9. Undesirable emission – Radiated Measurement

9.1. Standard Applicable

According to §15.407(b), Undesirable Emission Limits: Except as shown in Paragraph (b)(7) of this section, the peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

(5) The above emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in Section 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in Section 15.207.

(7) The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.

(8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

§15.205- RESTRICTED BANDS OF OPERATIONS

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 -	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.52525	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	156.7 - 156.9	3260 - 3267	23.6 - 24.0
12.29 - 12.293	162.0125 - 167.17	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	167.72 - 173.2	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	240 - 285	3600 - 4400	([2])
13.36 - 13.41	322 - 335.4		

[1] Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2] Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

§15.209- RADIATED EMISSION LIMITS: GENERAL REQUIREMENTS

FCC PART 15.209

MEASURING DISTANCE OF 3 METER		
FREQUENCY RANGE (MHz)	FIELD STRENGTH (Microvolts/m)	FIELD STRENGTH (dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

9.2. EUT Setup

1. The radiated emission tests were performed in the 3 meter open-test site, using the setup in accordance with the ANSI C63.10: 2013
2. The EUT was put in the front of the test table. The host PC system was placed on the center of the back edge on the test table. The peripherals like modem, monitor printer, K/B, and mouse were placed on the side of the host PC system. The rear of the EUT and peripherals were placed flushed with the rear of the tabletop.
3. The keyboard was placed directly in the front of the monitor, flushed with the front tabletop. The mouse was placed next to the Keyboard, flushed with the back of keyboard.
4. The spacing between the peripherals was 10 centimeters.
5. External I/O cables were draped along the edge of the test table and bundle when necessary.
6. The host PC system was connected with 120Vac/60Hz power source.

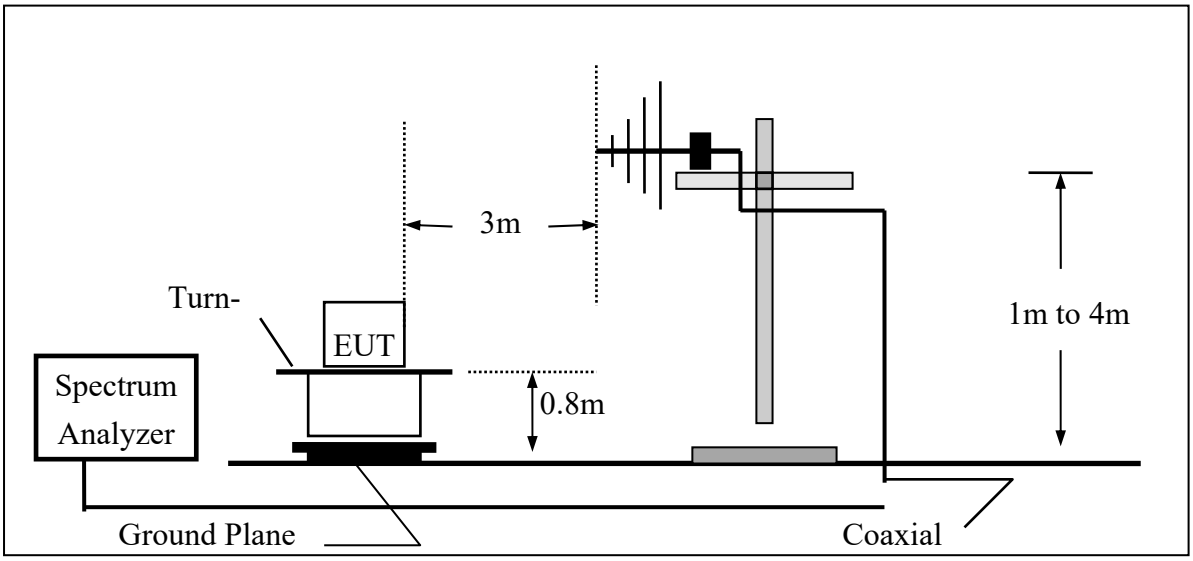
9.3. Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until all frequency measured were complete.

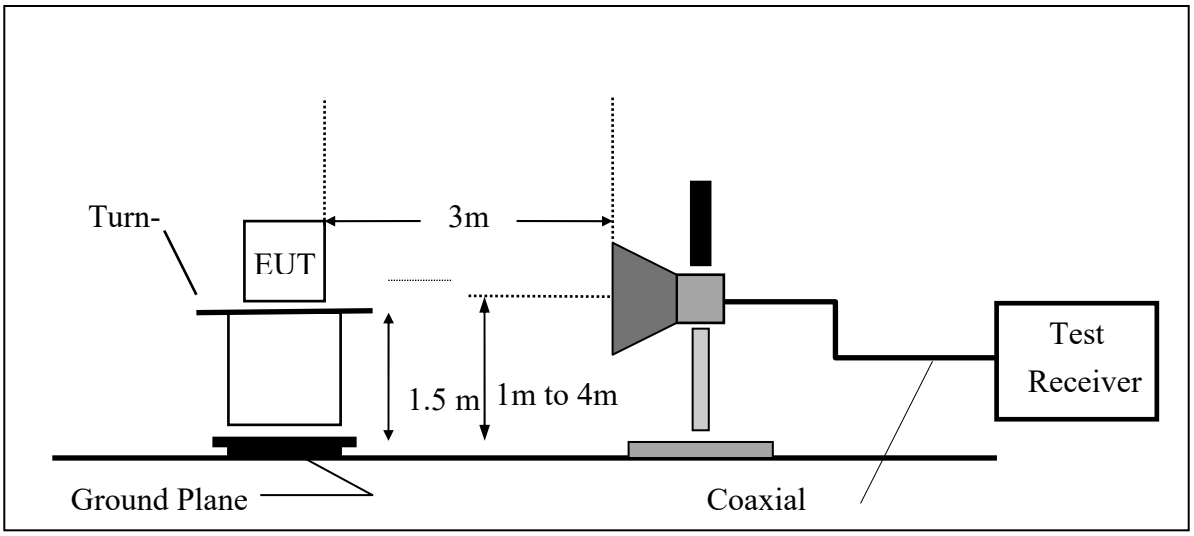
Refer to section F of KDB Document: KDB 789033 D02 General U-NII Test Procedures New Rules v02r01

9.4. Test SET-UP (Block Diagram of Configuration)

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(B) Radiated Emission Test Set-Up Frequency Over 1 GHz



9.5. Measurement Equipment Used:

Location Conducted	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Chamber 19	Spectrum analyzer	R&S	FSV40	101919	08/13/2020	08/13/2021
Chamber 19	EMI Receiver	R&S	ESR3	102461	05/05/2021	05/05/2022
Chamber 19	Loop Antenna	EM	EM-6879	271	05/21/2021	05/21/2022
Chamber 19	Bilog Antenna (30MHz-1GHz)	Schwarzbeck	VULB9168 w 6dB Att.	9168-736	02/22/2021	02/22/2022
Chamber 19	Horn antenna (1GHz-18GHz)	ETS LIND-GREN	3117	00218718	09/25/2020	09/25/2021
Chamber 19	Horn antenna (18GHz-26GHz)	Com-power	AH-826	081001	11/23/2020	11/23/2021
Chamber 19	Horn antenna (26GHz-40GHz)	Com-power	AH-640	100A	03/11/2021	03/11/2022
Chamber 19	Preamplifier (9kHz-1GHz)	HP	8447F	3113A04621	06/22/2021	06/22/2022
Chamber 19	Preamplifier (1GHz-26GHz)	EM	EM01M26G	060681	05/07/2021	05/07/2022
Chamber 19	Preamplifier (26GHz-40GHz)	MITEQ	JS4-26004000-27-5A	818471	05/07/2021	05/07/2022
Chamber 19	RF Cable (9kHz-18GHz)	HUBER SU-HNER	Sucoflex 104A & 18GHz SMA(M)-SMA(M)-10M	MY817/4A & 20200525	12/25/2020	12/25/2021
Chamber 19	RF Cable (18GHz-40GHz)	HUBER SU-HNER	Sucoflex 102	27963/2&37421/2	11/19/2020	11/19/2021
Chamber 19	Signal Generator	Anritsu	MG3692A	20311	01/03/2021	01/03/2022
Chamber 19	Test Software	Audix	E3 Ver:6.12023	N/A	N/A	N/A

9.6. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

Where	FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

9.7. Measurement Result

Refer to attach tabular data sheets.

NOTE:

The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 100kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz. And RBW 1MHz for frequency above 1GHz.

