Radiated Spurious Emission Measurement Result (below 1GHz)

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

Operation Mode	TX MODE	Test Date	2020/12/30
Channel Number	CH Low	Test By	Barry
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	600.36	32.80	1.58	34.38	46.00	-11.62	Peak	VERTICAL
2	670.20	30.56	2.29	32.85	46.00	-13.15	Peak	VERTICAL
3	761.38	30.64	4.40	35.04	46.00	-10.96	Peak	VERTICAL
4	828.31	31.03	5.14	36.17	46.00	-9.83	Peak	VERTICAL
5	870.02	30.42	5.53	35.95	46.00	-10.05	Peak	VERTICAL
6	945.68	30.65	7.12	37.77	46.00	-8.23	Peak	VERTICAL
1	600.36	42.81	1.58	44.39	46.00	-1.61	Peak	HORIZONTAL
2	604.24	34.94	1.67	36.61	46.00	-9.39	Peak	HORIZONTAL
3	767.20	30.56	4.31	34.87	46.00	-11.13	Peak	HORIZONTAL
4	832.19	30.31	5.14	35.45	46.00	-10.55	Peak	HORIZONTAL
5	922.40	29.61	6.79	36.40	46.00	-9.60	Peak	HORIZONTAL
6	939.86	30.55	7.08	37.63	46.00	-8.37	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
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	600.36	34.15	1.58	35.73	46.00	-10.27	Peak	VERTICAL
2	726.46	30.95	3.45	34.40	46.00	-11.60	Peak	VERTICAL
3	786.60	29.90	4.48	34.38	46.00	-11.62	Peak	VERTICAL
4	846.74	30.09	5.24	35.33	46.00	-10.67	Peak	VERTICAL
5	890.39	31.12	5.93	37.05	46.00	-8.95	Peak	VERTICAL
6	932.10	30.02	6.99	37.01	46.00	-8.99	Peak	VERTICAL
1	599.39	41.25	1.55	42.80	46.00	-3.20	Peak	HORIZONTAL
2	604.24	38.47	1.67	40.14	46.00	-5.86	Peak	HORIZONTAL
3	611.03	33.94	1.78	35.72	46.00	-10.28	Peak	HORIZONTAL
4	776.90	31.01	4.33	35.34	46.00	-10.66	Peak	HORIZONTAL
5	820.55	30.11	5.00	35.11	46.00	-10.89	Peak	HORIZONTAL
6	913.67	29.88	6.41	36.29	46.00	-9.71	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	600.36	31.96	1.58	33.54	46.00	-12.46	Peak	VERTICAL
2	693.48	29.62	2.96	32.58	46.00	-13.42	Peak	VERTICAL
3	825.40	30.13	5.19	35.32	46.00	-10.68	Peak	VERTICAL
4	852.56	30.14	5.39	35.53	46.00	-10.47	Peak	VERTICAL
5	900.09	30.91	6.17	37.08	46.00	-8.92	Peak	VERTICAL
6	939.86	29.17	7.08	36.25	46.00	-9.75	Peak	VERTICAL
1	599.39	41.28	1.55	42.83	46.00	-3.17	Peak	HORIZONTAL
2	688.63	29.70	2.90	32.60	46.00	-13.40	Peak	HORIZONTAL
3	764.29	29.98	4.35	34.33	46.00	-11.67	Peak	HORIZONTAL
4	838.98	30.66	5.17	35.83	46.00	-10.17	Peak	HORIZONTAL
5	913.67	30.62	6.41	37.03	46.00	-8.97	Peak	HORIZONTAL
6	932.10	30.54	6.99	37.53	46.00	-8.47	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	600.36	32.00	1.58	33.58	46.00	-12.42	Peak	VERTICAL
2	700.27	30.60	3.08	33.68	46.00	-12.32	Peak	VERTICAL
3	787.57	30.95	4.53	35.48	46.00	-10.52	Peak	VERTICAL
4	874.87	29.59	5.65	35.24	46.00	-10.76	Peak	VERTICAL
5	907.85	31.43	6.27	37.70	46.00	-8.30	Peak	VERTICAL
6	946.65	29.54	7.15	36.69	46.00	-9.31	Peak	VERTICAL
1	589.69	33.53	1.25	34.78	46.00	-11.22	Peak	HORIZONTAL
2	599.39	41.25	1.55	42.80	46.00	-3.20	Peak	HORIZONTAL
3	611.03	34.02	1.78	35.80	46.00	-10.20	Peak	HORIZONTAL
4	769.14	29.56	4.27	33.83	46.00	-12.17	Peak	HORIZONTAL
5	871.96	30.36	5.57	35.93	46.00	-10.07	Peak	HORIZONTAL
6	907.85	29.80	6.27	36.07	46.00	-9.93	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	600.36	31.45	1.58	33.03	46.00	-12.97	Peak	VERTICAL
2	688.63	29.42	2.90	32.32	46.00	-13.68	Peak	VERTICAL
3	789.51	30.45	4.61	35.06	46.00	-10.94	Peak	VERTICAL
4	838.01	30.08	5.17	35.25	46.00	-10.75	Peak	VERTICAL
5	866.14	31.13	5.43	36.56	46.00	-9.44	Peak	VERTICAL
6	920.46	32.22	6.78	39.00	46.00	-7.00	Peak	VERTICAL
1	599.39	41.70	1.55	43.25	46.00	-2.75	Peak	HORIZONTAL
2	604.24	34.90	1.67	36.57	46.00	-9.43	Peak	HORIZONTAL
3	612.00	34.16	1.77	35.93	46.00	-10.07	Peak	HORIZONTAL
4	738.10	30.38	3.70	34.08	46.00	-11.92	Peak	HORIZONTAL
5	853.53	31.00	5.42	36.42	46.00	-9.58	Peak	HORIZONTAL
6	883.60	30.65	5.83	36.48	46.00	-9.52	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	600.36	33.58	1.58	35.16	46.00	-10.84	Peak	VERTICAL
2	752.65	30.53	4.10	34.63	46.00	-11.37	Peak	VERTICAL
3	803.09	30.93	4.59	35.52	46.00	-10.48	Peak	VERTICAL
4	845.77	30.42	5.23	35.65	46.00	-10.35	Peak	VERTICAL
5	874.87	30.37	5.65	36.02	46.00	-9.98	Peak	VERTICAL
6	919.49	30.59	6.74	37.33	46.00	-8.67	Peak	VERTICAL
1	600.36	40.40	1.58	41.98	46.00	-4.02	Peak	HORIZONTAL
2	783.69	30.03	4.41	34.44	46.00	-11.56	Peak	HORIZONTAL
3	819.58	29.98	4.96	34.94	46.00	-11.06	Peak	HORIZONTAL
4	857.41	30.68	5.47	36.15	46.00	-9.85	Peak	HORIZONTAL
5	901.06	34.89	6.17	41.06	46.00	-4.94	Peak	HORIZONTAL
6	942.77	30.42	7.09	37.51	46.00	-8.49	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
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	600.36	35.62	1.58	37.20	46.00	-8.80	Peak	VERTICAL
2	759.44	30.35	4.40	34.75	46.00	-11.25	Peak	VERTICAL
3	837.04	30.41	5.16	35.57	46.00	-10.43	Peak	VERTICAL
4	875.84	30.14	5.66	35.80	46.00	-10.20	Peak	VERTICAL
5	914.64	31.08	6.44	37.52	46.00	-8.48	Peak	VERTICAL
6	954.41	29.97	7.25	37.22	46.00	-8.78	Peak	VERTICAL
1	587.75	31.77	1.17	32.94	46.00	-13.06	Peak	HORIZONTAL
2	600.36	41.92	1.58	43.50	46.00	-2.50	Peak	HORIZONTAL
3	607.15	34.59	1.74	36.33	46.00	-9.67	Peak	HORIZONTAL
4	614.91	31.81	1.72	33.53	46.00	-12.47	Peak	HORIZONTAL
5	649.83	30.50	2.13	32.63	46.00	-13.37	Peak	HORIZONTAL
6	900.09	34.34	6.17	40.51	46.00	-5.49	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	600.36	34.02	1.58	35.60	46.00	-10.40	Peak	VERTICAL
2	651.77	30.49	2.18	32.67	46.00	-13.33	Peak	VERTICAL
3	730.34	29.72	3.60	33.32	46.00	-12.68	Peak	VERTICAL
4	764.29	31.68	4.35	36.03	46.00	-9.97	Peak	VERTICAL
5	861.29	30.47	5.45	35.92	46.00	-10.08	Peak	VERTICAL
6	950.53	29.56	7.24	36.80	46.00	-9.20	Peak	VERTICAL
1	600.36	40.04	1.58	41.62	46.00	-4.38	Peak	HORIZONTAL
2	608.12	34.17	1.76	35.93	46.00	-10.07	Peak	HORIZONTAL
3	614.91	32.72	1.72	34.44	46.00	-11.56	Peak	HORIZONTAL
4	623.64	32.37	1.75	34.12	46.00	-11.88	Peak	HORIZONTAL
5	825.40	30.36	5.19	35.55	46.00	-10.45	Peak	HORIZONTAL
6	900.09	33.87	6.17	40.04	46.00	-5.96	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-2C, 802.11n HT20 mode)

Operation Mode	TX MODE	Test Date	2020/12/30
Channel Number	CH Low	Test By	Barry
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	600.36	32.30	1.58	33.88	46.00	-12.12	Peak	VERTICAL
2	673.11	29.87	2.36	32.23	46.00	-13.77	Peak	VERTICAL
3	749.74	30.02	3.97	33.99	46.00	-12.01	Peak	VERTICAL
4	828.31	30.23	5.14	35.37	46.00	-10.63	Peak	VERTICAL
5	921.43	29.54	6.79	36.33	46.00	-9.67	Peak	VERTICAL
6	953.44	29.40	7.25	36.65	46.00	-9.35	Peak	VERTICAL
1	599.39	38.19	1.55	39.74	46.00	-6.26	Peak	HORIZONTAL
2	615.88	32.56	1.72	34.28	46.00	-11.72	Peak	HORIZONTAL
3	711.91	29.74	3.13	32.87	46.00	-13.13	Peak	HORIZONTAL
4	750.71	30.24	4.01	34.25	46.00	-11.75	Peak	HORIZONTAL
5	835.10	30.50	5.16	35.66	46.00	-10.34	Peak	HORIZONTAL
6	900.09	34.98	6.17	41.15	46.00	-4.85	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
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	600.36	35.98	1.58	37.56	46.00	-8.44	Peak	VERTICAL
2	720.64	30.28	3.27	33.55	46.00	-12.45	Peak	VERTICAL
3	781.75	30.75	4.41	35.16	46.00	-10.84	Peak	VERTICAL
4	827.34	30.16	5.16	35.32	46.00	-10.68	Peak	VERTICAL
5	920.46	29.51	6.78	36.29	46.00	-9.71	Peak	VERTICAL
6	944.71	31.15	7.11	38.26	46.00	-7.74	Peak	VERTICAL
1	600.36	38.21	1.58	39.79	46.00	-6.21	Peak	HORIZONTAL
2	659.53	29.92	2.44	32.36	46.00	-13.64	Peak	HORIZONTAL
3	749.74	30.46	3.97	34.43	46.00	-11.57	Peak	HORIZONTAL
4	824.43	30.53	5.18	35.71	46.00	-10.29	Peak	HORIZONTAL
5	860.32	30.21	5.47	35.68	46.00	-10.32	Peak	HORIZONTAL
6	900.09	32.85	6.17	39.02	46.00	-6.98	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	600.36	33.26	1.58	34.84	46.00	-11.16	Peak	VERTICAL
2	670.20	29.78	2.29	32.07	46.00	-13.93	Peak	VERTICAL
3	715.79	30.21	3.16	33.37	46.00	-12.63	Peak	VERTICAL
4	742.95	30.51	3.81	34.32	46.00	-11.68	Peak	VERTICAL
5	885.54	30.13	5.91	36.04	46.00	-9.96	Peak	VERTICAL
6	944.71	30.89	7.11	38.00	46.00	-8.00	Peak	VERTICAL
1	600.36	39.02	1.58	40.60	46.00	-5.40	Peak	HORIZONTAL
2	612.00	32.52	1.77	34.29	46.00	-11.71	Peak	HORIZONTAL
3	760.41	29.67	4.41	34.08	46.00	-11.92	Peak	HORIZONTAL
4	886.51	29.66	5.91	35.57	46.00	-10.43	Peak	HORIZONTAL
5	900.09	33.07	6.17	39.24	46.00	-6.76	Peak	HORIZONTAL
6	930.16	30.73	6.93	37.66	46.00	-8.34	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 HT40 mode)

