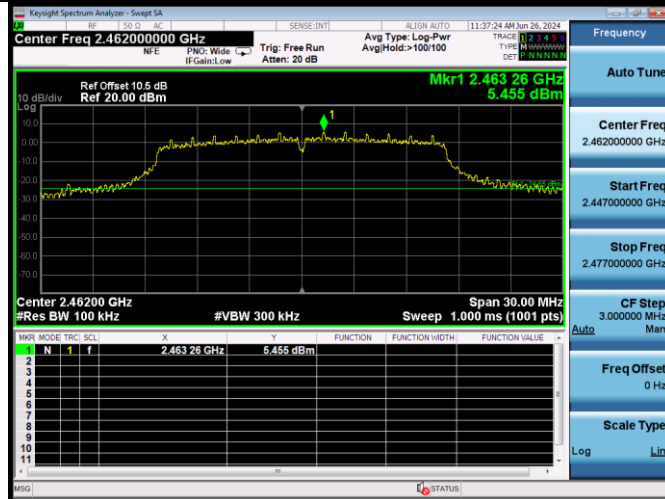


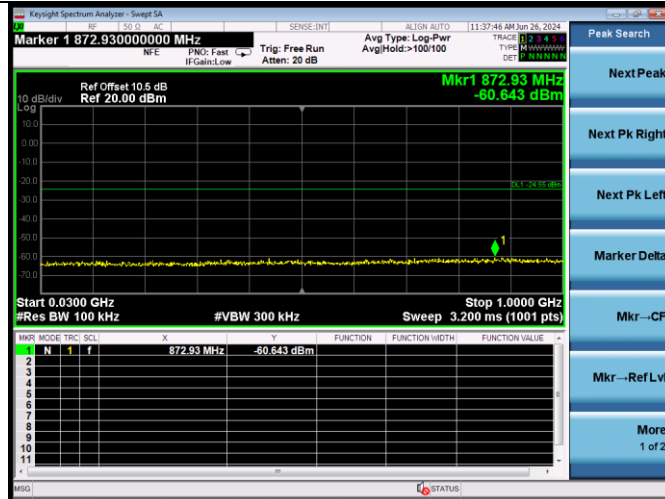
Test CH11: 2462MHz



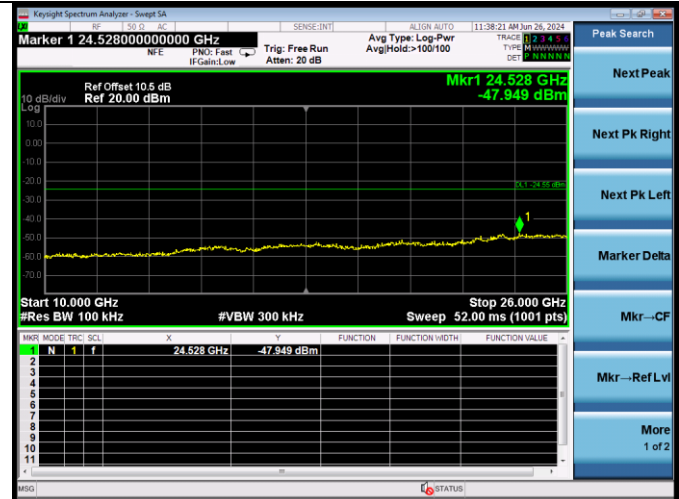
2462MHz(2.4GHz – 2.5GHz)



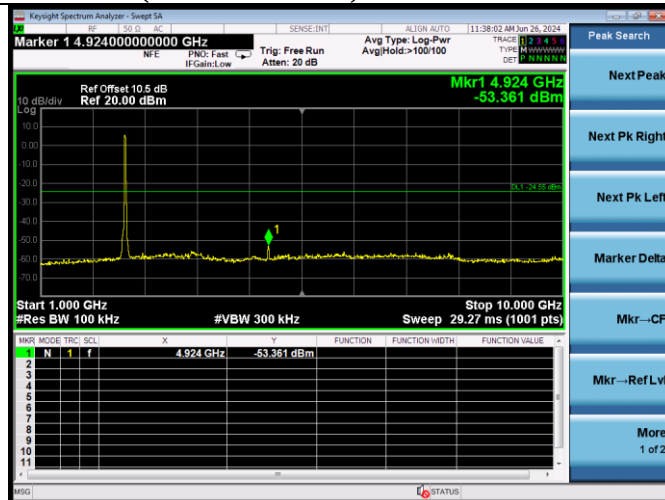
2462MHz(30MHz – 1GHz)



2462MHz(10GHz – 26GHz)



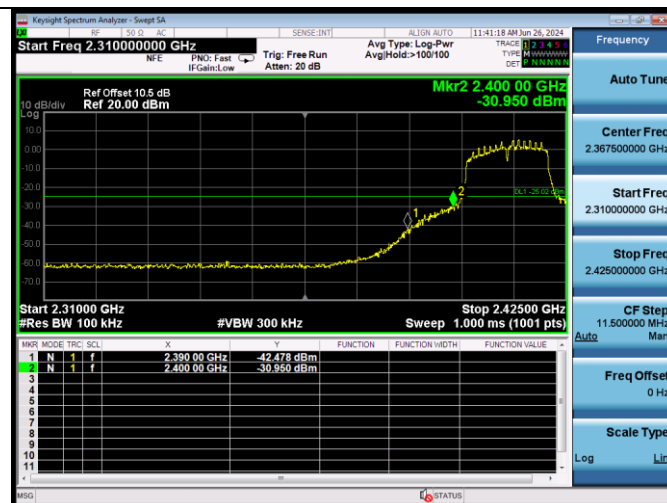
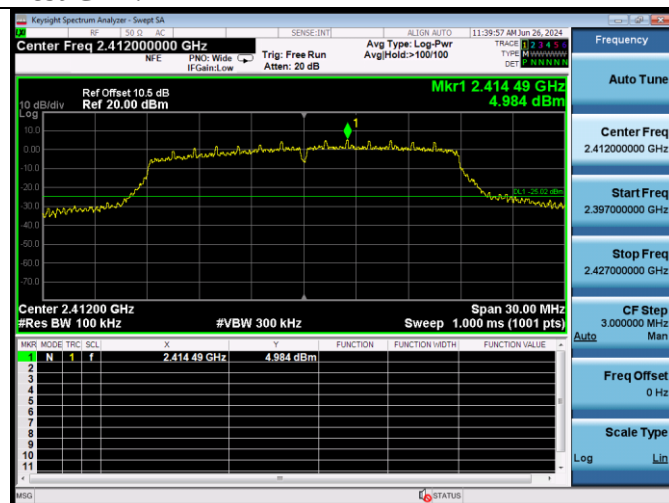
2462MHz(1GHz – 10GHz)



Test Mode: IEEE 802.11n HT20

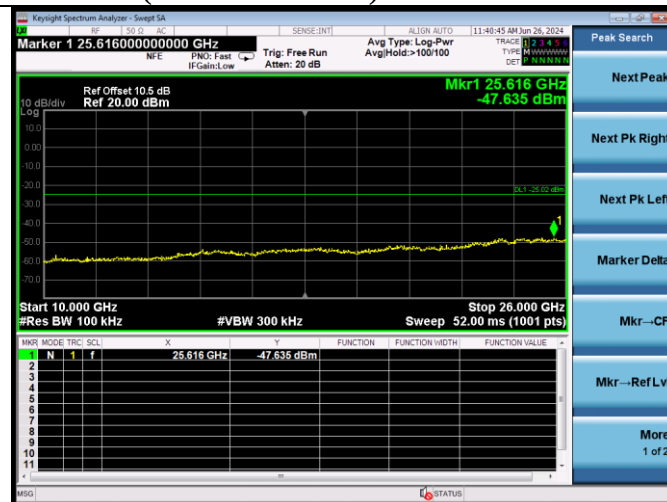
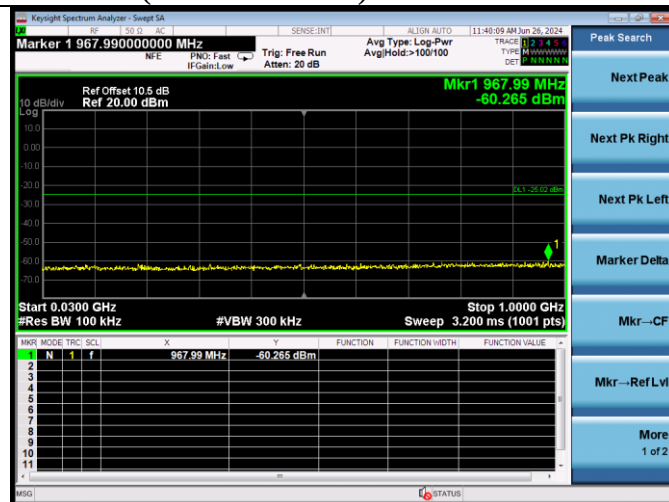
Test CH1: 2412MHz

2412MHz(2.3GHz – 2.4GHz)

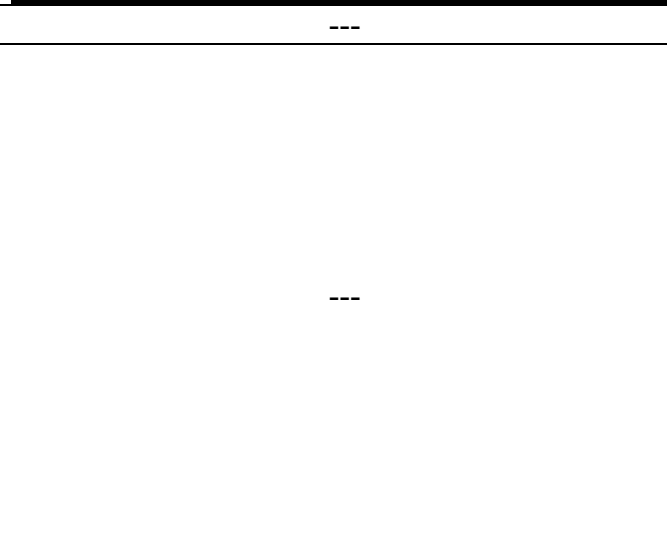
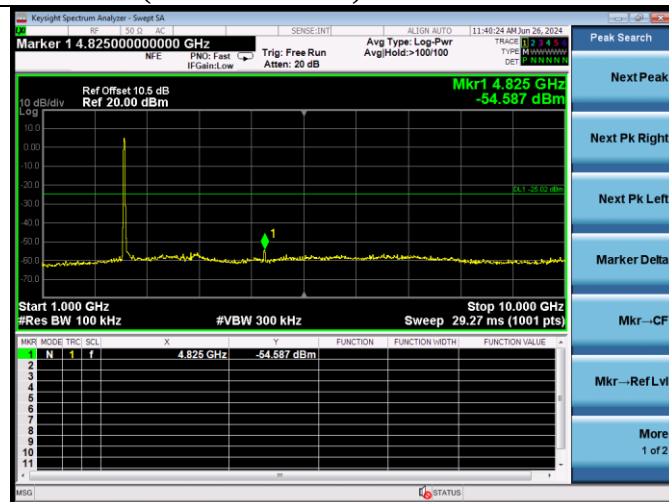


2412MHz(30MHz – 1GHz)

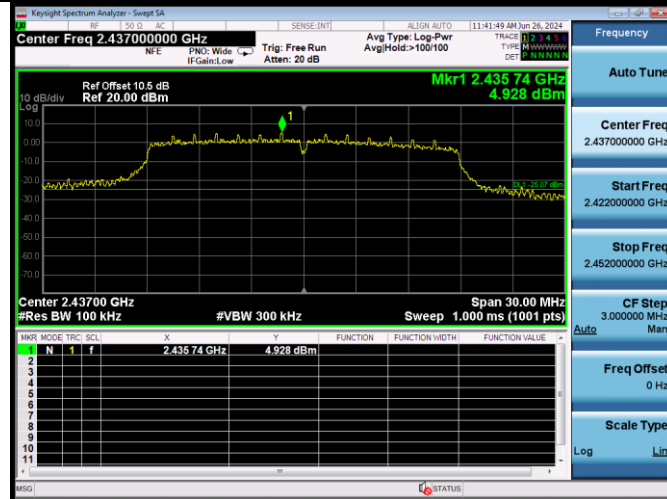
2412MHz(10GHz – 26GHz)



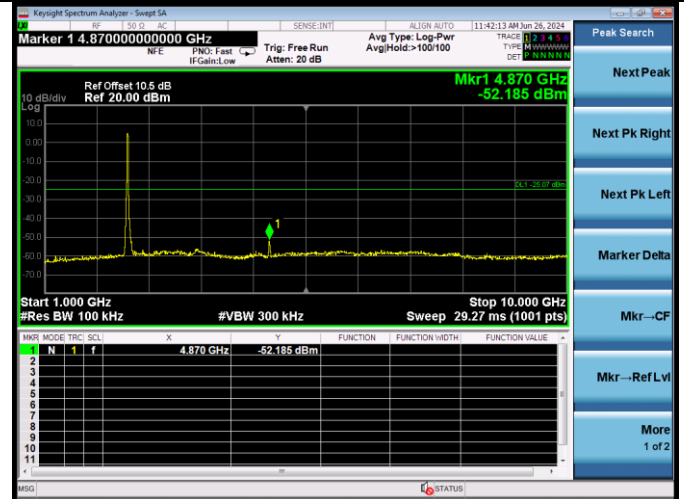
2412MHz(1GHz – 10GHz)



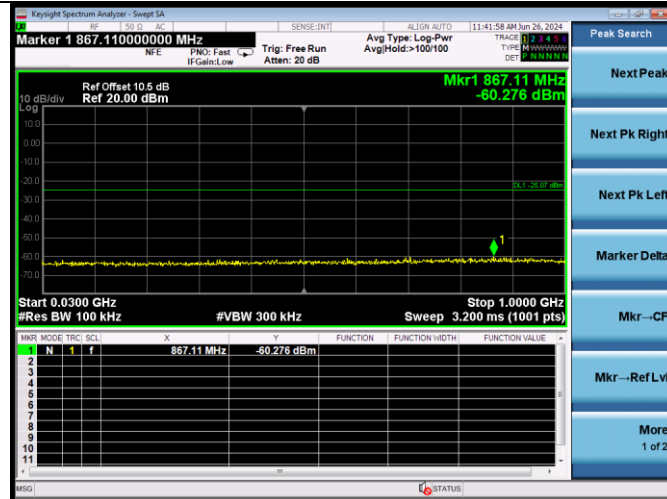
Test CH6: 2437MHz



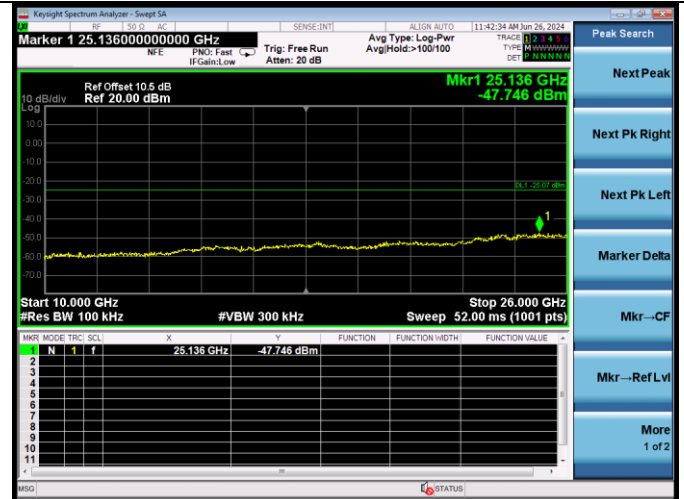
2437MHz(1GHz – 10GHz)