Radiated Spurious Emission Measurement Result (below 1GHz)
(Band UNII-1 a mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.01	32.67	-7.10	25.57	40.00	-14.43	Peak	VERTICAL
2	192.90	33.48	-8.17	25.31	43.50	-18.19	Peak	VERTICAL
3	246.67	32.52	-6.65	25.87	46.00	-20.13	Peak	VERTICAL
4	300.47	31.04	-4.56	26.48	46.00	-19.52	Peak	VERTICAL
5	399.62	33.15	-2.75	30.40	46.00	-15.60	Peak	VERTICAL
6	888.63	29.58	5.61	35.19	46.00	-10.81	Peak	VERTICAL
1	125.06	32.72	-7.33	25.39	43.50	-18.11	Peak	HORIZONTAL
2	192.16	38.93	-8.17	30.76	43.50	-12.74	Peak	HORIZONTAL
3	240.22	45.54	-6.96	38.58	46.00	-7.42	Peak	HORIZONTAL
4	300.63	35.17	-4.56	30.61	46.00	-15.39	Peak	HORIZONTAL
5	438.74	31.73	-1.69	30.04	46.00	-15.96	Peak	HORIZONTAL
6	776.57	28.37	4.30	32.67	46.00	-13.33	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported
2 Measuring frequencies from the lowest internal frequency to the 1GHz.
3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH Mid	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	125.06	32.72	-7.33	25.39	43.50	-18.11	Peak	VERTICAL
2	192.16	38.93	-8.17	30.76	43.50	-12.74	Peak	VERTICAL
3	240.22	45.54	-6.96	38.58	46.00	-7.42	Peak	VERTICAL
4	300.63	35.17	-4.56	30.61	46.00	-15.39	Peak	VERTICAL
5	438.74	31.73	-1.69	30.04	46.00	-15.96	Peak	VERTICAL
6	776.57	28.37	4.30	32.67	46.00	-13.33	Peak	VERTICAL
1	126.03	33.21	-7.40	25.81	43.50	-17.69	Peak	HORIZONTAL
2	165.95	35.44	-5.54	29.90	43.50	-13.60	Peak	HORIZONTAL
3	192.94	39.26	-8.17	31.09	43.50	-12.41	Peak	HORIZONTAL
4	241.92	43.54	-6.84	36.70	46.00	-9.30	Peak	HORIZONTAL
5	300.34	34.22	-4.56	29.66	46.00	-16.34	Peak	HORIZONTAL
6	373.35	27.75	-3.22	24.53	46.00	-21.47	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.01	33.81	-7.10	26.71	40.00	-13.29	Peak	VERTICAL
2	192.23	33.69	-8.17	25.52	43.50	-17.98	Peak	VERTICAL
3	244.48	32.63	-6.72	25.91	46.00	-20.09	Peak	VERTICAL
4	298.00	31.16	-4.61	26.55	46.00	-19.45	Peak	VERTICAL
5	400.46	34.23	-2.75	31.48	46.00	-14.52	Peak	VERTICAL
6	833.96	32.63	4.94	37.57	46.00	-8.43	Peak	VERTICAL
1	165.80	36.11	-5.54	30.57	43.50	-12.93	Peak	HORIZONTAL
2	192.50	40.24	-8.17	32.07	43.50	-11.43	Peak	HORIZONTAL
3	240.30	42.56	-6.96	35.60	46.00	-10.40	Peak	HORIZONTAL
4	300.22	35.74	-4.56	31.18	46.00	-14.82	Peak	HORIZONTAL
5	498.88	29.41	-1.05	28.36	46.00	-17.64	Peak	HORIZONTAL
6	779.52	28.13	4.37	32.50	46.00	-13.50	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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-1 802.11n HT20 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	63.16	32.91	-7.10	25.81	40.00	-14.19	Peak	VERTICAL
2	193.59	34.42	-8.17	26.25	43.50	-17.25	Peak	VERTICAL
3	248.04	33.02	-6.65	26.37	46.00	-19.63	Peak	VERTICAL
4	299.73	31.57	-4.56	27.01	46.00	-18.99	Peak	VERTICAL
5	401.05	33.23	-2.75	30.48	46.00	-15.52	Peak	VERTICAL
6	889.23	29.43	5.61	35.04	46.00	-10.96	Peak	VERTICAL
1	125.73	32.11	-7.33	24.78	43.50	-18.72	Peak	HORIZONTAL
2	193.60	40.20	-8.17	32.03	43.50	-11.47	Peak	HORIZONTAL
3	240.86	45.27	-6.96	38.31	46.00	-7.69	Peak	HORIZONTAL
4	300.65	35.50	-4.56	30.94	46.00	-15.06	Peak	HORIZONTAL
5	439.51	32.84	-1.69	31.15	46.00	-14.85	Peak	HORIZONTAL
6	777.05	28.37	4.30	32.67	46.00	-13.33	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported
2 Measuring frequencies from the lowest internal frequency to the 1GHz.
3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH Mid	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	44.14	33.03	-5.99	27.04	40.00	-12.96	Peak	VERTICAL
2	64.20	33.68	-7.08	26.60	40.00	-13.40	Peak	VERTICAL
3	245.52	34.80	-6.67	28.13	46.00	-17.87	Peak	VERTICAL
4	401.07	32.72	-2.75	29.97	46.00	-16.03	Peak	VERTICAL
5	477.90	31.31	-1.27	30.04	46.00	-15.96	Peak	VERTICAL
6	834.14	30.00	4.94	34.94	46.00	-11.06	Peak	VERTICAL
1	127.08	33.91	-7.40	26.51	43.50	-16.99	Peak	HORIZONTAL
2	167.34	36.23	-5.54	30.69	43.50	-12.81	Peak	HORIZONTAL
3	193.33	39.77	-8.17	31.60	43.50	-11.90	Peak	HORIZONTAL
4	242.86	44.04	-6.84	37.20	46.00	-8.80	Peak	HORIZONTAL
5	300.30	34.58	-4.56	30.02	46.00	-15.98	Peak	HORIZONTAL
6	372.76	28.93	-3.22	25.71	46.00	-20.29	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.94	34.74	-7.10	27.64	40.00	-12.36	Peak	VERTICAL
2	192.46	33.85	-8.17	25.68	43.50	-17.82	Peak	VERTICAL
3	245.61	33.05	-6.72	26.33	46.00	-19.67	Peak	VERTICAL
4	297.73	32.29	-4.61	27.68	46.00	-18.32	Peak	VERTICAL
5	399.71	34.98	-2.75	32.23	46.00	-13.77	Peak	VERTICAL
6	834.96	32.39	4.94	37.33	46.00	-8.67	Peak	VERTICAL
1	166.77	36.94	-5.54	31.40	43.50	166.77	Peak	HORIZONTAL
2	192.81	40.68	-8.17	32.51	43.50	192.81	Peak	HORIZONTAL
3	239.88	43.21	-6.96	36.25	46.00	239.88	Peak	HORIZONTAL
4	300.31	35.29	-4.56	30.73	46.00	300.31	Peak	HORIZONTAL
5	499.85	30.66	-1.05	29.61	46.00	499.85	Peak	HORIZONTAL
6	780.66	28.93	4.37	33.30	46.00	780.66	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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 HT40 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.83	32.01	-7.10	24.91	40.00	-15.09	Peak	VERTICAL
2	192.63	33.77	-8.17	25.60	43.50	-17.90	Peak	VERTICAL
3	246.92	33.16	-6.65	26.51	46.00	-19.49	Peak	VERTICAL
4	301.15	30.90	-4.56	26.34	46.00	-19.66	Peak	VERTICAL
5	399.82	33.90	-2.75	31.15	46.00	-14.85	Peak	VERTICAL
6	889.07	30.43	5.61	36.04	46.00	-9.96	Peak	VERTICAL
1	125.09	33.55	-7.33	26.22	43.50	-17.28	Peak	HORIZONTAL
2	193.01	39.59	-8.17	31.42	43.50	-12.08	Peak	HORIZONTAL
3	240.93	45.06	-6.96	38.10	46.00	-7.90	Peak	HORIZONTAL
4	300.19	35.94	-4.56	31.38	46.00	-14.62	Peak	HORIZONTAL
5	439.05	32.44	-1.69	30.75	46.00	-15.25	Peak	HORIZONTAL
6	776.73	29.36	4.30	33.66	46.00	-12.34	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported
2 Measuring frequencies from the lowest internal frequency to the 1GHz.
3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	63.13	34.36	-7.10	27.26	40.00	-12.74	Peak	VERTICAL
2	192.78	34.36	-8.17	26.19	43.50	-17.31	Peak	VERTICAL
3	245.23	33.67	-6.72	26.95	46.00	-19.05	Peak	VERTICAL
4	298.58	32.33	-4.61	27.72	46.00	-18.28	Peak	VERTICAL
5	400.74	33.86	-2.75	31.11	46.00	-14.89	Peak	VERTICAL
6	834.15	32.36	4.94	37.30	46.00	-8.70	Peak	VERTICAL
1	166.50	36.78	-5.54	31.24	43.50	-12.26	Peak	HORIZONTAL
2	192.78	41.06	-8.17	32.89	43.50	-10.61	Peak	HORIZONTAL
3	240.43	43.74	-6.96	36.78	46.00	-9.22	Peak	HORIZONTAL
4	300.44	36.03	-4.56	31.47	46.00	-14.53	Peak	HORIZONTAL
5	498.98	30.22	-1.05	29.17	46.00	-16.83	Peak	HORIZONTAL
6	778.99	29.58	4.37	33.95	46.00	-12.05	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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-1 802.11ac VHT20 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.59	33.15	-7.10	26.05	40.00	-13.95	Peak	VERTICAL
2	192.67	33.60	-8.17	25.43	43.50	-18.07	Peak	VERTICAL
3	247.30	33.72	-6.65	27.07	46.00	-18.93	Peak	VERTICAL
4	300.44	31.29	-4.56	26.73	46.00	-19.27	Peak	VERTICAL
5	400.29	33.55	-2.75	30.80	46.00	-15.20	Peak	VERTICAL
6	889.51	29.53	5.61	35.14	46.00	-10.86	Peak	VERTICAL
1	126.00	32.71	-7.33	25.38	43.50	-18.12	Peak	HORIZONTAL
2	193.29	40.06	-8.17	31.89	43.50	-11.61	Peak	HORIZONTAL
3	240.68	44.84	-6.96	37.88	46.00	-8.12	Peak	HORIZONTAL
4	300.33	35.90	-4.56	31.34	46.00	-14.66	Peak	HORIZONTAL
5	439.31	32.68	-1.69	30.99	46.00	-15.01	Peak	HORIZONTAL
6	777.29	28.41	4.30	32.71	46.00	-13.29	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported
2 Measuring frequencies from the lowest internal frequency to the 1GHz.
3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH Mid	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	43.69	33.28	-7.33	25.95	43.50	-17.55	Peak	VERTICAL
2	63.78	40.17	-8.17	32.00	43.50	-11.50	Peak	VERTICAL
3	245.77	45.00	-6.96	38.04	46.00	-7.96	Peak	VERTICAL
4	400.92	35.61	-4.56	31.05	46.00	-14.95	Peak	VERTICAL
5	478.20	32.71	-1.69	31.02	46.00	-14.98	Peak	VERTICAL
6	833.28	29.26	4.30	33.56	46.00	-12.44	Peak	VERTICAL
1	126.21	32.86	-7.40	25.46	43.50	-18.04	Peak	HORIZONTAL
2	167.37	35.33	-5.54	29.79	43.50	-13.71	Peak	HORIZONTAL
3	193.16	40.00	-8.17	31.83	43.50	-11.67	Peak	HORIZONTAL
4	243.17	44.76	-6.84	37.92	46.00	-8.08	Peak	HORIZONTAL
5	299.88	35.25	-4.56	30.69	46.00	-15.31	Peak	HORIZONTAL
6	373.07	27.99	-3.22	24.77	46.00	-21.23	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.09	33.07	-7.10	25.97	40.00	-14.03	Peak	VERTICAL
2	192.27	33.90	-8.17	25.73	43.50	-17.77	Peak	VERTICAL
3	245.39	33.30	-6.72	26.58	46.00	-19.42	Peak	VERTICAL
4	299.19	31.88	-4.61	27.27	46.00	-18.73	Peak	VERTICAL
5	400.21	34.29	-2.75	31.54	46.00	-14.46	Peak	VERTICAL
6	833.78	32.55	4.94	37.49	46.00	-8.51	Peak	VERTICAL
1	166.48	36.09	-5.54	30.55	43.50	-12.95	Peak	HORIZONTAL
2	192.84	41.53	-8.17	33.36	43.50	-10.14	Peak	HORIZONTAL
3	240.08	42.63	-6.96	35.67	46.00	-10.33	Peak	HORIZONTAL
4	300.59	36.35	-4.56	31.79	46.00	-14.21	Peak	HORIZONTAL
5	499.07	30.14	-1.05	29.09	46.00	-16.91	Peak	HORIZONTAL
6	780.19	28.71	4.37	33.08	46.00	-12.92	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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-1 802.11ac VHT40 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	64.19	32.98	-7.10	25.88	40.00	-14.12	Peak	VERTICAL
2	193.66	34.27	-8.17	26.10	43.50	-17.40	Peak	VERTICAL
3	247.46	33.08	-6.65	26.43	46.00	-19.57	Peak	VERTICAL
4	301.07	31.92	-4.56	27.36	46.00	-18.64	Peak	VERTICAL
5	400.96	34.61	-2.75	31.86	46.00	-14.14	Peak	VERTICAL
6	889.45	30.96	5.61	36.57	46.00	-9.43	Peak	VERTICAL
1	126.38	34.24	-7.33	26.91	43.50	-16.59	Peak	HORIZONTAL
2	193.01	40.24	-8.17	32.07	43.50	-11.43	Peak	HORIZONTAL
3	241.25	46.26	-6.96	39.30	46.00	-6.70	Peak	HORIZONTAL
4	301.10	36.92	-4.56	32.36	46.00	-13.64	Peak	HORIZONTAL
5	439.39	32.49	-1.69	30.80	46.00	-15.20	Peak	HORIZONTAL
6	776.87	30.15	4.30	34.45	46.00	-11.55	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported
2 Measuring frequencies from the lowest internal frequency to the 1GHz.
3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	63.97	34.90	-7.10	27.80	40.00	-12.20	Peak	VERTICAL
2	194.12	34.39	-8.17	26.22	43.50	-17.28	Peak	VERTICAL
3	245.19	33.83	-6.72	27.11	46.00	-18.89	Peak	VERTICAL
4	298.79	33.31	-4.61	28.70	46.00	-17.30	Peak	VERTICAL
5	401.43	34.62	-2.75	31.87	46.00	-14.13	Peak	VERTICAL
6	834.06	32.85	4.94	37.79	46.00	-8.21	Peak	VERTICAL
1	167.32	37.92	-5.54	32.38	43.50	-11.12	Peak	HORIZONTAL
2	192.95	42.08	-8.17	33.91	43.50	-9.59	Peak	HORIZONTAL
3	240.83	43.52	-6.96	36.56	46.00	-9.44	Peak	HORIZONTAL
4	300.94	36.53	-4.56	31.97	46.00	-14.03	Peak	HORIZONTAL
5	500.41	31.30	-1.05	30.25	46.00	-15.75	Peak	HORIZONTAL
6	780.13	29.94	4.37	34.31	46.00	-11.69	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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, 802.11ac VHT80mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.38	33.05	-7.10	25.95	40.00	-14.05	Peak	VERTICAL
2	192.95	34.77	-8.17	26.60	43.50	-16.90	Peak	VERTICAL
3	247.48	32.83	-6.65	26.18	46.00	-19.82	Peak	VERTICAL
4	300.53	30.95	-4.56	26.39	46.00	-19.61	Peak	VERTICAL
5	400.64	33.74	-2.75	30.99	46.00	-15.01	Peak	VERTICAL
6	888.79	29.39	5.61	35.00	46.00	-11.00	Peak	VERTICAL
1	126.64	32.64	-7.33	25.31	43.50	-18.19	Peak	HORIZONTAL
2	193.13	39.87	-8.17	31.70	43.50	-11.80	Peak	HORIZONTAL
3	239.92	45.78	-6.96	38.82	46.00	-7.18	Peak	HORIZONTAL
4	300.66	35.85	-4.56	31.29	46.00	-14.71	Peak	HORIZONTAL
5	439.57	32.05	-1.69	30.36	46.00	-15.64	Peak	HORIZONTAL
6	777.42	29.42	4.30	33.72	46.00	-12.28	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported
2 Measuring frequencies from the lowest internal frequency to the 1GHz.
3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.44	32.44	-7.10	25.34	40.00	-14.66	Peak	VERTICAL
2	192.93	32.37	-8.17	24.20	43.50	-19.30	Peak	VERTICAL
3	239.69	34.61	-6.96	27.65	46.00	-18.35	Peak	VERTICAL
4	300.47	31.10	-4.56	26.54	46.00	-19.46	Peak	VERTICAL
5	400.37	34.69	-2.75	31.94	46.00	-14.06	Peak	VERTICAL
6	697.61	30.14	2.57	32.71	46.00	-13.29	Peak	VERTICAL
1	125.26	32.19	-7.33	24.86	43.50	-18.64	Peak	HORIZONTAL
2	166.72	35.16	-5.54	29.62	43.50	-13.88	Peak	HORIZONTAL
3	192.53	39.04	-8.17	30.87	43.50	-12.63	Peak	HORIZONTAL
4	240.04	43.11	-6.96	36.15	46.00	-9.85	Peak	HORIZONTAL
5	300.35	35.71	-4.56	31.15	46.00	-14.85	Peak	HORIZONTAL
6	754.64	28.90	4.09	32.99	46.00	-13.01	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported
2 Measuring frequencies from the lowest internal frequency to the 1GHz.
3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH Mid	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.90	33.08	-7.10	25.98	40.00	-14.02	Peak	VERTICAL
2	192.88	33.18	-8.17	25.01	43.50	-18.49	Peak	VERTICAL
3	241.05	33.57	-6.88	26.69	46.00	-19.31	Peak	VERTICAL
4	399.81	32.81	-2.75	30.06	46.00	-15.94	Peak	VERTICAL
5	475.10	30.60	-1.27	29.33	46.00	-16.67	Peak	VERTICAL
6	699.39	30.32	2.65	32.97	46.00	-13.03	Peak	VERTICAL
1	126.10	32.12	-7.40	24.72	43.50	-18.78	Peak	HORIZONTAL
2	165.93	35.01	-5.54	29.47	43.50	-14.03	Peak	HORIZONTAL
3	192.04	40.17	-8.17	32.00	43.50	-11.50	Peak	HORIZONTAL
4	243.65	43.75	-6.76	36.99	46.00	-9.01	Peak	HORIZONTAL
5	300.12	34.62	-4.56	30.06	46.00	-15.94	Peak	HORIZONTAL
6	732.03	37.56	3.18	40.74	46.00	-5.26	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.12	32.98	-7.10	25.88	40.00	-14.12	Peak	VERTICAL
2	240.07	33.16	-6.96	26.20	46.00	-19.80	Peak	VERTICAL
3	399.38	32.54	-2.76	29.78	46.00	-16.22	Peak	VERTICAL
4	434.56	32.76	-1.77	30.99	46.00	-15.01	Peak	VERTICAL
5	608.40	29.72	1.36	31.08	46.00	-14.92	Peak	VERTICAL
6	776.14	28.59	4.30	32.89	46.00	-13.11	Peak	VERTICAL
1	125.91	33.89	-7.33	26.56	43.50	-16.94	Peak	HORIZONTAL
2	166.66	35.38	-5.54	29.84	43.50	-13.66	Peak	HORIZONTAL
3	192.43	39.41	-8.17	31.24	43.50	-12.26	Peak	HORIZONTAL
4	244.52	42.70	-6.72	35.98	46.00	-10.02	Peak	HORIZONTAL
5	300.64	35.05	-4.56	30.49	46.00	-15.51	Peak	HORIZONTAL
6	497.63	30.57	-1.08	29.49	46.00	-16.51	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	63.30	32.57	-7.10	25.47	40.00	-14.53	Peak	VERTICAL
2	192.85	32.48	-8.17	24.31	43.50	-19.19	Peak	VERTICAL
3	239.89	34.93	-6.96	27.97	46.00	-18.03	Peak	VERTICAL
4	300.31	31.16	-4.56	26.60	46.00	-19.40	Peak	VERTICAL
5	400.42	35.18	-2.75	32.43	46.00	-13.57	Peak	VERTICAL
6	698.81	29.73	2.57	32.30	46.00	-13.70	Peak	VERTICAL
1	126.04	31.95	-7.33	24.62	43.50	-18.88	Peak	HORIZONTAL
2	167.00	36.80	-5.54	31.26	43.50	-12.24	Peak	HORIZONTAL
3	193.07	40.00	-8.17	31.83	43.50	-11.67	Peak	HORIZONTAL
4	240.16	43.07	-6.96	36.11	46.00	-9.89	Peak	HORIZONTAL
5	300.39	36.35	-4.56	31.79	46.00	-14.21	Peak	HORIZONTAL
6	754.68	30.77	4.09	34.86	46.00	-11.14	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported
2 Measuring frequencies from the lowest internal frequency to the 1GHz.
3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH Mid	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	63.25	33.16	-7.10	26.06	40.00	-13.94	Peak	VERTICAL
2	192.32	32.58	-8.17	24.41	43.50	-19.09	Peak	VERTICAL
3	241.17	34.21	-6.88	27.33	46.00	-18.67	Peak	VERTICAL
4	400.79	33.76	-2.75	31.01	46.00	-14.99	Peak	VERTICAL
5	475.10	31.42	-1.27	30.15	46.00	-15.85	Peak	VERTICAL
6	700.55	30.06	2.65	32.71	46.00	-13.29	Peak	VERTICAL
1	126.85	31.81	-7.40	24.41	43.50	-19.09	Peak	HORIZONTAL
2	166.51	35.82	-5.54	30.28	43.50	-13.22	Peak	HORIZONTAL
3	192.54	39.92	-8.17	31.75	43.50	-11.75	Peak	HORIZONTAL
4	244.31	43.88	-6.76	37.12	46.00	-8.88	Peak	HORIZONTAL
5	300.11	35.50	-4.56	30.94	46.00	-15.06	Peak	HORIZONTAL
6	732.16	38.30	3.18	41.48	46.00	-4.52	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.82	33.75	-7.10	26.65	40.00	-13.35	Peak	VERTICAL
2	240.00	33.87	-6.96	26.91	46.00	-19.09	Peak	VERTICAL
3	400.00	32.83	-2.76	30.07	46.00	-15.93	Peak	VERTICAL
4	435.30	33.28	-1.77	31.51	46.00	-14.49	Peak	VERTICAL
5	609.17	29.65	1.36	31.01	46.00	-14.99	Peak	VERTICAL
6	776.58	28.00	4.30	32.30	46.00	-13.70	Peak	VERTICAL
1	126.49	34.46	-7.33	27.13	43.50	-16.37	Peak	HORIZONTAL
2	166.53	35.88	-5.54	30.34	43.50	-13.16	Peak	HORIZONTAL
3	192.52	39.01	-8.17	30.84	43.50	-12.66	Peak	HORIZONTAL
4	244.75	43.04	-6.72	36.32	46.00	-9.68	Peak	HORIZONTAL
5	300.50	35.19	-4.56	30.63	46.00	-15.37	Peak	HORIZONTAL
6	499.34	31.53	-1.08	30.45	46.00	-15.55	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	63.89	33.32	-7.10	26.22	40.00	-13.78	Peak	VERTICAL
2	193.11	32.30	-8.17	24.13	43.50	-19.37	Peak	VERTICAL
3	240.56	35.66	-6.96	28.70	46.00	-17.30	Peak	VERTICAL
4	301.38	31.62	-4.56	27.06	46.00	-18.94	Peak	VERTICAL
5	401.08	35.02	-2.75	32.27	46.00	-13.73	Peak	VERTICAL
6	698.77	29.71	2.57	32.28	46.00	-13.72	Peak	VERTICAL
1	125.40	32.10	-7.33	24.77	43.50	-18.73	Peak	HORIZONTAL
2	166.78	36.53	-5.54	30.99	43.50	-12.51	Peak	HORIZONTAL
3	193.24	40.08	-8.17	31.91	43.50	-11.59	Peak	HORIZONTAL
4	240.46	43.31	-6.96	36.35	46.00	-9.65	Peak	HORIZONTAL
5	300.41	36.19	-4.56	31.63	46.00	-14.37	Peak	HORIZONTAL
6	755.51	30.56	4.09	34.65	46.00	-11.35	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported
2 Measuring frequencies from the lowest internal frequency to the 1GHz.
3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.43	33.37	-7.10	26.27	40.00	-13.73	Peak	VERTICAL
2	240.21	33.85	-6.96	26.89	46.00	-19.11	Peak	VERTICAL
3	399.87	33.36	-2.76	30.60	46.00	-15.40	Peak	VERTICAL
4	435.93	33.27	-1.77	31.50	46.00	-14.50	Peak	VERTICAL
5	609.14	29.85	1.36	31.21	46.00	-14.79	Peak	VERTICAL
6	777.23	28.72	4.30	33.02	46.00	-12.98	Peak	VERTICAL
1	125.47	34.24	-7.33	26.91	43.50	-16.59	Peak	HORIZONTAL
2	167.03	36.53	-5.54	30.99	43.50	-12.51	Peak	HORIZONTAL
3	193.04	40.33	-8.17	32.16	43.50	-11.34	Peak	HORIZONTAL
4	246.08	43.12	-6.72	36.40	46.00	-9.60	Peak	HORIZONTAL
5	300.35	34.99	-4.56	30.43	46.00	-15.57	Peak	HORIZONTAL
6	498.09	31.01	-1.08	29.93	46.00	-16.07	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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 VHT20 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.56	32.93	-7.10	25.83	40.00	-14.17	Peak	VERTICAL
2	193.23	32.95	-8.17	24.78	43.50	-18.72	Peak	VERTICAL
3	239.96	35.19	-6.96	28.23	46.00	-17.77	Peak	VERTICAL
4	300.97	31.37	-4.56	26.81	46.00	-19.19	Peak	VERTICAL
5	400.40	35.71	-2.75	32.96	46.00	-13.04	Peak	VERTICAL
6	697.73	30.51	2.57	33.08	46.00	-12.92	Peak	VERTICAL
1	126.03	32.71	-7.33	25.38	43.50	-18.12	Peak	HORIZONTAL
2	166.71	35.86	-5.54	30.32	43.50	-13.18	Peak	HORIZONTAL
3	193.49	39.66	-8.17	31.49	43.50	-12.01	Peak	HORIZONTAL
4	240.04	43.72	-6.96	36.76	46.00	-9.24	Peak	HORIZONTAL
5	301.28	35.53	-4.56	30.97	46.00	-15.03	Peak	HORIZONTAL
6	755.10	29.55	4.09	33.64	46.00	-12.36	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported
2 Measuring frequencies from the lowest internal frequency to the 1GHz.
3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH Mid	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	63.01	32.61	-7.10	25.51	40.00	-14.49	Peak	VERTICAL
2	193.46	32.87	-8.17	24.70	43.50	-18.80	Peak	VERTICAL
3	242.24	34.76	-6.88	27.88	46.00	-18.12	Peak	VERTICAL
4	400.32	33.75	-2.75	31.00	46.00	-15.00	Peak	VERTICAL
5	475.43	31.24	-1.27	29.97	46.00	-16.03	Peak	VERTICAL
6	700.49	30.03	2.65	32.68	46.00	-13.32	Peak	VERTICAL
1	126.32	32.39	-7.40	24.99	43.50	-18.51	Peak	HORIZONTAL
2	166.62	35.29	-5.54	29.75	43.50	-13.75	Peak	HORIZONTAL
3	192.63	40.51	-8.17	32.34	43.50	-11.16	Peak	HORIZONTAL
4	244.46	43.67	-6.76	36.91	46.00	-9.09	Peak	HORIZONTAL
5	301.49	35.06	-4.56	30.50	46.00	-15.50	Peak	HORIZONTAL
6	732.20	37.13	3.18	40.31	46.00	-5.69	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.81	33.44	-7.10	26.34	40.00	-13.66	Peak	VERTICAL
2	240.08	34.14	-6.96	27.18	46.00	-18.82	Peak	VERTICAL
3	400.22	33.25	-2.76	30.49	46.00	-15.51	Peak	VERTICAL
4	435.38	32.80	-1.77	31.03	46.00	-14.97	Peak	VERTICAL
5	609.46	30.26	1.36	31.62	46.00	-14.38	Peak	VERTICAL
6	777.36	28.12	4.30	32.42	46.00	-13.58	Peak	VERTICAL
1	125.40	33.74	-7.33	26.34	43.50	-13.66	Peak	HORIZONTAL
2	167.41	36.51	-5.54	27.18	43.50	-18.82	Peak	HORIZONTAL
3	192.06	40.14	-8.17	30.49	43.50	-15.51	Peak	HORIZONTAL
4	245.13	42.96	-6.72	31.03	46.00	-14.97	Peak	HORIZONTAL
5	299.87	34.82	-4.56	31.62	46.00	-14.38	Peak	HORIZONTAL
6	498.47	31.21	-1.08	32.42	46.00	-13.58	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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 VHT40 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	64.48	34.14	-7.10	27.04	40.00	-12.96	Peak	VERTICAL
2	193.25	32.34	-8.17	24.17	43.50	-19.33	Peak	VERTICAL
3	240.84	36.31	-6.96	29.35	46.00	-16.65	Peak	VERTICAL
4	301.55	32.08	-4.56	27.52	46.00	-18.48	Peak	VERTICAL
5	401.33	35.62	-2.75	32.87	46.00	-13.13	Peak	VERTICAL
6	699.05	30.14	2.57	32.71	46.00	-13.29	Peak	VERTICAL
1	126.42	32.65	-7.33	25.32	43.50	-18.18	Peak	HORIZONTAL
2	168.00	36.57	-5.54	31.03	43.50	-12.47	Peak	HORIZONTAL
3	193.16	40.31	-8.17	32.14	43.50	-11.36	Peak	HORIZONTAL
4	241.07	42.74	-6.96	35.78	46.00	-10.22	Peak	HORIZONTAL
5	300.68	37.36	-4.56	32.80	46.00	-13.20	Peak	HORIZONTAL
6	756.31	30.60	4.09	34.69	46.00	-11.31	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported
2 Measuring frequencies from the lowest internal frequency to the 1GHz.
3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.91	33.95	-7.10	26.85	40.00	-13.15	Peak	VERTICAL
2	241.48	34.44	-6.96	27.48	46.00	-18.52	Peak	VERTICAL
3	400.05	34.16	-2.76	31.40	46.00	-14.60	Peak	VERTICAL
4	436.46	34.66	-1.77	32.89	46.00	-13.11	Peak	VERTICAL
5	608.69	30.27	1.36	31.63	46.00	-14.37	Peak	VERTICAL
6	778.41	28.91	4.30	33.21	46.00	-12.79	Peak	VERTICAL
1	125.56	34.74	-7.33	27.41	43.50	-16.09	Peak	HORIZONTAL
2	167.48	36.66	-5.54	31.12	43.50	-12.38	Peak	HORIZONTAL
3	194.02	41.35	-8.17	33.18	43.50	-10.32	Peak	HORIZONTAL
4	246.56	43.61	-6.72	36.89	46.00	-9.11	Peak	HORIZONTAL
5	301.69	35.62	-4.56	31.06	46.00	-14.94	Peak	HORIZONTAL
6	499.32	32.24	-1.08	31.16	46.00	-14.84	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Pol	Ver./Hor
Humidity	65 %		

