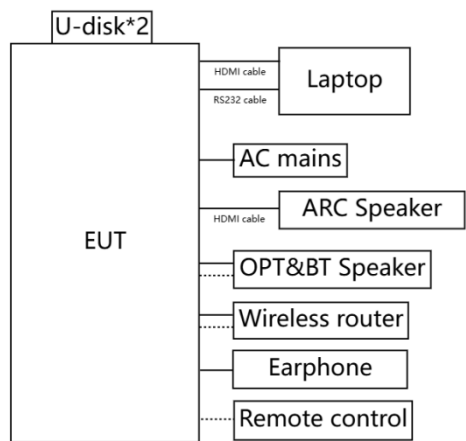
Accessories	Manufacturer	Model number	Description
Remote control	/	/	/

2.5. Block diagram EUT configuration for test

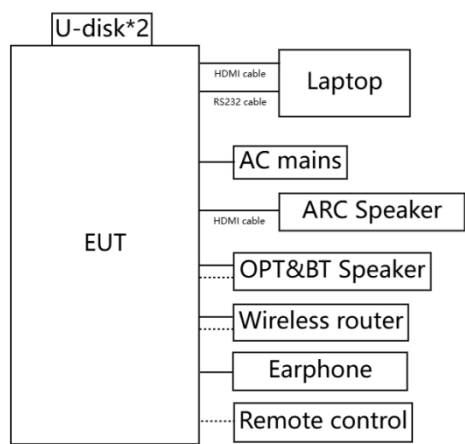
Mode 1:HDMI 1 in mode



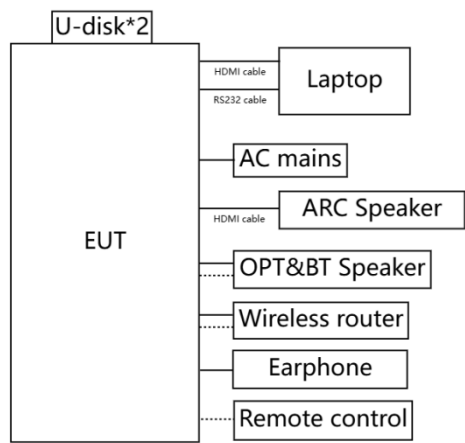
Mode 2:HDMI 2 in mode



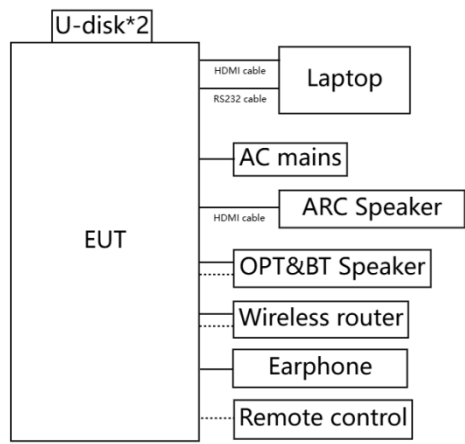
Mode 3:eARC mode



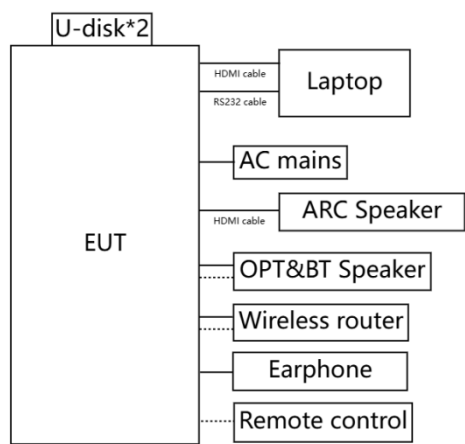
Mode 4:USB 3.0 mode



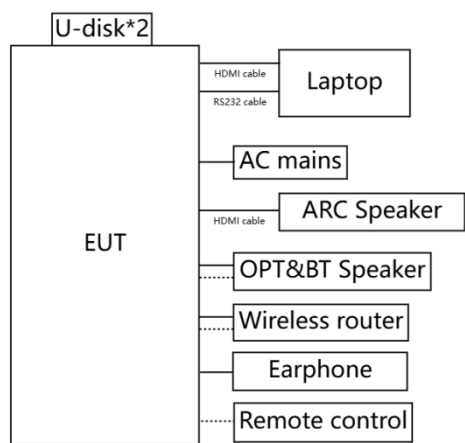
Mode 5:USB 2.0 mode



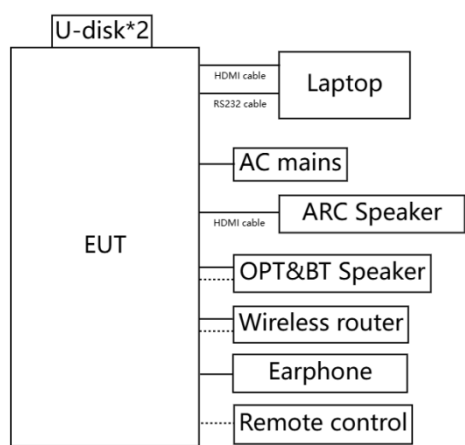
Mode 6:RS232 mode



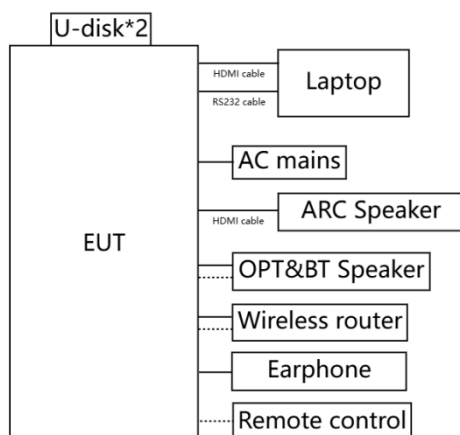
Mode 7:LAN mode



Mode 8:Bluetooth + 2.4GHz Wi-Fi mode



Mode 9:Bluetooth + 5GHz Wi-Fi mode



2.6. Decision of final test mode

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

Emission	AC Power Port Conducted Emission	Mode 1: HDMI 1 in mode
	Radiated Emissions Test	Mode 1: HDMI 1 in mode

2.7. Deviations of test standard

No deviation

2.8. Test environment conditions

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

Temperature range:	15-30°C
Humidity range:	25-75%
Pressure range:	86-106 kPa

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

2.9. 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

2.10. Measurement uncertainty

Test Item	Uncertainty
Conducted disturbance at mains terminals	1#: 3.72dB (9 kHz to 150 kHz), 3.34dB (150 kHz to 30 MHz)
	2#: 3.75dB (9 kHz to 150 kHz), 3.39dB (150 kHz to 30 MHz)
	3#: 3.78dB (9 kHz to 150 kHz), 3.37dB (150 kHz to 30 MHz)
Uncertainty for Antenna Power Conduction Measurement for Antenna port of Receivers	1#: AAN with aLCL = 55 ... 40 dBc: 3.64 dB
	AAN with aLCL = 65 ... 50 dBc: 4.08 dB
	AAN with aLCL = 75 ... 60 dBc: 4.56 dB
	2#: AAN with aLCL = 55 ... 40 dBc: 3.82 dB
	AAN with aLCL = 65 ... 50 dBc: 3.96 dB
	AAN with aLCL = 75 ... 60 dBc: 4.12 dB
Uncertainty for Radiation Emission test (30MHz-1GHz)	1#: 4.94 dB (Antenna Polarize: V)
	4.68 dB (Antenna Polarize: H)
	2#: 4.94 dB (Antenna Polarize: V)
	4.68 dB (Antenna Polarize: H)
	3#: 4.96 dB (Antenna Polarize: V)
	4.98 dB (Antenna Polarize: H)
	10m: 4.48 dB (Antenna Polarize: V)
	4.64 dB (Antenna Polarize: H)
Uncertainty for Radiation disturbance test (1GHz to 6GHz)	1#: 4.10 dB (1-6 GHz)
	3#: 4.54 dB (1-6 GHz)
Uncertainty for Radiation disturbance test (6GHz to 18GHz)	1#: 4.40 dB (6-18 GHz)
	3#: 4.80 dB (6-18 GHz)
Uncertainty for Radiation disturbance test (18GHz to 40GHz)	1#: 4.58 dB (18-40 GHz)
	3#: 4.58 dB (18-40 GHz)
Temperature	0.4 °C
Humidity	2%
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

