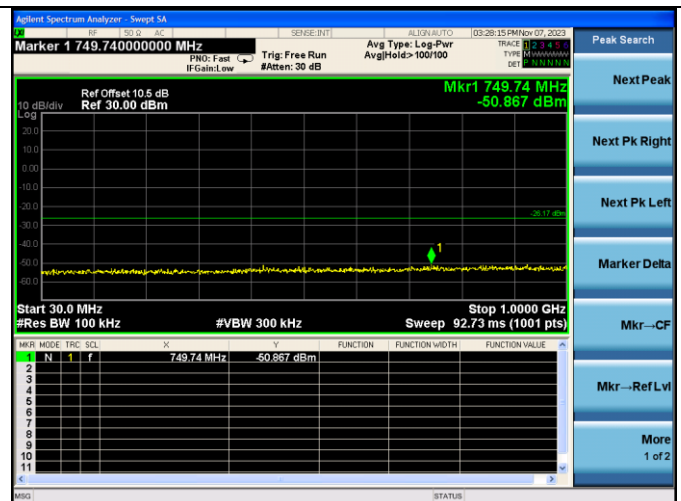
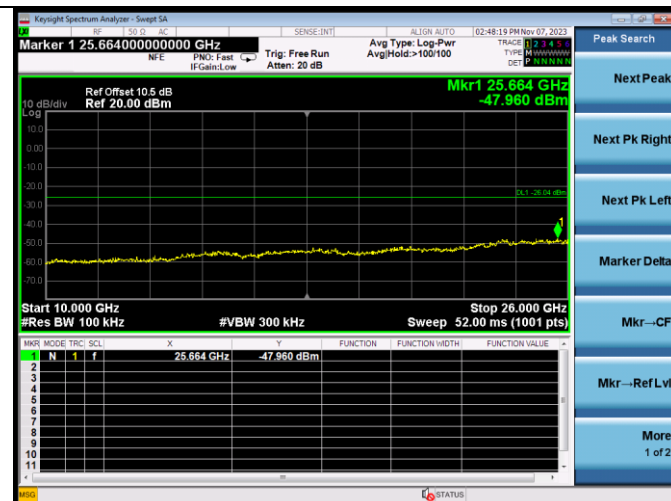
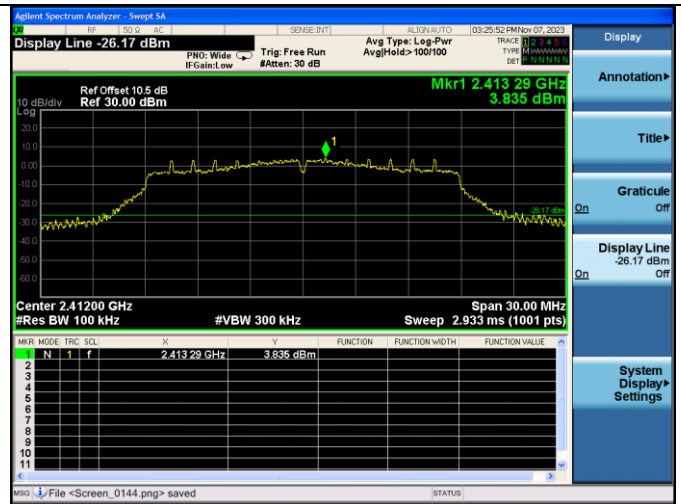
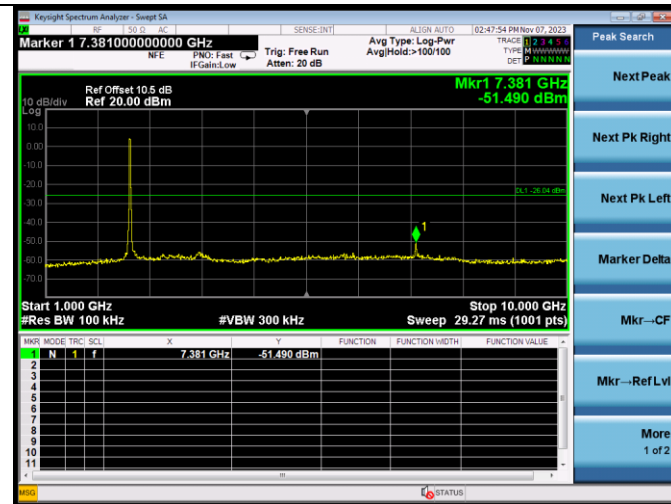
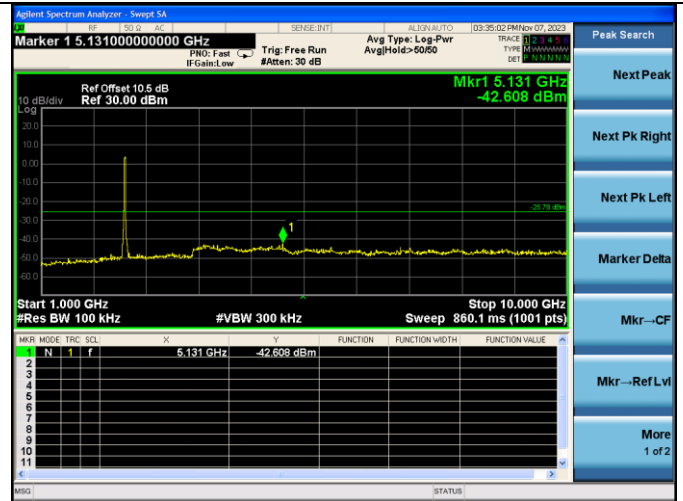
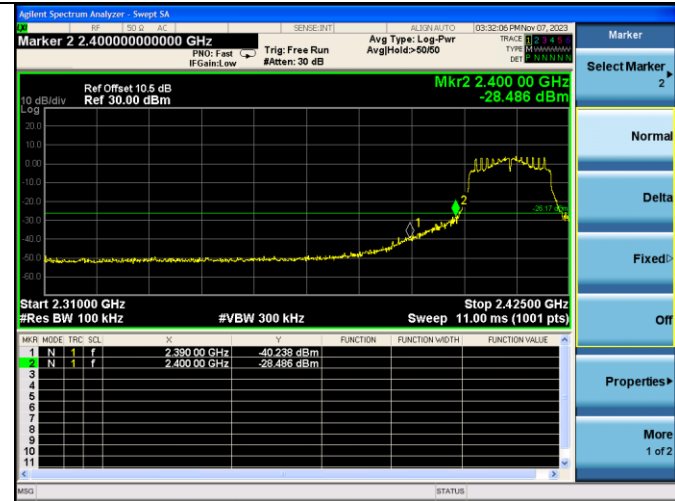
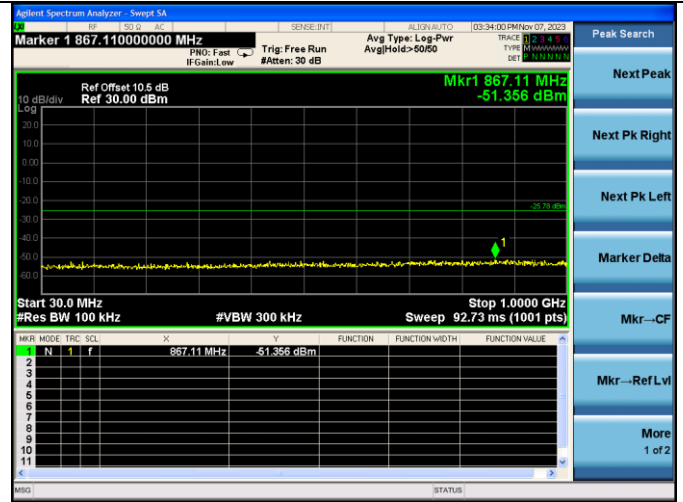
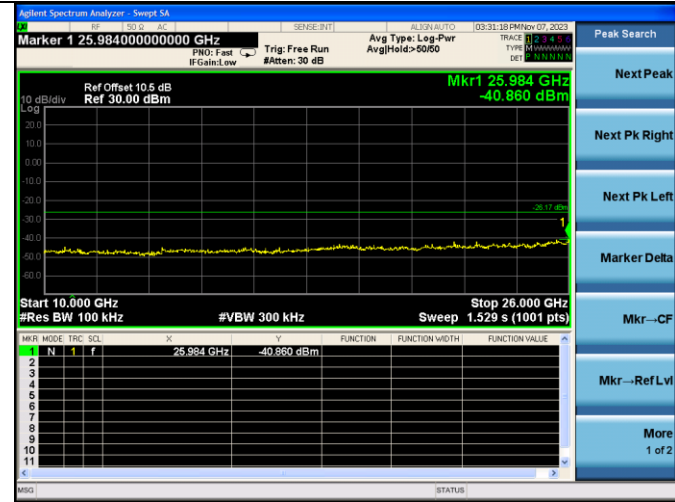
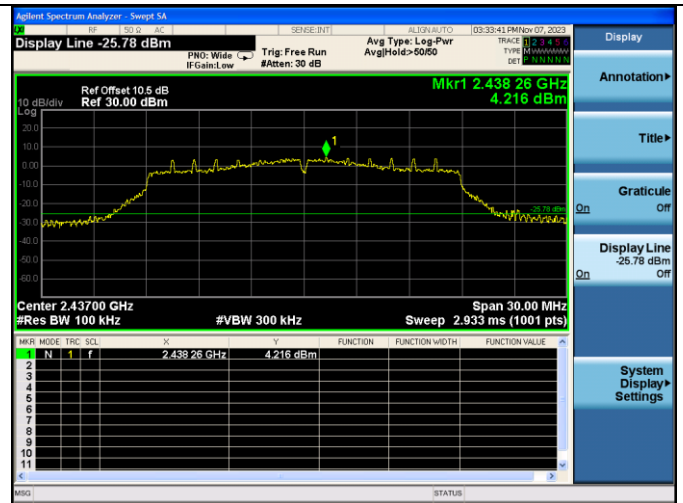
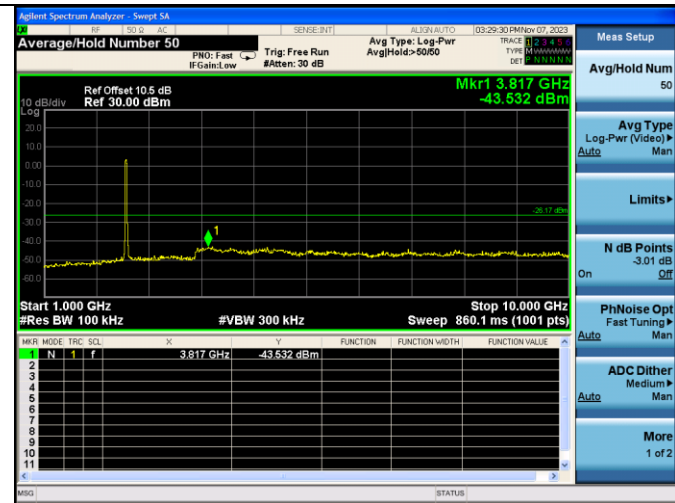
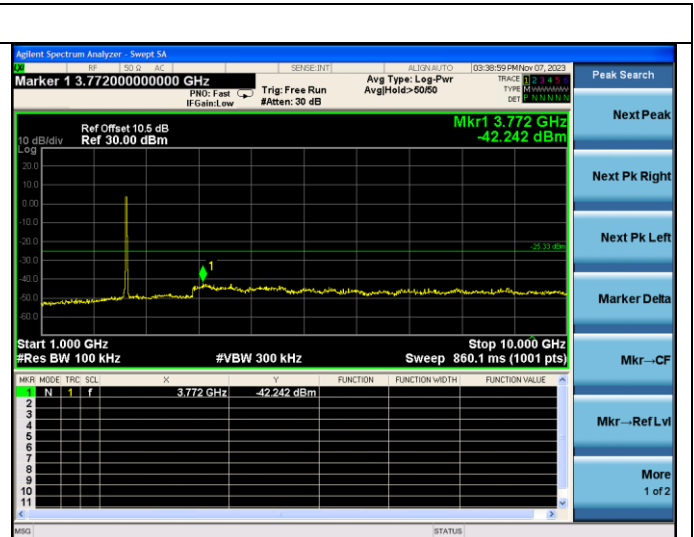
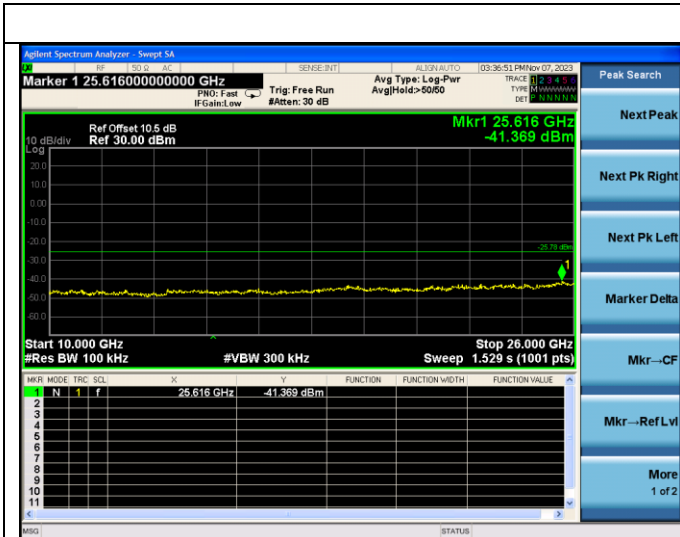


