	Variant FCC Test Report
Report No.:	RF190606C07A-1
FCC ID:	A4R-H2C
Test Model:	H2C
Received Date:	Dec. 25, 2019
Test Date:	Mar. 27 ~ Apr. 01, 2020
Issued Date:	Apr. 07, 2020
	Google LLC 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
FCC Registration / Designation Number:	788550 / TW0003



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Issue No.	Description	Date Issued
RF190606C07A-1	Original Release	Apr. 07, 2020



Certificate of Conformity 1

Product: Interactive media streaming device				
Test Model:	H2C			
Sample Status:	Production Unit			
Applicant:	Google LLC			
Test Date:	Mar. 27 ~ Apr. 01, 2020			
Standards:	47 CFR FCC Part 15, Subpart C (Section 15.247) ANSI C63.10:2013			

The above equipment has been tested by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Lena

Date: Apr. 07, 2020

Lena Wang / Specialist

Approved by :

Prepared by :

Dylan Chiou / Senior Project Engineer

Date: Apr. 07, 2020



2 Summary of Test Results

	47 CFR FCC Part 15, Subpart C (Section 15.247)								
FCC Clause	Test Item	Result	Remarks						
15.207 AC Power Conducted Emission		Pass	Meet the requirement of limit. Minimum passing margin is -17.77 dB at 0.51225 MHz.						
15.205 & 209	15.205 & 209 Radiated Emissions		Meet the requirement of limit. Minimum passing margin is -6.41 dB at 36.79 MHz.						
15.247(d)	Band Edge Measurement	N/A	Refer to Note						
15.247(d)	Antenna Port Emission	N/A	Refer to Note						
15.247(a)(2)	6 dB Bandwidth	N/A	Refer to Note						
	Occupied Bandwidth Measurement	N/A	Refer to Note						
15.247(b)	15.247(b) Conducted Power		Meet the requirement of limit.						
15.247(e)	Power Spectral Density	N/A	Refer to Note						
15.203 Antenna Requirement		N/A	Refer to Note						

Note:

1. Only AC Power Conducted Emission, Conducted Power and Radiated Emissions tests were verified and recorded in this report. Refer to original report no.: RF190606C07-1 for other test data.

2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150 kHz ~ 30 MHz	2.79 dB
	9 kHz ~ 30 MHz	3.04 dB
Radiated Emissions up to 1 GHz	30 MHz ~ 200 MHz	2.93 dB
	200 MHz ~ 1000 MHz	2.95 dB
Radiated Emissions above 1 GHz	1 GHz ~ 18 GHz	2.26 dB
	18 GHz ~ 40 GHz	1.94 dB

2.2 Modification Record

There were no modifications required for compliance.



3 General Information

3.1 General Description of EUT

Product	Interactive media streaming device
Test Model	H2C
Status of EUT	Production Unit
Power Supply Rating	14 Vdc (Adapter)
Modulation Type	GFSK
Transfer Rate	1 Mbps
Operating Frequency	2402 ~ 2480 MHz
Number of Channel	40
Output Power	2.009 mW
Antenna Type	Refer to Note as below
Antenna Connector	Refer to Note as below
Accessory Device Refer to Note as below	
Data Cable Supplied	N/A

Note:

- This report is issued as a supplementary report to BV CPS report no.: RF190606C07-1. The difference compared with the original report refers to the detail of the change letter. Therefore, only AC Power Conducted Emission, Maximum Peak Output Power and Radiated Emissions tests were verified and recorded in this report.
- 2. The EUT's accessories list refers to EUT Photo.pdf.
- 3. The following antennas were provided to the EUT.

			An	Antenna Gain (dBi)				
Ant. No.	Model	Туре	Connector	2.4~2.4835	5.15~5.25	5.25~5.35	5.47~5.725	5.725~5.85
NO.				GHz	GHz	GHz	GHz	GHz
1	N/A	PIFA	N/A	0.79	4.06	3.10	5.15	5.23
2	N/A	PIFA	N/A	1.39	3.00	2.69	5.35	5.29

4. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or User's Manual.



3.2 Description of Test Modes

40 channels are provided to this EUT:

Channel	Freq. (MHz)						
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480



3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Co	nfigure		Applic	able To		Description			
Мо	de	RE≥1G	RE<1G	PLC	APCM	Description			
-	-		\checkmark	\checkmark	\checkmark	-			
Where	RE≥10	RE≥1G: Radiated Emission above 1 GHz Re<1G: Radiated Emission below 1 GHz							
	PLC:	Power Line Con	ducted Emissior	n AP(CM: Antenna Po	rt Conducted Measurement			

Note:

1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on X-plane.

