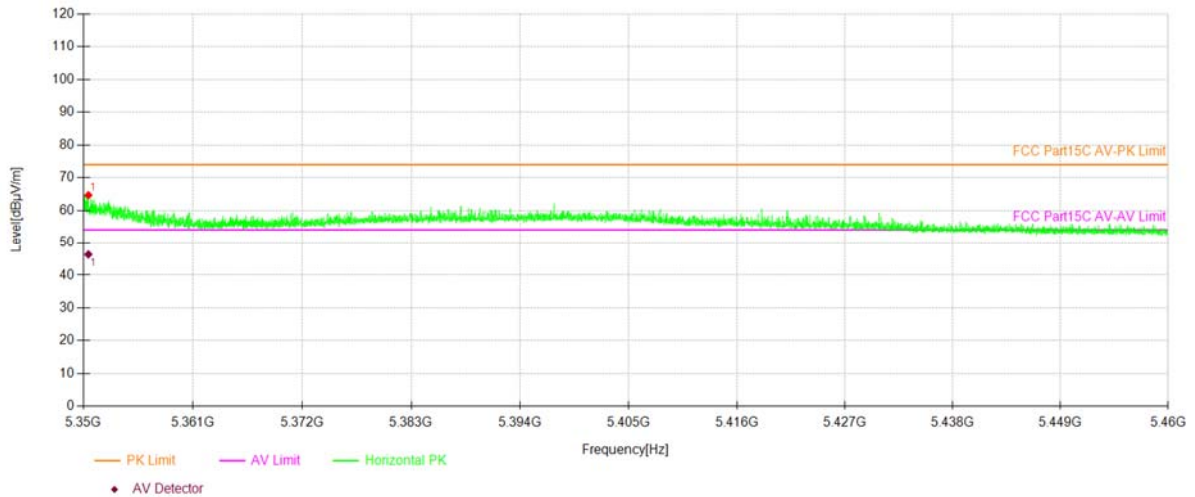
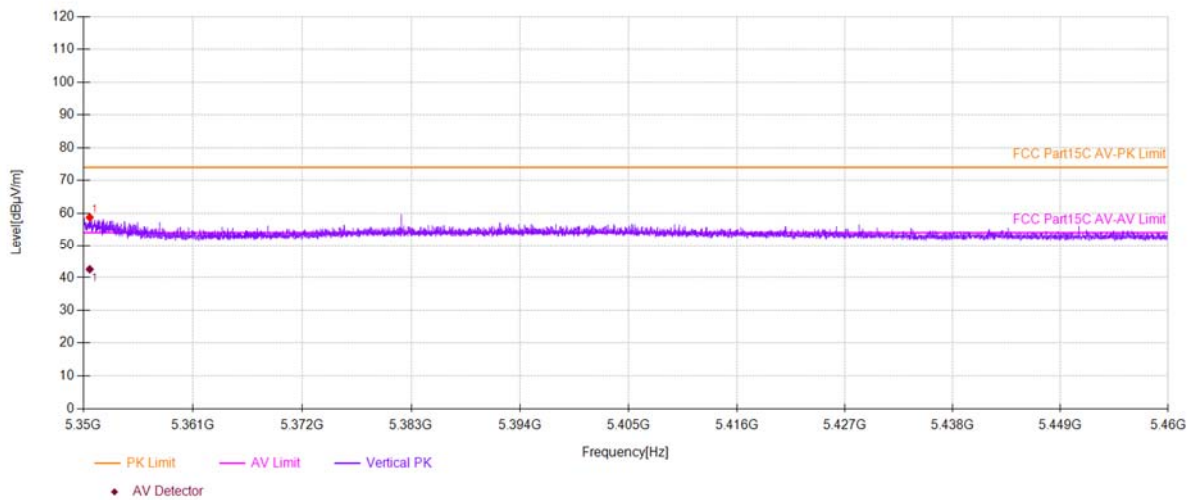


U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 64: 5320MHz	Ant.Pol	H



U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 64: 5320MHz	Ant.Pol	V



■ 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) 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)	Margin(dB)
8771.45	V	56.78	-38.45	-27	11.45
11098.5	V	62.74	-32.49	-27	5.49
17007.9	V	66.86	-28.37	-27	1.37
9233.48	H	58.57	-36.66	-27	9.66
12674.6	H	64.06	-31.17	-27	4.17
17573.9	H	67.38	-27.85	-27	0.85

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8241.42	V	55.94	-39.29	-27	12.29
10733.5	V	63.26	-31.97	-27	4.97
17205.9	V	67.23	-28.00	-27	1.00
8697.45	H	57.02	-38.21	-27	11.21
10938.5	H	62.07	-33.16	-27	6.16
17106.9	H	67.55	-27.68	-27	0.68

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8686.45	V	57.99	-37.24	-27	10.24
10974.5	V	62.20	-33.03	-27	6.03
14300.7	V	65.95	-29.28	-27	2.28
8095.41	H	56.10	-39.13	-27	12.13
11083.5	H	63.59	-31.64	-27	4.64
17053.9	H	67.79	-27.44	-27	0.44

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)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8771.45	V	56.78	41.64	74	54	17.22	12.36
11098.5	V	62.74	44.58	74	54	11.26	9.42
17007.9	V	66.86	46.48	74	54	7.14	7.52
9233.48	H	58.57	42.59	74	54	15.43	11.41
12674.6	H	64.06	45.59	74	54	9.94	8.41
17573.9	H	67.38	46.69	74	54	6.62	7.31

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8241.42	V	55.94	39.84	74	54	18.06	14.16
10733.5	V	63.26	45.05	74	54	10.74	8.95
17205.9	V	67.23	46.43	74	54	6.77	7.57
8697.45	H	57.02	42.90	74	54	16.98	11.10
10938.5	H	62.07	44.31	74	54	11.93	9.69
17106.9	H	67.55	45.93	74	54	6.45	8.07

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8686.45	V	57.99	42.72	74	54	16.01	11.28
10974.5	V	62.20	44.51	74	54	11.80	9.49
14300.7	V	65.95	46.77	74	54	8.05	7.23
8095.41	H	56.10	41.13	74	54	17.90	12.87
11083.5	H	63.59	44.44	74	54	10.41	9.56
17053.9	H	67.79	46.86	74	54	6.21	7.14

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) has been tested and the worst(Antenna 1,802.11n(HT20)) result recorded was report as below:

Test mode:		802.11n(HT20)		Frequency:		Channel 100: 5500MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict		
5468.19	H	63.02	-32.21	-27	Pass		
5468.81	V	57.62	-37.61	-27	Pass		

Test mode:		802.11n(HT20)		Frequency:		Channel 140: 5700MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict		
5725.38	H	58.96	-36.27	-27	Pass		
5727.00	V	57.82	-37.41	-27	Pass		

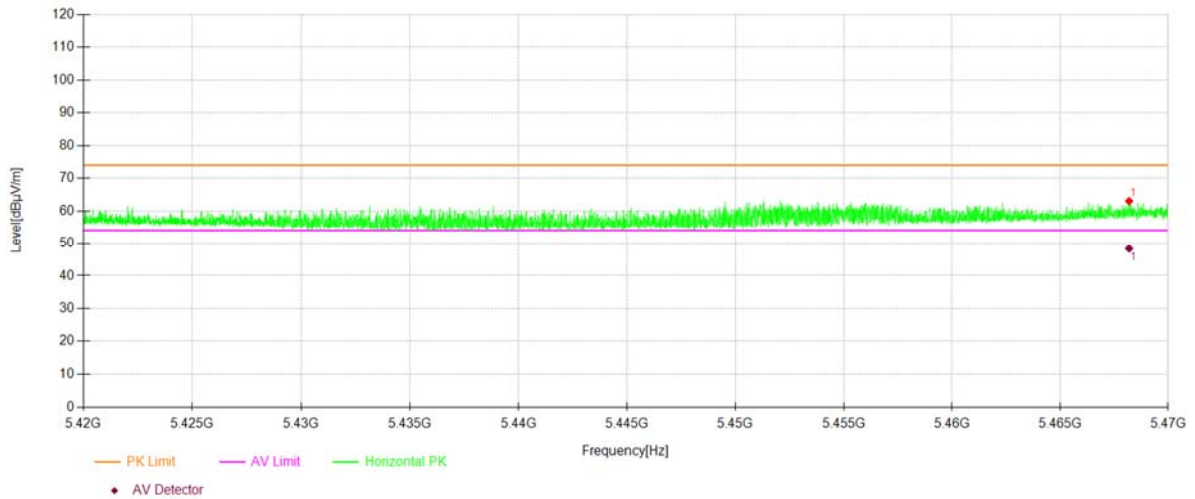
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value(VBW=10Hz).
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
 (3)EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77
 d is the measurement distance in 3 meters

Test mode:		802.11n(HT20)		Frequency:		Channel 100: 5500MHz	
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)		
5468.19	H	63.02	74.00	48.31	54.00		
5468.81	V	57.62	74.00	44.11	54.00		

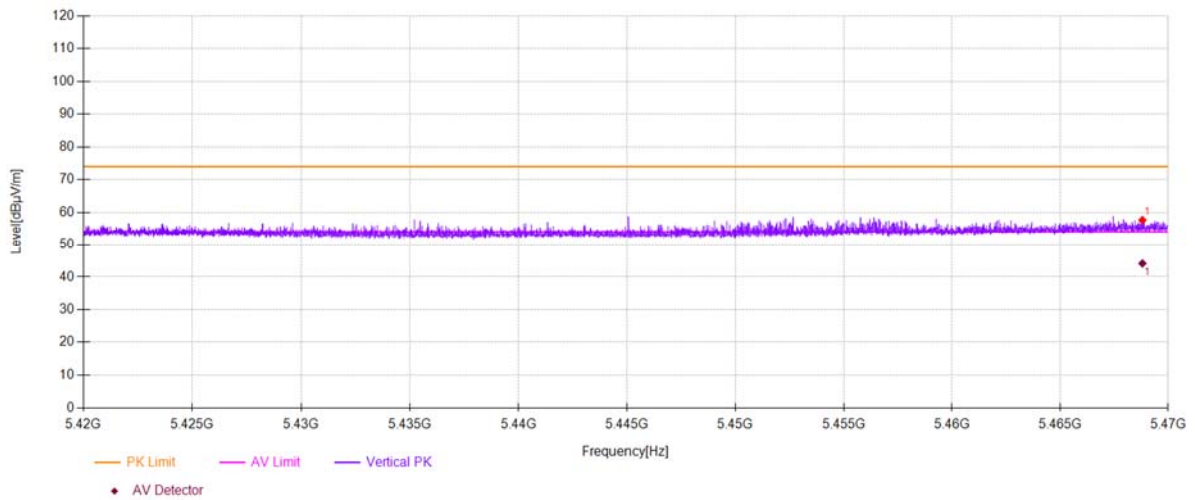
Test mode:		802.11n(HT20)		Frequency:		Channel 140: 5700MHz	
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)		
5725.38	H	58.96	74.00	46.28	54.00		
5727.00	V	57.82	74.00	46.00	54.00		

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.

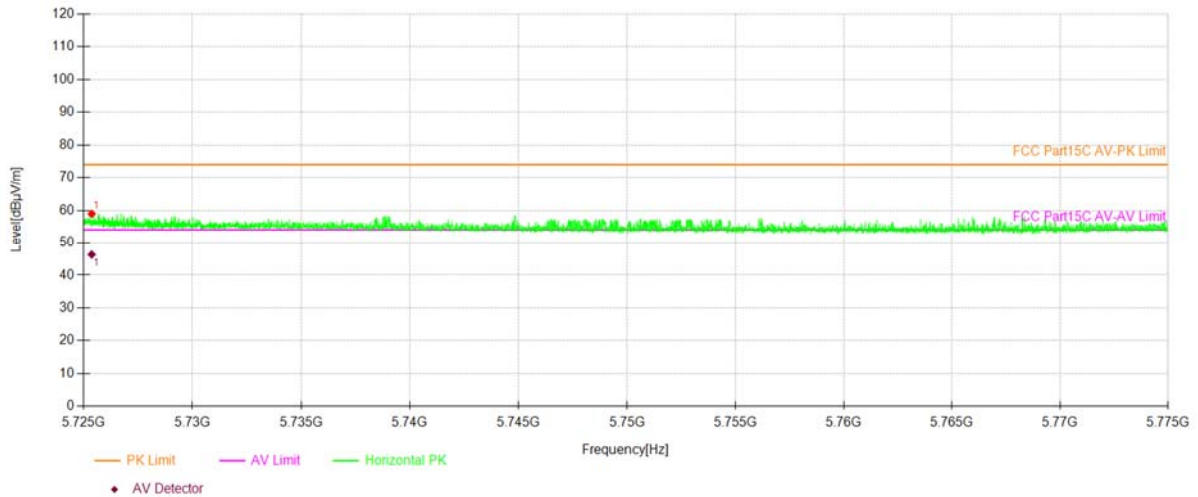
Test Model U-NII -2C
Undesirable radiated Undesirable radiatedSpurious Emission in Band Edge
802.11n(HT20) Channel 100: 5500MHz Ant.Pol H



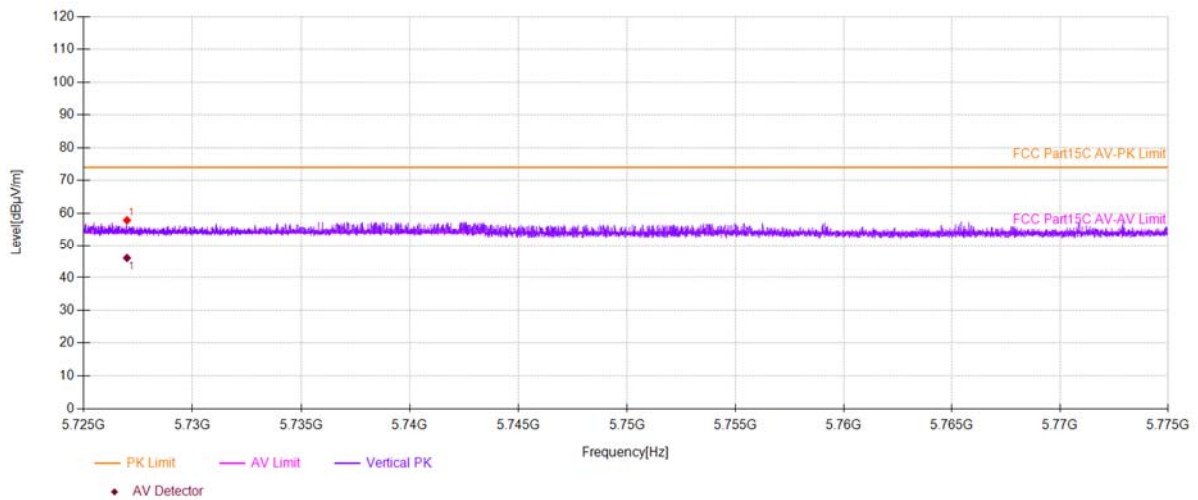
Test Model U-NII -2C
Undesirable radiated Undesirable radiatedSpurious Emission in Band Edge
802.11n(HT20) Channel 100: 5500MHz Ant.Pol V



Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 140: 5700MHz	Ant.Pol	H



Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	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) 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)	Margin(dB)
8676.45	V	58.06	-37.17	-27	10.17
10683.5	V	62.55	-32.68	-27	5.68
14187.7	V	63.89	-31.34	-27	4.34
8044.41	H	58.88	-36.35	-27	9.35
11096.5	H	64.12	-31.11	-27	4.11
14179.7	H	63.60	-31.63	-27	4.63

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
10044.5	V	62.17	-33.06	-27	6.06
12620.6	V	64.53	-30.70	-27	3.70
14222.7	V	63.88	-31.35	-27	4.35
9332.49	H	59.37	-35.86	-27	8.86
11176.5	H	63.17	-32.06	-27	5.06
14231.7	H	63.63	-31.60	-27	4.60

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
9757.51	V	59.81	-35.42	-27	8.42
11094.5	V	62.88	-32.35	-27	5.35
14184.7	V	63.66	-31.57	-27	4.57
8622.44	H	58.02	-37.21	-27	10.21
10733.5	H	62.49	-32.74	-27	5.74
14269.7	H	64.45	-30.78	-27	3.78

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)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8676.45	V	58.06	42.13	74	54	15.94	11.87
10683.5	V	62.55	44.69	74	54	11.45	9.31
14187.7	V	63.89	45.11	74	54	10.11	8.89
8044.41	H	58.88	40.28	74	54	15.12	13.72
11096.5	H	64.12	44.54	74	54	9.88	9.46
14179.7	H	63.60	45.24	74	54	10.40	8.76

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
10044.5	V	62.17	45.91	74	54	11.83	8.09
12620.6	V	64.53	49.26	74	54	9.47	4.74
14222.7	V	63.88	46.64	74	54	10.12	7.36
9332.49	H	59.37	43.75	74	54	14.63	10.25
11176.5	H	63.17	43.43	74	54	10.83	10.57
14231.7	H	63.63	46.19	74	54	10.37	7.81

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
9757.51	V	59.81	43.45	74	54	14.19	10.55
11094.5	V	62.88	44.53	74	54	11.12	9.47
14184.7	V	63.66	45.59	74	54	10.34	8.41
8622.44	H	58.02	41.49	74	54	15.98	12.51
10733.5	H	62.49	45.15	74	54	11.51	8.85
14269.7	H	64.45	47.30	74	54	9.55	6.70

- 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) has been tested and the worst(Antenna 1,802.11n(HT20)) result recorded was report as below:

Test mode: 802.11n(HT20) Frequency: Channel 149: 5745MHz

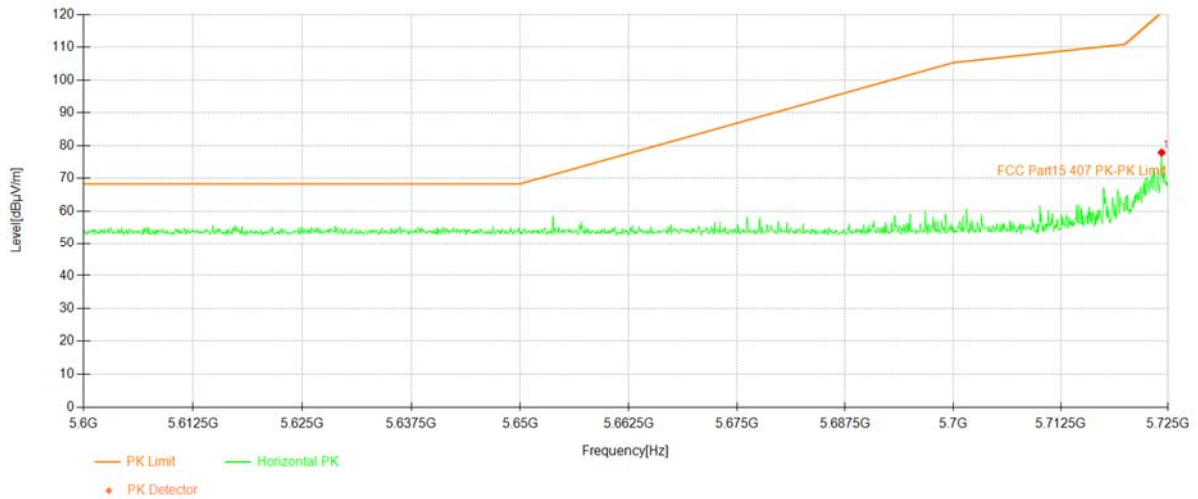
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5724.24	H	77.85	-17.38	25.36	Pass
5724.18	V	75.61	-19.62	25.22	Pass

Test mode: 802.11n(HT20) Frequency: Channel 165: 5825MHz

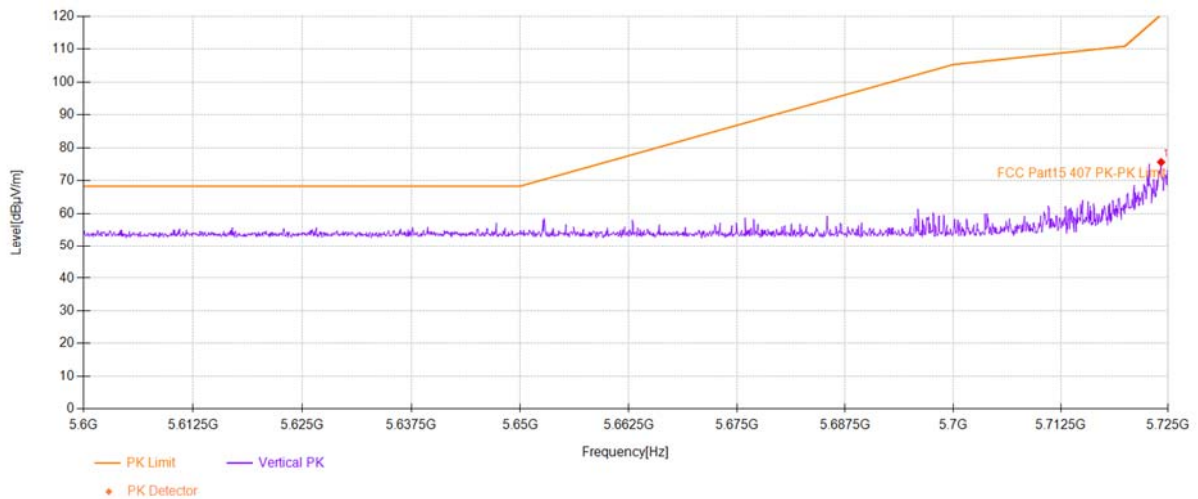
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5850.75	H	66.96	-28.27	25.36	Pass
5850.56	V	68.94	-26.29	25.79	Pass