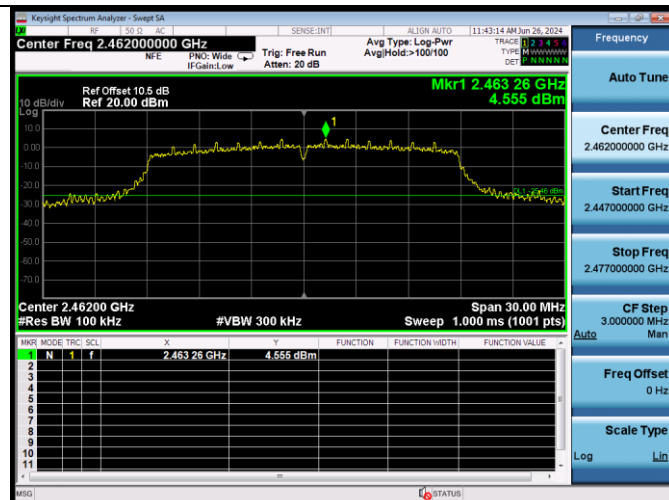
2437MHz(30MHz – 1GHz)



2437MHz(10GHz – 26GHz)



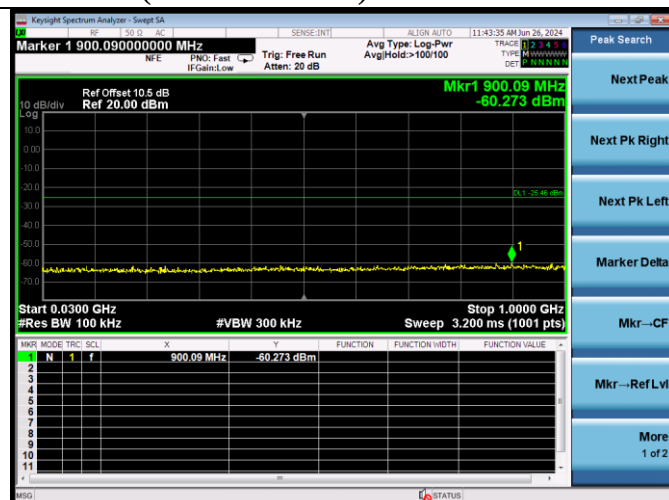
Test CH11: 2462MHz



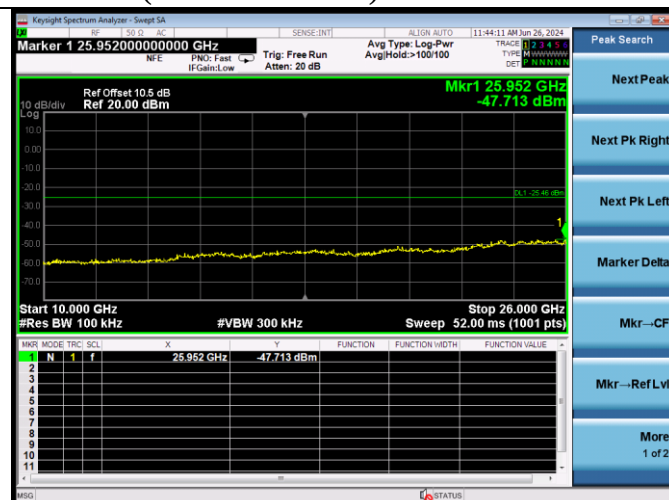
2462MHz(2.4GHz – 2.5GHz)



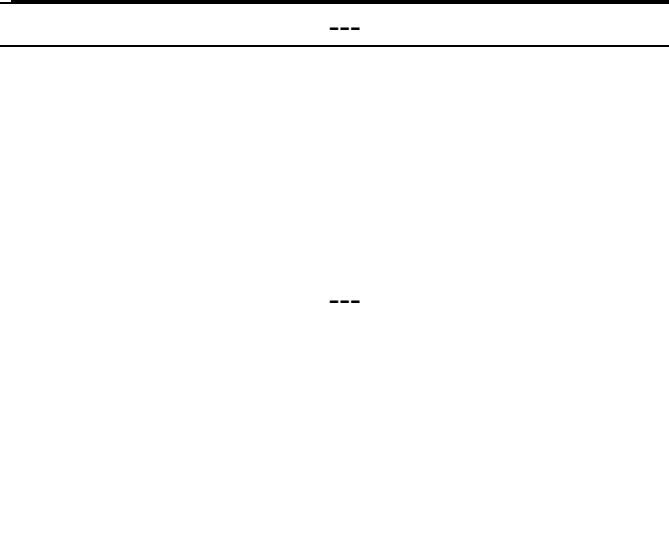
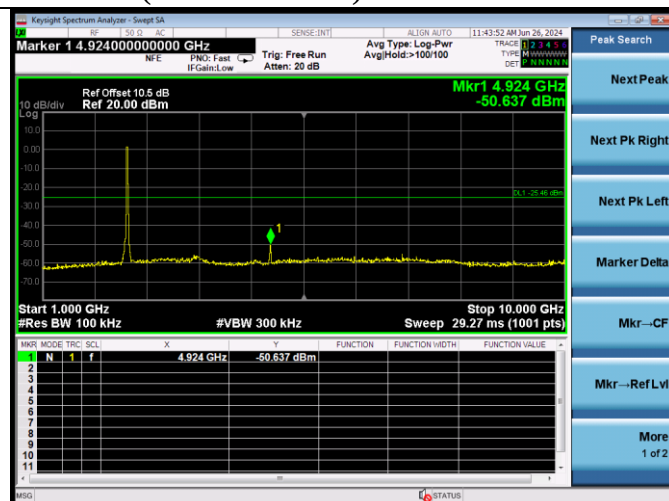
2462MHz(30MHz – 1GHz)



2462MHz(10GHz – 26GHz)

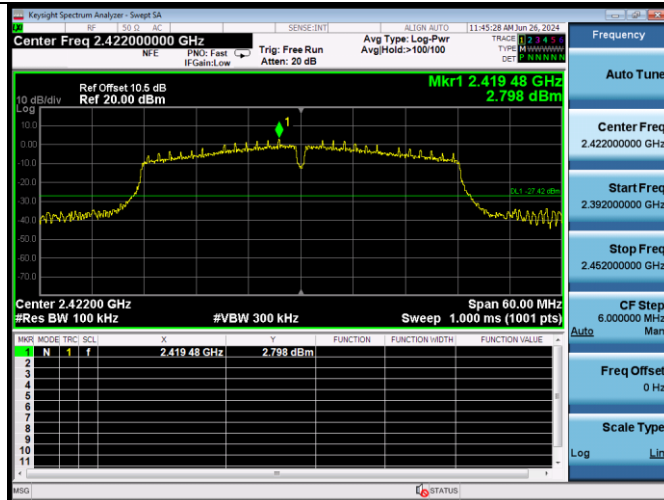


2462MHz(1GHz – 10GHz)



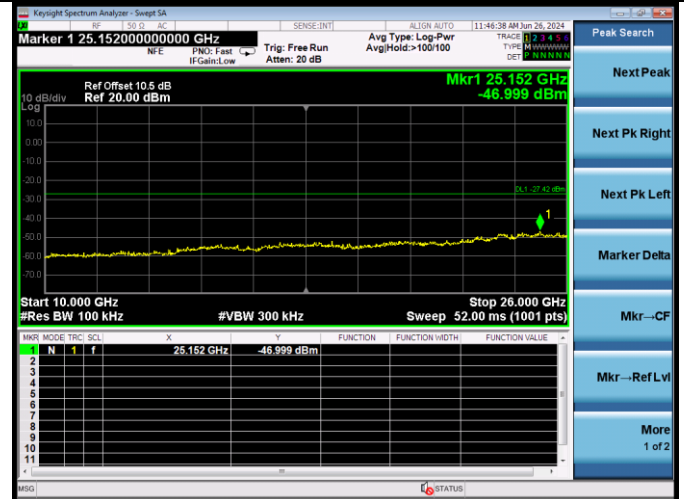
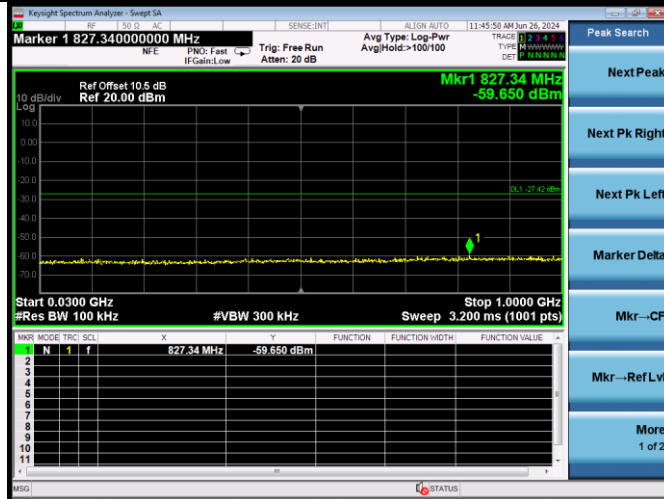
Test Mode: IEEE 802.11n HT40
Test CH3: 2422MHz

2422MHz(2.3GHz – 2.4GHz)

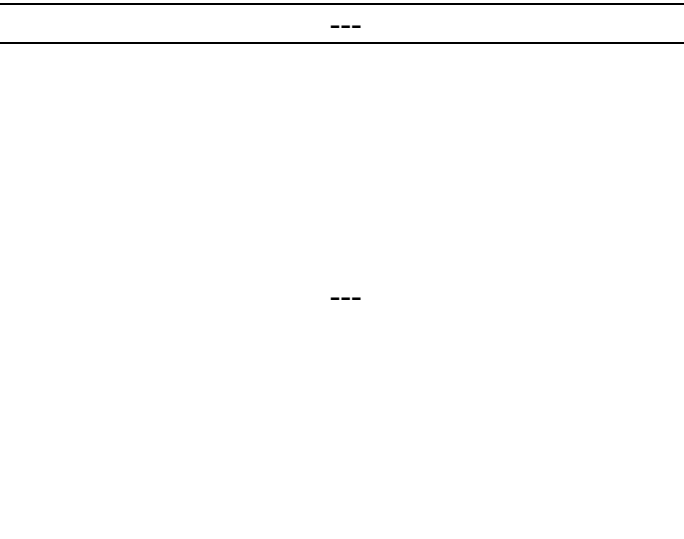
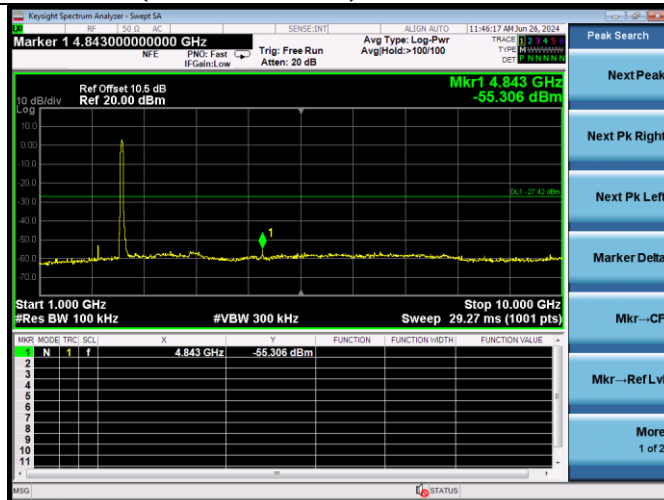


2422MHz(30MHz – 1GHz)

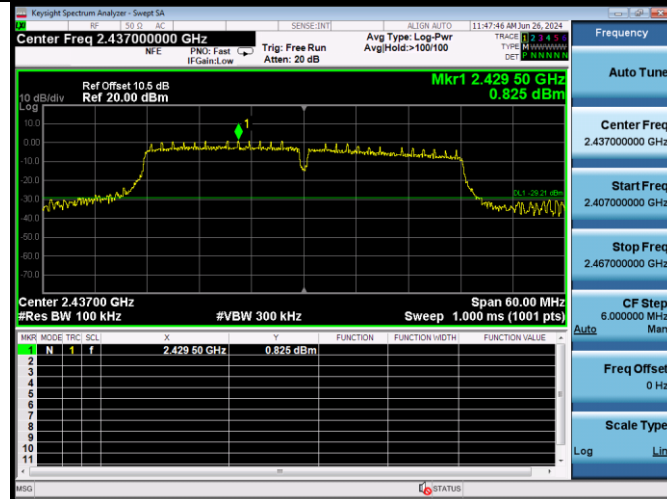
2422MHz(10GHz – 26GHz)



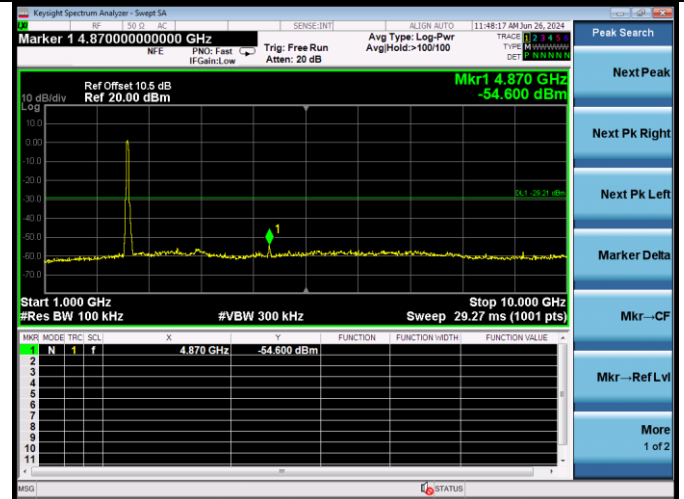
2422MHz(1GHz – 10GHz)



