



RF Co-location Report

FCC ID: Q9DAPIN0745

Application: Hewlett Packard Enterprise Company

Product: ACCESS POINT

Model No.: APIN0745

Trademark: 
Hewlett Packard
Enterprise

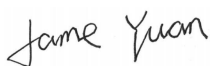
FCC Rule Part(s): Part 15 Subpart C (Section 15.247)
Part 15 Subpart E (Section 15.407)

Result: Complies

Received Date: 2025-07-21

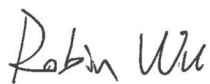
Test Date: 2025-08-21

Reviewed By:



Jame Yuan

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. Testing was performed in accordance with the applicable measurement procedures. The test results reported herein apply only to the specific 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
R25S1034072-U207	V01	Initial Report	2025-10-10	Valid

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1.1. Applicant

1.2. Manufacturer

1.3. Testing Facility

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1.4. Product Information

Product Name	ACCESS POINT
Model No.	APIN0745
Serial No.	CNTZMWR04X, CNTZMWR057
Software Version	7.2GA F.1.01 include Aruba MCU code
Wi-Fi Specification	802.11a/b/g/n/ac/ax/be
Bluetooth Specification	single mode, BLE only
Zigbee Specification	802.15.4
Antenna Specification	Refer to clause 1.7
Operating Temp.	0 ~ 40 °C
Power Type	PoE Input
Accessory	
PoE Injector	Model: PA-1600-86 Input: 100-240 V ~ 2.0 A, 50/60 Hz Output: 54.0 V = 1.11 A, 60.0 W
Note: The information of the EUT (Equipment Under Test) was provided by the manufacturer. The accuracy, completeness, and validity of the information are solely the responsibility of the manufacturer.	

