






Test report No: 22B1024R-0E3012110014-A

FCC TEST REPORT

Product Name	Peplink Pepwave Wireless Product
Trademark	
Model and /or type reference	AP Pro AX, APP-AX-IP67
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 (Adm. Specialist / Peggy Tu)	
Approved By (Director / Vincent Lin)	
Date of Receipt	2022/11/29
Date of Issue	2023/03/13
Report No.	22B1024R-0E3012110014-A
Report Version	V1.0

INDEX

Description	Page
1. General Information	5
1.1. EUT Description.....	5
1.2. Mode of Operation	6
1.3. Configuration & Details of Tested System.....	7
1.4. EUT Exercise Software.....	9
2. Technical Test	10
2.1. Summary of Test Result.....	10
2.2. List of Test Equipment	11
2.3. Measurement Uncertainty.....	12
2.4. Test Environment.....	13
3. Radiated Emission.....	14
3.1. Test Specification.....	14
3.2. Test Setup.....	14
3.3. Limit.....	15
3.4. Test Procedure	16
3.5. Test Result.....	17
3.6. Test Photograph	29

Product Photos: Please refer to the file: 22B1024R-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.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

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

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

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
22B1024R-0E3012110014-A	V1.0	Initial issue of report.	2023-03-13

1. General Information

1.1. EUT Description

Product Name	Peplink Pepwave Wireless Product
Trademark	 The logo for Peplink Pepwave, featuring the word "peplink" in a lowercase, bold, sans-serif font with three orange dots above the "i", followed by "PEPWAVE" in a larger, uppercase, bold, sans-serif font.
Model No.	AP Pro AX, APP-AX-IP67
EUT Max Frequency	5.8GHz
EUT Rated Voltage	DC 12V, 1.5A ; 802.3at PoE
EUT Test Voltage	DC 12V (by Power Adapter) ; 802.3at PoE

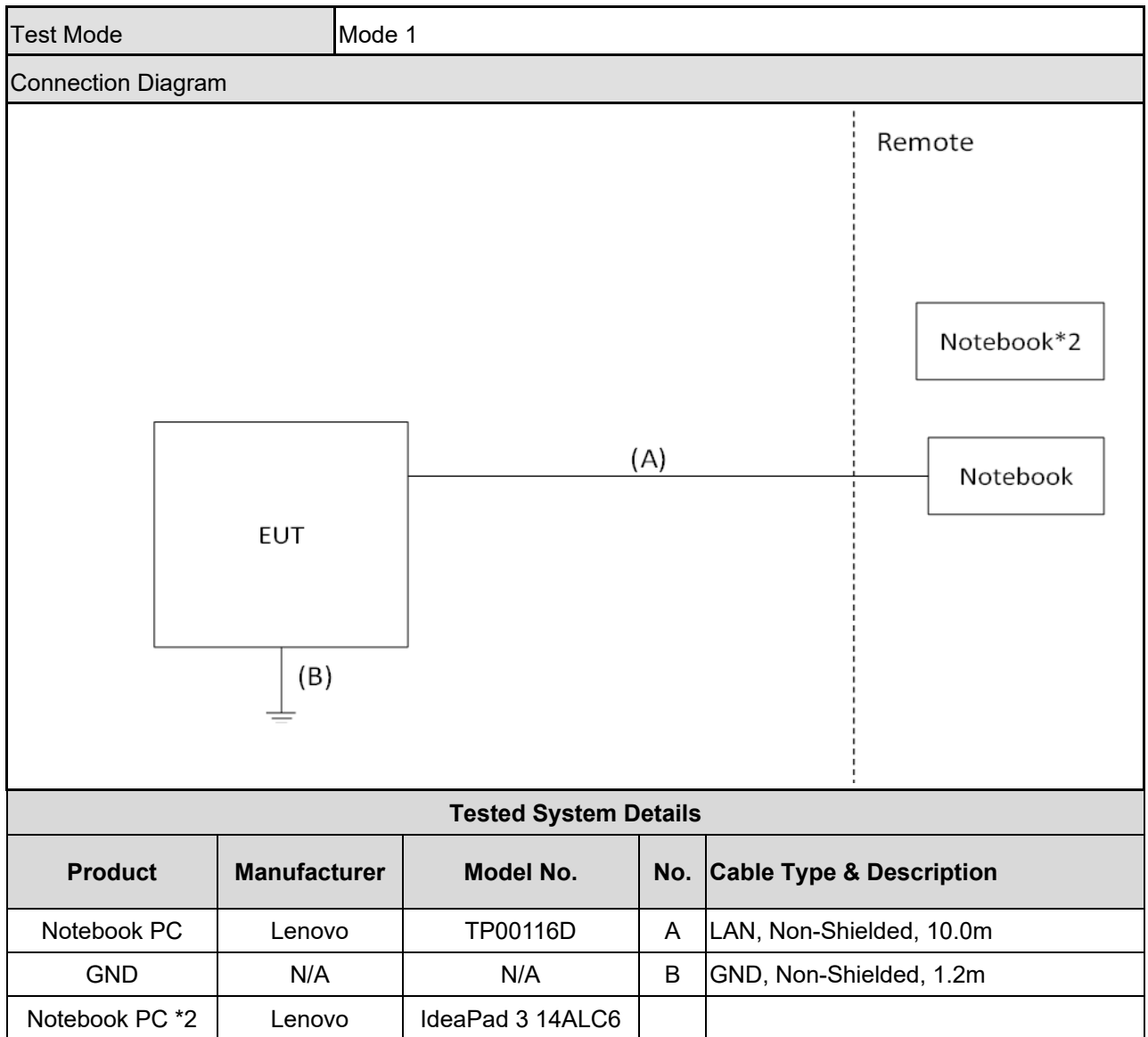
Note: The EUT is including two models for different marketing requirement.