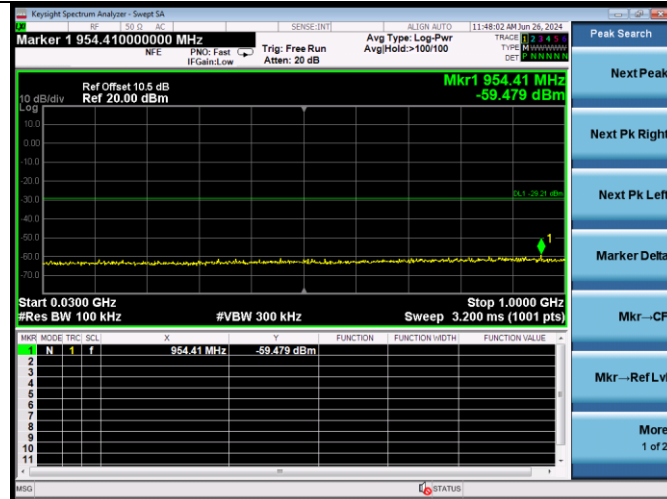
Test CH6: 2437MHz



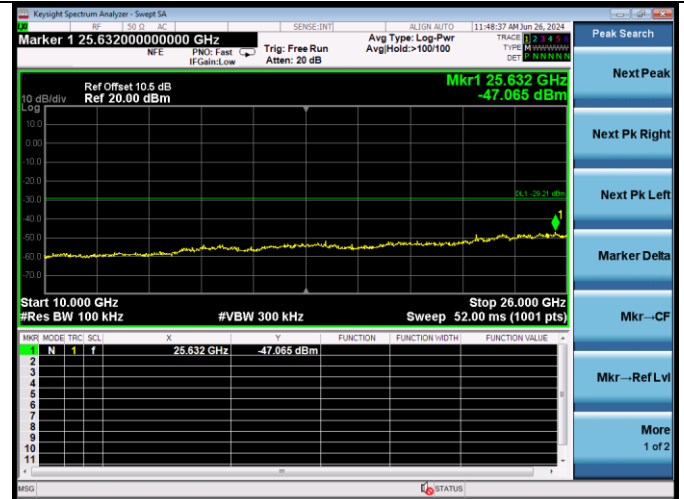
2437MHz(1GHz – 10GHz)



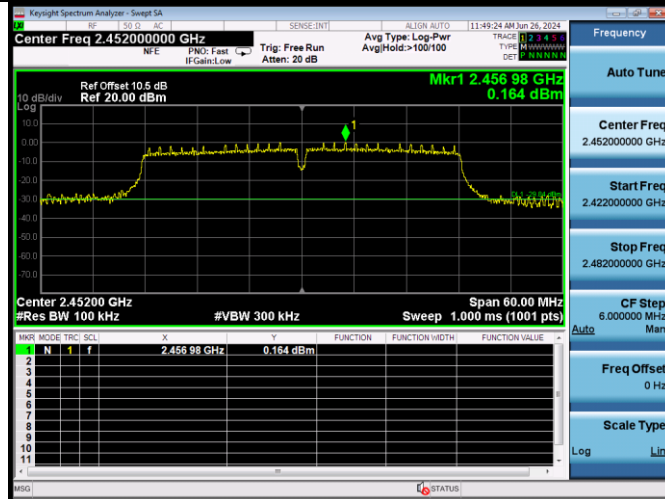
2437MHz(30MHz – 1GHz)



2437MHz(10GHz – 26GHz)



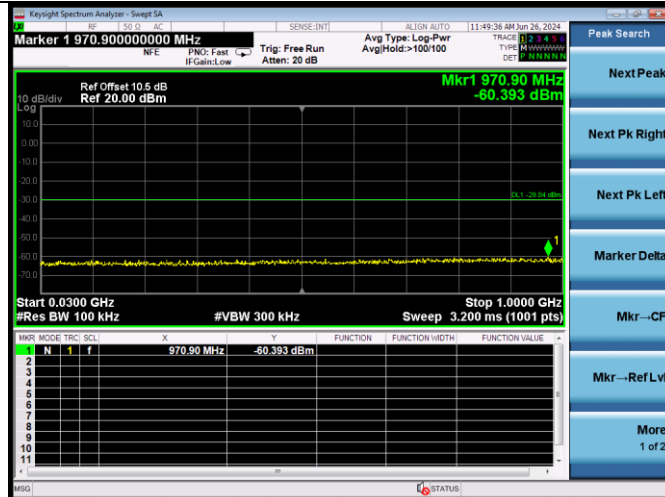
Test CH9: 2452MHz



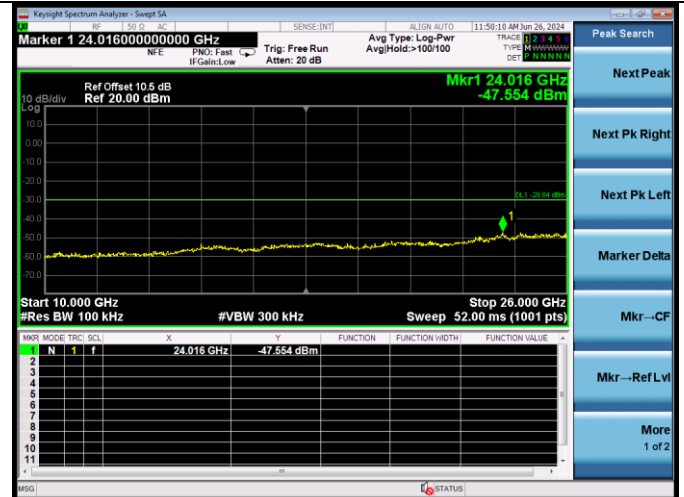
2452MHz(2.4GHz – 2.5GHz)



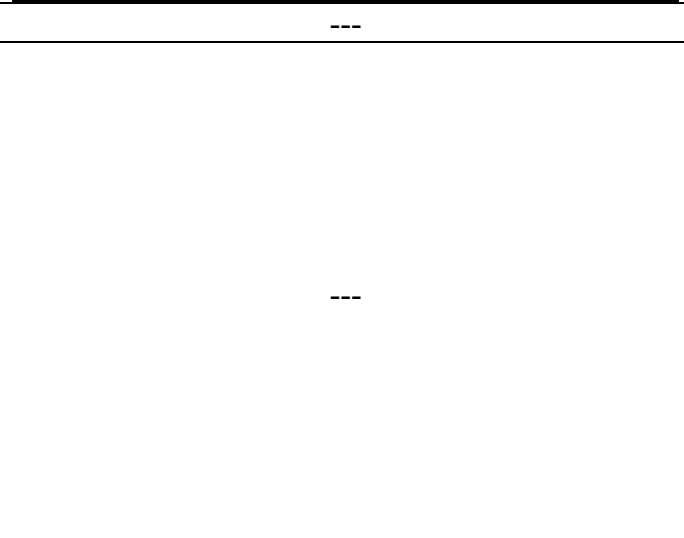
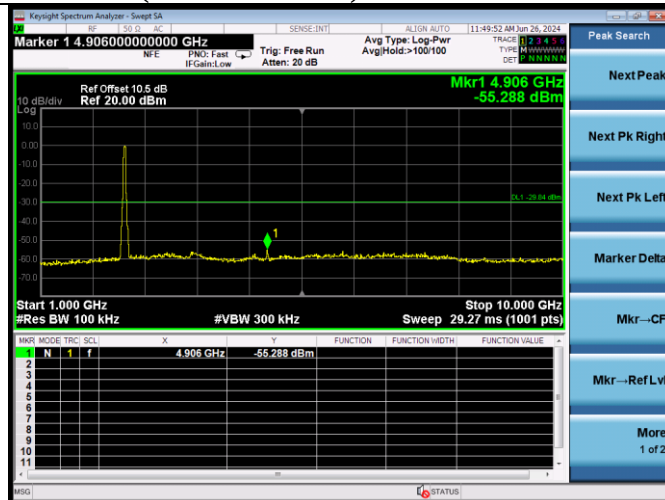
2452MHz(10GHz – 26GHz)



2452MHz(10GHz – 26GHz)



2452MHz(1GHz – 10GHz)



6. BAND EDGE COMPLIANCE TEST

6.1.Limit

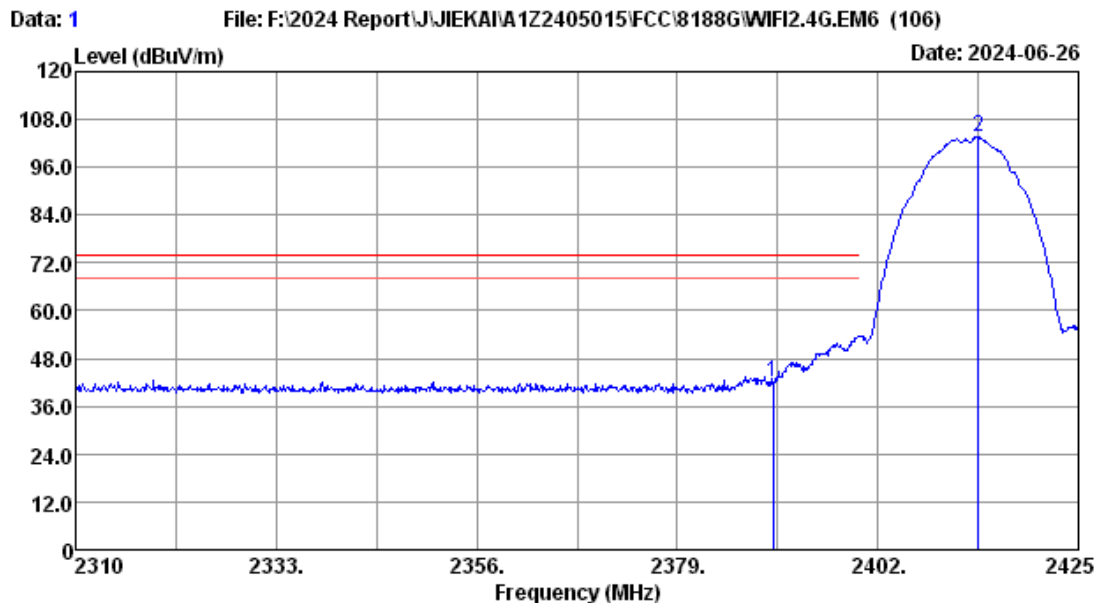
All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

6.2.Test Procedure

1. The EUT is placed on a turntable, which is 1.5m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO

6.3.Test Results

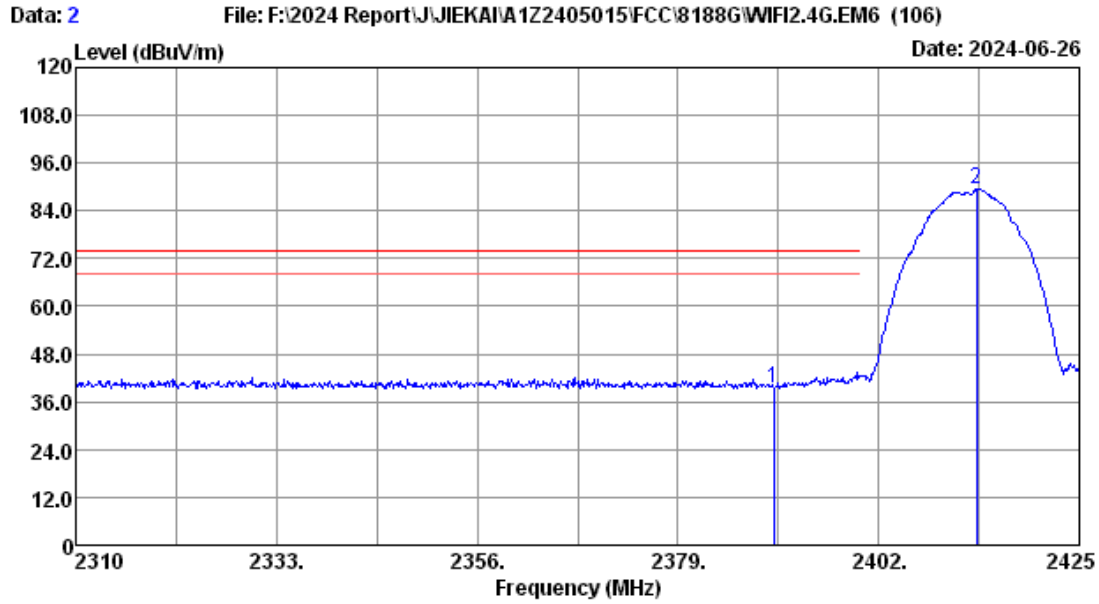
Pass (The testing data was attached in the next pages.)



Site no. : 3m Chamber Data no. : 1
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11b 2412MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	43.28	31.70	42.03	74.00	31.97	Peak
2	2413.50	27.65	2.84	104.67	31.69	103.47	-----	-----	Peak

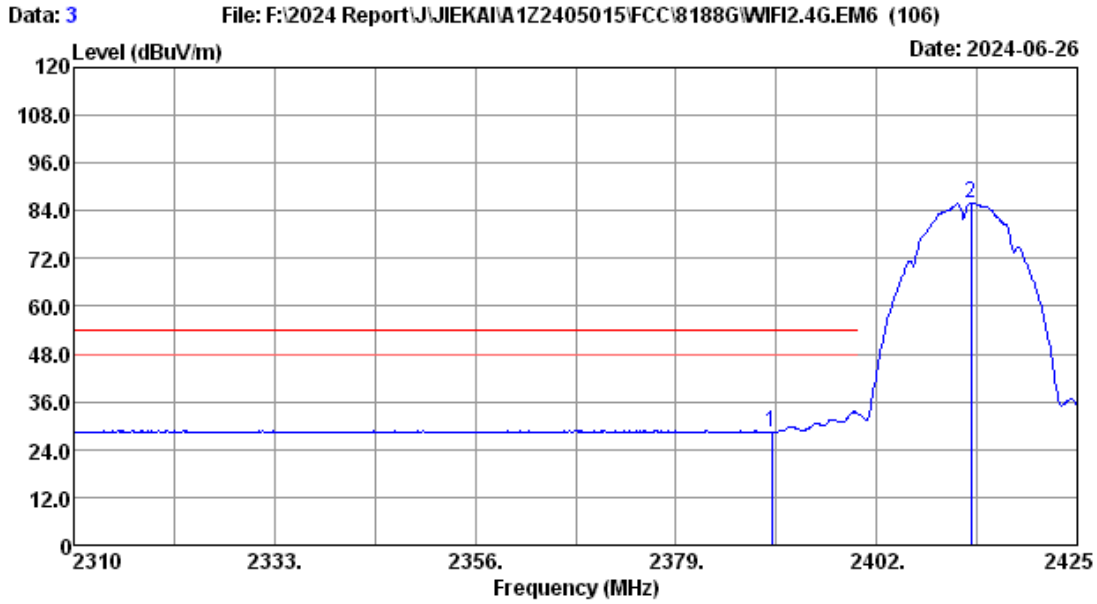
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11b 2412MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	40.88	31.70	39.63	74.00	34.37	Peak
2	2413.27	27.65	2.84	90.58	31.69	89.38	-----	-----	Peak

