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Report No.: 2603TW0115-U7
Report Version: V1.0
Issue Date: 2026-06-25

RF Co-location Report

FCC ID: Q9DAPINH721

Application: Hewlett Packard Enterprise Company

Product: Access Point

Model No.: APINH721

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: 2026-03-20

Test Date: 2026-05-22~2026-05-27

Reviewed By:

Paddy Chen

Paddy Chen

Approved By:

Chenz Ker

Chenz Ker



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 (Taiwan) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2603TW0115-U7	V1.0	Original Report	2026-06-25	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.	APINH721
Software Version	F.1.00
EUT Identification No.	CNVYN1905S
Wi-Fi Specification	802.11a/b/g/n/ac/ax/be
Bluetooth Specification	BLE only
ZigBee Specification	802.15.4
Operating Temp	0 ~ 40 °C
Power Type	AC/DC Adapter or PoE Injector Input
Note 1: 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.	

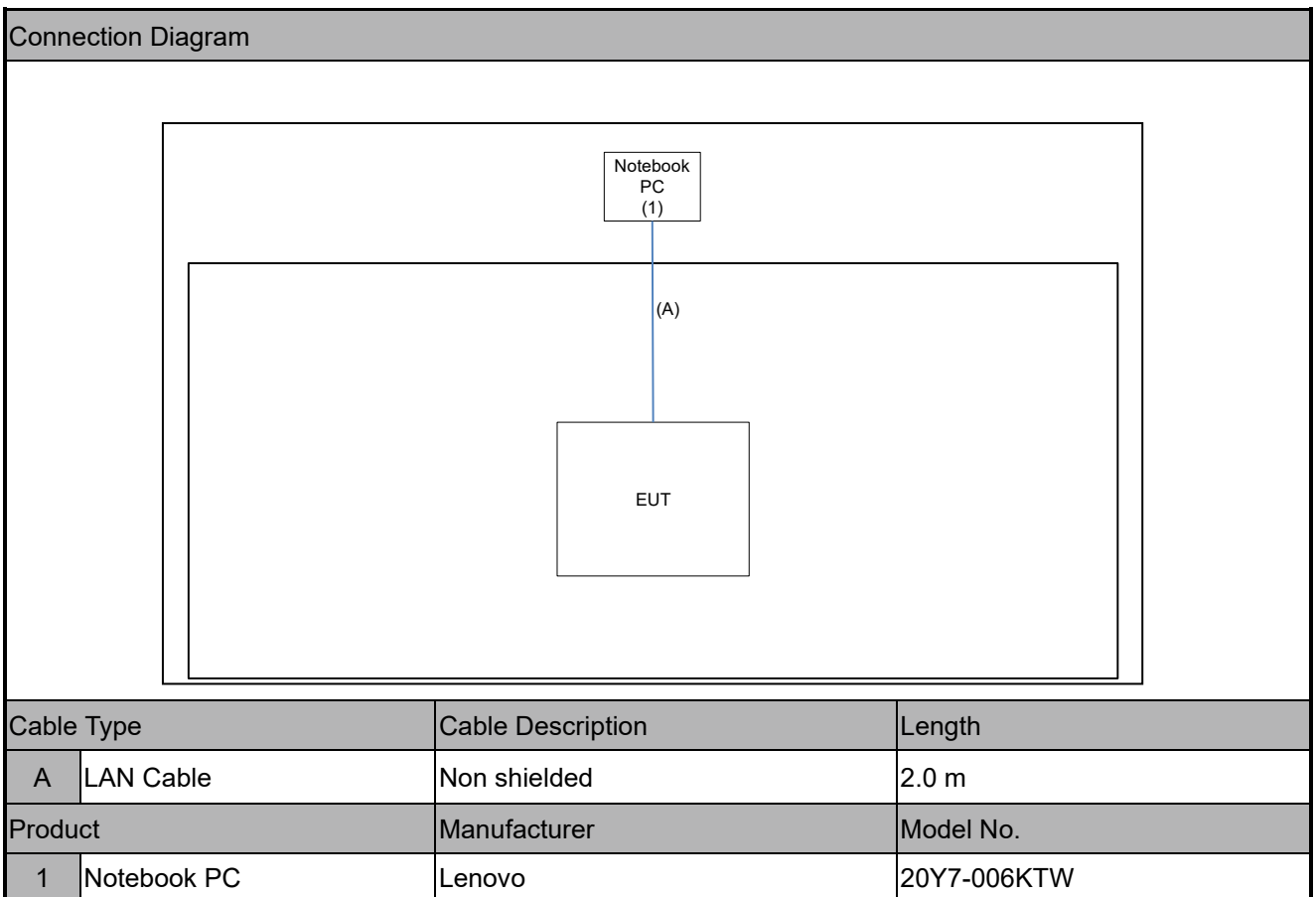
2. Test Configuration

2.1. Test Mode

Test Mode 1: BLE_1M_CH19 + WIFI2.4G g CH 1_2TX + WIFI5G a_Band1_CH 36_2TX

Test Mode 2: Zigbee_CH18 + WIFI2.4G g CH 1_2TX + WIFI6G be40_Band7_CH 147_2TX

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 CFR 47 Part 15 Subpart C §15.247
- FCC CFR 47 Part 15 Subpart E §15.407
- KDB 789033 D02 v02r01
- ANSI C63.10-2020
- ANSI C63.10-2020/Cor1-2023
- ANSI C63.10a-2024
- ANSI C63.26-2015
- KDB 971168 D01 v03r1

2.4. Test Environment Condition

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

3. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	MRTTWA00002	1 year	2026/4/16	TW-AC2
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	MRTTWA00002	1 year	2027/4/15	TW-AC2
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00086	1 year	2026/11/13	TW-AC2
Broadband Hornantenna	RFSPIN	DRH18-E	MRTTWA00087	1 year	2026/5/14	TW-AC2
Broadband Preamplifier	EMC Instruments corporation	EMC118A45SE	MRTTWA00088	1 year	2026/5/12	TW-AC2
Breitband Hornantenna	SCHWARZBECK	BBHA 9170	MRTTWA00004	1 year	2026/3/26	TW-AC2
Breitband Hornantenna	SCHWARZBECK	BBHA 9170	MRTTWA00004	1 year	2027/3/25	TW-AC2
