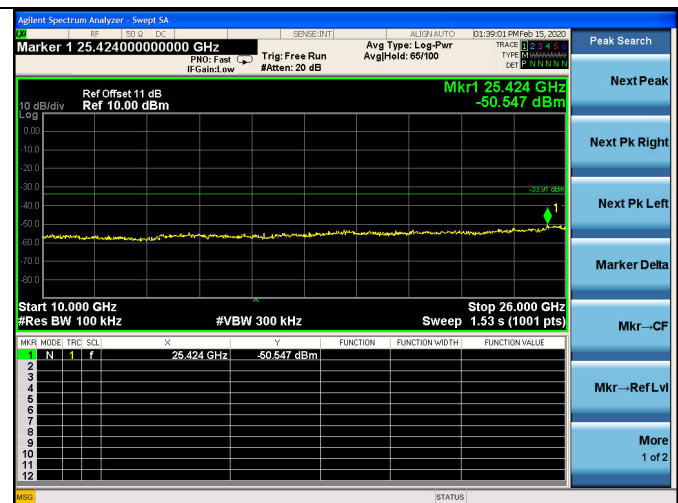
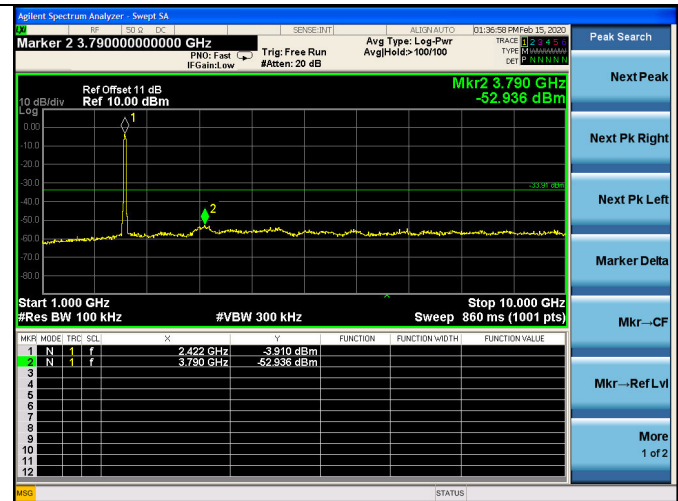
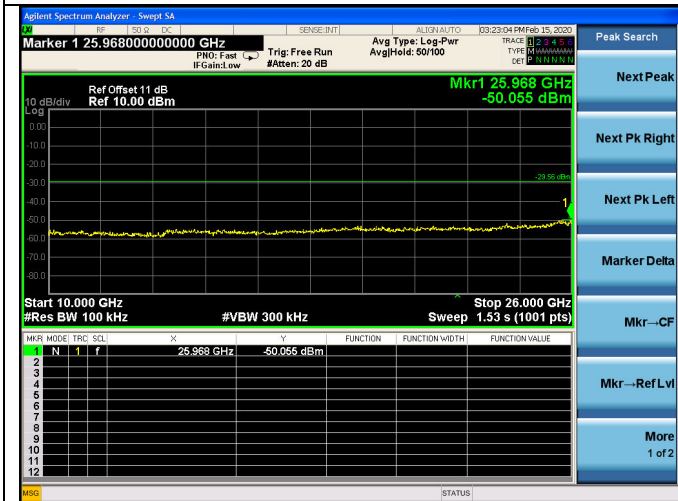
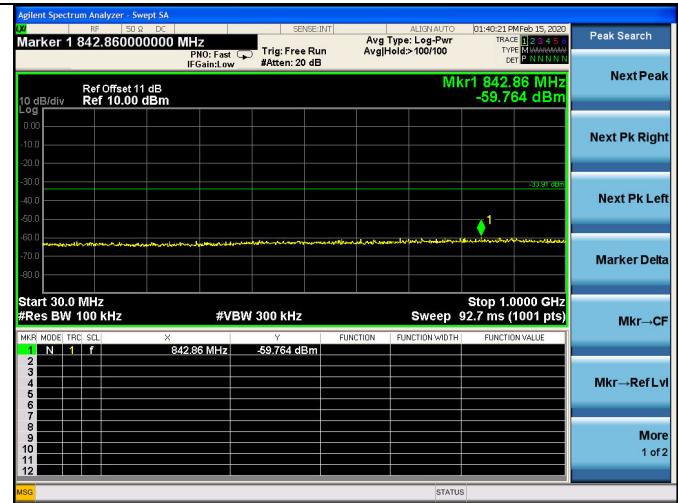
