

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)

Report No.: RFBDBO-WTW-P25080436

FCC ID: 2BP6LZRF32200

Product: Wireless HDMI Kit Receiver

Brand: InVision

Model No.: WHD200-2L RX

Received Date: 2025/8/21

Test Date: 2025/9/1 ~ 2025/9/2

Issued Date: 2025/10/21

Applicant: InVision Medical, Co.

Address: 19 Scotch Pine Circle North Oaks, MN 55127, United States

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

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Test Location: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

FCC Registration / 198487 / TW2021

Designation Number:

Approved by:

Jeremy Lin

Jeremy Lin / Project Engineer

, Date:

2025/10/21

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Prepared by : Jessica Cheng / Senior Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBDBO-WTW-P25080436	Original release.	2025/10/21

1 Certificate

Product: Wireless HDMI Kit Receiver

Brand: InVision

Test Model: WHD200-2L RX

Sample Status: Engineering sample

Applicant: InVision Medical, Co.

Test Date: 2025/9/1 ~ 2025/9/2

Standard: 47 CFR FCC Part 15, Subpart E (Section 15.407)

Measurement ANSI C63.10: 2020

procedure: KDB 789033 D02 General UNII Test Procedure New Rules v02r01

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.

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Clause	Test Item	Result	Remark
15.407(b)(9)	AC Power Conducted Emissions	Pass	Minimum passing margin is -6.26 dB at 0.15000 MHz
15.407(b)(9)	Unwanted Emissions below 1 GHz	Pass	Minimum passing margin is -2.8 dB at 31.26 MHz

Notes: 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	Specification	Expanded Uncertainty (k=2) (±)
AC Power Conducted Emissions	9 kHz ~ 30 MHz	2.9 dB
Unwanted Emissions below 1 GHz	9 kHz ~ 30 MHz	2.55 dB
	30 MHz ~ 1 GHz	5.77 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Wireless HDMI Kit Receiver
Brand	InVision
Test Model	WHD200-2L RX
Status of EUT	Engineering sample
Power Supply Rating	5Vdc
Modulation Technology	OFDM
Transfer Rate	100Kbps transmission, 1Gbps reception
Operating Frequency	5180 ~ 5240MHz, 5270 ~ 5310MHz, 5510 ~ 5670MHz & 5745 ~ 5825MHz
Number of Channel	5180 ~ 5240MHz: 4 for WHDI (20MHz), 2 for WHDI (40MHz) 5270 ~ 5310MHz: 2 for WHDI (40MHz) 5510 ~ 5670MHz: 3 for WHDI (40MHz) 5745 ~ 5825MHz: 5 for WHDI (20MHz), 2 for WHDI (40MHz)

Note:

1. This report is prepared for FCC class I permissive change. This report is issued as a supplementary report to FCC ID: 2BP6LZRF32200. The difference compared with original report is listing as below.

Difference
♦ Add Adapter (MASS POWER, S012-1D050200VU-H)

2. According to above condition, therefore only the AC Power Conducted Emissions & Unwanted Emissions below 1 GHz test items need to be performed. And all data were verified to meet the requirements.

3. The EUT consumes power from the following adapters. (additional as shaded area)

Item	Brand	Model	Specification
Adapter 1	SINO-AMERICAN	SA110C-05S-A	AC Input : 100-240Vac, 50-60Hz, 0.3A DC Output : 5Vdc, 1.5A, 7.5W Cable: 1.5m Shielded USB cable with 1 core
Adapter 2	Asian Power Devices Inc.	WA-10K05R	AC Input : 100-240Vac, 50-60Hz, 0.3A Max. DC Output : 5Vdc, 2A Cable: 0.45m Shielded USB cable with 1 core
Adapter 3	Asian Power Devices Inc.	WA-10P05FU	AC Input : 100-240Vac, 50-60Hz, 0.3A Max. DC Output : 5Vdc, 2A Cable: 1.5m non-shielded cable with 1 core
Adapter 4	Asian Power Devices Inc.	WB-10E05FU	AC Input : 100-240Vac, 50-60Hz, 0.4A Max. DC Output : 5Vdc, 2A Cable: 1.45m non-shielded cable with 1 core
Adapter 5	Asian Power Devices Inc.	WB-10E05R	AC Input : 100-240Vac, 50-60Hz, 0.4A Max. DC Output : 5Vdc, 2A Cable: 0.45m Shielded USB cable with 1 core
Adapter 6	MASS POWER	S012-1D050200VU-H	AC Input : 100-240Vac, 50/60Hz, 0.3A DC Output : 5.0V, 2.0A Cable: 1.5m Shielded USB cable