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

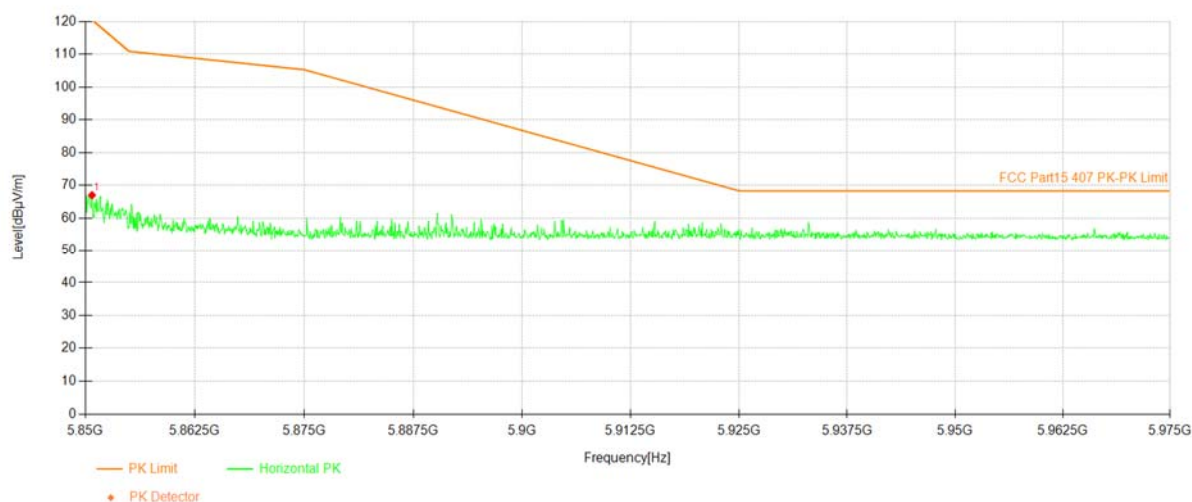
Test Model U-NII-3
Undesirable radiated 802.11n(HT20) Undesirable radiated Spurious Emission in Band Edge
Channel 149: 5745MHz Ant.Pol H



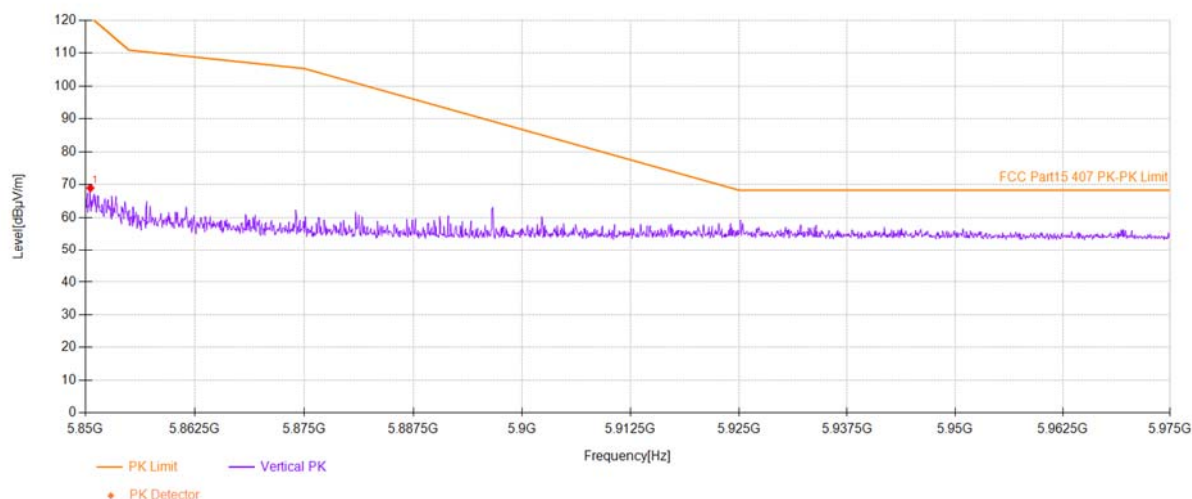
Test Model U-NII-3
Undesirable radiated 802.11n(HT20) Undesirable radiated Spurious Emission in Band Edge
Channel 149: 5745MHz Ant.Pol V



U-NII-3				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 165: 5825MHz	Ant.Pol	H

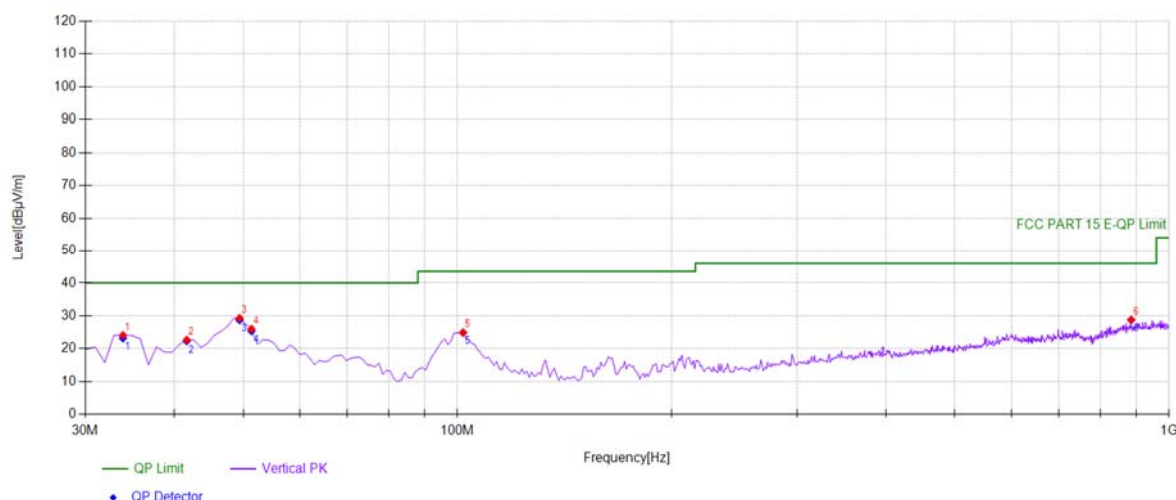


U-NII-3				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 165: 5825MHz	Ant.Pol	V



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

Mode:	11A 5180
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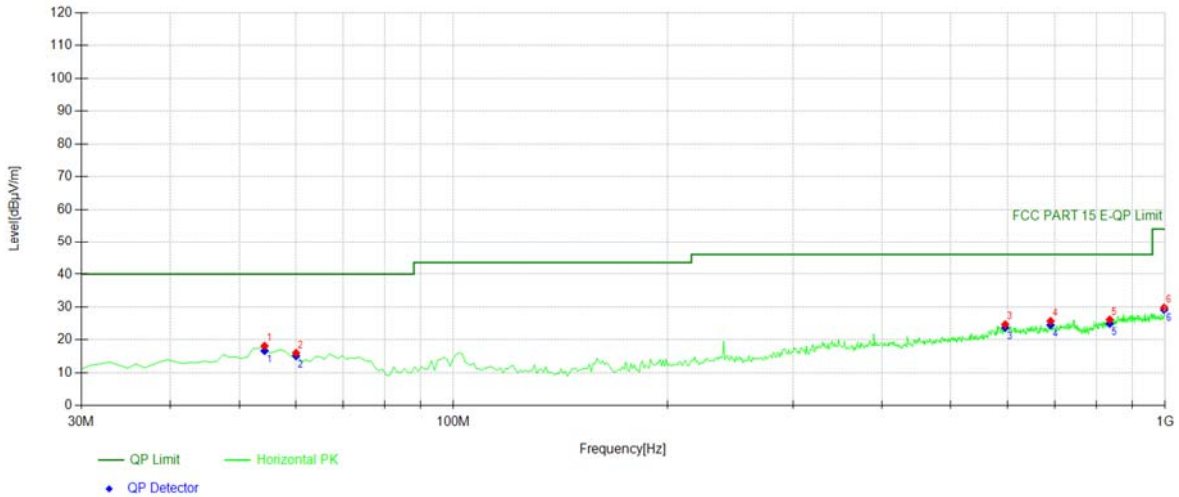
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	33.8839	42.38	-18.28	24.10	PK	40.00	15.90	Vertical
2	41.6517	39.89	-17.22	22.67	PK	40.00	17.33	Vertical
3	49.4194	45.39	-16.10	29.29	PK	40.00	10.71	Vertical
4	51.3614	42.20	-16.21	25.99	PK	40.00	14.01	Vertical
5	101.851	42.26	-17.33	24.93	PK	43.50	18.57	Vertical
6	884.454	32.04	-3.26	28.78	PK	46.00	17.22	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	33.8839	-18.28	23.21	40.00	16.79
2	41.6517	-17.22	22.32	40.00	17.68
3	49.4194	-16.10	28.70	40.00	11.30
4	51.3614	-16.21	25.40	40.00	14.60
5	101.8519	-17.33	24.88	43.50	18.62
6	884.4545	-3.26	28.73	46.00	17.27

Mode:	11A 5180
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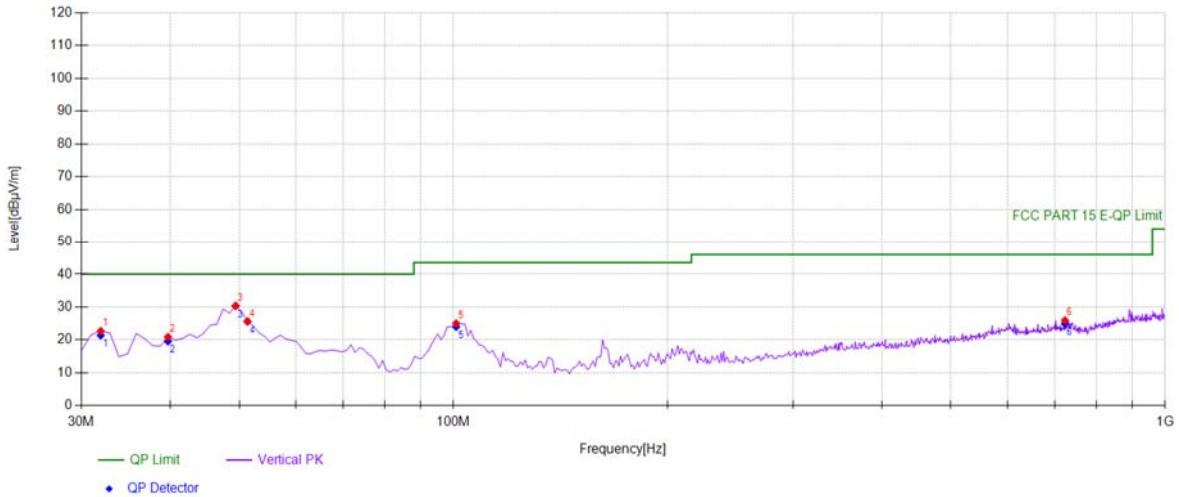
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	54.2743	34.78	-16.60	18.18	PK	40.00	21.82	Horizontal
2	60.1001	33.46	-17.41	16.05	PK	40.00	23.95	Horizontal
3	596.076	31.05	-6.34	24.71	PK	46.00	21.29	Horizontal
4	690.260	32.05	-6.32	25.73	PK	46.00	20.27	Horizontal
5	835.905	30.61	-4.45	26.16	PK	46.00	19.84	Horizontal
6	997.087	31.92	-2.09	29.83	PK	54.00	24.17	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	54.2743	-16.60	16.69	40.00	23.31
2	60.1001	-17.41	15.10	40.00	24.90
3	596.0761	-6.34	23.76	46.00	22.24
4	690.2603	-6.32	24.53	46.00	21.47
5	835.9059	-4.45	24.96	46.00	21.04
6	997.0871	-2.09	29.17	54.00	24.83

Mode:	11A 5200
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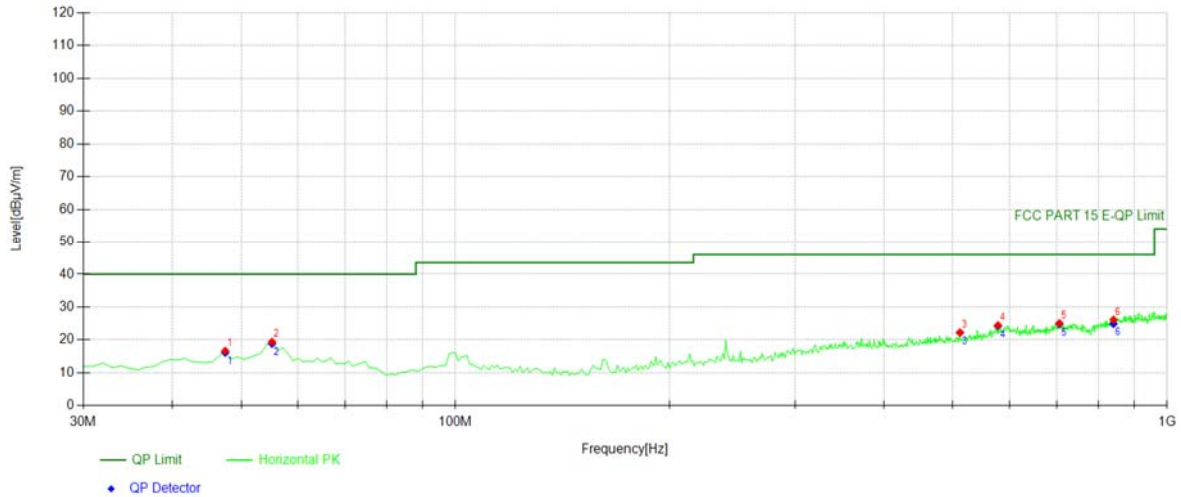
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	31.9419	41.26	-18.54	22.72	PK	40.00	17.28	Vertical
2	39.7097	38.41	-17.50	20.91	PK	40.00	19.09	Vertical
3	49.4194	46.49	-16.10	30.39	PK	40.00	9.61	Vertical
4	51.3614	41.87	-16.21	25.66	PK	40.00	14.34	Vertical
5	100.880	42.29	-17.26	25.03	PK	43.50	18.47	Vertical
6	723.273	31.60	-5.64	25.96	PK	46.00	20.04	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	31.9419	-18.54	21.40	40.00	18.60
2	39.7097	-17.50	19.59	40.00	20.41
3	49.4194	-16.10	30.32	40.00	9.68
4	51.3614	-16.21	25.59	40.00	14.41
5	100.8809	-17.26	24.00	43.50	19.50
6	723.2733	-5.64	24.93	46.00	21.07

Mode:	11A 5200
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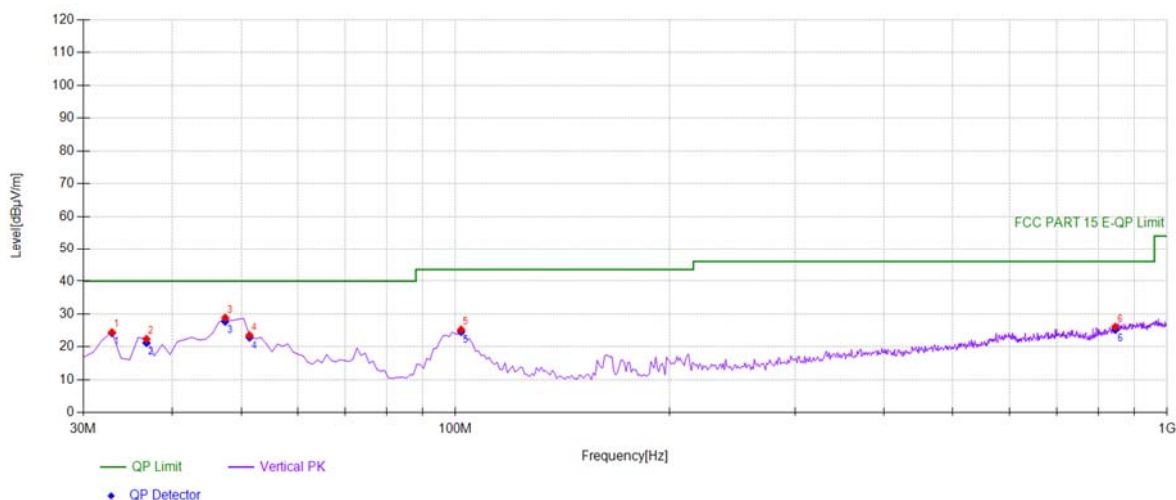
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	47.4775	33.08	-16.39	16.69	PK	40.00	23.31	Horizontal
2	55.2452	36.15	-16.74	19.41	PK	40.00	20.59	Horizontal
3	511.601	31.98	-9.73	22.25	PK	46.00	23.75	Horizontal
4	578.598	31.68	-7.23	24.45	PK	46.00	21.55	Horizontal
5	705.795	30.91	-5.82	25.09	PK	46.00	20.91	Horizontal
6	840.760	30.47	-4.33	26.14	PK	46.00	19.86	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	47.4775	-16.39	16.15	40.00	23.85
2	55.2452	-16.74	18.87	40.00	21.13
3	511.6016	-9.73	22.25	46.00	23.75
4	578.5986	-7.23	24.21	46.00	21.79
5	705.7958	-5.82	24.85	46.00	21.15
6	840.7608	-4.33	24.93	46.00	21.07

Mode:	11A 5240
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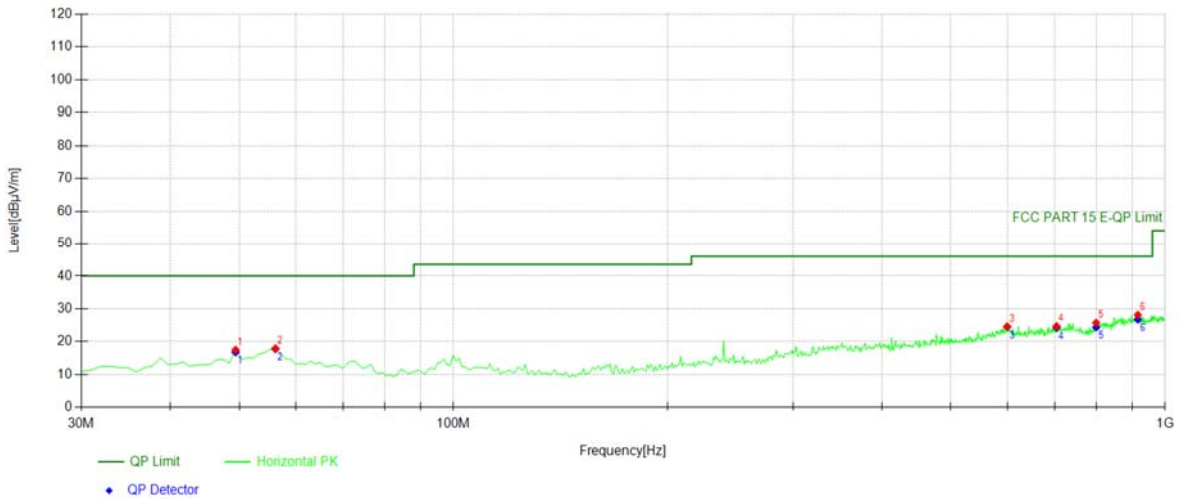
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	32.9129	42.85	-18.41	24.44	PK	40.00	15.56	Vertical
2	36.7968	40.30	-17.89	22.41	PK	40.00	17.59	Vertical
3	47.4775	45.25	-16.39	28.86	PK	40.00	11.14	Vertical
4	51.3614	39.73	-16.21	23.52	PK	40.00	16.48	Vertical
5	101.851	42.57	-17.33	25.24	PK	43.50	18.26	Vertical
6	845.615	30.18	-4.08	26.10	PK	46.00	19.90	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	32.9129	-18.41	24.23	40.00	15.77
2	36.7968	-17.89	21.24	40.00	18.76
3	47.4775	-16.39	27.69	40.00	12.31
4	51.3614	-16.21	22.89	40.00	17.11
5	101.8519	-17.33	24.61	43.50	18.89
6	845.6156	-4.08	25.23	46.00	20.77

