



Co-location Report

FCC ID: Q9DAPEX037457

APPLICANT: Hewlett Packard Enterprise Company

Application Type: Certification

Product: ACCESS POINT

Model No.: APEX0374, APEX0375, APEX0377

Brand Name:  

FCC Classification: Digital Transmission System (DTS)
Unlicensed National Information Infrastructure (UNII)

Test Date: August 05 ~ October 17, 2017

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 and was tested in accordance with the measurement procedures specified in ANSI C63.4-2013. 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 (Taiwan) Co., Ltd.

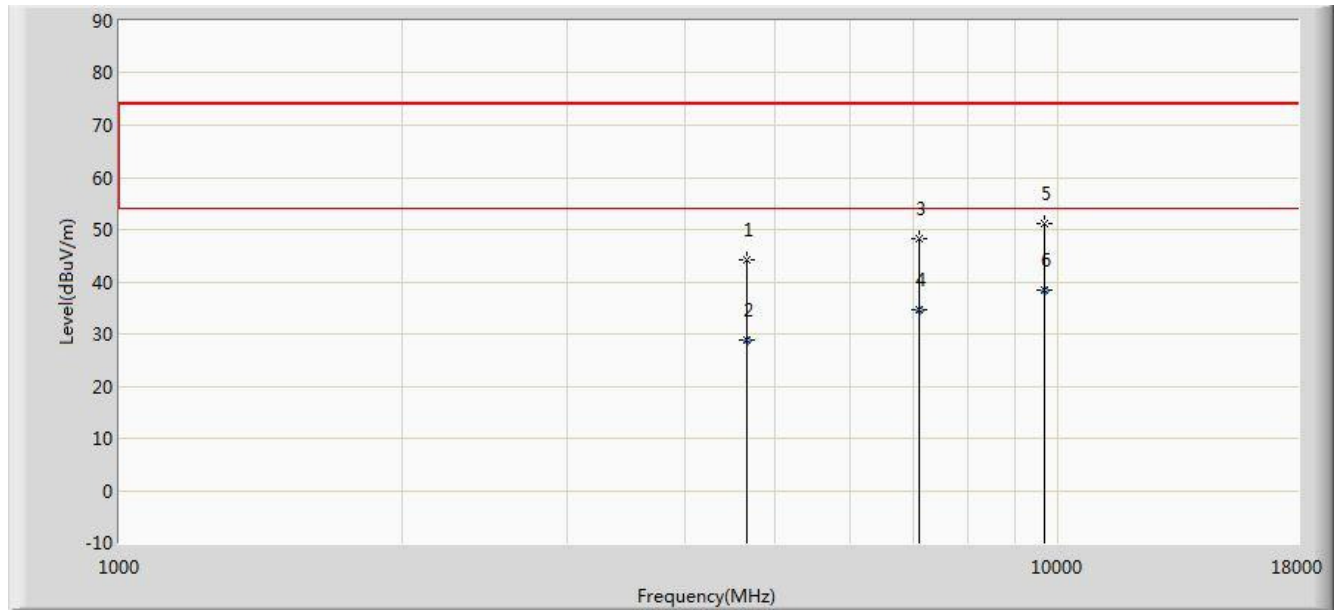
Revision History

Report No.	Version	Description	Issue Date	Note
1710TW0108-U10	Rev. 01	Initial report	01-30-2018	Valid

1. TEST RESULT of Radiated Emissions for Co-located

Mode No.: APEX0374

Test Mode:	2.4GHz, 5GHz Wi-Fi + BLE Transmit	Test Site:	AC1
Test Engineer:	Kevin	Polarity:	Horizontal
Antenna Type:	Omni Antenna		
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			4663.500	44.060	38.691	-29.940	74.000	5.369	PK
2			4663.500	28.769	23.400	-25.231	54.000	5.369	AV
3			7111.500	48.311	36.160	-25.689	74.000	12.151	PK
4			7111.520	34.651	22.500	-19.349	54.000	12.152	AV
5			9661.500	51.135	35.711	-22.865	74.000	15.424	PK
6		*	9661.510	38.524	23.100	-15.476	54.000	15.423	AV

