



MEASUREMENT REPORT

FCC Part 15 Subpart B

Applicant: HAN Networks Co., Ltd.

Address: 101-A16, 1st Floor, Building 3, No.9 compound,
Yongfeng Road, Haidian District, Beijing, P.R. China

Product: HAN Access Point

Model No.: AP351

Brand Name: HANNETWORKS, HAN NETWORKS

FCC Rule Part(s): FCC Part 15 Subpart B: 2021

Test Procedure(s): ANSI C63.4-2014

Test Date: June 17 ~ 26, 2021

Reviewed By:

Sunny Sun

Approved By:

Robin Wu



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.

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Revision History

Report No.	Version	Description	Issue Date	Note
2107RSU068-U1	Rev. 01	Initial Report	08-01-2021	Valid

Note: This is a copy report based on MRT original report (report No.: 2103RSU075-U1). It only changed the information of the applicant and the product. The hardware and software of the product are the same.

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1. General Information

1.1. Applicant

HAN Networks Co., Ltd.

101-A16, 1st Floor, Building 3, No.9 compound, Yongfeng Road, Haidian District, Beijing, P.R. China

1.2. Manufacturer

HAN Networks Co., Ltd.

101-A16, 1st Floor, Building 3, No.9 compound, Yongfeng Road, Haidian District, Beijing, 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 FCC: CN1166 VCCI: R-20025, G-20034, C-20020, T-20020
	CNAS: L10551 ISED: CN0001
☐	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 FCC: CN1284
☐	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
☐	

1.4. Product Information

Product Name	HAN Access Point
Model No.	AP351
Brand Name	HANNETWORKS, HAN NETWORKS
Operating Temperature	0 ~ 45 °C
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Bluetooth Specification	v5.1 (Single mode)
Power Type	PoE Injector Input by PoE or AC/DC Adapter
Accessories	
AC/DC Adapter	Model: ADP-50GR B Input: 100-240V ~ 50/60Hz, 1.3A Output: 48.0V, 1.042A, 50.1W MAX
PoE Injector	Model: POE60U-1BT-X Input: 100-240V ~ 1.5A, 50/60Hz Output: 56.0V, 0.535A, (Pin 3,6+ to pin 1,2 Return); 56V dc, 0.535A(pin 4,5+ to Pin 7,8 Return)
Remark: AC/DC adapter and PoE Injector are not sold with Product.	

Note:

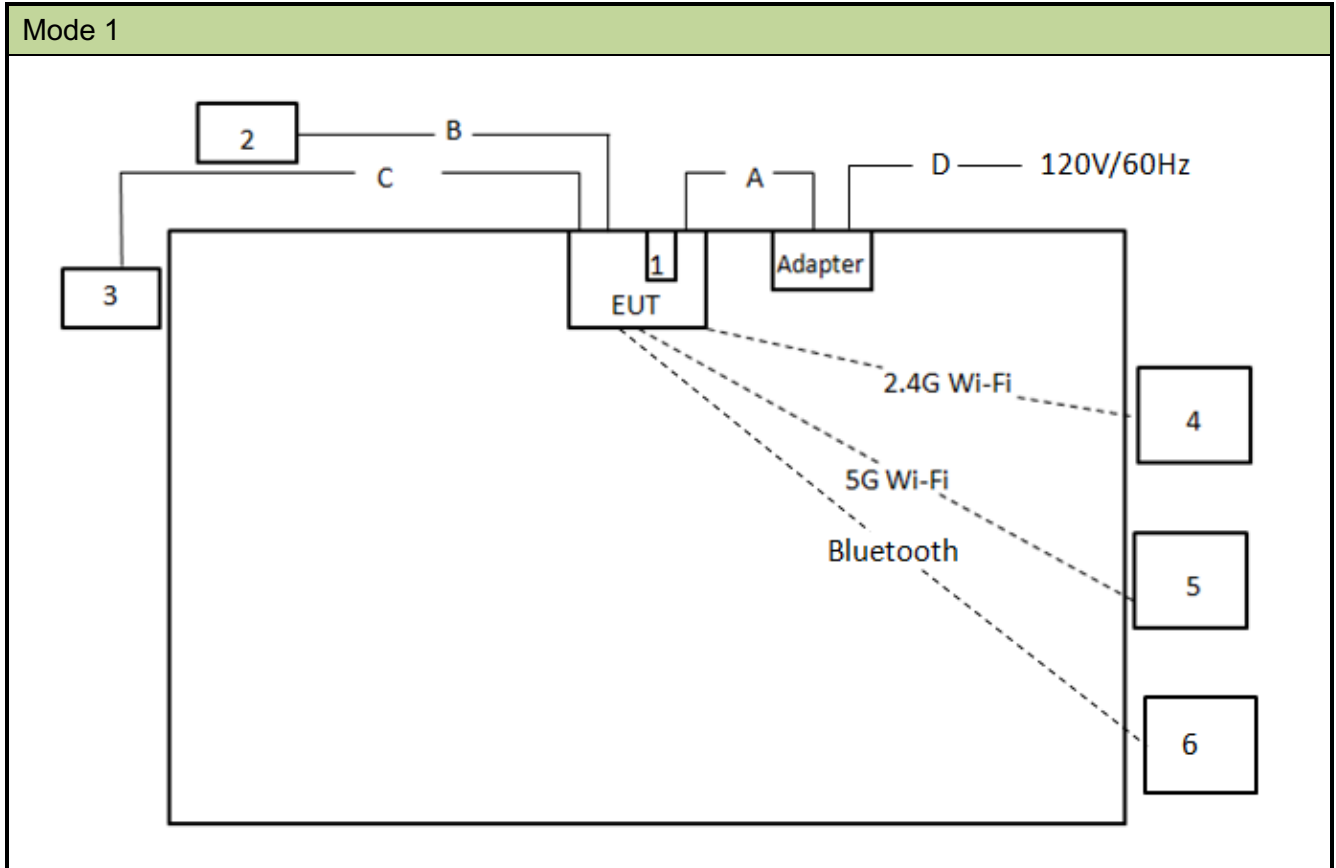
1. The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.

