

**Radiated Spurious Emission Measurement Result (below 1GHz)**
**(Band UNII-1 / Band UNII-2A, 802.11a mode)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Low	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	152.22	27.24	-5.00	22.24	43.50	-21.26	Peak	VERTICAL
2	300.63	27.13	-3.93	23.20	46.00	-22.80	Peak	VERTICAL
3	412.18	27.96	-1.84	26.12	46.00	-19.88	Peak	VERTICAL
4	513.06	30.16	-0.36	29.80	46.00	-16.20	Peak	VERTICAL
5	631.40	28.49	1.94	30.43	46.00	-15.57	Peak	VERTICAL
6	764.29	29.10	4.35	33.45	46.00	-12.55	Peak	VERTICAL
1	172.59	27.40	-5.27	22.13	43.50	-21.37	Peak	HORIZONTAL
2	280.26	27.21	-4.32	22.89	46.00	-23.11	Peak	HORIZONTAL
3	390.84	28.36	-2.18	26.18	46.00	-19.82	Peak	HORIZONTAL
4	579.99	29.30	1.05	30.35	46.00	-15.65	Peak	HORIZONTAL
5	741.01	28.01	3.77	31.78	46.00	-14.22	Peak	HORIZONTAL
6	861.29	29.12	5.45	34.57	46.00	-11.43	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	164.83	27.24	-4.87	22.37	43.50	-21.13	Peak	VERTICAL
2	284.14	27.32	-4.23	23.09	46.00	-22.91	Peak	VERTICAL
3	430.61	28.91	-1.43	27.48	46.00	-18.52	Peak	VERTICAL
4	520.82	29.48	-0.08	29.40	46.00	-16.60	Peak	VERTICAL
5	688.63	28.19	2.90	31.09	46.00	-14.91	Peak	VERTICAL
6	877.78	28.10	5.66	33.76	46.00	-12.24	Peak	VERTICAL
1	175.50	28.16	-5.64	22.52	43.50	-20.98	Peak	HORIZONTAL
2	305.48	26.96	-3.77	23.19	46.00	-22.81	Peak	HORIZONTAL
3	484.93	28.81	-0.79	28.02	46.00	-17.98	Peak	HORIZONTAL
4	520.82	33.50	-0.08	33.42	46.00	-12.58	Peak	HORIZONTAL
5	704.15	28.52	3.10	31.62	46.00	-14.38	Peak	HORIZONTAL
6	827.34	27.98	5.16	33.14	46.00	-12.86	Peak	HORIZONTAL

## Remark:

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH High	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	170.65	28.38	-5.10	23.28	43.50	-20.22	Peak	VERTICAL
2	335.55	27.06	-3.04	24.02	46.00	-21.98	Peak	VERTICAL
3	473.29	28.00	-0.89	27.11	46.00	-18.89	Peak	VERTICAL
4	550.89	28.80	0.43	29.23	46.00	-16.77	Peak	VERTICAL
5	715.79	28.32	3.16	31.48	46.00	-14.52	Peak	VERTICAL
6	825.40	27.83	5.19	33.02	46.00	-12.98	Peak	VERTICAL
1	133.79	29.21	-6.25	22.96	43.50	-20.54	Peak	HORIZONTAL
2	275.41	27.32	-4.53	22.79	46.00	-23.21	Peak	HORIZONTAL
3	427.70	28.15	-1.51	26.64	46.00	-19.36	Peak	HORIZONTAL
4	521.79	34.35	-0.04	34.31	46.00	-11.69	Peak	HORIZONTAL
5	658.56	28.52	2.40	30.92	46.00	-15.08	Peak	HORIZONTAL
6	784.66	28.99	4.41	33.40	46.00	-12.60	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (below 1GHz)

(Band UNII-1 / Band UNII-2A, 802.11n HT20 mode)

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Low	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	167.74	27.24	-4.95	22.29	43.50	-21.21	Peak	VERTICAL
2	293.84	26.75	-4.00	22.75	46.00	-23.25	Peak	VERTICAL
3	420.91	27.75	-1.68	26.07	46.00	-19.93	Peak	VERTICAL
4	520.82	33.71	-0.08	33.63	46.00	-12.37	Peak	VERTICAL
5	592.60	28.84	1.32	30.16	46.00	-15.84	Peak	VERTICAL
6	759.44	28.55	4.40	32.95	46.00	-13.05	Peak	VERTICAL
1	167.74	27.14	-4.95	22.19	43.50	-21.31	Peak	HORIZONTAL
2	298.69	26.63	-3.95	22.68	46.00	-23.32	Peak	HORIZONTAL
3	442.25	27.96	-1.23	26.73	46.00	-19.27	Peak	HORIZONTAL
4	520.82	30.82	-0.08	30.74	46.00	-15.26	Peak	HORIZONTAL
5	707.06	28.27	3.11	31.38	46.00	-14.62	Peak	HORIZONTAL
6	835.10	27.87	5.16	33.03	46.00	-12.97	Peak	HORIZONTAL

## Remark:

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	154.16	27.00	-5.04	21.96	43.50	-21.54	Peak	VERTICAL
2	267.65	27.89	-4.97	22.92	46.00	-23.08	Peak	VERTICAL
3	390.84	26.90	-2.18	24.72	46.00	-21.28	Peak	VERTICAL
4	520.82	34.41	-0.08	34.33	46.00	-11.67	Peak	VERTICAL
5	672.14	28.41	2.34	30.75	46.00	-15.25	Peak	VERTICAL
6	795.33	28.19	4.64	32.83	46.00	-13.17	Peak	VERTICAL
1	150.28	27.31	-5.05	22.26	43.50	-21.24	Peak	HORIZONTAL
2	284.14	27.59	-4.23	23.36	46.00	-22.64	Peak	HORIZONTAL
3	409.27	28.26	-1.88	26.38	46.00	-19.62	Peak	HORIZONTAL
4	521.79	34.01	-0.04	33.97	46.00	-12.03	Peak	HORIZONTAL
5	626.55	28.31	1.79	30.10	46.00	-15.90	Peak	HORIZONTAL
6	761.38	28.28	4.40	32.68	46.00	-13.32	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH High	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	162.89	27.51	-4.88	22.63	43.50	-20.87	Peak	VERTICAL
2	300.63	26.34	-3.93	22.41	46.00	-23.59	Peak	VERTICAL
3	426.73	28.07	-1.56	26.51	46.00	-19.49	Peak	VERTICAL
4	520.82	28.72	-0.08	28.64	46.00	-17.36	Peak	VERTICAL
5	609.09	28.65	1.78	30.43	46.00	-15.57	Peak	VERTICAL
6	838.01	27.96	5.17	33.13	46.00	-12.87	Peak	VERTICAL
1	154.16	27.77	-5.04	22.73	43.50	-20.77	Peak	HORIZONTAL
2	296.75	27.61	-3.96	23.65	46.00	-22.35	Peak	HORIZONTAL
3	456.80	27.90	-1.01	26.89	46.00	-19.11	Peak	HORIZONTAL
4	520.82	29.28	-0.08	29.20	46.00	-16.80	Peak	HORIZONTAL
5	706.09	28.29	3.10	31.39	46.00	-14.61	Peak	HORIZONTAL
6	844.80	27.67	5.20	32.87	46.00	-13.13	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (below 1GHz)

(Band UNII-1 / Band UNII-2A, 802.11n HT40 mode)

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Low	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	153.19	28.05	-5.06	22.99	43.50	-20.51	Peak	VERTICAL
2	287.05	26.56	-4.16	22.40	46.00	-23.60	Peak	VERTICAL
3	472.32	28.01	-0.90	27.11	46.00	-18.89	Peak	VERTICAL
4	572.23	28.28	0.93	29.21	46.00	-16.79	Peak	VERTICAL
5	685.72	28.16	2.77	30.93	46.00	-15.07	Peak	VERTICAL
6	795.33	28.32	4.64	32.96	46.00	-13.04	Peak	VERTICAL
1	167.74	27.13	-4.95	22.18	43.50	-21.32	Peak	HORIZONTAL
2	328.76	27.76	-3.18	24.58	46.00	-21.42	Peak	HORIZONTAL
3	452.92	28.47	-1.08	27.39	46.00	-18.61	Peak	HORIZONTAL
4	520.82	29.42	-0.08	29.34	46.00	-16.66	Peak	HORIZONTAL
5	686.69	28.62	2.82	31.44	46.00	-14.56	Peak	HORIZONTAL
6	821.52	28.66	5.04	33.70	46.00	-12.30	Peak	HORIZONTAL

## Remark:

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	159.98	27.17	-4.91	22.26	43.50	-21.24	Peak	VERTICAL
2	273.47	28.26	-4.64	23.62	46.00	-22.38	Peak	VERTICAL
3	432.55	28.44	-1.39	27.05	46.00	-18.95	Peak	VERTICAL
4	521.79	33.08	-0.04	33.04	46.00	-12.96	Peak	VERTICAL
5	623.64	29.47	1.75	31.22	46.00	-14.78	Peak	VERTICAL
6	822.49	28.15	5.09	33.24	46.00	-12.76	Peak	VERTICAL
1	142.52	28.25	-5.31	22.94	43.50	-20.56	Peak	HORIZONTAL
2	328.76	26.71	-3.18	23.53	46.00	-22.47	Peak	HORIZONTAL
3	440.31	29.25	-1.25	28.00	46.00	-18.00	Peak	HORIZONTAL
4	522.76	35.20	0.00	35.20	46.00	-10.80	Peak	HORIZONTAL
5	608.12	29.21	1.76	30.97	46.00	-15.03	Peak	HORIZONTAL
6	760.41	28.17	4.41	32.58	46.00	-13.42	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH High	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	158.04	27.10	-5.02	22.08	43.50	-21.42	Peak	VERTICAL
2	284.14	27.14	-4.23	22.91	46.00	-23.09	Peak	VERTICAL
3	399.57	27.60	-2.05	25.55	46.00	-20.45	Peak	VERTICAL
4	520.82	30.50	-0.08	30.42	46.00	-15.58	Peak	VERTICAL
5	659.53	28.04	2.44	30.48	46.00	-15.52	Peak	VERTICAL
6	818.61	28.41	4.91	33.32	46.00	-12.68	Peak	VERTICAL
1	169.68	27.54	-5.03	22.51	43.50	-20.99	Peak	HORIZONTAL
2	304.51	27.07	-3.80	23.27	46.00	-22.73	Peak	HORIZONTAL
3	453.89	27.70	-1.05	26.65	46.00	-19.35	Peak	HORIZONTAL
4	522.76	30.16	0.00	30.16	46.00	-15.84	Peak	HORIZONTAL
5	683.78	27.77	2.71	30.48	46.00	-15.52	Peak	HORIZONTAL
6	800.18	28.84	4.57	33.41	46.00	-12.59	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**
**(Band UNII-1 / Band UNII-2A, 802.11ac VHT80 mode)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Low	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	162.89	27.23	-4.88	22.35	43.50	-21.15	Peak	VERTICAL
2	289.96	27.01	-4.09	22.92	46.00	-23.08	Peak	VERTICAL
3	426.73	28.00	-1.56	26.44	46.00	-19.56	Peak	VERTICAL
4	522.76	32.95	0.00	32.95	46.00	-13.05	Peak	VERTICAL
5	613.94	29.47	1.74	31.21	46.00	-14.79	Peak	VERTICAL
6	819.58	29.04	4.96	34.00	46.00	-12.00	Peak	VERTICAL
1	161.92	28.02	-4.89	23.13	43.50	-20.37	Peak	HORIZONTAL
2	286.08	27.96	-4.19	23.77	46.00	-22.23	Peak	HORIZONTAL
3	433.52	28.09	-1.37	26.72	46.00	-19.28	Peak	HORIZONTAL
4	551.86	28.68	0.43	29.11	46.00	-16.89	Peak	HORIZONTAL
5	623.64	29.18	1.75	30.93	46.00	-15.07	Peak	HORIZONTAL
6	845.77	28.18	5.23	33.41	46.00	-12.59	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH High	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	155.13	28.02	-4.95	23.07	43.50	-20.43	Peak	VERTICAL
2	289.96	27.56	-4.09	23.47	46.00	-22.53	Peak	VERTICAL
3	437.40	27.68	-1.31	26.37	46.00	-19.63	Peak	VERTICAL
4	519.85	32.46	-0.12	32.34	46.00	-13.66	Peak	VERTICAL
5	700.27	28.88	3.08	31.96	46.00	-14.04	Peak	VERTICAL
6	850.62	27.80	5.34	33.14	46.00	-12.86	Peak	VERTICAL
1	170.65	27.43	-5.10	22.33	43.50	-21.17	Peak	HORIZONTAL
2	287.05	27.41	-4.16	23.25	46.00	-22.75	Peak	HORIZONTAL
3	429.64	28.57	-1.44	27.13	46.00	-18.87	Peak	HORIZONTAL
4	521.79	33.60	-0.04	33.56	46.00	-12.44	Peak	HORIZONTAL
5	677.96	29.59	2.54	32.13	46.00	-13.87	Peak	HORIZONTAL
6	805.03	29.04	4.60	33.64	46.00	-12.36	Peak	HORIZONTAL

## Remark:

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (below 1GHz)

## (Band UNII-2C, 802.11a mode)

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Low	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	159.01	27.46	-4.92	22.54	43.50	-20.96	Peak	VERTICAL
2	310.33	26.70	-3.70	23.00	46.00	-23.00	Peak	VERTICAL
3	445.16	27.79	-1.18	26.61	46.00	-19.39	Peak	VERTICAL
4	520.82	32.27	-0.08	32.19	46.00	-13.81	Peak	VERTICAL
5	682.81	28.37	2.69	31.06	46.00	-14.94	Peak	VERTICAL
6	745.86	34.51	3.89	38.40	46.00	-7.60	Peak	VERTICAL
1	159.98	27.34	-4.91	22.43	43.50	-21.07	Peak	HORIZONTAL
2	326.82	27.34	-3.29	24.05	46.00	-21.95	Peak	HORIZONTAL
3	412.18	28.20	-1.84	26.36	46.00	-19.64	Peak	HORIZONTAL
4	520.82	31.17	-0.08	31.09	46.00	-14.91	Peak	HORIZONTAL
5	677.96	28.28	2.54	30.82	46.00	-15.18	Peak	HORIZONTAL
6	746.83	35.77	3.91	39.68	46.00	-6.32	Peak	HORIZONTAL