Operation Mode	TX MODE	Test Date	2020/12/30
Channel Number	CH Low	Test By	Barry
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	600.36	32.21	1.58	33.79	46.00	-12.21	Peak	VERTICAL
2	642.07	31.61	2.01	33.62	46.00	-12.38	Peak	VERTICAL
3	704.15	30.22	3.10	33.32	46.00	-12.68	Peak	VERTICAL
4	744.89	31.04	3.86	34.90	46.00	-11.10	Peak	VERTICAL
5	805.03	30.79	4.60	35.39	46.00	-10.61	Peak	VERTICAL
6	919.49	30.26	6.74	37.00	46.00	-9.00	Peak	VERTICAL
1	600.36	40.34	1.58	41.92	46.00	-4.08	Peak	HORIZONTAL
2	704.15	30.09	3.10	33.19	46.00	-12.81	Peak	HORIZONTAL
3	728.40	30.35	3.54	33.89	46.00	-12.11	Peak	HORIZONTAL
4	806.00	31.19	4.60	35.79	46.00	-10.21	Peak	HORIZONTAL
5	850.62	30.68	5.34	36.02	46.00	-9.98	Peak	HORIZONTAL
6	901.06	33.12	6.17	39.29	46.00	-6.71	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
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	600.36	33.75	1.58	35.33	46.00	-10.67	Peak	VERTICAL
2	697.36	29.86	3.03	32.89	46.00	-13.11	Peak	VERTICAL
3	761.38	31.32	4.40	35.72	46.00	-10.28	Peak	VERTICAL
4	792.42	30.95	4.65	35.60	46.00	-10.40	Peak	VERTICAL
5	821.52	30.33	5.04	35.37	46.00	-10.63	Peak	VERTICAL
6	888.45	30.63	5.91	36.54	46.00	-9.46	Peak	VERTICAL
1	600.36	38.43	1.58	40.01	46.00	-5.99	Peak	HORIZONTAL
2	687.66	30.60	2.86	33.46	46.00	-12.54	Peak	HORIZONTAL
3	749.74	30.38	3.97	34.35	46.00	-11.65	Peak	HORIZONTAL
4	806.97	30.26	4.60	34.86	46.00	-11.14	Peak	HORIZONTAL
5	901.06	36.70	6.17	42.87	46.00	-3.13	Peak	HORIZONTAL
6	946.65	30.98	7.15	38.13	46.00	-7.87	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	600.36	35.01	1.58	36.59	46.00	-9.41	Peak	VERTICAL
2	695.42	29.57	2.98	32.55	46.00	-13.45	Peak	VERTICAL
3	768.17	29.89	4.29	34.18	46.00	-11.82	Peak	VERTICAL
4	785.63	31.20	4.44	35.64	46.00	-10.36	Peak	VERTICAL
5	851.59	30.03	5.37	35.40	46.00	-10.60	Peak	VERTICAL
6	936.95	31.50	7.06	38.56	46.00	-7.44	Peak	VERTICAL
1	600.36	38.05	1.58	39.63	46.00	-6.37	Peak	HORIZONTAL
2	659.53	30.16	2.44	32.60	46.00	-13.40	Peak	HORIZONTAL
3	737.13	30.69	3.67	34.36	46.00	-11.64	Peak	HORIZONTAL
4	826.37	30.04	5.18	35.22	46.00	-10.78	Peak	HORIZONTAL
5	885.54	29.43	5.91	35.34	46.00	-10.66	Peak	HORIZONTAL
6	901.06	34.38	6.17	40.55	46.00	-5.45	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	599.39	33.24	1.55	34.79	46.00	-11.21	Peak	VERTICAL
2	691.54	29.31	2.95	32.26	46.00	-13.74	Peak	VERTICAL
3	755.56	30.45	4.22	34.67	46.00	-11.33	Peak	VERTICAL
4	822.49	29.30	5.09	34.39	46.00	-11.61	Peak	VERTICAL
5	894.27	29.84	6.03	35.87	46.00	-10.13	Peak	VERTICAL
6	935.01	29.89	7.06	36.95	46.00	-9.05	Peak	VERTICAL
1	587.75	35.09	1.17	36.26	46.00	-9.74	Peak	HORIZONTAL
2	600.36	40.47	1.58	42.05	46.00	-3.95	Peak	HORIZONTAL
3	693.48	30.18	2.96	33.14	46.00	-12.86	Peak	HORIZONTAL
4	824.43	31.45	5.18	36.63	46.00	-9.37	Peak	HORIZONTAL
5	886.51	30.94	5.91	36.85	46.00	-9.15	Peak	HORIZONTAL
6	901.06	34.14	6.17	40.31	46.00	-5.69	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	600.36	32.89	1.58	34.47	46.00	-11.53	Peak	VERTICAL
2	709.97	31.59	3.12	34.71	46.00	-11.29	Peak	VERTICAL
3	756.53	30.37	4.27	34.64	46.00	-11.36	Peak	VERTICAL
4	794.36	31.04	4.65	35.69	46.00	-10.31	Peak	VERTICAL
5	839.95	31.28	5.17	36.45	46.00	-9.55	Peak	VERTICAL
6	921.43	29.07	6.79	35.86	46.00	-10.14	Peak	VERTICAL
1	600.36	40.16	1.58	41.74	46.00	-4.26	Peak	HORIZONTAL
2	608.12	33.77	1.76	35.53	46.00	-10.47	Peak	HORIZONTAL
3	750.71	30.49	4.01	34.50	46.00	-11.50	Peak	HORIZONTAL
4	776.90	30.36	4.33	34.69	46.00	-11.31	Peak	HORIZONTAL
5	837.04	30.51	5.16	35.67	46.00	-10.33	Peak	HORIZONTAL
6	900.09	36.67	6.17	42.84	46.00	-3.16	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, 802.11a mode)

Operation Mode	TX MODE	Test Date	2020/12/30
Channel Number	CH Low	Test By	Barry
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	600.36	32.58	1.58	34.16	46.00	-11.84	Peak	VERTICAL
2	703.18	29.99	3.10	33.09	46.00	-12.91	Peak	VERTICAL
3	832.19	31.05	5.14	36.19	46.00	-9.81	Peak	VERTICAL
4	853.53	30.78	5.42	36.20	46.00	-9.80	Peak	VERTICAL
5	910.76	30.92	6.35	37.27	46.00	-8.73	Peak	VERTICAL
6	949.56	31.11	7.23	38.34	46.00	-7.66	Peak	VERTICAL
1	600.36	39.44	1.58	41.02	46.00	-4.98	Peak	HORIZONTAL
2	615.88	32.13	1.72	33.85	46.00	-12.15	Peak	HORIZONTAL
3	699.30	29.88	3.07	32.95	46.00	-13.05	Peak	HORIZONTAL
4	729.37	29.88	3.57	33.45	46.00	-12.55	Peak	HORIZONTAL
5	820.55	29.97	5.00	34.97	46.00	-11.03	Peak	HORIZONTAL
6	900.09	33.59	6.17	39.76	46.00	-6.24	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
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	600.36	34.45	1.58	36.03	46.00	-9.97	Peak	VERTICAL
2	657.59	29.74	2.36	32.10	46.00	-13.90	Peak	VERTICAL
3	719.67	29.86	3.25	33.11	46.00	-12.89	Peak	VERTICAL
4	773.02	31.12	4.27	35.39	46.00	-10.61	Peak	VERTICAL
5	852.56	30.76	5.39	36.15	46.00	-9.85	Peak	VERTICAL
6	931.13	30.09	6.95	37.04	46.00	-8.96	Peak	VERTICAL
1	600.36	39.78	1.58	41.36	46.00	-4.64	Peak	HORIZONTAL
2	624.61	34.75	1.75	36.50	46.00	-9.50	Peak	HORIZONTAL
3	683.78	30.67	2.71	33.38	46.00	-12.62	Peak	HORIZONTAL
4	793.39	30.11	4.65	34.76	46.00	-11.24	Peak	HORIZONTAL
5	900.09	32.50	6.17	38.67	46.00	-7.33	Peak	HORIZONTAL
6	937.92	30.67	7.08	37.75	46.00	-8.25	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	600.36	36.97	1.58	38.55	46.00	-7.45	Peak	VERTICAL
2	641.10	30.85	2.01	32.86	46.00	-13.14	Peak	VERTICAL
3	726.46	29.97	3.45	33.42	46.00	-12.58	Peak	VERTICAL
4	778.84	30.37	4.37	34.74	46.00	-11.26	Peak	VERTICAL
5	855.47	29.87	5.45	35.32	46.00	-10.68	Peak	VERTICAL
6	893.30	30.76	6.01	36.77	46.00	-9.23	Peak	VERTICAL
1	600.36	38.95	1.58	40.53	46.00	-5.47	Peak	HORIZONTAL
2	610.06	32.82	1.80	34.62	46.00	-11.38	Peak	HORIZONTAL
3	614.91	32.88	1.72	34.60	46.00	-11.40	Peak	HORIZONTAL
4	734.22	29.64	3.62	33.26	46.00	-12.74	Peak	HORIZONTAL
5	785.63	30.80	4.44	35.24	46.00	-10.76	Peak	HORIZONTAL
6	900.09	34.25	6.17	40.42	46.00	-5.58	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	600.36	35.32	1.58	36.90	46.00	-9.10	Peak	VERTICAL
2	629.46	31.45	1.85	33.30	46.00	-12.70	Peak	VERTICAL
3	747.80	30.16	3.93	34.09	46.00	-11.91	Peak	VERTICAL
4	822.49	29.55	5.09	34.64	46.00	-11.36	Peak	VERTICAL
5	893.30	29.77	6.01	35.78	46.00	-10.22	Peak	VERTICAL
6	929.19	29.84	6.91	36.75	46.00	-9.25	Peak	VERTICAL
1	600.36	38.46	1.58	40.04	46.00	-5.96	Peak	HORIZONTAL
2	642.07	29.77	2.01	31.78	46.00	-14.22	Peak	HORIZONTAL
3	689.60	30.25	2.93	33.18	46.00	-12.82	Peak	HORIZONTAL
4	780.78	30.38	4.40	34.78	46.00	-11.22	Peak	HORIZONTAL
5	867.11	30.02	5.45	35.47	46.00	-10.53	Peak	HORIZONTAL
6	900.09	33.80	6.17	39.97	46.00	-6.03	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
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	600.36	34.31	1.58	35.89	46.00	-10.11	Peak	VERTICAL
2	612.00	31.39	1.77	33.16	46.00	-12.84	Peak	VERTICAL
3	704.15	30.64	3.10	33.74	46.00	-12.26	Peak	VERTICAL
4	746.83	30.34	3.91	34.25	46.00	-11.75	Peak	VERTICAL
5	833.16	30.15	5.14	35.29	46.00	-10.71	Peak	VERTICAL
6	931.13	30.30	6.95	37.25	46.00	-8.75	Peak	VERTICAL
1	600.36	40.38	1.58	41.96	46.00	-4.04	Peak	HORIZONTAL
2	614.91	32.66	1.72	34.38	46.00	-11.62	Peak	HORIZONTAL
3	676.02	30.10	2.45	32.55	46.00	-13.45	Peak	HORIZONTAL
4	773.02	30.45	4.27	34.72	46.00	-11.28	Peak	HORIZONTAL
5	833.16	29.88	5.14	35.02	46.00	-10.98	Peak	HORIZONTAL
6	900.09	34.08	6.17	40.25	46.00	-5.75	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	600.36	33.83	1.58	35.41	46.00	-10.59	Peak	VERTICAL
2	638.19	29.94	2.03	31.97	46.00	-14.03	Peak	VERTICAL
3	652.74	30.74	2.19	32.93	46.00	-13.07	Peak	VERTICAL
4	720.64	39.52	3.27	42.79	46.00	-3.21	Peak	VERTICAL
5	794.36	32.03	4.65	36.68	46.00	-9.32	Peak	VERTICAL
6	941.80	30.59	7.09	37.68	46.00	-8.32	Peak	VERTICAL
1	547.01	29.87	0.30	30.17	46.00	-15.83	Peak	HORIZONTAL
2	588.72	33.35	1.21	34.56	46.00	-11.44	Peak	HORIZONTAL
3	600.36	42.00	1.58	43.58	46.00	-2.42	Peak	HORIZONTAL
4	612.97	33.19	1.76	34.95	46.00	-11.05	Peak	HORIZONTAL
5	660.50	30.64	2.44	33.08	46.00	-12.92	Peak	HORIZONTAL
6	900.09	36.05	6.17	42.22	46.00	-3.78	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	600.36	34.22	1.58	35.80	46.00	-10.20	Peak	VERTICAL
2	682.81	30.94	2.69	33.63	46.00	-12.37	Peak	VERTICAL
3	736.16	31.03	3.65	34.68	46.00	-11.32	Peak	VERTICAL
4	799.21	30.23	4.59	34.82	46.00	-11.18	Peak	VERTICAL
5	861.29	30.25	5.45	35.70	46.00	-10.30	Peak	VERTICAL
6	928.22	31.21	6.88	38.09	46.00	-7.91	Peak	VERTICAL
1	600.36	38.07	1.58	39.65	46.00	-6.35	Peak	HORIZONTAL
2	657.59	30.72	2.36	33.08	46.00	-12.92	Peak	HORIZONTAL
3	773.99	30.47	4.27	34.74	46.00	-11.26	Peak	HORIZONTAL
4	841.89	30.92	5.19	36.11	46.00	-9.89	Peak	HORIZONTAL
5	900.09	33.86	6.17	40.03	46.00	-5.97	Peak	HORIZONTAL
6	942.77	31.19	7.09	38.28	46.00	-7.72	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	600.36	41.44	1.58	43.02	46.00	-2.98	Peak	VERTICAL
2	688.63	29.62	2.90	32.52	46.00	-13.48	Peak	VERTICAL
3	774.96	30.40	4.27	34.67	46.00	-11.33	Peak	VERTICAL
4	821.52	29.65	5.04	34.69	46.00	-11.31	Peak	VERTICAL
5	838.98	30.18	5.17	35.35	46.00	-10.65	Peak	VERTICAL
6	910.76	30.65	6.35	37.00	46.00	-9.00	Peak	VERTICAL
1	600.36	40.08	1.58	41.66	46.00	-4.34	Peak	HORIZONTAL
2	607.15	36.45	1.74	38.19	46.00	-7.81	Peak	HORIZONTAL
3	621.70	32.82	1.75	34.57	46.00	-11.43	Peak	HORIZONTAL
4	841.89	31.05	5.19	36.24	46.00	-9.76	Peak	HORIZONTAL
5	855.47	30.90	5.45	36.35	46.00	-9.65	Peak	HORIZONTAL
6	900.09	32.95	6.17	39.12	46.00	-6.88	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	600.36	35.75	1.58	37.33	46.00	-8.67	Peak	VERTICAL
2	611.03	30.77	1.78	32.55	46.00	-13.45	Peak	VERTICAL
3	708.03	30.44	3.12	33.56	46.00	-12.44	Peak	VERTICAL
4	799.21	30.38	4.59	34.97	46.00	-11.03	Peak	VERTICAL
5	839.95	30.02	5.17	35.19	46.00	-10.81	Peak	VERTICAL
6	948.59	31.17	7.19	38.36	46.00	-7.64	Peak	VERTICAL
1	600.36	40.38	1.58	41.96	46.00	-4.04	Peak	HORIZONTAL
2	646.92	29.55	2.06	31.61	46.00	-14.39	Peak	HORIZONTAL
3	743.92	30.09	3.84	33.93	46.00	-12.07	Peak	HORIZONTAL
4	759.44	30.39	4.40	34.79	46.00	-11.21	Peak	HORIZONTAL
5	852.56	30.15	5.39	35.54	46.00	-10.46	Peak	HORIZONTAL
6	900.09	33.28	6.17	39.45	46.00	-6.55	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	43.75	2.66	46.41	68.20	-21.79	Peak	VERTICAL
2	15540.00	43.28	9.25	52.53	74.00	-21.47	Peak	VERTICAL
1	10360.00	43.43	2.66	46.09	68.20	-22.11	Peak	HORIZONTAL
2	15540.00	43.93	9.25	53.18	74.00	-20.82	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
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	43.86	3.05	46.91	68.20	-21.29	Peak	VERTICAL
2	15780.00	43.14	9.47	52.61	74.00	-21.39	Peak	VERTICAL
1	10520.00	43.63	3.05	46.68	68.20	-21.52	Peak	HORIZONTAL
2	15780.00	41.99	9.47	51.46	74.00	-22.54	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	43.87	3.52	47.39	74.00	-26.61	Peak	VERTICAL
2	15960.00	41.77	9.57	51.34	74.00	-22.66	Peak	VERTICAL
1	10640.00	43.72	3.52	47.24	74.00	-26.76	Peak	HORIZONTAL
2	15960.00	41.18	9.57	50.75	74.00	-23.25	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	43.73	2.66	46.39	68.20	-21.81	Peak	VERTICAL
2	15540.00	41.88	9.25	51.13	74.00	-22.87	Peak	VERTICAL
1	10360.00	43.03	2.66	45.69	68.20	-22.51	Peak	HORIZONTAL
2	15540.00	43.09	9.25	52.34	74.00	-21.66	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
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	43.76	3.05	46.81	68.20	-21.39	Peak	VERTICAL
2	15780.00	42.54	9.47	52.01	74.00	-21.99	Peak	VERTICAL
1	10520.00	44.42	3.05	47.47	68.20	-20.73	Peak	HORIZONTAL
2	15780.00	41.87	9.47	51.34	74.00	-22.66	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	43.47	3.52	46.99	74.00	-27.01	Peak	VERTICAL
2	15960.00	41.27	9.57	50.84	74.00	-23.16	Peak	VERTICAL
1	10640.00	45.32	3.52	48.84	74.00	-25.16	Peak	HORIZONTAL
2	15960.00	41.87	9.57	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)

