

EMC MEASUREMENT REPORT

FCC ID: 2ALJ3AP52X

Applicant: HAN Networks Co., Ltd.

Address: 01-A16, 1st Floor, Building 3, No.9 compound, Yongfeng Road, Haidian District, Beijing, P.R. China

Product: HAN Access Point

Model No.: AP521

Brand Name: HAN NETWORKS, HANNETWORKS

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

ISED Rule(s): ICES-003 Issue 7 (October 15, 2020)
RSS-Gen Issue 5

Test Procedure: ANSI C63.4 - 2014

Result: Complies

Received Date: 2024-08-13

Test Date: 2024-10-27 ~ 2024-12-18

Reviewed By:

Vincent Yu

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.

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
2412RSU039-U8	V01	Initial Report	2024-12-31	Valid

Note: This report is a copy report based on MRT original report (Report No.: 2408RSU020-U8). Only applicant& manufacture information and product information (name, model and brand name) has changed in this report.

CONTENTS

Description	Page
1. General Information	4
1.1. Applicant.....	4
1.2. Manufacturer	4
1.3. Testing Facility	4
1.4. Product Information	5
2. Test Configuration	6
2.1. Test Mode	6
2.2. Configuration of Tested System.....	6
2.3. EMI Suppression Device(s)/Modifications	8
3. Measuring Instrument	9
4. Decision Rules and Measurement Uncertainty.....	11
4.1. Decision Rules	11
4.2. Measurement Uncertainty	11
5. Test Result	12
5.1. Summary	12
5.2. Conducted Emission	13
5.2.1. Test Limit	13
5.2.2. Test Setup	13
5.2.3. Test Result.....	14
5.3. Radiated Emission	28
5.3.1. Test Limit	28
5.3.2. Test Setup	29
5.3.3. Test Result.....	30
Appendix A - Test Setup Photograph	30
Appendix B - EUT Photograph	73

1. General Information

1.1. Applicant

HAN Networks Co., Ltd.

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

1.2. Manufacturer

HAN Networks Co., Ltd.

01-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 Location (Suzhou - Wujiang) Building 1, No.1 Xingdong Road, Wujiang, Suzhou, Jiangsu, People's Republic of China
	Laboratory Accreditations
	A2LA: 3628.01 FCC: CN1166 VCCI: ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104
	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
	CNAS: L10551 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: 3261 FCC: 291082, TW3261
	ISED: TW3261

1.4. Product Information

Product Name	HAN Access Point
Model No.	AP521
EUT Identification No.	20240819Sample#17 (Mode 1) 20241104Sample#02 (Mode 2) 20240819Sample#16 & 20240819Sample#17 (Mode 3 ~ 7)
Wi-Fi Specification	802.11a/b/g/n/ac/ax/be
Zigbee Specification	802.15.4
Bluetooth Specification	V5.1 Single Mode
Power Type	AC/DC Adapter Input or PoE Input
Operating Environment	Indoor Use
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 (ALE P/N: POE60U-1BT-X-R) Input: 100-240V ~ 1.5A, 50/60Hz Output: 56.0V, 0.535A, 30W PIN 3, 6+ PIN 1, 2 Return Output: 56.0V, 0.535A, 30W PIN 4, 5+ PIN 7, 8 Return
Notes:	
1. The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	
2. AC/DC Adapter and PoE Injector are not sold with product.	

2. Test Configuration

2.1. Test Mode

Mode 1: AP521 powered by adapter + Ethernet port connect to computer via LAN cable + Connect to mobile phone via 2.4G/5G/6G Wi-Fi + Connect to mobile phone via BLE + Plug USB flash and make it reading/writing.

Mode 2: AP521 powered by PoE and connect to notebook via LAN cable + Connect to mobile phone via 2.4G/5G/6G Wi-Fi + Connect to signal generator via Zigbee + Plug USB flash and make it reading/writing.

Mode 3: AP521 powered by adapter Ethernet port connect to computer via LAN cable + Plug USB flash + Make EUT in 2.4GHz Wi-Fi receiving mode.

Mode 4: AP521 powered by adapter Ethernet port connect to computer via LAN cable + Plug USB flash + Make EUT in 5GHz Wi-Fi receiving mode.

Mode 5: AP521 powered by adapter Ethernet port connect to computer via LAN cable + Plug USB flash + Make EUT in 6GHz Wi-Fi receiving mode.

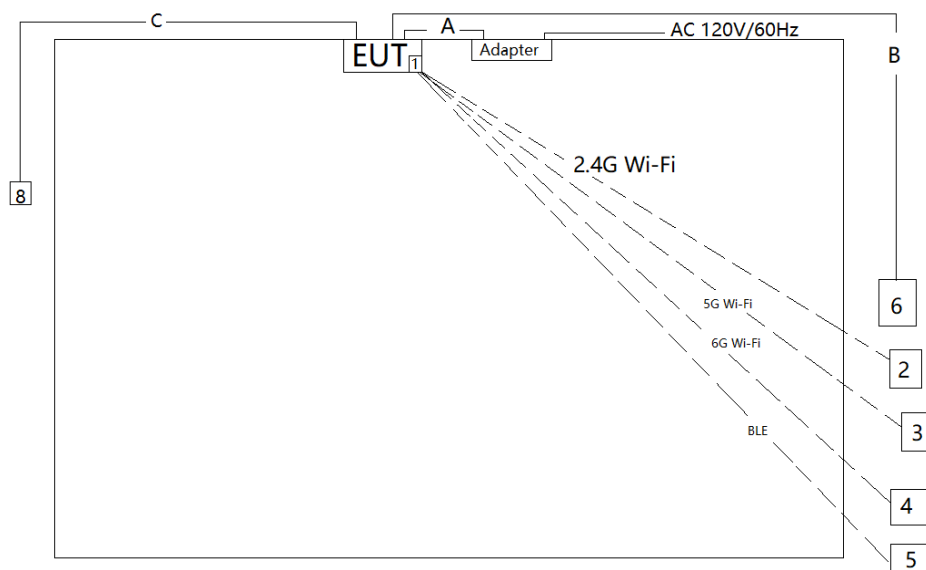
Mode 6: AP521 powered by adapter Ethernet port connect to computer via LAN cable + Plug USB flash + Make EUT in BLE receiving mode.

Mode 7: AP521 powered by adapter Ethernet port connect to computer via LAN cable + Plug USB flash + Make EUT in Zigbee receiving mode.

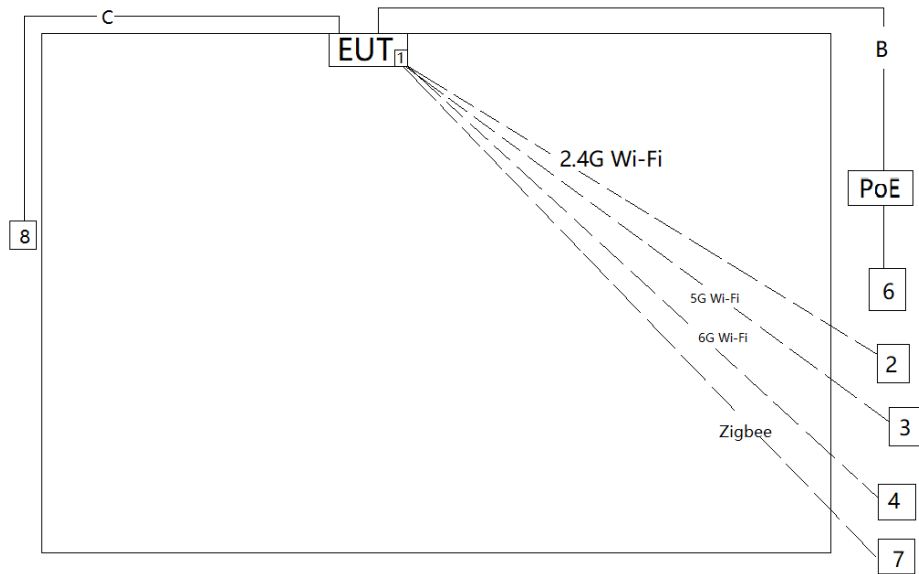
2.2. Configuration of Tested System

The measurement procedures and appropriate EUT setup described in the ANSI C63.4-2014 was used in the measurement.

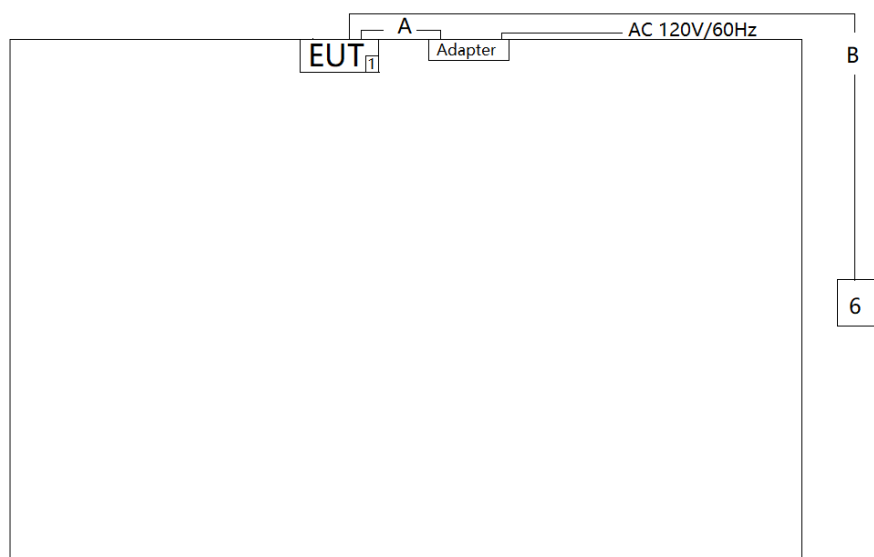
Mode 1



Mode 2



Mode 3 ~ 7



No.	Cable Type	Cable Spec.	Length
A	DC Power Cable	Shielding	1.6m
B	LAN Cable	Non-Shielding, Cat 6	>10.0m
C	LAN Cable	Non-Shielding, Cat 5e	>10.0m
No.	Product	Manufacturer	Model No.
1	USB Flash	Samsung	64G
2	Mobile Phone	Apple	iPhone 6S
3	Mobile Phone	Apple	iPhone 13
4	Mobile Phone	VIVO	X90 Pro
5	Mobile Phone	OPPO	X9009

6	Computer	HP	ZHAN 66
7	Signal Generator	R&S	SMU200A
8	Notebook	Lenovo	Thinkbook16

2.3. EMI Suppression Device(s)/Modifications

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

3. Measuring Instrument

Instrument Name	Manufacturer	Model No.	Asset No.	Cali. Interval	Cal. Due Date	Test Site
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2025-12-05	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2025-07-26	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06024	1 year	2025-09-23	WZ-AC1
Preamplifier	Agilent	83017A	MRTSUE06076	1 year	2025-11-08	WZ-AC1
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2025-05-15	WZ-AC1
Anechoic Chamber	TDK	WZ-AC1	MRTSUE06212	1 year	2025-04-19	WZ-AC1
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2025-10-13	WZ-AC1
Thermohygrometer	testo	608-H1	MRTSUE11039	1 year	2025-10-16	WZ-AC1
Preamplifier	EMCI	EMC184045SE	MRTSUE06640	1 year	2025-01-11	WZ-AC1
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2025-04-17	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2025-05-08	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2025-09-23	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2025-05-06	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2025-04-18	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2025-10-16	WZ-AC2
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2025-05-08	WZ-SR2
Shielding Room	MIX-BEP	WZ-SR2	MRTSUE06215	5 years	2026-12-20	WZ-SR2
Thermohygrometer	testo	608-H1	MRTSUE06404	1 year	2025-05-12	WZ-SR2
EMI Test Receiver	R&S	ESR3	MRTSUE06909	1 year	2025-09-05	WZ-SR2
Four-Line V-Network	R&S	ENV432	MRTSUE06615	1 year	2025-09-05	WZ-SR2
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2025-06-06	SIP-AC3
Horn Antenna	R&S	HF907	MRTSUE06611	1 year	2025-07-07	SIP-AC3
Thermohygrometer	testo	608-H1	MRTSUE06619	1 year	2025-10-16	SIP-AC3
Preamplifier	EMCI	EMC012645SE	MRTSUE06642	1 year	2025-01-11	SIP-AC3
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06646	1 year	2025-07-29	SIP-AC3
Anechoic Chamber	RIKEN	SIP-AC3	MRTSUE06782	1 year	2025-12-20	SIP-AC3
Preamplifier	EMCI	EMC184045SE	MRTSUE06602	1 year	2025-10-08	SIP-AC3
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06599	1 year	2025-09-08	SIP-AC3
Signal Analyzer	Keysight	N9010B	MRTSUE06603	1 year	2025-09-05	SIP-AC3
Signal Analyzer	Keysight	N9020B	MRTSUE06604	1 year	2025-02-03	SIP-AC3
Two-Line V-Network	R&S	ENV216	MRTSUE06003	1 year	2025-05-08	SIP-SR2
EMI Test Receiver	R&S	ESR3	MRTSUE06612	1 year	2025-05-08	SIP-SR2
Thermohygrometer	testo	608-H1	MRTSUE06621	1 year	2025-10-29	SIP-SR2
Shielding Room	MIX-BEP	SIP-SR2	MRTSUE06949	5 years	2029-10-13	SIP-SR2
Four-Line V-Network	R&S	ENV432	MRTSUE06614	1 year	2025-10-13	SIP-SR2

Software	Version	Function
e3	230711	RE & CE
Controller_MF 7802	2.03C	RE Antenna & turntable
Controller_MF 7802	1.02	RE Antenna & Turntable
Controller_MF 7802BS	1.02	RE Antenna & Turntable

4. Decision Rules and Measurement Uncertainty

4.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.
(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.2. 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: 3.02dB 150kHz~30MHz: 2.56dB
Radiated Emission Measurement
The maximum measurement uncertainty is evaluated as: Horizontal: 30MHz~200MHz: 3.46dB 200MHz~1GHz: 3.78dB 1GHz~40GHz: 4.97dB Vertical: 30MHz~200MHz: 4.07dB 200MHz~1GHz: 5.28dB 1GHz~40GHz: 4.78dB

5. Test Result

5.1. Summary

FCC Part Section(s)	ISED Section(s)	Test Description	Result
15.107	ICES-003 - 3.2.1 RSS-Gen - 7.2	Conducted Emission	Pass
15.109	ICES-003 - 3.2.2 RSS-Gen - 7.3	Radiated Emission	Pass

Note: All test data in this report refer to the test data from FCC ID: 2A19TOAW-AP152X.

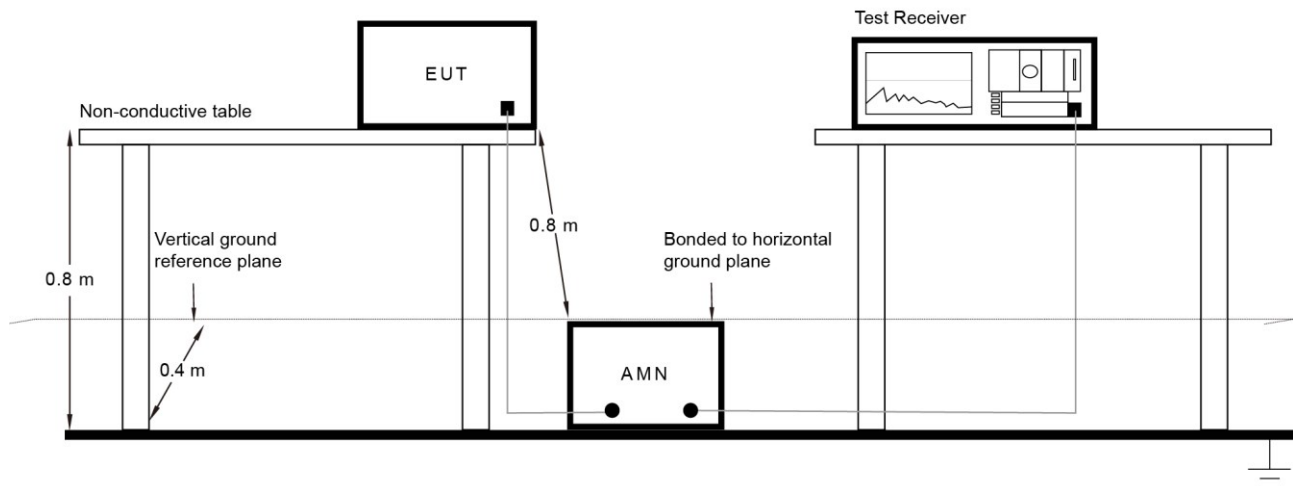
5.2. Conducted Emission

5.2.1. Test Limit

FCC Part 15.107 / ICES-003 Conducted Emission Limits				
Frequency Range (MHz)	Class A Limits		Class B Limits	
	QP dB(μV)	AV dB(μV)	QP dB(μV)	AV dB(μV)
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

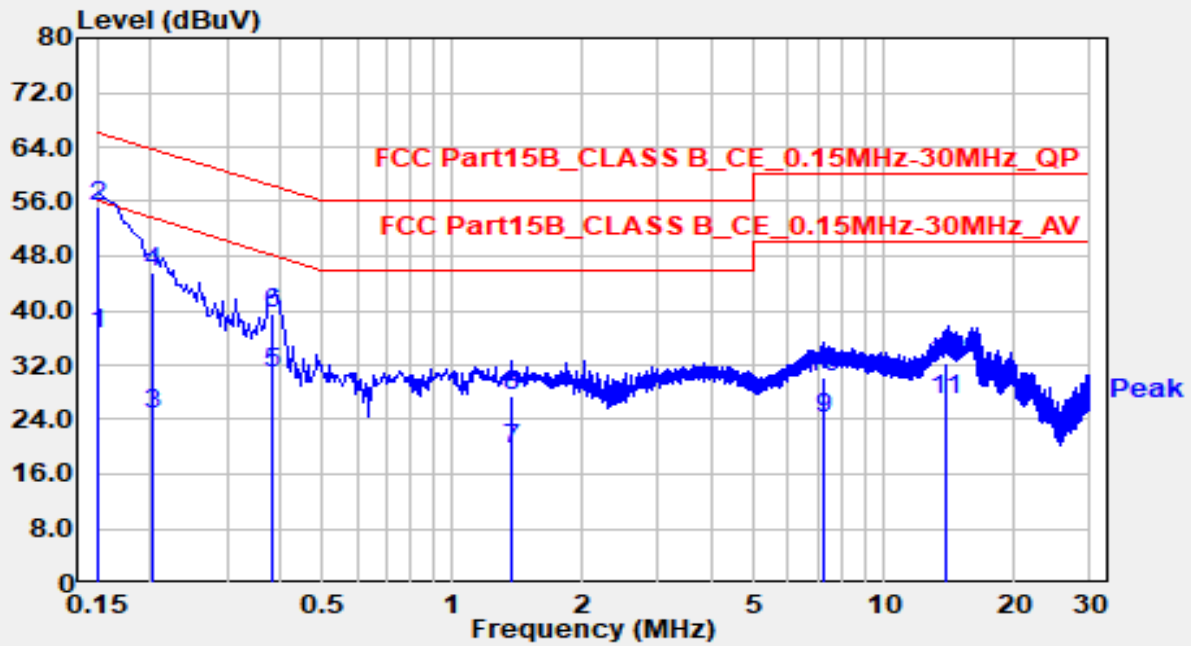
RSS-Gen Receiver Conducted Emission Limits		
Frequency Range (MHz)	QP dB(μV)	AV dB(μV)
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

5.2.2. Test Setup



5.2.3. Test Result

Site	WZ-SR2	Test Date	2024-10-28
Test Engineer	Linda Wei	Temp./Humidity	22.8°C/66.0%
Factor	ENV216_101683_L1_Filter Off_C	Polarity	Line
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 1, Power Port		

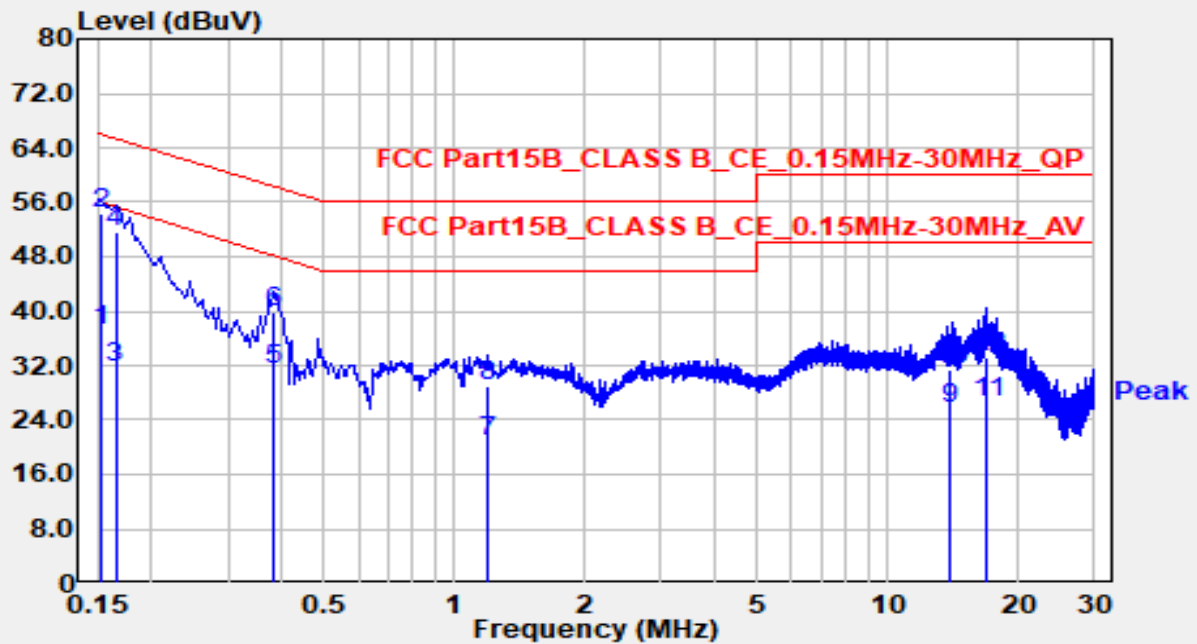


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.150	26.70	9.82	36.52	-19.48	56.00	Average
2	*	0.150	45.30	9.82	55.12	-10.88	66.00	QP
3		0.202	14.80	9.82	24.62	-28.91	53.53	Average
4		0.202	35.70	9.82	45.52	-18.01	63.53	QP
5		0.384	20.80	9.88	30.68	-17.51	48.19	Average
6		0.384	29.60	9.88	39.48	-18.71	58.19	QP
7		1.370	9.60	10.12	19.72	-26.28	46.00	Average
8		1.370	17.30	10.12	27.42	-28.58	56.00	QP
9		7.200	13.90	10.26	24.16	-25.84	50.00	Average
10		7.200	20.00	10.26	30.26	-29.74	60.00	QP
11		13.850	16.40	10.50	26.90	-23.10	50.00	Average
12		13.850	21.80	10.50	32.30	-27.70	60.00	QP

Notes:

- "*", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	WZ-SR2	Test Date	2024-10-28
Test Engineer	Linda Wei	Temp./Humidity	22.8°C/66.0%
Factor	ENV216_101683_N_Filter Off_C	Polarity	Neutral
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 1, Power Port		

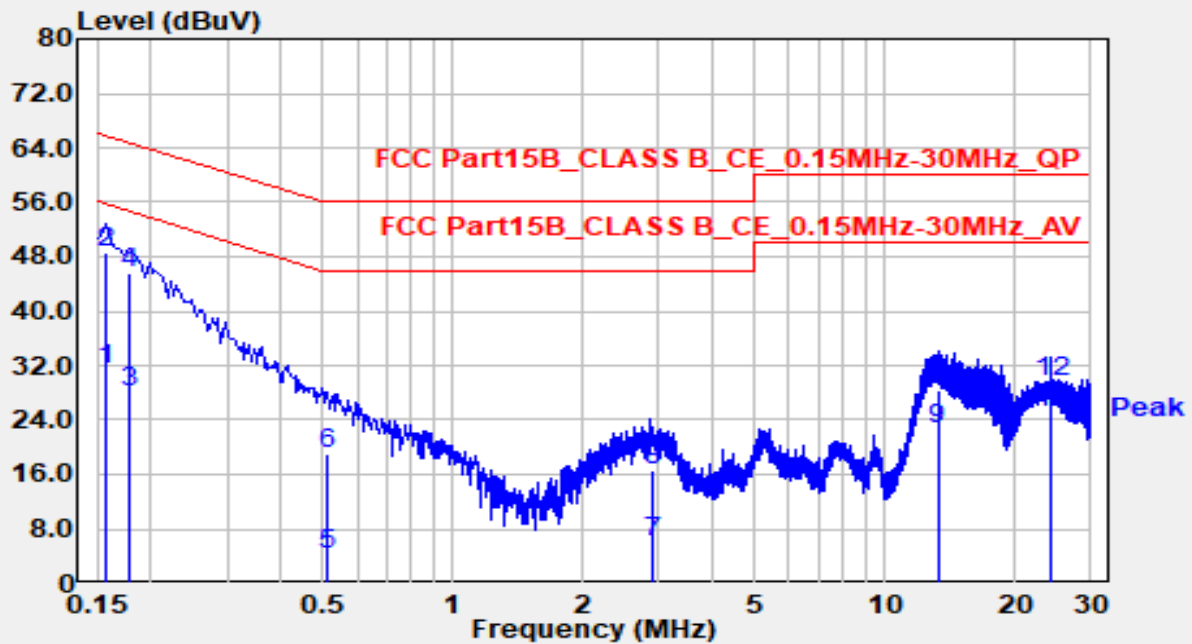


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.152	27.00	10.13	37.13	-18.76	55.89	Average
2	*	0.152	44.10	10.13	54.23	-11.66	65.89	QP
3		0.165	21.50	10.12	31.62	-23.59	55.21	Average
4		0.165	41.60	10.12	51.72	-13.49	65.21	QP
5		0.383	21.20	10.13	31.33	-16.88	48.21	Average
6		0.383	29.60	10.13	39.73	-18.48	58.21	QP
7		1.200	10.30	10.38	20.68	-25.32	46.00	Average
8		1.200	18.50	10.38	28.88	-27.12	56.00	QP
9		13.860	15.00	10.77	25.77	-24.23	50.00	Average
10		13.860	20.70	10.77	31.47	-28.53	60.00	QP
11		16.940	15.70	10.98	26.68	-23.32	50.00	Average
12		16.940	22.30	10.98	33.28	-26.72	60.00	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	WZ-SR2	Test Date	2024-11-04
Test Engineer	Linda Wei	Temp./Humidity	22.5°C/65.2%
Factor	ENV216_101683_L1_Filter Off_C	Polarity	Line
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 2, Power Port		