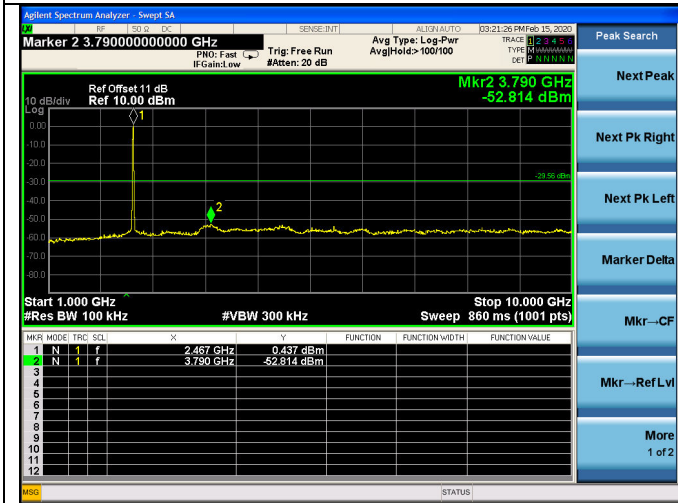
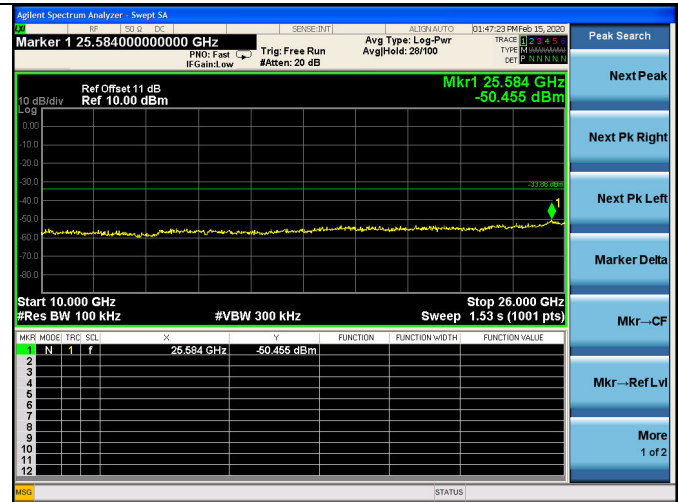
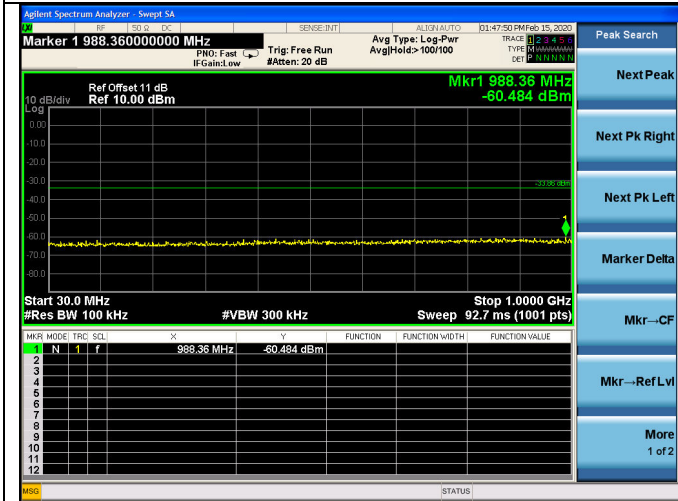