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

Operation Mode	TX MODE	Test Date	2020/12/30
Channel Number	CH Low	Test By	Barry
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	43.73	2.71	46.44	68.20	-21.76	Peak	VERTICAL
2	15570.00	40.91	9.24	50.15	74.00	-23.85	Peak	VERTICAL
1	10380.00	43.46	2.71	46.17	68.20	-22.03	Peak	HORIZONTAL
2	15570.00	42.80	9.24	52.04	74.00	-21.96	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10540.00	43.79	3.14	46.93	74.00	-27.07	Peak	VERTICAL
2	15810.00	40.63	9.48	50.11	74.00	-23.89	Peak	VERTICAL
1	10540.00	45.91	3.14	49.05	68.20	-19.15	Peak	HORIZONTAL
2	15810.00	41.33	9.48	50.81	74.00	-23.19	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	43.19	3.47	46.66	74.00	-27.34	Peak	VERTICAL
2	15930.00	42.34	9.52	51.86	74.00	-22.14	Peak	VERTICAL
1	10620.00	44.66	3.47	48.13	74.00	-25.87	Peak	HORIZONTAL
2	15930.00	42.98	9.52	52.50	74.00	-21.50	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)

(Band UNII-1 / Band UNII-2A, 802.11ac VHT80 mode)

Operation Mode	TX MODE	Test Date	2020/12/30
Channel Number	CH Low	Test By	Barry
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	43.10	2.79	45.89	68.20	-22.31	Peak	VERTICAL
2	15630.00	42.85	9.29	52.14	74.00	-21.86	Peak	VERTICAL
1	10420.00	44.24	2.79	47.03	68.20	-21.17	Peak	HORIZONTAL
2	15630.00	42.93	9.29	52.22	74.00	-21.78	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	44.12	3.33	47.45	68.20	-20.75	Peak	VERTICAL
2	15870.00	43.01	9.47	52.48	74.00	-21.52	Peak	VERTICAL
1	10580.00	42.60	3.33	45.93	68.20	-22.27	Peak	HORIZONTAL
2	15870.00	42.57	9.47	52.04	74.00	-21.96	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	42.91	4.14	47.05	74.00	-26.95	Peak	VERTICAL
2	16500.00	42.33	10.54	52.87	68.20	-15.33	Peak	VERTICAL
1	11000.00	42.83	4.14	46.97	74.00	-27.03	Peak	HORIZONTAL
2	16500.00	39.49	10.54	50.03	68.20	-18.17	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
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	43.51	4.46	47.97	74.00	-26.03	Peak	VERTICAL
2	16740.00	39.57	11.27	50.84	68.20	-17.36	Peak	VERTICAL
1	11160.00	44.22	4.46	48.68	74.00	-25.32	Peak	HORIZONTAL
2	16740.00	44.89	11.27	56.16	68.20	-12.04	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	42.87	5.00	47.87	74.00	-26.13	Peak	VERTICAL
2	17100.00	40.62	11.03	51.65	68.20	-16.55	Peak	VERTICAL
1	11400.00	42.24	5.00	47.24	74.00	-26.76	Peak	HORIZONTAL
2	17100.00	39.72	11.03	50.75	68.20	-17.45	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	43.53	4.14	47.67	74.00	-26.33	Peak	VERTICAL
2	16500.00	39.53	10.54	50.07	68.20	-18.13	Peak	VERTICAL
1	11000.00	43.03	4.14	47.17	74.00	-26.83	Peak	HORIZONTAL
2	16500.00	41.14	10.54	51.68	68.20	-16.52	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
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	43.38	4.46	47.84	74.00	-26.16	Peak	VERTICAL
2	16740.00	41.20	11.27	52.47	68.20	-15.73	Peak	VERTICAL
1	11160.00	43.96	4.46	48.42	74.00	-25.58	Peak	HORIZONTAL
2	16740.00	39.99	11.27	51.26	68.20	-16.94	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	43.09	5.00	48.09	74.00	-25.91	Peak	VERTICAL
2	17100.00	41.52	11.03	52.55	68.20	-15.65	Peak	VERTICAL
1	11400.00	42.18	5.00	47.18	74.00	-26.82	Peak	HORIZONTAL
2	17100.00	39.72	11.03	50.75	74.00	-23.25	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	43.95	4.17	48.12	74.00	-25.88	Peak	VERTICAL
2	16530.00	40.91	10.56	51.47	68.20	-16.73	Peak	VERTICAL
1	11020.00	43.07	4.17	47.24	74.00	-26.76	Peak	HORIZONTAL
2	16530.00	40.85	10.56	51.41	68.20	-16.79	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11100.00	41.91	4.30	46.21	74.00	-27.79	Peak	VERTICAL
2	16650.00	38.93	10.91	49.84	68.20	-18.36	Peak	VERTICAL
1	11100.00	43.11	4.30	47.41	74.00	-26.59	Peak	HORIZONTAL
2	16650.00	43.50	10.91	54.41	68.20	-13.79	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	2020/12/30
Channel Number	CH High	Test By	Barry
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11340.00	42.83	4.90	47.73	74.00	-26.27	Peak	VERTICAL
2	17010.00	40.20	11.12	51.32	68.20	-16.88	Peak	VERTICAL
1	11340.00	42.76	4.90	47.66	74.00	-26.34	Peak	HORIZONTAL
2	17010.00	42.47	11.12	53.59	68.20	-14.61	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)

(Band UNII-2C, 802.11ac VHT80 mode)

Operation Mode	TX MODE	Test Date	2020/12/30
Channel Number	CH Low	Test By	Barry
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	42.37	4.24	46.61	74.00	-27.39	Peak	VERTICAL
2	16590.00	43.85	10.61	54.46	68.20	-13.74	Peak	VERTICAL
1	11060.00	42.07	4.24	46.31	74.00	-27.69	Peak	HORIZONTAL
2	16590.00	42.43	10.61	53.04	68.20	-15.16	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	2020/12/30
Channel Number	CH High	Test By	Barry
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11220.00	44.57	4.62	49.19	74.00	-24.81	Peak	VERTICAL
2	16830.00	43.36	11.28	54.64	68.20	-13.56	Peak	VERTICAL
1	11220.00	41.99	4.62	46.61	74.00	-27.39	Peak	HORIZONTAL
2	16830.00	42.36	11.28	53.64	68.20	-14.56	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)

(Band UNII-3, 802.11a mode)

Operation Mode	TX MODE	Test Date	2020/12/30
Channel Number	CH Low	Test By	Barry
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	41.02	5.33	46.35	74.00	-27.65	Peak	VERTICAL
2	17235.00	41.99	10.76	52.75	68.20	-15.45	Peak	VERTICAL
1	11490.00	42.14	5.33	47.47	74.00	11490.00	Peak	HORIZONTAL
2	17235.00	43.64	10.76	54.40	68.20	17235.00	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
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	42.71	5.54	48.25	74.00	-25.75	Peak	VERTICAL
2	17355.00	43.25	10.68	53.93	68.20	-14.27	Peak	VERTICAL
1	11570.00	42.49	5.54	48.03	74.00	-25.97	Peak	HORIZONTAL
2	17355.00	44.06	10.68	54.74	68.20	-13.46	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	2020/12/30
Channel Number	CH High	Test By	Barry
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	44.00	5.75	49.75	74.00	-24.25	Peak	VERTICAL
2	17475.00	41.42	10.42	51.84	68.20	-16.36	Peak	VERTICAL
1	11650.00	43.41	5.75	49.16	74.00	-24.84	Peak	HORIZONTAL
2	17475.00	42.30	10.42	52.72	68.20	-15.48	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	42.45	5.33	47.78	74.00	-26.22	Peak	VERTICAL
2	17235.00	39.59	10.76	50.35	68.20	-17.85	Peak	VERTICAL
1	11490.00	41.75	5.33	47.08	74.00	-26.92	Peak	HORIZONTAL
2	17235.00	41.12	10.76	51.88	68.20	-16.32	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	2020/12/30
Channel Number	CH Mid	Test By	Barry
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	43.54	5.54	49.08	74.00	-24.92	Peak	VERTICAL
2	17355.00	43.27	10.68	53.95	68.20	-14.25	Peak	VERTICAL
1	11570.00	42.27	5.54	47.81	74.00	-26.19	Peak	HORIZONTAL
2	17355.00	42.84	10.68	53.52	68.20	-14.68	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)

Operation Mode	TX MODE	Test Date	2020/12/30
Channel Number	CH High	Test By	Barry
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	5.75	49.14	74.00	-24.86	Peak	VERTICAL
2	17475.00	42.98	10.42	53.40	68.20	-14.80	Peak	VERTICAL
1	11650.00	42.51	5.75	48.26	74.00	-25.74	Peak	HORIZONTAL
2	17475.00	42.27	10.42	52.69	68.20	-15.51	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	41.95	5.39	47.34	74.00	-26.66	Peak	VERTICAL
2	17265.00	42.47	10.69	53.16	68.20	-15.04	Peak	VERTICAL
1	11510.00	43.77	5.39	49.16	74.00	-24.84	Peak	HORIZONTAL
2	17265.00	44.02	10.69	54.71	68.20	-13.49	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	2020/12/30
Channel Number	CH High	Test By	Barry
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11590.00	42.49	5.60	48.09	74.00	-25.91	Peak	VERTICAL
2	17385.00	42.52	10.70	53.22	68.20	-14.98	Peak	VERTICAL
1	11590.00	41.83	5.60	47.43	74.00	-26.57	Peak	HORIZONTAL
2	17385.00	42.56	10.70	53.26	68.20	-14.94	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	2020/12/30
Channel Number	CH Low	Test By	Barry
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	42.54	5.49	48.03	74.00	-25.97	Peak	VERTICAL
2	17325.00	42.76	10.65	53.41	68.20	-14.79	Peak	VERTICAL
1	11550.00	41.20	5.49	46.69	74.00	-27.31	Peak	HORIZONTAL
2	17325.00	42.31	10.65	52.96	68.20	-15.24	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	2020/12/30
Channel Number	5180 MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5136.87	55.25	-6.36	48.89	54.00	-5.11	Average	VERTICAL
2	5136.87	69.30	-6.36	62.94	74.00	-11.06	Peak	VERTICAL
3	5150.00	59.78	-6.29	53.49	54.00	-0.51	Average	VERTICAL
4	5150.00	73.41	-6.29	67.12	68.20	-1.08	Peak	VERTICAL
5	5181.03	113.34	-6.06	107.28	F	--	Peak	VERTICAL
1	5138.94	52.99	-6.35	46.64	54.00	-7.36	Average	HORIZONTAL
2	5138.94	71.25	-6.35	64.90	74.00	-9.10	Peak	HORIZONTAL
3	5149.98	59.81	-6.29	53.52	54.00	-0.48	Average	HORIZONTAL
4	5149.98	77.67	-6.29	71.38	74.00	-2.62	Peak	HORIZONTAL
5	5183.10	114.56	-6.04	108.52	F	--	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.

Operation Mode	TX CH High	Test Date	2020/12/30
Channel Number	5320MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5317.14	112.46	-5.68	106.78	F	--	Peak	VERTICAL
2	5350.00	54.98	-5.50	49.48	54.00	-4.52	Average	VERTICAL
3	5350.00	67.97	-5.50	62.47	68.20	-5.73	Peak	VERTICAL
4	5353.54	53.37	-5.49	47.88	54.00	-6.12	Average	VERTICAL
5	5353.54	68.87	-5.49	63.38	74.00	-10.62	Peak	VERTICAL
1	5319.10	113.54	-5.66	107.88	F	--	Peak	HORIZONTAL
2	5350.00	55.29	-5.50	49.79	54.00	-4.21	Average	HORIZONTAL
3	5350.00	65.96	-5.50	60.46	68.20	-7.74	Peak	HORIZONTAL
4	5351.16	55.34	-5.50	49.84	54.00	-4.16	Average	HORIZONTAL
5	5351.16	68.33	-5.50	62.83	74.00	-11.17	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	2020/12/30
Channel Number	5180 MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5144.46	52.45	-6.32	46.13	54.00	-7.87	Average	VERTICAL
2	5144.46	69.90	-6.32	63.58	74.00	-10.42	Peak	VERTICAL
3	5150.00	56.22	-6.29	49.93	54.00	-4.07	Average	VERTICAL
4	5150.00	71.21	-6.29	64.92	68.20	-3.28	Peak	VERTICAL
5	5181.72	111.70	-6.05	105.65	F	--	Peak	VERTICAL
1	5147.22	52.44	-6.31	46.13	54.00	-7.87	Average	HORIZONTAL
2	5147.22	73.31	-6.31	67.00	74.00	-7.00	Peak	HORIZONTAL
3	5150.00	57.99	-6.29	51.70	54.00	-2.30	Average	HORIZONTAL
4	5150.00	73.27	-6.29	66.98	68.20	-1.22	Peak	HORIZONTAL
5	5183.10	112.88	-6.04	106.84	F	--	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 ≥ 1/Ton, Sweep time= 200 ms.

Operation Mode	TX CH High	Test Date	2020/12/30
Channel Number	5320MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5321.20	112.12	-5.66	106.46	F	--	Peak	VERTICAL
2	5350.04	53.17	-5.50	47.67	54.00	-6.33	Average	VERTICAL
3	5350.04	72.61	-5.50	67.11	74.00	-6.89	Peak	VERTICAL
4	5351.02	52.77	-5.50	47.27	54.00	-6.73	Average	VERTICAL
5	5351.02	74.22	-5.50	68.72	74.00	-5.28	Peak	VERTICAL
1	5318.68	113.52	-5.68	107.84	F	--	Peak	HORIZONTAL
2	5350.00	53.40	-5.50	47.90	54.00	-6.10	Average	HORIZONTAL
3	5350.00	65.46	-5.50	59.96	68.20	-8.24	Peak	HORIZONTAL
4	5350.88	55.25	-5.50	49.75	54.00	-4.25	Average	HORIZONTAL
5	5350.88	66.70	-5.50	61.20	74.00	-12.80	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 ≥ 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	2020/12/30
Channel Number	5190 MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5147.52	56.66	-6.31	50.35	54.00	-3.65	Average	VERTICAL
2	5147.52	71.12	-6.31	64.81	74.00	-9.19	Peak	VERTICAL
3	5150.00	55.69	-6.29	49.40	54.00	-4.60	Average	VERTICAL
4	5150.00	67.97	-6.29	61.68	68.20	-6.52	Peak	VERTICAL
5	5188.70	105.74	-6.01	99.73	F	--	Peak	VERTICAL
1	5141.84	53.97	-6.34	47.63	54.00	-6.37	Average	HORIZONTAL
2	5141.84	66.08	-6.34	59.74	74.00	-14.26	Peak	HORIZONTAL
3	5150.00	57.66	-6.29	51.37	54.00	-2.63	Average	HORIZONTAL
4	5150.00	67.08	-6.29	60.79	68.20	-7.41	Peak	HORIZONTAL
5	5192.25	106.83	-5.99	100.84	F	--	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 ≥ 1/Ton, Sweep time= 200 ms.

