Co-location Report

FCC ID:	Q9DAPINP303
IC:	4675A-APINP303
APPLICANT:	Hewlett Packard Enterprise Company
Application Type:	Certification
Product:	ACCESS POINT
Model No.:	APINP303
Brand Name:	aruba a Hewlett Packard Enterprise company , Hewlett Packard Enterprise
FCC Classification:	Digital Transmission System (DTS)
	Unlicensed National Information Infrastructure (UNII)
Test Date:	September 18, 2018

Reviewed By: Paddy Chen
(Paddy Chen)

Approved By: Chenz Ker
(Chenz Ker)

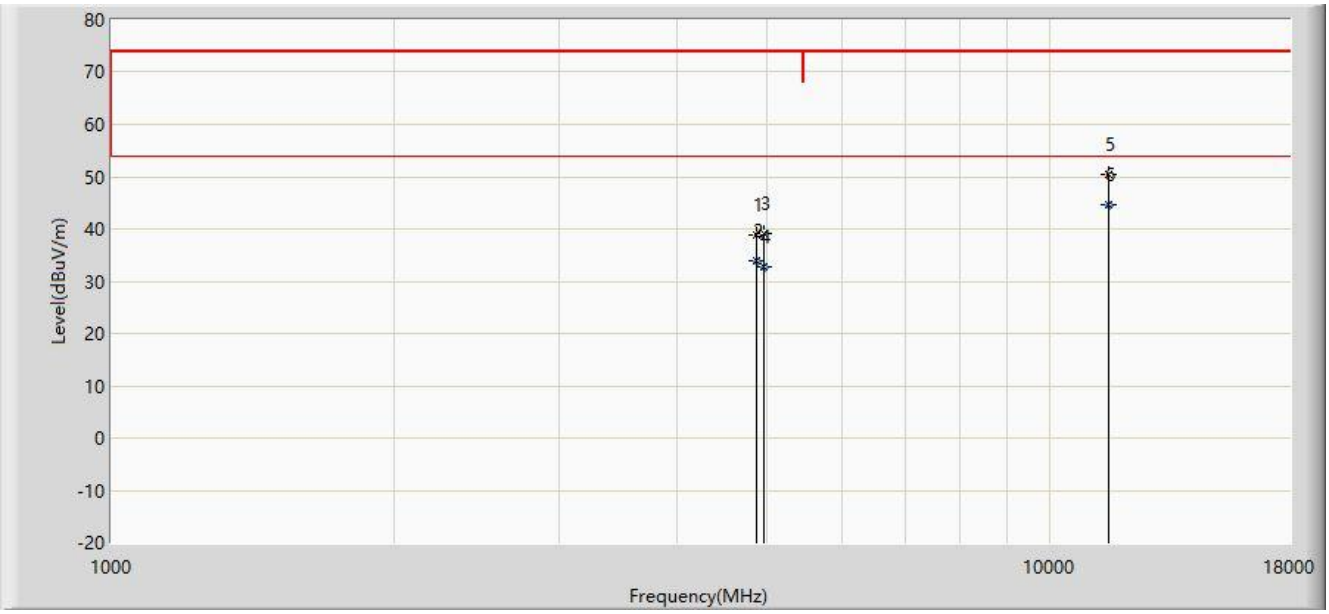
Testing Laboratory
3261

Revision History

Report No.	Version	Description	Issue Date	Note
1810TW0101-U6	Rev. 01	Initial Report	10-15-2018	Valid

1. TEST RESULT of Radiated Emissions for Co-located

Test Mode:	2.4GHz & 5GHz Wi-Fi & ZigBee Transmit	Test Site:	AC1
Test Engineer:	Kevin Ker	Polarity:	Horizontal
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			4874.000	38.920	33.318	-35.080	74.000	5.603	PK
2			4874.000	33.771	28.169	-20.229	54.000	5.603	AV
3			4960.000	39.265	33.599	-34.735	74.000	5.666	PK
4			4960.000	32.854	27.188	-21.146	54.000	5.666	AV
5			11550.000	50.358	29.503	-23.642	74.000	20.855	PK
6		*	11550.000	44.647	23.792	-9.353	54.000	20.855	AV

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

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

Note 2: Bluetooth and ZigBee can't transmit simultaneously.