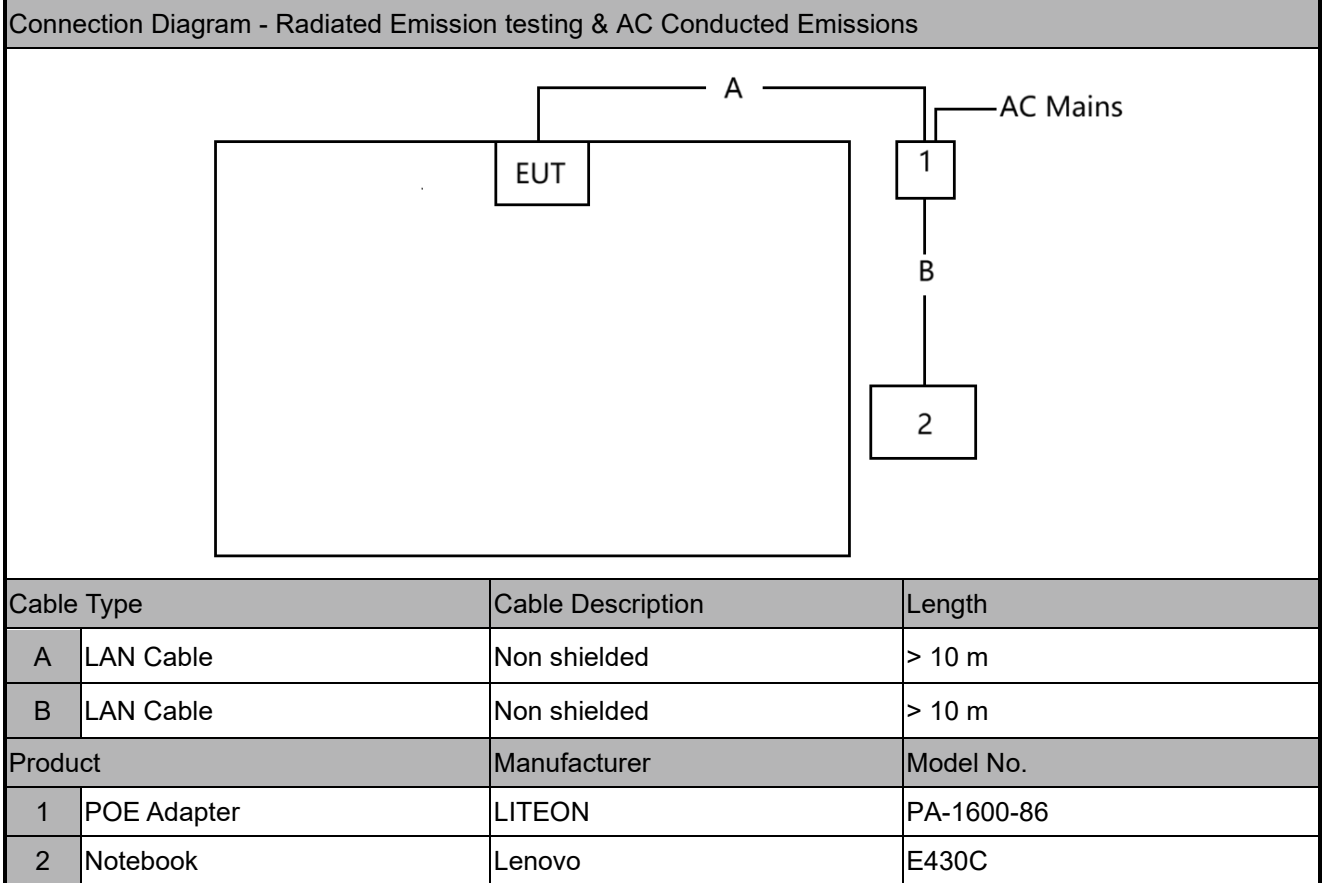
2. Test Configuration

2.1. Test Mode

Mode 1: Transmit by 802.11b at 2437 MHz & 802.11be-EHT20 5240 MHz & 802.11ax-HE160 6985 MHz & BLE 1M-2440 MHz

Mode 2: Transmit by 802.11b at 2437 MHz & 802.11be-EHT20 5240 MHz & 802.11ax-HE160 6985 MHz & Zigbee 2440 MHz

2.2. Test System Connection Diagram



2.3. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C §15.247
- FCC Part 15 Subpart E §15.407
- KDB 558074 D01 v05r02
- KDB 789033 D02 v02r01
- ANSI C63.10-2020

2.4. Test Environment Condition

Ambient Temperature	15 ~ 35 °C
Relative Humidity	20% ~ 75%RH

3. Measuring Instrument

Instrument Name	Manufacturer	Model No.	Asset No.	Cali. Interval	Cal. Due Date	Test Site
Thermohygrometer	testo	608-H1	MRTSUE11263	1 year	2025-10-16	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2026-04-17	WZ-AC2
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2026-03-22	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2026-04-26	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2025-09-23	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2026-03-18	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06597	1 year	2025-11-03	WZ-AC2
Preamplifier	EMCI	EMC184045SE	MRTSUE06640	1 year	2026-01-09	WZ-AC2

Software	Version	Function
e3	230711	RE & CE
Controller_MF 7802	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 $k = 2$.

Radiated Spurious Emissions

The maximum measurement uncertainty is evaluated as:

Coaxial: 9 kHz ~ 30 MHz: 2.35 dB

Coplanar: 9 kHz ~ 30 MHz: 2.37 dB

Horizontal: 30 MHz ~ 200 MHz: 3.47 dB

200 MHz ~ 1 GHz: 4.17 dB

1 GHz ~ 40 GHz: 4.97 dB

Vertical: 30 MHz ~ 200 MHz: 4.07 dB

200 MHz ~ 1 GHz: 5.28 dB

1 GHz ~ 40 GHz: 4.84 dB

5. Radiated Spurious Emissions Measurement (Co-location)

5.1. Test Limit

For 15.247(d) requirement

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

For 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Refer to KDB 789033 D02 v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [μV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

5.2. Test Procedure

ANSI C63.10-2020 - Section 11.11 & 11.12

ANSI C63.10-2020 - Section 6.3 (General Requirements)

ANSI C63.10-2020 - Section 6.4 (Standard test method below 30 MHz)

ANSI C63.10-2020 - Section 6.5 (Standard test method above 30 MHz to 1 GHz)

ANSI C63.10-2020 - Section 6.6 (Standard test method above 1 GHz)

5.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Quasi-Peak Measurements below 1 GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1 MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1 GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW = 3 MHz
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

Average Measurements above 1 GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW; if the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz

If the EUT duty cycle is $< 98\%$, set $\text{VBW} \geq 1/T$. T is the minimum transmission duration.

BLE:

For 1 Mbps, VBW = 2.7 kHz; For 2 Mbps, VBW = 5.6 kHz

2.4G WiFi:

802.11b	120 Hz	802.11g	510 Hz	802.11n-HT20	560 Hz
802.11ax-HE20	3300 Hz	802.11be-EHT20	3300 Hz	--	--

5G WiFi:

802.11a	510 Hz	802.11ac-VHT20	6800 Hz	802.11ac-VHT40	8200 Hz
802.11ac-VHT80	9100 Hz	802.11ax-HE20	3300 Hz	802.11ax-HE40	3300 Hz
802.11ax-HE80	3600 Hz	802.11be-EHT20	3300 Hz	802.11be-EHT40	3600 Hz
802.11be-EHT80	3600 Hz	--	--	--	--