## Remark:

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	141.55	27.40	-5.36	22.04	43.50	-21.46	Peak	VERTICAL
2	270.56	27.15	-4.84	22.31	46.00	-23.69	Peak	VERTICAL
3	428.67	28.05	-1.48	26.57	46.00	-19.43	Peak	VERTICAL
4	521.79	32.22	-0.04	32.18	46.00	-13.82	Peak	VERTICAL
5	668.26	28.48	2.29	30.77	46.00	-15.23	Peak	VERTICAL
6	746.83	30.47	3.91	34.38	46.00	-11.62	Peak	VERTICAL
1	160.95	27.60	-4.90	22.70	43.50	-20.80	Peak	HORIZONTAL
2	255.04	27.50	-5.54	21.96	46.00	-24.04	Peak	HORIZONTAL
3	396.66	27.94	-2.10	25.84	46.00	-20.16	Peak	HORIZONTAL
4	521.79	35.78	-0.04	35.74	46.00	-10.26	Peak	HORIZONTAL
5	648.86	28.02	2.11	30.13	46.00	-15.87	Peak	HORIZONTAL
6	745.86	34.29	3.89	38.18	46.00	-7.82	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH High	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	155.13	27.63	-4.95	22.68	43.50	-20.82	Peak	VERTICAL
2	357.86	27.81	-2.89	24.92	46.00	-21.08	Peak	VERTICAL
3	496.57	28.61	-0.69	27.92	46.00	-18.08	Peak	VERTICAL
4	608.12	29.02	1.76	30.78	46.00	-15.22	Peak	VERTICAL
5	746.83	28.67	3.91	32.58	46.00	-13.42	Peak	VERTICAL
6	896.21	27.95	6.07	34.02	46.00	-11.98	Peak	VERTICAL
1	157.07	27.49	-5.03	22.46	43.50	-21.04	Peak	HORIZONTAL
2	283.17	26.26	-4.26	22.00	46.00	-24.00	Peak	HORIZONTAL
3	391.81	27.49	-2.16	25.33	46.00	-20.67	Peak	HORIZONTAL
4	521.79	32.93	-0.04	32.89	46.00	-13.11	Peak	HORIZONTAL
5	658.56	28.92	2.40	31.32	46.00	-14.68	Peak	HORIZONTAL
6	746.83	29.75	3.91	33.66	46.00	-12.34	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**  
**(Band UNII-2C, 802.11n HT20 mode)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Low	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	165.80	27.75	-4.94	22.81	43.50	-20.69	Peak	VERTICAL
2	297.72	26.81	-3.96	22.85	46.00	-23.15	Peak	VERTICAL
3	437.40	28.05	-1.31	26.74	46.00	-19.26	Peak	VERTICAL
4	520.82	30.30	-0.08	30.22	46.00	-15.78	Peak	VERTICAL
5	701.24	27.85	3.08	30.93	46.00	-15.07	Peak	VERTICAL
6	828.31	28.09	5.14	33.23	46.00	-12.77	Peak	VERTICAL
1	173.56	27.44	-5.42	22.02	43.50	-21.48	Peak	HORIZONTAL
2	282.20	27.93	-4.28	23.65	46.00	-22.35	Peak	HORIZONTAL
3	453.89	28.49	-1.05	27.44	46.00	-18.56	Peak	HORIZONTAL
4	520.82	32.77	-0.08	32.69	46.00	-13.31	Peak	HORIZONTAL
5	608.12	29.02	1.76	30.78	46.00	-15.22	Peak	HORIZONTAL
6	761.38	28.87	4.40	33.27	46.00	-12.73	Peak	HORIZONTAL

Remark:

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	162.89	28.77	-4.88	23.89	43.50	-19.61	Peak	VERTICAL
2	283.17	26.89	-4.26	22.63	46.00	-23.37	Peak	VERTICAL
3	465.53	28.19	-0.94	27.25	46.00	-18.75	Peak	VERTICAL
4	522.76	30.23	0.00	30.23	46.00	-15.77	Peak	VERTICAL
5	732.28	29.52	3.61	33.13	46.00	-12.87	Peak	VERTICAL
6	803.09	30.34	4.59	34.93	46.00	-11.07	Peak	VERTICAL
1	156.10	27.83	-5.04	22.79	43.50	-20.71	Peak	HORIZONTAL
2	335.55	26.94	-3.04	23.90	46.00	-22.10	Peak	HORIZONTAL
3	436.43	28.31	-1.32	26.99	46.00	-19.01	Peak	HORIZONTAL
4	520.82	29.76	-0.08	29.68	46.00	-16.32	Peak	HORIZONTAL
5	729.37	36.33	3.57	39.90	46.00	-6.10	Peak	HORIZONTAL
6	857.41	27.80	5.47	33.27	46.00	-12.73	Peak	HORIZONTAL

## Remark:

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH High	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	148.34	28.21	-5.00	23.21	43.50	-20.29	Peak	VERTICAL
2	291.90	26.57	-4.04	22.53	46.00	-23.47	Peak	VERTICAL
3	419.94	27.94	-1.71	26.23	46.00	-19.77	Peak	VERTICAL
4	522.76	35.65	0.00	35.65	46.00	-10.35	Peak	VERTICAL
5	646.92	28.35	2.06	30.41	46.00	-15.59	Peak	VERTICAL
6	754.59	28.19	4.18	32.37	46.00	-13.63	Peak	VERTICAL
1	165.80	27.64	-4.94	22.70	43.50	-20.80	Peak	HORIZONTAL
2	268.62	28.27	-4.94	23.33	46.00	-22.67	Peak	HORIZONTAL
3	400.54	28.52	-2.03	26.49	46.00	-19.51	Peak	HORIZONTAL
4	521.79	32.81	-0.04	32.77	46.00	-13.23	Peak	HORIZONTAL
5	661.47	28.18	2.41	30.59	46.00	-15.41	Peak	HORIZONTAL
6	836.07	28.70	5.16	33.86	46.00	-12.14	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**  
**(Band UNII-2C, 802.11n HT40 mode)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Low	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	167.74	27.67	-4.95	22.72	43.50	-20.78	Peak	VERTICAL
2	310.33	26.56	-3.70	22.86	46.00	-23.14	Peak	VERTICAL
3	437.40	28.19	-1.31	26.88	46.00	-19.12	Peak	VERTICAL
4	515.00	29.03	-0.31	28.72	46.00	-17.28	Peak	VERTICAL
5	752.65	28.57	4.10	32.67	46.00	-13.33	Peak	VERTICAL
6	897.18	27.94	6.10	34.04	46.00	-11.96	Peak	VERTICAL
1	165.80	27.23	-4.94	22.29	43.50	-21.21	Peak	HORIZONTAL
2	277.35	27.76	-4.45	23.31	46.00	-22.69	Peak	HORIZONTAL
3	440.31	27.49	-1.25	26.24	46.00	-19.76	Peak	HORIZONTAL
4	520.82	32.49	-0.08	32.41	46.00	-13.59	Peak	HORIZONTAL
5	688.63	29.48	2.90	32.38	46.00	-13.62	Peak	HORIZONTAL
6	793.39	28.67	4.65	33.32	46.00	-12.68	Peak	HORIZONTAL

Remark:

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	159.01	26.92	-4.92	22.00	43.50	-21.50	Peak	VERTICAL
2	318.09	27.51	-3.59	23.92	46.00	-22.08	Peak	VERTICAL
3	452.92	28.80	-1.08	27.72	46.00	-18.28	Peak	VERTICAL
4	522.76	31.47	0.00	31.47	46.00	-14.53	Peak	VERTICAL
5	681.84	28.52	2.67	31.19	46.00	-14.81	Peak	VERTICAL
6	817.64	28.48	4.87	33.35	46.00	-12.65	Peak	VERTICAL
1	140.58	28.12	-5.41	22.71	43.50	-20.79	Peak	HORIZONTAL
2	327.79	26.74	-3.23	23.51	46.00	-22.49	Peak	HORIZONTAL
3	479.11	27.79	-0.80	26.99	46.00	-19.01	Peak	HORIZONTAL
4	590.66	28.47	1.27	29.74	46.00	-16.26	Peak	HORIZONTAL
5	732.28	30.63	3.61	34.24	46.00	-11.76	Peak	HORIZONTAL
6	895.24	28.13	6.05	34.18	46.00	-11.82	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH High	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	171.62	27.03	-5.17	21.86	43.50	-21.64	Peak	VERTICAL
2	334.58	27.01	-3.04	23.97	46.00	-22.03	Peak	VERTICAL
3	448.07	28.66	-1.18	27.48	46.00	-18.52	Peak	VERTICAL
4	521.79	36.54	-0.04	36.50	46.00	-9.50	Peak	VERTICAL
5	686.69	28.25	2.82	31.07	46.00	-14.93	Peak	VERTICAL
6	787.57	28.56	4.53	33.09	46.00	-12.91	Peak	VERTICAL
1	167.74	27.16	-4.95	22.21	43.50	-21.29	Peak	HORIZONTAL
2	345.25	27.76	-2.99	24.77	46.00	-21.23	Peak	HORIZONTAL
3	492.69	28.88	-0.76	28.12	46.00	-17.88	Peak	HORIZONTAL
4	618.79	28.07	1.73	29.80	46.00	-16.20	Peak	HORIZONTAL
5	799.21	28.01	4.59	32.60	46.00	-13.40	Peak	HORIZONTAL
6	926.28	27.88	6.85	34.73	46.00	-11.27	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**
**(Band UNII-2C, 802.11ac VHT80 mode)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Low	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	145.43	27.35	-5.13	22.22	43.50	-21.28	Peak	VERTICAL
2	289.96	26.79	-4.09	22.70	46.00	-23.30	Peak	VERTICAL
3	375.32	28.12	-2.42	25.70	46.00	-20.30	Peak	VERTICAL
4	521.79	32.90	-0.04	32.86	46.00	-13.14	Peak	VERTICAL
5	607.15	28.49	1.74	30.23	46.00	-15.77	Peak	VERTICAL
6	786.60	28.15	4.48	32.63	46.00	-13.37	Peak	VERTICAL
1	158.04	27.21	-5.02	22.19	43.50	-21.31	Peak	HORIZONTAL
2	307.42	26.64	-3.75	22.89	46.00	-23.11	Peak	HORIZONTAL
3	423.82	27.04	-1.64	25.40	46.00	-20.60	Peak	HORIZONTAL
4	522.76	34.95	0.00	34.95	46.00	-11.05	Peak	HORIZONTAL
5	645.95	28.84	2.04	30.88	46.00	-15.12	Peak	HORIZONTAL
6	818.61	28.47	4.91	33.38	46.00	-12.62	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH High	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	165.80	27.42	-4.94	22.48	43.50	-21.02	Peak	VERTICAL
2	301.60	26.73	-3.89	22.84	46.00	-23.16	Peak	VERTICAL
3	407.33	27.50	-1.91	25.59	46.00	-20.41	Peak	VERTICAL
4	489.78	32.41	-0.80	31.61	46.00	-14.39	Peak	VERTICAL
5	649.83	28.59	2.13	30.72	46.00	-15.28	Peak	VERTICAL
6	759.44	28.90	4.40	33.30	46.00	-12.70	Peak	VERTICAL
1	146.40	27.41	-5.12	22.29	43.50	-21.21	Peak	HORIZONTAL
2	308.39	26.27	-3.72	22.55	46.00	-23.45	Peak	HORIZONTAL
3	421.88	28.20	-1.67	26.53	46.00	-19.47	Peak	HORIZONTAL
4	520.82	31.46	-0.08	31.38	46.00	-14.62	Peak	HORIZONTAL
5	667.29	29.53	2.29	31.82	46.00	-14.18	Peak	HORIZONTAL
6	831.22	27.80	5.13	32.93	46.00	-13.07	Peak	HORIZONTAL

## Remark:

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**
**(Band UNII-3, 802.11a mode)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Low	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	163.86	27.08	-4.88	22.20	43.50	-21.30	Peak	VERTICAL
2	287.05	27.60	-4.16	23.44	46.00	-22.56	Peak	VERTICAL
3	453.89	27.72	-1.05	26.67	46.00	-19.33	Peak	VERTICAL
4	518.88	31.89	-0.15	31.74	46.00	-14.26	Peak	VERTICAL
5	685.72	28.77	2.77	31.54	46.00	-14.46	Peak	VERTICAL
6	851.59	28.31	5.37	33.68	46.00	-12.32	Peak	VERTICAL
1	159.98	27.20	-4.91	22.29	43.50	-21.21	Peak	HORIZONTAL
2	303.54	26.46	-3.83	22.63	46.00	-23.37	Peak	HORIZONTAL
3	416.06	28.51	-1.78	26.73	46.00	-19.27	Peak	HORIZONTAL
4	520.82	31.84	-0.08	31.76	46.00	-14.24	Peak	HORIZONTAL
5	666.32	28.32	2.28	30.60	46.00	-15.40	Peak	HORIZONTAL
6	781.75	28.76	4.41	33.17	46.00	-12.83	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	145.43	27.04	-5.13	21.91	43.50	-21.59	Peak	VERTICAL
2	312.27	28.28	-3.67	24.61	46.00	-21.39	Peak	VERTICAL
3	437.40	27.85	-1.31	26.54	46.00	-19.46	Peak	VERTICAL
4	520.82	35.41	-0.08	35.33	46.00	-10.67	Peak	VERTICAL
5	694.45	28.39	2.96	31.35	46.00	-14.65	Peak	VERTICAL
6	828.31	28.41	5.14	33.55	46.00	-12.45	Peak	VERTICAL
1	159.01	26.94	-4.92	22.02	43.50	-21.48	Peak	HORIZONTAL
2	290.93	26.47	-4.06	22.41	46.00	-23.59	Peak	HORIZONTAL
3	442.25	27.97	-1.23	26.74	46.00	-19.26	Peak	HORIZONTAL
4	520.82	35.63	-0.08	35.55	46.00	-10.45	Peak	HORIZONTAL
5	711.91	27.91	3.13	31.04	46.00	-14.96	Peak	HORIZONTAL
6	871.96	27.94	5.57	33.51	46.00	-12.49	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH High	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	167.74	27.32	-4.95	22.37	43.50	-21.13	Peak	VERTICAL
2	271.53	27.46	-4.78	22.68	46.00	-23.32	Peak	VERTICAL
3	423.82	28.08	-1.64	26.44	46.00	-19.56	Peak	VERTICAL
4	513.06	30.67	-0.36	30.31	46.00	-15.69	Peak	VERTICAL
5	646.92	28.57	2.06	30.63	46.00	-15.37	Peak	VERTICAL
6	789.51	27.68	4.61	32.29	46.00	-13.71	Peak	VERTICAL
1	170.65	27.32	-5.10	22.22	43.50	-21.28	Peak	HORIZONTAL
2	301.60	26.14	-3.89	22.25	46.00	-23.75	Peak	HORIZONTAL
3	409.27	27.81	-1.88	25.93	46.00	-20.07	Peak	HORIZONTAL
4	522.76	30.88	0.00	30.88	46.00	-15.12	Peak	HORIZONTAL
5	666.32	28.12	2.28	30.40	46.00	-15.60	Peak	HORIZONTAL
6	766.23	28.51	4.33	32.84	46.00	-13.16	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (below 1GHz)

## (Band UNII-3, 802.11n HT20 mode)

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Low	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	142.52	29.00	-5.31	23.69	43.50	-19.81	Peak	VERTICAL
2	271.53	26.72	-4.78	21.94	46.00	-24.06	Peak	VERTICAL
3	390.84	27.10	-2.18	24.92	46.00	-21.08	Peak	VERTICAL
4	447.10	29.85	-1.19	28.66	46.00	-17.34	Peak	VERTICAL
5	522.76	30.47	0.00	30.47	46.00	-15.53	Peak	VERTICAL
6	755.56	28.96	4.22	33.18	46.00	-12.82	Peak	VERTICAL
1	148.34	27.02	-5.00	22.02	43.50	-21.48	Peak	HORIZONTAL
2	296.75	27.23	-3.96	23.27	46.00	-22.73	Peak	HORIZONTAL
3	433.52	27.91	-1.37	26.54	46.00	-19.46	Peak	HORIZONTAL
4	515.00	31.01	-0.31	30.70	46.00	-15.30	Peak	HORIZONTAL
5	671.17	29.65	2.32	31.97	46.00	-14.03	Peak	HORIZONTAL
6	830.25	28.45	5.13	33.58	46.00	-12.42	Peak	HORIZONTAL

## Remark:

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	151.25	27.40	-4.98	22.42	43.50	-21.08	Peak	VERTICAL
2	294.81	26.93	-3.97	22.96	46.00	-23.04	Peak	VERTICAL
3	412.18	28.28	-1.84	26.44	46.00	-19.56	Peak	VERTICAL
4	521.79	35.09	-0.04	35.05	46.00	-10.95	Peak	VERTICAL
5	702.21	28.58	3.08	31.66	46.00	-14.34	Peak	VERTICAL
6	855.47	28.07	5.45	33.52	46.00	-12.48	Peak	VERTICAL
1	166.77	28.56	-4.95	23.61	43.50	-19.89	Peak	HORIZONTAL
2	311.30	27.15	-3.68	23.47	46.00	-22.53	Peak	HORIZONTAL
3	445.16	28.67	-1.18	27.49	46.00	-18.51	Peak	HORIZONTAL
4	518.88	32.40	-0.15	32.25	46.00	-13.75	Peak	HORIZONTAL
5	705.12	28.20	3.10	31.30	46.00	-14.70	Peak	HORIZONTAL
6	895.24	28.56	6.05	34.61	46.00	-11.39	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH High	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	156.10	27.41	-5.04	22.37	43.50	-21.13	Peak	VERTICAL
2	261.83	27.85	-5.24	22.61	46.00	-23.39	Peak	VERTICAL
3	394.72	28.62	-2.12	26.50	46.00	-19.50	Peak	VERTICAL
4	520.82	33.09	-0.08	33.01	46.00	-12.99	Peak	VERTICAL
5	699.30	29.55	3.07	32.62	46.00	-13.38	Peak	VERTICAL
6	846.74	28.69	5.24	33.93	46.00	-12.07	Peak	VERTICAL
1	172.59	27.58	-5.27	22.31	43.50	-21.19	Peak	HORIZONTAL
2	271.53	26.50	-4.78	21.72	46.00	-24.28	Peak	HORIZONTAL
3	368.53	28.81	-2.56	26.25	46.00	-19.75	Peak	HORIZONTAL
4	489.78	32.43	-0.80	31.63	46.00	-14.37	Peak	HORIZONTAL
5	521.79	35.40	-0.04	35.36	46.00	-10.64	Peak	HORIZONTAL
6	696.39	28.41	3.00	31.41	46.00	-14.59	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**
**(Band UNII-3, 802.11n HT40 mode)**