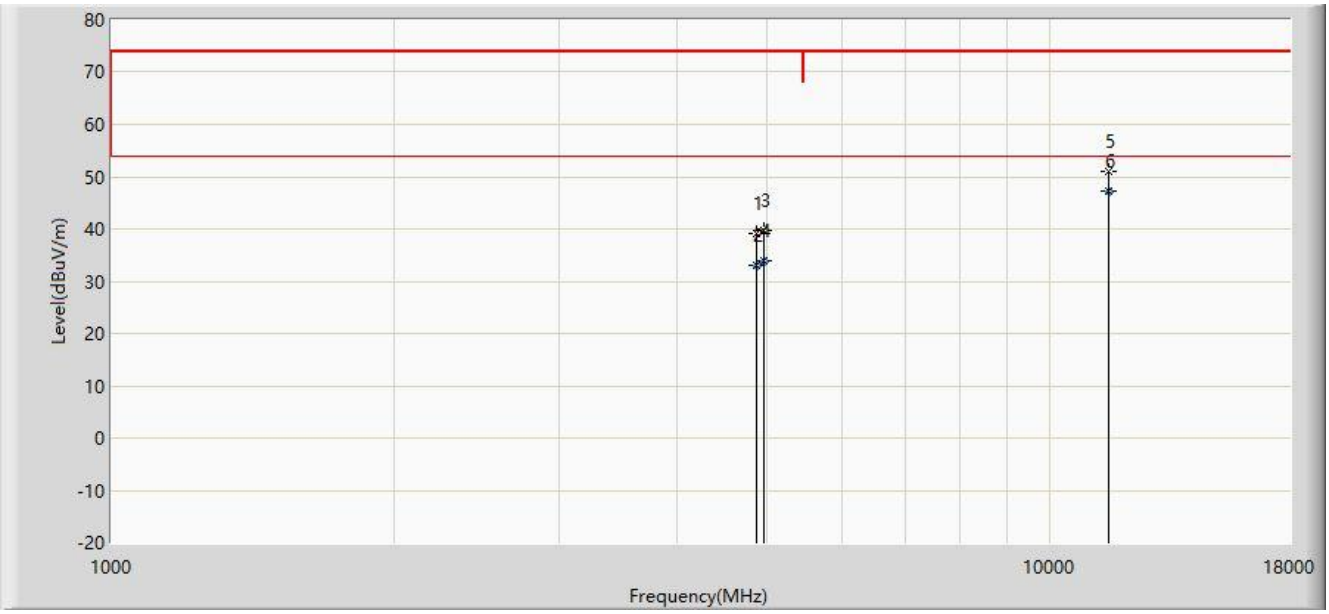
Note 3: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

Note 4: 2.4GHz Wi-Fi 802.11b Channel 2437MHz Power setting = 17.0；

5GHz Wi-Fi 802.11ac-VHT40 Channel 5795MHz Power setting = 17.5;

2.4GHz ZigBee channel 2440MHz Power setting = 8.0;

Test Mode:	2.4GHz & 5GHz Wi-Fi & ZigBee Transmit	Test Site:	AC1
Test Engineer:	Kevin Ker	Polarity:	Vertical
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			4874.000	39.269	33.667	-34.731	74.000	5.603	PK
2			4874.000	32.937	27.335	-21.063	54.000	5.603	AV
3			4960.000	39.569	33.903	-34.431	74.000	5.666	PK
4			4960.000	33.887	28.221	-20.113	54.000	5.666	AV
5			11550.000	50.970	30.115	-23.030	74.000	20.855	PK
6		*	11550.000	47.333	26.478	-6.667	54.000	20.855	AV

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

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

Note 2: Bluetooth and ZigBee can't transmit simultaneously.