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(LAN + WiFi 2.4G + WiFi 5G), DC 12V
Mode 2: Normal Operation(LAN + WiFi 2.4G + WiFi 5G), PoE
Final Test Mode
Emission
Mode 1: Normal Operation(LAN + WiFi 2.4G + WiFi 5G), DC 12V
Mode 2: Normal Operation(LAN + WiFi 2.4G + WiFi 5G), PoE

1.3. Configuration & Details of Tested System

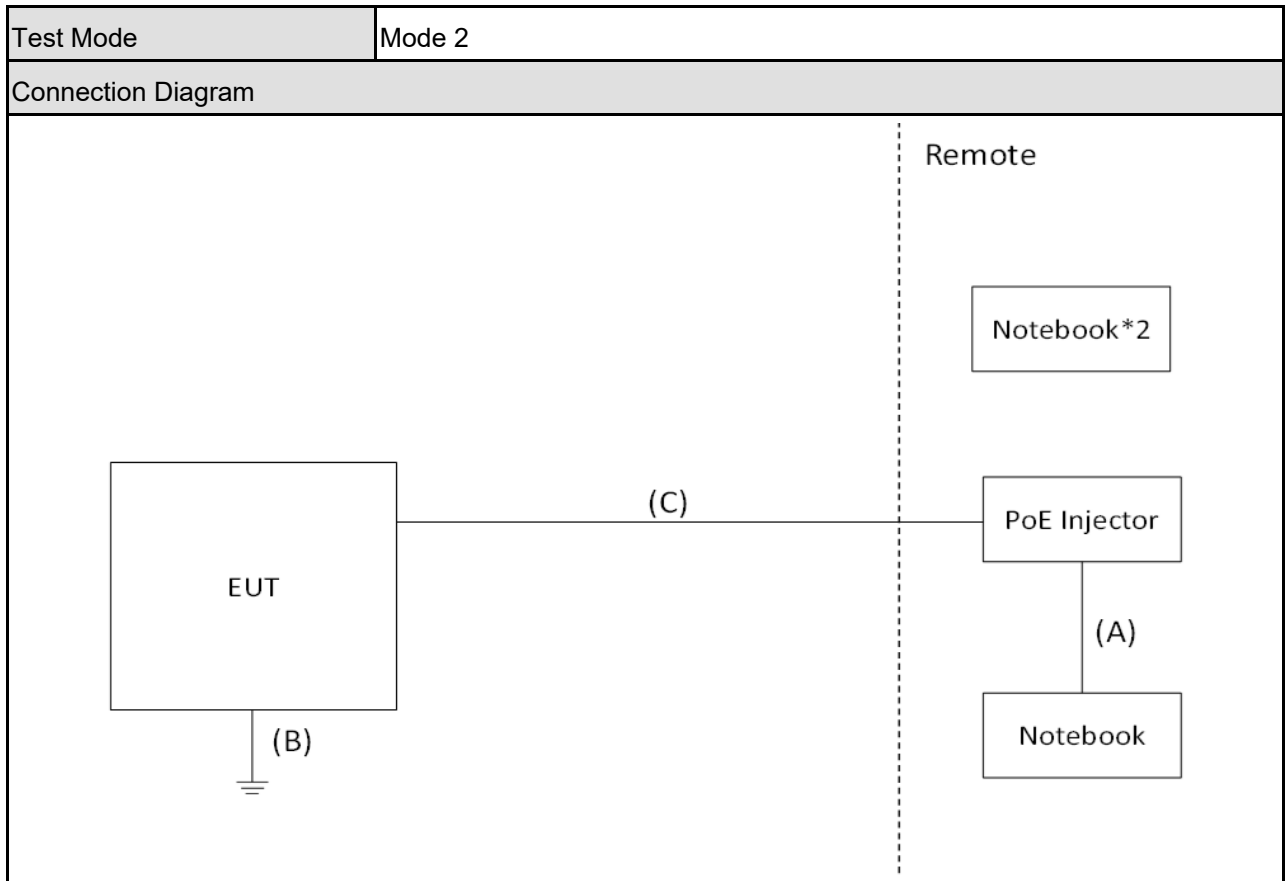


CBS: Cambridge SoundWorks

ME: Microphone & Earphone

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.



Tested System Details				
Product	Manufacturer	Model No.	No.	Cable Type & Description
Notebook PC	Lenovo	TP00116D	A	LAN, Non-Shielded, 1.0m
GND	N/A	N/A	B	GND, Non-Shielded, 1.2m
Notebook*2	Lenovo	IdeaPad 3 14ALC6		
PoE Injector	BILLION	BP035-560054QAX	C	LAN, Non-Shielded, 10.0m

CBS: Cambridge SoundWorks

ME: Microphone & Earphone

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.

1.4. EUT Exercise Software

1	EUT power on
2	Remote Notebook PC executed "ping" with EUT
3	Remote Notebook PC executed "ping" with EUT via Wi-Fi 2.4G
4	Remote Notebook PC executed "ping" with EUT via Wi-Fi 5G

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	No	--	N/A
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	LK-Site01 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	
HY: No.26, Huaya 1 st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C	

2.2. List of Test Equipment

Radiated Emission / LK-Site01 (Site1)

Instrument	Manufacturer	Type No.	Serial No	Cal. Date	Due. Date
Bilog Antenna	Schaffner	CBL6112B	2905	2023/2/13	2024/2/12
EMI Test Receiver	R&S	ESR3	102042	2022/6/14	2023/6/13
Coaxial Cable	SUHNER	RG 214	LC001A-RG	2022/6/8	2023/6/7
Coaxial Cable	SUHNER	RG 214	AC001-RG	2022/6/8	2023/6/7
Preamplifier	Jet-Power	JPA-10M1G33	170101000330008	2022/6/8	2023/6/7
NSA	DEKRA	N/A	N/A	2022/6/8	2023/6/7
Test Software version : DEKRA Test System V2.0					