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

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

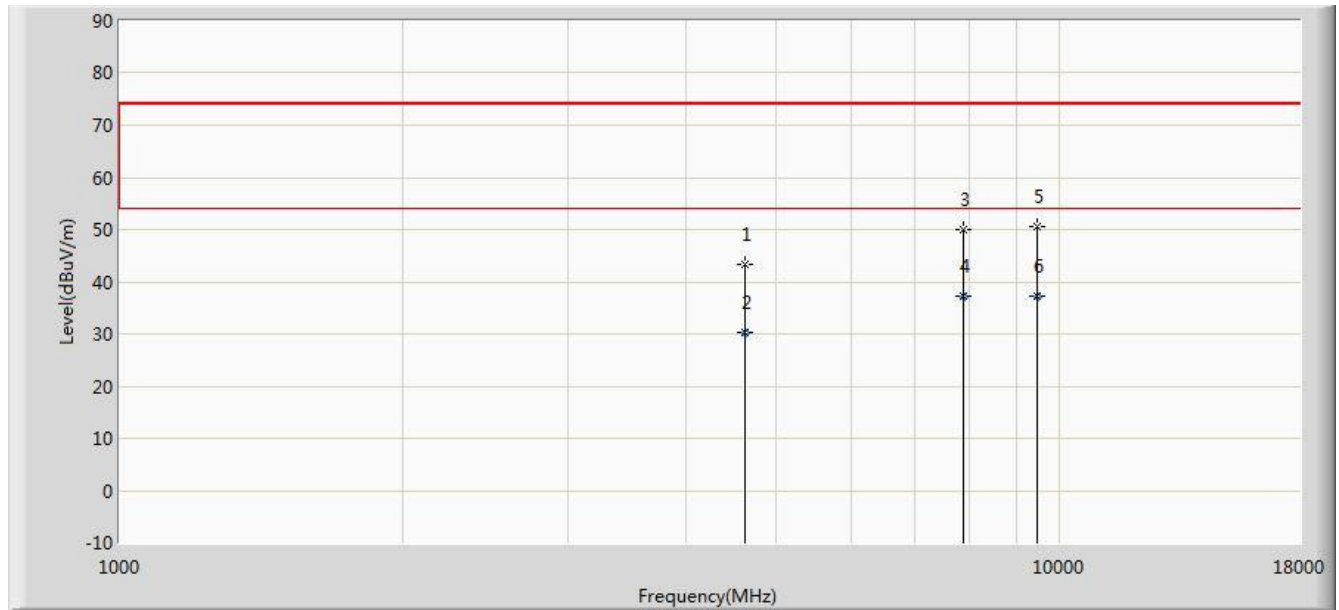
Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

Note 3: 2.4GHz Wi-Fi 802.11b channel 2412MHz Power setting = 23.0;

5GHz Wi-Fi 802.11ac80+80 channel 5530MHz Power setting = 20.5;

2.4GHz Bluetooth LE channel 2402MHz Power setting = 4.0.

Test Mode:	2.4GHz, 5GHz Wi-Fi + BLE Transmit	Test Site:	AC1
Test Engineer:	Kevin	Polarity:	Vertical
Antenna Type:	Omni Antenna		
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		*	4629.500	43.282	38.016	-30.718	74.000	5.266	PK
2			4629.500	30.366	25.100	-23.634	54.000	5.266	AV
3			7902.000	49.865	36.483	-24.135	74.000	13.382	PK
4			7902.100	37.183	23.800	-16.817	54.000	13.382	AV
5			9474.500	50.528	35.628	-23.472	74.000	14.901	PK
6			9474.500	37.200	22.300	-16.800	54.000	14.901	AV

