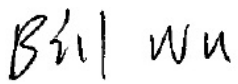
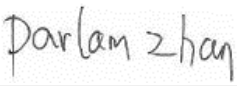
TEST REPORT

Application No.:	SHCR2507001935HS
FCC ID:	BEJV174NAA
Applicant:	LG Electronics USA, Inc.
Address of Applicant:	111 Sylvan Avenue North Building Englewood Cliffs New Jersey 07632 United States
Manufacturer:	LG Electronics USA, Inc.
Address of Manufacturer:	111 Sylvan Avenue North Building Englewood Cliffs New Jersey 07632 United States
Factory:	LG Electronics USA, Inc.
Address of Factory:	111 Sylvan Avenue North Building Englewood Cliffs New Jersey 07632 United States
Equipment Under Test (EUT):	
EUT Name:	Microwave Oven
Model No.:	LMV1751ST, LMV1756##, JNM3184#### (#: From A to Z, from 0 to 9 or blank for inventory control)
Remark:	Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark:	LG
Standard(s) :	47 CFR Part 18
Date of Receipt:	2025-07-29
Date of Test:	2025-08-01 to 2025-08-28
Date of Issue:	2025-08-29
Test Result:	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Revision Record			
Version	**Description**	**Date**	**Remark**
00	Add alternative Noise Filter	2025-08-29	Base on SHEM210300221201

Authorized for issue by:				
Tested By				
		Bill Wu/Project Engineer		
Approved By				
		Parlam Zhan / Reviewer		

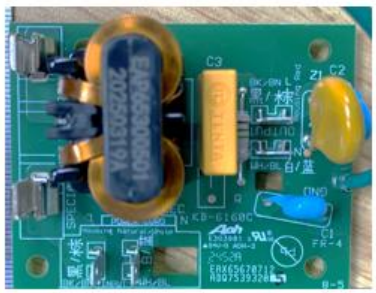
2 Test Summary

Emission Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 18	FCC/OST MP-5:1986	18.307	Pass
Radiated Emissions (Magnetic field Strength)(150kHz-30MHz)		FCC/OST MP-5:1986	18.305(b)	Pass
Radiated Emissions (30MHz-1GHz)		FCC/OST MP-5:1986	18.305(b)	Pass
Radiated Emissions (above 1GHz)		FCC/OST MP-5:1986	18.305(b)	Pass

Note1: There are series models mentioned in this report, and they are the similar in electrical and electronic characters. Only the model LMV1751ST was tested since their differences were the model number and appearance.

Note2: We add a alternative noise filter in this report. Consider the difference Conducted Emissions and Radiated Emissions was retest, all other was reference original report no.: SHEM210300221201.

Original (alternative): New (alternative):



3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	AC 120V 60Hz
Test Voltage:	AC 120V 60Hz

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
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The EUT has been tested as an independent unit.			

4.3 Description of Test Load

Load for measurement of radiation on second and third harmonic:Two loads,one of 700 and the other of 300 milliliters, of water are used.each load is tested both with the beaker located in the center of the oven and with it in the right front corner.
Load for all other measurements:700 milliliters of water,with the beaker located in the center of the oven.

4.4 Measurement Uncertainty & Decision Rule

Measurement Uncertainty:

No.	Item	Measurement Uncertainty (U_{Lab})	U_{CISPR}
1	Conducted Emission at mains port using AMN	3.4dB (9kHz to 150kHz)	3.8dB (9kHz to 150kHz)
		2.9dB (150kHz to 30MHz)	3.4dB (150kHz to 30MHz)
2	Conducted Emission at mains port using VP	2.2dB (9kHz to 30MHz)	2.9dB (9kHz to 30MHz)
3	Conducted Emission at telecommunication port using AAN	4.6dB (150kHz to 30MHz)	5.0dB (150kHz to 30MHz)
4	Radiated Power	3.4dB (30MHz to 300MHz)	4.5dB (30MHz to 300MHz)
5	Radiated emission	5.7dB (30MHz-1GHz)	6.3dB (30MHz-1GHz)
		4.8dB (1GHz-6GHz)	5.2dB (1GHz-6GHz)
		5.0dB (6GHz-18GHz)	5.5dB (6GHz-18GHz)
6	Radiated disturbance (disturbance current in a LLAS)	2.6dB (9kHz to 30MHz)	3.3dB (9kHz to 30MHz)

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

Decision Rule:

• CISPR 16-4-2 for emission measurements is as below described.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

U_{LAB} less than U_{CISPR}, therefore:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

4.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. E&E Lab
588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China
Tel: +86 21 6191 5666 Fax: +86 21 6191 5678

No tests were sub-contracted.

Note:

1. SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).
2. SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).
3. Sample source: sent by customer.

4.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 6332.01)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. is accredited by the American Association for Laboratory Accreditation(A2LA).

• FCC (Designation Number: CN1301)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been recognized as an accredited testing laboratory.