Broadband Amplifier	SCHWARZBECK	BBV 9721	MRTTWA00006	1 year	2026/3/25	TW-AC2
Broadband Amplifier	SCHWARZBECK	BBV 9721	MRTTWA00006	1 year	2027/3/24	TW-AC2
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2027/3/4	TW-AC2
Signal Analyzer	R&S	FSVA3044	MRTTWA00092	1 year	2026/9/9	TW-AC2
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2027/3/3	TW-SR2
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2026/4/15	TW-SR2
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2027/4/14	TW-SR2
EMI Test Receiver	R&S	ESR3	MRTTWA00045	1 year	2026/5/13	TW-SR2
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2026/10/20	TW-SR7
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTTWA00074	1 year	2026/7/14	TW-SR7
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00014	1 year	2026/4/15	TW-SR7
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00014	1 year	2027/4/14	TW-SR7
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00015	1 year	2027/3/10	TW-SR7
Programmable Temperature & Humidity Chamber	TEN BILLION	TTH-B3UP	MRTTWA00036	1 year	2026/7/3	TW-SR3

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

Radiated Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 9kHz ~ 1GHz: $\pm 4.25\text{dB}$ 1GHz ~ 40GHz: $\pm 4.45\text{dB}$

5. Radiated Spurious Emissions Measurement (Co-location)

5.1. Test Limit

For 15.247(b) 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 15.247(d) requirement:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

For 15.407(b) requirement:

- (1) 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.
- (2) 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.
- (3) 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.
- (4) 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.

(5) For transmitters operating solely in the 5.850-5.895 GHz band or operating on a channel that spans across 5.725-5.895 GHz:

- i. For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of -7 dBm/MHz at or above 5.925 GHz.
- ii. For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz.
- iii. For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.

