FCC RF TEST REPORT

For

Product: Yuefresh Air Purifier
Model:KJ380F-A01
FCC ID:2BT6F-KJ380F-A01
Report No.: RKEYS251219055

Issued for

Xingmeiji (Wuhan) Trading Co., Ltd
3rd Floor, Building 4, No. 777-1402 , Guanggu 3rd Road, East Lake High-Tech Development Zone, Wuhan City, Hubei Province,China

Issued by

Guangdong KEYS Testing Technology Co., Ltd.
Building 1, No.18, Shihuan Road, Dongcheng Subdistrict, Dongguan, Guangdong, China

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1. TEST CERTIFICATION

Product:	Yuefresh Air Purifier
Trade mark:	yuefresh
Main Model:	KJ380F-A01
Model list:	/
Applicant :	Xingmeiji (Wuhan) Trading Co., Ltd
Address:	3rd Floor, Building 4, No. 777-1402 , Guanggu 3rd Road, East Lake High-Tech Development Zone, Wuhan City, Hubei Province,China
Manufacturer:	Wuhan Yuefresh Technology Co.,Ltd.
Address:	3rd Floor, Building 4, No. 777-1402 , Guanggu 3rd Road, East Lake High-Tech Development Zone, Wuhan City, Hubei Province,China
Sample Receive Date:	Dec. 19, 2025
Test Date:	Dec. 19, 2025 ~ Dec. 26, 2025
Applicable Standards:	FCC 47, CFR Part 15.247
Application Purpose	Original Grant

The above equipment has been tested by Guangdong KEYS Testing Technology Co., Ltd. and found compliance with the requirements in the technical standards mentioned above. The test results presented in this report only relate to the product/system tested. The other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Evan Fang

Prepared by: Evan Fang / Engineer

Bruce zhang

Approved by: Bruce Zhang / Manager

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2. TEST SUMMARY

FCC Part 15C	Description of Test	Result
15.247(b)(4)&15.203	Antenna Requirement	Pass
15.247(b)(3)	Maximum Conducted Output power	Pass
15.247(a)(2)	6dB Bandwidth	Pass
15.247(e)	Power Spectral Density	Pass
15.247(d)	Out of Band Conducted Emission	Pass
15.247(d)&15.205&15.209	Band edge	Pass
15.247(d)&15.205&15.209	Spurious Radiated Emission	Pass
15.207	Conducted Emission on AC Mains	Pass

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3. TEST SITE

3.1. TEST FACILITY

Guangdong KEYS Testing Technology Co., Ltd.
Address: Building 1, No.18, Shihuan Road, Dongcheng Subdistrict, Dongguan, Guangdong, China
A2LA Certificate Number.:7547.01
FCC Designation Number:CN1419
FCC Test Firm Registration Number:361541

3.2. MEASUREMENT UNCERTAINTY

Parameter	Uncertainty
Conducted Emission(150KHz-30MHz)	±3.2dB
Radiated Emission(30MHz-1GHz)	±4.7dB
Radiated Emission (1GHz-6GHz)	±5.1dB
Radiated Emission (6GHz-18GHz)	±5.1dB
Occupied bandwidth	±1.9%
Duty cycle	±0.11%
Power Spectral Density	±0.98 dB

Note 1: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3.3. TEST ENVIRONMENT CONDITION

Ambient Temperature:	24~25°C
Ambient Relative Humidity:	55~60 %

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4. TEST EQUIPMENT LIST

Equipment	Manufacturer	Model	Equipment No.	Cal. Date	Cal. Interval
EMI Test Receiver	Rohde&Schwarz	ESCI	KEYS-EL-203	Mar. 03, 2025	1 Year
Pulse limiter	Rohde&Schwarz	ESH3-Z2	KEYS-EL-201	Mar. 03, 2025	1 Year
LISN	Rohde&Schwarz	ENV216	KEYS-EL-202	Mar. 03, 2025	1 Year
Shielding Room	Taihe Mao Rui Electronic Equipment Co., Ltd.	8m*4m*4m	KEYS-EL-230	Oct. 11, 2025	5 Year
EMI Test Receiver	Rohde&Schwarz	ESCI7	KEYS-EL-205	Mar. 03, 2025	1 Year
Logarithmic Periodic Broadband Antenna	SCHWARZBECK	VULB9168	KEYS-EL-209	Mar. 06, 2025	3 Year
Preamplifier	HP	8447F	KEYS-EL-210	Mar. 03, 2025	1 Year
Horn Antenna	SCHWARZBECK	BBHA 9120D	KEYS-EL-239	Mar. 06, 2025	3 Year
Preamplifier	/	1-18-53G22	KEYS-EL-240	Mar. 03, 2025	1 Year
Anechoic Chamber	Taihe Mao Rui Electronic Equipment Co., Ltd.	9m*6m*6m	KEYS-EL-230	Oct. 12, 2025	5 Year
Signal Analyzer	Keysight	N9020A	KEYS-EL-238	Mar. 03, 2025	1 Year
Spectrum Analyzer	Rohde&Schwarz	FSV-40N	KEYS-EL-269	Mar. 03, 2025	1 Year

