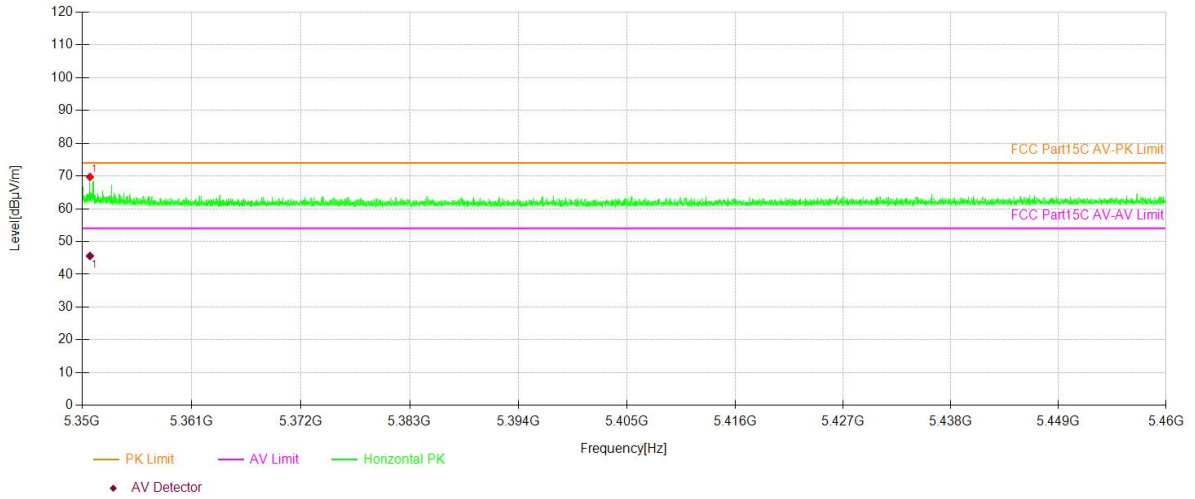
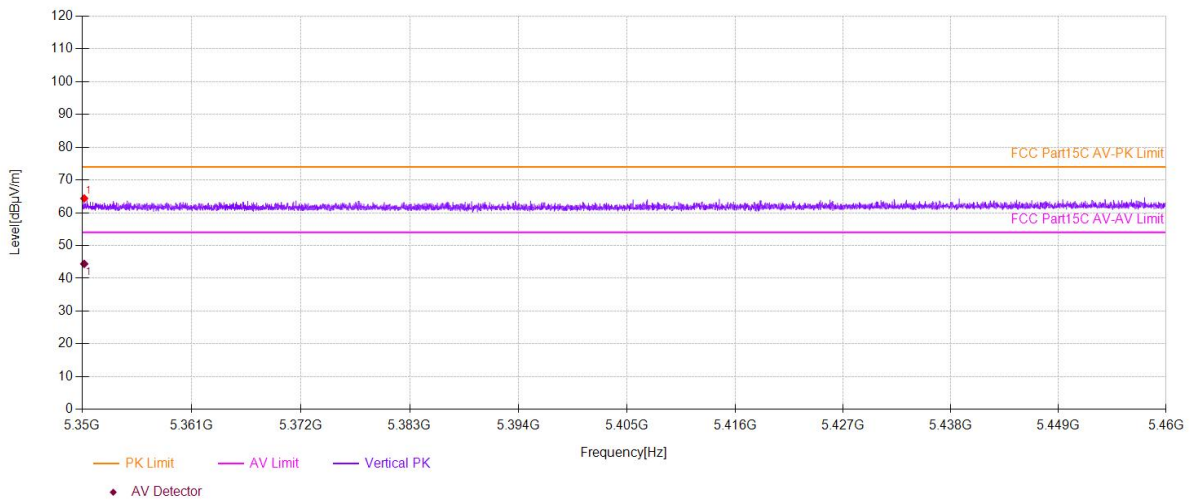


<b>U-NII -2A</b>				
<b>Test Model</b>	<b>Undesirable radiated</b>	<b>Undesirable radiated</b>	<b>Spurious Emission in Band Edge</b>	
	<b>802.11ac(VHT20)</b>	<b>Channel 64: 5320MHz</b>	<b>Ant.Pol</b>	<b>H</b>



<b>U-NII -2A</b>				
<b>Test Model</b>	<b>Undesirable radiated</b>	<b>Undesirable radiated</b>	<b>Spurious Emission in Band Edge</b>	
	<b>802.11ac(VHT20)</b>	<b>Channel 64: 5320MHz</b>	<b>Ant.Pol</b>	<b>V</b>



- For Undesirable radiated Spurious Emission in U-NII -2C
    - Undesirable radiated Spurious Emission Above 1GHz(1GHz to 40GHz)
- All the antenna(Antenna 1) and modes(802.11a/n/ac) has been tested and the worst(Antenna 1,802.11a) result recorded was report as below:

Test mode: 802.11a Frequency: Channel 100: 5500MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
8288.14	V	57.24	-37.99	-27	10.99
11562.2	V	59.98	-35.25	-27	8.25
17498.2	V	66.45	-28.78	-27	1.78
8925.96	H	57.61	-37.62	-27	10.62
11511.2	H	59.74	-35.49	-27	8.49
17039.0	H	66.34	-28.89	-27	1.89

Test mode: 802.11a Frequency: Channel 120: 5600MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
8832.4	V	57.42	-37.81	-27	10.81
11570.7	V	59.85	-35.38	-27	8.38
17498.2	V	66.62	-28.61	-27	1.61
8152.07	H	57.27	-37.96	-27	10.96
11655.8	H	60.11	-35.12	-27	8.12
17498.2	H	66.29	-28.94	-27	1.94

Test mode: 802.11a Frequency: Channel 140: 5700MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
8925.96	V	57.69	-37.54	-27	10.54
11502.7	V	60.45	-34.78	-27	7.78
17498.2	V	67.11	-28.12	-27	1.12
8101.05	H	56.91	-38.32	-27	11.32
11519.7	H	59.99	-35.24	-27	8.24
17498.2	H	65.97	-29.26	-27	2.26

**Note:** (1) All Readings are Peak Value (VBW=3MHz) and Average Value(VBW=10Hz).  
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.  
 (3) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
 d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 100: 5500MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8288.14	V	57.24	36.46	74	54	16.76	17.54
11562.2	V	59.98	37.75	74	54	14.02	16.25
17498.2	V	66.45	43.72	74	54	7.55	10.28
8925.96	H	57.61	37.86	74	54	16.39	16.14
11511.2	H	59.74	38.03	74	54	14.26	15.97
17039.0	H	66.34	43.03	74	54	7.66	10.97

