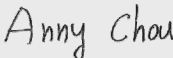




Test report No: 22A0297R-0E3012110014-A

FCC TEST REPORT

Product Name	Peplink Pepwave Wireless Product
Trademark	
Model and /or type reference	MAX HD1, MAX HD2, MAX-HD1-5GH-T, MAX-HD1-5GH-T-PRM, MAX-HD2-5GH-T, MAX-HD2-5GH-T-PRM
FCC ID	U8G-P1AX17
Applicant's name / address	PISMO LABS TECHNOLOGY LIMITED A8, 5/F, HK Spinners Industrial Building, Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Hong Kong
Manufacturer's name / address	PISMO LABS TECHNOLOGY LIMITED A8, 5/F, HK Spinners Industrial Building, Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Hong Kong
Test method requested, standard	FCC CFR Title 47 Part 15 Subpart B:2021, Class A
Verdict Summary	IN COMPLIANCE
Documented By (Senior Adm. Specialist / Anny Chou)	
Approved By (Director / Vincent Lin)	
Date of Report	2022/10/13
Date of Issue	2024/03/21
Report No.	22A0297R-0E3012110014-A
Report Version	V4.0

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Test Photos: Please refer to the file: 22A0297R-0E3012110014-A-Test Photos

Product Photos: Please refer to the file: 22A0297R-Product Photos

Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

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The results presented in this Test Report apply only to the particular item under test established in this document.

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General conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Report No.	Version	Description	Issued Date
22A0297R-0E3012110014-A	V1.0	Initial issue of report	2023-05-16
22A0297R-0E3012110014-A	V2.0	Put the test photos in a separate file.	2023-05-18
22A0297R-0E3012110014-A	V3.0	Update the Mode description.	2023-06-09
22A0297R-0E3012110014-A	V4.0	Report add FCC ID.	2024-03-21

1. General Information

1.1. EUT Description

Product Name	Peplink Pepwave Wireless Product
Trademark	
Model No.	MAX HD1, MAX HD2, MAX-HD1-5GH-T, MAX-HD1-5GH-T-PRM, MAX-HD2-5GH-T, MAX-HD2-5GH-T-PRM
EUT Max Frequency	5.85GHz
EUT Rated Voltage	Molex power port: 12-56V DC, 180W max Terminal Block: 12-56V DC, 210W max
EUT Test Voltage	Molex power port: 12 & 56V DC Molex power port: AC 120V/60Hz to 12VDC (power by adapter) Terminal Block: 12 & 56V DC

Component	
GPS Cable	Shielded, 5.0m
Power Adapter	MFR: DEE VAN ENTERPRISE CO.,LTD. M/N: DSA-36PFN-12 FUS 120300 INPUT: 100-240V~, 50/60Hz, 1.0A OUTPUT: 12.0V=3.0A Cable Out: Shielded, 1.5m.

Note: The EUT is including six models for different MAX HD1 only installs one Cellular module, MAX HD2 installs two Cellular modules.

1.2. Mode of Operation

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode
Mode 1: Normal Operation (WiFi 2.4G,WiFi 5G, WWAN LTE B7 Link SIM A, LAN 1Gbps, WAN 2.5G bps, USB R/W) Adapter Mode
Mode 2: Normal Operation (WiFi 2.4G,WiFi 5G,WWAN LTE B7 Link SIM B, LAN 1Gbps, WAN 2.5G bps, USB R/W) Adapter Mode
Mode 3: Normal Operation (WiFi 2.4G,WiFi 5G,WWAN LTE B7 Link SIM A, LAN 1Gbps, WAN 2.5G bps, USB R/W) Molex DC 12V
Mode 4: Normal Operation (WiFi 2.4G,WiFi 5G,WWAN LTE B7 Link SIM A, LAN 1Gbps, WAN 2.5G bps, USB R/W) Terminal block DC 12V
Mode 5: Normal Operation (WiFi 2.4G,WiFi 5G,WWAN LTE B7 Link SIM A, LAN 1Gbps, WAN 2.5G bps, USB R/W) Molex DC 56V, PoE Mode
Mode 6: Normal Operation (WiFi 2.4G,WiFi 5G,WWAN LTE B7 Link SIM A, LAN 1Gbps, WAN 2.5G bps, USB R/W) Terminal block DC 56V, PoE Mode
Mode 7: Normal Operation (WiFi 2.4G,WiFi 5G,WWAN 5GNR n78 Link SIM A, LAN 1Gbps, WAN 2.5G bps, USB R/W) Molex DC 12V
Mode 8: Normal Operation (WiFi 2.4G,WiFi 5G,WWAN LTE B7 Idle SIM A, LAN 1Gbps, WAN 2.5G bps, USB R/W) Molex DC 12V
Final Test Mode
Emission
Conducted Emission (Main Terminals)
Mode 8: Normal Operation (WiFi 2.4G,WiFi 5G,WWAN LTE B7 Idle SIM A, LAN 1Gbps, WAN 2.5G bps, USB R/W) Molex DC 12V
Radiated Emission
Mode 1: Normal Operation (WiFi 2.4G,WiFi 5G, WWAN LTE B7 Link SIM A, LAN 1Gbps, WAN 2.5G bps, USB R/W) Adapter Mode

Note. Refer to Certified Cellular module report worst band to test.