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WDEBAND RADIOCOMMUNICATION TESTER	Rohde&Schwarz	CMW500	KEYS-EL-236	Mar. 03, 2025	1 Year
18-40GHz Antenna	COM-MW	ZLB7-18-40G-777	KEYS-EL-276	May 19, 2025	1 Year
18-40GHz Preamplifier	QUANJUDA	LNA-18004000-50G35	KEYS-EL-277	May 17, 2025	1 Year
Filter	WCS Technology	ZBSF6-C2400-2483.5-294	KEYS-EL-270	May 17, 2025	1 Year
RF Cable	Rosenberger	/	KEYS-EL-278	May 17, 2025	3 Year
RF Cable	COM-MW	DCA9-2.92M80002.92M3.6-1304	KEYS-EL-279	May 17, 2025	3 Year
DC Power	Agilent	E3632A	KEYS-EL-243	Mar. 03, 2025	1Year
Power Switch	WCS Technology	SMU-3002	KEYS-EL-247	Apr. 16, 2025	1 Year
Power Meter	Agilent	E4417A	KEYS-EL-260	May 17, 2025	1 Year
Power Probe	Agilent	E9304A	KEYS-EL-261	May 17, 2025	1 Year
RF Test Software	WCS Technology	WCN-Regulatory	Version 25.03.2901		
EMI Test Software	Tonscend	JS32-CE	Version 5.0.0		
EMI Test Software	Tonscend	JS32-RE	Version 5.0.0		

Note:The attenuator is integrated into the Power Switch Box and taken into consideration during testing.

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5. EUT DESCRIPTION

Product	Yuefresh Air Purifier
Test Model	KJ380F-A01
Additional Model	/
Rating	DC 24V by battery
FCC ID	2BT6F-KJ380F-A01
Antenna Type	PCB Antenna
Antenna Gain	2.54dBi
Specification	b/g/n20
Operation Frequency	2412-2462MHz
Number of Channels:	11
Modulation Type	DSSS,OFDM
Adapter	Model:HAO48240200CHW Input:100-240V~ 50/60Hz 1.5A Output:24V/2A

Note:
1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2) Antenna gain was provided by the applicant/ manufacturer, and the applicant/ manufacturer is responsible for its validity.
3) The test results in the report only apply to the tested sample.
4) The Antenna Gain is provided by the client and the client is responsible for the validity. KEYS assumes no liability in this regard.

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5.1. DESCRIPTION OF TEST CONFIGURATION

Test channel list is as below:

Channel List for 802.11b / 802.11g / 802.11n(HT20)			
Channel	**Frequency (MHz**	**Channel**	**Frequency (MHz)**
1	2412	7	2442
2	2417	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437		

Test Channel

For 802.11b, 802.11g, 802.11n mode, EUT was tested with Channel 1, 6 and 11:

- Low Channel:2412MHz
- Middle Channel: 2437MHz
- High Channel:2462MHz

5.2. EQUIPMENT MODIFICATIONS

Any modifications installed previous to testing by Xingmeiji (Wuhan) Trading Co., Ltd.will be incorporated in each production model sold / leased in the United States.

No modifications were installed by KEYS Testing Technology Co., Ltd.

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6. TEST METHODOLOGY

Both AC mains line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.10-2020 and KDB 558074 D01 v05r02.

6.1. EUT SYSTEM OPERATION

For emissions testing, the equipment under test (EUT) setup to transmit continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, all cables were manipulated to produce worst case emissions. The EUT was powered by PC during the test.

On 802.11b/g/n-HT20 mode, only one antenna is used, and all data rate were tested and only the worst case data is shown in the report.

6.2. CONFIGURATION AND MODE

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows.	
Based on the baseline scan, the worst-case data rates were:	
Mode	Data rate
802.11b	1Mbps
802.11g	6 Mbps
802.11n HT20	6.5 Mbps（MCS0）

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7. SETUP OF EQUIPMENT UNDER TEST

7.1. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support Equipment

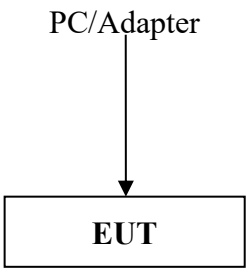
No.	Equipment	Model	Serial No.	Manufacturer
1	Notebook	Lenovo Rescuer 15ISK	PF0GS9S1	Lenovo
2	/	/	/	/

Support Cable

No.	Description	Shield	Length	Manufacturer
1	/	/	/	/
2	/	/	/	/

Note: 1) All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2) Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

7.2. BLOCK DIAGRAM OF EUT CONFIGURATION



(EUT: Yuefresh Air Purifier)

7.3. EUT EXERCISE SOFTWARE

Test software:AmebaZ2_mptool_1v3

Frequency (MHz)	Power Setting		
	b mode	g mode	n20 mode
2412	53	53	53
2442	53	53	53
2462	53	53	53

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8. TEST RESULTS AND MEASUREMENT DATA

8.1. ANTENNA REQUIREMENT

Test Requirement:	FCC Part Part 15.203 An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. FCC Part 15.247(b)(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi.if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.
Test Result:	According to the manufacturer declared, the EUT has a PCB antenna, the Maximum directional gain of antenna is 2.54dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision. Refer to EUT Photo for further details.