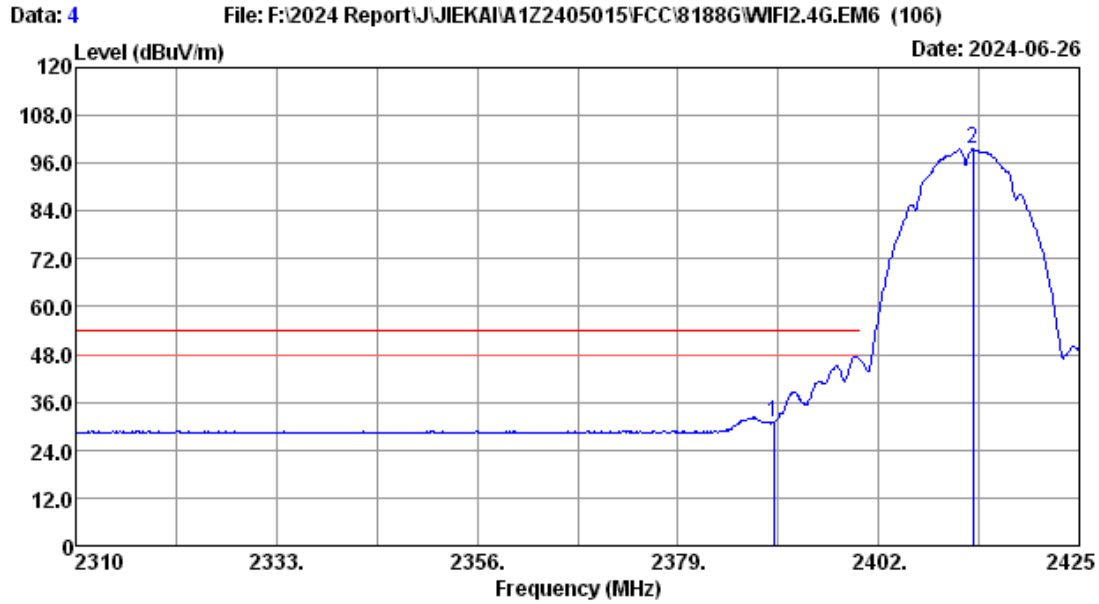
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11b 2412MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	29.69	31.70	28.44	54.00	25.56	Average
2	2412.81	27.65	2.84	87.19	31.69	85.99	-----	-----	Average

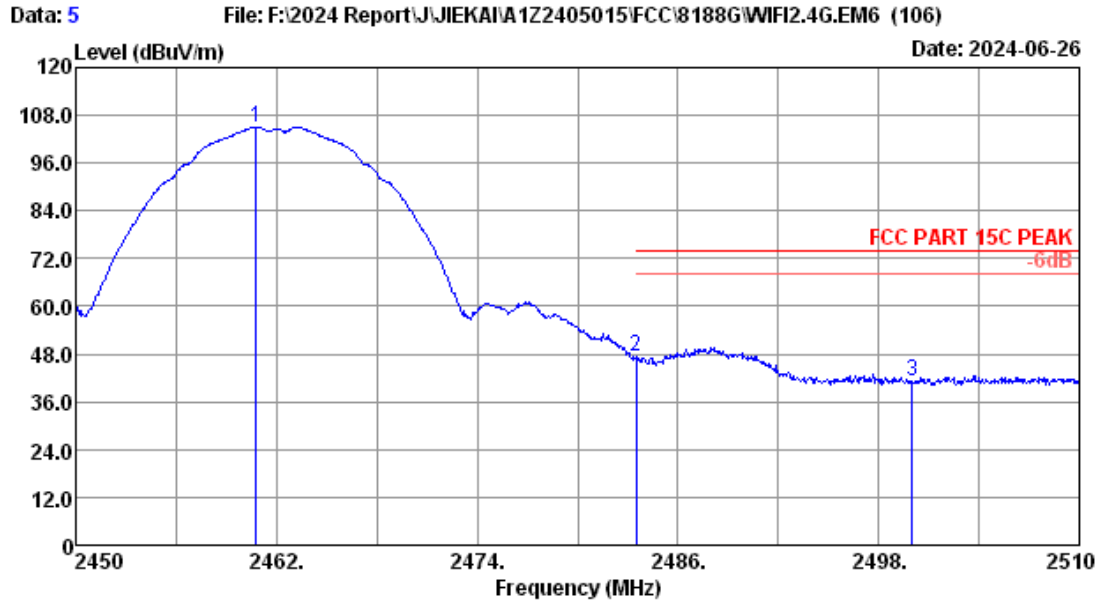
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11b 2412MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	32.42	31.70	31.17	54.00	22.83	Average
2	2412.81	27.65	2.84	100.87	31.69	99.67	-----	-----	Average

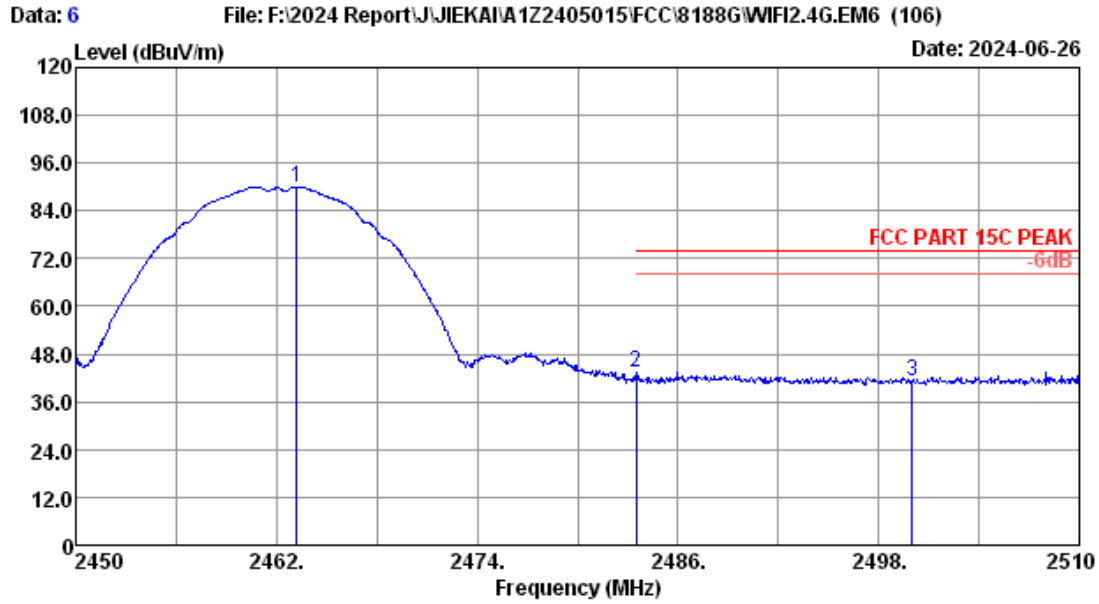
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 5
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11b 2462MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2460.80	27.80	2.87	105.92	31.67	104.92	-----	-----	Peak
2	2483.50	27.80	2.88	48.46	31.66	47.48	74.00	26.52	Peak
3	2500.00	27.80	2.88	42.04	31.65	41.07	74.00	32.93	Peak

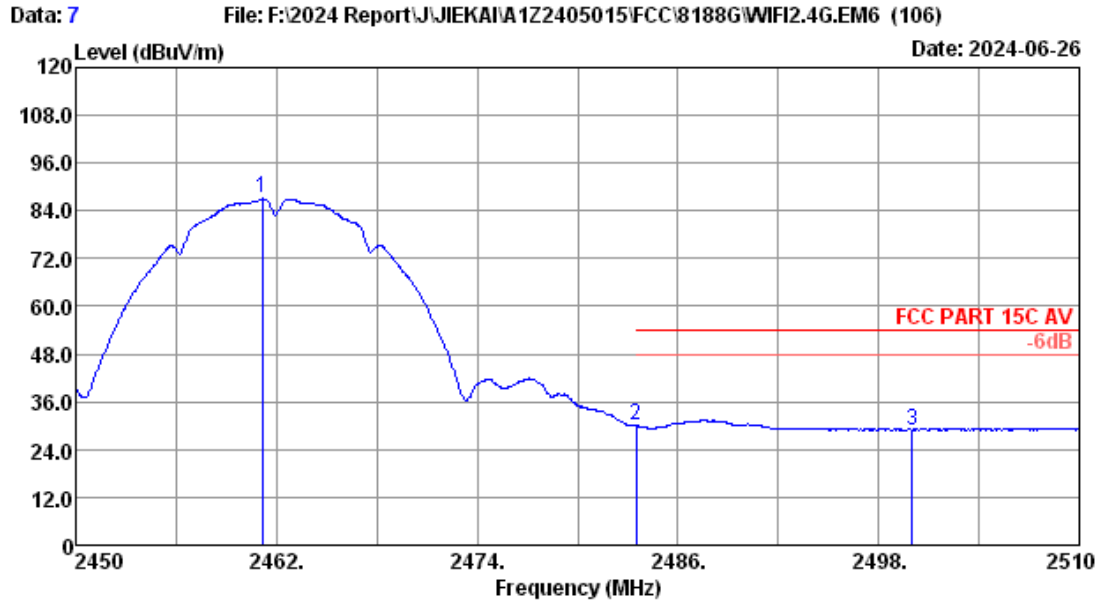
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11b 2462MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.20	27.80	2.87	91.08	31.67	90.08	-----	-----	Peak
2	2483.50	27.80	2.88	44.47	31.66	43.49	74.00	30.51	Peak
3	2500.00	27.80	2.88	42.27	31.65	41.30	74.00	32.70	Peak

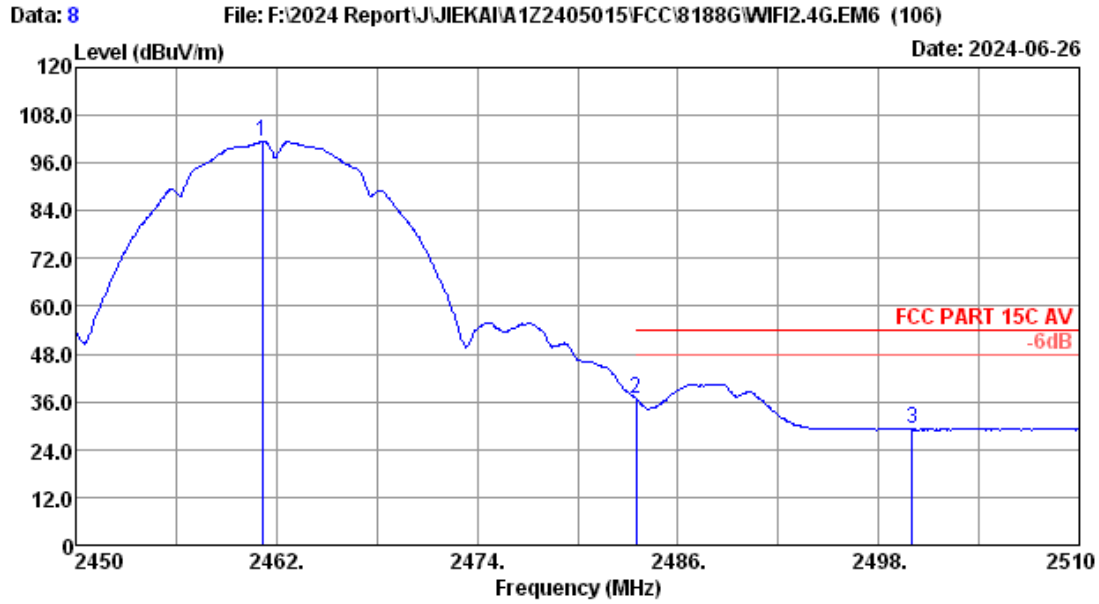
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 7
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11b 2462MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.16	27.80	2.87	88.02	31.67	87.02	-----	-----	Average
2	2483.50	27.80	2.88	30.91	31.66	29.93	54.00	24.07	Average
3	2500.00	27.80	2.88	29.97	31.65	29.00	54.00	25.00	Average

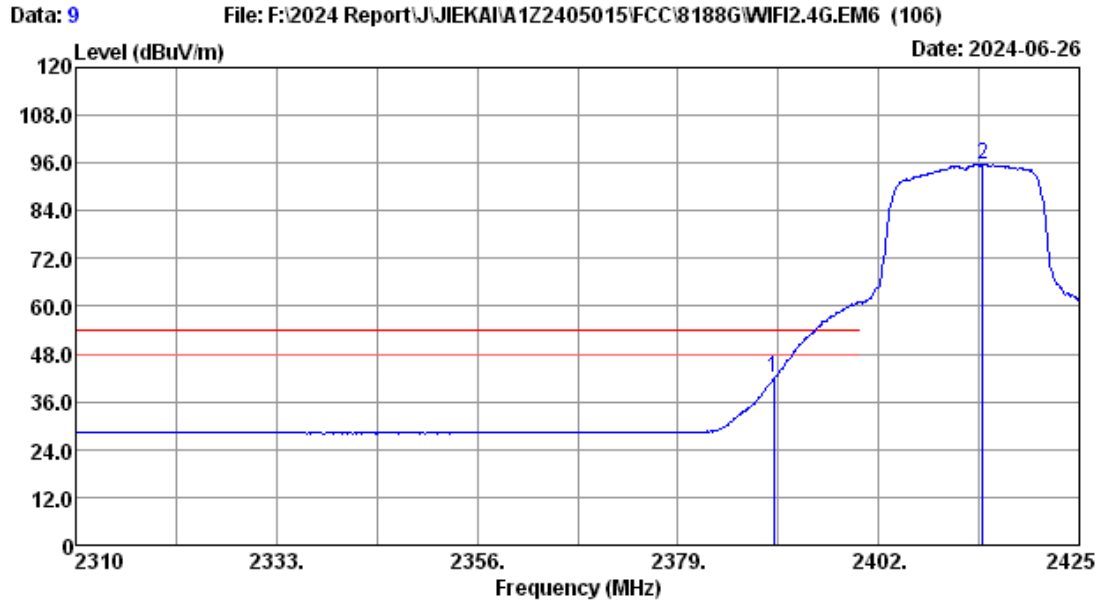
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 8
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11b 2462MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.16	27.80	2.87	102.51	31.67	101.51	-----	-----	Average
2	2483.50	27.80	2.88	37.90	31.66	36.92	54.00	17.08	Average
3	2500.00	27.80	2.88	30.13	31.65	29.16	54.00	24.84	Average

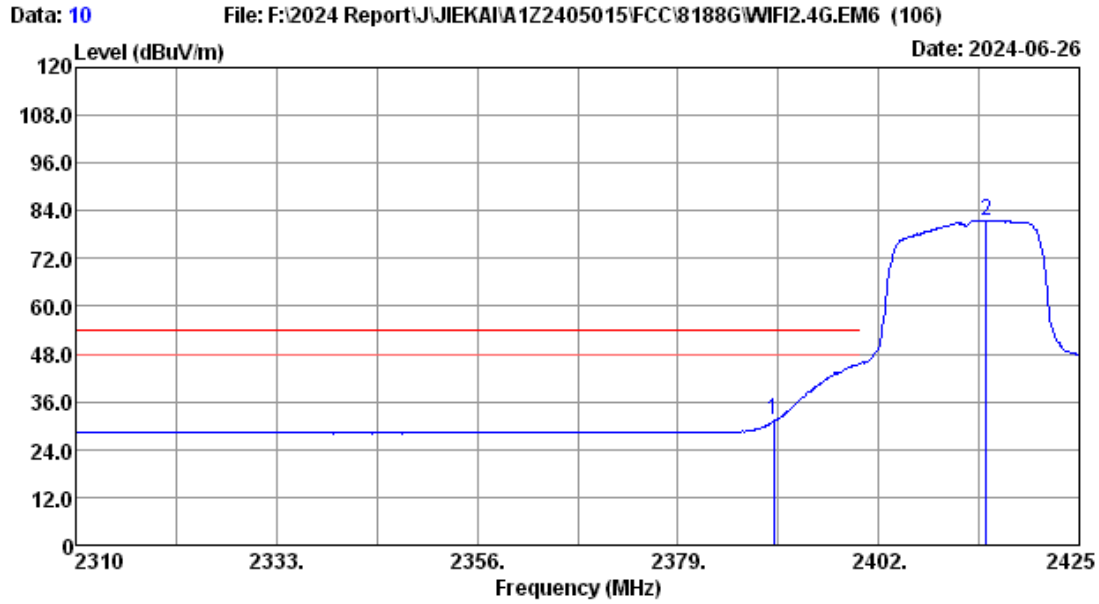
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 9
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11g 2412MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	43.10	31.70	41.85	54.00	12.15	Average
2	2413.96	27.66	2.84	97.02	31.69	95.83	-----	-----	Average

