Co-location Report

FCC ID:	Q9DASIN0306
Application:	Hewlett Packard Enterprise
Product:	HPE Aruba User Experience Sensor
Model No.:	ASIN0306
Trademark:	Hewlett Packard Enterprise , HPE aruba networking
FCC Rule Part(s):	Part 2, 22 (H), 24 (E), 27 Part 15 Subpart C (Section 15.247) Part 15 Subpart E (Section 15.407)
Result:	Complies
Received Date:	2023-06-15
Test Date:	2023-07-14 ~ 2023-10-30

Reviewed By: Jame Yuan

Approved By: Robin Wu

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.26-2015. 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
2306RSU027-U7	V01	Initial Report	2023-10-31	Valid

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1. General Information

1.1. Applicant

Hewlett Packard Enterprise

6280 America Center Drive, San Jose CA 95002, United States

1.2. Manufacturer

Hewlett Packard Enterprise

6280 America Center Drive, San Jose CA 95002, United States

1.3. Testing Facility

☒	**Test Site – MRT Suzhou Laboratory**				
	Laboratory Location (Suzhou - Wuzhong)				
	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China				
	Laboratory Location (Suzhou - SIP)				
	4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China				
	Laboratory Accreditations				
	A2LA: 3628.01		CNAS: L10551		
	FCC: CN1166		ISED: CN0001		
	VCCI:	☐R-20025	☐G-20034	☐C-20020	☐T-20020
		☐R-20141	☐G-20134	☐C-20103	☐T-20104
☐	**Test Site – MRT Shenzhen Laboratory**				
	Laboratory Location (Shenzhen)				
	1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China				
	Laboratory Accreditations				
	A2LA: 3628.02		CNAS: L10551		
	FCC: CN1284		ISED: CN0105		
☐	**Test Site – MRT Taiwan Laboratory**				
	Laboratory Location (Taiwan)				
	No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)				
	Laboratory Accreditations				
	TAF: 3261				
	FCC: 291082, TW3261		ISED: TW3261		

1.4. Product Information

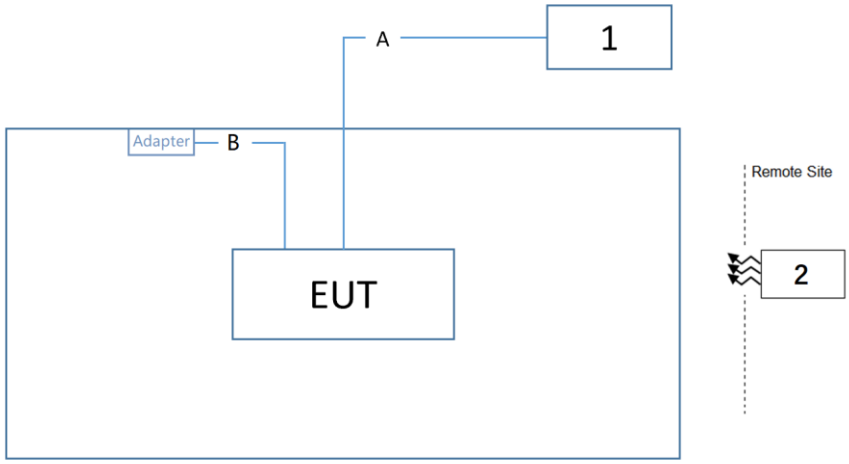
Product Name	HPE Aruba User Experience Sensor
Model No.	ASIN0306
Serial No.	CNQGLPM00G
Wi-Fi Specification	802.11a/b/g/n/ac/ax
Bluetooth Specification	BLE only
ZigBee Specification	802.15.4
Power Type	AC/DC Adapter Input
Operating Temperature	0 ~ 40 °C
Operating Environment	Indoor Use
Integrated Modular Information	
Specification	Model Number: EG21-G FCC ID: XMR201906EG21G GSM 850, PCS 1900 Supported UTRA Band: 2, 4, 5 Supported E-UTRA Band: FDD Band: 2, 4, 5, 7, 12, 13, 25, 26 TDD Band: 38, 41 GNSS: GPS, BDS, GLONASS, Galileo
Accessories	
AC/DC Adapter	Model No.: WB-12G12R Input: 100-240V, 50/60Hz, 0.3A Max Output: 12.0V⎓1.0A 12.0W
Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

2. Test Configuration

2.1. Test Mode

Test Mode 1: Transmit by 802.11b at 2412MHz (Radio 0) + Transmit by 802.11ax-HE20 at 5955MHz (Radio 1) + Tansmit by ZigBee at 2405MHz + GSM 1900
Test Mode 2: Transmit by 802.11a at 5180MHz (Radio 0) + Transmit by 802.11ax-HE20 at 5955MHz (Radio 1) + Tansmit by ZigBee at 2405MHz + LTE Band 41
Test Mode 3: Transmit by 802.11a at 5180MHz (Radio 0) + Transmit by 802.11b at 2412MHz (Radio 1) + Tansmit by ZigBee at 2405MHz + WCDMA Band 5
Test Mode 4: Transmit by 802.11b at 2412MHz (Radio 0) + Transmit by 802.11ax-HE20 at 5955MHz (Radio 1) + Tansmit by BLE 1Mbps at 2480MHz + GSM 1900
Test Mode 5: Transmit by 802.11a at 5180MHz (Radio 0) + Transmit by 802.11ax-HE20 at 5955MHz (Radio 1) + Tansmit by BLE 1Mbps at 2480MHz + LTE Band 41
Test Mode 6: Transmit by 802.11a at 5180MHz (Radio 0) + Transmit by 802.11b at 2412MHz (Radio 1) + Tansmit by BLE 1Mbps at 2480MHz + WCDMA Band 5