Test Mode: IEEE 802.11n HT20
Test CH1: 2412MHz

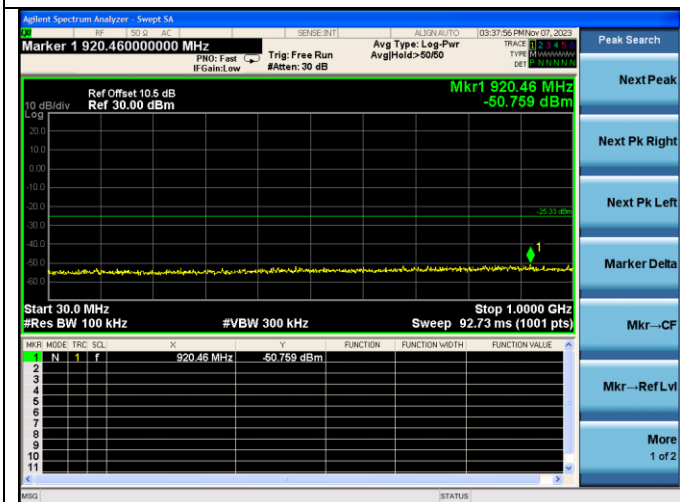
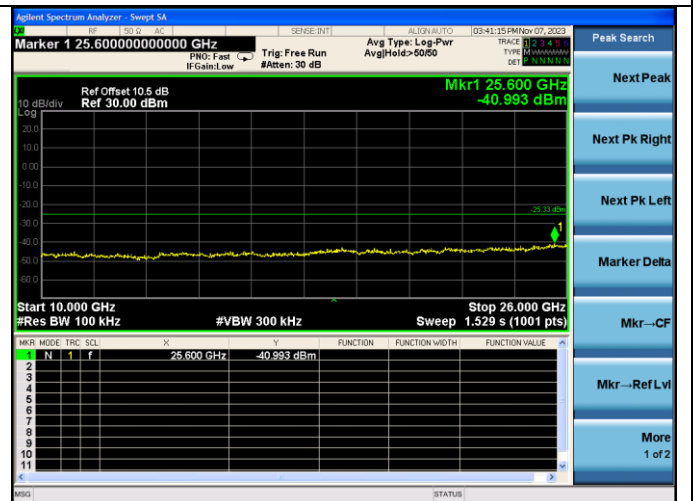
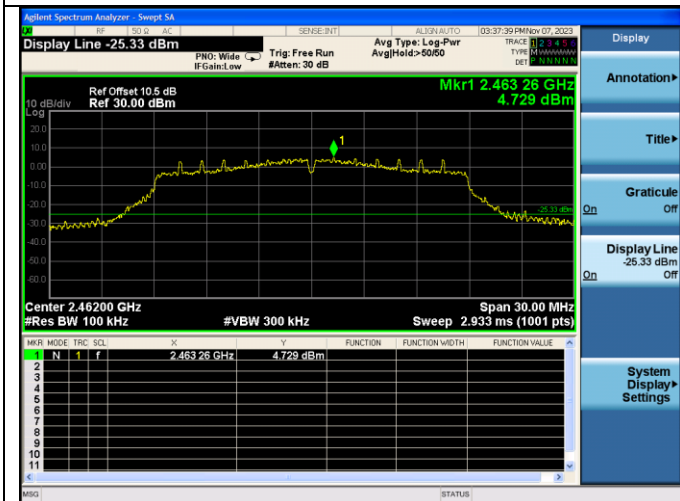


Test CH6: 2437MHz





Test CH11: 2462MHz



6. BAND EDGE COMPLIANCE TEST

6.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3mChamber(Svswr)	AUDIX	N/A	N/A	Aug.09,22	3Year
2.	3mChamber(SE)	AUDIX	N/A	N/A	Sep.16,22	3Year
3.	Signal Analyzer	Rohde & Schwarz	FSV30	104050	Apr.01,23	1 Year
4.	Amplifier	EMCI	EMC0518A45SE	980965	Aug.25,23	1 Year
5.	RF Cable	Shanghaichaoyu	SFT205-NMSM-10.00M	689241	Aug.25,23	1 Year
6.	Test Software	AUDIX	e3	6.100913a	N/A	N/A
7.	Horn Antenna	ETC	MCTD 1209	DRH15F03006	Aug.23,23	1 Year

Note: N/A means Not applicable.

6.2. Limit

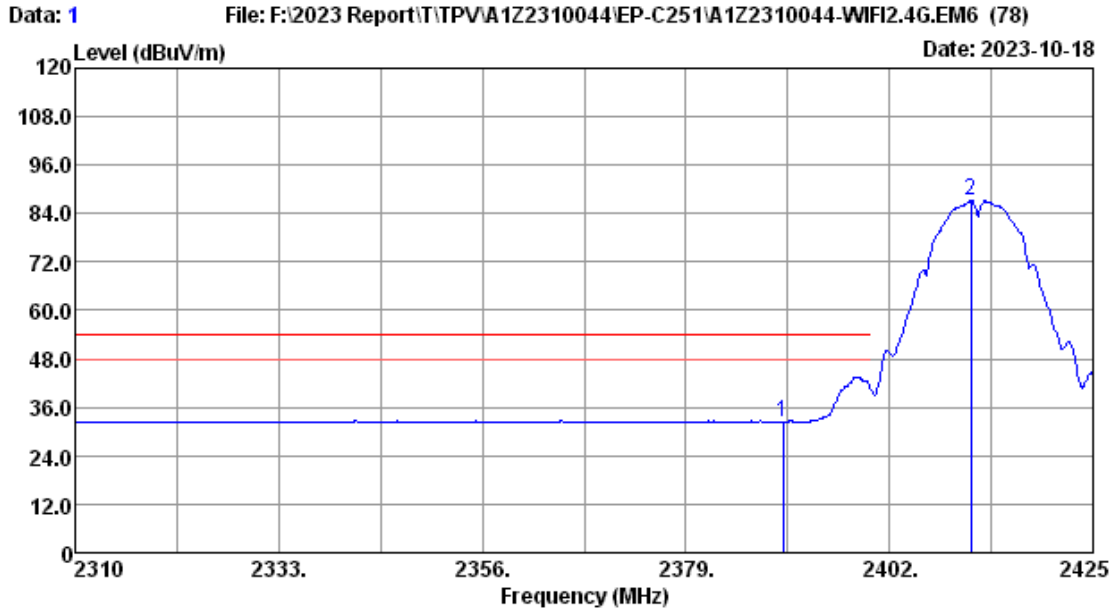
All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental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

6.3. 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

6.4. Test Results

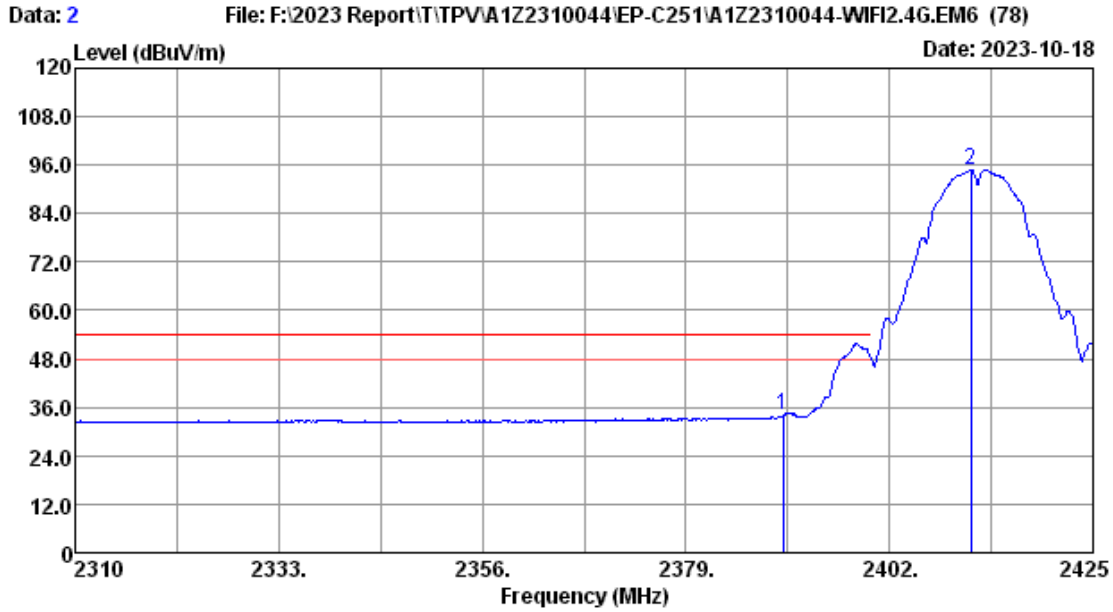
Pass (The testing data was attached in the next pages.)