1.5. Test Mode

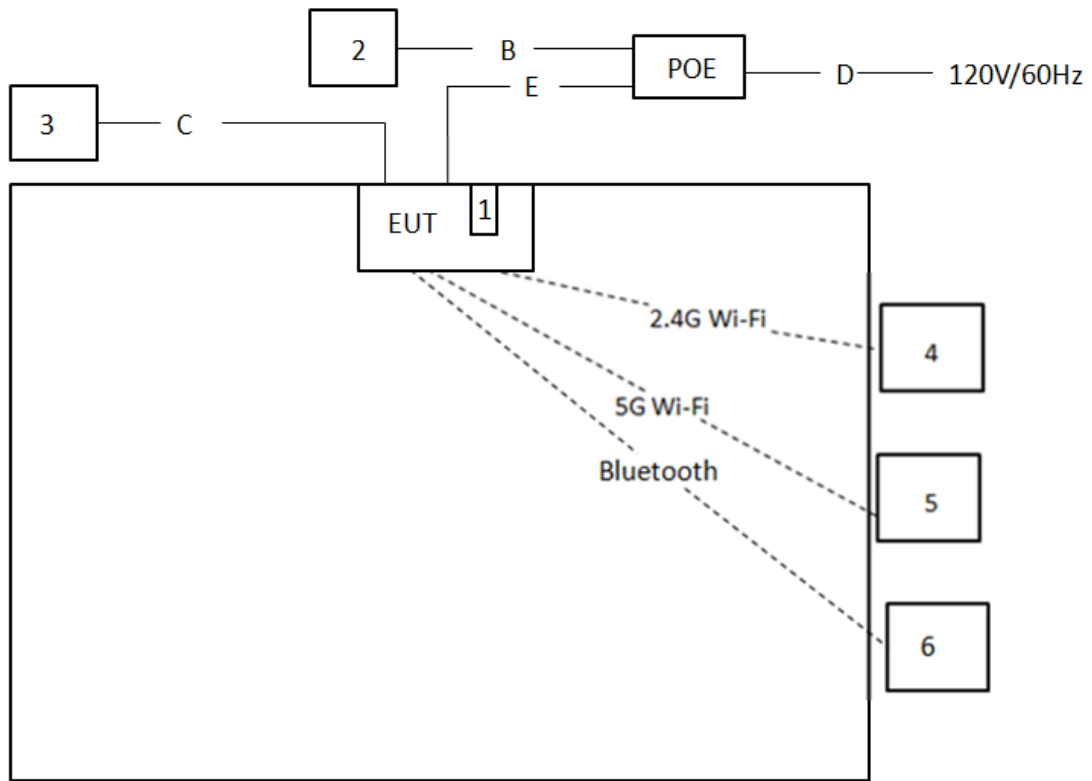
Test Mode	Mode 1: Power on EUT by AC to DC Adapter & LAN Ports communicate with Notebook & Insert USB Flash Disk & 2.4G/5G Wi-Fi communicate with Phone & BLE communicate with Phone. Mode 2: Power on EUT by PoE & LAN Ports communicate with Notebook & Insert USB Flash Disk & 2.4G/5G Wi-Fi communicate with Phone & BLE communicate with Phone.
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1.6. Configuration of Tested System

The measurement procedures and appropriate EUT setup described in the American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz (ANSI C63.4-2014) was used in the measurement.



Mode 2



Cable Type		Cable Description
A	Power Cable	Non-Shielded, 1.75m
B	Ethernet Cable	Non-Shielded, 1.5m
C	Ethernet Cable	Non-Shielded, 1.5m
D	Power Cable	Non-Shielded, >1m
E	Ethernet Cable	Non-Shielded, 1.5m

1.7. 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.
1	USB Flash Disk	Sandisk	NA
2	Notebook	Lenovo	Thinkpad X301
3	Notebook	Lenovo	Thinkpad X301
4	Phone	Apple	iPhone 8
5	Phone	Apple	iPhone 6s
6	Phone	OPPO	X9009

1.8. Test Procedure

1	Setup the EUT and simulators as shown on above.
2	Configure each test modes as shown in section 1.5.
3	Start to test.

1.9. EMI Suppression Device(s)/Modifications

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

2. TEST EQUIPMENT CALIBRATION DATE

Conducted Emission (WZ-SR2)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06185	1 year	2022/01/04
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2021/09/09
Thermal Hygrometer	testo	608-H1	MRTSUE06404	1 year	2021/07/26
Shielding Room	MIX-BEP	Chamber-SR2	MRTSUE06215	N/A	N/A

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	2021/09/09
Thermal Hygrometer	testo	608-H1	MRTSUE06621	1 year	2021/12/03

Radiated Emission (WZ-AC1)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cal. Due Date
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2022/01/04
PXA Signal Analyzer	Keysight	N9030B	MRTSUE06395	1 year	2021/08/30
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Bilog Period Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2021/08/08
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2021/09/27
Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06597	1 year	2021/12/14
Microwave System Amplifier	Agilent	83017A	MRTSUE06076	1 year	2021/11/14
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2022/06/10
Thermal Hygrometer	testo	608-H1	MRTSUE06403	1 year	2021/07/26
Anechoic Chamber	TDK	Chamber-AC1	MRTSUE06212	1 year	2022/04/29

Radiated Emission (WZ-AC2)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
MXE EMI Receiver	Keysight	N9038A	MRTSUE06125	1 year	2021/07/02
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Bilog Period Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2022/05/24
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2021/10/25
Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06597	1 year	2021/12/14
Broadband Coaxial Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2021/11/14
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2022/06/10
Thermal Hygrometer	Minggao	ETH529	MRTSUE06170	1 year	2021/12/08
Anechoic Chamber	RIKEN	Chamber-AC2	MRTSUE06213	1 year	2022/04/29

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
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Bilog Period Antenna	Schwarzbeck	VULB9168	MRTSUE06645	1 year	2021/08/30
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	2021/12/03
Anechoic Chamber	RIKEN	SIP-AC1	MRTSUE06554	1 year	2021/12/24

Radiated Emission (SIP-AC2)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06613	1 year	2021/07/02
MXA Signal Analyzer	Keysight	N9020B	MRTSUE06604	1 year	2021/09/26
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Bilog Period Antenna	Schwarzbeck	VULB9168	MRTSUE06646	1 year	2021/08/30
Horn Antenna	Schwarzbeck	BBHA9120D	MRTSUE06648	1 year	2021/11/26
Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06599	1 year	2021/11/26
Preamplifier	EMCI	EMC051845SE	MRTSUE06644	1 year	2021/11/12
Preamplifier	EMCI	EMC184045SE	MRTSUE06602	1 year	2021/10/13
Thermal Hygrometer	testo	608-H1	MRTSUE06624	1 year	2021/12/03
Anechoic Chamber	RIKEN	SIP-AC2	MRTSUE06781	1 year	2021/12/24

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
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Bilog Period Antenna	Schwarzbeck	VULB9168	MRTSUE06647	1 year	2021/08/08
Double Ridged Horn Antenna	R&S	HF907	MRTSUE06611	1 year	2021/09/13
Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06598	1 year	2021/11/26
Preamplifier	EMCI	EMC012645SE	MRTSUE06642	1 year	2022/01/14
Preamplifier	EMCI	EMC184045SE	MRTSUE06641	1 year	2022/01/14
Thermal Hygrometer	testo	608-H1	MRTSUE06622	1 year	2021/12/03
Anechoic Chamber	RIKEN	SIP-AC3	MRTSUE06782	1 year	2021/12/24

Software	Version	Function
EMI Software	V3	EMI Test Software

3. 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~40GHz: 6.40dB Vertical: 30MHz~300MHz: 5.24dB 300MHz~1GHz: 6.03dB 1GHz~40GHz: 6.40dB