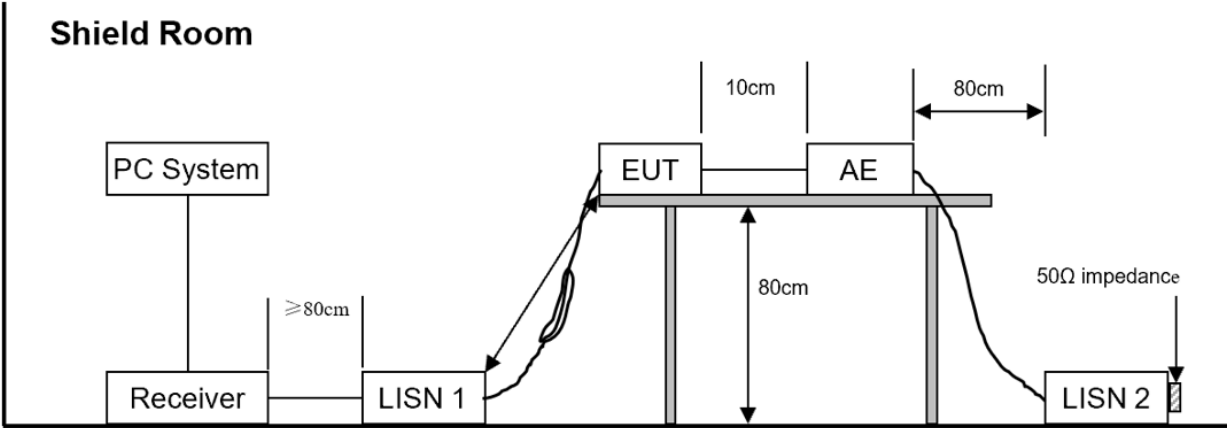
3. AC Power Port Conducted Emission

3.1. Test equipment

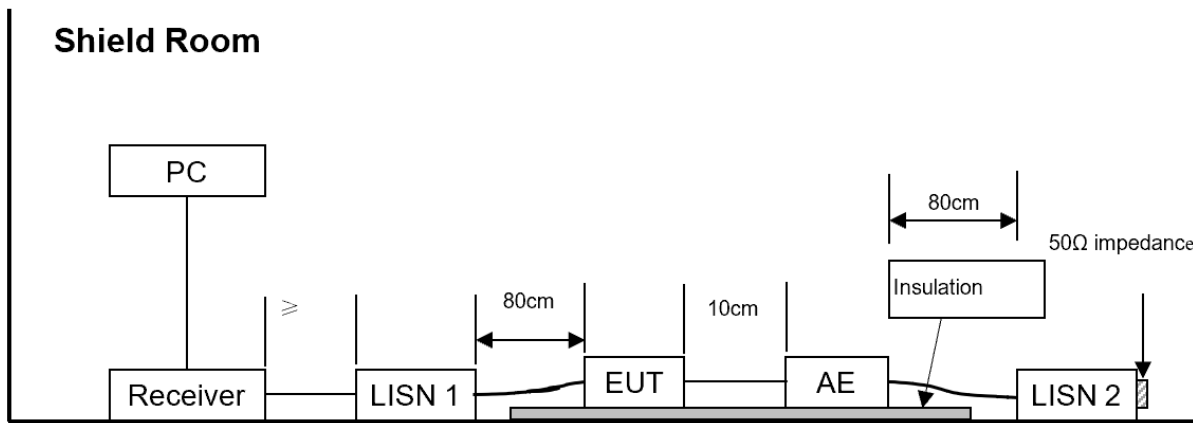
Equipment	Manufacturer	Model No.	Equipment No.	Cal Due To
EMI Test Receiver	R&S	ESCI	DDT-ZC00235	2026/07/06
Two Line V-Network	R&S	ENV216	DDT-ZC00535	2026/07/06
Artificial mains	R&S	ESH2-Z5	DDT-ZC00538	2026/07/06
Pulse Limiter	SCHWARZBEC K	ESH3-Z2	DDT-ZC00539	2026/07/06
CE Cable 1	R&S	ESU8/RF2	DDT-ZC00566	2026/07/06
Conducted Radiated Software	Audix	E3	DDT-ZC00562	/

3.2. Block diagram of test setup

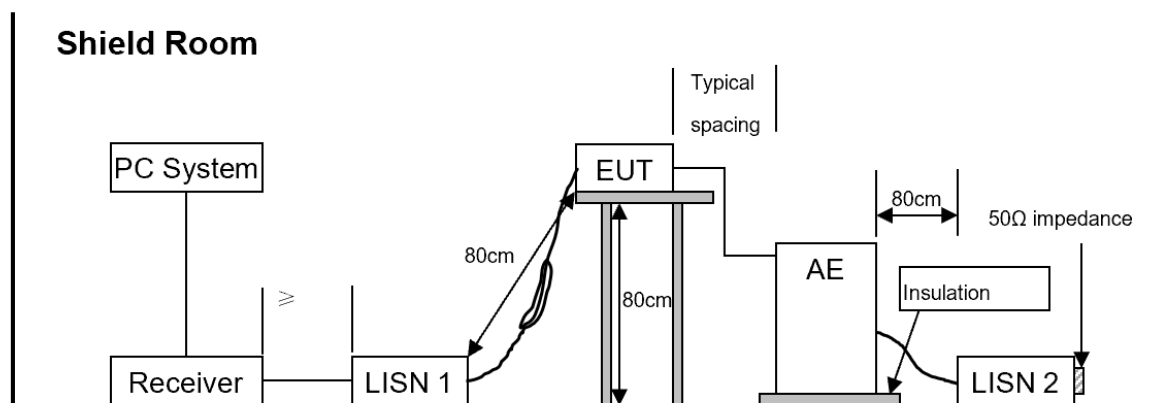
For table-top equipment



For floor standing equipment



For combinations equipment



3.3. Limits

Class A		
Frequency	Quasi-Peak Level dB(mV)	Average Level dB(mV)
150 kHz~500 kHz	79	66
500 kHz~30 MHz	73	60
Class B		
Frequency	Quasi-Peak Level dB(mV)	Average Level dB(mV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50
Notes:		
1. * Decreasing linearly with logarithm of frequency.		
2. The lower limit shall apply at the transition frequencies.		

3.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/
Router	Mi	R4A	/	/
Earphone	N/A	N/A	/	/
USB Flash	Kingston	DT101 G2	/	/
Speaker	N/A	Bar 2.0	/	/
Speaker	JBL	JBL GO	/	/

3.5. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 0.8m (table-top device)/0.1m (floor stand device) above the ground plane.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

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 30MHz for emissions in each of the test modes.

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

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.

3.6. Test result

Pass. (See below detailed test result)

Note 1: All emissions not reported below are too low against the prescribed limits.

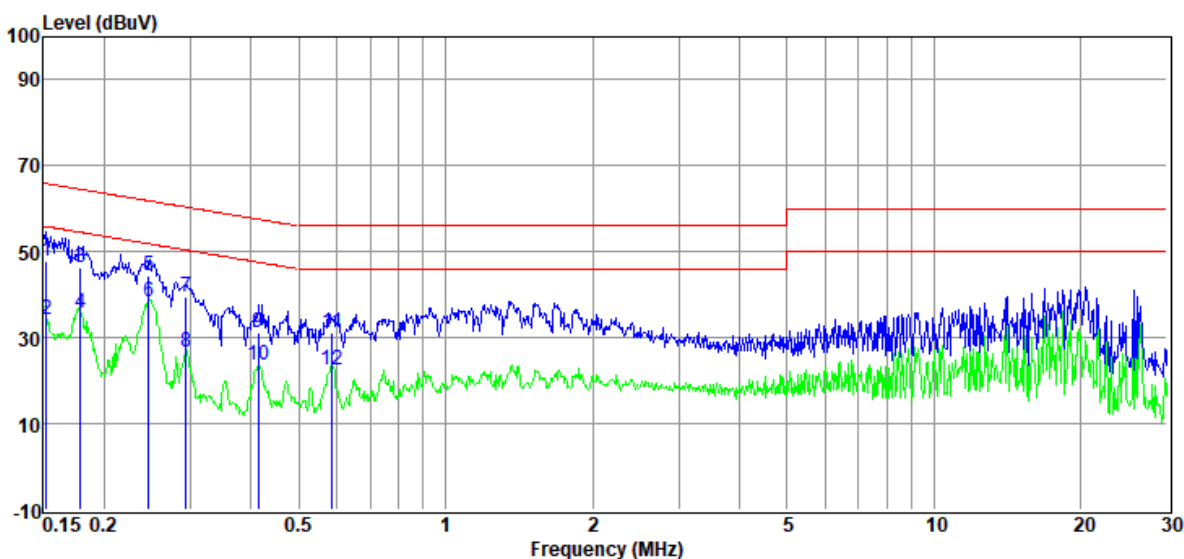
Note 2: "----" means Peak detection; "----" means Average detection.

3.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room D:\2025 CE report data\Q25090923-1E\1018 CE.EM6
Test Date : 2025-10-18 Tested By : Aaron Liu
Power Supply : AC 240V/50Hz Test Mode : HDMI 1 in mode
Condition : TEMP:23.4°C, RH:61.2% LISN : 2025 1# 216/LINE
Sample No. : S25090923-003

Data: 2



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	28.03	9.85	0.05	9.89	47.82	65.87	18.05	QP	LINE
2	0.15	14.28	9.85	0.05	9.89	34.07	55.87	21.80	Average	LINE
3	0.18	26.70	9.83	0.06	9.89	46.48	64.55	18.07	QP	LINE
4	0.18	15.86	9.83	0.06	9.89	35.64	54.55	18.91	Average	LINE
5	0.25	24.68	9.82	0.06	9.89	44.45	61.86	17.41	QP	LINE
6	0.25	18.51	9.82	0.06	9.89	38.28	51.86	13.58	Average	LINE
7	0.29	19.83	9.71	0.06	9.89	39.49	60.41	20.92	QP	LINE
8	0.29	6.95	9.71	0.06	9.89	26.61	50.41	23.80	Average	LINE
9	0.41	11.36	9.70	0.08	9.89	31.03	57.59	26.56	QP	LINE
10	0.41	3.93	9.70	0.08	9.89	23.60	47.59	23.99	Average	LINE
11	0.59	11.35	9.92	0.10	9.89	31.26	56.00	24.74	QP	LINE
12	0.59	2.69	9.92	0.10	9.89	22.60	46.00	23.40	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 1# Shield Room

