MEASUREMENT REPORT

FCC Part 15B

Applicant:	Belden Hirschmann Industries (Suzhou) Ltd.
Address:	333 Yanhu Road, Huaqiao Town, Kunshan City, Jiangsu Province, P. R. China
Product:	HIT Dragonfly Access Point
Model No.:	DAP620-RW, DAP620-ME, DAP620-US, DAP620-JP
Brand Name:	HIRSCHMANN IT
FCC Rule Part(s):	FCC Part 15 Subpart B: 2020 Class B
Test Procedure(s):	ANSI C63.4: 2014
Result:	Complies
Test Date:	December 04, 2020

Reviewed By: Jame Yuan

Approved By: Robin Wu

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

The test results relate only to the samples tested.
This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2014. Test results reported herein relate only to the item(s) tested.
The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2201RSU007-U1	Rev. 01	Initial Report	03-22-2022	Valid

Note: This is a copy report based on MRT original report (report No.: 2008RSU054-U1). It changed the information of the applicant and the product. The hardware and software of the product are the same.
DAP620-RW corresponds to the model of test mode 3&4 in the original report. Only a slight change in appearance, which has no impact on the test results.

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1. General Information

1.1. Applicant

Belden Hirschmann Industries (Suzhou) Ltd.

333 Yanhu Road, Huaqiao Town, Kunshan City, Jiangsu Province, P. R. China

1.2. Manufacturer

Belden Hirschmann Industries (Suzhou) Ltd.

333 Yanhu Road, Huaqiao Town, Kunshan City, Jiangsu Province, P. R. China

1.3. Testing Facility

☒	**Test Site – MRT Suzhou Laboratory**				
	Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China **Laboratory Location (Suzhou - SIP)** 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China				
	Laboratory Accreditations				
	A2LA: 3628.01		CNAS: L10551		
	FCC: CN1166		ISED: CN0001		
	VCCI:	☐R-20025	☐G-20034	☐C-20020	☐T-20020
		☐R-20141	☐G-20134	☐C-20103	☐T-20104
☐	**Test Site – MRT Shenzhen Laboratory**				
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China				
	Laboratory Accreditations				
	A2LA: 3628.02		CNAS: L10551		
	FCC: CN1284		ISED: CN0105		
☐	**Test Site – MRT Taiwan Laboratory**				
	Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)				
	Laboratory Accreditations				
	TAF: L3261-190725				
	FCC: 291082, TW3261		ISED: TW3261		

2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name	HIT Dragonfly Access Point
Model No.	DAP620-RW, DAP620-ME, DAP620-US, DAP620-JP
Brand Name	HIRSCHMANN IT
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Operating Temperature	0 ~ 50 °C
Power Type	PoE input or AC adapter input (100 - 240VAC ~ 50/60Hz, 1.0A Output Power: 48VDC/0.66A)
Operating Environment	Indoor Use

Remark:

1. AC Power Adapter and PoE Injector are not sold with the product.
2. Different models are only market requirements, all hardware and software are consistent.
3. The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.

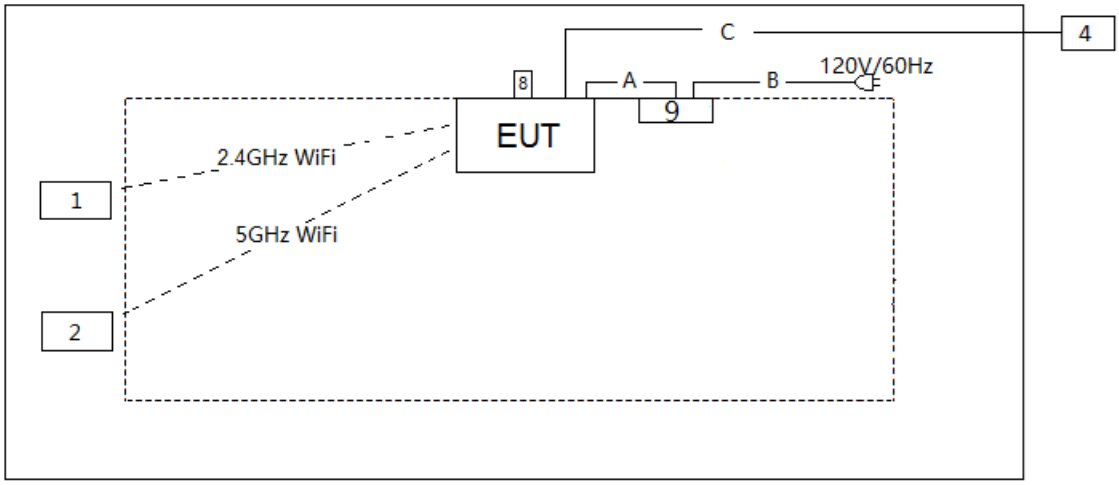
2.2. Test Mode

Test Mode
Mode 1: Power by AC Adapter & Communicate with Notebook by LAN Cable and Wi-Fi & Communicate with mobile phone by Wi-Fi &USB Copy via command.
Mode 2: Power by PoE & Communicate with Notebook by LAN Cable and Wi-Fi & Communicate with mobile phone by Wi-Fi & USB Copy via command.

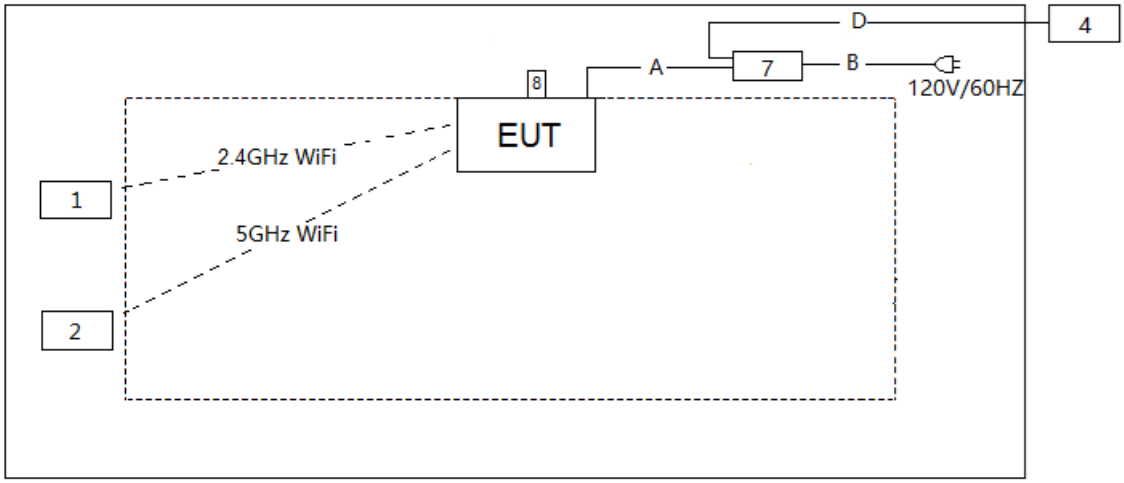
2.3. Configuration of Tested System

This device was tested per the guidance ANSI C63.4:2014 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.