4. The EUT uses following accessories.

Item	Brand	Model	Specification
Remote Control	ZINWELL	JX-9051	-
HDMI cable	-	-	1.55m, w/o core
IR cable	-	-	1.45m, w/o core

5. 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 Antenna Description of EUT

1. The antenna information is listed as below.

RF Chain NO.	Gain (dBi)	Antenna Type	Connector Type
1TX	6.2	Printed	none
2RX	6.2	Printed	none
3RX	6.2	Chip	none

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2. The EUT provides 1 completed transmitter and 5 receivers.

Modulation Mode	TX & Rx Configuration	
WHDI (20MHz)	1TX	5RX
WHDI (40MHz)	1TX	5RX

3.3 Channel List

FOR 5180 ~ 5240 MHz

4 channels are provided for WHDI (20MHz):

Channel	Frequency	Channel	Frequency
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

2 channels are provided for WHDI (40MHz):

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

FOR 5270 ~ 5310MHz

2 channels are provided for WHDI (40MHz):

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

FOR 5510 ~ 5670MHz

3 channels are provided for WHDI (40MHz):

Channel	Frequency	Channel	Frequency
102	5510 MHz	134	5670 MHz
110	5550 MHz		

FOR 5745 ~ 5825MHz

5 channels are provided for WHDI (20MHz):

Channel	Frequency	Channel	Frequency
149	5745 MHz	161	5805 MHz
153	5765 MHz	165	5825 MHz
157	5785 MHz		

2 channels are provided for WHDI (40MHz):

Channel	Frequency	Channel	Frequency
151	5755MHz	159	5795MHz

3.4 Test Mode Applicability and Tested Channel Detail

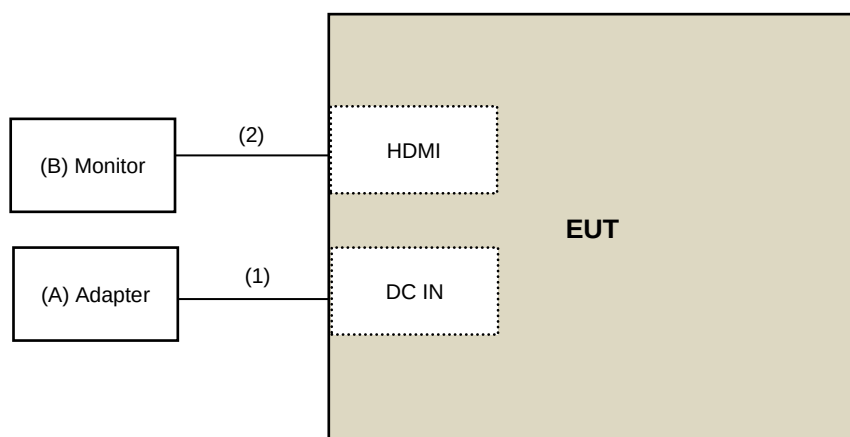
Following channel(s) was (were) selected for the final test as listed below:

Test Item	Mode	Tested Channel	Modulation	Data Rate Parameter
AC Power Conducted Emissions	WHDI(40 MHz)	46	OFDM	100Mbps
Unwanted Emissions below 1 GHz	WHDI(40 MHz)	46	OFDM	100Mbps

3.5 Test Program Used and Operation Descriptions

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.