Site no. : 3m Chamber Data no. : 1
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11b 2412MHz TX

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	4.85	34.27	34.36	32.38	54.00	21.62	Average
2	2411.20	27.64	4.87	89.06	34.36	87.21	-----	-----	Average

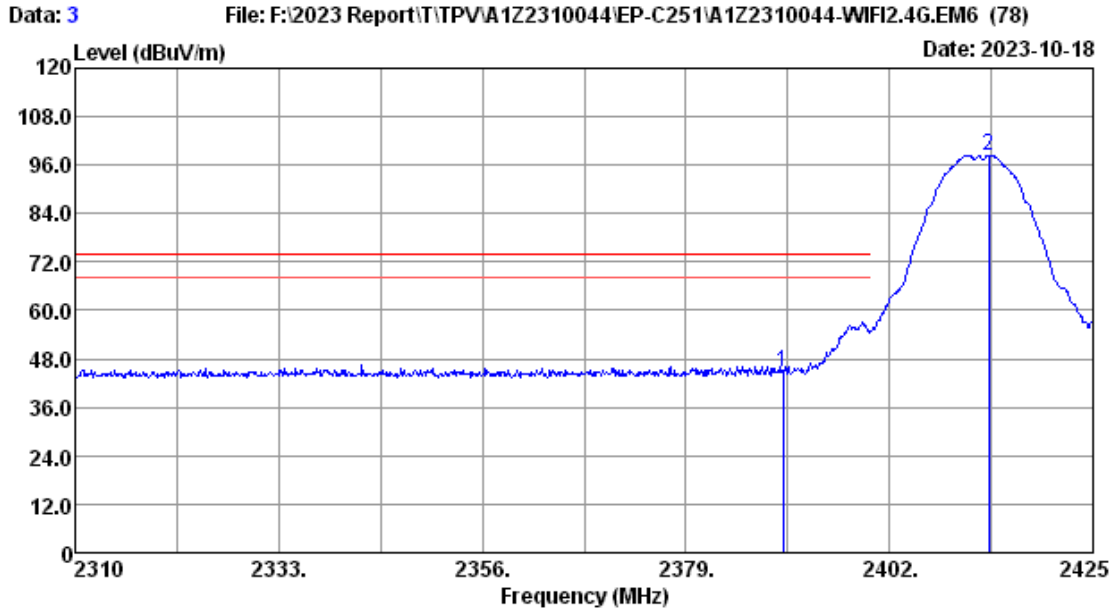
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 21.2°C/50.5% Engineer : nier
 Test Mode : 2.4G 11b 2412MHz TX

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	4.85	36.20	34.36	34.31	54.00	19.69	Average
2	2411.20	27.64	4.87	96.81	34.36	94.96	-----	-----	Average

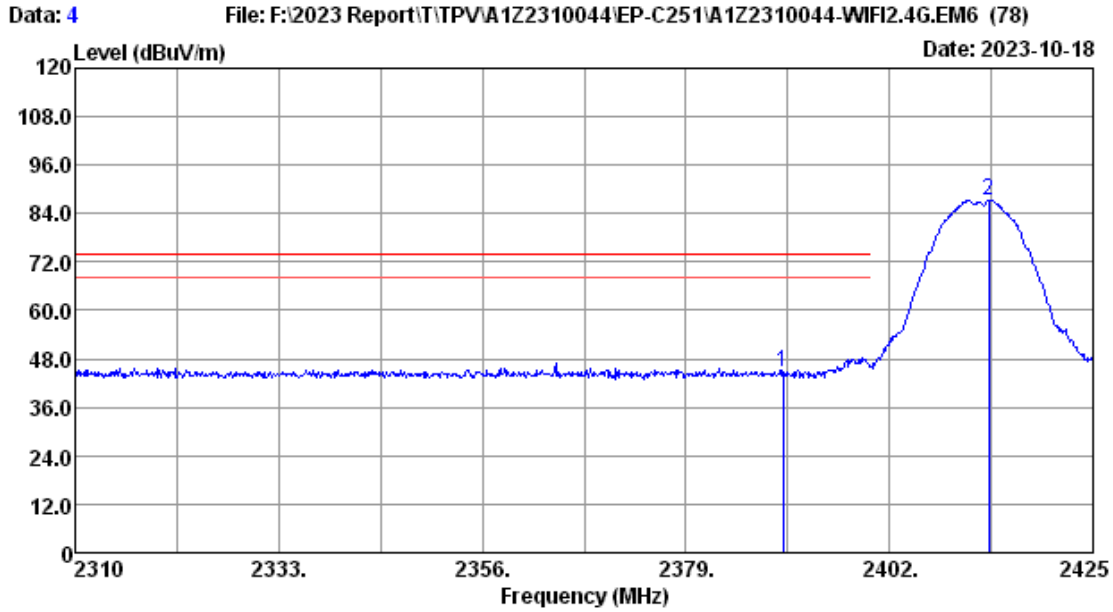
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.2°C/50.5% Engineer : nier
 Test Mode : 2.4G 11b 2412MHz TX

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	4.85	46.79	34.36	44.90	74.00	29.10	Peak
2	2413.27	27.65	4.87	100.33	34.36	98.49	-----	-----	Peak

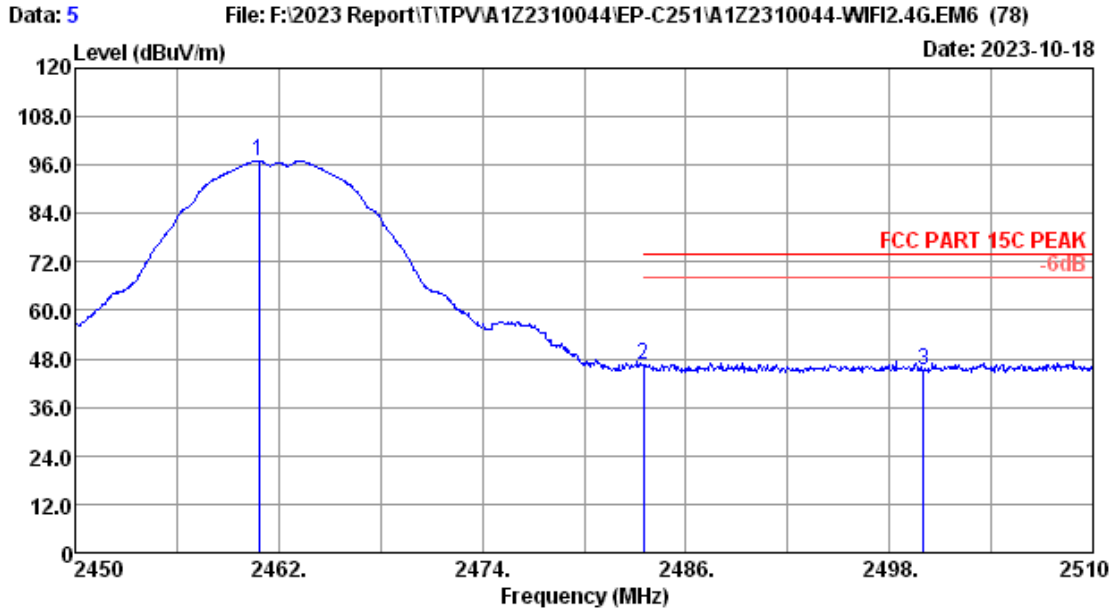
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.2°C/50.5% Engineer : nier
 Test Mode : 2.4G 11b 2412MHz TX

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	4.85	46.65	34.36	44.76	74.00	29.24	Peak
2	2413.27	27.65	4.87	89.03	34.36	87.19	-----	-----	Peak

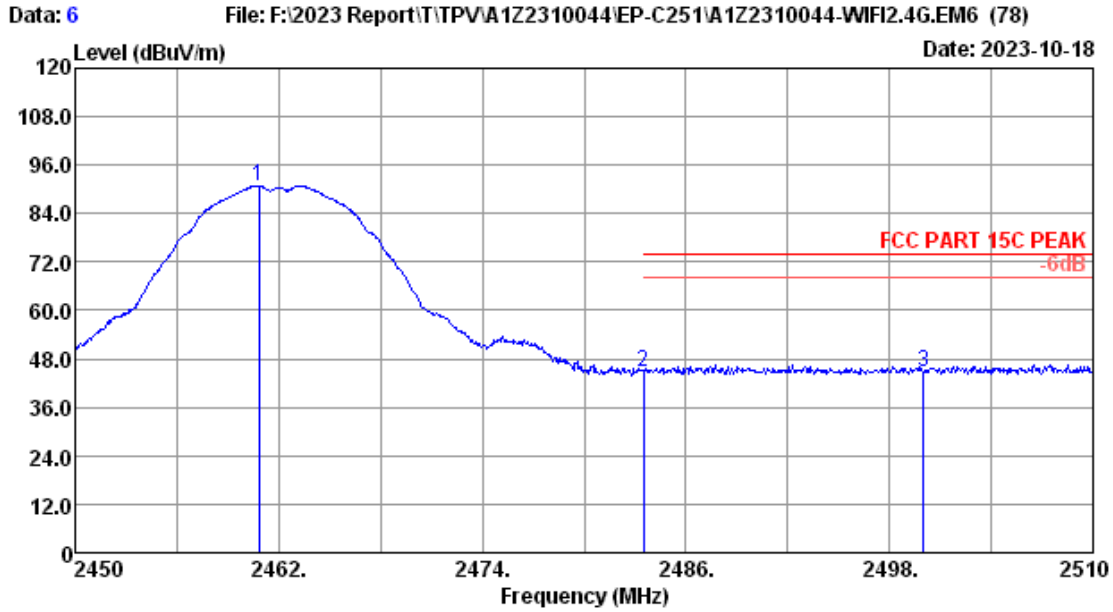
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 5
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11b 2462MHz TX

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	2460.86	27.80	4.91	98.58	34.35	96.94	-----	-----	Peak
2	2483.50	27.80	4.94	48.30	34.35	46.69	74.00	27.31	Peak
3	2500.00	27.80	4.95	46.70	34.35	45.10	74.00	28.90	Peak

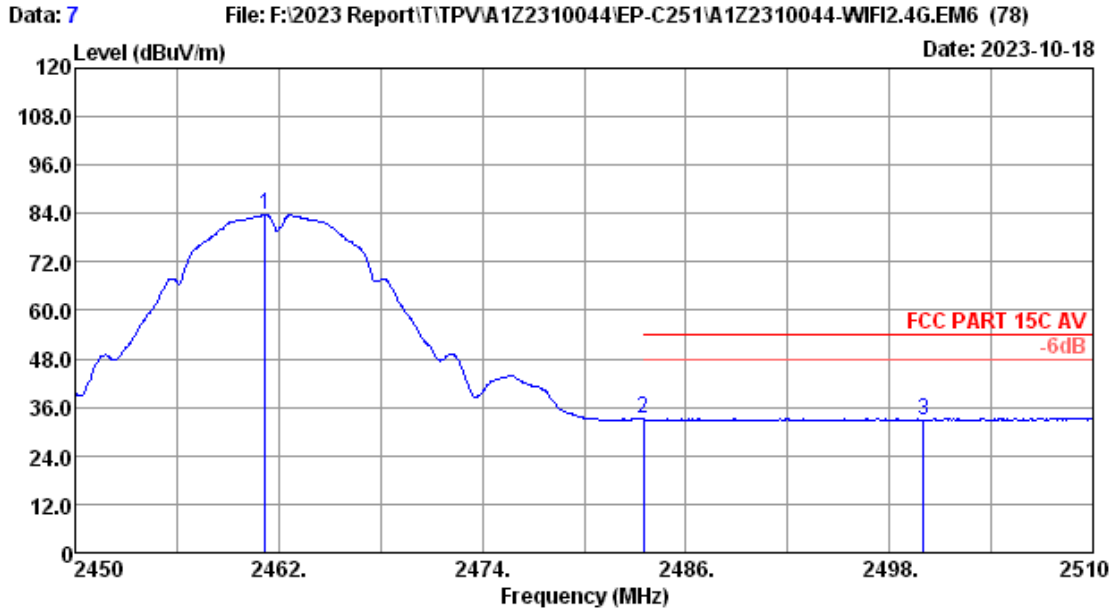
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11b 2462MHz TX

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	2460.86	27.80	4.91	92.41	34.35	90.77	-----	-----	Peak
2	2483.50	27.80	4.94	46.54	34.35	44.93	74.00	29.07	Peak
3	2500.00	27.80	4.95	46.13	34.35	44.53	74.00	29.47	Peak