Connection Diagram (Mode 1)



Connection Diagram (Mode 2)



Cable Type		Cable Description
A	Power Cable	Non-Shielding, 1.5m
B	Power Cable	Non-Shielding, 1.5m
C	LAN Cable	Non-Shielding, >10m
D	LAN Cable	Non-Shielding, >10m

2.4. Test System Details

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

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	Lenovo	E430c	MP-4CFX213/10	Non-Shielded, 1.8m
2	iPhone	Apple	ML7E2CH/A	C6KR9BR2GRY	N/A
4	Notebook	ASUS	PRO45V	N/A	Non-Shielded, 1.8m
7	PoE	Microsemi	PD-9001-25GR/AT/AC	C19456582000002321	Non-Shielded, 1.8m
8	USB Dongle	SanDisk	BL161025264V	N/A	N/A
9	AC Adapter	DELTA	ADP-30HR B	1WMD05S00T5	Non-Shielded, 1.8m

2.5. Test Procedure

1	Setup the EUT and simulators as shown on above.
2	Mode 1: Power by AC Adapter & Communicate with Notebook by LAN Cable and Wi-Fi & Communicate with mobile phone by Wi-Fi &USB Copy via command. Mode 2: Power by PoE & Communicate with Notebook by LAN Cable and Wi-Fi & Communicate with mobile phone by Wi-Fi & USB Copy via command.
3	Begin to test.

2.6. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

3. TEST EQUIPMENT CALIBRATION DATE

Conducted Emission - SIP-SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06613	1 year	2021/07/02
Two-Line V-Network	R&S	ENV216	MRTSUE06003	1 year	2021/06/11
Four-Line V-Network	R&S	ENV432	MRTSUE06614	1 year	2021/11/10
Impedance Stabilization Network	R&S	ENY81	MRTSUE06608	1 year	2021/08/26
Impedance Stabilization Network	R&S	ENY81-CA6	MRTSUE06609	1 year	2021/08/26
V-Network	R&S	ESH3-Z6	MRTSUE06187	1 year	2021/04/14
V-Network	R&S	ESH3-Z6	MRTSUE06188	1 year	2021/04/14
RF Current Probe	R&S	EZ-17	MRTSUE06190	1 year	2021/04/14
Thermal Hygrometer	testo	608-H1	MRTSUE06621	1 year	2020/12/29

Radiated Emission - SIP-AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06612	1 year	2021/07/02
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06559	1 year	2021/07/23
Bilog Period Antenna	Schwarzbeck	VULB9168	MRTSUE06645	1 year	2021/12/08
Double Ridged Horn Antenna	R&S	HF907	MRTSUE06610	1 year	2021/08/30
Preamplifier	EMCI	EMC051845SE	MRTSUE06600	1 year	2021/11/12
Thermal Hygrometer	testo	608-H1	MRTSUE06620	1 year	2020/12/29
Anechoic Chamber	RIKEN	SIP-AC1	MRTSUE06554	1 year	2020/12/25

Radiated Emission - SIP-AC3

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06612	1 year	2021/07/02
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06559	1 year	2021/07/23
Bilog Period Antenna	Schwarzbeck	VULB9168	MRTSUE06647	1 year	2021/08/30
Double Ridged Horn Antenna	R&S	HF907	MRTSUE06611	1 year	2021/09/13
Preamplifier	EMCI	EMC012645SE	MRTSUE06642	1 year	2021/01/16
Thermal Hygrometer	testo	608-H1	MRTSUE06622	1 year	2020/12/29
Anechoic Chamber	RIKEN	SIP-AC3	MRTSUE06782	1 year	2020/12/25

Software	Version	Function
EMI Software	V3	EMI Test Software

4. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Conducted Emission Measurement
The maximum measurement uncertainty is evaluated as: 9kHz~150kHz: 3.74dB 150kHz~30MHz: 3.44dB
Radiated Emission Measurement
The maximum measurement uncertainty is evaluated as: Horizontal: 30MHz~300MHz: 5.04dB 300MHz~1GHz: 4.95dB 1GHz~6GHz: 6.40dB Vertical: 30MHz~300MHz: 5.24dB 300MHz~1GHz: 6.03dB 1GHz~40GHz: 6.40dB

5. TEST RESULT

5.1. Summary

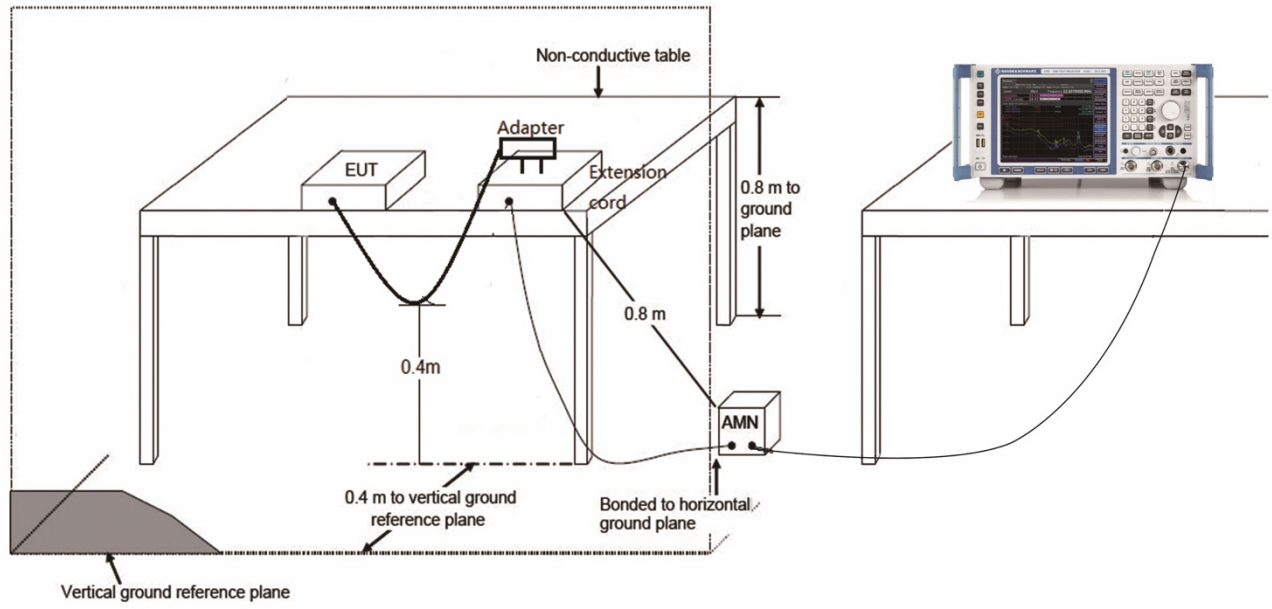
FCC Part Section(s)	Test Description	Test Result
15.107	Conducted Emissions	Pass
15.109	Radiated Emissions	Pass