3.6 Connection Diagram of EUT and Peripheral Devices



3.7 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Adapter	MASS POWER	S012-1D050200VU-H	N/A	N/A	Supplied by applicant
B	Monitor	ASUS	PA279CV	M7LMTF235959	DoC	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	Adapter DC cable	1	1.5	Y	0	Supplied by applicant
2	HDMI cable	1	1.55	Y	0	Supplied by applicant

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 AC Power Conducted Emissions

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
50 ohm terminal resistance LYNICS	0900510	E1-011284	2024/9/16	2025/9/15
		E1-011285	2024/9/25	2025/9/24
DC LISN R&S	ESH3-Z6	100219	2025/7/10	2026/7/9
		844950/018	2025/7/10	2026/7/9
Diode Pulse Limiter Schwarzbeck	VTSD 9561 F-N	01631	2025/5/2	2026/5/1
EMI Test Receiver R&S	ESR3	102412	2024/12/26	2025/12/25
		102414	2024/12/11	2025/12/10
High Pass Filter EMCI	150HPF-ME	114005	2025/5/2	2026/5/1
		114006	2025/5/2	2026/5/1
	150HPF-MF	113009	2025/5/2	2026/5/1
High Voltage Probe Schwarzbeck	TK9420	00982	2024/12/6	2025/12/5
LISN R&S	ENV216	101195	2025/7/18	2026/7/17
		101196	2025/5/19	2026/5/18
		101197	2025/7/4	2026/7/3
LISN Schwarzbeck	NNLK 8121	8121-731	2025/6/10	2026/6/9
		8121-00759	2025/8/12	2026/8/11
		8121-808	2025/4/23	2026/4/22
	NNLK 8129	00624	2024/10/9	2025/10/8
		8129229	2024/10/14	2025/10/13
	NSLK 8128	8128-244	2024/11/11	2025/11/10
Passive Voltage Probe R&S	ESH2-Z3	100073	2025/5/26	2026/5/25
RF Coaxial Cable PEWC	5D-FB	Cable-CO5-01	2025/1/17	2026/1/16
Software BVADT	Cond_V7.4.1.0	N/A	N/A	N/A

Notes:

1. The test was performed in Linkou Conduction 5.
2. Tested Date: 2025/9/2

4.2 Unwanted Emissions below 1 GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Bi_Log Antenna Schwarzbeck	VULB 9168	137	2024/10/9	2025/10/8
Coupling / Decoupling Network Schwarzbeck	CDNE-M2	00097	2025/5/28	2026/5/27
	CDNE-M3	00091	2025/3/20	2026/3/19
Loop Antenna TESEQ	HLA 6121	64095	2024/10/17	2025/10/16
MXE EMI Receiver Agilent	N9038A	MY50010158	2024/10/11	2025/10/10
Preamplifier Agilent	8447D	2944A11064	2025/2/14	2026/2/13
RF Coaxial Cable Pacific	8D-FB	Cable-CH6-02	2025/6/24	2026/6/23
Signal Analyzer R&S	FSV40	101544	2025/7/1	2026/6/30
Software BVADT	Radiated_V8.7.08	N/A	N/A	N/A
Tower ADT	AT100	0306	N/A	N/A
Turn Table ADT	TT100	0306	N/A	N/A

Notes:

1. The test was performed in Linkou 966 Chamber 6 (CH 6).
2. Tested Date: 2025/9/1

5 Limits of Test Items

5.1 AC Power Conducted Emissions

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

Notes:

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.

5.2 Unwanted Emissions below 1 GHz

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

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

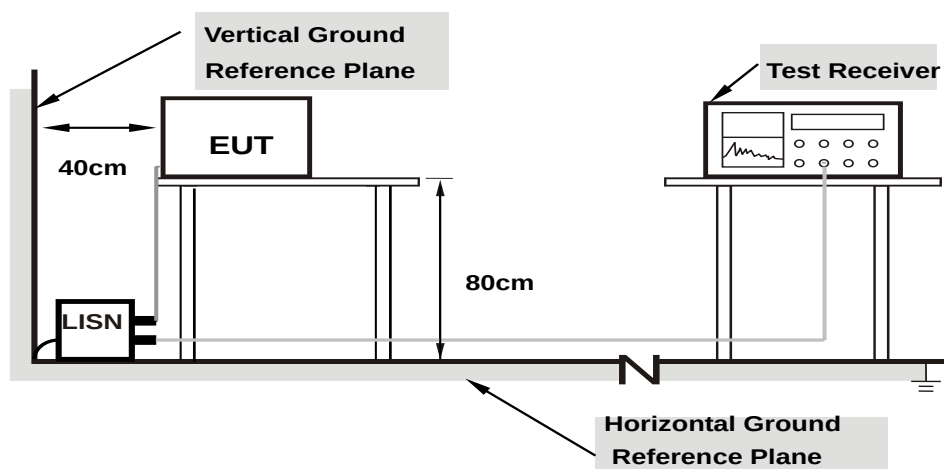
Notes:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

6 Test Arrangements

6.1 AC Power Conducted Emissions

6.1.1 Test Setup



Note: 1. Support units were connected to second LISN.