1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

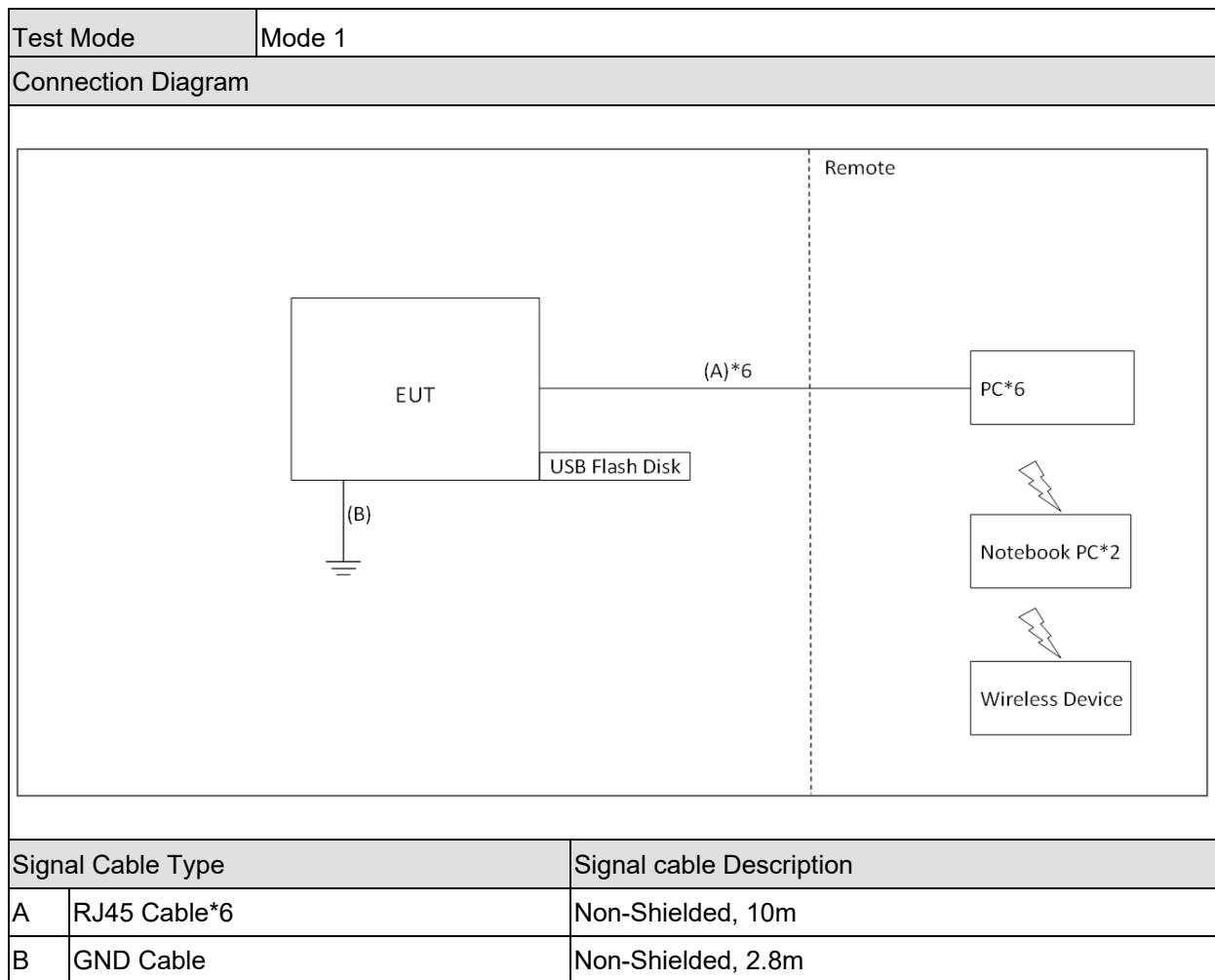
Test Mode		Mode 1			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	PC	Lenovo	ThinkCentre Neo 50t	PC2B3TJ0	Non-Shielded, 1.8m
2	PC	Lenovo	ThinkCentre Neo 50t	PC2EBZ1W	Non-Shielded, 1.8m
3	PC	Lenovo	ThinkCentre Neo 50t	PC2CMAHX	Non-Shielded, 1.8m
4	PC	Lenovo	ThinkCentre Neo 50t	PC2CMA1J	Non-Shielded, 1.8m
5	PC	Lenovo	ThinkCentre Neo 50t	PC2CMAJK	Non-Shielded, 1.8m
6	PC	Lenovo	ThinkCentre Neo 50t	PC2B3TH9	Non-Shielded, 1.8m
7	Notebook PC	Lenovo	TP00116D	PF-3QYGJ7	Non-Shielded, 1.0m
8	Notebook PC	Lenovo	TP00116D	PF-3R1VCB	Non-Shielded, 1.0m
9	USB Flash Drive	ADATA	UV128	N/A	N/A

Test Mode		Mode 8			
Product		Manufacturer	Model No.	Serial No.	Power Cord
1	PC	Lenovo	ThinkCentre Neo 50t	PC2B3TJ0	Non-Shielded, 1.8m
2	PC	Lenovo	ThinkCentre Neo 50t	PC2EBZ1W	Non-Shielded, 1.8m
3	PC	Lenovo	ThinkCentre Neo 50t	PC2CMAHX	Non-Shielded, 1.8m
4	PC	Lenovo	ThinkCentre Neo 50t	PC2CMA1J	Non-Shielded, 1.8m
5	PC	Lenovo	ThinkCentre Neo 50t	PC2CMAJK	Non-Shielded, 1.8m
6	PC	Lenovo	ThinkCentre Neo 50t	PC2B3TH9	Non-Shielded, 1.8m
7	Notebook PC	Lenovo	TP00116D	PF-3QYGJ7	Non-Shielded, 1.0m
8	Notebook PC	Lenovo	TP00116D	PF-3R1VCB	Non-Shielded, 1.0m
9	USB Flash Disk	ADATA	UV128	N/A	N/A
10	DC Power Supply	GW	GPC-6030D	N/A	Non-Shielded, 1.8m