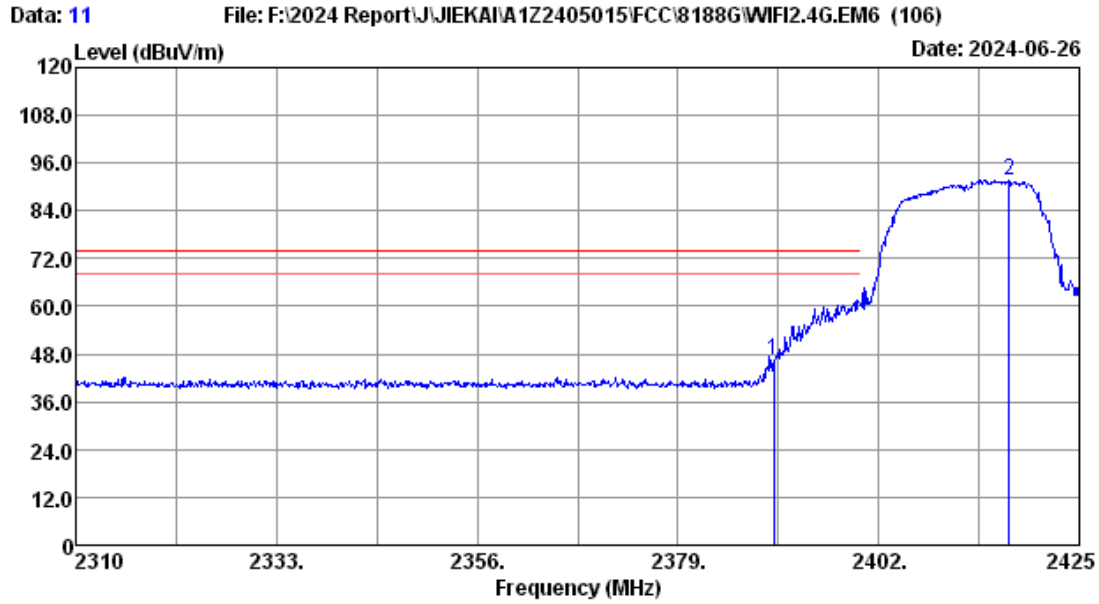
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 10
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11g 2412MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	32.50	31.70	31.25	54.00	22.75	Average
2	2414.31	27.66	2.84	82.87	31.69	81.68	-----	-----	Average

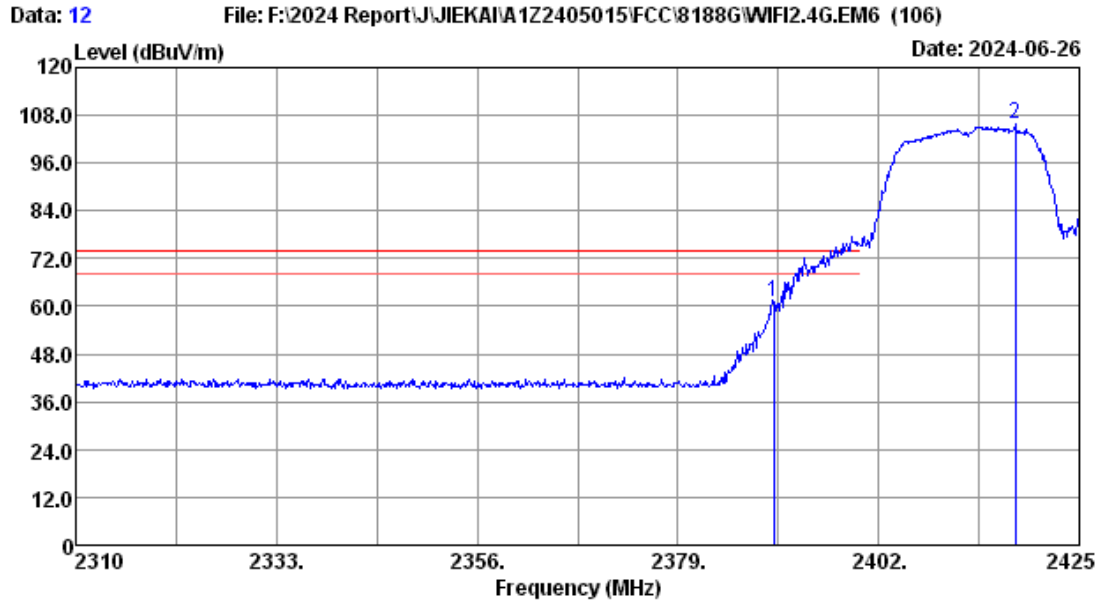
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 11
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11g 2412MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	47.85	31.70	46.60	74.00	27.40	Peak
2	2416.95	27.67	2.85	93.01	31.69	91.84	-----	-----	Peak

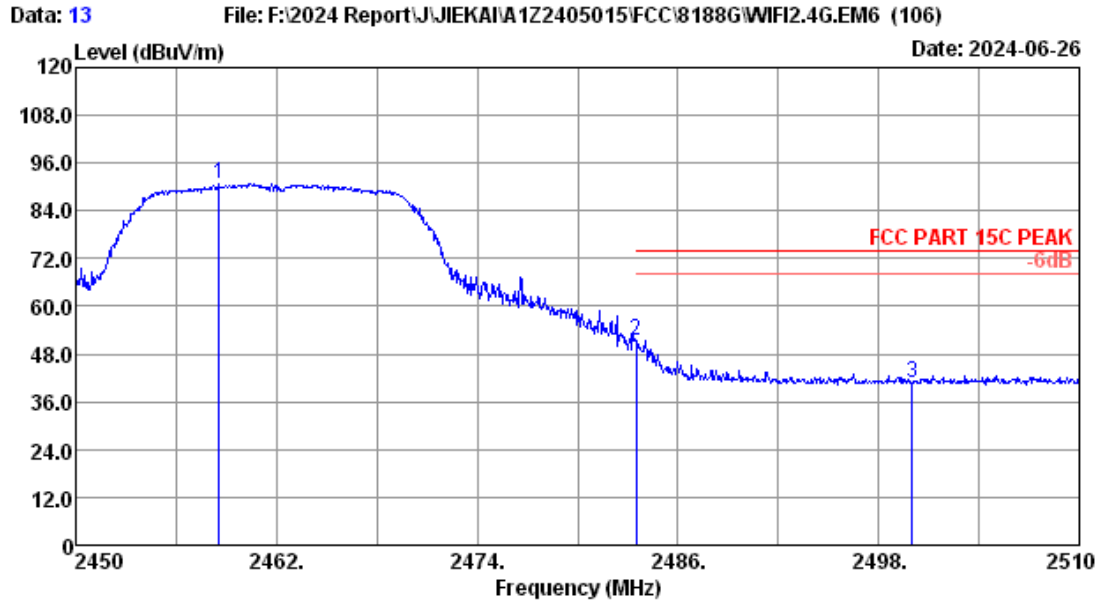
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11g 2412MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	62.32	31.70	61.07	74.00	12.93	Peak
2	2417.64	27.67	2.85	106.92	31.69	105.75	-----	-----	Peak

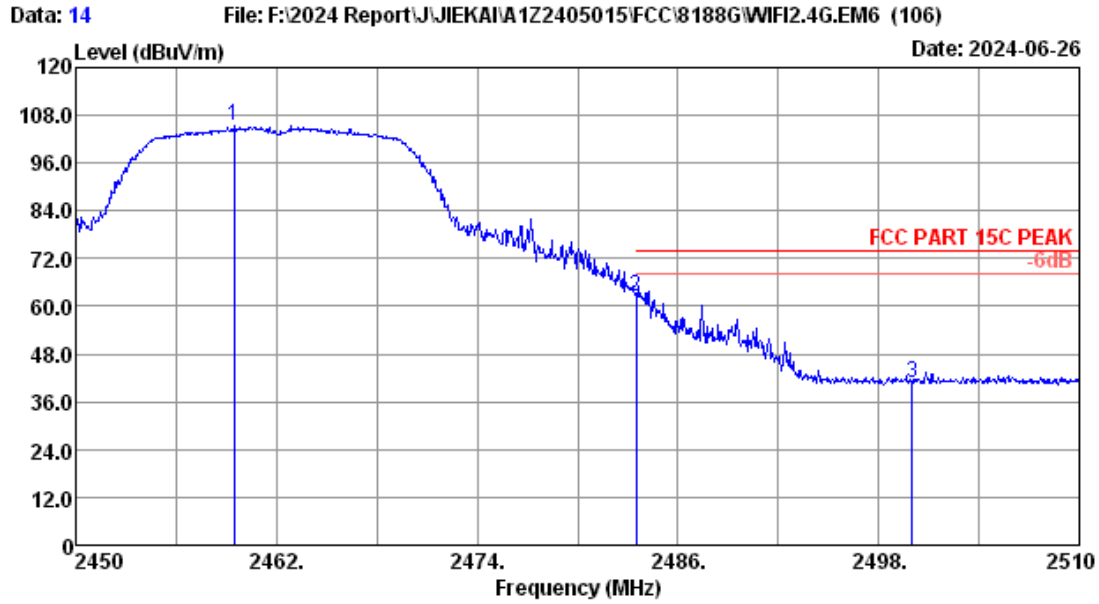
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 13
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11g 2462MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2458.58	27.80	2.87	91.66	31.67	90.66	-----	-----	Peak
2	2483.50	27.80	2.88	52.49	31.66	51.51	74.00	22.49	Peak
3	2500.00	27.80	2.88	41.74	31.65	40.77	74.00	33.23	Peak

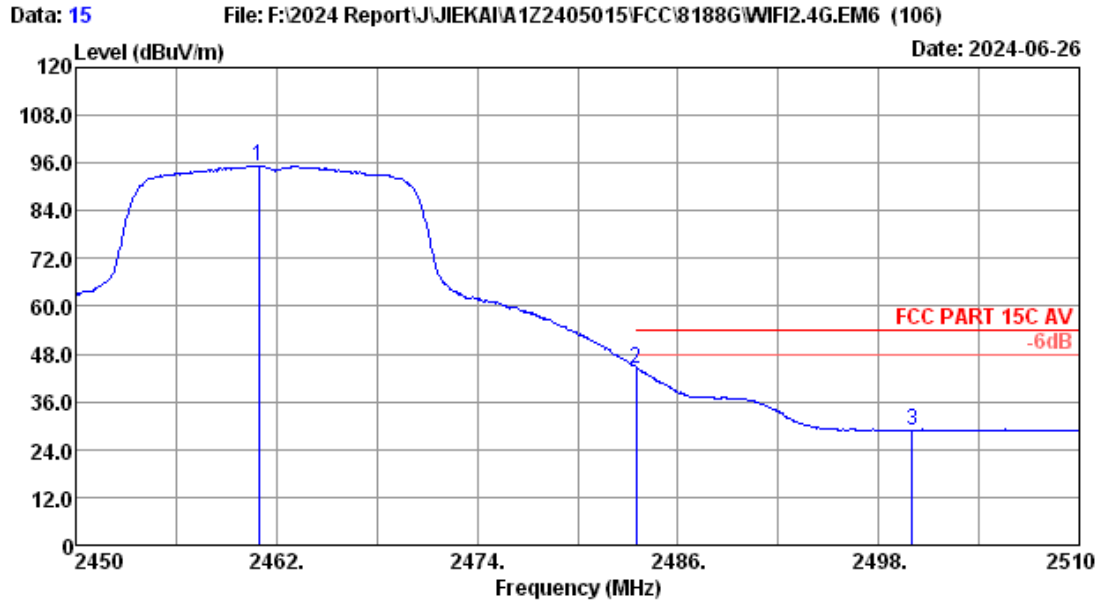
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11g 2462MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.48	27.80	2.87	106.54	31.67	105.54	-----	-----	Peak
2	2483.50	27.80	2.88	63.62	31.66	62.64	74.00	11.36	Peak
3	2500.00	27.80	2.88	41.93	31.65	40.96	74.00	33.04	Peak

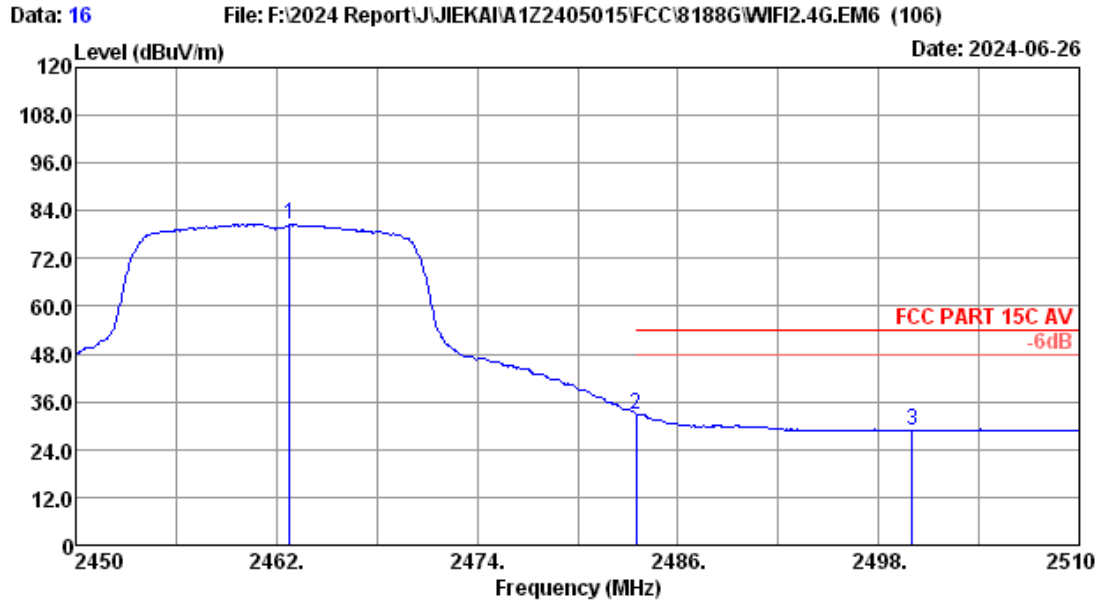
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 15
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11g 2462MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2460.92	27.80	2.87	96.41	31.67	95.41	-----	-----	Average
2	2483.50	27.80	2.88	45.39	31.66	44.41	54.00	9.59	Average
3	2500.00	27.80	2.88	29.85	31.65	28.88	54.00	25.12	Average