5.2. Conducted Emission Measurement

5.2.1.Test Limit

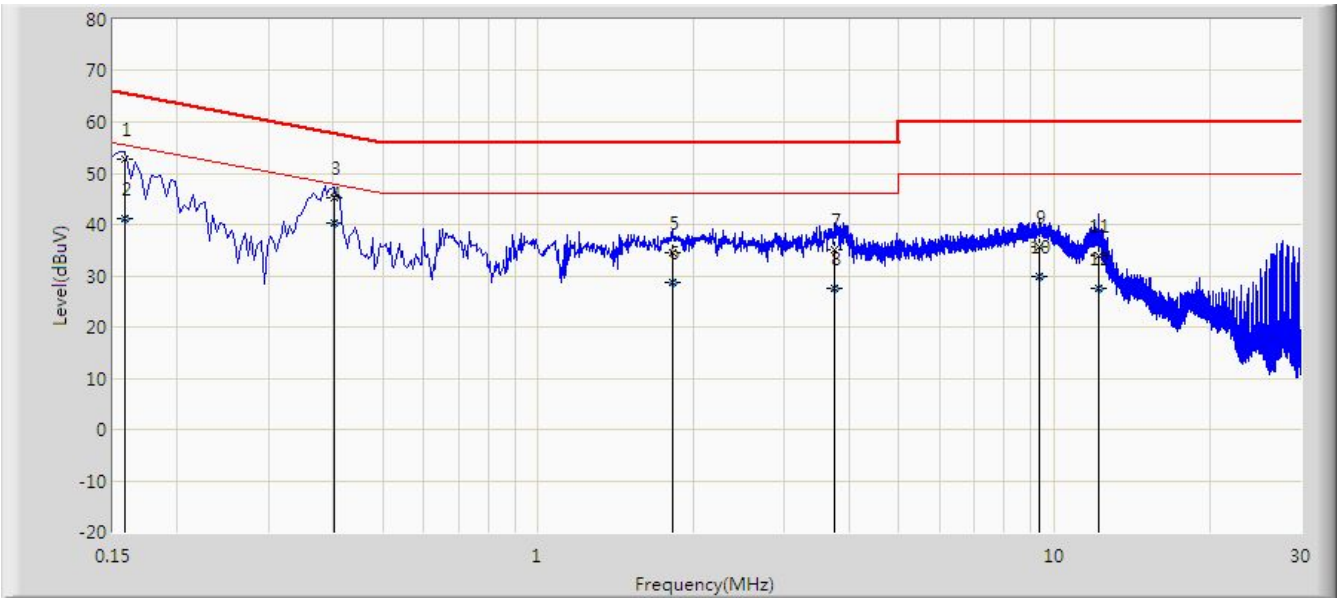
FCC Part 15.107 Limit		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
0.15 ~ 0.50	66 ~ 56	56 ~ 46
0.50 ~ 5.0	56	46
5.0 ~ 30	60	50
Note 1: The lower limit shall apply at the transition frequencies. Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.		

5.2.2.Test Setup



5.2.3.Test Result of Conducted Emissions

Site: SIP-SR2	Time: 2020/12/04
Limit: FCC_Part15.107_CE_AC Power _ Class B	Engineer: Kyrie Xie
Probe: ENV216_101684_Filter On	Polarity: Line
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Test Mode 1	

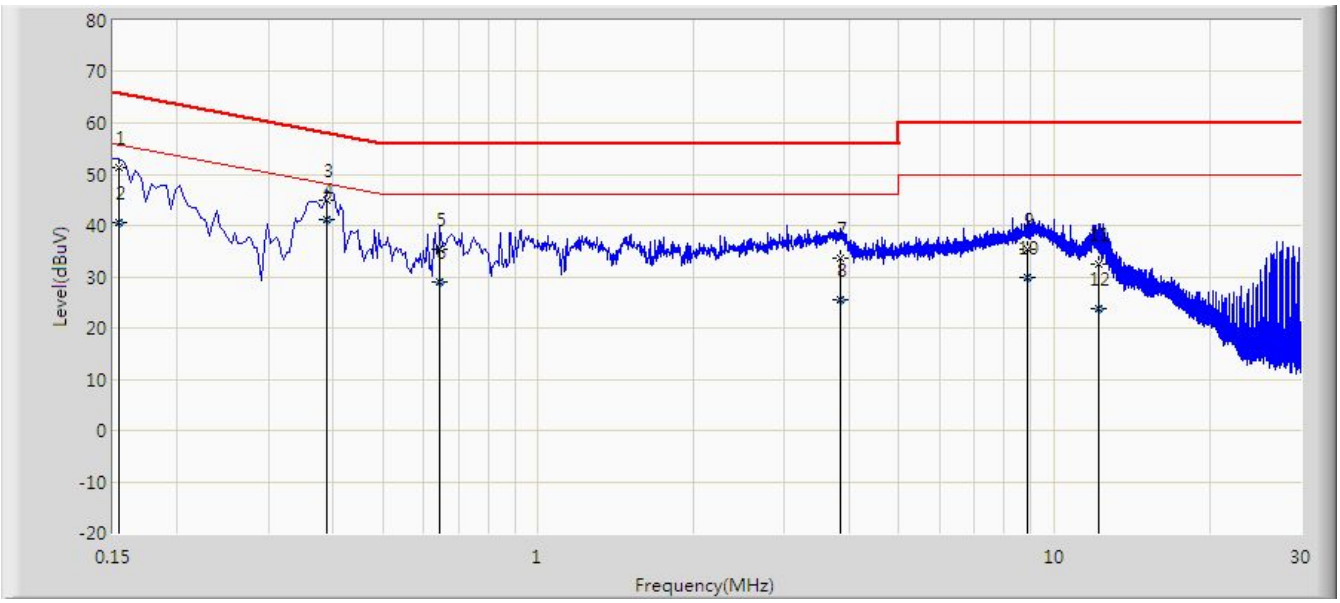


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.158	52.675	42.394	-12.893	65.568	10.282	QP
2			0.158	41.217	30.936	-14.351	55.568	10.282	AV
3			0.402	45.217	35.117	-12.595	57.812	10.101	QP
4		*	0.402	40.323	30.223	-7.489	47.812	10.101	AV
5			1.818	34.422	24.485	-21.578	56.000	9.937	QP
6			1.818	28.630	18.693	-17.370	46.000	9.937	AV
7			3.758	35.148	25.263	-20.852	56.000	9.885	QP
8			3.758	27.650	17.764	-18.350	46.000	9.885	AV
9			9.366	35.707	25.770	-24.293	60.000	9.937	QP
10			9.366	29.984	20.048	-20.016	50.000	9.937	AV
11			12.190	33.959	23.971	-26.041	60.000	9.988	QP
12			12.190	27.402	17.414	-22.598	50.000	9.988	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: SIP-SR2	Time: 2020/12/04
Limit: FCC_Part15.107_CE_AC Power _ Class B	Engineer: Kyrie Xie
Probe: ENV216_101684_Filter On	Polarity: Neutral
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Test Mode 1	