Wireless device

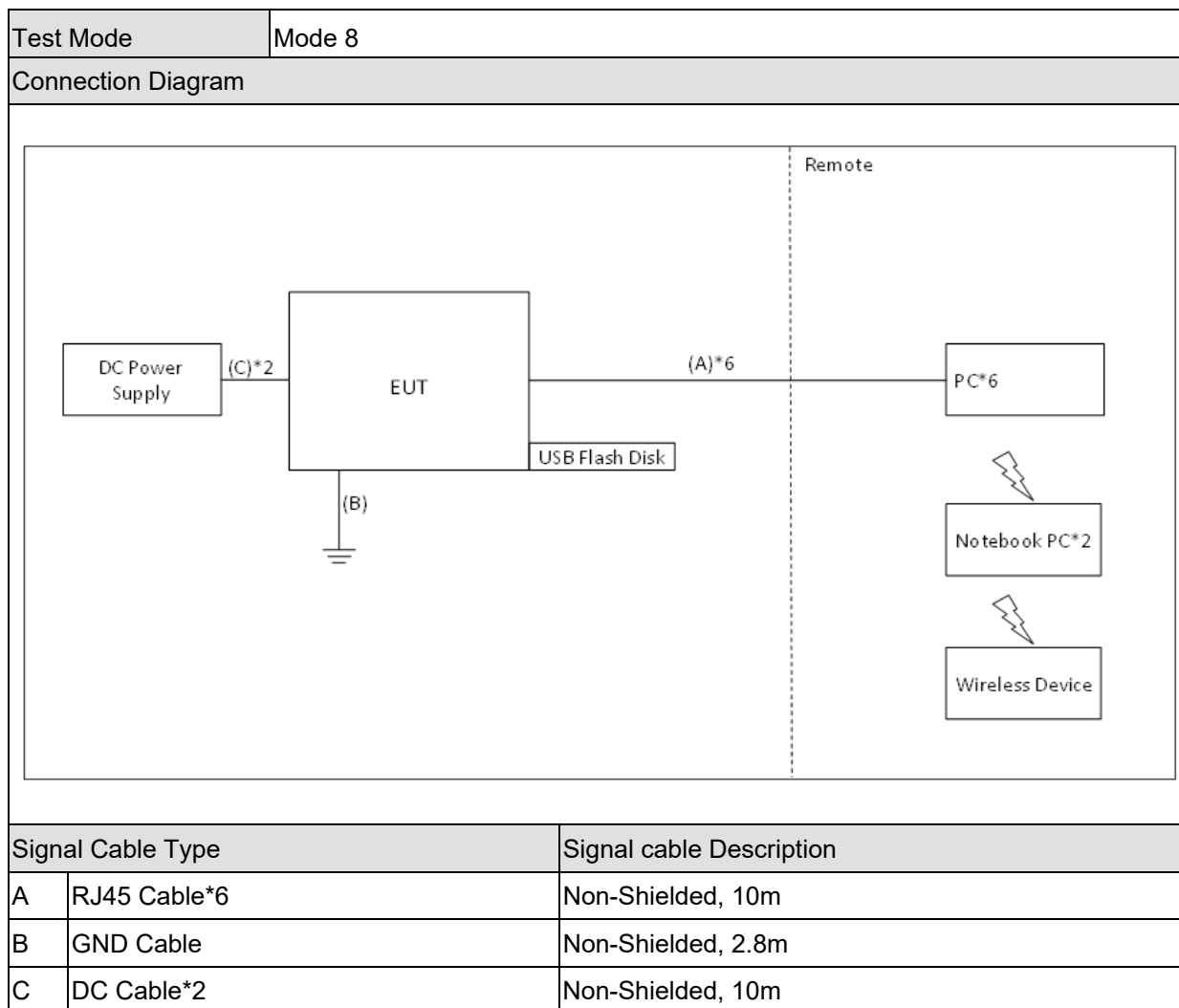
Product	Manufacturer	Model No.	Serial No.
Wireless Router	ASUS	RT-AC58U	J2ITRH000503
Wireless Router	ASUS	ROG GAPTURE GT-AXE11000	M6IAJF200937
Base Station	R&S	CMW500	152861
UXM 5G Wireless Test Platform	Keysight	E7515B	MY59321672
GPS Simulator	Oroila	GSG-5	202350

1.4. Configuration of Tested System



Note:

- ☒ Use Full system setup configuration determines Worst-Case Mode.
- ☐ Use 2dB law program determines Max. Cable Configuration and Worst-Case Mode.
- ☒ Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth to 3m from the EUT size sufficient to cover the procedure.
- ☒ Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth non 3m distance sufficient to cover the size of the EUT program.



Note:

- ☒ Use Full system setup configuration determines Worst-Case Mode.
- ☐ Use 2dB law program determines Max. Cable Configuration and Worst-Case Mode.
- ☒ Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth to 3m from the EUT size sufficient to cover the procedure.
- ☒ Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth non 3m distance sufficient to cover the size of the EUT program.

1.5. EUT Exercise Software

Mode 1	
1	EUT power on.
2	Remote PC, notebook PC executed "ping" with EUT.
3	EUT executed USB function.
4	The EUT and UXM 5G wireless test platform remain connected via LTE.
5	The EUT and GPS simulator remain connected via GPS.

Mode 8	
1	EUT power on.
2	Remote PC, notebook PC executed "ping" with EUT.
3	EUT executed USB function.
4	The EUT and UXM 5G wireless test platform remain Idle via LTE.
5	The EUT and GPS simulator remain connected via GPS.

2. Technical Test

2.1. Summary of Test Result

- ☒ No deviations from the test standards
- ☐ Deviations from the test standards as below description:

Emission				
Performed Item	Normative References	Test Performed	Test Site	Verdict
Conducted Emission	FCC CFR Title 47 Part 15 Subpart B:2021, Class A CISPR 22:2008 ANSI C63.4-2014, ANSI C63.4a-2017	Yes	HY-SR09	Pass
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B:2021, Class A CISPR 22:2008 ANSI C63.4-2014, ANSI C63.4a-2017	Yes	HY-CB05	Pass

Note:

1. Test Site information refers to test Laboratory Information.

Test Laboratory:	DEKRA Testing and Certification Co., Ltd. Linkou Laboratory
Address:	No.5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan, R.O.C
Phone number:	+886-2-8601-3788
Fax number:	+886-2-8601-3789
Test Site	
LK:	No.5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan, R.O.C
FS:	No.6, Lane 75, Wenlin St., Linkou Dist., New Taipei City, 244017, Taiwan, R.O.C No. 85, Wenlin St., Linkou Dist., New Taipei City, 244017, Taiwan, R.O.C
HY:	No.26, Huaya 1 st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C

2.2. List of Test Equipment

Conducted Emission / HY-SR09

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
EMI Test Receiver	R&S	ESR3	102917	2022/01/03	2023/01/02
V-LISN	Schwarzbeck	NNLK 8122	00164	2022/04/11	2023/04/10
Coaxial Cable	SUHNER	RG 400	HC001-RG	2022/04/24	2023/04/23

Test Software version : E3 210616 Dekra, V9(C) Audix

Note:Test Receiver Detector:Quasipeak and Average Bandwidth:9kHz

Radiated Emission (Below 1G) / HY-CB05

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	1398	2022/05/20	2023/05/19
EMI Test Receiver	R&S	ESR7	102502	2022/01/10	2023/01/09
Coaxial Cable	ROSNOL	R-Test EW0630	HC003R	2022/06/18	2023/06/17
Coaxial Cable	ROSNOL	R-Test EW0630	HC005R	2022/06/18	2023/06/17
Preamplifier	SGH	SGH0301-P	20220411-1	2022/06/18	2023/06/17
NSA	DEKRA	N/A	N/A	2022/09/01	2023/08/31

Test Software version : E3 210616 Dekra, V9(C) Audix

Note:Test Receiver Detector:Quasipeak Bandwidth:120kHz

Radiated Emission (Above 1GHz) / HY-CB05 (UP to 40GHz)

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
Horn Antenna	COM-POWER	AH-840	101088	2021/09/27	2023/09/26
Double Ridged Guide Horn Antenna	RF SPIN	DRH18-E	210507A18ES	2022/06/08	2023/06/07
EMI Test Receiver	R&S	ESR7	102502	2022/01/10	2023/01/09
Signal Analyzer	R&S	FSV3044	101245	2022/01/04	2023/01/03
Coaxial Cable	ROSNOL	R-Test EW0630	HC003R	2022/06/18	2023/06/17
Coaxial Cable	ROSNOL	R-Test EW0630	HC005R	2022/06/18	2023/06/17
Coaxial Cable	ROSNOL	R-Test EW0630	HC002R	2022/06/18	2023/06/17
Preamplifier	SGH	SGH118-HS	20220411-2	2022/04/22	2023/04/21
Microwave Preamplifier with cable	SGH	SGH184	20220411-3	2022/04/25	2023/04/24
VSWR	DEKRA	N/A	N/A	2022/10/04	2023/10/03

Test Software version : E3 210616 Dekra, V9(C) Audix

2.3. Measurement Uncertainty

Conducted Emission

The measurement uncertainty is evaluated as ± 3.47 dB.