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	49.4194	33.60	-16.10	17.50	PK	40.00	22.50	Horizontal
2	56.2162	34.81	-16.87	17.94	PK	40.00	22.06	Horizontal
3	599.96	30.74	-6.10	24.64	PK	46.00	21.36	Horizontal
4	703.853	30.55	-5.84	24.71	PK	46.00	21.29	Horizontal
5	799.98	30.85	-5.11	25.74	PK	46.00	20.26	Horizontal
6	915.525	30.78	-2.64	28.14	PK	46.00	17.86	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	49.4194	-16.10	16.80	40.00	23.20
2	56.2162	-16.87	17.78	40.00	22.22
3	599.96	-6.10	24.48	46.00	21.52
4	703.8539	-5.84	24.31	46.00	21.69
5	799.98	-5.11	24.37	46.00	21.63
6	915.5255	-2.64	26.77	46.00	19.23

■ FPC Antenna 1:

For Undesirable radiated Spurious Emission in U-NII - 1

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

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

Test mode: 802.11a Frequency: Channel 36: 5180MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8180.42	V	56.97	-38.26	-27	11.26
10964.5	V	62.98	-32.25	-27	5.25
17647.9	V	67.77	-27.46	-27	0.46
8102.41	H	56.23	-39.00	-27	12.00
11018.5	H	62.72	-32.51	-27	5.51
17973.9	H	67.37	-27.86	-27	0.86

Test mode: 802.11a Frequency: Channel 40: 5200MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8191.42	V	55.50	-39.73	-27	12.73
10969.5	V	62.60	-32.63	-27	5.63
17517.9	V	67.27	-27.96	-27	0.96
8155.42	H	56.97	-38.26	-27	11.26
11104.5	H	62.35	-32.88	-27	5.88
17228.9	H	67.53	-27.70	-27	0.70

Test mode: 802.11a Frequency: Channel 48: 5240MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8084.41	V	56.52	-38.71	-27	11.71
10979.5	V	63.33	-31.90	-27	4.90
17096.9	V	67.06	-28.17	-27	1.17
8762.45	H	58.09	-37.14	-27	10.14
11108.5	H	62.47	-32.76	-27	5.76
17498.9	H	67.21	-28.02	-27	1.02

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 36: 5180MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8180.42	V	56.97	40.66	74	54	17.03	13.34
10964.5	V	62.98	44.33	74	54	11.02	9.67
17647.9	V	67.77	46.49	74	54	6.23	7.51
8102.41	H	56.23	40.81	74	54	17.77	13.19
11018.5	H	62.72	44.56	74	54	11.28	9.44
17973.9	H	67.37	48.19	74	54	6.63	5.81

Test mode: 802.11a Frequency: Channel 40: 5200MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8191.42	V	55.50	39.97	74	54	18.50	14.03
10969.5	V	62.60	44.48	74	54	11.40	9.52
17517.9	V	67.27	45.48	74	54	6.73	8.52
8155.42	H	56.97	40.85	74	54	17.03	13.15
11104.5	H	62.35	44.07	74	54	11.65	9.93
17228.9	H	67.53	45.76	74	54	6.47	8.24

Test mode: 802.11a Frequency: Channel 48: 5240MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8084.41	V	56.52	40.25	74	54	17.48	13.75
10979.5	V	63.33	44.53	74	54	10.67	9.47
17096.9	V	67.06	45.89	74	54	6.94	8.11
8762.45	H	58.09	42.30	74	54	15.91	11.70
11108.5	H	62.47	44.43	74	54	11.53	9.57
17498.9	H	67.21	45.23	74	54	6.79	8.77

- 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) has been tested and the worst(Antenna 1,802.11n(HT20)) result recorded was report as below:

Test mode: 802.11n(HT20)		Frequency: Channel 36: 5180MHz			
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5148.21	H	62.83	-32.40	-27	Pass
5147.64	V	56.73	-38.50	-27	Pass

Test mode: 802.11n(HT20)		Frequency: Channel 48: 5240MHz			
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5352.54	H	54.06	-41.17	-27	Pass
5351.18	V	53.64	-41.59	-27	Pass

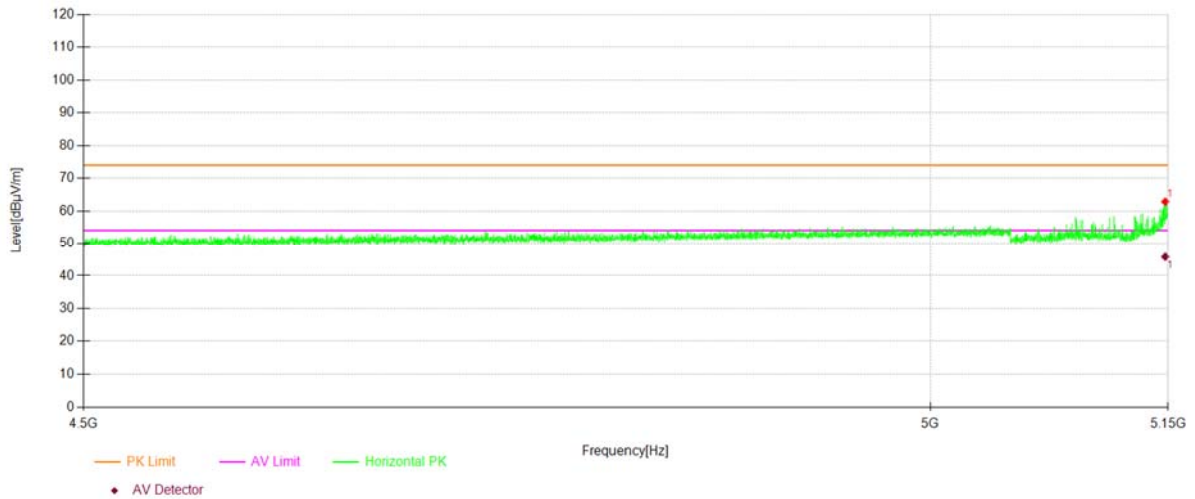
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value(VBW=10Hz).
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
 (3)EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
 d is the measurement distance in 3 meters

Test mode: 802.11n(HT20)		Frequency: Channel 36: 5180MHz			
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5148.21	H	62.83	74.00	45.79	54.00
5147.64	V	56.73	74.00	42.72	54.00

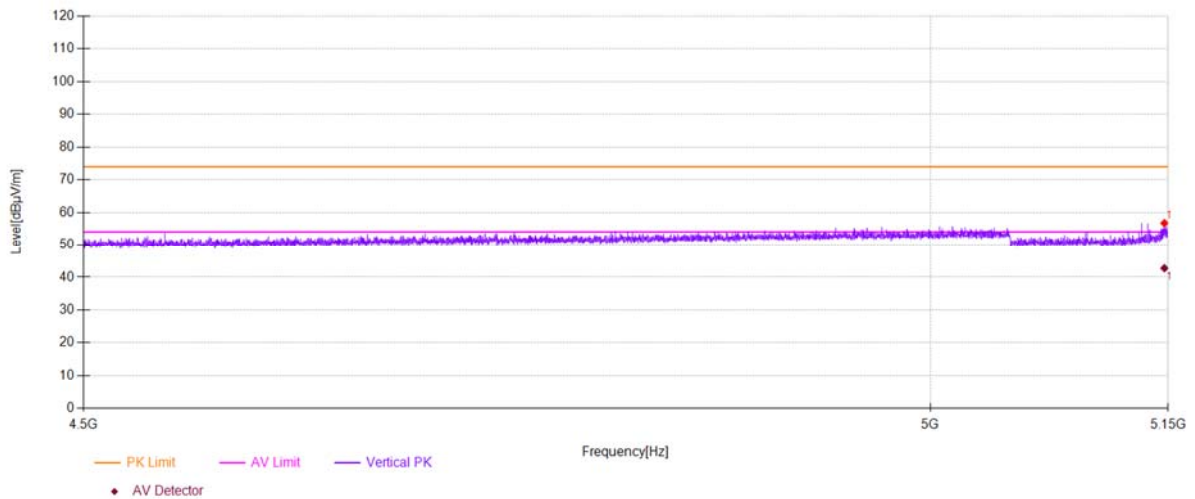
Test mode: 802.11n(HT20)		Frequency: Channel 48: 5240MHz			
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5352.54	H	54.06	74.00	45.55	54.00
5351.18	V	53.64	74.00	45.06	54.00

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.

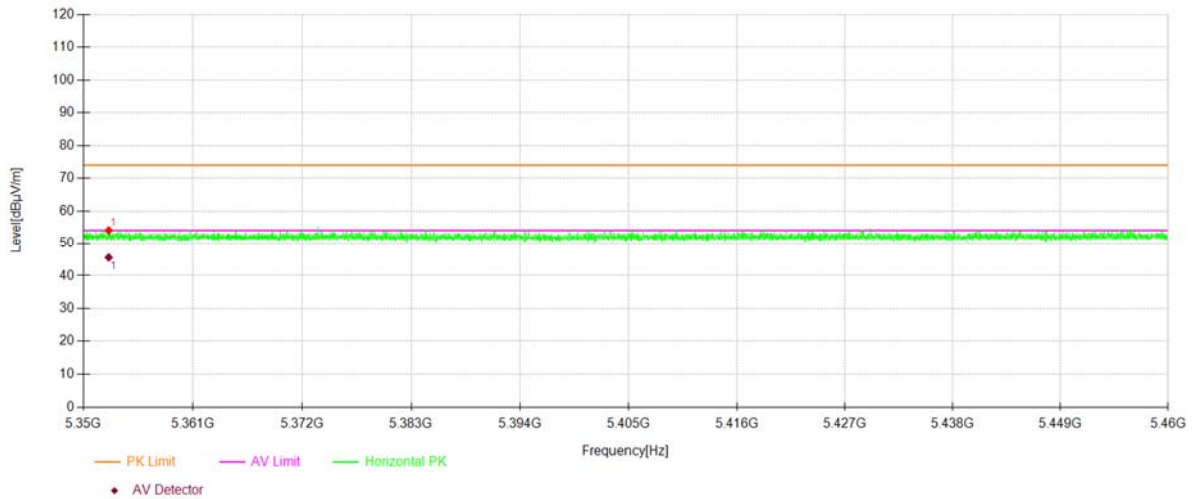
U-NII - 1				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 36: 5180MHz	Ant.Pol	H



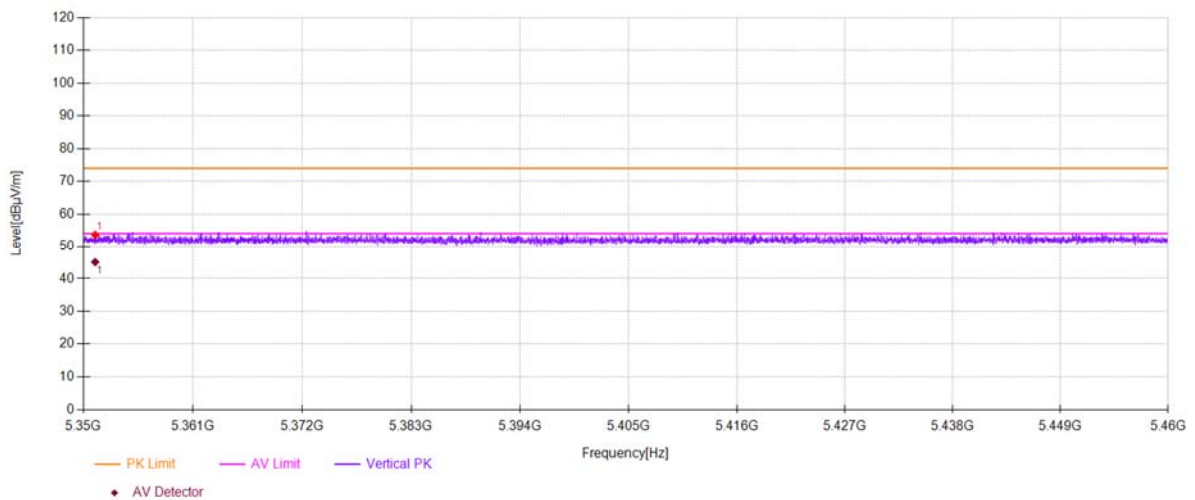
U-NII - 1				
Test Model	Undesirable radiated	Undesirable radiated	Emission in Band Edge	
	802.11n(HT20)	Channel 36: 5180MHz	Ant.Pol	V



U-NII - 1				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 48: 5240MHz	Ant.Pol	H



U-NII - 1				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 48: 5240MHz	Ant.Pol	V



■ For Undesirable Radiated Spurious Emission in U-NII -2A

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

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

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8655.45	V	57.52	-37.71	-27	10.71
11069.5	V	62.36	-32.87	-27	5.87
17687.9	V	66.38	-28.85	-27	1.85
8121.41	H	56.43	-38.80	-27	11.80
11016.5	H	62.17	-33.06	-27	6.06
17733.9	H	66.67	-28.56	-27	1.56

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8125.41	V	56.64	-38.59	-27	11.59
10971.5	V	62.99	-32.24	-27	5.24
17737.9	V	66.87	-28.36	-27	1.36
8097.41	H	56.44	-38.79	-27	11.79
12672.6	H	64.64	-30.59	-27	3.59
17715.9	H	67.31	-27.92	-27	0.92

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8101.41	V	57.37	-37.86	-27	10.86
11061.5	V	61.83	-33.40	-27	6.40
17002.9	V	67.30	-27.93	-27	0.93
8157.42	H	56.30	-38.93	-27	11.93
10922.5	H	62.24	-32.99	-27	5.99
17032.9	H	67.44	-27.79	-27	0.79

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 52: 5260MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8655.45	V	57.52	42.20	74	54	16.48	11.80
11069.5	V	62.36	44.60	74	54	11.64	9.40
17687.9	V	66.38	46.26	74	54	7.62	7.74
8121.41	H	56.43	40.84	74	54	17.57	13.16
11016.5	H	62.17	44.47	74	54	11.83	9.53
17733.9	H	66.67	46.64	74	54	7.33	7.36

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8125.41	V	56.64	41.00	74	54	17.36	13.00
10971.5	V	62.99	44.34	74	54	11.01	9.66
17737.9	V	66.87	47.02	74	54	7.13	6.98
8097.41	H	56.44	40.78	74	54	17.56	13.22
12672.6	H	64.64	48.59	74	54	9.36	5.41
17715.9	H	67.31	46.86	74	54	6.69	7.14

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8101.41	V	57.37	41.04	74	54	16.63	12.96
11061.5	V	61.83	44.53	74	54	12.17	9.47
17002.9	V	67.30	47.03	74	54	6.70	6.97
8157.42	H	56.30	40.27	74	54	17.70	13.73
10922.5	H	62.24	44.38	74	54	11.76	9.62
17032.9	H	67.44	47.10	74	54	6.56	6.90

- 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) has been tested and the worst(Antenna 1,802.11n(HT20)) result recorded was report as below:

Test mode:		802.11n(HT20)		Frequency:	Channel 52: 5260MHz
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5149.26	H	53.20	-42.03	-27	Pass
5146.42	V	53.82	-41.41	-27	Pass

Test mode:		802.11n(HT20)		Frequency:	Channel 64: 5320MHz
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5350.26	H	64.35	-30.88	-27	Pass
5350.83	V	58.54	-36.69	-27	Pass

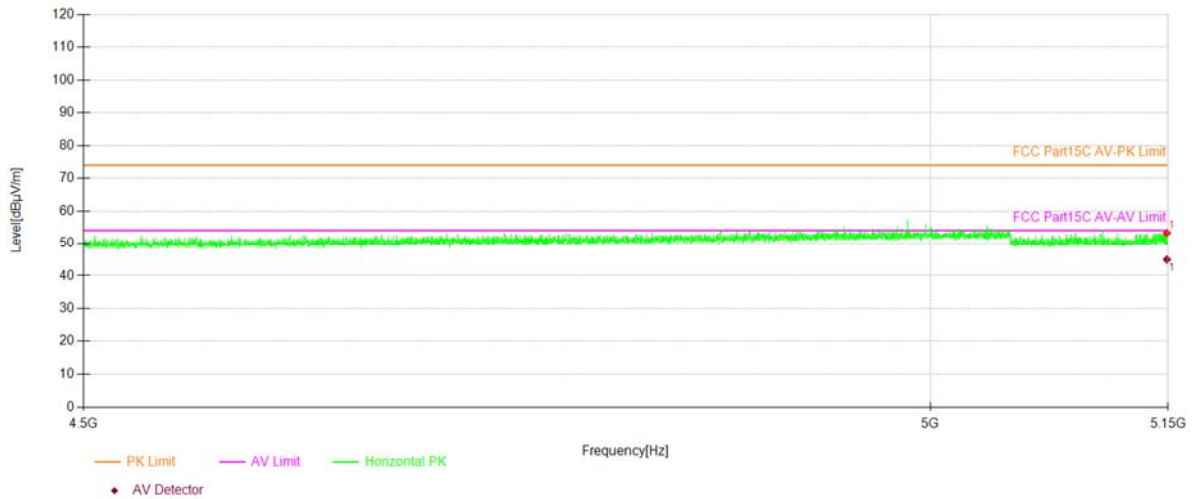
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value(VBW=10Hz).
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
 (3)EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77
 d is the measurement distance in 3 meters

Test mode:		802.11n(HT20)		Frequency:	Channel 52: 5260MHz
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5149.26	H	53.20	74.00	44.91	54.00
5146.42	V	53.82	74.00	44.86	54.00

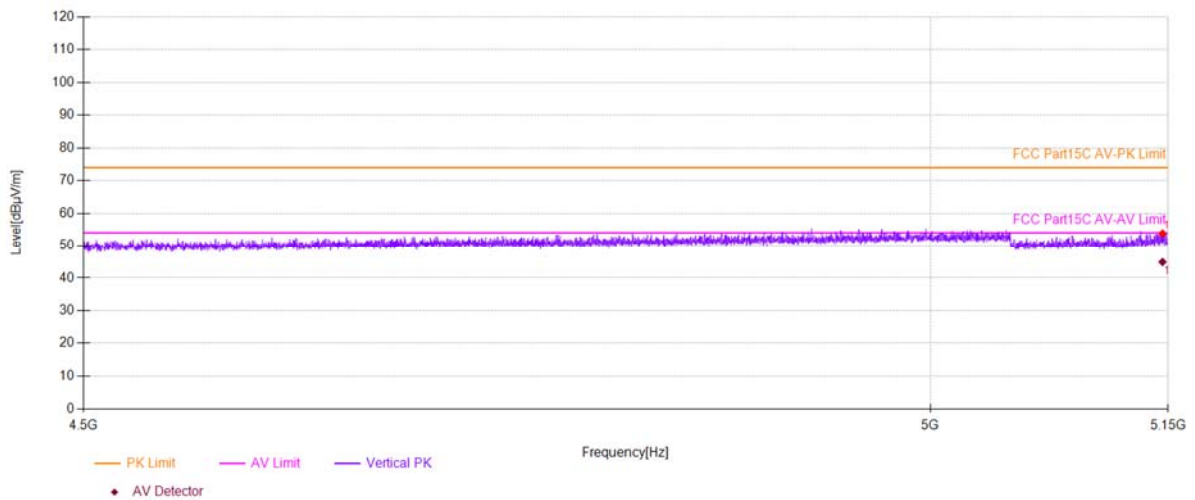
Test mode:		802.11n(HT20)		Frequency:	Channel 64: 5320MHz
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5350.26	H	64.35	74.00	45.98	54.00
5350.83	V	58.54	74.00	42.77	54.00

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.