• ISED (CAB Identifier: CN0020)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. EMC Laboratory has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.
Company Number: 8617A

• VCCI (Member No.: 3061)

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-13868, C-14336, T-12221, G-10830 respectively.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None

5 Equipment List

Conducted Emissions at Mains Terminals (9kHz-30MHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
EMI test receiver	Rohde & Schwarz	ESR7	SHEM162-1	2024/12/18	2025/12/17
Line impedance stabilization network	SCHWARZBECK	NSLK8127	SHEM061-1	2024/12/18	2025/12/17
Line impedance stabilization network	EMCO	3816_2	SHEM019-1	2024/12/18	2025/12/17
Pulse limiter	Rohde & Schwarz	ESH3-Z2	SHEM029-1	2024/12/18	2025/12/17
Shielding Room	ZHONGYU	8*4*3M	SHEM079-2	2023/12/19	2026/12/18
CE test Cable	/	9kHz-30MHz	SHEM172-2	2024/12/18	2025/12/17
Test Software	ESE	e3	Version: 6.191211	N/A	N/A
3 Phase LISN	SCHWARZBECK	NNLK 8129 RC	SHME035-4	2024/09/19	2025/09/18
3 Phase LISN	Beijing Kehuan	KH3765-100	SHEM292-1	2025/07/30	2026/07/29

Radiated Emissions (Magnetic field Strength)(9kHz-30MHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
EMI test receiver	Rohde & Schwarz	ESU40	SHEM051-1	2024/12/18	2025/12/17
EMI test receiver	Rohde & Schwarz	ESR7	SHEM201-1	2025/07/30	2026/07/29
CONTROLLER	INNCO	CO2000	SHEM047-1	N/A	N/A
ANTENNA MAST	INNCO	MA400-EP	SHEM047-2	N/A	N/A
TURN DEVICE	INNCO	DE 3600-RH	SHEM047-3	N/A	N/A
Broadband UHF-VHF ANTENNA	SCHWARZBECK	VULB9168	SHEM048-1	2023/09/03	2025/09/02
Broadband UHF-VHF ANTENNA	SCHWARZBECK	VULB9168	SHEM202-1	2025/04/12	2027/04/11
Loop antenna (9kHz-30MHz)	Schwarzbeck	FMZB1519	SHEM135-1	2024/12/18	2025/12/17
Semi/Fully Anechoic	ST	11*6*6M	SHEM078-2	2023/05/06	2026/05/05
RE test Cable	/	/	SHEM217-2	2024/12/18	2025/12/17
Test Software	ESE	e3	Version: 6.191211	N/A	N/A
Semi/Fully Anechoic	TIANDE	9*6*6M	SHEM198-1	2024/05/06	2027/05/05

Radiated Emissions (30MHz-1GHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
EMI test receiver	Rohde & Schwarz	ESU40	SHEM051-1	2024/12/18	2025/12/17
EMI test receiver	Rohde & Schwarz	ESR7	SHEM201-1	2025/07/30	2026/07/29
CONTROLLER	INNCO	CO2000	SHEM047-1	N/A	N/A
ANTENNA MAST	INNCO	MA400-EP	SHEM047-2	N/A	N/A
TURN DEVICE	INNCO	DE 3600-RH	SHEM047-3	N/A	N/A
Broadband UHF-VHF ANTENNA	SCHWARZBECK	VULB9168	SHEM048-1	2023/09/03	2025/09/02
Broadband UHF-VHF ANTENNA	SCHWARZBECK	VULB9168	SHEM202-1	2025/04/12	2027/04/11

Semi/Fully Anechoic	ST	11*6*6M	SHEM078-2	2023/05/06	2026/05/05
Pre-amplifier	HP	8447D	SHEM236-1	2024/12/18	2025/12/17
Pre-amplifier	HP	8447D	SHEM143-1	2024/12/18	2025/12/17
RE test Cable	/	/	SHEM217-2	2024/12/18	2025/12/17
Test Software	ESE	e3	Version: 6.191211	N/A	N/A
Semi/Fully Anechoic	TIANDE	9*6*6M	SHEM198-1	2024/05/06	2027/05/05

Radiated Emissions (above 1GHz)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
EMI test receiver	Rohde & Schwarz	ESU40	SHEM051-1	2024/12/18	2025/12/17
EMI test receiver	Rohde & Schwarz	ESR7	SHEM201-1	2025/07/30	2026/07/29
CONTROLLER	INNCO	CO2000	SHEM047-1	N/A	N/A
ANTENNA MAST	INNCO	MA400-EP	SHEM047-2	N/A	N/A
Broadband UHF-VHF ANTENNA	SCHWARZBECK	VULB9168	SHEM048-1	2023/09/03	2025/09/02
Broadband UHF-VHF ANTENNA	SCHWARZBECK	VULB9168	SHEM202-1	2025/04/12	2027/04/11
Horn Antenna (1-18GHz)	Schwarzbeck	BBHA9120D	SHEM050-1	2023/09/03	2025/09/02
Pre-amplifier (1-18GHz)	Schwarzbeck	SCU-F0118-G40-BZ4-CSS(F)	SHEM050-2	2024/12/18	2025/12/17
Horn Antenna (1-18GHz)	Schwarzbeck	HF906	SHEM009-1	2024/08/05	2026/08/04
Semi/Fully Anechoic	ST	11*6*6M	SHEM078-2	2023/05/06	2026/05/05
RE test Cable	/	/	SHEM217-2	2024/12/18	2025/12/17
Test Software	ESE	e3	Version: 6.191211	N/A	N/A
Semi/Fully Anechoic	TIANDE	9*6*6M	SHEM198-1	2024/05/06	2027/05/05
RE test Cable	/	XH830A-N/J-N/J-8M	SHEM217-4	2024/12/18	2025/12/17