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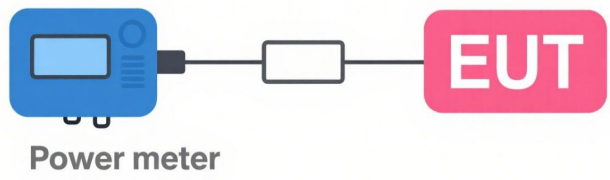
8.2. MAXIMUM CONDUCTED OUTPUT POWER

Test Requirement:	FCC Part 15.247 (b)(3)
Test Mode:	Transmitting mode with modulation
Limit:	For antennas with gains of 6 dBi or less, maximum allowed Transmitter output is 1 watt (+30 dBm).
Test Procedure:	Method PM is Measurement using an RF Peak power meter. The procedure for this method is as follows: 1.The testing follows the ANSI C63.10-2020 Section 11.9.1.2. 2.The maximum peak conducted output power may be measured using a broadband peak RF power meter. 3.The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.
Test Result:	PASS

8.2.1.Test Setup:



8.2.2. Test Result

Please refer to Appendix A:Test Results of 2.4G WIFI.

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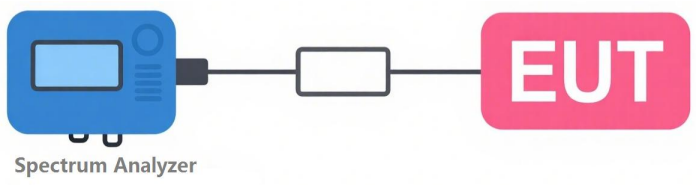
8.3. 6DB BANDWIDTH

Test Requirement:	FCC Part 15.247 (a)(2)
Test Mode:	Transmitting mode with modulation
Limit:	The 6 dB Bandwidth is at least 500 kHz.
Test Procedure:	Set spectrum analyzer as following: Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz. Set VBW⩾3 RBW Detector =Peak. Trace mode = max hold. Sweep= No faster than coupled (auto) time. Allow the trace to stabilize. The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB if the functionality described in ANSI C63.10-2020 11 .8.1 (i.e., RBW = 100 kHz, VBW > 3 x RBW, and peak detector with maximum hold) is implemented by the instrumentation function When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be⩾6 dB. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW)=1%-5% of OBW and set the Video bandwidth (VBW) approximately three times the RBW.
Test Result:	PASS

8.3.1.Test Setup:



8.3.2.Test Result

Please refer to Appendix A:Test Results of 2.4G WIFI.

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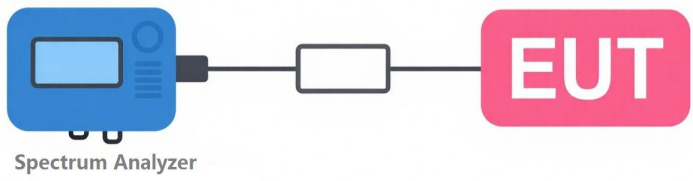
8.4. POWER SPECTRAL DENSITY

Test Requirement:	FCC Part 15.247 (e)
Test Mode:	Transmitting mode with modulation
Limit:	The Power Density does not exceed 8dBm/3 kHz.
Test Procedure:	Set spectrum analyzer as following: Set RBW⩾3kHz. Set VBW⩾3 x RBW. Set span to 1.5 times the DTS bandwidth Sweep time = auto couple. Detector = peak. Trace mode = max hold. Allow trace to fully stabilize. Use peak marker function to determine the peak amplitude level.
Test Result:	PASS

8.4.1.Test Setup:



8.4.2. Test Result

Please refer to Appendix A:Test Results of 2.4G WIFI.

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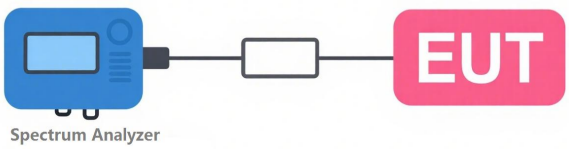
8.5. OUT OF BAND CONDUCTED EMISSIONS

Test Requirement:	FCC Part15.247 (d)
Test Mode:	Transmitting mode with modulation
Limit:	At least 20 dB below the highest level of the desired power in the pass band. In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on an RF conducted.
Test Procedure:	Measurement Procedure -Reference Level Set the RBW = 100 kHz. Set the VBW ⩾ 300 kHz. Detector = peak. Sweep time = auto couple Trace mode = max hold. Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW. Measurement Procedure -Unwanted Emission Level Set RBW = 100 kHz. Set VBW ⩾ 300 kHz. Set span to encompass the spectrum to be examined. Detector = peak. Trace Mode = max hold. Sweep = auto couple.
Test Result:	PASS

8.5.1.Test Setup:



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8.5.2.Test Result

Please refer to Appendix A:Test Results of 2.4G WIFI

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8.6. BAND EDGE

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C 15.247(d), 15.205, 15.209</td></tr>
<tr><td>Test Mode:</td><td>Transmitting mode with modulation</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td>Frequency Range（MHz）</td><td>Field Strength (microvolts/meter)</td><td>Measurement Distance(meters)</td></tr>
<tr><td>0.009~0.490</td><td>2400/F(kHz)</td><td>300</td></tr>
<tr><td>0.490~1.705</td><td>24000/F(kHz)</td><td>30</td></tr>
<tr><td>1.705~30.0</td><td>30</td><td>30</td></tr>
<tr><td>30-88</td><td>100</td><td>3</td></tr>
<tr><td>88-216</td><td>150</td><td>3</td></tr>
<tr><td>216-960</td><td>200</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
</table>
</td></tr>
<tr><td>Test Procedure:</td><td>1. The EUT was placed on a turntable with 1.5meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
4. Set to the maximum power setting and enable the EUT transmit continuously.</td></tr>
<tr><td>Test Result:</td><td>Pass</td></tr>
</table>