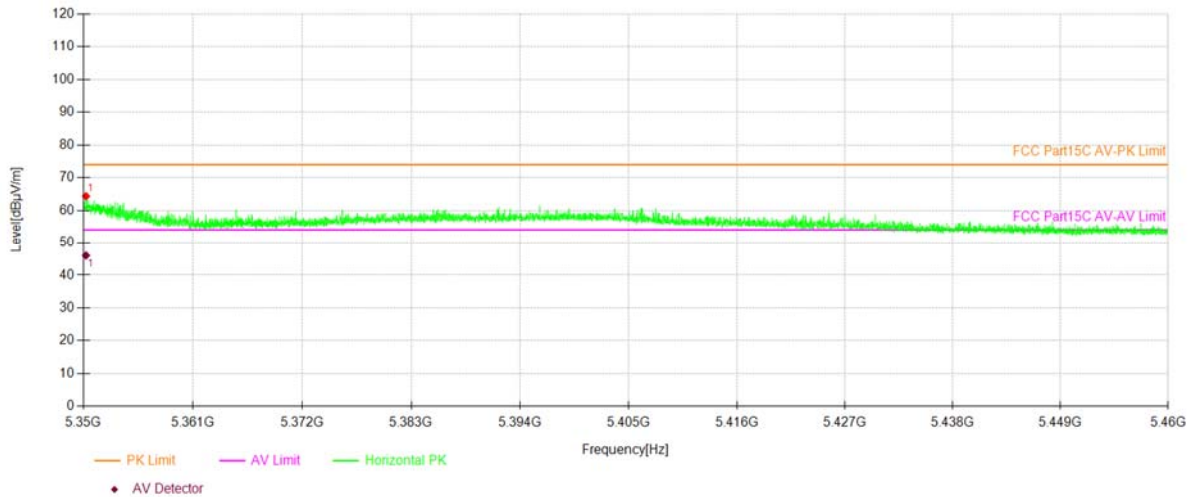
U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 52: 5260MHz	Ant.Pol	H



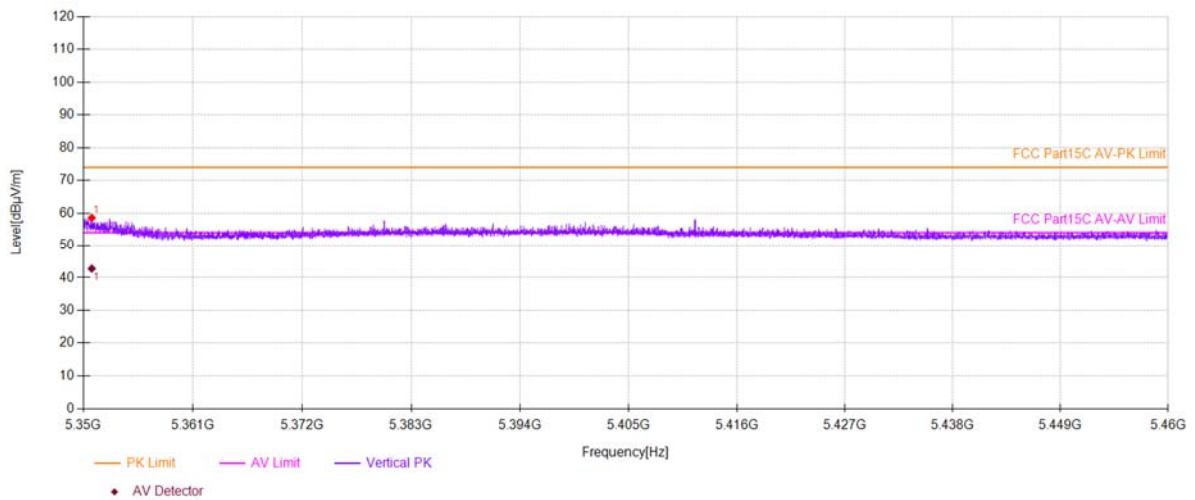
U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 52: 5260MHz	Ant.Pol	V



U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 64: 5320MHz	Ant.Pol	H



U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 64: 5320MHz	Ant.Pol	V



■ 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) 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)	Margin(dB)
8048.41	V	56.83	-38.40	-27	11.40
11089.5	V	62.77	-32.46	-27	5.46
17681.9	V	67.53	-27.70	-27	0.70
8095.41	H	56.37	-38.86	-27	11.86
11024.5	H	62.31	-32.92	-27	5.92
17201.9	H	67.26	-27.97	-27	0.97

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8057.41	V	55.73	-39.50	-27	12.50
10978.5	V	62.21	-33.02	-27	6.02
17229.9	V	66.94	-28.29	-27	1.29
8126.41	H	56.75	-38.48	-27	11.48
11035.5	H	62.17	-33.06	-27	6.06
17900.9	H	67.46	-27.77	-27	0.77

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8069.41	V	56.65	-38.58	-27	11.58
10138.5	V	60.84	-34.39	-27	7.39
17043.9	V	67.14	-28.09	-27	1.09
8099.41	H	57.29	-37.94	-27	10.94
10967.5	H	62.74	-32.49	-27	5.49
17273.9	H	66.58	-28.65	-27	1.65

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)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8048.41	V	56.83	39.93	74	54	17.17	14.07
11089.5	V	62.77	44.86	74	54	11.23	9.14
17681.9	V	67.53	46.29	74	54	6.47	7.71
8095.41	H	56.37	40.78	74	54	17.63	13.22
11024.5	H	62.31	44.55	74	54	11.69	9.45
17201.9	H	67.26	46.91	74	54	6.74	7.09

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8057.41	V	55.73	40.79	74	54	18.27	13.21
10978.5	V	62.21	44.37	74	54	11.79	9.63
17229.9	V	66.94	45.80	74	54	7.06	8.20
8126.41	H	56.75	40.65	74	54	17.25	13.35
11035.5	H	62.17	44.55	74	54	11.83	9.45
17900.9	H	67.46	46.79	74	54	6.54	7.21

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8069.41	V	56.65	40.69	74	54	17.35	13.31
10138.5	V	60.84	41.59	74	54	13.16	12.41
17043.9	V	67.14	47.07	74	54	6.86	6.93
8099.41	H	57.29	40.38	74	54	16.71	13.62
10967.5	H	62.74	44.31	74	54	11.26	9.69
17273.9	H	66.58	44.95	74	54	7.42	9.05

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) has been tested and the worst(Antenna 1,802.11n(HT20)) result recorded was report as below:

Test mode:		Frequency:		Channel 100: 5500MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5467.10	H	63.12	-32.11	-27	Pass
5468.63	V	58.90	-36.33	-27	Pass

Test mode:		Frequency:		Channel 140: 5700MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5725.15	H	58.55	-36.68	-27	Pass
5725.18	V	57.19	-38.04	-27	Pass

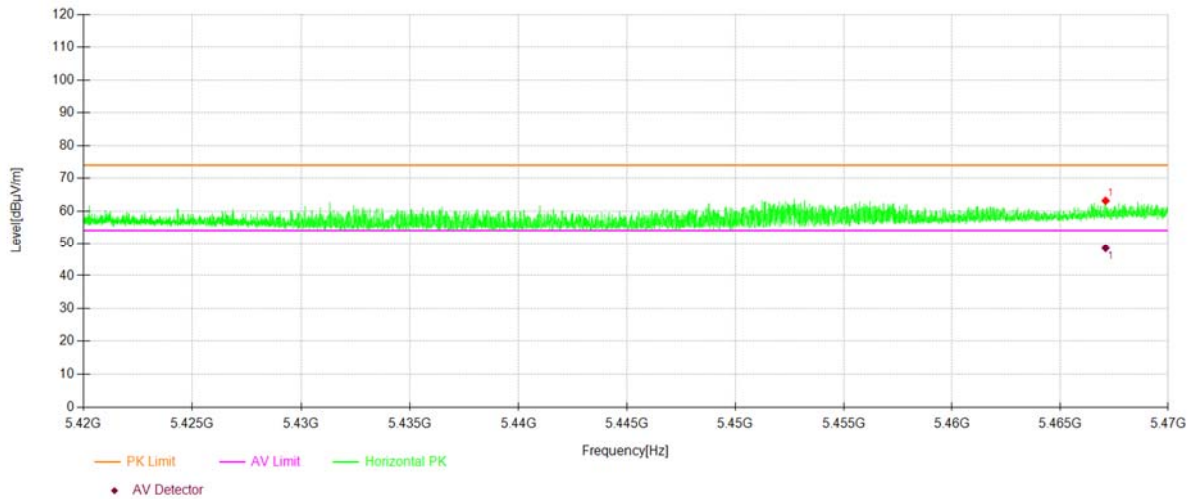
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value(VBW=10Hz).
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3)EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77
d is the measurement distance in 3 meters

Test mode:		Frequency:		Channel 100: 5500MHz	
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5467.10	H	63.12	74.00	48.44	54.00
5468.63	V	58.90	74.00	44.20	54.00

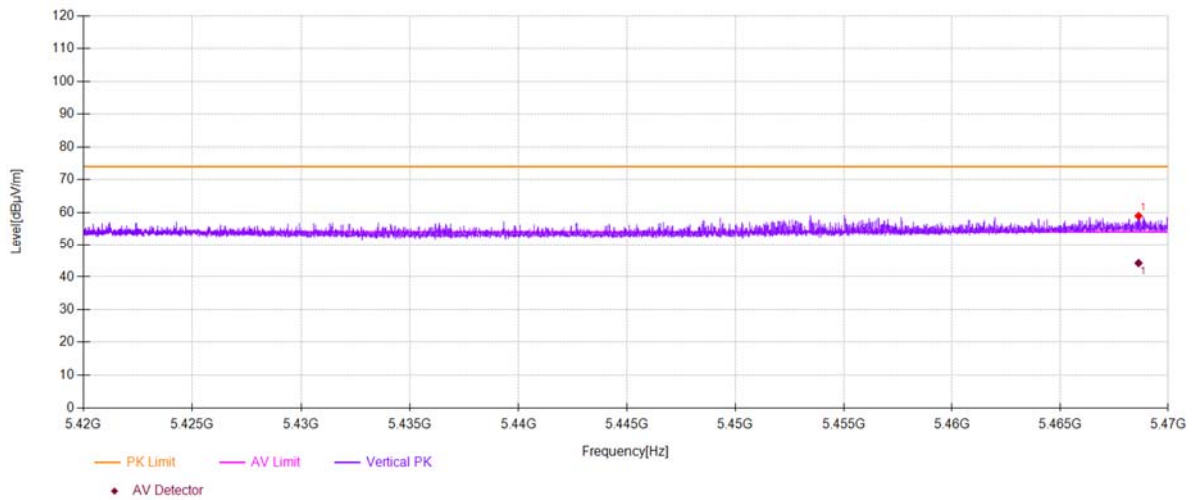
Test mode:		Frequency:		Channel 140: 5700MHz	
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5725.15	H	58.55	74.00	46.30	54.00
5725.18	V	57.19	74.00	46.44	54.00

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.

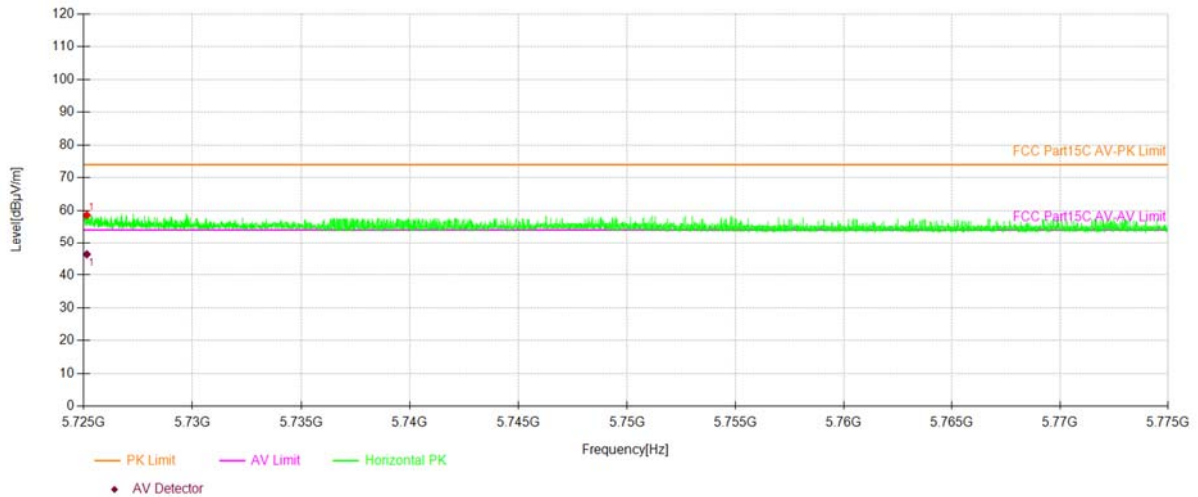
U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 100: 5500MHz	Ant.Pol	H



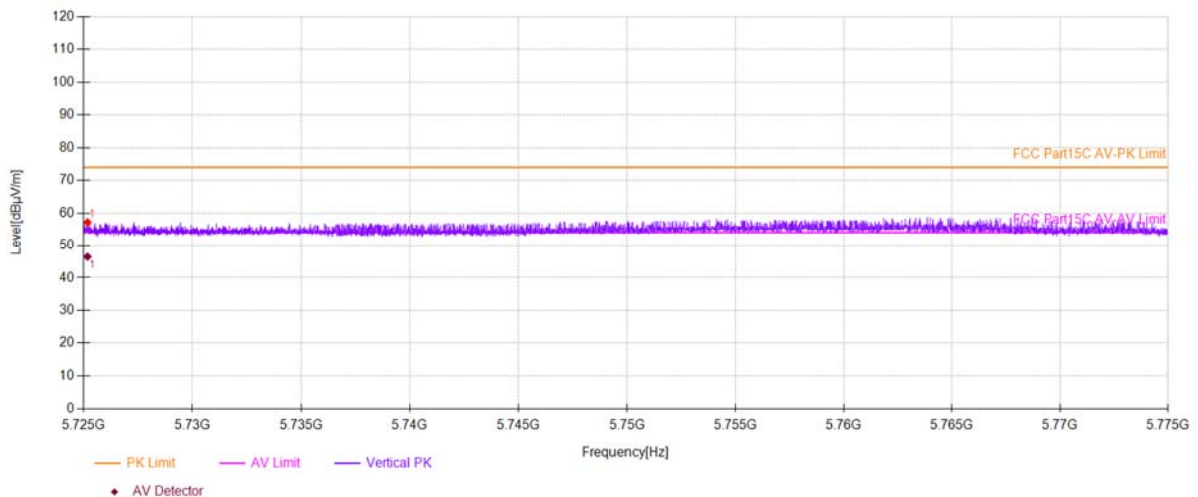
U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 100: 5500MHz	Ant.Pol	V



U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 140: 5700MHz	Ant.Pol	H



U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	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) 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)	Margin(dB)
8122.41	V	57.32	-37.91	-27	10.91
10668.5	V	62.70	-32.53	-27	5.53
13724.7	V	64.28	-30.95	-27	3.95
7995.41	H	57.70	-37.53	-27	10.53
10976.5	H	62.13	-33.10	-27	6.10
14281.7	H	64.34	-30.89	-27	3.89

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8696.45	V	58.09	-37.14	-27	10.14
10743.5	V	63.66	-31.57	-27	4.57
14180.7	V	64.53	-30.70	-27	3.70
8730.45	H	58.19	-37.04	-27	10.04
11119.5	H	62.44	-32.79	-27	5.79
14203.7	H	64.96	-30.27	-27	3.27

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8673.45	V	57.81	-37.42	-27	10.42
10738.5	V	62.69	-32.54	-27	5.54
14234.7	V	64.41	-30.82	-27	3.82
8036.41	H	56.79	-38.44	-27	11.44
11172.5	H	63.95	-31.28	-27	4.28
14237.7	H	64.64	-30.59	-27	3.59

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)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8122.41	V	57.32	40.91	74	54	16.68	13.09
10668.5	V	62.70	44.59	74	54	11.30	9.41
13724.7	V	64.28	43.23	74	54	9.72	10.77
7995.41	H	57.70	39.72	74	54	16.30	14.28
10976.5	H	62.13	44.44	74	54	11.87	9.56
14281.7	H	64.34	47.50	74	54	9.66	6.50

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8696.45	V	58.09	42.67	74	54	15.91	11.33
10743.5	V	63.66	44.44	74	54	10.34	9.56
14180.7	V	64.53	45.24	74	54	9.47	8.76
8730.45	H	58.19	42.06	74	54	15.81	11.94
11119.5	H	62.44	43.61	74	54	11.56	10.39
14203.7	H	64.96	46.32	74	54	9.04	7.68

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8673.45	V	57.81	41.88	74	54	16.19	12.12
10738.5	V	62.69	45.01	74	54	11.31	8.99
14234.7	V	64.41	46.31	74	54	9.59	7.69
8036.41	H	56.79	39.76	74	54	17.21	14.24
11172.5	H	63.95	43.32	74	54	10.05	10.68
14237.7	H	64.64	46.71	74	54	9.36	7.29

- 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) has been tested and the worst(Antenna 1,802.11n(HT20)) result recorded was report as below:

Test mode: 802.11n(HT20) Frequency: Channel 149: 5745MHz

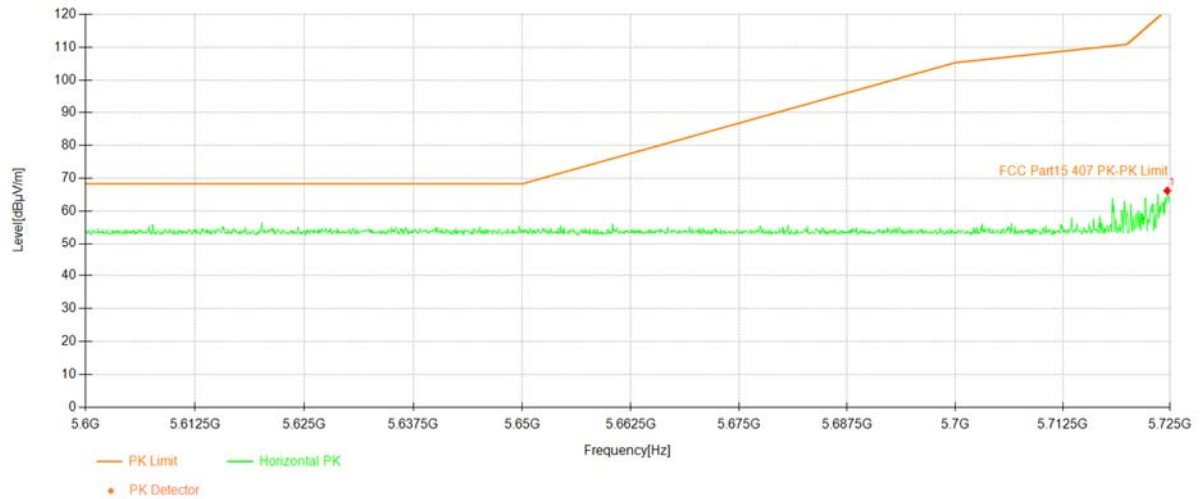
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5724.68	H	66.20	-29.03	26.36	Pass
5724.62	V	69.93	-25.30	26.21	Pass

Test mode: 802.11n(HT20) Frequency: Channel 165: 5825MHz

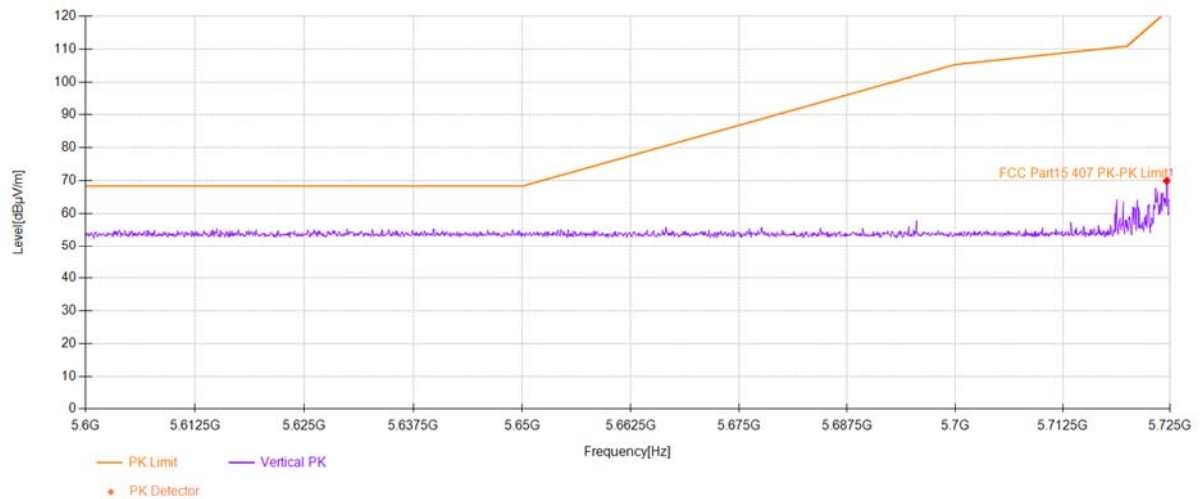
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5853.06	H	64.10	-31.13	20.08	Pass
5853.12	V	67.92	-27.31	19.94	Pass