2.2. Test System Connection Diagram



Cable Type		Cable Description	
A	Ethernet Cable	Non shielded, > 10m	
B	Power Cable	Non shielded, 1.6m	
Product		Manufacturer	Model No.
1	Notebook	Dell	Latitude 5491
2	Wideband Radio Communication Tester	R&S	CMW 500

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 D01v05r02
- ANSI C63.10-2013
- FCC KDB 414788 D01v01r01
- FCC KDB 412172 D01v01r01

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
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06597	1 year	2023-11-05	WZ-AC2
Preamplifier	EMCI	EMC184045SE	MRTSUE06640	1 year	2024-01-12	WZ-AC2
TRILOG Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2024-05-15	WZ-AC2
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2024-05-23	WZ-AC2
Thermohygrometer	Mingle	ETH529	MRTSUE06170	1 year	2023-11-27	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2023-10-13	WZ-AC2
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2024-10-11	WZ-AC2
Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2024-05-07	WZ-AC2
Anechoic Chamber	RIKEN	WZ-AC2	MRTSUE06213	1 year	2024-04-20	WZ-AC2
Thermohygrometer	testo	608-H1	MRTSUE11038	1 year	2023-11-01	WZ-AC2
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2023-12-28	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2023-08-22	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2024-08-09	WZ-AC1
Preamplifier	Agilent	83017A	MRTSUE06076	1 year	2024-05-07	WZ-AC1
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2024-06-09	WZ-AC1
Anechoic Chamber	TDK	WZ-AC1	MRTSUE06212	1 year	2024-04-20	WZ-AC1
Thermohygrometer	testo	608-H1	MRTSUE06403	1 year	2024-05-31	WZ-AC1
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2023-12-28	WZ-AC1
Thermohygrometer	testo	608-H1	MRTSUE11039	1 year	2023-11-01	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06597	1 year	2023-11-05	WZ-AC1
Preamplifier	EMCI	EMC184045SE	MRTSUE06640	1 year	2024-01-12	WZ-AC1

Software	Version	Function
EMI Software	V3.0.0	EMI Test Software
Controller_MF 7802	2.03C	RE Antenna & Turntable
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	
Measurement Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):	
Coaxial:	9kHz~30MHz: 2.59dB
Coplanar:	9kHz~30MHz: 2.60dB
Horizontal:	30MHz~200MHz: 3.85dB
	200MHz~1GHz: 4.36dB
	1GHz~40GHz: 4.98dB
Vertical:	30MHz~200MHz: 4.06dB
	200MHz~1GHz: 5.28dB
	1GHz~40GHz: 4.91dB

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.

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

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 solely in the 5.725–5.850 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.

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: 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.

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 22 (H) & 24 (E) & 27 & 90

The power of any emission outside of theauthorized operating frequency ranges must be attenuated below the transmitting power (P) by a factorof at least 43 + 10 log(P) dB. The emission limit equal to -13dBm.

For Band 7: For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth.

For LTE Band 13, For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (-40dBm/MHz) equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW (-50dBm) EIRP for discrete emissions of less than 700 Hz bandwidth.

E (dBμV/m) = EIRP (dBm) - 20 log D + 104.8; where D is the measurement distance in meters. The emission limit equal to 82.3dBμV/m or 70.3dBμV/m.

Note: Spurious emissions from the Part 15 device, is subject to the Part 15 rules.

Spurious emissions from the Part 22 & 24 & 27 device, is subject to the Part 22 & 24 & 27 rules.

If the spurious emission is caused by the simultaneous operation of more radio devices, the limit is the highest level allowed by either rule part.

5.2. Test Procedure

ANSI C63.10 - 2013 - Section 11.11 & 11.12

ANSI C63.10 - 2013 - Section 6.3 (General Requirements)

ANSI C63.10 - 2013 - Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 - 2013 - Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 - 2013 - Section 6.6 (Standard test method above 1GHz)

ANSI C63.26-2015 - Section 5.2.7 & 5.5

5.3. Test Setting

1. RBW = 1MHz
2. VBW ≥ 3*RBW
3. Sweep time ≥ 10 × (number of points in sweep) × (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

Peak Measurements above 1GHz

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

Average Measurements above 1GHz (Method VB)