Test mode: 802.11a Frequency: Channel 116: 5580MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8832.41	V	57.42	37.32	74	54	16.58	16.68
11570.7	V	59.85	37.67	74	54	14.15	16.33
17498.2	V	66.62	44.38	74	54	7.38	9.62
8152.07	H	57.27	36.07	74	54	16.73	17.93
11655.8	H	60.11	37.48	74	54	13.89	16.52
17498.2	H	66.29	43.82	74	54	7.71	10.18

Test mode: 802.11a Frequency: Channel 140: 5700MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8925.96	V	57.69	37.86	74	54	16.31	16.14
11502.7	V	60.45	38.03	74	54	13.55	15.97
17498.2	V	67.11	43.82	74	54	6.89	10.18
8101.05	H	56.91	36.21	74	54	17.09	17.79
11519.7	H	59.99	37.99	74	54	14.01	16.01
17498.2	H	65.97	44.18	74	54	8.03	9.82

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Correct Factor.
  - (3) Correct Factor= Ant\_F + Cab\_L - Preamp
  - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

●Undesirable radiated Undesirable radiatedSpurious Emission in Band Edge

All the antenna( Antenna 1 ) and modes( 802.11a/n/ac ) has been tested and the worst( Antenna 1,802.11ac(VHT20)) result recorded was report as below:

Test mode: 802.11ac(VHT20) Frequency: Channel 100: 5500MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5469.57	H	58.49	-36.74	-27	Pass
5465.95	V	55.73	-39.5	-27	Pass

Test mode: 802.11ac(VHT20) Frequency: Channel 140: 5700MHz

Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5727.07	H	55.47	-39.76	-27	Pass
5732.19	V	55.29	-39.94	-27	Pass

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value(VBW=10Hz).
  - (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
  - (3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
d is the measurement distance in 3 meters

Test mode: 802.11ac(VHT20) Frequency: Channel 100: 5500MHz

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	Over(dB)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)	Over(dB)
5469.57	H	58.49	74.00	15.51	44.58	54.00	9.42
5465.95	V	55.73	74.00	18.27	44.62	54.00	9.38

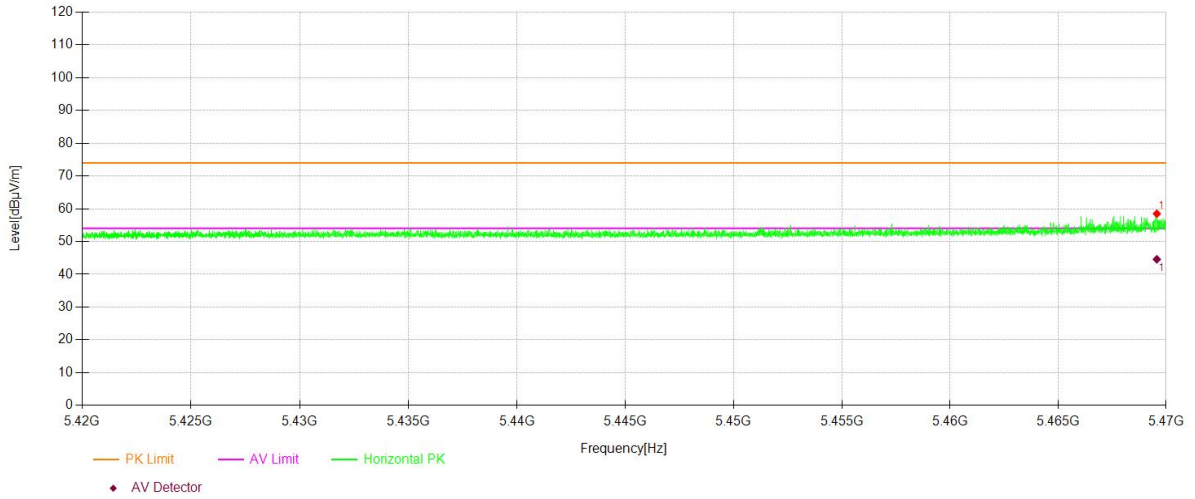
Test mode: 802.11ac(VHT20) Frequency: Channel 140: 5700MHz

Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	Over(dB)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)	Over(dB)
5727.07	H	55.47	74.00	18.53	44.87	54.00	9.13
5732.19	V	55.29	74.00	18.71	44.97	54.00	9.03

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Correct Factor.
  - (3) Correct Factor= Ant\_F + Cab\_L - Preamp
  - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

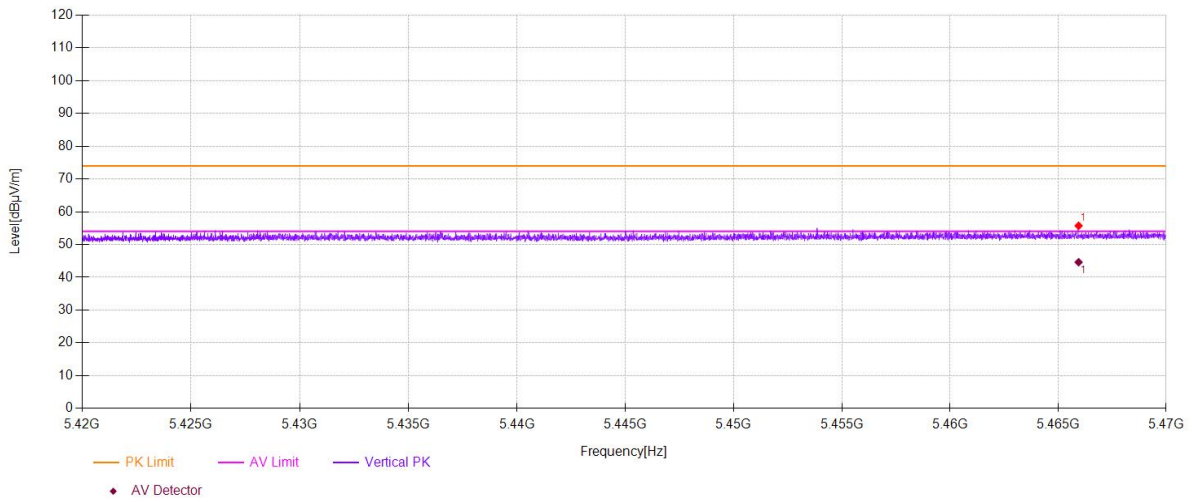
**U-NII -2C**

Test Model	Undesirable radiated 802.11ac(VHT20)	Undesirable radiated Spurious Emission in Band Edge	Channel 100: 5500MHz
			Ant.Pol: H