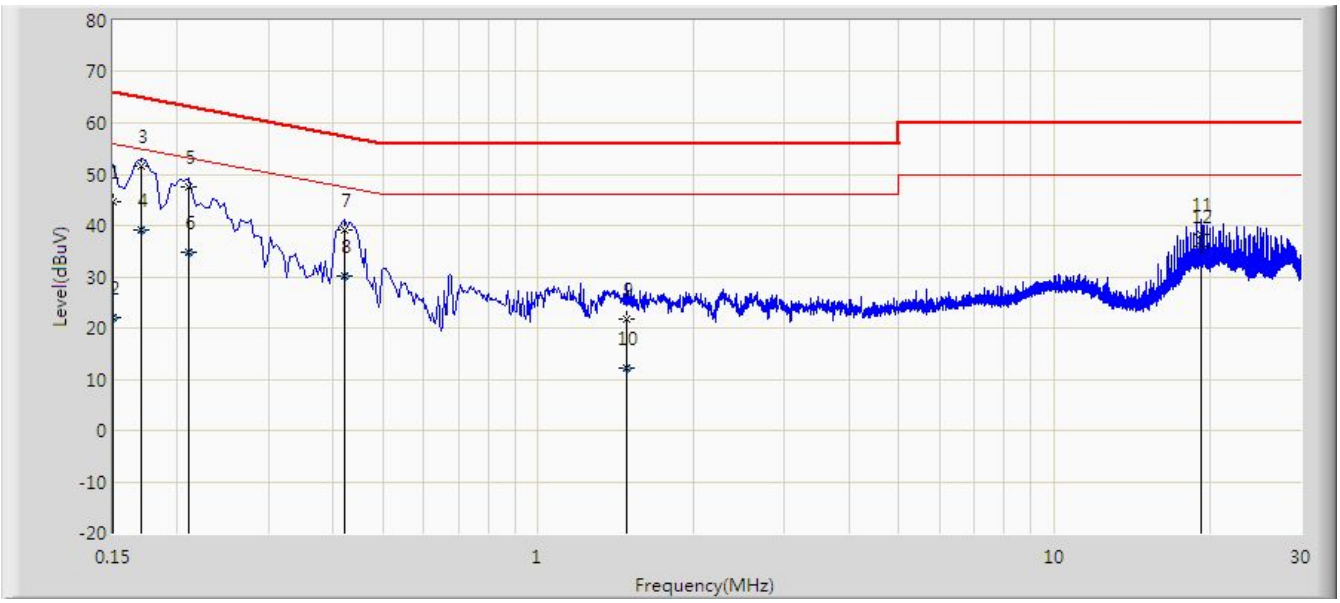


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	51.397	40.678	-14.384	65.781	10.720	QP
2			0.154	40.604	29.884	-15.178	55.781	10.720	AV
3			0.390	45.017	34.900	-13.046	58.064	10.118	QP
4		*	0.390	41.017	30.900	-7.046	48.064	10.118	AV
5			0.646	35.439	25.303	-20.561	56.000	10.136	QP
6			0.646	29.027	18.891	-16.973	46.000	10.136	AV
7			3.842	33.589	23.682	-22.411	56.000	9.907	QP
8			3.842	25.576	15.669	-20.424	46.000	9.907	AV
9			8.862	35.452	25.498	-24.548	60.000	9.954	QP
10			8.862	29.822	19.867	-20.178	50.000	9.954	AV
11			12.226	32.536	22.527	-27.464	60.000	10.009	QP
12			12.226	23.783	13.774	-26.217	50.000	10.009	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: SIP-SR2	Time: 2020/12/04
Limit: FCC_Part15.107_CE_AC Power _ Class B	Engineer: Kyrie Xie
Probe: ENV216_101684_Filter On	Polarity: Line
EUT: HIT Dragonfly Access Point	Power: By PoE
Test Mode 2	

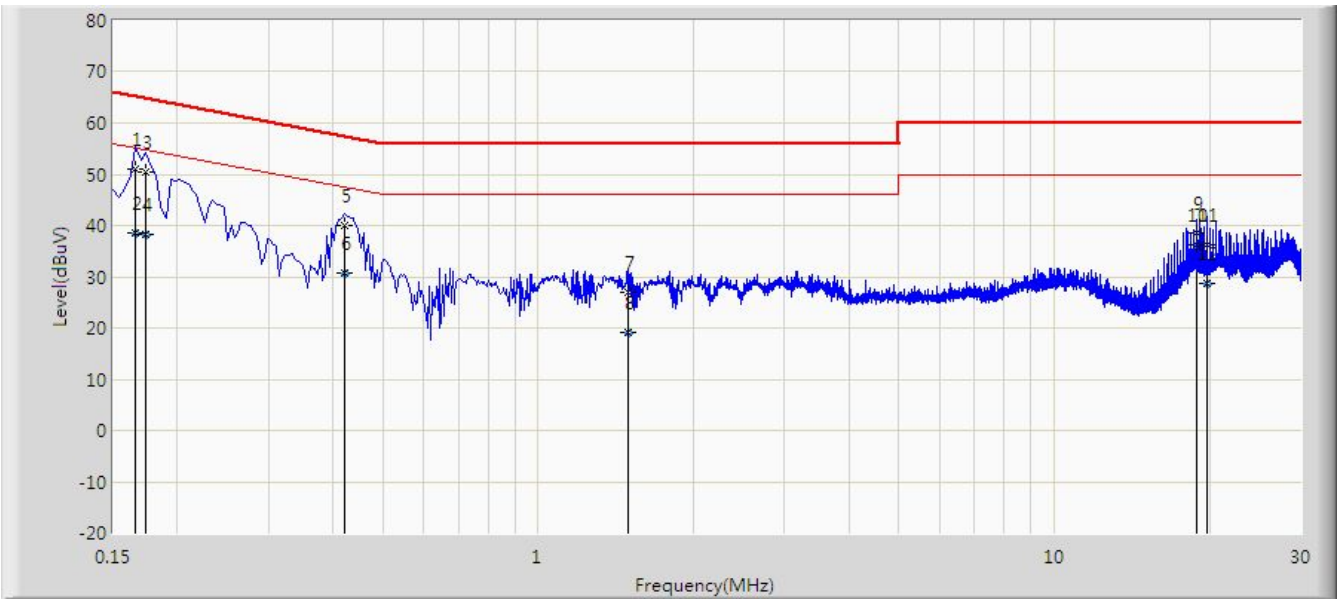


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	44.730	33.605	-21.270	66.000	11.126	QP
2			0.150	21.904	10.778	-34.096	56.000	11.126	AV
3		*	0.170	51.584	41.530	-13.376	64.960	10.054	QP
4			0.170	39.001	28.947	-15.959	54.960	10.054	AV
5			0.210	47.533	37.575	-15.672	63.205	9.959	QP
6			0.210	34.846	24.887	-18.360	53.205	9.959	AV
7			0.422	39.020	28.908	-18.389	57.409	10.112	QP
8			0.422	30.220	20.108	-17.189	47.409	10.112	AV
9			1.482	21.835	11.892	-34.165	56.000	9.942	QP
10			1.482	12.046	2.104	-33.954	46.000	9.942	AV
11			19.310	38.148	28.079	-21.852	60.000	10.069	QP
12			19.310	35.926	25.857	-14.074	50.000	10.069	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: SIP-SR2	Time: 2020/12/04
Limit: FCC_Part15.107_CE_AC Power _ Class B	Engineer: Kyrie Xie
Probe: ENV216_101684_Filter On	Polarity: Neutral
EUT: HIT Dragonfly Access Point	Power: By PoE
Test Mode 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.166	50.917	40.843	-14.241	65.158	10.073	QP
2			0.166	38.472	28.398	-16.686	55.158	10.073	AV
3			0.174	50.325	40.267	-14.443	64.767	10.058	QP
4			0.174	38.132	28.074	-16.636	54.767	10.058	AV
5			0.422	39.960	29.823	-17.449	57.409	10.137	QP
6			0.422	30.797	20.660	-16.611	47.409	10.137	AV
7			1.490	26.888	16.932	-29.112	56.000	9.956	QP
8			1.490	19.255	9.298	-26.745	46.000	9.956	AV
9			18.814	38.554	28.439	-21.446	60.000	10.114	QP
10		*	18.814	36.265	26.150	-13.735	50.000	10.114	AV
11			19.806	36.198	26.068	-23.802	60.000	10.130	QP
12			19.806	28.767	18.638	-21.233	50.000	10.130	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