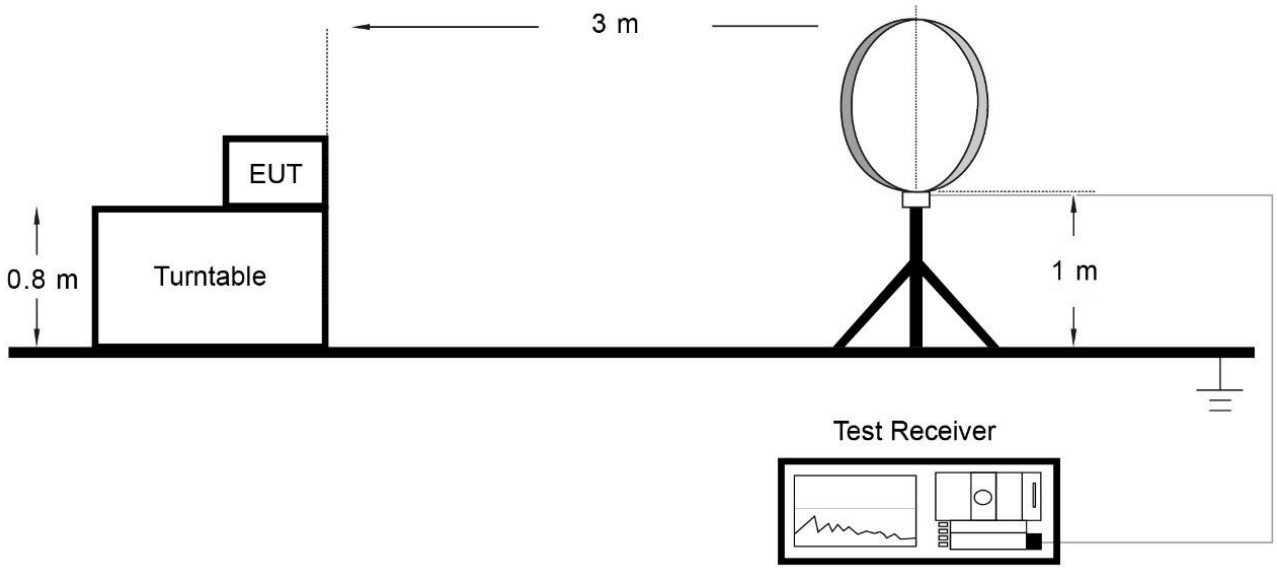
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

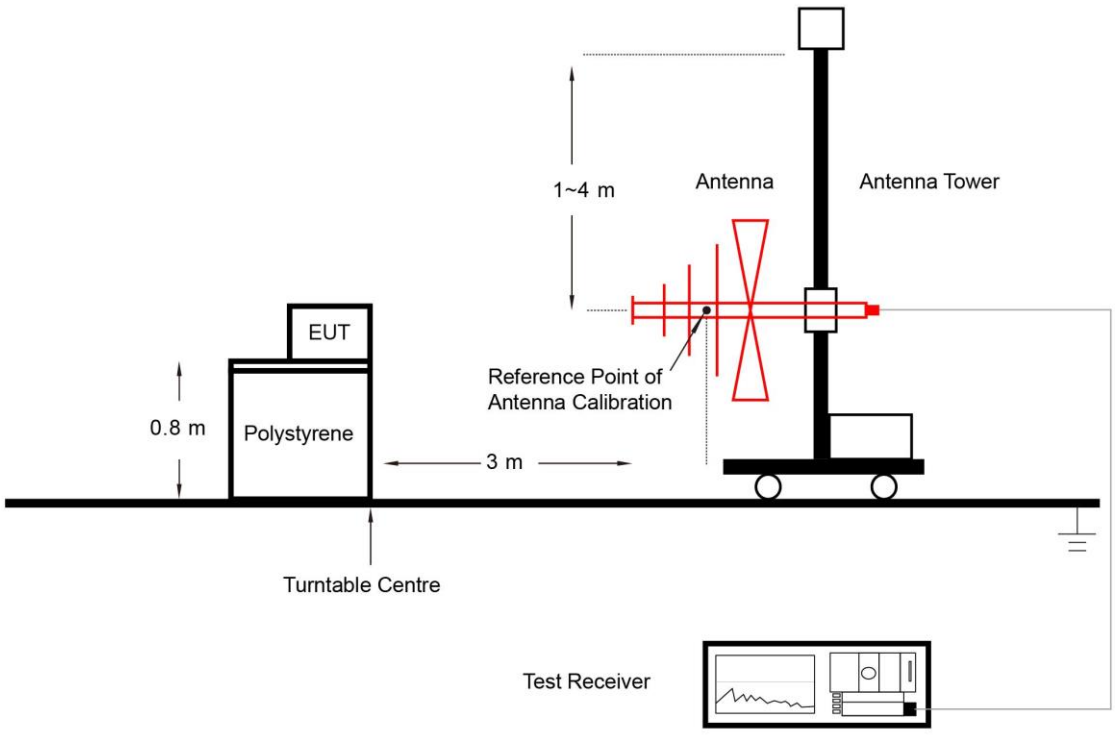
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