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

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

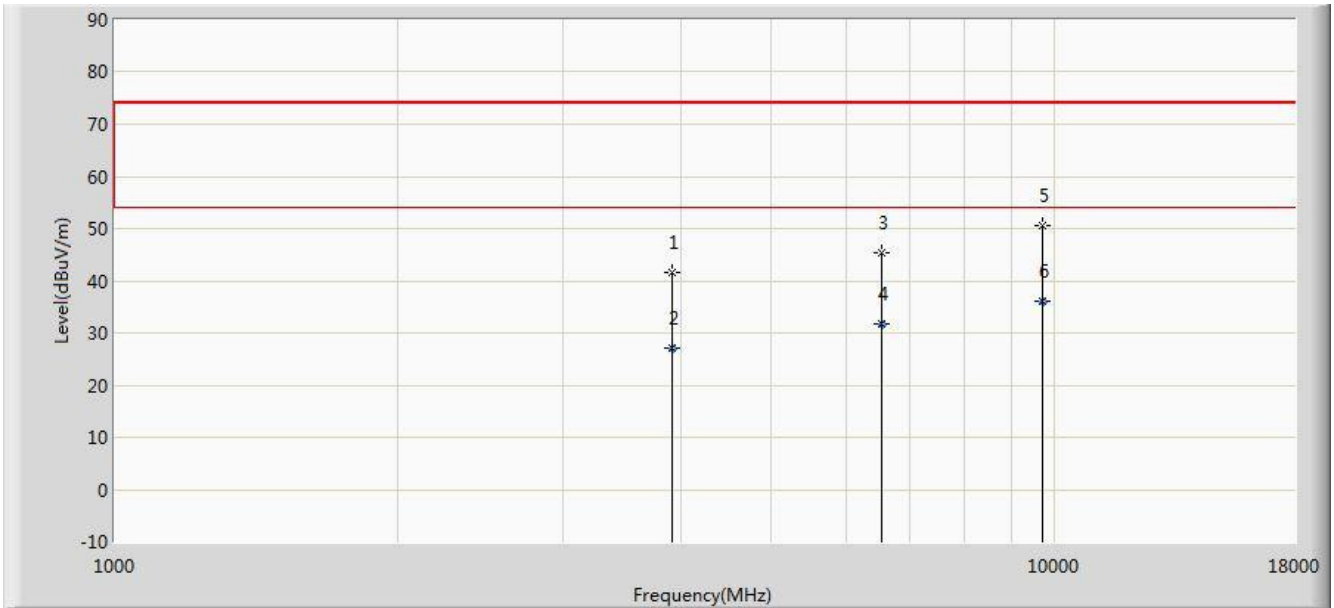
Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

Note 3: 2.4GHz Wi-Fi 802.11b Channel 2412MHz Power setting = 23.0;

5GHz Wi-Fi 802.11ac80+80 Channel 5530MHz Power setting = 20.5;

2.4GHz Bluetooth LE channel 2402MHz Power setting = 4.0.

Test Mode:	2.4GHz, 5GHz Wi-Fi + BLE Transmit	Test Site:	AC1
Test Engineer:	Kevin	Polarity:	Horizontal
Antenna Type:	Directional Antenna		
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			3924.000	41.693	38.463	-32.307	74.000	3.230	PK
2			3924.010	27.030	23.800	-26.970	54.000	3.230	AV
3			6533.500	45.486	35.443	-28.514	74.000	10.043	PK
4			6533.512	31.643	21.600	-22.357	54.000	10.043	AV
5			9712.500	50.463	34.881	-23.537	74.000	15.582	PK
6		*	9712.510	35.982	20.400	-18.018	54.000	15.582	AV

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

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

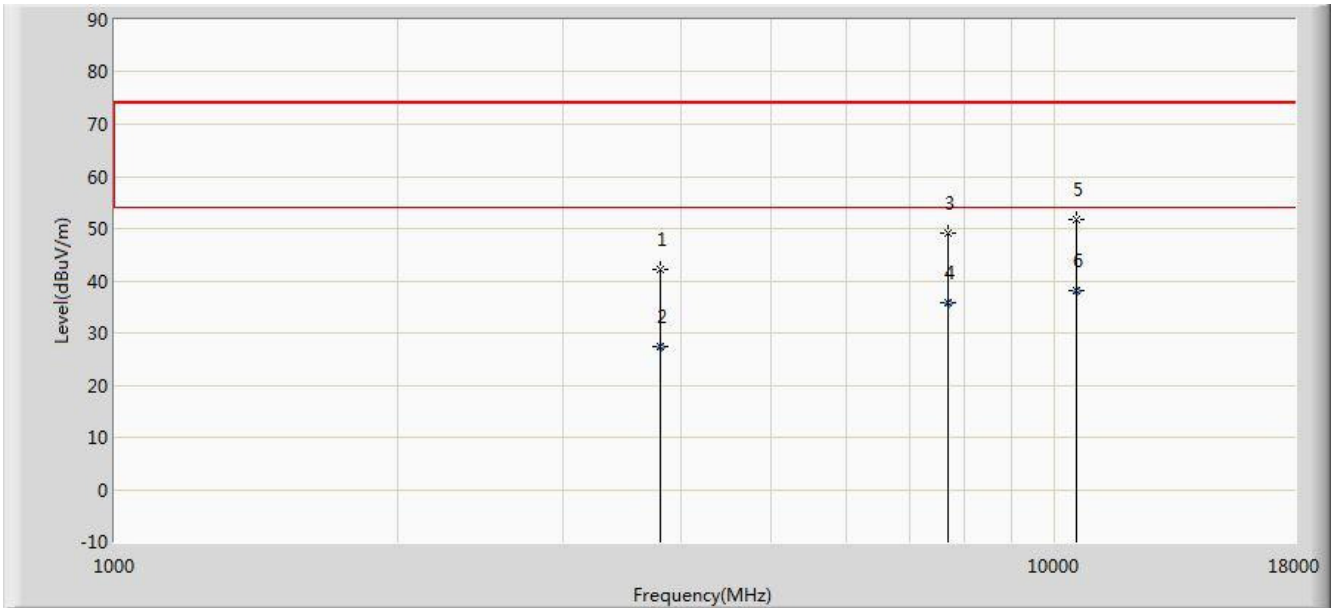
Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