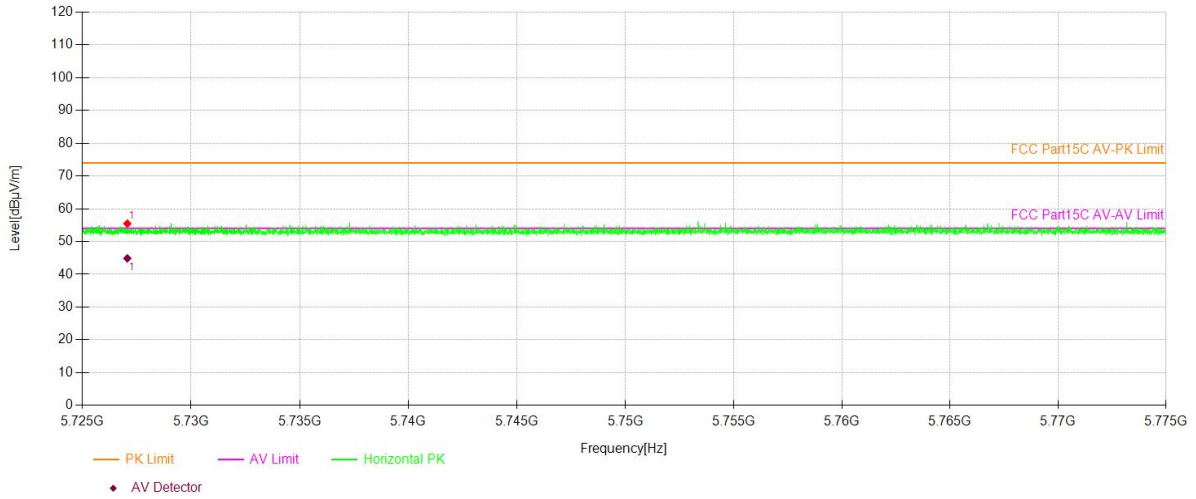


**U-NII -2C**

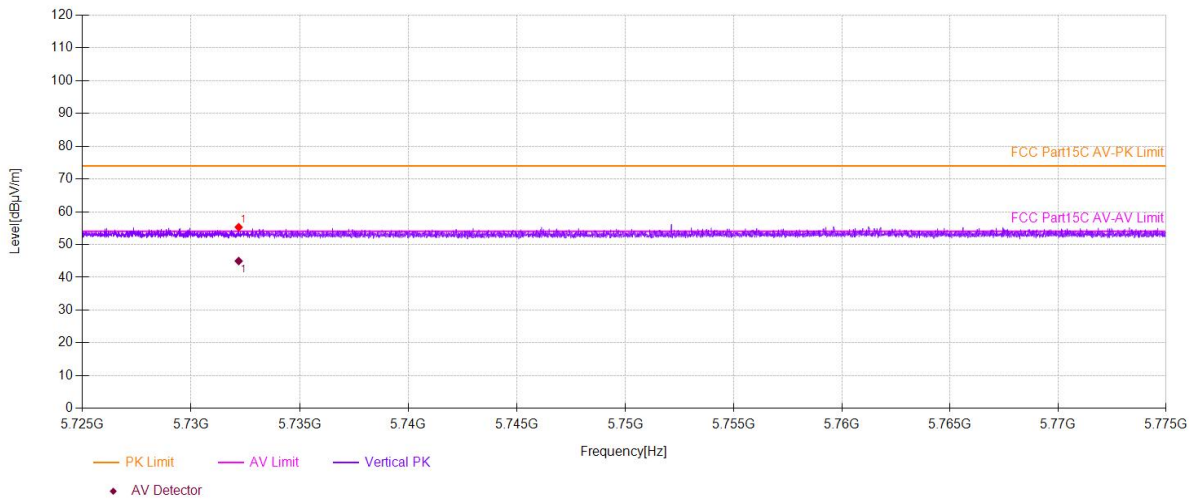
Test Model	Undesirable radiated 802.11ac(VHT20)	Undesirable radiated Spurious Emission in Band Edge	Channel 100: 5500MHz
			Ant.Pol: V



<b>U-NII -2C</b>				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11ac(VHT20)	Channel 140: 5700MHz	Ant.Pol	H



<b>U-NII -2C</b>				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11ac(VHT20)	Channel 140: 5700MHz	Ant.Pol	V



■ For Undesirable radiated Spurious Emission in U-NII -3

● Undesirable radiated Spurious Emission Above 1GHz(1GHz to 40GHz)

All the antenna(Antenna 1) and modes(802.11a/n/ac) has been tested and the worst(Antenna 1,802.11a) result recorded was report as below:

Test mode: 802.11a Frequency: Channel 149: 5745MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
8866.43	V	57.76	-37.47	-27	10.47
11528.2	V	60.09	-35.14	-27	8.14
17506.7	V	66.51	-28.72	-27	1.72
8866.43	H	58.19	-37.04	-27	10.04
11502.7	H	60.40	-34.83	-27	7.83
17498.2	H	66.42	-28.81	-27	1.81

Test mode: 802.11a Frequency: Channel 157: 5785MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
8067.03	V	56.94	-38.29	-27	11.29
11562.2	V	60.23	-35	-27	8
17498.2	V	66.29	-28.94	-27	1.94
8067.03	H	56.60	-38.63	-27	11.63
11519.7	H	60.16	-35.07	-27	8.07
17489.7	H	66.63	-28.6	-27	1.6

Test mode: 802.11a Frequency: Channel 165: 5825MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Over(dB)
7964.98	V	55.93	-39.3	-27	12.3
10082.5	V	59.48	-35.75	-27	8.75
17498.2	V	66.41	-28.82	-27	1.82
8050.02	H	56.38	-38.85	-27	11.85
11519.7	H	59.83	-35.4	-27	8.4
17498.2	H	67.29	-27.94	-27	0.94

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value(VBW=10Hz).
  - (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
  - (3) EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 149: 5745MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8866.43	V	57.76	37.67	74	54	16.24	16.33
11528.2	V	60.09	37.94	74	54	13.91	16.06
17506.7	V	66.51	43.63	74	54	7.49	10.37
8866.43	H	58.19	37.67	74	54	15.81	16.33
11502.7	H	60.40	38.08	74	54	13.60	15.92
17498.2	H	66.42	43.82	74	54	7.58	10.18

Test mode: 802.11a Frequency: Channel 157: 5785MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8067.03	V	56.94	36.17	74	54	17.06	17.83
11562.2	V	60.23	38.35	74	54	13.77	15.65
17498.2	V	66.29	44.45	74	54	7.71	9.55
8067.03	H	56.60	36.41	74	54	17.40	17.59
11519.7	H	60.16	37.99	74	54	13.84	16.01
17489.7	H	66.63	43.45	74	54	7.37	10.55

Test mode:: 802.11a Frequency: Channel 165: 5825MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
7964.98	V	55.93	35.32	74	54	18.07	18.68
10082.5	V	59.48	37.00	74	54	14.52	17.00
17498.2	V	66.41	43.80	74	54	7.59	10.20
8050.02	H	56.38	35.67	74	54	17.62	18.33
11519.7	H	59.83	37.99	74	54	14.17	16.01
17498.2	H	67.29	43.81	74	54	6.71	10.19

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value (VBW=10Hz).
  - (2) Emission Level= Reading Level+Correct Factor.
  - (3) Correct Factor= Ant\_F + Cab\_L - Preamp
  - (4) The reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.



