

Test mode: 802.11a Frequency: Channel 52: 5260MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8169.08	V	56.41	36.10	74	54	17.59	17.90
10091.0	V	60.45	37.10	74	54	13.55	16.90
17506.7	V	65.90	43.53	74	54	8.10	10.47
8169.08	H	56.89	36.46	74	54	17.11	17.54
11511.2	H	59.95	37.98	74	54	14.05	16.02
17506.7	H	65.81	43.97	74	54	8.19	10.03

Test mode: 802.11a Frequency: Channel 56: 5280MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8917.45	V	57.44	37.79	74	54	16.56	16.21
11494.2	V	60.98	38.27	74	54	13.02	15.73
17498.2	V	65.60	44.35	74	54	8.40	9.65
8934.46	H	57.49	37.78	74	54	16.51	16.22
11494.2	H	60.10	38.12	74	54	13.90	15.88
17506.7	H	66.31	43.51	74	54	7.69	10.49

Test mode: 802.11a Frequency: Channel 64: 5320MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8857.92	V	57.40	37.52	74	54	16.60	16.48
11375.1	V	60.01	37.29	74	54	13.99	16.71
17498.2	V	65.76	43.81	74	54	8.24	10.19
8237.11	H	56.65	36.23	74	54	17.35	17.77
11485.7	H	60.77	37.90	74	54	13.23	16.10
17498.2	H	66.34	43.72	74	54	7.66	10.28

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&2) 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 52: 5260MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)		E.I.R.P (dBm)		Limit (dBm)	Verdict
5119.85	H	63.70		-31.53		-27	Pass
5111.16	V	62.93		-32.3		-27	Pass

Test mode:		802.11ac(VHT20)		Frequency:		Channel 64: 5320MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)		E.I.R.P (dBm)		Limit (dBm)	Verdict
5353.01	H	64.07		-31.16		-27	Pass
5353.58	V	64.07		-31.16		-27	Pass

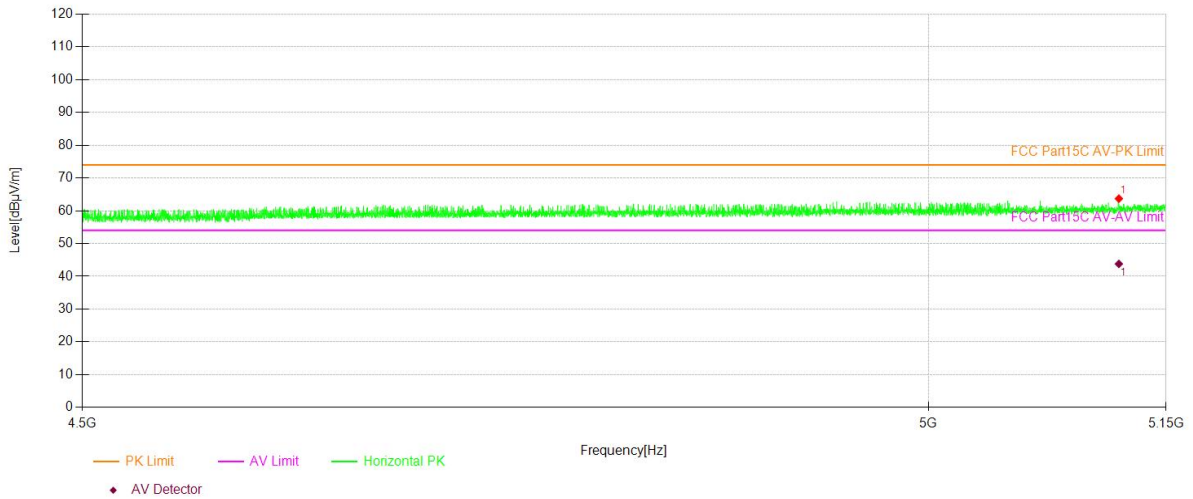
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value(VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Test mode:		802.11ac(VHT20)		Frequency:		Channel 52: 5260MHz	
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)
5119.85	H	63.70	74.00	10.30	43.79	54.00	10.21
5111.16	V	62.93	74.00	11.07	43.71	54.00	10.29

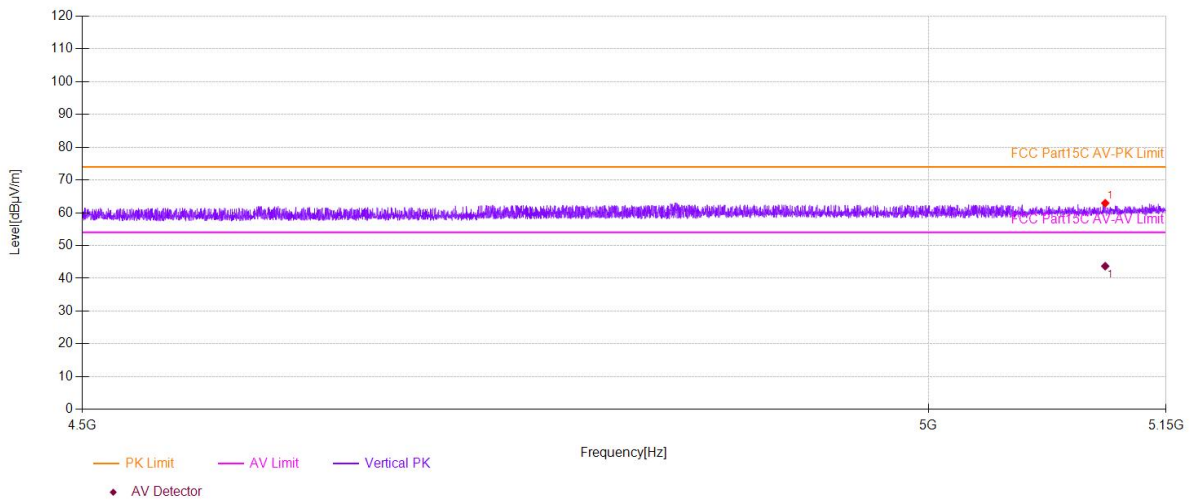
Test mode:		802.11ac(VHT20)		Frequency:		Channel 64: 5320MHz	
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	Over(dB)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)	Over(dB)
5353.01	H	64.07	74.00	9.93	44.26	54.00	9.74
5353.58	V	64.07	74.00	9.93	44.41	54.00	9.59

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.