D:\2025 CE report data\Q25090923-1E\1018 CE.EM6

Test Date : 2025-10-18

Tested By : Aaron Liu

Power Supply : AC 240V/50Hz

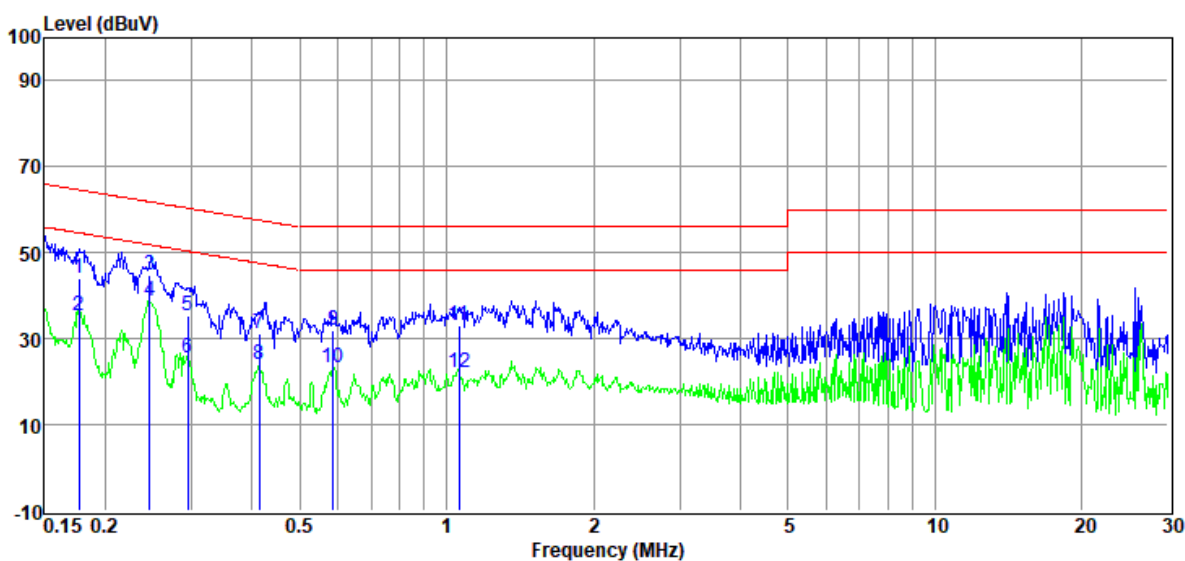
Test Mode : HDMI 1 in mode

Condition : TEMP:23.4°C, RH:61.2%

LISN : 2025 1# 216/NEUTRAL

Sample No. : S25090923-003

Data: 4



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.18	24.36	9.72	0.06	9.89	44.03	64.64	20.61	QP	NEUTRAL
2	0.18	15.82	9.72	0.06	9.89	35.49	54.64	19.15	Average	NEUTRAL
3	0.25	24.85	9.84	0.06	9.89	44.64	61.86	17.22	QP	NEUTRAL
4	0.25	18.96	9.84	0.06	9.89	38.75	51.86	13.11	Average	NEUTRAL
5	0.30	15.83	9.67	0.06	9.89	35.45	60.37	24.92	QP	NEUTRAL
6	0.30	5.80	9.67	0.06	9.89	25.42	50.37	24.95	Average	NEUTRAL
7	0.41	11.38	9.82	0.08	9.89	31.17	57.59	26.42	QP	NEUTRAL
8	0.41	4.29	9.82	0.08	9.89	24.08	47.59	23.51	Average	NEUTRAL
9	0.59	12.16	9.88	0.10	9.89	32.03	56.00	23.97	QP	NEUTRAL
10	0.59	3.24	9.88	0.10	9.89	23.11	46.00	22.89	Average	NEUTRAL
11	1.06	13.09	9.92	0.15	9.90	33.06	56.00	22.94	QP	NEUTRAL
12	1.06	2.06	9.92	0.15	9.90	22.03	46.00	23.97	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.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room

D:\2025 CE report data\Q25090923-1E\1018 CE.EM6

Test Date : 2025-10-18

Tested By : Aaron Liu

Power Supply : AC 120V/60Hz

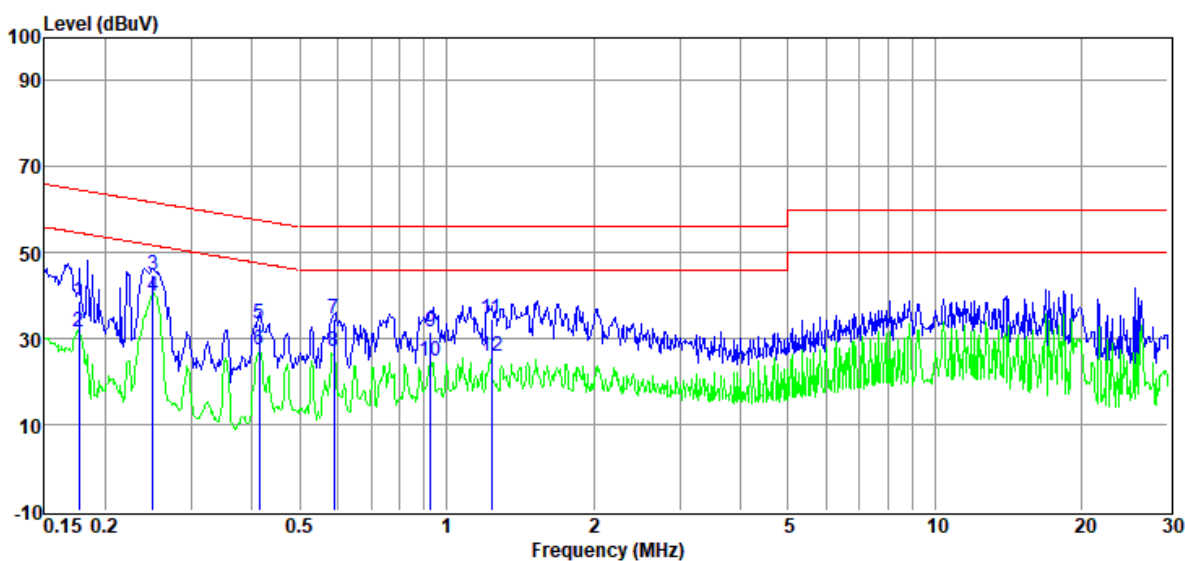
Test Mode : HDMI 1 in mode

Condition : TEMP:23.4°C, RH:61.2%

LISN : 2025 1# 216/NEUTRAL

Sample No. : S25090923-003

Data: 6



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.18	18.93	9.72	0.06	9.89	38.60	64.64	26.04	QP	NEUTRAL
2	0.18	11.91	9.72	0.06	9.89	31.58	54.64	23.06	Average	NEUTRAL
3	0.25	24.86	9.84	0.06	9.89	44.65	61.73	17.08	QP	NEUTRAL
4	0.25	20.23	9.84	0.06	9.89	40.02	51.73	11.71	Average	NEUTRAL
5	0.41	13.78	9.82	0.08	9.89	33.57	57.59	24.02	QP	NEUTRAL
6	0.41	7.70	9.82	0.08	9.89	27.49	47.59	20.10	Average	NEUTRAL
7	0.59	14.66	9.88	0.10	9.89	34.53	56.00	21.47	QP	NEUTRAL
8	0.59	7.03	9.88	0.10	9.89	26.90	46.00	19.10	Average	NEUTRAL
9	0.93	11.56	9.89	0.14	9.90	31.49	56.00	24.51	QP	NEUTRAL
10	0.93	4.83	9.89	0.14	9.90	24.76	46.00	21.24	Average	NEUTRAL
11	1.24	14.57	9.89	0.16	9.90	34.52	56.00	21.48	QP	NEUTRAL
12	1.24	5.98	9.89	0.16	9.90	25.93	46.00	20.07	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.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room

D:\2025 CE report data\Q25090923-1E\1018 CE.EM6

Test Date : 2025-10-18

Tested By : Aaron Liu

Power Supply : AC 120V/60Hz

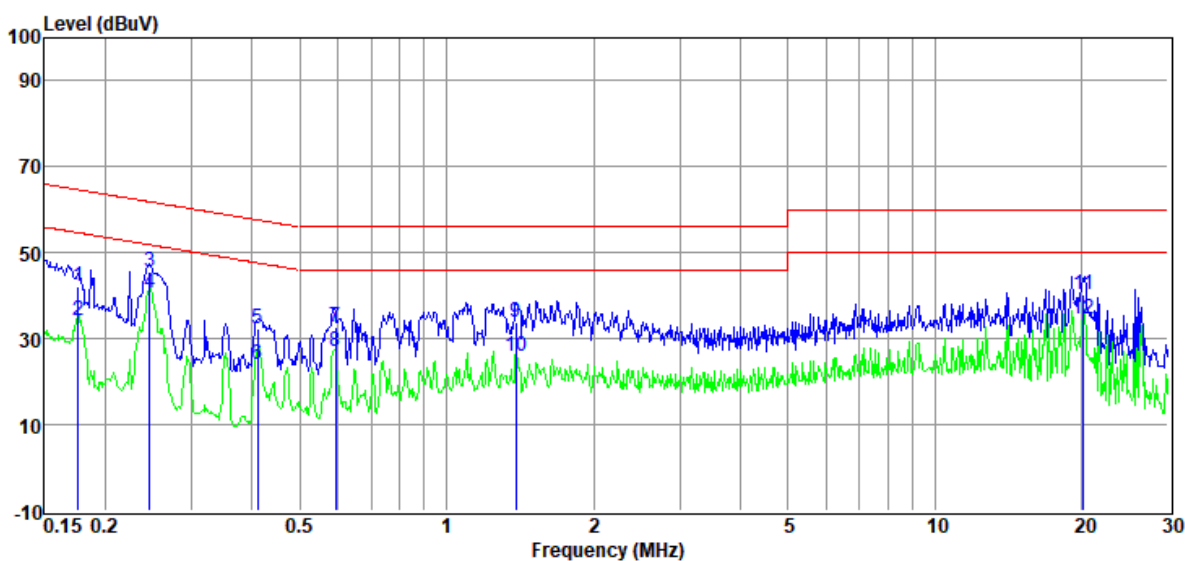
Test Mode : HDMI 1 in mode

Condition : TEMP:23.4°C, RH:61.2%

LISN : 2025 1# 216/LINE

Sample No. : S25090923-003

Data: 8



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Margin	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.18	22.52	9.84	0.06	9.89	42.31	64.68	22.37	QP	LINE
2	0.18	14.45	9.84	0.06	9.89	34.24	54.68	20.44	Average	LINE
3	0.25	25.71	9.82	0.06	9.89	45.48	61.86	16.38	QP	LINE
4	0.25	21.04	9.82	0.06	9.89	40.81	51.86	11.05	Average	LINE
5	0.41	12.52	9.70	0.08	9.89	32.19	57.64	25.45	QP	LINE
6	0.41	4.53	9.70	0.08	9.89	24.20	47.64	23.44	Average	LINE
7	0.59	12.77	9.93	0.10	9.89	32.69	56.00	23.31	QP	LINE
8	0.59	6.96	9.93	0.10	9.89	26.88	46.00	19.12	Average	LINE
9	1.39	14.08	9.88	0.16	9.90	34.02	56.00	21.98	QP	LINE
10	1.39	5.93	9.88	0.16	9.90	25.87	46.00	20.13	Average	LINE
11	20.16	19.54	10.39	0.41	9.95	40.29	60.00	19.71	QP	LINE
12	20.16	13.73	10.39	0.41	9.95	34.48	50.00	15.52	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.