Radiated Emission(Under 1GHz)

The measurement uncertainty is evaluated as ± 4.17 dB.

Radiated Emission(Above 1GHz)

The measurement uncertainty is evaluated as ± 4.22 dB.

2.4. Test Environment

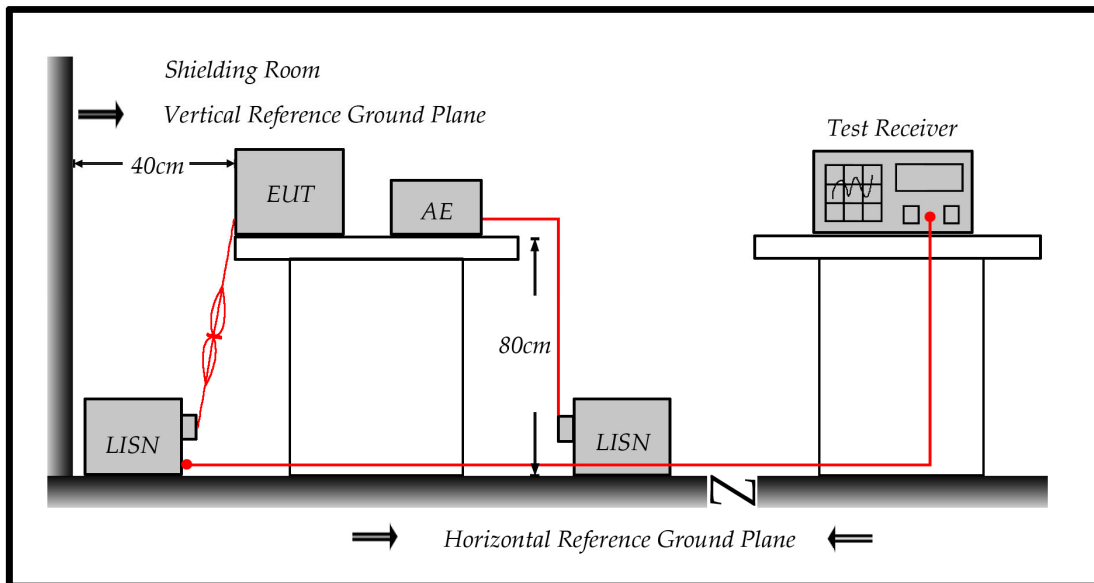
Performed Item	Items	Required
Conducted Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90
Radiated Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90

3. Conducted Emission

3.1. Test Specification

According to Standard : FCC Part 15 Subpart B & CISPR 22

3.2. Test Setup



3.3. Limit

Conducted emissions limits (AC mains power terminals)				
Frequency range (MHz)	Class A Quasi-peak (dBuV)	Class A Average (dBuV)	Class B Quasi-peak (dBuV)	Class B Average (dBuV)
0.15 - 0.5	79	66	66 to 56	56 to 46
0.5 - 5	73	60	56	46
5 - 30	73	60	60	50

Note:

- The more stringent limit applies at transition frequencies.
- The limit level in dBuV decreases linearly with the logarithm of frequency

3.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination.

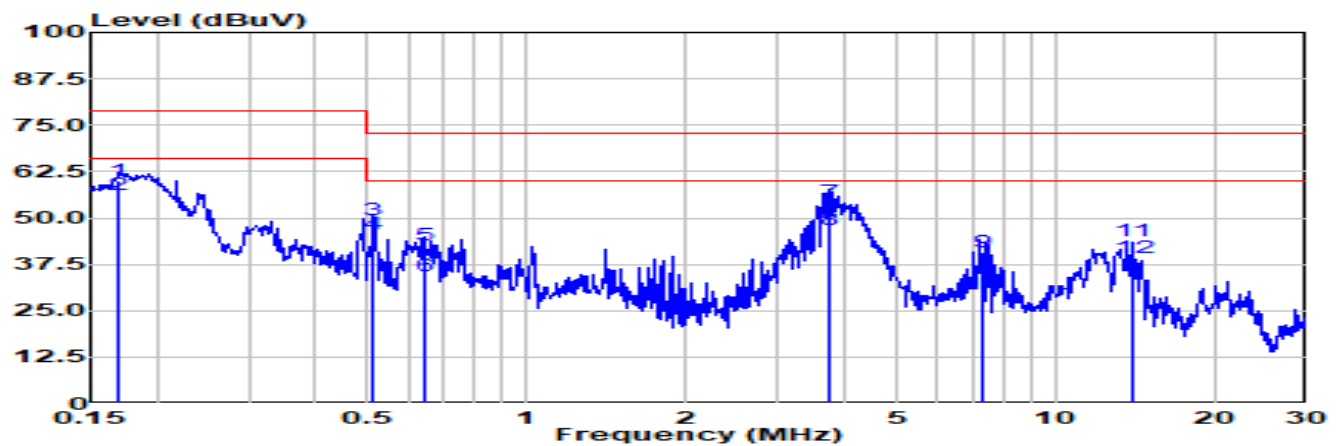
(Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Test Result

Model No	MAX-HD2-5GH-T	Site	HY-SR09
Test Voltage	DC12V	Test Date	2022-11-04
Test Mode	Mode 8	Engineer	Leto Chen
Phase	Positive	Temperature (°C)	24
Test Condition	--	Humidity (%RH)	62