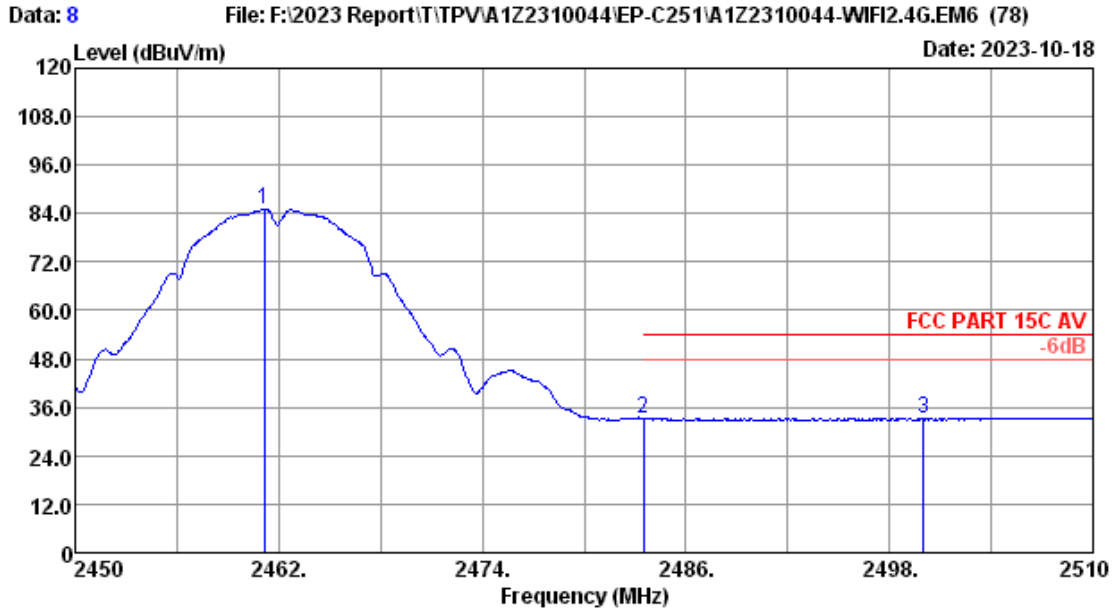
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 7
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11b 2462MHz TX

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	2461.22	27.80	4.92	85.45	34.35	83.82	-----	-----	Average
2	2483.50	27.80	4.94	34.66	34.35	33.05	54.00	20.95	Average
3	2500.00	27.80	4.95	34.42	34.35	32.82	54.00	21.18	Average

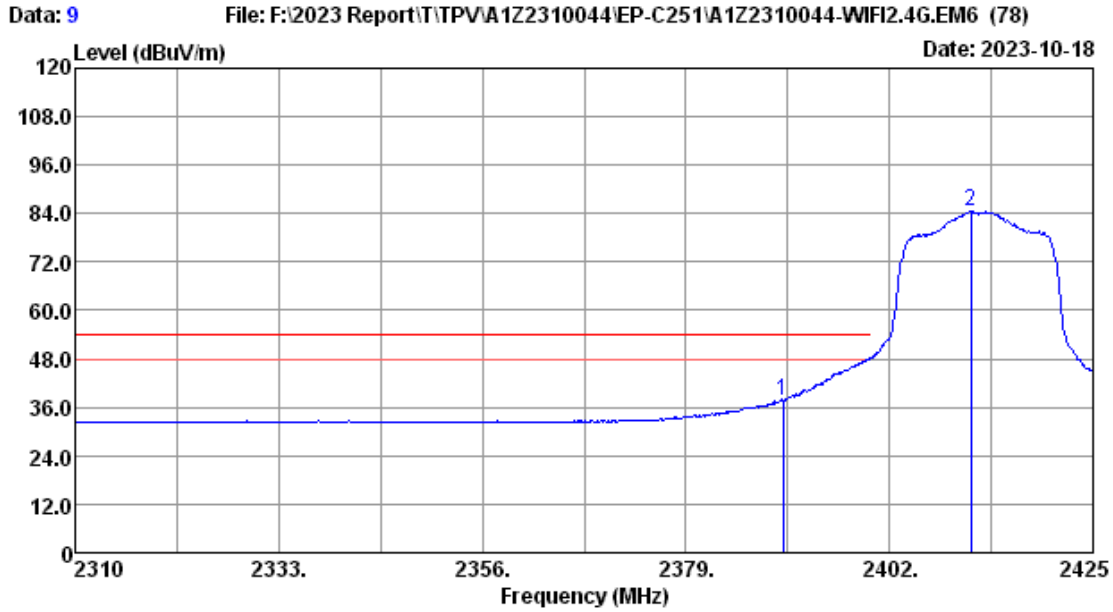
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 8
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11b 2462MHz TX

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	4.92	86.75	34.35	85.12	-----	-----	Average
2	2483.50	27.80	4.94	34.83	34.35	33.22	54.00	20.78	Average
3	2500.00	27.80	4.95	34.62	34.35	33.02	54.00	20.98	Average

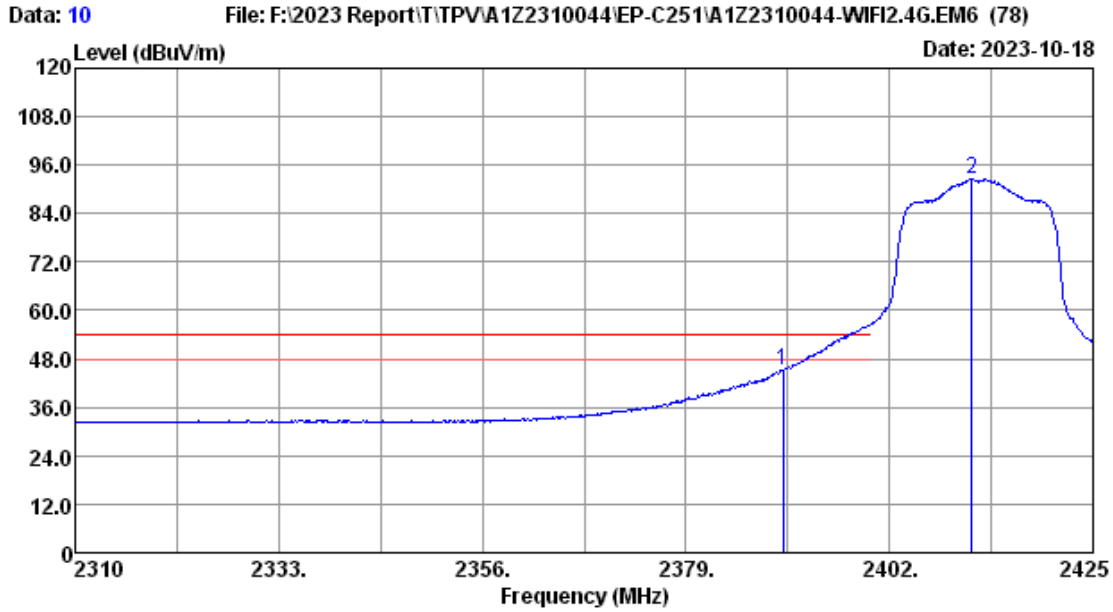
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 9
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11g 2412MHz TX

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	4.85	39.75	34.36	37.86	54.00	16.14	Average
2	2411.20	27.64	4.87	86.44	34.36	84.59	-----	-----	Average

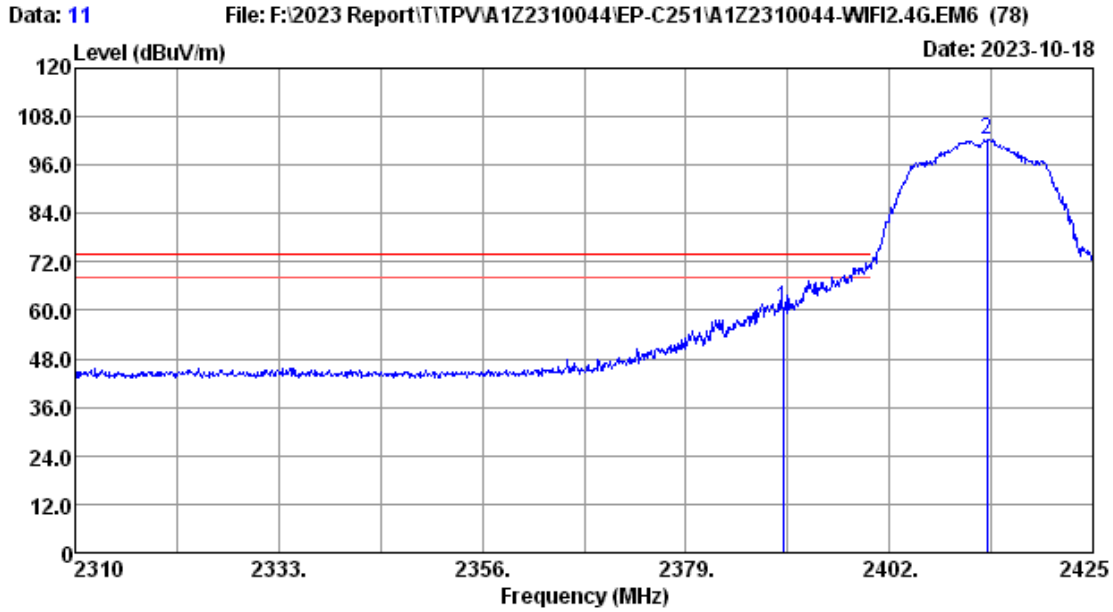
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 10
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11g 2412MHz TX

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	4.85	46.95	34.36	45.06	54.00	8.94	Average
2	2411.32	27.65	4.87	94.44	34.36	92.60	-----	-----	Average

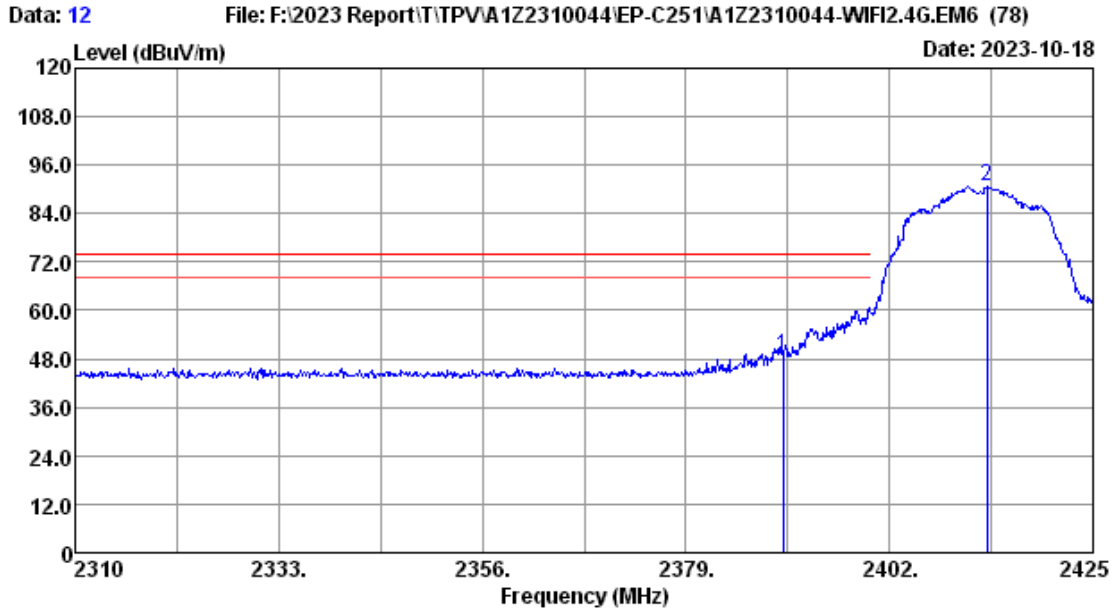
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 11
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11g 2412MHz TX