3.8. Test photo



4. Radiated Emissions Test

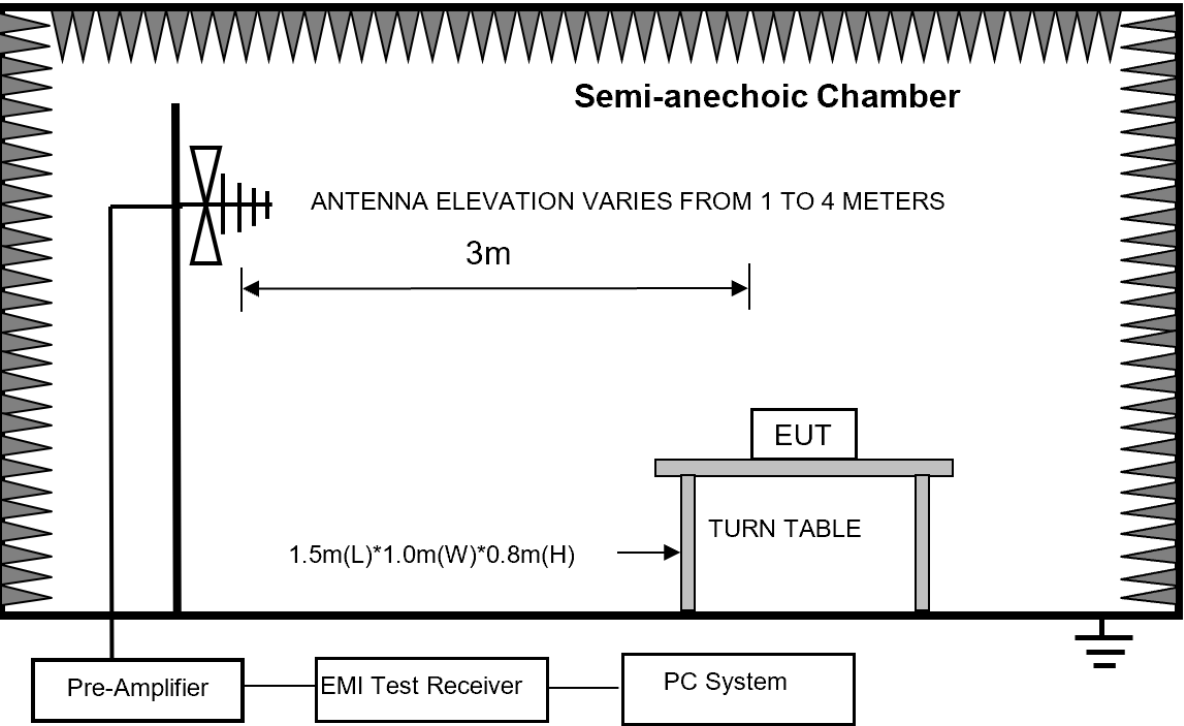
4.1. Test equipment

Equipment	Manufacturer	Model No.	Equipment No.	Cal Due To
Spectrum Analyzer	Agilent	E4440A	DDT-ZC01445	2026/03/28
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01
Horn Antenna	SCHWARZBEC K	BBHA9120 D	DDT-ZC01218	2026/08/13
Preamplifier	COM-POWER	PAM-118A	DDT-ZC01489	2026/08/10
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28
EMI Test Software	Audix/TW	e3	DDT-ZC01252	/
RF cable	Zhongke Junchuang	JCTB810-NJ-NJ- 7M	DDT-ZC02759	2026/07/22
EMI Test Receiver	R&S	ESCI 3	DDT-ZC01972	2026/03/28
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2026/08/18
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC00246	2026/07/18
RF Cable	H&S	RG214-11	DDT-ZC01497	2026/03/28
EMI Test Software	Audix/TW	e3	DDT-ZC01252	/
Horn Antenna	SCHWARZBEC K	BBHA9120 D	DDT-ZC01218	2026/08/13
Preamplifier	COM-POWER	PAM-118A	DDT-ZC01489	2026/08/10
Spectrum Analyzer	Agilent	E4440A	DDT-ZC01445	2026/03/28
RF cable	Zhongke Junchuang	JCTB810-NJ-NJ- 7M	DDT-ZC02759	2026/07/22