2. "-" means no effect.

Radiated Emission Test (Above 1 GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type	Data Rate (Mbps)
-	0 to 39	0	GFSK	1

Radiated Emission Test (Below 1 GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type	Data Rate (Mbps)
-	0 to 39	0	GFSK	1

Power Line Conducted Emission Test:

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type	Data Rate (Mbps)
-	0 to 39	0	GFSK	1



Antenna Port Conducted Measurement:

- This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Channel	Tested Channel	Modulation Type	Data Rate (Mbps)
-	0 to 39	0, 19, 39	GFSK	1

Test Condition:

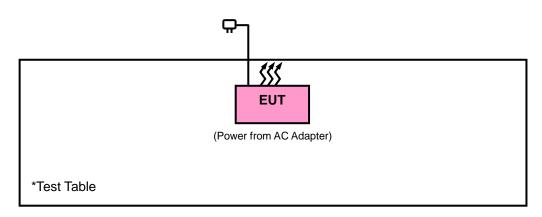
Applicable To	Environmental Conditions	Input Power	Tested by
RE≥1G	25 deg. C, 65 % RH	120 Vac, 60 Hz	Getaz Yang
RE<1G	25 deg. C, 65 % RH	120 Vac, 60 Hz	Getaz Yang
PLC	25 deg. C, 65 % RH	120 Vac, 60 Hz	Jisyong Wang
АРСМ	25 deg. C, 65 % RH	14 Vdc	Wayne Lin



3.3 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units.

3.3.1 Configuration of System under Test



3.4 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test Standard:

FCC Part 15, Subpart C (15.247)

ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.

References Test Guidance:

KDB 558074 D01 15.247 Meas Guidance v05r02

All test items have been performed as a reference to the above KDB test guidance.



4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20 dB below the highest level of the desired power:

Frequencies (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

Note:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 3. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.



4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver Agilent	N9038A	MY51210203	Mar. 18, 2020	Mar. 17, 2021
Spectrum Analyzer Agilent	N9010A	MY52220314	Dec. 12, 2019	Dec. 11, 2020
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Apr. 15, 2019	Apr. 14, 2020
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-969	Nov. 24, 2019	Nov. 23, 2020
Broadband Horn Antenna SCHWARZBECK	BBHA 9170	148	Nov. 24, 2019	Nov. 23, 2020
BILOG Antenna SCHWARZBECK	VULB 9168	9168-472	Nov. 08, 2019	Nov. 07, 2020
Fixed Attenuator WORKEN	MDCS18N-10	MDCS18N-10-01	Apr. 15, 2019	Apr. 14, 2020
Loop Antenna	EM-6879	269	Sep. 16, 2019	Sep. 15, 2020
Preamplifier EMCI	EMC001340	980201	Oct. 14, 2019	Oct. 13, 2020
Preamplifier EMCI	EMC 012645	980115	Oct. 08, 2019	Oct. 07, 2020
Preamplifier EMCI	EMC 184045	980116	Oct. 08, 2019	Oct. 07, 2020
Preamplifier EMCI	EMC 330H	980112	Oct. 08, 2019	Oct. 07, 2020
Power Meter Anritsu	ML2495A	1012010	Sep. 04, 2019	Sep. 03, 2020
Power Sensor Anritsu	MA2411B	1315050	Sep. 04, 2019	Sep. 03, 2020
RF Coaxial Cable HUBER+SUHNNER	EMC104-SM-SM- 8000&3000	140811+170717	Oct. 08, 2019	Oct. 07, 2020
RF Coaxial Cable HUBER+SUHNNER	SUCOFLEX 104	EMC104-SM-SM- 1000(140807)	Oct. 08, 2019	Oct. 07, 2020
RF Coaxial Cable Worken	8D-FB	Cable-Ch10-01	Oct. 08, 2019	Oct. 07, 2020
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Software BV ADT	E3 6.120103	NA	NA	NA
Antenna Tower MF	MFA-440H	NA	NA	NA
Turn Table MF	MFT-201SS	NA	NA	NA
Antenna Tower &Turn Table Controller MF	MF-7802	NA	NA	NA



- Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 - 2. The test was performed in HwaYa Chamber 10.
 - 3. The horn antenna and preamplifier (model: EMC 184045) are used only for the measurement of emission frequency above 1 GHz if tested.



4.1.3 Test Procedures

For Radiated Emission below 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.

For Radiated Emission above 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasipeak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
- The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98 %) or 10 Hz (Duty cycle ≥ 98 %) for Average detection (AV) at frequency above 1 GHz. (RBW = 1 MHz, VBW = 3 kHz)
- 4. All modes of operation were investigated and the worst-case emissions are reported.