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	62.71	33.23	-7.10	26.13	40.00	-13.87	Peak	VERTICAL
2	193.14	33.04	-8.17	24.87	43.50	-18.63	Peak	VERTICAL
3	240.48	34.71	-6.96	27.75	46.00	-18.25	Peak	VERTICAL
4	300.15	31.32	-4.56	26.76	46.00	-19.24	Peak	VERTICAL
5	401.14	36.20	-2.75	33.45	46.00	-12.55	Peak	VERTICAL
6	698.54	30.09	2.57	32.66	46.00	-13.34	Peak	VERTICAL
1	126.53	32.28	-7.33	24.95	43.50	-18.55	Peak	HORIZONTAL
2	167.18	36.23	-5.54	30.69	43.50	-12.81	Peak	HORIZONTAL
3	193.24	39.41	-8.17	31.24	43.50	-12.26	Peak	HORIZONTAL
4	240.73	44.11	-6.96	37.15	46.00	-8.85	Peak	HORIZONTAL
5	300.48	36.12	-4.56	31.56	46.00	-14.44	Peak	HORIZONTAL
6	754.92	30.11	4.09	34.20	46.00	-11.80	Peak	HORIZONTAL

Remark:

1 emission is 20dB lower, so that emission as measured between 9kHz to 30MHz is not reported

2 Measuring frequencies from the lowest internal frequency to the 1GHz.

3 Radiated emissions measured in frequency range from 9MHz 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, 802.11a mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10360.00	45.12	2.62	47.74	68.20	-20.46	Peak	VERTICAL
2	14226.17	45.53	7.13	52.66	68.20	-15.54	Peak	VERTICAL
1	10360.00	45.43	2.62	48.05	68.20	-20.15	Peak	HORIZONTAL
2	14260.75	45.91	7.21	53.12	68.20	-15.08	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	2021/08/04
Channel Number	CH Mid	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10400.00	44.37	2.75	47.12	68.20	-21.08	Peak	VERTICAL
2	14430.62	45.53	7.60	53.13	68.20	-15.07	Peak	VERTICAL
1	10400.00	44.92	2.75	47.67	68.20	-20.53	Peak	HORIZONTAL
2	14515.79	45.57	7.77	53.34	68.20	-14.86	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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10480.00	44.64	2.84	47.48	68.20	-20.72	Peak	VERTICAL
2	14209.23	45.43	7.10	52.53	68.20	-15.67	Peak	VERTICAL
1	10480.00	44.23	2.84	47.07	68.20	-21.13	Peak	HORIZONTAL
2	14328.77	44.60	7.36	51.96	68.20	-16.24	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.