4. TEST RESULT

4.1. Summary

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

4.2. Conducted Emission Measurement

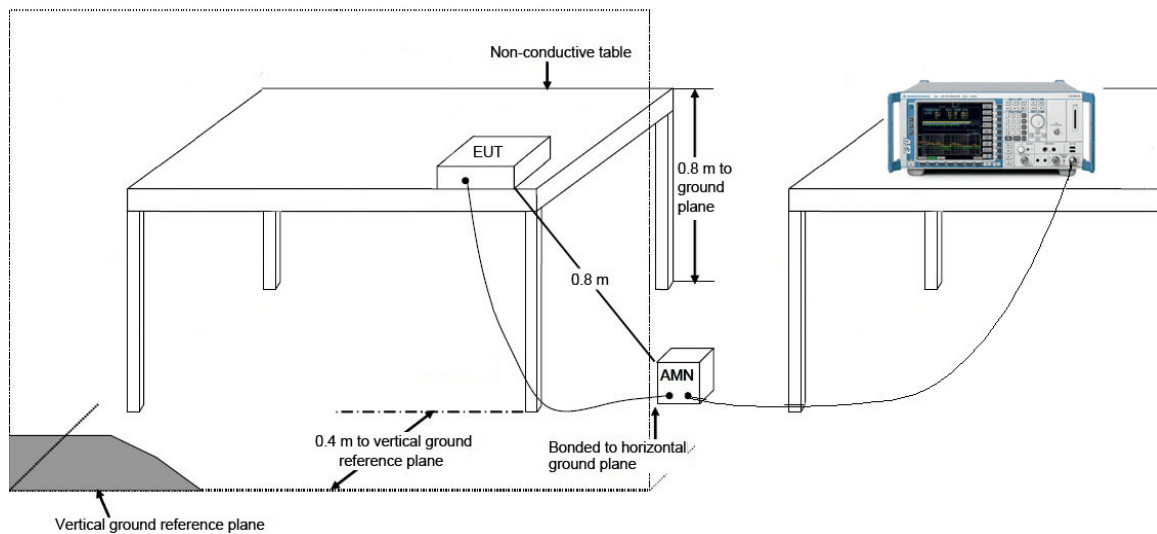
4.2.1. Test Limit

FCC Part 15.107 Class B Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
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.

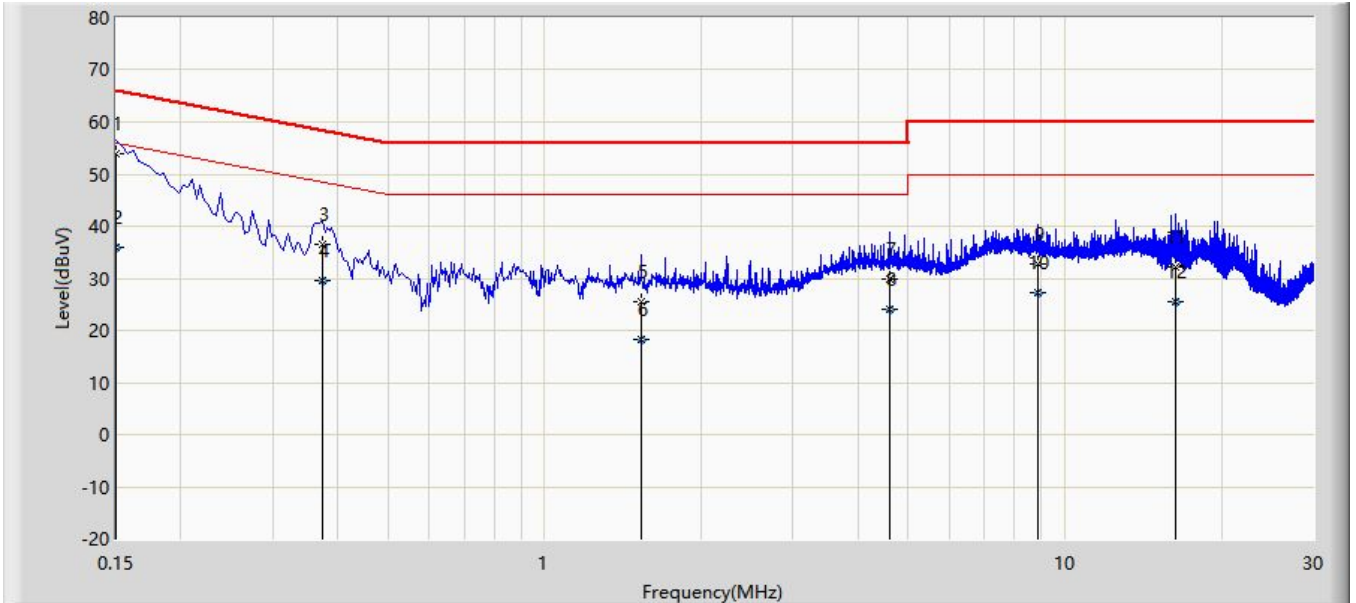
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

4.2.2. Test Setup



4.2.3. Test Result

Site: WZ-SR2	Time: 2021/06/17
Limit: FCC_Part15.107_CE_AC Power _Class B	Engineer: Antony Yang
Probe: ENV216_101683_Filter Off	Polarity: Line
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode 1	