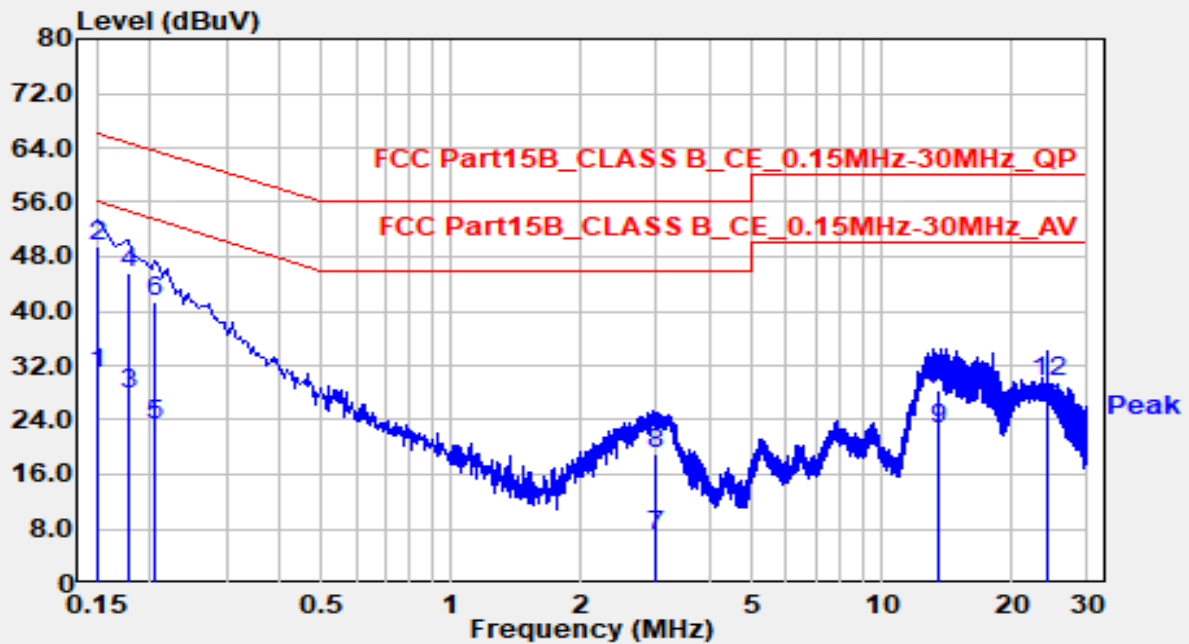


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.158	21.60	9.82	31.42	-24.15	55.57	Average
2	*	0.158	38.80	9.82	48.62	-16.95	65.57	QP
3		0.178	18.40	9.82	28.22	-26.36	54.58	Average
4		0.178	35.70	9.82	45.52	-19.06	64.58	QP
5		0.514	-5.60	9.93	4.33	-41.67	46.00	Average
6		0.514	9.20	9.93	19.13	-36.87	56.00	QP
7		2.900	-4.00	10.15	6.15	-39.85	46.00	Average
8		2.900	6.40	10.15	16.55	-39.45	56.00	QP
9		13.260	12.30	10.48	22.78	-27.22	50.00	Average
10		13.260	18.00	10.48	28.48	-31.52	60.00	QP
11		24.140	14.10	10.89	24.99	-25.01	50.00	Average
12		24.140	18.60	10.89	29.49	-30.51	60.00	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	WZ-SR2	Test Date	2024-11-04
Test Engineer	Linda Wei	Temp./Humidity	22.5°C/65.2%
Factor	ENV216_101683_N_Filter Off_C	Polarity	Neutral
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 2, Power Port		

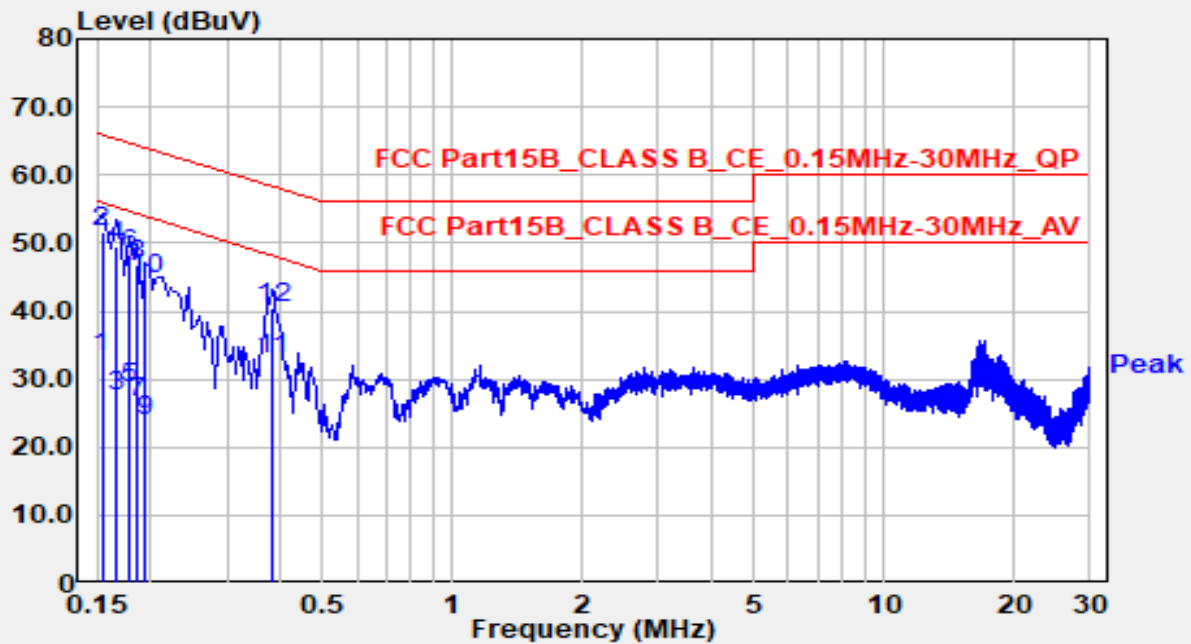


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.150	20.80	10.13	30.93	-25.07	56.00	Average
2	*	0.150	39.50	10.13	49.63	-16.37	66.00	QP
3		0.178	17.80	10.11	27.91	-26.66	54.58	Average
4		0.178	35.40	10.11	45.51	-19.06	64.58	QP
5		0.204	13.20	10.10	23.30	-30.14	53.45	Average
6		0.204	31.40	10.10	41.50	-21.94	63.45	QP
7		2.980	-3.50	10.41	6.91	-39.10	46.00	Average
8		2.980	8.60	10.41	19.01	-37.00	56.00	QP
9		13.530	11.80	10.76	22.56	-27.44	50.00	Average
10		13.530	17.70	10.76	28.46	-31.54	60.00	QP
11		24.140	14.50	11.13	25.63	-24.37	50.00	Average
12		24.140	18.40	11.13	29.53	-30.47	60.00	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	SIP-SR2	Test Date	2024-11-12
Test Engineer	Henry Wang	Temp./Humidity	22.1°C/60.6%
Factor	SIP-SR2-ENV216_101684_C	Polarity	Line
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 3, Power Port		

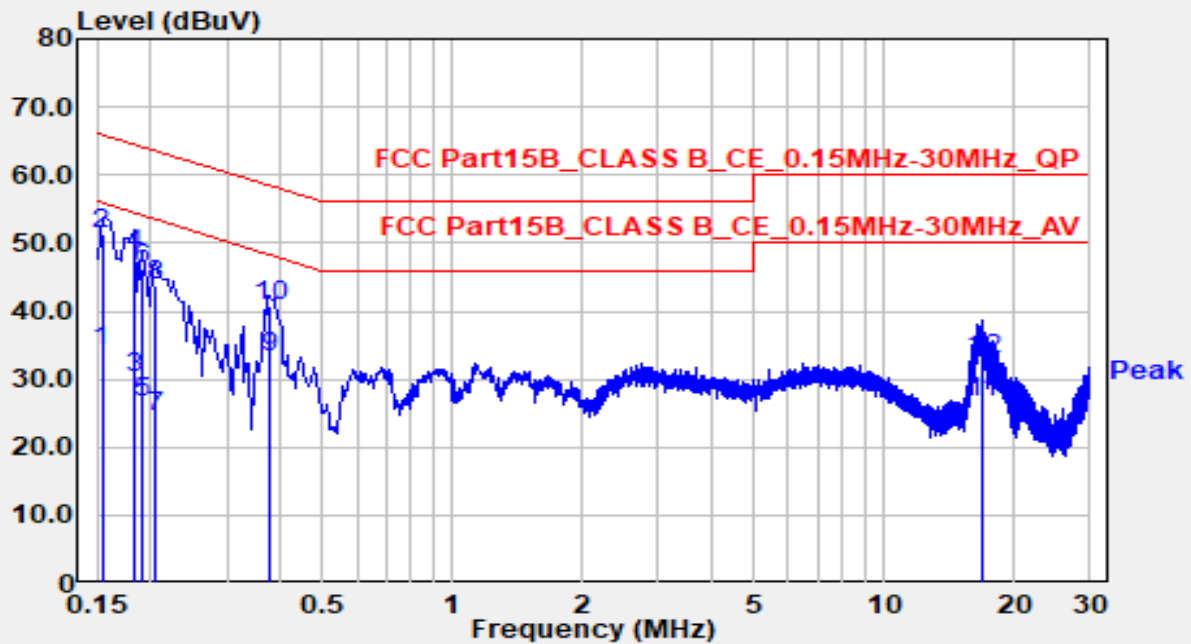


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.154	23.57	9.65	33.22	-22.56	55.78	Average
2	*	0.154	42.01	9.65	51.66	-14.12	65.78	QP
3		0.166	17.83	9.66	27.49	-27.67	55.16	Average
4		0.166	39.73	9.66	49.38	-15.78	65.16	QP
5		0.178	19.16	9.66	28.82	-25.76	54.58	Average
6		0.178	38.54	9.66	48.19	-16.38	64.58	QP
7		0.186	16.98	9.67	26.65	-27.57	54.21	Average
8		0.186	37.22	9.67	46.89	-17.33	64.21	QP
9		0.194	14.05	9.68	23.73	-30.14	53.86	Average
10		0.194	35.02	9.68	44.70	-19.17	63.86	QP
11		0.382	23.10	9.74	32.84	-15.40	48.24	Average
12		0.382	30.79	9.74	40.53	-17.71	58.24	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	SIP-SR2	Test Date	2024-11-12
Test Engineer	Henry Wang	Temp./Humidity	22.1°C/60.6%
Factor	SIP-SR2-ENV216_101684_C	Polarity	Neutral
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 3, Power Port		

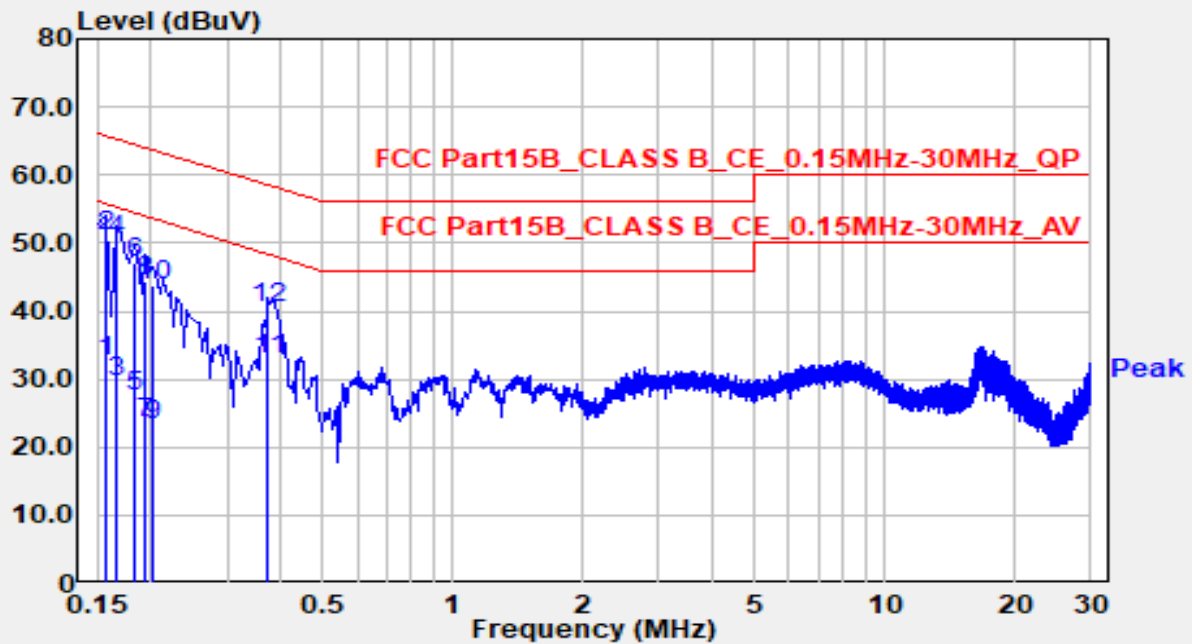


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.154	24.38	9.68	34.06	-21.72	55.78	Average
2	*	0.154	41.79	9.68	51.47	-14.31	65.78	QP
3		0.182	20.37	9.68	30.05	-24.34	54.39	Average
4		0.182	38.66	9.68	48.35	-16.05	64.39	QP
5		0.190	16.77	9.69	26.47	-27.57	54.04	Average
6		0.190	36.53	9.69	46.22	-17.81	64.04	QP
7		0.206	14.62	9.72	24.34	-29.03	53.37	Average
8		0.206	34.04	9.72	43.76	-19.61	63.37	QP
9		0.378	23.45	9.76	33.21	-15.12	48.32	Average
10		0.378	31.03	9.76	40.78	-17.54	58.32	QP
11		16.817	16.36	10.21	26.57	-23.43	50.00	Average
12		16.817	22.56	10.21	32.78	-27.22	60.00	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	SIP-SR2	Test Date	2024-11-12
Test Engineer	Henry Wang	Temp./Humidity	22.1°C/60.6%
Factor	SIP-SR2-ENV216_101684_C	Polarity	Line
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 4, Power Port		

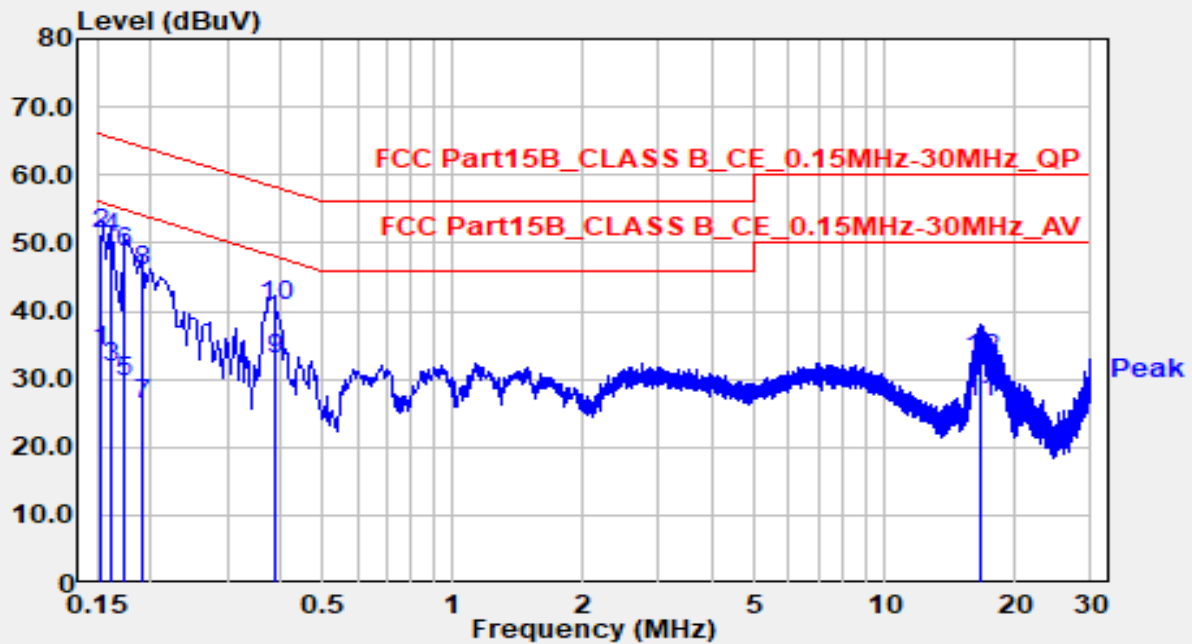


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.158	22.94	9.65	32.59	-22.98	55.57	Average
2	*	0.158	41.47	9.65	51.12	-14.45	65.57	QP
3		0.166	20.07	9.66	29.72	-25.44	55.16	Average
4		0.166	40.88	9.66	50.54	-14.62	65.16	QP
5		0.182	17.87	9.66	27.54	-26.86	54.39	Average
6		0.182	37.49	9.66	47.15	-17.24	64.39	QP
7		0.194	13.74	9.68	23.42	-30.44	53.86	Average
8		0.194	34.67	9.68	44.35	-19.51	63.86	QP
9		0.202	13.60	9.69	23.29	-30.24	53.53	Average
10		0.202	34.02	9.69	43.71	-19.82	63.53	QP
11		0.374	23.12	9.74	32.86	-15.56	48.41	Average
12		0.374	30.70	9.74	40.43	-17.98	58.41	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	SIP-SR2	Test Date	2024-11-12
Test Engineer	Henry Wang	Temp./Humidity	22.1°C/60.6%
Factor	SIP-SR2-ENV216_101684_C	Polarity	Neutral
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 4, Power Port		

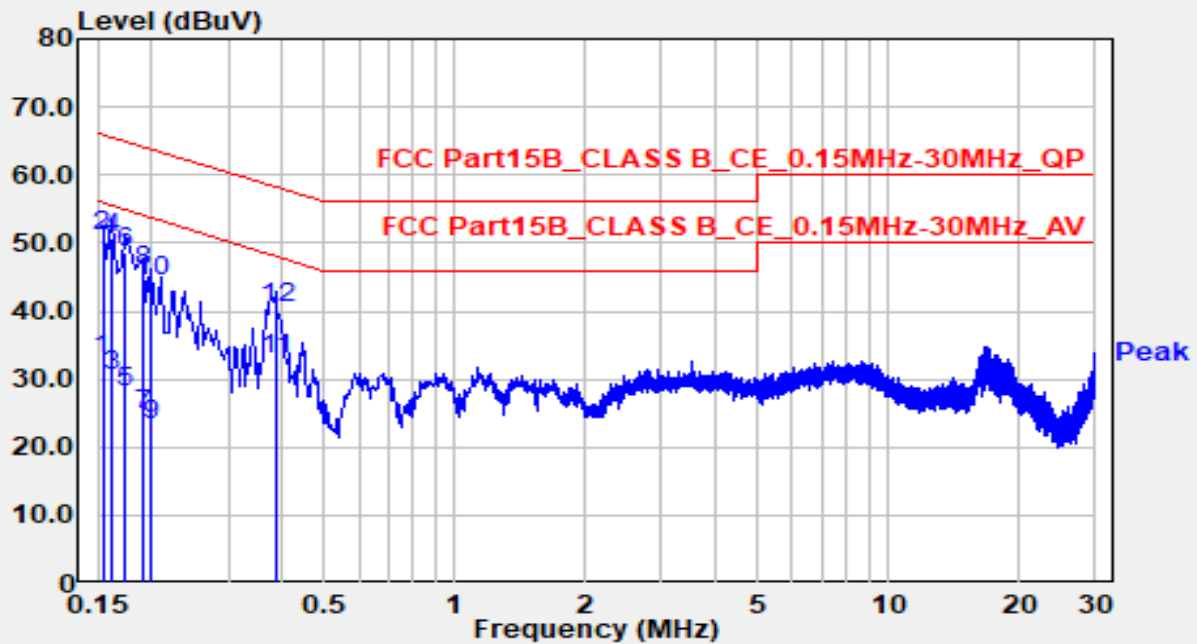


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.154	24.33	9.68	34.01	-21.78	55.79	Average
2	*	0.154	41.68	9.68	51.36	-14.43	65.79	QP
3		0.162	22.05	9.68	31.73	-23.64	55.36	Average
4		0.162	41.16	9.68	50.84	-14.52	65.36	QP
5		0.174	19.90	9.68	29.58	-25.19	54.77	Average
6		0.174	39.06	9.68	48.74	-16.02	64.77	QP
7		0.190	16.60	9.69	26.29	-27.75	54.04	Average
8		0.190	36.34	9.69	46.03	-18.00	64.04	QP
9		0.385	23.27	9.76	33.03	-15.13	48.16	Average
10		0.385	31.04	9.76	40.80	-17.36	58.16	QP
11		16.581	16.48	10.21	26.69	-23.31	50.00	Average
12		16.581	22.66	10.21	32.87	-27.13	60.00	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	SIP-SR2	Test Date	2024-11-12
Test Engineer	Henry Wang	Temp./Humidity	22.1°C/60.6%
Factor	SIP-SR2-ENV216_101684_C	Polarity	Line
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 5, Power Port		

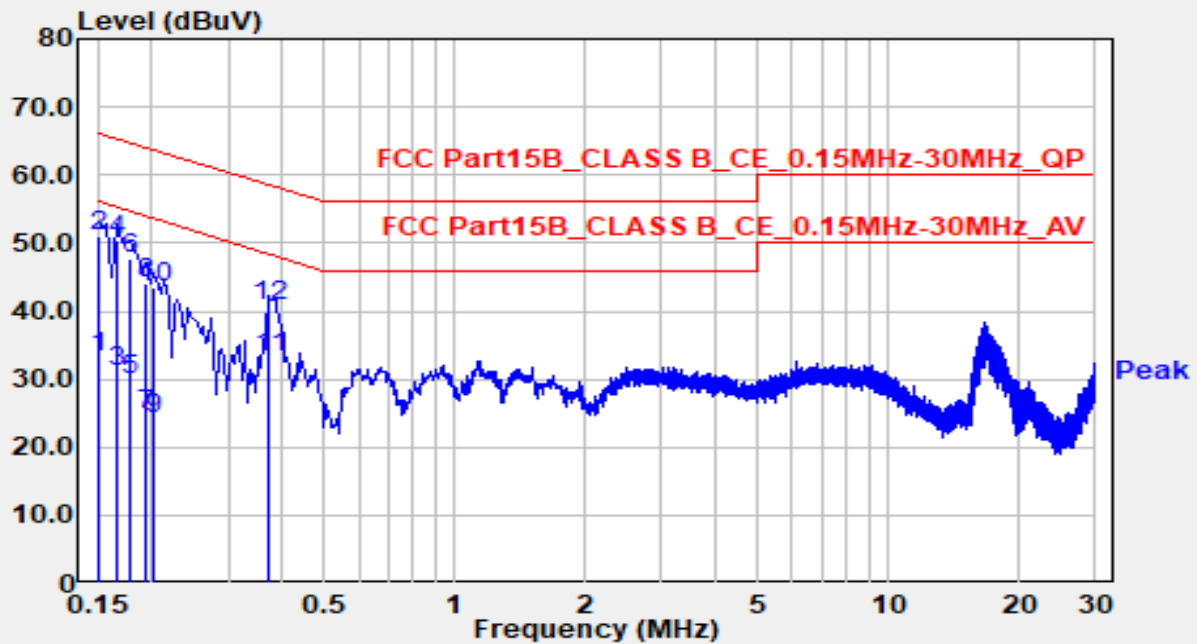


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.154	23.19	9.65	32.84	-22.94	55.78	Average
2	*	0.154	41.48	9.65	51.13	-14.65	65.78	QP
3		0.162	20.85	9.65	30.51	-24.85	55.36	Average
4		0.162	41.02	9.65	50.67	-14.69	65.36	QP
5		0.174	18.49	9.66	28.15	-26.62	54.77	Average
6		0.174	38.90	9.66	48.55	-16.22	64.77	QP
7		0.190	15.10	9.67	24.77	-29.26	54.04	Average
8		0.190	36.20	9.67	45.88	-18.16	64.04	QP
9		0.198	13.62	9.68	23.30	-30.39	53.69	Average
10		0.198	34.55	9.68	44.24	-19.46	63.69	QP
11		0.386	23.23	9.74	32.97	-15.18	48.15	Average
12		0.386	30.77	9.74	40.51	-17.64	58.15	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	SIP-SR2	Test Date	2024-11-12
Test Engineer	Henry Wang	Temp./Humidity	22.1°C/60.6%
Factor	SIP-SR2-ENV216_101684_C	Polarity	Neutral
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 5, Power Port		

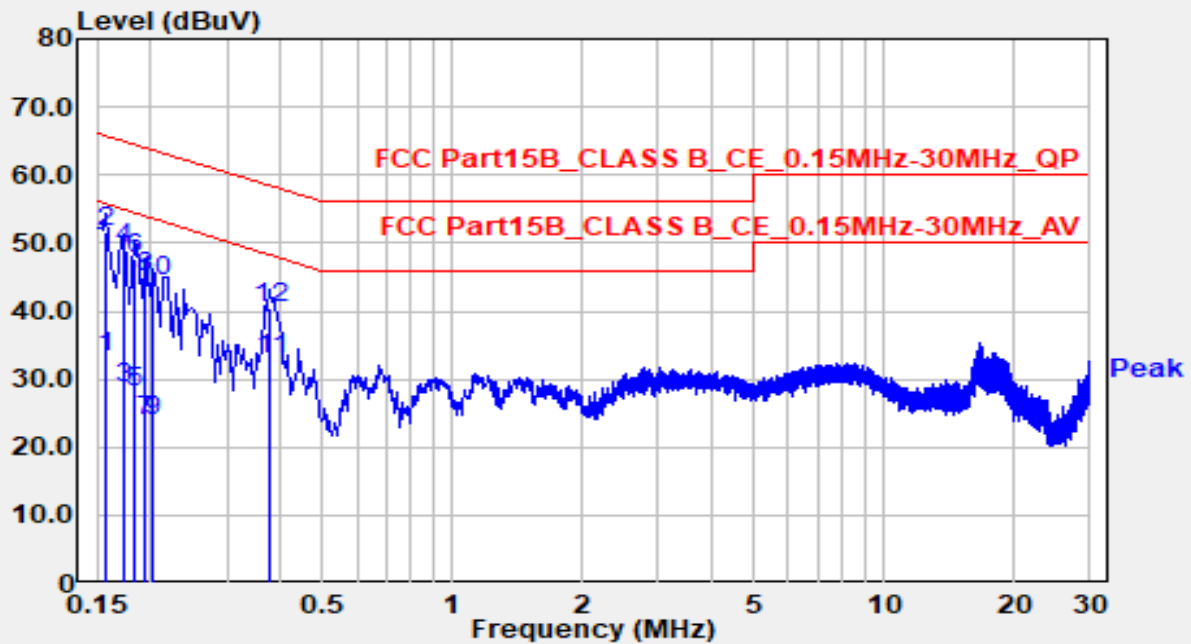


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.150	23.52	9.68	33.21	-22.79	56.00	Average
2		0.150	41.27	9.68	50.95	-15.05	66.00	QP
3		0.166	21.46	9.68	31.14	-24.02	55.16	Average
4	*	0.166	40.65	9.68	50.33	-14.82	65.16	QP
5		0.178	20.10	9.68	29.78	-24.80	54.58	Average
6		0.178	37.89	9.68	47.57	-17.01	64.58	QP
7		0.194	14.93	9.70	24.63	-29.23	53.86	Average
8		0.194	34.45	9.70	44.15	-19.72	63.86	QP
9		0.202	14.53	9.71	24.24	-29.29	53.53	Average
10		0.202	33.76	9.71	43.47	-20.06	63.53	QP
11		0.374	23.48	9.76	33.23	-15.18	48.41	Average
12		0.374	31.05	9.76	40.80	-17.61	58.41	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	SIP-SR2	Test Date	2024-11-12
Test Engineer	Henry Wang	Temp./Humidity	22.1°C/60.6%
Factor	SIP-SR2-ENV216_101684_C	Polarity	Line
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 6, Power Port		

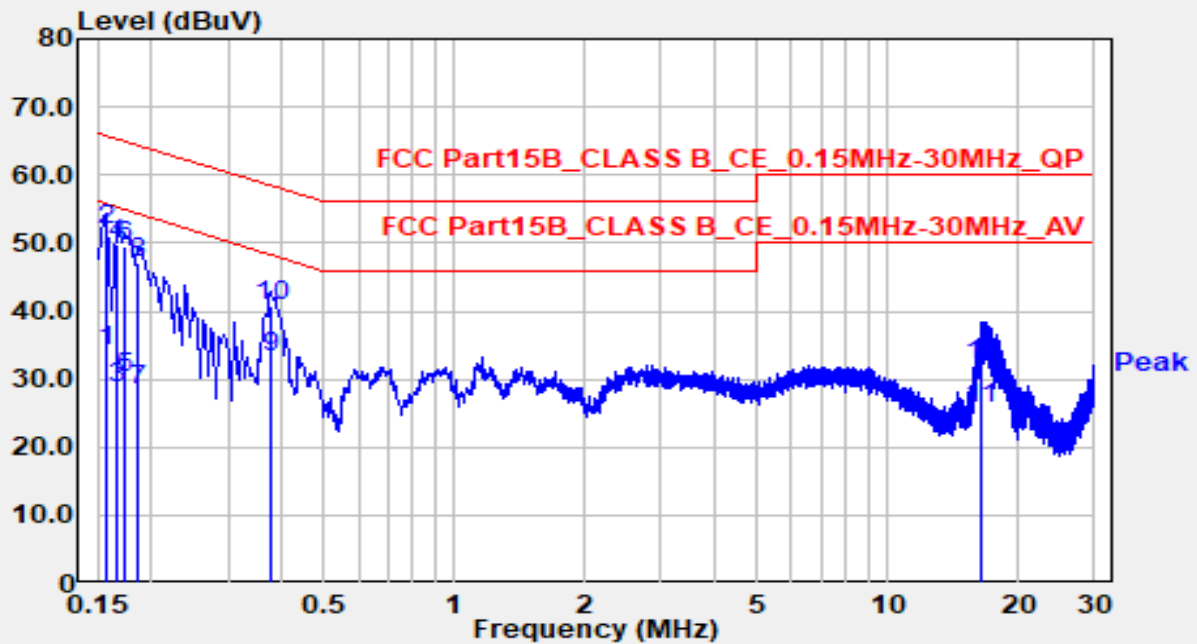


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.158	23.52	9.65	33.18	-22.39	55.57	Average
2	*	0.158	42.07	9.65	51.73	-13.84	65.57	QP
3		0.174	19.05	9.66	28.71	-26.06	54.77	Average
4		0.174	39.61	9.66	49.26	-15.50	64.77	QP
5		0.182	18.32	9.66	27.98	-26.41	54.39	Average
6		0.182	38.07	9.66	47.73	-16.66	64.39	QP
7		0.194	14.24	9.68	23.92	-29.94	53.86	Average
8		0.194	35.26	9.68	44.94	-18.93	63.86	QP
9		0.202	14.05	9.69	23.74	-29.79	53.53	Average
10		0.202	34.55	9.69	44.24	-19.29	63.53	QP
11		0.378	23.13	9.74	32.86	-15.46	48.32	Average
12		0.378	30.77	9.74	40.51	-17.82	58.32	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	SIP-SR2	Test Date	2024-11-12
Test Engineer	Henry Wang	Temp./Humidity	22.1°C/60.6%
Factor	SIP-SR2-ENV216_101684_C	Polarity	Neutral
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 6, Power Port		