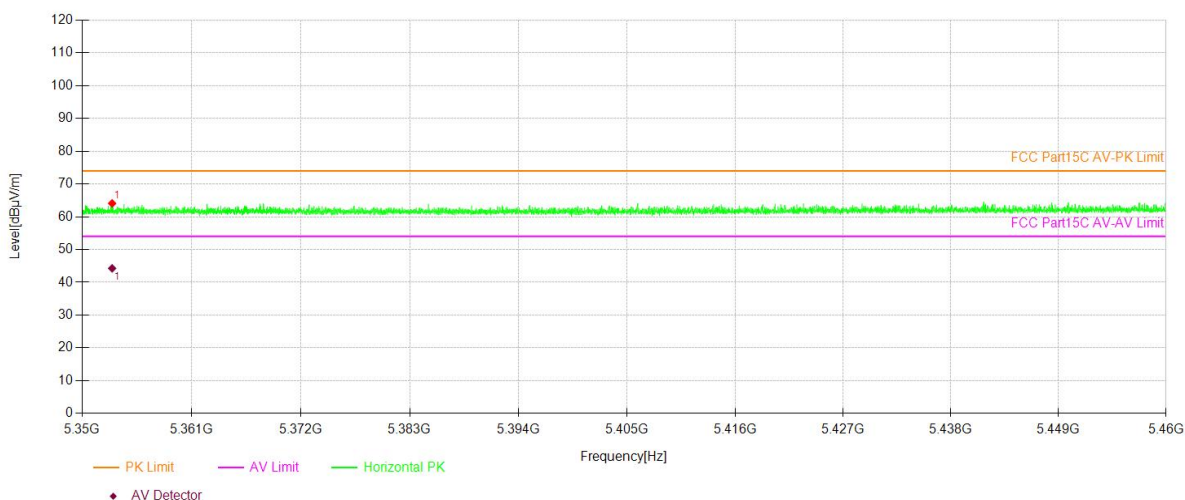
U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11ac(VHT20)	Channel 52: 5260MHz	Ant.Pol	H



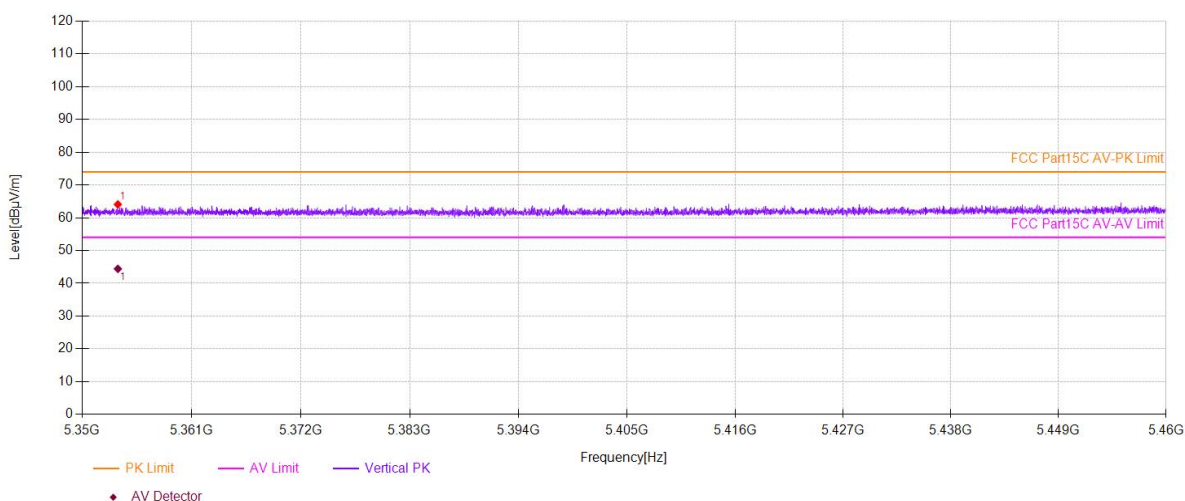
U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11ac(VHT20)	Channel 52: 5260MHz	Ant.Pol	V



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



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



■ For Undesirable radiatedSpurious Emission in U-NII -2C

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

All the antenna(Antenna 1&2) 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)
8900.45	V	56.87	-38.36	-27	11.36
11494.2	V	61.28	-33.95	-27	6.95
17498.2	V	66.09	-29.14	-27	2.14
10099.5	H	59.02	-36.21	-27	9.21
12761.3	H	59.05	-36.18	-27	9.18
17498.2	H	66.24	-28.99	-27	1.99

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)
8866.43	V	56.94	-38.29	-27	11.29
11485.7	V	59.95	-35.28	-27	8.28
17489.7	V	65.63	-29.6	-27	2.60
8755.87	H	57.21	-38.02	-27	11.02
11477.2	H	60.14	-35.09	-27	8.09
17498.2	H	65.95	-29.28	-27	2.28

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)
8764.38	V	57.60	-37.63	-27	10.63
11545.2	V	60.09	-35.14	-27	8.14
17506.7	V	66.20	-29.03	-27	2.03
8823.91	H	56.58	-38.65	-27	11.65
11553.7	H	60.03	-35.2	-27	8.20
17515.2	H	65.95	-29.28	-27	2.28

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[dBuV/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
8900.45	V	56.87	37.93	74	54	17.13	16.07
11494.2	V	61.28	37.98	74	54	12.72	16.02
17498.2	V	66.09	44.00	74	54	7.91	10.00
10099.5	H	59.02	41.11	74	54	14.98	12.89
12761.3	H	59.05	40.67	74	54	14.95	13.33
17498.2	H	66.24	44.26	74	54	7.76	9.74

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
8866.43	V	56.94	37.48	74	54	17.06	16.52
11485.7	V	59.95	38.50	74	54	14.05	15.50
17489.7	V	65.63	43.49	74	54	8.37	10.51
8755.87	H	57.21	37.06	74	54	16.79	16.94
11477.2	H	60.14	37.82	74	54	13.86	16.18
17498.2	H	65.95	43.59	74	54	8.05	10.41

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
8764.38	V	57.60	37.09	74	54	16.40	16.91
11545.2	V	60.09	37.79	74	54	13.91	16.21
17506.7	V	66.20	43.43	74	54	7.80	10.57
8823.91	H	56.58	37.08	74	54	17.42	16.92
11553.7	H	60.03	37.87	74	54	13.97	16.13
17515.2	H	65.95	43.96	74	54	8.05	10.04

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&2) 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		
5469.05	H	55.37	-39.86	-27	Pass		
5467.30	V	55.25	-39.98	-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		
5727.79	H	55.20	-40.03	-27	Pass		
5726.33	V	54.67	-40.56	-27	Pass		

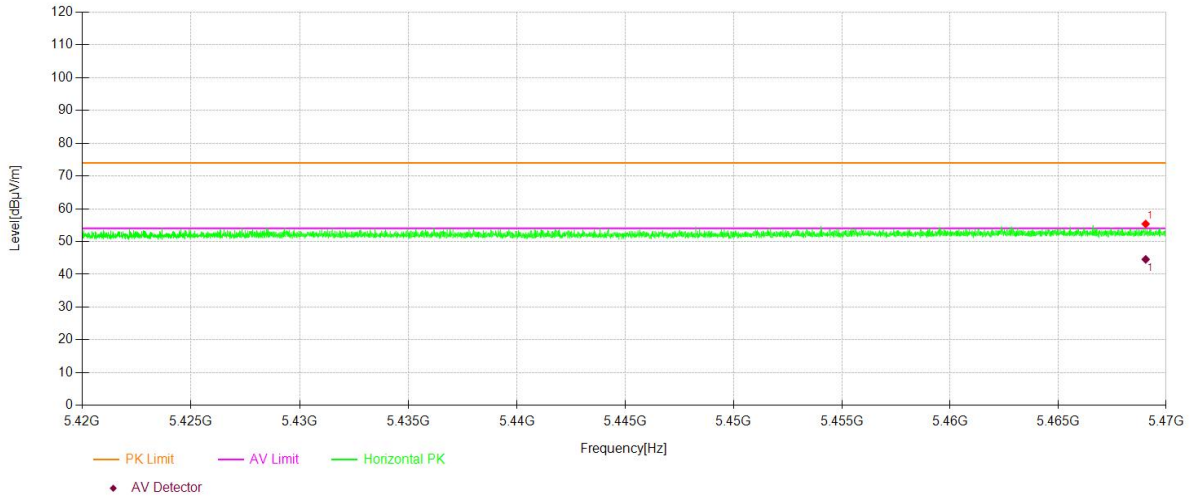
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value(VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