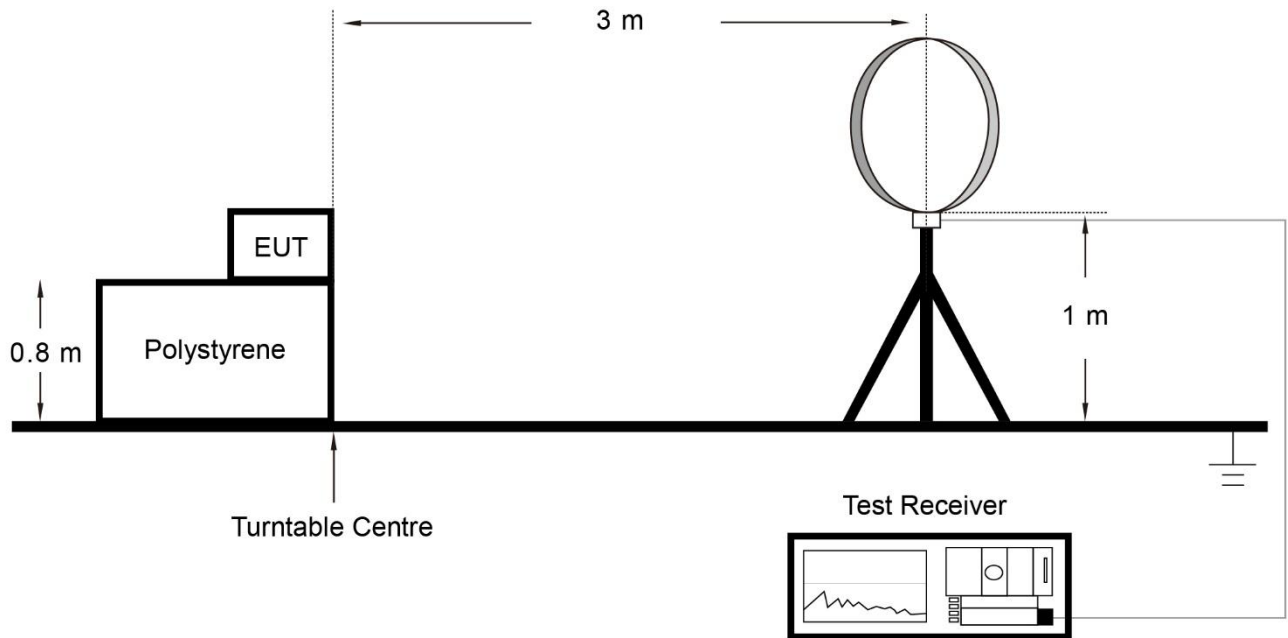
6G WiFi:

802.11ax-HE20	3300 Hz	802.11ax-HE40	2200 Hz	802.11ax-HE80	2700 Hz
802.11ax-HE160	3000 Hz	802.11be-EHT20	3300 Hz	802.11be-EHT40	3300 Hz
802.11be-EHT80	3300 Hz	802.11be-EHT160	3300 Hz	--	--