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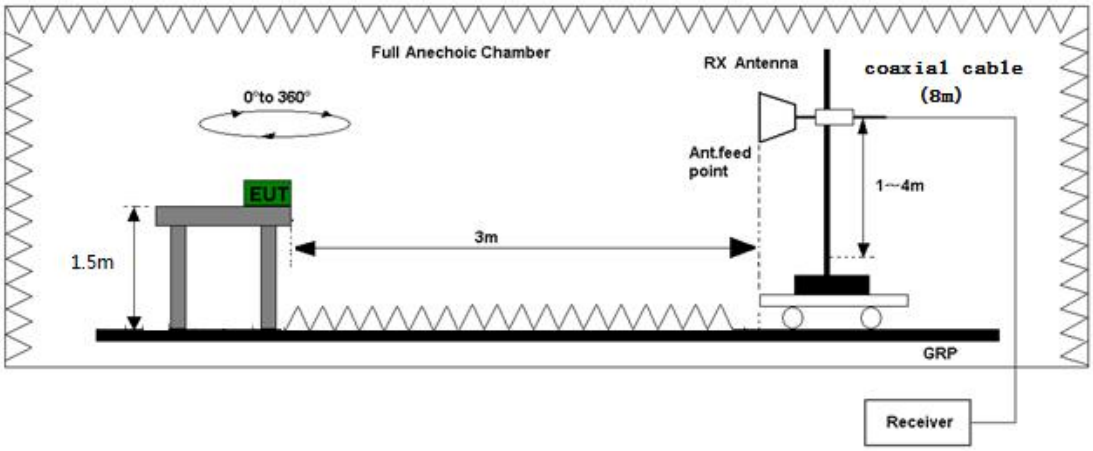
8.6.1.Test Setup:



8.6.2.Test Result

Test Voltage	DC 24V from adapter(120V/60Hz)

Only the worse g mode was recorded in this report

g mode-2412MHz:

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Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Cable Loss（dB）	Emission Level (dBμV/m)	Peak Limit at 3m (dBμV/m)	Margin (dB)	Detector Type
Horizontal	2390.00	81.2	55.6	28.2	4.6	58.4	74	-15.6	PK
Horizontal	2390.00	61.4	55.6	28.2	4.6	38.6	54	-15.4	AV

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Cable Loss（dB）	Emission Level (dBμV/m)	Average Limit at 3m (dBμV/m)	Margin (dB)	Detector Type
Vertical	2390.00	82.6	55.6	28.2	4.6	59.8	74	-14.2	PK
Vertical	2390.00	61.5	55.6	28.2	4.6	38.7	54	-15.3	AV

g mode-2462MHz:

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Cable Loss（dB）	Emission Level (dBμV/m)	Peak Limit at 3m (dBμV/m)	Margin (dB)	Detector Type
Horizontal	2483.50	81.4	55.9	28.9	5.2	59.6	74	-14.4	PK
Horizontal	2483.50	61.1	55.9	28.9	5.2	39.3	54	-14.7	AV

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Cable Loss（dB）	Emission Level (dBμV/m)	Average Limit at 3m (dBμV/m)	Margin (dB)	Detector Type
Vertical	2483.50	81.6	55.9	28.9	5.2	59.8	74	-14.2	PK
Vertical	2483.50	60.8	55.9	28.9	5.2	39.0	54	-15.0	AV

Note:(1)Emission Level=Reading-Pre-Amp.Gain+Antenna+Cable loss

(2)Margin=Level-limit

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8.7. SPURIOUS RADIATED EMISSIONS

Test Requirement:	FCC Part15 C 15.247(d), 15.205, 15.209
Test Mode:	Transmitting mode with modulation
Limit:	

Frequency Range（MHz）	Field Strength (microvolts/meter)	Measurement Distance(meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Procedure:	Radiated emission measurements were performed from 9kHz to tenth harmonic or 40GHz. The EUT for testing is arranged on a styrene turntable. If some peripherals apply to the EUT, the peripherals will be connected to EUT and the whole system. During the test, all cables were arranged to produce worst-case emissions. The signal is maximized through rotation. The height of antenna and polarization is changing constantly for exploring for maximum signal level. The height of antenna can be up to 4 meters and down to 1 meter.
Test Result:	Pass