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

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10360.00	45.55	2.62	48.17	68.20	-20.03	Peak	VERTICAL
2	14226.91	45.69	7.13	52.82	68.20	-15.38	Peak	VERTICAL
1	10360.00	45.56	2.62	48.18	68.20	-20.02	Peak	HORIZONTAL
2	14261.32	46.44	7.21	53.65	68.20	-14.55	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	2021/08/04
Channel Number	CH Mid	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10400.00	44.47	2.75	47.22	68.20	-20.98	Peak	VERTICAL
2	14430.88	45.47	7.60	53.07	68.20	-15.13	Peak	VERTICAL
1	10400.00	45.27	2.75	48.02	68.20	-20.18	Peak	HORIZONTAL
2	14516.24	46.46	7.77	54.23	68.20	-13.97	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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10480.00	44.95	2.84	47.79	68.20	-20.41	Peak	VERTICAL
2	14210.61	45.87	7.10	52.97	68.20	-15.23	Peak	VERTICAL
1	10480.00	44.71	2.84	47.55	68.20	-20.65	Peak	HORIZONTAL
2	14329.72	45.52	7.36	52.88	68.20	-15.32	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)

(Band UNII-1, 802.11n HT40 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10380.00	45.58	2.62	48.20	68.20	-20.00	Peak	VERTICAL
2	14226.98	45.71	7.13	52.84	68.20	-15.36	Peak	VERTICAL
1	10380.00	46.23	2.62	48.85	68.20	-19.35	Peak	HORIZONTAL
2	14261.26	45.54	7.21	52.75	68.20	-15.45	Peak	HORIZONTAL

Remark:

1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.

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

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10460.00	44.85	2.84	47.69	68.20	-20.51	Peak	VERTICAL
2	14209.82	45.91	7.10	53.01	68.20	-15.19	Peak	VERTICAL
1	10460.00	44.49	2.84	47.33	68.20	-20.87	Peak	HORIZONTAL
2	14329.43	45.01	7.36	52.37	68.20	-15.83	Peak	HORIZONTAL

Remark:

1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.

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

Radiated Spurious Emission Measurement Result (above 1GHz)

(Band UNII-1, 802.11ac VHT20 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10360.00	45.11	2.62	47.73	68.20	-20.47	Peak	VERTICAL
2	14227.51	45.68	7.13	52.81	68.20	-15.39	Peak	VERTICAL
1	10360.00	46.01	2.62	48.63	68.20	-19.57	Peak	HORIZONTAL
2	14261.22	46.09	7.21	53.30	68.20	-14.90	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	2021/08/04
Channel Number	CH Mid	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10400.00	44.52	2.75	47.27	68.20	-20.93	Peak	VERTICAL
2	14431.02	46.93	7.60	54.53	68.20	-13.67	Peak	VERTICAL
1	10400.00	44.52	2.75	47.27	68.20	-20.93	Peak	HORIZONTAL
2	14431.02	46.93	7.60	54.53	68.20	-13.67	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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10480.00	45.82	2.84	48.66	68.20	-19.54	Peak	VERTICAL
2	14210.14	45.02	7.10	52.12	68.20	-16.08	Peak	VERTICAL
1	10480.00	45.20	2.84	48.04	68.20	-20.16	Peak	HORIZONTAL
2	14328.09	45.02	7.36	52.38	68.20	-15.82	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)

(Band UNII-1, 802.11ac VHT40 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10380.00	45.33	2.62	47.95	68.20	-20.25	Peak	VERTICAL
2	14227.59	47.22	7.13	54.35	68.20	-13.85	Peak	VERTICAL
1	10380.00	46.82	2.62	49.44	68.20	-18.76	Peak	HORIZONTAL
2	14261.23	46.32	7.21	53.53	68.20	-14.67	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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10460.00	45.22	2.84	48.06	68.20	-20.14	Peak	VERTICAL
2	14210.04	46.19	7.10	53.29	68.20	-14.91	Peak	VERTICAL
1	10460.00	45.07	2.84	47.91	68.20	-20.29	Peak	HORIZONTAL
2	14330.28	45.68	7.36	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)

(Band UNII-1, 802.11ac VHT80 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	10420.00	45.61	2.62	48.23	68.20	-19.97	Peak	VERTICAL
2	14226.81	45.62	7.13	52.75	68.20	-15.45	Peak	VERTICAL
1	10420.00	45.77	2.62	48.39	68.20	-19.81	Peak	HORIZONTAL
2	14261.82	45.53	7.21	52.74	68.20	-15.46	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)

(Band UNII-3, 802.11 a mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11490.00	42.65	5.23	47.88	74.00	-26.12	Peak	VERTICAL
2	14294.25	45.61	7.29	52.90	68.20	-15.30	Peak	VERTICAL
1	11490.00	43.17	5.23	48.40	74.00	-25.60	Peak	HORIZONTAL
2	14379.97	45.00	7.48	52.48	68.20	-15.72	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, 802.11 a mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Mid	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11570.00	42.59	5.44	48.03	74.00	-25.97	Peak	VERTICAL
2	14192.61	44.82	7.07	51.89	68.20	-16.31	Peak	VERTICAL
1	11570.00	42.92	5.44	48.36	74.00	-25.64	Peak	HORIZONTAL
2	14328.99	44.56	7.36	51.92	68.20	-16.28	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, 802.11 a mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11650.00	43.26	5.65	48.91	74.00	-25.09	Peak	VERTICAL
2	13733.59	45.42	6.95	52.37	68.20	-15.83	Peak	VERTICAL
1	11650.00	43.78	5.65	49.43	74.00	-24.57	Peak	HORIZONTAL
2	14447.12	43.89	7.62	51.51	68.20	-16.69	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	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11490.00	43.42	5.23	48.65	74.00	-25.35	Peak	VERTICAL
2	14294.32	45.51	7.29	52.80	68.20	-15.40	Peak	VERTICAL
1	11490.00	43.11	5.23	48.34	74.00	-25.66	Peak	HORIZONTAL
2	14379.86	45.26	7.48	52.74	68.20	-15.46	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)
(Band UNII-3, 802.11n HT20 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Mid	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11570.00	42.72	5.44	48.16	74.00	-25.84	Peak	VERTICAL
2	14193.00	46.27	7.07	53.34	68.20	-14.86	Peak	VERTICAL
1	11570.00	42.52	5.44	47.96	74.00	-26.04	Peak	HORIZONTAL
2	14328.35	44.60	7.36	51.96	68.20	-16.24	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.

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11650.00	43.29	5.65	48.94	74.00	-25.06	Peak	VERTICAL
2	13734.37	45.81	6.95	52.76	68.20	-15.44	Peak	VERTICAL
1	11650.00	45.28	5.65	50.93	74.00	-23.07	Peak	HORIZONTAL
2	14447.31	44.89	7.62	52.51	68.20	-15.69	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	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11510.00	43.00	5.23	48.23	74.00	-25.77	Peak	VERTICAL
2	14294.46	45.49	7.29	52.78	68.20	-15.42	Peak	VERTICAL
1	11510.00	43.70	5.23	48.93	74.00	-25.07	Peak	HORIZONTAL
2	14380.19	44.69	7.48	52.17	68.20	-16.03	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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11590.00	43.77	5.44	49.21	74.00	-24.79	Peak	VERTICAL
2	14193.08	46.51	7.07	53.58	68.20	-14.62	Peak	VERTICAL
1	11590.00	44.20	5.44	49.64	74.00	-24.36	Peak	HORIZONTAL
2	14328.71	44.46	7.36	51.82	68.20	-16.38	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 VHT20 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11490.00	43.59	5.23	48.82	74.00	-25.18	Peak	VERTICAL
2	14294.41	45.78	7.29	53.07	68.20	-15.13	Peak	VERTICAL
1	11490.00	44.09	5.23	49.32	74.00	-24.68	Peak	HORIZONTAL
2	14380.26	45.38	7.48	52.86	68.20	-15.34	Peak	HORIZONTAL

Remark:

1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.

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

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Mid	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11570.00	43.48	5.44	48.92	74.00	-25.08	Peak	VERTICAL
2	14192.79	45.52	7.07	52.59	68.20	-15.61	Peak	VERTICAL
1	11570.00	42.56	5.44	48.00	74.00	-26.00	Peak	HORIZONTAL
2	14328.57	45.09	7.36	52.45	68.20	-15.75	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	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11570.00	42.56	5.44	48.00	74.00	-26.00	Peak	VERTICAL
2	14328.57	45.09	7.36	52.45	68.20	-15.75	Peak	VERTICAL
1	11650.00	43.97	5.65	49.62	74.00	-24.38	Peak	HORIZONTAL
2	14448.27	44.32	7.62	51.94	68.20	-16.26	Peak	HORIZONTAL

Remark:

1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.

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

Radiated Spurious Emission Measurement Result (above 1GHz)

(Band UNII-3, 802.11ac VHT40 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11510.00	43.22	5.23	48.45	74.00	-25.55	Peak	VERTICAL
2	14294.83	46.48	7.29	53.77	68.20	-14.43	Peak	VERTICAL
1	11510.00	44.20	5.23	49.43	74.00	-24.57	Peak	HORIZONTAL
2	14381.05	44.92	7.48	52.40	68.20	-15.80	Peak	HORIZONTAL

Remark:

1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.

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

Radiated Spurious Emission Measurement Result (above 1GHz)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH High	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11590.00	43.28	5.44	48.72	74.00	-25.28	Peak	VERTICAL
1	14380.42	45.50	7.48	52.98	68.20	-15.22	Peak	VERTICAL
1	11590.00	44.74	5.44	50.18	74.00	-23.82	Peak	HORIZONTAL
2	14328.87	45.36	7.36	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, 802.11ac VHT80 mode)

Operation Mode	TX MODE	Test Date	2021/08/04
Channel Number	CH Low	Test By	Weitin
Temperature	25 ℃	Humidity	60 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	11550.00	42.49	5.23	47.72	74.00	-26.28	Peak	VERTICAL
2	14294.35	44.80	7.29	52.09	68.20	-16.11	Peak	VERTICAL
1	11550.00	44.30	5.23	49.53	74.00	-24.47	Peak	HORIZONTAL
2	14379.08	44.92	7.48	52.40	68.20	-15.80	Peak	HORIZONTAL

Remark:

1 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.

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

Band Edges test (Band UNII-1, 802.11a mode) -Radiated

Operation Mode	TX CH Low Ch	Test Date	2021/08/04
Channel Number	5180 MHz	Test By	Weitin
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5150.00	47.33	-6.91	40.42	54.00	-13.58	Average	VERTICAL
2	5150.00	62.35	-6.91	55.44	74.00	-18.56	Peak	VERTICAL
1	5150.00	47.12	-6.91	40.21	54.00	-13.79	Average	HORIZONTAL
2	5150.00	62.98	-6.91	56.07	74.00	-17.93	Peak	HORIZONTAL

Operation Mode	TX CH High Ch	Test Date	2021/08/04
Channel Number	5240MHz	Test By	Weitin
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5350.00	55.68	-6.11	49.57	74.00	-24.43	Peak	VERTICAL
1	5350.00	55.56	-6.11	49.45	74.00	-24.55	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, 802.11n HT20 mode) -Radiated

Operation Mode	TX CH Low	Test Date	2021/08/04
Channel Number	5180 MHz	Test By	Weitin
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5150.00	59.88	-6.91	52.97	74.00	-21.03	Peak	VERTICAL
1	5150.00	47.94	-6.91	41.03	54.00	-12.97	Average	HORIZONTAL
2	5150.00	62.16	-6.91	55.25	74.00	-18.75	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2021/08/04
Channel Number	5240MHz	Test By	Weitin
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5350.00	55.71	-6.11	49.60	74.00	-24.40	Peak	VERTICAL
1	5350.00	55.28	-6.11	49.17	74.00	-24.83	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, 802.11n HT40 mode) -Radiated

Operation Mode	TX CH Low	Test Date	2021/08/04
Channel Number	5190 MHz	Test By	Weitin
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5150.00	56.22	-6.91	49.31	74.00	-24.69	Peak	VERTICAL
1	5150.00	57.30	-6.91	50.39	74.00	-23.61	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2021/08/04
Channel Number	5230MHz	Test By	Weitin
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5350.00	54.45	-6.11	48.34	74.00	5350.00	Peak	VERTICAL
1	5350.00	55.07	-6.11	48.96	74.00	-25.04	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, 802.11ac VHT20 mode) -Radiated

Operation Mode	TX CH Low	Test Date	2021/08/04
Channel Number	5180 MHz	Test By	Weitin
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5150.00	59.68	-6.91	52.77	74.00	-21.23	Peak	VERTICAL
1	5150.00	49.36	-6.91	42.45	54.00	-11.55	Average	HORIZONTAL
2	5150.00	64.63	-6.91	57.72	74.00	-16.28	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2021/08/04
Channel Number	5240MHz	Test By	Weitin
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5350.00	55.48	-6.11	49.37	74.00	-24.63	Peak	VERTICAL
1	5350.00	55.46	-6.11	49.35	74.00	-24.65	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, 802.11ac VHT40 mode) -Radiated

Operation Mode	TX CH Low	Test Date	2021/08/04
Channel Number	5190 MHz	Test By	Weitin
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5150.00	55.74	-6.91	48.83	74.00	-25.17	Peak	VERTICAL
1	5150.00	56.71	-6.91	49.80	74.00	-24.20	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2021/08/04
Channel Number	5230MHz	Test By	Weitin
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5350.00	54.63	-6.11	48.52	74.00	-25.48	Peak	VERTICAL
1	5350.00	56.36	-6.11	50.25	74.00	-23.75	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, 802.11ac VHT80 mode) -Radiated

Operation Mode	TX CH Low	Test Date	2021/08/04
Channel Number	5210 MHz	Test By	Weitin
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5150.00	48.34	-6.91	41.43	54.00	-12.57	Average	VERTICAL
2	5150.00	63.59	-6.91	56.68	74.00	-17.32	Peak	VERTICAL
1	5150.00	49.12	-6.91	42.21	54.00	-11.79	Average	HORIZONTAL
2	5150.00	63.91	-6.91	57.00	74.00	-17.00	Peak	HORIZONTAL

Operation Mode	TX CH High	Test Date	2021/08/04
Channel Number	5210 MHz	Test By	Weitin
Temperature	25 ℃	Humidity	65 %

No	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol V/H
1	5350.00	55.47	-6.11	49.36	74.00	-24.64	Peak	VERTICAL
1	5350.00	56.53	-6.11	50.42	74.00	-23.58	Peak	HORIZONTAL

Remark:

1 Measuring frequencies from the lowest internal frequency to the 10th of fundamental frequency

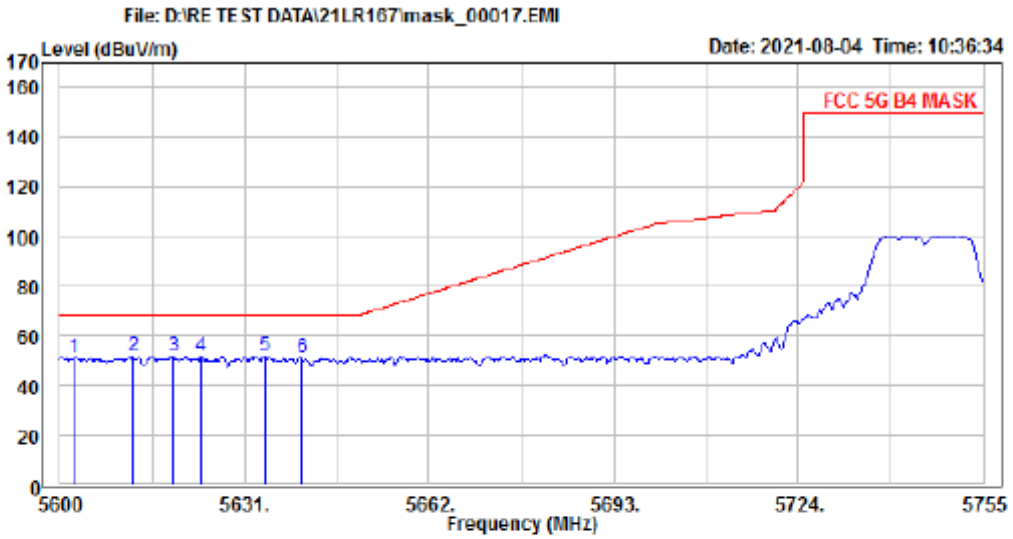
2 Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.