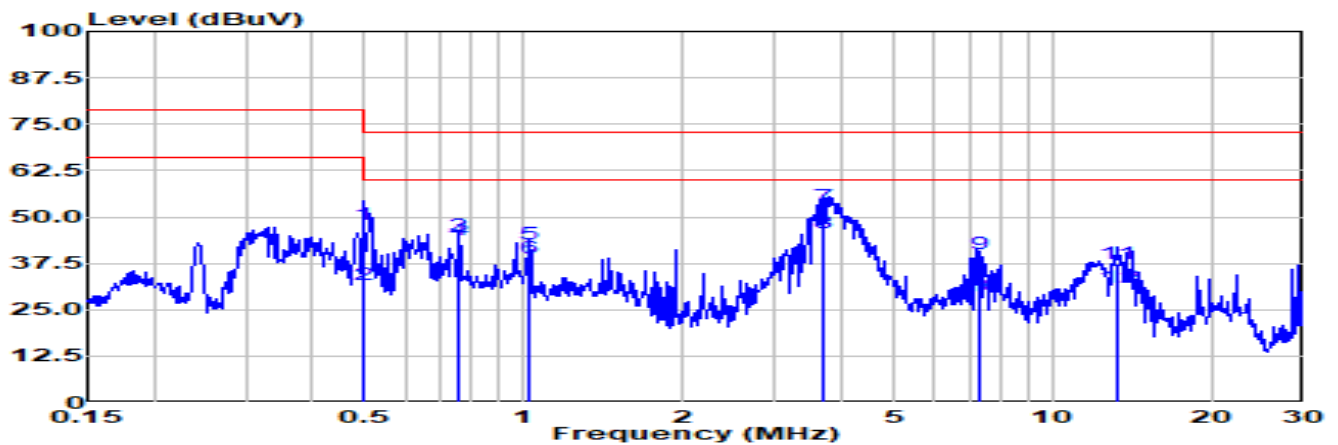
No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.170	59.98	79.00	-19.02	59.88	0.09	QP
2	0.170	56.34	66.00	-9.66	56.25	0.09	Average
3	0.514	49.41	73.00	-23.59	49.30	0.11	QP
4	0.514	45.69	60.00	-14.31	45.57	0.11	Average
5	0.639	42.77	73.00	-30.23	42.65	0.12	QP
6	0.639	34.42	60.00	-25.58	34.30	0.12	Average
7	3.722	54.41	73.00	-18.59	54.12	0.28	QP
8	3.722	46.85	60.00	-13.15	46.57	0.28	Average
9	7.278	40.94	73.00	-32.06	40.48	0.46	QP
10	7.278	29.40	60.00	-30.60	28.94	0.46	Average
11	14.039	43.59	73.00	-29.41	42.85	0.74	QP
12	14.039	39.40	60.00	-20.60	38.66	0.74	Average

Remark:

1. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).

2.Margin=Emission Level-Limit

Model No	MAX-HD2-5GH-T	Site	HY-SR09
Test Voltage	DC12V	Test Date	2022-11-04
Test Mode	Mode 8	Engineer	Leto Chen
Phase	Negative	Temperature (°C)	24
Test Condition	--	Humidity (%RH)	62



No	Frequency (MHz)	Emission Level (dBUV)	Limit (dBUV)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB)	Detector Type
1	0.499	47.83	79.00	-31.17	47.72	0.11	QP
2	0.499	31.72	66.00	-34.28	31.61	0.11	Average
3	0.756	44.81	73.00	-28.19	44.68	0.13	QP
4	0.756	43.67	60.00	-16.33	43.55	0.13	Average
5	1.029	42.71	73.00	-30.29	42.57	0.14	QP
6	1.029	38.85	60.00	-21.15	38.71	0.14	Average
7	3.714	52.78	73.00	-20.22	52.49	0.29	QP
8	3.714	45.72	60.00	-14.28	45.43	0.29	Average
9	7.272	39.82	73.00	-33.18	39.36	0.46	QP
10	7.272	28.60	60.00	-31.40	28.13	0.46	Average
11	13.230	37.54	73.00	-35.46	36.82	0.72	QP
12	13.230	31.00	60.00	-29.00	30.28	0.72	Average

Remark:

1. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).

2.Margin=Emission Level-Limit

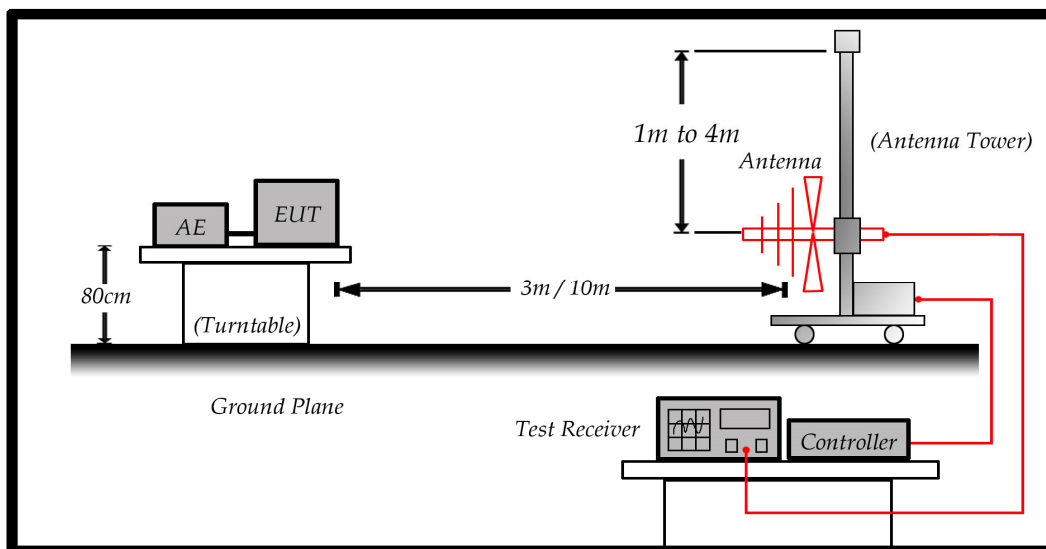
4. Radiated Emission

4.1. Test Specification

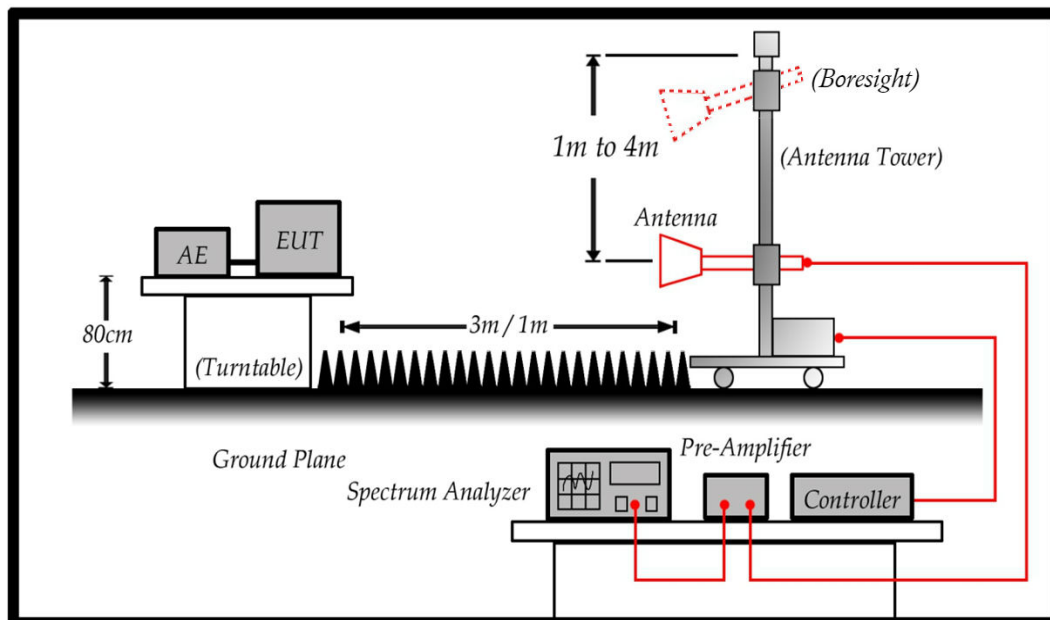
According to EMC Standard : FCC Part 15 Subpart B & CISPR 22