Note 3: 2.4GHz Wi-Fi 802.11b Channel 2437MHz Power setting = 19.5;

5GHz Wi-Fi 802.11a Channel 5260MHz Power setting = 14.0;

2.4GHz Bluetooth LE channel 2402MHz Power setting = 4.0.

Test Mode:	2.4GHz, 5GHz Wi-Fi + BLE Transmit	Test Site:	AC1
Test Engineer:	Kevin	Polarity:	Vertical
Antenna Type:	Directional Antenna		
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		*	3805.000	42.157	39.350	-31.843	74.000	2.807	PK
2			3805.110	27.407	24.600	-26.593	54.000	2.807	AV
3			7689.500	49.125	36.329	-24.875	74.000	12.795	PK
4			7689.500	35.896	23.100	-18.104	54.000	12.795	AV
5			10528.500	51.809	34.195	-22.191	74.000	17.613	PK
6			10528.510	38.214	20.600	-15.786	54.000	17.615	AV

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

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

Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

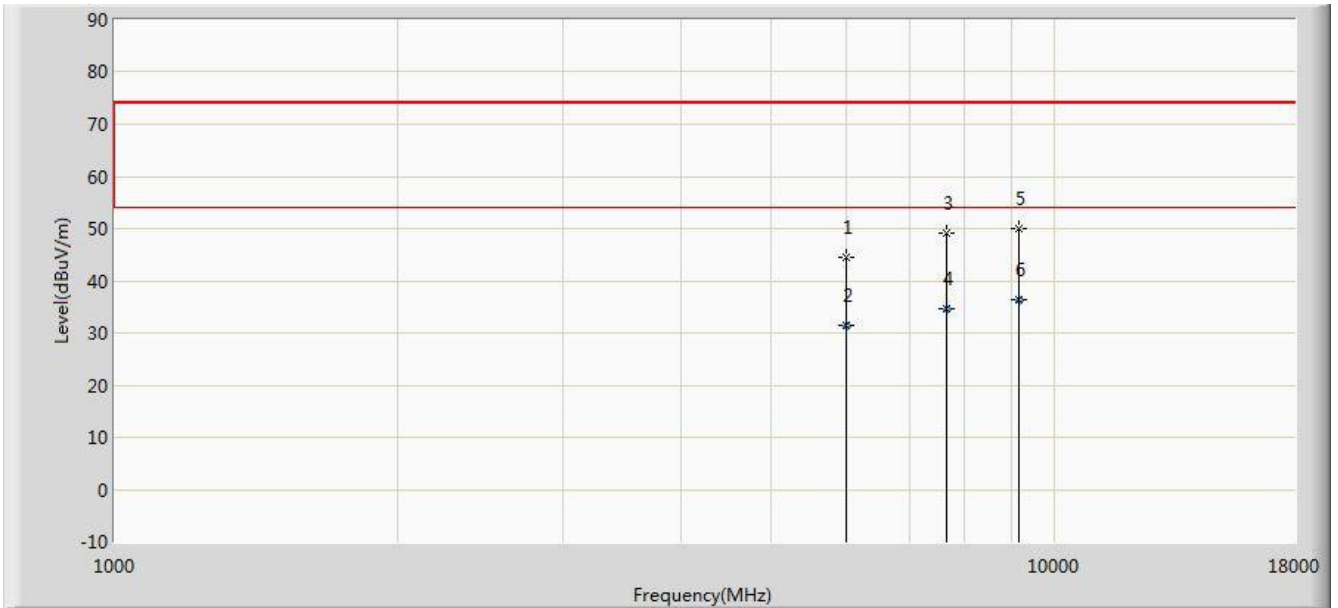
Note 3: 2.4GHz Wi-Fi 802.11b Channel 2437MHz Power setting = 19.5;