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.

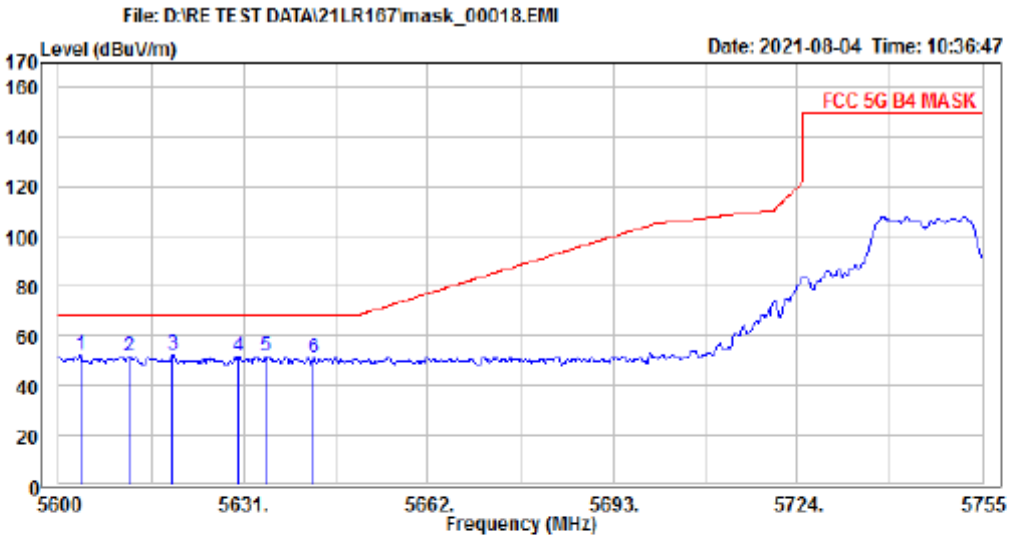
5 Spectrum AV mode if bandwidth Setting : 1GHz- 40GHz, RBW= 1MHz, VBW ≥ 1/Ton, Sweep time= 200 ms.

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



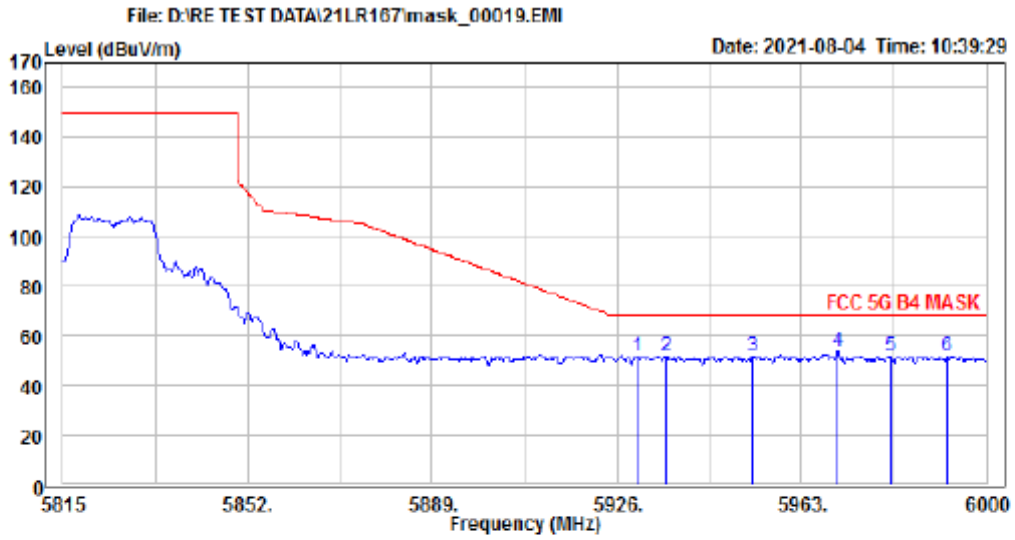
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 a Mode Low CH
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5602.325	55.62	-4.61	51.01	68.20	-17.19	Vertical
2	5612.245	56.16	-4.63	51.53	68.20	-16.67	Vertical
3 PP	5618.910	56.40	-4.65	51.75	68.20	-16.45	Vertical
4	5623.715	56.35	-4.65	51.70	68.20	-16.50	Vertical
5	5634.255	56.41	-4.69	51.72	68.20	-16.48	Vertical
6	5640.455	55.89	-4.69	51.20	68.20	-17.00	Vertical



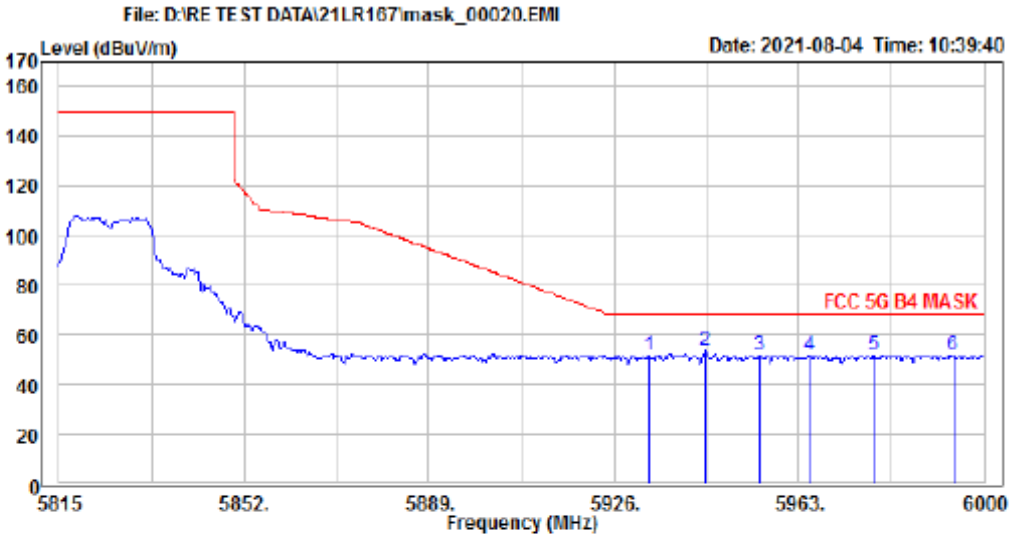
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 a Mode Low CH
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	PP	5603.565	56.86	-4.61	52.25	68.20	-15.95	Horizontal
2		5611.780	56.04	-4.63	51.41	68.20	-16.79	Horizontal
3		5619.065	56.86	-4.65	52.21	68.20	-15.99	Horizontal
4		5630.070	56.26	-4.67	51.59	68.20	-16.61	Horizontal
5		5634.720	56.31	-4.68	51.63	68.20	-16.57	Horizontal
6		5642.780	55.84	-4.70	51.14	68.20	-17.06	Horizontal



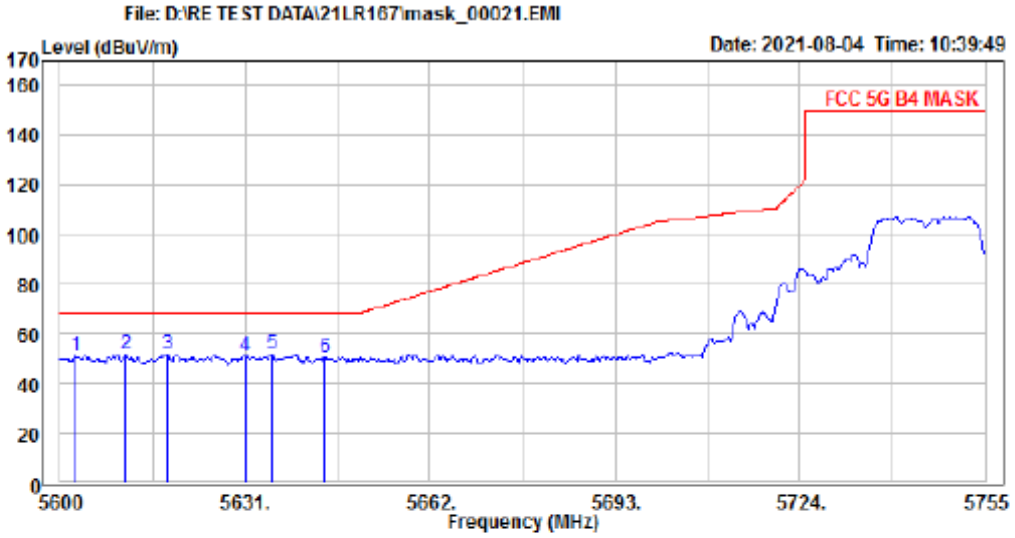
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 a Mode High CH
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5930.070	55.64	-3.87	51.77	68.20	-16.43	Vertical
2	5935.805	55.57	-3.87	51.70	68.20	-16.50	Vertical
3	5953.195	55.50	-3.87	51.63	68.20	-16.57	Vertical
4 PP	5970.215	57.60	-3.80	53.80	68.20	-14.40	Vertical
5	5980.760	55.76	-3.77	51.99	68.20	-16.21	Vertical
6	5992.230	55.49	-3.73	51.76	68.20	-16.44	Vertical



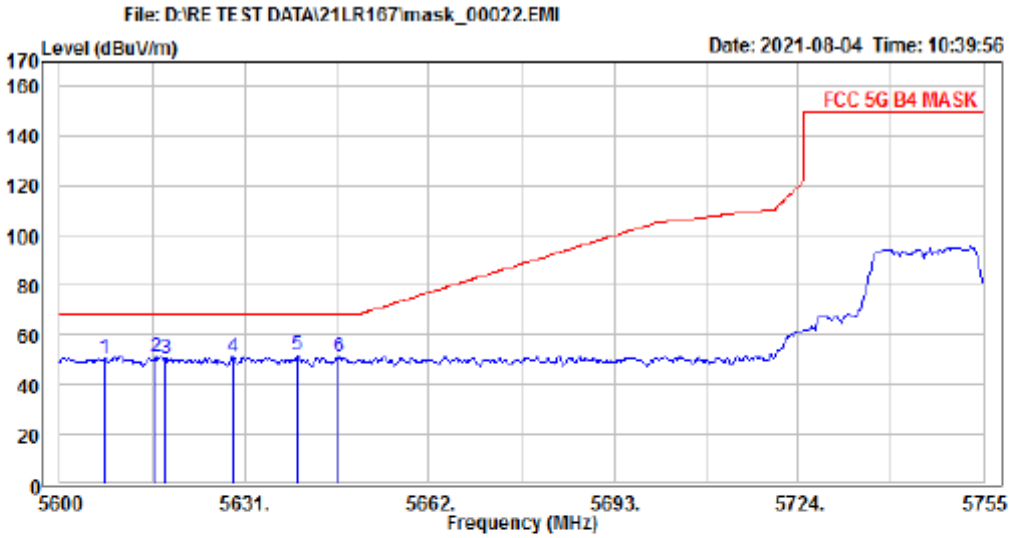
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 a Mode High CH
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5932.845	55.50	-3.88	51.62	68.20	-16.58	Horizontal
2	PP	5944.315	57.26	-3.88	53.38	68.20	-14.82	Horizontal
3		5955.230	55.62	-3.85	51.77	68.20	-16.43	Horizontal
4		5965.035	55.84	-3.82	52.02	68.20	-16.18	Horizontal
5		5977.985	55.56	-3.77	51.79	68.20	-16.41	Horizontal
6		5993.895	55.68	-3.71	51.97	68.20	-16.23	Horizontal