5.4. Test Setup

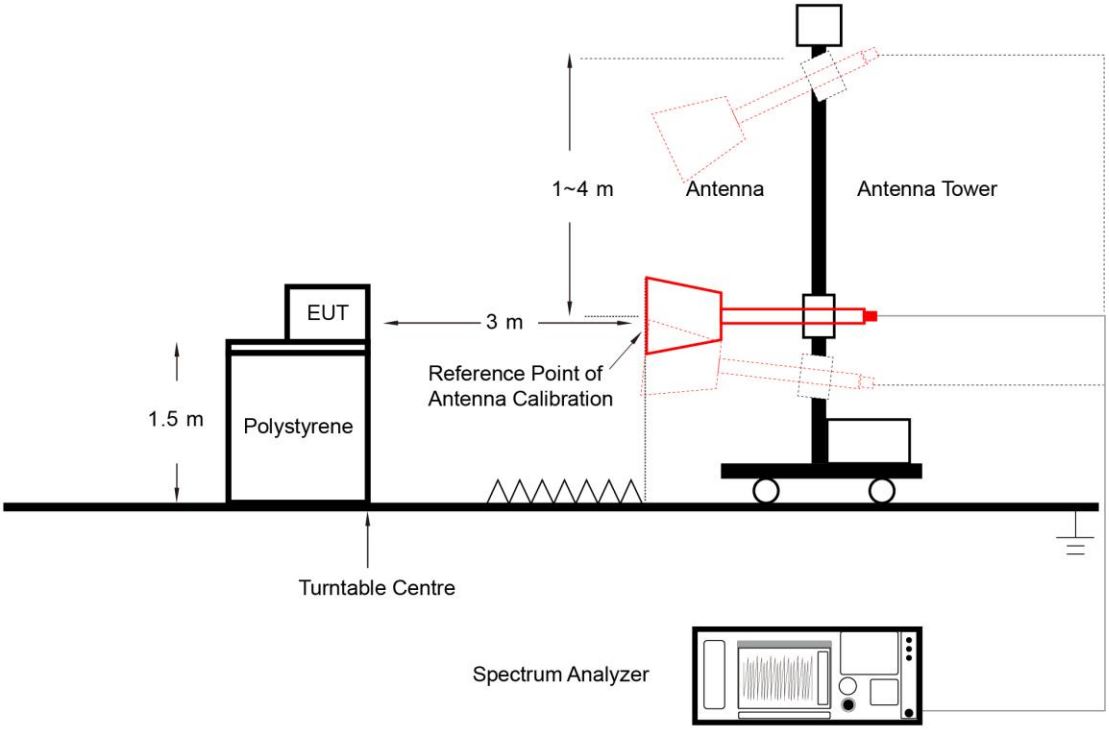
Below 30MHz Test Setup:



Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.5. Test Result

Test Site	WZ-AC1	Test Engineer	Carl Jiang
Test Date	2023-07-14		

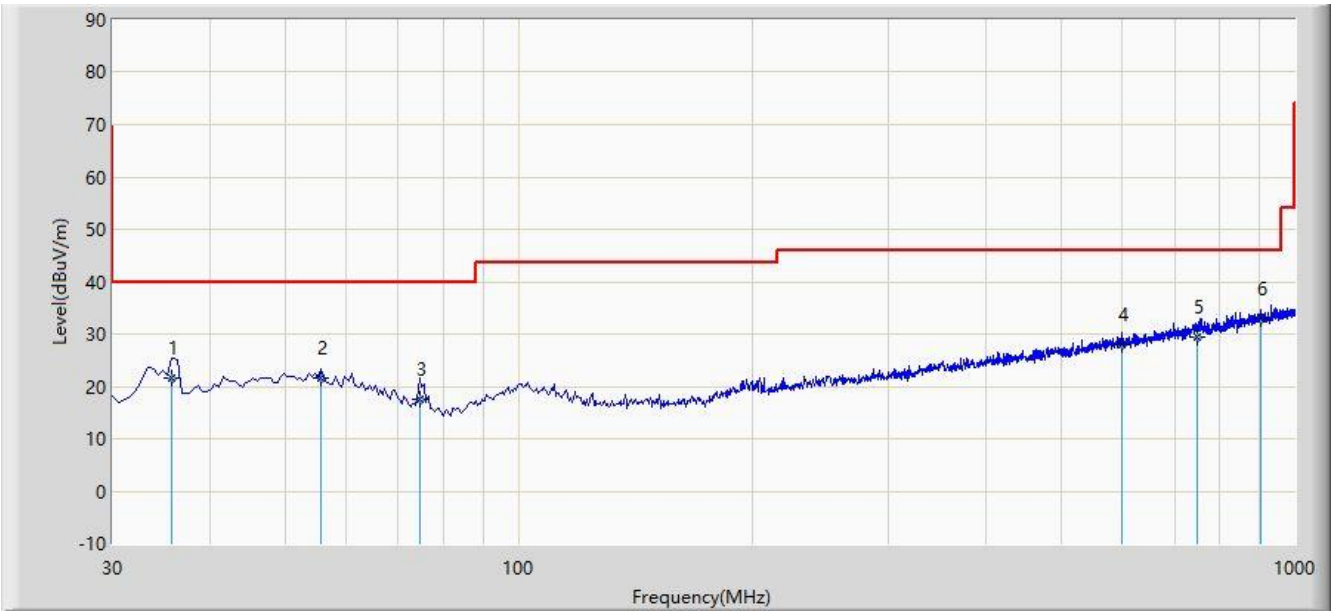
Test Mode	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
1	9432.0	35.4	12.2	47.6	74.0	-26.4	Peak	Horizontal
	11251.0	34.9	12.8	47.7	74.0	-26.3	Peak	Horizontal
	12041.5	36.5	12.3	48.8	74.0	-25.2	Peak	Horizontal
	7494.0	38.6	8.5	47.1	74.0	-26.9	Peak	Vertical
	11030.0	35.6	13.5	49.1	74.0	-24.9	Peak	Vertical
	11914.0	35.9	12.2	48.1	74.0	-25.9	Peak	Vertical
2	8386.5	35.4	8.8	44.2	74.0	-29.8	Peak	Horizontal
	11548.5	36.3	12.8	49.1	74.0	-24.9	Peak	Horizontal
	12024.5	36.8	12.3	49.1	74.0	-24.9	Peak	Horizontal
	8267.5	36.0	8.5	44.5	74.0	-29.5	Peak	Vertical
	11089.5	36.3	13.4	49.7	74.0	-24.3	Peak	Vertical
	11956.5	36.6	12.1	48.7	74.0	-25.3	Peak	Vertical
3	9126.0	34.6	11.2	45.8	74.0	-28.2	Peak	Horizontal
	11489.0	35.2	13.2	48.4	74.0	-25.6	Peak	Horizontal
	12050.0	36.9	12.3	49.2	74.0	-24.8	Peak	Horizontal
	8199.5	36.4	8.7	45.1	74.0	-28.9	Peak	Vertical
	11072.5	35.0	13.5	48.5	74.0	-25.5	Peak	Vertical
	12024.5	36.7	12.3	49.0	74.0	-25.0	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).								