5GHz Wi-Fi 802.11a Channel 5260MHz Power setting = 14.0;

2.4GHz Bluetooth LE channel 2402MHz Power setting = 4.0.

Mode No.: APEX0375

Test Mode:	2.4GHz, 5GHz Wi-Fi + BLE Transmit	Test Site:	AC1
Test Engineer:	Kevin	Polarity:	Horizontal
Antenna Type:	Omni Antenna		
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			5998.000	44.555	36.585	-29.445	74.000	7.970	PK
2			5998.010	31.570	23.600	-22.430	54.000	7.970	AV
3			7664.000	49.163	36.403	-24.837	74.000	12.760	PK
4			7664.100	34.560	21.800	-19.440	54.000	12.760	AV
5			9151.500	50.042	35.983	-23.958	74.000	14.059	PK
6		*	9151.500	36.459	22.400	-17.541	54.000	14.059	AV

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

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

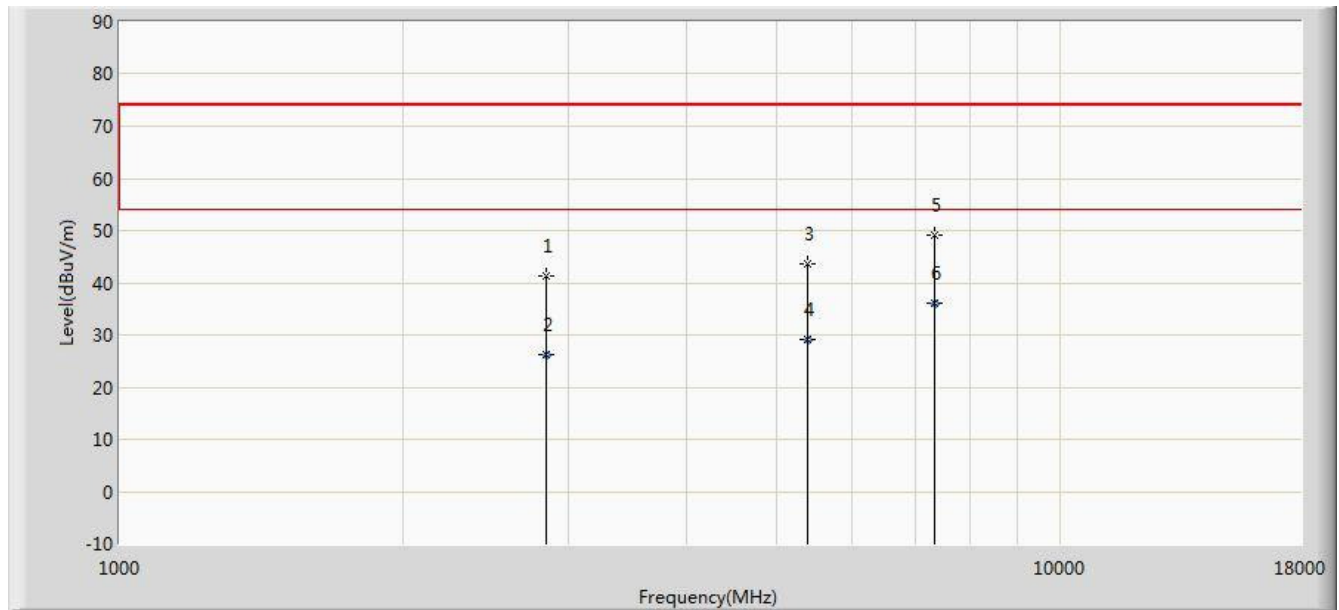
Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

Note 3: 2.4GHz Wi-Fi 802.11n-HT20 Channel 2462MHz Power setting = 22.0;