Operation Mode	TX CH High	Test Date	2020/12/30
Channel Number	5310MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5307.44	106.46	-5.73	100.73	F	--	Peak	VERTICAL
2	5350.00	54.99	-5.50	49.49	54.00	-4.51	Average	VERTICAL
3	5350.00	68.43	-5.50	62.93	68.20	-5.27	Peak	VERTICAL
4	5351.18	54.80	-5.50	49.30	54.00	-4.70	Average	VERTICAL
5	5351.18	69.21	-5.50	63.71	74.00	-10.29	Peak	VERTICAL
1	5308.34	107.72	-5.73	101.99	F	--	Peak	HORIZONTAL
2	5350.00	59.38	-5.50	53.88	54.00	-0.12	Average	HORIZONTAL
3	5350.00	67.75	-5.50	62.25	68.20	-5.95	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 ≥ 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	2020/12/30
Channel Number	5210 MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5135.25	55.46	-6.37	49.09	54.00	-4.91	Average	VERTICAL
2	5135.25	69.24	-6.37	62.87	74.00	-11.13	Peak	VERTICAL
3	5150.00	55.19	-6.29	48.90	54.00	-5.10	Average	VERTICAL
4	5150.00	70.63	-6.29	64.34	68.20	-3.86	Peak	VERTICAL
5	5222.25	102.99	-5.84	97.15	F	--	Peak	VERTICAL
1	5143.50	55.24	-6.34	48.90	54.00	-5.10	Average	HORIZONTAL
2	5143.50	72.81	-6.34	66.47	74.00	-7.53	Peak	HORIZONTAL
3	5150.00	56.61	-6.29	50.32	54.00	-3.68	Average	HORIZONTAL
4	5150.00	71.14	-6.29	64.85	68.20	-3.35	Peak	HORIZONTAL
5	5199.00	105.22	-5.93	99.29	F	--	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 ≥ 1/Ton, Sweep time= 200 ms.

Operation Mode	TX CH High	Test Date	2020/12/30
Channel Number	5290MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5286.80	103.01	-5.76	97.25	F	--	Peak	VERTICAL
2	5350.00	53.23	-5.50	47.73	54.00	-6.27	Average	VERTICAL
3	5350.00	68.90	-5.50	63.40	68.20	-4.80	Peak	VERTICAL
1	5293.80	105.07	-5.77	99.30	F	--	Peak	HORIZONTAL
2	5350.00	57.70	-5.50	52.20	54.00	-1.80	Average	HORIZONTAL
3	5350.00	70.31	-5.50	64.81	68.20	-3.39	Peak	HORIZONTAL
4	5353.40	54.99	-5.49	49.50	54.00	-4.50	Average	HORIZONTAL
5	5353.40	74.60	-5.49	69.11	74.00	-4.89	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 ≥ 1/Ton, Sweep time= 200 ms.

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

Operation Mode	TX CH Low	Test Date	2020/12/30
Channel Number	5500 MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5457.53	51.96	-5.26	46.70	54.00	-7.30	Average	VERTICAL
2	5457.53	66.11	-5.26	60.85	74.00	-13.15	Peak	VERTICAL
3	5470.00	70.33	-5.26	65.07	68.20	-3.13	Peak	VERTICAL
4	5498.34	111.66	-5.28	106.38	F	--	Peak	VERTICAL
1	5458.85	52.27	-5.26	47.01	54.00	-6.99	Average	HORIZONTAL
2	5458.85	66.54	-5.26	61.28	74.00	-12.72	Peak	HORIZONTAL
3	5470.00	68.92	-5.26	63.66	68.20	-4.54	Peak	HORIZONTAL
4	5498.23	114.66	-5.28	109.38	F	--	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.

Operation Mode	TX CH High	Test Date	2020/12/30
Channel Number	5700MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5698.96	111.78	-4.82	106.96	F	--	Peak	VERTICAL
2	5725.00	69.00	-4.73	64.27	68.20	-3.93	Peak	VERTICAL
1	5698.96	114.16	-4.82	109.34	F	--	Peak	HORIZONTAL
2	5725.00	71.91	-4.73	67.18	68.20	-1.02	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	2020/12/30
Channel Number	5500 MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5458.08	51.70	-5.26	46.44	54.00	-7.56	Average	VERTICAL
2	5458.08	64.18	-5.26	58.92	74.00	-15.08	Peak	VERTICAL
3	5470.00	68.43	-5.26	63.17	68.20	-5.03	Peak	VERTICAL
4	5498.78	113.31	-5.28	108.03	F	--	Peak	VERTICAL
1	5458.63	52.15	-5.26	46.89	54.00	-7.11	Average	HORIZONTAL
2	5458.63	66.03	-5.26	60.77	74.00	-13.23	Peak	HORIZONTAL
3	5470.00	70.14	-5.26	64.88	68.20	-3.32	Peak	HORIZONTAL
4	5501.20	113.64	-5.28	108.36	F	--	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 ≥ 1/Ton, Sweep time= 200 ms.

Operation Mode	TX CH High	Test Date	2020/12/30
Channel Number	5700MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5698.80	110.22	-4.82	105.40	F	--	Peak	VERTICAL
2	5725.00	68.40	-4.73	63.67	68.20	-4.53	Peak	VERTICAL
1	5696.56	114.61	-4.83	109.78	F	--	Peak	HORIZONTAL
2	5725.00	68.97	-4.73	64.24	68.20	-3.96	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 ≥ 1/Ton, Sweep time= 200 ms.

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

Operation Mode	TX CH Low	Test Date	2020/12/30
Channel Number	5510 MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5459.80	55.24	-5.26	49.98	54.00	-4.02	Average	VERTICAL
2	5459.80	65.01	-5.26	59.75	74.00	-14.25	Peak	VERTICAL
3	5460.06	65.14	-5.26	59.88	68.20	-8.32	Peak	VERTICAL
4	5470.00	70.10	-5.26	64.84	68.20	-3.36	Peak	VERTICAL
5	5512.06	107.29	-5.26	102.03	F	--	Peak	VERTICAL
1	5459.80	55.27	-5.26	50.01	54.00	-3.99	Average	HORIZONTAL
2	5459.80	69.49	-5.26	64.23	74.00	-9.77	Peak	HORIZONTAL
3	5460.06	70.21	-5.26	64.95	68.20	-3.25	Peak	HORIZONTAL
4	5470.00	73.06	-5.26	67.80	68.20	-0.40	Peak	HORIZONTAL
5	5512.84	109.22	-5.26	103.96	F	--	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 ≥ 1/Ton, Sweep time= 200 ms.

Operation Mode	TX CH High	Test Date	2020/12/30
Channel Number	5670MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5668.20	105.41	-5.00	100.41	F	--	Peak	VERTICAL
2	5725.00	57.91	-4.73	53.18	68.20	-15.02	Peak	VERTICAL
1	5665.80	110.11	-5.02	105.09	F	--	Peak	HORIZONTAL
2	5725.00	58.69	-4.73	53.96	68.20	-14.24	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 ≥ 1/Ton, Sweep time= 200 ms.

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

Operation Mode	TX CH Low	Test Date	2020/12/30
Channel Number	5530 MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5440.97	53.99	-5.27	48.72	54.00	-5.28	Average	VERTICAL
2	5440.97	69.16	-5.27	63.89	74.00	-10.11	Peak	VERTICAL
3	5470.00	69.51	-5.26	64.25	68.20	-3.95	Peak	VERTICAL
4	5533.28	104.92	-5.22	99.70	F	--	Peak	VERTICAL
1	5450.49	57.66	-5.25	52.41	54.00	-1.59	Average	HORIZONTAL
2	5450.49	68.27	-5.25	63.02	74.00	-10.98	Peak	HORIZONTAL
3	5470.04	67.09	-5.26	61.83	68.20	-6.37	Peak	HORIZONTAL
4	5528.52	105.82	-5.23	100.59	F	--	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.

Operation Mode	TX CH High	Test Date	2020/12/30
Channel Number	5610MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5612.84	103.60	-5.18	98.42	F	--	Peak	VERTICAL
2	5725.00	57.10	-4.73	52.37	68.20	-15.83	Peak	VERTICAL
1	5607.80	106.24	-5.18	101.06	F	--	Peak	HORIZONTAL
2	5725.00	59.60	-4.73	54.87	68.20	-13.33	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.

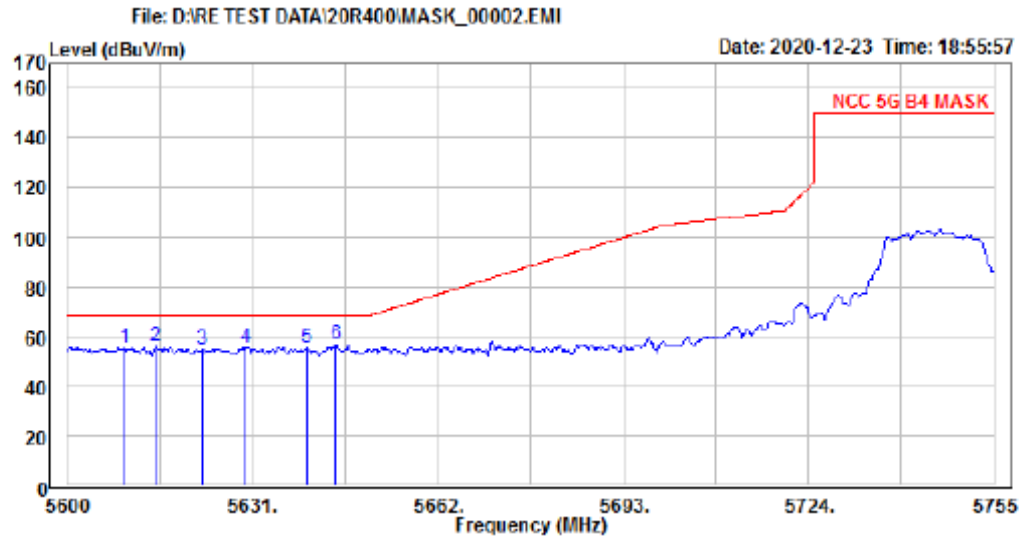
3 Measurement of data within this frequency range shown " - " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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= 2kHz, Sweep time= 200 ms.

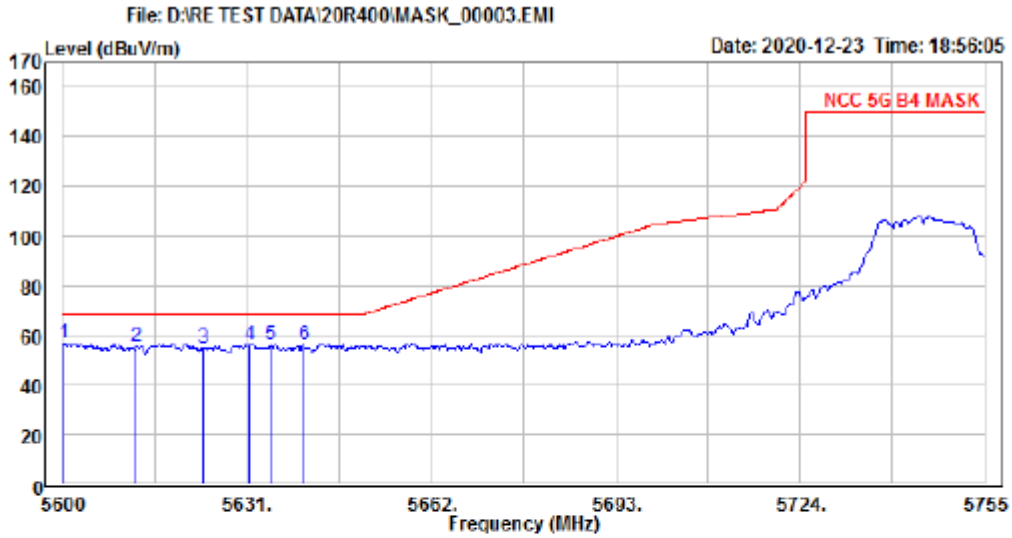
Band Edges test (Band UNII-3, 802.11a mode) –Radiated

Operation Mode	TX CH Low	Test Date	2020/12/23
Channel Number	5745 MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %




```
Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
         : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT      :
Mode     : 5G B4 a mode low ch
Note     :
```

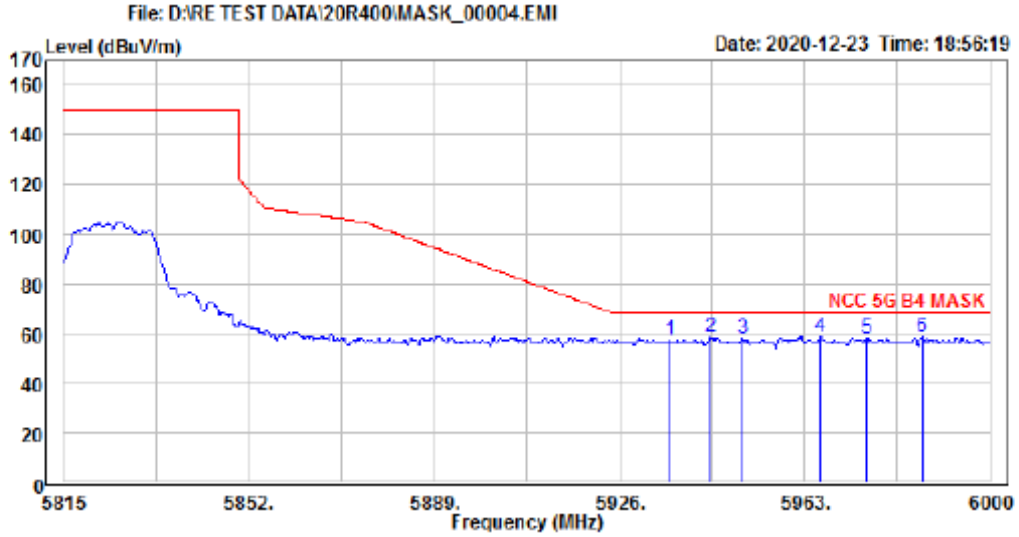
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5609.455	60.10	-4.62	55.48	68.20	-12.72	Vertical
2	5614.725	60.74	-4.64	56.10	68.20	-12.10	Vertical
3	5622.630	59.86	-4.65	55.21	68.20	-12.99	Vertical
4	5629.760	60.19	-4.67	55.52	68.20	-12.68	Vertical
5	5639.990	60.17	-4.69	55.48	68.20	-12.72	Vertical
6 PP	5644.950	61.89	-4.71	57.18	68.20	-11.02	Vertical