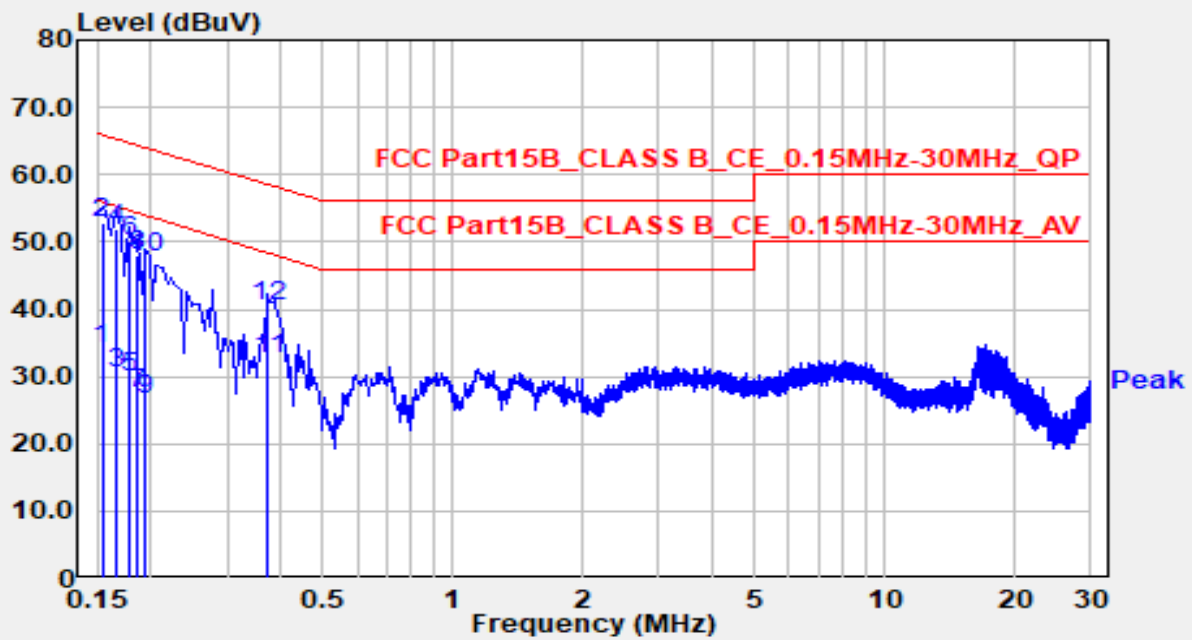


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.158	24.56	9.68	34.24	-21.33	55.57	Average
2	*	0.158	42.26	9.68	51.94	-13.63	65.57	QP
3		0.166	19.01	9.68	28.69	-26.47	55.16	Average
4		0.166	40.00	9.68	49.68	-15.48	65.16	QP
5		0.174	20.61	9.68	30.29	-24.48	54.77	Average
6		0.174	39.76	9.68	49.44	-15.33	64.77	QP
7		0.186	18.59	9.69	28.27	-25.94	54.21	Average
8		0.186	37.55	9.69	47.24	-16.98	64.21	QP
9		0.378	23.33	9.76	33.09	-15.23	48.32	Average
10		0.378	31.00	9.76	40.76	-17.56	58.32	QP
11		16.389	15.53	10.21	25.74	-24.26	50.00	Average
12		16.389	21.70	10.21	31.91	-28.09	60.00	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	SIP-SR2	Test Date	2024-11-12
Test Engineer	Henry Wang	Temp./Humidity	22.1°C/60.6%
Factor	SIP-SR2-ENV216_101684_C	Polarity	Line
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 7, Power Port		

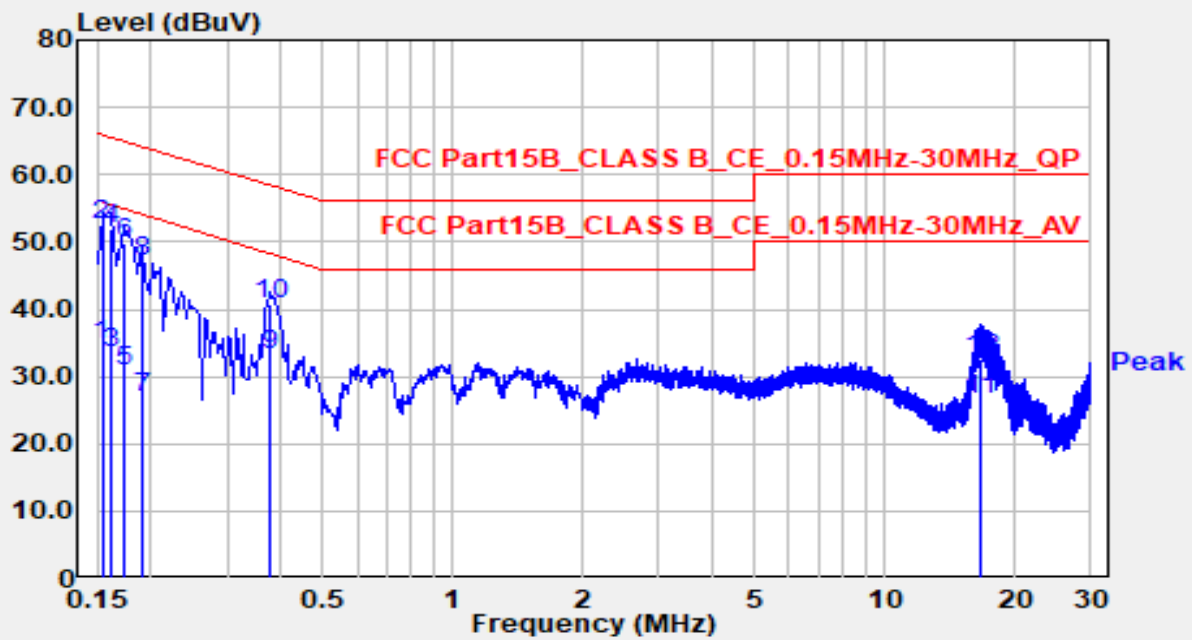


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.154	24.53	9.65	34.18	-21.60	55.78	Average
2	*	0.154	43.28	9.65	52.93	-12.85	65.78	QP
3		0.166	20.70	9.66	30.36	-24.80	55.16	Average
4		0.166	42.25	9.66	51.90	-13.26	65.16	QP
5		0.178	20.17	9.66	29.83	-24.75	54.58	Average
6		0.178	40.49	9.66	50.15	-14.43	64.58	QP
7		0.186	17.76	9.67	27.43	-26.78	54.21	Average
8		0.186	38.25	9.67	47.91	-16.30	64.21	QP
9		0.194	16.75	9.68	26.43	-27.43	53.86	Average
10		0.194	37.92	9.68	47.60	-16.26	63.86	QP
11		0.374	22.95	9.74	32.68	-15.73	48.41	Average
12		0.374	30.75	9.74	40.49	-17.92	58.41	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
3. Measurement (dBμV) = Reading (dBμV) + C.F (dB).

Site	SIP-SR2	Test Date	2024-11-12
Test Engineer	Henry Wang	Temp./Humidity	22.1°C/60.6%
Factor	SIP-SR2-ENV216_101684_C	Polarity	Neutral
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 7, Power Port		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Detector
1		0.154	24.95	9.68	34.63	-21.15	55.78	Average
2	*	0.154	42.74	9.68	52.42	-13.36	65.78	QP
3		0.162	23.76	9.68	33.44	-21.92	55.36	Average
4		0.162	42.27	9.68	51.95	-13.41	65.36	QP
5		0.174	21.02	9.68	30.70	-24.07	54.77	Average
6		0.174	40.14	9.68	49.82	-14.95	64.77	QP
7		0.190	17.22	9.69	26.91	-27.13	54.04	Average
8		0.190	37.31	9.69	47.00	-17.04	64.04	QP
9		0.378	23.30	9.76	33.06	-15.26	48.32	Average
10		0.378	30.86	9.76	40.62	-17.71	58.32	QP
11		16.569	16.25	10.21	26.46	-23.54	50.00	Average
12		16.569	22.40	10.21	32.61	-27.39	60.00	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB) = LISN Factor (dB) + Cable Loss (dB).
- Measurement (dBμV) = Reading (dBμV) + C.F (dB).

5.3. Radiated Emission

5.3.1. Test Limit

FCC Part 15.109 / RSS-Gen / ICES-003 Issue 7 - 3.2.2 Class B Limits			
Frequency (MHz)	Distance (m)	Level (dBμV/m)	Detector Function
30 - 88	3	40	Quasi-peak
88 - 216	3	43.5	Quasi-peak
216 - 230	3	46	Quasi-peak
230 - 960	3	46 / 47 Note 3	Quasi-peak
960 - 1000	3	54	Quasi-peak
Above 1000	3	54	Average
		74	Peak

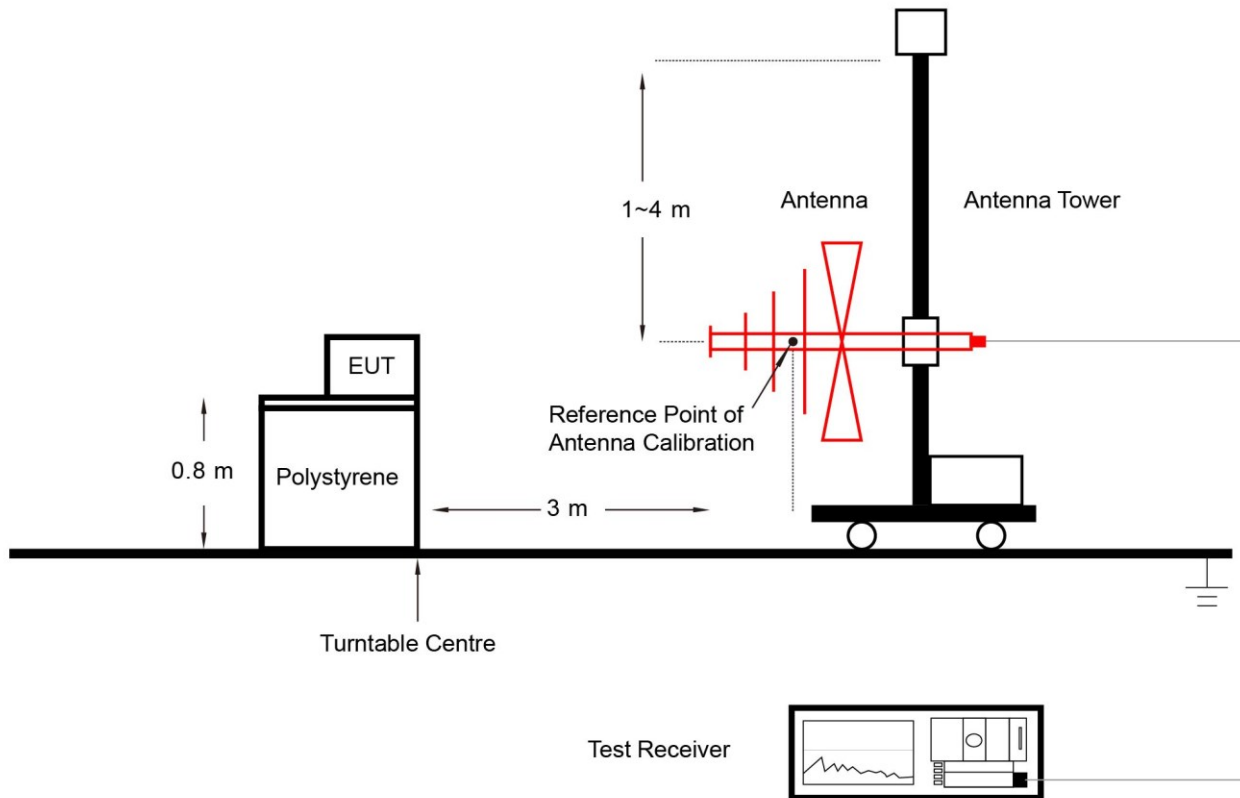
Note 1: The lower limit shall apply at the transition frequency.

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.

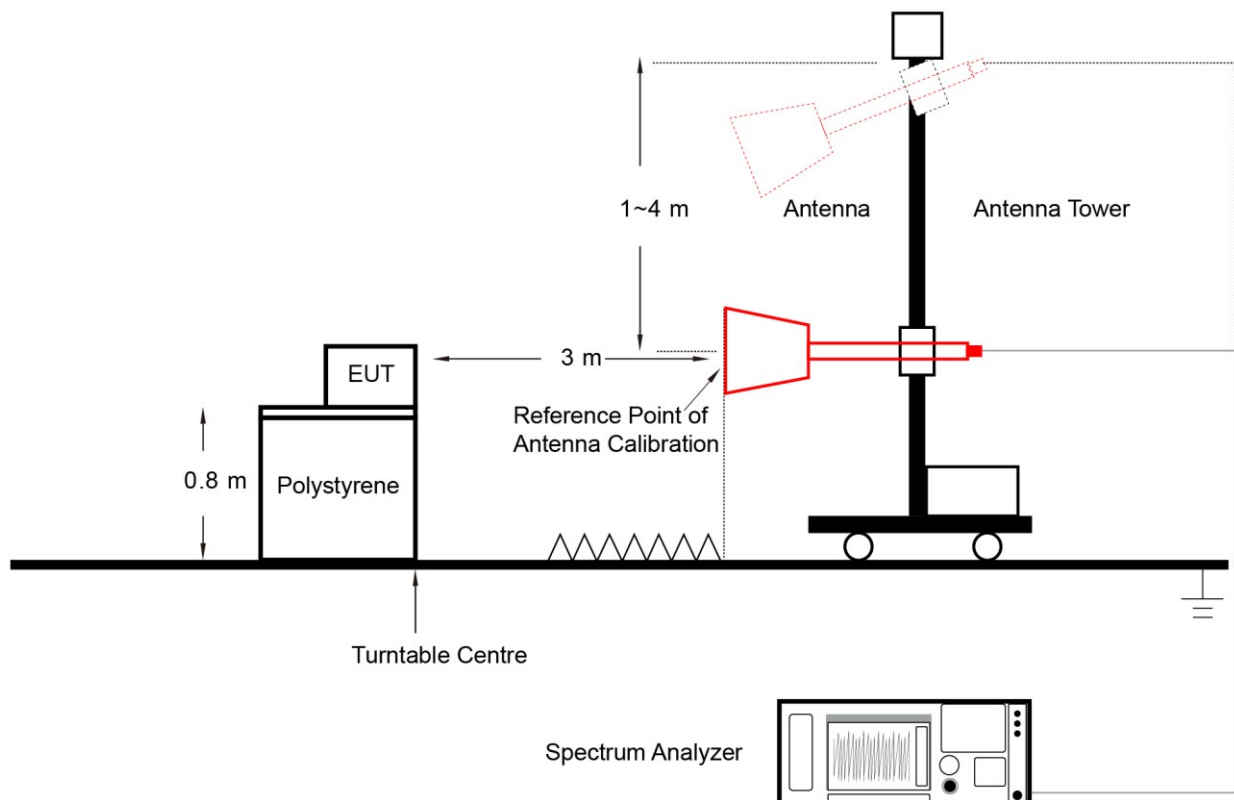
Note 3: In the range of 230MHz to 960MHz, the limit of FCC Part 15.109 is more stringent than the limit of ICES-003 Issue 7 and RSS-Gen, so only the limit of FCC Part 15.109 is shown in the test data.

5.3.2. Test Setup

Below 1GHz Test Setup:

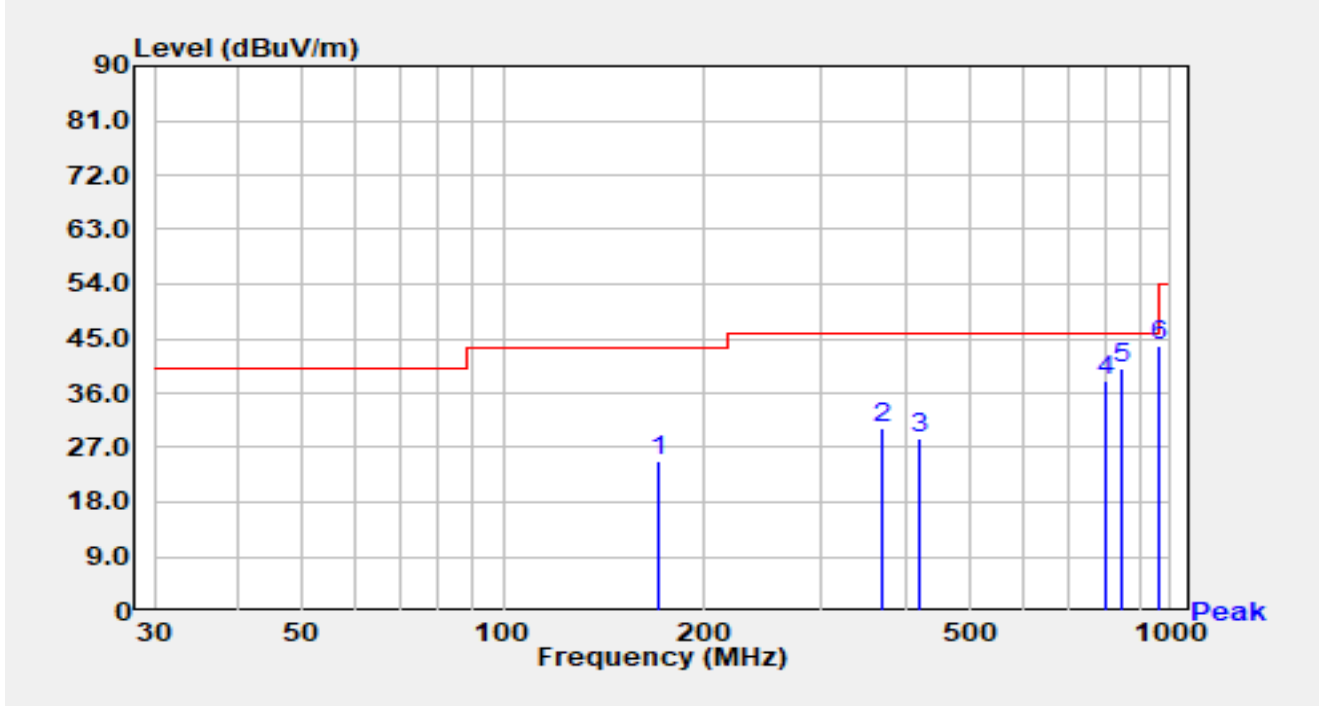


Above 1GHz Test Setup:



5.3.3. Test Result

Site	WZ-AC1	Test Date	2024-10-27
Test Engineer	Dick Shen	Temp./Humidity	26.1°C/53.2%
Factor	VULB 9168_25-1000MHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 1		

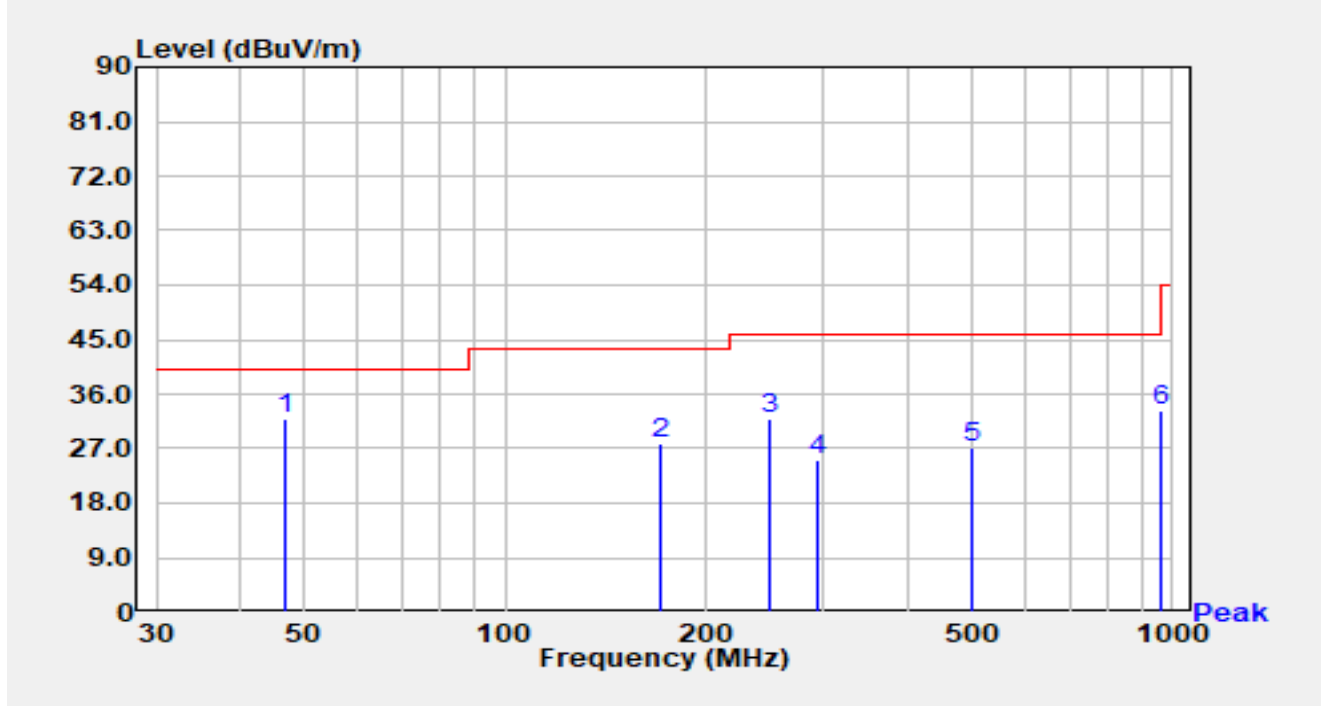


No	Mark	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Detector
1		171.453	6.82	18.11	24.93	-18.57	43.50	QP
2		368.628	9.76	20.47	30.23	-15.77	46.00	QP
3		422.058	6.79	21.87	28.66	-17.34	46.00	QP
4		800.101	8.49	29.38	37.87	-8.13	46.00	QP
5	*	841.539	10.41	29.59	40.00	-6.00	46.00	QP
6		961.700	13.10	30.82	43.92	-10.08	54.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBUV/m) = Reading(dBUV) + C.F (dB/m).

Site	WZ-AC1	Test Date	2024-10-27
Test Engineer	Dick Shen	Temp./Humidity	26.1°C/53.2%
Factor	VULB 9168_25-1000MHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 1		

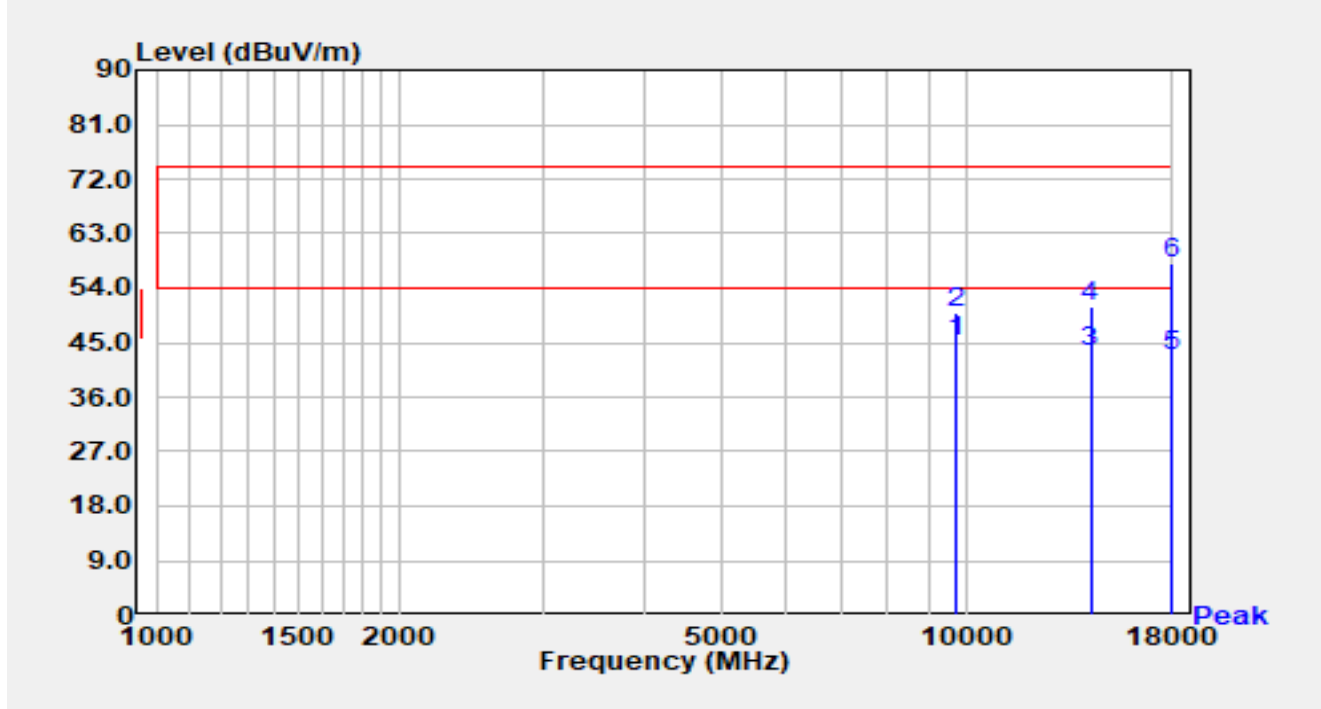


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	46.601	13.60	18.36	31.96	-8.04	40.00	QP
2		170.493	9.59	18.17	27.76	-15.74	43.50	QP
3		250.038	14.82	16.95	31.78	-14.22	46.00	QP
4		294.320	6.54	18.66	25.20	-20.80	46.00	QP
5		498.375	3.50	23.55	27.05	-18.95	46.00	QP
6		961.825	2.48	30.82	33.30	-20.70	54.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WZ-AC1	Test Date	2024-10-27
Test Engineer	Dick Shen	Temp./Humidity	26.1°C/53.2%
Factor	BBHA 9120D_1167_1-18GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 1		