Note: Test Receiver Detector: Quasipeak Bandwidth: 120kHz

Radiated Emission (Above 1GHz) / HY-CB05

Instrument	Manufacturer	Type No.	Serial No	Cal. Date	Due. Date
Double Ridged Guide Horn Antenna	RF SPIN	DRH18-E	210507A18ES	2022/6/8	2023/6/7
Horn Antenna	COM-POWER	AH-840	101088	2021/9/27	2023/9/26
EMI Test Receiver	R&S	ESR7	101602	2022/3/16	2023/3/15
Signal Analyzer	R&S	FSV40	101147	2022/4/28	2023/4/27
Coaxial Cable	ROSNOL	R-Test EW0630	HC003R	2022/6/18	2023/6/17
Coaxial Cable	ROSNOL	R-Test EW0630	HC005R	2022/6/18	2023/6/17
Coaxial Cable	ROSNOL	R-Test EW0630	HC002R	2022/6/18	2023/6/17
Preamplifier	SGH	SGH118-HS	20220411-2	2022/4/22	2023/4/21
Microwave Preamplifier with cable	SGH	SGH184	20220411-3	2022/4/25	2023/4/24
VSWR	DEKRA	N/A	N/A	2022/10/4	2023/10/3
Test Software version : E3 210616 Dekra, V9(C) Audix					

2.3. Measurement Uncertainty

Radiated Emission

The measurement uncertainty is evaluated as ± 5.11 dB.

Radiated Emission Above 1GHz

The measurement uncertainty is evaluated as ± 4.10 dB.

2.4. Test Environment

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

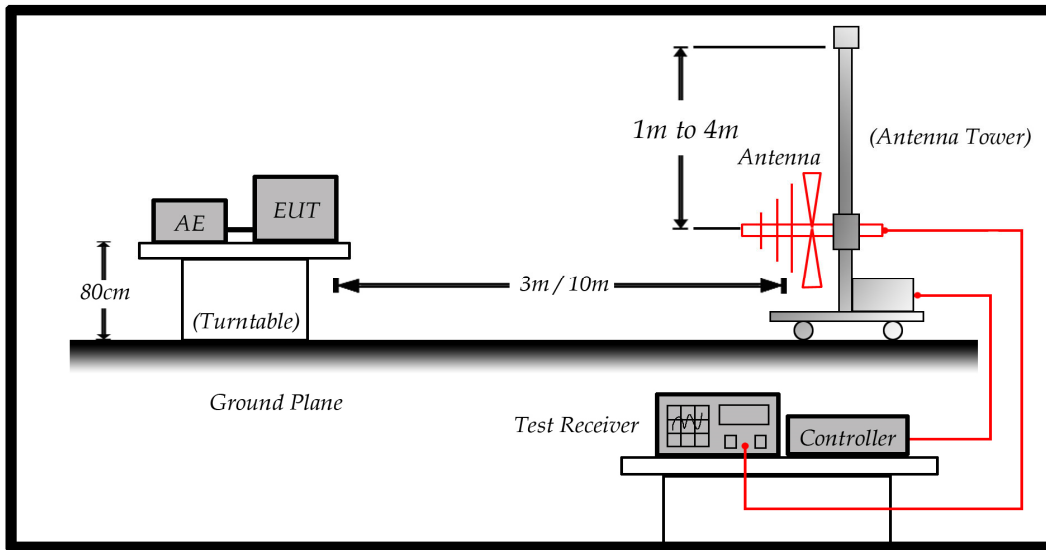
3. Radiated Emission

3.1. Test Specification

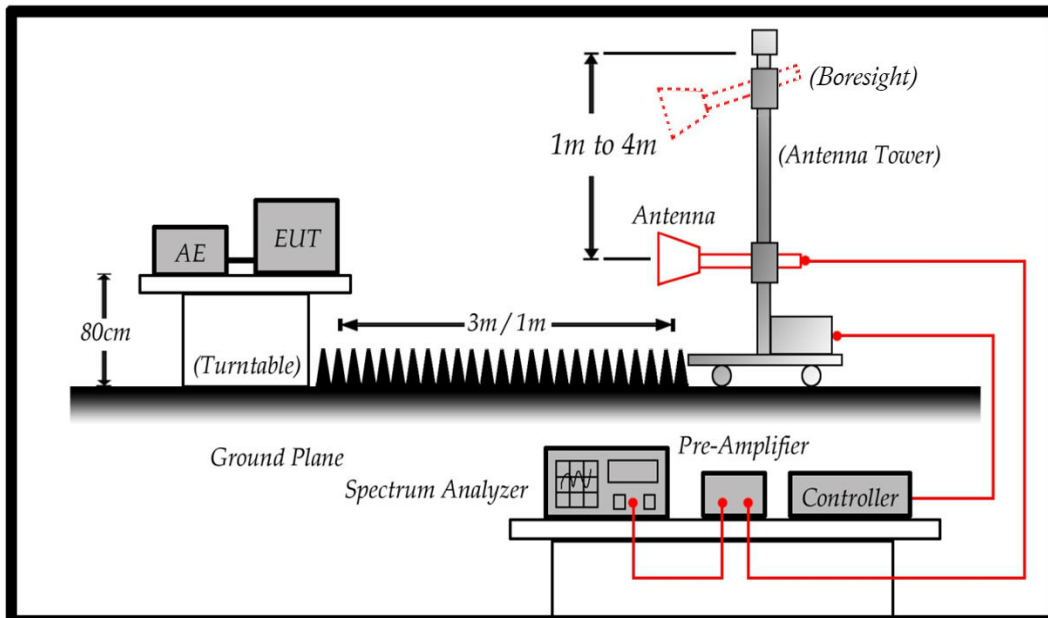
According to EMC Standard : FCC Part 15 Subpart B

3.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



3.3. Limit

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. $RF\ Voltage\ (dBuV/m) = 20\ \log\ RF\ Voltage\ (\mu V/m)$

3.4. 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.