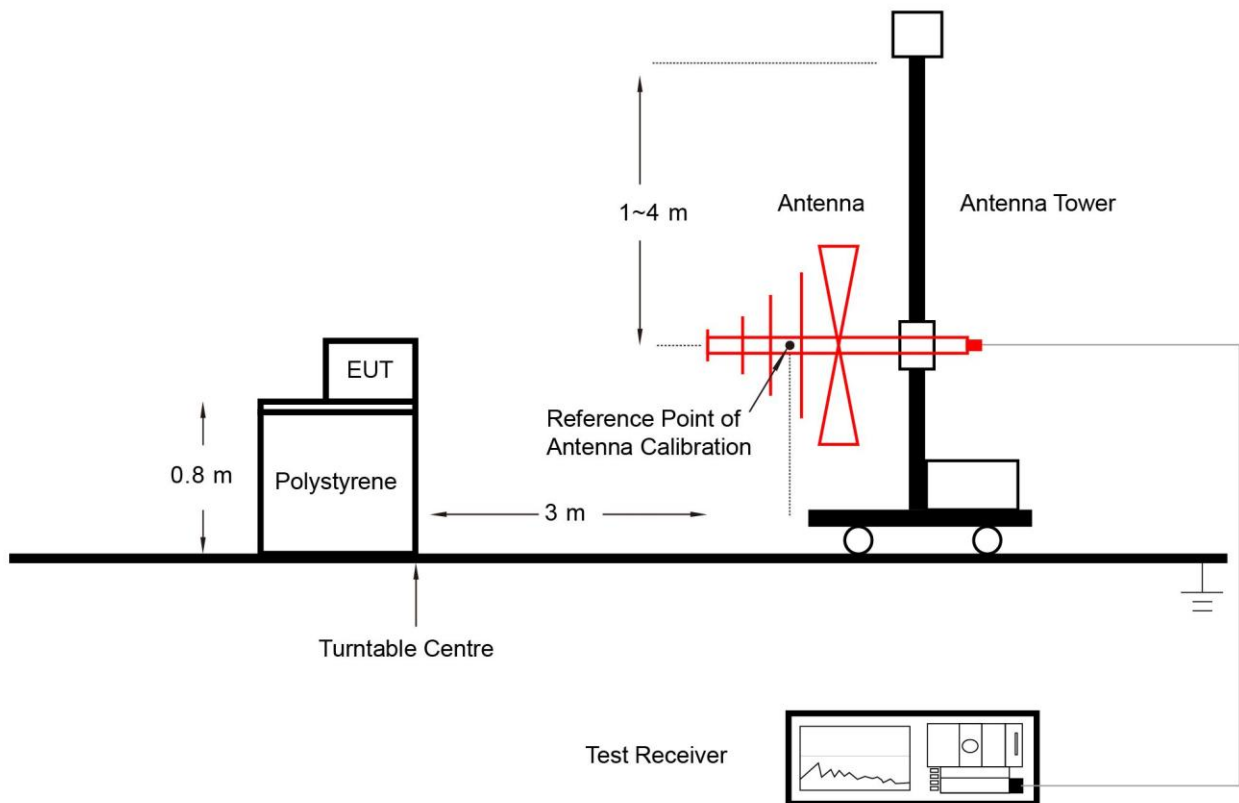
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Trace was allowed to stabilize

5.4. Test Setup

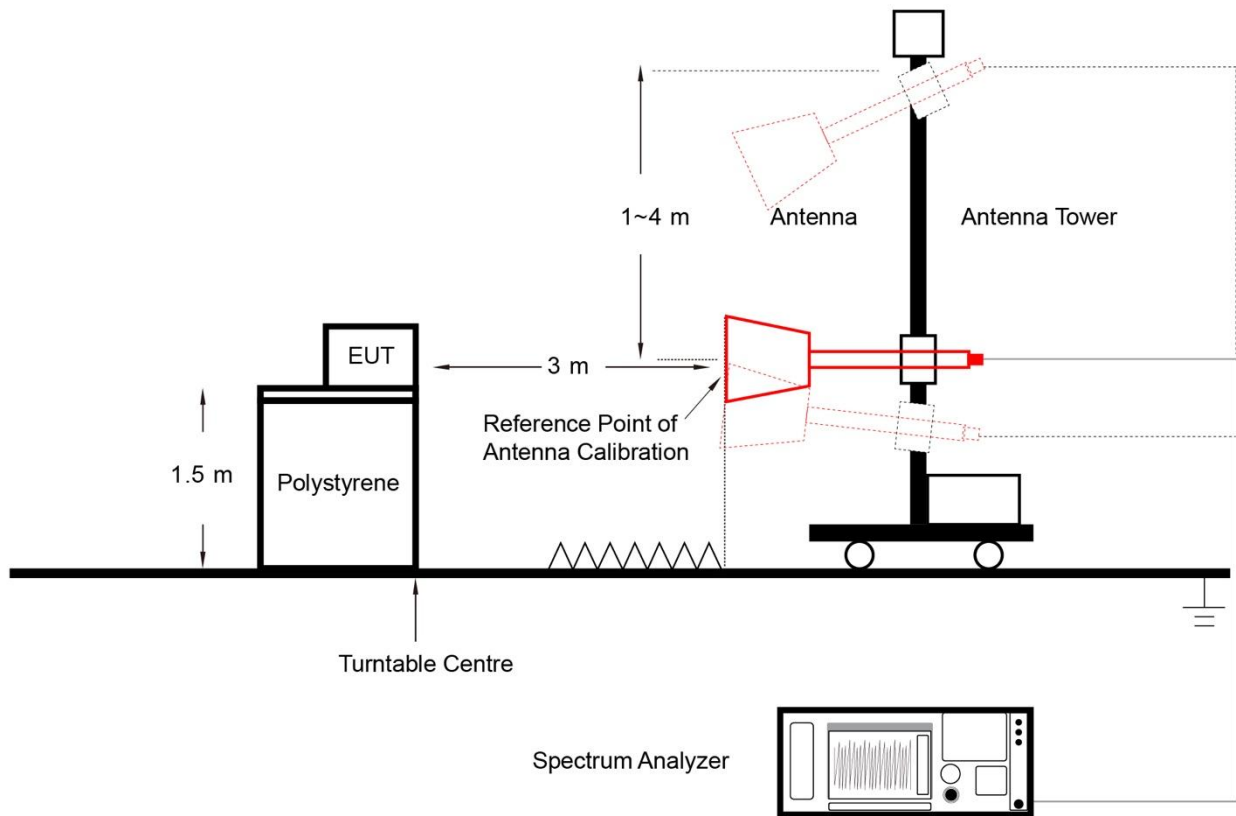
Below 30 MHz Test Setup:



Below 1 GHz Test Setup:



Above 1 GHz Test Setup:



5.5. Test Result

Test Site	WJ-AC2	Test Engineer	Ajin Fan
Test Date	2025-08-21	Test Mode	Mode 1
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report.		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
10147.70	33.92	13.17	47.09	68.20	-21.11	Peak	Horizontal
11094.60	33.01	15.79	48.80	74.00	-25.20	Peak	Horizontal
13802.70	31.00	18.75	49.75	68.20	-18.45	Peak	Horizontal
17950.70	15.36	28.61	43.97	54.00	-10.03	Average	Horizontal
17950.70	30.90	28.61	59.51	74.00	-14.49	Peak	Horizontal
11659.00	32.55	16.37	48.92	74.00	-25.08	Peak	Vertical
13824.80	30.72	18.69	49.41	68.20	-18.79	Peak	Vertical
14883.90	31.41	18.80	50.21	68.20	-17.99	Peak	Vertical
17947.30	15.32	28.63	43.95	54.00	-10.05	Average	Vertical
17947.30	30.48	28.63	59.11	74.00	-14.89	Peak	Vertical

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

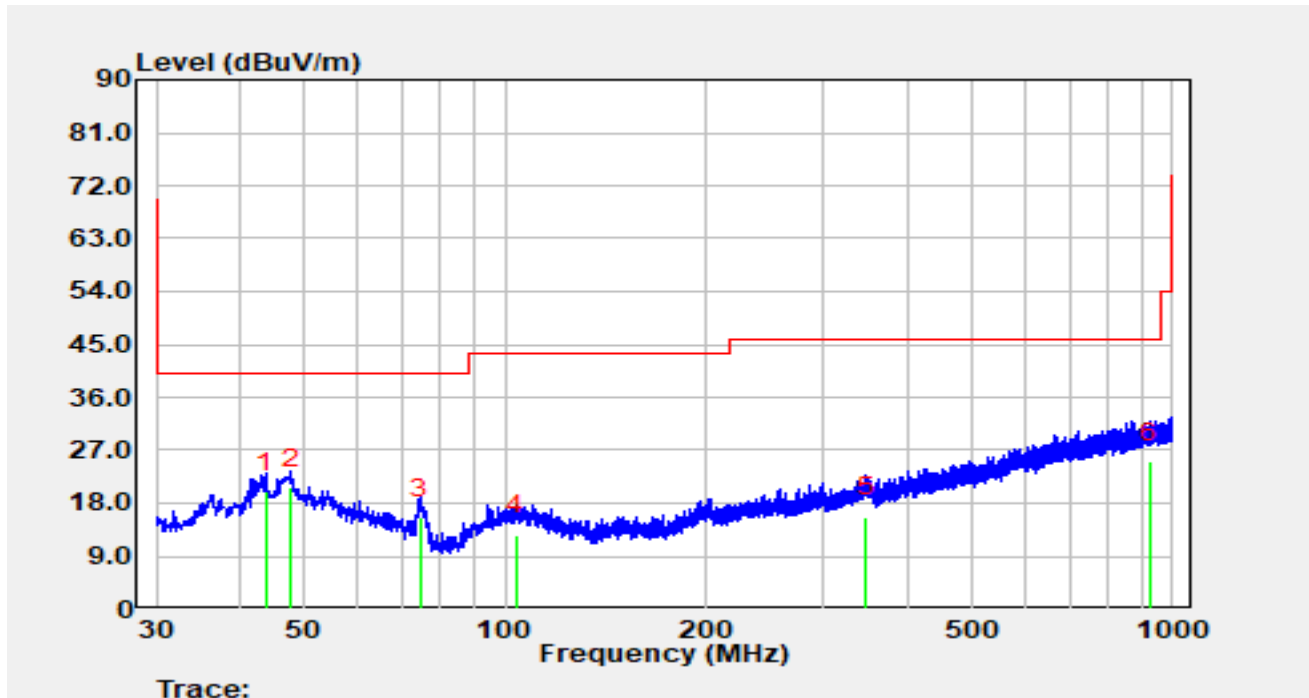
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	WJ-AC2	Test Engineer	Ajin Fan
Test Date	2025-08-21	Test Mode	Mode 2
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20 dB below limit line within 1-18 GHz, there is not show in the report.		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
10064.40	32.41	13.00	45.41	68.20	-22.79	Peak	Horizontal
11854.50	30.77	16.07	46.84	74.00	-27.16	Peak	Horizontal
13882.60	30.62	18.79	49.41	68.20	-18.79	Peak	Horizontal
17957.50	15.12	28.48	43.60	54.00	-10.40	Average	Horizontal
17957.50	28.66	28.48	57.14	74.00	-16.86	Peak	Horizontal
9875.70	32.39	12.97	45.36	68.20	-22.84	Peak	Vertical
11217.00	30.72	16.22	46.94	74.00	-27.06	Peak	Vertical
13998.20	30.64	18.97	49.61	68.20	-18.59	Peak	Vertical
17852.10	15.96	28.58	44.54	54.00	-9.46	Average	Vertical
17852.10	28.89	28.58	57.47	74.00	-16.53	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)							