Operation Mode	TX MODE	Test Date	2020/11/10
Channel Number	CH Low	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	138.64	28.30	-5.63	22.67	43.50	-20.83	Peak	VERTICAL
2	280.26	27.37	-4.32	23.05	46.00	-22.95	Peak	VERTICAL
3	396.66	28.10	-2.10	26.00	46.00	-20.00	Peak	VERTICAL
4	477.17	28.65	-0.83	27.82	46.00	-18.18	Peak	VERTICAL
5	522.76	41.41	0.00	41.41	46.00	-4.59	Peak	VERTICAL
6	713.85	28.34	3.14	31.48	46.00	-14.52	Peak	VERTICAL
1	160.95	28.01	-4.90	23.11	43.50	-20.39	Peak	HORIZONTAL
2	301.60	27.49	-3.89	23.60	46.00	-22.40	Peak	HORIZONTAL
3	431.58	27.98	-1.40	26.58	46.00	-19.42	Peak	HORIZONTAL
4	516.94	32.19	-0.23	31.96	46.00	-14.04	Peak	HORIZONTAL
5	705.12	28.50	3.10	31.60	46.00	-14.40	Peak	HORIZONTAL
6	884.57	28.12	5.87	33.99	46.00	-12.01	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (below 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	146.40	27.76	-5.12	22.64	43.50	-20.86	Peak	VERTICAL
2	291.90	26.83	-4.04	22.79	46.00	-23.21	Peak	VERTICAL
3	389.87	28.43	-2.19	26.24	46.00	-19.76	Peak	VERTICAL
4	513.06	30.10	-0.36	29.74	46.00	-16.26	Peak	VERTICAL
5	656.62	28.99	2.31	31.30	46.00	-14.70	Peak	VERTICAL
6	756.53	29.05	4.27	33.32	46.00	-12.68	Peak	VERTICAL
1	155.13	27.82	-4.95	22.87	43.50	-20.63	Peak	HORIZONTAL
2	318.09	26.95	-3.59	23.36	46.00	-22.64	Peak	HORIZONTAL
3	463.59	28.61	-0.96	27.65	46.00	-18.35	Peak	HORIZONTAL
4	515.00	32.18	-0.31	31.87	46.00	-14.13	Peak	HORIZONTAL
5	685.72	28.82	2.77	31.59	46.00	-14.41	Peak	HORIZONTAL
6	838.01	29.32	5.17	34.49	46.00	-11.51	Peak	HORIZONTAL

## Remark:

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (below 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH High	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	154.16	27.49	-5.04	22.45	43.50	-21.05	Peak	VERTICAL
2	316.15	27.11	-3.62	23.49	46.00	-22.51	Peak	VERTICAL
3	482.99	28.33	-0.79	27.54	46.00	-18.46	Peak	VERTICAL
4	522.76	30.52	0.00	30.52	46.00	-15.48	Peak	VERTICAL
5	661.47	28.61	2.41	31.02	46.00	-14.98	Peak	VERTICAL
6	820.55	27.78	5.00	32.78	46.00	-13.22	Peak	VERTICAL
1	174.53	28.18	-5.54	22.64	43.50	-20.86	Peak	HORIZONTAL
2	313.24	27.22	-3.67	23.55	46.00	-22.45	Peak	HORIZONTAL
3	454.86	28.06	-1.02	27.04	46.00	-18.96	Peak	HORIZONTAL
4	520.82	30.26	-0.08	30.18	46.00	-15.82	Peak	HORIZONTAL
5	686.69	29.24	2.82	32.06	46.00	-13.94	Peak	HORIZONTAL
6	842.86	28.85	5.19	34.04	46.00	-11.96	Peak	HORIZONTAL

**Remark:**

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (below 1GHz)

## (Band UNII-3, 802.11ac VHT80 mode)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	148.34	27.91	-5.00	22.91	43.50	-20.59	Peak	VERTICAL
2	313.24	27.22	-3.67	23.55	46.00	-22.45	Peak	VERTICAL
3	490.75	32.70	-0.79	31.91	46.00	-14.09	Peak	VERTICAL
4	607.15	28.34	1.74	30.08	46.00	-15.92	Peak	VERTICAL
5	679.90	28.80	2.62	31.42	46.00	-14.58	Peak	VERTICAL
6	808.91	28.38	4.62	33.00	46.00	-13.00	Peak	VERTICAL
1	157.07	27.41	-5.03	22.38	43.50	-21.12	Peak	HORIZONTAL
2	317.12	26.84	-3.61	23.23	46.00	-22.77	Peak	HORIZONTAL
3	448.07	28.35	-1.18	27.17	46.00	-18.83	Peak	HORIZONTAL
4	520.82	30.88	-0.08	30.80	46.00	-15.20	Peak	HORIZONTAL
5	706.09	28.80	3.10	31.90	46.00	-14.10	Peak	HORIZONTAL
6	827.34	28.31	5.16	33.47	46.00	-12.53	Peak	HORIZONTAL

## Remark:

- 1 The measured emissions between 9kHz to 30MHz are 20dB lower against the limit, so the result is not recorded in the report.
- 2 Measuring frequencies from the lowest internal frequency to the 1GHz.
- 3 Radiated emissions measured in frequency range from 9kHz to 1000MHz were made with an instrument detector setting 9-90kHz/110-490kHz using PK/AV and other Frequency Band using PK/QP
- 4 Measurement result within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**
**(Band UNII-1 / Band UNII-2A, 802.11a mode)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10360.00	42.97	4.08	47.05	68.20	-21.15	Peak	VERTICAL
2	15705.00	45.68	6.52	52.20	74.00	-21.80	Peak	VERTICAL
1	10360.00	43.47	4.08	47.55	68.20	-20.65	Peak	HORIZONTAL
2	15365.00	44.24	7.26	51.50	74.00	-22.50	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10520.00	43.14	4.51	47.65	68.20	-20.55	Peak	VERTICAL
2	15450.00	44.31	7.28	51.59	74.00	-22.41	Peak	VERTICAL
1	10520.00	42.46	4.51	46.97	68.20	-21.23	Peak	HORIZONTAL
2	15297.00	44.32	7.22	51.54	68.20	-16.66	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH High	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10640.00	42.10	4.78	46.88	74.00	-27.12	Peak	VERTICAL
2	15518.00	44.31	7.13	51.44	74.00	-22.56	Peak	VERTICAL
1	10640.00	41.79	4.78	46.57	74.00	-27.43	Peak	HORIZONTAL
2	15688.00	45.80	6.52	52.32	74.00	-21.68	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**
**(Band UNII-1 / Band UNII-2A, 802.11n HT20 mode)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10360.00	43.84	4.08	47.92	68.20	-20.28	Peak	VERTICAL
2	15688.00	45.80	6.52	52.32	74.00	-21.68	Peak	VERTICAL
1	10360.00	44.28	4.08	48.36	68.20	-19.84	Peak	HORIZONTAL
2	15552.00	44.81	6.88	51.69	74.00	-22.31	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10520.00	43.03	4.51	47.54	68.20	-20.66	Peak	VERTICAL
2	15348.00	44.80	7.25	52.05	68.20	-16.15	Peak	VERTICAL
1	10520.00	42.61	4.51	47.12	68.20	-21.08	Peak	HORIZONTAL
2	15535.00	44.79	7.02	51.81	74.00	-22.19	Peak	HORIZONTAL

## Remark:

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH High	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10640.00	40.99	4.78	45.77	74.00	-28.23	Peak	VERTICAL
2	15688.00	45.15	6.52	51.67	74.00	-22.33	Peak	VERTICAL
1	10640.00	41.26	4.78	46.04	74.00	-27.96	Peak	HORIZONTAL
2	15552.00	44.86	6.88	51.74	74.00	-22.26	Peak	HORIZONTAL

## Remark:

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**
**(Band UNII-1 / Band UNII-2A, 802.11n HT40 mode)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10380.00	43.70	4.17	47.87	68.20	-20.33	Peak	VERTICAL
2	15501.00	44.40	7.25	51.65	74.00	-22.35	Peak	VERTICAL
1	10380.00	42.99	4.17	47.16	68.20	-21.04	Peak	HORIZONTAL
2	15552.00	44.83	6.88	51.71	74.00	-22.29	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10500.00	42.16	4.46	46.62	68.20	-21.58	Peak	VERTICAL
2	15484.00	44.28	7.27	51.55	74.00	-22.45	Peak	VERTICAL
1	10500.00	42.77	4.46	47.23	68.20	-20.97	Peak	HORIZONTAL
2	15535.00	44.15	7.02	51.17	74.00	-22.83	Peak	HORIZONTAL

## Remark:

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH High	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10620.00	41.09	4.75	45.84	74.00	-28.16	Peak	VERTICAL
2	15518.00	44.39	7.13	51.52	74.00	-22.48	Peak	VERTICAL
1	10620.00	40.80	4.75	45.55	74.00	-28.45	Peak	HORIZONTAL
2	15484.00	44.13	7.27	51.40	74.00	-22.60	Peak	HORIZONTAL

## Remark:

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**
**(Band UNII-1 / Band UNII-2A, 802.11ac VHT80 mode)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10420.00	42.44	4.29	46.73	68.20	-21.47	Peak	VERTICAL
2	15518.00	43.98	7.13	51.11	74.00	-22.89	Peak	VERTICAL
1	10420.00	42.57	4.29	46.86	68.20	-21.34	Peak	HORIZONTAL
2	15552.00	44.59	6.88	51.47	74.00	-22.53	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH High	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10580.00	41.45	4.67	46.12	68.20	-22.08	Peak	VERTICAL
2	15518.00	44.39	7.13	51.52	74.00	-22.48	Peak	VERTICAL
1	10580.00	39.81	4.67	44.48	68.20	-23.72	Peak	HORIZONTAL
2	15569.00	44.18	6.76	50.94	74.00	-23.06	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**
**(Band UNII-2C, 802.11a mode)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11000.00	42.10	5.14	47.24	74.00	-26.76	Peak	VERTICAL
2	15705.00	45.82	6.52	52.34	74.00	-21.66	Peak	VERTICAL
1	11000.00	41.76	5.14	46.90	74.00	-27.10	Peak	HORIZONTAL
2	15739.00	44.89	6.50	51.39	74.00	-22.61	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11160.00	43.03	5.30	48.33	74.00	-25.67	Peak	VERTICAL
2	15705.00	44.70	6.52	51.22	74.00	-22.78	Peak	VERTICAL
1	11160.00	43.37	5.30	48.67	74.00	-25.33	Peak	HORIZONTAL
2	15671.00	44.99	6.52	51.51	74.00	-22.49	Peak	HORIZONTAL

## Remark:

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH High	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11400.00	43.39	5.80	49.19	74.00	-24.81	Peak	VERTICAL
2	15518.00	44.68	7.13	51.81	74.00	-22.19	Peak	VERTICAL
1	11400.00	45.68	5.80	51.48	74.00	-22.52	Peak	HORIZONTAL
2	15178.00	44.23	7.52	51.75	68.20	-16.45	Peak	HORIZONTAL

## Remark:

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**  
**(Band UNII-2C, 802.11n HT20 mode)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11000.00	42.28	5.14	47.42	74.00	-26.58	Peak	VERTICAL
2	15688.00	44.97	6.52	51.49	74.00	-22.51	Peak	VERTICAL
1	11000.00	42.26	5.14	47.40	74.00	-26.60	Peak	HORIZONTAL
2	15535.00	44.05	7.02	51.07	74.00	-22.93	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11160.00	42.52	5.30	47.82	74.00	-26.18	Peak	VERTICAL
2	15671.00	45.08	6.52	51.60	74.00	-22.40	Peak	VERTICAL
1	11160.00	42.40	5.30	47.70	74.00	-26.30	Peak	HORIZONTAL
2	15671.00	44.77	6.52	51.29	74.00	-22.71	Peak	HORIZONTAL

## Remark:

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH High	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11400.00	44.88	5.80	50.68	74.00	-23.32	Peak	VERTICAL
2	15603.00	44.78	6.54	51.32	74.00	-22.68	Peak	VERTICAL
1	11400.00	44.29	5.80	50.09	74.00	-23.91	Peak	HORIZONTAL
2	15552.00	44.19	6.88	51.07	74.00	-22.93	Peak	HORIZONTAL

## Remark:

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**  
**(Band UNII-2C, 802.11n HT40 mode)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11020.00	42.41	5.15	47.56	74.00	-26.44	Peak	VERTICAL
2	15297.00	44.36	7.22	51.58	68.20	-16.62	Peak	VERTICAL
1	11020.00	42.16	5.15	47.31	74.00	-26.69	Peak	HORIZONTAL
2	15518.00	44.42	7.13	51.55	74.00	-22.45	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11140.00	42.04	5.27	47.31	74.00	-26.69	Peak	VERTICAL
2	15161.00	44.23	7.57	51.80	68.20	-16.40	Peak	VERTICAL
1	11140.00	41.69	5.27	46.96	74.00	-27.04	Peak	HORIZONTAL
2	15569.00	44.75	6.76	51.51	74.00	-22.49	Peak	HORIZONTAL

## Remark:

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH High	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11380.00	43.94	5.76	49.70	74.00	-24.30	Peak	VERTICAL
2	15688.00	45.37	6.52	51.89	74.00	-22.11	Peak	VERTICAL
1	11380.00	42.97	5.76	48.73	74.00	-25.27	Peak	HORIZONTAL
2	15688.00	44.64	6.52	51.16	74.00	-22.84	Peak	HORIZONTAL

## Remark:

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**
**(Band UNII-2C, 802.11ac VHT80 mode)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11060.00	41.21	5.18	46.39	74.00	-27.61	Peak	VERTICAL
2	15552.00	44.48	6.88	51.36	74.00	-22.64	Peak	VERTICAL
1	11060.00	40.81	5.18	45.99	74.00	-28.01	Peak	HORIZONTAL
2	15552.00	44.32	6.88	51.20	74.00	-22.80	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**
**(Band UNII-3, 802.11a mode)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11490.00	44.19	6.04	50.23	74.00	-23.77	Peak	VERTICAL
2	15501.00	44.48	7.25	51.73	74.00	-22.27	Peak	VERTICAL
1	11490.00	43.86	6.04	49.90	74.00	-24.10	Peak	HORIZONTAL
2	15518.00	44.47	7.13	51.60	74.00	-22.40	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

## Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11570.00	42.10	6.17	48.27	74.00	-25.73	Peak	VERTICAL
2	15348.00	44.28	7.25	51.53	68.20	-16.67	Peak	VERTICAL
1	11570.00	43.11	6.17	49.28	74.00	-24.72	Peak	HORIZONTAL
2	15688.00	45.38	6.52	51.90	74.00	-22.10	Peak	HORIZONTAL