●Undesirable radiated Undesirable radiatedSpurious Emission in Band Edge

All the antenna( Antenna 1 ) and modes( 802.11a/n/ac ) has been tested and the worst( Antenna 1,802.11ac(VHT20)) result recorded was report as below:

Test mode: 802.11ac(VHT20) Frequency: Channel 149: 5745MHz

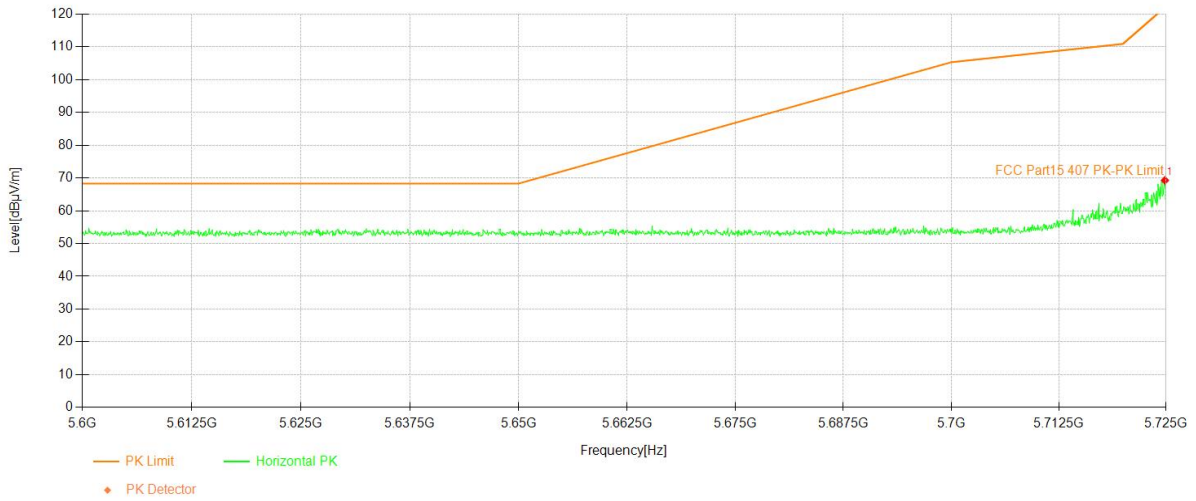
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5724.87	H	69.27	-25.96	-27	PASS
5724.12	V	56.77	-38.46	-27	PASS

Test mode: 802.11ac(VHT20) Frequency: Channel 165: 5825MHz

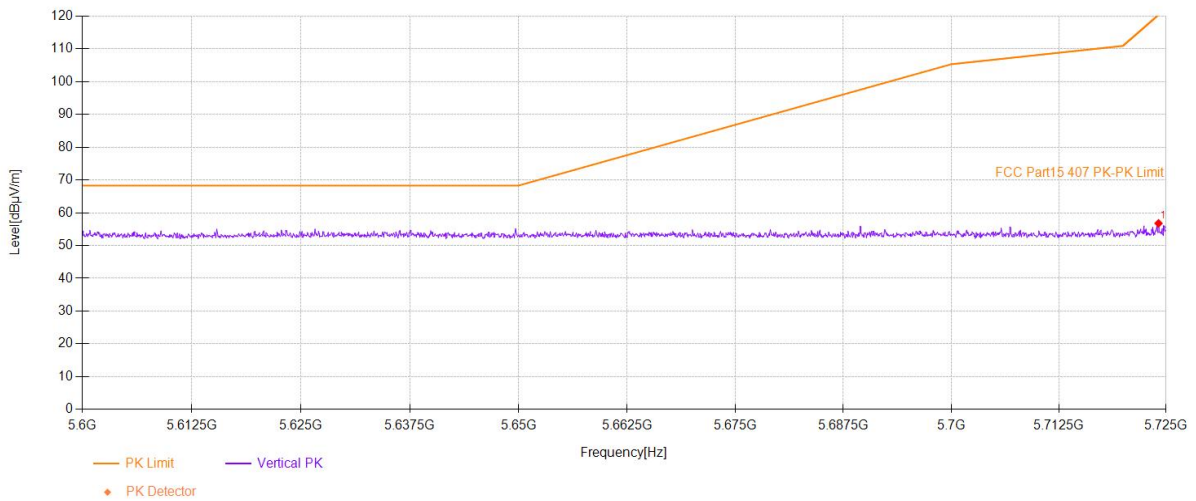
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5850.81	V	55.73	-39.5	-27	PASS
5851.93	H	63.80	-31.43	-27	PASS

- Note:**
- (1) All Readings are Peak Value (VBW=3MHz) and Average Value(VBW=10Hz).
  - (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
  - (3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77  
d is the measurement distance in 3 meters

<b>U-NII-3</b>				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11ac(VHT20)	Channel 149: 5745MHz	Ant.Pol	H

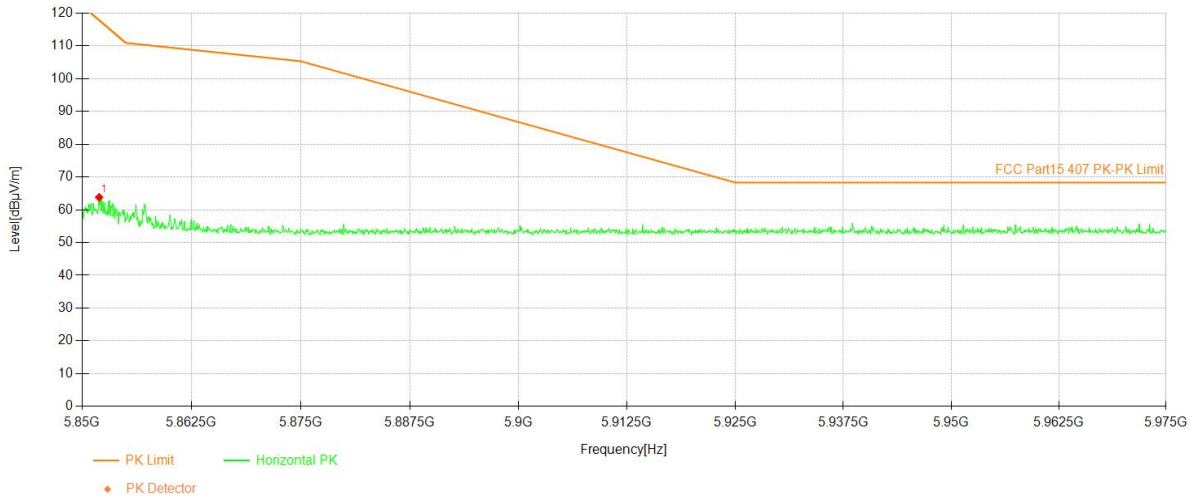


<b>U-NII-3</b>				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11ac(VHT20)	Channel 149: 5745MHz	Ant.Pol	V