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

6.1.2 Test Procedure

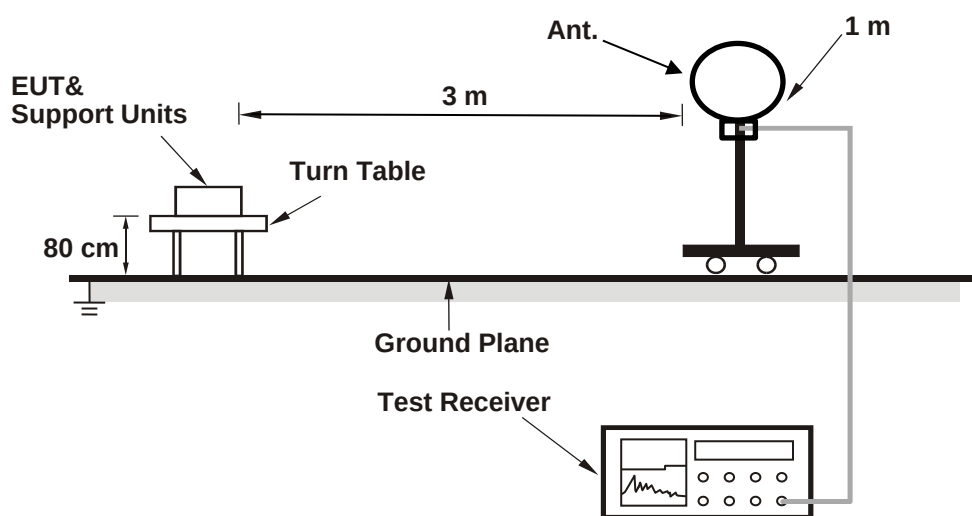
- The EUT was placed on a 0.8 meter to the top of table and placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50 uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- 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.

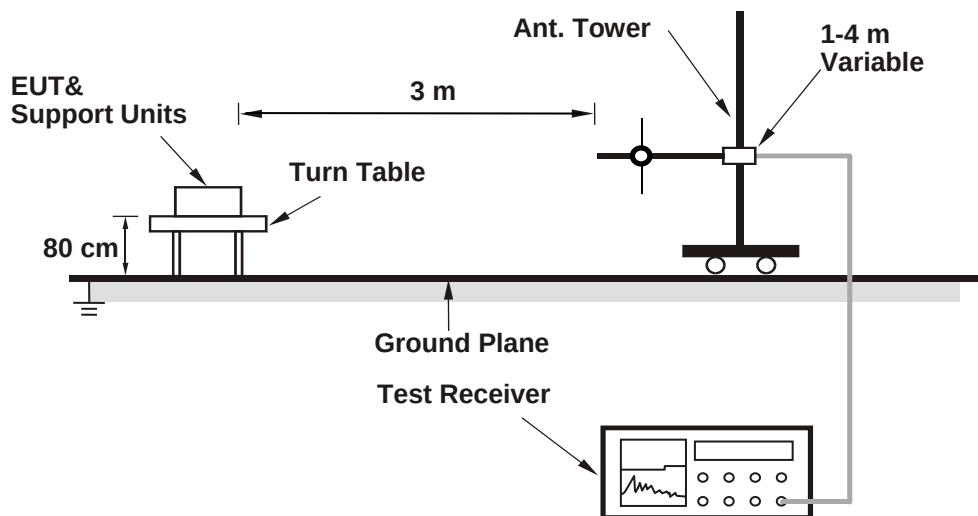
6.2 Unwanted Emissions below 1 GHz

6.2.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.2.2 Test Procedure

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 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. 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, except for the frequency band (9 kHz to 90 kHz and 110 kHz to 490 kHz) set to average detect function and peak detect function.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200 Hz at frequency below 150 kHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz or 10 kHz at frequency (150 kHz to 30 MHz).
3. All modes of operation were investigated and the worst-case emissions are reported.