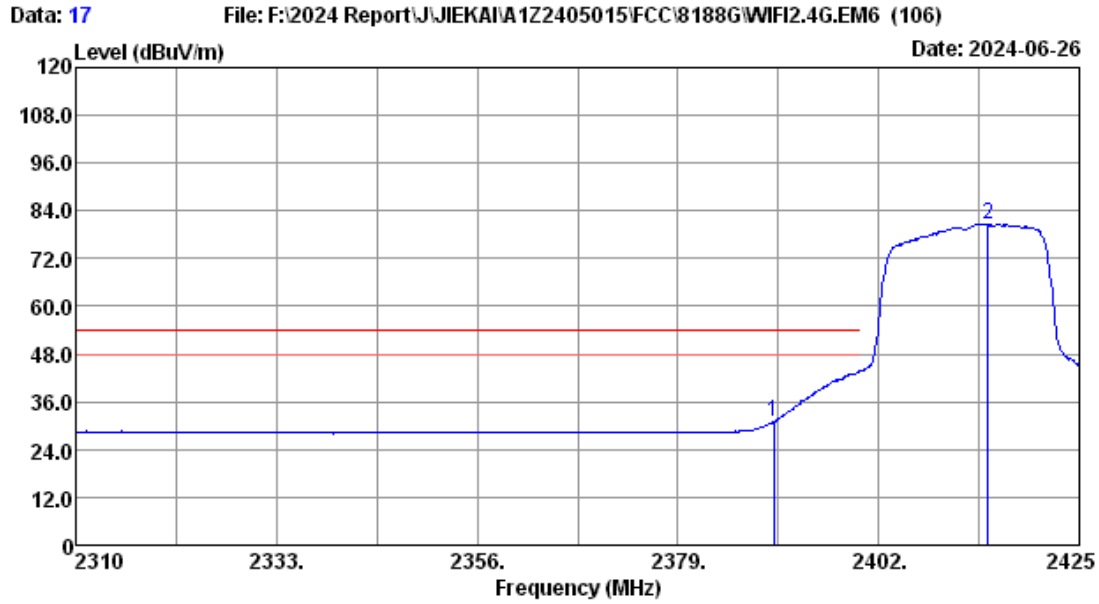
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11g 2462MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.78	27.80	2.87	81.66	31.67	80.66	-----	-----	Average
2	2483.50	27.80	2.88	33.89	31.66	32.91	54.00	21.09	Average
3	2500.00	27.80	2.88	29.81	31.65	28.84	54.00	25.16	Average

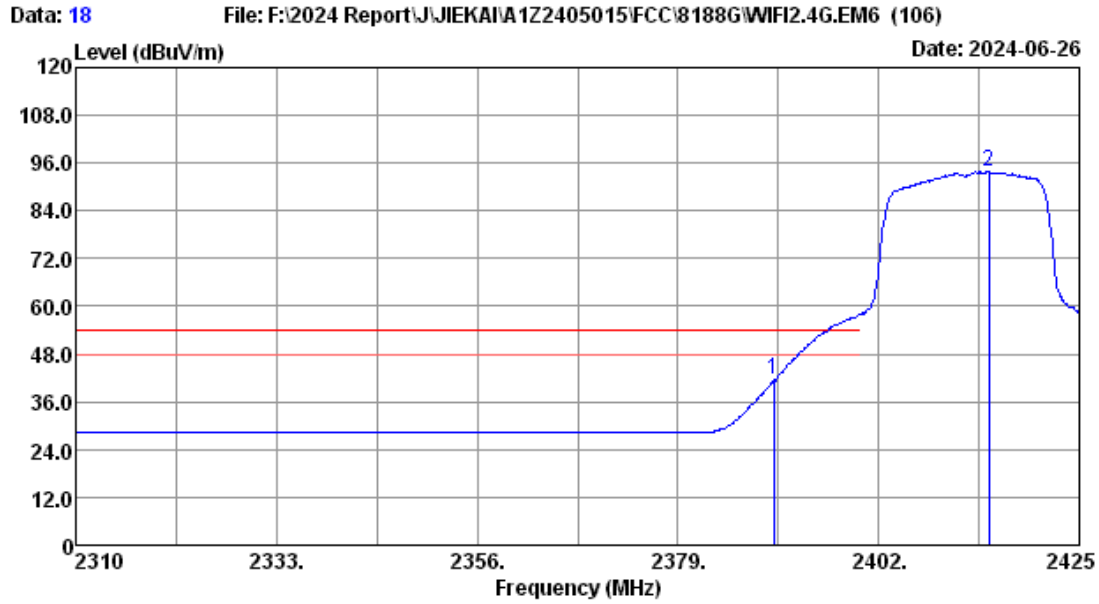
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 17
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n20 2412MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	32.18	31.70	30.93	54.00	23.07	Average
2	2414.54	27.66	2.84	81.91	31.69	80.72	-----	-----	Average

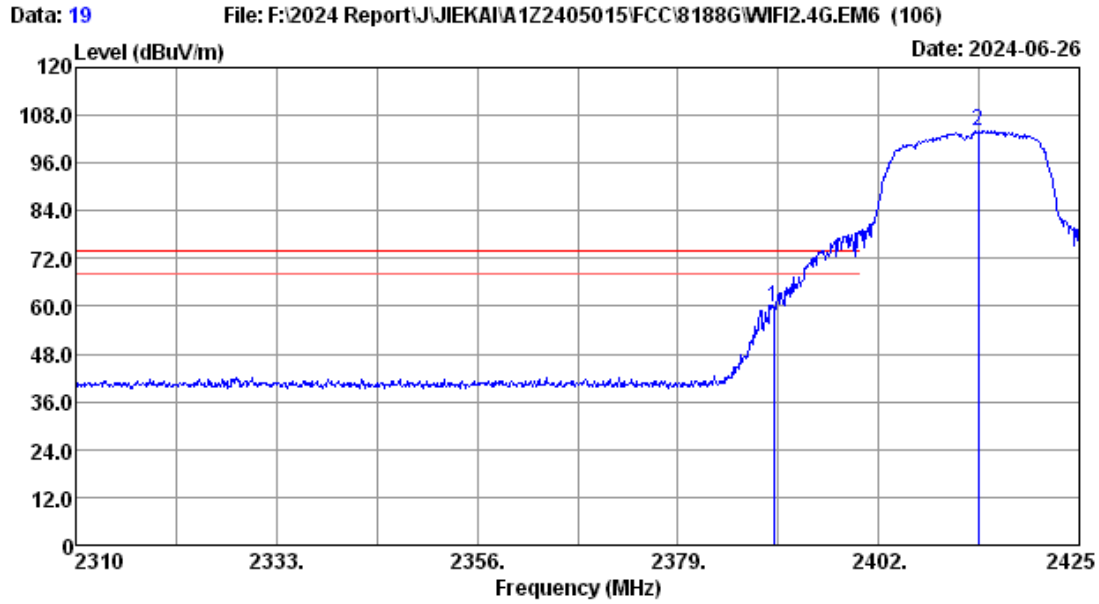
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n20 2412MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	42.71	31.70	41.46	54.00	12.54	Average
2	2414.65	27.66	2.84	94.97	31.69	93.78	-----	-----	Average

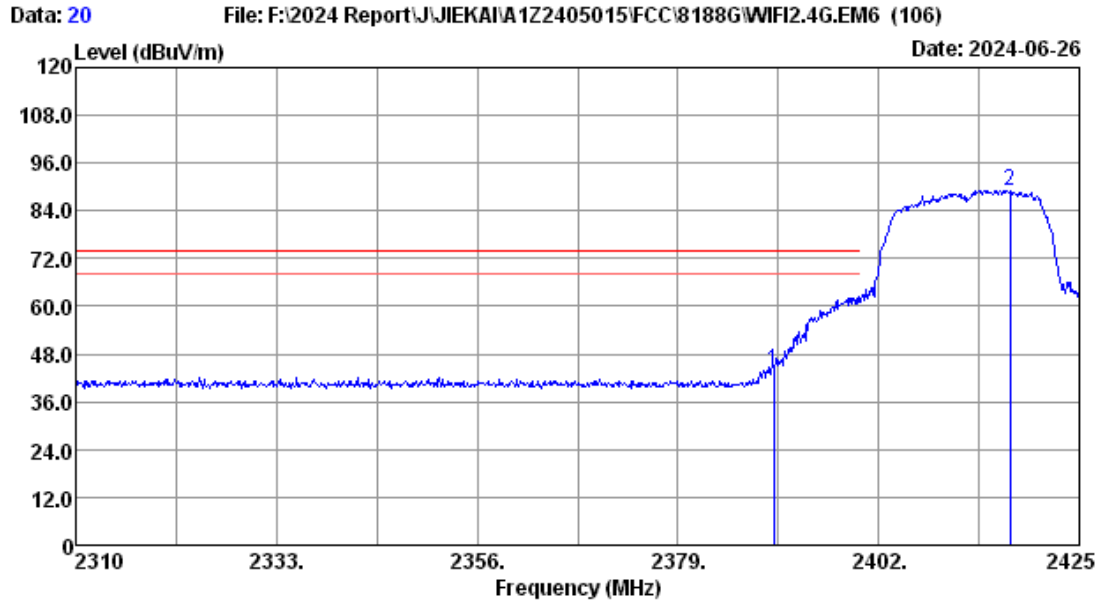
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 19
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n20 2412MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	60.93	31.70	59.68	74.00	14.32	Peak
2	2413.39	27.65	2.84	105.17	31.69	103.97	-----	-----	Peak

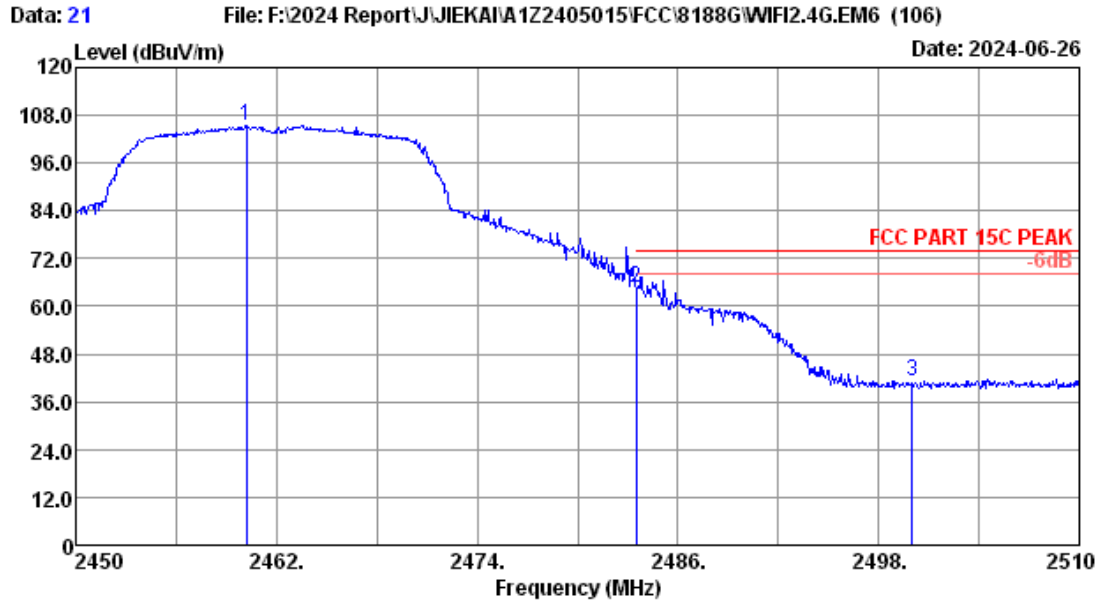
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n20 2412MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	45.21	31.70	43.96	74.00	30.04	Peak
2	2417.07	27.67	2.85	90.35	31.69	89.18	-----	-----	Peak

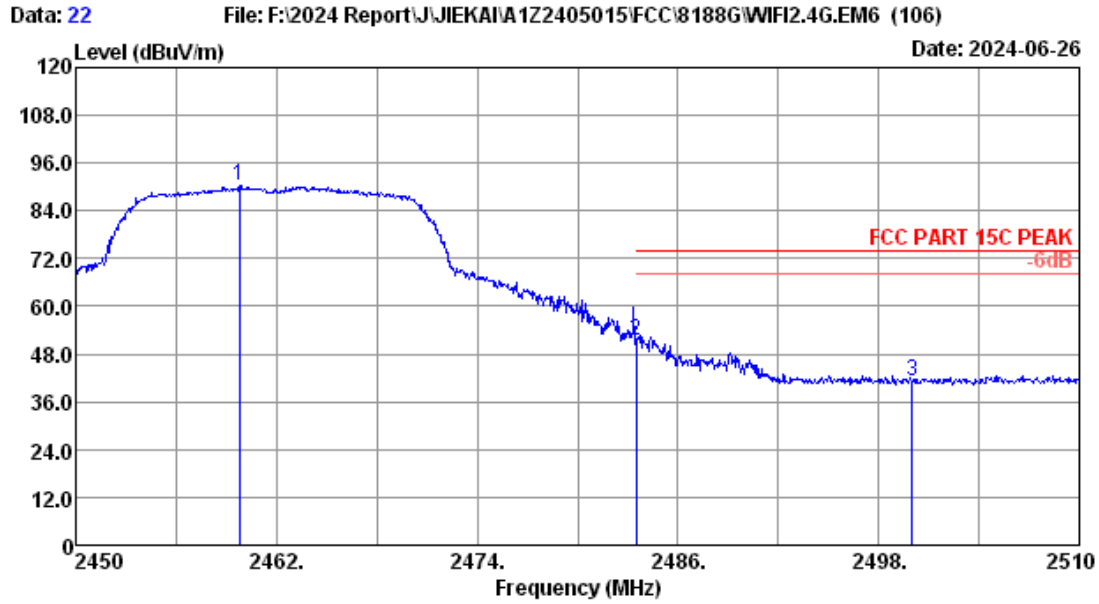
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 21
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n20 2462MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2460.20	27.80	2.87	106.36	31.67	105.36	-----	-----	Peak
2	2483.50	27.80	2.88	65.80	31.66	64.82	74.00	9.18	Peak
3	2500.00	27.80	2.88	41.99	31.65	41.02	74.00	32.98	Peak