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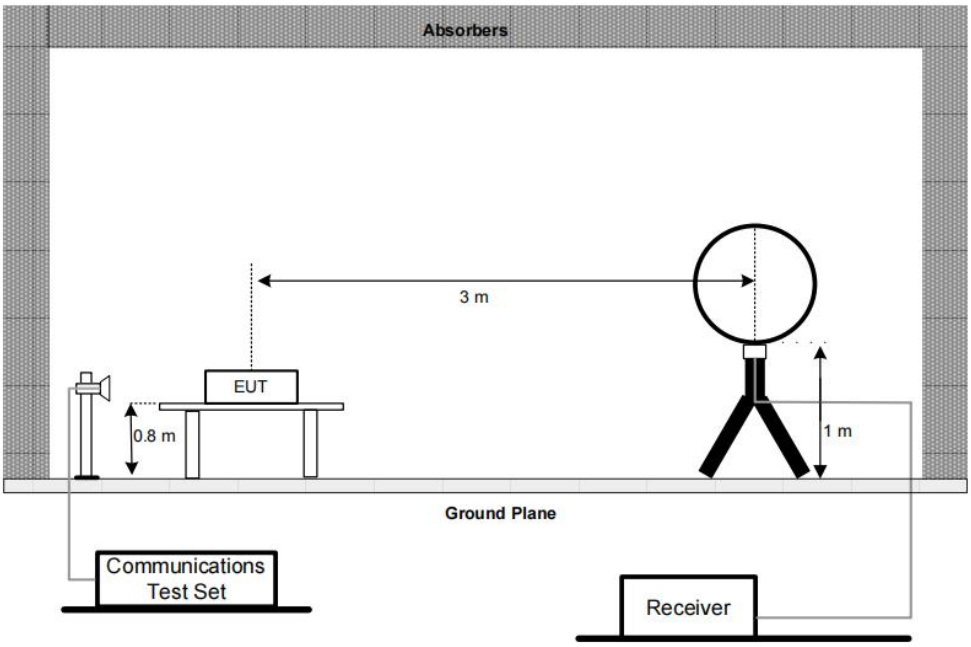
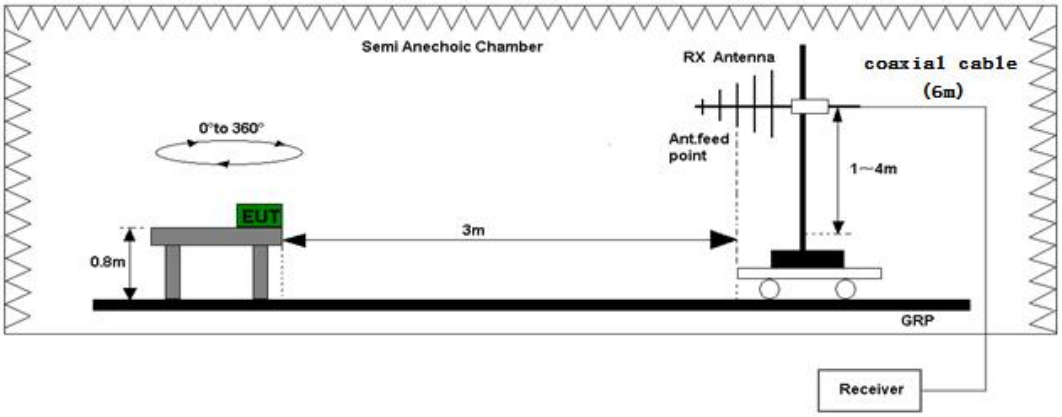
8.7.1.Test Setup:



Test set-up of radiated disturbance (Up to 30MHz)



Test set-up of radiated disturbance (30MHz to 1GHz)

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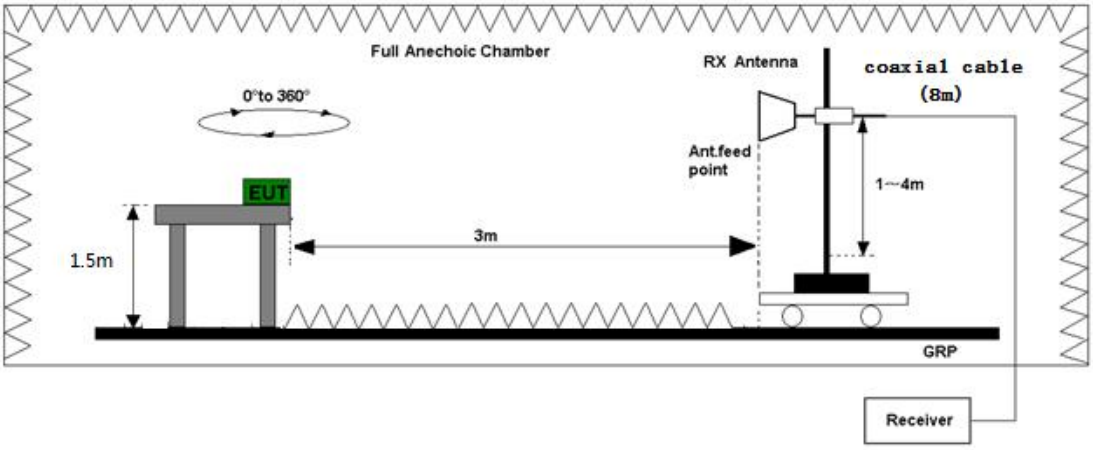

Test set-up of radiated disturbance (Above 1GHz)

8.7.2. Test Result

Test Voltage	DC 24V from adapter(AC120V/60Hz)