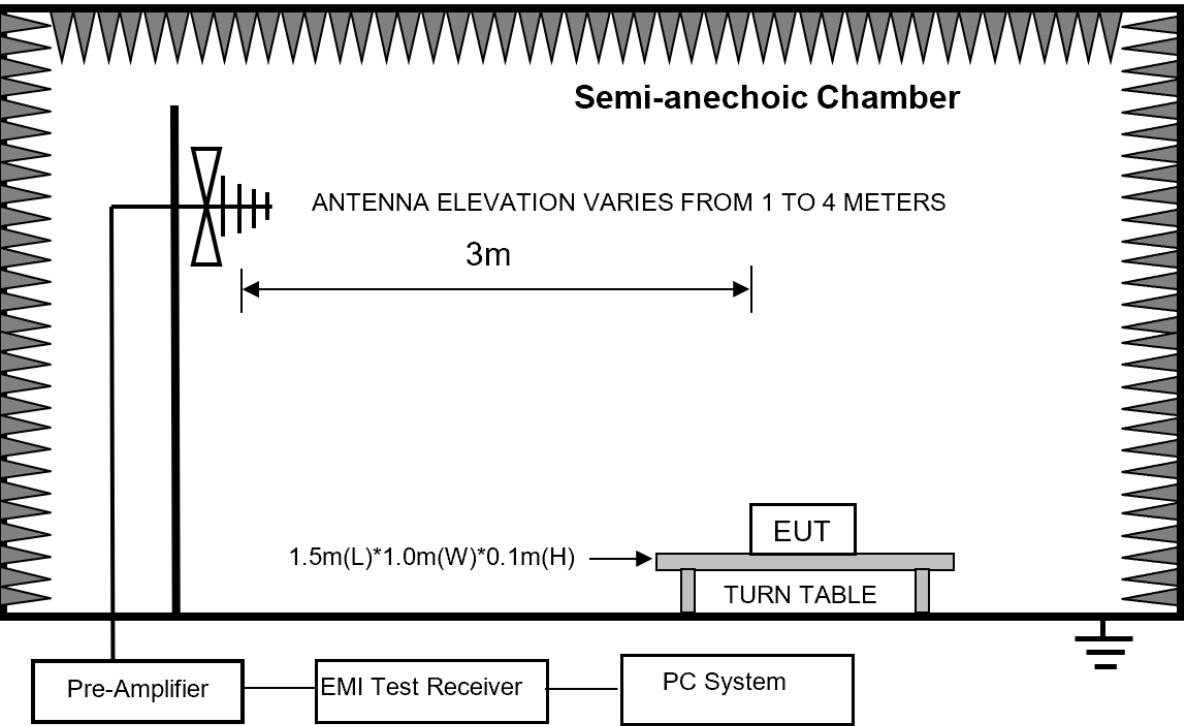
4.2. Block diagram of test setup

Below 1 GHz

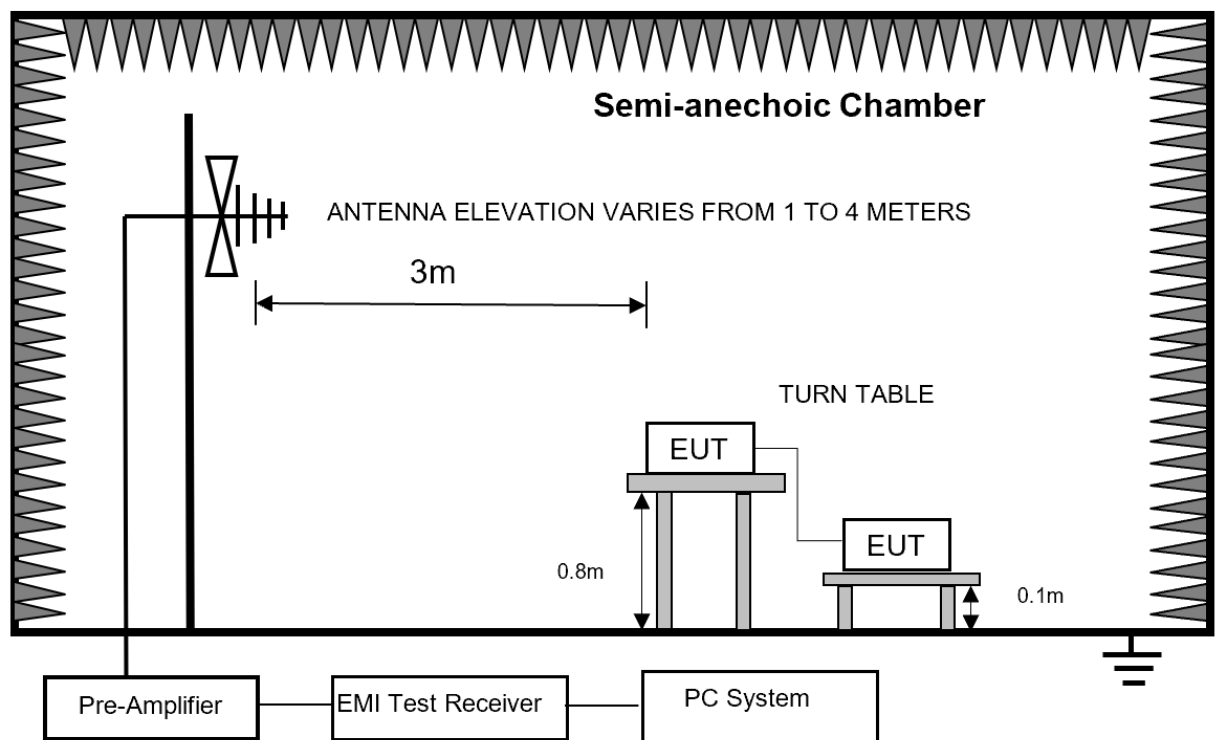
For table-top equipment



For floor standing equipment

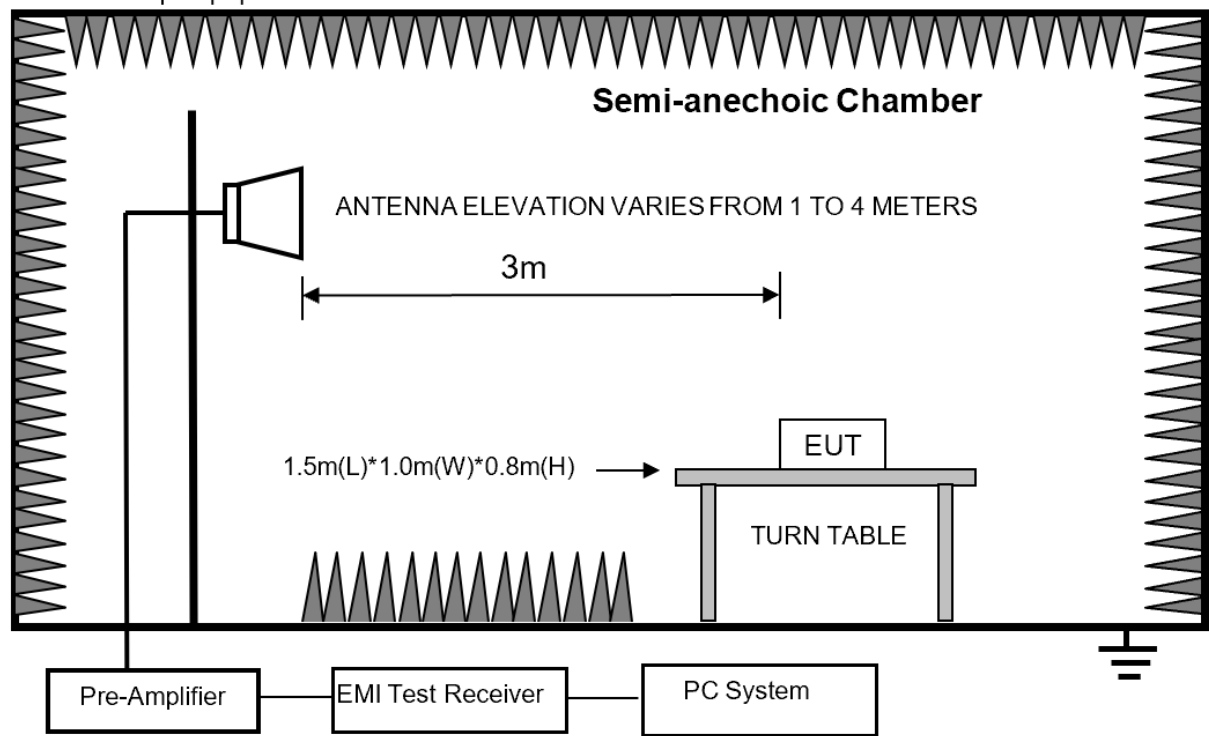


For combinations equipment

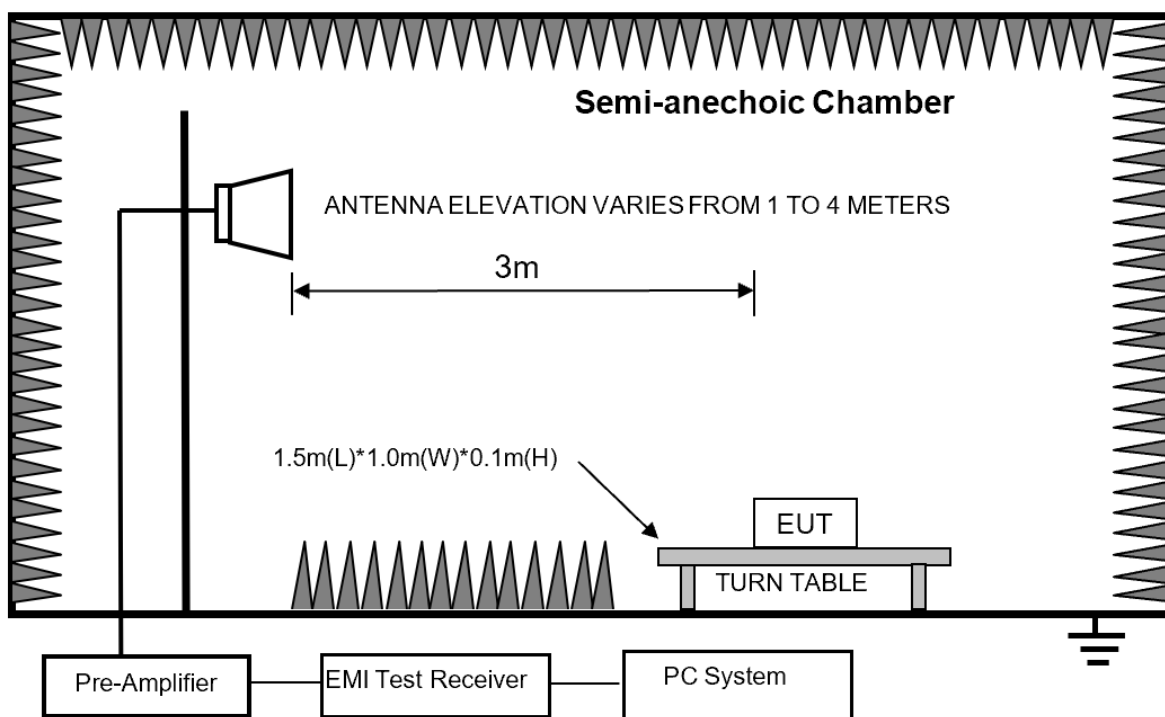


Above 1 GHz

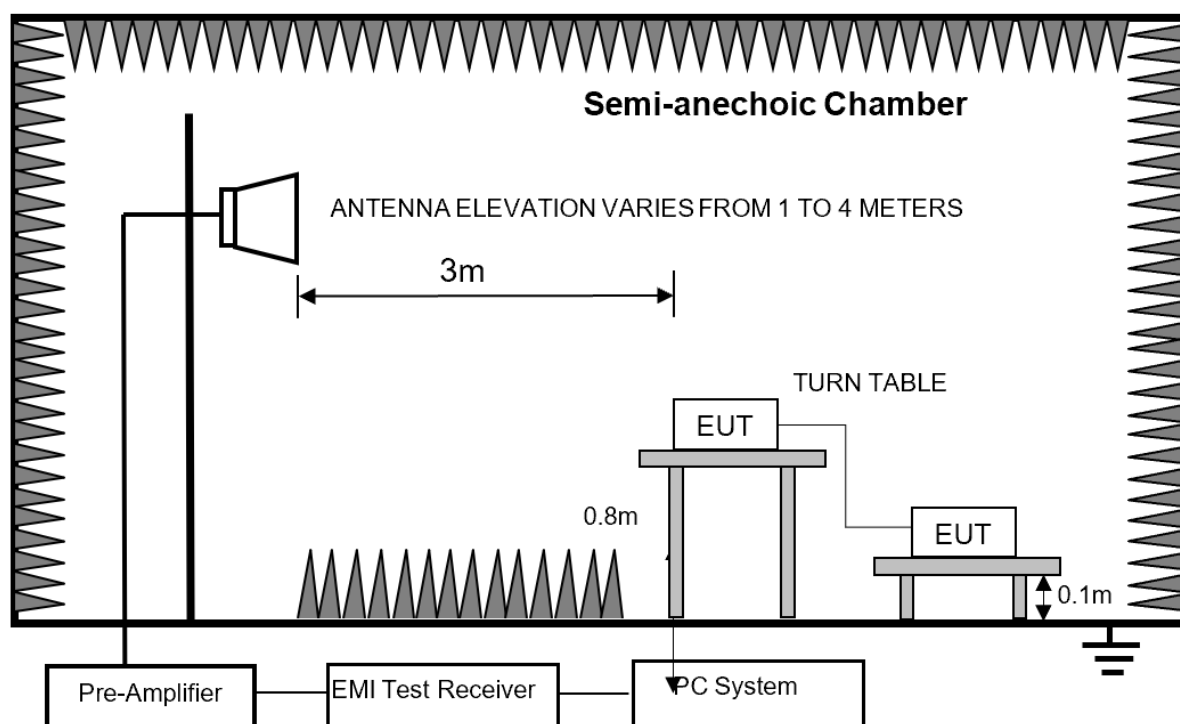
For table-top equipment



For floor standing equipment



For combinations equipment



4.3. Limits

For FCC Rules and Regulations Part 15 Subpart B limits:

Frequency (MHz)	Class A Field Strengths Limits at 10m measuring distance dB(mV)/m	Class A Field Strengths Limits at 3m measuring distance dB(mV)/m	Class B Field Strengths Limits at 10m measuring distance dB(mV)/m	Class B Field Strengths Limits at 3m measuring distance dB(mV)/m
30--88	39.0	49.5	29.5	40.0
88--216	43.5	54.0	33.0	43.5
216--960	46.4	57.0	35.5	46.0
960--1000	49.5	60.0	43.5	54.0
Above 1000	/	80.0 (Peak), 60.0 (Average)	/	74.0 (Peak), 54.0 (Average)

For ICES-003 Issue 7 limits:

Frequency (MHz)	Class A Field Strengths Limits at 10m measuring distance dB(mV)/m	Class A Field Strengths Limits at 3m measuring distance dB(mV)/m	Class B Field Strengths Limits at 10m measuring distance dB(mV)/m	Class B Field Strengths Limits at 3m measuring distance dB(mV)/m
30--88	40.0	50.0	30.0	40.0
88--216	43.5	54.0	33.1	43.5
216--230	46.4	56.9	35.6	46.0
230--960	47.0	57.0	37.0	47.0
960--1000	49.5	60.0	43.5	54.0
Above 1000	/	80.0 (Peak), 60.0 (Average)	/	74.0 (Peak), 54.0 (Average)

Note: (1) The smaller limit shall apply at the cross point between two frequency bands.