Test Mode: IEEE 802.11n HT40
Test CH1: 2422MHz

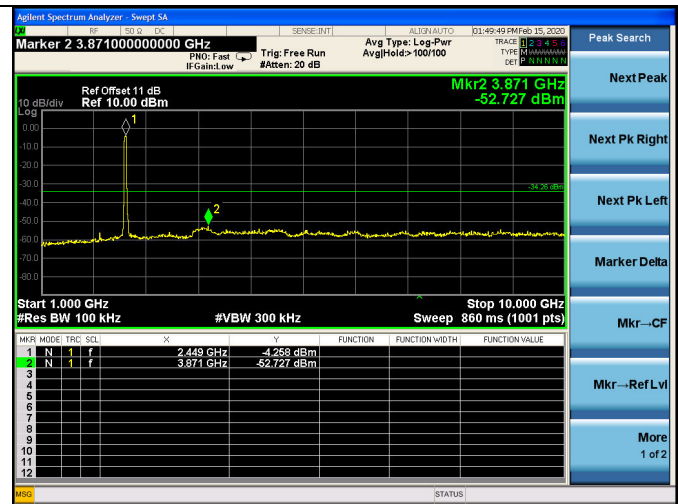
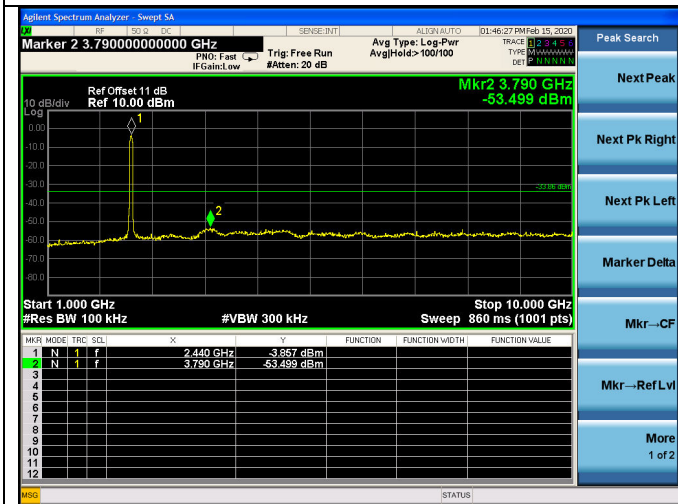
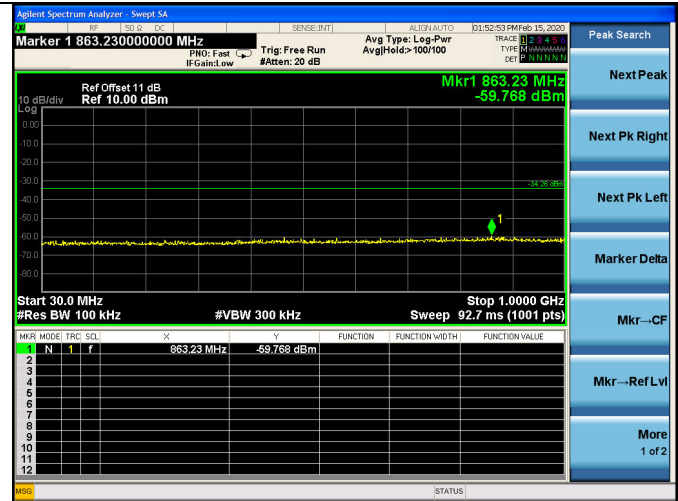