Test Site	WZ-AC1	Test Engineer	Carl Jiang
Test Date	2023-07-14		

Test Mode	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
4	8310.0	35.0	8.6	43.6	74.0	-30.4	Peak	Horizontal
	10919.5	34.7	13.6	48.3	74.0	-25.7	Peak	Horizontal
	11956.5	36.4	12.1	48.5	74.0	-25.5	Peak	Horizontal
	8199.5	34.0	8.7	42.7	74.0	-31.3	Peak	Vertical
	11030.0	35.0	13.5	48.5	74.0	-25.5	Peak	Vertical
	12109.5	37.3	12.2	49.5	74.0	-24.5	Peak	Vertical
5	8276.0	34.8	8.4	43.2	74.0	-30.8	Peak	Horizontal
	11514.5	36.5	13.0	49.5	74.0	-24.5	Peak	Horizontal
	12118.0	36.8	12.3	49.1	74.0	-24.9	Peak	Horizontal
	7604.5	35.3	8.2	43.5	74.0	-30.5	Peak	Vertical
	11072.5	33.3	13.5	46.8	74.0	-27.2	Peak	Vertical
	11786.5	35.5	11.9	47.4	74.0	-26.6	Peak	Vertical
6	3737.0	39.4	0.2	39.6	74.0	-34.4	Peak	Horizontal
	7451.5	36.8	8.5	45.3	74.0	-28.7	Peak	Horizontal
	11140.5	36.3	13.1	49.4	74.0	-24.6	Peak	Horizontal
	3847.5	39.5	0.5	40.0	74.0	-34.0	Peak	Vertical
	7536.5	36.7	8.4	45.1	74.0	-28.9	Peak	Vertical
	11506.0	35.9	13.0	48.9	74.0	-25.1	Peak	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).								

The Result of Radiated Emission below 1GHz:

Site: WZ-AC2	Test Date: 2023-08-14
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bob Zhang
Probe: VULB9162_30-7000MHz	Polarity: Horizontal
EUT: HPE Aruba User Experience Sensor	Power: AC 120V/60Hz
Test Mode 1	



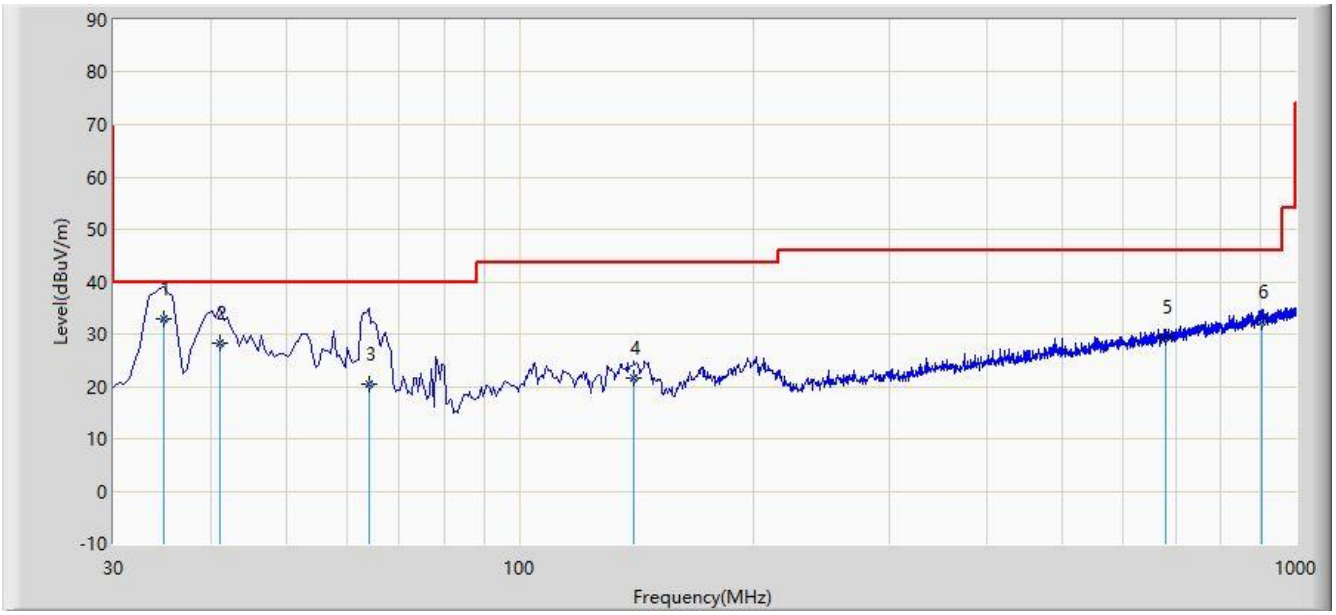
No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		35.820	21.548	4.100	-18.452	40.000	17.448	QP
2		55.705	21.630	1.400	-18.370	40.000	20.229	QP
3		74.620	17.560	2.300	-22.440	40.000	15.260	QP
4		598.420	28.079	1.100	-17.921	46.000	26.979	QP
5		747.800	29.533	0.100	-16.467	46.000	29.433	QP
6	*	903.970	32.847	1.600	-13.153	46.000	31.247	QP