For Radiated emission above 30 MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters 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(QP) detect function, Average(AV) detect function, Peak(PK) detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1 GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

7 Test Results of Test Item

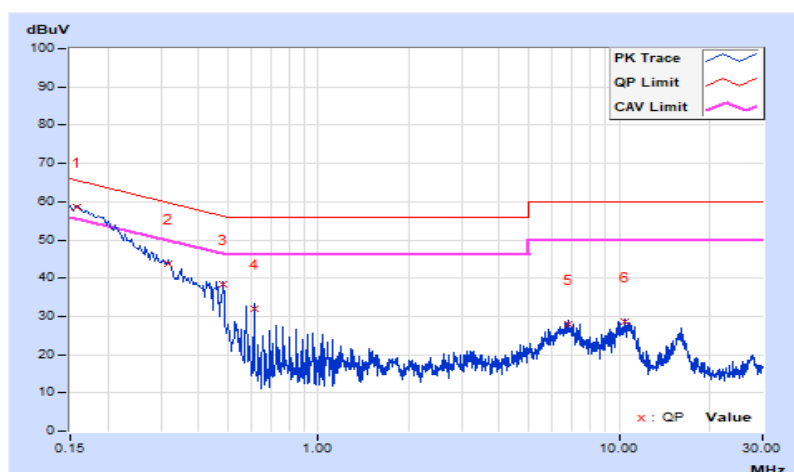
7.1 AC Power Conducted Emissions

RF Mode	WHDI(40 MHz)	Channel	CH 46 : 5230 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Jed Wu		

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15719	10.32	48.21	27.67	58.53	37.99	65.61	55.61	-7.08	-17.62
2	0.31817	10.37	33.24	15.48	43.61	25.85	59.75	49.75	-16.14	-23.90
3	0.48244	10.42	27.90	13.87	38.32	24.29	56.30	46.30	-17.98	-22.01
4	0.61342	10.43	21.58	5.46	32.01	15.89	56.00	46.00	-23.99	-30.11
5	6.74822	10.85	17.03	9.43	27.88	20.28	60.00	50.00	-32.12	-29.72
6	10.42847	11.04	17.70	9.23	28.74	20.27	60.00	50.00	-31.26	-29.73

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

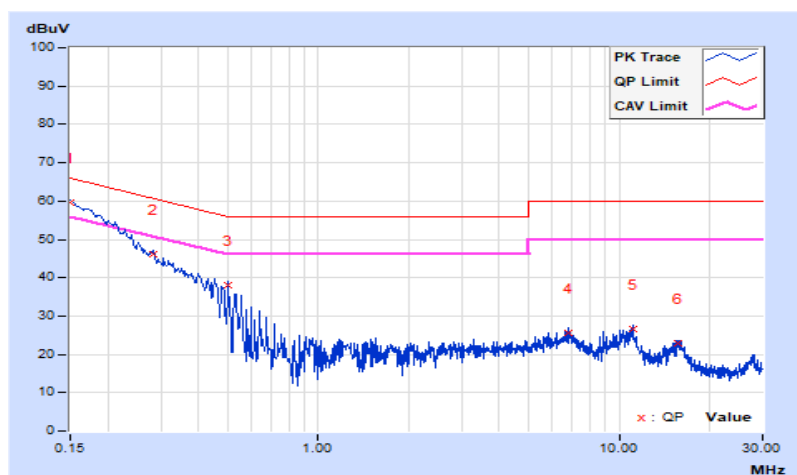


RF Mode	WHDI(40 MHz)	Channel	CH 46 : 5230 MHz
Frequency Range	150 kHz ~ 30 MHz	Detector Function & Resolution Bandwidth	Quasi-Peak (QP) / Average (AV), 9 kHz
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 75% RH
Tested By	Jed Wu		

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.41	49.33	28.66	59.74	39.07	66.00	56.00	-6.26	-16.93
2	0.28214	10.42	35.87	17.00	46.29	27.42	60.75	50.75	-14.46	-23.33
3	0.50391	10.43	27.49	19.69	37.92	30.12	56.00	46.00	-18.08	-15.88
4	6.79124	10.85	14.68	9.75	25.53	20.60	60.00	50.00	-34.47	-29.40
5	11.13245	11.08	15.51	10.00	26.59	21.08	60.00	50.00	-33.41	-28.92
6	15.75525	11.19	11.65	6.41	22.84	17.60	60.00	50.00	-37.16	-32.40