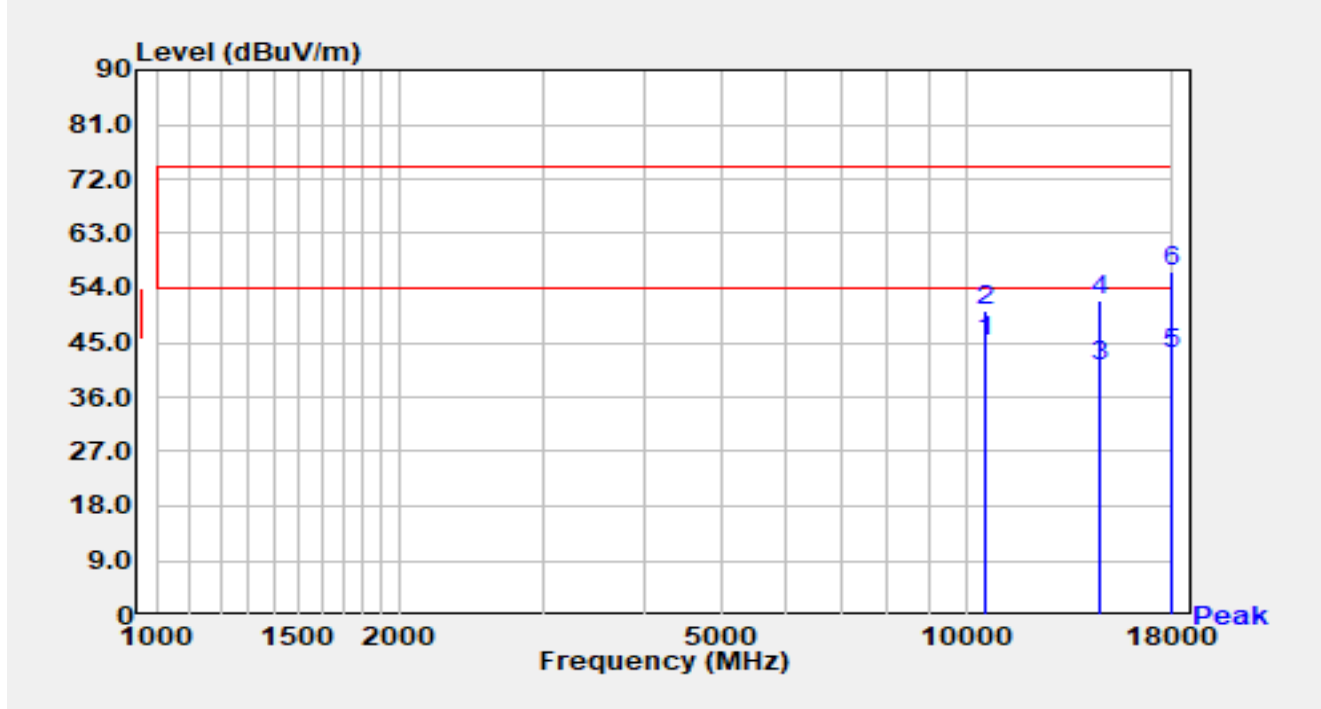


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	9690.400	31.20	14.04	45.24	-8.76	54.00	Average
2		9690.400	35.76	14.04	49.80	-24.20	74.00	Peak
3		14251.500	27.80	15.73	43.53	-10.47	54.00	Average
4		14251.500	35.08	15.73	50.82	-23.18	74.00	Peak
5		17935.400	21.00	21.95	42.95	-11.05	54.00	Average
6		17935.400	36.16	21.95	58.11	-15.89	74.00	Peak

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WZ-AC1	Test Date	2024-10-27
Test Engineer	Dick Shen	Temp./Humidity	26.1°C/53.2%
Factor	BBHA 9120D_1167_1-18GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 1		

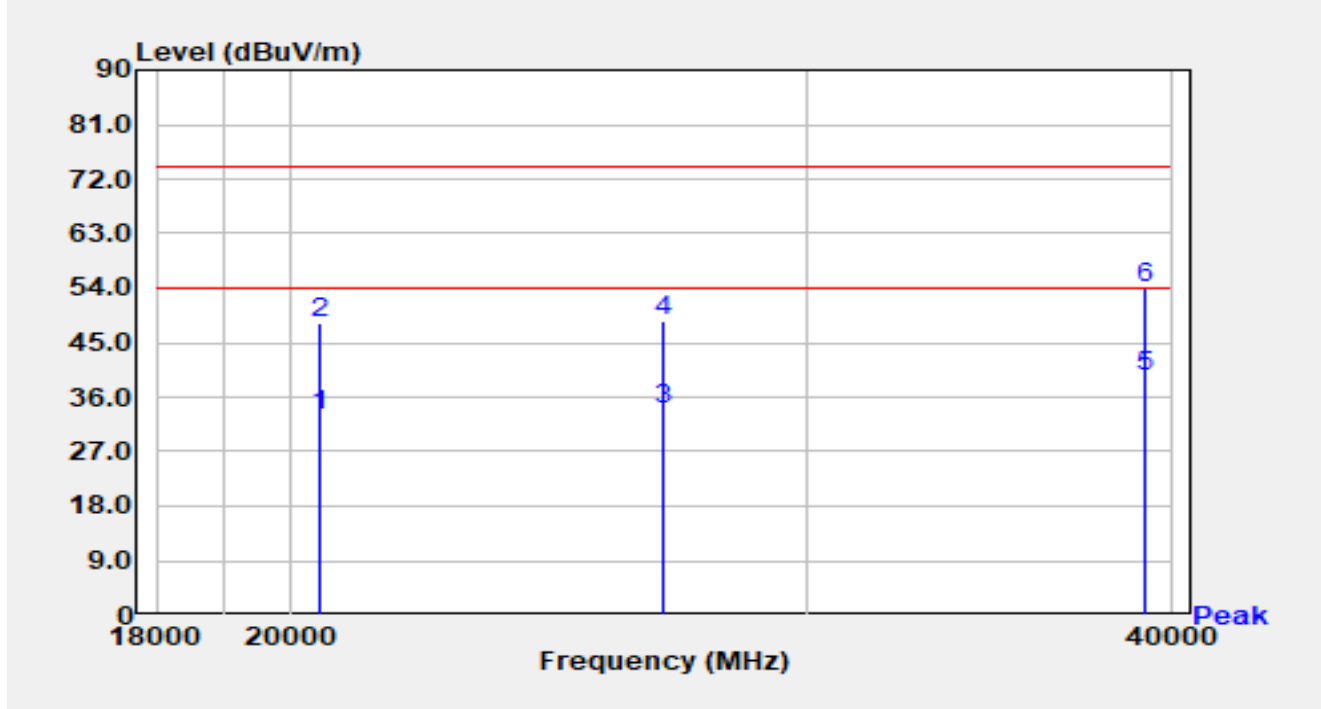


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	10538.700	30.32	14.89	45.21	-8.79	54.00	Average
2		10538.700	35.31	14.89	50.20	-23.80	74.00	Peak
3		14594.900	25.30	15.69	40.99	-13.01	54.00	Average
4		14594.900	36.15	15.69	51.85	-22.15	74.00	Peak
5		17996.600	20.56	22.59	43.15	-10.85	54.00	Average
6		17996.600	34.25	22.59	56.84	-17.16	74.00	Peak

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WZ-AC1	Test Date	2024-11-07
Test Engineer	Ajin Fan	Temp./Humidity	26.1°C/53.2%
Factor	BBHA 9170_549_18-40GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 1		

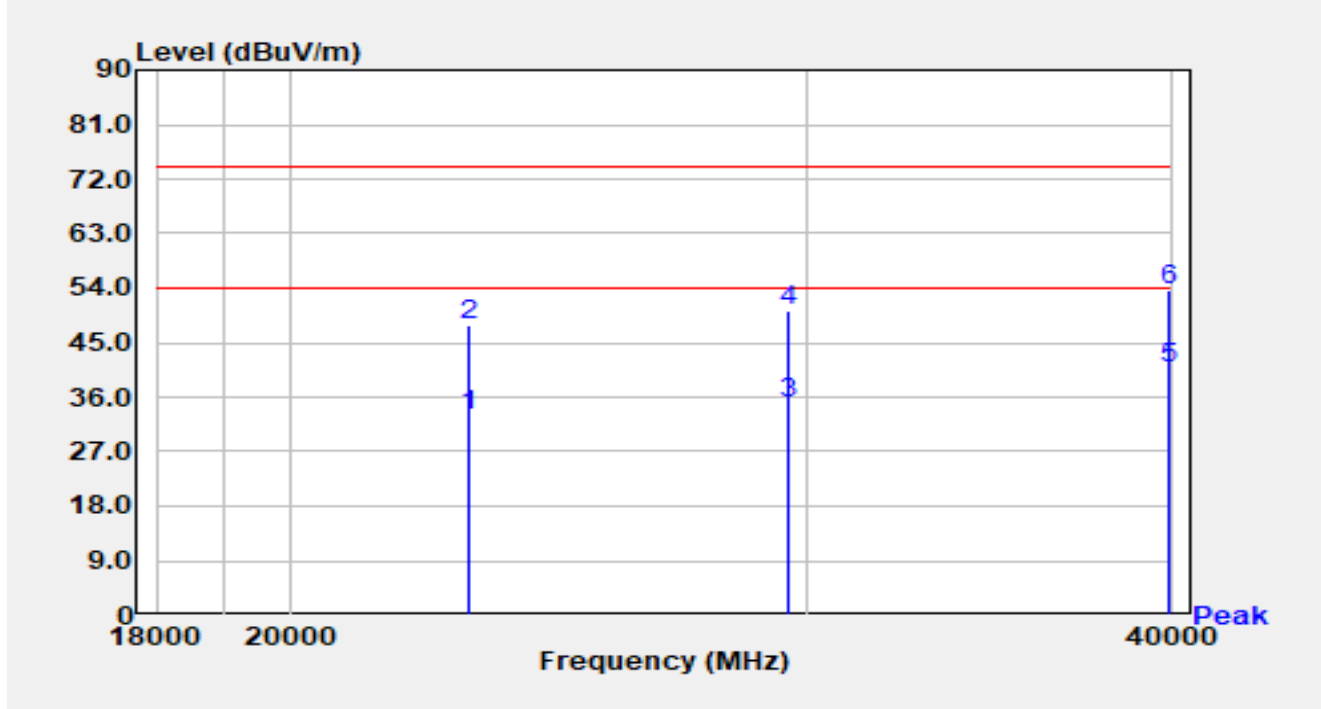


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		20457.400	42.10	-9.13	32.97	-21.03	54.00	Average
2		20457.400	57.35	-9.13	48.22	-25.78	74.00	Peak
3		26815.400	39.50	-5.48	34.02	-19.98	54.00	Average
4		26815.400	54.06	-5.48	48.59	-25.41	74.00	Peak
5	*	39111.200	40.40	-0.90	39.50	-14.50	54.00	Average
6		39111.200	54.87	-0.90	53.97	-20.03	74.00	Peak

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WZ-AC1	Test Date	2024-11-07
Test Engineer	Ajin Fan	Temp./Humidity	26.1°C/53.2%
Factor	BBHA 9170_549_18-40GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 1		

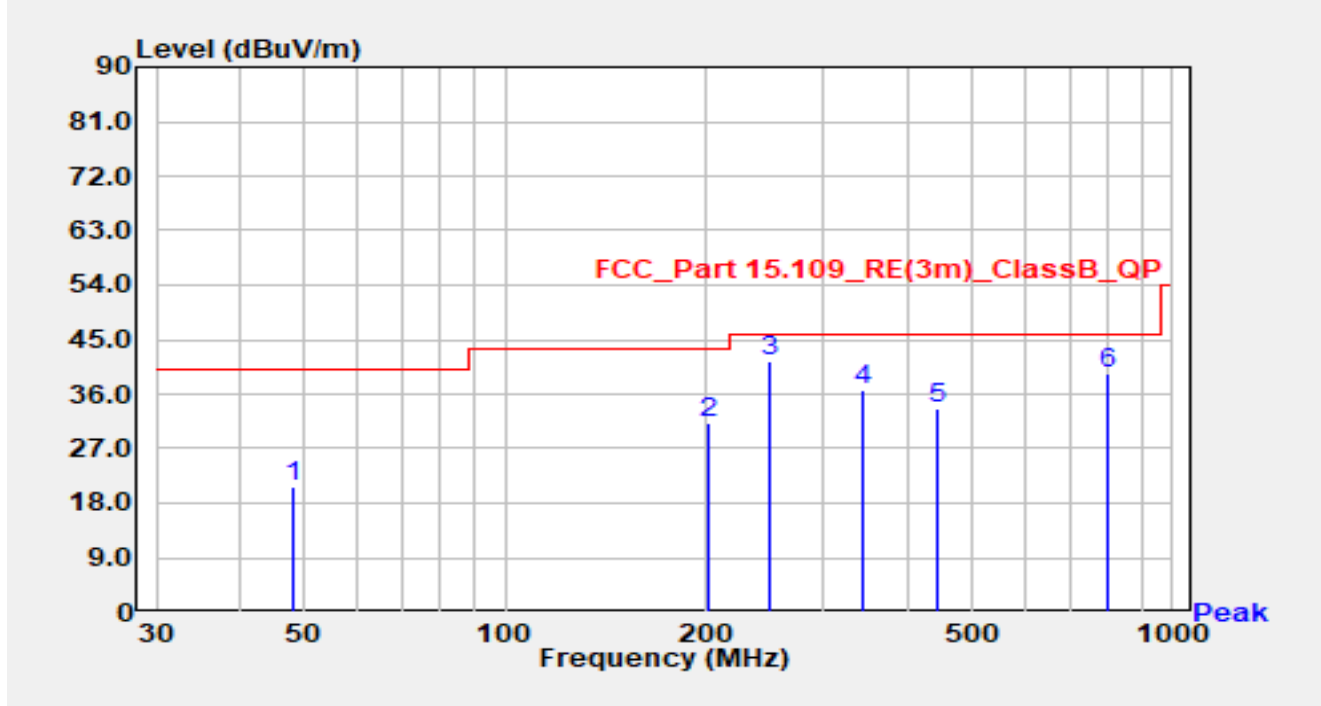


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		22991.800	39.60	-6.55	33.05	-20.95	54.00	Average
2		22991.800	54.34	-6.55	47.79	-26.21	74.00	Peak
3		29583.000	41.10	-6.03	35.07	-18.93	54.00	Average
4		29583.000	56.13	-6.03	50.10	-23.90	74.00	Peak
5	*	39859.200	40.80	-0.06	40.74	-13.26	54.00	Average
6		39859.200	53.76	-0.06	53.70	-20.30	74.00	Peak

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-11-05
Test Engineer	Ajin Fan	Temp./Humidity	25.8°C/25.8%
Factor	VULB 9162_30-7000MHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	By POE
Test Mode	Mode 2		

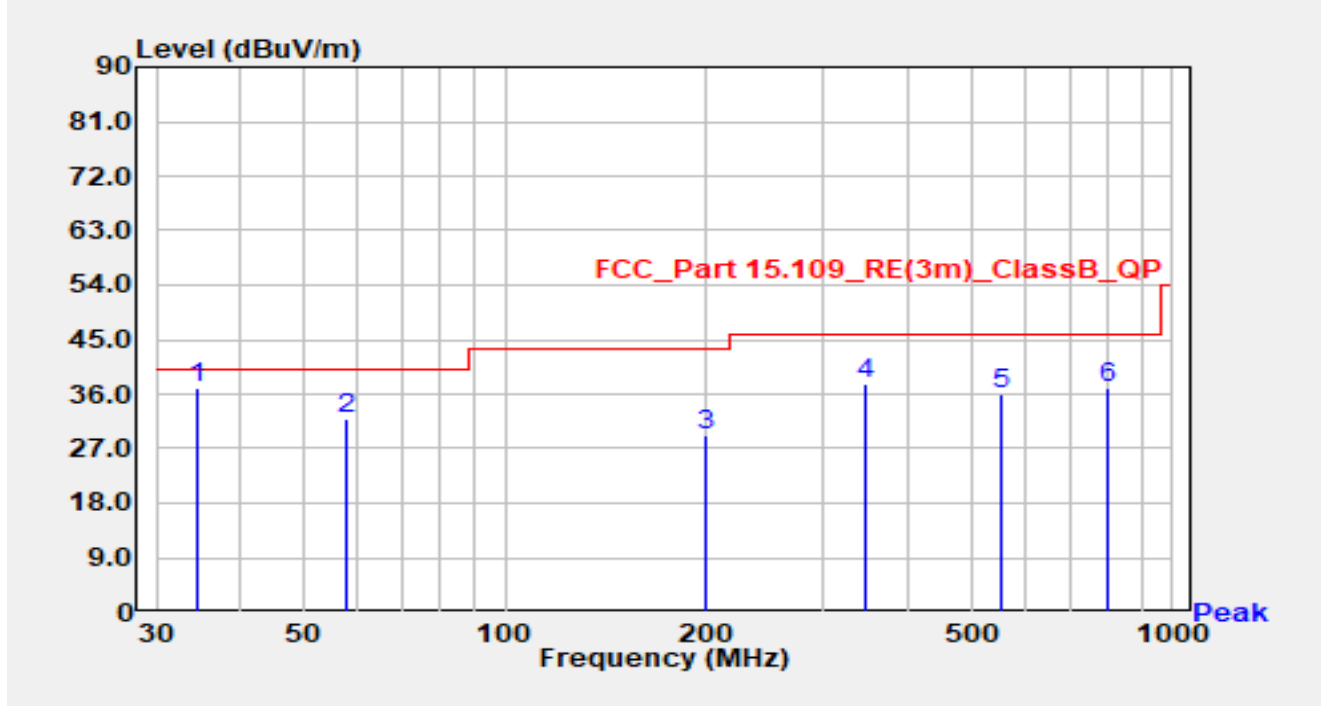


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		48.236	0.25	20.47	20.72	-19.28	40.00	QP
2		202.236	12.25	18.86	31.11	-12.39	43.50	QP
3	*	250.000	21.09	20.20	41.29	-4.71	46.00	QP
4		343.116	14.02	22.73	36.75	-9.25	46.00	QP
5		442.541	9.60	24.16	33.76	-12.24	46.00	QP
6		799.986	8.77	30.69	39.46	-6.54	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-11-05
Test Engineer	Ajin Fan	Temp./Humidity	25.8°C/25.8%
Factor	VULB 9162_30-7000MHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	By POE
Test Mode	Mode 2		

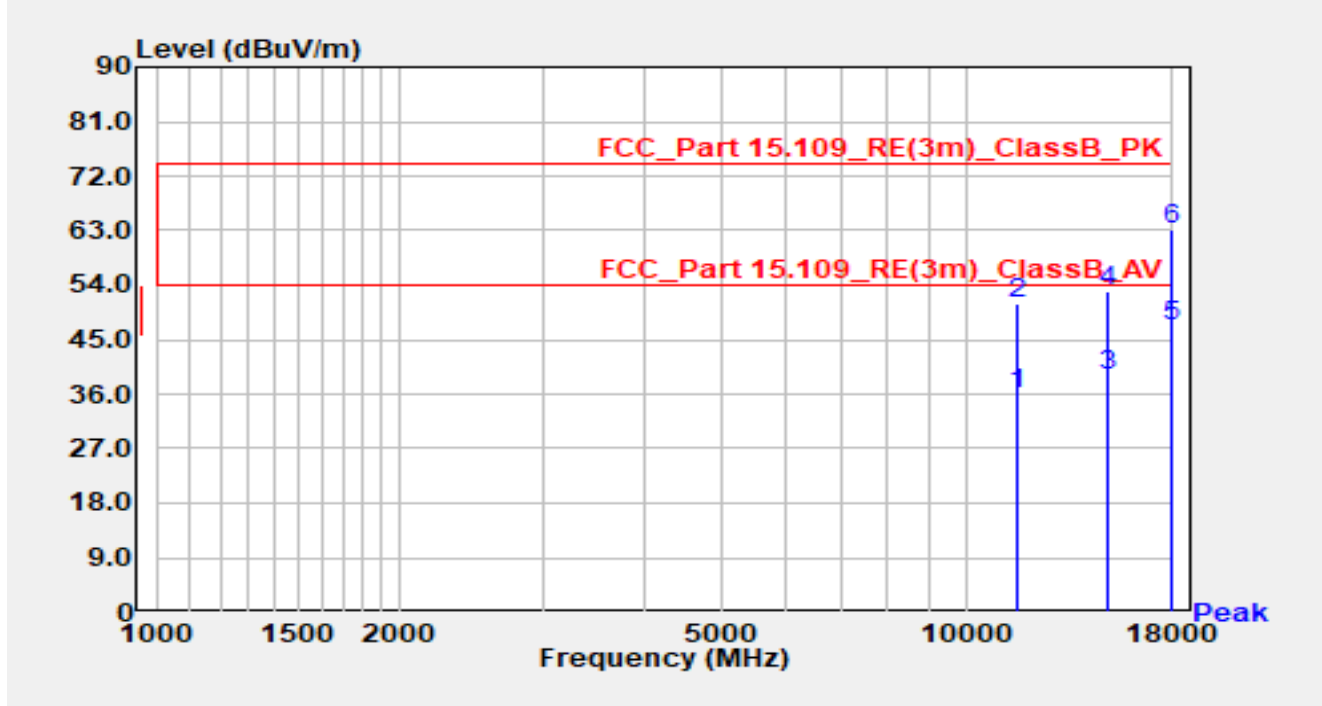


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	34.539	19.45	17.44	36.89	-3.11	40.00	QP
2		58.033	12.11	19.76	31.87	-8.13	40.00	QP
3		200.526	10.31	18.98	29.29	-14.21	43.50	QP
4		346.996	14.70	22.95	37.65	-8.35	46.00	QP
5		553.606	9.58	26.50	36.08	-9.92	46.00	QP
6		799.986	6.47	30.69	37.16	-8.84	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-11-05
Test Engineer	Ajin Fan	Temp./Humidity	25.8°C/25.8%
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	By POE
Test Mode	Mode 2		

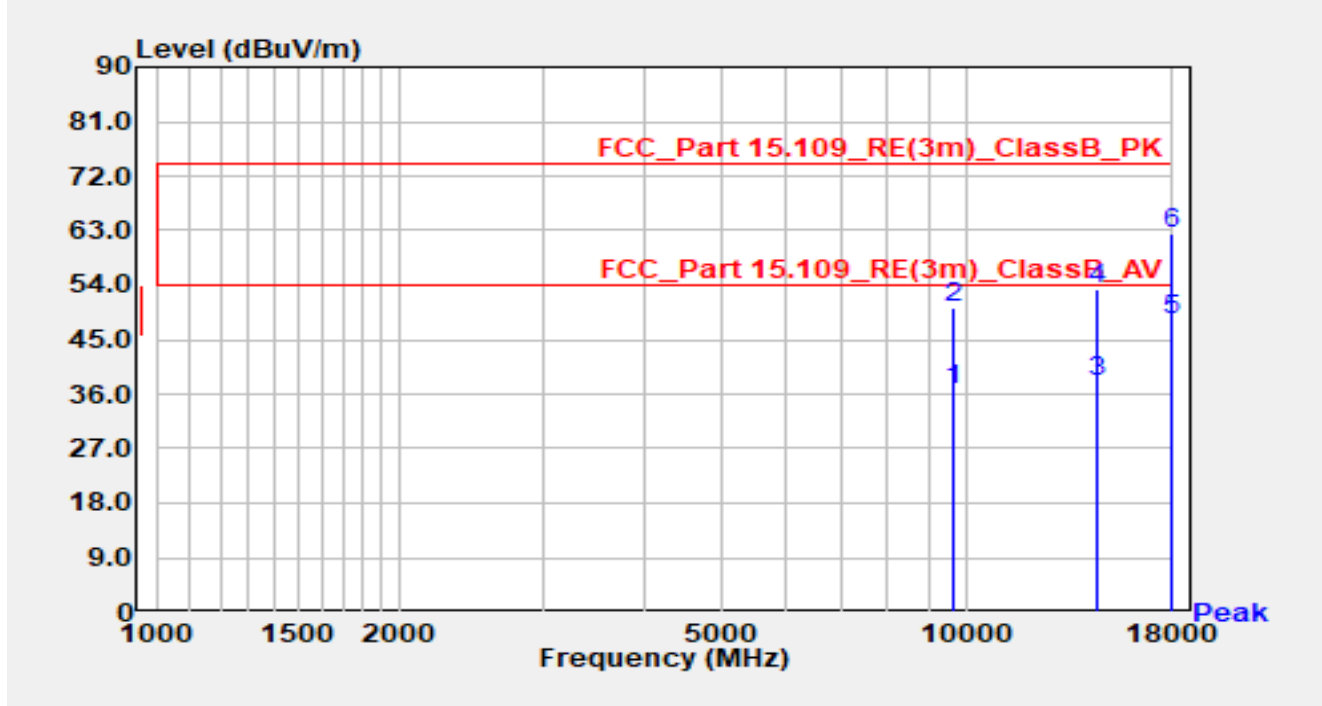


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		11572.300	18.89	17.06	35.95	-18.05	54.00	Average
2		11572.300	33.87	17.06	50.93	-23.07	74.00	Peak
3		14929.800	19.80	19.19	38.99	-15.01	54.00	Average
4		14929.800	33.82	19.19	53.01	-20.99	74.00	Peak
5	*	17962.600	19.35	27.95	47.30	-6.70	54.00	Average
6		17962.600	35.17	27.95	63.12	-10.88	74.00	Peak

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2024-11-05
Test Engineer	Ajin Fan	Temp./Humidity	25.8°C/25.8%
Factor	BBHA 9120D_1457_1-18GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	By POE
Test Mode	Mode 2		

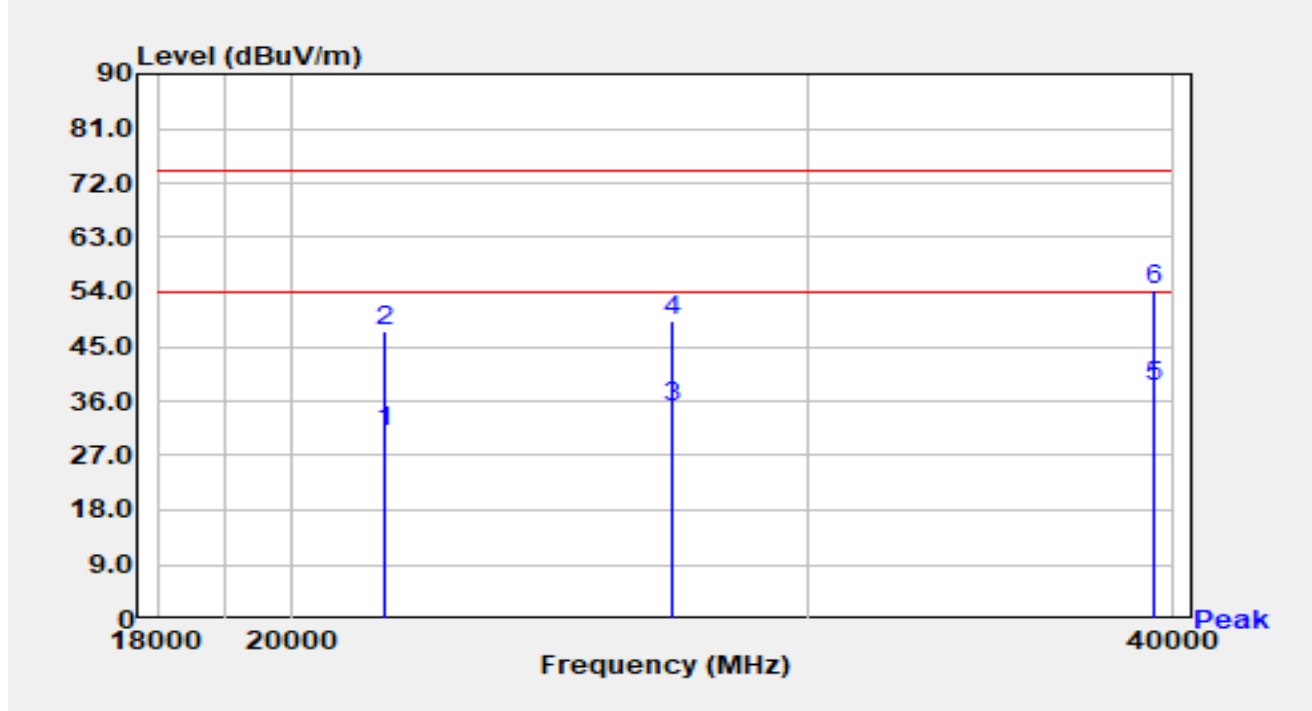


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		9647.900	23.98	12.77	36.75	-17.25	54.00	Average
2		9647.900	37.57	12.77	50.33	-23.67	74.00	Peak
3		14521.800	19.20	19.00	38.20	-15.80	54.00	Average
4		14521.800	34.27	19.00	53.27	-20.73	74.00	Peak
5	*	17986.400	19.56	28.56	48.12	-5.88	54.00	Average
6		17986.400	34.01	28.56	62.58	-11.42	74.00	Peak

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WZ-AC1	Test Date	2024-11-07
Test Engineer	Ajin Fan	Temp./Humidity	26.1°C/53.2%
Factor	BBHA 9170_549_18-40GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	By POE
Test Mode	Mode 2		