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 a mode low ch
Note :

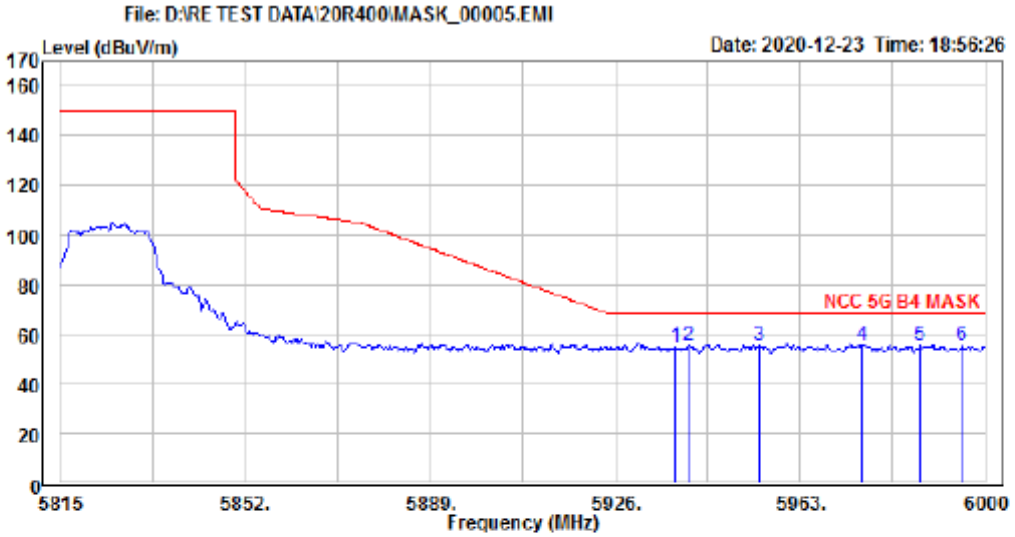
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 PP	5600.155	61.65	-4.60	57.05	68.20	-11.15	Horizontal
2	5612.400	59.96	-4.63	55.33	68.20	-12.87	Horizontal
3	5623.715	59.84	-4.65	55.19	68.20	-13.01	Horizontal
4	5631.465	60.78	-4.68	56.10	68.20	-12.10	Horizontal
5	5634.875	60.95	-4.68	56.27	68.20	-11.93	Horizontal
6	5640.455	60.80	-4.69	56.11	68.20	-12.09	Horizontal

Operation Mode	TX CH High	Test Date	2020/12/23
Channel Number	5825MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 a mode high ch
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5935.990	61.45	-3.87	57.58	68.20	-10.62	Vertical
2		5944.130	62.50	-3.88	58.62	68.20	-9.58	Vertical
3		5950.605	61.91	-3.88	58.03	68.20	-10.17	Vertical
4	PP	5966.145	62.77	-3.82	58.95	68.20	-9.25	Vertical
5		5975.395	62.01	-3.78	58.23	68.20	-9.97	Vertical
6		5986.495	62.61	-3.74	58.87	68.20	-9.33	Vertical

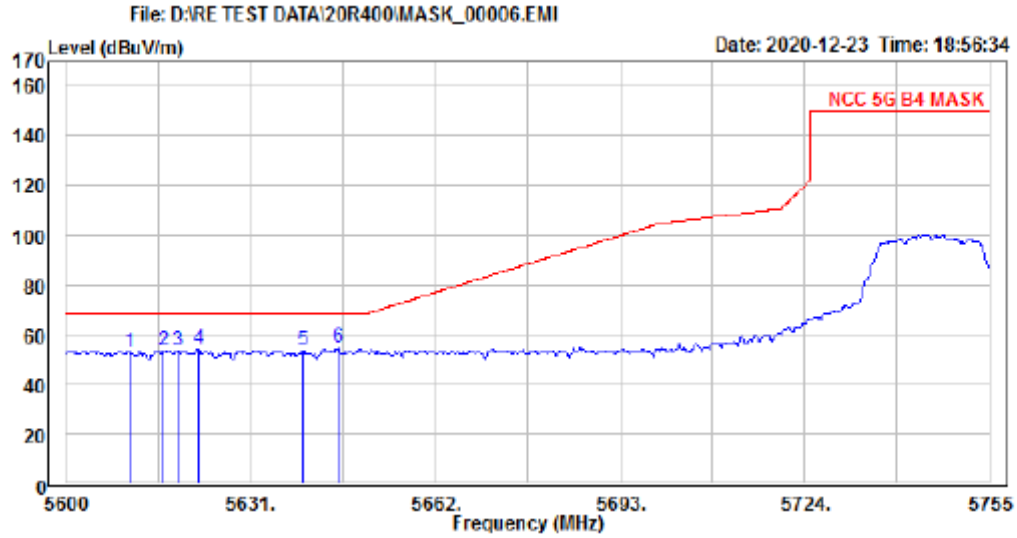


Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 9120D H 1-18G.csv Horizont
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 a mode high ch
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5938.025	61.18	-6.24	54.94	68.20	-13.26	Horizontal
2		5940.800	61.97	-6.23	55.74	68.20	-12.46	Horizontal
3		5954.860	62.01	-6.19	55.82	68.20	-12.38	Horizontal
4	PP	5975.395	61.93	-6.10	55.83	68.20	-12.37	Horizontal
5		5987.050	61.41	-6.05	55.36	68.20	-12.84	Horizontal
6		5995.375	61.32	-6.02	55.30	68.20	-12.90	Horizontal

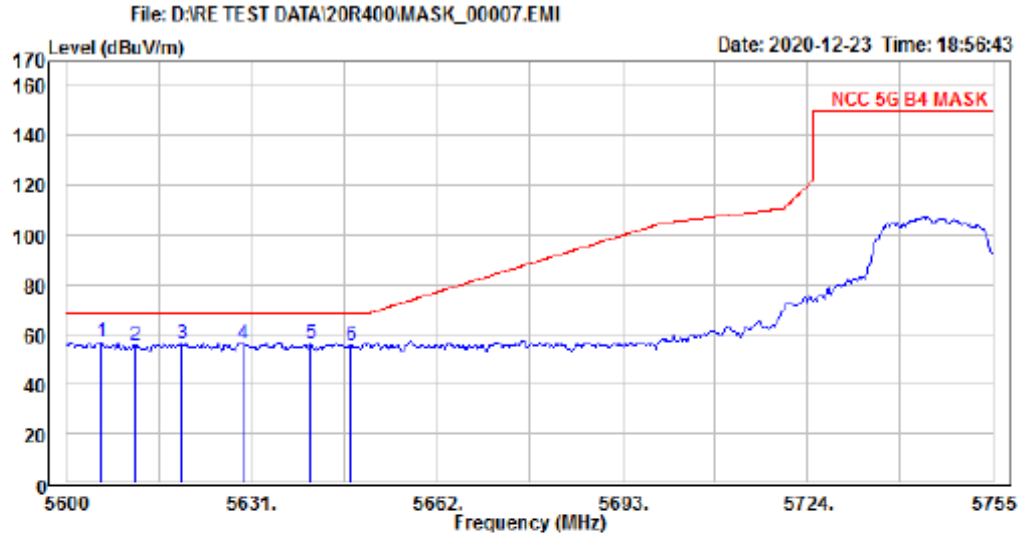
Band Edges test (Band UNII-3, 802.11n HT20 mode) –Radiated