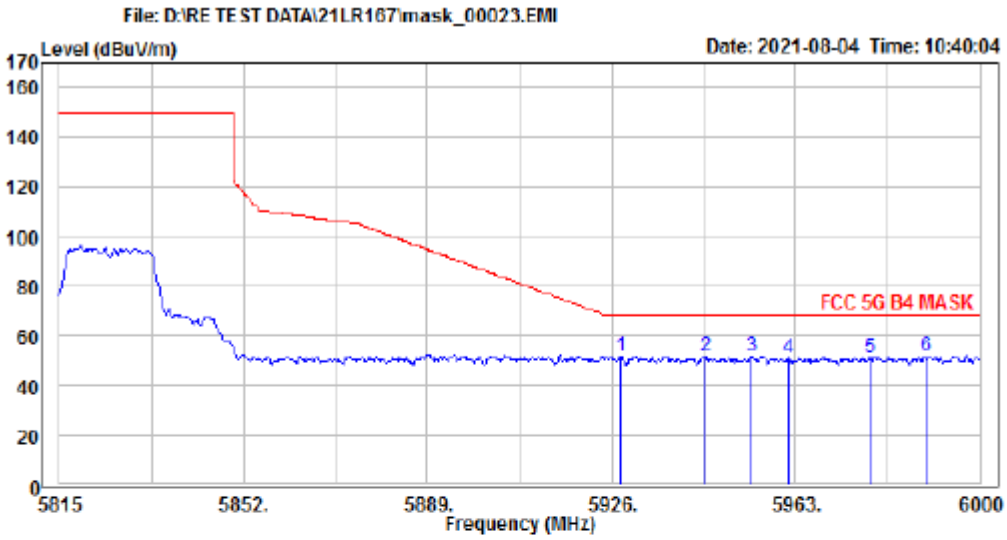
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 HT20 Mode Low CH
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5602.480	55.54	-4.61	50.93	68.20	-17.27	Vertical
2	5611.005	56.03	-4.62	51.41	68.20	-16.79	Vertical
3	5617.825	56.23	-4.64	51.59	68.20	-16.61	Vertical
4	5631.000	55.87	-4.67	51.20	68.20	-17.00	Vertical
5 PP	5635.340	56.43	-4.67	51.76	68.20	-16.44	Vertical
6	5644.330	55.21	-4.71	50.50	68.20	-17.70	Vertical



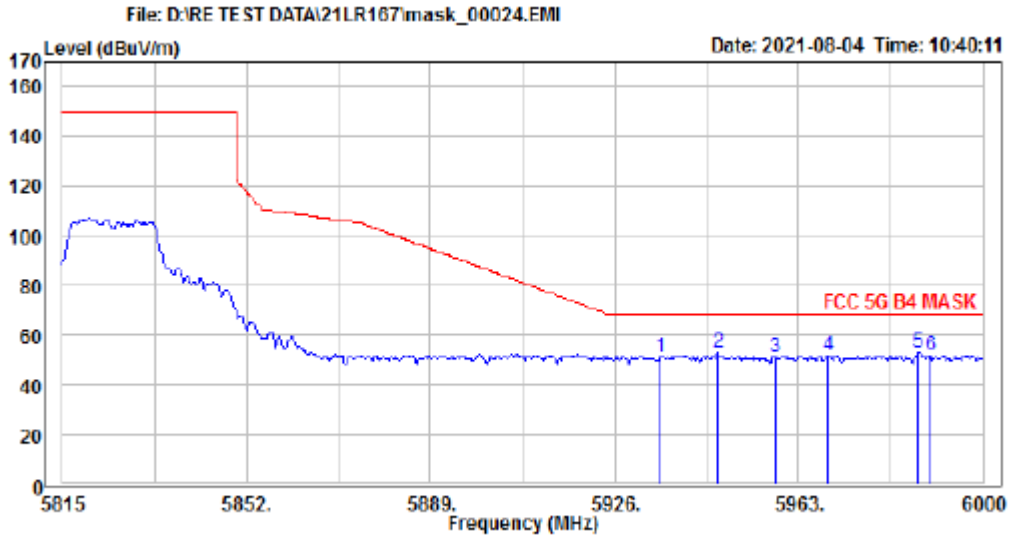
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 HT20 Mode Low CH
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5607.440	55.20	-4.62	50.58	68.20	-17.62	Horizontal
2		5616.120	55.71	-4.63	51.08	68.20	-17.12	Horizontal
3		5617.670	55.23	-4.64	50.59	68.20	-17.61	Horizontal
4		5628.985	55.57	-4.67	50.90	68.20	-17.30	Horizontal
5	PP	5639.835	56.21	-4.69	51.52	68.20	-16.68	Horizontal
6		5646.810	56.07	-4.71	51.36	68.20	-16.84	Horizontal



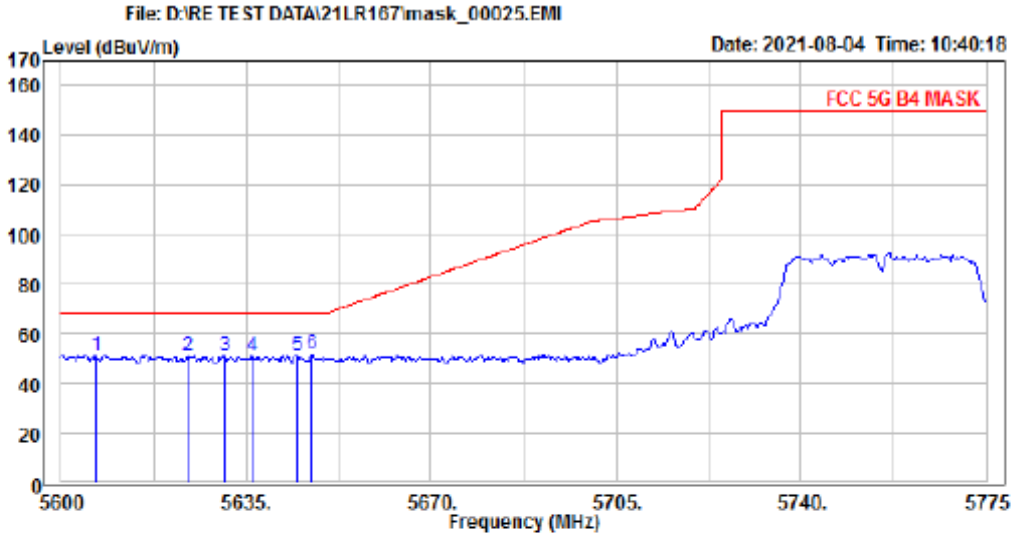
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 HT20 Mode High CH
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5927.850	55.59	-3.88	51.71	68.20	-16.49	Vertical
2	5944.870	55.89	-3.88	52.01	68.20	-16.19	Vertical
3 PP	5954.120	55.88	-3.87	52.01	68.20	-16.19	Vertical
4	5961.520	55.01	-3.84	51.17	68.20	-17.03	Vertical
5	5977.985	55.12	-3.77	51.35	68.20	-16.85	Vertical
6	5989.085	55.45	-3.73	51.72	68.20	-16.48	Vertical



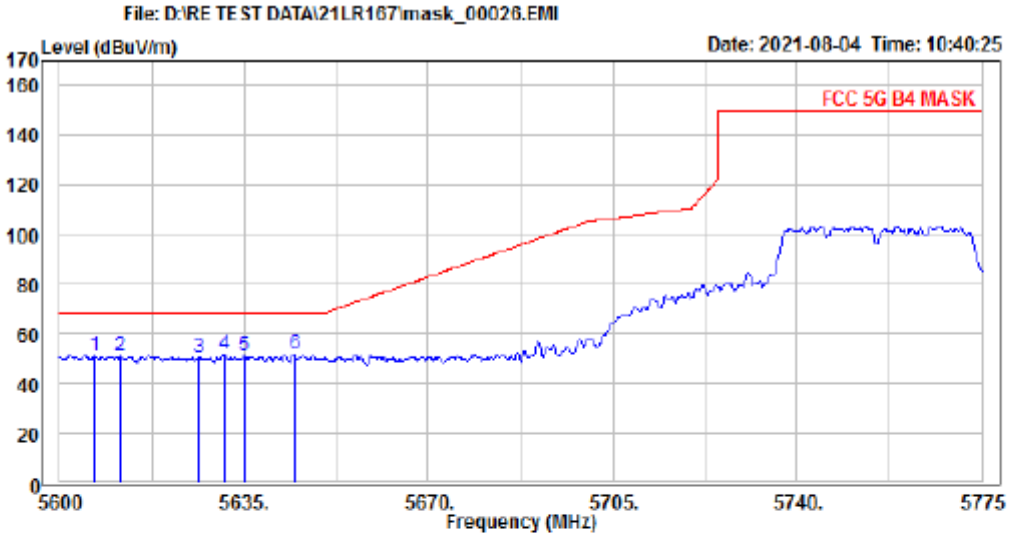
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 HT20 Mode High CH
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5935.250	55.24	-3.87	51.37	68.20	-16.83	Horizontal
2	5946.720	56.60	-3.87	52.73	68.20	-15.47	Horizontal
3	5958.190	55.15	-3.84	51.31	68.20	-16.89	Horizontal
4	5968.920	55.75	-3.80	51.95	68.20	-16.25	Horizontal
5 PP	5987.050	56.71	-3.74	52.97	68.20	-15.23	Horizontal
6	5989.455	55.59	-3.73	51.86	68.20	-16.34	Horizontal



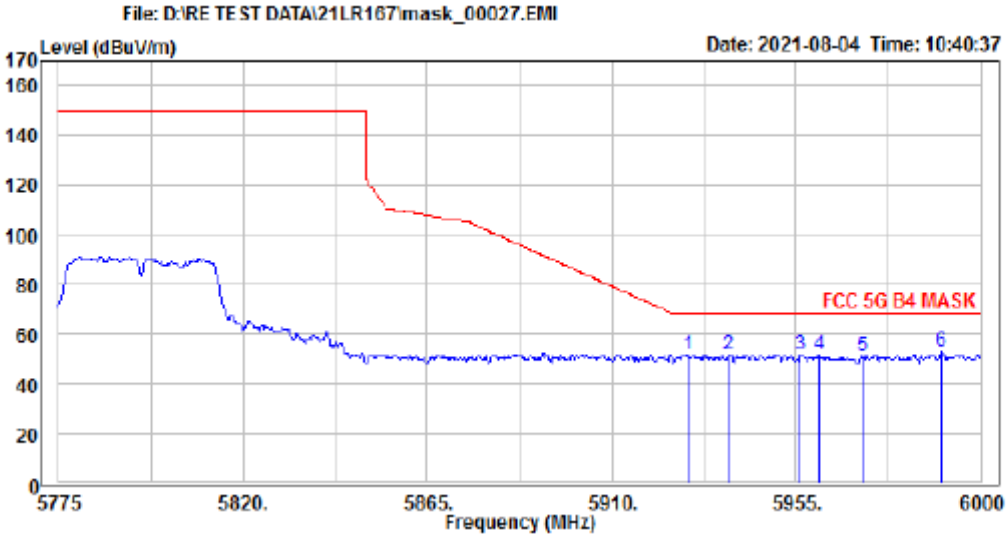
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 HT40 Mode Low CH
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5606.475	55.53	-4.62	50.91	68.20	-17.29	Vertical
2		5623.800	55.43	-4.66	50.77	68.20	-17.43	Vertical
3		5630.800	55.51	-4.67	50.84	68.20	-17.36	Vertical
4		5636.050	55.60	-4.67	50.93	68.20	-17.27	Vertical
5		5644.450	55.74	-4.71	51.03	68.20	-17.17	Vertical
6	PP	5647.425	56.45	-4.71	51.74	68.20	-16.46	Vertical



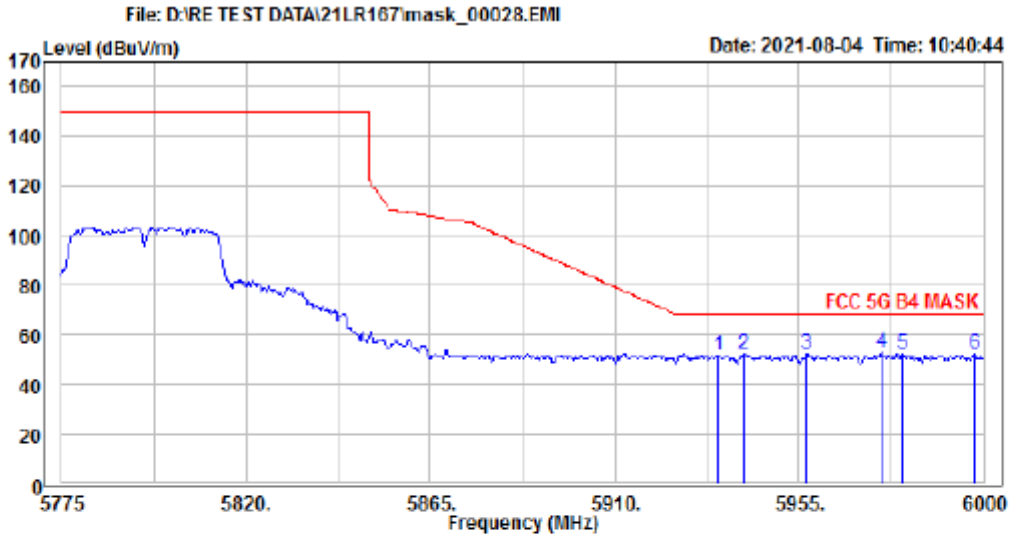
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 HT40 Mode Low CH
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5606.475	55.61	-4.62	50.99	68.20	-17.21	Horizontal
2		5611.550	55.57	-4.63	50.94	68.20	-17.26	Horizontal
3		5626.425	55.40	-4.66	50.74	68.20	-17.46	Horizontal
4		5631.150	56.30	-4.67	51.63	68.20	-16.57	Horizontal
5		5635.000	56.05	-4.68	51.37	68.20	-16.83	Horizontal
6	PP	5644.450	56.63	-4.71	51.92	68.20	-16.28	Horizontal



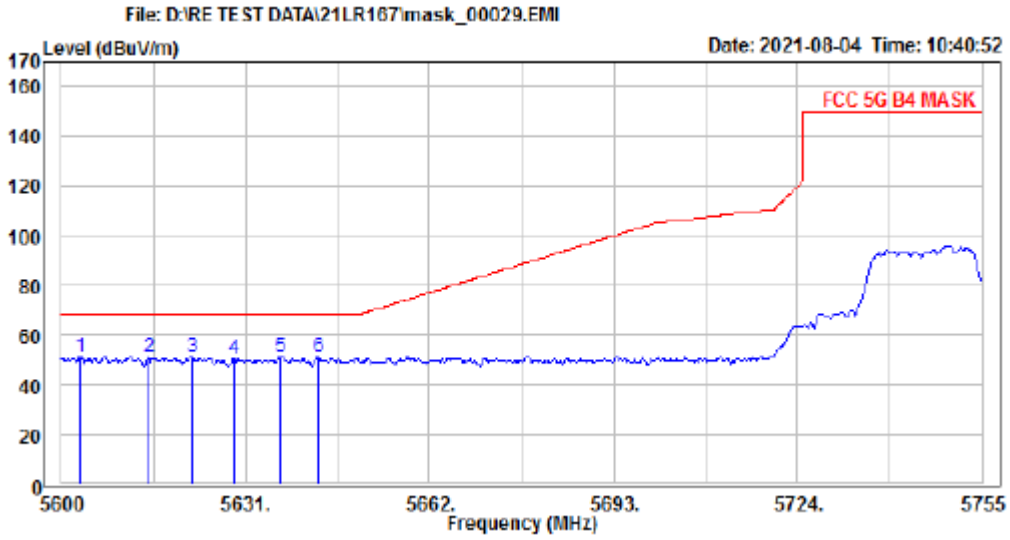
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 HT40 Mode High CH
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5928.450	55.79	-3.88	51.91	68.20	-16.29	Vertical
2		5938.575	55.31	-3.88	51.43	68.20	-16.77	Vertical
3		5955.900	55.54	-3.85	51.69	68.20	-16.51	Vertical
4		5960.625	55.32	-3.84	51.48	68.20	-16.72	Vertical
5		5971.200	55.01	-3.80	51.21	68.20	-16.99	Vertical
6	PP	5990.550	56.46	-3.73	52.73	68.20	-15.47	Vertical