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)
5469.05	H	55.37	74.00	18.63	44.57	54.00	9.43
5467.30	V	55.25	74.00	18.75	44.59	54.00	9.41

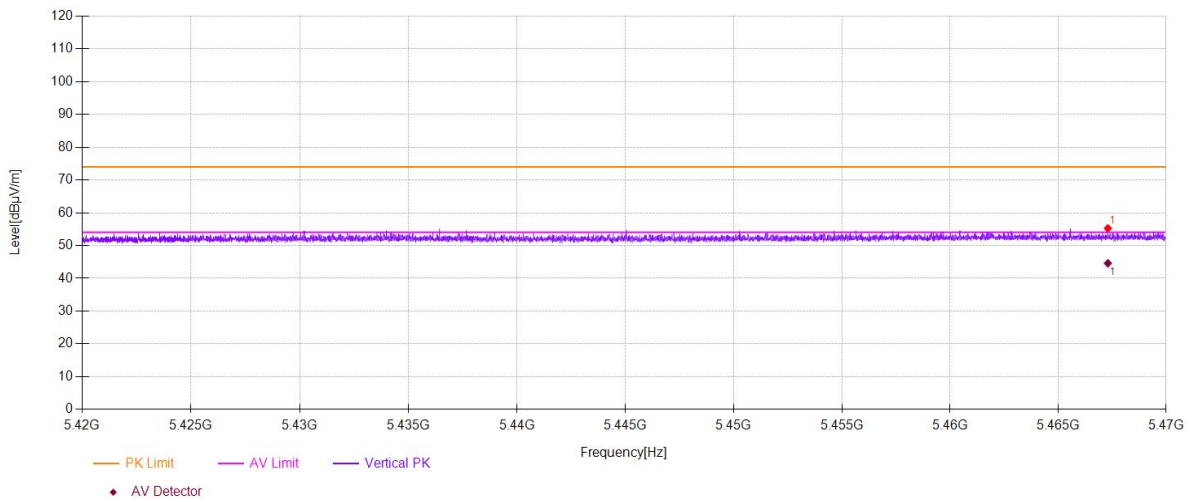
Test mode:		802.11ac(VHT20)		Frequency:		Channel 140: 5700MHz	
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	Over(dB)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)	Over(dB)
5727.79	H	55.20	74.00	18.80	44.89	54.00	9.11
5726.33	V	54.67	74.00	19.33	44.78	54.00	9.22

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.

Test Model U-NII -2C
Undesirable radiated Undesirable radiatedSpurious Emission in Band Edge
802.11ac(VHT20) Channel 100: 5500MHz Ant.Pol H

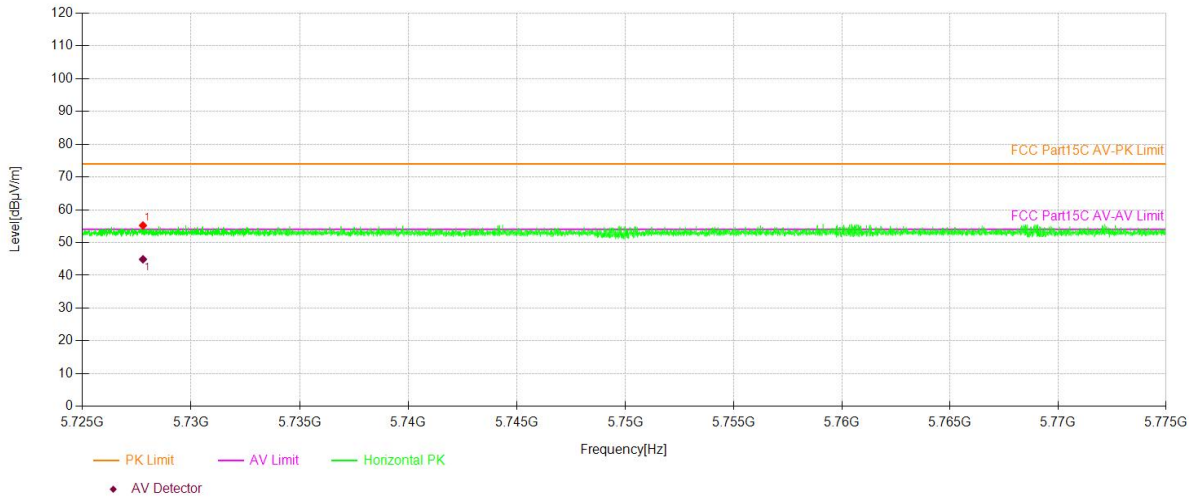


Test Model U-NII -2C
Undesirable radiated Undesirable radiatedSpurious Emission in Band Edge
802.11ac(VHT20) Channel 100: 5500MHz Ant.Pol V



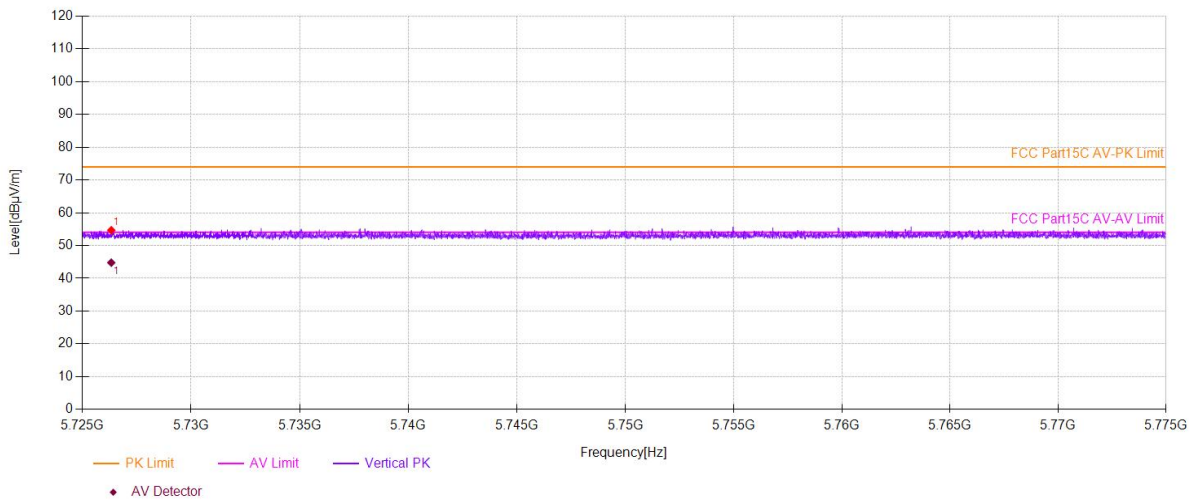
U-NII -2C

Test Model	Undesirable radiated 802.11ac(VHT20)	Undesirable radiatedSpurious Emission in Band Edge Channel 140: 5700MHz	Ant.Pol	H
------------	--------------------------------------	---	---------	---