Note: (2) If results comply with the FCC part 15 limits, then they are also comply with the ICES-003 limits.

Note: (3) Test receiver use the Quasi-peak detector for testing in below 1GHz.

4.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Earphone	N/A	N/A	/	/
Laptop	HP	HP ZHAN 66 Pro A 14 G5	/	/
USB Flash	Kingston	DT101 G2	/	/
Speaker	Edifier	R1280DBs	/	/
Speaker	JBL	JBL GO	/	/
Speaker	N/A	Bar 2.0	/	/
Router	Mi	R4A	/	/

4.5. Test procedure

Procedure of Preliminary Test

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 0.8m (table-top device)/0.1m (floor stand device) above the ground plane.

Configuration EUT to simulate typical usage as described in as shown above block diagram and equipment list of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

Mains cables, telephone lines or other connections to auxiliary equipment located outside the test are shall drape to the floor, be fitted with ferrite clamps or ferrite tubes placed on the floor at the point where the cable reaches the floor and then routed to the place where they leave the turntable. No extension cords shall be used to mains receptacle.

The antenna was placed at 3 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.

The Analyzer / Receiver quickly scanned from 30 MHz to 18 GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

After the preliminary scan, we found the test mode producing the highest emission level. The EUT and cable configuration, antenna position, polarization and turntable position of the above highest emission level were recorded for the final test.

Procedure of Final Test

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

The Analyzer / Receiver scanned from 30 MHz to 18 GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

Recorded at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and only Q.P. reading is presented.

For emissions from 30 MHz to 1 GHz, Quasi-Peak values were measured with EMI Receiver and the bandwidth of Receiver is 120 kHz.

For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz VBW is set at 3 MHz.

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

4.6. Test result

Pass. (See below detailed test result)

Note 1: All emissions not reported below are too low against the prescribed limits.

Note 2: "----" means Peak detection.

Note 3: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

4.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2025 RE2# Report Data\Q25090923-1E\1104 RE.EM6

Test Date : 2025-11-04

Tested By : Andy Li

Power Supply : AC 240V/50Hz

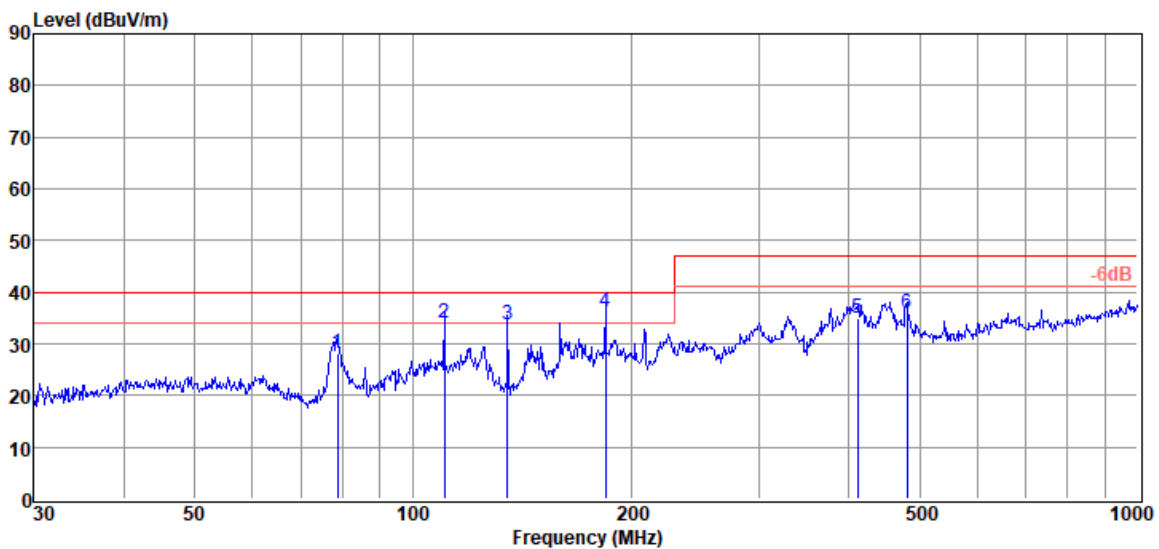
Test Mode : HDMI 1 in mode

Condition : Temp:22.4°C,Humi:54.2%

Antenna/Distance : 2025 2# ANT 9163/3m/HORIZONTAL

Sample No. : S25090923-006

Data: 1



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	78.69	15.73	8.21	4.30	28.24	40.00	11.76	QP	HORIZONTAL
2	110.57	17.84	11.74	4.57	34.15	40.00	5.85	QP	HORIZONTAL
3	135.03	20.59	8.19	4.78	33.56	40.00	6.44	QP	HORIZONTAL
4	184.49	21.10	9.90	5.12	36.12	40.00	3.88	QP	HORIZONTAL
5	410.38	12.97	15.40	6.43	34.80	47.00	12.20	QP	HORIZONTAL
6	480.53	12.58	16.58	6.83	35.99	47.00	11.01	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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 Site : DDT 3m Chamber 2# D:\2025 RE2# Report Data\Q25090923-1E\1104 RE.EM6

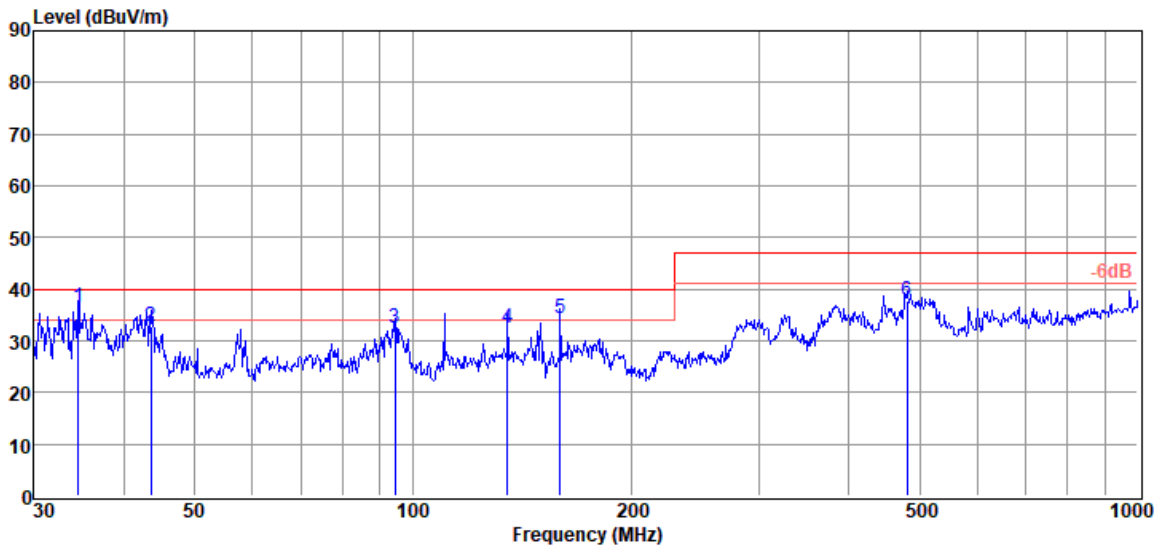
Test Date : 2025-11-04 Tested By : Andy Li

Power Supply : AC 240V/50Hz Test Mode : HDMI 1 in mode

Condition : Temp:22.4°C,Humi:54.2% Antenna/Distance : 2025 2# ANT 9163/3m/VERTICAL

Sample No. : S25090923-006

Data: 2



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	34.52	21.61	11.25	3.75	36.61	40.00	3.39	QP	VERTICAL
2	43.51	15.33	13.55	3.91	32.79	40.00	7.21	QP	VERTICAL
3	94.43	17.54	10.43	4.42	32.39	40.00	7.61	QP	VERTICAL
4	135.03	19.38	8.19	4.78	32.35	40.00	7.65	QP	VERTICAL
5	159.78	20.56	8.76	4.96	34.28	40.00	5.72	QP	VERTICAL
6	480.53	14.26	16.58	6.83	37.67	47.00	9.33	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
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 Site : DDT 3m Chamber 2#