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	4.85	62.46	34.36	60.57	74.00	13.43	Peak
2	2413.04	27.65	4.87	104.11	34.36	102.27	-----	-----	Peak

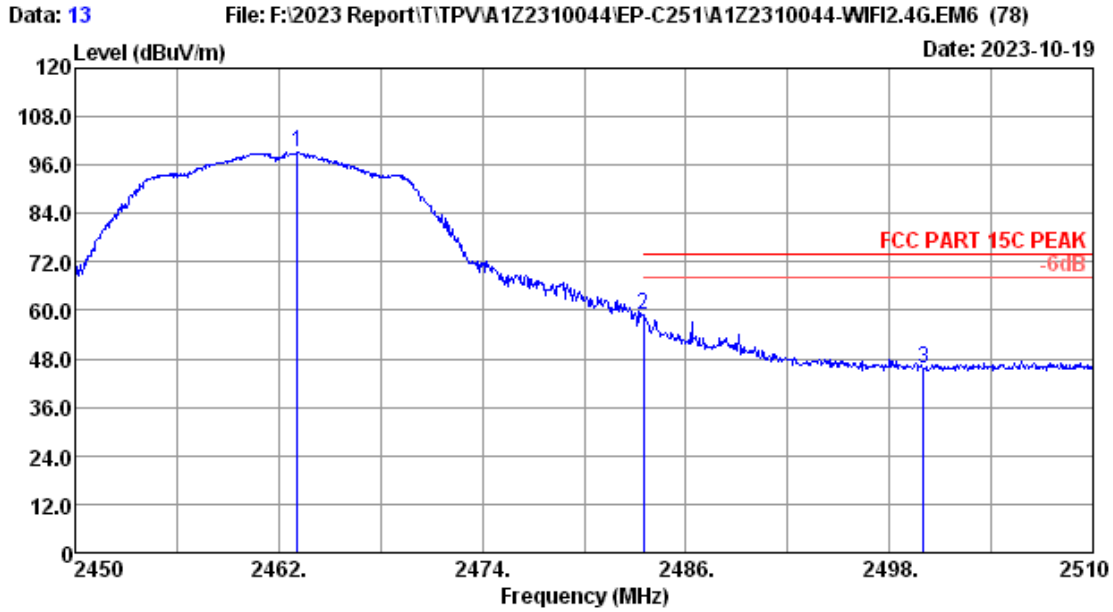
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11g 2412MHz TX

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	4.85	50.67	34.36	48.78	74.00	25.22	Peak
2	2413.04	27.65	4.87	92.57	34.36	90.73	-----	-----	Peak

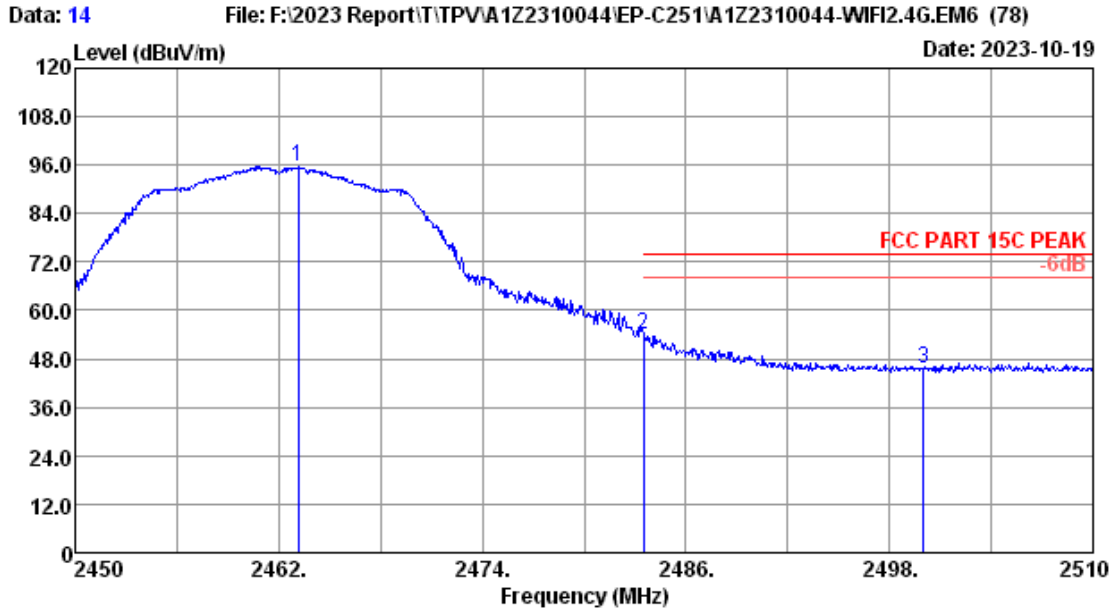
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 13
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11g 2462MHz TX

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	2463.08	27.80	4.92	100.72	34.35	99.09	-----	-----	Peak
2	2483.50	27.80	4.94	60.41	34.35	58.80	74.00	15.20	Peak
3	2500.00	27.80	4.95	47.38	34.35	45.78	74.00	28.22	Peak

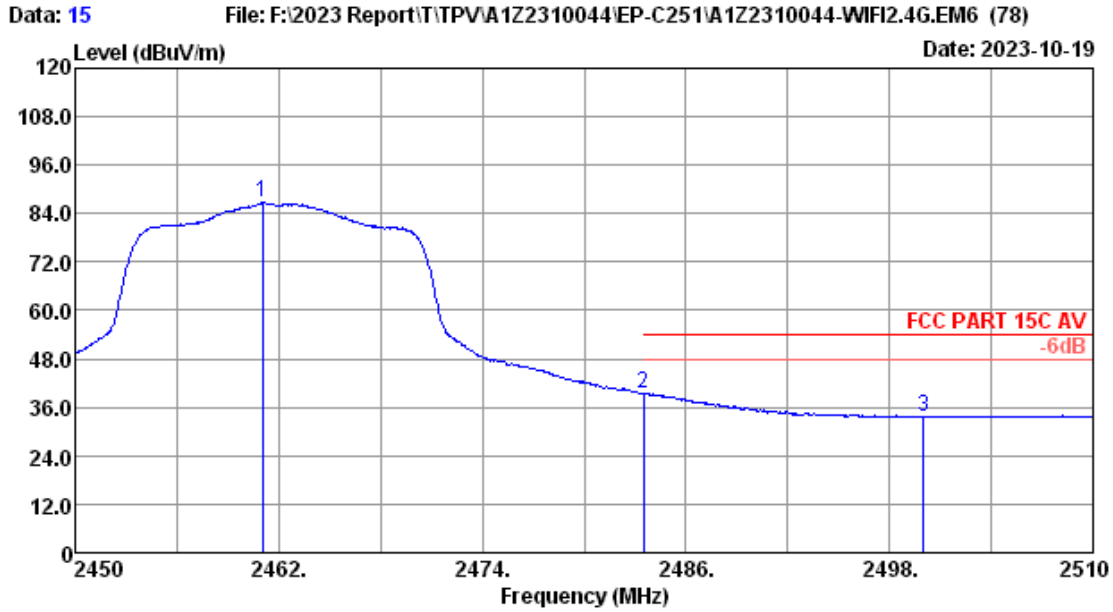
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.2°C/50.5% Engineer : nier
 Test Mode : 2.4G 11g 2462MHz TX

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	2463.14	27.80	4.92	97.23	34.35	95.60	-----	-----	Peak
2	2483.50	27.80	4.94	55.60	34.35	53.99	74.00	20.01	Peak
3	2500.00	27.80	4.95	47.12	34.35	45.52	74.00	28.48	Peak

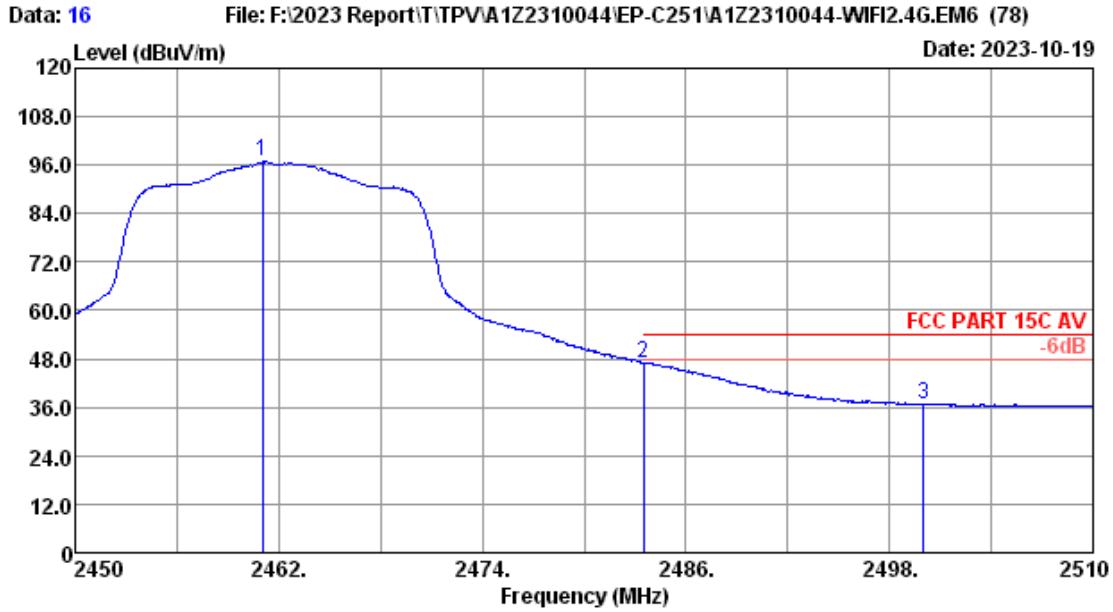
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 15
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11g 2462MHz TX

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	2461.04	27.80	4.91	88.35	34.35	86.71	-----	-----	Average
2	2483.50	27.80	4.94	40.85	34.35	39.24	54.00	14.76	Average
3	2500.00	27.80	4.95	35.32	34.35	33.72	54.00	20.28	Average

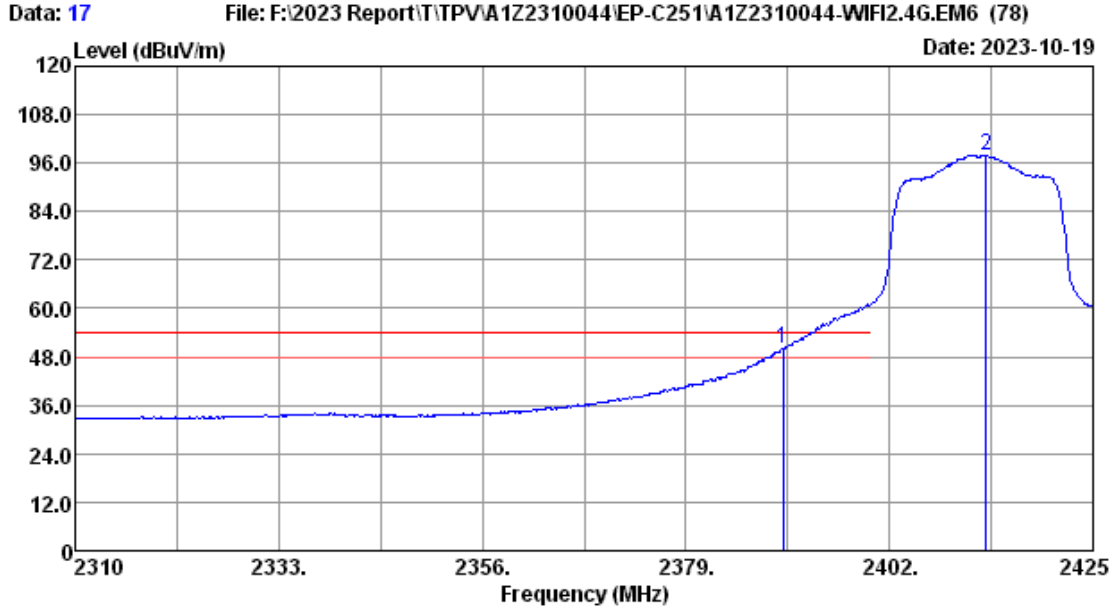
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11g 2462MHz TX