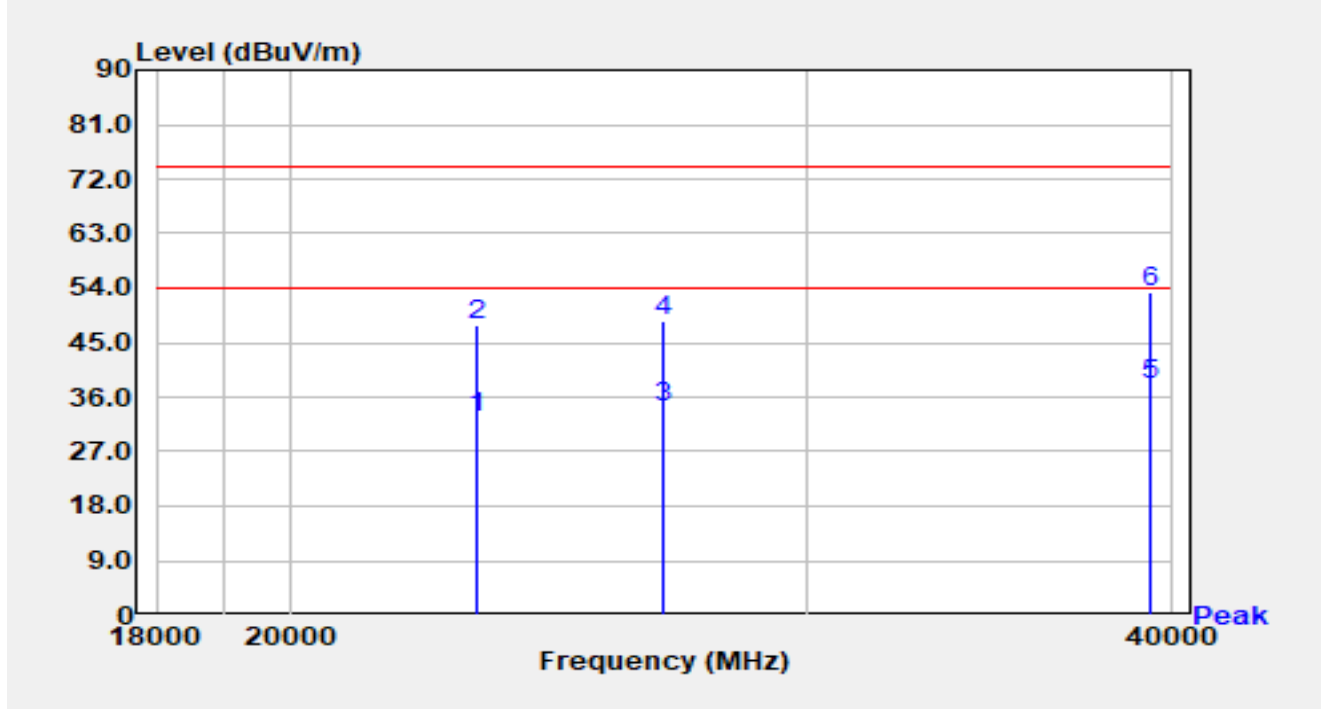


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		21535.400	39.00	-8.22	30.78	-23.22	54.00	Average
2		21535.400	55.67	-8.22	47.44	-26.56	74.00	Peak
3		26971.600	41.30	-6.22	35.08	-18.92	54.00	Average
4		26971.600	55.47	-6.22	49.25	-24.75	74.00	Peak
5	*	39419.200	38.80	-0.31	38.49	-15.51	54.00	Average
6		39419.200	54.66	-0.31	54.35	-19.65	74.00	Peak

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	WZ-AC1	Test Date	2024-11-07
Test Engineer	Ajin Fan	Temp./Humidity	26.1°C/53.2%
Factor	BBHA 9170_549_18-40GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	By POE
Test Mode	Mode 2		

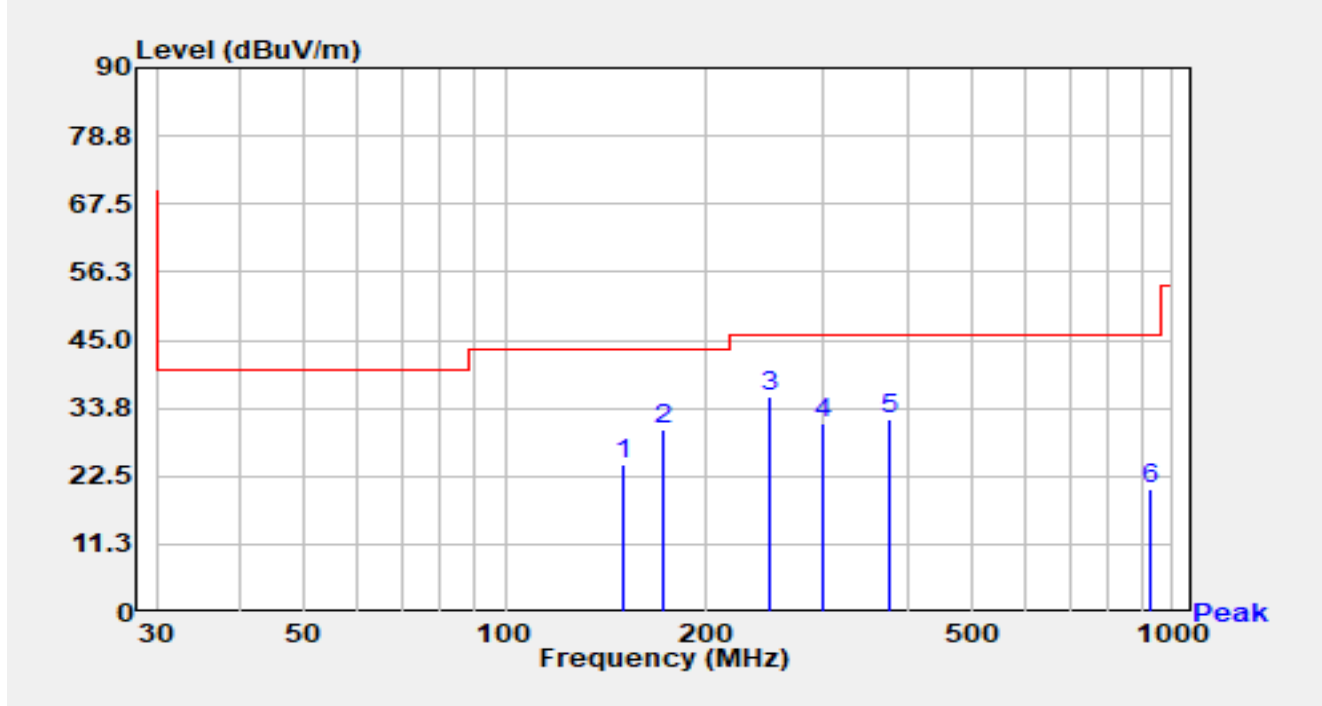


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		23154.600	39.20	-6.65	32.55	-21.45	54.00	Average
2		23154.600	54.49	-6.65	47.84	-26.16	74.00	Peak
3		26800.000	39.70	-5.35	34.35	-19.65	54.00	Average
4		26800.000	54.04	-5.35	48.69	-25.31	74.00	Peak
5	*	39282.800	38.60	-0.51	38.09	-15.91	54.00	Average
6		39282.800	53.94	-0.51	53.42	-20.58	74.00	Peak

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-18
Temperature	19.3°C	Humidity	35.2%
Limit	FCC_Part 15.209_RSE(3m)_QP	Test Engineer	Fusco Pan
Factor	VULB 9168_00997_25-2000MHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 3		

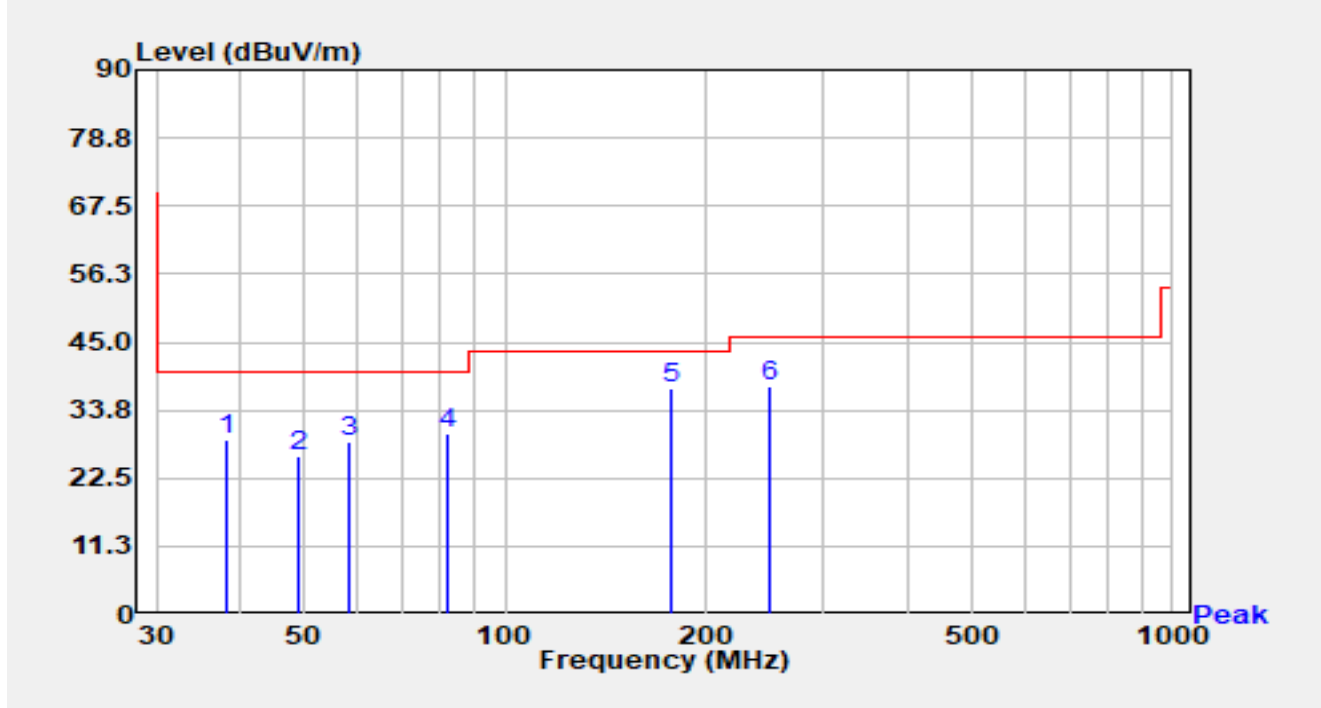


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		150.116	6.00	18.44	24.44	-19.06	43.50	QP
2		172.236	12.50	17.65	30.15	-13.35	43.50	QP
3	*	250.038	18.80	17.02	35.82	-10.18	46.00	QP
4		300.052	12.40	18.70	31.10	-14.90	46.00	QP
5		376.995	11.40	20.57	31.97	-14.03	46.00	QP
6		922.192	-9.80	30.03	20.23	-25.77	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-18
Temperature	19.3°C	Humidity	35.2%
Limit	FCC_Part 15.209_RSE(3m)_QP	Test Engineer	Fusco Pan
Factor	VULB 9168_00997_25-2000MHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 3		

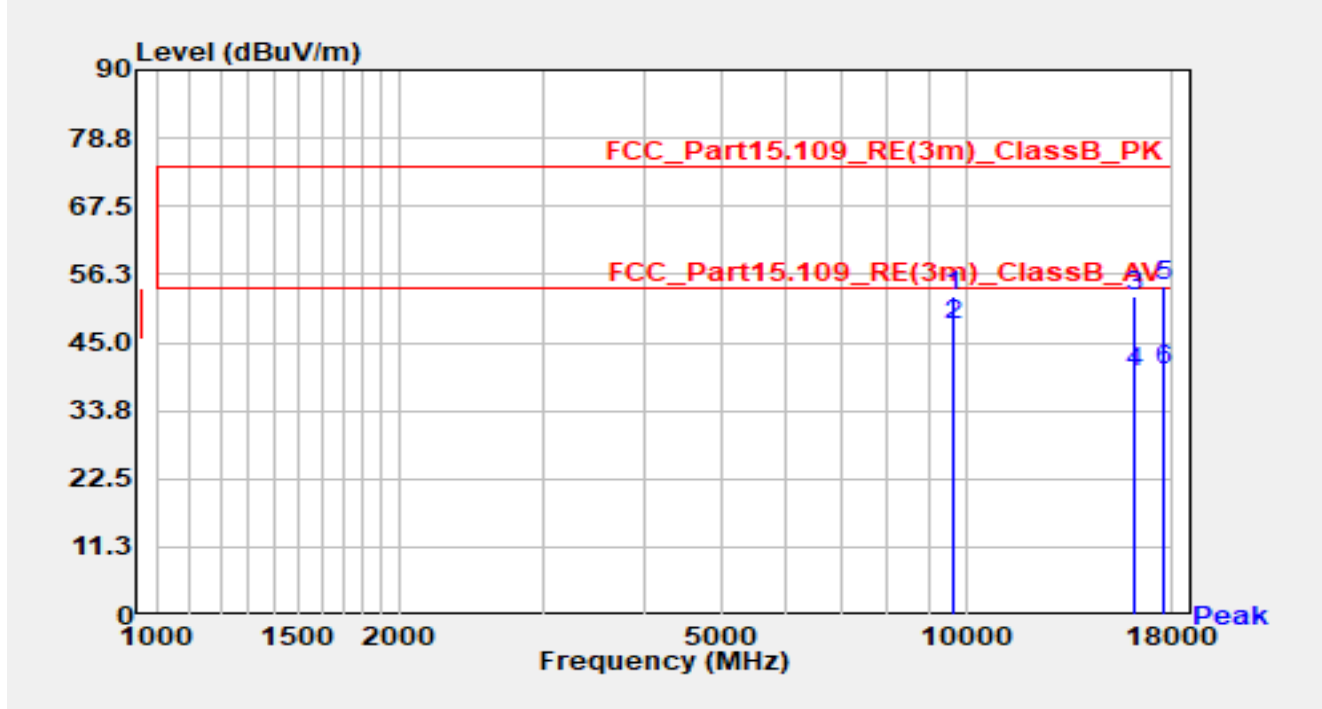


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		38.292	11.20	17.83	29.03	-10.97	40.00	QP
2		48.860	7.60	18.65	26.25	-13.75	40.00	QP
3		58.264	10.40	18.25	28.65	-11.35	40.00	QP
4		82.013	16.30	13.74	30.04	-9.96	40.00	QP
5	*	177.323	20.40	17.12	37.52	-5.98	43.50	QP
6		250.038	20.80	17.02	37.82	-8.18	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-07
Test Engineer	Mero Zhou	Temp./Humidity	21.1°C/51.5%
Factor	HF907_102861_1-18GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 3		

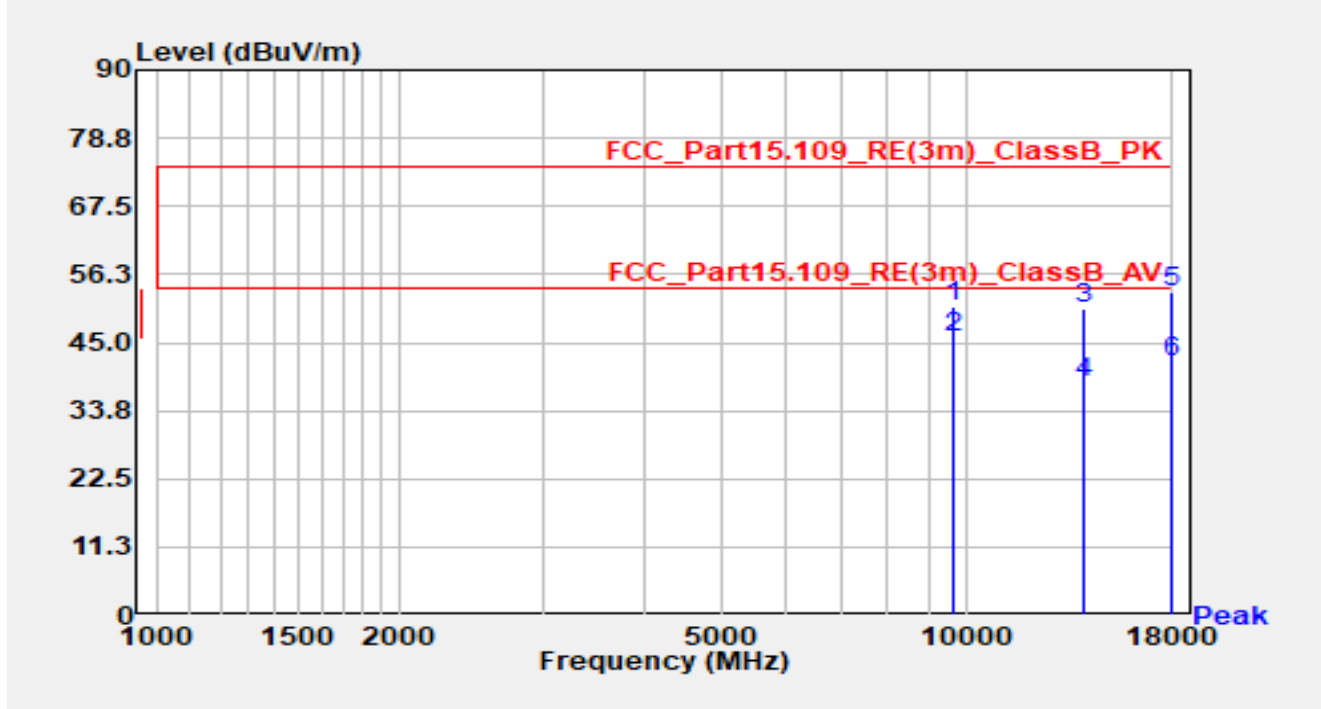


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		9647.900	54.31	-1.55	52.76	-21.24	74.00	Peak
2	*	9647.900	49.36	-1.55	47.81	-6.19	54.00	Average
3		16109.600	47.06	5.67	52.73	-21.27	74.00	Peak
4		16109.600	34.37	5.67	40.04	-13.96	54.00	Average
5		17532.500	45.60	8.81	54.40	-19.60	74.00	Peak
6		17532.500	31.69	8.81	40.50	-13.50	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-07
Test Engineer	Mero Zhou	Temp./Humidity	21.1°C/51.5%
Factor	HF907_102861_1-18GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 3		

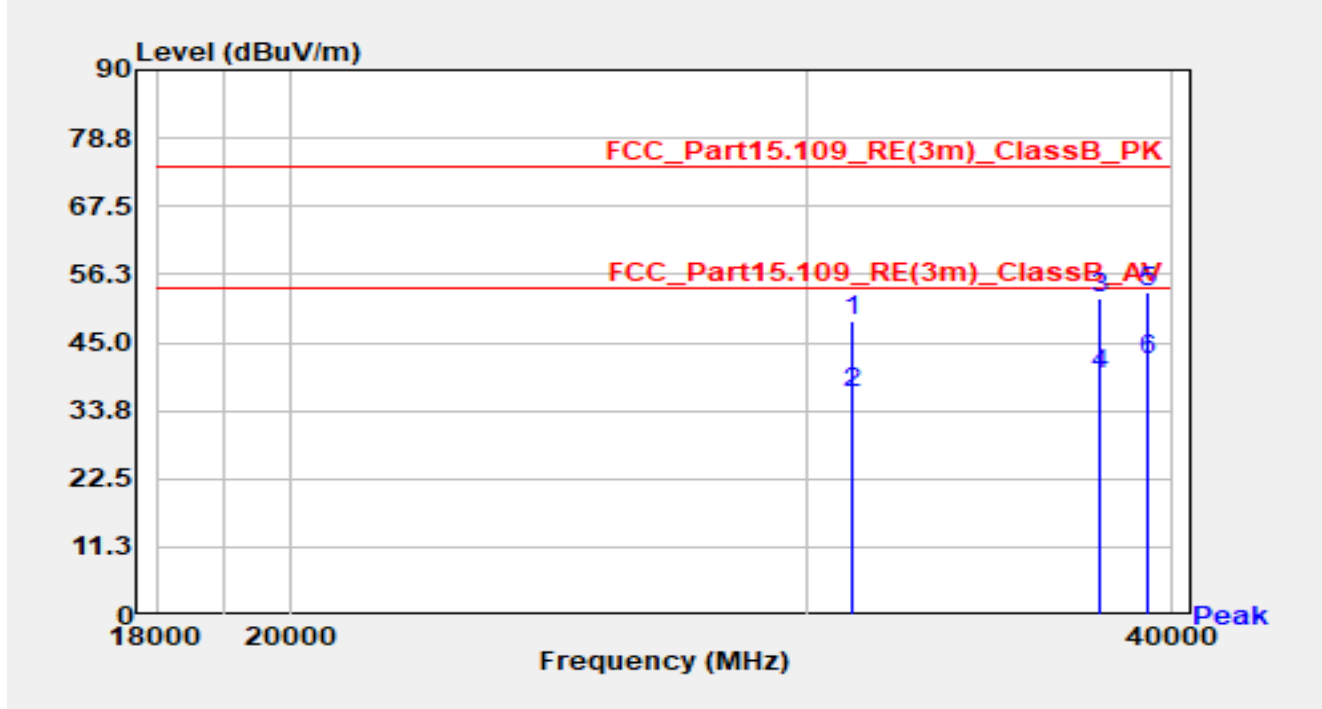


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		9647.900	52.38	-1.55	50.83	-23.17	74.00	Peak
2	*	9647.900	47.51	-1.55	45.96	-8.04	54.00	Average
3		14023.700	47.02	3.48	50.50	-23.50	74.00	Peak
4		14023.700	34.95	3.48	38.43	-15.57	54.00	Average
5		17959.200	43.24	10.24	53.48	-20.52	74.00	Peak
6		17959.200	31.54	10.24	41.78	-12.22	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-15
Test Engineer	Mero Zhou	Temp./Humidity	20.7°C/62.4%
Factor	BBHA 9170_00934_18-40GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 3		

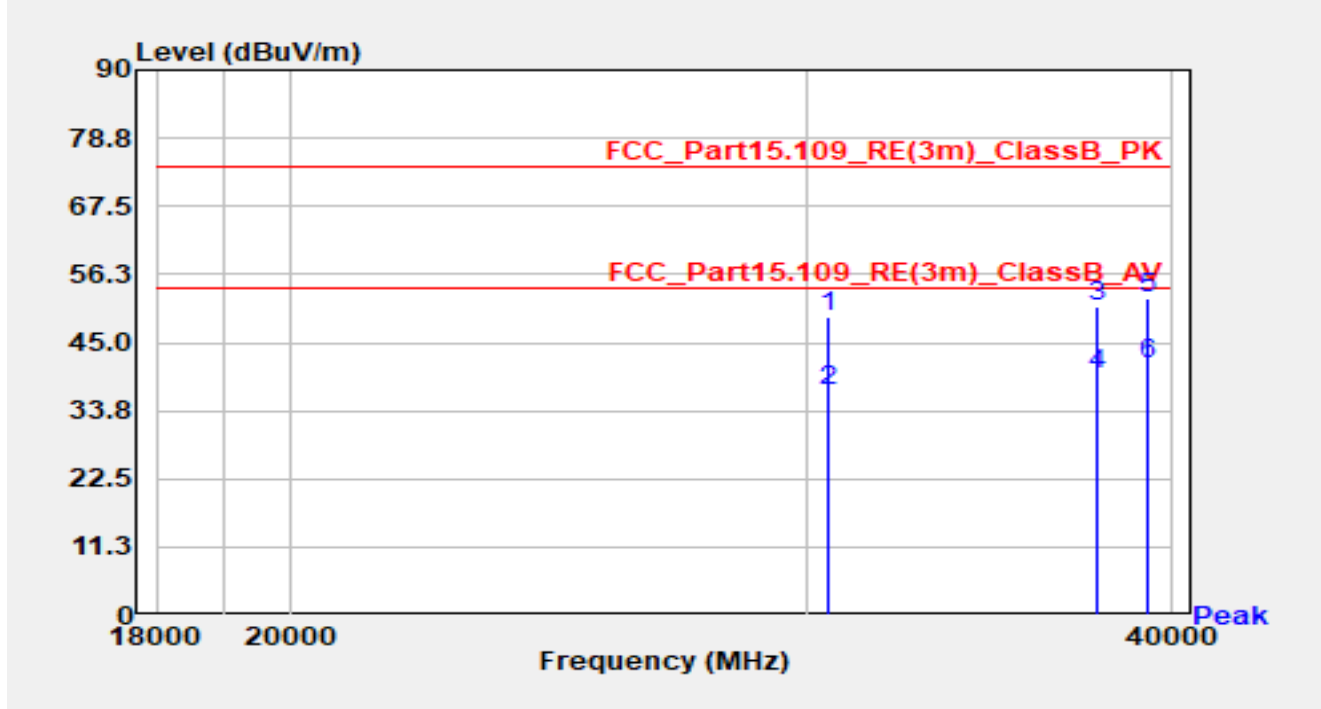


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		31094.400	57.59	-9.10	48.49	-25.51	74.00	Peak
2		31094.400	45.75	-9.10	36.65	-17.35	54.00	Average
3		37749.400	55.06	-2.78	52.27	-21.73	74.00	Peak
4		37749.400	42.64	-2.78	39.86	-14.14	54.00	Average
5		39249.800	52.52	0.80	53.31	-20.69	74.00	Peak
6	*	39249.800	41.34	0.80	42.14	-11.86	54.00	Average

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-15
Test Engineer	Mero Zhou	Temp./Humidity	20.7°C/62.4%
Factor	BBHA 9170_00934_18-40GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 3		

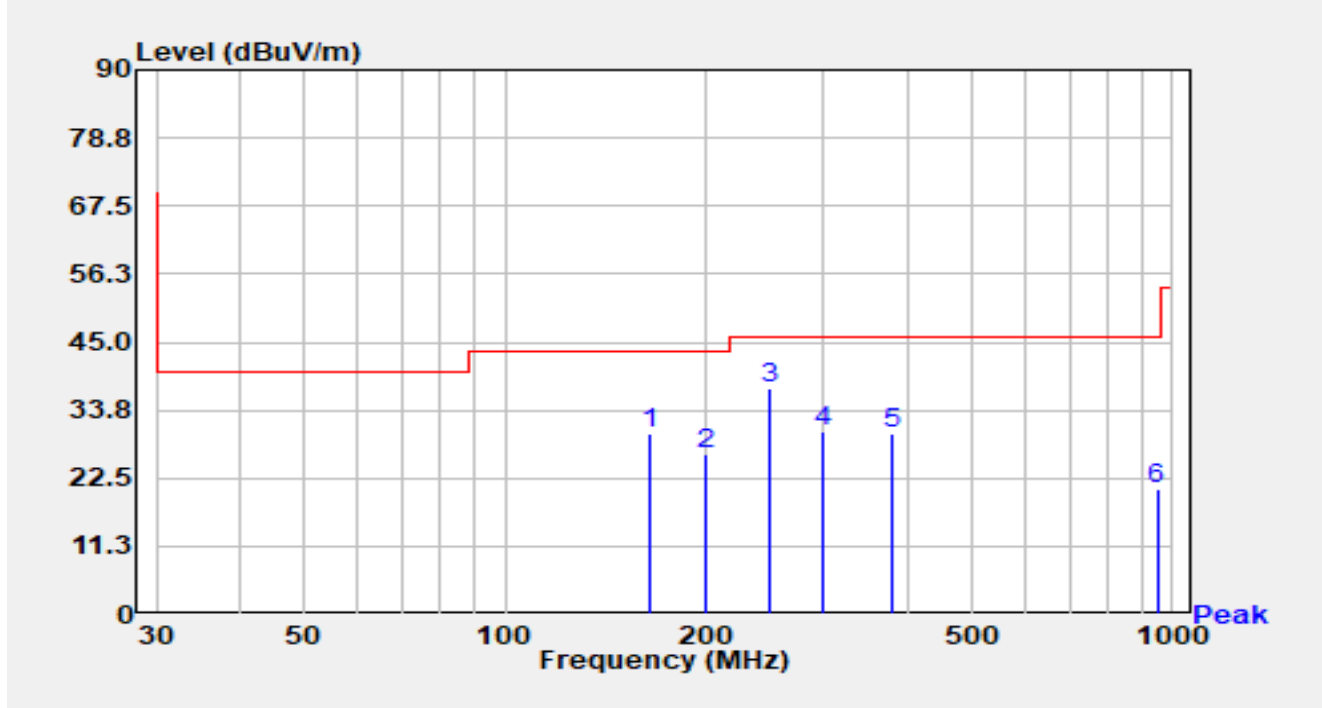


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		30498.200	57.70	-8.51	49.19	-24.81	74.00	Peak
2		30498.200	45.64	-8.51	37.13	-16.87	54.00	Average
3		37734.000	53.68	-2.86	50.82	-23.18	74.00	Peak
4		37734.000	42.69	-2.86	39.83	-14.17	54.00	Average
5		39203.600	52.52	-0.07	52.45	-21.55	74.00	Peak
6	*	39203.600	41.62	-0.07	41.55	-12.45	54.00	Average