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



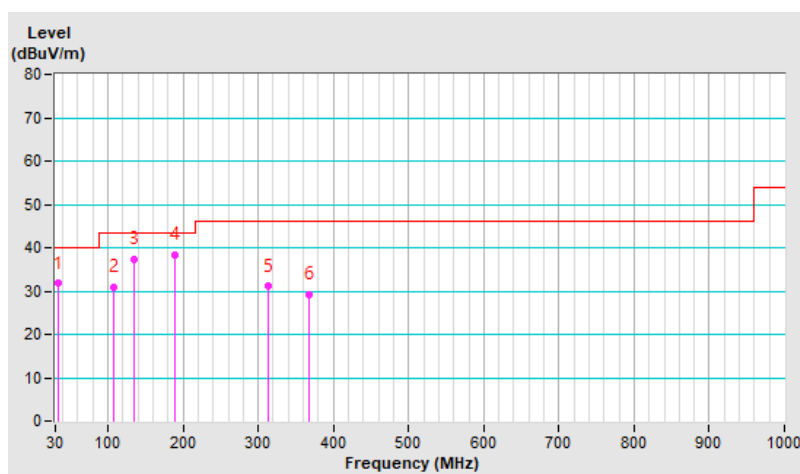
7.2 Unwanted Emissions below 1 GHz

RF Mode	WHDI(40 MHz)	Channel	CH 46 : 5230 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Environmental Conditions	25 °C, 75% RH	Tested By	Jed Wu

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.59	31.7 QP	40.0	-8.3	1.05 H	80	42.1	-10.4
2	108.08	31.0 QP	43.5	-12.5	1.17 H	141	42.7	-11.7
3	135.15	37.3 QP	43.5	-6.2	1.43 H	136	46.2	-8.9
4	189.18	38.3 QP	43.5	-5.2	1.58 H	201	48.2	-9.9
5	312.71	31.1 QP	46.0	-14.9	1.68 H	218	36.3	-5.2
6	368.34	29.3 QP	46.0	-16.7	1.97 H	208	33.5	-4.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

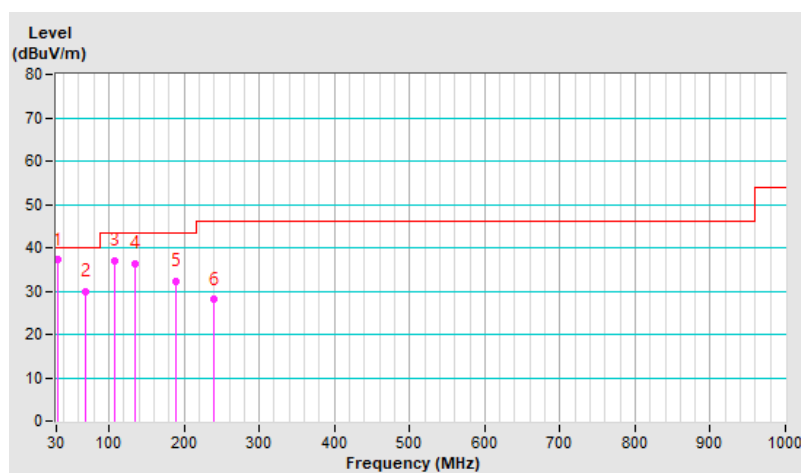


RF Mode	WHDI(40 MHz)	Channel	CH 46 : 5230 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	QP: RB=120 kHz, DET=Quasi-Peak
Environmental Conditions	25 °C, 75% RH	Tested By	Jed Wu

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.26	37.2 QP	40.0	-2.8	1.46 V	247	47.9	-10.7
2	68.61	30.0 QP	40.0	-10.0	1.17 V	320	40.3	-10.3
3	108.13	36.9 QP	43.5	-6.6	1.38 V	214	48.6	-11.7
4	135.15	36.2 QP	43.5	-7.3	1.65 V	211	45.1	-8.9
5	189.18	32.3 QP	43.5	-11.2	1.97 V	264	42.2	-9.9
6	240.00	28.0 QP	46.0	-18.0	1.20 V	360	36.5	-8.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 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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