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

Under 1GHz test shall not exceed the following value:

Limits		
Frequency (MHz)	Distance (m)	dBuV/m
30 – 230	10	40
230 – 1000	10	47

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Above 1GHz test shall not exceed the following value:

FCC Part 15 Subpart B Paragraph 15.109 Limits (dBuV/m)		
Frequency (MHz)	Distance(m)	dBuV/m
30-88	10	39
88-216	10	43.5
216-960	10	46.4
960-1000	10	49.5
1000-40000	3	60
18000-40000	1	69.5

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
3. $\text{RF Voltage (dBuV/m)} = 20 \log \text{RF Voltage (uV/m)}$

4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.

The turn table can rotate 360 degrees to determine the position of the maximum emission level and the antenna (boresight antenna tower) can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

On any frequency or frequencies below or equal to 1000MHz, the radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000MHz, the radiated limits shown are based measuring equipment employing an average detector function.

When average radiated emission measurement are included emission measurement Above 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

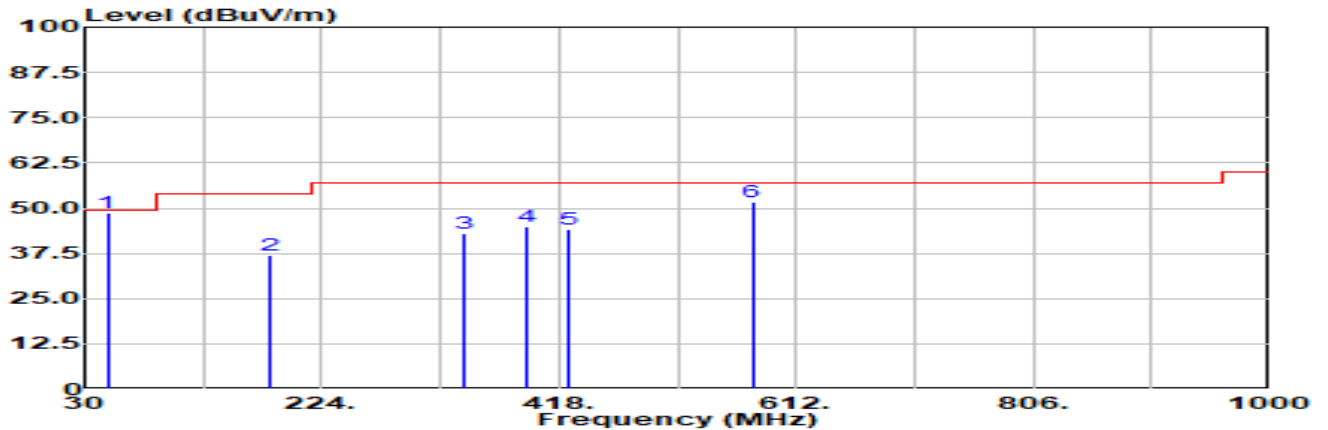
For class B, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter (Test Receiver) is 120kHz

4.5. Test Result

Model No	MAX-HD2-5GH-T	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2022-11-04
Test Mode	Mode 1	Engineer	Leto Chen
Polarity	Horizontal	Temperature (°C)	27
Test Condition	--	Humidity (%RH)	56

FCC CLASS-A



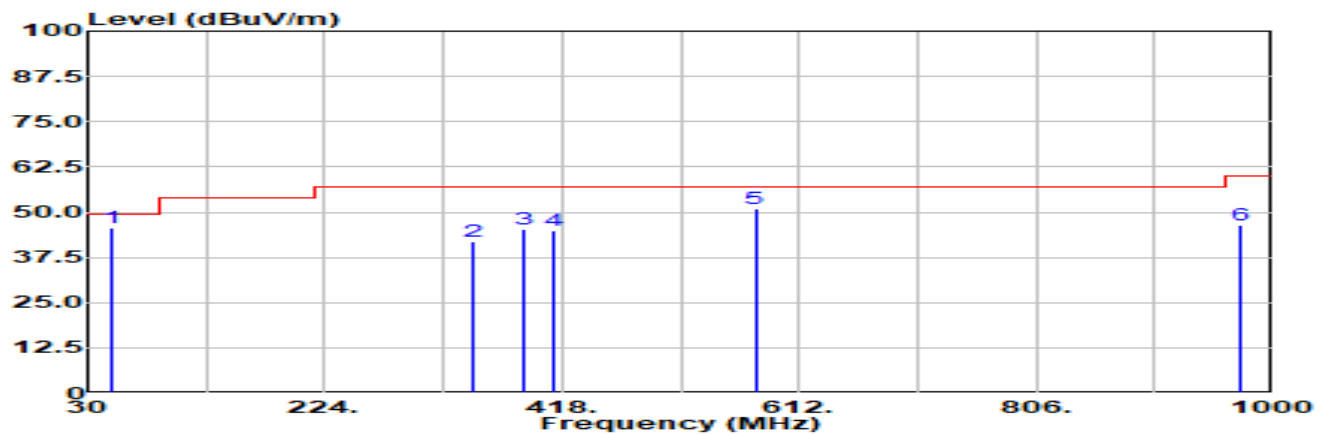
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	48.430	48.72	49.50	-0.78	72.35	-23.63	100	248	QP
2	182.290	36.87	54.00	-17.13	62.68	-25.81	100	224	QP
3	340.400	42.95	56.90	-13.95	65.08	-22.13	100	240	QP
4	391.810	44.86	56.90	-12.04	65.28	-20.42	100	235	QP
5	426.730	44.30	56.90	-12.60	63.85	-19.55	100	198	QP
6	576.110	51.83	56.90	-5.07	68.23	-16.40	100	216	QP