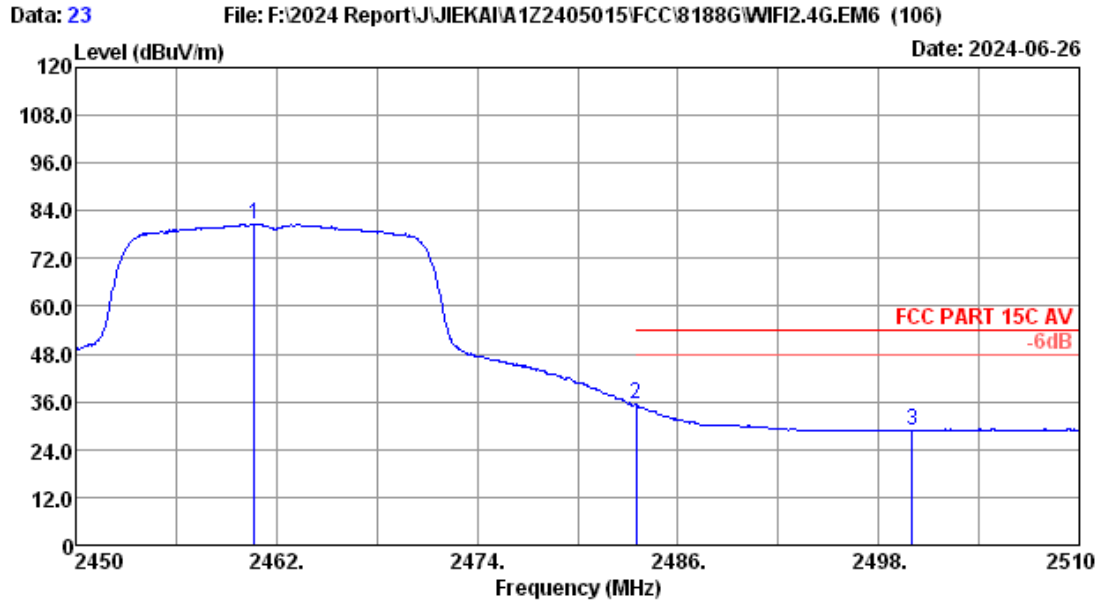
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n20 2462MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.78	27.80	2.87	91.22	31.67	90.22	-----	-----	Peak
2	2483.50	27.80	2.88	52.44	31.66	51.46	74.00	22.54	Peak
3	2500.00	27.80	2.88	42.16	31.65	41.19	74.00	32.81	Peak

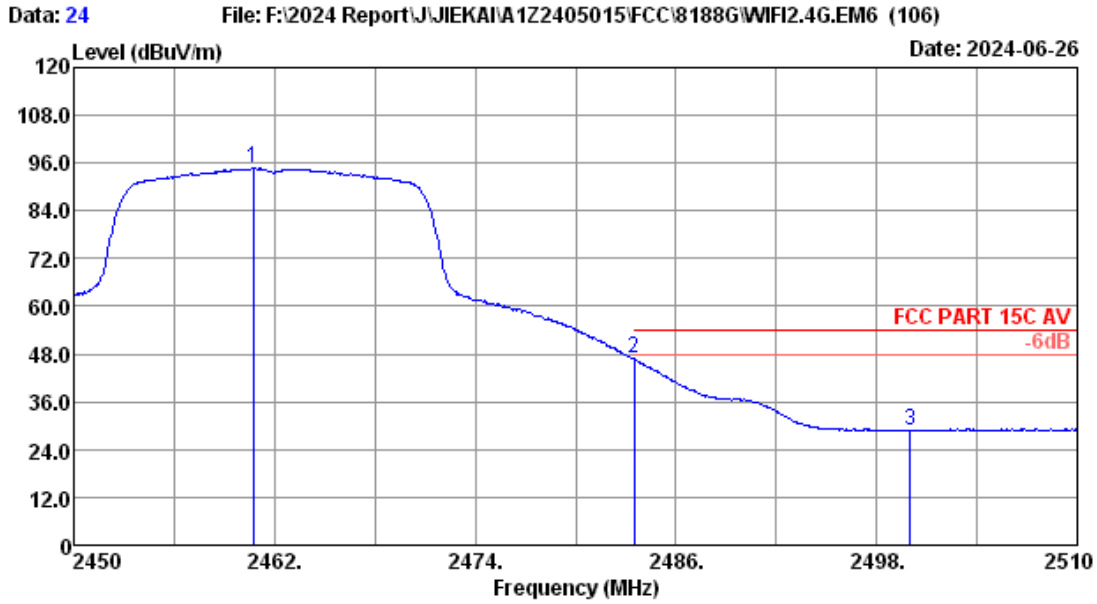
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 23
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n20 2462MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2460.68	27.80	2.87	81.78	31.67	80.78	-----	-----	Average
2	2483.50	27.80	2.88	36.26	31.66	35.28	54.00	18.72	Average
3	2500.00	27.80	2.88	29.83	31.65	28.86	54.00	25.14	Average

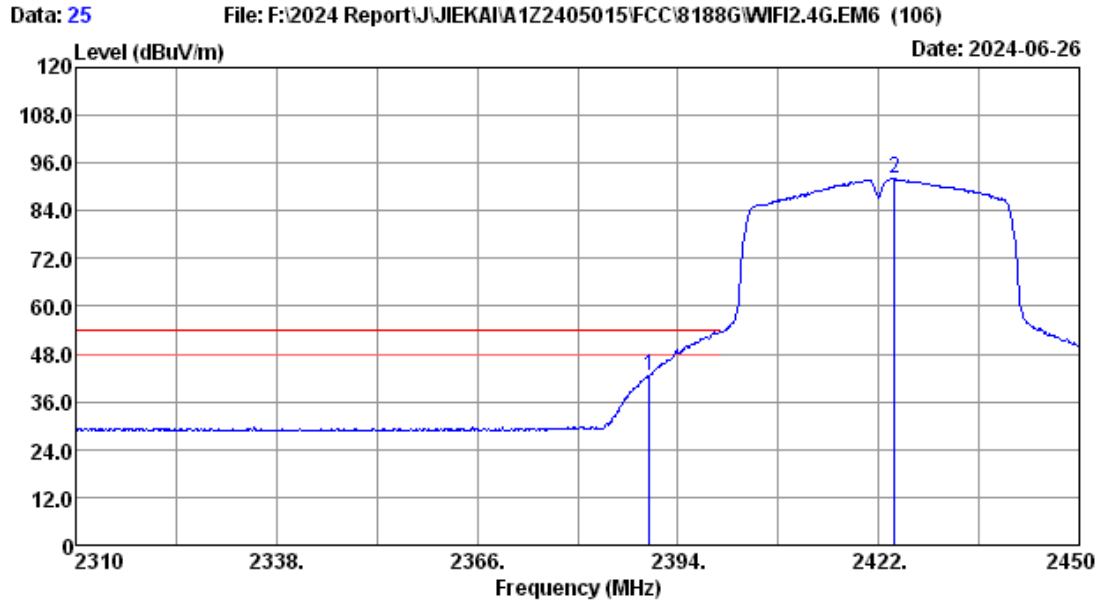
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 24
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n20 2462MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2460.74	27.80	2.87	95.65	31.67	94.65	-----	-----	Average
2	2483.50	27.80	2.88	47.78	31.66	46.80	54.00	7.20	Average
3	2500.00	27.80	2.88	29.92	31.65	28.95	54.00	25.05	Average

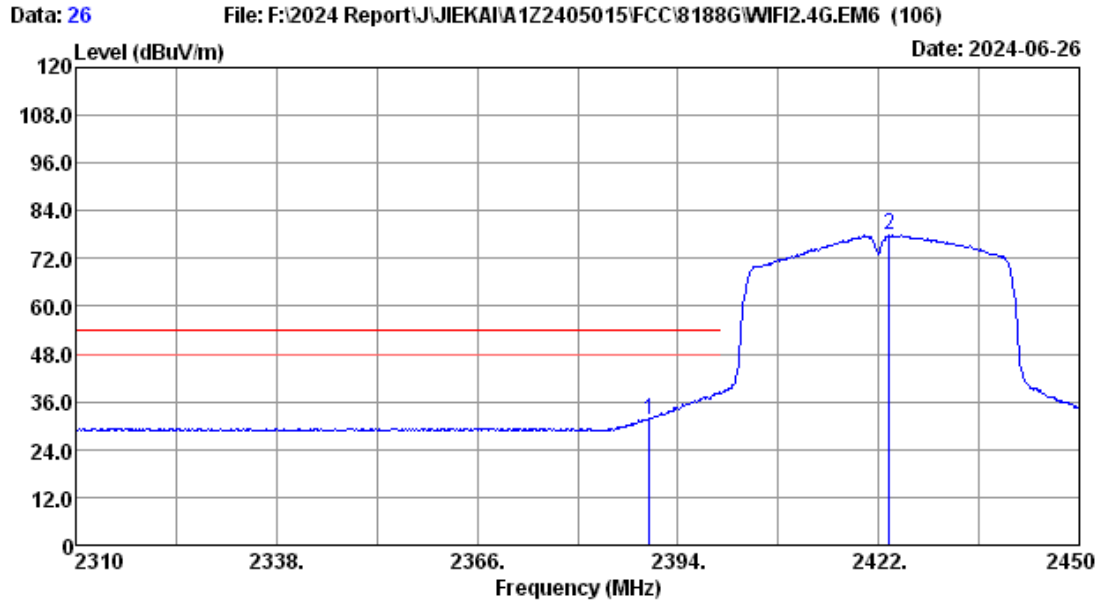
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 25
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n40 2422MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	43.93	31.70	42.68	54.00	11.32	Average
2	2424.24	27.70	2.85	93.38	31.69	92.24	-----	-----	Average

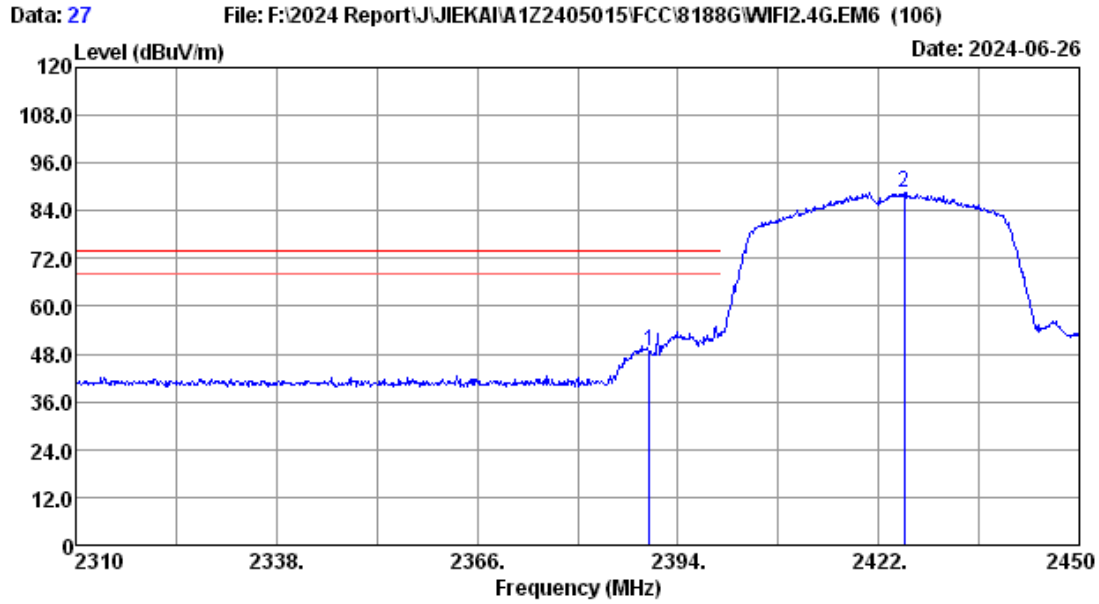
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 26
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n40 2422MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	32.82	31.70	31.57	54.00	22.43	Average
2	2423.54	27.69	2.85	79.08	31.69	77.93	-----	-----	Average

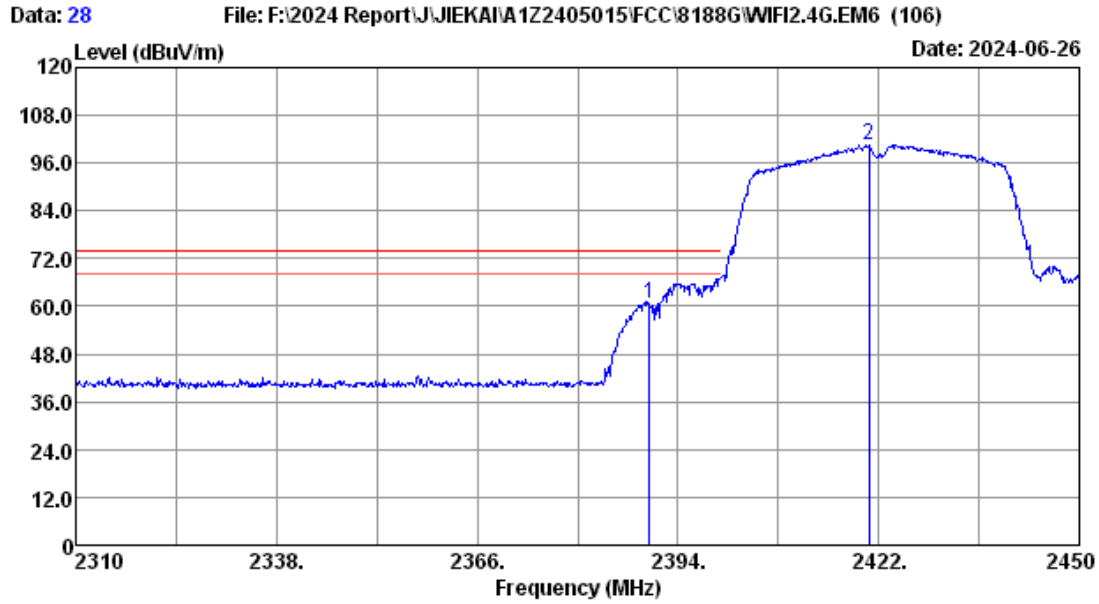
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 27
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n40 2422MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	49.81	31.70	48.56	74.00	25.44	Peak
2	2425.64	27.70	2.85	89.78	31.69	88.64	-----	-----	Peak

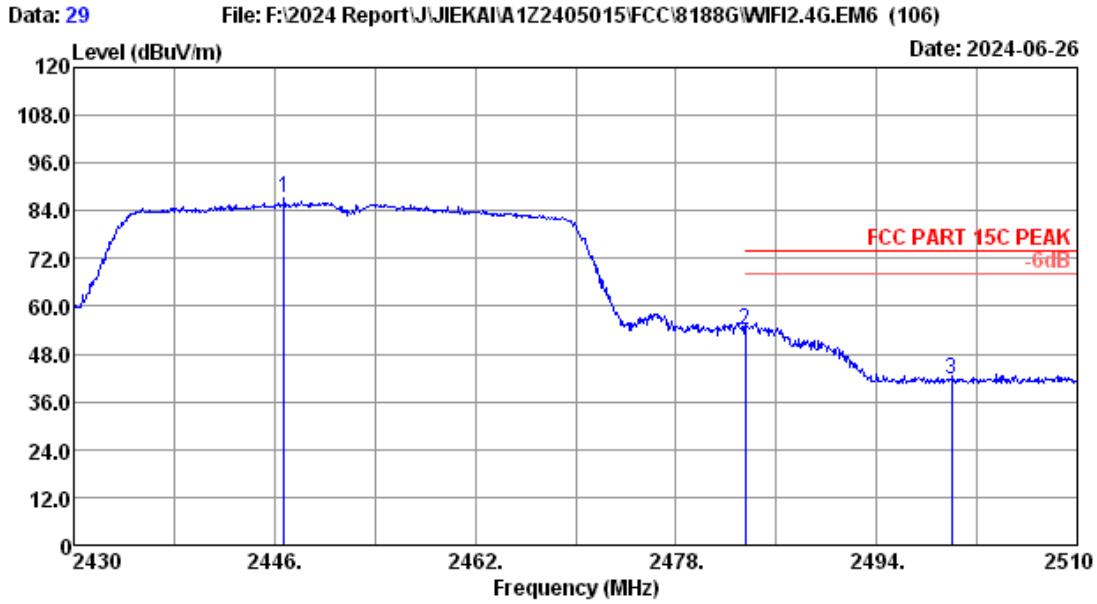
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 28
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n40 2422MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.62	2.83	61.75	31.70	60.50	74.00	13.50	Peak
2	2420.60	27.68	2.85	101.87	31.69	100.71	-----	-----	Peak