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	2461.04	27.80	4.91	98.49	34.35	96.85	-----	-----	Average
2	2483.50	27.80	4.94	48.60	34.35	46.99	54.00	7.01	Average
3	2500.00	27.80	4.95	38.17	34.35	36.57	54.00	17.43	Average

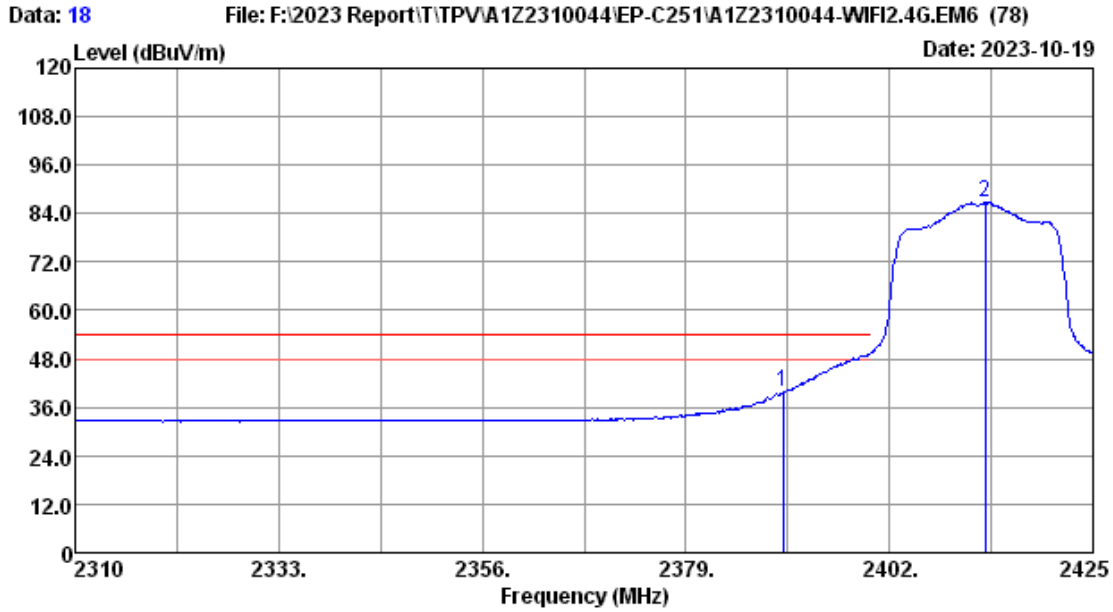
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 17
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11n20 2412MHz TX

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	4.85	52.05	34.36	50.16	54.00	3.84	Average
2	2412.93	27.65	4.87	99.91	34.36	98.07	-----	-----	Average

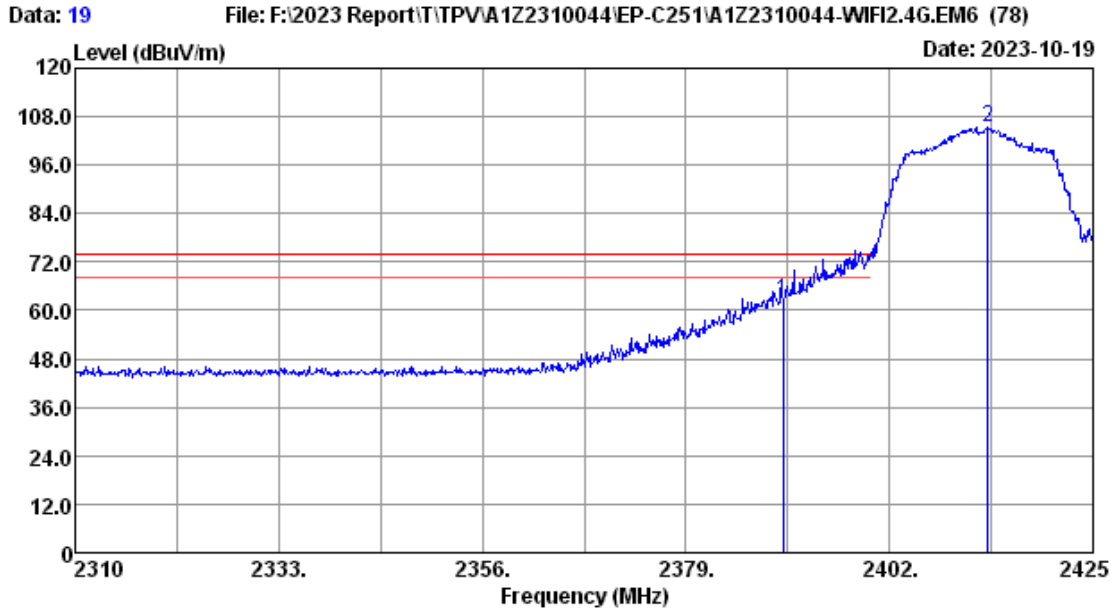
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11n20 2412MHz TX

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	4.85	41.68	34.36	39.79	54.00	14.21	Average
2	2412.81	27.65	4.87	88.47	34.36	86.63	-----	-----	Average

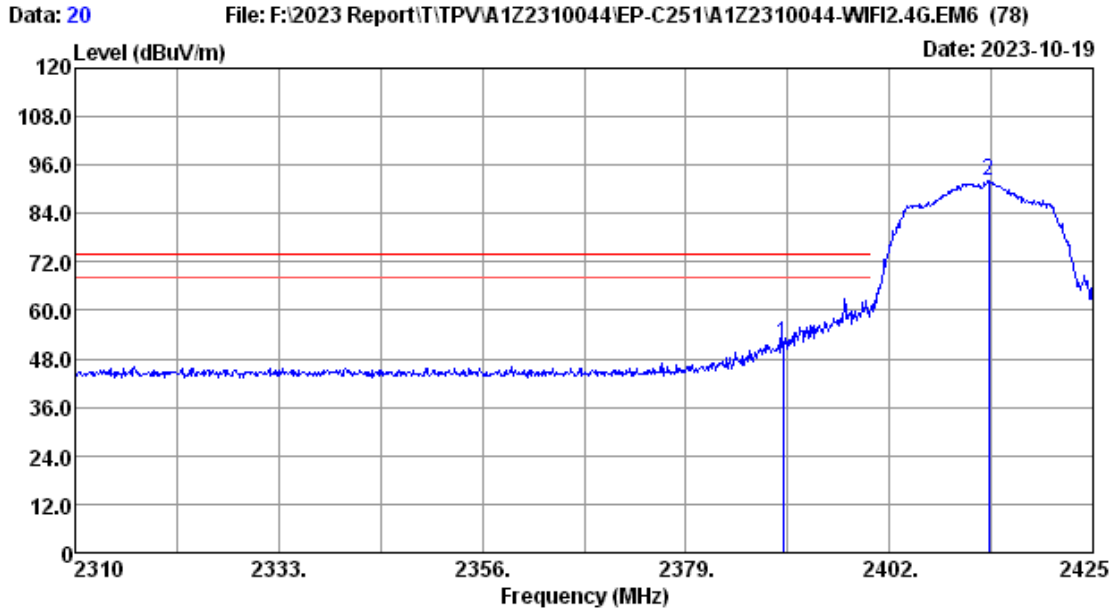
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 19
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11n20 2412MHz TX

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	4.85	64.29	34.36	62.40	74.00	11.60	Peak
2	2413.16	27.65	4.87	107.08	34.36	105.24	-----	-----	Peak

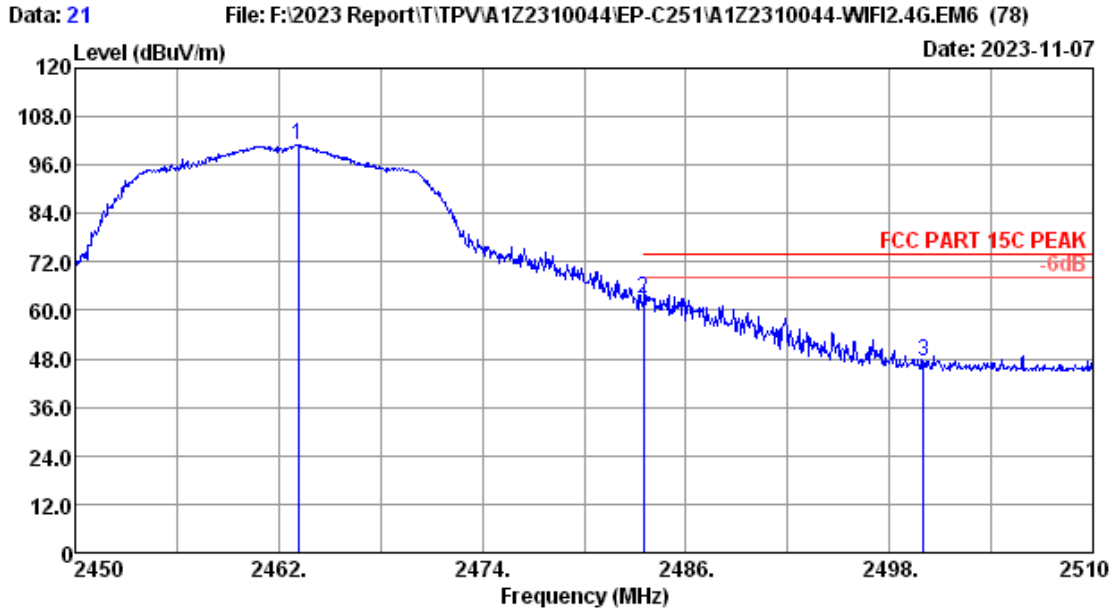
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11n20 2412MHz TX

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	4.85	53.56	34.36	51.67	74.00	22.33	Peak
2	2413.27	27.65	4.87	93.85	34.36	92.01	-----	-----	Peak

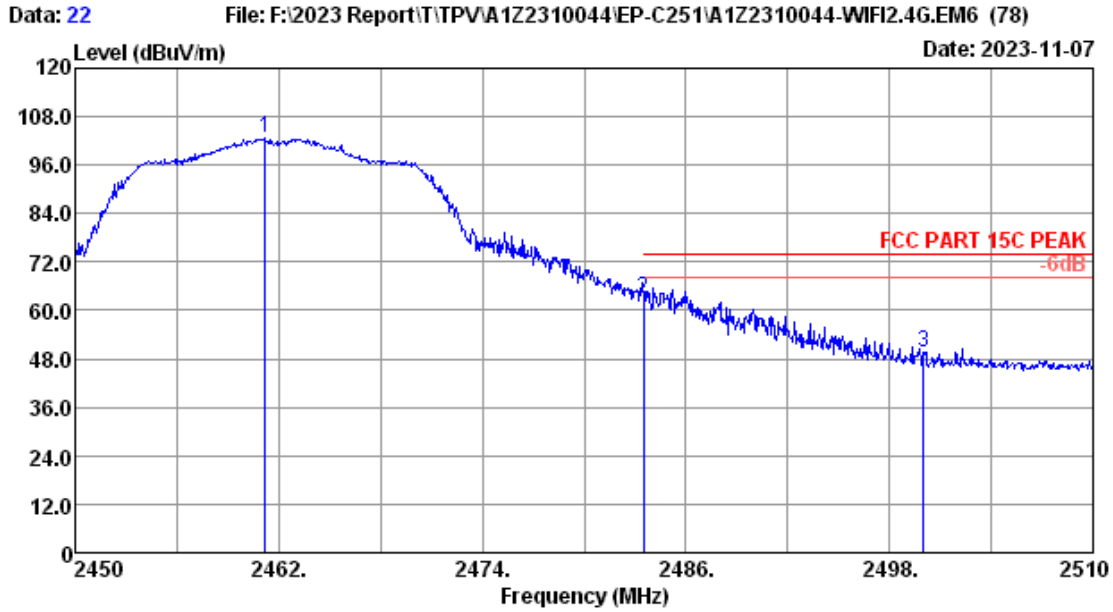
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 21
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11n20 2462MHz TX