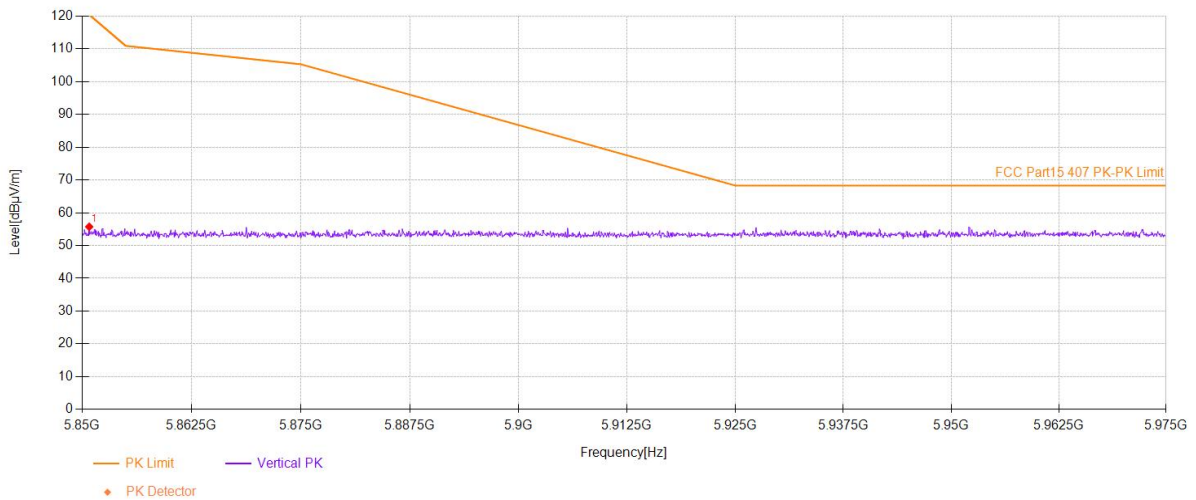
**U-NII-3**

Test Model	Undesirable radiated 802.11ac(VHT20)	Undesirable radiated Channel 165: 5825MHz	Spurious Emission in Band Edge Ant.Pol
			<b>H</b>



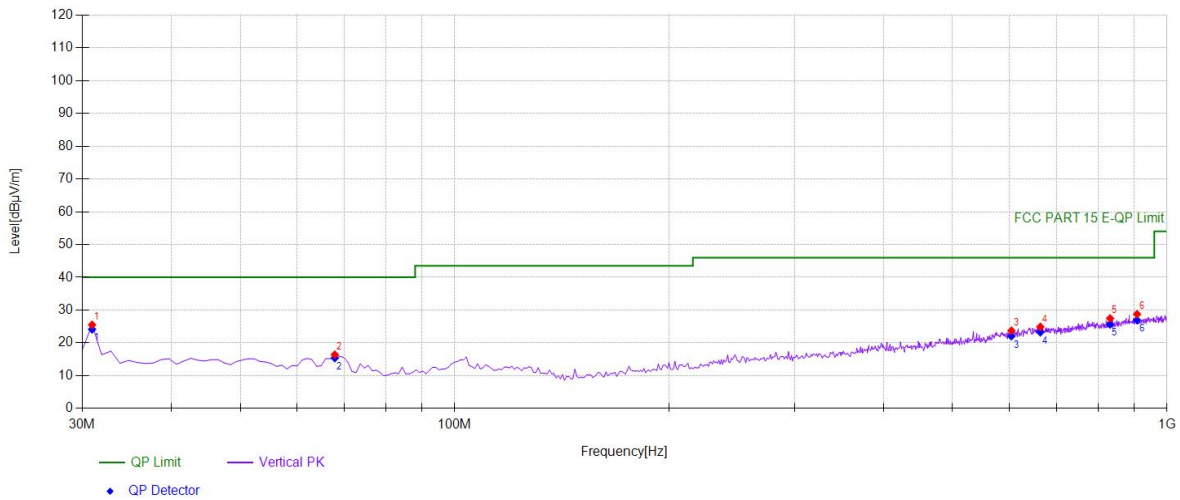
**U-NII-3**

Test Model	Undesirable radiated 802.11ac(VHT20)	Undesirable radiated Channel 165: 5825MHz	Spurious Emission in Band Edge Ant.Pol
			<b>V</b>



- Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)  
All the antenna( Antenna 1 ) and modes( 802.11a/n/ac ) has been tested and the worst( Antenna 1,802.11a) result recorded was report as below:

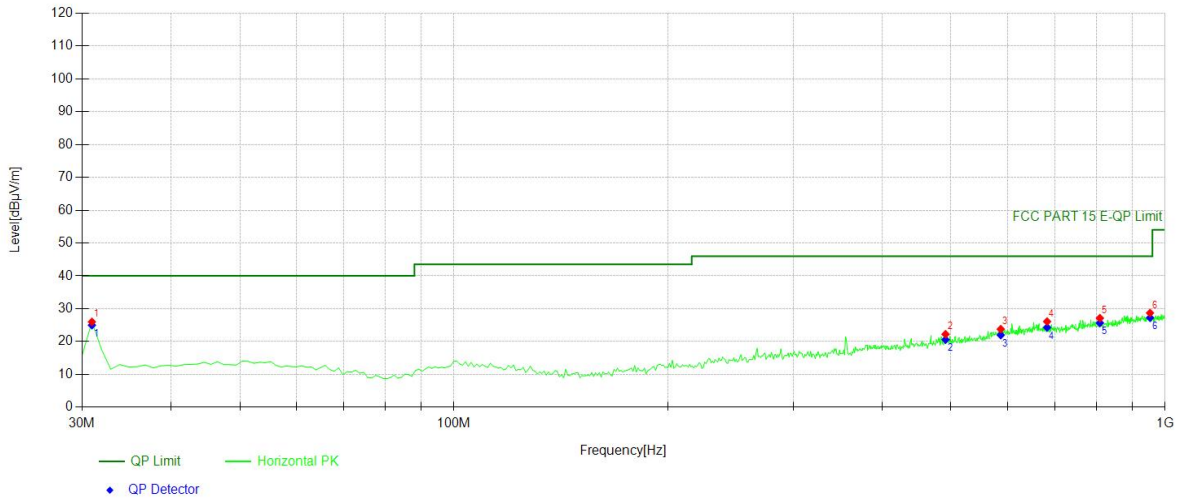
Mode:	11A 5180
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Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	30.971	43.98	-18.47	25.51	PK	40.00	14.49	Vertical
2	67.8679	36.08	-19.66	16.42	PK	40.00	23.58	Vertical
3	604.814	30.84	-7.11	23.73	PK	46.00	22.27	Vertical
4	664.044	31.05	-6.14	24.91	PK	46.00	21.09	Vertical
5	832.022	31.55	-4.07	27.48	PK	46.00	18.52	Vertical
6	907.757	31.59	-2.83	28.76	PK	46.00	17.24	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	30.971	-18.47	24.13	40.00	15.87
2	67.8679	-19.66	15.39	40.00	24.61
3	604.8148	-7.11	22.06	46.00	23.94
4	664.044	-6.14	23.24	46.00	22.76
5	832.022	-4.07	25.65	46.00	20.35
6	907.7578	-2.83	26.93	46.00	19.07