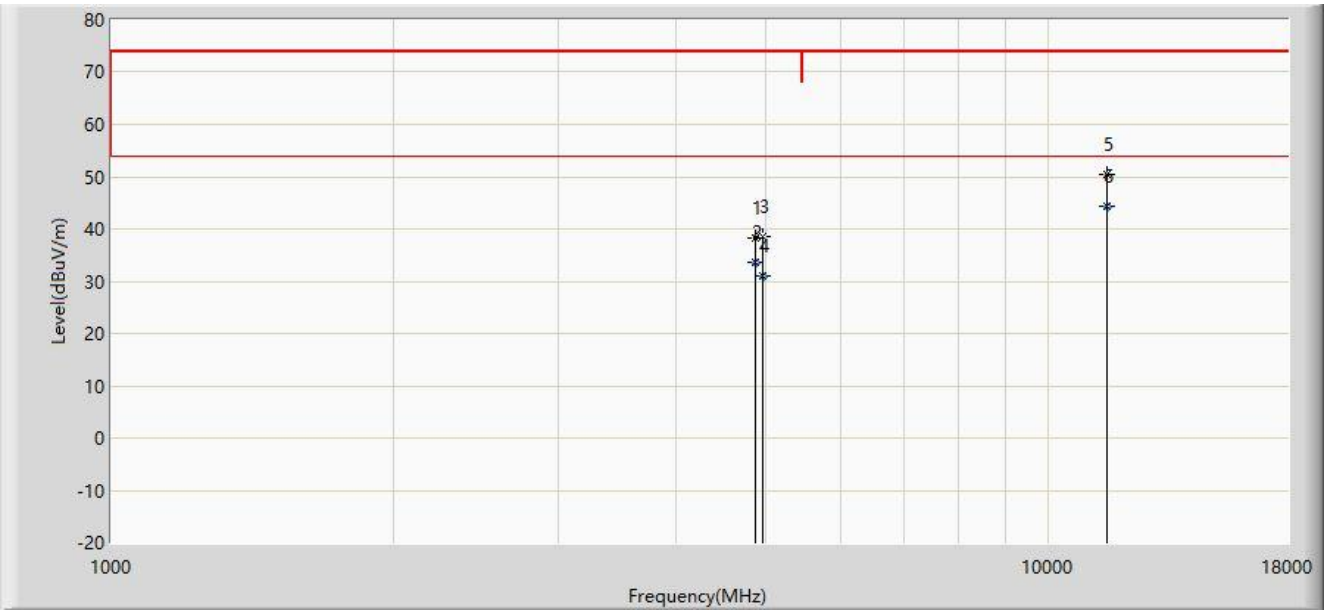
Note 3: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

Note 4: 2.4GHz Wi-Fi 802.11b Channel 2437MHz Power setting = 17.0；

5GHz Wi-Fi 802.11ac-VHT40 Channel 5795MHz Power setting = 17.5;

2.4GHz ZigBee channel 2440MHz Power setting = 8.0;

Test Mode:	2.4GHz & 5GHz Wi-Fi & BLE Transmit	Test Site:	AC1
Test Engineer:	Kevin Ker	Polarity:	Horizontal
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			4874.000	38.386	32.784	-35.614	74.000	5.603	PK
2			4874.000	33.748	28.146	-20.252	54.000	5.603	AV
3			4960.000	38.502	32.836	-35.498	74.000	5.666	PK
4			4960.000	31.055	25.389	-22.945	54.000	5.666	AV
5			11550.000	50.361	29.506	-23.639	74.000	20.855	PK
6		*	11550.000	44.434	23.579	-9.566	54.000	20.855	AV

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

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

Note 2: Bluetooth and ZigBee can't transmit simultaneously.