General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Atmospheric Pressure Meter	Nanjing XiangRuiDe	DYM3	SHEM082-2	2024/01/18	2027/01/17
Temperature&humidity recorder	ShangHai weather meter work	ZJ 1-2B	SHEM042-9~10	2024/12/22	2025/12/21
Temperature&humidity recorder	ShangHai weather meter work	ZJ 1-2B	SHEM042-5	2025/07/09	2026/07/08
Digital Temperature& humidity recorder	Jianda Renke	RS-WS-N01-6J	SHEM247-1~8	2025/01/06	2026/01/05
Digital Multimeter	FLUKE	17B+	SHEM271-7	2025/07/07	2026/07/06
AC Power Supply	APC	KDF-31020T-V0-F0-IO	SHEM216-1	2024/12/18	2025/12/17
DC Power Supply	HP	6010A	SHEM222-1	2024/12/18	2025/12/17
Multi-purpose tong tester	FLUKE	317	SHEM001-2	2024/10/30	2025/10/29

6 Emission Test Results

6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement: 47 CFR Part 18

Test Method: FCC/OST MP-5:1986

Limit:

0.15M-0.5MHz	66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average
0.5M-5MHz	56dB(μV) quasi-peak, 46dB(μV) average
5M-30MHz	60dB(μV) quasi-peak, 50dB(μV) average
Detector:	Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

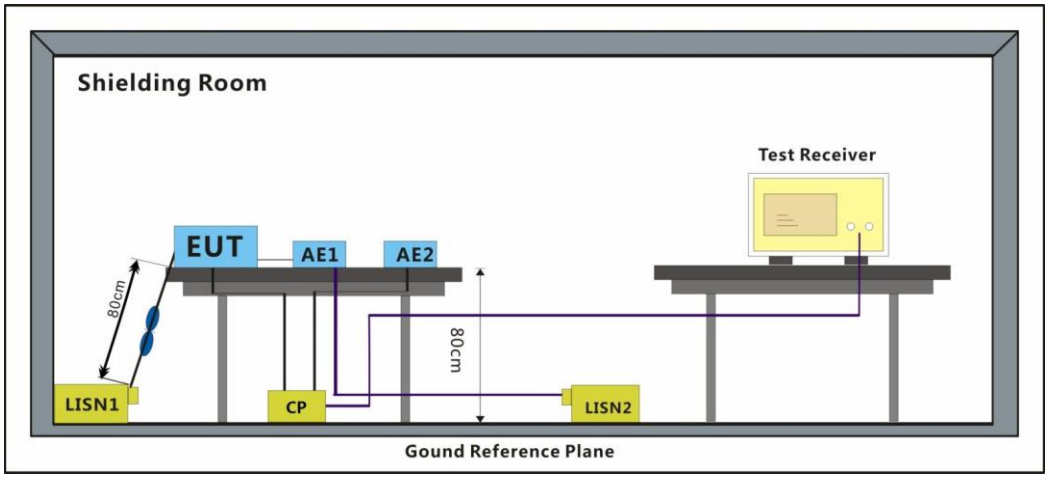
6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

Test mode: 00:Working mode_Keep the EUT running & heating continuously.

6.1.2 Test Setup Diagram



6.1.3 Measurement Procedure and Data

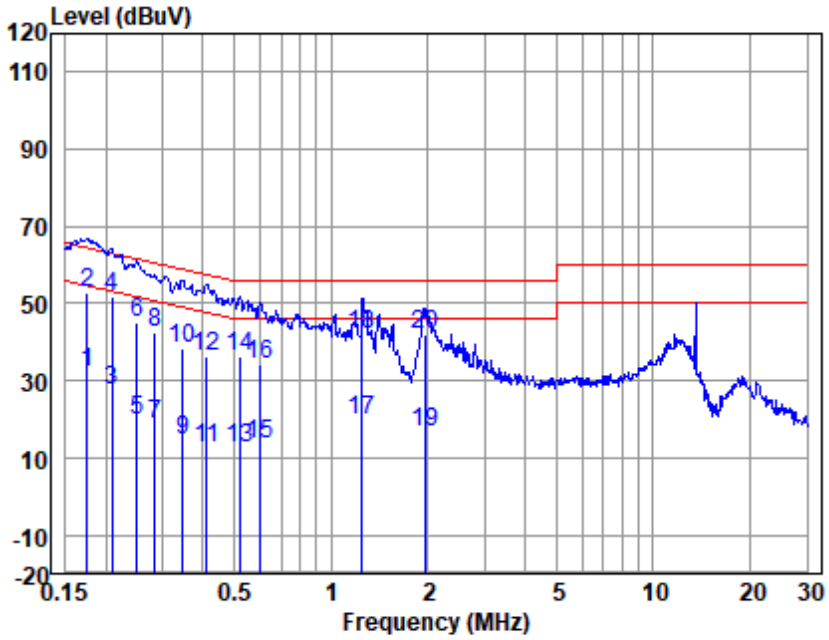
Frequency range: 150KHz-30MHz

An initial pre-scan was performed with peak detector.Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.

The red line show in graphic is the limit in standard used in this section.

Measured Level = Read level + Cable Loss + LISN Factor

Test Mode: 00; Line: Live line



LISN : LINE
EUT/Project No : 1935HS
Test Mode : 00

	Freq	Read level	LISN Factor	Cable Loss	Emission Level	Limit	Over Limit	Remark
	(MHz)	(dBuV)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.17	22.00	0.50	9.90	32.40	54.72	-22.32	Average
2	0.17	42.41	0.50	9.90	52.81	64.72	-11.91	QP
3	0.21	17.16	0.49	9.90	27.55	53.27	-25.72	Average
4	0.21	41.45	0.49	9.90	51.84	63.27	-11.43	QP
5	0.25	9.65	0.45	9.90	20.00	51.78	-31.78	Average
6	0.25	34.99	0.45	9.90	45.34	61.78	-16.44	QP
7	0.28	8.49	0.42	9.90	18.81	50.72	-31.91	Average
8	0.28	31.94	0.42	9.90	42.26	60.72	-18.46	QP
9	0.35	4.33	0.38	9.90	14.61	49.05	-34.44	Average
10	0.35	27.88	0.38	9.90	38.16	59.05	-20.89	QP
11	0.41	2.44	0.34	9.90	12.68	47.64	-34.96	Average
12	0.41	26.22	0.34	9.90	36.46	57.64	-21.18	QP