5GHz Wi-Fi 802.11ac-VHT40 Channel 5510MHz Power setting = 14.5;

2.4GHz Bluetooth LE channel 2402MHz Power setting = 4.0;

Test Mode:	2.4GHz, 5GHz Wi-Fi + BLE Transmit	Test Site:	AC1
Test Engineer:	Kevin	Polarity:	Vertical
Antenna Type:	Omni Antenna		
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		*	2836.000	41.249	40.850	-32.751	74.000	0.399	PK
2			2836.100	26.099	25.700	-27.901	54.000	0.399	AV
3			5394.500	43.723	37.172	-30.277	74.000	6.551	PK
4			5394.520	29.151	22.600	-24.849	54.000	6.551	AV
5			7349.500	49.170	36.508	-24.830	74.000	12.663	PK
6			7349.510	36.162	23.500	-17.838	54.000	12.663	AV

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

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

Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

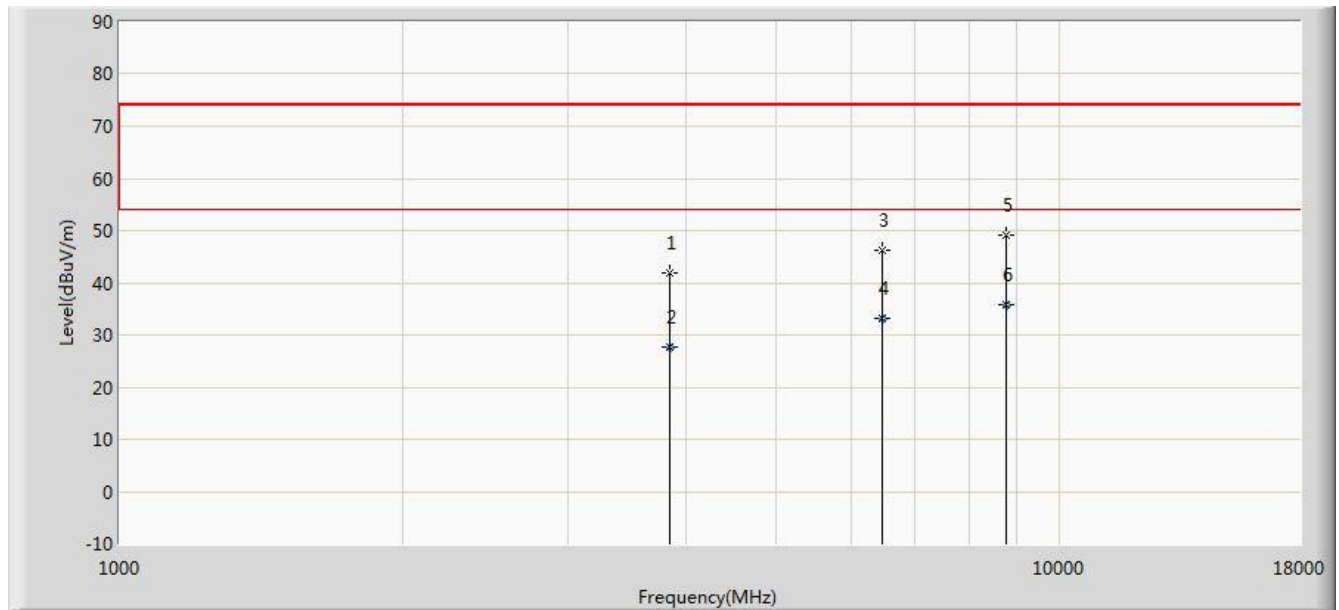
Note 3: 2.4GHz Wi-Fi 802.11n-HT20 Channel 2462MHz Power setting = 22.0;

5GHz Wi-Fi 802.11ac-VHT40 Channel 5510MHz Power setting = 14.5;

2.4GHz Bluetooth LE channel 2402MHz Power setting = 4.0;

Mode No.: APEX0377

Test Mode:	2.4GHz, 5GHz Wi-Fi + BLE Transmit	Test Site:	AC1
Test Engineer:	Kevin	Polarity:	Horizontal
Antenna Type:	Omni Antenna		
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			3847.500	41.860	39.030	-32.140	74.000	2.829	PK
2			3847.500	27.730	24.900	-26.270	54.000	2.829	AV
3			6474.000	46.137	36.285	-27.863	74.000	9.852	PK
4			6474.000	33.252	23.400	-20.748	54.000	9.852	AV
5			8777.500	49.090	35.858	-24.910	74.000	13.232	PK
6		*	8777.500	35.832	22.600	-18.168	54.000	13.232	AV