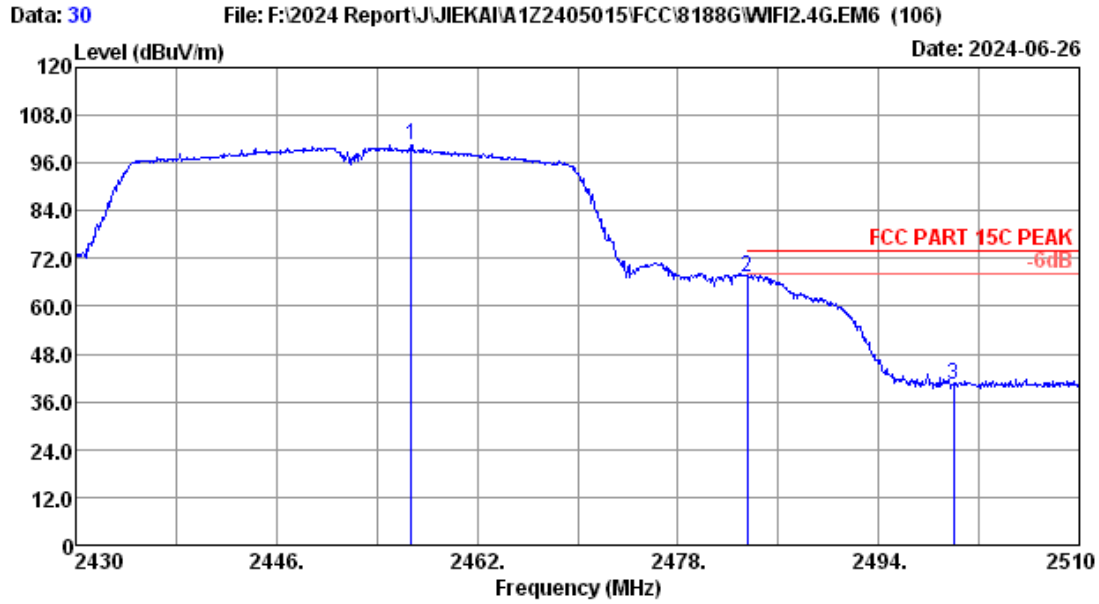
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 29
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n40 2452MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2446.80	27.79	2.86	88.23	31.68	87.20	-----	-----	Peak
2	2483.50	27.80	2.88	55.05	31.66	54.07	74.00	19.93	Peak
3	2500.00	27.80	2.88	42.51	31.65	41.54	74.00	32.46	Peak

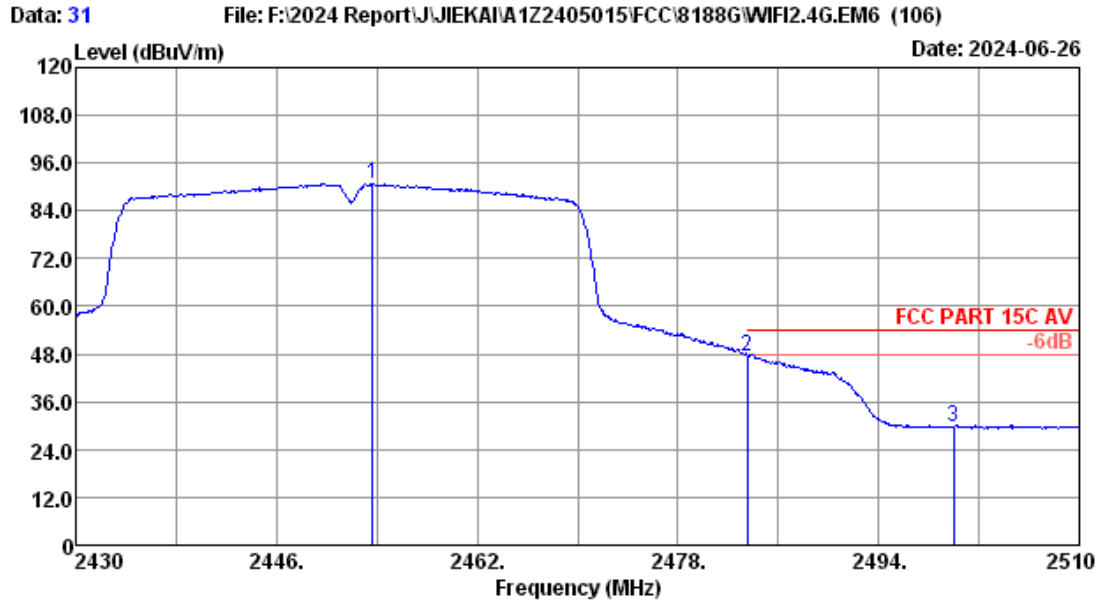
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n40 2452MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2456.72	27.80	2.86	101.59	31.67	100.58	-----	-----	Peak
2	2483.50	27.80	2.88	68.35	31.66	67.37	74.00	6.63	Peak
3	2500.00	27.80	2.88	41.17	31.65	40.20	74.00	33.80	Peak

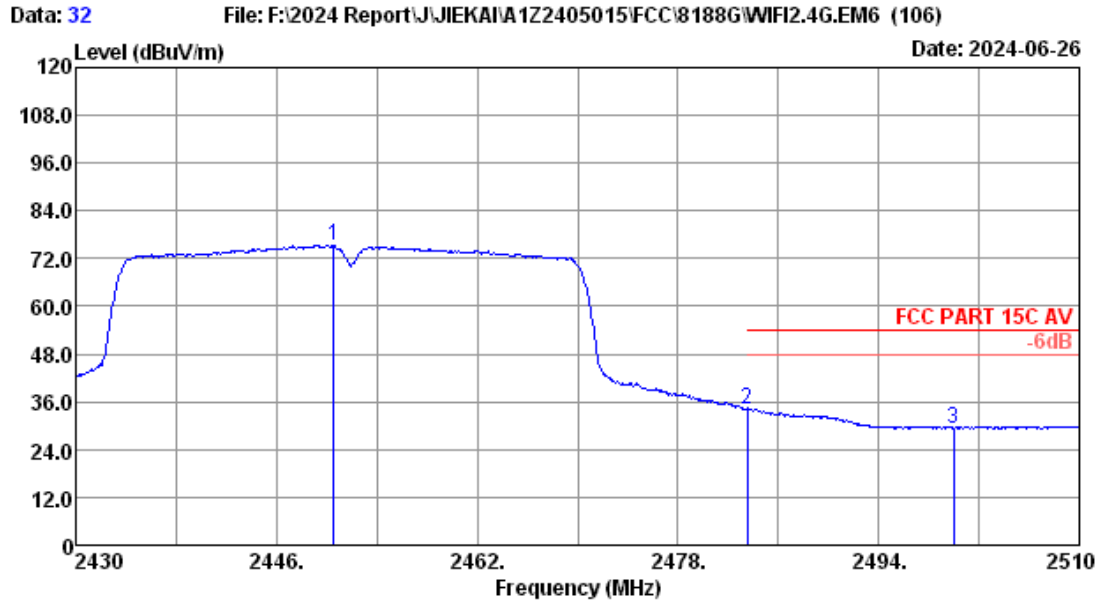
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 31
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n40 2452MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2453.68	27.80	2.86	91.83	31.67	90.82	-----	-----	Average
2	2483.50	27.80	2.88	48.55	31.66	47.57	54.00	6.43	Average
3	2500.00	27.80	2.88	30.52	31.65	29.55	54.00	24.45	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.



Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.2°C/52.5% Engineer : winter
 Test Mode : WIFI2.4G 11n40 2452MHz TX Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Amp factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2450.56	27.80	2.86	76.44	31.67	75.43	-----	-----	Average
2	2483.50	27.80	2.88	35.05	31.66	34.07	54.00	19.93	Average
3	2500.00	27.80	2.88	30.38	31.65	29.41	54.00	24.59	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp factor.
 2. The emission levels that are 20dB below the official
 limit are not reported.

7. 6DB BANDWIDTH TEST

7.1.Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

7.2.Test Procedure

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

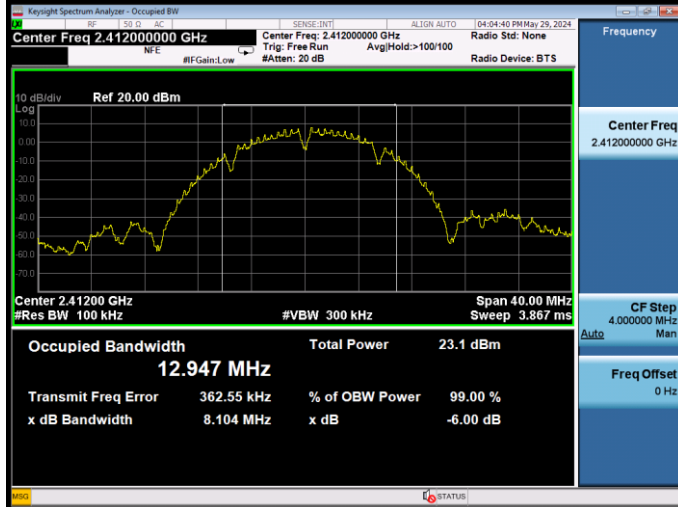
7.3.Test Results

EUT: Tablet PC		
M/N: 8188G		
Test date:2024-5-29	Pressure: 102.1±1.0 kpa	Humidity: 52.5±3.0%
Tested by:lili	Test site: RF site	Temperature:23.2±0.6 °C

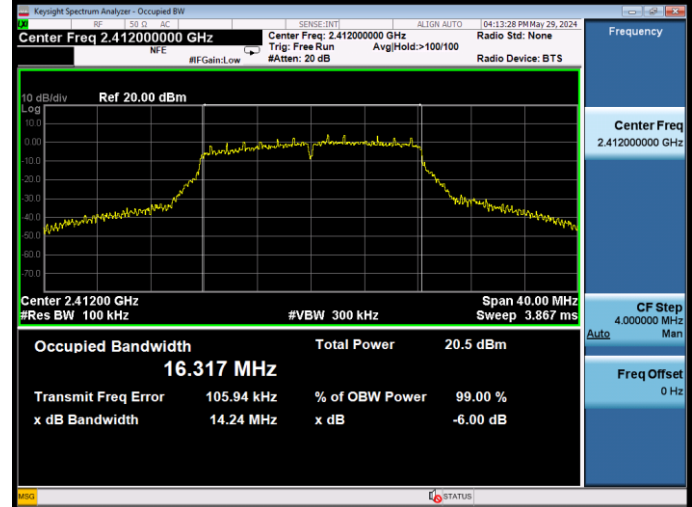
Test Mode	CH	-6dBBandwidth (MHz)	Limit (KHz)
11b	CH1	8.104	≧ 500
	CH6	8.539	
	CH11	8.570	
11g	CH1	14.24	≧ 500
	CH6	15.74	
	CH11	15.34	
11n HT20	CH1	16.06	≧ 500
	CH6	16.33	
	CH11	15.13	
11n HT40	CH3	27.50	≧ 500
	CH6	35.48	
	CH9	35.64	

Conclusion:Pass

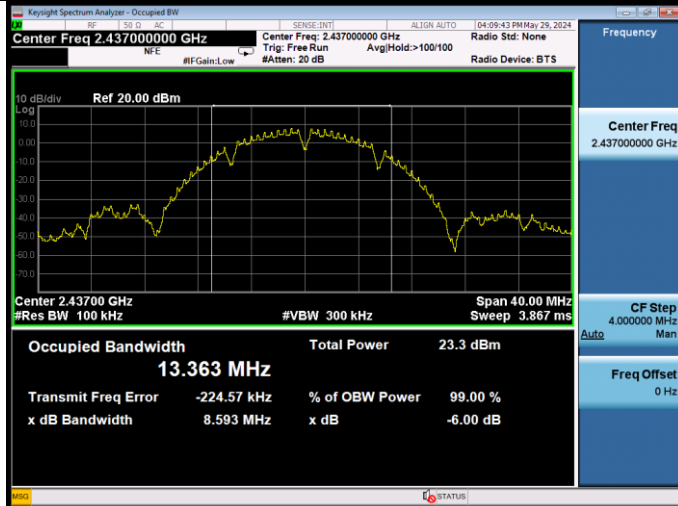
Test Mode: IEEE 802.11b
Test CH1: 2412MHz



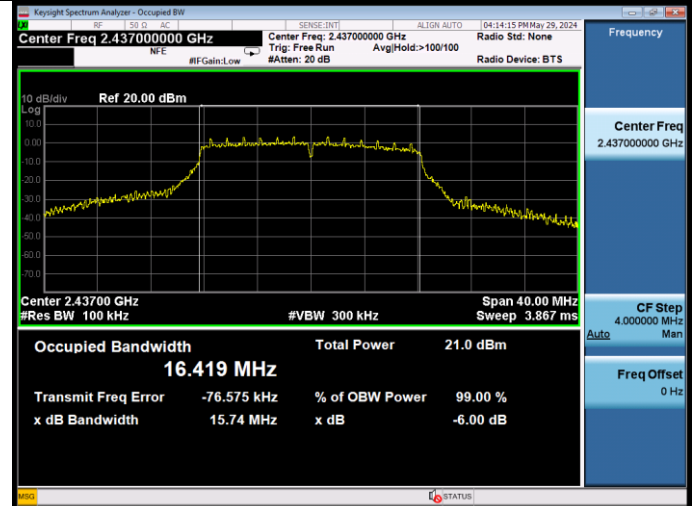
Test Mode: IEEE 802.11g
Test CH1: 2412MHz



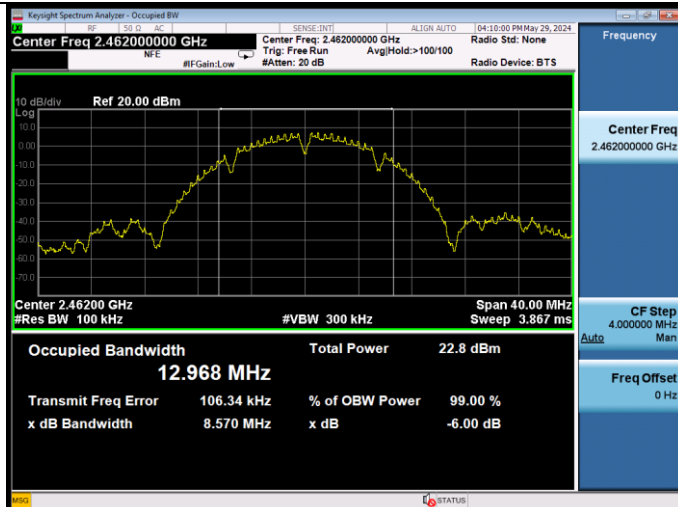
Test CH6: 2437MHz



Test CH6: 2437MHz



Test CH11: 2462MHz



Test CH11: 2462MHz