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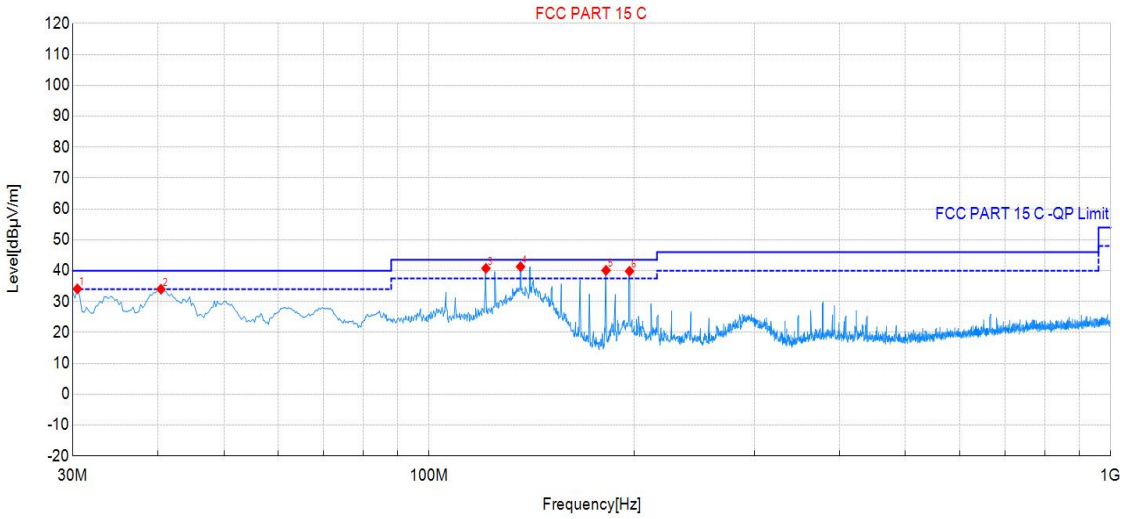
Worst-case Spurious Emission below 1GHz

g mode:2462MHz

Please refer to the following diagram:

Vertical:



NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	30.49	51.87	34.11	-17.76	40.00	5.89	100	358	QP	Vert	PASS
2	40.43	51.04	34.02	-17.02	40.00	5.98	100	1	QP	Vert	PASS
3	121.18	58.45	40.75	-17.70	43.50	2.75	100	326	QP	Vert	PASS
4	136.22	57.94	41.30	-16.64	43.50	2.20	100	354	QP	Vert	PASS
5	181.81	58.72	40.12	-18.60	43.50	3.38	100	73	QP	Vert	PASS
6	196.84	59.58	39.84	-19.74	43.50	3.66	100	131	QP	Vert	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

(3)Factor=Antenna Factor+ Cable Loss - Amplifier Factor

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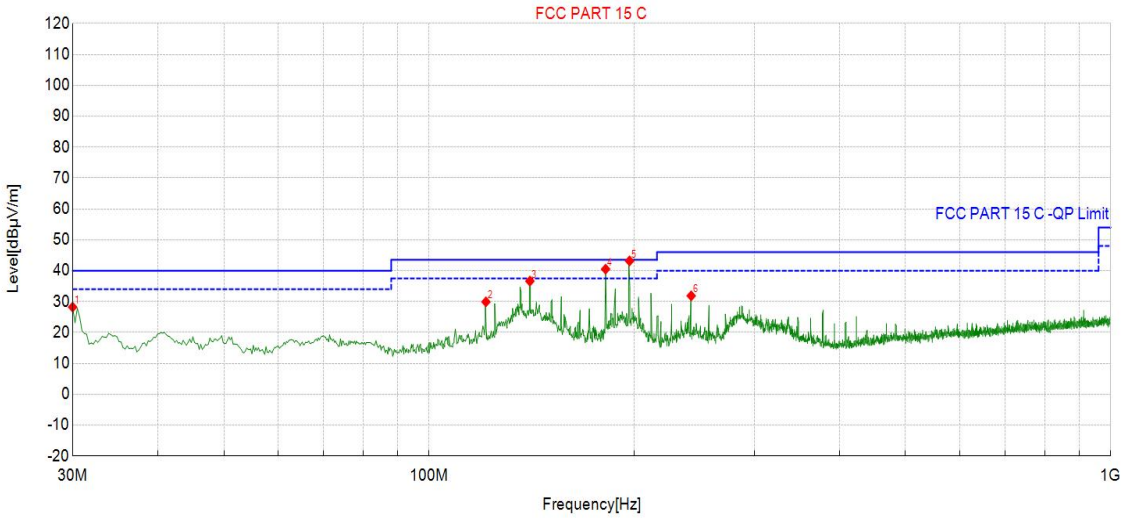
Horizontal:



NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Det	Pol	Verdict
1	30.00	46.01	28.22	-17.79	40.00	11.78	100	325	QP	Hori	PASS
2	121.18	47.62	29.92	-17.70	43.50	13.58	100	269	QP	Hori	PASS
3	140.58	53.00	36.64	-16.36	43.50	6.86	100	259	QP	Hori	PASS
4	181.56	59.09	40.51	-18.58	43.50	2.99	100	251	QP	Hori	PASS
5	196.84	62.91	43.17	-19.74	43.50	0.33	100	240	QP	Hori	PASS
6	242.43	50.18	31.86	-18.32	46.00	14.14	100	306	QP	Hori	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

(3)Factor=Antenna Factor+ Cable Loss - Amplifier Factor

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Worst-case Spurious Emission above 1GHz

g mode-2412MHz:

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Cable Loss（dB）	Emission Level (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)	Detector Type
Horizontal	4824.00	80.6	56.6	32.1	6.6	62.7	74	-11.3	PK
Horizontal	4824.00	61.4	56.6	32.1	6.6	43.5	54	-10.5	AV

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Cable Loss（dB）	Emission Level (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)	Detector Type
Vertical	4824.00	80.4	56.6	32.1	6.6	62.5	74	-11.5	PK
Vertical	4824.00	61.2	56.6	32.1	6.6	43.3	54	-10.7	AV

g mode2437MHz:

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Cable Loss（dB）	Emission Level (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)	Detector Type
Horizontal	4874.00	81.8	56.7	32.2	6.7	64.0	74	-10.0	PK
Horizontal	4874.00	62.7	56.7	32.2	6.7	44.9	54	-9.1	AV

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Cable Loss（dB）	Emission Level (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)	Detector Type
Vertical	4874.00	81.6	56.7	32.2	6.7	63.8	74	-10.2	PK
Vertical	4874.00	62.4	56.7	32.2	6.7	44.6	54	-9.4	AV

Note:(1)Emission Level=Reading-Pre-Amp.Gain+Antenna+Cable loss

(2)Margin=Level-limit

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g mode-2462MHz:

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Cable Loss（dB）	Emission Level (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)	Detector Type
Horizontal	4924.00	79.7	56.8	33.3	6.8	63.0	74	-11.0	PK
Horizontal	4924.00	59.6	56.8	33.3	6.8	42.9	54	-11.1	AV

Polarization	Frequency (MHz)	Reading (dBμV)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Cable Loss（dB）	Emission Level (dBμV/m)	Limit at 3m (dBμV/m)	Margin (dB)	Detector Type
Vertical	4924.00	80.8	56.8	33.3	6.8	64.1	74	-9.9	PK
Vertical	4924.00	60.6	56.8	33.3	6.8	43.9	54	-10.1	AV

Note:(1)Emission Level=Reading-Pre-Amp.Gain+Antenna+Cable loss

(2)Margin=Level-limit

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8.8. CONDUCTED EMISSION

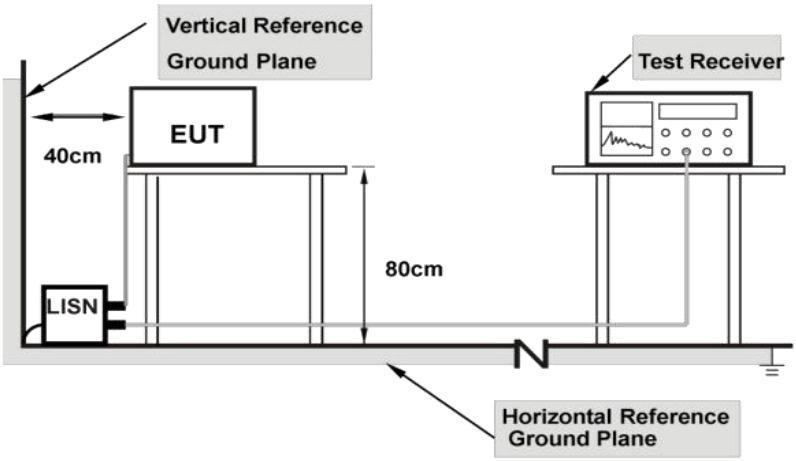
Test Requirement:	FCC Part15 15.207
Test Mode:	Transmitting mode with modulation
Limit:	

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

Test Procedure:	For tabletop equipment, the EUT along with its peripherals were placed on a 1.0m(W)×1.5m(L) and 0.8m in height wooden table. The EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane. The EUT was connected to power mains through a line impedance stabilization network (LISN), which provided 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room. The excess power cable between the EUT and the LISN was bundled.
Test Result:	Pass

8.8.1.Test Setup:



8.8.2.Test Result

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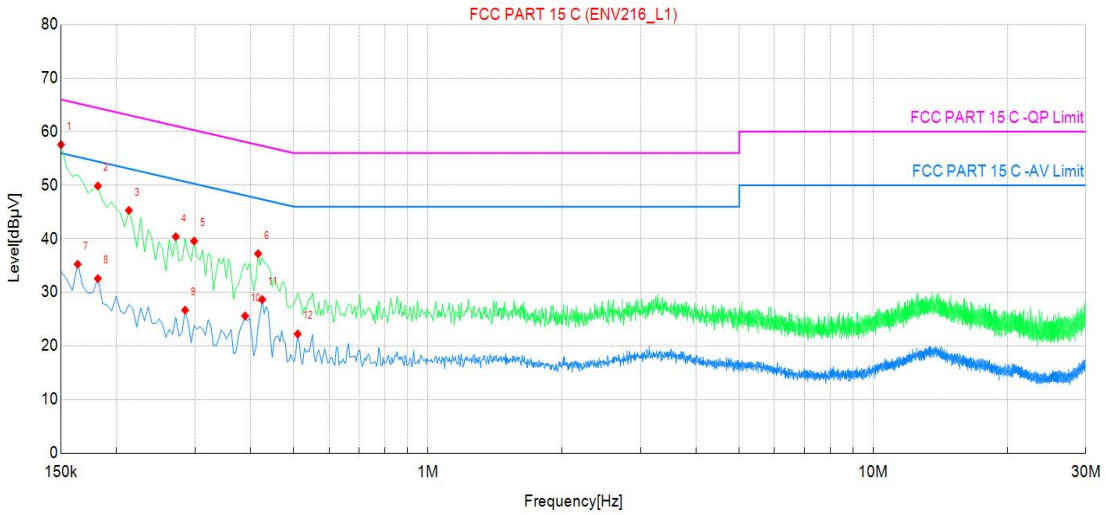
Test Voltage	DC 24V from adapter(120V/60Hz)