## Remark:

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH High	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11650.00	43.39	6.30	49.69	74.00	-24.31	Peak	VERTICAL
2	15314.00	44.69	7.23	51.92	68.20	-16.28	Peak	VERTICAL
1	11650.00	44.33	6.30	50.63	74.00	-23.37	Peak	HORIZONTAL
2	15739.00	45.02	6.50	51.52	74.00	-22.48	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**
**(Band UNII-3, 802.11n HT20 mode)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11490.00	43.26	6.04	49.30	74.00	-24.70	Peak	VERTICAL
2	15450.00	44.90	7.28	52.18	74.00	-21.82	Peak	VERTICAL
1	11490.00	43.84	6.04	49.88	74.00	-24.12	Peak	HORIZONTAL
2	15705.00	45.02	6.52	51.54	74.00	-22.46	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11570.00	43.29	6.17	49.46	74.00	-24.54	Peak	VERTICAL
2	15552.00	45.00	6.88	51.88	74.00	-22.12	Peak	VERTICAL
1	11570.00	43.43	6.17	49.60	74.00	-24.40	Peak	HORIZONTAL
2	15467.00	44.17	7.27	51.44	74.00	-22.56	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH High	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11650.00	42.85	6.30	49.15	74.00	-24.85	Peak	VERTICAL
2	15467.00	43.89	7.27	51.16	74.00	-22.84	Peak	VERTICAL
1	11650.00	42.91	6.30	49.21	74.00	-24.79	Peak	HORIZONTAL
2	15314.00	44.48	7.23	51.71	68.20	-16.49	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**
**(Band UNII-3, 802.11n HT40 mode)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11510.00	44.11	6.08	50.19	74.00	-23.81	Peak	VERTICAL
2	15620.00	44.57	6.54	51.11	74.00	-22.89	Peak	VERTICAL
1	11510.00	43.56	6.08	49.64	74.00	-24.36	Peak	HORIZONTAL
2	15365.00	44.29	7.26	51.55	74.00	-22.45	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Mid	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11550.00	43.31	6.14	49.45	74.00	-24.55	Peak	VERTICAL
2	15637.00	44.81	6.52	51.33	74.00	-22.67	Peak	VERTICAL
1	11550.00	43.76	6.14	49.90	74.00	-24.10	Peak	HORIZONTAL
2	15739.00	45.16	6.50	51.66	74.00	-22.34	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH High	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11630.00	42.91	6.27	49.18	74.00	-24.82	Peak	VERTICAL
2	15552.00	44.53	6.88	51.41	74.00	-22.59	Peak	VERTICAL
1	11630.00	43.39	6.27	49.66	74.00	-24.34	Peak	HORIZONTAL
2	15518.00	45.44	7.13	52.57	74.00	-21.43	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Radiated Spurious Emission Measurement Result (above 1GHz)**
**(Band UNII-3, 802.11ac VHT80 mode)**

Operation Mode	TX MODE	Test Date	2020/11/09
Channel Number	CH Low	Test By	Weitin
Temperature	25	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11550.00	43.46	6.14	49.60	74.00	-24.40	Peak	VERTICAL
2	15297.00	44.49	7.22	51.71	68.20	-16.49	Peak	VERTICAL
1	11550.00	43.22	6.14	49.36	74.00	-24.64	Peak	HORIZONTAL
2	15314.00	44.29	7.23	51.52	68.20	-16.68	Peak	HORIZONTAL

**Remark:**

- 1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

**Band Edges test (Band UNII-1 / Band UNII-2A, 802.11a mode) -Radiated**

Operation Mode	TX CH Low	Test Date	2020/11/10
Channel Number	5180 MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5150.00	62.84	-7.09	55.75	68.20	-12.45	Peak	VERTICAL
1	5150.00	69.97	-7.09	62.88	68.20	-5.32	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2020/11/10
Channel Number	5320MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5350.00	66.55	-5.80	60.75	68.20	-7.45	Peak	VERTICAL
1	5350.00	63.12	-5.80	57.32	68.20	-10.88	Peak	HORIZONTAL

**Remark:**

- 1 Measuring frequencies from the lowest internal frequency to the 10th of fundamental frequency
- 2 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 3 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4 Spectrum Peak mode IF bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, Sweep time= 200 ms., the VBW setting was 3 MHz.
- 5 Spectrum AV mode if bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 1kHz, Sweep time= 200 ms.

**Band Edges test (Band UNII-1 / Band UNII-2A, 802.11n HT20 mode) -Radiated**

Operation Mode	TX CH Low	Test Date	2020/11/10
Channel Number	5180 MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5150.00	65.50	-7.09	58.41	68.20	-9.79	Peak	VERTICAL
1	5150.00	70.94	-7.09	63.85	68.20	-4.35	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2020/11/10
Channel Number	5320MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5350.00	63.42	-5.80	57.62	68.20	-10.58	Peak	VERTICAL
1	5350.00	60.95	-5.80	55.15	68.20	-13.05	Peak	HORIZONTAL

**Remark:**

- 1 Measuring frequencies from the lowest internal frequency to the 10th of fundamental frequency
- 2 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 3 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4 Spectrum Peak mode IF bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, Sweep time= 200 ms., the VBW setting was 3 MHz.
- 5 Spectrum AV mode if bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, VBW  $\geq$  1/Ton, Sweep time= 200 ms.

**Band Edges test (Band UNII-1 / Band UNII-2A, 802.11n HT40 mode) -Radiated**

Operation Mode	TX CH Low	Test Date	2020/11/10
Channel Number	5190 MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5150.00	71.88	-7.09	64.79	68.20	-3.41	Peak	VERTICAL
1	5150.00	75.92	-7.09	68.83	68.20	0.63	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2020/11/10
Channel Number	5310MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5350.00	72.83	-5.80	67.03	68.20	-1.17	Peak	VERTICAL
1	5350.00	68.67	-5.80	62.87	68.20	-5.33	Peak	HORIZONTAL

**Remark:**

- 1 Measuring frequencies from the lowest internal frequency to the 10th of fundamental frequency
- 2 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 3 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4 Spectrum Peak mode IF bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, Sweep time= 200 ms., the VBW setting was 3 MHz.
- 5 Spectrum AV mode if bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, VBW  $\geq$  1/Ton, Sweep time= 200 ms.

**Band Edges test (Band UNII-1 / Band UNII-2A, 802.11ac VHT80 mode) -Radiated**

Operation Mode	TX CH Low	Test Date	2020/11/10
Channel Number	5210 MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5150.00	71.95	-7.09	64.86	68.20	-3.34	Peak	VERTICAL
1	5150.00	74.13	-7.09	67.04	68.20	-1.16	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2020/11/10
Channel Number	5290MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5350.00	71.37	-5.80	65.57	68.20	-2.63	Peak	VERTICAL
1	5350.00	69.86	-5.80	64.06	68.20	-4.14	Peak	HORIZONTAL

**Remark:**

- 1 Measuring frequencies from the lowest internal frequency to the 10th of fundamental frequency
- 2 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 3 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4 Spectrum Peak mode IF bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, Sweep time= 200 ms., the VBW setting was 3 MHz.
- 5 Spectrum AV mode if bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, VBW  $\geq$  1/Ton, Sweep time= 200 ms.

**Band Edges test (Band UNII-2C, 802.11a mode) -Radiated**

Operation Mode	TX CH Low	Test Date	2020/11/10
Channel Number	5500 MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5470.00	71.03	-5.50	65.53	68.20	-2.67	Peak	VERTICAL
1	5470.00	70.31	-5.50	64.81	68.20	-3.39	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2020/11/10
Channel Number	5700MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5725.00	69.09	-5.23	63.86	68.20	-4.34	Peak	VERTICAL
1	5725.00	66.58	-5.23	61.35	68.20	-6.85	Peak	HORIZONTAL

**Remark:**

- 1 Measuring frequencies from the lowest internal frequency to the 10th of fundamental frequency
- 2 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 3 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4 Spectrum Peak mode IF bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, Sweep time= 200 ms., the VBW setting was 3 MHz.
- 5 Spectrum AV mode if bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 1kHz, Sweep time= 200 ms.

**Band Edges test (Band UNII-2C, 802.11n HT20 mode) -Radiated**

Operation Mode	TX CH Low	Test Date	2020/11/10
Channel Number	5500 MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5470.00	65.12	-5.50	59.62	68.20	-8.58	Peak	VERTICAL
1	5470.00	63.80	-5.50	58.30	68.20	-9.90	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2020/11/10
Channel Number	5700MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5725.00	68.08	-5.23	62.85	68.20	-5.35	Peak	VERTICAL
1	5725.00	63.42	-5.23	58.19	68.20	-10.01	Peak	HORIZONTAL

**Remark:**

- 1 Measuring frequencies from the lowest internal frequency to the 10th of fundamental frequency
- 2 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 3 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4 Spectrum Peak mode IF bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, Sweep time= 200 ms., the VBW setting was 3 MHz.
- 5 Spectrum AV mode if bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, VBW  $\geq$  1/Ton, Sweep time= 200 ms.

**Band Edges test (Band UNII-2C, 802.11n HT40 mode) -Radiated**

Operation Mode	TX CH Low	Test Date	2020/11/09
Channel Number	5510 MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5470.00	71.12	-5.50	65.62	68.20	-2.58	Peak	VERTICAL
1	5470.00	71.07	-5.50	65.57	68.20	-2.63	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2020/11/09
Channel Number	5670MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5725.00	61.58	-5.23	56.35	68.20	-11.85	Peak	VERTICAL
1	5725.00	55.90	-5.23	50.67	68.20	-17.53	Peak	HORIZONTAL

**Remark:**

- 1 Measuring frequencies from the lowest internal frequency to the 10th of fundamental frequency
- 2 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 3 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4 Spectrum Peak mode IF bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, Sweep time= 200 ms., the VBW setting was 3 MHz.
- 5 Spectrum AV mode if bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, VBW  $\geq$  1/Ton, Sweep time= 200 ms.

**Band Edges test (Band UNII-2C, 802.11ac VHT80 mode) -Radiated**

Operation Mode	TX CH Low	Test Date	2020/11/09
Channel Number	5530 MHz	Test By	Weitin
Temperature	25	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5470.00	73.67	-5.50	68.17	68.20	-0.03	Peak	VERTICAL
1	5470.00	71.72	-5.50	66.22	68.20	-1.98	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2020/11/09
Channel Number	5610MHz	Test By	Weitin
Temperature	25	Humidity	65 %

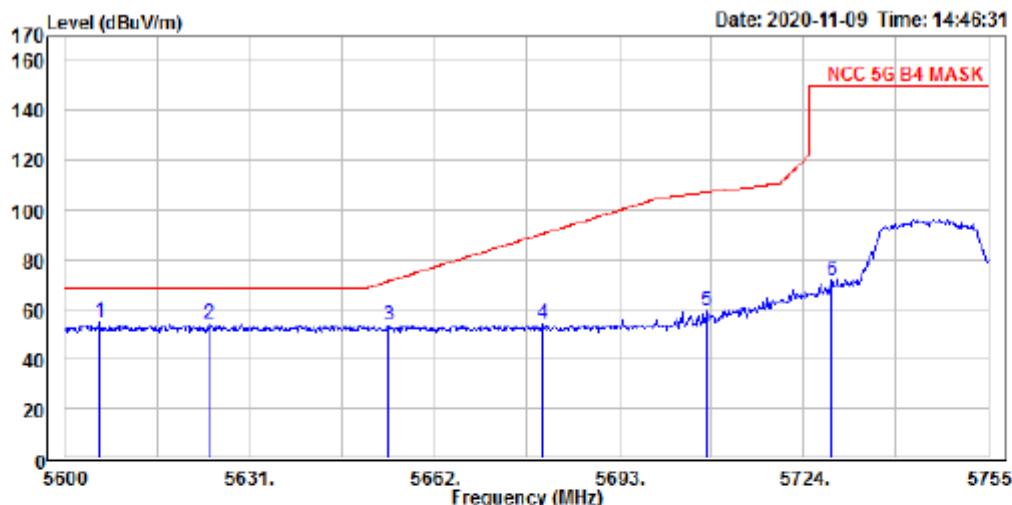
No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5725.00	57.09	-5.23	51.86	68.20	-16.34	Peak	VERTICAL
1	5725.00	56.01	-5.23	50.78	68.20	-17.42	Peak	HORIZONTAL

**Remark:**

- 1 Measuring frequencies from the lowest internal frequency to the 10th of fundamental frequency
- 2 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 3 Measurement of data within this frequency range shown “ - ” in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4 Spectrum Peak mode IF bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, Sweep time= 200 ms., the VBW setting was 3 MHz.
- 5 Spectrum AV mode if bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, VBW= 2kHz, Sweep time= 200 ms.

## Band Edges test (Band UNII-3, 802.11a mode) –Radiated

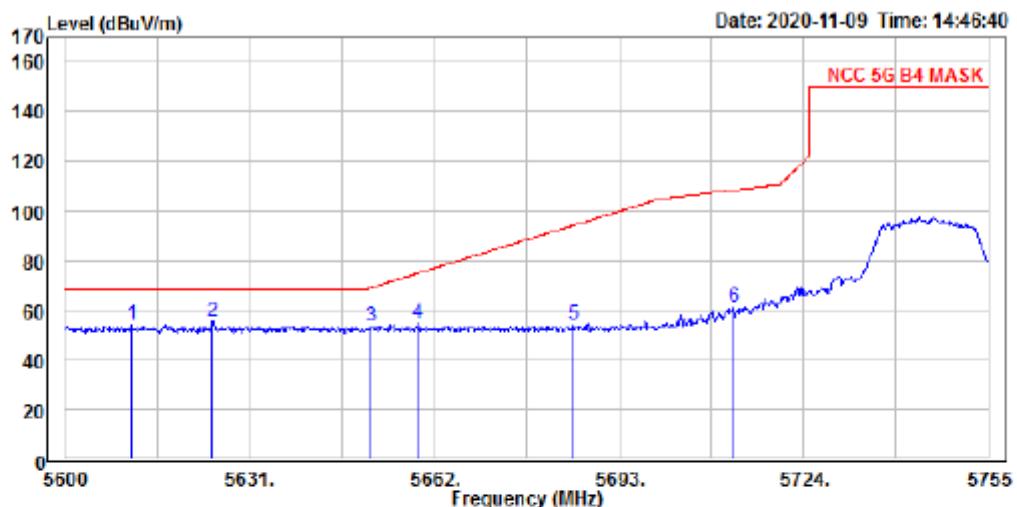
Operation Mode	TX CH Low	Test Date	2020/11/09
Channel Number	5745 MHz	Test By	Weitin
Temperature	25	Humidity	65 %



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 9120D V 1-18G.csv Vertical  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive

EUT :  
 Mode : 5G B4 802.11a low ch  
 Note :

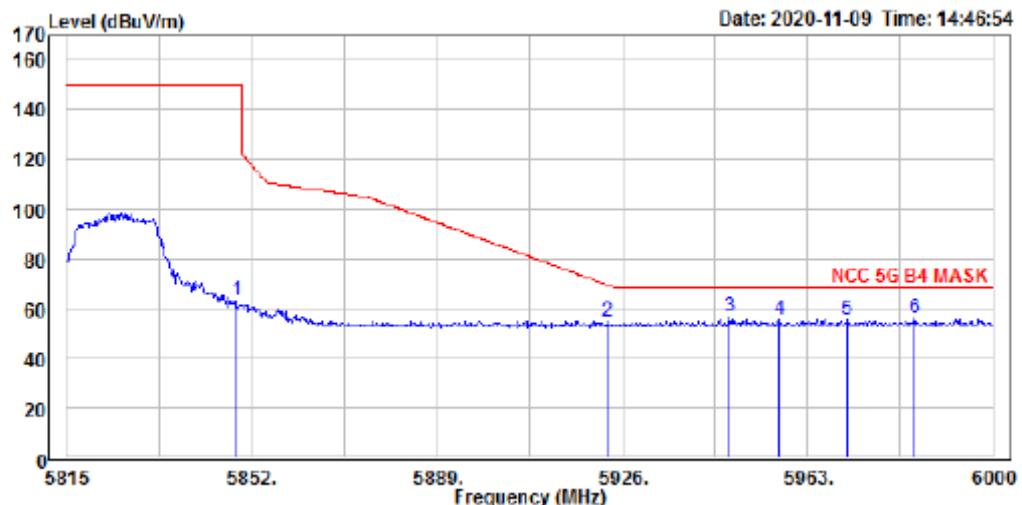
Freq	Read		Limit Line	Over Limit	Pol/Phase
	Level	Factor			
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1 PP 5685.735	62.57	-7.66	54.91	68.20	-13.29 Vertical
2 5624.025	62.20	-7.59	54.61	68.20	-13.59 Vertical
3 5654.250	61.23	-7.49	53.74	71.36	-17.62 Vertical
4 5680.290	61.37	-7.39	53.98	90.65	-36.67 Vertical
5 5707.570	66.98	-7.29	59.69	107.32	-47.63 Vertical
6 5728.805	78.94	-7.22	71.72	150.00	-78.28 Vertical