U-NII -2C

Test Model	Undesirable radiated 802.11ac(VHT20)	Undesirable radiatedSpurious Emission in Band Edge 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&2) 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)
8934.46	V	57.24	-37.99	-27	10.99
11579.2	V	60.48	-34.75	-27	7.75
17489.7	V	66.07	-29.16	-27	2.16
8840.92	H	57.60	-37.63	-27	10.63
11528.2	H	59.95	-35.28	-27	8.28
17489.7	H	65.96	-29.27	-27	2.27

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)
8789.89	V	57.06	-38.17	-27	11.17
11392.1	V	60.07	-35.16	-27	8.16
17030.5	V	66.44	-28.79	-27	1.79
8832.41	H	57.84	-37.39	-27	10.39
11545.2	H	59.95	-35.28	-27	8.28
17498.2	H	65.75	-29.48	-27	2.48

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)
8628.31	V	57.14	-38.09	-27	11.09
11485.7	V	60.70	-34.53	-27	7.53
17506.7	V	66.56	-28.67	-27	1.67
8832.41	H	57.62	-37.61	-27	10.61
11477.2	H	60.99	-34.24	-27	7.24
17489.7	H	66.32	-28.91	-27	1.91

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[dBuV/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
8934.46	V	57.24	37.83	74	54	16.76	16.17
11579.2	V	60.48	37.72	74	54	13.52	16.28
17489.7	V	66.07	43.30	74	54	7.93	10.70
8840.92	H	57.60	37.43	74	54	16.40	16.57
11528.2	H	59.95	38.04	74	54	14.05	15.96
17489.7	H	65.96	43.95	74	54	8.04	10.05

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
8789.89	V	57.06	37.43	74	54	16.94	16.57
11392.1	V	60.07	37.74	74	54	13.93	16.26
17030.5	V	66.44	43.18	74	54	7.56	10.82
8832.41	H	57.84	37.37	74	54	16.16	16.63
11545.2	H	59.95	37.95	74	54	14.05	16.05
17498.2	H	65.75	43.73	74	54	8.25	10.27

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
8628.31	V	57.14	36.43	74	54	16.86	17.57
11485.7	V	60.70	37.95	74	54	13.30	16.05
17506.7	V	66.56	43.49	74	54	7.44	10.51
8832.41	H	57.62	37.41	74	54	16.38	16.59
11477.2	H	60.99	37.87	74	54	13.01	16.13
17489.7	H	66.32	43.45	74	54	7.68	10.55

- 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&2) 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

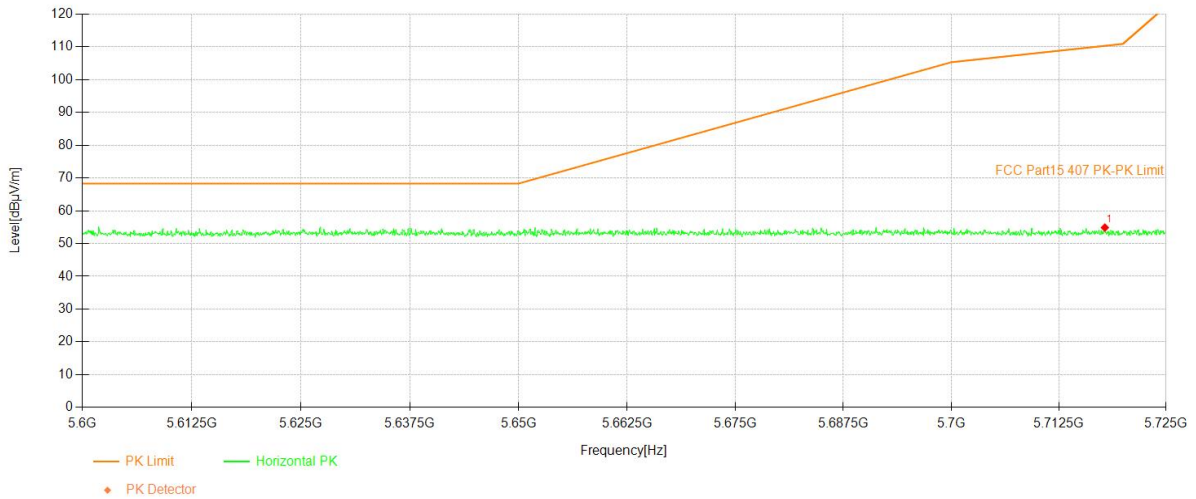
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5717.87	H	54.86	-40.37	-27	PASS
5716.24	V	55.74	-39.49	-27	PASS

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

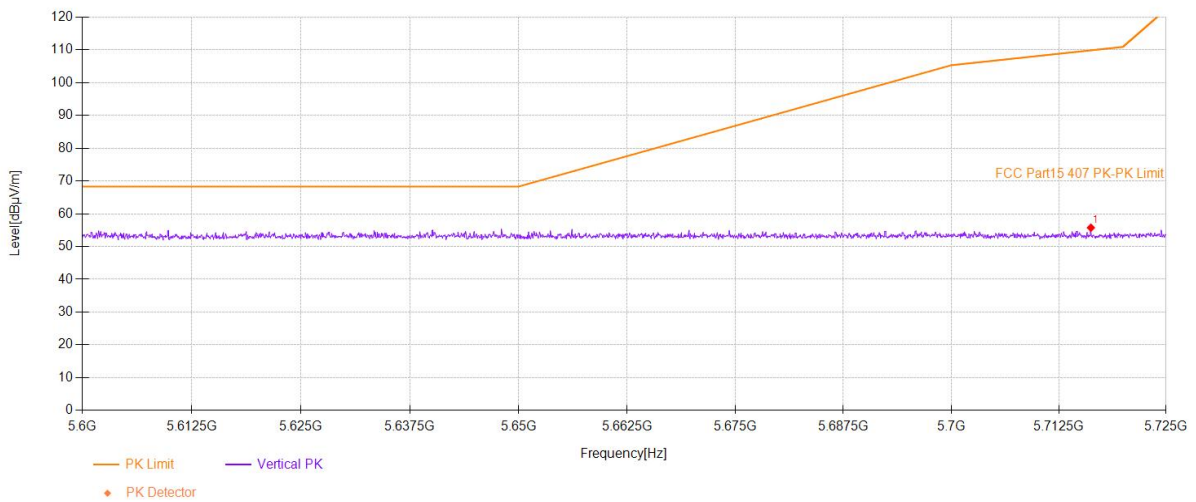
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5850.56	V	54.91	-40.32	-27	PASS
5855.25	H	54.82	-40.41	-27	PASS