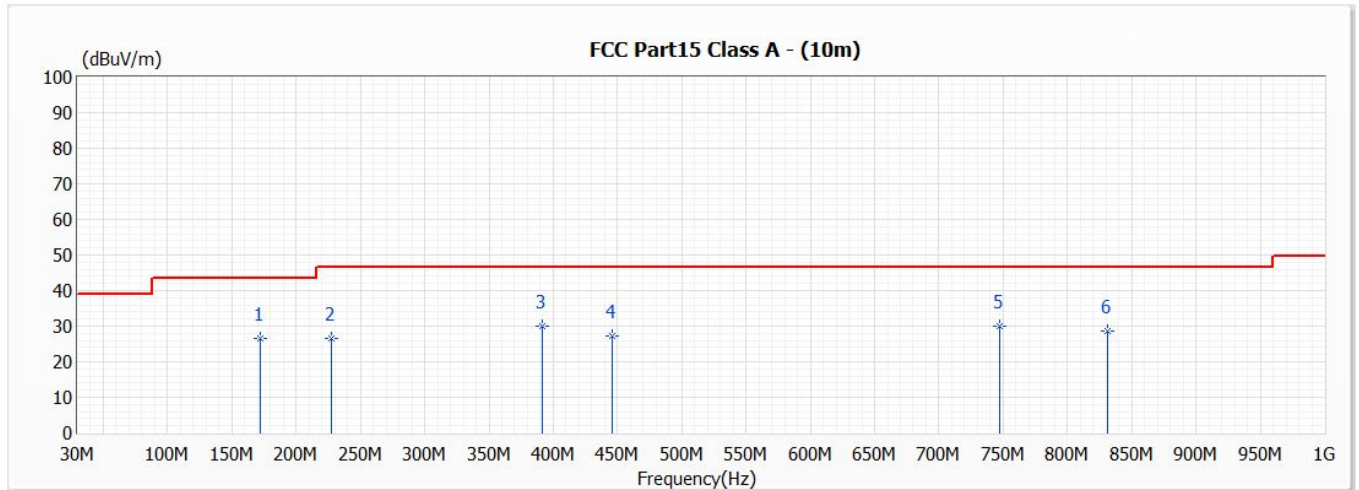
For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

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 120 kHz and above 1GHz is 1MHz.

3.5. Test Result

Model No	AP Pro AX	Site	SITE1
Test Voltage	DC 12V	Test Date	2023/3/3
Test Mode	Mode 1	Engineer	Ronaldo Chien
Polarity	Horizontal	Temperature (°C)	22.9
Test Condition	--	Humidity (%RH)	45

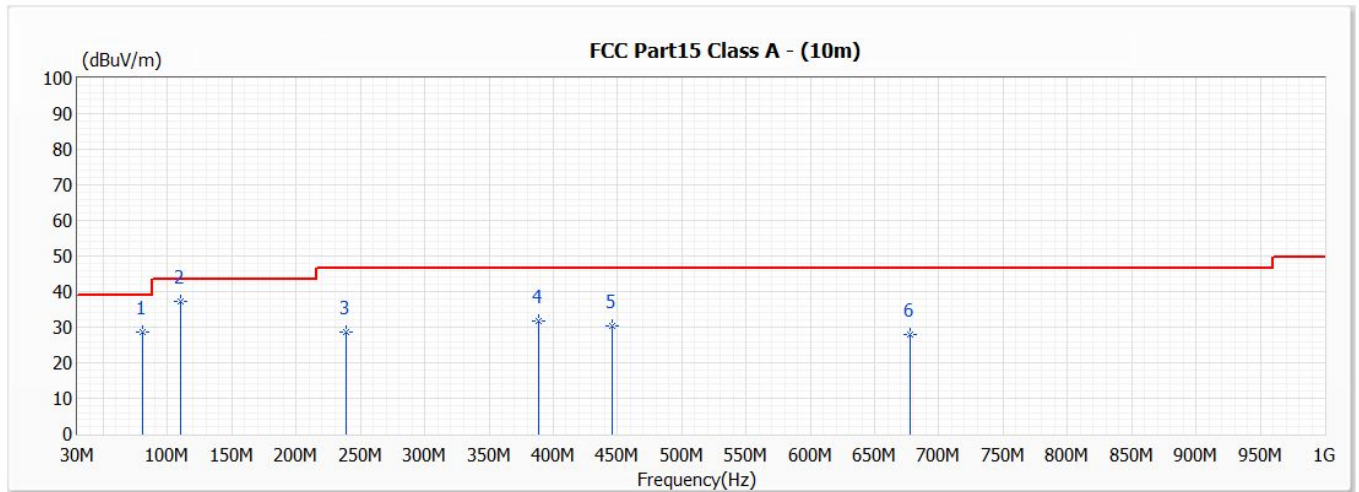


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	172.000	26.46	43.50	-17.04	40.50	-14.04	370	53	QP
2	227.120	26.43	46.40	-19.97	39.60	-13.17	370	-123	QP
3	391.530	29.94	46.40	-16.46	36.20	-6.26	300	172	QP
4	445.500	27.37	46.40	-19.03	32.10	-4.73	200	81	QP
* 5	746.890	30.15	46.40	-16.25	29.30	0.85	100	108	QP
6	831.110	28.54	46.40	-17.86	26.50	2.04	100	-158	QP

Remark:

1. "*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level – Limit.

Model No	AP Pro AX	Site	SITE1
Test Voltage	DC 12V	Test Date	2023/3/3
Test Mode	Mode 1	Engineer	Ronaldo Chien
Polarity	Vertical	Temperature (°C)	22.9
Test Condition	--	Humidity (%RH)	45