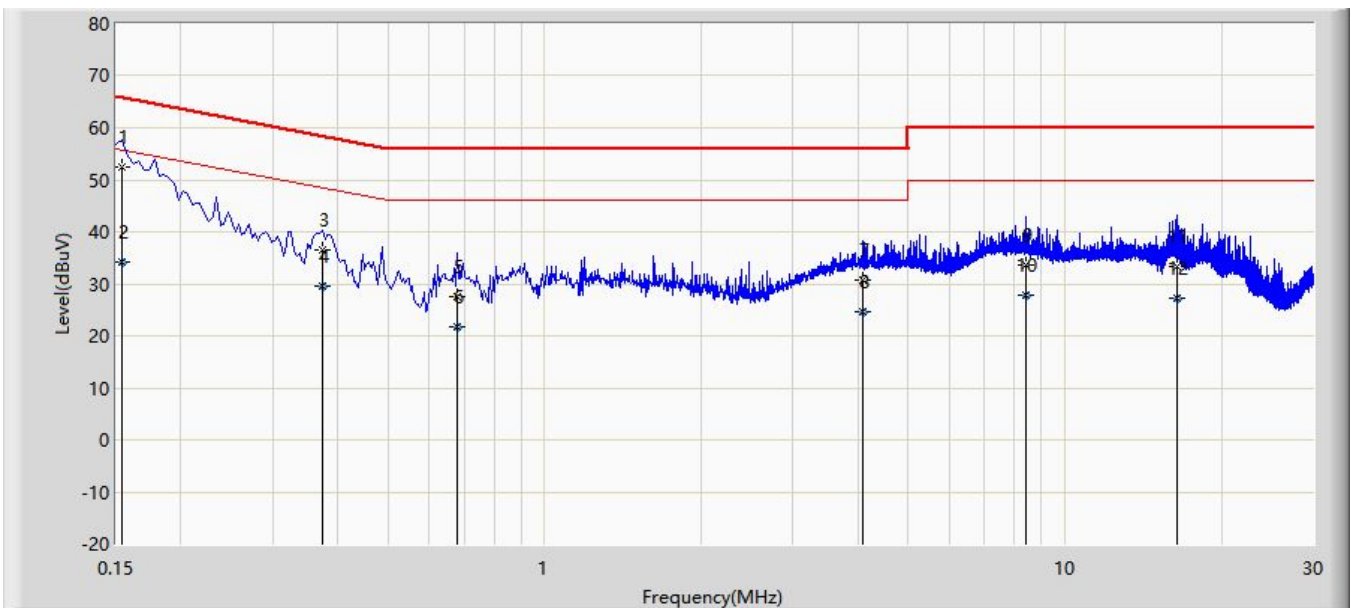


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		*	0.150	53.774	43.977	-12.226	66.000	9.798	QP
2			0.150	35.799	26.001	-20.201	56.000	9.798	AV
3			0.374	36.616	26.767	-21.796	58.412	9.849	QP
4			0.374	29.608	19.759	-18.803	48.412	9.849	AV
5			1.534	25.454	15.554	-30.546	56.000	9.900	QP
6			1.534	18.254	8.354	-27.746	46.000	9.900	AV
7			4.590	29.981	19.631	-26.019	56.000	10.350	QP
8			4.590	23.965	13.616	-22.035	46.000	10.350	AV
9			8.894	32.815	22.242	-27.185	60.000	10.573	QP
10			8.894	27.186	16.612	-22.814	50.000	10.573	AV
11			16.286	32.164	21.527	-27.836	60.000	10.637	QP
12			16.286	25.647	15.011	-24.353	50.000	10.637	AV

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

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

Site: WZ-SR2	Time: 2021/06/17
Limit: FCC_Part15.107_CE_AC Power _Class B	Engineer: Antony Yang
Probe: ENV216_101683_Filter Off	Polarity: Neutral
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		*	0.154	52.477	42.686	-13.305	65.781	9.790	QP
2			0.154	34.161	24.370	-21.621	55.781	9.790	AV
3			0.374	36.397	26.558	-22.015	58.412	9.839	QP
4			0.374	29.488	19.650	-18.923	48.412	9.839	AV
5			0.678	27.515	17.639	-28.485	56.000	9.876	QP
6			0.678	21.858	11.982	-24.142	46.000	9.876	AV
7			4.078	30.669	20.416	-25.331	56.000	10.254	QP
8			4.078	24.749	14.496	-21.251	46.000	10.254	AV
9			8.402	33.500	22.947	-26.500	60.000	10.553	QP
10			8.402	27.759	17.206	-22.241	50.000	10.553	AV
11			16.410	33.427	22.805	-26.573	60.000	10.622	QP
12			16.410	27.164	16.542	-22.836	50.000	10.622	AV

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

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

4.3. Radiated Emission Measurement

4.3.1. Test Limit

FCC Part 15.109 Class B Limits		
Frequency (MHz)	Distance (m)	Level (dB μ V/m)
30 - 88	3	40
88 - 216	3	43.5
216 - 960	3	46
Above 960	3	54

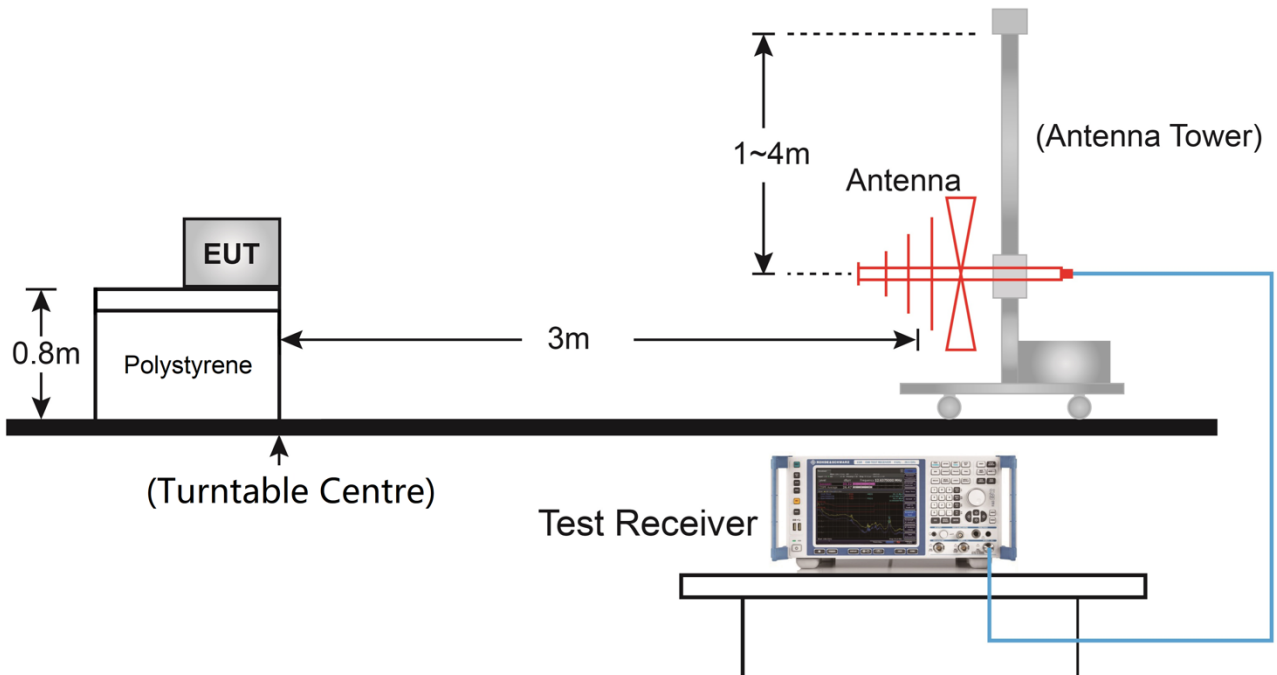
Note 1: The lower limit shall apply at the transition frequency.

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.