Remark:

- 1.Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
- 2.Margin=Emission Level - Limit.
- 3.The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	MAX-HD2-5GH-T	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2022-11-04
Test Mode	Mode 1	Engineer	Leto Chen
Polarity	Vertical	Temperature (°C)	27
Test Condition	--	Humidity (%RH)	56

FCC CLASS-A



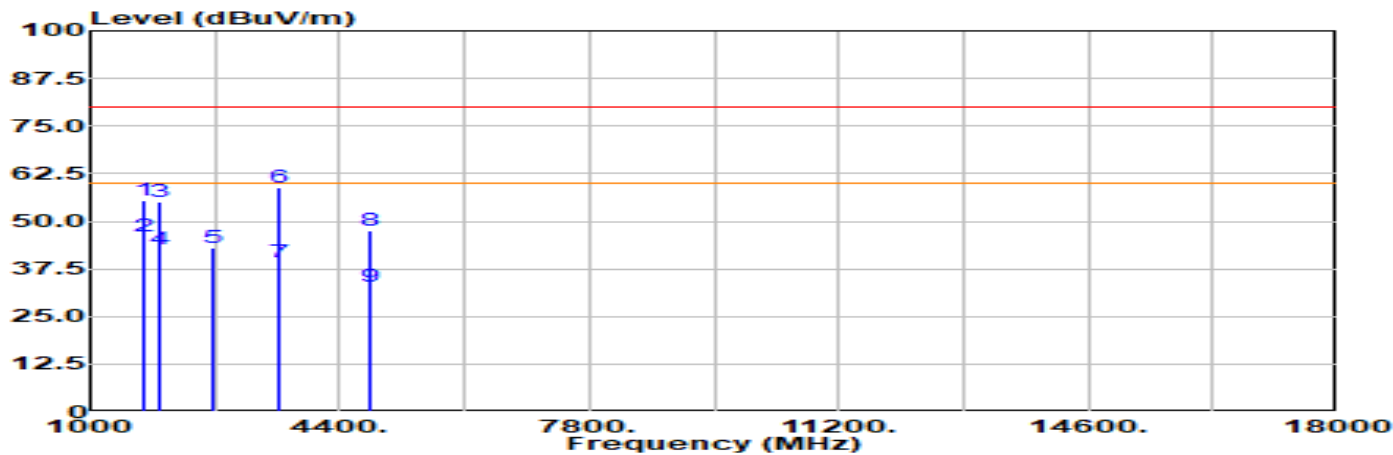
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	48.660	45.69	49.50	-3.81	69.30	-23.61	100	18	QP
2	346.220	42.06	56.90	-14.84	64.13	-22.07	100	29	QP
3	386.960	45.31	56.90	-11.59	65.85	-20.54	100	53	QP
4	412.180	44.96	56.90	-11.94	64.97	-20.01	100	47	QP
5	576.110	50.78	56.90	-6.12	67.18	-16.40	100	75	QP
6	973.810	46.59	60.00	-13.41	57.61	-11.02	100	45	QP

Remark:

- 1.Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
- 2.Margin=Emission Level - Limit.
- 3.The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.

Model No	MAX-HD2-5GH-T	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2022-11-02
Test Mode	Mode1	Engineer	Leto Chen
Polarity	Horizontal	Temperature (°C)	27
Test Condition	--	Humidity (%RH)	56

FCC, ICES-003 CLASS-A PK



No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	1720.000	55.56	80.00	-24.44	69.61	-14.05	100	52	Peak
2	1720.000	46.15	60.00	-13.85	60.20	-14.05	100	52	Average
3	1955.000	55.06	80.00	-24.94	67.73	-12.66	100	77	Peak
4	1955.000	42.64	60.00	-17.36	55.30	-12.66	100	77	Average
5	2665.000	42.94	60.00	-17.06	53.70	-10.76	100	36	Average
6	3570.000	58.68	80.00	-21.32	67.53	-8.85	100	14	Peak
7	3570.000	39.25	60.00	-20.75	48.10	-8.85	100	14	Average
8	4825.000	47.60	80.00	-32.40	52.89	-5.29	100	103	Peak
9	4825.000	32.71	60.00	-27.29	38.00	-5.29	100	103	Average

Remark:

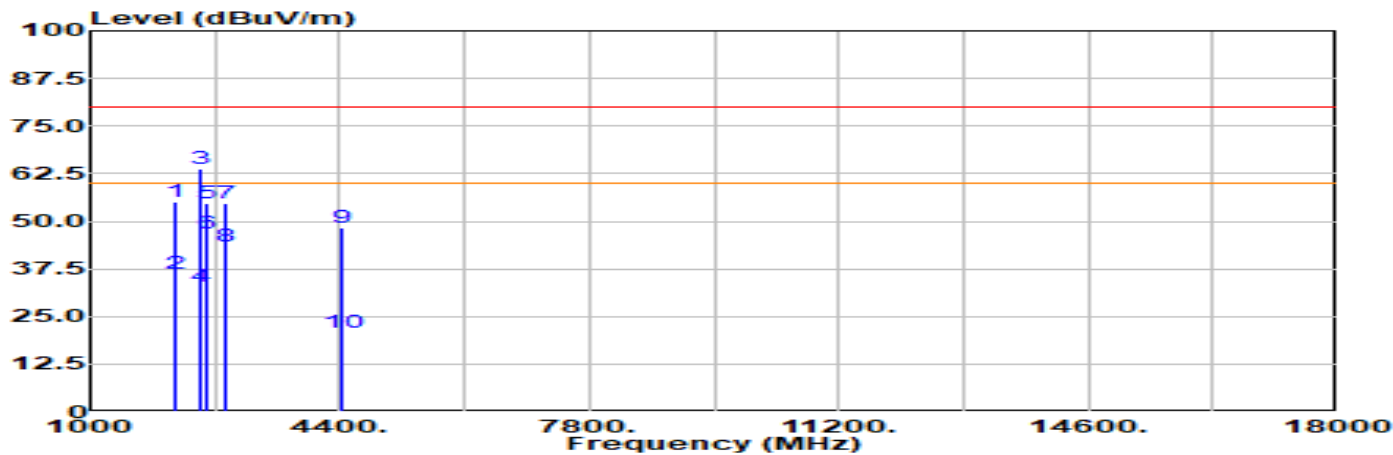
1.Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).

2.Margin=Emission Level - Limit.

3.The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBUV, its average is not measured separately.