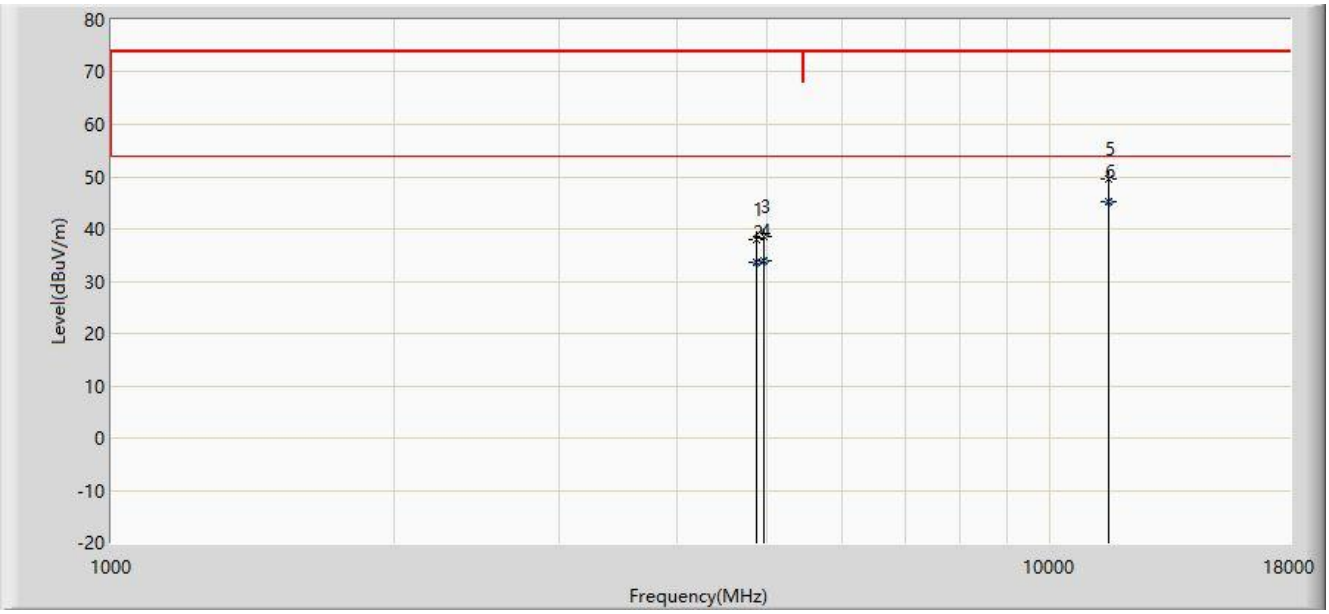
Note 3: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

Note 4: 2.4GHz Wi-Fi 802.11b Channel 2437MHz Power setting = 17.0；

5GHz Wi-Fi 802.11ac-VHT40 Channel 5795MHz Power setting = 17.5;

2.4GHz Bluetooth LE channel 2440MHz Power setting = 8.0;

Test Mode:	2.4GHz & 5GHz Wi-Fi & BLE Transmit	Test Site:	AC1
Test Engineer:	Kevin Ker	Polarity:	Vertical
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			4874.000	37.839	32.237	-36.161	74.000	5.603	PK
2			4874.000	33.588	27.986	-20.412	54.000	5.603	AV
3			4960.000	38.505	32.839	-35.495	74.000	5.666	PK
4			4960.000	33.812	28.146	-20.188	54.000	5.666	AV
5			11550.000	49.580	28.725	-24.420	74.000	20.855	PK
6		*	11550.000	45.167	24.312	-8.833	54.000	20.855	AV

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

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

Note 2: Bluetooth and ZigBee can't transmit simultaneously.

Note 3: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

Note 4: 2.4GHz Wi-Fi 802.11b Channel 2437MHz Power setting = 17.0；

5GHz Wi-Fi 802.11ac-VHT40 Channel 5795MHz Power setting = 17.5;

2.4GHz Bluetooth LE channel 2440MHz Power setting = 8.0;

The End

Appendix A – Test Setup Photograph

Refer to 1810TW0101-UT file.

Appendix B – EUT Photograph

Refer to 1810TW0101-UE file.