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 91200 H 1-18G.csv Horizontal  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive  
 EUT :  
 Mode : 5G B4 802.11a low ch  
 Note :

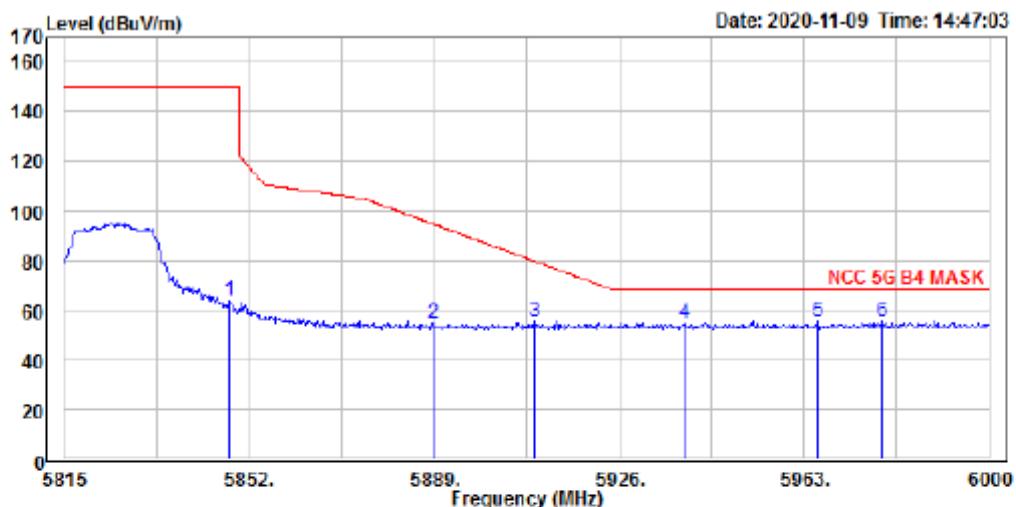
	Read			Limit Line	Over Line	Pol/Phase
	Freq	Level	Factor			
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1	5611.160	62.08	-7.64	54.44	68.20	-13.76 Horizontal
2 PP	5624.800	63.26	-7.59	55.67	68.20	-12.53 Horizontal
3	5651.460	61.37	-7.49	53.88	69.29	-15.41 Horizontal
4	5659.055	62.56	-7.47	55.09	74.93	-19.84 Horizontal
5	5685.250	61.68	-7.37	54.31	94.32	-40.01 Horizontal
6	5712.220	68.72	-7.28	61.44	108.62	-47.18 Horizontal

Operation Mode	TX CH High	Test Date	2020/11/09
Channel Number	5825MHz	Test By	Weitin
Temperature	25	Humidity	65 %



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 9120D V 1-18G.csv Vertical  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive  
 EUT :  
 Mode : 5G B4 802.11a High ch  
 Note :

Freq	Read		Limit Line	Over Limit	Pol/Phase
	Level	Factor			
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1 5848.855	70.18	-6.80	63.38	150.00	-86.62 Vertical
2 5923.040	61.27	-6.53	54.74	69.64	-14.90 Vertical
3 PP 5947.460	63.52	-6.44	57.08	68.20	-11.12 Vertical
4 5957.450	61.77	-6.40	55.37	68.20	-12.83 Vertical
5 5970.955	61.99	-6.36	55.63	68.20	-12.57 Vertical
6 5984.275	62.25	-6.31	55.94	68.20	-12.26 Vertical

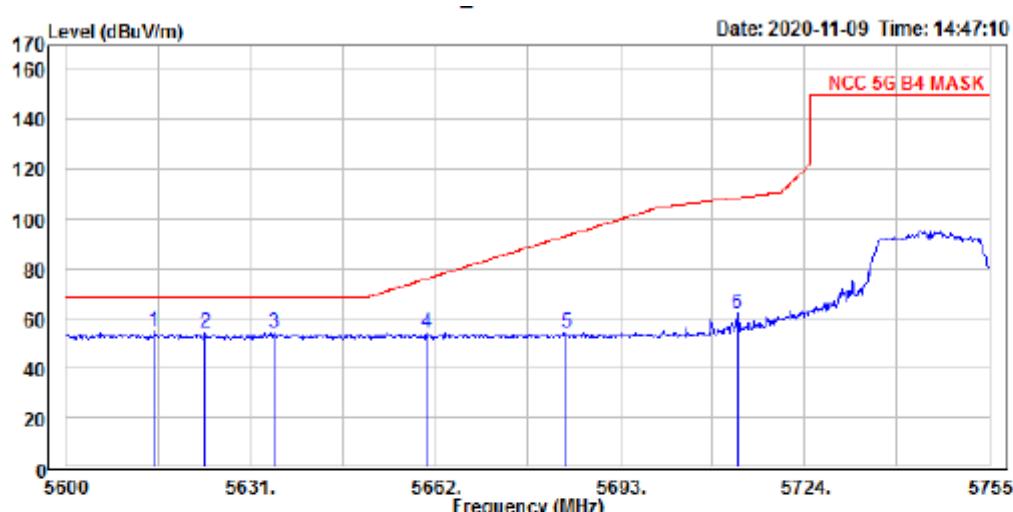


Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 9120D H 1-18G.csv Horizontal  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive  
 EUT :  
 Mode : 5G B4 802.11a High ch  
 Note :

	Read		Limit	Over	Line	Limit	Pol/Phase
	Freq	Level					
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5848.115	70.49	-6.80	63.69	150.00	-86.31	Horizontal
2	5888.815	61.65	-6.65	55.00	94.95	-39.95	Horizontal
3	5908.980	62.34	-6.57	55.77	80.02	-24.25	Horizontal
4	5938.950	61.34	-6.47	54.87	68.20	-13.33	Horizontal
5	5965.590	61.77	-6.37	55.40	68.20	-12.80	Horizontal
6 PP	5978.725	61.95	-6.32	55.63	68.20	-12.57	Horizontal

## Band Edges test (Band UNII-3, 802.11n HT20 mode) –Radiated

Operation Mode	TX CH Low	Test Date	2020/11/09
Channel Number	5745 MHz	Test By	Weitin
Temperature	25	Humidity	65 %



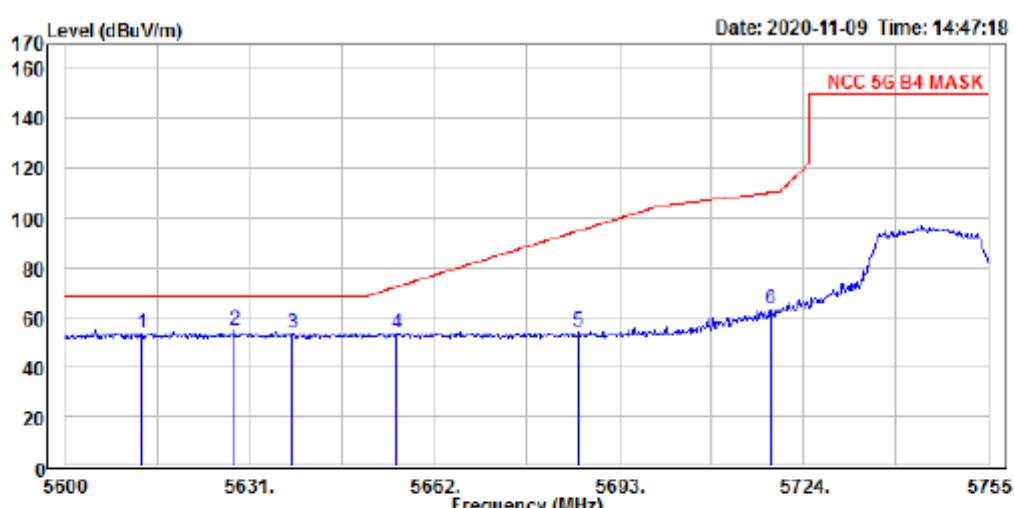
Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 91200 V 1-18G.csv Vertical  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive

EUT :

Mode : 5G B4 802.11HT20 Low ch

Note :

Freq MHz	Read		Limit		Over Limit	Pol/Phase
	Freq MHz	Level dBuV	Factor	Level dB/m	Line dBuV/m	
1 PP 5614.725	62.38	-7.63	54.75	68.20	-13.45	Vertical
2 5623.405	61.65	-7.60	54.05	68.20	-14.15	Vertical
3 5634.875	62.16	-7.56	54.60	68.20	-13.60	Vertical
4 5660.450	61.54	-7.47	54.07	75.96	-21.89	Vertical
5 5684.010	61.71	-7.38	54.33	93.40	-39.07	Vertical
6 5712.685	69.61	-7.28	62.33	108.75	-46.42	Vertical



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 9120D H 1-18G.csv Horizontal  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive

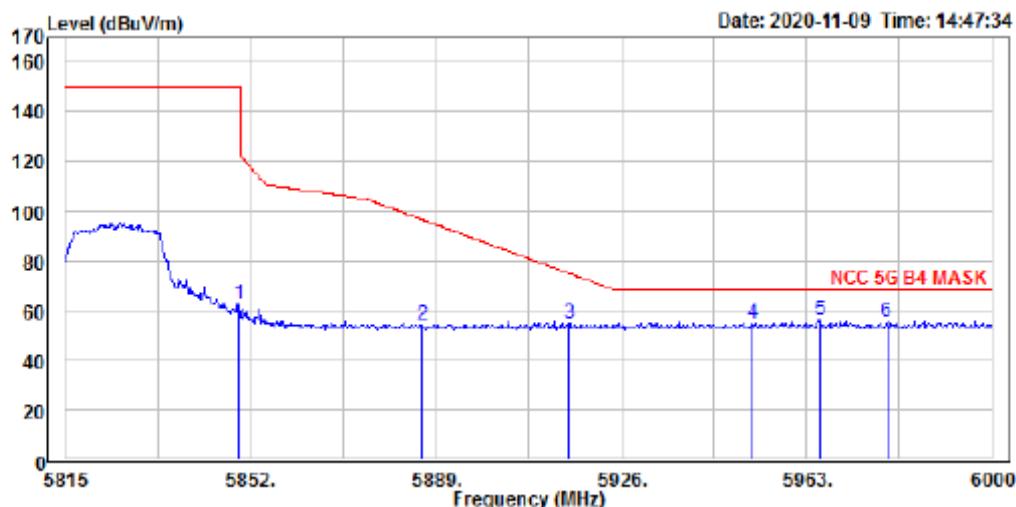
EUT :

Mode : 5G B4 802.11HT20 Low ch

Note :

Freq	Read		Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dB
1	5612.710	61.61	-7.64	53.97	68.20 -14.23 Horizontal
2	PP 5628.520	62.27	-7.58	54.69	68.20 -13.51 Horizontal
3	5638.130	61.44	-7.54	53.90	68.20 -14.30 Horizontal
4	5655.645	61.29	-7.47	53.82	72.39 -18.57 Horizontal
5	5686.180	61.37	-7.37	54.00	95.01 -41.01 Horizontal
6	5718.420	70.67	-7.26	63.41	110.36 -46.95 Horizontal

Operation Mode	TX CH High	Test Date	2020/11/09
Channel Number	5825 MHz	Test By	Weitin
Temperature	25	Humidity	65 %

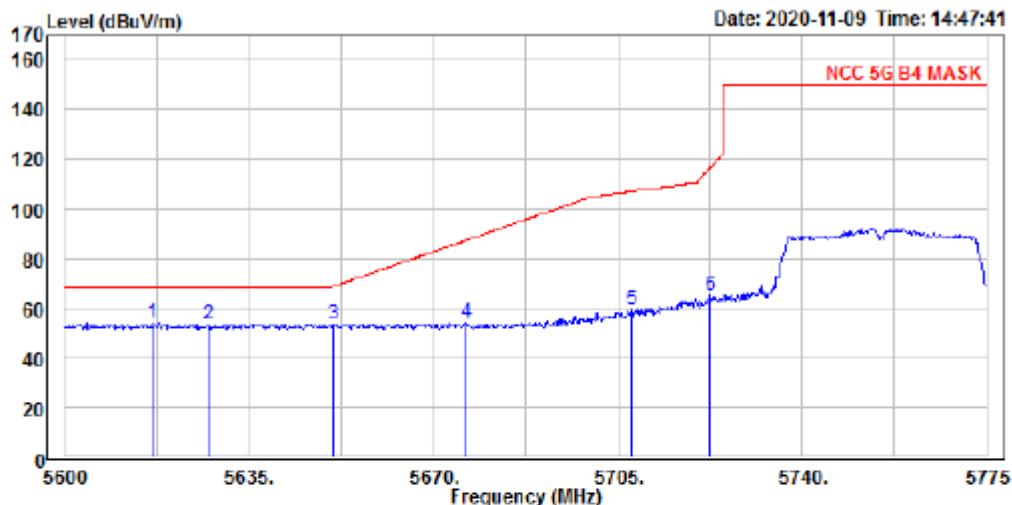


Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 9120D H 1-18G.csv Horizontal  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive  
 EUT :  
 Mode : 5G B4 802.11HT20 High ch  
 Note :

	Read			Limit Line	Over Limit	Pol/Phase
	Freq	Level	Factor			
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1	5849.595	69.39	-6.80	62.59	150.00	-87.41 Horizontal
2	5886.225	61.26	-6.66	54.60	96.87	-42.27 Horizontal
3	5915.640	61.55	-6.55	55.00	75.10	-20.10 Horizontal
4	5952.085	61.53	-6.42	55.11	68.20	-13.09 Horizontal
5 PP	5965.590	62.82	-6.37	56.45	68.20	-11.75 Horizontal
6	5979.095	62.04	-6.32	55.72	68.20	-12.48 Horizontal

## Band Edges test (Band UNII-3, 802.11n HT40 mode) –Radiated

Operation Mode	TX CH Low	Test Date	2020/11/09
Channel Number	5755 MHz	Test By	Weitin
Temperature	25	Humidity	65 %



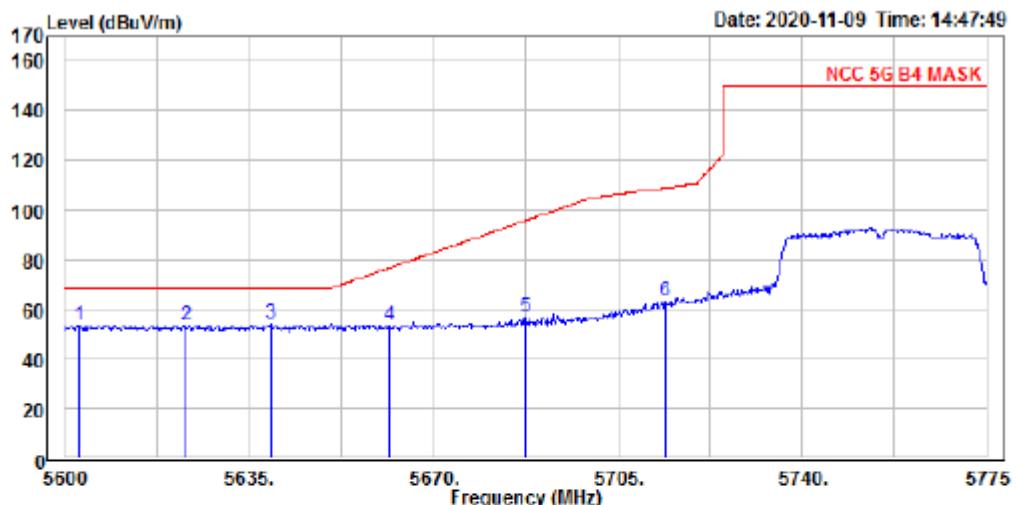
Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 91200 V 1-18G.csv Vertical  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive