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

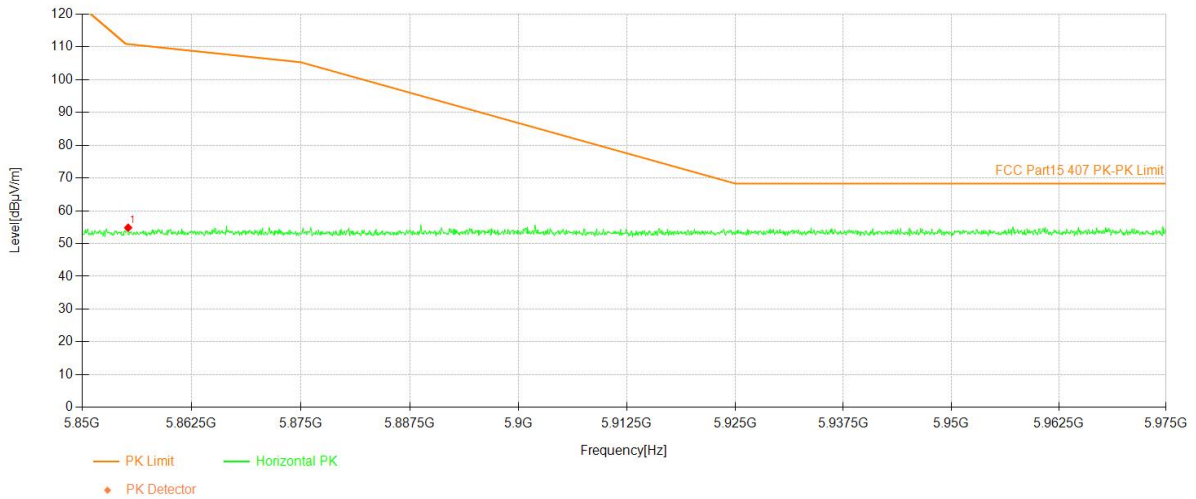
Test Model U-NII-3
Undesirable radiated 802.11ac(VHT20) Undesirable radiated Channel 149: 5745MHz Spurious Emission in Band Edge Ant.Pol H



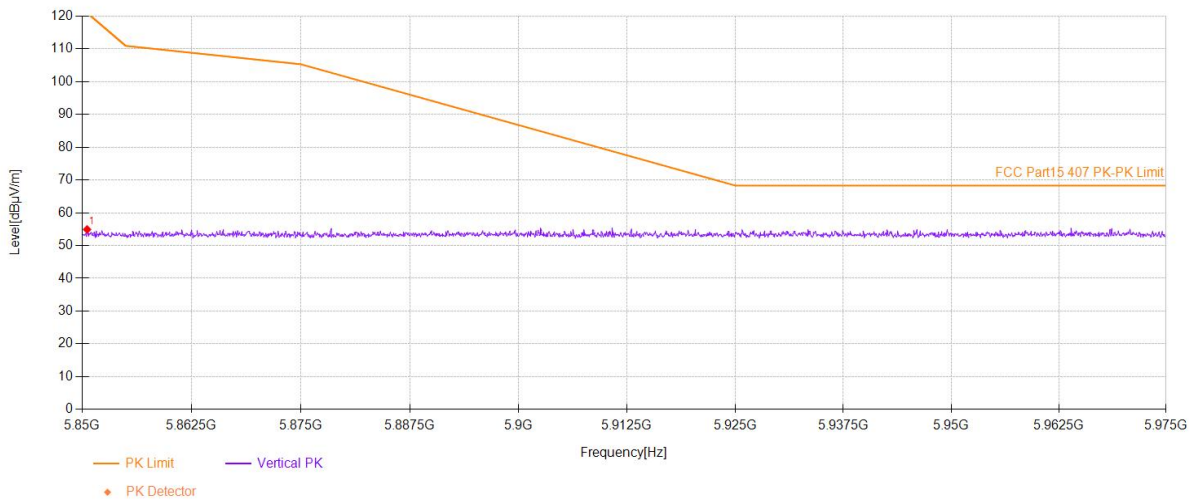
Test Model U-NII-3
Undesirable radiated 802.11ac(VHT20) Undesirable radiated Channel 149: 5745MHz Spurious Emission in Band Edge Ant.Pol V



Test Model U-NII-3
Undesirable radiated 802.11ac(VHT20) Undesirable radiated Channel 165: 5825MHz Spurious Emission in Band Edge Ant.Pol H

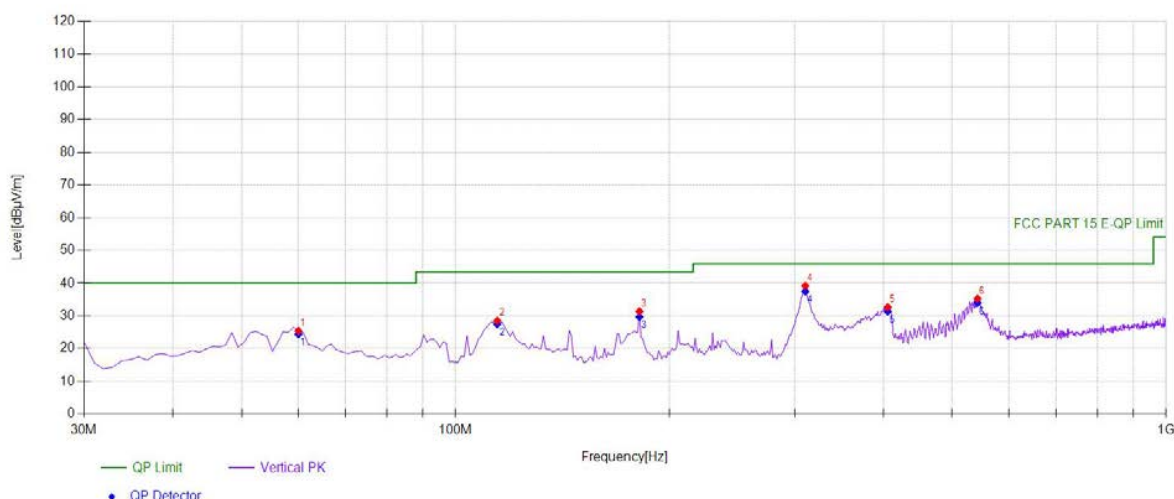


Test Model U-NII-3
Undesirable radiated 802.11ac(VHT20) Undesirable radiated Channel 165: 5825MHz Spurious Emission in Band Edge Ant.Pol V



- Undesirable radiated Spurious Emission below 1GHz (30MHz to 1GHz)
All the antenna(Antenna 1&2) 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
-------	----------