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-18
Temperature	19.3°C	Humidity	35.2%
Limit	FCC_Part 15.209_RSE(3m)_QP	Test Engineer	Fusco Pan
Factor	VULB 9168_00997_25-2000MHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 4		

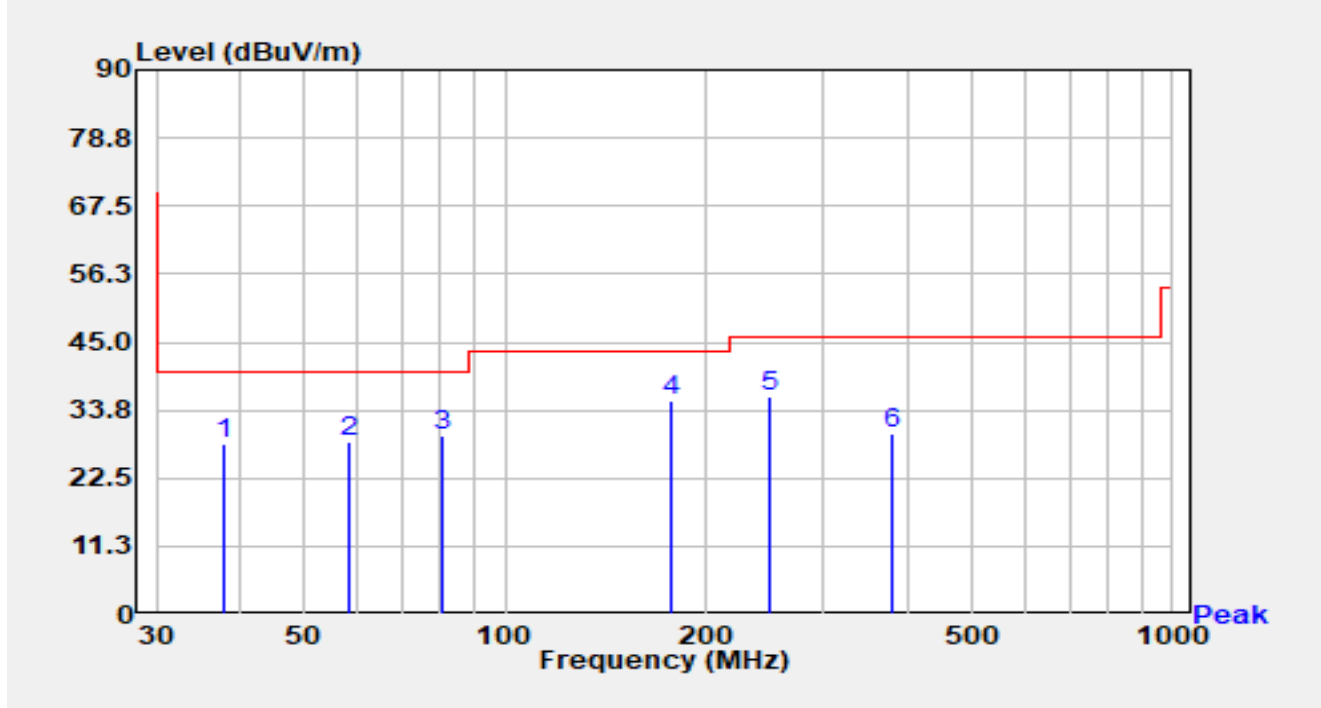


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		165.023	11.63	18.11	29.74	-13.76	43.50	QP
2		199.986	11.38	15.11	26.49	-17.01	43.50	QP
3	*	250.038	20.30	17.02	37.32	-8.68	46.00	QP
4		300.052	11.40	18.70	30.09	-15.91	46.00	QP
5		379.116	9.24	20.61	29.84	-16.16	46.00	QP
6		947.763	-9.40	30.24	20.84	-25.16	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-18
Temperature	19.3°C	Humidity	35.2%
Limit	FCC_Part 15.209_RSE(3m)_QP	Test Engineer	Fusco Pan
Factor	VULB 9168_00997_25-2000MHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 4		

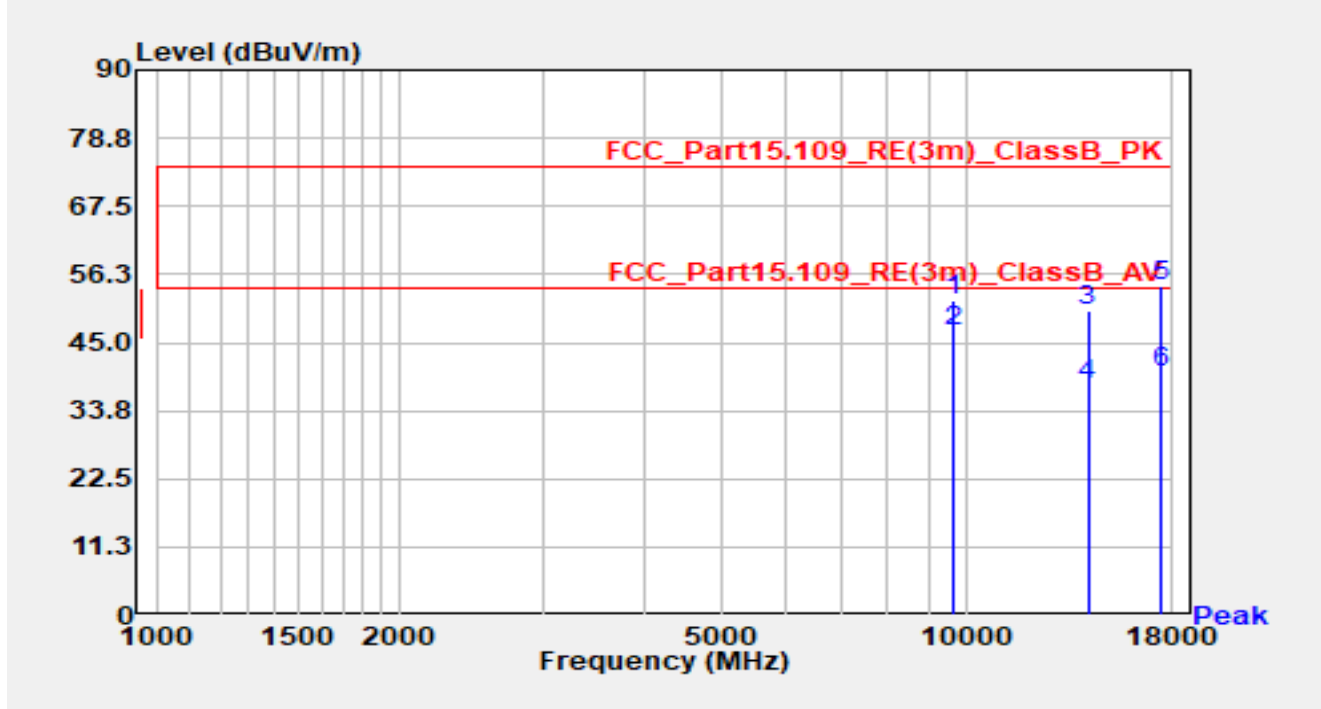


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		38.012	10.43	17.80	28.23	-11.77	40.00	QP
2		58.469	10.23	18.23	28.46	-11.54	40.00	QP
3		80.137	15.39	14.17	29.56	-10.44	40.00	QP
4	*	176.640	18.20	17.19	35.39	-8.11	43.50	QP
5		250.038	19.03	17.02	36.06	-9.94	46.00	QP
6		378.584	9.13	20.60	29.73	-16.27	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-07
Test Engineer	Mero Zhou	Temp./Humidity	21.1°C/51.5%
Factor	HF907_102861_1-18GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 4		

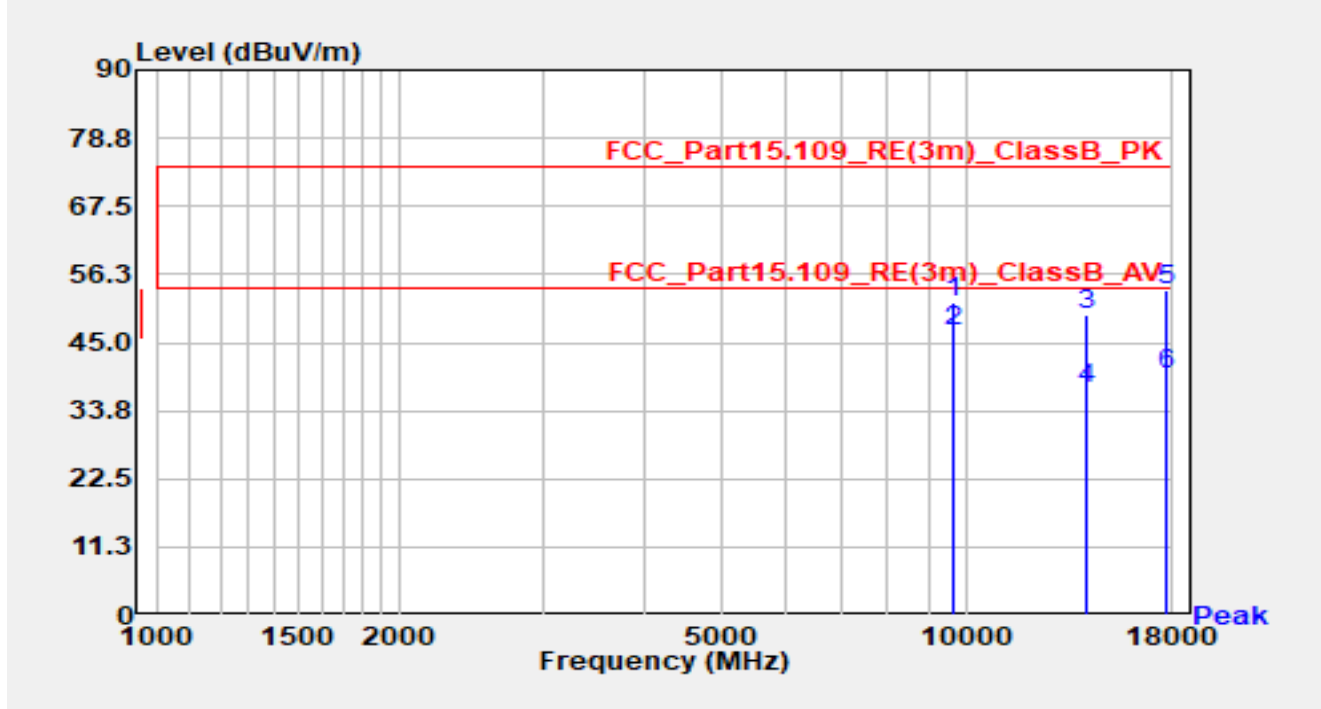


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		9647.900	53.48	-1.55	51.93	-22.07	74.00	Peak
2	*	9647.900	48.49	-1.55	46.94	-7.06	54.00	Average
3		14144.400	47.14	3.20	50.35	-23.65	74.00	Peak
4		14144.400	34.68	3.20	37.88	-16.12	54.00	Average
5		17467.900	45.88	8.42	54.31	-19.69	74.00	Peak
6		17467.900	31.75	8.42	40.17	-13.83	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-07
Test Engineer	Mero Zhou	Temp./Humidity	21.1°C/51.5%
Factor	HF907_102861_1-18GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 4		

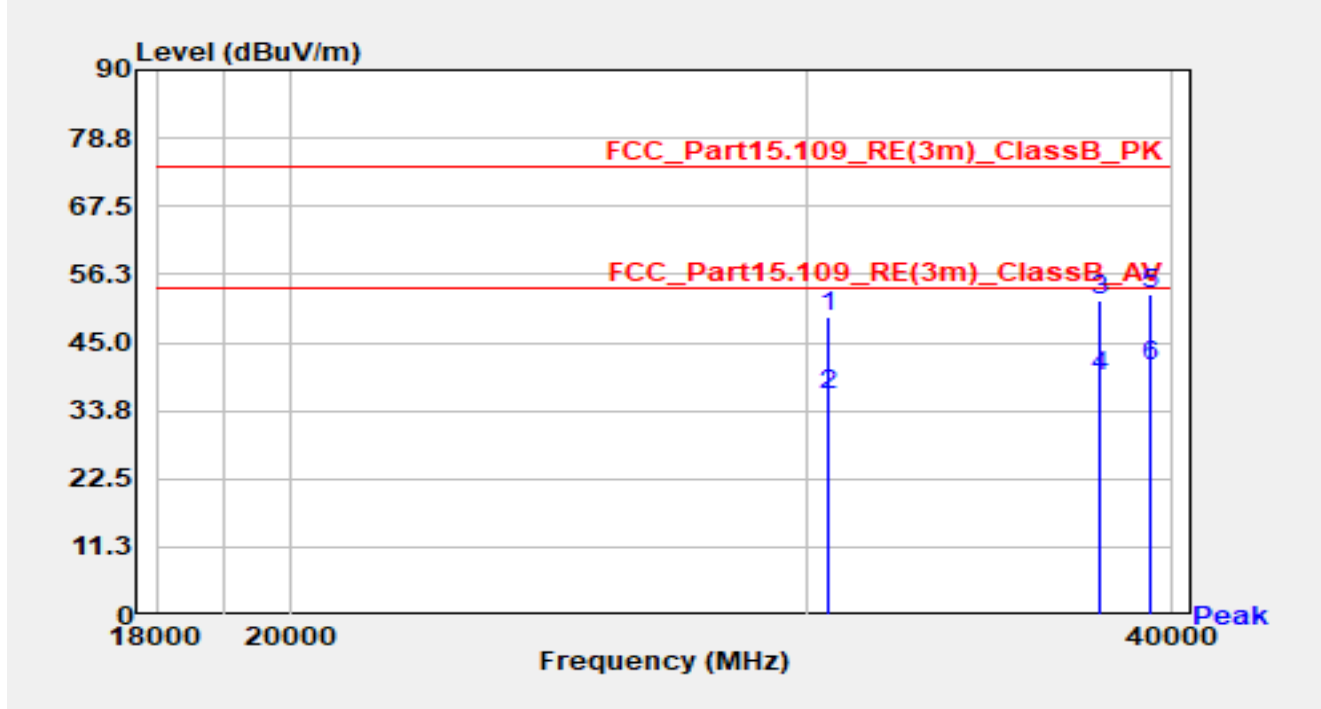


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		9647.900	53.08	-1.55	51.52	-22.48	74.00	Peak
2	*	9647.900	48.57	-1.55	47.02	-6.98	54.00	Average
3		14090.000	46.88	2.66	49.54	-24.46	74.00	Peak
4		14090.000	34.69	2.66	37.35	-16.65	54.00	Average
5		17714.400	45.48	8.19	53.67	-20.33	74.00	Peak
6		17714.400	31.68	8.19	39.87	-14.13	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-15
Test Engineer	Mero Zhou	Temp./Humidity	20.7°C/62.4%
Factor	BBHA 9170_00934_18-40GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 4		

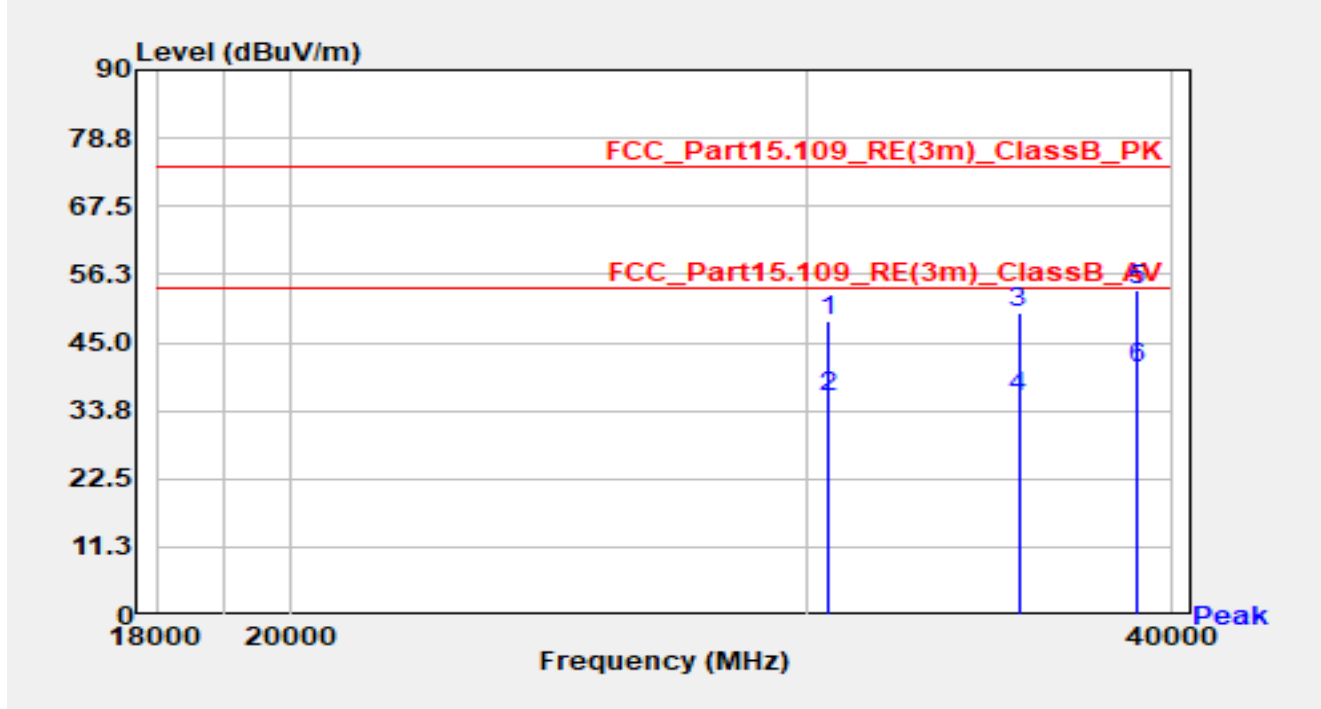


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		30500.400	57.67	-8.49	49.18	-24.82	74.00	Peak
2		30500.400	44.79	-8.49	36.30	-17.70	54.00	Average
3		37764.800	54.57	-2.77	51.80	-22.20	74.00	Peak
4		37764.800	42.19	-2.77	39.42	-14.58	54.00	Average
5		39274.000	53.17	-0.11	53.05	-20.95	74.00	Peak
6	*	39274.000	41.34	-0.11	41.23	-12.77	54.00	Average

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-15
Test Engineer	Mero Zhou	Temp./Humidity	20.7°C/62.4%
Factor	BBHA 9170_00934_18-40GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 4		

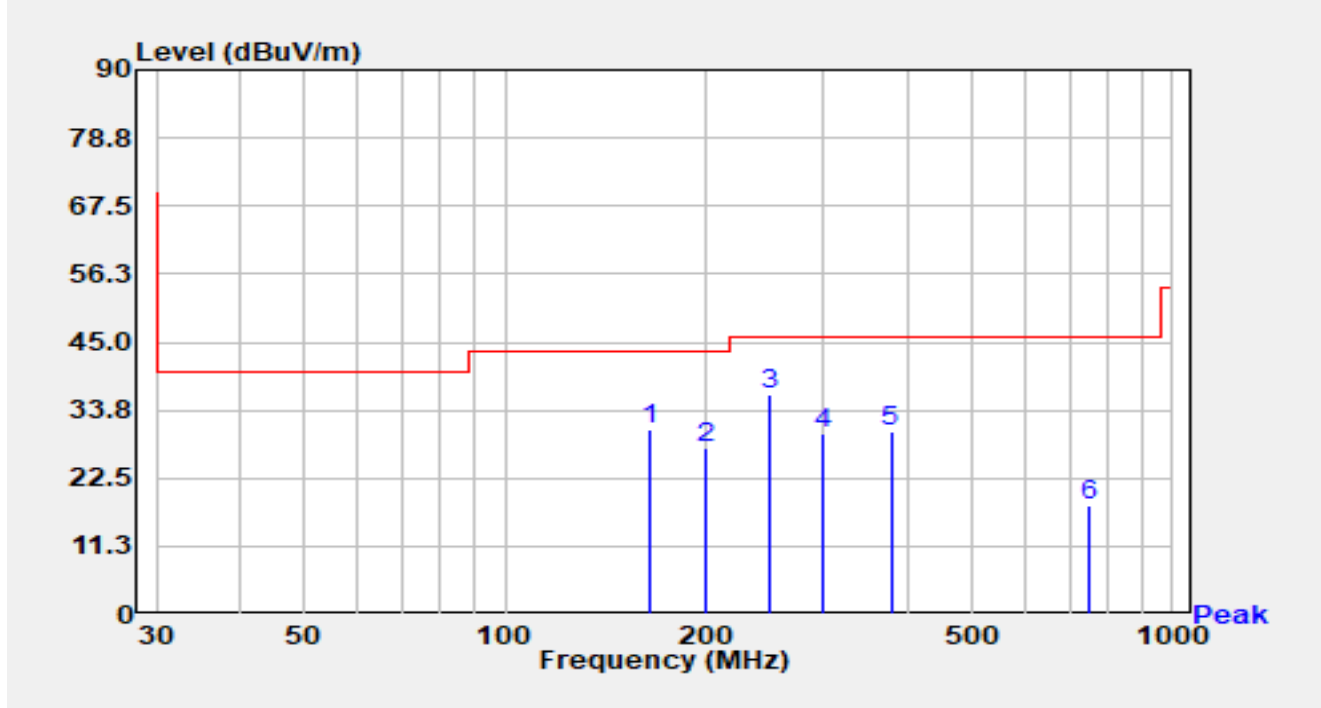


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		30533.400	57.19	-8.69	48.50	-25.50	74.00	Peak
2		30533.400	44.69	-8.69	36.00	-18.00	54.00	Average
3		35441.600	56.82	-6.79	50.02	-23.98	74.00	Peak
4		35441.600	42.86	-6.79	36.07	-17.93	54.00	Average
5		38908.800	54.43	-0.91	53.52	-20.48	74.00	Peak
6	*	38908.800	41.75	-0.91	40.84	-13.16	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-18
Temperature	19.3°C	Humidity	35.2%
Limit	FCC_Part 15.209_RSE(3m)_QP	Test Engineer	Fusco Pan
Factor	VULB 9168_00997_25-2000MHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 5		

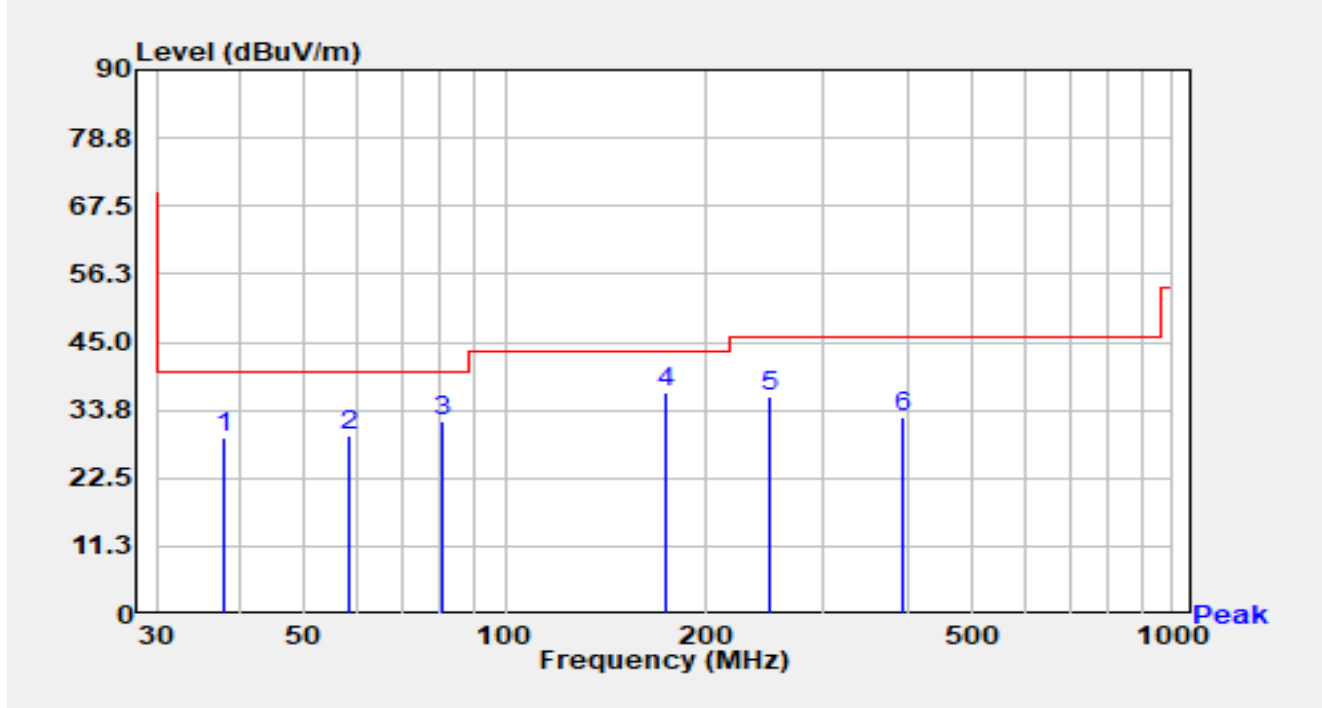


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		164.330	12.28	18.13	30.41	-13.09	43.50	QP
2		199.986	12.46	15.11	27.57	-15.93	43.50	QP
3	*	250.038	19.30	17.02	36.32	-9.68	46.00	QP
4		300.052	11.04	18.70	29.74	-16.26	46.00	QP
5		378.186	9.49	20.59	30.08	-15.92	46.00	QP
6		750.108	-10.40	28.42	18.02	-27.98	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-18
Temperature	19.3°C	Humidity	35.2%
Limit	FCC_Part 15.209_RSE(3m)_QP	Test Engineer	Fusco Pan
Factor	VULB 9168_00997_25-2000MHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 5		

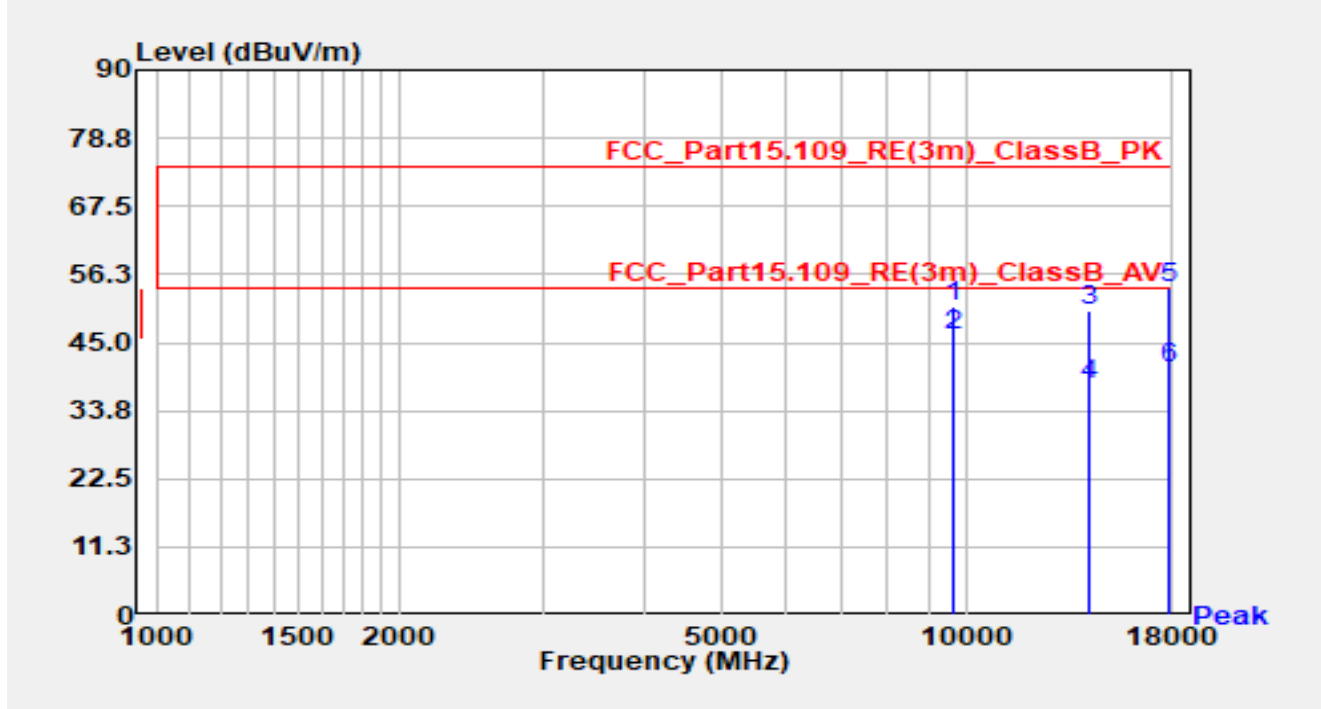


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		37.998	11.45	17.80	29.25	-10.75	40.00	QP
2		58.551	11.31	18.22	29.53	-10.47	40.00	QP
3		80.277	17.63	14.14	31.77	-8.23	40.00	QP
4	*	173.387	19.06	17.54	36.60	-6.90	43.50	QP
5		250.038	18.99	17.02	36.01	-9.99	46.00	QP
6		395.825	11.79	20.83	32.62	-13.38	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-07
Test Engineer	Mero Zhou	Temp./Humidity	21.1°C/51.5%
Factor	HF907_102861_1-18GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 5		