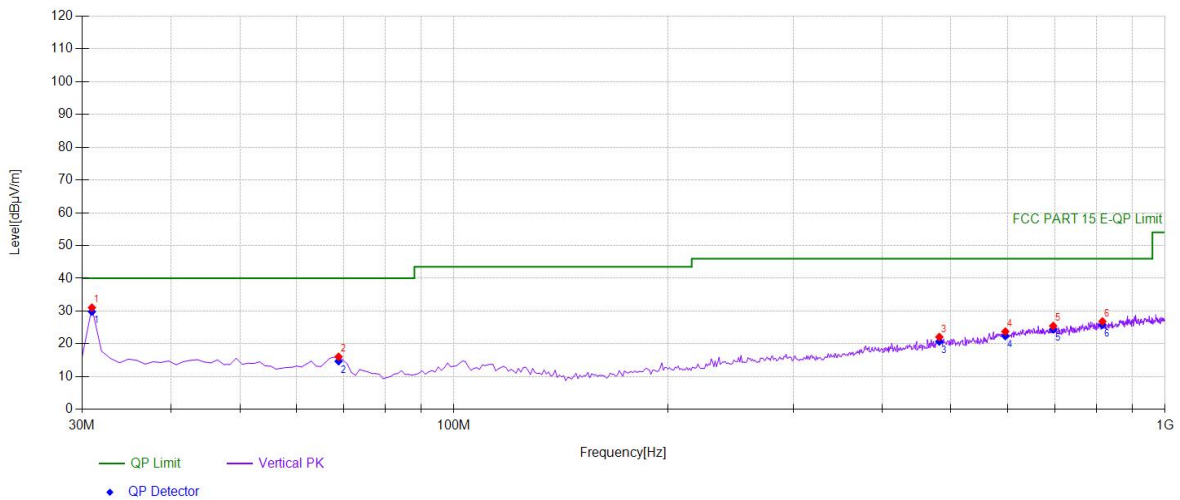
Mode:	11A 5180
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Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	30.971	44.47	-18.47	26.00	PK	40.00	14.00	Horizontal
2	491.211	32.04	-9.80	22.24	PK	46.00	23.76	Horizontal
3	587.337	30.93	-7.14	23.79	PK	46.00	22.21	Horizontal
4	682.492	32.19	-6.08	26.11	PK	46.00	19.89	Horizontal
5	809.689	31.47	-4.34	27.13	PK	46.00	18.87	Horizontal
6	952.422	31.03	-2.32	28.71	PK	46.00	17.29	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	30.971	-18.47	24.99	40.00	15.01
2	491.2112	-9.80	20.59	46.00	25.41
3	587.3373	-7.14	21.98	46.00	24.02
4	682.4925	-6.08	24.30	46.00	21.70
5	809.6897	-4.34	25.67	46.00	20.33
6	952.4224	-2.32	27.25	46.00	18.75

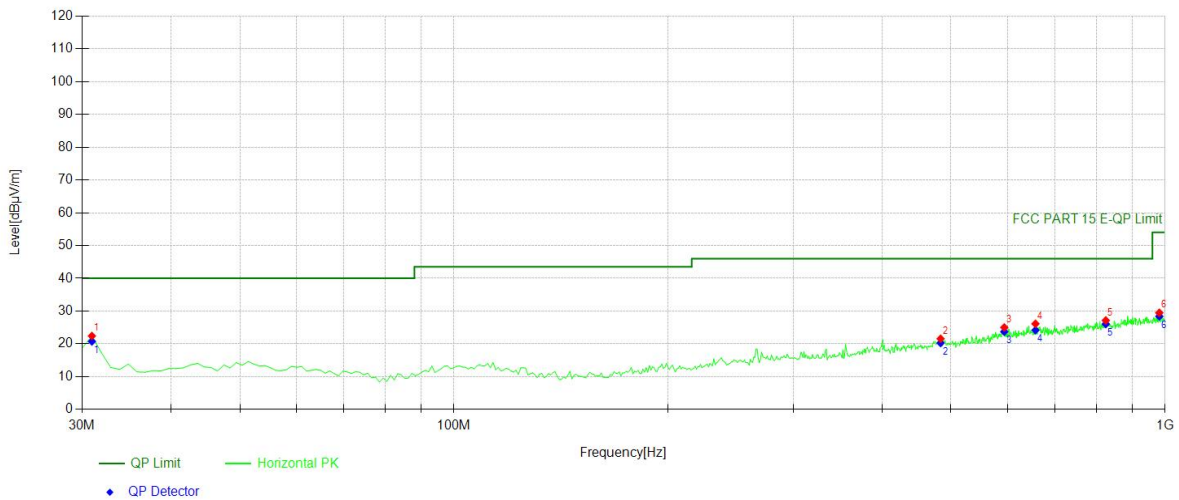
Mode:	11A 5200
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Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	30.971	49.52	-18.47	31.05	PK	40.00	8.95	Vertical
2	68.8388	35.88	-19.80	16.08	PK	40.00	23.92	Vertical
3	481.501	31.89	-9.78	22.11	PK	46.00	23.89	Vertical
4	596.076	30.91	-7.14	23.77	PK	46.00	22.23	Vertical
5	696.086	31.45	-5.98	25.47	PK	46.00	20.53	Vertical
6	816.486	31.16	-4.31	26.85	PK	46.00	19.15	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	30.971	-18.47	29.84	40.00	10.16
2	68.8388	-19.80	14.71	40.00	25.29
3	481.5015	-9.78	20.74	46.00	25.26
4	596.0761	-7.14	22.40	46.00	23.60
5	696.0861	-5.98	24.46	46.00	21.54
6	816.4865	-4.31	25.84	46.00	20.16