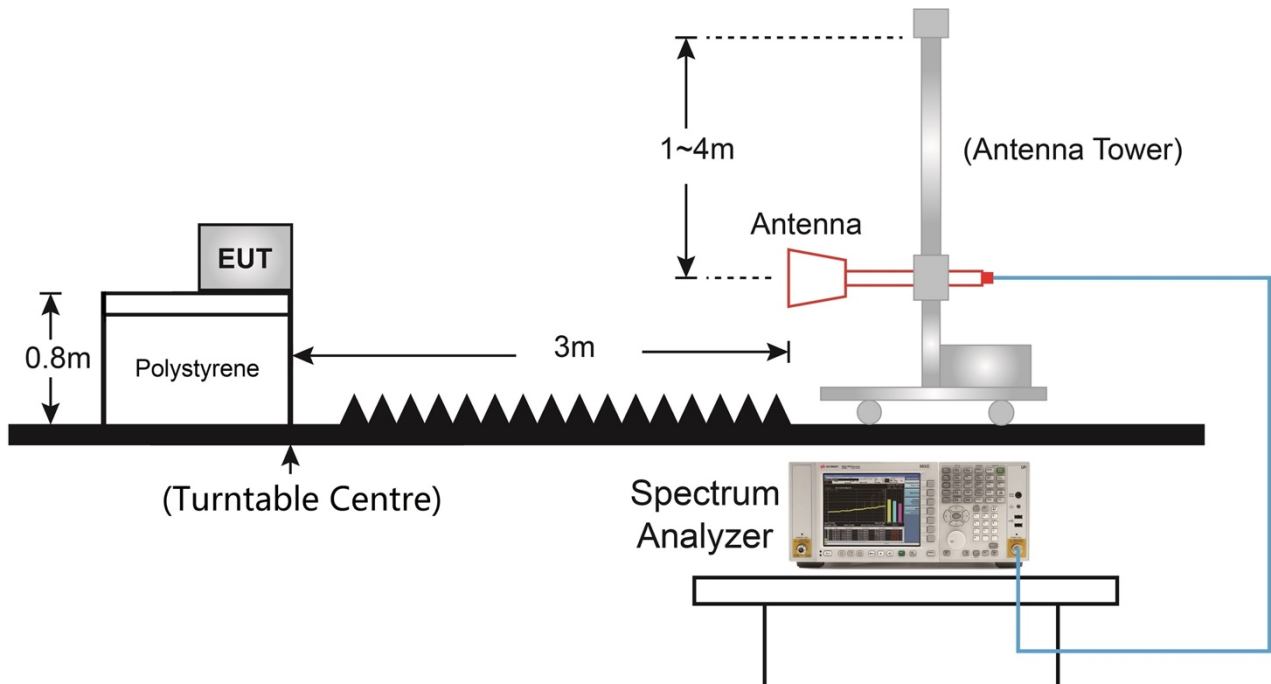
Note 3: E field strength (dB μ V/m) = 20 log E field strength (μ V/m)

4.3.2. Test Setup

Below 1GHz Test Setup:

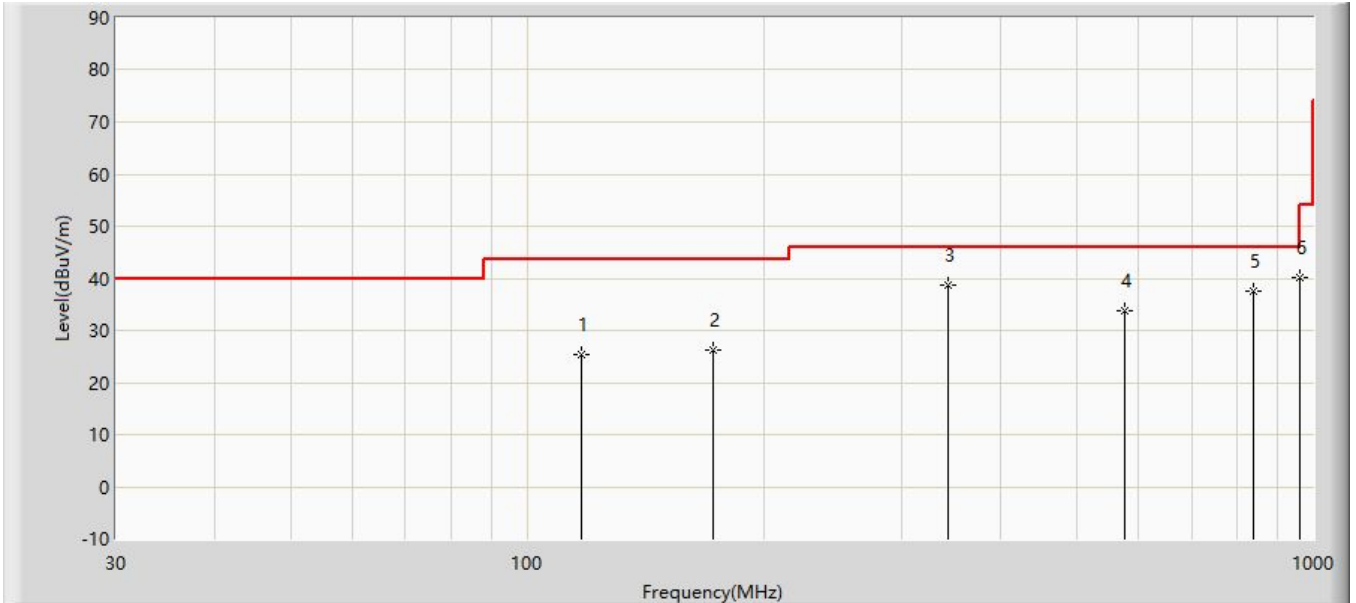


Above 1GHz Test Setup:



4.3.3. Test Result

Site: WZ-AC1	Time: 2021/06/26
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: Buter Shi
Probe: WZ-AC1_VULB 9168 _30-1000MHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode 1	



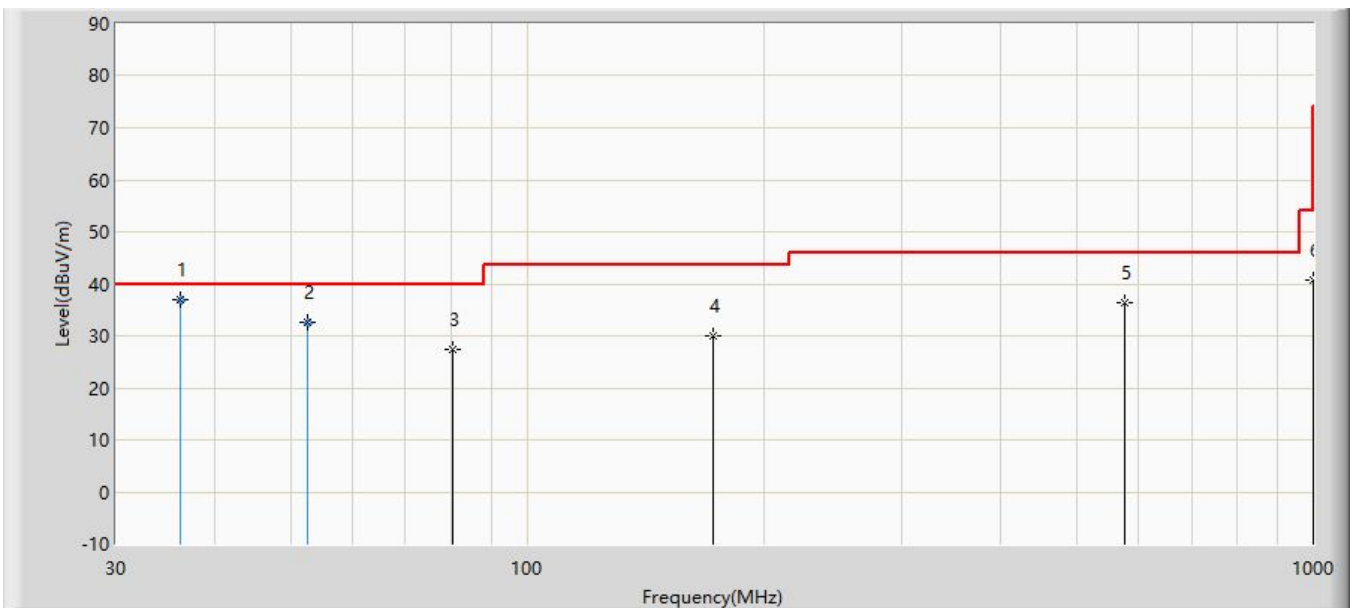
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			117.300	25.410	9.889	-18.090	43.500	15.521	PK
2			172.105	26.373	9.160	-17.127	43.500	17.213	PK
3		*	343.795	38.780	19.415	-7.220	46.000	19.365	PK
4			576.110	33.882	9.073	-12.118	46.000	24.809	PK
5			840.435	37.467	8.737	-8.533	46.000	28.730	PK
6			960.230	40.271	10.244	-13.729	54.000	30.027	PK

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

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

Note 2: If the peak detected signals are below the quasi-peak limit, then no further investigation of the quasi-peak readings is required.