D:\2025 RE2# Report Data\Q25090923-1E\1104 RE.EM6

Test Date : 2025-11-04

Tested By : Andy Li

Power Supply : AC 120V/60Hz

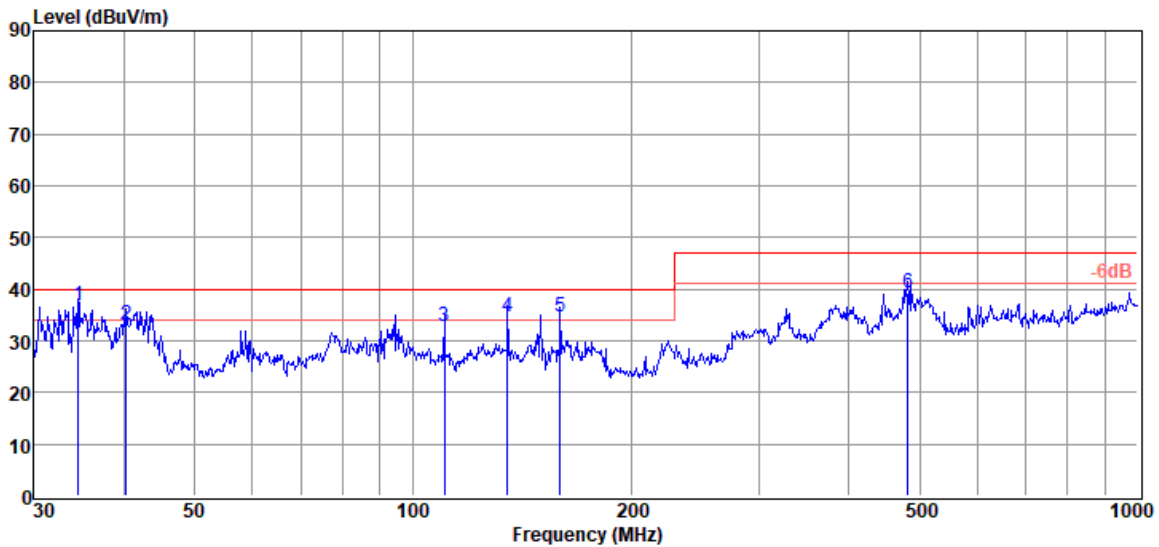
Test Mode : HDMI 1 in mode

Condition : Temp:22.4°C,Humi:54.2%

Antenna/Distance : 2025 2# ANT 9163/3m/VERTICAL

Sample No. : S25090923-006

Data: 3



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	34.52	21.81	11.25	3.75	36.81	40.00	3.19	QP	VERTICAL
2	40.28	16.47	12.73	3.86	33.06	40.00	6.94	QP	VERTICAL
3	110.57	16.50	11.74	4.57	32.81	40.00	7.19	QP	VERTICAL
4	135.03	21.72	8.19	4.78	34.69	40.00	5.31	QP	VERTICAL
5	159.78	20.89	8.76	4.96	34.61	40.00	5.39	QP	VERTICAL
6	482.22	15.95	16.51	6.84	39.30	47.00	7.70	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

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 Site

: DDT 3m Chamber 2#

Test Date

: 2025-11-04

Power Supply

: AC 120V/60Hz

Condition

: Temp:22.4°C,Humi:54.2%

Sample No.

: S25090923-006

D:\2025 RE2# Report Data\Q25090923-1E\1104 RE.EM6

Tested By

: Andy Li

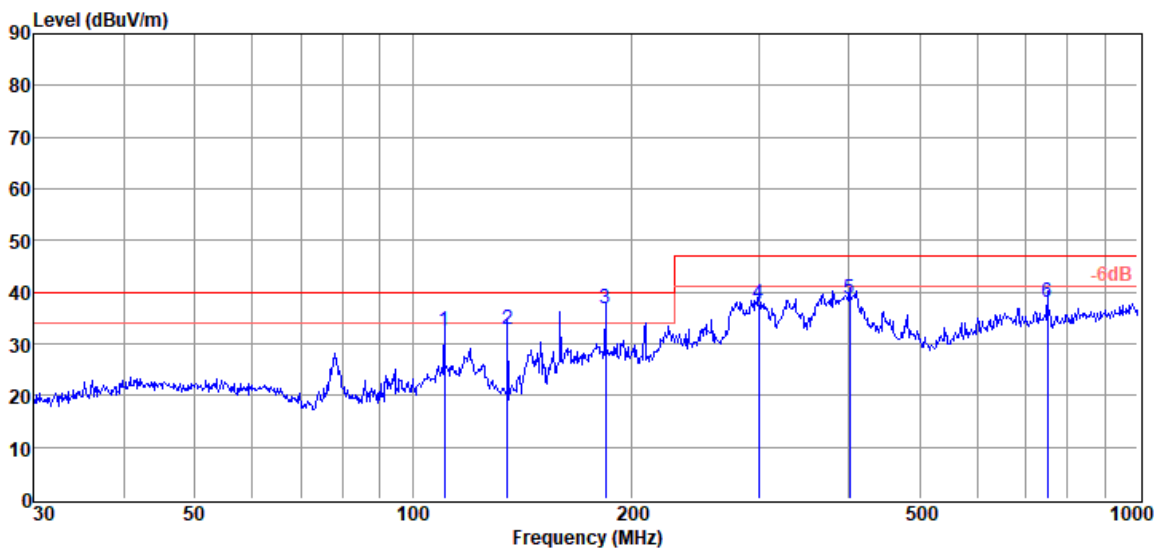
Test Mode

: HDMI 1 in mode

Antenna/Distance

: 2025 2# ANT 9163/3m/HORIZONTAL

Data: 4



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector	Polarization
1	110.57	16.12	11.74	4.57	32.43	40.00	7.57	QP	HORIZONTAL
2	135.03	19.74	8.19	4.78	32.71	40.00	7.29	QP	HORIZONTAL
3	184.49	21.80	9.90	5.12	36.82	40.00	3.18	QP	HORIZONTAL
4	300.37	18.68	13.31	5.76	37.75	47.00	9.25	QP	HORIZONTAL
5	400.43	16.77	15.65	6.37	38.79	47.00	8.21	QP	HORIZONTAL
6	750.11	9.62	20.50	8.07	38.19	47.00	8.81	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
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 Site

: DDT 3m Chamber 1#

D\2025 RE 1# Report data\Q25090923-1E\1020 RE-H.EM6

Test Date

: 2025-10-20

Tested By

: Li guilin

Power Supply

: AC 240V/50Hz

Test Mode

: HDMI 1 in mode

Condition

: Temp:19.4°C,Humi:60.9%

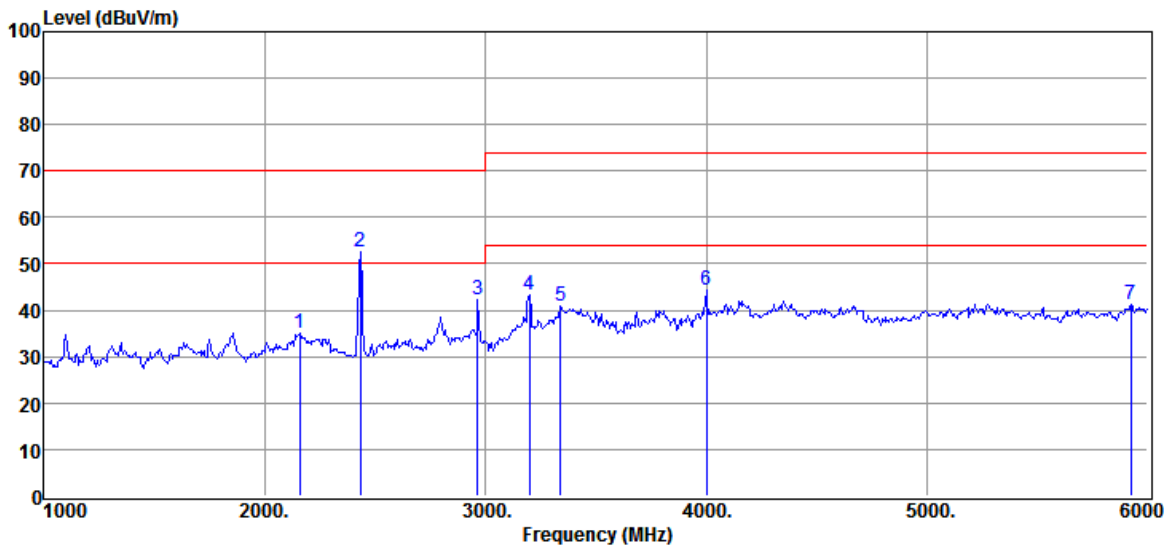
Antenna/Distance

: 2025 9120D 1#/3m/VERTICAL

Sample No.

: S25090923-003

Data: 1



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2160.00	55.98	27.20	53.08	4.94	35.04	70.00	-34.96	Peak	VERTICAL
2	2435.00	72.62	27.74	53.06	5.17	52.47	Carrier Frequency			VERTICAL
3	2965.00	61.36	28.44	53.00	5.60	42.40	70.00	-27.60	Peak	VERTICAL
4	3200.00	61.84	28.70	53.12	5.81	43.23	74.00	-30.77	Peak	VERTICAL
5	3340.00	59.17	29.06	53.20	5.93	40.96	74.00	-33.04	Peak	VERTICAL
6	4000.00	61.54	29.90	53.60	6.52	44.36	74.00	-29.64	Peak	VERTICAL
7	5925.00	54.91	33.05	54.40	7.65	41.21	74.00	-32.79	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
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 Site

: DDT 3m Chamber 1#

Test Date

: 2025-10-20

Power Supply

: AC 240V/50Hz

Condition

: Temp:19.4°C,Humi:60.9%

Sample No.