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC2	Test Date: 2023-08-14
Limit: FCC_Part15.209_RSE(3m)	Engineer: Bob Zhang
Probe: VULB9162_30-7000MHz	Polarity: Vertical
EUT: HPE Aruba User Experience Sensor	Power: AC 120V/60Hz
Test Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	*	34.850	32.840	15.580	-7.160	40.000	17.260	QP
2		41.155	28.383	9.268	-11.617	40.000	19.115	QP
3		63.950	20.300	1.600	-19.700	40.000	18.700	QP
4		140.580	21.607	6.400	-21.893	43.500	15.207	QP
5		679.415	29.412	1.200	-16.588	46.000	28.211	QP
6		905.420	32.447	1.190	-13.553	46.000	31.256	QP

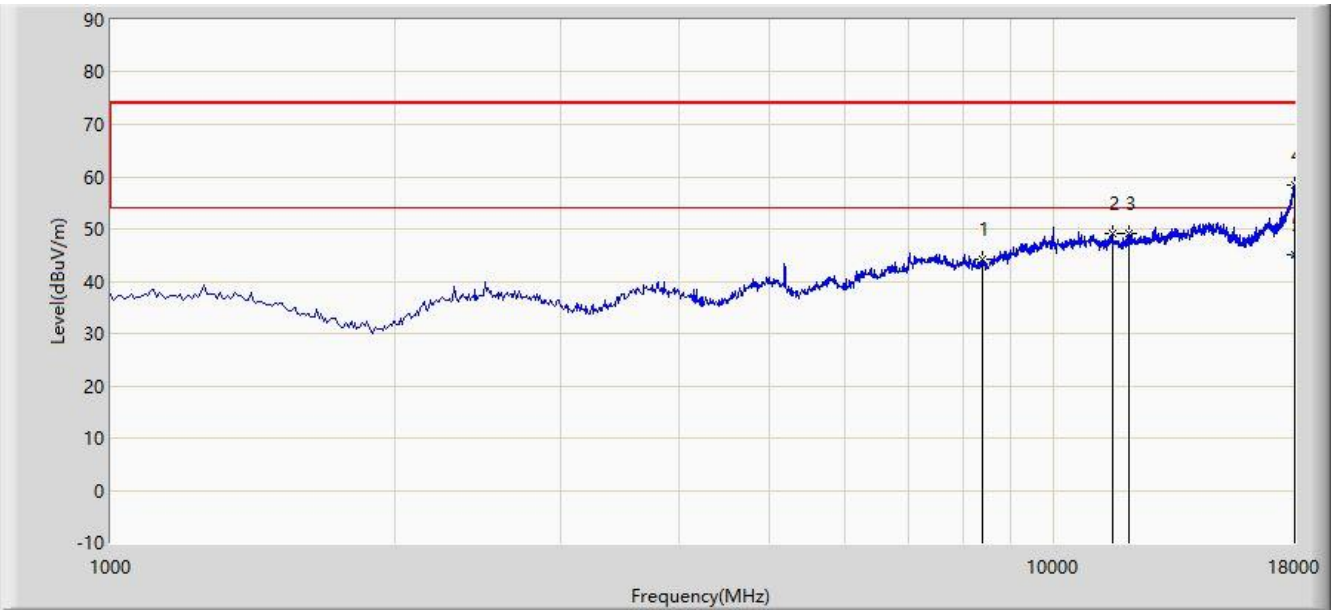
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

The Result of Radiated Emission 1GHz ~ 18GHz:

Site: WZ-AC1	Test Date: 2023-07-14
Limit: FCC_Part15.209_RSE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Horizontal
EUT: HPE Aruba User Experience Sensor	Power: AC 120V/60Hz
Test Mode 2	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		8386.500	44.221	35.442	-29.779	74.000	8.779	PK
2		11548.500	49.108	36.290	-24.892	74.000	12.818	PK
3		12024.500	49.060	36.779	-24.940	74.000	12.281	PK
4		17991.500	58.499	35.558	-15.501	74.000	22.941	PK
5	*	17991.500	45.195	22.254	-8.805	54.000	22.941	AV