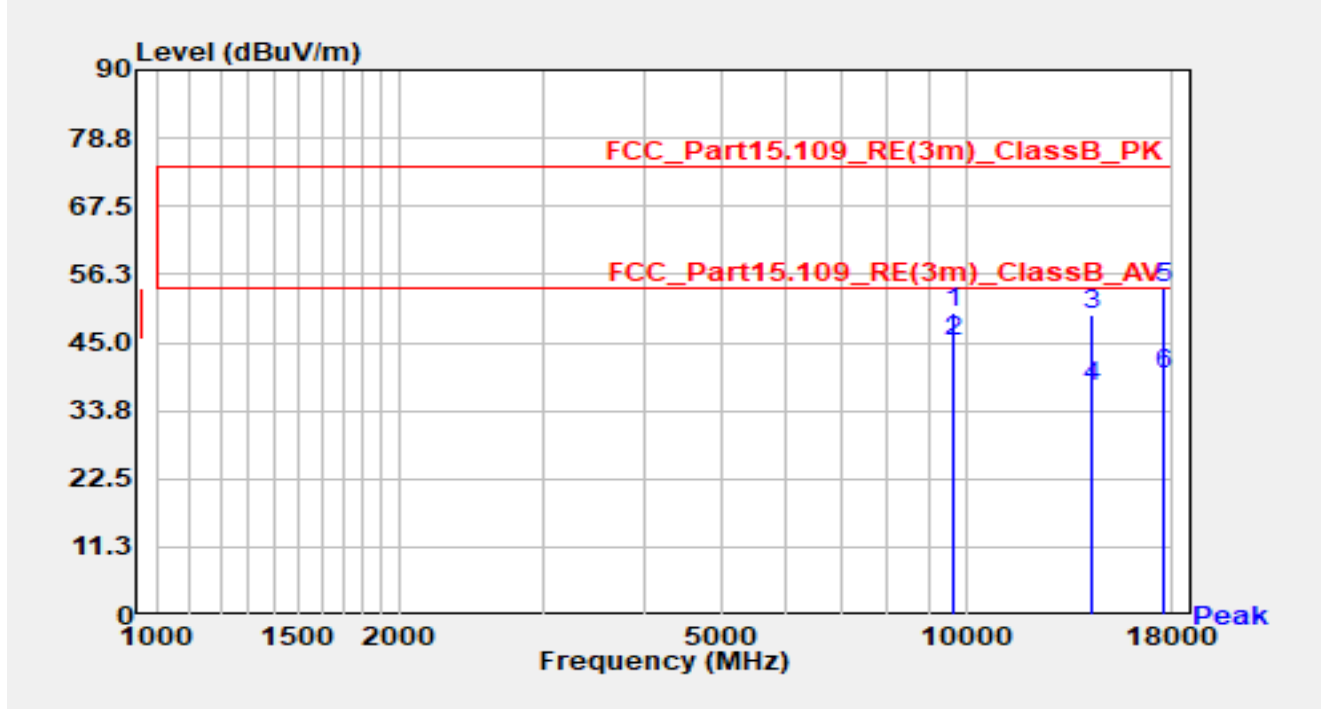


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		9647.900	52.58	-1.55	51.03	-22.97	74.00	Peak
2	*	9647.900	47.64	-1.55	46.09	-7.91	54.00	Average
3		14243.000	46.97	3.23	50.20	-23.80	74.00	Peak
4		14243.000	34.69	3.23	37.92	-16.08	54.00	Average
5		17841.900	44.66	9.21	53.86	-20.14	74.00	Peak
6		17841.900	31.57	9.21	40.78	-13.22	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-07
Test Engineer	Mero Zhou	Temp./Humidity	21.1°C/51.5%
Factor	HF907_102861_1-18GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 5		

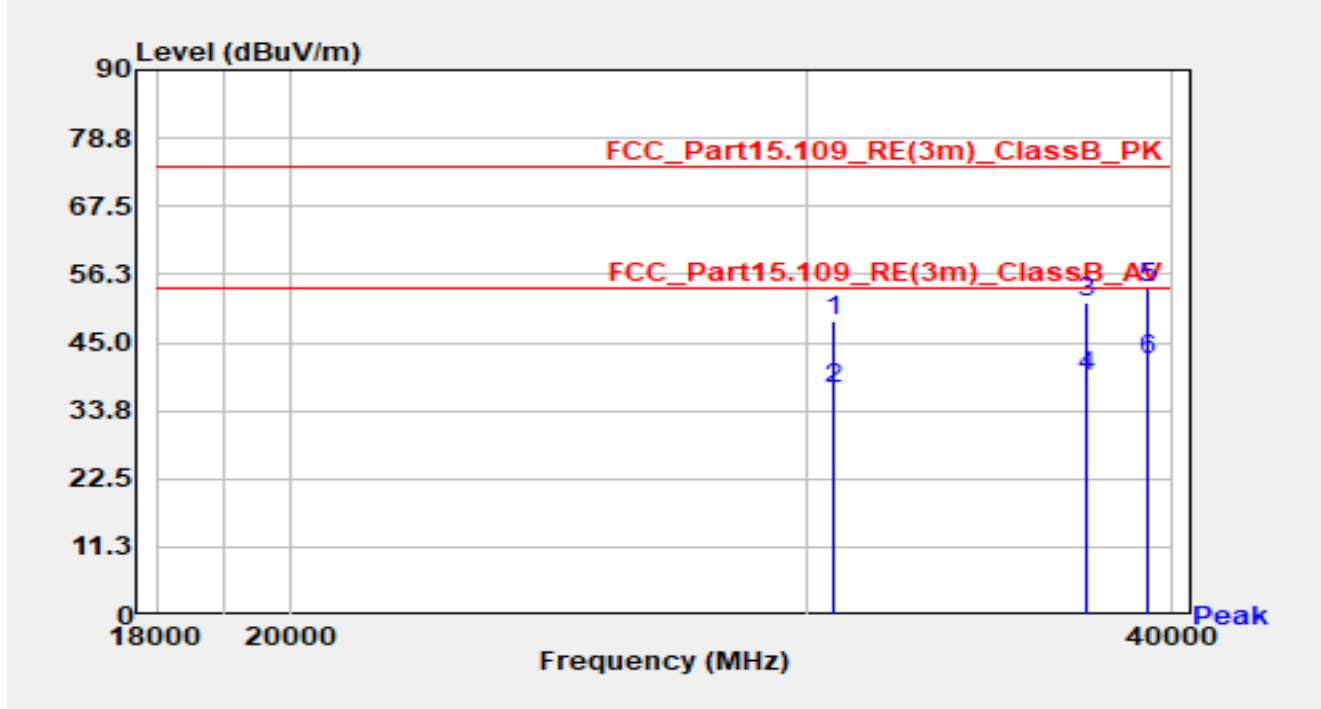


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		9647.900	51.49	-1.55	49.94	-24.06	74.00	Peak
2	*	9647.900	46.57	-1.55	45.02	-8.98	54.00	Average
3		14314.400	46.74	2.86	49.60	-24.40	74.00	Peak
4		14314.400	34.71	2.86	37.57	-16.43	54.00	Average
5		17556.300	45.52	8.40	53.91	-20.09	74.00	Peak
6		17556.300	31.49	8.40	39.89	-14.11	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-15
Test Engineer	Mero Zhou	Temp./Humidity	20.7°C/62.4%
Factor	BBHA 9170_00934_18-40GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 5		

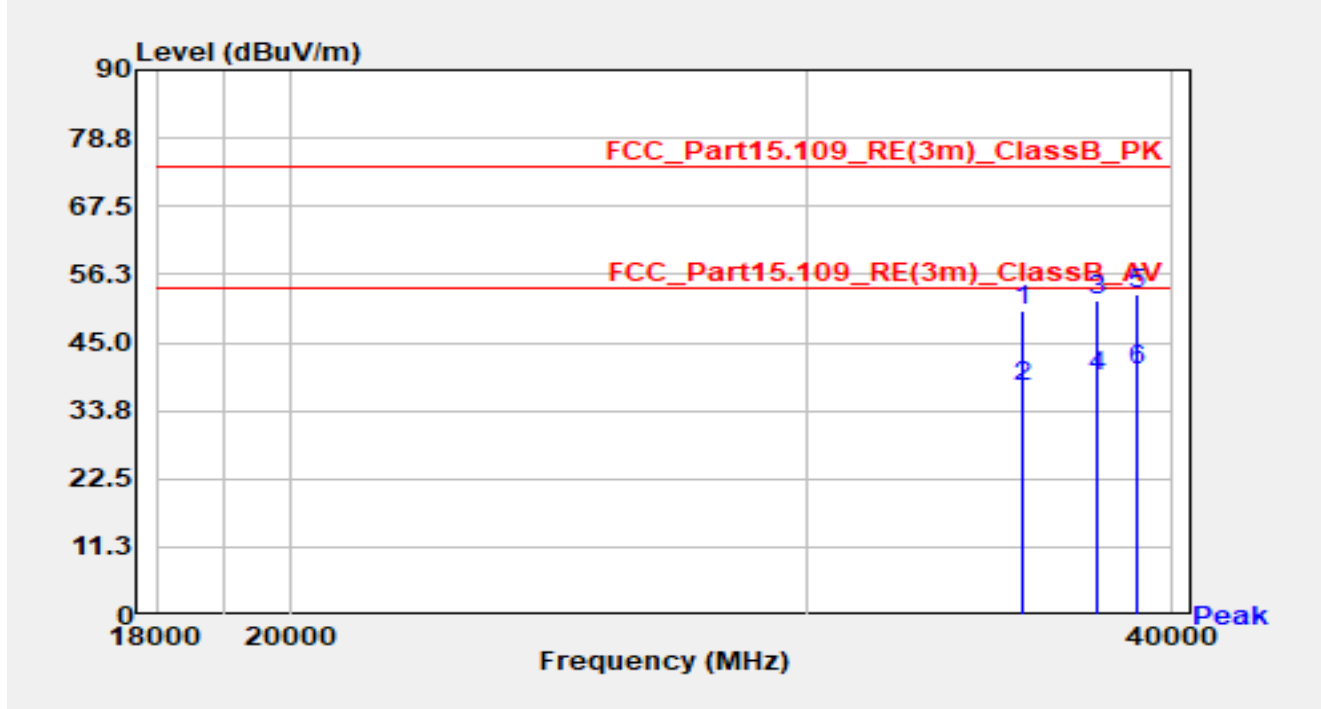


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		30639.000	56.85	-8.43	48.42	-25.58	74.00	Peak
2		30639.000	45.67	-8.43	37.24	-16.76	54.00	Average
3		37382.000	55.07	-3.36	51.72	-22.28	74.00	Peak
4		37382.000	42.76	-3.36	39.40	-14.60	54.00	Average
5		39252.000	52.91	0.93	53.84	-20.16	74.00	Peak
6	*	39252.000	41.28	0.93	42.21	-11.79	54.00	Average

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-15
Test Engineer	Mero Zhou	Temp./Humidity	20.7°C/62.4%
Factor	BBHA 9170_00934_18-40GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 5		

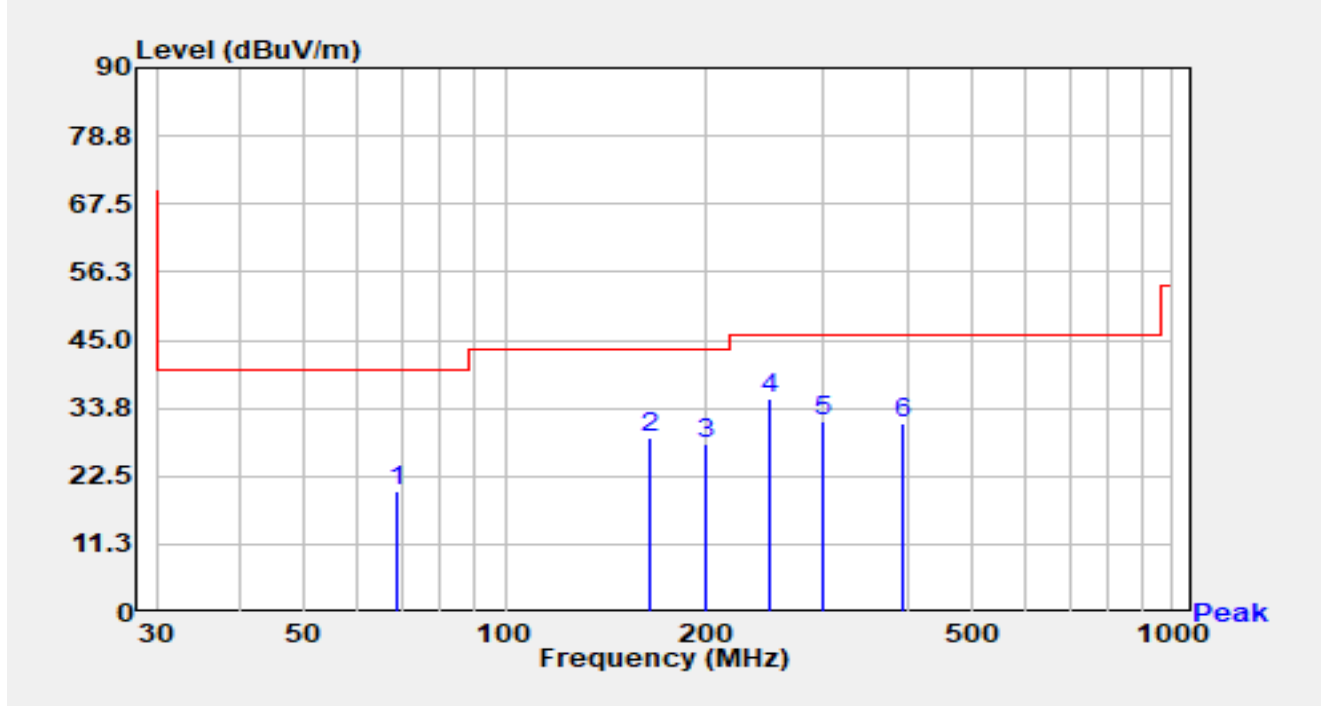


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		35575.800	56.44	-6.21	50.23	-23.77	74.00	Peak
2		35575.800	44.05	-6.21	37.84	-16.16	54.00	Average
3		37727.400	55.06	-3.02	52.04	-21.96	74.00	Peak
4		37727.400	42.39	-3.02	39.37	-14.63	54.00	Average
5		38933.000	53.91	-0.93	52.98	-21.02	74.00	Peak
6	*	38933.000	41.46	-0.93	40.53	-13.47	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-18
Temperature	19.3°C	Humidity	35.2%
Limit	FCC_Part 15.209_RSE(3m)_QP	Test Engineer	Fusco Pan
Factor	VULB 9168_00997_25-2000MHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 6		

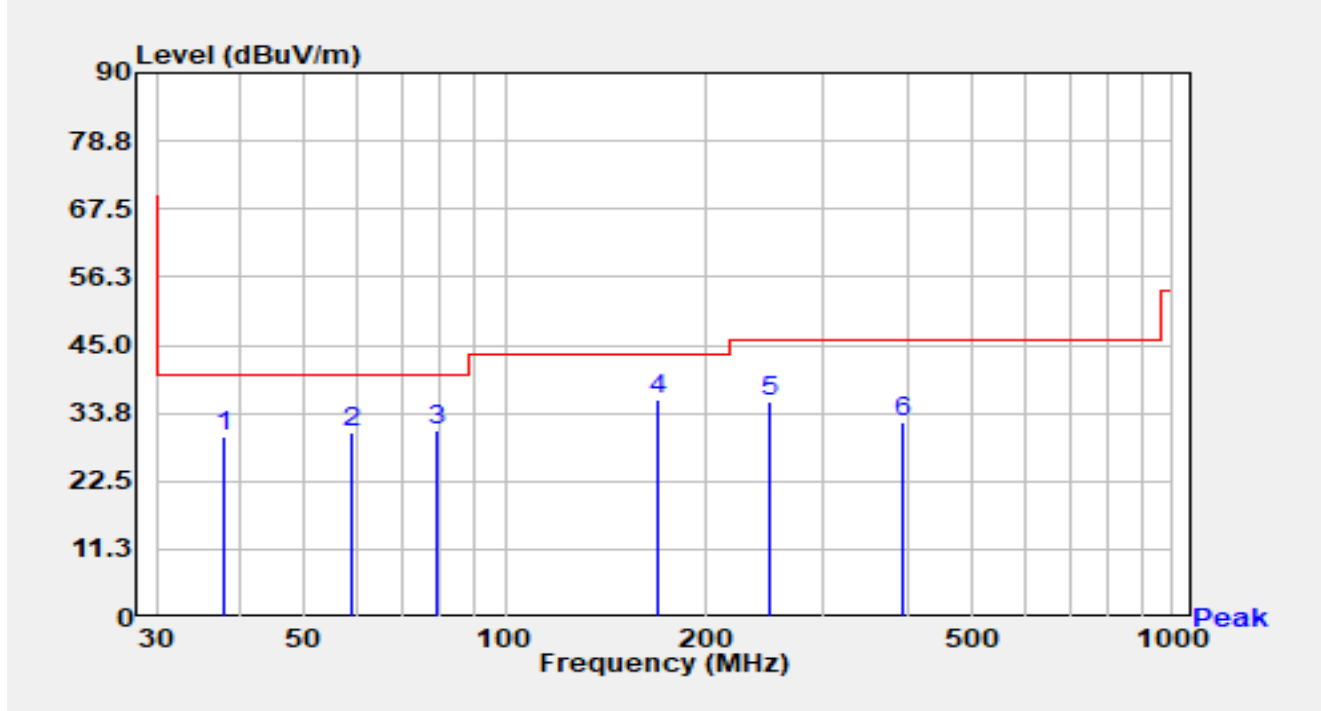


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		68.896	3.50	16.54	20.04	-19.96	40.00	QP
2		164.446	10.80	18.13	28.93	-14.57	43.50	QP
3		199.986	12.80	15.11	27.91	-15.59	43.50	QP
4	*	250.038	18.30	17.02	35.32	-10.68	46.00	QP
5		299.946	12.90	18.69	31.59	-14.41	46.00	QP
6		395.132	10.36	20.82	31.18	-14.82	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-18
Temperature	19.3°C	Humidity	35.2%
Limit	FCC_Part 15.209_RSE(3m)_QP	Test Engineer	Fusco Pan
Factor	VULB 9168_00997_25-2000MHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 6		

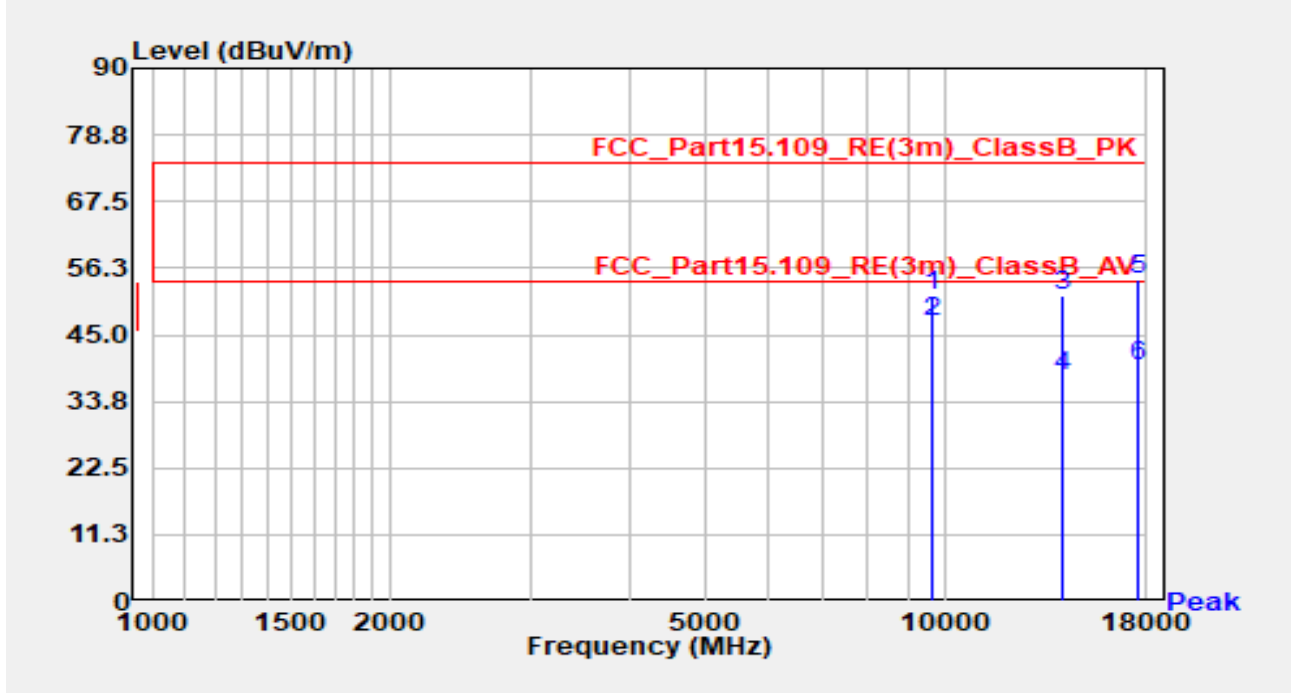


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		37.733	12.10	17.77	29.87	-10.13	40.00	QP
2		58.963	12.30	18.17	30.47	-9.53	40.00	QP
3		79.048	16.30	14.44	30.74	-9.26	40.00	QP
4	*	169.897	18.23	17.84	36.07	-7.43	43.50	QP
5		250.038	18.60	17.02	35.62	-10.38	46.00	QP
6		395.686	11.60	20.83	32.43	-13.57	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-07
Test Engineer	Mero Zhou	Temp./Humidity	21.1°C/51.5%
Factor	HF907_102861_1-18GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 6		

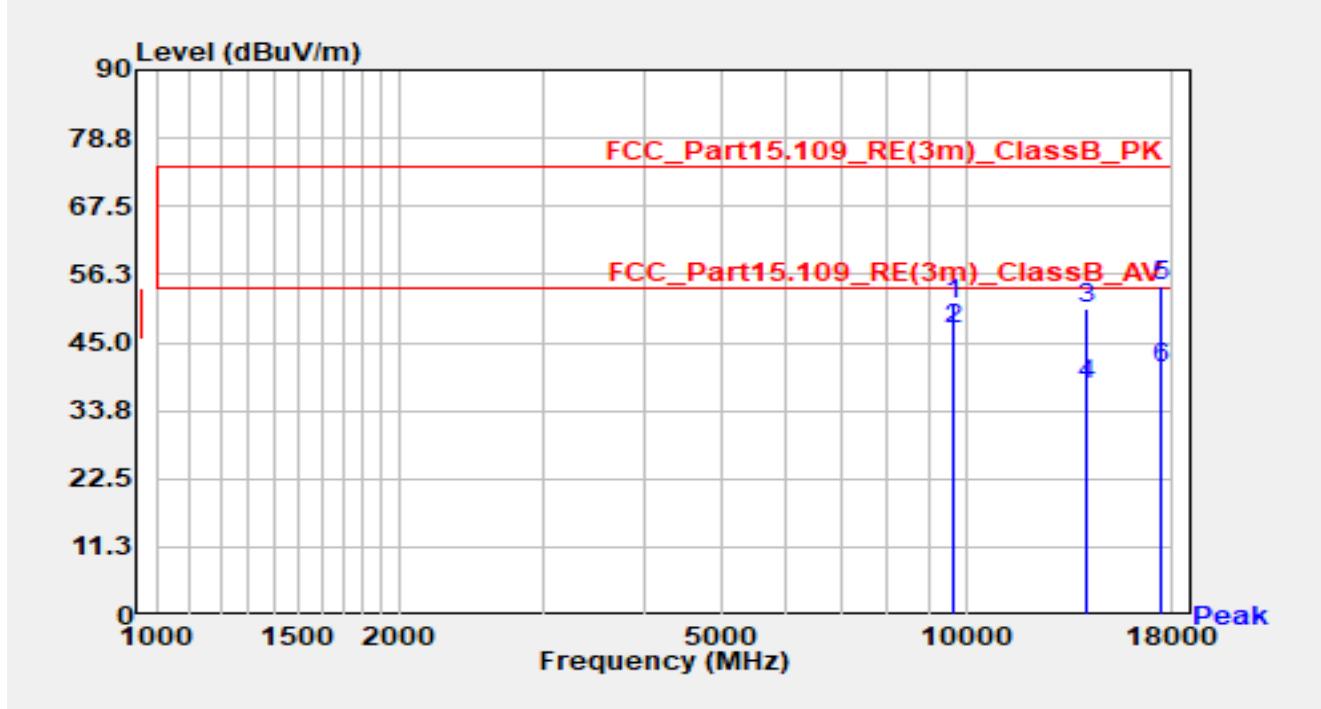


No	Mark	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Detector
1		9647.900	53.21	-1.55	51.66	-22.34	74.00	Peak
2	*	9647.900	48.88	-1.55	47.33	-6.67	54.00	Average
3		14127.400	48.11	3.37	51.48	-22.52	74.00	Peak
4		14127.400	34.64	3.37	38.01	-15.99	54.00	Average
5		17585.200	46.19	8.15	54.34	-19.66	74.00	Peak
6		17585.200	31.59	8.15	39.74	-14.26	54.00	Average

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
- Measurement(dBUV/m) = Reading(dBUV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-07
Test Engineer	Mero Zhou	Temp./Humidity	21.1°C/51.5%
Factor	HF907_102861_1-18GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 6		