EUT :

Mode : 5G B4 802.11HT40 Low ch

Note :

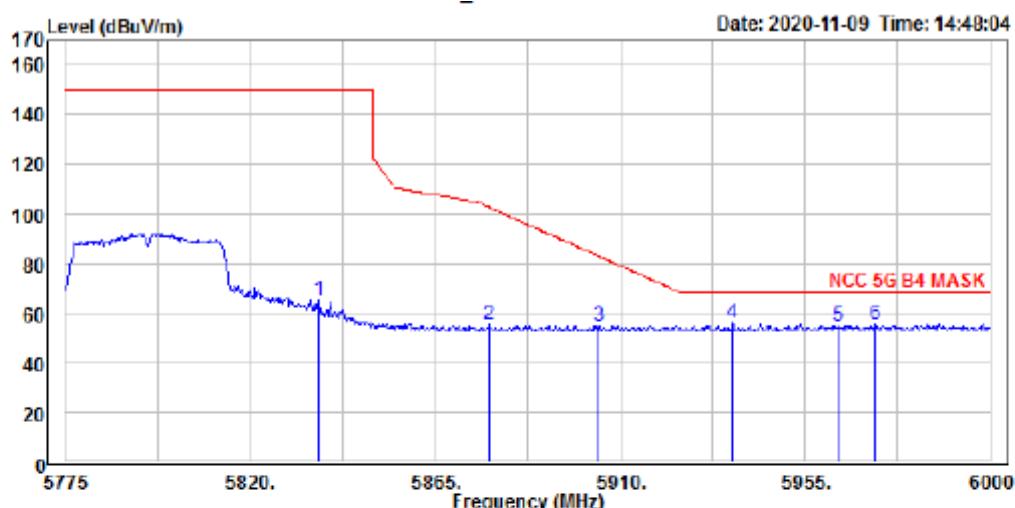
Freq	Read		Limit Line	Over Limit	Pol/Phase
	Level	Factor			
MHz	dBuV	dB/m			
1 PP 5616.450	61.66	-7.62	54.84	68.20 -14.16	Vertical
2 5627.300	61.34	-7.58	53.76	68.20 -14.44	Vertical
3 5650.925	61.23	-7.49	53.74	68.89 -15.15	Vertical
4 5676.125	61.81	-7.41	54.40	87.57 -33.17	Vertical
5 5707.450	67.03	-7.29	59.74	107.29 -47.55	Vertical
6 5722.500	72.30	-7.24	65.06	116.50 -51.44	Vertical



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 91200 H 1-18G.csv Horizontal  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive  
 EUT :  
 Mode : 5G B4 802.11HT40 Low ch  
 Note :

Freq	Read		Limit Line	Over Limit	Pol/Phase
	Level	Factor			
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1 5602.450	61.45	-7.68	53.77	68.20	-14.43 Horizontal
2 5622.925	61.12	-7.60	53.52	68.20	-14.68 Horizontal
3 PP 5639.200	61.67	-7.54	54.13	68.20	-14.07 Horizontal
4 5661.775	61.26	-7.46	53.80	76.94	-23.14 Horizontal
5 5687.500	63.93	-7.36	56.57	95.98	-39.41 Horizontal
6 5713.925	70.90	-7.27	63.63	109.10	-45.47 Horizontal

Operation Mode	TX CH High	Test Date	2020/11/09
Channel Number	5795MHz	Test By	Weitin
Temperature	25	Humidity	65 %

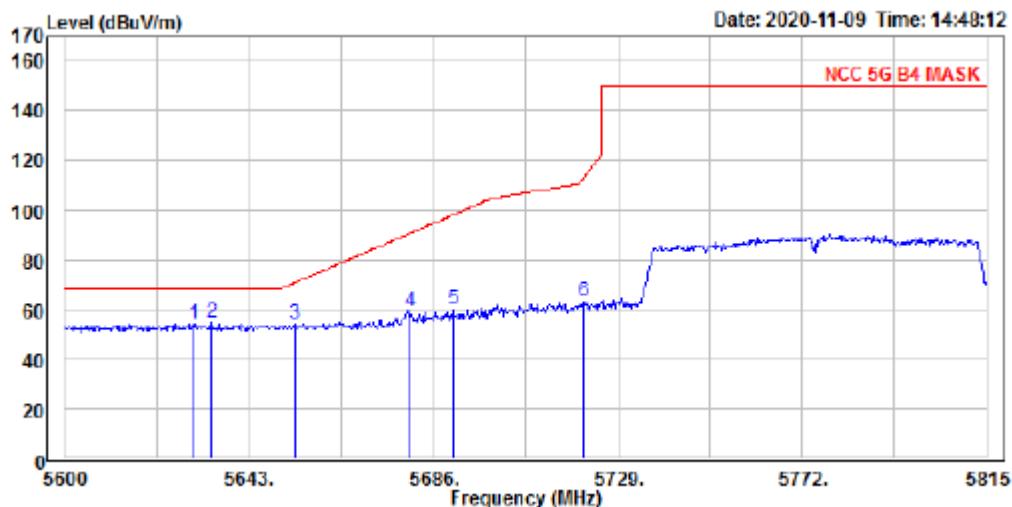


Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 9120D H 1-18G.csv Horizontal  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive  
 EUT :  
 Mode : 5G B4 802.11HT40 High ch  
 Note :

Freq	Read		Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dB
1	5836.650	72.31	-6.83	65.48	150.00 -84.52 Horizontal
2	5878.275	62.09	-6.69	55.40	102.77 -47.37 Horizontal
3	5904.825	61.51	-6.60	54.91	83.09 -28.18 Horizontal
4	PP 5937.225	62.45	-6.47	55.98	68.20 -12.22 Horizontal
5	5963.100	61.54	-6.39	55.15	68.20 -13.05 Horizontal
6	5972.100	61.89	-6.35	55.54	68.20 -12.66 Horizontal

## Band Edges test (Band UNII-3, 802.11ac VHT80 mode) –Radiated

Operation Mode	TX CH Low	Test Date	2020/11/09
Channel Number	5775 MHz	Test By	Weitin
Temperature	25	Humidity	65 %



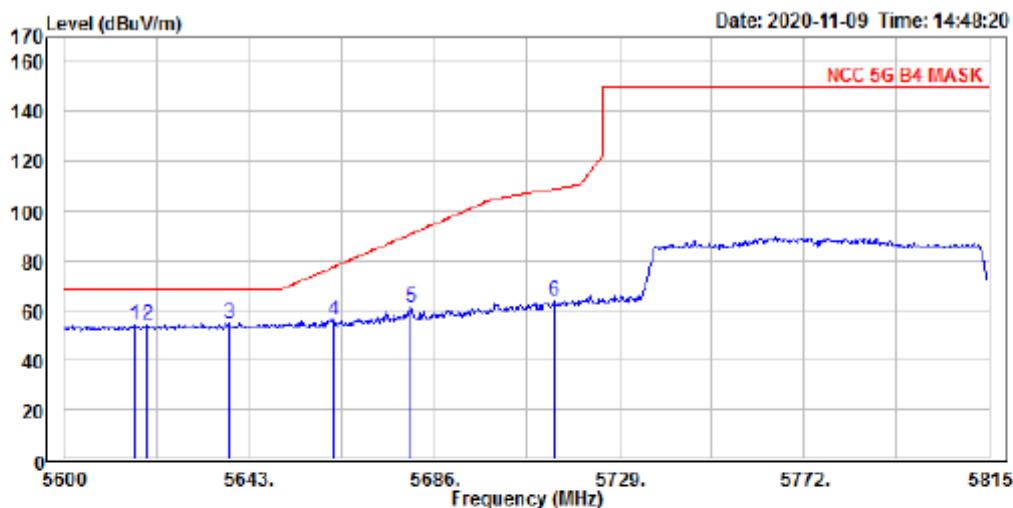
Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 9120D V 1-18G.csv Vertical  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive

EUT :

Mode : 5G B4 802.11ac80 Low ch

Note :

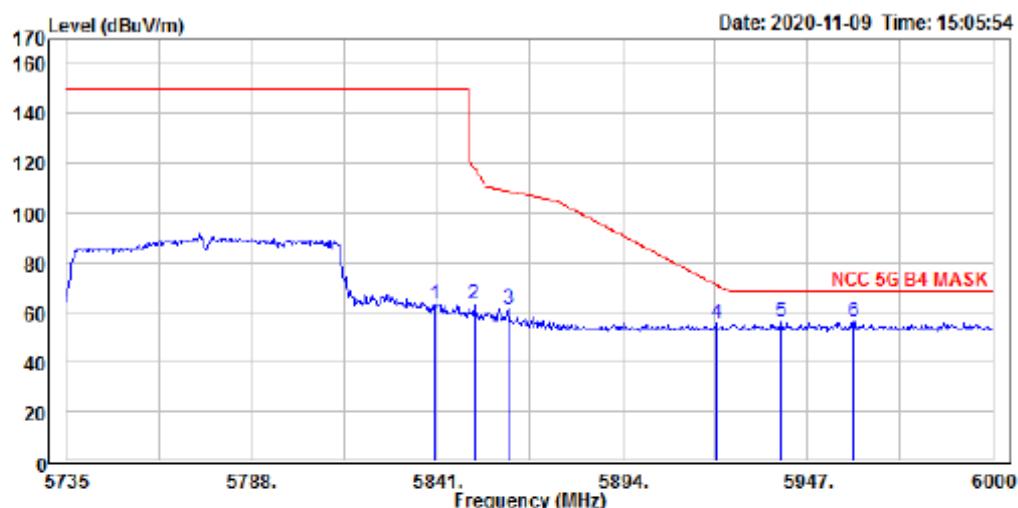
Freq	Read		Limit Line	Over Limit	Pol/Phase
	Level	Factor			
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1 5630.100	61.95	-7.57	54.38	68.20	-13.82 Vertical
2 PP 5634.400	62.35	-7.56	54.79	68.20	-13.41 Vertical
3 5653.535	61.88	-7.49	54.39	70.83	-16.44 Vertical
4 5680.410	66.98	-7.39	59.59	98.74	-31.15 Vertical
5 5690.515	67.64	-7.36	60.28	98.21	-37.93 Vertical
6 5720.830	70.85	-7.25	63.60	112.69	-49.09 Vertical



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 9120D H 1-18G.csv Horizontal  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive  
 EUT :  
 Mode : 5G B4 802.11ac80 Low ch  
 Note :

Freq	Read		Limit Line	Over Limit	Pol/Phase	
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1	5616.125	61.82	-7.62	54.20	68.20	-14.00 Horizontal
2	5619.135	61.84	-7.61	54.23	68.20	-13.97 Horizontal
3	5638.270	62.52	-7.54	54.98	68.20	-13.22 Horizontal
4	5662.780	63.86	-7.46	56.40	77.69	-21.29 Horizontal
5	5680.625	68.73	-7.39	61.34	90.90	-29.56 Horizontal
6	5713.950	71.42	-7.27	64.15	109.11	-44.96 Horizontal

Operation Mode	TX CH High	Test Date	2020/11/09
Channel Number	5775MHz	Test By	Weitin
Temperature	25	Humidity	65 %



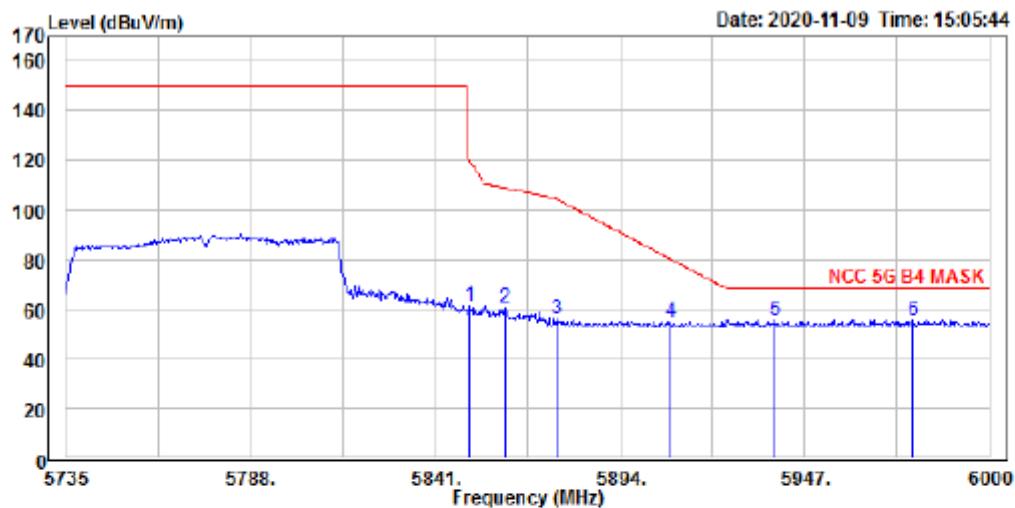
Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966\_9120D\_V\_1-18G.csv Vertical  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive

EUT :

Mode : 5G B4 802.11ac80 High ch

Note :

Freq	Read		Limit Line	Over Limit	Pol/Phase
	Level	Factor			
MHz	dBuV	dB/m	dBuV/m	dB	
1 5840.205	70.02	-6.82	63.20	150.00	-86.80 Vertical
2 5851.600	69.92	-6.78	63.14	118.55	-55.41 Vertical
3 5861.405	67.97	-6.75	61.22	109.00	-47.78 Vertical
4 5920.765	62.12	-6.54	55.58	71.32	-15.74 Vertical
5 PP 5939.580	62.58	-6.46	56.12	68.20	-12.08 Vertical
6 5960.250	62.38	-6.40	55.98	68.20	-12.22 Vertical



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 91200 H 1-18G.csv Horizontal  
 : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive  
 EUT :  
 Mode : 5G B4 802.11ac80 High ch  
 Note :

Freq	Read		Limit Line	Over Limit	Pol/Phase		
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5851.070	68.49	-6.78	61.71	119.76	-58.05	Horizontal
2	5860.875	67.58	-6.75	60.83	109.15	-48.32	Horizontal
3	5875.980	63.24	-6.70	56.54	104.47	-47.93	Horizontal
4	5908.310	61.70	-6.57	55.13	80.52	-25.39	Horizontal
5	5938.520	61.85	-6.47	55.38	68.20	-12.82	Horizontal
6 PP	5978.270	62.22	-6.33	55.89	68.20	-12.31	Horizontal

## 10. Transmission in the Absence of Data

### 10.1. Standard Applicable

According to §15.407(c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

### 10.2. Result:

Pass, the device is compliance with 802.11 a/ b/g/n ac standard, the short control signal is appear during no transmission period.

## 11. Antenna Requirement

### 11.1. Standard Applicable

According to §15.203, Antenna requirement.

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. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

### 11.2. Antenna Connected Construction

The directional gins of antenna used for transmitting is below table, and the antenna connector is designed with unique type RF connector and no consideration of replacement. Please see EUT photo and antenna spec. for details.

Antenna Designation:

	PCB Antenna	Gain
1	WiFi 5G Antenna UNII-1	-1.89dBi
2	WiFi 5G Antenna UNII-2A	-1.89dBi
3	WiFi 5G Antenna UNII-2C	-2.68dBi
4	WiFi 5G Antenna UNII-3	-3.11dBi

## 12. TPC and DFS Measurement

### 12.1. TPC: Standard Applicable

According to §15.407(h)(1), Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

### 12.2. DFS: Standard Applicable

According to §15.407(h)(2), Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection.

## 13.2.1. Limit

Table 1: Applicability of DFS requirements prior to use of a channel

Requirement	Operational Mode		
	Slave	Client(without radar detection)	Client(with radar detection)
Non-occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
Uniform Spreading	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode		
	Slave	Client(without radar detection)	Client(with radar detection)
DFS Detection Threshold	Yes	Not required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required	Yes

**Refer to KDB Number: 905462 APPENDIX B COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5.25-5.35 GHz AND 5.47-5.725 GHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION.**

**Table 3: Interference Threshold values, Master or Client incorporating In-Service Monitoring**

Maximum Transmit Power	Value (see note)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna  
 Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

**Table 4: DFS Response requirement values**

Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 80% of the U-NII 99% transmission power bandwidth. See Note 3.