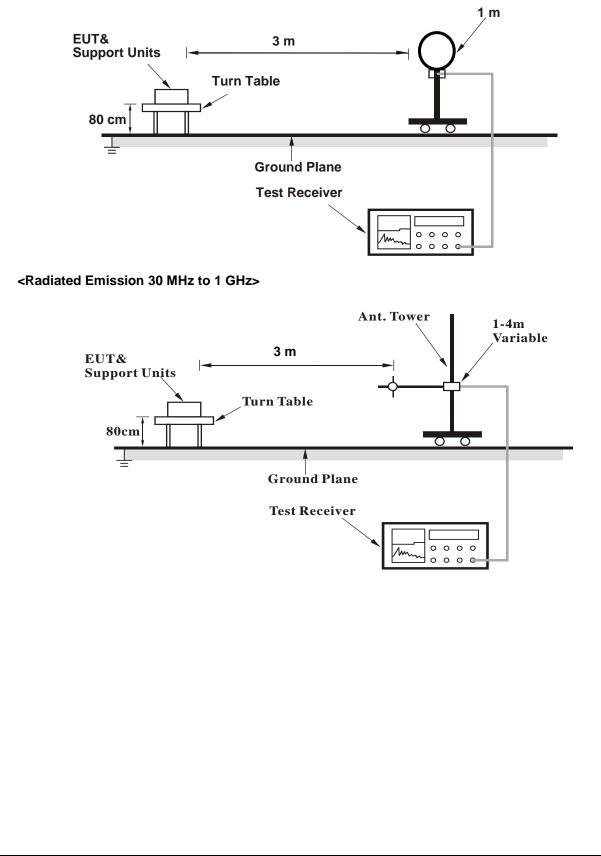
4.1.4 Deviation from Test Standard

No deviation.

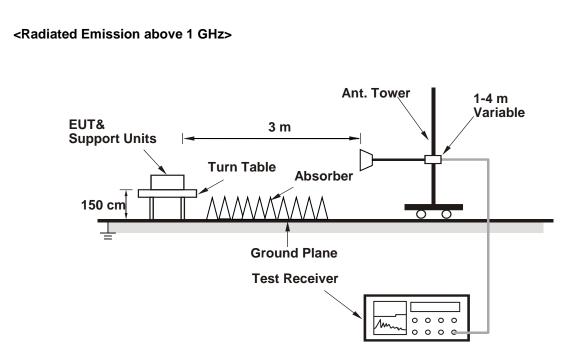


4.1.5 Test Set Up

<Radiated Emission below 30 MHz>







For the actual test configuration, please refer to the attached file (Test Setup Photo).

- 4.1.6 EUT Operating Conditions
- a. Placed the EUT on the testing table.
- b. Set the EUT under transmission condition continuously at specific channel frequency.

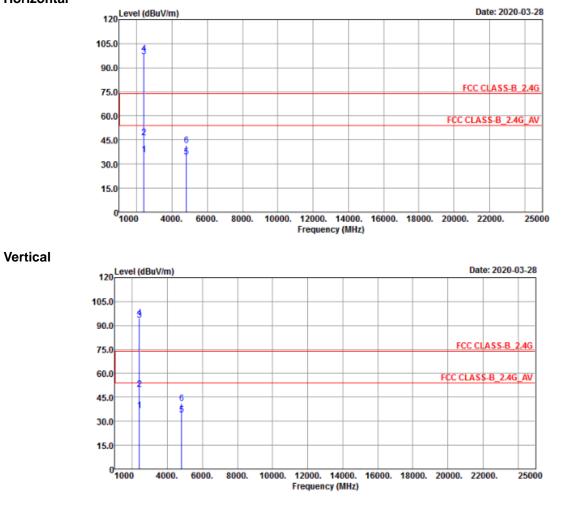


4.1.7 Test Results

Above 1 GHz Data:

EUT Test Condition		Measurement Detail		
Channel	Channel 0	Frequency Range	1 GHz ~ 25 GHz	
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Average (AV)	
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Getaz Yang	

Horizontal





Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
2390	35.95	41.48	-5.53	54	-18.05	169	173	Average
2390	46.32	51.85	-5.53	74	-27.68	169	173	Peak
2402	96.93	102.5	-5.57			169	173	Average
2402	98.57	104.14	-5.57			169	173	Peak
4804	34.45	49.47	-15.02	54	-19.55	100	234	Average
4804	41.61	56.63	-15.02	74	-32.39	100	234	Peak
		Antenn	a Polarity &	Test Dista	nce: Vertica	l at 3 m		
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
2390	36.65	42.18	-5.53	54	-17.35	270	337	Average
2390	50.24	55.77	-5.53	74	-23.76	270	337	Peak
2402	93.27	98.84	-5.57			270	337	Average
2402	94.92	100.49	-5.57			270	337	Peak
4804	34.12	49.14	-15.02	54	-19.88	229	275	Average
4804	41.34	56.36	-15.02	74	-32.66	229	275	Peak

Remarks:

1. Emission Level = Read Level + Factor

Margin value = Emission level – Limit value

2. 2402 MHz: Fundamental frequency.