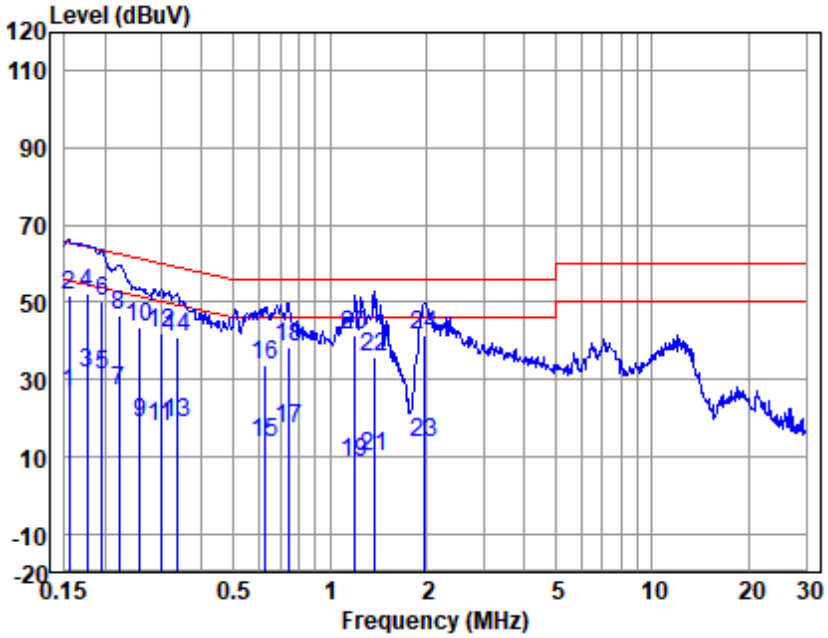
Notes: Emission Level = Read Level +LISN Factor + Cable loss

Test Mode: 00; Line: Live line

	Freq	Read level	LISN Factor	Cable Loss	Emission Level	Limit	Over Limit	Remark
	(MHz)	(dBuV)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)	
13	0.52	2.26	0.30	9.90	12.46	46.00	-33.54	Average
14	0.52	26.17	0.30	9.90	36.37	56.00	-19.63	QP
15	0.60	3.21	0.30	9.90	13.41	46.00	-32.59	Average
16	0.60	24.25	0.30	9.90	34.45	56.00	-21.55	QP
17	1.25	9.45	0.30	9.90	19.65	46.00	-26.35	Average
18	1.25	31.59	0.30	9.90	41.79	56.00	-14.21	QP
19	1.96	6.36	0.30	9.90	16.56	46.00	-29.44	Average
20	1.96	31.68	0.30	9.90	41.88	56.00	-14.12	QP

Notes: Emission Level = Read Level +LISN Factor + Cable loss

Test Mode: 00; Line: Neutral Line



LISN : NEUTRAL
EUT/Project No : 1935HS
Test Mode : 00

	Freq	Read level	LISN Factor	Cable Loss	Emission Level	Limit	Over Limit	Remark
	(MHz)	(dBuV)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.15	16.00	0.44	9.90	26.34	55.74	-29.40	Average
2	0.15	41.49	0.44	9.90	51.83	65.74	-13.91	QP
3	0.18	21.28	0.42	9.90	31.60	54.64	-23.04	Average
4	0.18	41.82	0.42	9.90	52.14	64.64	-12.50	QP
5	0.20	20.75	0.40	9.90	31.05	53.80	-22.75	Average
6	0.20	40.05	0.40	9.90	50.35	63.80	-13.45	QP
7	0.22	16.56	0.40	9.90	26.86	52.74	-25.88	Average
8	0.22	36.26	0.40	9.90	46.56	62.74	-16.18	QP
9	0.26	8.68	0.40	9.90	18.98	51.56	-32.58	Average
10	0.26	33.21	0.40	9.90	43.51	61.56	-18.05	QP
11	0.30	7.60	0.40	9.90	17.90	50.28	-32.38	Average
12	0.30	31.52	0.40	9.90	41.82	60.28	-18.46	QP

Notes: Emission Level = Read Level +LISN Factor + Cable loss

Test Mode: 00; Line: Neutral Line

	Freq	Read level	LISN Factor	Cable Loss	Emission Level	Limit	Over Limit	Remark
	(MHz)	(dBuV)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)	
13	0.33	8.67	0.40	9.90	18.97	49.35	-30.38	Average
14	0.33	30.90	0.40	9.90	41.20	59.35	-18.15	QP
15	0.62	3.42	0.33	9.90	13.65	46.00	-32.35	Average
16	0.62	23.28	0.33	9.90	33.51	56.00	-22.49	QP
17	0.74	6.79	0.30	9.90	16.99	46.00	-29.01	Average
18	0.74	28.28	0.30	9.90	38.48	56.00	-17.52	QP
19	1.20	-1.75	0.30	9.90	8.45	46.00	-37.55	Average
20	1.20	31.47	0.30	9.90	41.67	56.00	-14.33	QP
21	1.37	-0.25	0.30	9.90	9.95	46.00	-36.05	Average
22	1.37	25.63	0.30	9.90	35.83	56.00	-20.17	QP
23	1.96	3.35	0.30	9.90	13.55	46.00	-32.45	Average
24	1.96	31.40	0.30	9.90	41.60	56.00	-14.40	QP