Operation Mode	TX CH Low	Test Date	2020/12/23
Channel Number	5745 MHz	Test By	Barry
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 n20 mode low ch
Note     :
```

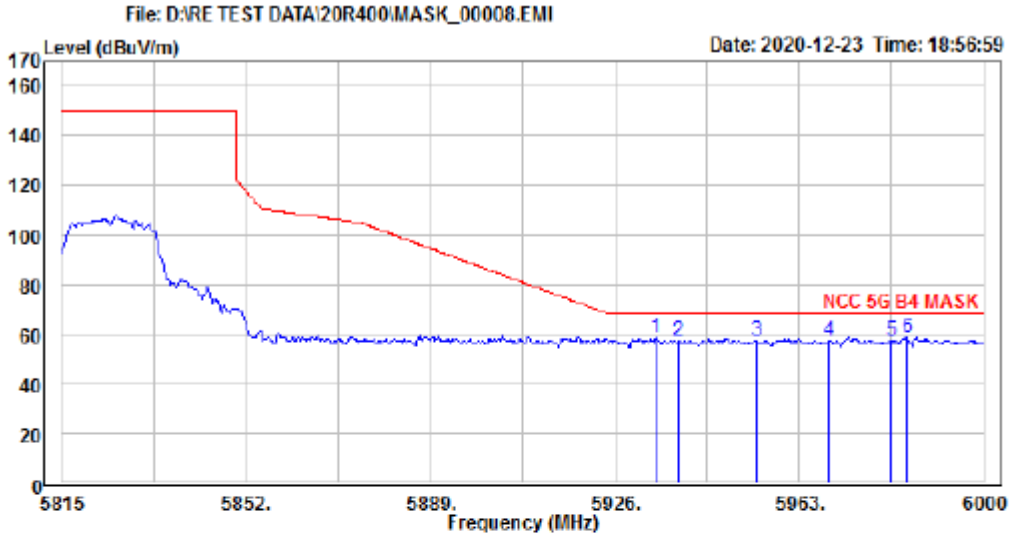
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5610.540	60.72	-7.43	53.29	68.20	-14.91	Vertical
2	5616.430	61.25	-7.41	53.84	68.20	-14.36	Vertical
3	5618.755	60.82	-7.40	53.42	68.20	-14.78	Vertical
4	5622.165	61.69	-7.39	54.30	68.20	-13.90	Vertical
5	5639.835	61.00	-7.32	53.68	68.20	-14.52	Vertical
6 PP	5645.570	62.10	-7.30	54.80	68.20	-13.40	Vertical



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 n20 mode low ch
Note :

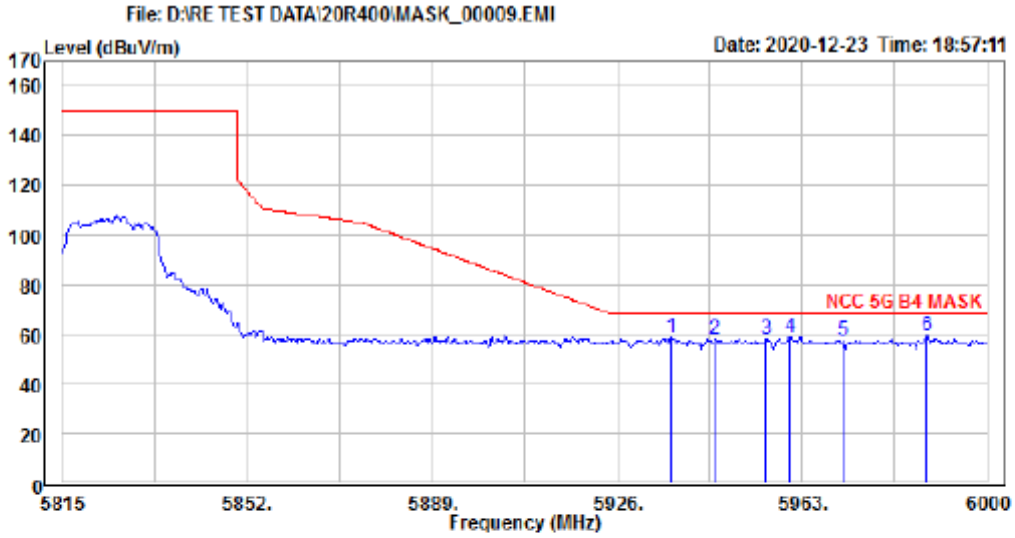
		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	PP	5605.735	61.69	-4.61	57.08	68.20	-11.12	Horizontal
2		5611.470	60.41	-4.63	55.78	68.20	-12.42	Horizontal
3		5619.220	60.85	-4.65	56.20	68.20	-12.00	Horizontal
4		5629.605	61.06	-4.67	56.39	68.20	-11.81	Horizontal
5		5640.765	60.89	-4.69	56.20	68.20	-12.00	Horizontal
6		5647.585	60.47	-4.70	55.77	68.20	-12.43	Horizontal

Operation Mode	TX CH High	Test Date	2020/12/23
Channel Number	5825 MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 n20 mode high ch
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5934.325	62.54	-3.88	58.66	68.20	-9.54	Vertical
2	5938.765	61.29	-3.88	57.41	68.20	-10.79	Vertical
3	5954.490	61.31	-3.87	57.44	68.20	-10.76	Vertical
4	5969.105	61.32	-3.80	57.52	68.20	-10.68	Vertical
5	5981.500	61.48	-3.76	57.72	68.20	-10.48	Vertical
6 PP	5984.645	62.73	-3.75	58.98	68.20	-9.22	Vertical

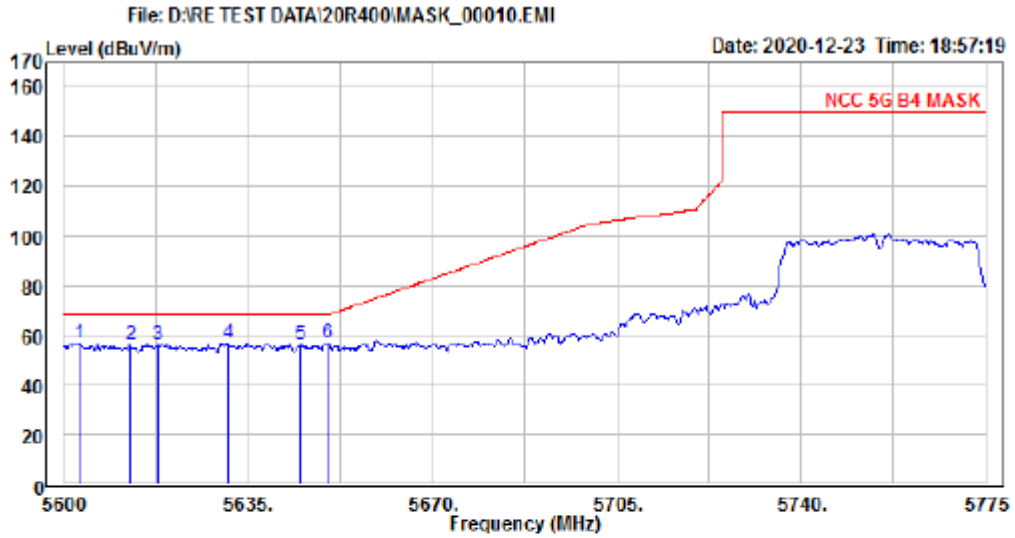


Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 n20 mode high ch
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5936.915	62.65	-3.87	58.78	68.20	-9.42	Horizontal
2	5945.610	61.87	-3.87	58.00	68.20	-10.20	Horizontal
3	5955.785	62.30	-3.85	58.45	68.20	-9.75	Horizontal
4	5960.595	62.82	-3.84	58.98	68.20	-9.22	Horizontal
5	5971.140	61.57	-3.80	57.77	68.20	-10.43	Horizontal
6 PP	5987.975	63.00	-3.73	59.27	68.20	-8.93	Horizontal

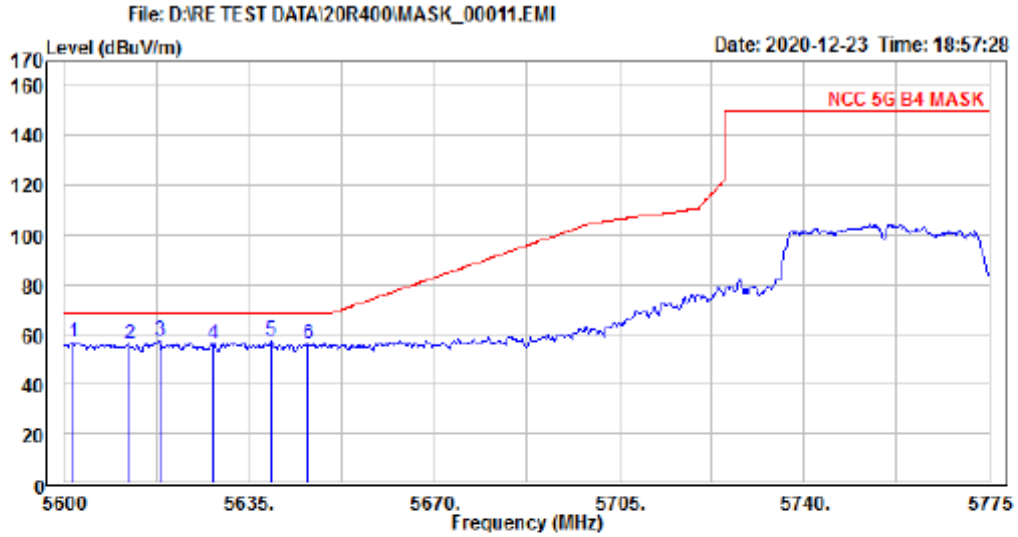
Band Edges test (Band UNII-3, 802.11n HT40 mode) –Radiated

Operation Mode	TX CH Low	Test Date	2020/12/23
Channel Number	5755 MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 n40 mode low ch
Note :

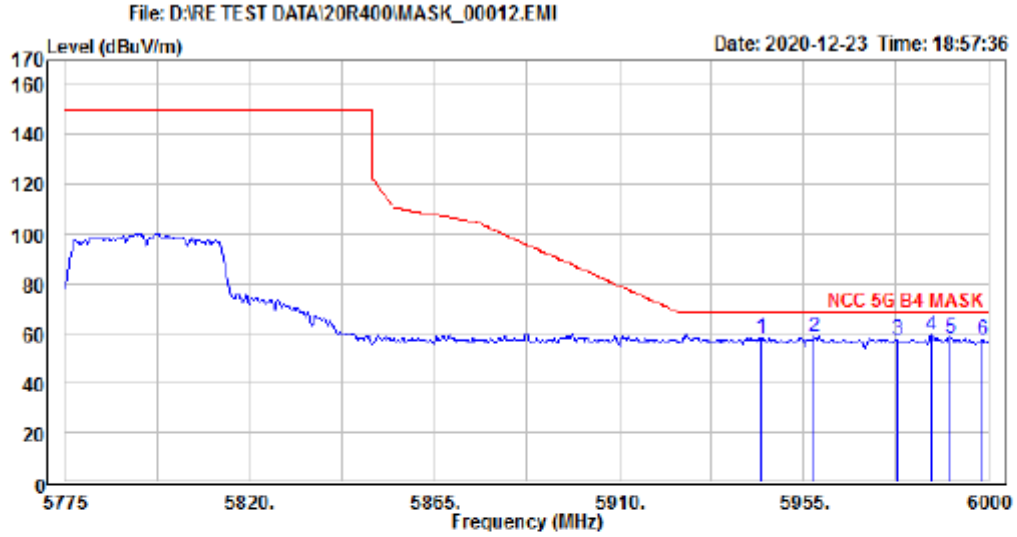
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 PP	5602.975	61.61	-4.61	57.00	68.20	-11.20	Vertical
2	5612.600	60.88	-4.63	56.25	68.20	-11.95	Vertical
3	5617.850	61.00	-4.64	56.36	68.20	-11.84	Vertical
4	5631.150	61.34	-4.67	56.67	68.20	-11.53	Vertical
5	5644.975	61.04	-4.71	56.33	68.20	-11.87	Vertical
6	5650.225	61.63	-4.71	56.92	68.37	-11.45	Vertical



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 n40 mode low ch
Note :

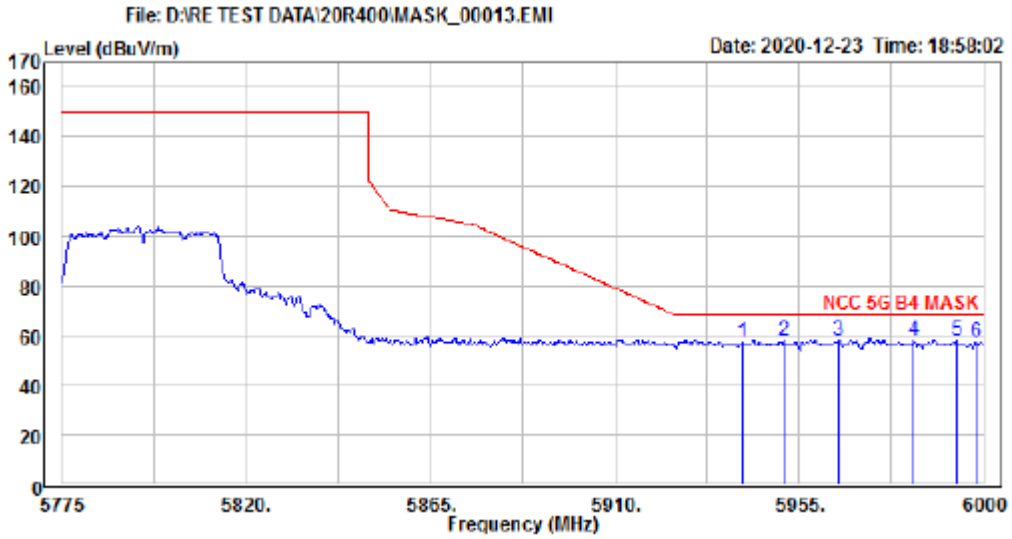
		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5601.575	61.76	-4.61	57.15	68.20	-11.05	Horizontal
2		5612.250	60.77	-4.63	56.14	68.20	-12.06	Horizontal
3	PP	5618.025	61.93	-4.64	57.29	68.20	-10.91	Horizontal
4		5628.175	61.21	-4.66	56.55	68.20	-11.65	Horizontal
5		5639.200	61.91	-4.69	57.22	68.20	-10.98	Horizontal
6		5646.025	60.64	-4.70	55.94	68.20	-12.26	Horizontal

Operation Mode	TX CH High	Test Date	2020/12/23
Channel Number	5795MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 n40 mode high ch
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5944.650	62.19	-3.88	58.31	68.20	-9.89	Vertical
2		5957.700	62.49	-3.84	58.65	68.20	-9.55	Vertical
3		5977.725	61.40	-3.77	57.63	68.20	-10.57	Vertical
4	PP	5986.275	63.31	-3.74	59.57	68.20	-8.63	Vertical
5		5990.775	62.12	-3.73	58.39	68.20	-9.81	Vertical
6		5998.650	61.43	-3.69	57.74	68.20	-10.46	Vertical

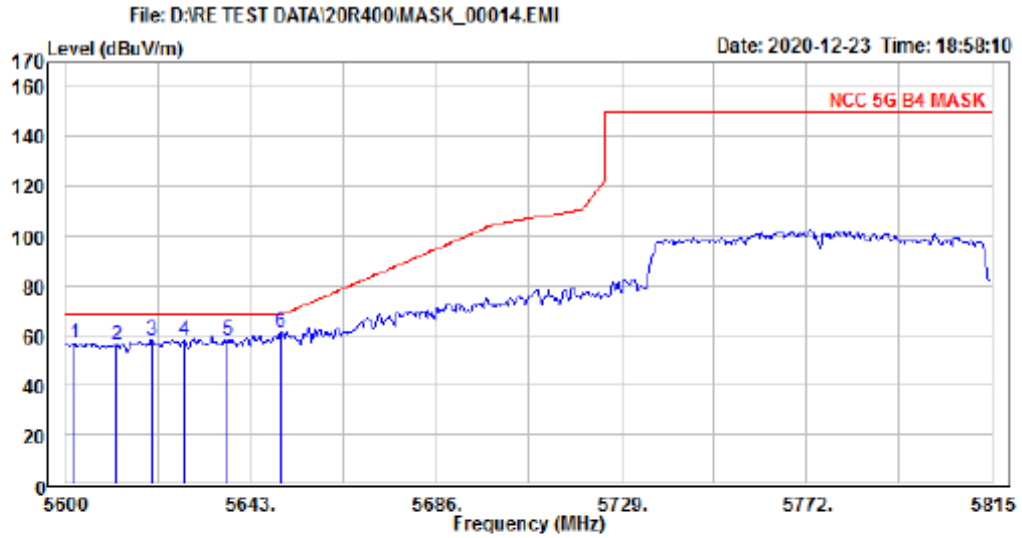


Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 n40 mode high ch
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5941.050	61.18	-3.88	57.30	68.20	-10.90	Horizontal
2	5951.175	61.85	-3.88	57.97	68.20	-10.23	Horizontal
3 PP	5964.675	62.17	-3.83	58.34	68.20	-9.86	Horizontal
4	5983.125	61.61	-3.75	57.86	68.20	-10.34	Horizontal
5	5993.475	61.62	-3.72	57.90	68.20	-10.30	Horizontal
6	5998.200	61.13	-3.69	57.44	68.20	-10.76	Horizontal

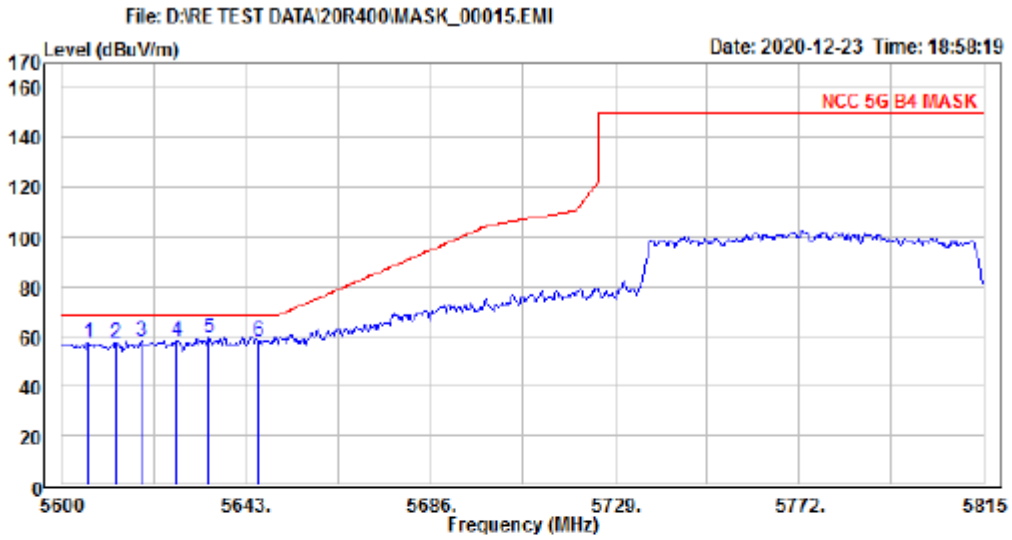
Band Edges test (Band UNII-3, 802.11ac VHT80 mode) –Radiated

Operation Mode	TX CH Low	Test Date	2020/12/23
Channel Number	5775 MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %




```
Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
         : RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT      :
Mode     : 5G B4 ac80 mode low ch
Note     :
```

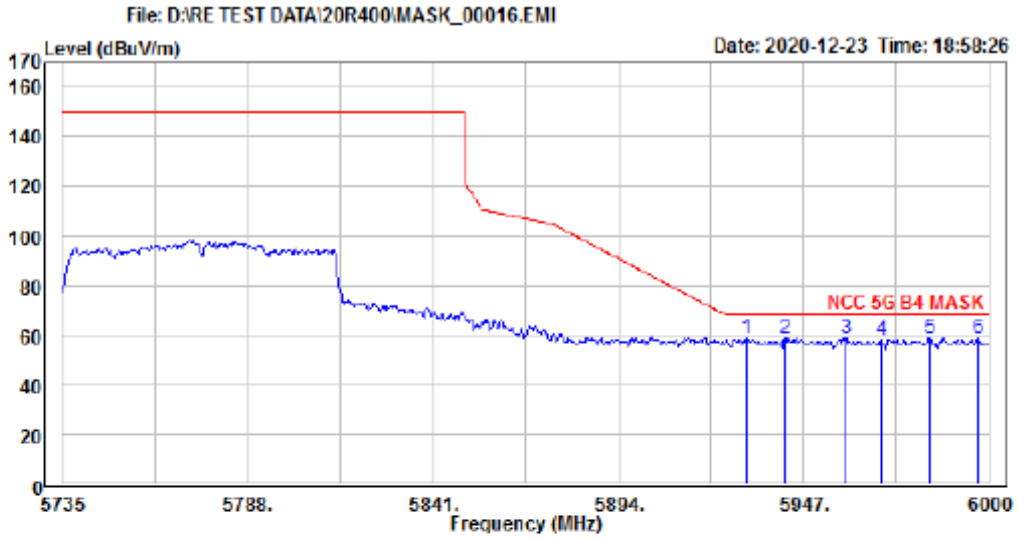
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5601.935	61.76	-4.61	57.15	68.20	-11.05	Vertical
2	5611.825	60.95	-4.63	56.32	68.20	-11.88	Vertical
3	5619.995	62.71	-4.65	58.06	68.20	-10.14	Vertical
4	5627.520	63.15	-4.66	58.49	68.20	-9.71	Vertical
5	5637.625	62.78	-4.68	58.10	68.20	-10.10	Vertical
6 PP	5650.095	66.41	-4.71	61.70	68.27	-6.57	Vertical



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 ac80 mode low ch
Note :

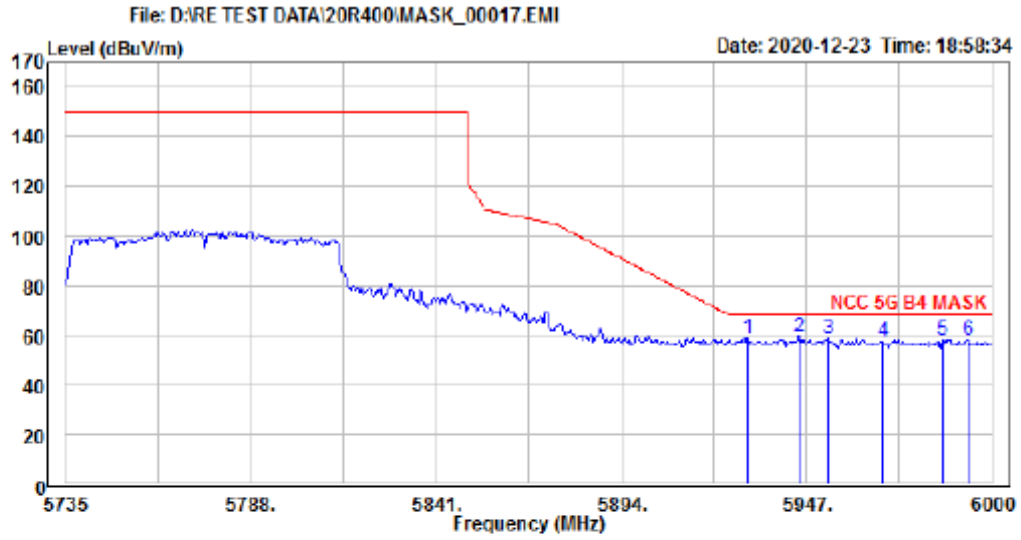
		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5606.020	62.29	-4.61	57.68	68.20	-10.52	Horizontal
2		5612.470	62.10	-4.63	57.47	68.20	-10.73	Horizontal
3		5618.705	62.96	-4.64	58.32	68.20	-9.88	Horizontal
4		5626.875	63.06	-4.66	58.40	68.20	-9.80	Horizontal
5	PP	5634.400	64.06	-4.69	59.37	68.20	-8.83	Horizontal
6		5645.795	63.06	-4.70	58.36	68.20	-9.84	Horizontal

Operation Mode	TX CH High	Test Date	2020/12/30
Channel Number	5775MHz	Test By	Barry
Temperature	25 ℃	Humidity	65 %



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 ac80 mode low ch
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5930.835	62.48	-3.87	58.61	68.20	-9.59	Vertical
2		5941.700	62.80	-3.88	58.92	68.20	-9.28	Vertical
3		5959.190	62.49	-3.84	58.65	68.20	-9.55	Vertical
4		5969.260	61.68	-3.80	57.88	68.20	-10.32	Vertical
5	PP	5983.040	62.67	-3.75	58.92	68.20	-9.28	Vertical
6		5996.820	62.54	-3.70	58.84	68.20	-9.36	Vertical



Condition: limit\FCC\NCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:1000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G B4 ac80 mode low ch
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5930.040	62.77	-3.87	58.90	68.20	-9.30	Horizontal
2 PP	5945.145	63.61	-3.87	59.74	68.20	-8.46	Horizontal
3	5953.095	62.76	-3.87	58.89	68.20	-9.31	Horizontal
4	5968.730	61.26	-3.80	57.46	68.20	-10.74	Horizontal
5	5985.955	61.63	-3.74	57.89	68.20	-10.31	Horizontal
6	5993.110	61.88	-3.72	58.16	68.20	-10.04	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	4.93dBi
2	WiFi 5G Antenna UNII-2A	4.93dBi
3	WiFi 5G Antenna UNII-2C	4.57dBi
4	WiFi 5G Antenna UNII-3	4.66dBi

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 Band-width	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 Transmis-sion 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
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	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	Roundup $\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{PRI_{\mu sec}}\right)\right\}$	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

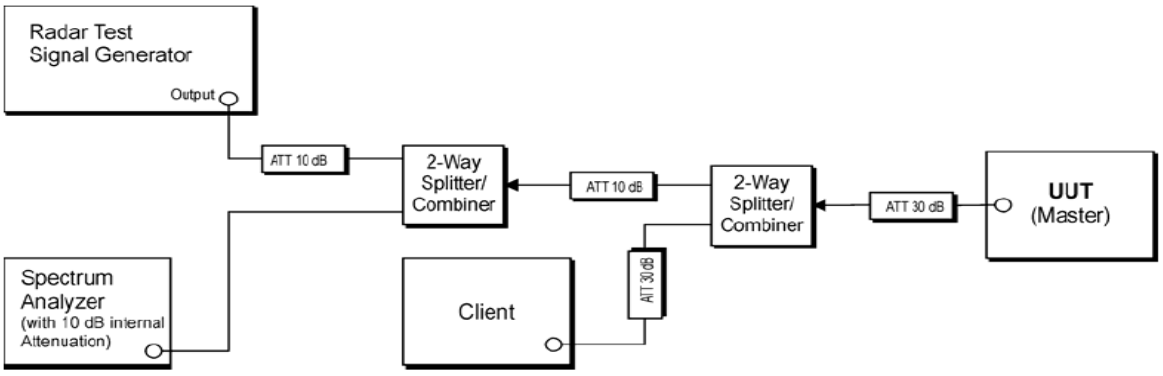
Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	9	.333	300	70%	30

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

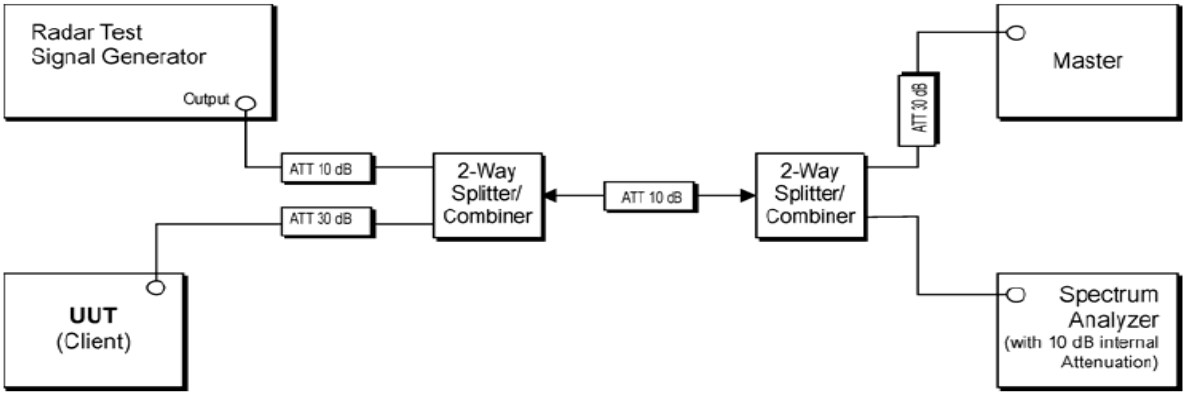
The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues 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

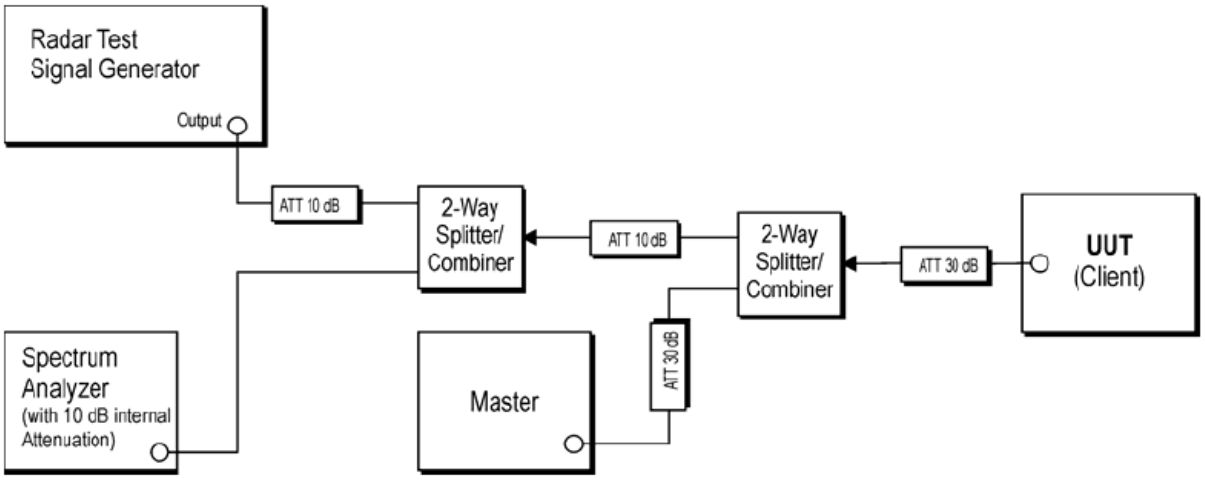
Setup for Master with injection at the Master



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	12/27/2020	12/27/2021
Conducted (DFS)	Signal Generator	Keysight	N5182B	MY53052399	12/30/2020	12/30/2021
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
Conducted (TS8997)	Wideband Radio Communication Tester	R&S	CMW500	168811	07/19/2020	07/19/2021
Conducted (TS8997)	Signal Generator	R&S	SMB100B	101085	10/28/2020	10/28/2021
Conducted (TS8997)	Vector Signal Generator	R&S	SMBV100A	263246	10/28/2020	10/28/2021
Conducted (TS8997)	Signal analyzer 40GHz	R&S	FSV40	101884	10/20/2020	10/20/2021
Conducted (TS8997)	OSP150 extension unit CAM-BUS	R&S	OSP150	101107	04/06/2020	04/06/2021
Conducted (TS8997)	Test Software	R&S	EMC32	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
Non-occupancy Period	No transmission in 30mins. (test results), pass (Remark)	Pass
DFS Detection Threshold	N/A	N/A
Channel Closing Transmission Time	Less than 200ms, Refer to next page for plots.	Pass
Channel Move Time	Less than 10s, Refer to next page for plots.	Pass
U-NII Detection Bandwidth	N/A	N/A

Input Level to Master AP= -64dBm

DFS In-Service Monitoring (5290 MHz; 80 MHz)

Test according to FCC title 47 part 15 15.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.

Expanded uncertainty (K=2) for Channel Closing Transmission Time in the first 200 ms: <1.634%

Expanded Uncertainty (K=2) for Channel Closing Transmission Time for the remaining channel move time period:<2.221%

Expanded Uncertainty (K=2) for Channel Move Time:<0.1%

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Type of Measurement value	Overall Result
5290.000000	0	First of all Transmitt Test	---
5290.000000	0	Channel Move Time	PASS
5290.000000	0	Channel Closing Transmission Time	PASS
5290.000000	0	Non-occupancy period	PASS

(continuation of the "Measurement Summary" table from column 4 ...)

DUT Frequency (MHz)	Overall Comment
5290.000000	not performed / not finished
5290.000000	
5290.000000	
5290.000000	

Channel Move Time Detailed Results

DUT Frequency (MHz)	Radar Type No.	CMT Tx Time ( )	CMT Limit (s)	CMT Result	CMT Comment
5290.000000	0	4.090	10.000	PASS	Tx Time value is last trailing edge found within sweep. See Note 1.

Channel Closing Transmission Time Detailed Results

DUT Frequency (MHz)	Radar Type No.	CCTT Type of Value	CCTT No. of Pulses found	CCTT Tx Time (ms)
5290.000000	0	first 200 ms	5	1.224
5290.000000	0	remaining 10.0 second(s) period	198	35.664

(continuation of the "Channel Closing Transmission Time Detailed Results" table from column 5 ...)

DUT Frequency (MHz)	CCTT Tx Time Limit (ms)	CCTT Result	CCTT Comment
5290.000000	200.000	PASS	See Note 1.
5290.000000	60.000	PASS	See Note 1.

Non-occupancy period Detailed Results

DUT Frequency (MHz)	Radar Type No.	NOP No. of Pulses found	NOP No. of Pulses Limit	NOP Tx Time (s)	NOP Tx Time Limit (s)	NOP Result
5290.000000	0	0	0	0.000	0.000	PASS

Transmitting Test Detailed Results

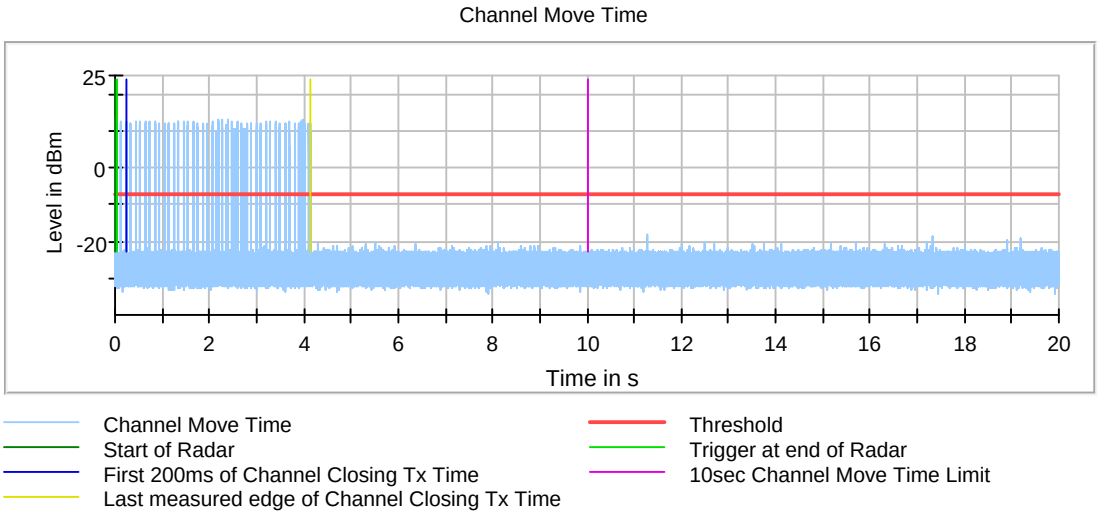
DUT Frequency (MHz)	Tx-Test Result	Tx-Test Comment
5290.000000	---	not performed / not finished

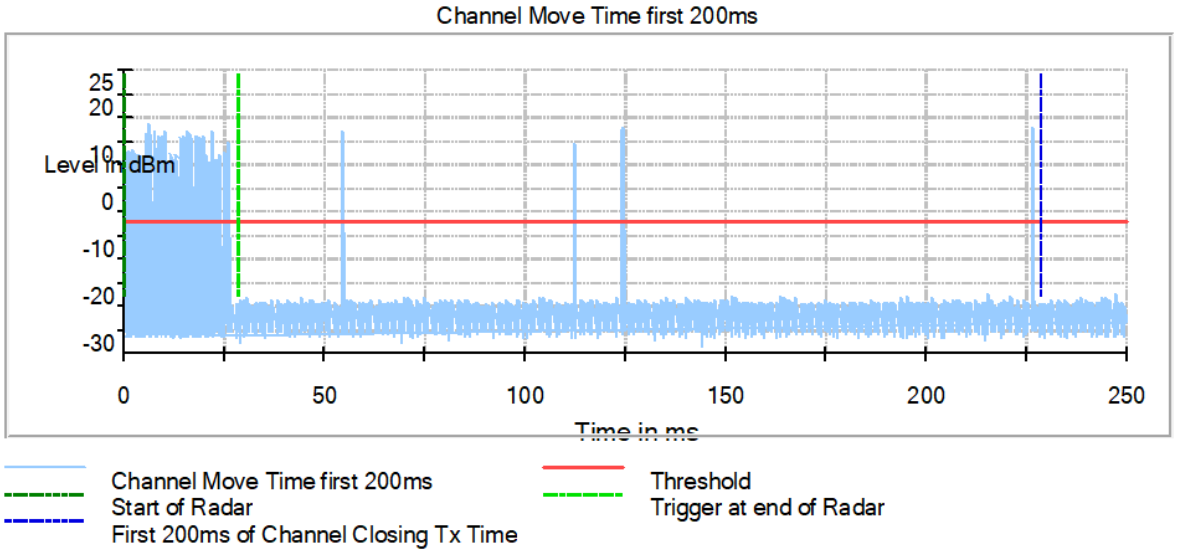
Radar level verification

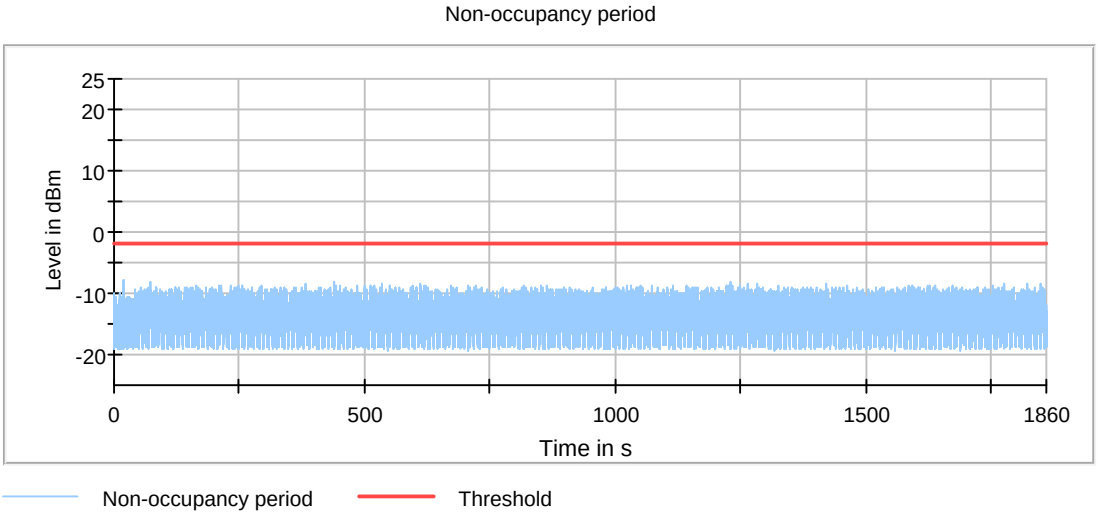
IF(({DFS Mode(0/1/2)}=0)or({DFS Mode(0/1/2)}=1) , IF((dBm2W({Nominal Power[dBm]})>0.2) , -64 , IF(({Configured PSD[dBm]}<10) , -62 , -64))+ {Attenuation Vector Generator to DUT[dB]} , -50+ {Attenuation Vector Generator to COMP[dB]})+ {Radar Signal Level Offset[dB]}	Given setting / formula to calculate Vector Generator level	--
Configured DUT EIRP:	100.00	mW
Configured DUT PSD:	-10.00	dBm/MHz
Requirement of the Detection threshold value for this given values acc. to FCC clause 5.2 / Table 3	-62	dBm
Vector Generator level setting	-7.06	dBm