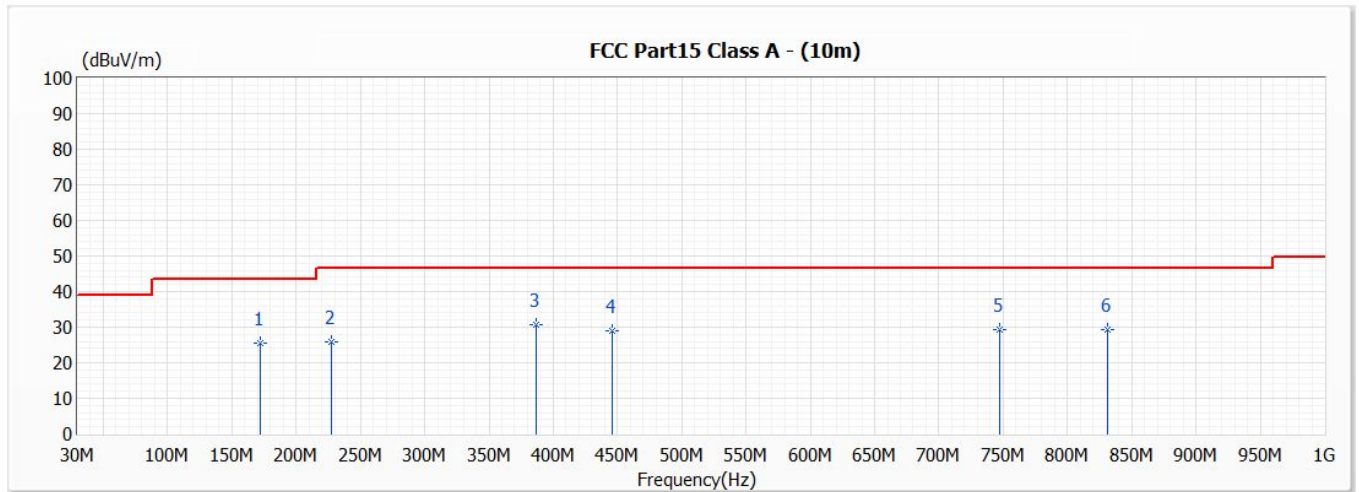


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	80.140	28.59	39.00	-10.41	45.90	-17.31	100	-49	QP
* 2	109.880	37.18	43.50	-6.32	49.40	-12.22	100	3	QP
3	239.000	28.45	46.40	-17.95	40.20	-11.75	100	53	QP
4	388.640	31.80	46.40	-14.60	38.20	-6.40	100	162	QP
5	445.500	30.27	46.40	-16.13	35.00	-4.73	300	-180	QP
6	678.000	27.81	46.40	-18.59	28.10	-0.29	250	33	QP

Remark:

1. "*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level – Limit.

Model No	AP Pro AX	Site	SITE1
Test Voltage	PoE	Test Date	2023/3/3
Test Mode	Mode 2	Engineer	Ronaldo Chien
Polarity	Horizontal	Temperature (°C)	22.9
Test Condition	--	Humidity (%RH)	45

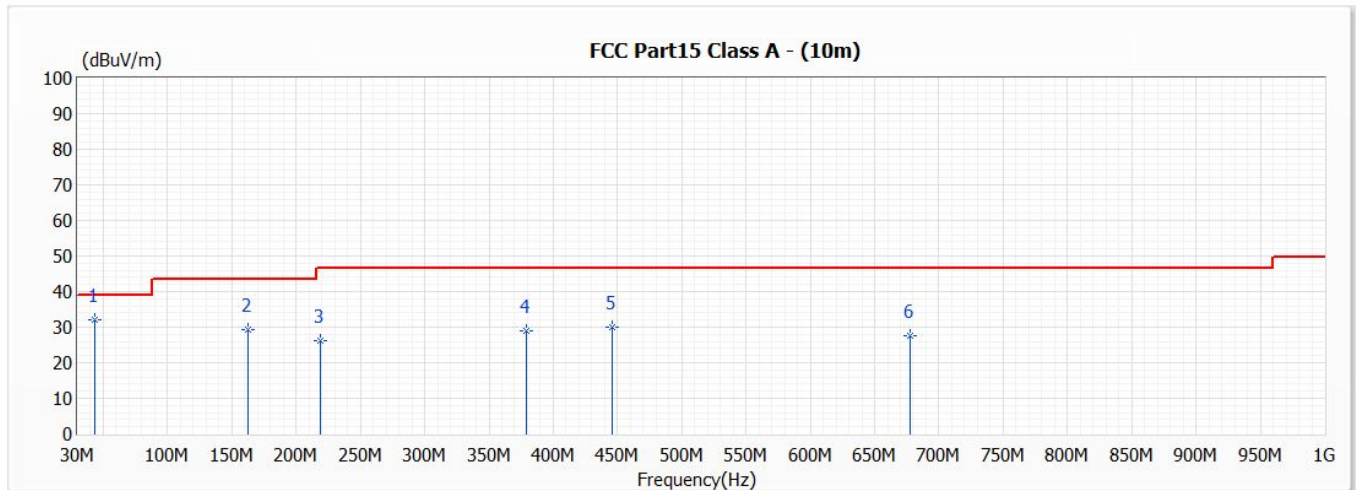


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	172.000	25.46	43.50	-18.04	39.50	-14.04	370	43	QP
2	227.320	25.75	46.40	-20.65	38.90	-13.15	370	-135	QP
* 3	387.190	30.53	46.40	-15.87	37.00	-6.47	300	156	QP
4	445.500	28.87	46.40	-17.53	33.60	-4.73	200	99	QP
5	746.890	29.45	46.40	-16.95	28.60	0.85	100	115	QP
6	831.100	29.14	46.40	-17.26	27.10	2.04	100	-168	QP

Remark:

1. "*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level – Limit.

Model No	AP Pro AX	Site	SITE1
Test Voltage	PoE	Test Date	2023/3/3
Test Mode	Mode 2	Engineer	Ronaldo Chien
Polarity	Vertical	Temperature (°C)	22.9
Test Condition	--	Humidity (%RH)	45