Notes: Emission Level = Read Level +LISN Factor + Cable loss

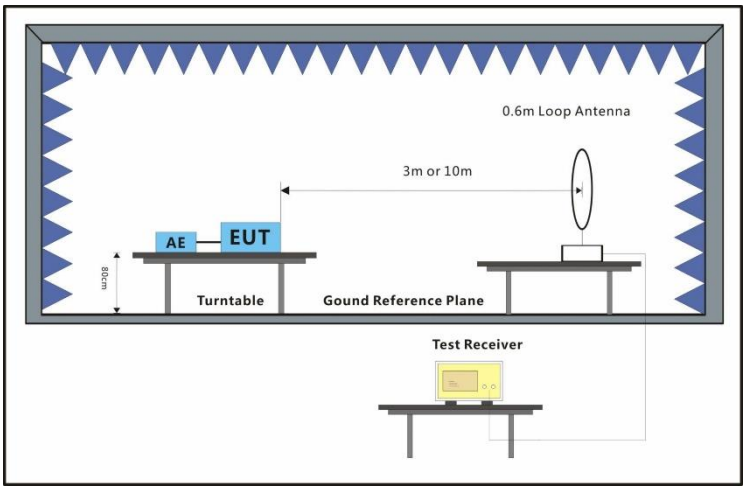
6.2 Radiated Emissions (Magnetic field Strength)(150kHz-30MHz)

Test Requirement: 47 CFR Part 18
Test Method: FCC OST/MP-5:1986
Frequency Range: 150KHz to 30MHz
Measurement Distance: 3m
Limit:
0.15MHz -30MHz 70.4(dBμV/m) average
(Limit=40+20*log(25*SQRT(P/500)) =40+20*log33.218=40+30.4=70.4)
Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz
Test mode: 00:Working mode_Keep the EUT running & heating continuously.

6.2.1 E.U.T. Operation

Operating Environment:
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

6.2.2 Test Setup Diagram



6.2.3 Measurement Procedure and Data

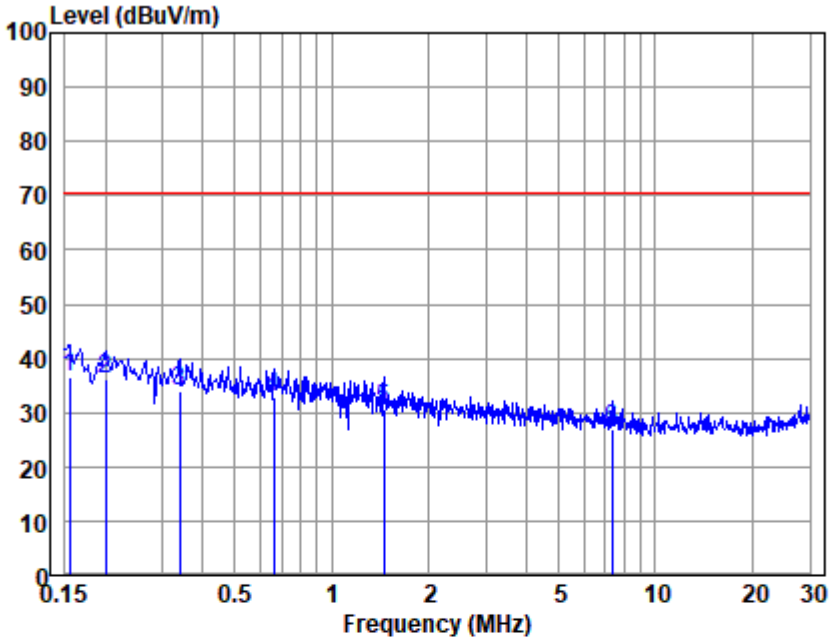
Frequency range: 150KHz-30MHz

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by loop antenna with 2 orthogonal polarities.

The red line show in graphic is the limit in standard used in this section.

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Test Mode: 00; Polarity: Horizontal