Configured overall pathloss from Vector Generator RF out to DUT connector of 'DUT to OSP'-cable	53.94	dB
Given additional level added to the amplitude of the waveform to account for variations in measurement equipment acc. to FCC clause 5.2 / Table 3 / Note 2	1.00	dB
This results in the following radar signal level at the DUT	-61.00	dBm

Additional Information

Note 1:	**Because of the radar pulse event at the beginning, the investigation of the trace begins with an offset of 28.7 ms conforming to the end of the Radar burst.**
Note 2:	**Channel move time (CMT) / channel closing transmission time (CCTT) measurement was made with hi resolution video sweep using OSP DAQ channel**
Note 3:	**Because of the substantially higher sampling rate of the video signal the results for CCTT and CMT are more accurate than in the graphics visible. Reached timing accuracy of the video trace: approx 4 us**
Note 4:	**The Non-Occupancy Period trace starts at the end of the Channel move time trace (20.000 secs.) Labeling of the x-axis (time) is relative to its beginning (0 secs.)**







Channel Move Time; Channel Closing Transmission Time

Setting	Instrument	Target Value
Center Frequency	5.29000 GHz	5.29000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	20.000 s	20.000 s
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

Non-occupancy period

Setting	Instrument	Target Value
Center Frequency	5.29000 GHz	5.29000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	1.860 ks	1.860 ks
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off

OSP Video Detector

Setting	Instrument Value	Target Value
Measurement Time	20.000 s	20.000 s
Samplerate	2500 kHz	2500 kHz
Tracepoints	50000000	50000000
Time resolution	4.000 us	4.000 us
Detector	Peak	Peak

DFS In-Service Monitoring (5530 MHz; 80 MHz)

Customized settings.

Test according to FCC title 47 part 15 ?5.407(h), KDB 905462 D02 U-NII DFS Compliance Procedures New Rules v02

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.

Expanded uncertainty (K=2) for Channel Closing Transmission Time in the first 200 ms: <3.452%

Expanded Uncertainty (K=2) for Channel Closing Transmission Time for the remaining channel move time period:<3.379%

Expanded Uncertainty (K=2) for Channel Move Time:<0.1%

Measurement Summary

DUT Frequency (MHz)	Radar Type No.	Type of Measurement value	Overall Result
5530.000000	0	First of all Transmitt Test	---
5530.000000	0	Channel Move Time	PASS
5530.000000	0	Channel Closing Transmission Time	PASS
5530.000000	0	Non-occupancy period	PASS

(continuation of the "Measurement Summary" table from column 4 ...)

DUT Frequency (MHz)	Overall Comment
5530.000000	not performed / not finished
5530.000000	
5530.000000	
5530.000000	

Channel Move Time Detailed Results

DUT Frequency (MHz)	Radar Type No.	CMT Tx Time (s)	CMT Limit (s)	CMT Result	CMT Comment
5530.000000	0	4.091	10.000	PASS	Tx Time value is last trailing edge found within sweep. See Note 1.

Channel Closing Transmission Time Detailed Results

DUT Frequency (MHz)	Radar Type No.	CCTT Type of Value	CCTT No. of Pulses found	CCTT Tx Time (ms)
5530.000000	0	first 200 ms	100	11.588
5530.000000	0	remaining 10.0 second(s) period	292	34.568

(continuation of the "Channel Closing Transmission Time Detailed Results" table from column 5 ...)

DUT Frequency (MHz)	CCTT Tx Time Limit (ms)	CCTT Result	CCTT Comment
5530.000000	200.000	PASS	See Note 1.
5530.000000	60.000	PASS	See Note 1.

Non-occupancy period Detailed Results

DUT Frequency (MHz)	Radar Type No.	NOP No. of Pulses found	NOP No. of Pulses Limit	NOP Tx Time (s)	NOP Tx Time Limit (s)	NOP Result
5530.000000	0	0	0	0.000	0.000	PASS

Transmitting Test Detailed Results

DUT Frequency (MHz)	Tx-Test Result	Tx-Test Comment
5530.000000	---	not performed / not finished

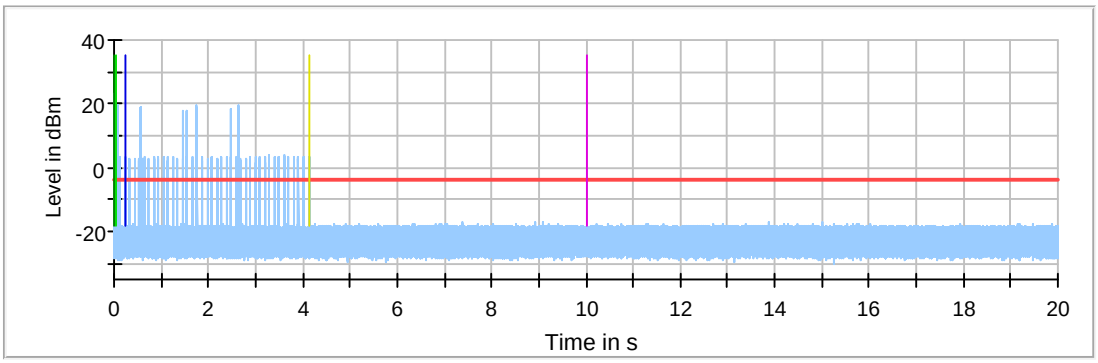
Radar level verification

Description / Formula	Value	Unit
IF(({DFS Mode(0/1/2)}=0)or({DFS Mode(0/1/2)}=1) , IF((dBm2W({Nominal Power[dBm]})>0.2) , -64 , IF(({Configured PSD[dBm]}<10) , -62 , -64))+ {Attenuation Vector Generator to DUT[dB]} , -50+ {Attenuation Vector Generator to COMP[dB]})+ {Radar Signal Level Offset[dB]}	Given setting / formula to calculate Vector Generator level	--
Configured DUT EIRP:	100.00	mW
Configured DUT PSD:	-10.00	dBm/MHz
Requirement of the Detection threshold value for this given values acc. to FCC clause 5.2 / Table 3	-62	dBm
Vector Generator level setting	4.02	dBm
Configured overall pathloss from Vector Generator RF out to DUT connector of 'DUT to OSP'-cable	56.02	dB
Given additional level added to the amplitude of the waveform to account for variations in measurement equipment acc. to FCC clause 5.2 / Table 3 / Note 2	10.00	dB
This results in the following radar signal level at the DUT	-52.00	dBm

Additional Information

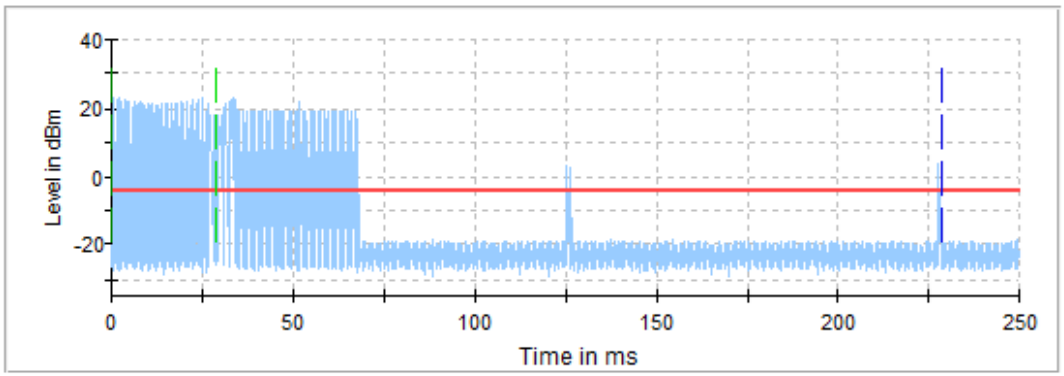
Note	Description
Note 1:	Because of the radar pulse event at the beginning, the investigation of the trace begins with an offset of 28.7 ms conforming to the end of the Radar burst.
Note 2:	Channel move time (CMT) / channel closing transmission time (CCTT) measurement was made with hi resolution video sweep using OSP DAQ channel
Note 3:	Because of the substantially higher sampling rate of the video signal the results for CCTT and CMT are more accurate than in the graphics visible. Reached timing accuracy of the video trace: approx 4 us
Note 4:	The Non-Occupancy Period trace starts at the end of the Channel move time trace (20.000 secs.) Labeling of the x-axis (time) is relative to its beginning (0 secs.)

Channel Move Time



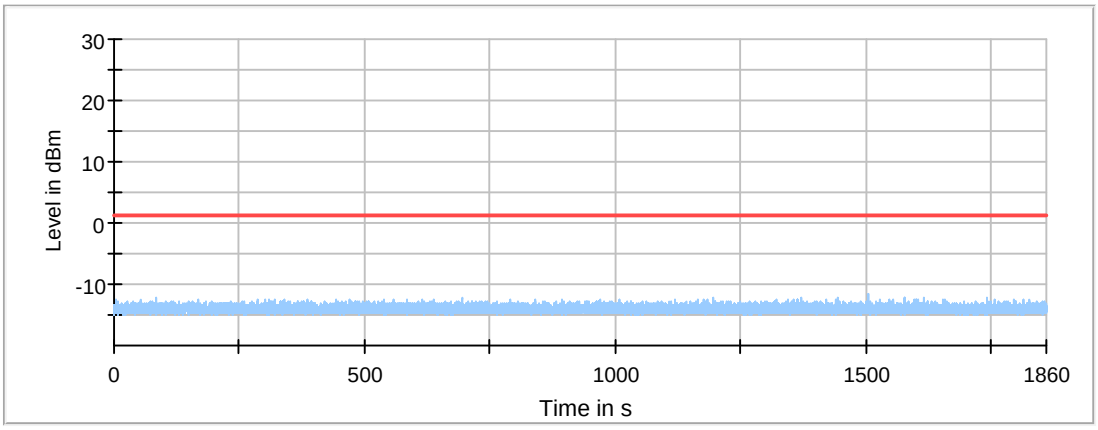
Channel Move Time
Start of Radar
First 200ms of Channel Closing Tx Time
Last measured edge of Channel Closing Tx Time
Threshold
Trigger at end of Radar
10sec Channel Move Time Limit

Channel Move Time first 200ms



Channel Move Time first 200ms
Start of Radar
First 200ms of Channel Closing Tx Time
Threshold
Trigger at end of Radar

Non-occupancy period



Non-occupancy period
Threshold

Channel Move Time; Channel Closing Transmission Time

Setting	Instrument Value	Target Value
Center Frequency	5.53000 GHz	5.53000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	20.000 s	20.000 s
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

Non-occupancy period

Setting	Instrument Value	Target Value
Center Frequency	5.53000 GHz	5.53000 GHz
Span	ZeroSpan	ZeroSpan
RBW	3.000 MHz	>= 3.000 MHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	30001	~ 30001
Sweeptime	1.860 ks	1.860 ks
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	3 dB	3 dB
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off

OSP Video Detector

Setting	Instrument Value	Target Value
Measurement Time	20.000 s	20.000 s
Samplerate	2500 kHz	2500 kHz
Tracepoints	50000000	50000000
Time resolution	4.000 us	4.000 us
Detector	Peak	Peak