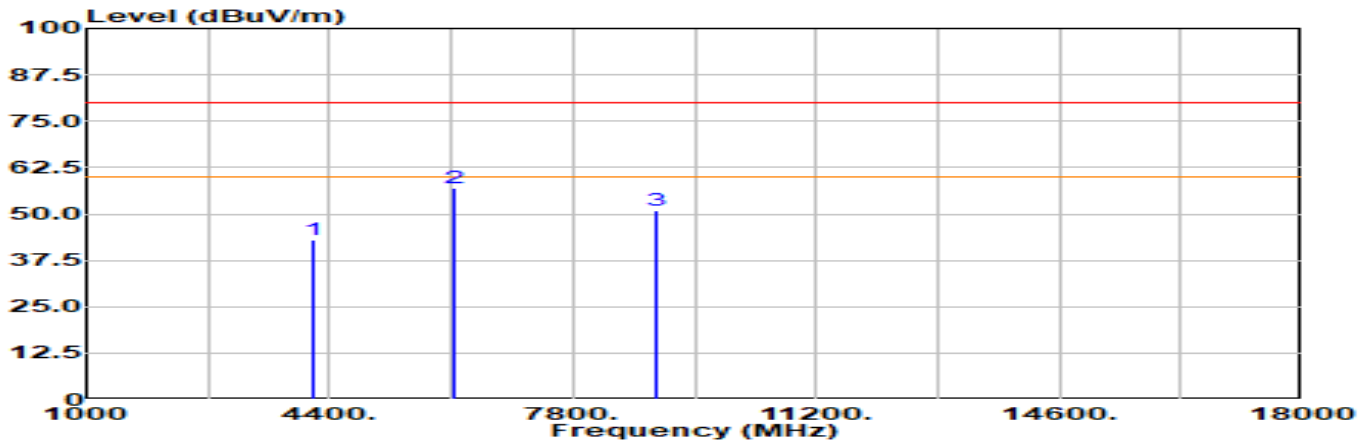
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
* 1	43.260	32.10	39.00	-6.90	45.20	-13.10	100	90	QP
2	162.300	29.22	43.50	-14.28	43.20	-13.98	100	166	QP
3	219.030	26.19	46.40	-20.21	40.20	-14.01	100	-145	QP
4	379.090	28.97	46.40	-17.43	35.80	-6.83	100	66	QP
5	445.500	29.87	46.40	-16.53	34.60	-4.73	300	-167	QP
6	678.000	27.51	46.40	-18.89	27.80	-0.29	250	45	QP

Remark:

1. "*" means this data is the worst emission level; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin= Emission Level – Limit.

Model No	AP Pro AX	Site	HY-CB05
Test Voltage	DC12V	Test Date	2023-03-01
Test Mode	Mode 1	Engineer	Nat Cheng
Polarity	Horizontal	Temperature (°C)	19
Test Condition	--	Humidity (%RH)	64

FCC CLASS-A PK



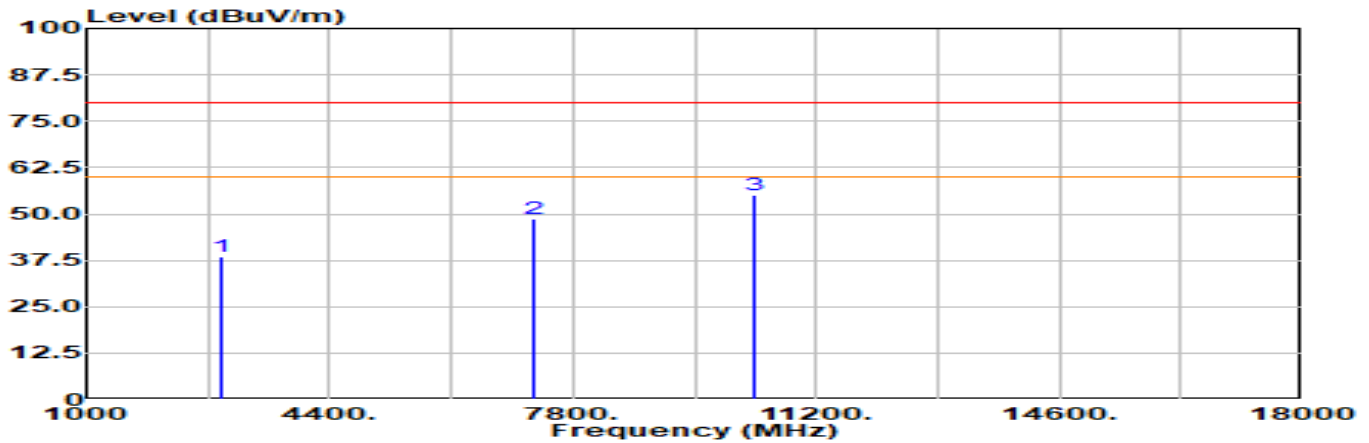
No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	4150.000	42.88	80.00	-37.12	47.51	-4.63	100	355	Peak
2	6156.522	57.13	80.00	-22.87	58.88	-1.75	100	2	Peak
3	8973.913	50.89	80.00	-29.11	49.11	1.78	100	358	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	AP Pro AX	Site	HY-CB05
Test Voltage	DC12V	Test Date	2023-03-01
Test Mode	Mode 1	Engineer	Nat Cheng
Polarity	Vertical	Temperature (°C)	19
Test Condition	--	Humidity (%RH)	64

FCC CLASS-A PK



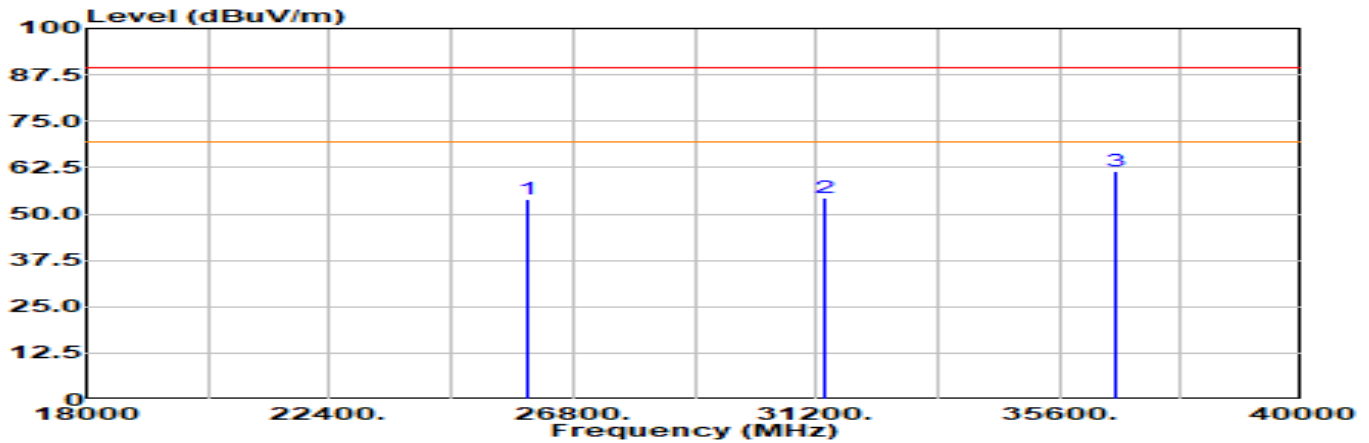
No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	2880.000	38.54	80.00	-41.46	44.51	-5.97	100	351	Peak
2	7234.783	48.49	80.00	-31.51	49.10	-0.61	100	360	Peak
3	10330.430	54.93	80.00	-25.07	51.17	3.77	100	241	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	AP Pro AX	Site	HY-CB05
Test Voltage	DC12V	Test Date	2023-02-24
Test Mode	Mode 1	Engineer	Nat Cheng
Polarity	Horizontal	Temperature (°C)	19
Test Condition	--	Humidity (%RH)	64