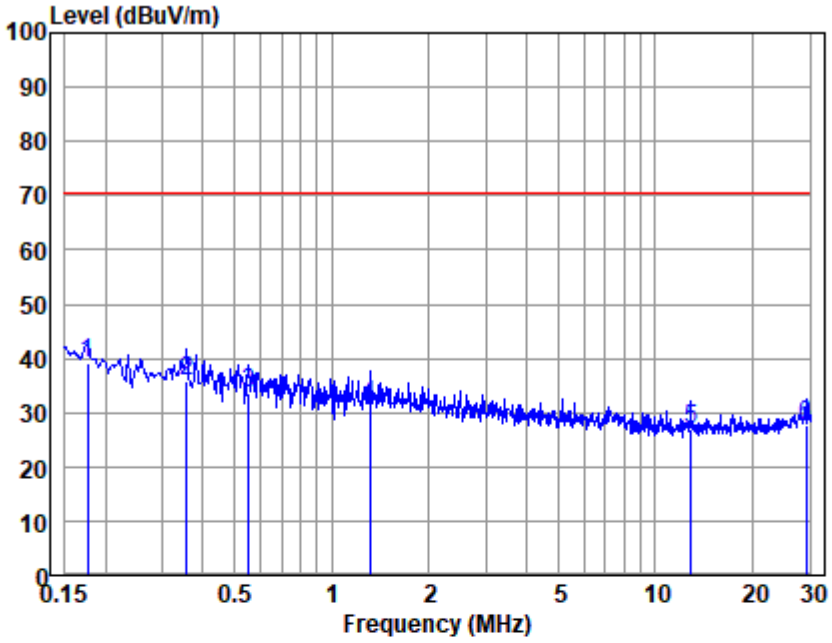


Antenna Polarity :HORIZONTAL
EUT/Project :1935HS
Test mode :00

	Freq	Read Level	Antenna Factor	Cable Loss	Emission Level	Limit Line	Over Limit	Remark
	MHz	dBuv	dB/m	dB	dBuv/m	dBuv/m	dB	
1	0.155	19.00	17.30	0.30	36.60	70.40	-33.80	Average
2	0.200	18.65	17.30	0.30	36.25	70.40	-34.15	Average
3	0.339	16.32	17.30	0.30	33.92	70.40	-36.48	Average
4	0.661	15.27	17.40	0.30	32.97	70.40	-37.43	Average
5	1.449	12.68	17.65	0.30	30.63	70.40	-39.77	Average
6	7.329	8.61	18.10	0.30	27.01	70.40	-43.39	Average

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor

Test Mode: 00; Polarity: Vertical



Antenna Polarity :VERTICAL
EUT/Project :1935HS
Test mode :00

	Freq	Read Level	Antenna Factor	Cable Loss	Emission Level	Limit Line	Over Limit	Remark
	MHz	dBuv	dB/m	dB	dBuv/m	dBuv/m	dB	
1	0.177	21.38	17.30	0.30	38.98	70.40	-31.42	Average
2	0.358	18.04	17.30	0.30	35.64	70.40	-34.76	Average
3	0.555	16.05	17.36	0.30	33.71	70.40	-36.69	Average
4	1.310	13.54	17.64	0.30	31.48	70.40	-38.92	Average
5	12.852	8.36	18.34	0.35	27.05	70.40	-43.35	Average
6	29.216	6.54	20.48	0.48	27.50	70.40	-42.90	Average

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor

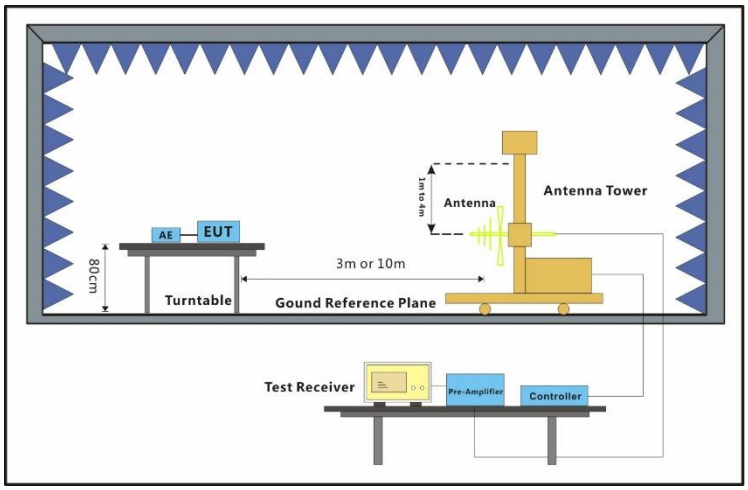
6.3 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 18
Test Method: FCC OST/MP-5:1986
Frequency Range: 30MHz to 1GHz
Measurement Distance: 3m
Limit:
30MHz -1000MHz 70.4(dBμV/m) average
(Limit=40+20*log(25*SQRT(P/500)) =40+20*log33.218=40+30.4=70.4)
Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz

6.3.1 E.U.T. Operation

Operating Environment:
Temperature: 22°C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar
Test mode: 00:Working mode_Keep the EUT running & heating continuously.

6.3.2 Test Setup Diagram



6.3.3 Measurement Procedure and Data

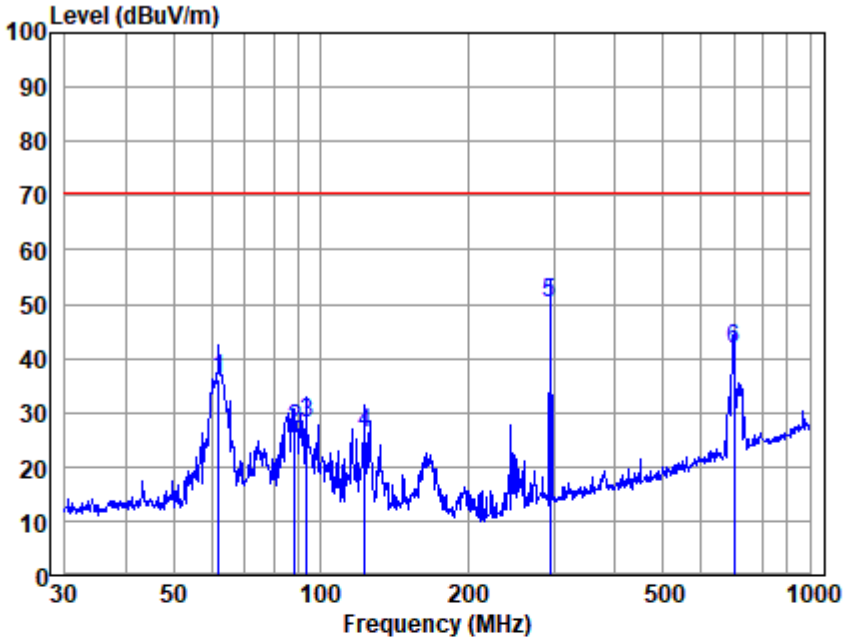
Frequency range: 30MHz-1GHz

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

The red line show in graphic is the limit in standard used in this section.