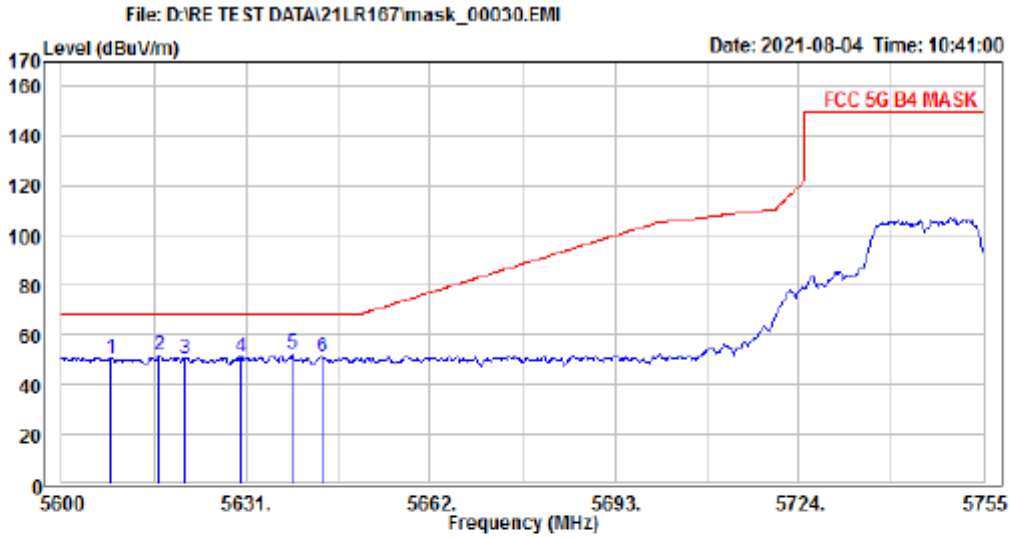
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 HT40 Mode High CH
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5935.200	55.88	-3.87	52.01	68.20	-16.19	Horizontal
2		5941.500	56.21	-3.88	52.33	68.20	-15.87	Horizontal
3		5956.800	55.99	-3.85	52.14	68.20	-16.06	Horizontal
4	PP	5975.025	56.53	-3.78	52.75	68.20	-15.45	Horizontal
5		5980.425	56.14	-3.77	52.37	68.20	-15.83	Horizontal
6		5997.750	55.81	-3.69	52.12	68.20	-16.08	Horizontal



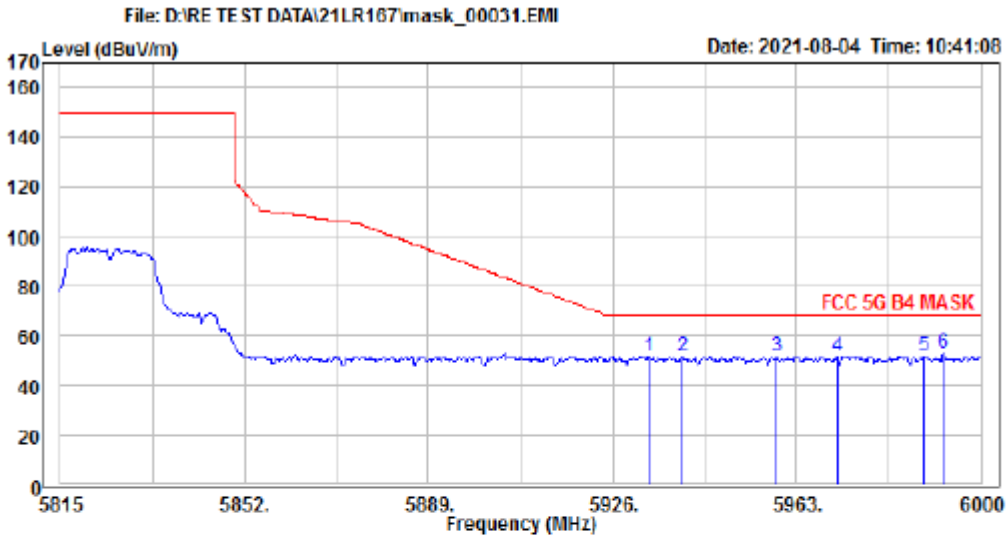
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 AC20 Mode Low CH
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5603.100	55.79	-4.61	51.18	68.20	-17.02	Vertical
2		5614.725	55.60	-4.64	50.96	68.20	-17.24	Vertical
3	PP	5621.855	55.87	-4.65	51.22	68.20	-16.98	Vertical
4		5628.985	55.13	-4.67	50.46	68.20	-17.74	Vertical
5		5636.735	55.76	-4.68	51.08	68.20	-17.12	Vertical
6		5643.245	55.70	-4.70	51.00	68.20	-17.20	Vertical



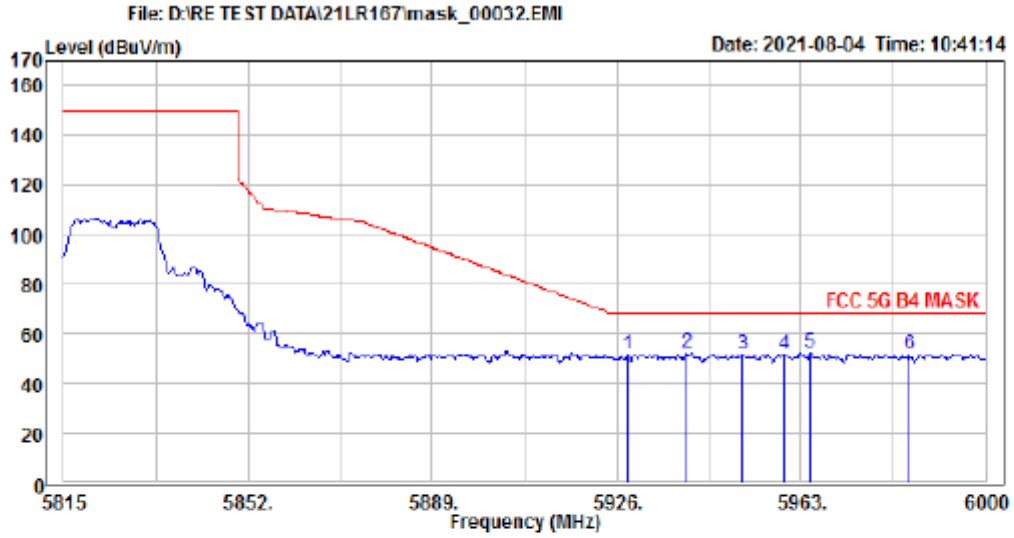
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 AC20 Mode Low CH
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5608.215	55.13	-4.62	50.51	68.20	-17.69	Horizontal
2	5616.430	56.06	-4.64	51.42	68.20	-16.78	Horizontal
3	5620.615	55.14	-4.65	50.49	68.20	-17.71	Horizontal
4	5630.070	55.61	-4.67	50.94	68.20	-17.26	Horizontal
5 PP	5638.750	56.98	-4.68	52.30	68.20	-15.90	Horizontal
6	5643.865	55.59	-4.71	50.88	68.20	-17.32	Horizontal



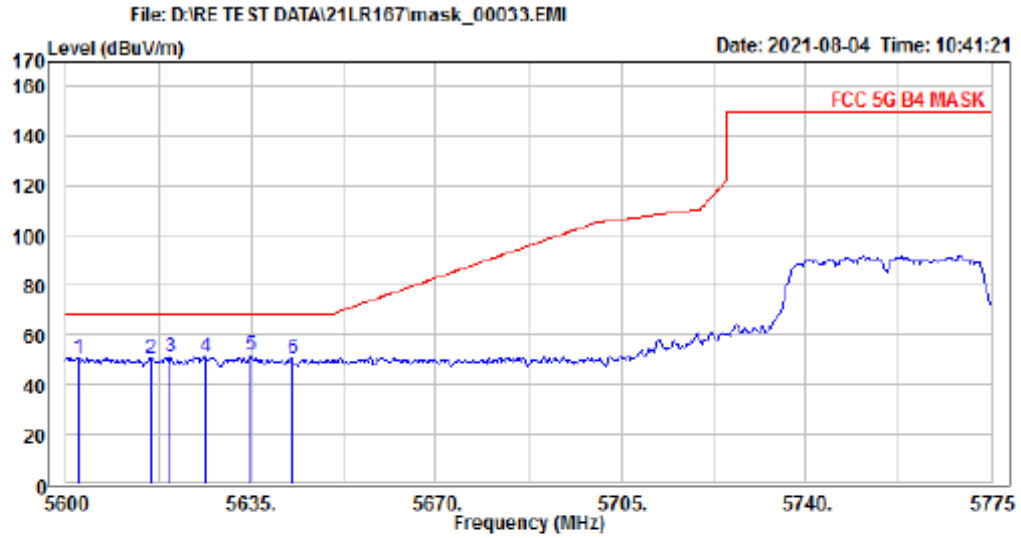
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 AC20 Mode High CH
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5933.215	55.59	-3.88	51.71	68.20	-16.49	Vertical
2		5940.060	55.55	-3.88	51.67	68.20	-16.53	Vertical
3		5959.115	55.33	-3.84	51.49	68.20	-16.71	Vertical
4		5971.140	55.41	-3.80	51.61	68.20	-16.59	Vertical
5		5988.530	55.40	-3.73	51.67	68.20	-16.53	Vertical
6	PP	5992.600	56.70	-3.72	52.98	68.20	-15.22	Vertical



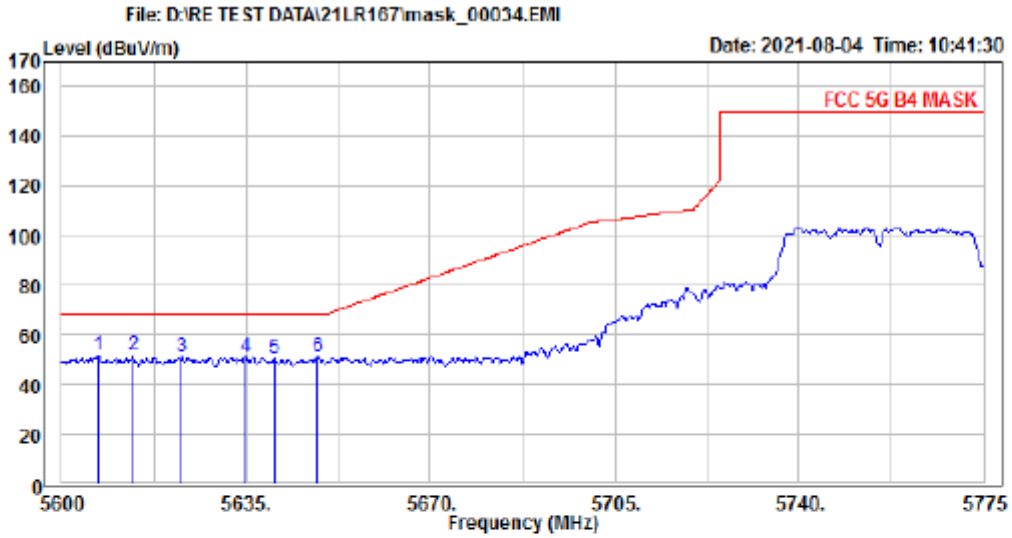
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 AC20 Mode High CH
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5928.220	55.41	-3.88	51.53	68.20	-16.67	Horizontal
2 PP	5940.060	56.12	-3.88	52.24	68.20	-15.96	Horizontal
3	5951.345	55.32	-3.88	51.44	68.20	-16.76	Horizontal
4	5959.485	55.64	-3.84	51.80	68.20	-16.40	Horizontal
5	5964.850	56.07	-3.83	52.24	68.20	-15.96	Horizontal
6	5984.645	55.39	-3.75	51.64	68.20	-16.56	Horizontal



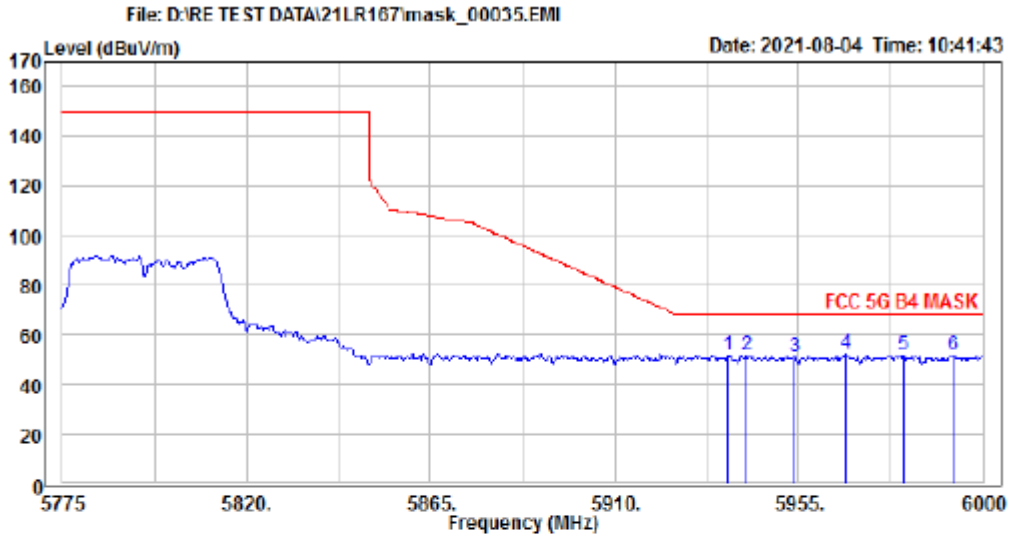
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 AC40 Mode Low CH
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5602.275	55.31	-4.61	50.70	68.20	-17.50	Vertical
2	5616.100	54.99	-4.63	50.36	68.20	-17.84	Vertical
3	5619.775	55.52	-4.65	50.87	68.20	-17.33	Vertical
4	5626.250	56.02	-4.65	51.37	68.20	-16.83	Vertical
5 PP	5634.825	56.11	-4.68	51.43	68.20	-16.77	Vertical
6	5642.700	54.81	-4.70	50.11	68.20	-18.09	Vertical