Site: WZ-AC1	Time: 2021/06/26
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: Buter Shi
Probe: WZ-AC1_VULB 9168 _30-1000MHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode 1	



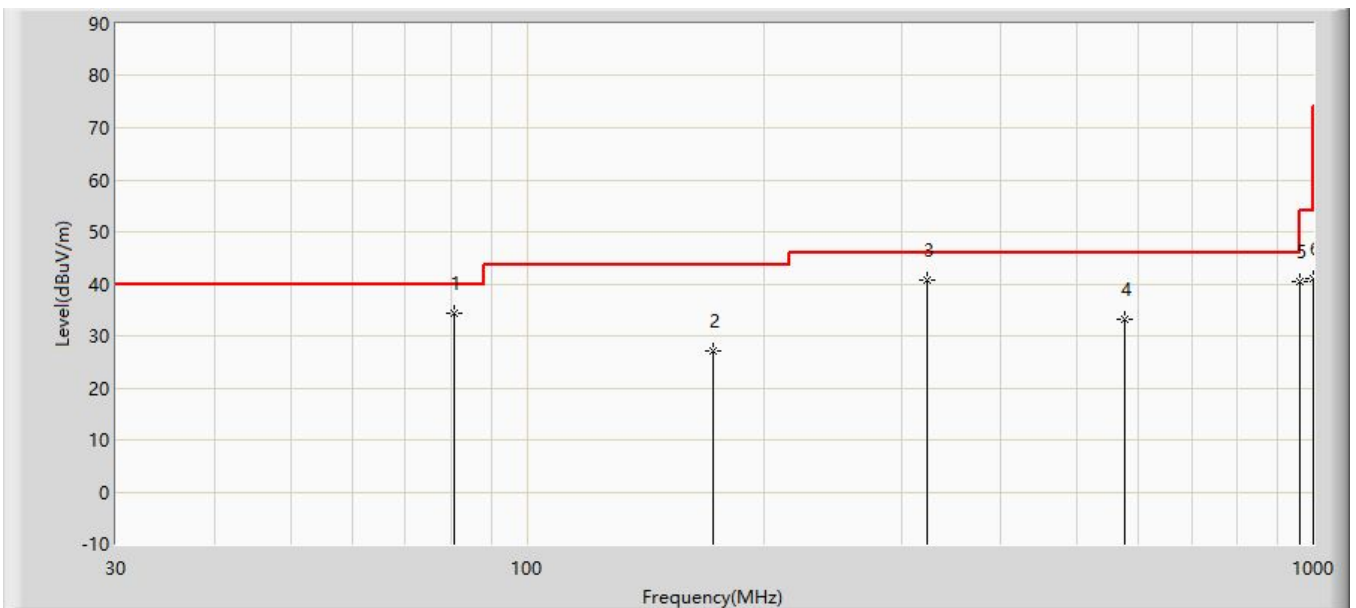
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	36.250	36.842	19.800	-3.158	40.000	17.042	QP
2			52.480	32.574	14.600	-7.426	40.000	17.974	QP
3			80.440	27.434	14.097	-12.566	40.000	13.337	PK
4			172.590	29.911	12.739	-13.589	43.500	17.172	PK
5			576.110	36.236	11.427	-9.764	46.000	24.809	PK
6			1000.000	40.717	10.376	-13.283	54.000	30.341	PK

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

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

Note 2: If the peak detected signals are below the quasi-peak limit, then no further investigation of the quasi-peak readings is required.

Site: WZ-AC1	Time: 2021/06/26
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Buter Shi
Probe: WZ-AC1_VULB 9168 _30-1000MHz	Polarity: Horizontal
EUT: HAN Access Point	Power: By PoE
Test Mode 2	



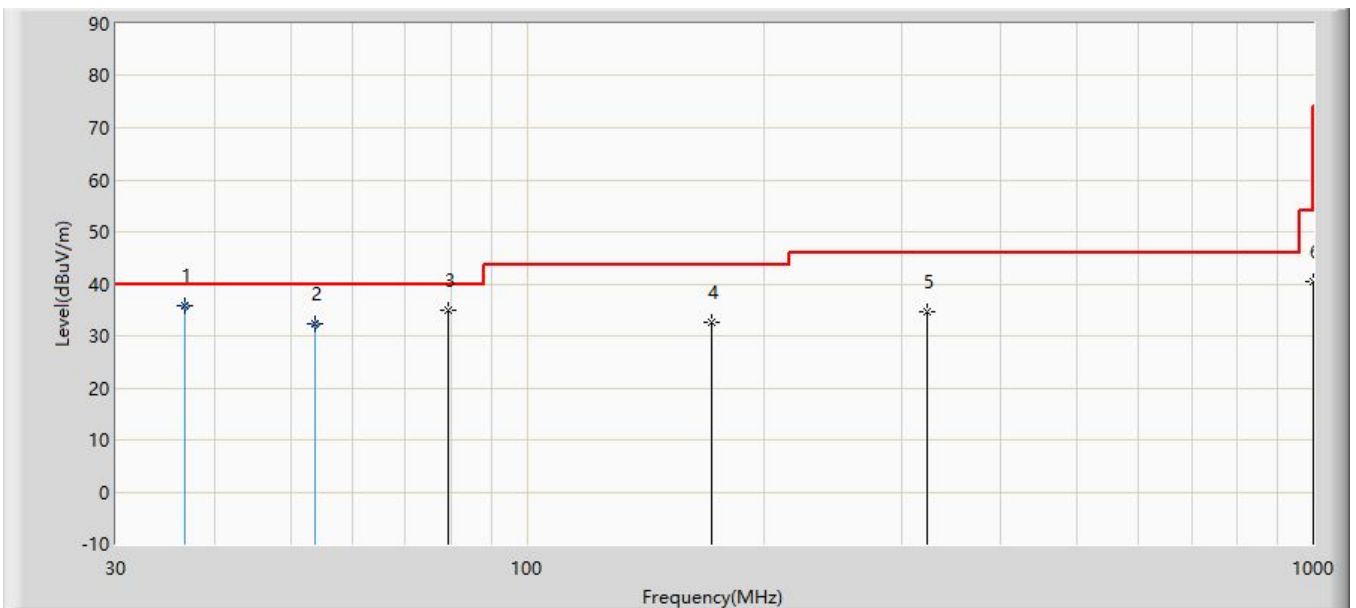
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			80.925	34.414	21.197	-5.586	40.000	13.217	PK
2			172.590	27.021	9.849	-16.479	43.500	17.172	PK
3		*	322.940	40.780	21.725	-5.220	46.000	19.055	PK
4			576.110	33.261	8.452	-12.739	46.000	24.809	PK
5			960.230	40.498	10.471	-13.502	54.000	30.027	PK
6			1000.000	41.003	10.662	-12.997	54.000	30.341	PK

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

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

Note 2: If the peak detected signals are below the quasi-peak limit, then no further investigation of the quasi-peak readings is required.