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Test Mode: 00; Polarity: Horizontal

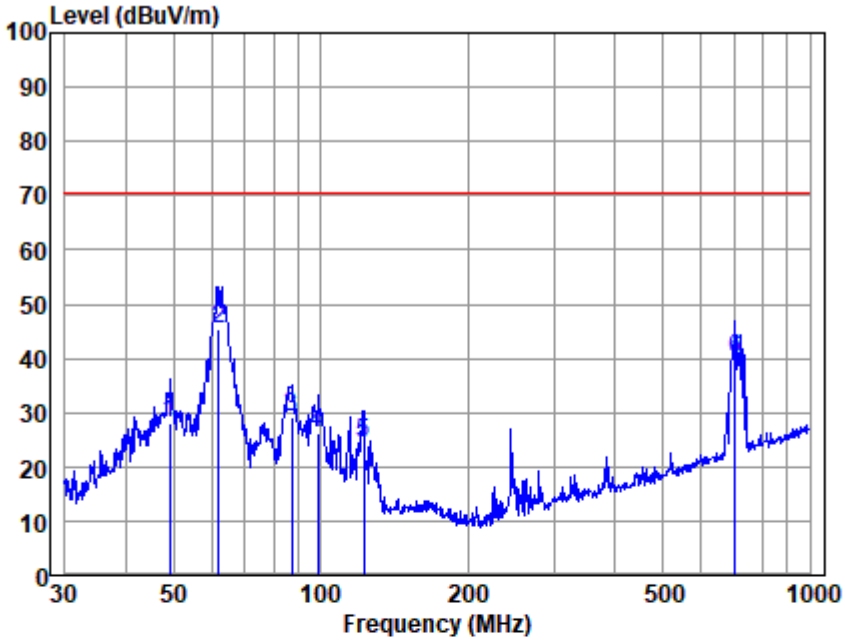


Antenna Polarity :HORIZONTAL
EUT/Project :1935HS
Test mode :00

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	61.778	50.95	11.90	0.63	27.20	36.28	70.40	-34.12	Average
2	88.652	44.48	8.50	0.93	27.10	26.81	70.40	-43.59	Average
3	93.440	45.70	8.40	0.93	27.10	27.93	70.40	-42.47	Average
4	122.834	40.95	11.30	1.16	27.05	26.36	70.40	-44.04	Average
5	294.114	62.69	12.24	1.80	26.50	50.23	70.40	-20.17	Average
6	699.305	46.24	20.38	2.91	28.00	41.53	70.40	-28.87	Average

Notes1: Emission Level = Read Level +LISN Factor + Cable loss
Notes2: Average in Remark means CISPR AV detector

Test Mode: 00; Polarity: Vertical



Antenna Polarity :VERTICAL
EUT/Project :1935HS
Test mode :00

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	49.187	41.78	13.00	0.63	27.20	28.21	70.40	-42.19	Average
2	61.778	59.95	11.90	0.63	27.20	45.28	70.40	-25.12	Average
3	87.112	46.48	8.70	0.93	27.10	29.01	70.40	-41.39	Average
4	98.487	43.49	9.00	0.93	27.10	26.32	70.40	-44.08	Average
5	122.404	38.75	11.50	1.16	27.06	24.35	70.40	-46.05	Average
6	704.226	44.32	20.64	2.91	28.00	39.87	70.40	-30.53	Average

Notes1: Emission Level = Read Level +LISN Factor + Cable loss
Notes2: Average in Remark means CISPR AV detector

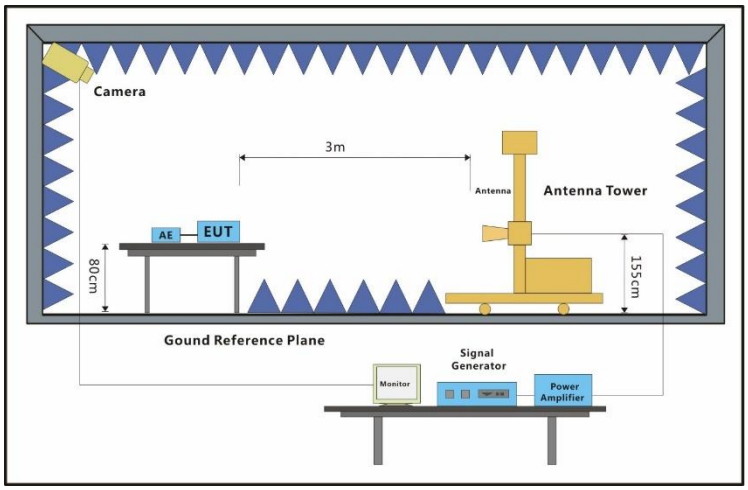
6.4 Radiated Emissions (above 1GHz)

Test Requirement: 47 CFR Part 18
Test Method: FCC OST/MP-5:1986
Frequency Range: Above 1GHz
Measurement Distance: 3m
Limit:
1GHz -26GHz 70.4(dBμV/m) average
(Limit=40+20*log(25*SQRT(P/500)) =40+20*log33.218=40+30.4=70.4)
Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz

6.4.1 E.U.T. Operation

Operating Environment:
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar
Test mode: 00:Working mode_Keep the EUT running & heating continuously.