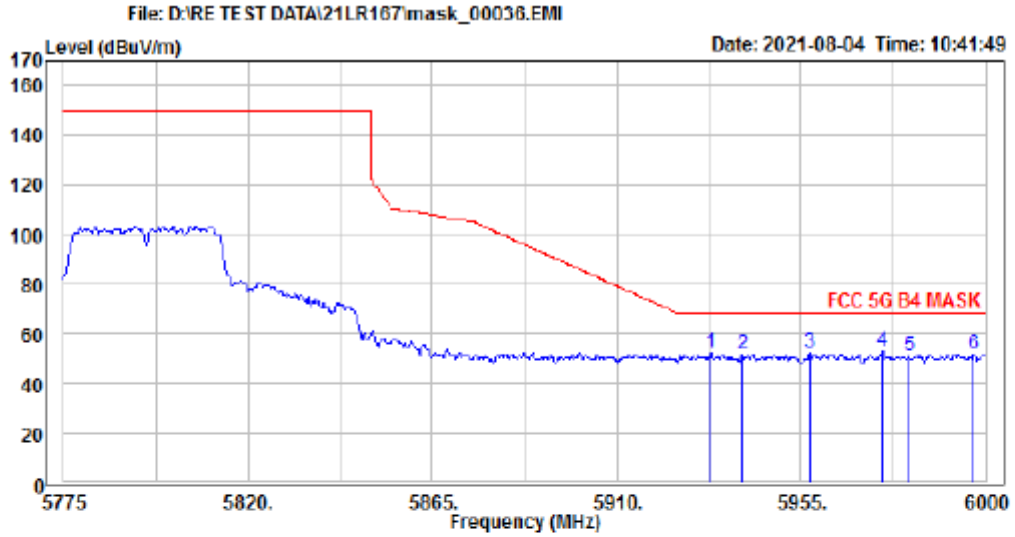
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 AC40 Mode Low CH
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	PP	5606.825	56.25	-4.62	51.63	68.20	-16.57	Horizontal
2		5613.475	56.24	-4.63	51.61	68.20	-16.59	Horizontal
3		5622.750	55.81	-4.65	51.16	68.20	-17.04	Horizontal
4		5634.825	56.06	-4.68	51.38	68.20	-16.82	Horizontal
5		5640.250	54.93	-4.69	50.24	68.20	-17.96	Horizontal
6		5648.650	56.02	-4.70	51.32	68.20	-16.88	Horizontal



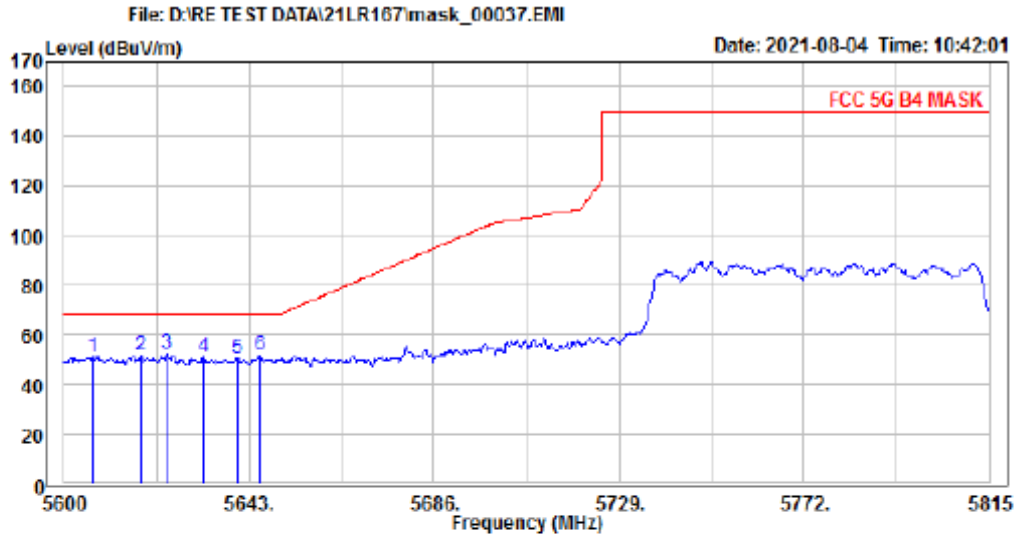
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 AC40 Mode High CH
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5937.675	55.48	-3.88	51.60	68.20	-16.60	Vertical
2		5942.175	55.54	-3.88	51.66	68.20	-16.54	Vertical
3		5953.875	55.02	-3.87	51.15	68.20	-17.05	Vertical
4	PP	5966.475	56.06	-3.82	52.24	68.20	-15.96	Vertical
5		5980.650	55.56	-3.77	51.79	68.20	-16.41	Vertical
6		5992.800	55.37	-3.72	51.65	68.20	-16.55	Vertical



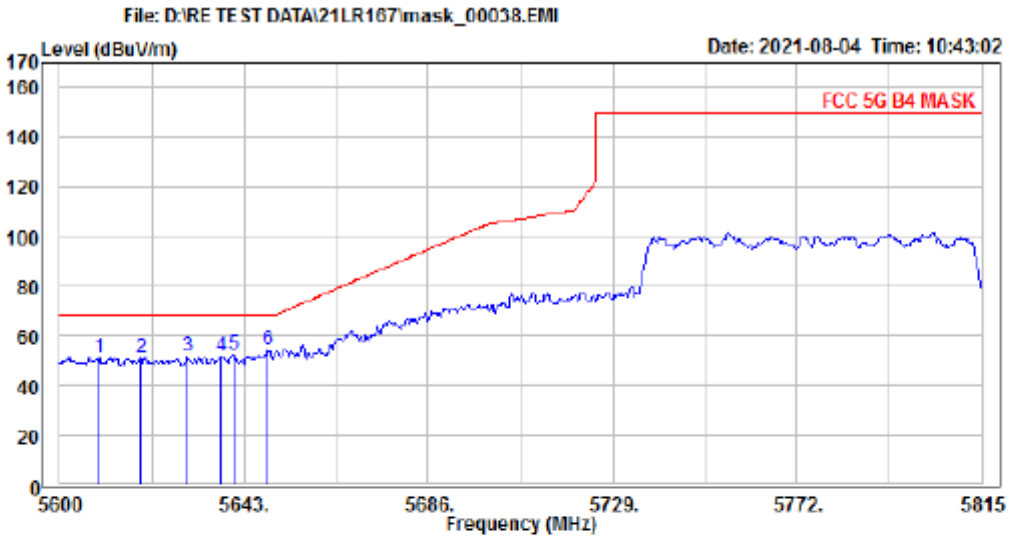
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 AC40 Mode High CH
Note :

		Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		5932.950	56.40	-3.88	52.52	68.20	-15.68	Horizontal
2		5940.600	55.61	-3.88	51.73	68.20	-16.47	Horizontal
3		5957.250	56.03	-3.85	52.18	68.20	-16.02	Horizontal
4	PP	5974.800	56.60	-3.79	52.81	68.20	-15.39	Horizontal
5		5981.325	54.85	-3.76	51.09	68.20	-17.11	Horizontal
6		5997.075	55.51	-3.70	51.81	68.20	-16.39	Horizontal



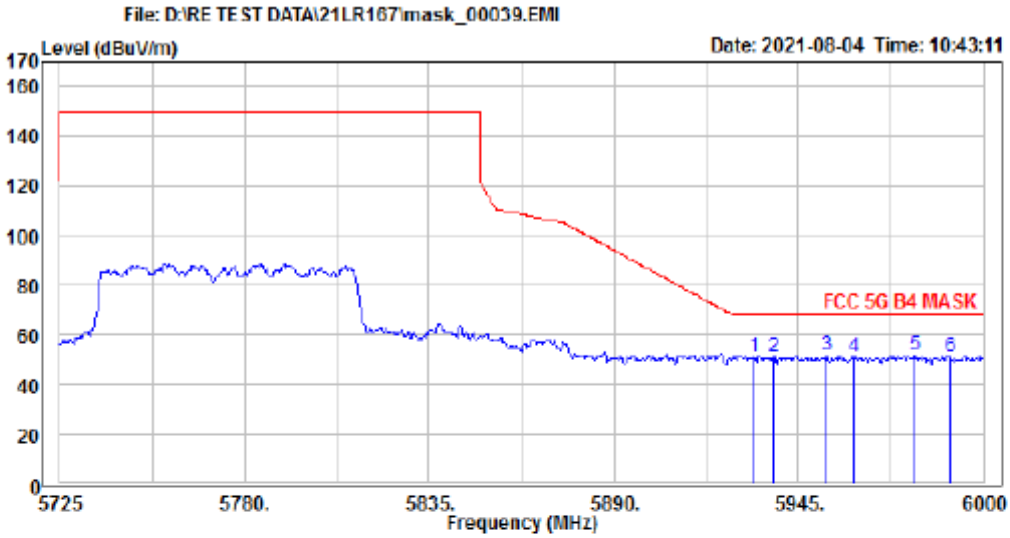
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 AC80 Mode Low CH
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5606.665	55.83	-4.62	51.21	68.20	-16.99	Vertical
2	5617.845	56.25	-4.64	51.61	68.20	-16.59	Vertical
3 PP	5623.865	57.14	-4.66	52.48	68.20	-15.72	Vertical
4	5632.250	55.75	-4.68	51.07	68.20	-17.13	Vertical
5	5640.205	55.22	-4.69	50.53	68.20	-17.67	Vertical
6	5645.365	56.11	-4.70	51.41	68.20	-16.79	Vertical



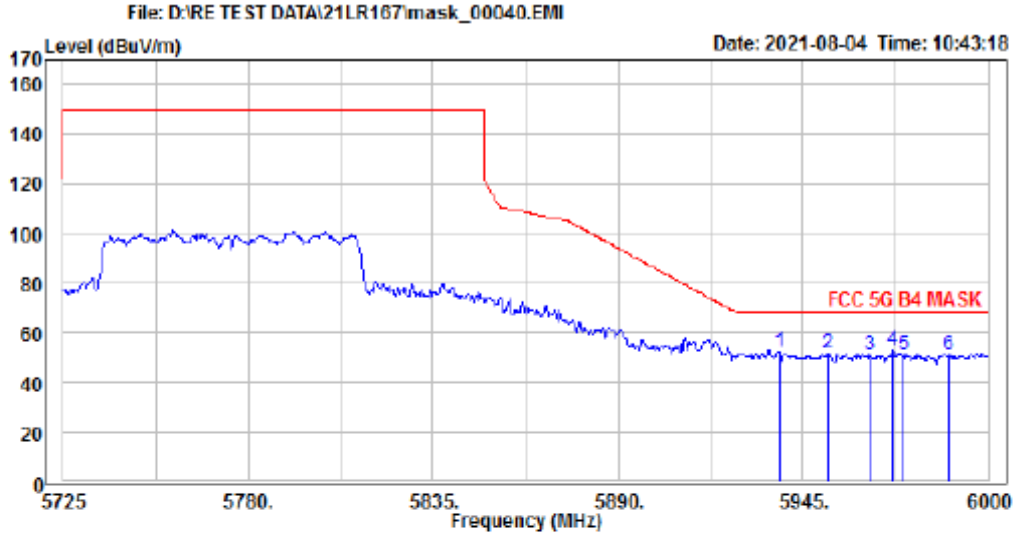
Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 AC80 Mode Low CH
Note :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	5609.245	55.88	-4.62	51.26	68.20	-16.94	Horizontal
2	5618.920	55.73	-4.65	51.08	68.20	-17.12	Horizontal
3	5629.670	56.49	-4.67	51.82	68.20	-16.38	Horizontal
4	5637.410	56.49	-4.68	51.81	68.20	-16.39	Horizontal
5	5648.420	57.15	-4.69	52.46	68.20	-15.74	Horizontal
6 PP	5648.375	58.75	-4.70	54.05	68.20	-14.15	Horizontal



Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 V 1-18G.csv Vertical
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 AC80 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	5932.075	55.24	-3.87	51.37	68.20	-16.83	Vertical
2	5937.575	55.26	-3.88	51.38	68.20	-16.82	Vertical
3	5953.525	55.55	-3.87	51.68	68.20	-16.52	Vertical
4	5961.500	55.05	-3.84	51.21	68.20	-16.99	Vertical
5 PP	5979.650	55.73	-3.77	51.96	68.20	-16.24	Vertical
6	5990.100	55.02	-3.73	51.29	68.20	-16.91	Vertical



Condition: limit\FCC\FCC 5G B4 MASK.csv 3m factor\966 3117 H 1-18G.csv Horizonta
: RBW:1000kHz VBW:3000kHz SWT:Auto DET:Positive
EUT :
Mode : 5G Mask B4 AC80 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		5937.850	55.98	-3.88	52.10	68.20	-16.10	Horizontal
2		5952.425	55.42	-3.88	51.54	68.20	-16.66	Horizontal
3		5964.800	55.01	-3.83	51.18	68.20	-17.02	Horizontal
4	PP	5971.675	56.57	-3.80	52.77	68.20	-15.43	Horizontal
5		5974.975	55.06	-3.79	51.27	68.20	-16.93	Horizontal
6		5988.450	54.97	-3.73	51.24	68.20	-16.96	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:

Compliance. This device automatically discontinue transmission in case of either absence of information to transmit or operational failure.

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:

	PIFA Antenna	Gain
1	WiFi 5G Antenna (UNII-1, UNII-3)	1.76dBi