(6) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

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

Note:

Spurious emissions shall comply with the FCC rule part applicable to the device responsible for generating the emission. If the spurious emission is caused by the simultaneous operation of both devices, the limit is the highest level allowed by either rule part.

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)
- ANSI C63.26 - 2015 - Section 5.2.7 & 5.5

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

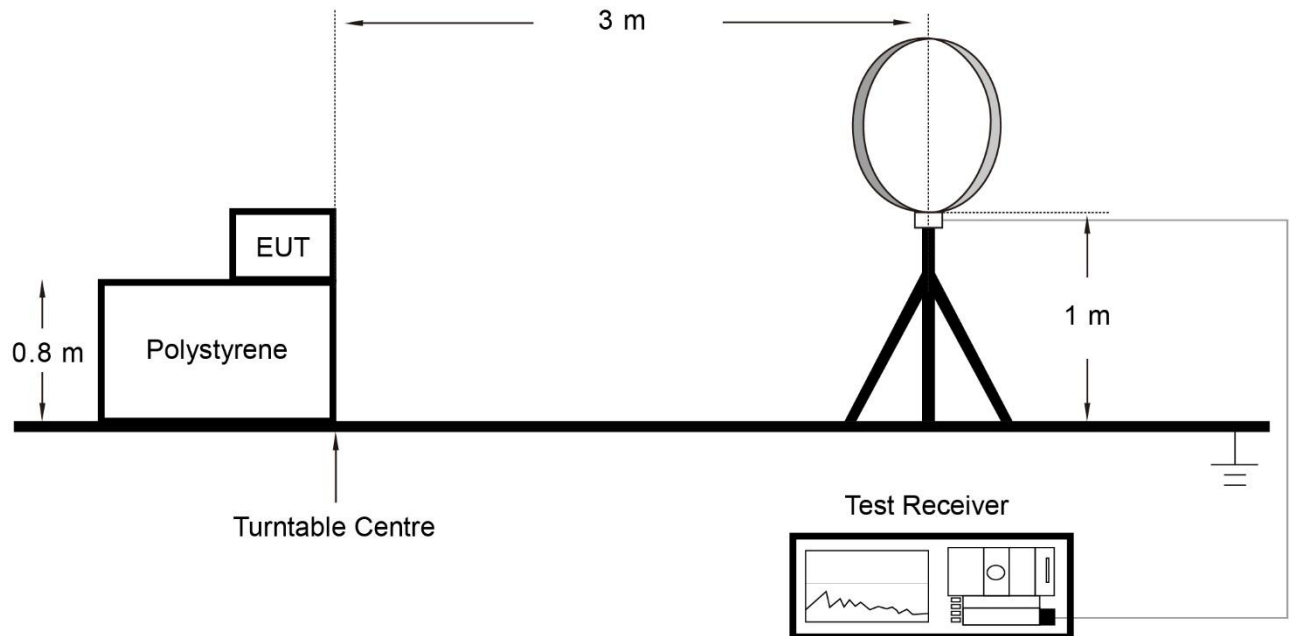
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW = 3 MHz
4. Detector = Peak
5. Sweep time = Auto couple
6. Trace mode = Max hold
7. Trace was allowed to stabilize

Average Measurements above 1 GHz (Method VB)