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

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

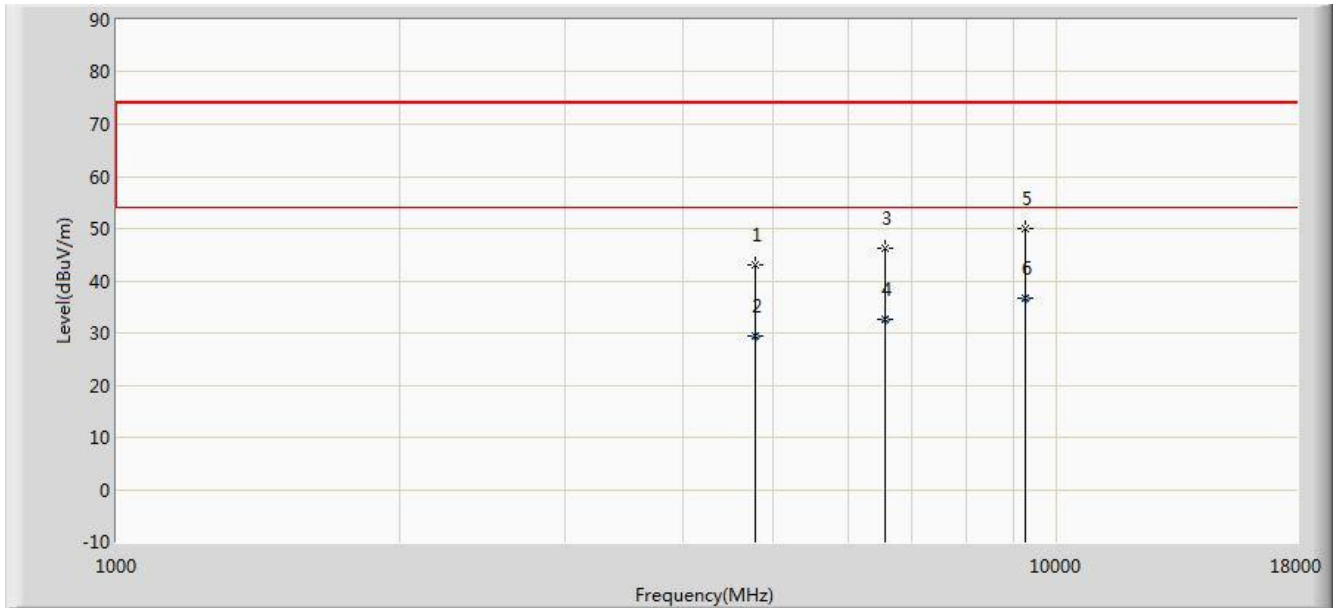
Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

Note 3: 2.4GHz Wi-Fi 802.11b Channel 2437MHz Power setting = 22.0;

5GHz Wi-Fi 802.11ac-VHT20 Channel 5590MHz Power setting = 12.5;

2.4GHz Bluetooth LE channel 2402MHz Power setting = 4.0;

Test Mode:	2.4GHz, 5GHz Wi-Fi + BLE Transmit	Test Site:	AC1
Test Engineer:	Kevin	Polarity:	Vertical
Antenna Type:	Omni Antenna		
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		*	4782.500	43.146	37.419	-30.854	74.000	5.727	PK
2			4782.500	29.527	23.800	-24.473	54.000	5.727	AV
3			6559.000	46.309	36.103	-27.691	74.000	10.206	PK
4			6559.000	32.706	22.500	-21.294	54.000	10.206	AV
5			9253.500	49.925	35.401	-24.075	74.000	14.523	PK
6			9253.510	36.624	22.100	-17.376	54.000	14.523	AV

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

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

Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

Note 3: 2.4GHz Wi-Fi 802.11b Channel 2437MHz Power setting = 22.0;

5GHz Wi-Fi 802.11ac-VHT20 Channel 5590MHz Power setting = 12.5;

2.4GHz Bluetooth LE channel 2402MHz Power setting = 4.0;

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