: S25090923-003

D\2025 RE 1# Report data\Q25090923-1E\1020 RE-H.EM6

Tested By

: Li guilin

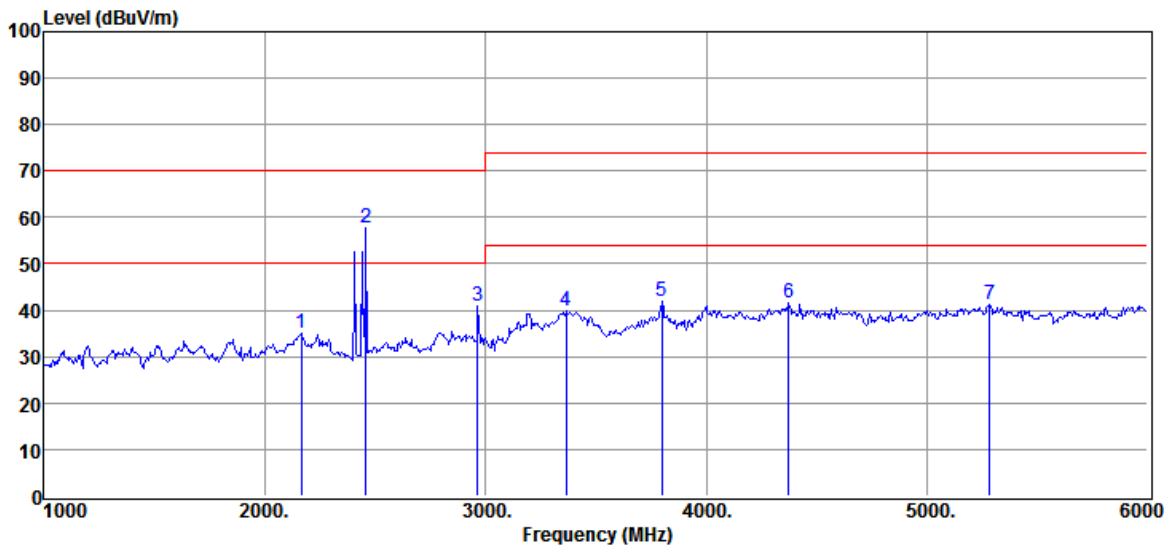
Test Mode

: HDMI 1 in mode

Antenna/Distance

: 2025 9120D 1#/3m/HORIZONTAL

Data: 2



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2165.00	56.14	27.20	53.08	4.95	35.21	70.00	-34.79	Peak	HORIZONTAL
2	2460.00	77.82	27.68	53.05	5.19	57.64	Carrier Frequency			HORIZONTAL
3	2965.00	59.92	28.44	53.00	5.60	40.96	70.00	-29.04	Peak	HORIZONTAL
4	3365.00	58.08	28.89	53.22	5.95	39.70	74.00	-34.30	Peak	HORIZONTAL
5	3800.00	58.90	30.10	53.48	6.34	41.86	74.00	-32.14	Peak	HORIZONTAL
6	4375.00	57.72	30.60	53.45	6.70	41.57	74.00	-32.43	Peak	HORIZONTAL
7	5285.00	55.03	32.72	53.57	7.20	41.38	74.00	-32.62	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
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 Site

: DDT 3m Chamber 1#

Test Date

: 2025-10-20

Power Supply

: AC 120V/60Hz

Condition

: Temp:19.4°C,Humi:60.9%

Sample No.

: S25090923-003

D\2025 RE 1# Report data\Q25090923-1E\1020 RE-H.EM6

Tested By

: Li guilin

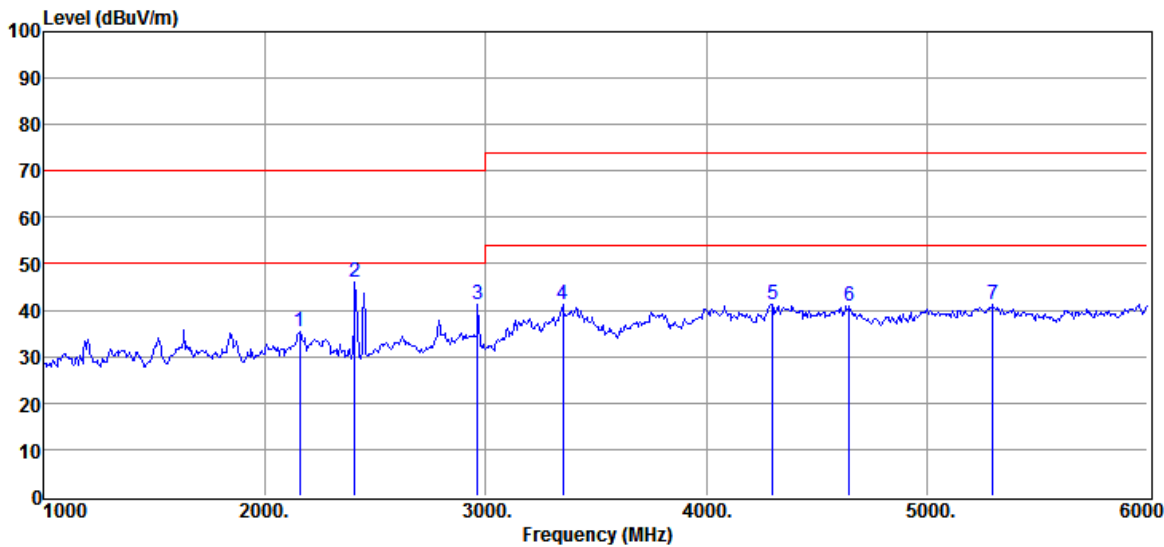
Test Mode

: HDMI 1 in mode

Antenna/Distance

: 2025 9120D 1#/3m/HORIZONTAL

Data: 3



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2160.00	56.33	27.20	53.08	4.94	35.39	70.00	-34.61	Peak	HORIZONTAL
2	2410.00	66.49	27.64	53.06	5.15	46.22	Carrier Frequency			HORIZONTAL
3	2965.00	60.30	28.44	53.00	5.60	41.34	70.00	-28.66	Peak	HORIZONTAL
4	3350.00	59.33	29.10	53.21	5.94	41.16	74.00	-32.84	Peak	HORIZONTAL
5	4300.00	58.02	30.20	53.48	6.66	41.40	74.00	-32.60	Peak	HORIZONTAL
6	4650.00	56.07	31.50	53.34	6.83	41.06	74.00	-32.94	Peak	HORIZONTAL
7	5300.00	54.95	32.60	53.59	7.21	41.17	74.00	-32.83	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
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 Site

: DDT 3m Chamber 1#

Test Date

: 2025-10-20

Power Supply

: AC 120V/60Hz

Condition

: Temp:19.4°C,Humi:60.9%

Sample No.

: S25090923-003

D\2025 RE 1# Report data\Q25090923-1E\1020 RE-H.EM6

Tested By

: Li guilin

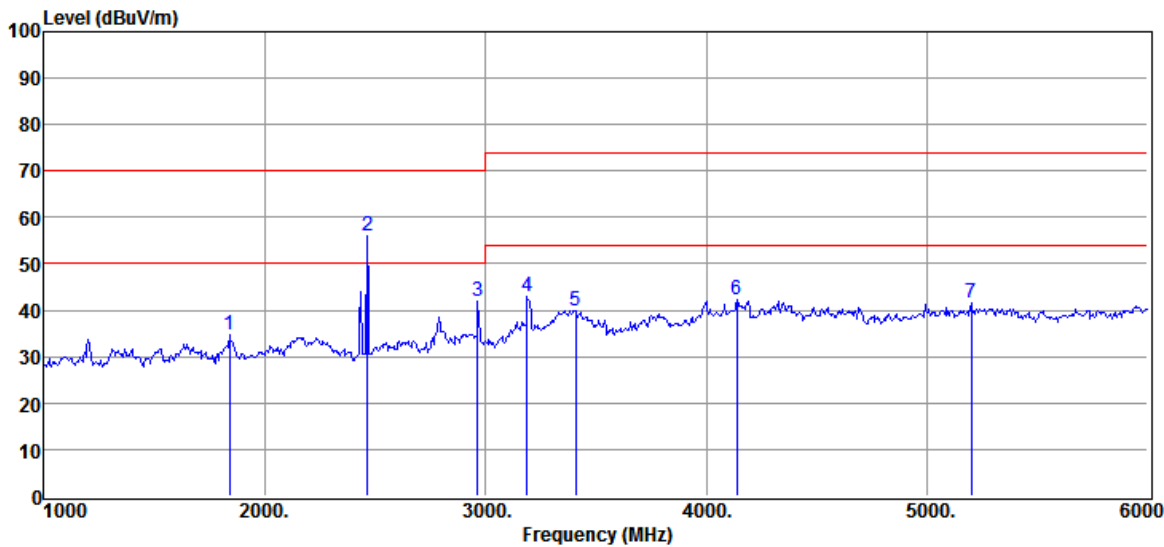
Test Mode

: HDMI 1 in mode

Antenna/Distance

: 2025 9120D 1#/3m/VERTICAL

Data: 4



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1840.00	57.93	25.28	53.04	4.56	34.73	70.00	-35.27	Peak	VERTICAL
2	2465.00	76.23	27.62	53.05	5.19	55.99	Carrier Frequency			VERTICAL
3	2965.00	60.84	28.44	53.00	5.60	41.88	70.00	-28.12	Peak	VERTICAL
4	3190.00	61.54	28.66	53.11	5.80	42.89	74.00	-31.11	Peak	VERTICAL
5	3410.00	58.80	28.48	53.25	5.99	40.02	74.00	-33.98	Peak	VERTICAL
6	4140.00	58.78	30.28	53.54	6.59	42.11	74.00	-31.89	Peak	VERTICAL
7	5200.00	55.31	32.60	53.46	7.14	41.59	74.00	-32.41	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
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.

4.8. Test photo



5. Photos of the EUT

Please refer to Appendix I : DDT-Q25090923-1E

Note:

Regulatory Statement and Label Marking Advice for the FCC SDoC

1. Marking Suggested for the label:

Trade Name and model number

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2. Statement suggested for the User Manual:

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

Notes: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: If shielded cables or special accessories are required for compliance, a statement must be included which instructs the user to employ them, for example, shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

Note:

Suggested text for the notice indicating compliance with this Standard:

CAN ICES(B)/NMB(B)

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