Worst-case :g mode:2412MHz

Please refer to the following diagram:

L Line



NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Phase	Detector	Verdict
1	0.150000	38.30	57.59	19.29	66.00	8.41	L1	QP	PASS
2	0.181500	30.64	49.87	19.23	64.42	14.55	L1	QP	PASS
3	0.213000	26.12	45.31	19.19	63.09	17.78	L1	QP	PASS
4	0.271500	21.23	40.40	19.17	61.07	20.67	L1	QP	PASS
5	0.298500	20.42	39.58	19.16	60.28	20.70	L1	QP	PASS
6	0.415500	18.10	37.22	19.12	57.54	20.32	L1	PK	PASS
7	0.163500	16.00	35.26	19.26	55.28	20.02	L1	AV	PASS
8	0.181500	13.35	32.58	19.23	54.42	21.84	L1	AV	PASS
9	0.285000	7.52	26.68	19.16	50.67	23.99	L1	AV	PASS
10	0.388500	6.47	25.60	19.13	48.10	22.50	L1	AV	PASS
11	0.424500	9.55	28.67	19.12	47.36	18.69	L1	AV	PASS
12	0.510000	3.13	22.23	19.10	46.00	23.77	L1	AV	PASS

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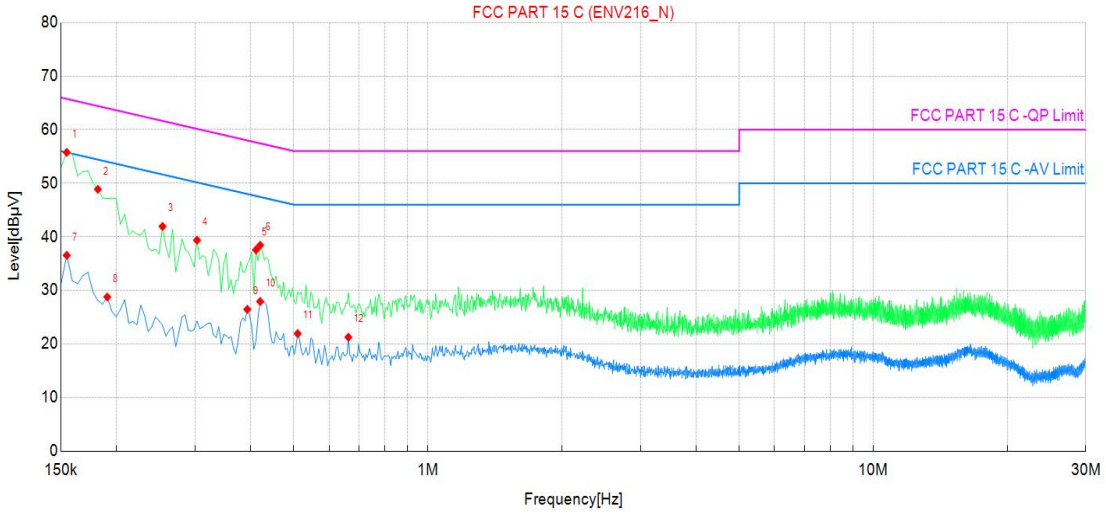
N line



NO.	Frequency [MHz]	Reading [dBµV]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Phase	Detector	Verdict
1	0.154500	36.58	55.77	19.19	65.75	9.98	N	QP	PASS
2	0.181500	29.69	48.88	19.19	64.42	15.54	N	QP	PASS
3	0.253500	22.75	41.94	19.19	61.64	19.70	N	QP	PASS
4	0.303000	20.18	39.37	19.19	60.16	20.79	N	QP	PASS
5	0.411000	18.37	37.56	19.19	57.63	20.07	N	QP	PASS
6	0.420000	19.24	38.43	19.19	57.45	19.02	N	QP	PASS
7	0.154500	17.36	36.55	19.19	55.75	19.20	N	AV	PASS
8	0.190500	9.58	28.77	19.19	54.01	25.24	N	AV	PASS
9	0.393000	7.27	26.46	19.19	48.00	21.54	N	AV	PASS
10	0.420000	8.74	27.93	19.19	47.45	19.52	N	AV	PASS
11	0.510000	2.73	21.93	19.20	46.00	24.07	N	AV	PASS
12	0.663000	1.99	21.26	19.27	46.00	24.74	N	AV	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

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9. PHOTOGRAPHS OF EUT SET-UP

For photographs of the test set-up, refer to the appendix file.(Test Setup Photo)

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10. PHOTOGRAPHS OF THE EUT

For photographs of the EUT, refer to the appendix file(EUT External Photos and EUT Internal Photos).

*** End of Report ***

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