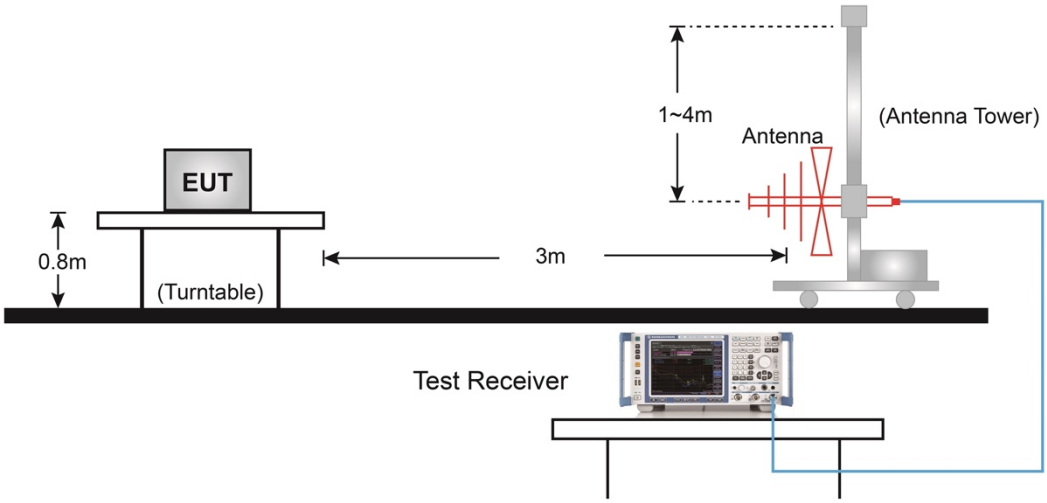
5.3. Radiated Emission Measurement

5.3.1.Test Limit

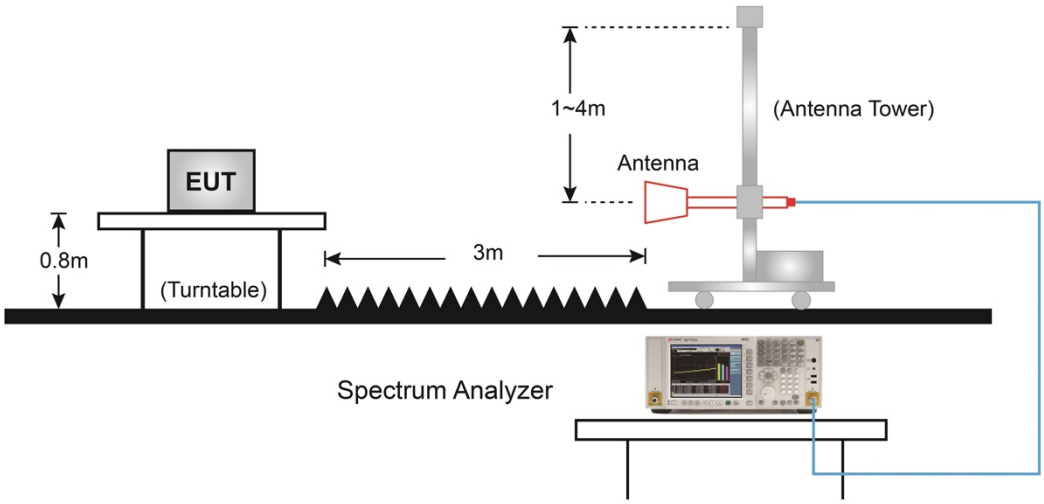
FCC Part 15.109 Limit		
Frequency (MHz)	Distance (m)	Level (dBμV/m)
30 - 88	3	40
88 - 216	3	43.5
216 - 960	3	46
Above 960	3	54
Note 1: The lower limit shall apply at the transition frequency. Note 2: Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system. Note 3: E field strength (dBμV/m) = 20 log E field strength (uV/m)		

5.3.2.Test Setup

Below 1GHz Test Setup:

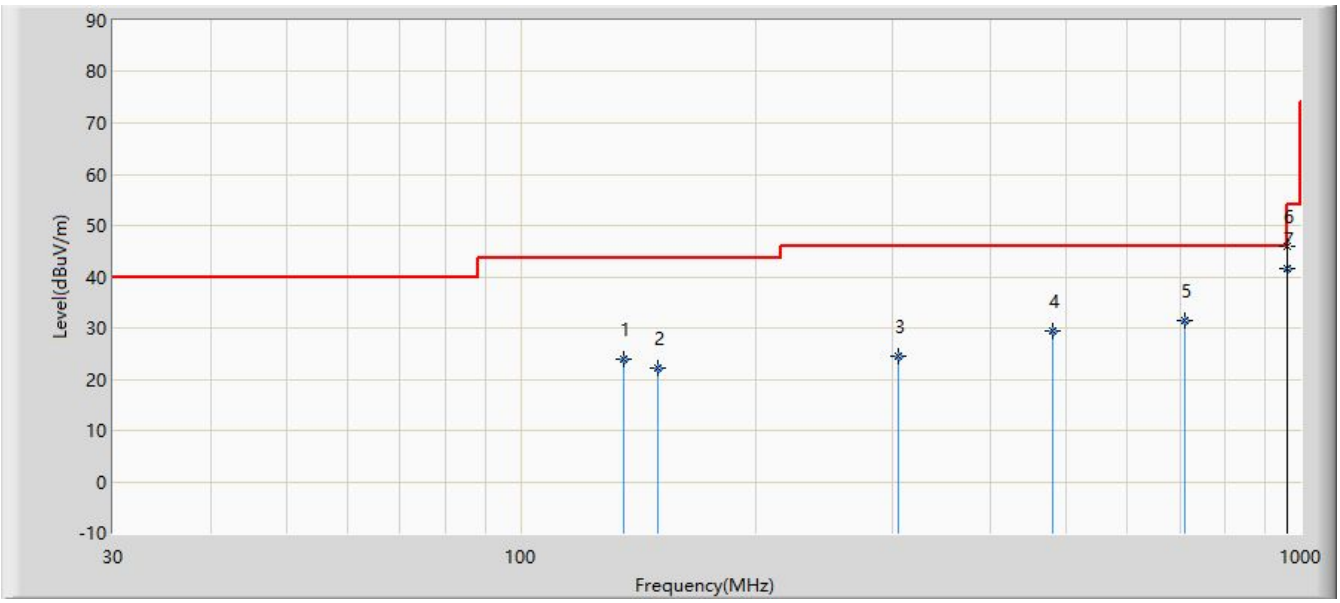


Above 1GHz Test Setup:



5.3.3.Test Result of Radiated Emissions

Site: SIP-AC1	Time: 2020/12/04
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: White Wang
Probe: SIP-AC1_VULB 9168 _30-1000MHz-4dB	Polarity: Horizontal
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Test Mode 1	