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

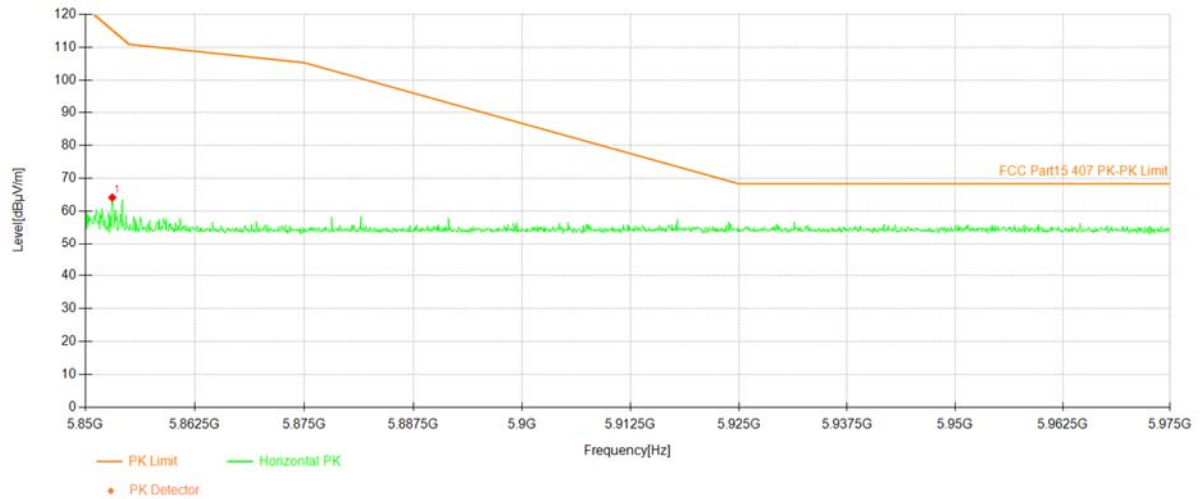
Test Model U-NII-3
Undesirable radiated 802.11n(HT20) Undesirable radiated Channel 149: 5745MHz Spurious Emission in Band Edge Ant.Pol H



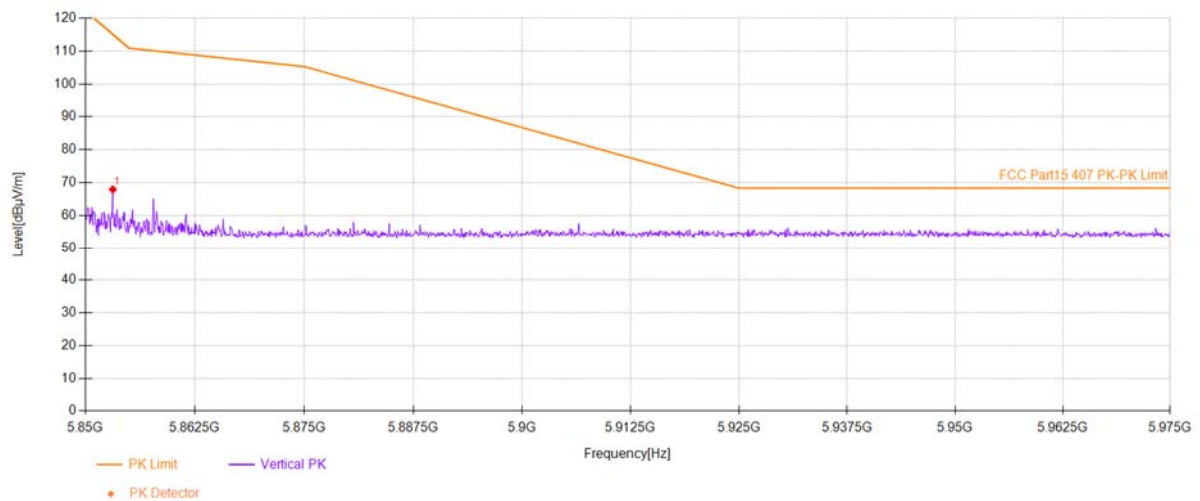
Test Model U-NII-3
Undesirable radiated 802.11n(HT20) Undesirable radiated Channel 149: 5745MHz Spurious Emission in Band Edge Ant.Pol V



U-NII-3
Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge
802.11n(HT20) Channel 165: 5825MHz Ant.Pol H

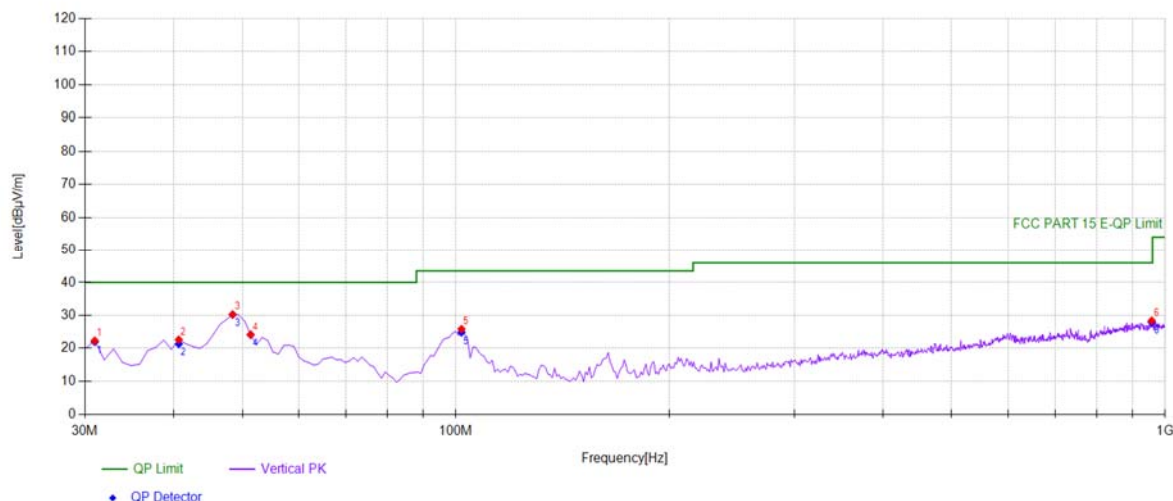


U-NII-3
Test Model Undesirable radiated Undesirable radiated Spurious Emission in Band Edge
802.11n(HT20) Channel 165: 5825MHz Ant.Pol V



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

Mode:	11A 5180
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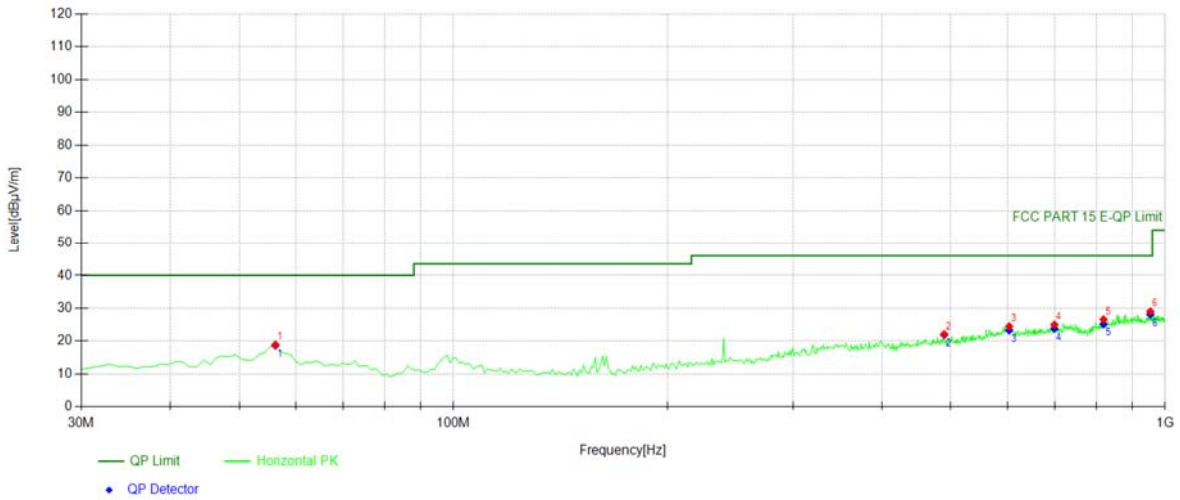
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	30.971	40.98	-18.67	22.31	PK	40.00	17.69	Vertical
2	40.6807	39.99	-17.36	22.63	PK	40.00	17.37	Vertical
3	48.4484	46.52	-16.24	30.28	PK	40.00	9.72	Vertical
4	51.3614	40.37	-16.21	24.16	PK	40.00	15.84	Vertical
5	101.851	43.17	-17.33	25.84	PK	43.50	17.66	Vertical
6	957.277	30.52	-2.13	28.39	PK	46.00	17.61	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	30.971	-18.67	21.99	40.00	18.01
2	40.6807	-17.36	21.34	40.00	18.66
3	48.4484	-16.24	30.25	40.00	9.75
4	51.3614	-16.21	24.13	40.00	15.87
5	101.8519	-17.33	24.85	43.50	18.65
6	957.2773	-2.13	27.94	46.00	18.06

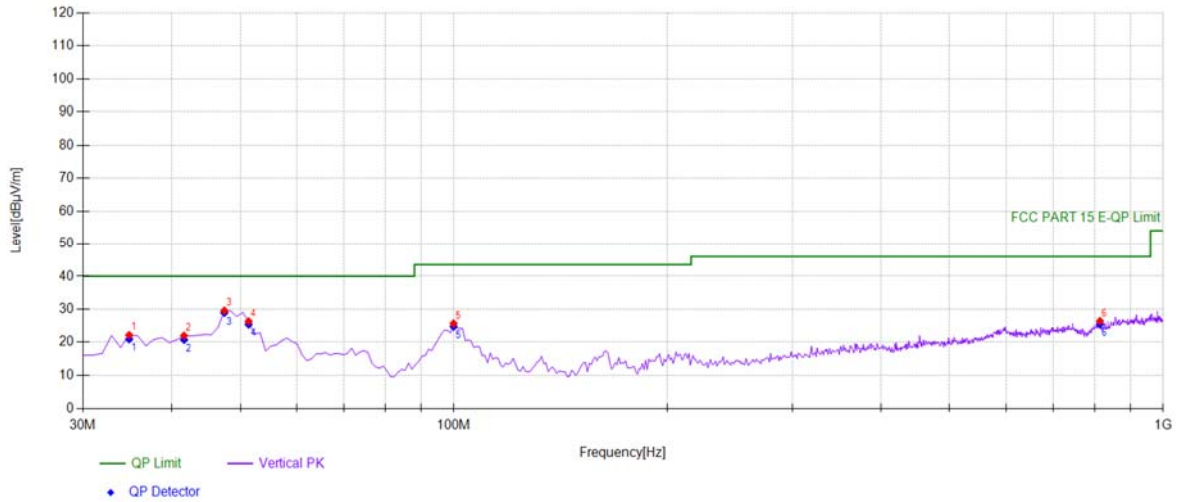
Mode:	11A 5180
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Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	56.2162	35.80	-16.87	18.93	PK	40.00	21.07	Horizontal
2	489.269	32.00	-9.88	22.12	PK	46.00	23.88	Horizontal
3	603.843	30.80	-6.32	24.48	PK	46.00	21.52	Horizontal
4	698.999	30.91	-5.92	24.99	PK	46.00	21.01	Horizontal
5	819.399	31.32	-4.72	26.60	PK	46.00	19.40	Horizontal
6	953.393	31.38	-2.37	29.01	PK	46.00	16.99	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	56.2162	-16.87	18.70	40.00	21.30
2	489.2693	-9.88	21.89	46.00	24.11
3	603.8438	-6.32	23.29	46.00	22.71
4	698.999	-5.92	23.80	46.00	22.20
5	819.3994	-4.72	25.17	46.00	20.83
6	953.3934	-2.37	28.12	46.00	17.88

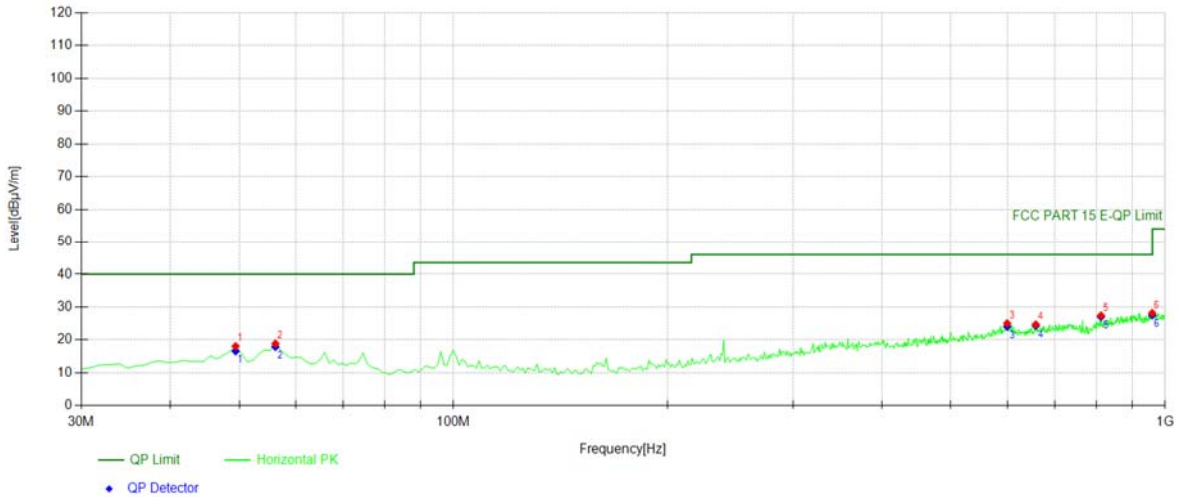
Mode:	11A 5200
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Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	34.8549	40.31	-18.15	22.16	PK	40.00	17.84	Vertical
2	41.6517	39.21	-17.22	21.99	PK	40.00	18.01	Vertical
3	47.4775	45.97	-16.39	29.58	PK	40.00	10.42	Vertical
4	51.3614	42.54	-16.21	26.33	PK	40.00	13.67	Vertical
5	99.9099	42.90	-17.22	25.68	PK	43.50	17.82	Vertical
6	814.544	31.21	-4.79	26.42	PK	46.00	19.58	Vertical

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	34.8549	-18.15	20.93	40.00	19.07
2	41.6517	-17.22	20.76	40.00	19.24
3	47.4775	-16.39	28.89	40.00	11.11
4	51.3614	-16.21	25.39	40.00	14.61
5	99.9099	-17.22	24.74	43.50	18.76
6	814.5445	-4.79	25.48	46.00	20.52

Mode:	11A 5200
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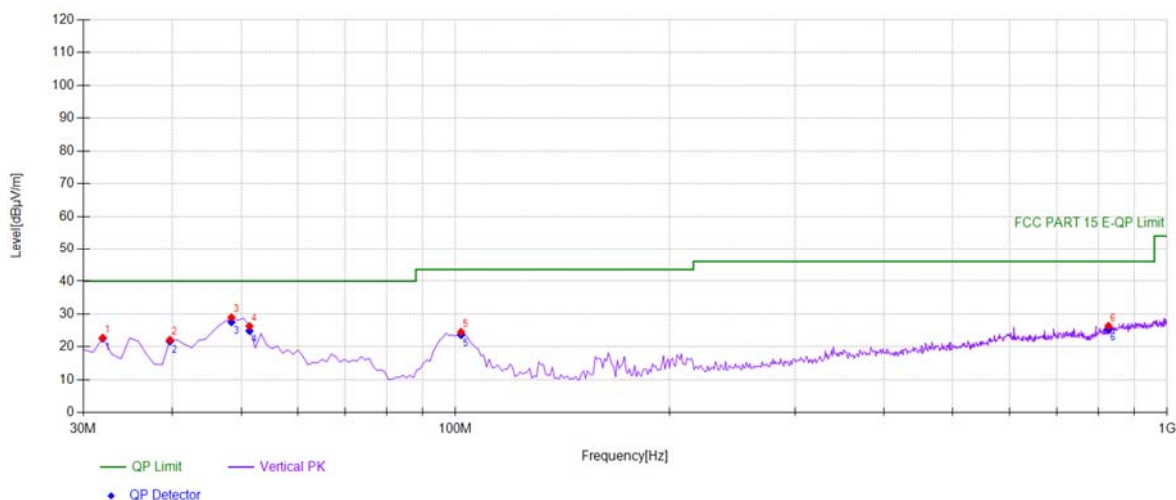
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	49.4194	34.19	-16.10	18.09	PK	40.00	21.91	Horizontal
2	56.2162	35.73	-16.87	18.86	PK	40.00	21.14	Horizontal
3	599.96	31.13	-6.10	25.03	PK	46.00	20.97	Horizontal
4	658.218	31.45	-6.74	24.71	PK	46.00	21.29	Horizontal
5	812.602	32.24	-4.82	27.42	PK	46.00	18.58	Horizontal
6	959.219	30.18	-2.01	28.17	PK	46.00	17.83	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	49.4194	-16.10	16.60	40.00	23.40
2	56.2162	-16.87	17.91	40.00	22.09
3	599.96	-6.10	24.08	46.00	21.92
4	658.2182	-6.74	24.30	46.00	21.70
5	812.6026	-4.82	27.01	46.00	18.99
6	959.2192	-2.01	27.51	46.00	18.49

Mode:	11A 5240
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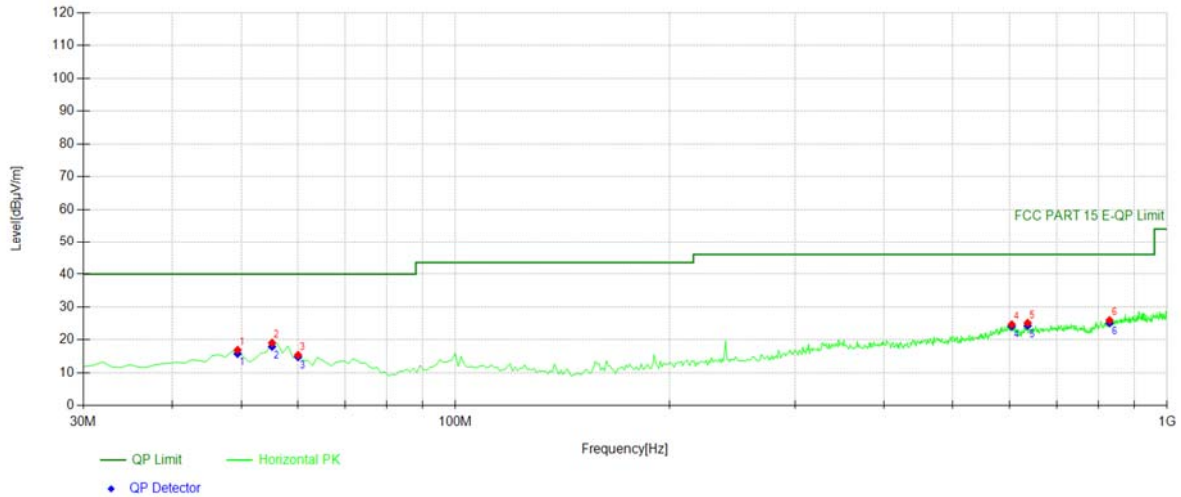
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	31.9419	41.30	-18.54	22.76	PK	40.00	17.24	Vertical
2	39.7097	39.66	-17.50	22.16	PK	40.00	17.84	Vertical
3	48.4484	45.22	-16.24	28.98	PK	40.00	11.02	Vertical
4	51.3614	42.52	-16.21	26.31	PK	40.00	13.69	Vertical
5	101.851	41.87	-17.33	24.54	PK	43.50	18.96	Vertical
6	827.167	30.99	-4.62	26.37	PK	46.00	19.63	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	31.9419	-18.54	22.55	40.00	17.45
2	39.7097	-17.50	21.70	40.00	18.30
3	48.4484	-16.24	27.56	40.00	12.44
4	51.3614	-16.21	24.89	40.00	15.11
5	101.8519	-17.33	23.66	43.50	19.84
6	827.1672	-4.62	25.49	46.00	20.51

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	49.4194	33.06	-16.10	16.96	PK	40.00	23.04	Horizontal
2	55.2452	35.84	-16.74	19.10	PK	40.00	20.90	Horizontal
3	60.1001	32.83	-17.41	15.42	PK	40.00	24.58	Horizontal
4	604.814	31.09	-6.38	24.71	PK	46.00	21.29	Horizontal
5	636.856	32.32	-7.16	25.16	PK	46.00	20.84	Horizontal
6	830.080	30.56	-4.58	25.98	PK	46.00	20.02	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	49.4194	-16.10	15.82	40.00	24.18
2	55.2452	-16.74	17.96	40.00	22.04
3	60.1001	-17.41	14.82	40.00	25.18
4	604.8148	-6.38	24.11	46.00	21.89
5	636.8569	-7.16	24.31	46.00	21.69
6	830.0801	-4.58	25.13	46.00	20.87

■ FPC Antenna 2:

For Undesirable radiated Spurious Emission in U-NII - 1

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

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

Test mode: 802.11a Frequency: Channel 36: 5180MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8179.42	V	56.86	-38.37	-27	11.37
11098.5	V	62.64	-32.59	-27	5.59
17176.9	V	67.47	-27.76	-27	0.76
8690.45	H	56.79	-38.44	-27	11.44
10968.5	H	62.22	-33.01	-27	6.01
17049.9	H	67.36	-27.87	-27	0.87