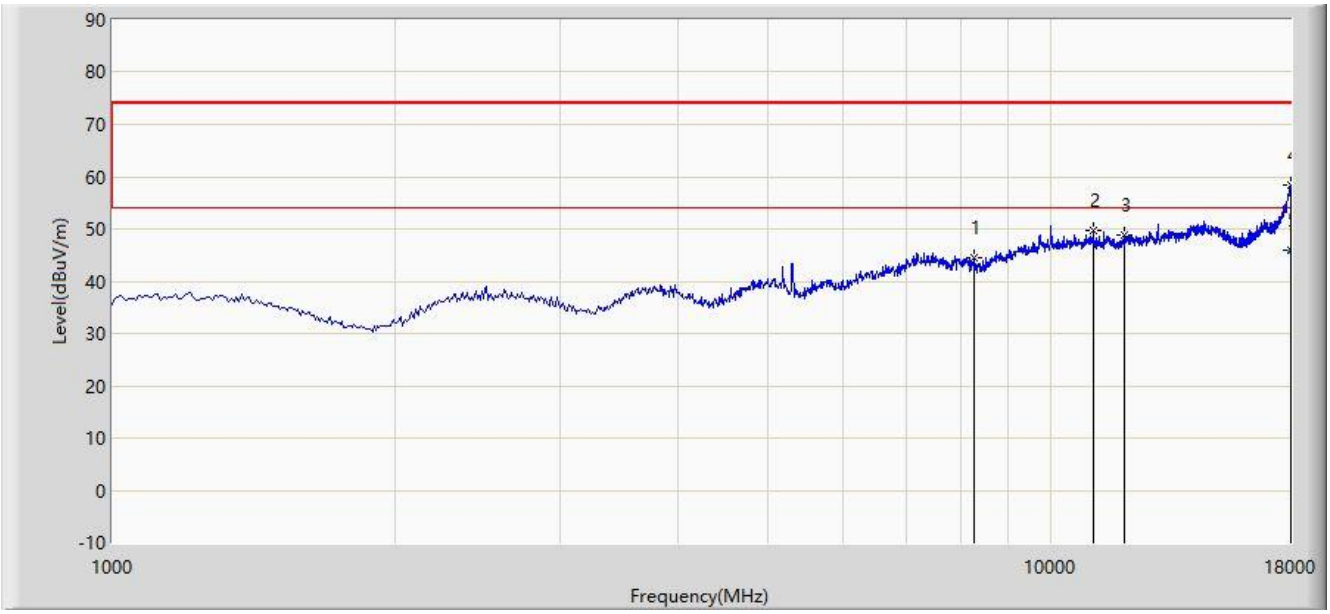
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Note 4: Average measurement was not performed when peak measure level was lower than the average limit.

Site: WZ-AC1	Test Date: 2023-07-14
Limit: FCC_Part15.209_RSE(3m)	Engineer: Carl Jiang
Probe: BBHA9120D_1167_1-18GHz	Polarity: Vertical
EUT: HPE Aruba User Experience Sensor	Power: AC 120V/60Hz
Test Mode 2	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		8267.500	44.498	35.991	-29.502	74.000	8.507	PK
2		11089.500	49.764	36.331	-24.236	74.000	13.433	PK
3		11956.500	48.698	36.612	-25.302	74.000	12.086	PK
4		17974.500	58.499	35.690	-15.501	74.000	22.809	PK
5	*	17974.500	45.866	23.057	-8.134	54.000	22.809	AV

Note 1: " * ", means this data is the worst emission level.

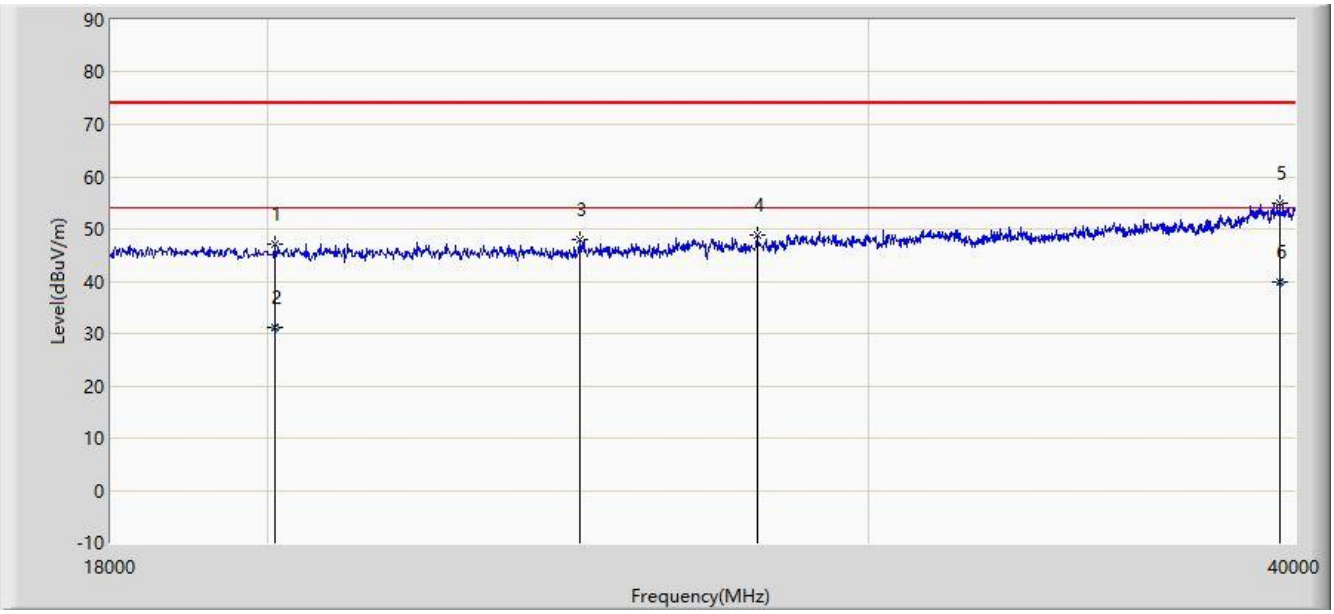
Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Note 4: Average measurement was not performed when peak measure level was lower than the average limit.