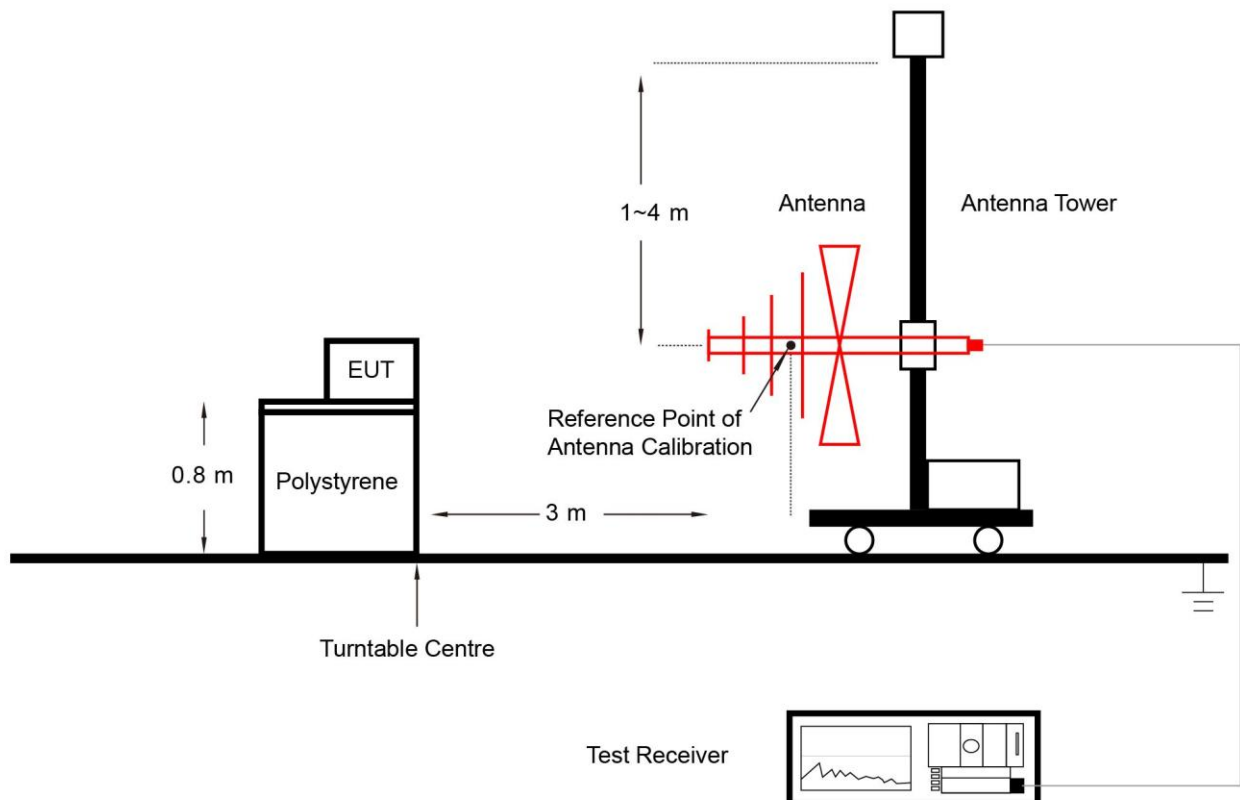
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1 MHz
3. VBW; if the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. 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