The Result of Radiated Emission below 1 GHz:

Site	WZ-AC2	Test Date	2025-08-21
Temperature	23.5 °C	Humidity	42.9%
Limit	FCC_Part 15.209_RSE (3 m)	Test Engineer	Dick Shen
Test Voltage	By PoE	Polarity	Horizontal
Test Mode	Mode 1		

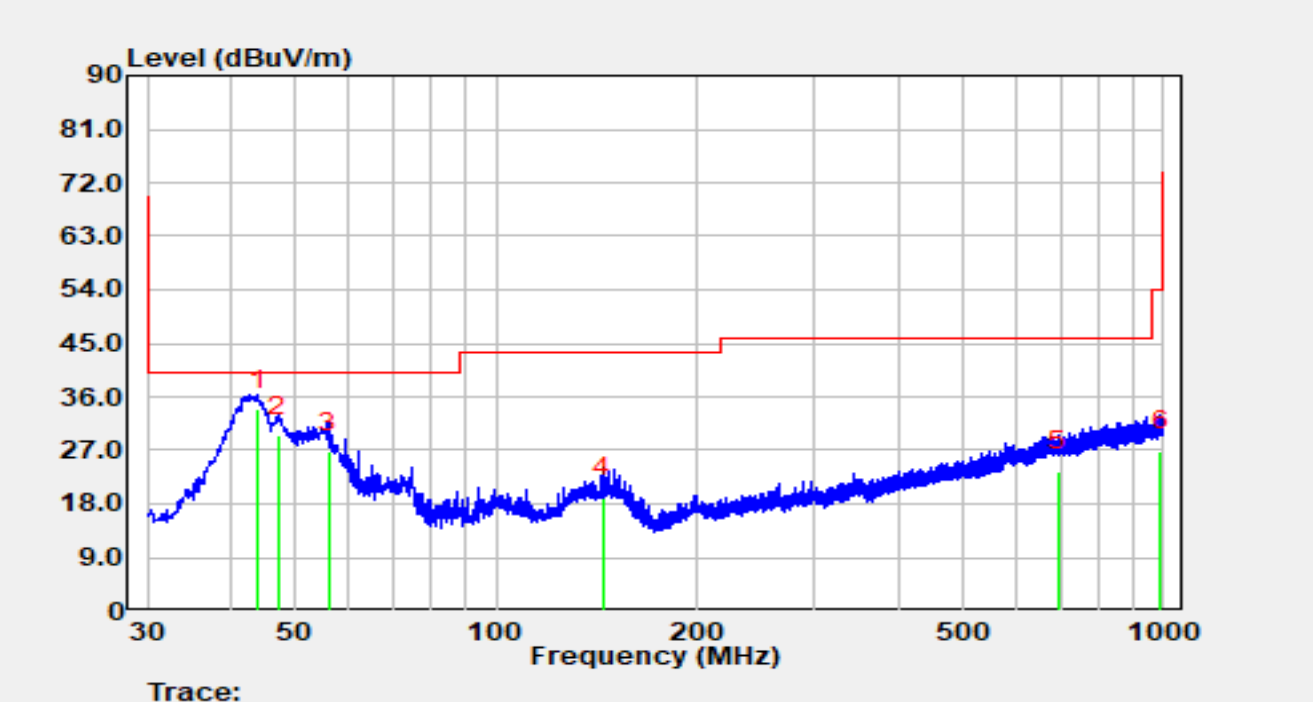


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		43.68	-0.16	20.13	19.97	-20.03	40.00	QP
2	*	47.85	0.12	20.49	20.60	-19.40	40.00	QP
3		74.52	0.60	14.90	15.50	-24.50	40.00	QP
4		104.01	-6.16	18.83	12.67	-30.83	43.50	QP
5		347.09	-7.16	22.81	15.65	-30.35	46.00	QP
6		923.18	-6.26	31.35	25.09	-20.91	46.00	QP