Model No	MAX-HD2-5GH-T	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2022-11-02
Test Mode	Mode1	Engineer	Leto Chen
Polarity	Vertical	Temperature (°C)	27
Test Condition	--	Humidity (%RH)	56

FCC, ICES-003 CLASS-A PK



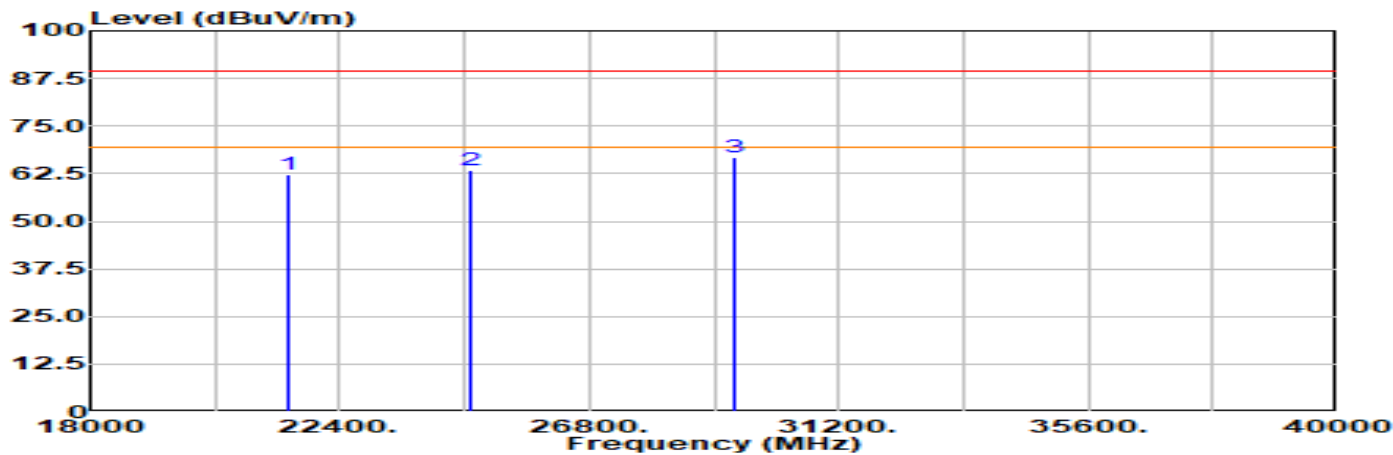
No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	2155.000	54.93	80.00	-25.07	67.12	-12.19	100	59	Peak
2	2155.000	36.19	60.00	-23.81	48.38	-12.19	100	59	Average
3	2480.000	63.82	80.00	-16.18	75.43	-11.61	100	283	Peak
4	2480.000	32.79	60.00	-27.21	44.40	-11.61	100	283	Average
5	2590.000	54.65	80.00	-25.35	66.04	-11.39	100	17	Peak
6	2590.000	46.67	60.00	-13.33	58.06	-11.39	100	17	Average
7	2830.000	54.82	80.00	-25.18	65.15	-10.33	100	16	Peak
8	2830.000	43.47	60.00	-16.53	53.80	-10.33	100	16	Average
9	4425.000	48.40	80.00	-31.60	55.04	-6.63	100	51	Peak
10	4425.000	20.57	60.00	-39.43	27.20	-6.63	100	51	Average

Remark:

- 1.Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
- 2.Margin=Emission Level - Limit.
- 3.The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBUV, its average is not measured separately.

Model No	MAX-HD2-5GH-T	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2022-11-08
Test Mode	Mode1	Engineer	Leto Chen
Polarity	Horizontal	Temperature (°C)	27
Test Condition	--	Humidity (%RH)	56

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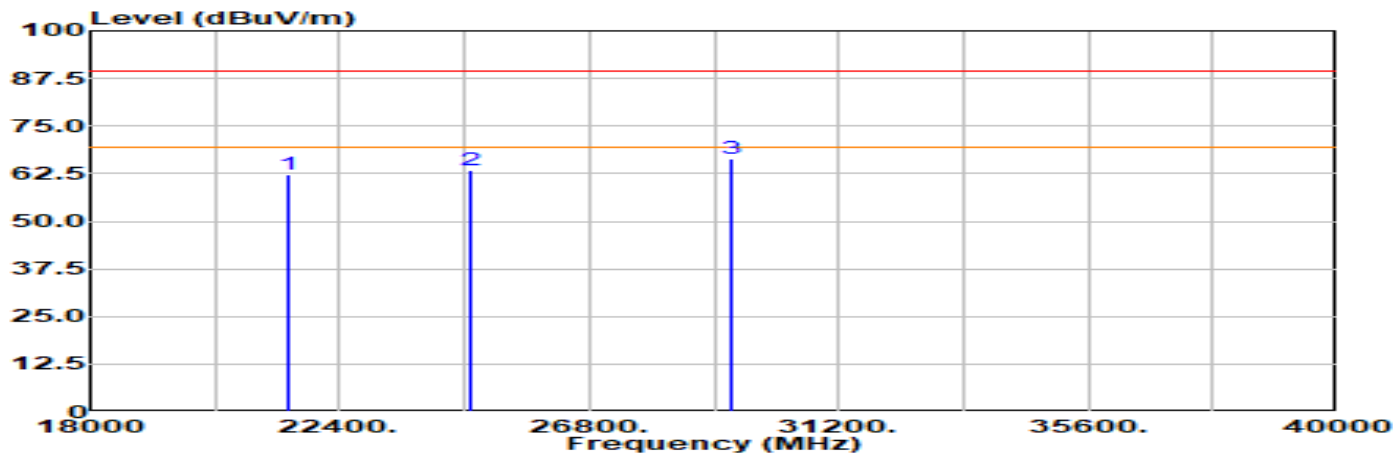
No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	21487.000	62.24	89.54	-27.30	51.40	10.84	100	64	Peak
2	24732.000	63.45	89.54	-26.09	50.06	13.38	100	57	Peak
3	29352.000	66.84	89.54	-22.70	50.98	15.86	100	211	Peak

Remark:

- 1.Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
- 2.Margin=Emission Level - Limit.
- 3.The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBUV, its average is not measured separately.

Model No	MAX-HD2-5GH-T	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2022-11-08
Test Mode	Mode1	Engineer	Leto Chen
Polarity	Vertical	Temperature (°C)	27
Test Condition	--	Humidity (%RH)	56

FCC, ICES-003 CLASS-A PK



No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	21487.000	62.24	89.54	-27.30	51.40	10.84	100	29	Peak
2	24732.000	63.45	89.54	-26.09	50.06	13.38	100	83	Peak
3	29319.000	66.31	89.54	-23.23	50.50	15.81	100	109	Peak

Remark:

- 1.Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
- 2.Margin=Emission Level - Limit.
- 3.The above 1 GHz test. When PEAK measures level less than AV limit by 20 dBuV, its average is not measured separately.