FCC CLASS-A PK



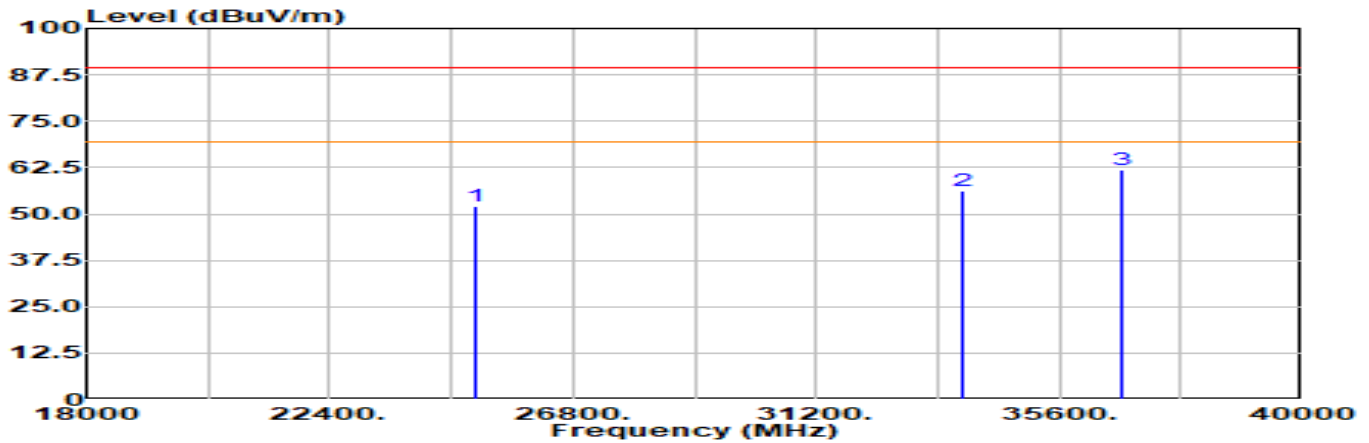
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	26000.000	53.94	89.54	-35.60	38.43	15.51	100	348	Peak
2	31339.130	54.52	89.54	-35.02	38.64	15.88	100	31	Peak
3	36608.700	61.45	89.54	-28.09	40.81	20.65	100	334	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	AP Pro AX	Site	HY-CB05
Test Voltage	DC12V	Test Date	2023-02-24
Test Mode	Mode 1	Engineer	Nat Cheng
Polarity	Vertical	Temperature (°C)	19
Test Condition	--	Humidity (%RH)	64

FCC CLASS-A PK



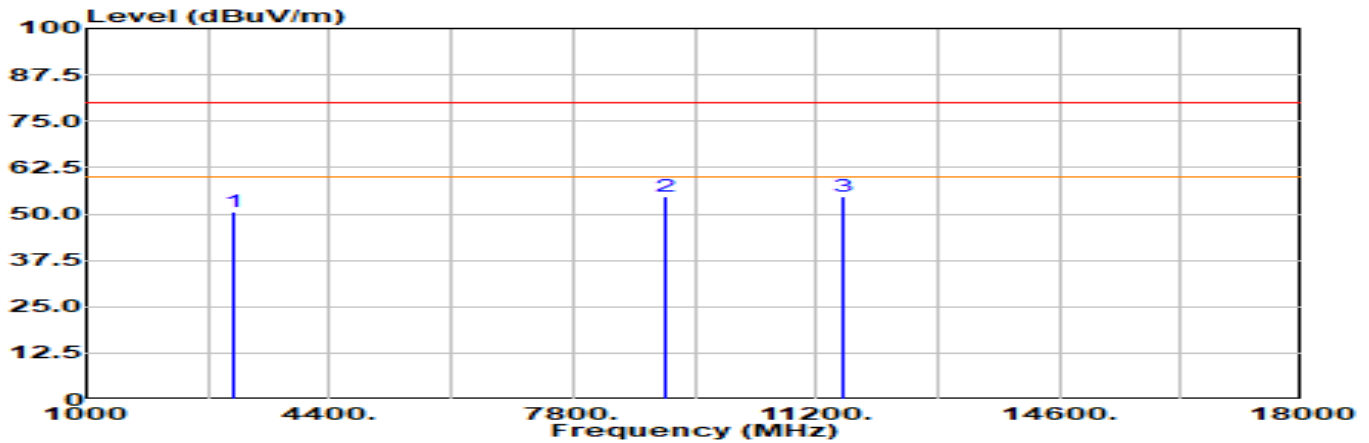
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	25034.780	52.08	89.54	-37.46	38.52	13.56	100	34	Peak
2	33826.090	56.35	89.54	-33.19	39.21	17.15	100	358	Peak
3	36707.250	62.06	89.54	-27.48	41.43	20.63	100	14	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	AP Pro AX	Site	HY-CB05
Test Voltage	PoE	Test Date	2023-03-01
Test Mode	Mode 2	Engineer	Nat Cheng
Polarity	Horizontal	Temperature (°C)	19
Test Condition	--	Humidity (%RH)	64