Test mode: 802.11a Frequency: Channel 40: 5200MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8109.41	V	56.19	-39.04	-27	12.04
11016.5	V	62.12	-33.11	-27	6.11
17023.9	V	67.33	-27.90	-27	0.90
8096.41	H	56.69	-38.54	-27	11.54
10751.5	H	62.62	-32.61	-27	5.61
17698.9	H	67.29	-27.94	-27	0.94

Test mode: 802.11a Frequency: Channel 48: 5240MHz

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
7565.38	V	55.66	-39.57	-27	12.57
10737.5	V	61.98	-33.25	-27	6.25
17538.9	V	67.22	-28.01	-27	1.01
8086.41	H	56.18	-39.05	-27	12.05
11107.5	H	62.04	-33.19	-27	6.19
16984.9	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[dBuV/m] + 20 log(d[meters]) - 104.77
 d is the measurement distance in 3 meters

Test mode: 802.11a Frequency: Channel 36: 5180MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8179.42	V	56.86	40.38	74	54	17.14	13.62
11098.5	V	62.64	44.42	74	54	11.36	9.58
17176.9	V	67.47	46.17	74	54	6.53	7.83
8690.45	H	56.79	42.85	74	54	17.21	11.15
10968.5	H	62.22	44.38	74	54	11.78	9.62
17049.9	H	67.36	46.14	74	54	6.64	7.86

Test mode: 802.11a Frequency: Channel 40: 5200MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8109.41	V	56.19	40.94	74	54	17.81	13.06
11016.5	V	62.12	44.54	74	54	11.88	9.46
17023.9	V	67.33	46.30	74	54	6.67	7.70
8096.41	H	56.69	41.14	74	54	17.31	12.86
10751.5	H	62.62	44.80	74	54	11.38	9.20
17698.9	H	67.29	46.30	74	54	6.71	7.70

Test mode: 802.11a Frequency: Channel 48: 5240MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
7565.38	V	55.66	39.69	74	54	18.34	14.31
10737.5	V	61.98	44.48	74	54	12.02	9.52
17538.9	V	67.22	46.49	74	54	6.78	7.51
8086.41	H	56.18	40.62	74	54	17.82	13.38
11107.5	H	62.04	44.45	74	54	11.96	9.55
16984.9	H	67.29	46.46	74	54	6.71	7.54

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) has been tested and the worst(Antenna 1,802.11n(HT20)) result recorded was report as below:

Test mode:		Frequency:		Channel 36: 5180MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5148.70	H	63.78	-31.45	-27	Pass
5148.13	V	59.22	-36.01	-27	Pass

Test mode:		Frequency:		Channel 48: 5240MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5352.64	H	53.91	-41.32	-27	Pass
5352.07	V	54.03	-41.20	-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

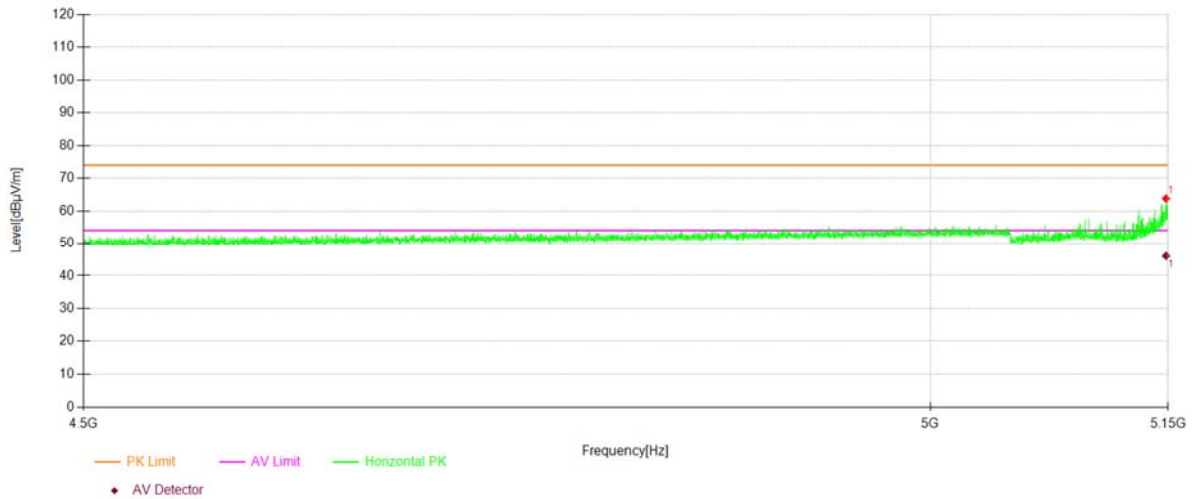
Test mode:		Frequency:		Channel 36: 5180MHz	
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5148.70	H	63.78	74.00	46.03	54.00
5148.13	V	59.22	74.00	42.69	54.00

Test mode:		Frequency:		Channel 48: 5240MHz	
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5352.64	H	53.91	74.00	45.15	54.00
5352.07	V	54.03	74.00	45.61	54.00

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.

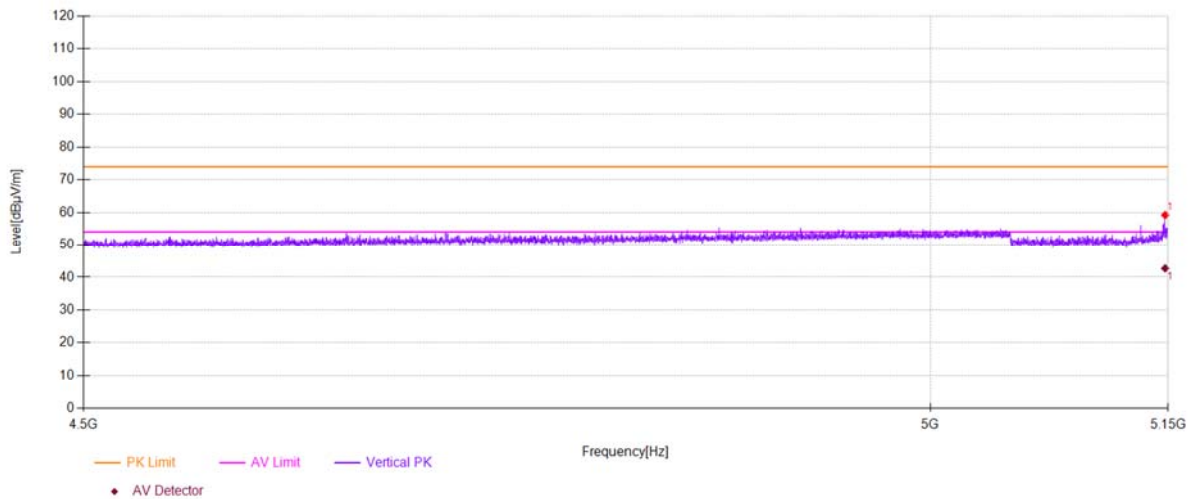
U-NII - 1

Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge
	802.11n(HT20)	Channel 36: 5180MHz	Ant.Pol
			H

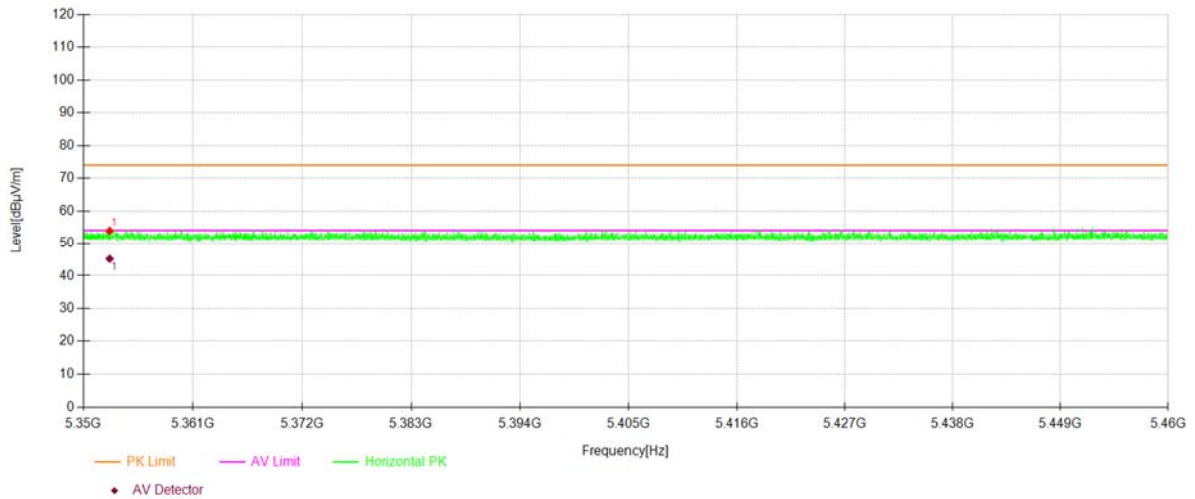


U-NII - 1

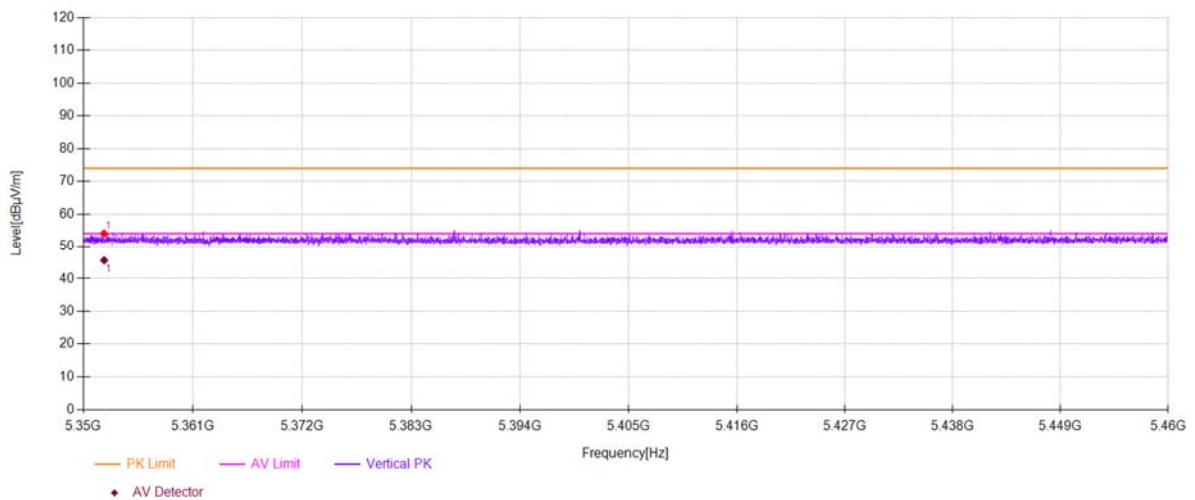
Test Model	Undesirable radiated	Undesirable radiated	Emission in Band Edge
	802.11n(HT20)	Channel 36: 5180MHz	Ant.Pol
			V



U-NII - 1				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 48: 5240MHz	Ant.Pol	H



U-NII - 1				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 48: 5240MHz	Ant.Pol	V



■ For Undesirable Radiated Spurious Emission in U-NII -2A

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

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

Test mode: 802.11a		Frequency:		Channel 52: 5260MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8167.42	V	56.18	-39.05	-27	12.05
11014.5	V	62.71	-32.52	-27	5.52
17935.9	V	67.31	-27.92	-27	0.92
8678.45	H	57.81	-37.42	-27	10.42
10999.5	H	62.87	-32.36	-27	5.36
17618.9	H	67.20	-28.03	-27	1.03

Test mode: 802.11a		Frequency:		Channel 56: 5280MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8346.43	V	56.37	-38.86	-27	11.86
11021.5	V	63.09	-32.14	-27	5.14
17864.9	V	67.20	-28.03	-27	1.03
8124.41	H	57.00	-38.23	-27	11.23
10976.5	H	62.28	-32.95	-27	5.95
17036.9	H	67.72	-27.51	-27	0.51

Test mode: 802.11a		Frequency:		Channel 64: 5320MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8178.42	V	56.99	-38.24	-27	11.24
11069.5	V	62.25	-32.98	-27	5.98
17997.9	V	66.18	-29.05	-27	2.05
8067.41	H	56.83	-38.40	-27	11.40
10740.5	H	62.53	-32.70	-27	5.70
17588.9	H	66.19	-29.04	-27	2.04

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 52: 5260MHz

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8167.42	V	56.18	40.64	74	54	17.82	13.36
11014.5	V	62.71	44.46	74	54	11.29	9.54
17935.9	V	67.31	47.34	74	54	6.69	6.66
8678.45	H	57.81	42.34	74	54	16.19	11.66
10999.5	H	62.87	44.60	74	54	11.13	9.40
17618.9	H	67.20	47.34	74	54	6.80	6.66

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8346.43	V	56.37	40.65	74	54	17.63	13.35
11021.5	V	63.09	44.53	74	54	10.91	9.47
17864.9	V	67.20	46.68	74	54	6.80	7.32
8124.41	H	57.00	40.85	74	54	17.00	13.15
10976.5	H	62.28	44.42	74	54	11.72	9.58
17036.9	H	67.72	46.49	74	54	6.28	7.51

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8178.42	V	56.99	40.42	74	54	17.01	13.58
11069.5	V	62.25	44.52	74	54	11.75	9.48
17997.9	V	66.18	46.94	74	54	7.82	7.06
8067.41	H	56.83	40.12	74	54	17.17	13.88
10740.5	H	62.53	44.93	74	54	11.47	9.07
17588.9	H	66.19	46.87	74	54	7.81	7.13

- 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) has been tested and the worst(Antenna 1,802.11n(HT20)) result recorded was report as below:

Test mode:		802.11n(HT20)		Frequency:	Channel 52: 5260MHz
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5144.71	H	54.36	-40.87	-27	Pass
5145.69	V	54.07	-41.16	-27	Pass

Test mode:		802.11n(HT20)		Frequency:	Channel 64: 5320MHz
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5350.59	H	63.37	-31.86	-27	Pass
5350.19	V	61.62	-33.61	-27	Pass

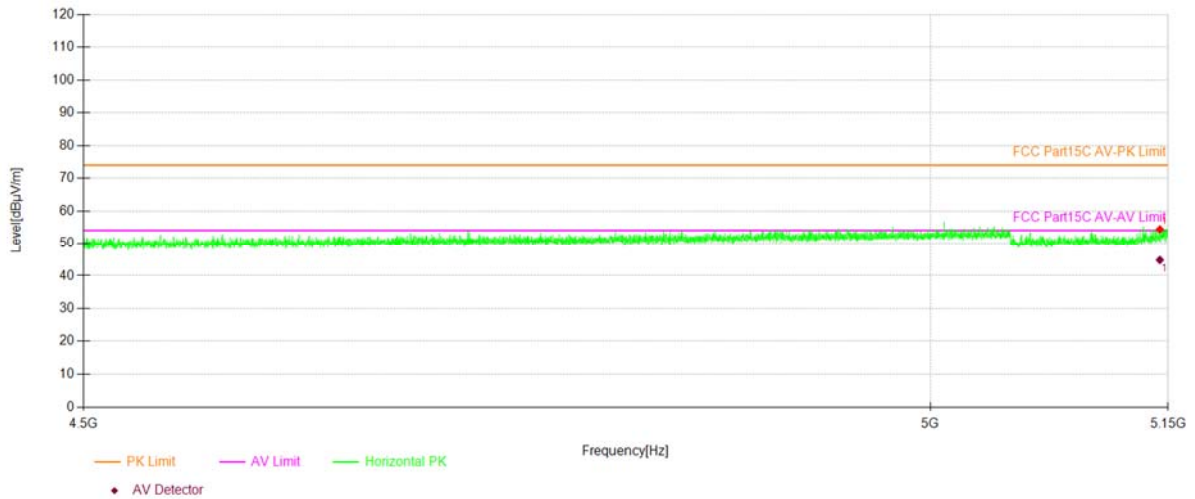
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value(VBW=10Hz).
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
 (3)EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77
 d is the measurement distance in 3 meters

Test mode:		802.11n(HT20)		Frequency:	Channel 52: 5260MHz
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5144.71	H	54.36	74.00	44.78	54.00
5145.69	V	54.07	74.00	44.97	54.00

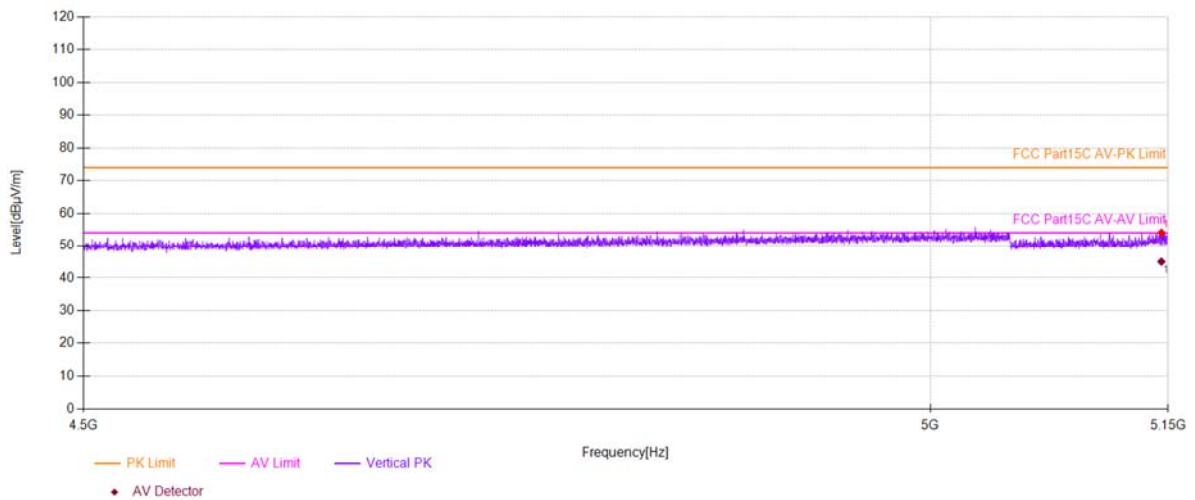
Test mode:		802.11n(HT20)		Frequency:	Channel 64: 5320MHz
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)
5350.59	H	63.37	74.00	45.93	54.00
5350.19	V	61.62	74.00	42.69	54.00

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.