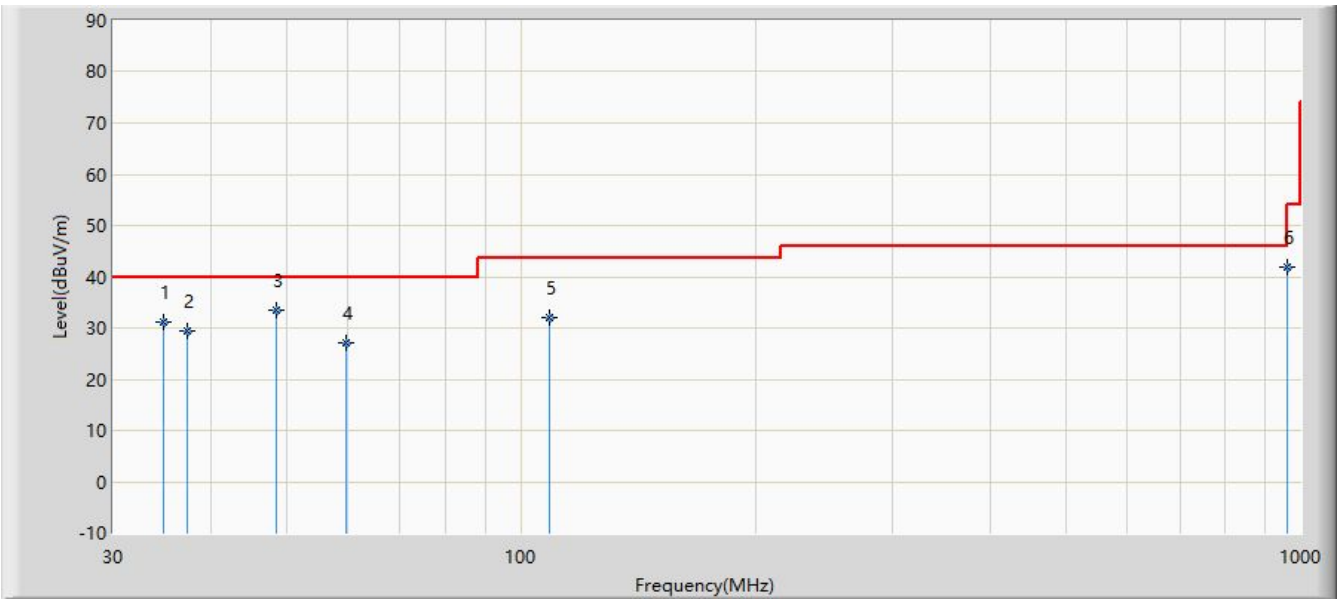


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			135.245	23.964	7.100	-19.536	43.500	16.864	QP
2			149.795	22.175	4.300	-21.325	43.500	17.875	QP
3			304.510	24.392	6.200	-21.608	46.000	18.192	QP
4			480.080	29.542	7.300	-16.458	46.000	22.242	QP
5			710.940	31.423	5.100	-14.577	46.000	26.323	QP
6	*		960.230	41.714	12.400	-12.286	54.000	29.314	QP

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: SIP-AC1	Time: 2020/12/04
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: White Wang
Probe: SIP-AC1_VULB 9168 _30-1000MHz-4dB	Polarity: Vertical
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Test Mode 1	

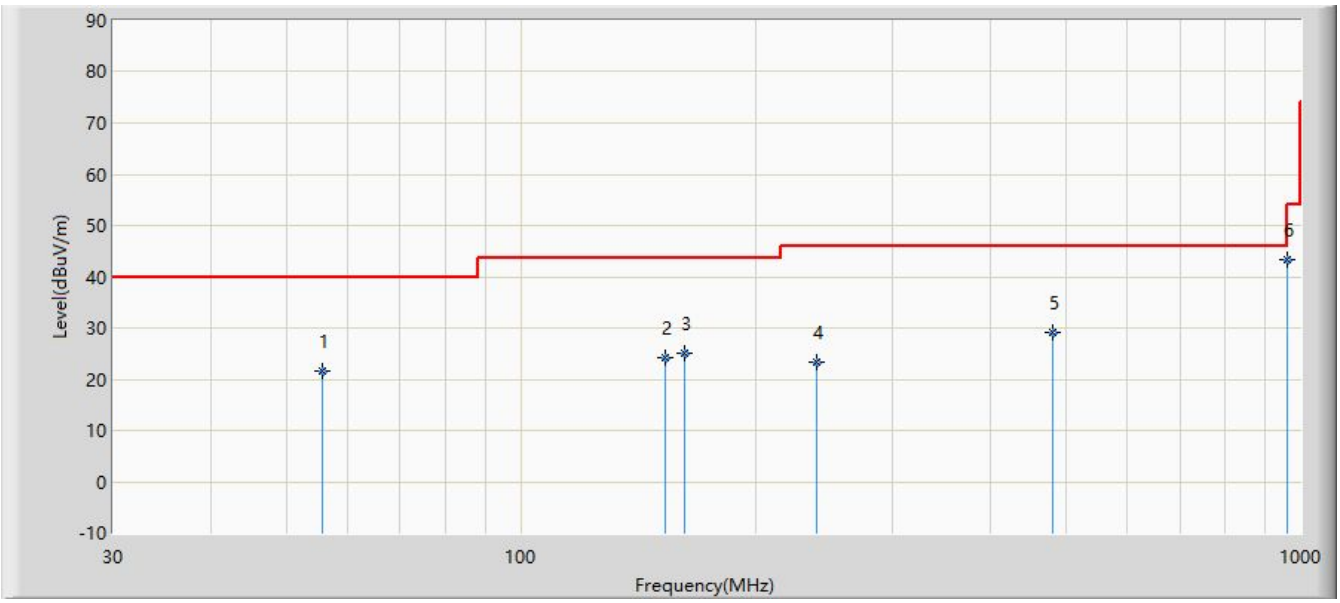


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			34.850	31.040	14.300	-8.960	40.000	16.740	QP
2			37.275	29.291	12.300	-10.709	40.000	16.991	QP
3		*	48.590	33.341	15.600	-6.659	40.000	17.741	QP
4			59.585	27.003	9.700	-12.997	40.000	17.303	QP
5			109.055	32.078	17.500	-11.422	43.500	14.578	QP
6			960.230	41.914	12.600	-12.086	54.000	29.314	QP

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: SIP-AC1	Time: 2020/12/04
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: White Wang
Probe: SIP-AC1_VULB 9168 _30-1000MHz-4dB	Polarity: Horizontal
EUT: HIT Dragonfly Access Point	Power: By PoE
Test Mode 2	

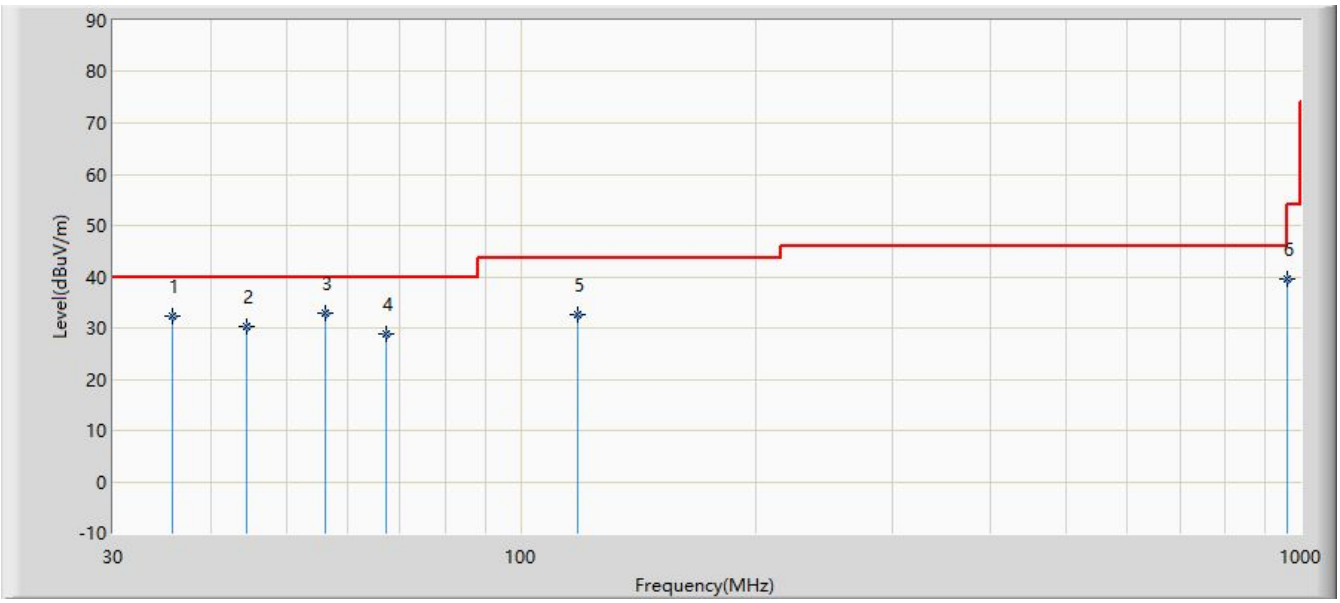


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			55.705	21.487	3.900	-18.513	40.000	17.587	QP
2			153.190	24.125	6.200	-19.375	43.500	17.925	QP
3			161.920	24.970	7.300	-18.530	43.500	17.670	QP
4			240.055	23.427	7.500	-22.573	46.000	15.927	QP
5			480.080	29.042	6.800	-16.958	46.000	22.242	QP
6		*	960.100	43.312	14.000	-10.688	54.000	29.312	QP