Notes:

- "*" indicates the worst-case emission level observed during the measurement.
- C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
- Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

Site	WZ-AC2	Test Date	2025-08-21
Temperature	23.5 °C	Humidity	42.9%
Limit	FCC_Part 15.209_RSE (3 m)	Test Engineer	Dick Shen
Test Voltage	By PoE	Polarity	Vertical
Test Mode	Mode 1		



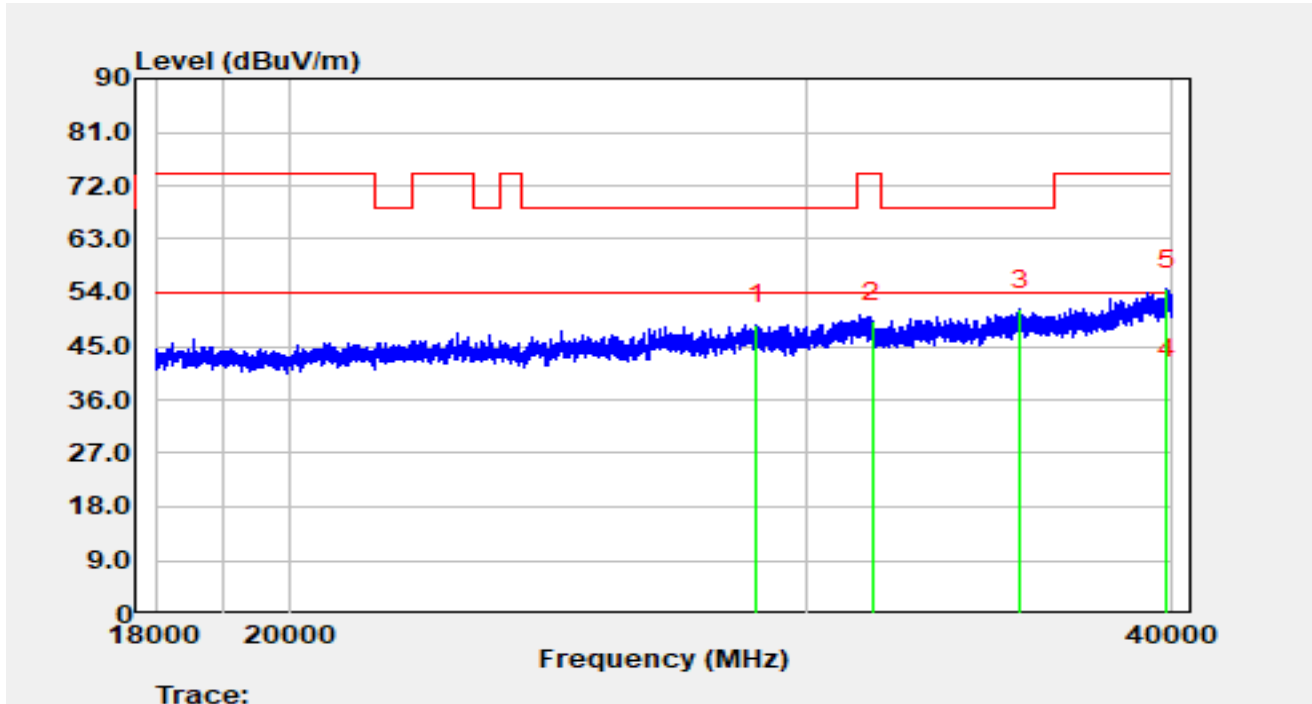
No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1	*	43.90	13.70	20.14	33.84	-6.16	40.00	QP
2		47.07	8.82	20.59	29.41	-10.59	40.00	QP
3		56.00	6.65	20.05	26.70	-13.30	40.00	QP
4		144.56	3.97	15.12	19.08	-24.42	43.50	QP
5		695.52	-4.99	28.54	23.55	-22.45	46.00	QP
6		992.05	-5.31	32.23	26.93	-27.07	54.00	QP

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
2. C.F (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBμV/m) = Reading (dBμV) + C.F (dB/m).