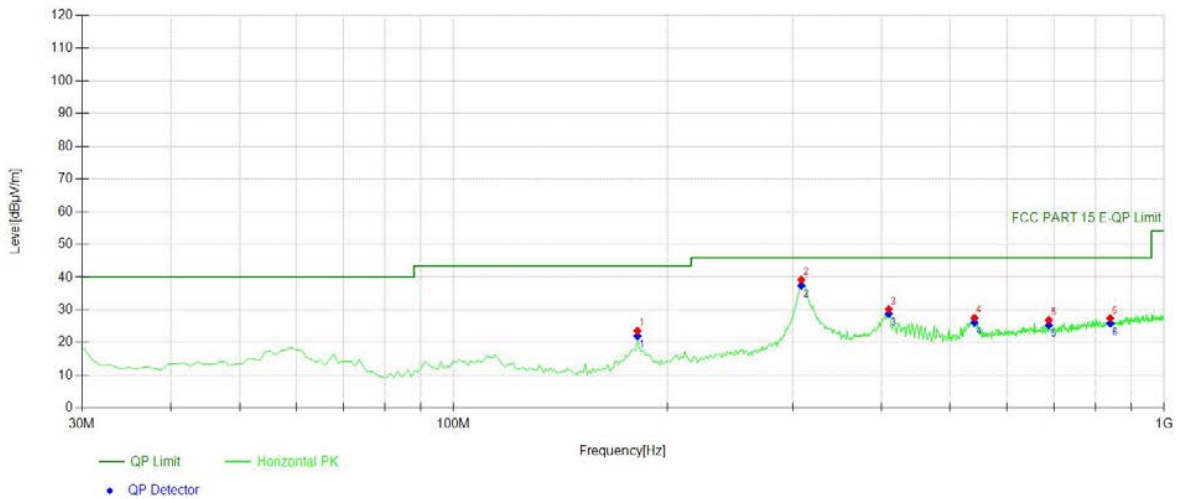
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	60.1001	43.94	-18.56	25.38	PK	40.00	14.62	Vertical
2	114.474	46.08	-17.59	28.49	PK	43.50	15.01	Vertical
3	181.471	49.69	-18.30	31.39	PK	43.50	12.11	Vertical
4	310.610	53.36	-14.15	39.21	PK	46.00	6.79	Vertical
5	405.765	44.46	-11.78	32.68	PK	46.00	13.32	Vertical
6	542.672	44.51	-9.22	35.29	PK	46.00	10.71	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	60.1001	-18.56	24.35	40.00	15.65
2	114.4745	-17.59	27.46	43.50	16.04
3	181.4715	-18.30	29.71	43.50	13.79
4	310.6106	-14.15	37.53	46.00	8.47
5	405.7658	-11.78	31.36	46.00	14.64
6	542.6727	-9.22	33.97	46.00	12.03

Mode:	11A 5180
-------	----------



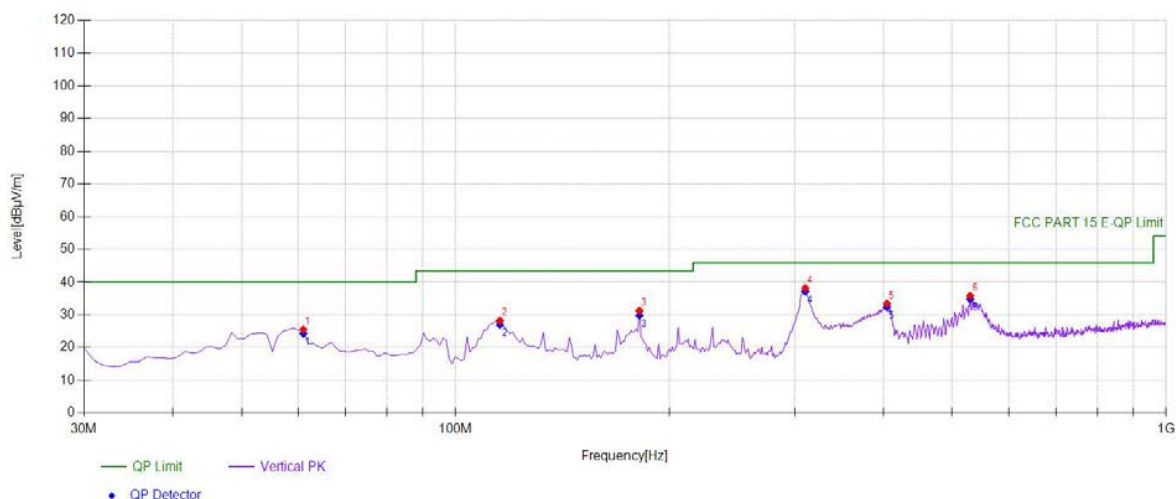
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	181.471	41.86	-18.30	23.56	PK	43.50	19.94	Horizontal
2	308.668	53.35	-14.15	39.20	PK	46.00	6.80	Horizontal
3	409.649	41.95	-11.78	30.17	PK	46.00	15.83	Horizontal
4	540.730	36.77	-9.23	27.54	PK	46.00	18.46	Horizontal
5	688.318	32.93	-6.04	26.89	PK	46.00	19.11	Horizontal
6	839.789	31.30	-3.86	27.44	PK	46.00	18.56	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	181.4715	-18.30	21.95	43.50	21.55
2	308.6687	-14.15	37.43	46.00	8.57
3	409.6496	-11.78	28.75	46.00	17.25
4	540.7307	-9.23	26.12	46.00	19.88
5	688.3183	-6.04	25.31	46.00	20.69
6	839.7898	-3.86	25.86	46.00	20.14

Mode:	11A 5200
-------	----------



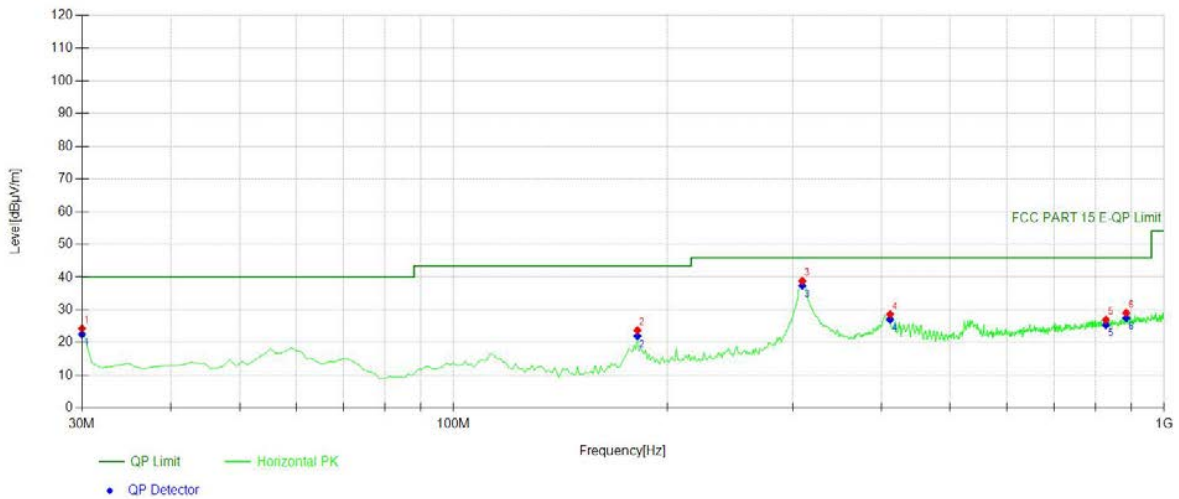
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	61.0711	44.19	-18.70	25.49	PK	40.00	14.51	Vertical
2	115.445	45.90	-17.65	28.25	PK	43.50	15.25	Vertical
3	181.471	49.58	-18.30	31.28	PK	43.50	12.22	Vertical
4	310.610	52.37	-14.15	38.22	PK	46.00	7.78	Vertical
5	404.794	45.26	-11.79	33.47	PK	46.00	12.53	Vertical
6	530.050	45.36	-9.50	35.86	PK	46.00	10.14	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	61.0711	-18.70	24.22	40.00	15.78
2	115.4454	-17.65	26.98	43.50	16.52
3	181.4715	-18.30	29.85	43.50	13.65
4	310.6106	-14.15	37.15	46.00	8.85
5	404.7948	-11.79	32.40	46.00	13.60
6	530.0501	-9.50	34.79	46.00	11.21