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: SIP-AC1	Time: 2020/12/04
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: White Wang
Probe: SIP-AC1_VULB 9168 _30-1000MHz-4dB	Polarity: Vertical
EUT: HIT Dragonfly Access Point	Power: By PoE
Test Mode 2	

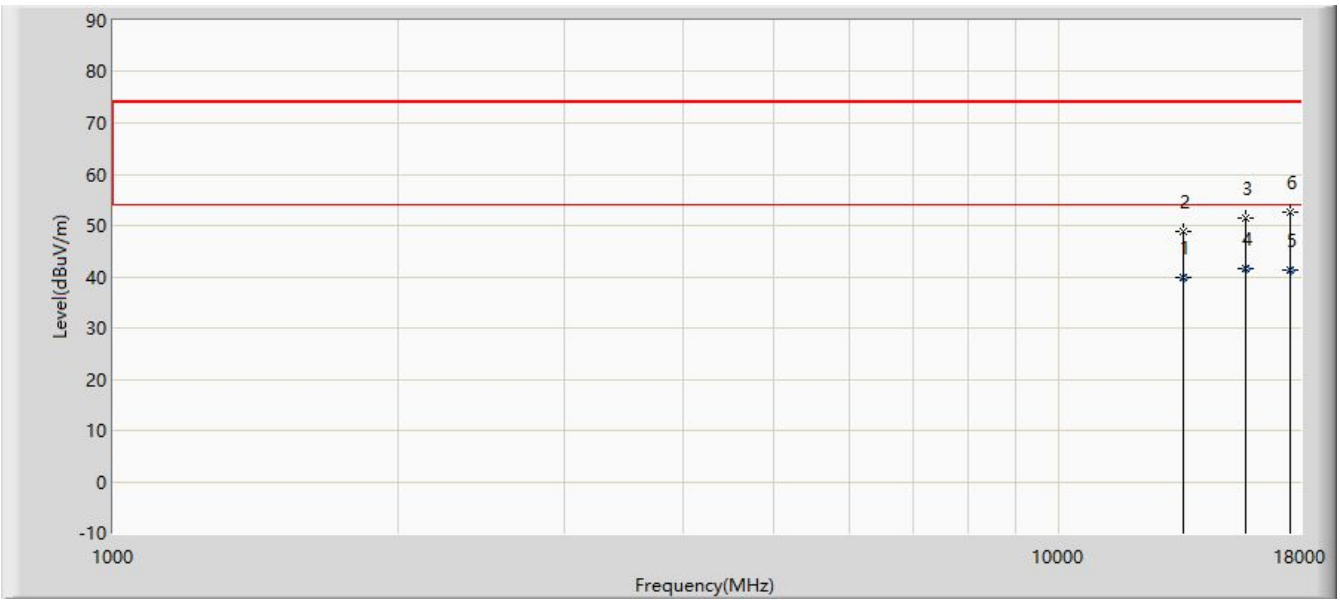


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			35.820	32.289	15.400	-7.711	40.000	16.889	QP
2			44.550	30.195	12.600	-9.805	40.000	17.595	QP
3		*	56.202	32.944	15.400	-7.056	40.000	17.544	QP
4			67.301	28.719	12.600	-11.281	40.000	16.119	QP
5			118.270	32.665	17.300	-10.835	43.500	15.365	QP
6			960.715	39.515	10.200	-14.485	54.000	29.315	QP

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: SIP-AC3	Time: 2020/12/04
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: Stephen Dong
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Test Mode 1	



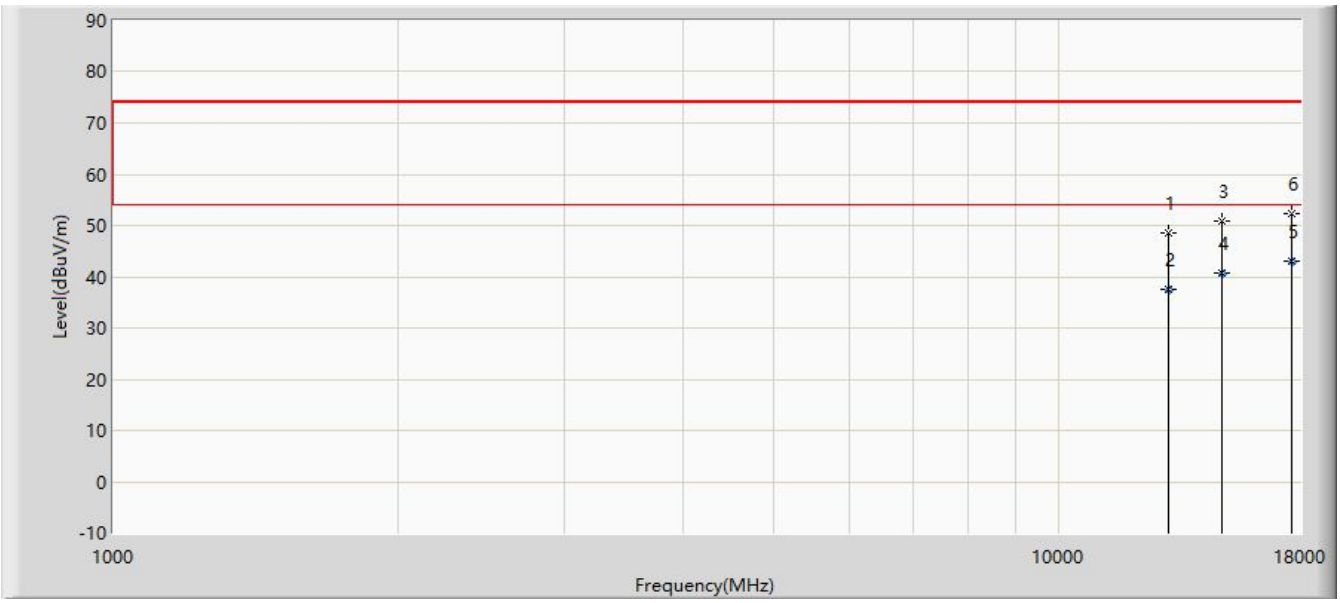
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			13553.640	39.864	40.540	-14.136	54.000	-0.676	AV
2			13554.500	48.876	49.550	-25.124	74.000	-0.675	PK
3			15739.000	51.477	47.692	-22.523	74.000	3.785	PK
4		*	15740.356	41.712	37.946	-12.288	54.000	3.766	AV
5			17520.000	41.313	36.454	-12.687	54.000	4.859	AV
6			17524.000	52.645	47.740	-21.355	74.000	4.905	PK

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - PreAmplifier Gain (dB)

Note 2: The amplitude of radiated emissions (frequency range from 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: SIP-AC3	Time: 2020/12/04
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: Stephen Dong
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: HIT Dragonfly Access Point	Power: AC 120V/60Hz
Test Mode 1	