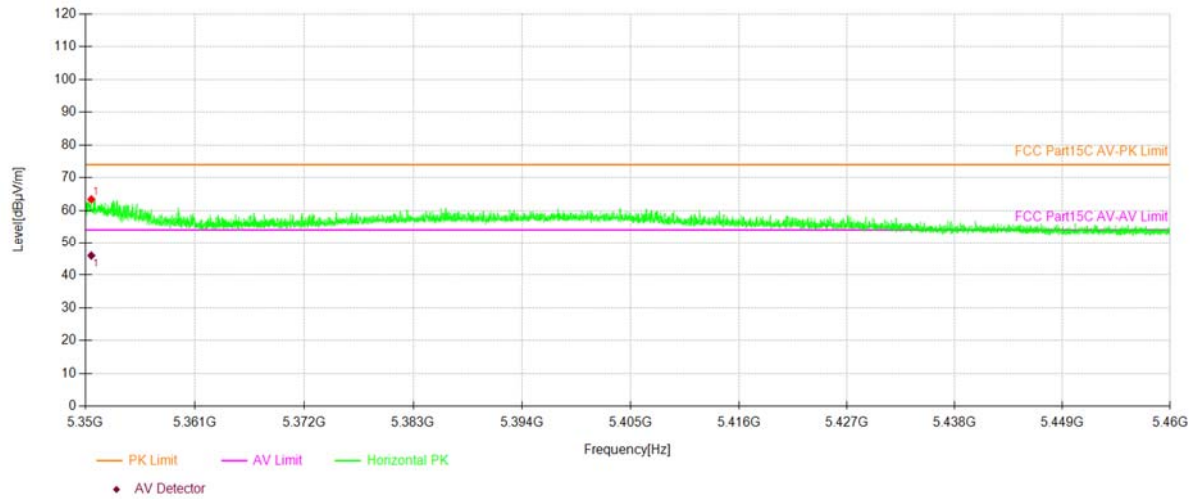
U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 52: 5260MHz	Ant.Pol	H



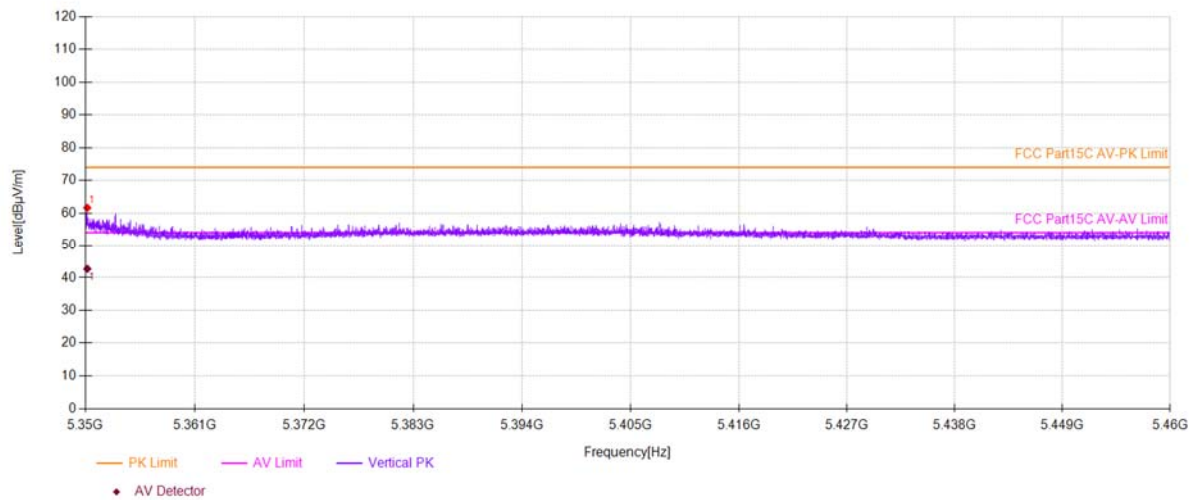
U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 52: 5260MHz	Ant.Pol	V



U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 64: 5320MHz	Ant.Pol	H



U-NII -2A				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 64: 5320MHz	Ant.Pol	V



■ 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) 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)	Margin(dB)
8160.42	V	57.05	-38.18	-27	11.18
10962.5	V	62.65	-32.58	-27	5.58
16994.9	V	66.52	-28.71	-27	1.71
8202.42	H	56.32	-38.91	-27	11.91
10091.5	H	60.82	-34.41	-27	7.41
17912.9	H	67.33	-27.90	-27	0.90

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8435.43	V	56.86	-38.37	-27	11.37
11058.5	V	62.67	-32.56	-27	5.56
17872.9	V	67.35	-27.88	-27	0.88
8121.41	H	56.99	-38.24	-27	11.24
11490.6	H	62.85	-32.38	-27	5.38
17807.9	H	67.22	-28.01	-27	1.01

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8049.41	V	56.35	-38.88	-27	11.88
10743.5	V	61.70	-33.53	-27	6.53
17013.9	V	67.18	-28.05	-27	1.05
8185.42	H	56.24	-38.99	-27	11.99
10780.5	H	62.09	-33.14	-27	6.14
17552.9	H	66.00	-29.23	-27	2.23

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)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8160.42	V	57.05	40.53	74	54	16.95	13.47
10962.5	V	62.65	44.29	74	54	11.35	9.71
16994.9	V	66.52	47.09	74	54	7.48	6.91
8202.42	H	56.32	40.57	74	54	17.68	13.43
10091.5	H	60.82	42.78	74	54	13.18	11.22
17912.9	H	67.33	46.57	74	54	6.67	7.43

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8435.43	V	56.86	40.29	74	54	17.14	13.71
11058.5	V	62.67	44.60	74	54	11.33	9.40
17872.9	V	67.35	46.39	74	54	6.65	7.61
8121.41	H	56.99	40.92	74	54	17.01	13.08
11490.6	H	62.85	43.45	74	54	11.15	10.55
17807.9	H	67.22	46.79	74	54	6.78	7.21

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8049.41	V	56.35	39.86	74	54	17.65	14.14
10743.5	V	61.70	44.88	74	54	12.30	9.12
17013.9	V	67.18	46.92	74	54	6.82	7.08
8185.42	H	56.24	40.54	74	54	17.76	13.46
10780.5	H	62.09	44.24	74	54	11.91	9.76
17552.9	H	66.00	46.14	74	54	8.00	7.86

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) has been tested and the worst(Antenna 1,802.11n(HT20)) result recorded was report as below:

Test mode:		802.11n(HT20)		Frequency:		Channel 100: 5500MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict		
5468.75	H	62.44	-32.79	-27	Pass		
5469.71	V	57.88	-37.35	-27	Pass		

Test mode:		802.11n(HT20)		Frequency:		Channel 140: 5700MHz	
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict		
5725.39	H	59.30	-35.93	-27	Pass		
5725.31	V	57.71	-37.52	-27	Pass		

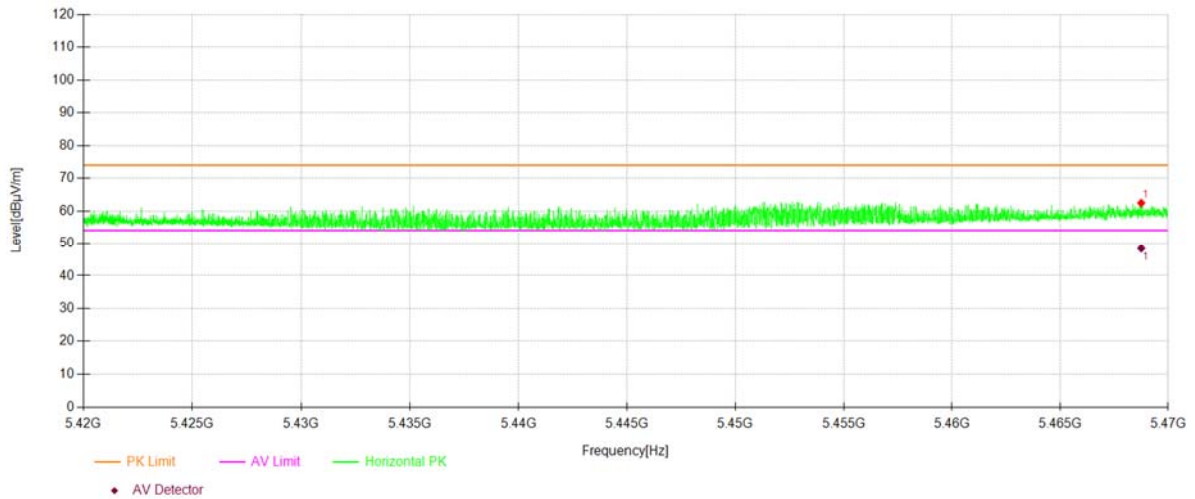
Note: (1) All Readings are Peak Value (VBW=3MHz) and Average Value(VBW=10Hz).
 (2) Emission Level= Reading Level+Probe Factor +Cable Loss.
 (3)EIRP[dBm] = E[dBuV/m] + 20 log(d[meters]) - 104.77
 d is the measurement distance in 3 meters

Test mode:		802.11n(HT20)		Frequency:		Channel 100: 5500MHz	
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)		
5468.75	H	62.44	74.00	48.36	54.00		
5469.71	V	57.88	74.00	44.14	54.00		

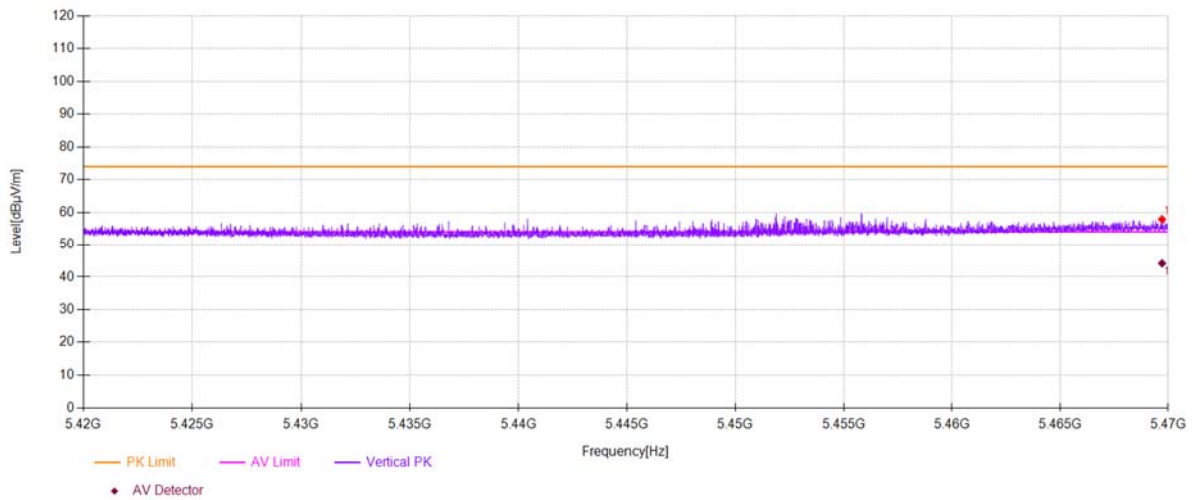
Test mode:		802.11n(HT20)		Frequency:		Channel 140: 5700MHz	
Frequency (MHz)	Polarity	PK(dBuV/m) (VBW=3MHz)	Limit 3m (dBuV/m)	AV(dBuV/m) (VBW=10Hz)	Limit 3m (dBuV/m)		
5725.39	H	59.30	74.00	46.29	54.00		
5725.31	V	57.71	74.00	46.24	54.00		

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.

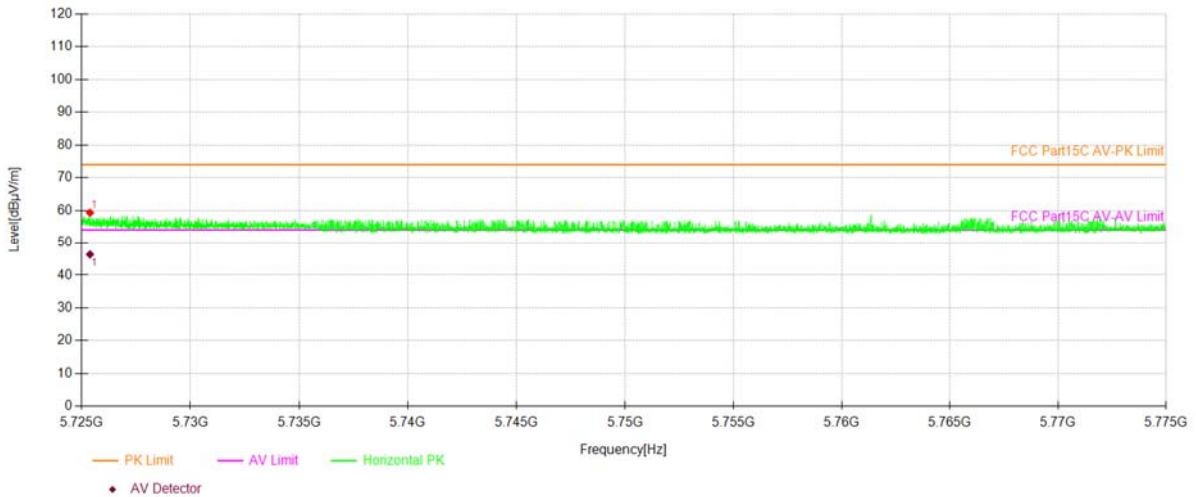
U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 100: 5500MHz	Ant.Pol	H



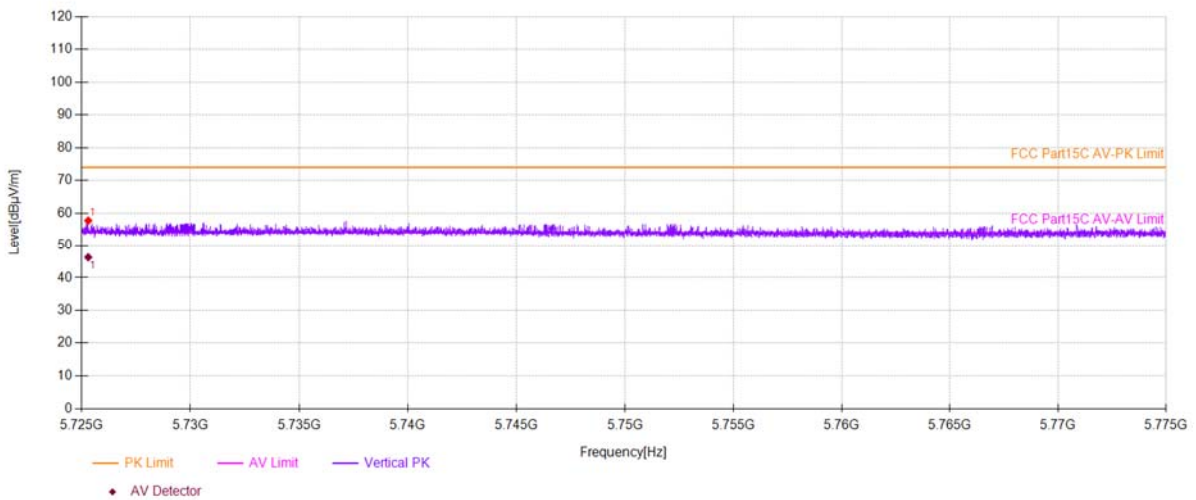
U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 100: 5500MHz	Ant.Pol	V



U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	Channel 140: 5700MHz	Ant.Pol	H



U-NII -2C				
Test Model	Undesirable radiated	Undesirable radiated	Spurious Emission in Band Edge	
	802.11n(HT20)	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) 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)	Margin(dB)
9353.49	V	58.62	-36.61	-27	9.61
10740.5	V	62.75	-32.48	-27	5.48
14277.7	V	64.47	-30.76	-27	3.76
8694.45	H	59.05	-36.18	-27	9.18
11107.5	H	62.44	-32.79	-27	5.79
14216.7	H	64.49	-30.74	-27	3.74

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
8622.44	V	57.91	-37.32	-27	10.32
10648.5	V	63.28	-31.95	-27	4.95
14193.7	V	64.38	-30.85	-27	3.85
8670.45	H	57.97	-37.26	-27	10.26
10701.5	H	62.48	-32.75	-27	5.75
13716.7	H	64.37	-30.86	-27	3.86

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

Freq. (MHz)	Ant.Pol.	Field Strength (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Margin(dB)
7680.39	V	55.97	-39.26	-27	12.26
10680.5	V	62.01	-33.22	-27	6.22
14271.7	V	64.54	-30.69	-27	3.69
8002.41	H	57.27	-37.96	-27	10.96
10663.5	H	62.62	-32.61	-27	5.61
12604.6	H	64.48	-30.75	-27	3.75

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)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
9353.49	V	58.62	43.71	74	54	15.38	10.29
10740.5	V	62.75	44.99	74	54	11.25	9.01
14277.7	V	64.47	47.60	74	54	9.53	6.40
8694.45	H	59.05	42.94	74	54	14.95	11.06
11107.5	H	62.44	44.07	74	54	11.56	9.93
14216.7	H	64.49	46.17	74	54	9.51	7.83

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
8622.44	V	57.91	41.60	74	54	16.09	12.40
10648.5	V	63.28	43.60	74	54	10.72	10.40
14193.7	V	64.38	46.01	74	54	9.62	7.99
8670.45	H	57.97	42.26	74	54	16.03	11.74
10701.5	H	62.48	45.20	74	54	11.52	8.80
13716.7	H	64.37	42.99	74	54	9.63	11.01

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

Freq. (MHz)	Ant.Pol.	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Margin(dB)	
	H/V	PK	AV	PK	AV	PK	AV
7680.39	V	55.97	39.86	74	54	18.03	14.14
10680.5	V	62.01	44.97	74	54	11.99	9.03
14271.7	V	64.54	47.25	74	54	9.46	6.75
8002.41	H	57.27	40.12	74	54	16.73	13.88
10663.5	H	62.62	44.43	74	54	11.38	9.57
12604.6	H	64.48	46.19	74	54	9.52	7.81

- 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) has been tested and the worst(Antenna 1,802.11n(HT20)) result recorded was report as below:

Test mode: 802.11n(HT20) Frequency: Channel 149: 5745MHz

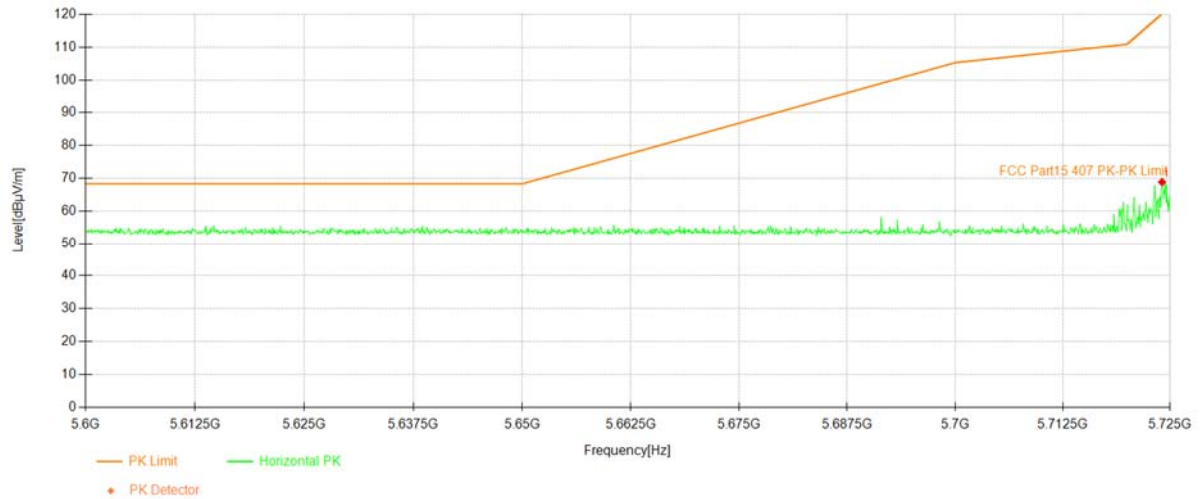
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5724.06	H	68.84	-26.39	24.93	Pass
5724.24	V	70.13	-25.10	25.36	Pass

Test mode: 802.11n(HT20) Frequency: Channel 165: 5825MHz

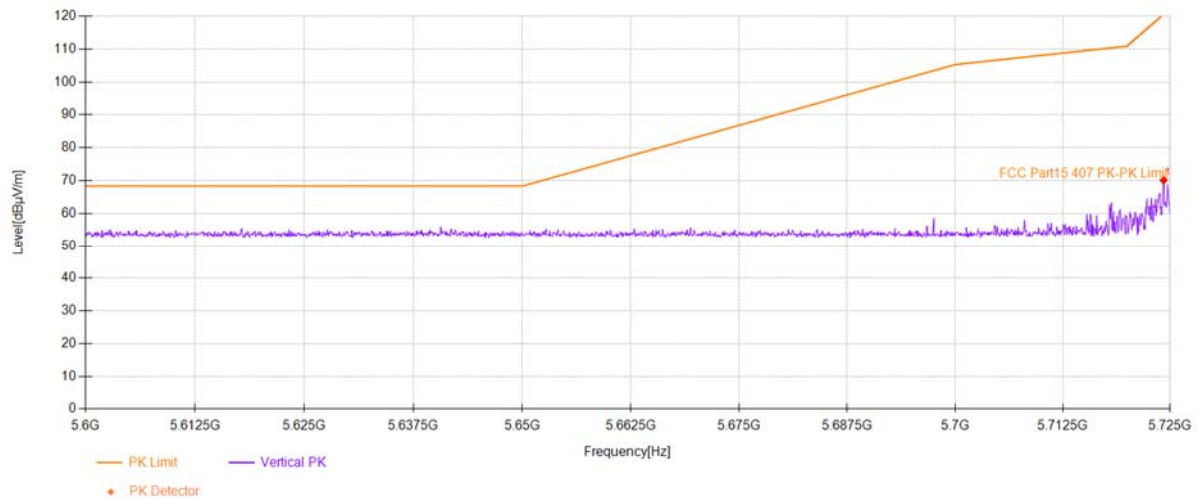
Freq. (MHz)	Ant.Pol.	Field Strength (RBW=100KHz) (dBuV/m)	E.I.R.P (dBm)	Limit (dBm)	Verdict
5850.87	H	63.85	-31.38	25.07	Pass
5851.12	V	63.18	-32.05	24.50	Pass