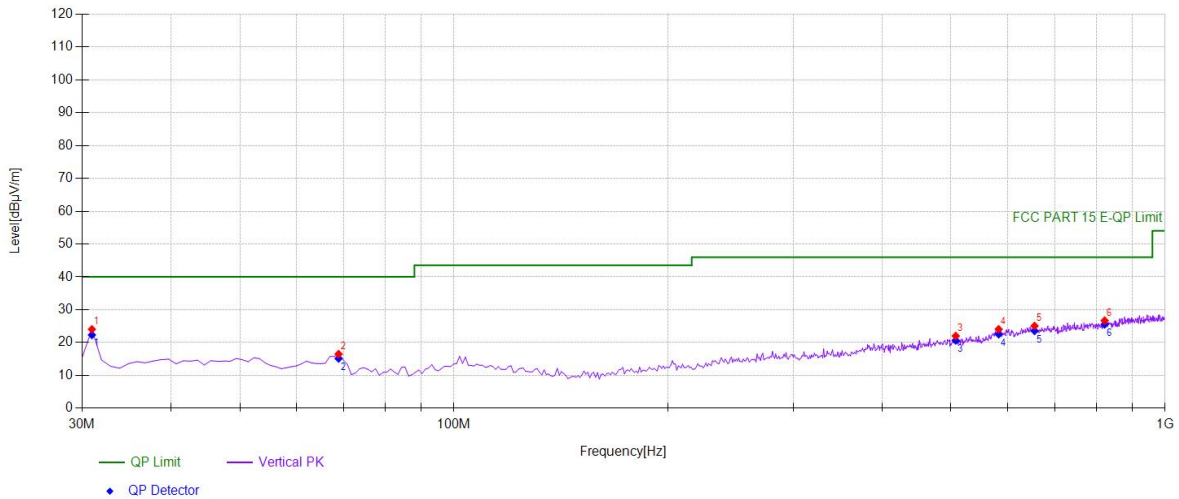
Mode:	11A 5200
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Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	30.971	40.90	-18.47	22.43	PK	40.00	17.57	Horizontal
2	483.443	31.36	-9.79	21.57	PK	46.00	24.43	Horizontal
3	594.134	32.16	-7.14	25.02	PK	46.00	20.98	Horizontal
4	657.247	32.28	-6.15	26.13	PK	46.00	19.87	Horizontal
5	825.225	31.37	-4.21	27.16	PK	46.00	18.84	Horizontal
6	981.551	31.27	-1.78	29.49	PK	54.00	24.51	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	30.971	-18.47	20.77	40.00	19.23
2	483.4434	-9.79	20.27	46.00	25.73
3	594.1341	-7.14	23.72	46.00	22.28
4	657.2472	-6.15	24.19	46.00	21.81
5	825.2252	-4.21	26.06	46.00	19.94
6	981.5516	-1.78	28.39	54.00	25.61

Mode:	11A 5240
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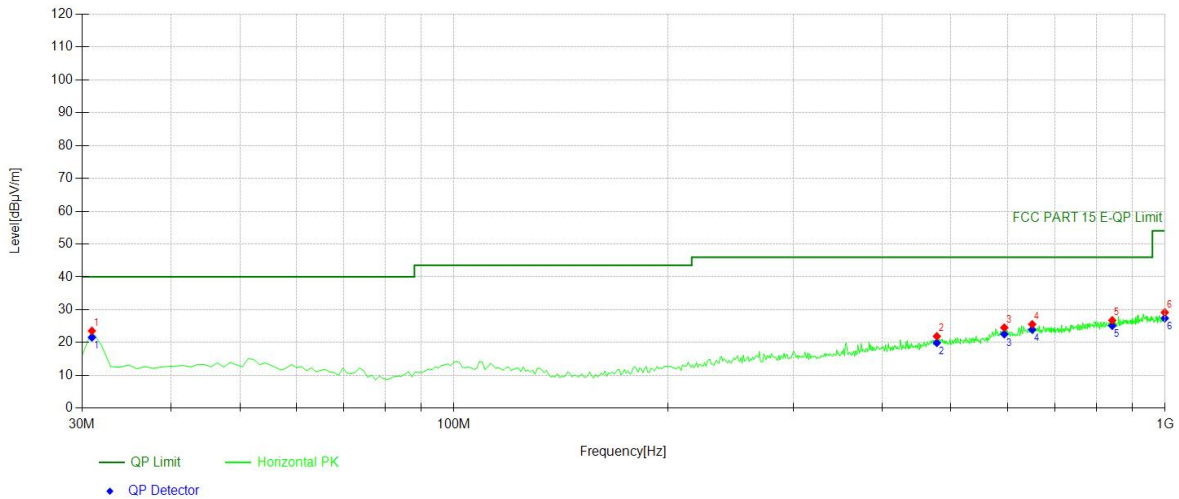


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	30.971	42.51	-18.47	24.04	PK	40.00	15.96	Vertical
2	68.8388	36.30	-19.80	16.50	PK	40.00	23.50	Vertical
3	507.717	31.80	-9.78	22.02	PK	46.00	23.98	Vertical
4	583.453	31.20	-7.14	24.06	PK	46.00	21.94	Vertical
5	655.305	31.24	-6.17	25.07	PK	46.00	20.93	Vertical
6	822.312	30.94	-4.25	26.69	PK	46.00	19.31	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	30.971	-18.47	22.33	40.00	17.67
2	68.8388	-19.80	15.15	40.00	24.85
3	507.7177	-9.78	20.67	46.00	25.33
4	583.4535	-7.14	22.55	46.00	23.45
5	655.3053	-6.17	23.56	46.00	22.44
6	822.3123	-4.25	25.53	46.00	20.47



Mode:	11A 5240
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Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	30.971	42.03	-18.47	23.56	PK	40.00	16.44	Horizontal
2	477.617	31.84	-9.93	21.91	PK	46.00	24.09	Horizontal
3	594.134	31.69	-7.14	24.55	PK	46.00	21.45	Horizontal
4	650.450	31.79	-6.22	25.57	PK	46.00	20.43	Horizontal
5	842.702	30.61	-3.84	26.77	PK	46.00	19.23	Horizontal
6	999.029	30.90	-1.72	29.18	PK	54.00	24.82	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]
1	30.971	-18.47	21.58	40.00	18.42
2	477.6176	-9.93	19.93	46.00	26.07
3	594.1341	-7.14	22.57	46.00	23.43
4	650.4504	-6.22	23.95	46.00	22.05
5	842.7027	-3.84	25.15	46.00	20.85
6	999.029	-1.72	27.40	54.00	26.60

## 8.5 POWER LINE CONDUCTED EMISSIONS

### 8.5.1 Applicable Standard

According to FCC Part 15.207(a)  
According to IC RSS-Gen 8.8

### 8.5.2 Conformance Limit

Frequency(MHz)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies  
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 8.5.3 Test Configuration