3. The emission levels of other frequencies were very low against the limit.



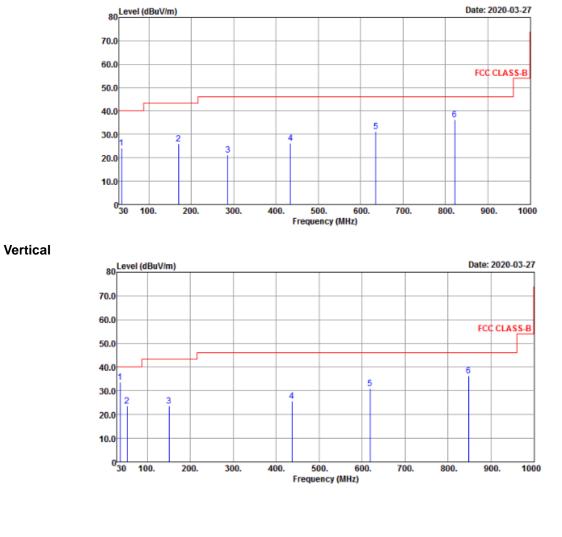
9 kHz ~ 30 MHz Data:

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

30 MHz ~ 1 GHz Worst-Case Data:

EUT Test Condition		Measurement Detail		
Channel	Channel 0	Frequency Range	30 MHz ~ 1 GHz	
Input Power	120 Vac, 60 Hz	Detector Function	Peak (PK) Quasi-peak (QP)	
Environmental Conditions	25 deg. C, 65 % RH	Tested By	Getaz Yang	

Horizontal





Antenna Polarity & Test Distance: Horizontal at 3 m								
Frequency (MHz)	Emission Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)	Remark
34.85	24.21	36.81	-12.6	40	-15.79	118	214	Peak
169.68	26.09	38.44	-12.35	43.5	-17.41	135	162	Peak
286.08	21.2	32.73	-11.53	46	-24.8	129	48	Peak
434.49	26.19	33.08	-6.89	46	-19.81	116	79	Peak
635.28	31.4	33.13	-1.73	46	-14.6	101	52	Peak
821.52	36.17	33.97	2.2	46	-9.83	111	101	Peak
		Antenn	a Polarity &	Test Dista	nce: Vertica	l at 3 m		
Frequency (MHz)	Frequency Emission Read Level Factor Limit Margin (dB) Antenna Table Angle Rem					Remark		
36.79	33.59	46.13	-12.54	40	-6.41	113	65	Peak
53.28	23.61	35.46	-11.85	40	-16.39	115	238	Peak
150.28	23.5	35.21	-11.71	43.5	-20	127	240	Peak
436.43	25.79	32.59	-6.8	46	-20.21	134	307	Peak
618.79	31.14	33.24	-2.1	46	-14.86	109	80	Peak
847.71	36.28	33.86	2.42	46	-9.72	127	127	Peak

Remarks:

1. Emission Level = Read Level + Factor

Margin value = Emission level - Limit value

2. The emission levels of other frequencies were very low against the limit.



4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

	Conducted Limit (dBuV)			
Frequency (MHz)	Quasi-Peak	Average		
0.15 - 0.5	66 - 56	56 - 46		
0.50 - 5.0	56	46		
5.0 - 30.0	60	50		

Note: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.

4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver ROHDE & SCHWARZ	ESR3	102412	Feb. 17, 2020	Feb. 16, 2021
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond2-01	Sep. 05, 2019	Sep. 04, 2020
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Jan. 20, 2020	Jan. 19, 2021
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Aug. 13, 2019	Aug. 12, 2020
Software ADT	BV ADT_Cond_ V7.3.7.4	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Shielded Room 2.