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

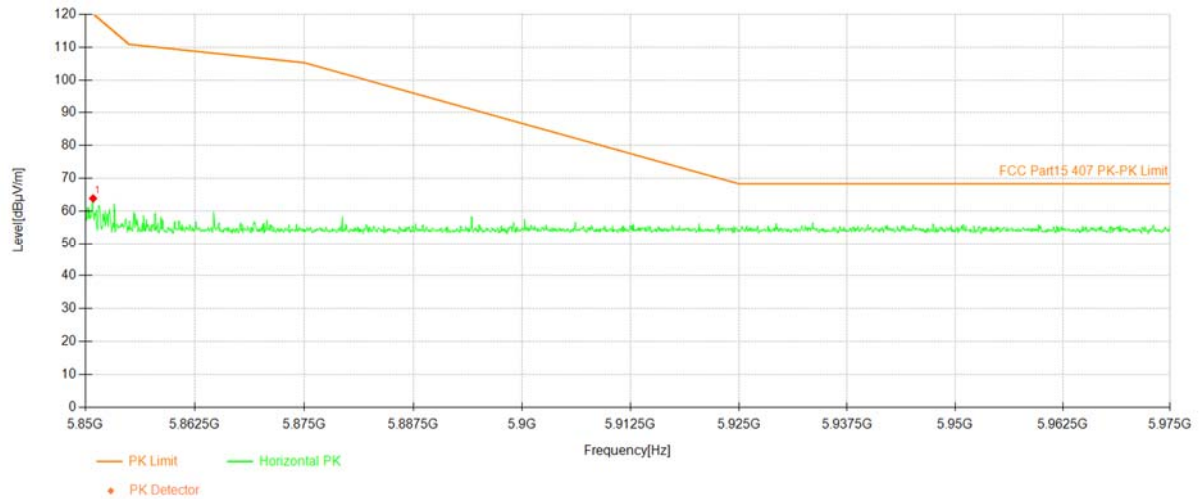
Test Model U-NII-3
Undesirable radiated 802.11n(HT20) Undesirable radiated Channel 149: 5745MHz Spurious Emission in Band Edge Ant.Pol H



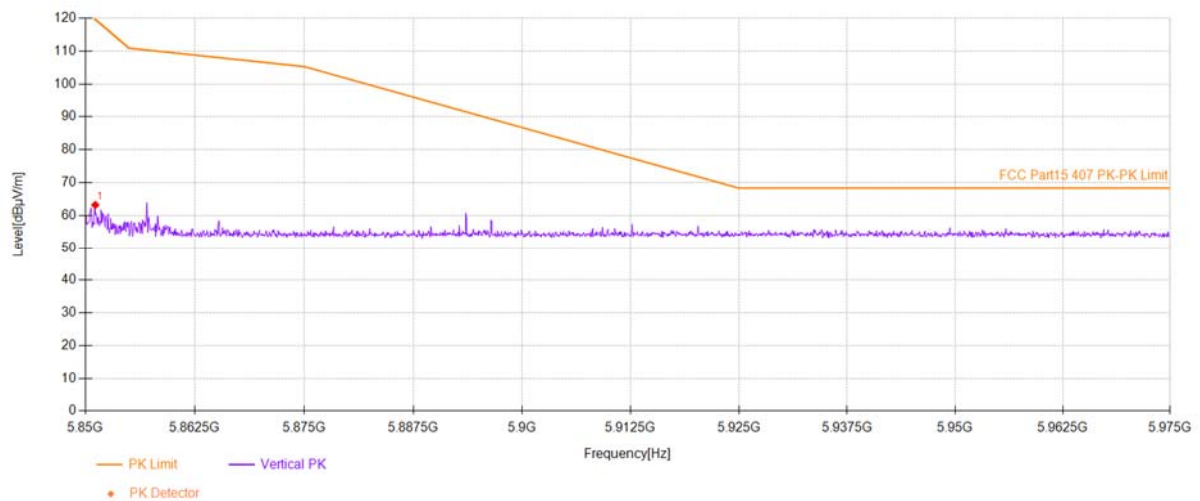
Test Model U-NII-3
Undesirable radiated 802.11n(HT20) Undesirable radiated Channel 149: 5745MHz Spurious Emission in Band Edge Ant.Pol V



Test Model U-NII-3
Undesirable radiated 802.11n(HT20) Undesirable radiated Channel 165: 5825MHz Spurious Emission in Band Edge Ant.Pol H

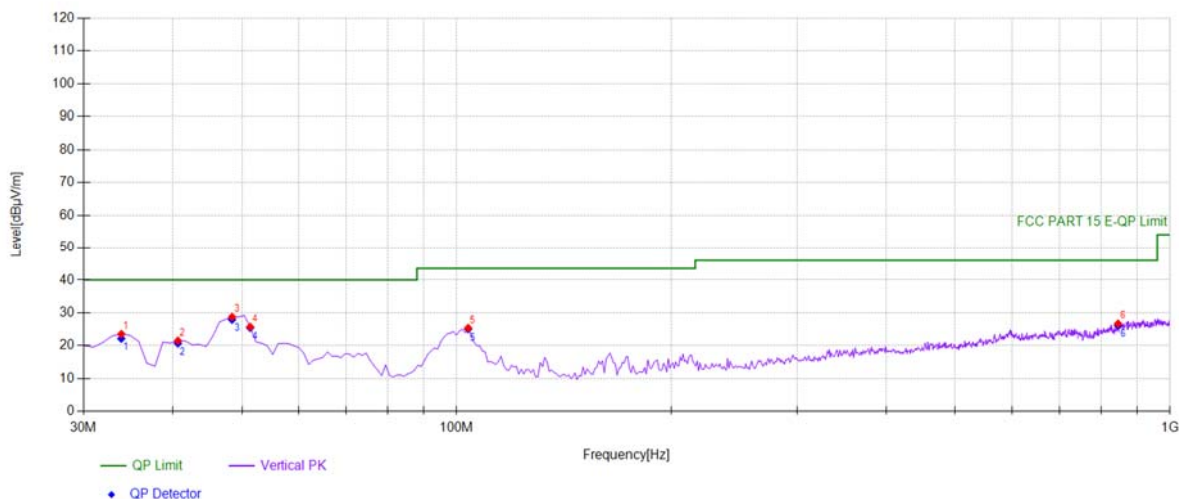


Test Model U-NII-3
Undesirable radiated 802.11n(HT20) Undesirable radiated Channel 165: 5825MHz Spurious Emission in Band Edge Ant.Pol V



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

Mode:	11A 5180
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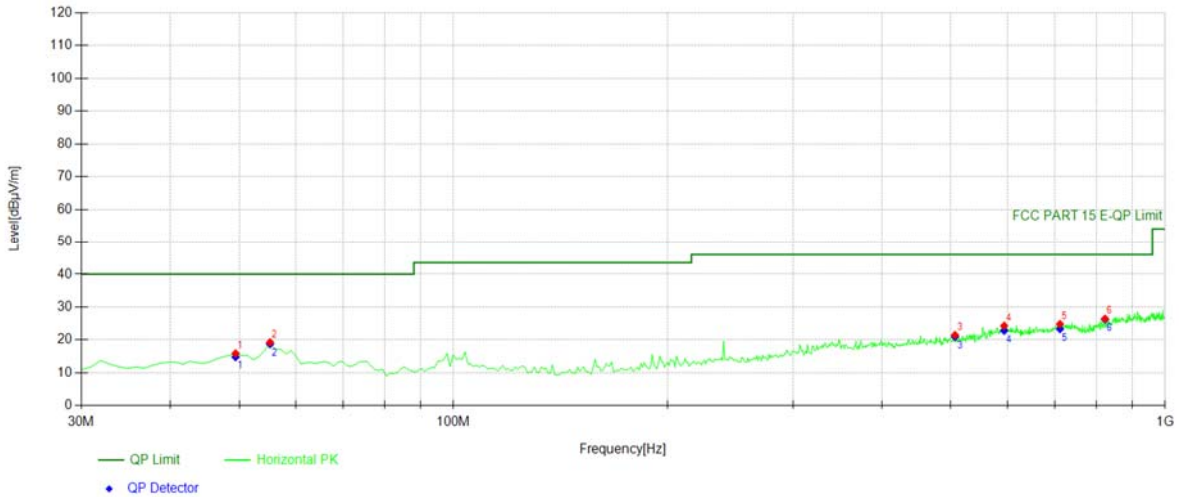
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	33.8839	41.83	-18.28	23.55	PK	40.00	16.45	Vertical
2	40.6807	38.90	-17.36	21.54	PK	40.00	18.46	Vertical
3	48.4484	45.00	-16.24	28.76	PK	40.00	11.24	Vertical
4	51.3614	41.95	-16.21	25.74	PK	40.00	14.26	Vertical
5	103.793	42.84	-17.46	25.38	PK	43.50	18.12	Vertical
6	845.615	30.78	-4.08	26.70	PK	46.00	19.30	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	33.8839	-18.28	22.17	40.00	17.83
2	40.6807	-17.36	20.70	40.00	19.30
3	48.4484	-16.24	27.92	40.00	12.08
4	51.3614	-16.21	25.44	40.00	14.56
5	103.7938	-17.46	25.08	43.50	18.42
6	845.6156	-4.08	26.16	46.00	19.84

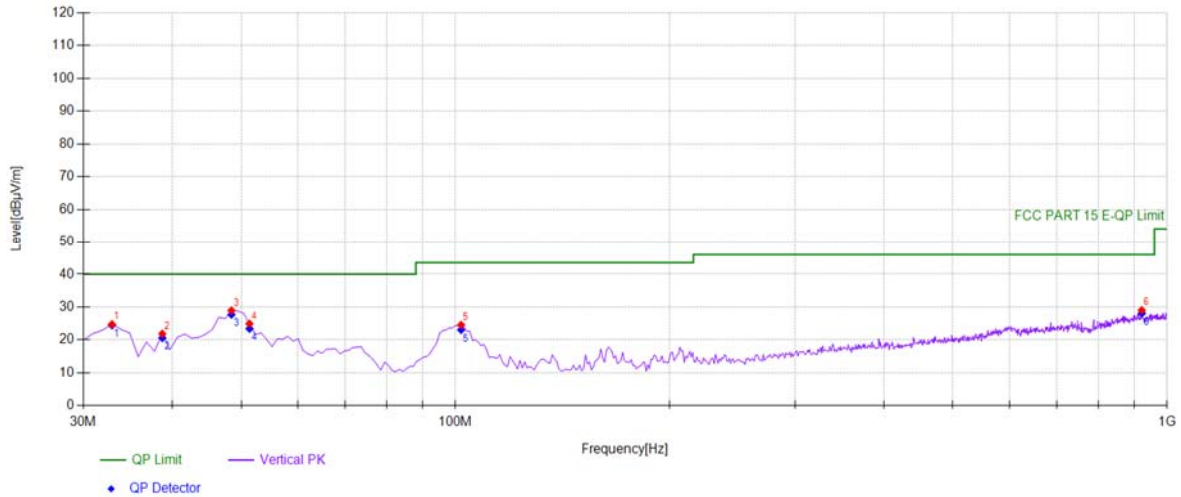
Mode:	11A 5180
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Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	49.4194	31.97	-16.10	15.87	PK	40.00	24.13	Horizontal
2	55.2452	36.01	-16.74	19.27	PK	40.00	20.73	Horizontal
3	506.746	31.32	-9.83	21.49	PK	46.00	24.51	Horizontal
4	594.134	30.74	-6.44	24.30	PK	46.00	21.70	Horizontal
5	711.621	30.60	-5.78	24.82	PK	46.00	21.18	Horizontal
6	823.283	31.11	-4.66	26.45	PK	46.00	19.55	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	49.4194	-16.10	14.81	40.00	25.19
2	55.2452	-16.74	18.75	40.00	21.25
3	506.7467	-9.83	20.97	46.00	25.03
4	594.1341	-6.44	22.81	46.00	23.19
5	711.6216	-5.78	23.33	46.00	22.67
6	823.2833	-4.66	26.22	46.00	19.78

Mode:	11A 5200
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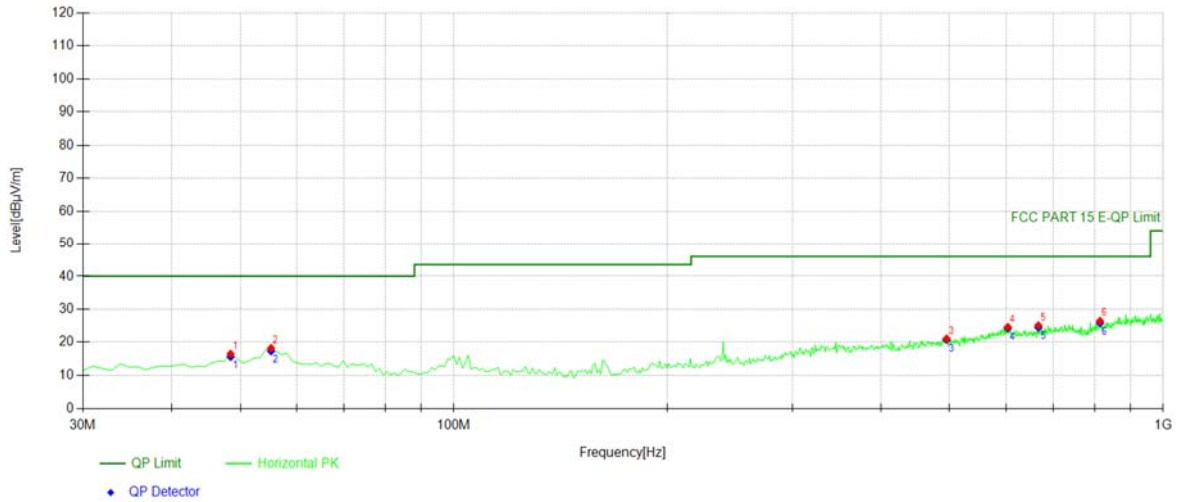
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	32.9129	43.15	-18.41	24.74	PK	40.00	15.26	Vertical
2	38.7387	39.49	-17.63	21.86	PK	40.00	18.14	Vertical
3	48.4484	45.19	-16.24	28.95	PK	40.00	11.05	Vertical
4	51.3614	41.13	-16.21	24.92	PK	40.00	15.08	Vertical
5	101.851	41.89	-17.33	24.56	PK	43.50	18.94	Vertical
6	921.351	31.63	-2.61	29.02	PK	46.00	16.98	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	32.9129	-18.41	24.47	40.00	15.53
2	38.7387	-17.63	20.63	40.00	19.37
3	48.4484	-16.24	27.72	40.00	12.28
4	51.3614	-16.21	23.44	40.00	16.56
5	101.8519	-17.33	23.08	43.50	20.42
6	921.3514	-2.61	28.08	46.00	17.92

Mode:	11A 5200
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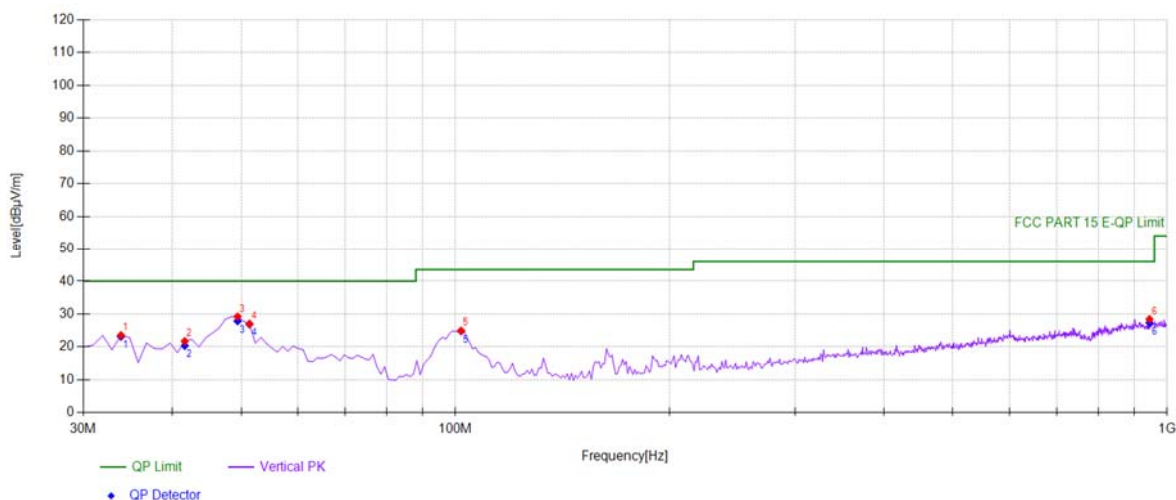
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	48.4484	32.72	-16.24	16.48	PK	40.00	23.52	Horizontal
2	55.2452	34.96	-16.74	18.22	PK	40.00	21.78	Horizontal
3	495.095	31.01	-9.91	21.10	PK	46.00	24.90	Horizontal
4	603.843	30.91	-6.32	24.59	PK	46.00	21.41	Horizontal
5	666.957	31.79	-6.70	25.09	PK	46.00	20.91	Horizontal
6	814.544	31.24	-4.79	26.45	PK	46.00	19.55	Horizontal

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	48.4484	-16.24	15.58	40.00	24.42
2	55.2452	-16.74	17.32	40.00	22.68
3	495.0951	-9.91	20.74	46.00	25.26
4	603.8438	-6.32	24.23	46.00	21.77
5	666.957	-6.70	24.48	46.00	21.52
6	814.5445	-4.79	25.84	46.00	20.16

Mode:	11A 5240
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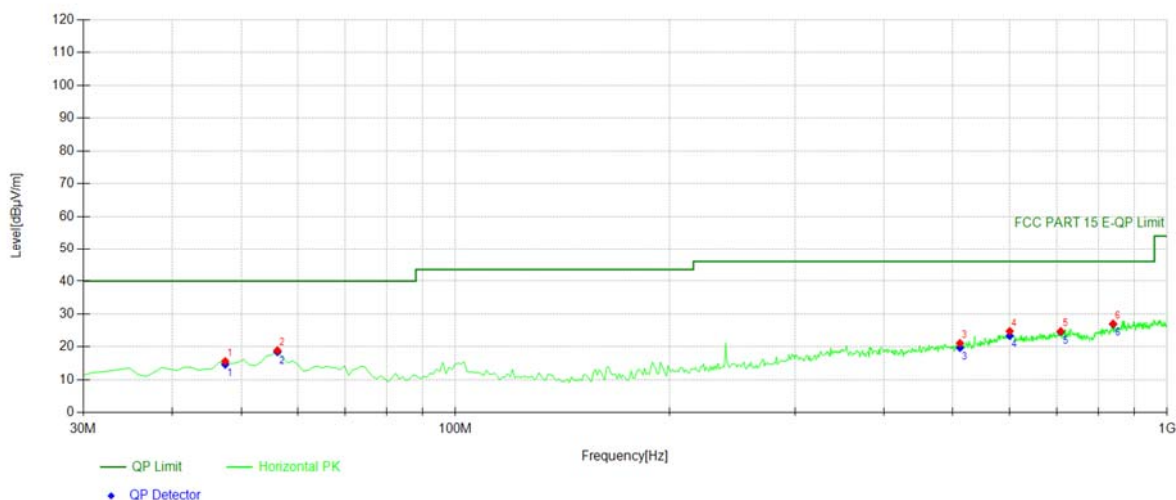
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	33.8839	41.84	-18.28	23.56	PK	40.00	16.44	Vertical
2	41.6517	38.95	-17.22	21.73	PK	40.00	18.27	Vertical
3	49.4194	45.33	-16.10	29.23	PK	40.00	10.77	Vertical
4	51.3614	43.23	-16.21	27.02	PK	40.00	12.98	Vertical
5	101.851	42.26	-17.33	24.93	PK	43.50	18.57	Vertical
6	944.654	31.37	-2.92	28.45	PK	46.00	17.55	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	33.8839	-18.28	23.16	40.00	16.84
2	41.6517	-17.22	20.37	40.00	19.63
3	49.4194	-16.10	27.87	40.00	12.13
4	51.3614	-16.21	26.91	40.00	13.09
5	101.8519	-17.33	24.82	43.50	18.68
6	944.6547	-2.92	27.38	46.00	18.62

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	47.4775	32.05	-16.39	15.66	PK	40.00	24.34	Horizontal
2	56.2162	35.80	-16.87	18.93	PK	40.00	21.07	Horizontal
3	511.601	30.88	-9.73	21.15	PK	46.00	24.85	Horizontal
4	600.930	30.95	-6.16	24.79	PK	46.00	21.21	Horizontal
5	708.708	30.55	-5.80	24.75	PK	46.00	21.25	Horizontal
6	839.789	31.42	-4.37	27.05	PK	46.00	18.95	Horizontal

Final Data List					
NO.	Freq. [MHz]	Factor [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]
1	47.4775	-16.39	14.68	40.00	25.32
2	56.2162	-16.87	18.49	40.00	21.51
3	511.6016	-9.73	19.75	46.00	26.25
4	600.9309	-6.16	23.39	46.00	22.61
5	708.7087	-5.80	24.60	46.00	21.40
6	839.7898	-4.37	26.90	46.00	19.10

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

N/A

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 -----

9 APPENDIX PHOTOGRAPHS OF EUT

Please refer to the file of External Photo and Internal Photo.



10 APPENDIX PHOTOGRAPHS OF TEST SETUP

Please refer to the file of Test Setup Photo.