6.4.2 Test Setup Diagram



6.4.3 Measurement Procedure and Data

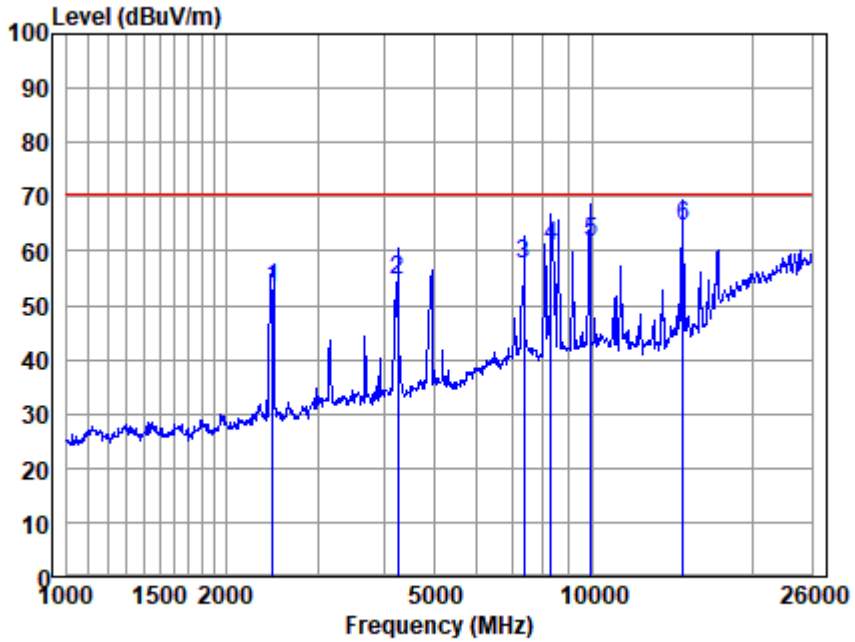
Frequency range: Above 1GHz

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

The red line show in graphic is the limit in standard used in this section.

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Test Mode: 00; Polarity: Horizontal

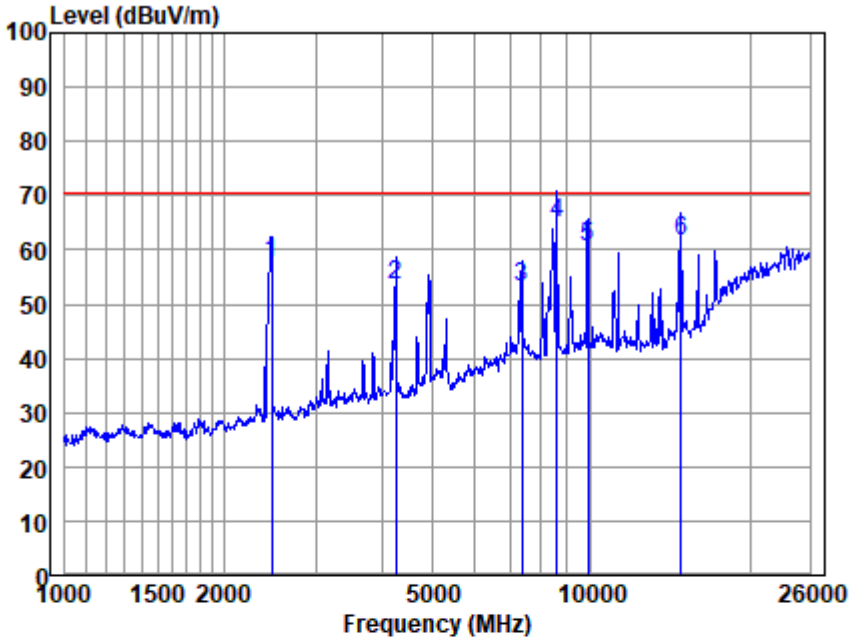


Antenna Polarity :HORIZONTAL
EUT/Project :1935HS
Test mode :00

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2457.721	63.56	26.43	4.58	41.30	53.27	70.40	-17.13	Average
2	4248.623	59.91	29.80	6.68	41.75	54.64	70.40	-15.76	Average
3	7392.539	53.79	36.20	9.75	42.12	57.62	70.40	-12.78	Average
4	8312.520	56.40	36.53	9.75	41.95	60.73	70.40	-9.67	Average
5	9879.302	55.05	38.48	10.19	42.05	61.67	70.40	-8.73	Average
6	14797.320	53.81	40.80	11.76	41.82	64.55	70.40	-5.85	Average

Notes1: Emission Level = Read Level +LISN Factor + Cable loss
Notes2: Average in Remark means CISPR AV detector

Test Mode: 00; Polarity: Vertical



Antenna Polarity :VERTICAL
EUT/Project :1935HS
Test mode :00

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2465.742	67.65	26.43	4.60	41.30	57.38	70.40	-13.02	Average
2	4248.623	58.76	29.80	6.68	41.75	53.49	70.40	-16.91	Average
3	7368.493	49.22	36.25	9.75	42.12	53.10	70.40	-17.30	Average
4	8587.810	59.80	37.00	9.83	41.82	64.81	70.40	-5.59	Average
5	9847.167	54.01	38.40	10.19	42.04	60.56	70.40	-9.84	Average
6	14797.320	51.00	40.80	11.76	41.82	61.74	70.40	-8.66	Average

Notes1: Emission Level = Read Level +LISN Factor + Cable loss
Notes2: Average in Remark means CISPR AV detector

7 Test Setup Photo

Refer to Appendix - Test Setup Photo for SHCR2507001935HS

8 EUT Constructional Details (EUT Photos)

Refer to Appendix_Photographs of EUT Constructional Details for SHCR2507001935HS

- End of the Report -