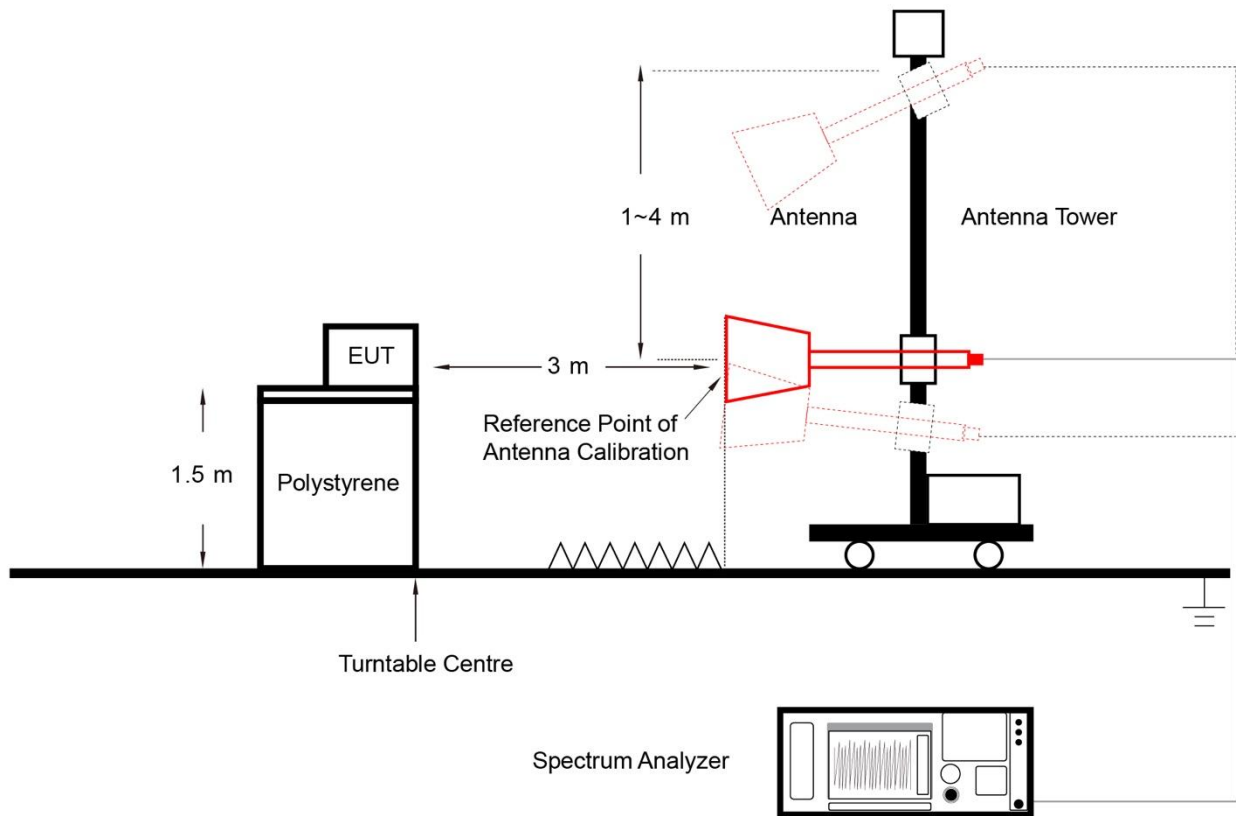
Below 30 MHz Test Setup:



Below 1 GHz Test Setup:

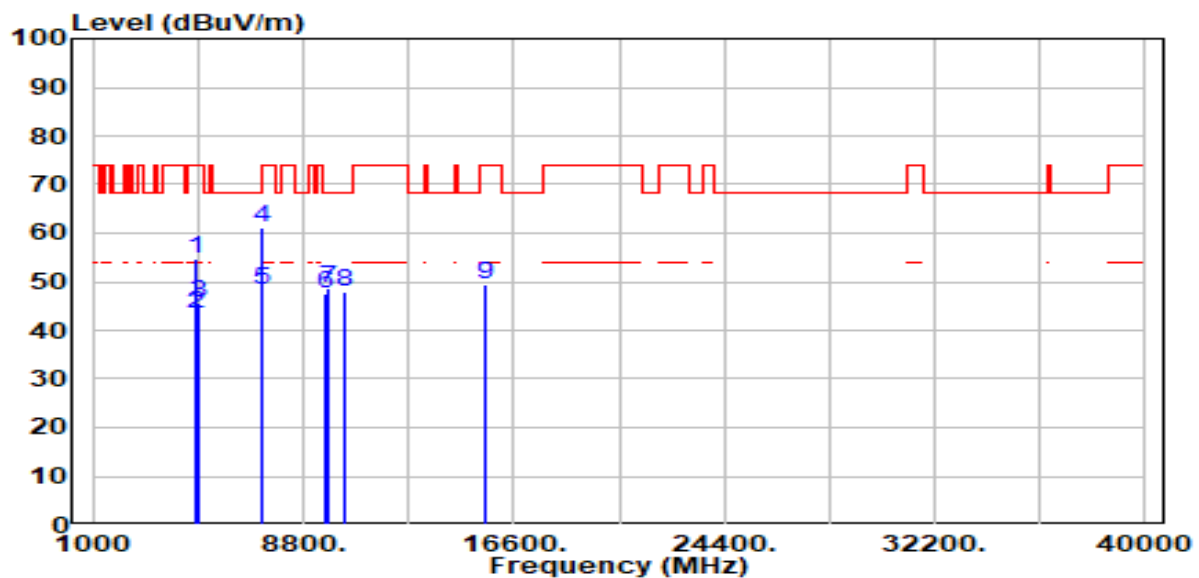


Above 1 GHz Test Setup:



5.5. Test Result

EUT	Access Point	Date of Test	2026-05-22
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23°C /61%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	BLE_1M_CH19 + WIFI2.4G g CH 1_2TX + WIFI5G a_Band1_CH 36_2TX	Test Voltage	By PoE

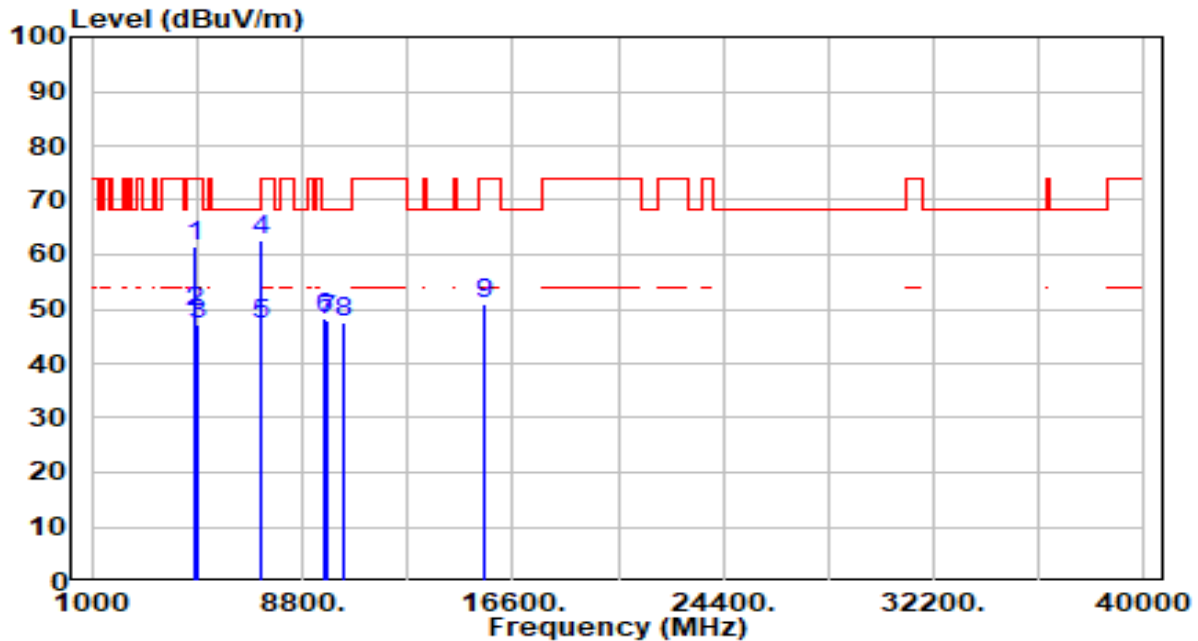


No		Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4824.000	53.26	1.48	54.74	-19.26	74.00	200	92	Peak
2	*	4824.000	41.99	1.48	43.47	-10.53	54.00	200	92	Average
3		4880.000	44.19	1.56	45.75	-28.25	74.00	100	123	Peak
4		7236.000	53.66	7.53	61.19	-29.36	90.55	100	87	Peak
5		7320.000	40.47	7.84	48.31	-25.69	74.00	300	301	Peak
6		9648.000	40.45	7.28	47.73	-20.47	68.20	100	121	Peak
7		9760.000	41.54	7.21	48.75	-19.45	68.20	300	181	Peak
8		10360.000	40.78	7.05	47.83	-20.37	68.20	300	116	Peak
9		15540.000	39.86	9.46	49.32	-24.68	74.00	163	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. The 7236MHz Limit = Fundamental – 30dB

EUT	Access Point	Date of Test	2026-05-22
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23°C /61%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	BLE_1M_CH19 + WIFI2.4G g CH 1_2TX + WIFI5G a_Band1_CH 36_2TX	Test Voltage	By PoE