Site: WZ-AC1	Time: 2021/06/26
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: Buter Shi
Probe: WZ-AC1_VULB 9168 _30-1000MHz	Polarity: Vertical
EUT: HAN Access Point	Power: By PoE
Test Mode 2	



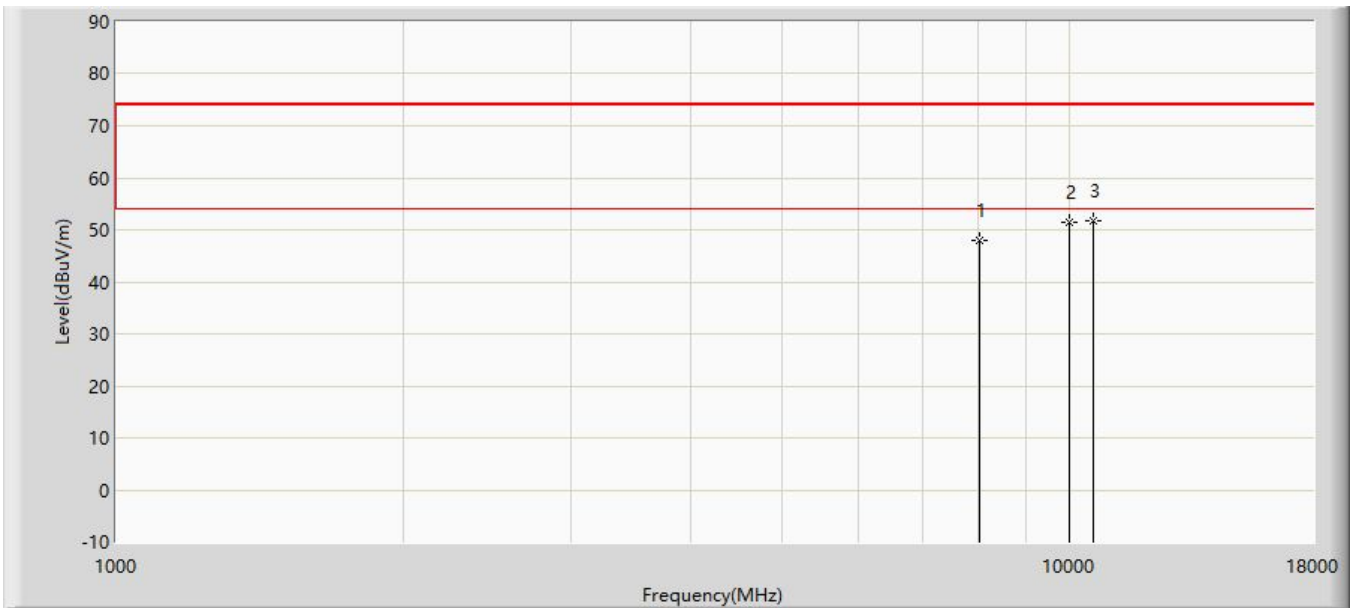
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	36.710	35.890	18.800	-4.110	40.000	17.090	QP
2			53.690	32.219	14.300	-7.781	40.000	17.919	QP
3			79.470	34.894	21.259	-5.106	40.000	13.635	PK
4			171.620	32.624	15.371	-10.876	43.500	17.253	PK
5			322.940	34.781	15.726	-11.219	46.000	19.055	PK
6			1000.000	40.333	9.992	-13.667	54.000	30.341	PK

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

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

Note 2: If the peak detected signals are below the quasi-peak limit, then no further investigation of the quasi-peak readings is required.

Site: WZ-AC1	Time: 2021/06/26
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Buter Shi
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			8038.000	48.033	38.749	-25.967	74.000	9.284	PK
2			9984.500	51.476	38.853	-22.524	74.000	12.624	PK
3		*	10579.500	51.615	37.766	-22.385	74.000	13.848	PK

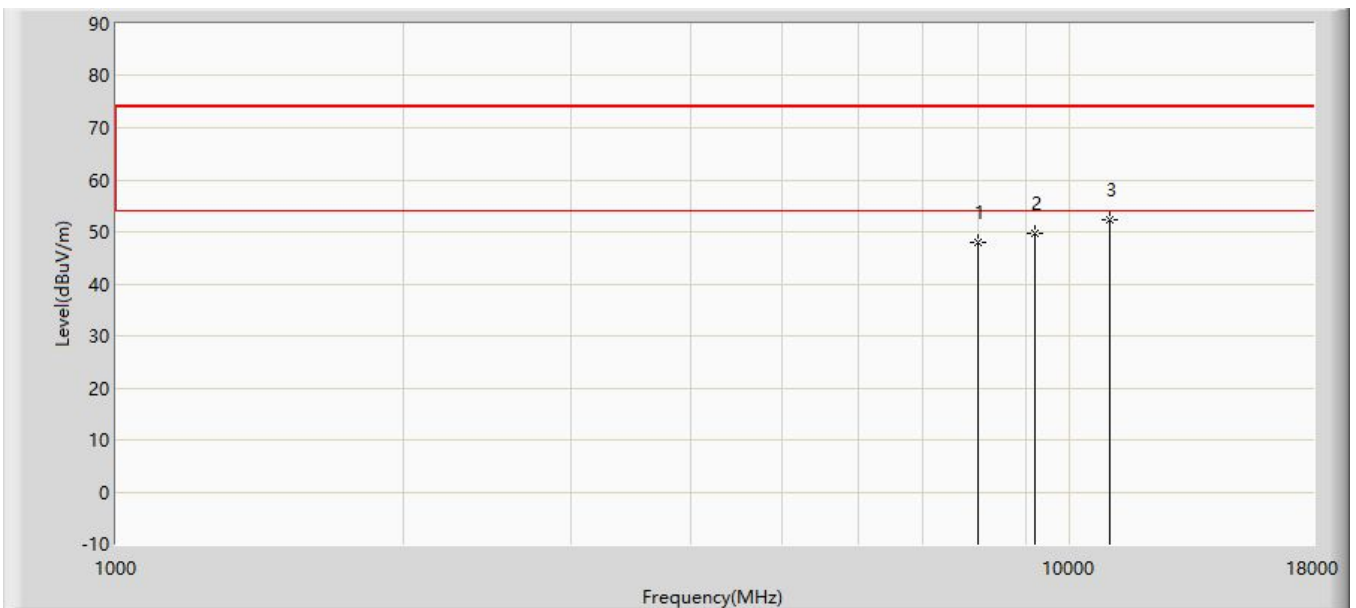
Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier 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.