Mode:	11A 5200
-------	----------



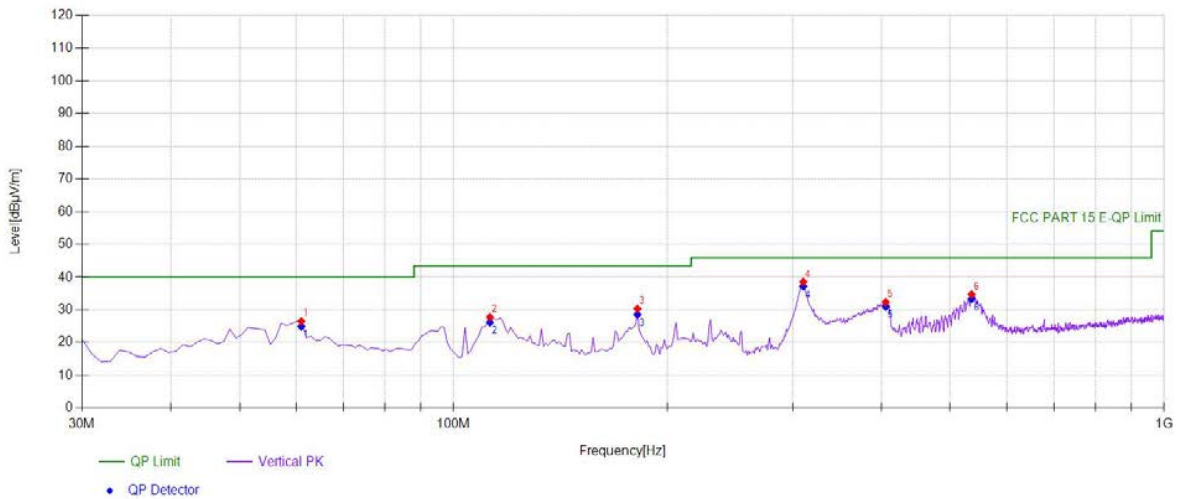
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	30	42.79	-18.53	24.26	PK	40.00	15.74	Horizontal
2	181.471	42.05	-18.30	23.75	PK	43.50	19.75	Horizontal
3	309.639	53.03	-14.15	38.88	PK	46.00	7.12	Horizontal
4	411.591	40.39	-11.77	28.62	PK	46.00	17.38	Horizontal
5	828.138	31.11	-4.15	26.96	PK	46.00	19.04	Horizontal
6	884.454	32.04	-2.94	29.10	PK	46.00	16.90	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	30	-18.53	22.47	40.00	17.53
2	181.4715	-18.30	21.96	43.50	21.54
3	309.6396	-14.15	37.45	46.00	8.55
4	411.5916	-11.77	27.03	46.00	18.97
5	828.1381	-4.15	25.37	46.00	20.63
6	884.4545	-2.94	27.51	46.00	18.49

Mode:	11A 5240
-------	----------



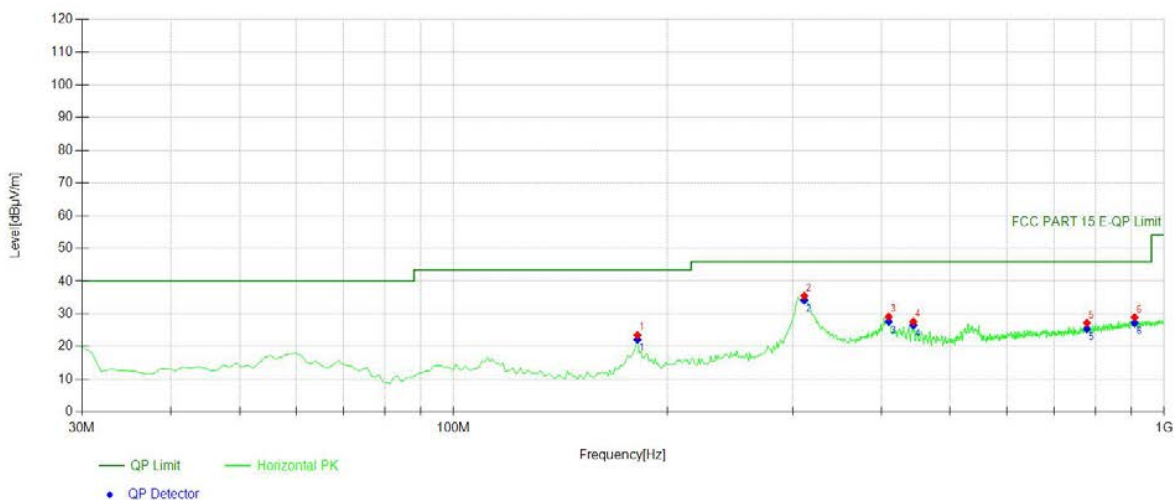
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	61.0711	45.17	-18.70	26.47	PK	40.00	13.53	Vertical
2	112.532	45.21	-17.47	27.74	PK	43.50	15.76	Vertical
3	181.471	48.61	-18.30	30.31	PK	43.50	13.19	Vertical
4	310.610	52.73	-14.15	38.58	PK	46.00	7.42	Vertical
5	405.765	44.12	-11.78	32.34	PK	46.00	13.66	Vertical
6	535.875	44.07	-9.34	34.73	PK	46.00	11.27	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	61.0711	-18.70	24.88	40.00	15.12
2	112.5325	-17.47	26.15	43.50	17.35
3	181.4715	-18.30	28.56	43.50	14.94
4	310.6106	-14.15	37.18	46.00	8.82
5	405.7658	-11.78	30.94	46.00	15.06
6	535.8759	-9.34	33.33	46.00	12.67

Mode:	11A 5240
-------	----------



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	181.471	41.75	-18.30	23.45	PK	43.50	20.05	Horizontal
2	311.581	49.64	-14.15	35.49	PK	46.00	10.51	Horizontal
3	409.649	40.92	-11.78	29.14	PK	46.00	16.86	Horizontal
4	443.633	38.76	-11.16	27.60	PK	46.00	18.40	Horizontal
5	778.618	31.84	-4.67	27.17	PK	46.00	18.83	Horizontal
6	908.728	31.79	-2.84	28.95	PK	46.00	17.05	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	181.4715	-18.30	22.10	43.50	21.40
2	311.5816	-14.15	34.17	46.00	11.83
3	409.6496	-11.78	27.63	46.00	18.37
4	443.6336	-11.16	26.45	46.00	19.55
5	778.6186	-4.67	25.38	46.00	20.62
6	908.7287	-2.84	27.16	46.00	18.84