The Result of Radiated Emission 18GHz ~ 40GHz:

Site: WZ-AC1	Test Date: 2023-10-30
Limit: FCC_Part15.209_RSE(3m)	Engineer: Carl Jiang
Probe: BBHA9170_993_18-40GHz	Polarity: Horizontal
EUT: HPE Aruba User Experience Sensor	Power: AC 120V/60Hz
Test Mode 2	



No	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		20101.000	47.144	57.112	-26.856	74.000	-9.968	PK
2		20101.000	31.062	41.030	-22.938	54.000	-9.968	AV
3		24710.000	48.085	54.274	-25.915	74.000	-6.189	PK
4		27856.000	48.696	55.695	-25.304	74.000	-6.999	PK
5		39604.000	55.012	55.285	-18.988	74.000	-0.273	PK
6	*	39604.000	39.957	40.230	-14.043	54.000	-0.273	AV

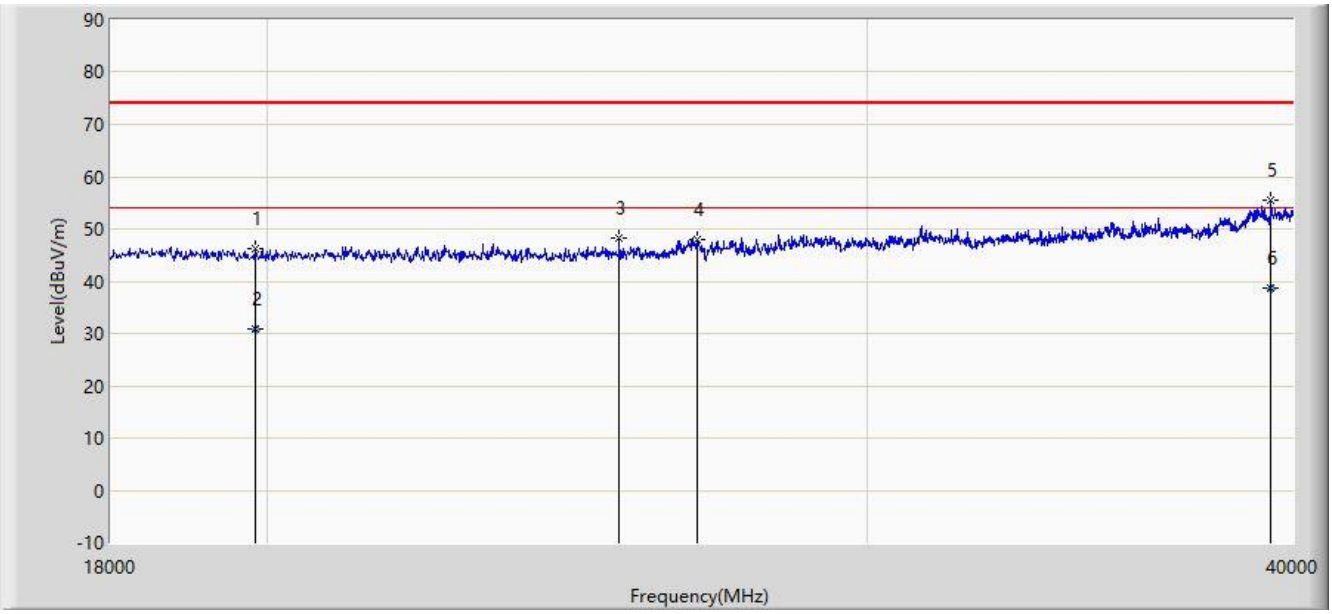
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Note 4: Average measurement was not performed when peak measure level was lower than the average limit.

Site: WZ-AC1	Test Date: 2023-10-30
Limit: FCC_Part15.209_RSE(3m)	Engineer: Carl Jiang
Probe: BBHA9170_993_18-40GHz	Polarity: Vertical
EUT: HPE Aruba User Experience Sensor	Power: AC 120V/60Hz
Test Mode 2	



No	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		19859.000	46.238	55.605	-27.762	74.000	-9.367	PK
2		19859.000	30.923	40.290	-23.077	54.000	-9.367	AV
3		25381.000	48.168	55.236	-25.832	74.000	-7.067	PK
4		26745.000	47.941	54.055	-26.059	74.000	-6.114	PK
5		39417.000	55.614	56.032	-18.386	74.000	-0.418	PK
6	*	39417.000	38.832	39.250	-15.168	54.000	-0.418	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m).

Note 3: Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB).

Note 4: Average measurement was not performed when peak measure level was lower than the average limit.

Appendix A - Test Setup Photograph

Refer to “2306RSU027-UT” file.

Appendix B - EUT Photograph

Refer to “2306RSU027-UE” file.

The End