FCC CLASS-A PK



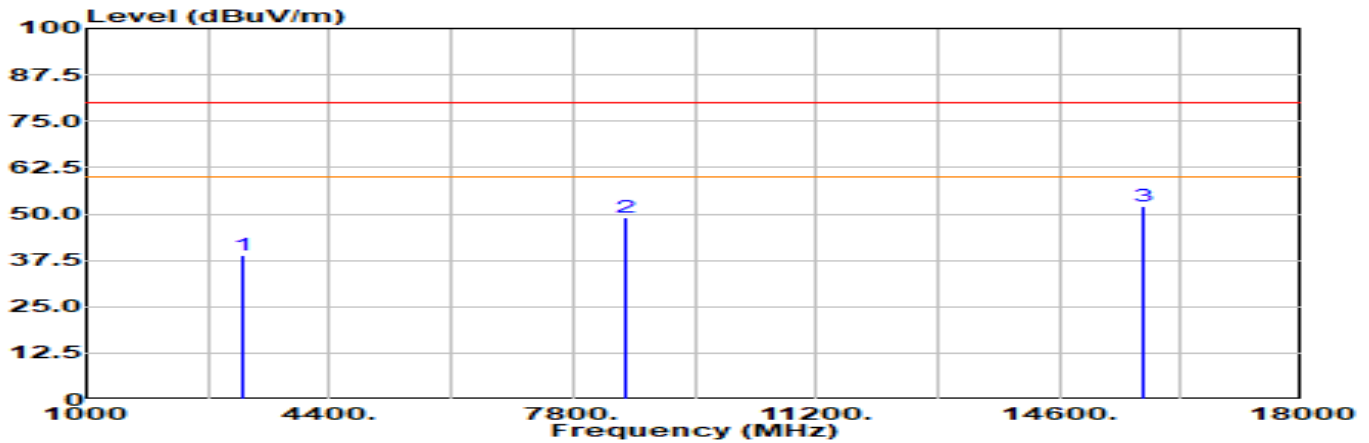
No	Frequency (MHz)	Emission Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Reading Level (dBUV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	3060.000	50.71	80.00	-29.29	56.18	-5.47	100	357	Peak
2	9113.044	54.59	80.00	-25.41	52.69	1.90	100	7	Peak
3	11565.220	54.89	80.00	-25.11	49.28	5.61	100	3	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	AP Pro AX	Site	HY-CB05
Test Voltage	PoE	Test Date	2023-03-01
Test Mode	Mode 2	Engineer	Nat Cheng
Polarity	Vertical	Temperature (°C)	19
Test Condition	--	Humidity (%RH)	64

FCC CLASS-A PK



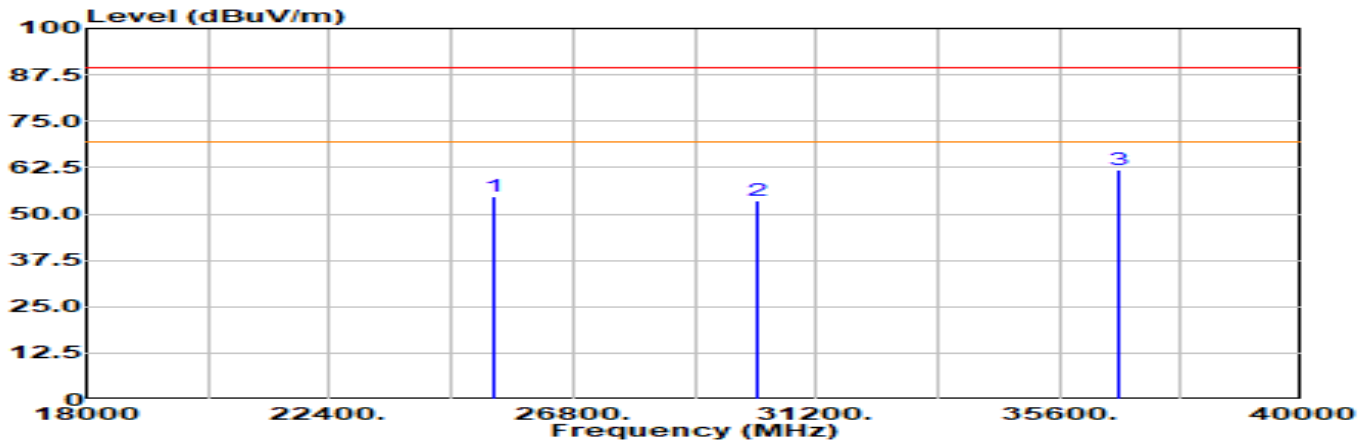
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	3180.000	38.99	80.00	-41.01	44.25	-5.26	100	344	Peak
2	8539.131	49.00	80.00	-31.00	48.46	0.53	100	356	Peak
3	15765.220	52.12	80.00	-27.88	43.74	8.38	100	352	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	AP Pro AX	Site	HY-CB05
Test Voltage	PoE	Test Date	2023-02-24
Test Mode	Mode 2	Engineer	Nat Cheng
Polarity	Horizontal	Temperature (°C)	19
Test Condition	--	Humidity (%RH)	64

FCC 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	25365.220	54.64	89.54	-34.90	40.47	14.16	100	2	Peak
2	30113.040	53.67	89.54	-35.87	38.29	15.37	100	34	Peak
3	36684.060	62.03	89.54	-27.51	41.39	20.63	100	24	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	AP Pro AX	Site	HY-CB05
Test Voltage	PoE	Test Date	2023-02-24
Test Mode	Mode 2	Engineer	Nat Cheng
Polarity	Vertical	Temperature (°C)	19
Test Condition	--	Humidity (%RH)	64

FCC 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	26017.390	52.88	89.54	-36.66	37.41	15.47	100	151	Peak
2	34086.960	56.63	89.54	-32.91	39.22	17.41	100	15	Peak
3	36684.060	62.59	89.54	-26.95	41.96	20.63	100	31	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.