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

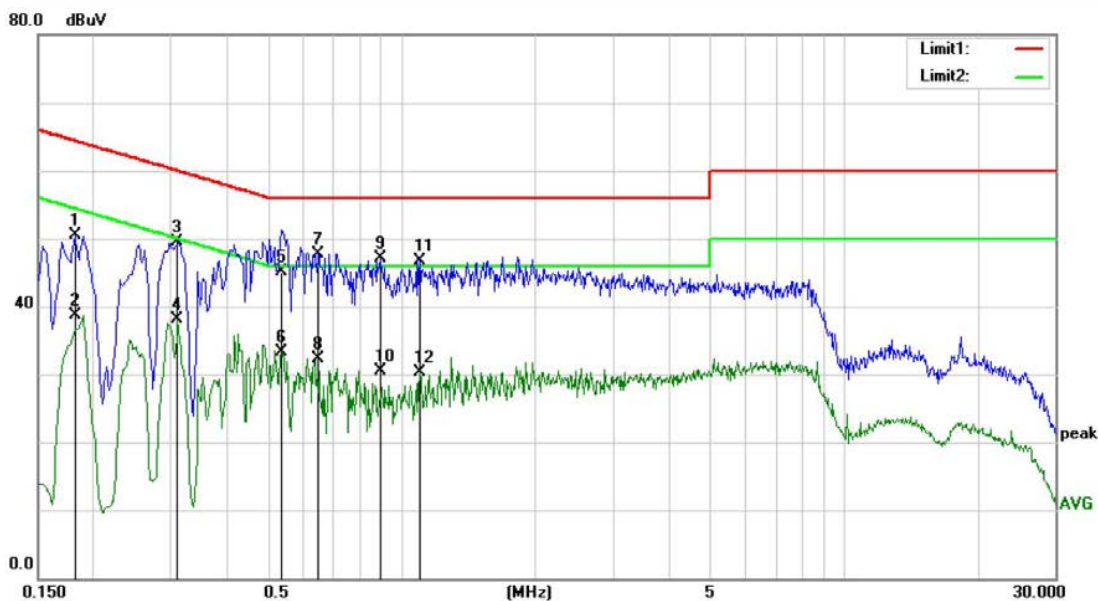
The EUT was placed on a table which is 0.8m above ground plane.

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



Site Conduction #1

Phase: **N**

Temperature: 20.8

Limit: (CE)FCC PART 15 class B_QP

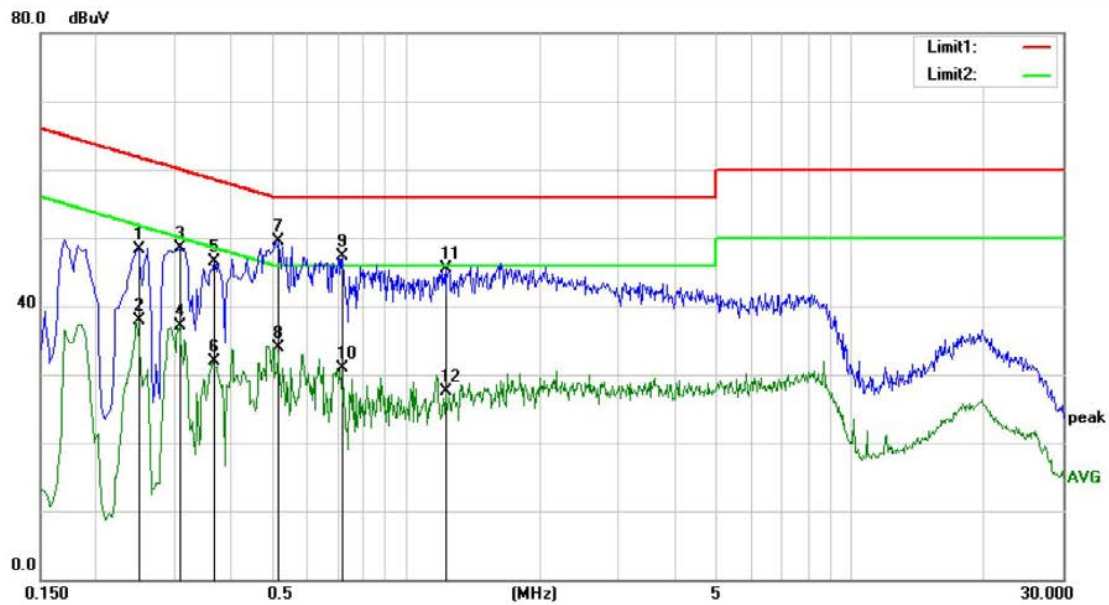
Power: AC 120V/60Hz

Humidity: 61 %

Mode: WIFI 5G

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1820	40.66	9.89	50.55	64.39	-13.84	QP	
2		0.1820	28.91	9.89	38.80	54.39	-15.59	AVG	
3		0.3100	39.48	10.01	49.49	59.97	-10.48	QP	
4		0.3100	28.00	10.01	38.01	49.97	-11.96	AVG	
5		0.5340	35.43	9.67	45.10	56.00	-10.90	QP	
6		0.5340	23.68	9.67	33.35	46.00	-12.65	AVG	
7	*	0.6460	38.13	9.66	47.79	56.00	-8.21	QP	
8		0.6460	22.60	9.66	32.26	46.00	-13.74	AVG	
9		0.8940	37.42	9.78	47.20	56.00	-8.80	QP	
10		0.8940	20.70	9.78	30.48	46.00	-15.52	AVG	
11		1.0980	36.87	9.84	46.71	56.00	-9.29	QP	
12		1.0980	20.56	9.84	30.40	46.00	-15.60	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 5G

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2500	38.30	10.06	48.36	61.76	-13.40	QP	
2		0.2500	27.86	10.06	37.92	51.76	-13.84	AVG	
3		0.3100	38.57	10.01	48.58	59.97	-11.39	QP	
4		0.3100	27.04	10.01	37.05	49.97	-12.92	AVG	
5		0.3700	36.67	9.88	46.55	58.50	-11.95	QP	
6		0.3700	22.03	9.88	31.91	48.50	-16.59	AVG	
7	*	0.5180	39.76	9.67	49.43	56.00	-6.57	QP	
8		0.5180	24.22	9.67	33.89	46.00	-12.11	AVG	
9		0.7180	37.56	9.66	47.22	56.00	-8.78	QP	
10		0.7180	21.30	9.66	30.96	46.00	-15.04	AVG	
11		1.2340	35.72	9.81	45.53	56.00	-10.47	QP	
12		1.2340	17.73	9.81	27.54	46.00	-18.46	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 document Internal Photos to show the antenna connector.

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