Note 3: If the peak detected signals are below the average limit, then no further investigation of the average readings is required.

Site: WZ-AC1	Time: 2021/06/26
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: Buter Shi
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: AC 120V/60Hz
Test Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			8004.000	47.962	38.831	-26.038	74.000	9.131	PK
2			9185.500	49.677	38.025	-24.323	74.000	11.652	PK
3		*	11021.500	52.269	38.454	-21.731	74.000	13.815	PK

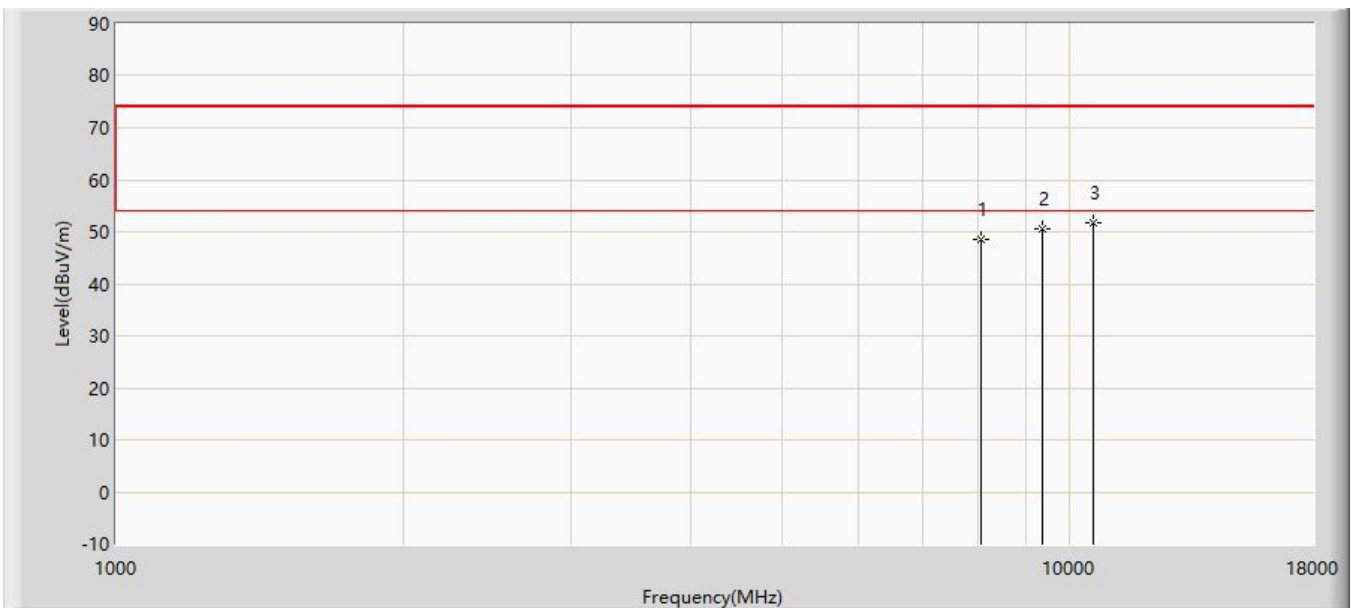
Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier 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.

Note 3: If the peak detected signals are below the average limit, then no further investigation of the average readings is required.

Site: WZ-AC1	Time: 2021/06/26
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Buter Shi
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: HAN Access Point	Power: By PoE
Test Mode 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1			8072.000	48.628	39.387	-25.372	74.000	9.241	PK
2			9355.500	50.595	38.328	-23.405	74.000	12.267	PK
3		*	10579.500	51.835	37.986	-22.165	74.000	13.848	PK

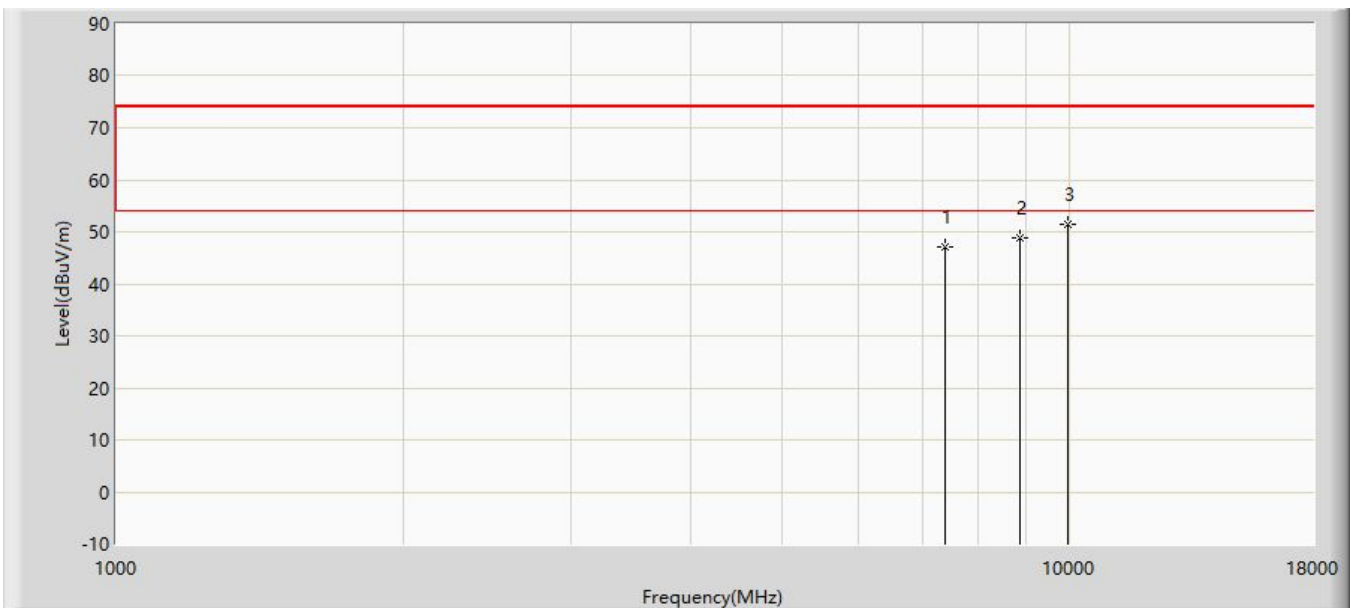
Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier 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.

Note 3: If the peak detected signals are below the average limit, then no further investigation of the average readings is required.

Site: WZ-AC1	Time: 2021/06/26
Limit: FCC_Part15.109_RE(3m) _Class B	Engineer: Buter Shi
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: HAN Access Point	Power: By PoE
Test Mode 2	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7392.000	46.972	38.355	-27.028	74.000	8.617	PK
2			8862.500	48.942	38.281	-25.058	74.000	10.662	PK
3		*	9967.500	51.324	38.795	-22.676	74.000	12.528	PK

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier 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.

Note 3: If the peak detected signals are below the average limit, then no further investigation of the average readings is required.

5. CONCLUSION

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

The End

Appendix A - Test Setup Photograph

Refer to “2107TW0105-UT” file.

Appendix B - EUT Photograph

Refer to "2107TW0105-UE" file.