**Note 1:** The instant that the *Channel Move Time* and the *Channel Closing Transmission Time* begins is as follows:

- For the Short Pulse Radar Test Signals this instant is the end of the *Burst*.
- For the Frequency Hopping radar Test Signal, this instant is the end of the last radar *Burst* generated.
- For the Long Pulse Radar Test Signal this instant is the end of the 12 second period defining the *Radar Waveform*.

**Note 2:** The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel* move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

**Note 3:** During the *U-NII Detection Bandwidth* detection test, radar type 1 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

**Table 5: Radar Test Waveforms**
**Short Pulse Radar**

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	18	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

**Note 1:** Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. For Short Pulse Radar Type 1, the same waveform is used a minimum of 30 times. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms

**Long Pulse Radar**

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type waveforms, then each additional waveform must also be unique and not repeated from the previous waveforms.

### Frequency Hopping Radar

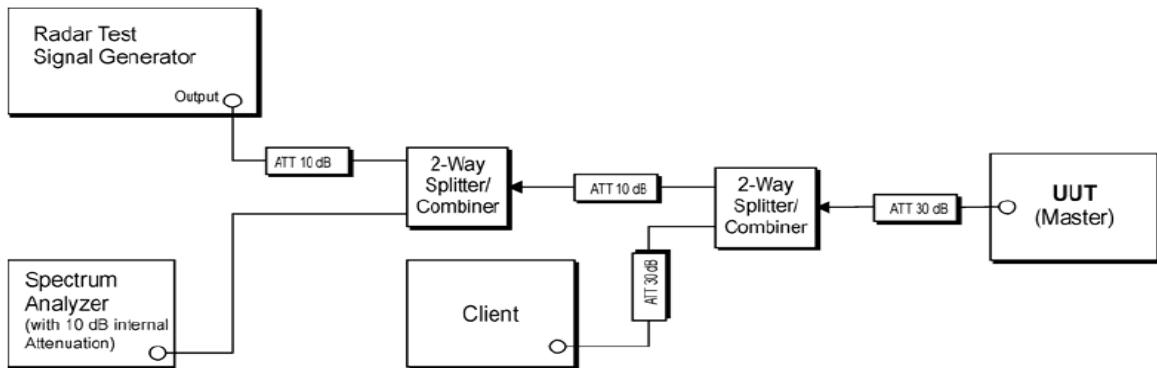
Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	9	.333	300	70%	30

For the Frequency Hopping Radar Type, the same *Burst* parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected from the hopping sequence defined by the following algorithm: 3

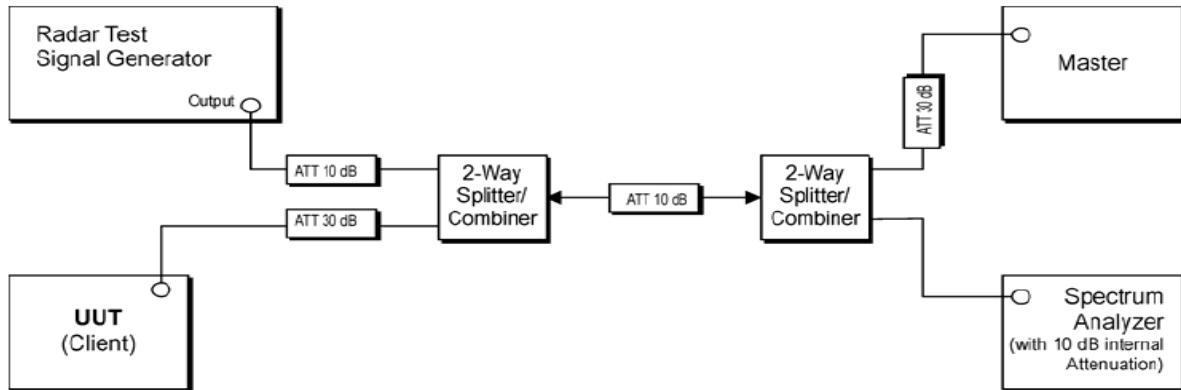
The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.

### 13.2.2. Test Setup

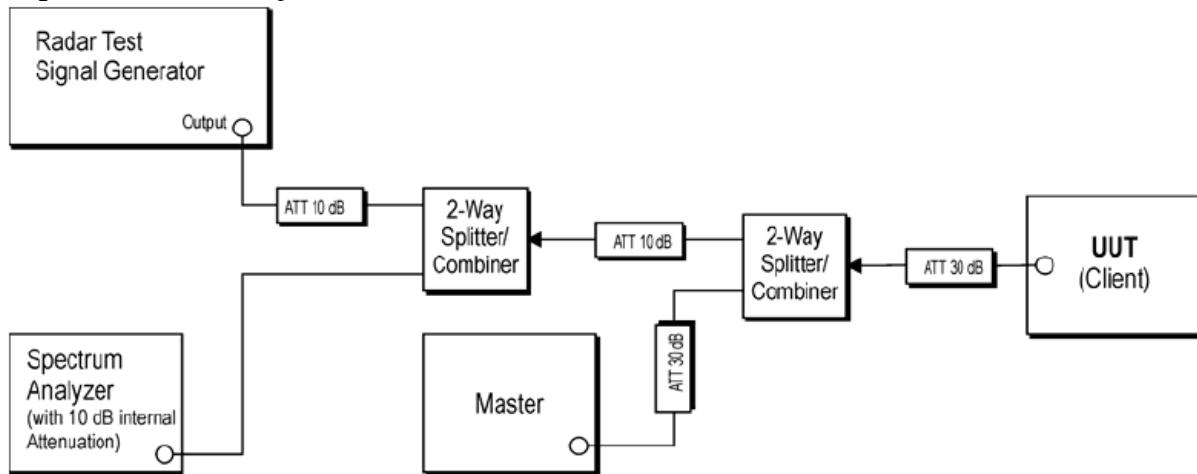
#### Setup for Master with injection at the Master



#### Setup for Client with injection at the Master



#### Setup for Client with injection at the Client



Note: device under test are configured with AP as IP based by streaming MPEG video, 30 frames per seconds

**12.3. Test Equipment Used:**

Location Conducted	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Conducted (DFS)	Signal Generator	Agilent	E4438C	MY49071550	01/03/2020	01/03/2021
Conducted (DFS)	Signal Generator	Keysight	N5182B	MY53052399	01/06/2020	01/06/2021
Conducted (DFS)	Spectrum analyzer	Keysight	N9010A	MY56070257	09/23/2020	09/23/2021
Conducted (DFS)	AP Router	Synology	RT1900ac	15B0N3N369502	NA	NA
Conducted (DFS)	USB Adapter	D-Link	DWA-182	QBYS1D8000073	NA	NA
Conducted (DFS)	Test Box	Keysight	AD211A	NA	NA	NA
Conducted (DFS)	Test Box	Keysight	AD191A	NA	NA	NA
Conducted (DFS)	Direction Coupler	Krytar	1821S	1461	NA	NA
Conducted (DFS)	Splitter	Mini-Circuits	ZN2PD-63-S	UU97201111	NA	NA
Conducted (DFS)	Attenuator	Woken	Watt-65m3502	11051601	NA	NA
Conducted (DFS)	Software	Agilent	Adaptive TEST	NA	NA	NA
Conducted (DFS)	Cable	Draka	NA	NA	NA	NA
Conducted (DFS)	Test Software	Keysight	N9607B DFS Radar Profiles	NA	NA	NA
Conducted (DFS)	Test Software	Keysight	ETSI Standard test system	NA	NA	NA

**12.3.1. Description of EUT :**

EUT operates over the 5250-5350MHz and 5470-5725MHz ranges and EUT is a slave device (client equipment) w/o radar detection and DFS capability.

The EUT utilizes the 802.11n architecture, with a nominal channel bandwidth of 80MHz WLAN traffic is generated by streaming the mpeg file from the master to slave in full monitor video mode using the media player.

The rated output power of the master unit is >23dBm(EIRP).therefore the required interference threshold level is -64dBm. The master device as employed for the applicable DFS test is router whose FCC ID= YOR-RT1900AC for Synology

## 12.4. Test results

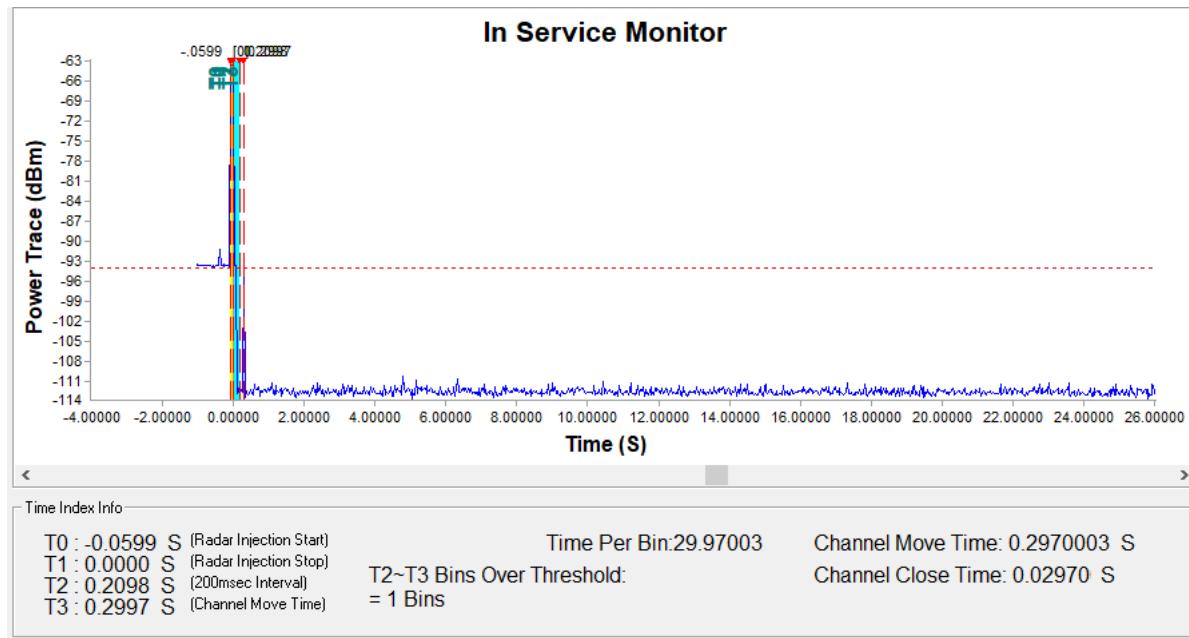
### Applicability of DFS requirements during normal operation

Requirement	Operational Mode: Client(without radar detection)	
	Test Result	Remark
<b>Non-occupancy Period</b>	No transmission in 30mins. (test results), pass (Remark)	Pass
<b>DFS Detection Threshold</b>	N/A	N/A
<b>Channel Closing Transmission Time</b>	Less than 200ms, Refer to next page for plots.	Pass
<b>Channel Move Time</b>	Less than 10s, Refer to next page for plots.	Pass
<b>U-NII Detection Bandwidth</b>	N/A	N/A

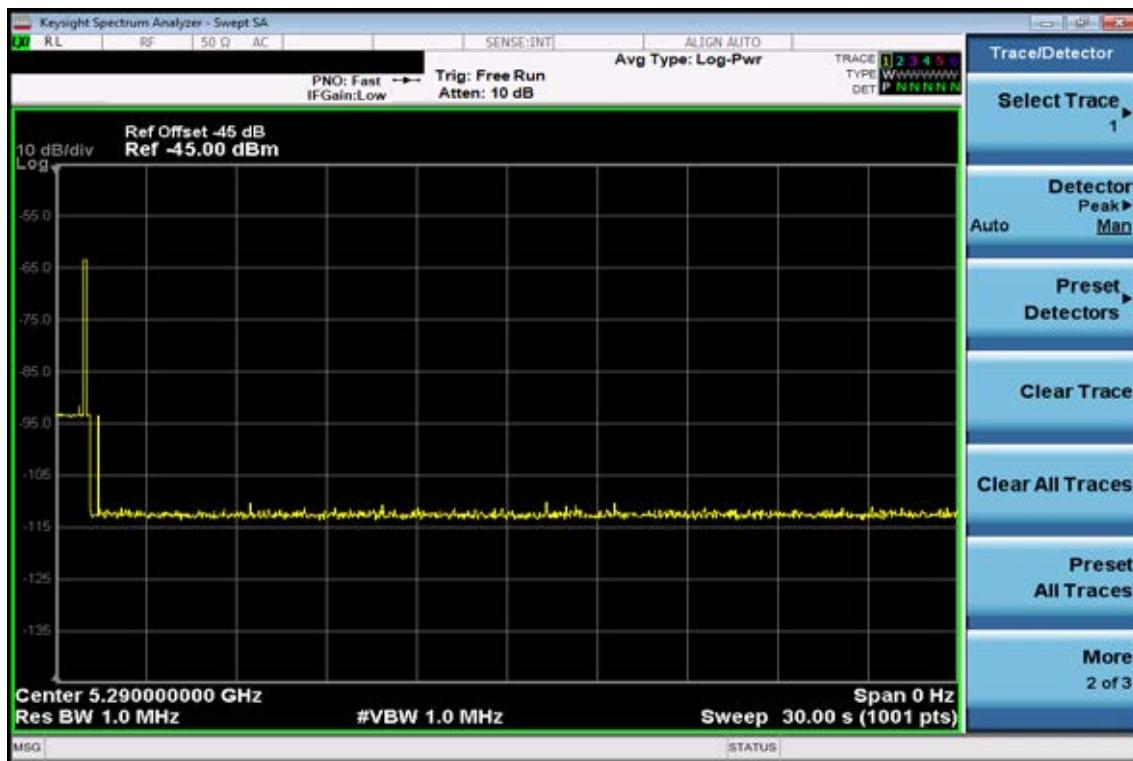
Input Level to Master AP= -64dBm

5250MHz ~ 5350MHz

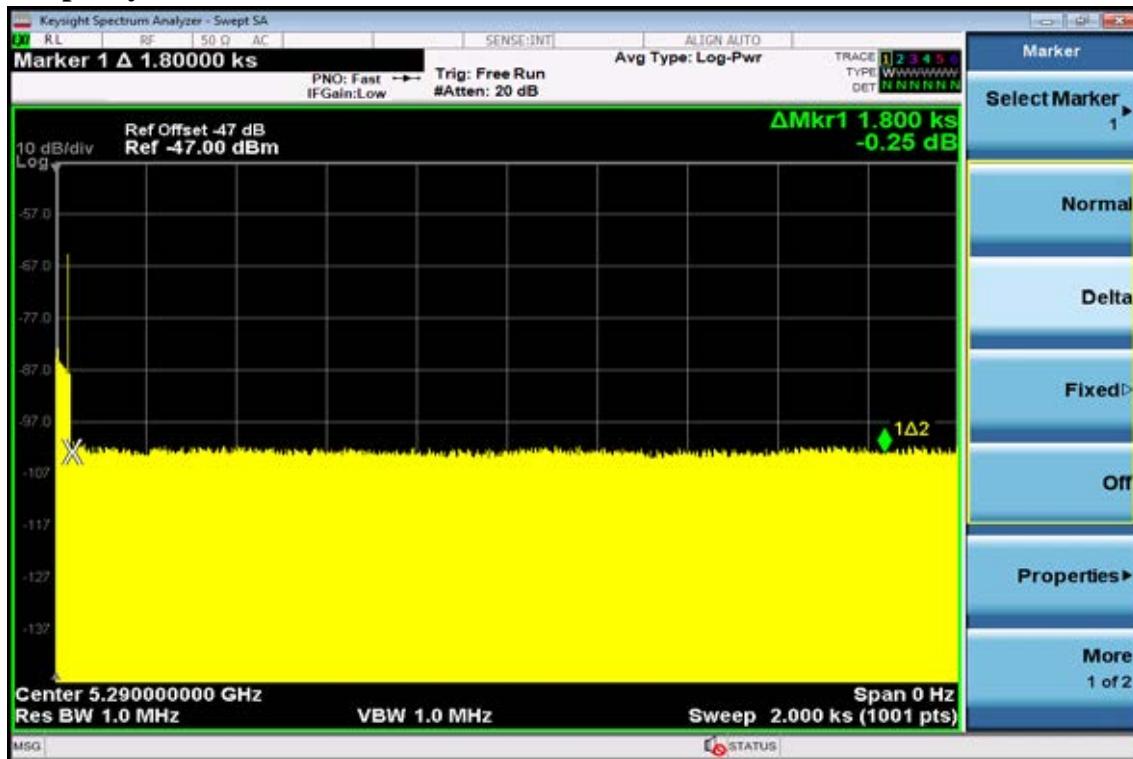
## Radar Type 0 Channel Move &amp; Closing Transmission Time