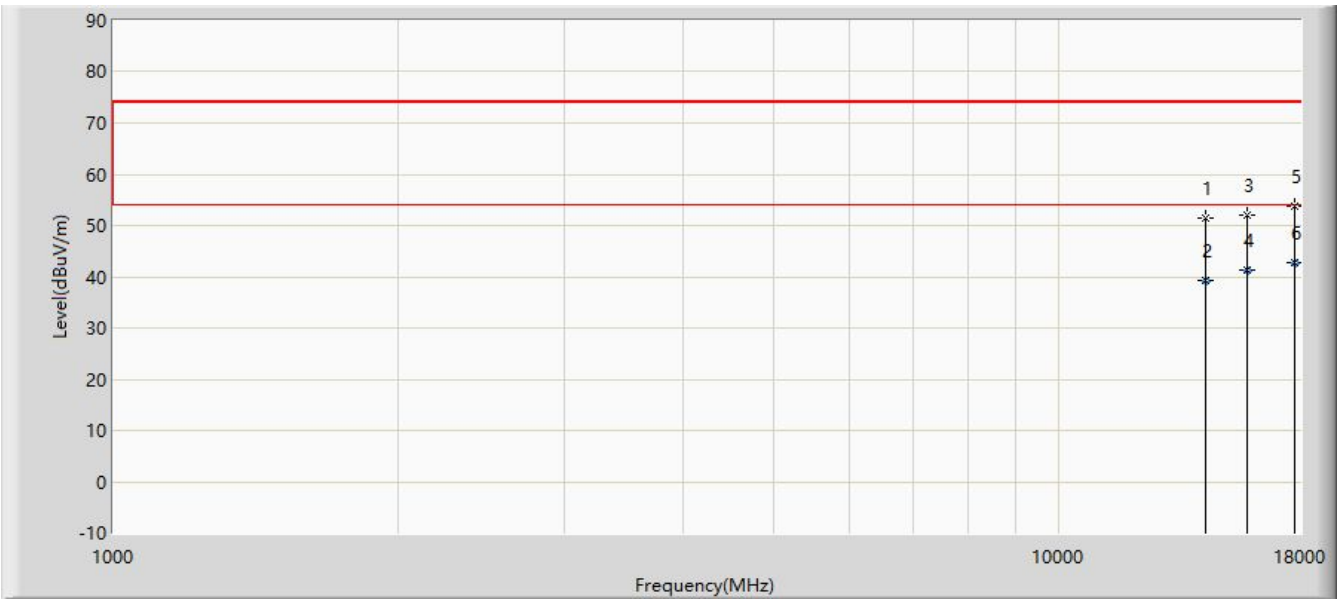
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			13044.500	48.538	50.633	-25.462	74.000	-2.095	PK
2			13045.000	37.456	39.565	-16.544	54.000	-2.110	AV
3			14855.000	50.861	48.684	-23.139	74.000	2.177	PK
4			14861.740	40.793	38.545	-13.207	54.000	2.248	AV
5		*	17642.474	43.083	38.150	-10.917	54.000	4.933	AV
6			17643.000	52.387	47.447	-21.613	74.000	4.940	PK

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - PreAmplifier Gain (dB)

Note 2: The amplitude of radiated emissions (frequency range from 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: SIP-AC3	Time: 2020/12/04
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: Stephen Dong
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Horizontal
EUT: HIT Dragonfly Access Point	Power: By PoE
Test Mode 2	



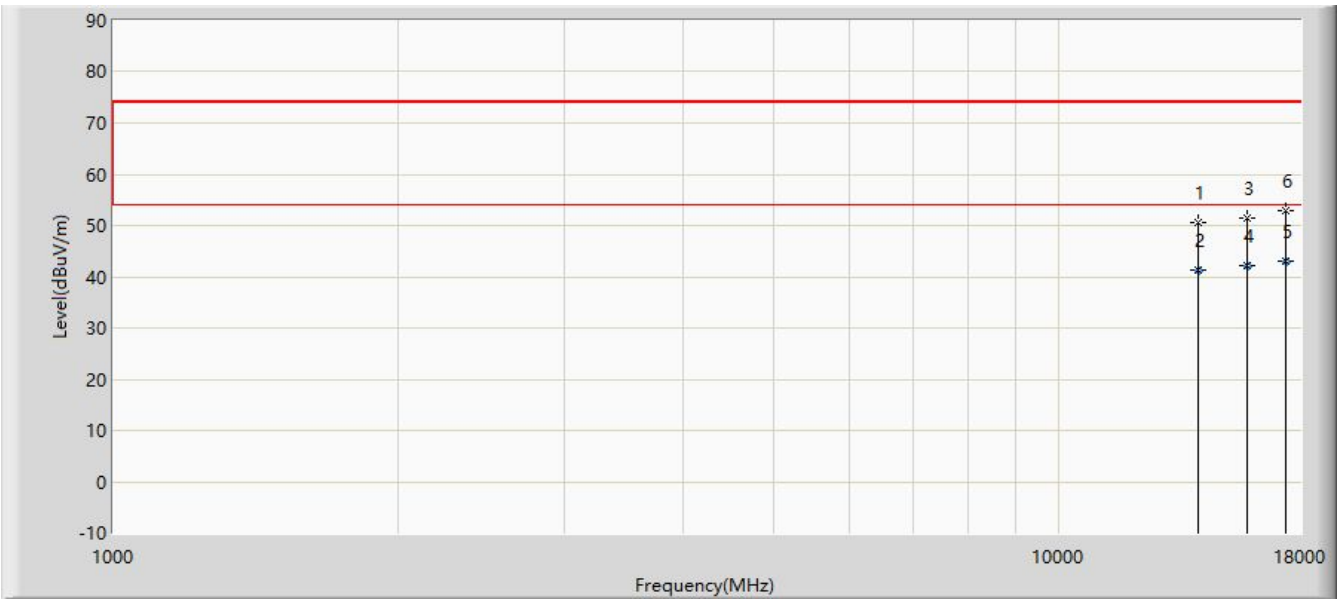
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			14294.000	51.425	49.758	-22.575	74.000	1.667	PK
2			14296.298	39.287	37.641	-14.713	54.000	1.647	AV
3			15824.000	51.891	48.171	-22.109	74.000	3.720	PK
4			15824.960	41.184	37.455	-12.816	54.000	3.729	AV
5			17745.000	53.733	48.491	-20.267	74.000	5.242	PK
6		*	17748.650	42.647	37.365	-11.353	54.000	5.283	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - PreAmplifier Gain (dB)

Note 2: The amplitude of radiated emissions (frequency range from 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: SIP-AC3	Time: 2020/12/04
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: Stephen Dong
Probe: SIP-AC3_HF907_102861_1-18GHz	Polarity: Vertical
EUT: HIT Dragonfly Access Point	Power: By PoE
Test Mode 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			14047.500	50.653	49.777	-23.347	74.000	0.876	PK
2			14050.500	41.437	40.540	-12.563	54.000	0.897	AV
3			15815.500	51.407	47.998	-22.593	74.000	3.410	PK
4			15820.000	42.030	38.456	-11.970	54.000	3.574	AV
5		*	17370.460	43.043	37.540	-10.957	54.000	5.503	AV
6			17371.000	53.000	47.465	-21.000	74.000	5.535	PK

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - PreAmplifier Gain (dB)

Note 2: The amplitude of radiated emissions (frequency range from 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

6. CONCLUSION

The data collected relate only the item(s) tested and show that this device has been tested to comply with the requirements specified in §15.107 / §15.109 of the FCC Rules.

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The End

Appendix A - Test Setup Photograph

Refer to “2201RSU007-UT” file.

Appendix B - EUT Photograph

Refer to “2201RSU007-UE” file.