The Result of Radiated Emission above 18 GHz:

Site	WZ-AC2	Test Date	2025-08-22
Temperature	23.5 °C	Humidity	40.1%
Limit	FCC_Part 15.209_RSE (3 m)	Test Engineer	Ajin Fan
Test Voltage	By PoE	Polarity	Horizontal
Test Mode	Mode 1		

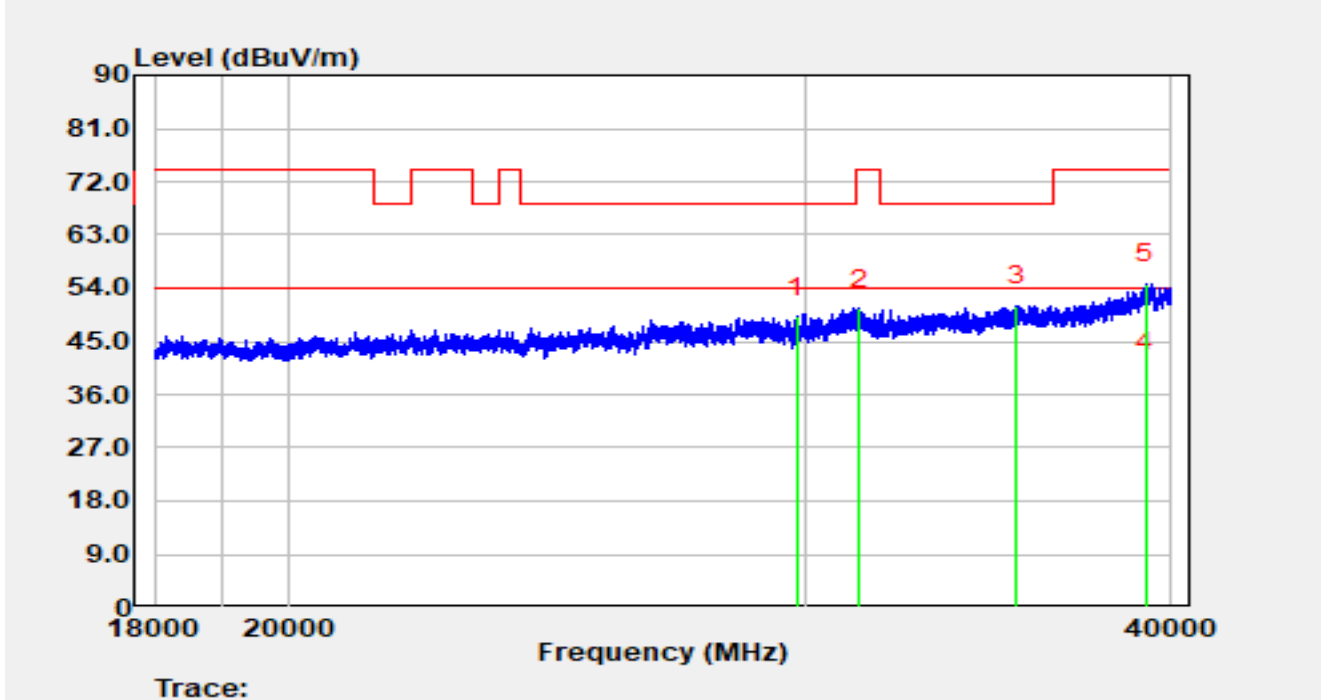


No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		28850.40	54.26	-5.58	48.68	-19.52	68.20	Peak
2		31600.40	53.62	-4.50	49.12	-24.88	74.00	Peak
3		35490.00	56.46	-5.25	51.21	-16.99	68.20	Peak
4	*	39828.40	38.96	0.70	39.66	-14.34	54.00	Average
5		39828.40	53.96	0.70	54.66	-19.34	74.00	Peak

Notes:

1. " * " indicates the worst-case emission level observed during the measurement.
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	2025-08-22
Temperature	23.5 °C	Humidity	40.1%
Limit	FCC_Part 15.209_RSE (3 m)	Test Engineer	Ajin Fan
Test Voltage	By PoE	Polarity	Vertical
Test Mode	Mode 1		



No	Mark	Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Detector
1		29792.00	55.47	-6.31	49.16	-19.04	68.20	Peak
2		31299.00	53.93	-3.38	50.55	-23.45	74.00	Peak
3		35435.00	56.64	-5.54	51.10	-17.10	68.20	Peak
4	*	39214.60	39.55	0.29	39.84	-14.16	54.00	Average
5		39214.60	54.56	0.29	54.84	-19.16	74.00	Peak

Notes:

- " * " indicates the worst-case emission level observed during the measurement.
- 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 “R25S1034072-UT” file.

Appendix B - EUT Photograph

Refer to “R25S1034072-UE” file.

_____ The End _____