3. The VCCI Site Registration No. is C-12047.



4.2.3 Test Procedures

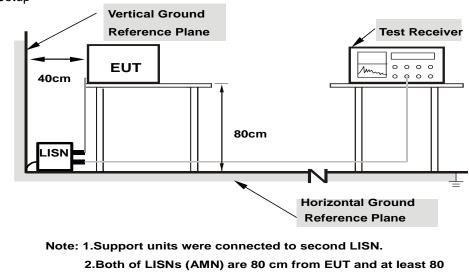
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/50 uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz - 30 MHz.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



from other units and other metal planes

4.2.6 EUT Operating Conditions

- a. Placed the EUT on the testing table.
- b. Set the EUT under transmission condition continuously at specific channel frequency.



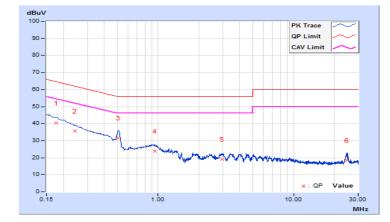
4.2.7 Test Results

Frequency Range	150kHz ~ 30MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	Environmental Conditions	25℃, 65%RH
Tested by	Jisyong Wang	Test Date	2020/3/27

Phase Of Power : Line (L)										
	Frequency	Correction	U U		Emission Level		Limit		Margin	
No		Factor	(dBuV)		(dBuV)		(dBuV)		(dB)	
	(MHz)	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17605	10.16	30.25	21.97	40.41	32.13	64.67	54.67	-24.26	-22.54
2	0.24225	10.18	25.36	20.86	35.54	31.04	62.02	52.02	-26.48	-20.98
3	0.50484	10.21	21.40	16.87	31.61	27.08	56.00	46.00	-24.39	-18.92
4	0.94650	10.25	13.58	9.84	23.83	20.09	56.00	46.00	-32.17	-25.91
5	2.97825	10.34	8.91	6.25	19.25	16.59	56.00	46.00	-36.75	-29.41
6	24.64125	10.49	8.18	6.63	18.67	17.12	60.00	50.00	-41.33	-32.88

Remarks:

- 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2. The emission levels of other frequencies were very low against the limit.
- 3. Margin value = Emission level Limit value
- 4. Correction factor = Insertion loss + Cable loss
- 5. Emission Level = Correction Factor + Reading Value



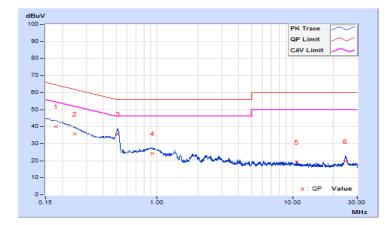


Frequency Range	150kHz ~ 30MHz		Quasi-Peak (QP) / Average (AV), 9kHz
Input Power	120Vac, 60Hz	Environmental Conditions	25℃, 65%RH
Tested by	Jisyong Wang	Test Date	2020/3/27

Phase Of Power : Neutral (N)										
	Frequency	Correction	Reading Value		Emission Level		Limit		Margin	
No		Factor	(dBuV)		(dBuV)		(dBuV)		(dB)	
	(MHz)	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17838	10.13	29.77	23.27	39.90	33.40	64.56	54.56	-24.66	-21.16
2	0.24675	10.14	25.41	21.41	35.55	31.55	61.87	51.87	-26.32	-20.32
3	0.51225	10.19	25.52	18.04	35.71	28.23	56.00	46.00	-20.29	-17.77
4	0.92850	10.23	14.01	10.71	24.24	20.94	56.00	46.00	-31.76	-25.06
5	10.75650	10.59	8.68	7.87	19.27	18.46	60.00	50.00	-40.73	-31.54
6	24.38925	10.68	8.89	6.10	19.57	16.78	60.00	50.00	-40.43	-33.22

Remarks:

- 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2. The emission levels of other frequencies were very low against the limit.
- 3. Margin value = Emission level Limit value
- 4. Correction factor = Insertion loss + Cable loss
- 5. Emission Level = Correction Factor + Reading Value



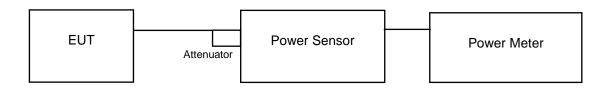


4.3 Conducted Output Power Measurement

4.3.1 Limits of Conducted Output Power Measurement

For systems using digital modulation in the 2400–2483.5 MHz bands: 1 Watt (30 dBm)

4.3.2 Test Setup



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedures

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 Test Results

Channel	Freq. (MHz)	Peak Power		Average Power		Power Limit		
Channel		(mW)	(dBm)	(mW)	(dBm)	(mW)	Pass / Fail	
0	2402	2.009	3.03	1.901	2.79	125	Pass	
19	2440	1.91	2.81	1.854	2.68	125	Pass	
39	2480	1.811	2.58	1.786	2.52	125	Pass	



5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).



Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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