Note: the unit of time per bin is millisecond

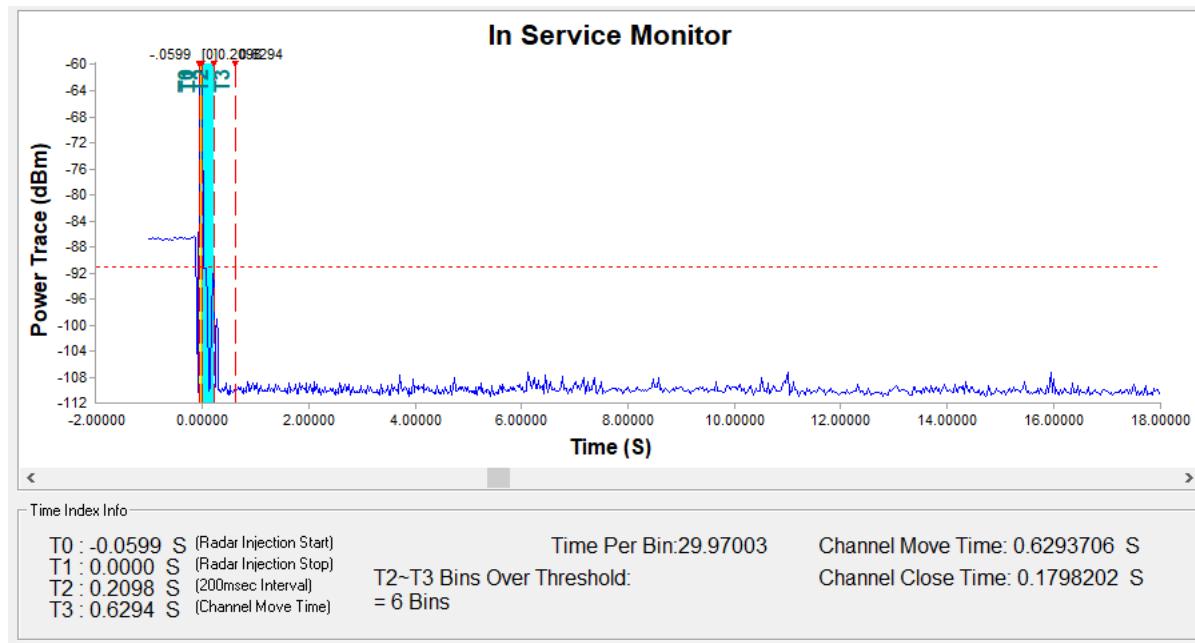


### Non-occupancy Period

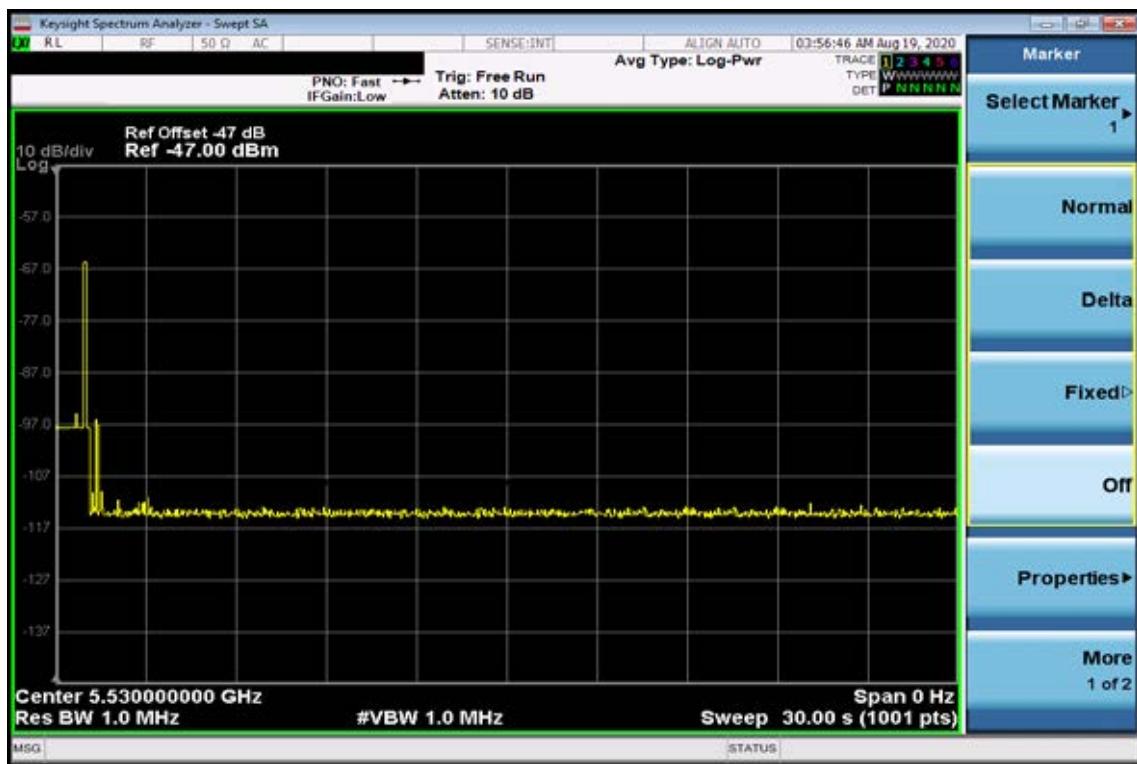


5500MHz ~ 5700MHz

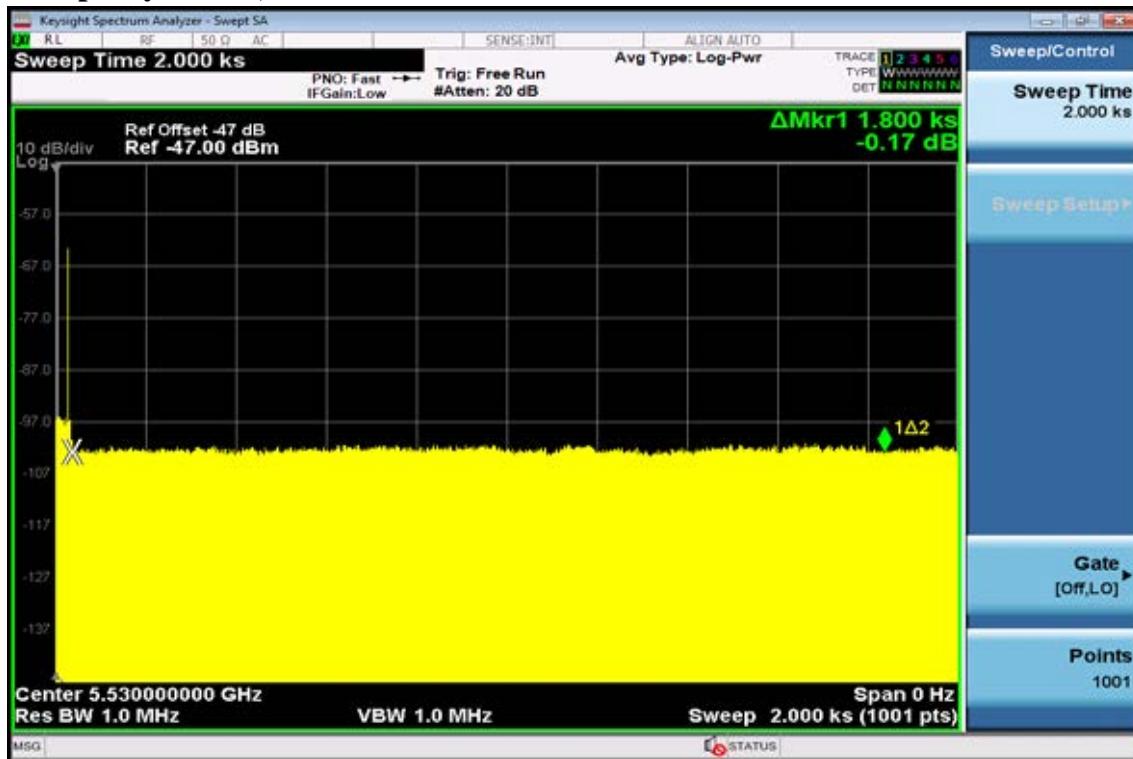
## Radar Type 0 Channel Move &amp; Closing Transmission Time



Note: the unit of time per bin is millisecond

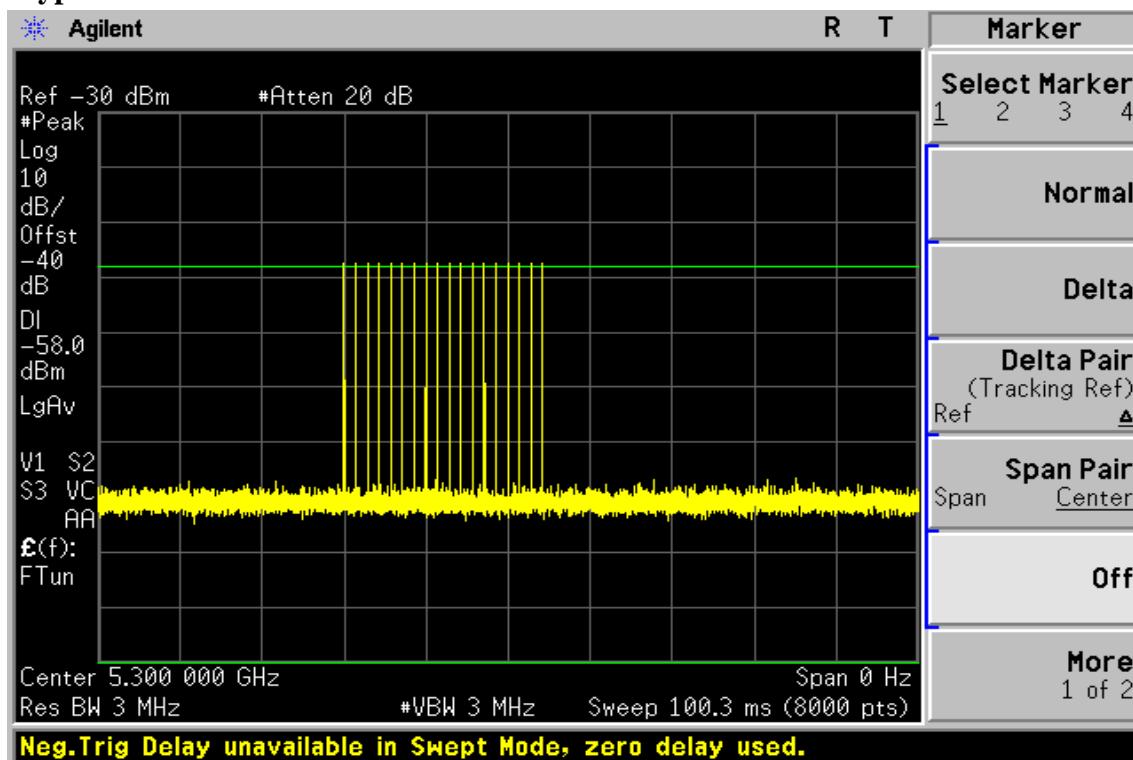


## Non-occupancy Period,



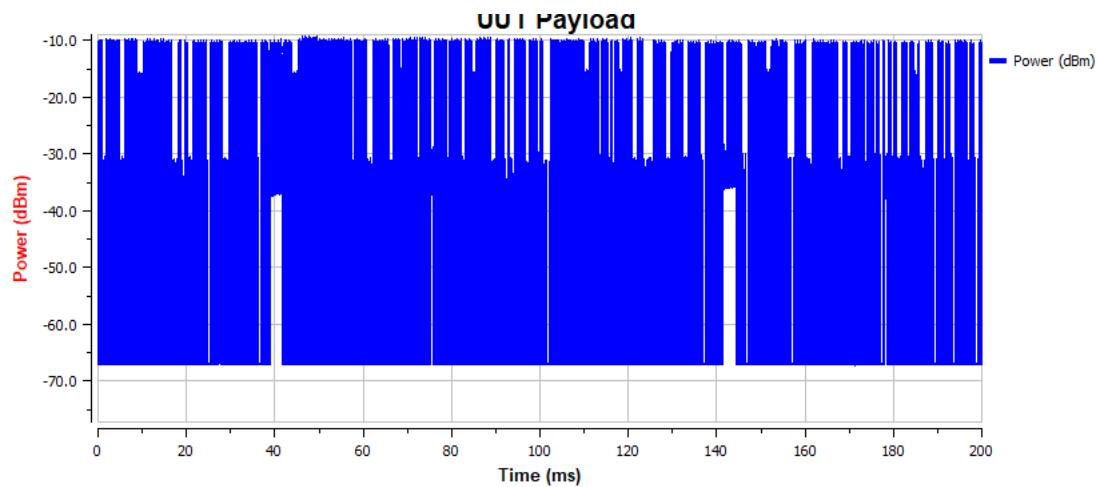
Calibration plots for each of the required radar waveforms

Radar type 0



## Band 2

### WLAN traffic



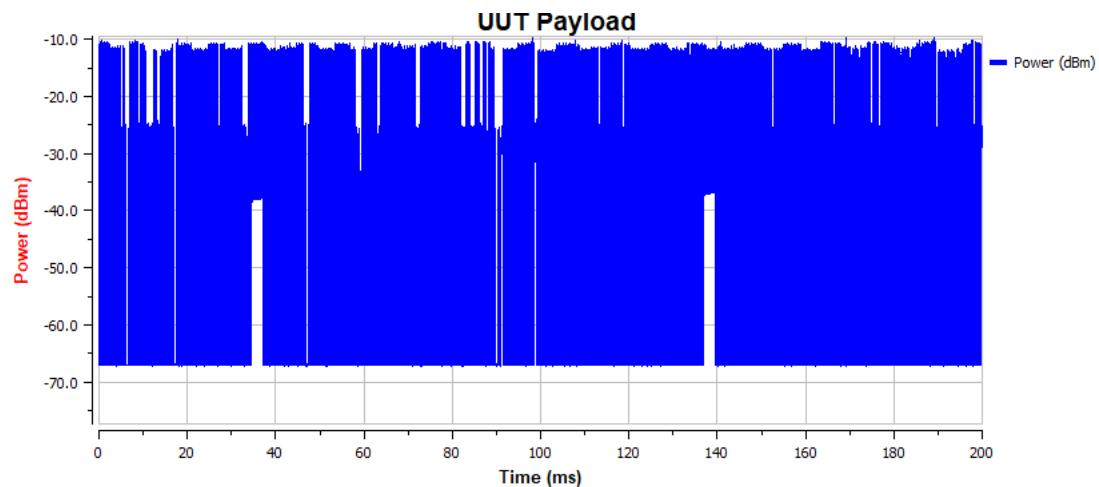
Traffic Load Check Status

Duty Cycle (%) : 72.79

\*Please make sure when we want to do the Adaptivity Test, the Duty Cycle in Traffic Load must over then 30%.

## Band 3

### WLAN traffic



Traffic Load Check Status

Duty Cycle (%) : 79.03

\*Please make sure when we want to do the Adaptivity Test, the Duty Cycle in Traffic Load must over then 30%.