Test according to clause 6.3 conducted emission test setup

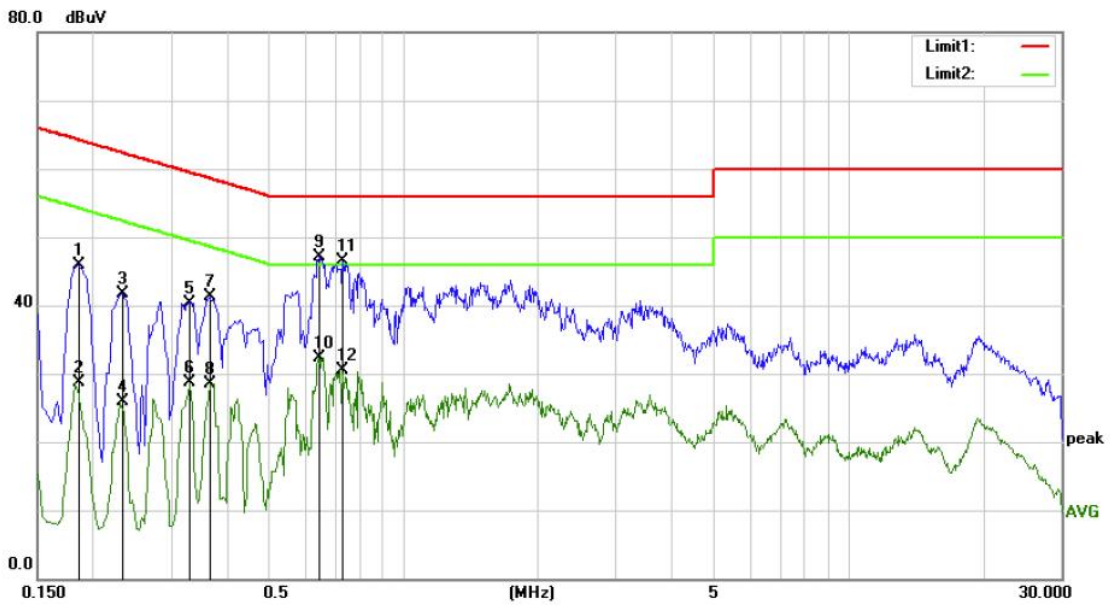
### 8.5.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane.  
Maximum procedure was performed on the highest emissions to ensure EUT compliance.  
Repeat above procedures until all frequency measured were complete.

### 8.5.5 Test Results

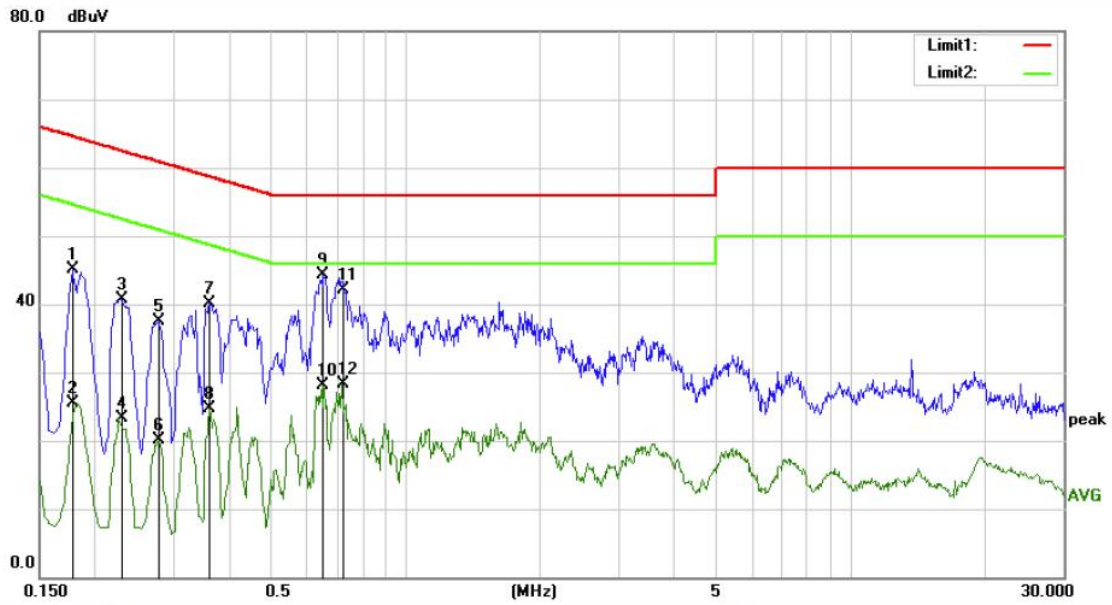
Pass

The AC120V &240V voltage have been tested, and the worst result recorded was report as below:



Site Conduction #1 Phase: **N** Temperature: 20.8  
 Limit: (CE)FCC PART 15 class B\_QP Power: AC 120V/60Hz Humidity: 61 %  
 Mode: WIFI  
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1860	35.98	9.93	45.91	64.21	-18.30	QP	
2		0.1860	18.77	9.93	28.70	54.21	-25.51	AVG	
3		0.2340	31.69	10.08	41.77	62.31	-20.54	QP	
4		0.2340	15.75	10.08	25.83	52.31	-26.48	AVG	
5		0.3300	30.43	9.97	40.40	59.45	-19.05	QP	
6		0.3300	18.81	9.97	28.78	49.45	-20.67	AVG	
7		0.3660	31.42	9.89	41.31	58.59	-17.28	QP	
8		0.3660	18.63	9.89	28.52	48.59	-20.07	AVG	
9	*	0.6460	37.38	9.66	47.04	56.00	-8.96	QP	
10		0.6460	22.64	9.66	32.30	46.00	-13.70	AVG	
11		0.7300	36.91	9.67	46.58	56.00	-9.42	QP	
12		0.7300	20.82	9.67	30.49	46.00	-15.51	AVG	



Site Conduction #1 Phase: **L1** Temperature: 20.8  
 Limit: (CE)FCC PART 15 class B\_QP Power: AC 120V/60Hz Humidity: 61 %  
 Mode: WIFI  
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1780	35.24	9.84	45.08	64.58	-19.50	QP	
2		0.1780	15.71	9.84	25.55	54.58	-29.03	AVG	
3		0.2300	30.62	10.08	40.70	62.45	-21.75	QP	
4		0.2300	13.18	10.08	23.26	52.45	-29.19	AVG	
5		0.2780	27.42	10.05	37.47	60.88	-23.41	QP	
6		0.2780	10.07	10.05	20.12	50.88	-30.76	AVG	
7		0.3620	30.16	9.90	40.06	58.68	-18.62	QP	
8		0.3620	14.78	9.90	24.68	48.68	-24.00	AVG	
9	*	0.6540	34.61	9.65	44.26	56.00	-11.74	QP	
10		0.6540	18.37	9.65	28.02	46.00	-17.98	AVG	
11		0.7260	32.39	9.67	42.06	56.00	-13.94	QP	
12		0.7260	18.60	9.67	28.27	46.00	-17.73	AVG	

## 8.6 ANTENNA APPLICATION

### 8.6.1 Antenna Requirement

Standard	Requirement
FCC CRF Part15.203	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.
FCC 47 CFR Part15.407(a)	If transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.
RSS-Gen Section 6.8	The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

### 8.6.2 Result

PASS.

- Note:
- Antenna use a permanently attached antenna which is not replaceable.
  - Not using a standard antenna jack or electrical connector for antenna replacement
  - The antenna has to be professionally installed (please provide method of installation)

Please refer to the attached documentInternal Photos to show the antenna connector.

----- END OF REPORT -----