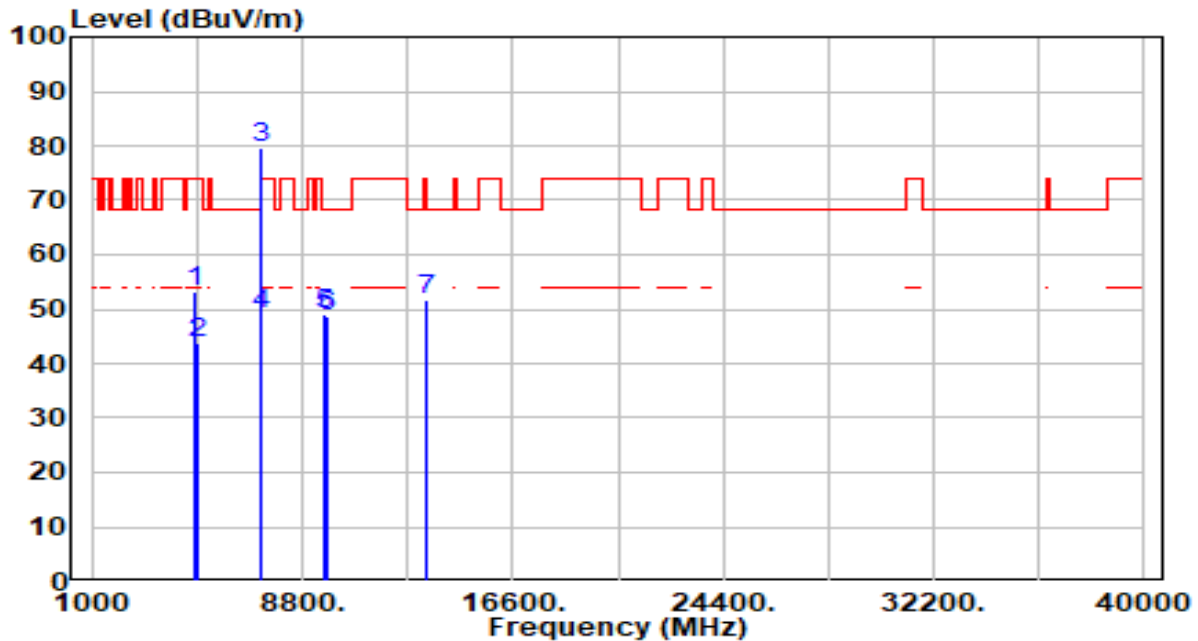


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4824.000	59.94	1.48	61.42	-12.58	74.00	200	57	Peak
2	*	4824.000	47.89	1.48	49.37	-4.63	54.00	200	57	Average
3		4880.000	45.54	1.56	47.10	-26.90	74.00	200	65	Peak
4		7236.000	55.26	7.53	62.80	-25.91	88.71	300	65	Peak
5		7320.000	39.32	7.84	47.15	-26.85	74.00	300	7	Peak
6		9648.000	40.94	7.28	48.22	-19.98	68.20	100	204	Peak
7		9760.000	40.78	7.21	47.99	-20.21	68.20	300	361	Peak
8		10360.000	40.32	7.05	47.37	-20.83	68.20	100	336	Peak
9		15540.000	41.46	9.46	50.92	-23.08	74.00	200	338	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. The 7236MHz Limit = Fundamental – 30dB

EUT	Access Point	Date of Test	2026-05-27
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23°C /61%
Polarity	Horizontal	Site / Test Engineer	AC2 / Eddie
Test Mode	Zigbee_CH18 + WIFI2.4G g CH 1_2TX + WIFI6G be40_Band7_CH 147_2TX	Test Voltage	By PoE