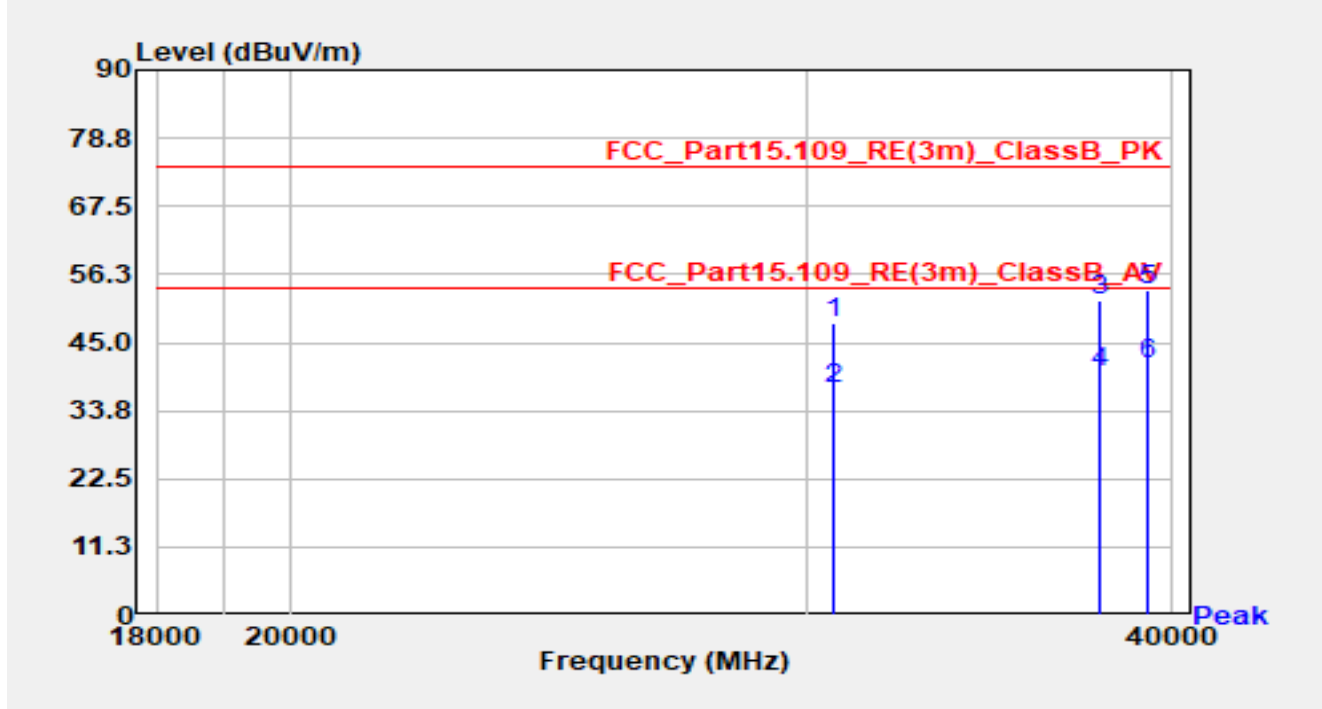


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		9647.900	52.72	-1.55	51.17	-22.83	74.00	Peak
2	*	9647.900	48.76	-1.55	47.21	-6.79	54.00	Average
3		14124.000	47.07	3.37	50.45	-23.55	74.00	Peak
4		14124.000	34.76	3.37	38.13	-15.87	54.00	Average
5		17454.300	45.40	8.84	54.24	-19.76	74.00	Peak
6		17454.300	31.86	8.84	40.70	-13.30	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-15
Test Engineer	Mero Zhou	Temp./Humidity	20.7°C/62.4%
Factor	BBHA 9170_00934_18-40GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 6		

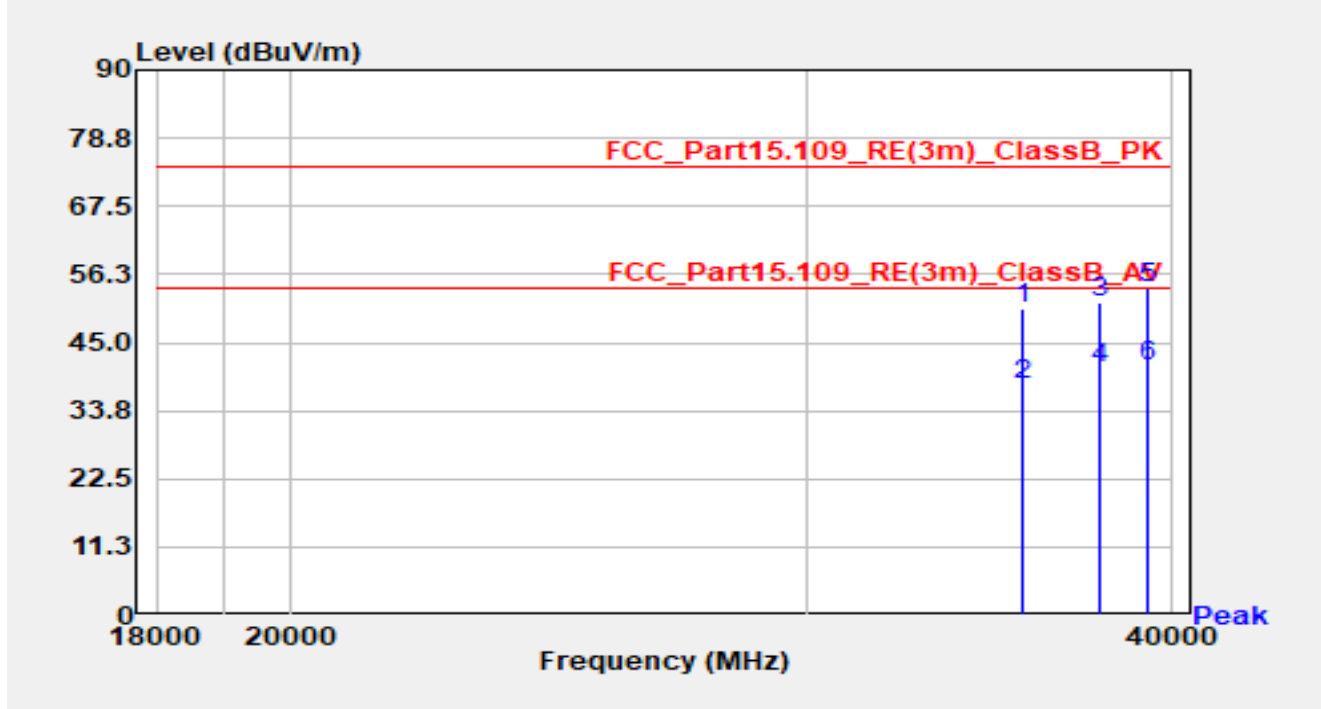


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		30650.000	56.65	-8.32	48.33	-25.67	74.00	Peak
2		30650.000	45.69	-8.32	37.37	-16.63	54.00	Average
3		37749.400	54.67	-2.78	51.89	-22.11	74.00	Peak
4		37749.400	42.71	-2.78	39.93	-14.07	54.00	Average
5		39188.200	53.58	0.00	53.58	-20.42	74.00	Peak
6	*	39188.200	41.31	0.00	41.31	-12.69	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-15
Test Engineer	Mero Zhou	Temp./Humidity	20.7°C/62.4%
Factor	BBHA 9170_00934_18-40GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 6		

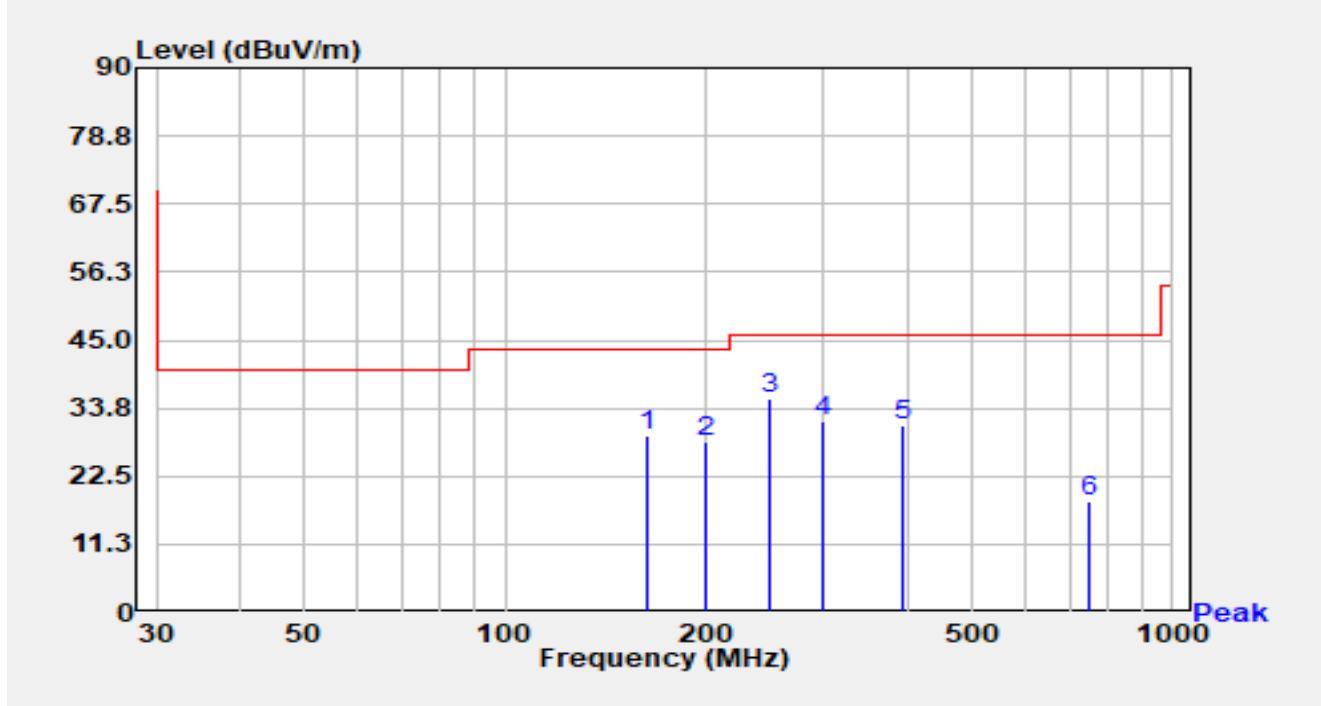


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		35562.600	56.87	-6.43	50.44	-23.56	74.00	Peak
2		35562.600	44.58	-6.43	38.15	-15.85	54.00	Average
3		37778.000	54.54	-2.80	51.74	-22.26	74.00	Peak
4		37778.000	43.64	-2.80	40.84	-13.16	54.00	Average
5		39254.200	53.03	0.82	53.86	-20.14	74.00	Peak
6	*	39254.200	40.38	0.82	41.20	-12.80	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-18
Temperature	19.3°C	Humidity	35.2%
Limit	FCC_Part 15.209_RSE(3m)_QP	Test Engineer	Fusco Pan
Factor	VULB 9168_00997_25-2000MHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 7		

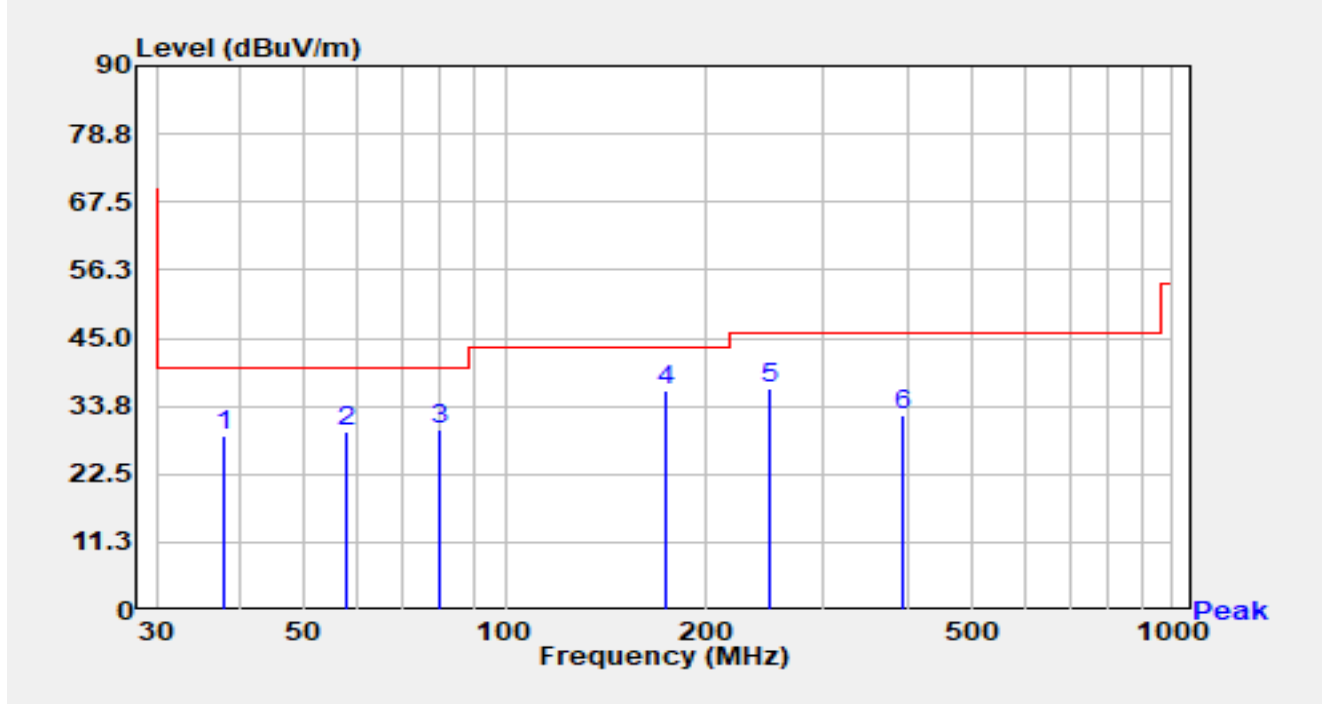


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		163.468	11.04	18.17	29.21	-14.29	43.50	QP
2		199.986	12.96	15.11	28.07	-15.43	43.50	QP
3	*	250.038	18.28	17.02	35.31	-10.69	46.00	QP
4		300.052	12.99	18.70	31.68	-14.32	46.00	QP
5		393.748	10.18	20.80	30.98	-15.02	46.00	QP
6		750.108	-9.99	28.42	18.43	-27.57	46.00	QP

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-12-18
Temperature	19.3°C	Humidity	35.2%
Limit	FCC_Part 15.209_RSE(3m)_QP	Test Engineer	Fusco Pan
Factor	VULB 9168_00997_25-2000MHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 7		

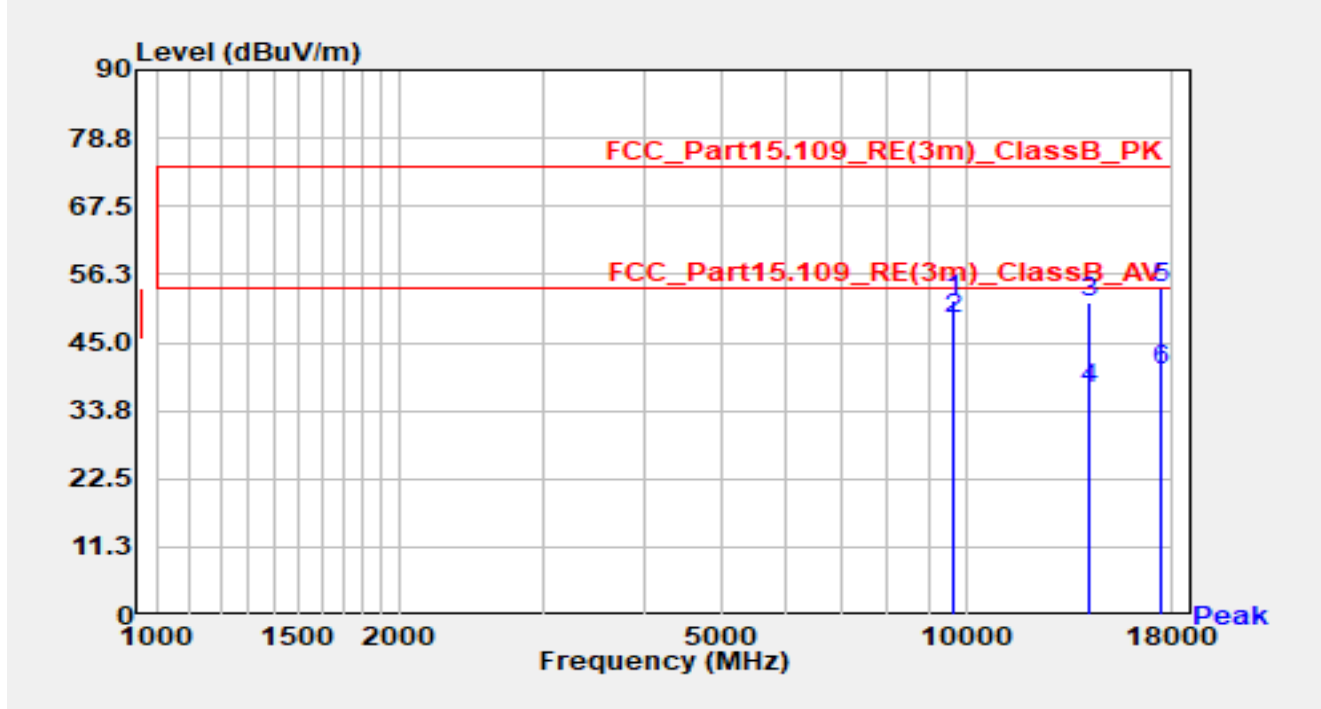


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		37.932	11.10	17.79	28.89	-11.11	40.00	QP
2		58.020	11.30	18.28	29.58	-10.42	40.00	QP
3		79.800	15.80	14.25	30.05	-9.95	40.00	QP
4	*	173.814	18.91	17.50	36.41	-7.09	43.50	QP
5		250.038	19.51	17.02	36.53	-9.47	46.00	QP
6		394.716	11.57	20.81	32.38	-13.62	46.00	QP

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-07
Test Engineer	Barry Wu	Temp./Humidity	21.1°C/51.5%
Factor	HF907_102861_1-18GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 7		

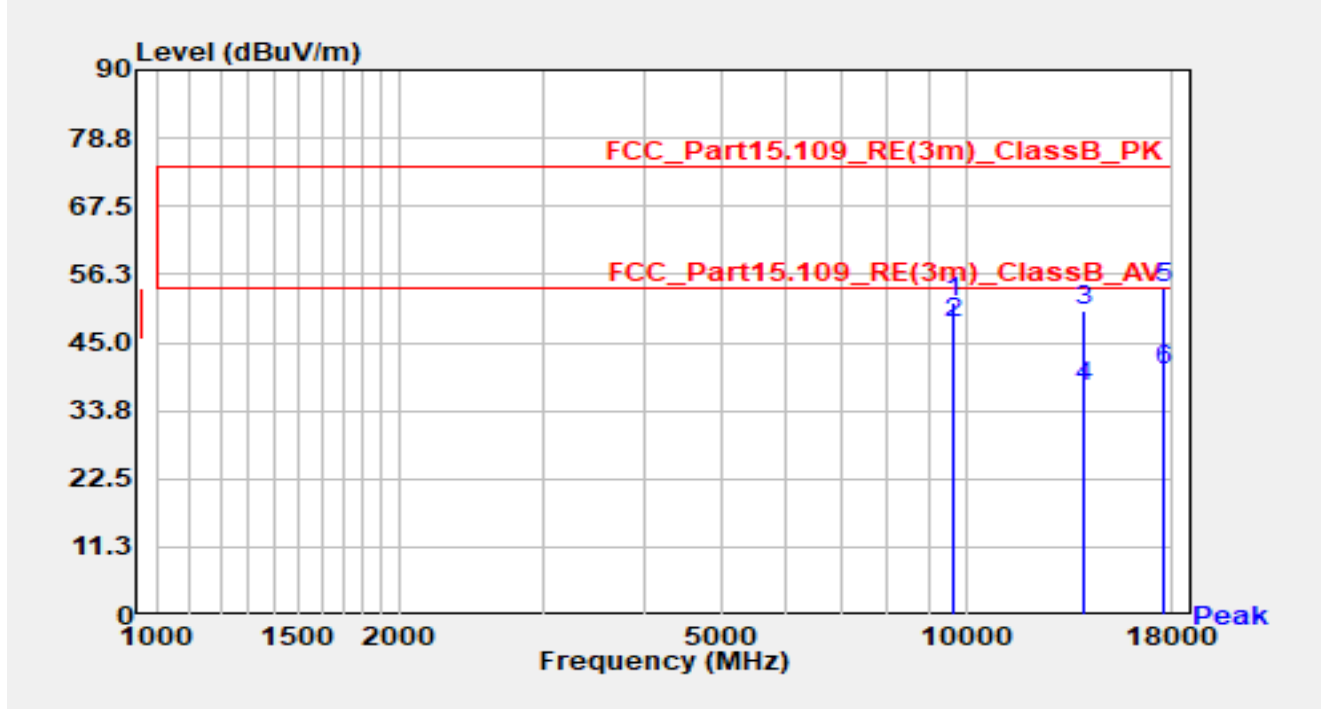


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		9647.900	53.61	-1.55	52.05	-21.95	74.00	Peak
2	*	9647.900	50.38	-1.55	48.83	-5.17	54.00	Average
3		14236.200	48.49	3.20	51.69	-22.31	74.00	Peak
4		14236.200	34.10	3.20	37.30	-16.70	54.00	Average
5		17435.600	45.08	8.80	53.88	-20.12	74.00	Peak
6		17435.600	31.50	8.80	40.30	-13.70	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-07
Test Engineer	Barry Wu	Temp./Humidity	21.1°C/51.5%
Factor	HF907_102861_1-18GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 7		

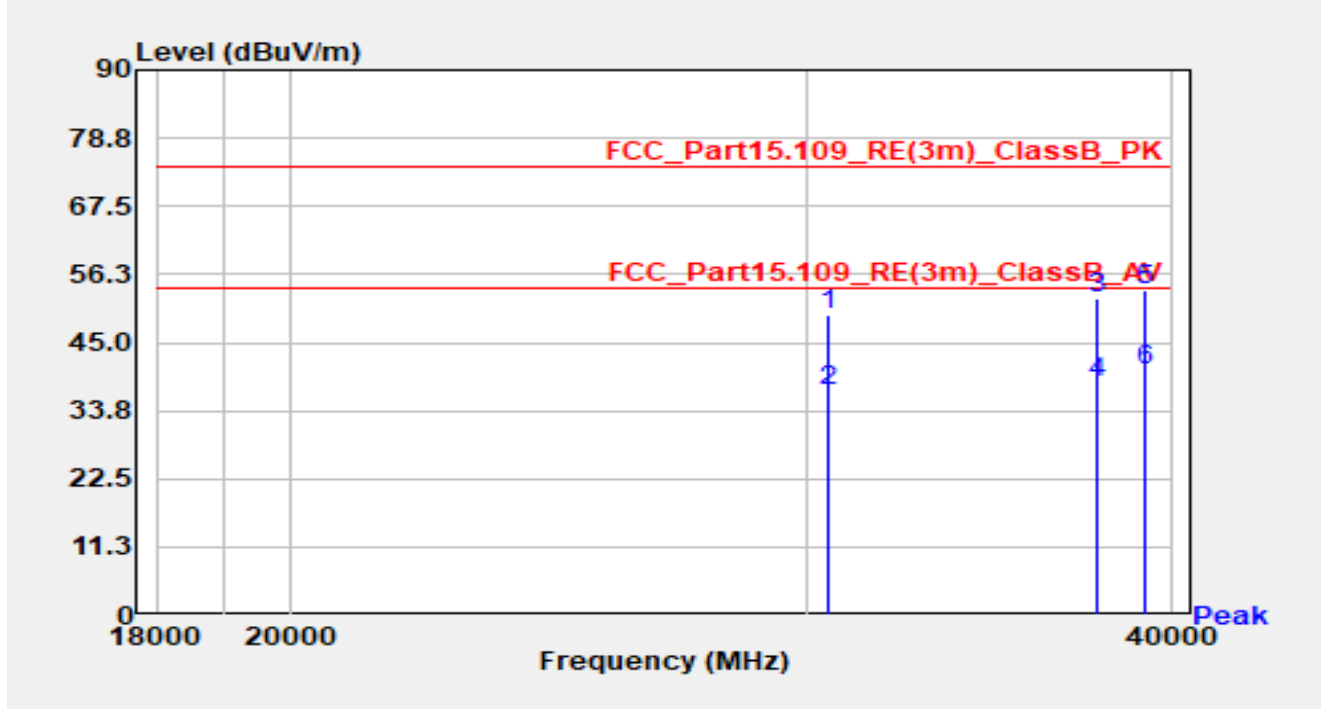


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		9647.900	53.26	-1.55	51.71	-22.29	74.00	Peak
2	*	9647.900	49.70	-1.55	48.15	-5.85	54.00	Average
3		14006.700	46.78	3.64	50.43	-23.57	74.00	Peak
4		14006.700	34.20	3.64	37.84	-16.16	54.00	Average
5		17541.000	45.12	9.01	54.13	-19.87	74.00	Peak
6		17541.000	31.30	9.01	40.31	-13.69	54.00	Average

Notes:

1. " * ", means this data is the worst emission level.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-15
Test Engineer	Mero Zhou	Temp./Humidity	20.7°C/62.4%
Factor	BBHA 9170_00934_18-40GHz	Polarity	Horizontal
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 7		

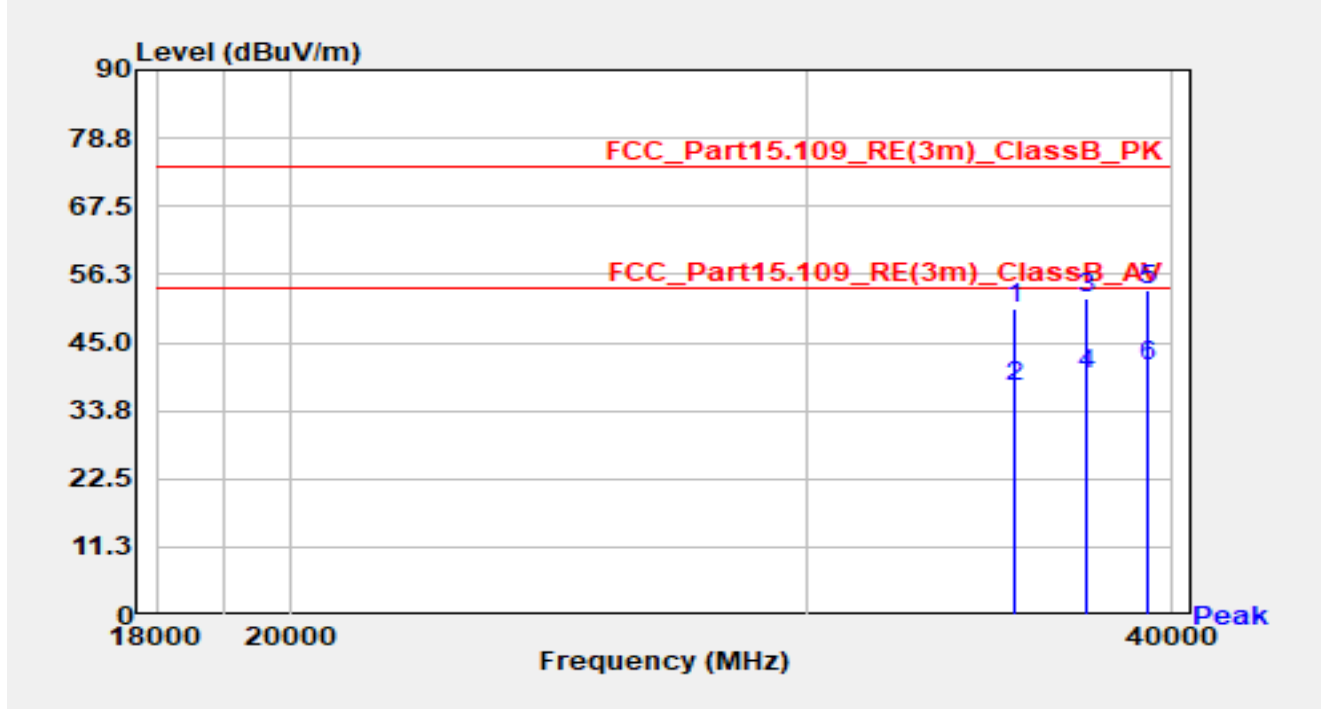


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		30511.400	58.05	-8.36	49.69	-24.31	74.00	Peak
2		30511.400	45.33	-8.36	36.97	-17.03	54.00	Average
3		37670.200	55.92	-3.66	52.26	-21.74	74.00	Peak
4		37670.200	42.03	-3.66	38.37	-15.63	54.00	Average
5		39142.000	54.68	-1.09	53.59	-20.41	74.00	Peak
6	*	39142.000	41.57	-1.09	40.48	-13.52	54.00	Average

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Site	SIP-AC3	Test Date	2024-11-15
Test Engineer	Mero Zhou	Temp./Humidity	20.7°C/62.4%
Factor	BBHA 9170_00934_18-40GHz	Polarity	Vertical
EUT	HAN Access Point (AP521)	Test Voltage	AC 120V/60Hz
Test Mode	Mode 7		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		35362.400	57.59	-6.91	50.69	-23.31	74.00	Peak
2		35362.400	44.58	-6.91	37.67	-16.33	54.00	Average
3		37362.200	56.08	-3.69	52.38	-21.62	74.00	Peak
4		37362.200	43.38	-3.69	39.69	-14.31	54.00	Average
5		39258.600	52.99	0.62	53.60	-20.40	74.00	Peak
6	*	39258.600	40.47	0.62	41.09	-12.91	54.00	Average

Notes:

- " * ", means this data is the worst emission level.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - AMP (dB).
- Measurement(dBμV/m) = Reading(dBμV) + C.F (dB/m).

Appendix A - Test Setup Photograph

Refer to “2412RSU039-UT” file.

Appendix B - EUT Photograph

Refer to “2412RSU039-UE” file.