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	2463.14	27.80	4.92	102.66	34.35	101.03	-----	-----	Peak
2	2483.50	27.80	4.94	64.30	34.35	62.69	74.00	11.31	Peak
3	2500.00	27.80	4.95	49.08	34.35	47.48	74.00	26.52	Peak

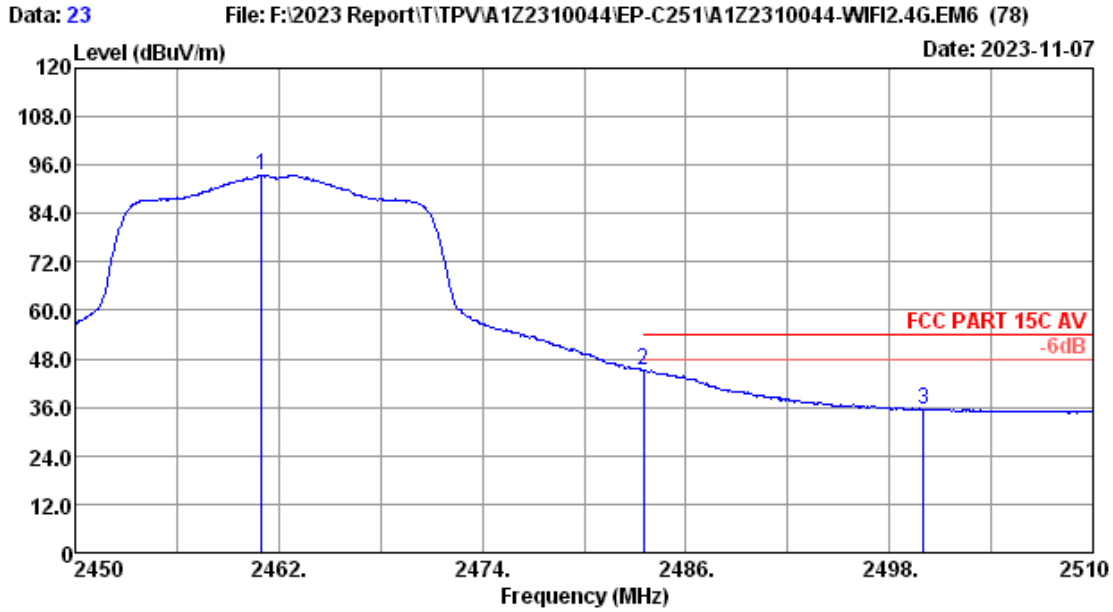
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11n20 2462MHz TX

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	2461.22	27.80	4.92	104.25	34.35	102.62	-----	-----	Peak
2	2483.50	27.80	4.94	64.53	34.35	62.92	74.00	11.08	Peak
3	2500.00	27.80	4.95	51.04	34.35	49.44	74.00	24.56	Peak

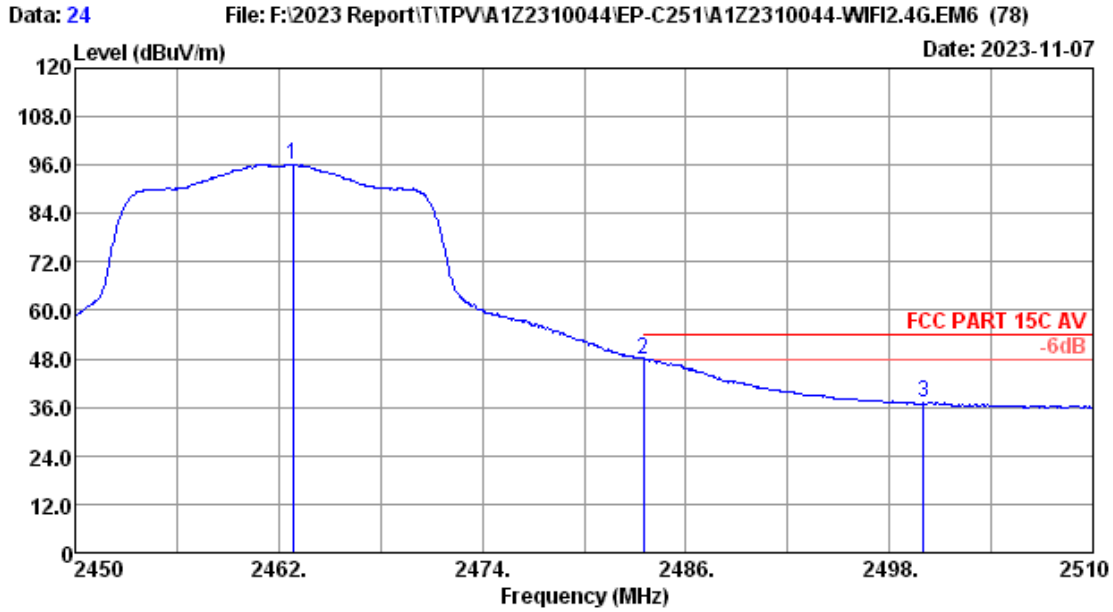
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 23
 Dis. / Ant. : 3m 2023 MCTD1209-3006 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11n20 2462MHz TX

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	2460.98	27.80	4.91	95.18	34.35	93.54	-----	-----	Average
2	2483.50	27.80	4.94	46.58	34.35	44.97	54.00	9.03	Average
3	2500.00	27.80	4.95	36.91	34.35	35.31	54.00	18.69	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. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 21.2*C/50.5% Engineer : nier
 Test Mode : 2.4G 11n20 2462MHz TX

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	2462.84	27.80	4.92	97.87	34.35	96.24	-----	-----	Average
2	2483.50	27.80	4.94	49.60	34.35	47.99	54.00	6.01	Average
3	2500.00	27.80	4.95	38.62	34.35	37.02	54.00	16.98	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 & 99% Bandwidth TEST

7.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Apr.01,23	1 Year
2.	RF Cable	HUBER+SUHNER	SUCOFLE X-106	505238/6	Apr.02,23	1 Year

7.2. Limit

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

7.3. 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.

7.4. Test Results

EUT: Electronic paper display		
M/N: EP-C251		
Test date: 2023-10-30	Pressure: 102.5±1.0 kpa	Humidity: 53.6±3.0%
Tested by: Jason	Test site: RF site	Temperature: 22.4±0.6 °C

-6 dB bandwidth:

Test Mode	CH	-6dB Bandwidth (MHz)	Limit (KHz)
11b	CH1	7.581	≥ 500
	CH6	7.610	
	CH11	7.566	
11g	CH1	15.54	≥ 500
	CH6	15.52	
	CH11	15.19	
11n HT20	CH1	15.19	≥ 500
	CH6	15.22	
	CH11	15.19	

Conclusion: Pass

99% Occupied bandwidth:

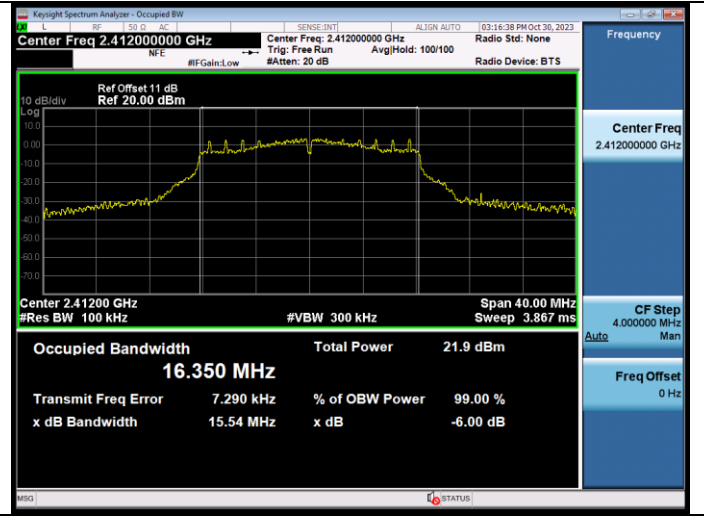
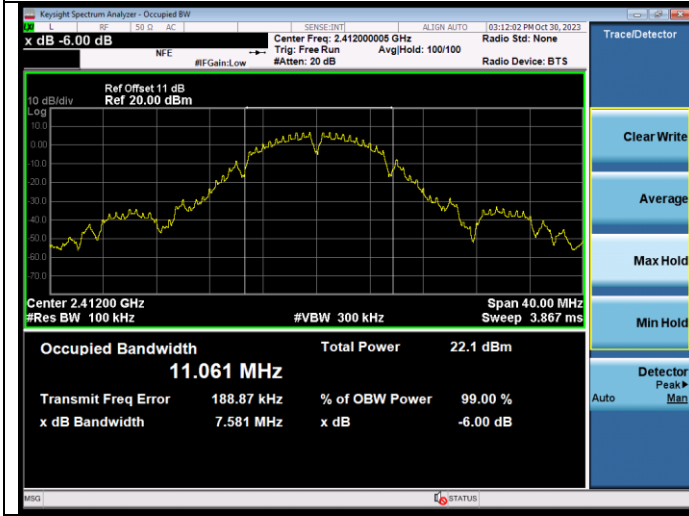
Test Mode	CH	99% Bandwidth (MHz)	Limit (MHz)
11b	CH1	11.013	N/A
	CH6	10.982	
	CH11	11.006	
11g	CH1	16.337	N/A
	CH6	16.342	
	CH11	16.294	
11n HT20	CH1	17.536	N/A
	CH6	17.546	
	CH11	17.471	

Conclusion: Pass

-6 dB bandwidth:

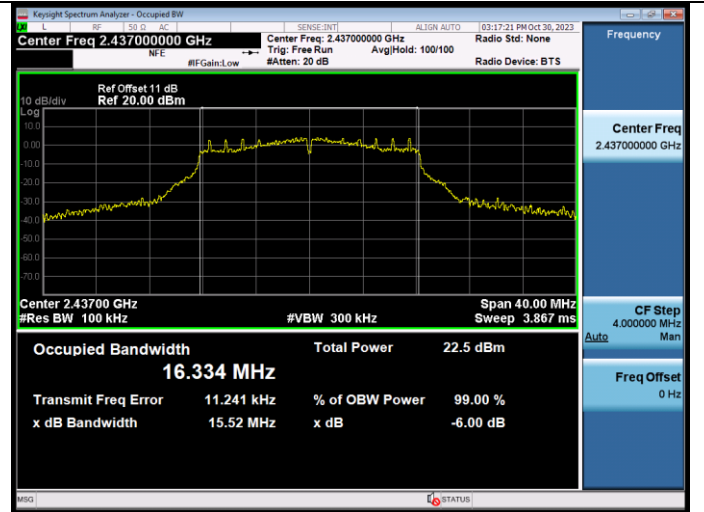
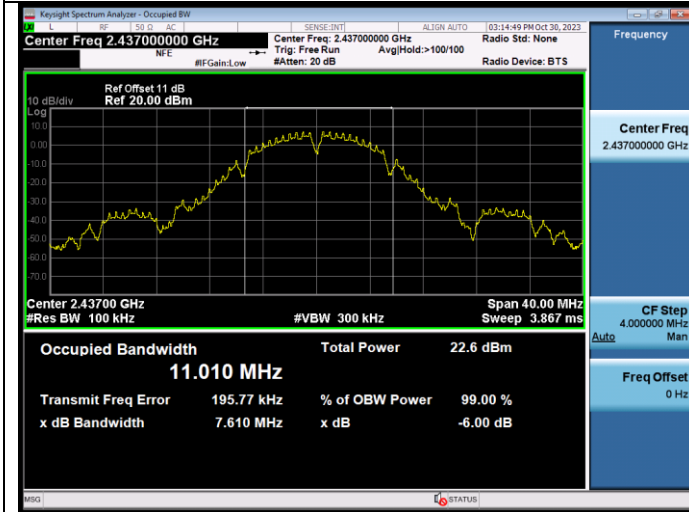
Test Mode: IEEE 802.11b
Test CH1: 2412MHz

Test Mode: IEEE 802.11g
Test CH1: 2412MHz



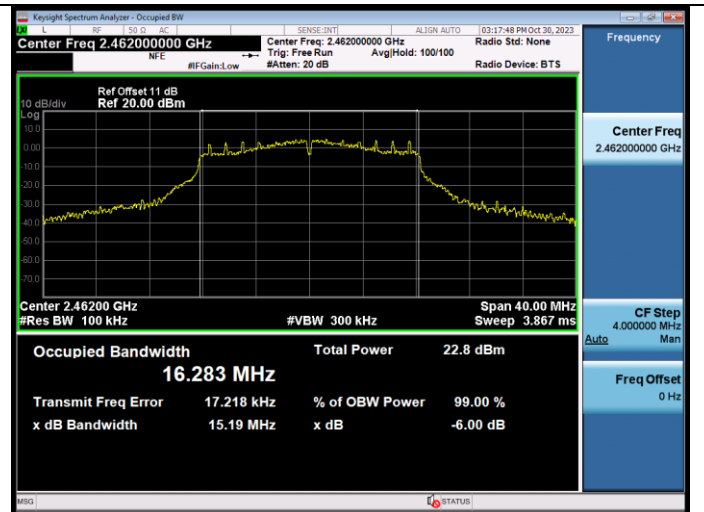
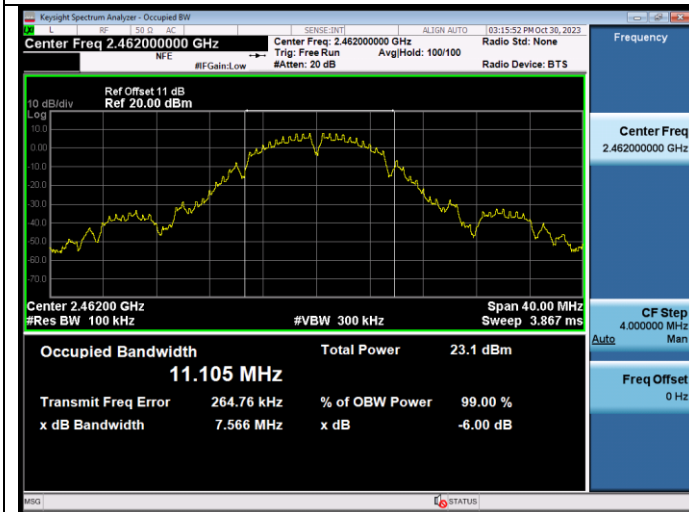
Test CH6: 2437MHz

Test CH6: 2437MHz



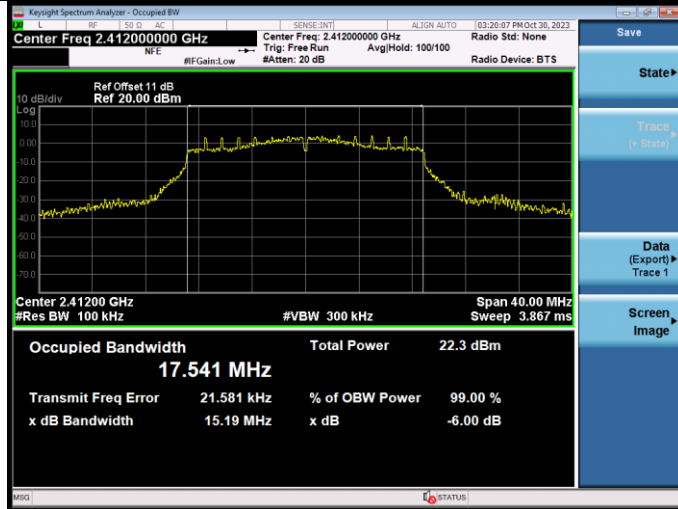
Test CH11: 2462MHz

Test CH11: 2462MHz

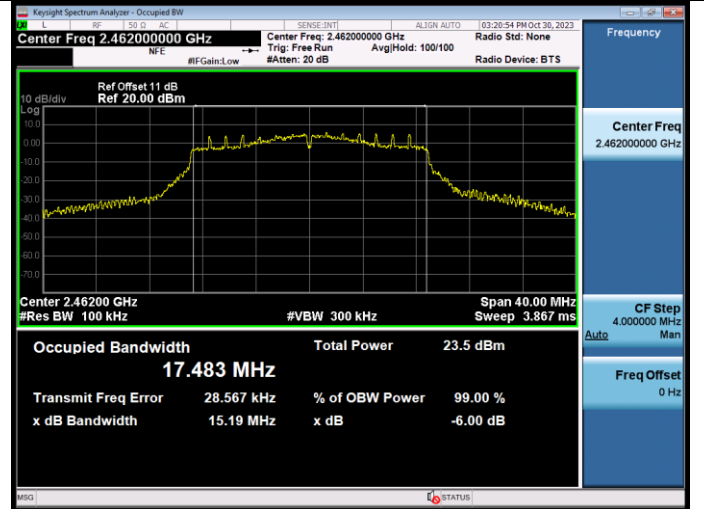


Test Mode: IEEE 802.11n HT20

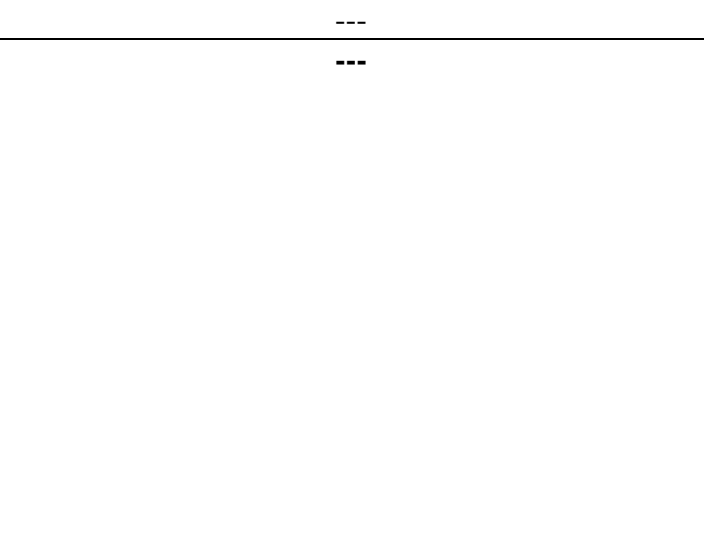
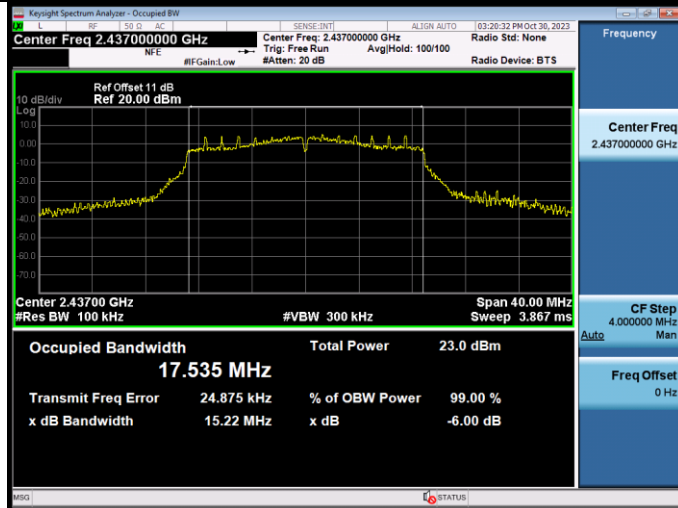
Test CH1: 2412MHz



Test CH11: 2462MHz



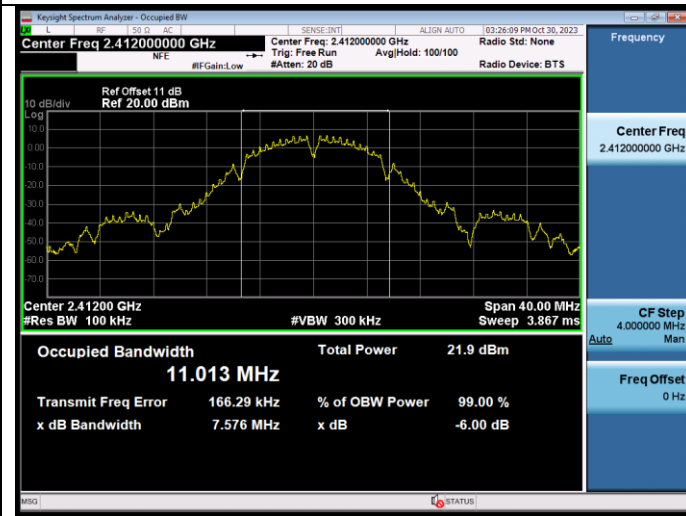
Test CH6: 2437MHz



99% Occupied bandwidth:

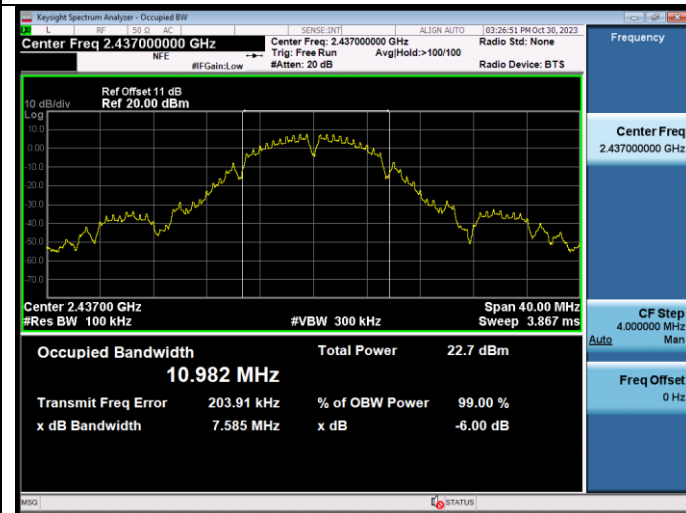
Test Mode: IEEE 802.11b
Test CH1: 2412MHz

Test Mode: IEEE 802.11g
Test CH1: 2412MHz



Test CH6: 2437MHz

Test CH6: 2437MHz



Test CH11: 2462MHz

Test CH11: 2462MHz