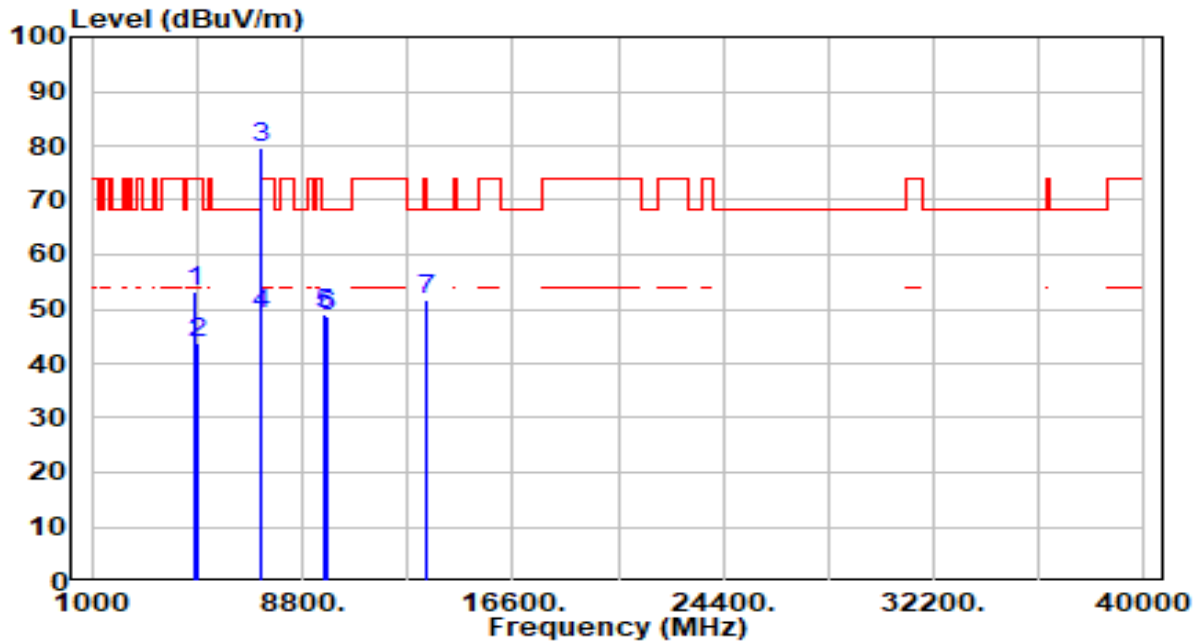


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4824.000	51.72	1.48	53.20	-20.80	74.00	200	46	Peak
2	4880.000	42.37	1.56	43.94	-30.06	74.00	300	321	Peak
3	* 7236.000	72.12	7.53	79.65	-10.90	90.55	100	90	Peak
4	7320.000	41.28	7.84	49.12	-24.88	74.00	200	42	Peak
5	9648.000	41.72	7.28	49.00	-19.20	68.20	300	28	Peak
6	9760.000	41.28	7.21	48.49	-19.71	68.20	300	0	Peak
7	13370.000	42.07	9.62	51.69	-22.31	74.00	300	76	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. The 7236MHz Limit = Fundamental – 30dB

EUT	Access Point	Date of Test	2026-05-27
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23°C /61%
Polarity	Horizontal	Site / Test Engineer	AC2 / Eddie
Test Mode	Zigbee_CH18 + WIFI2.4G g CH 1_2TX + WIFI6G be40_Band7_CH 147_2TX	Test Voltage	By PoE



No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4824.000	51.72	1.48	53.20	-20.80	74.00	200	46	Peak
2	4880.000	42.37	1.56	43.94	-30.06	74.00	300	321	Peak
3	* 7236.000	72.12	7.53	79.65	-9.06	88.71	100	90	Peak
4	7320.000	41.28	7.84	49.12	-24.88	74.00	200	42	Peak
5	9648.000	41.72	7.28	49.00	-19.20	68.20	300	28	Peak
6	9760.000	41.28	7.21	48.49	-19.71	68.20	300	0	Peak
7	13370.000	42.07	9.62	51.69	-22.31	74.00	300	76	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. The 7236MHz Limit = Fundamental – 30dB

Appendix A - Test Setup Photograph

Refer to “2603TW0115-UT” file.

Appendix B - External Photograph

Refer to “2603TW0115-UE” file.

Appendix C - Internal Photograph

Refer to “2603TW0115-UI” file.

_____ The End _____