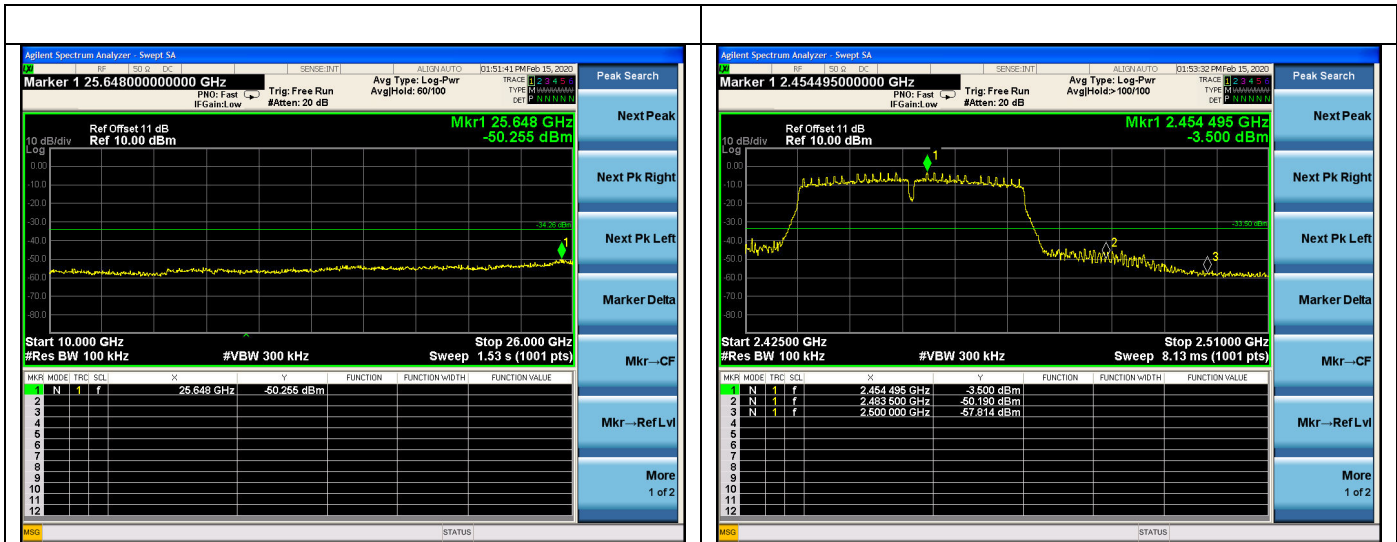


Test CH1: 2437MHz



Test CH1: 2452MHz





6. BAND EDGE COMPLIANCE TEST

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Jun.30,19	1 Year
2.	Amplifier	Agilent	8449B	3008A02495	Apr.23,19	1 Year
3.	Horn Antenna	ETC	MCTD 1209	DRH15F03007	Jun.17,19	1 Year
4.	RF Cable	EMCI	EMC102-KM-KM 3500	170702	May.13,19	1 Year

6.2. Limit

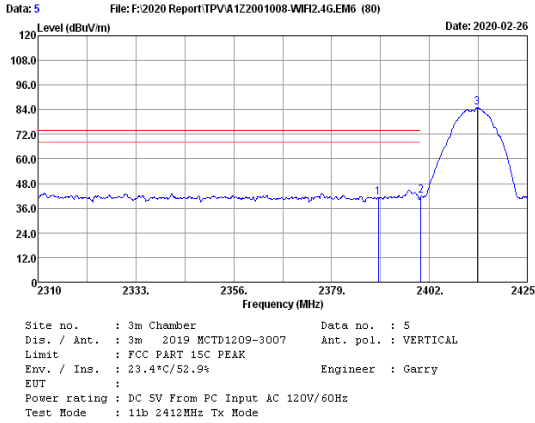
All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental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

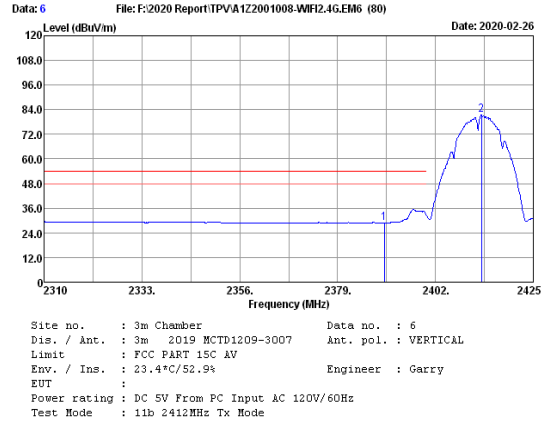
6.4. Test Results

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



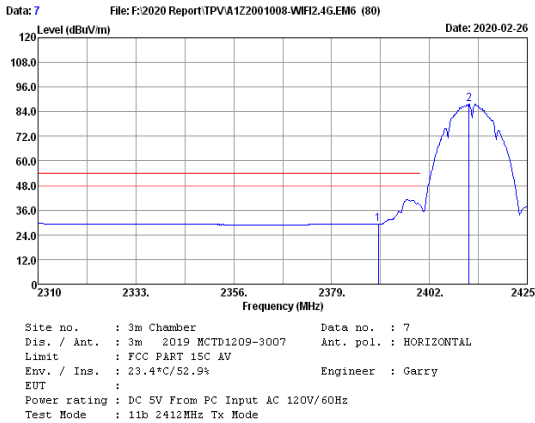
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	45.44	41.14	74.00	32.86	Peak
2	2400.00	27.70	3.04	35.04	46.29	41.99	74.00	32.01	Peak
3	2413.27	27.77	3.05	35.04	89.07	84.85	-----	-----	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.



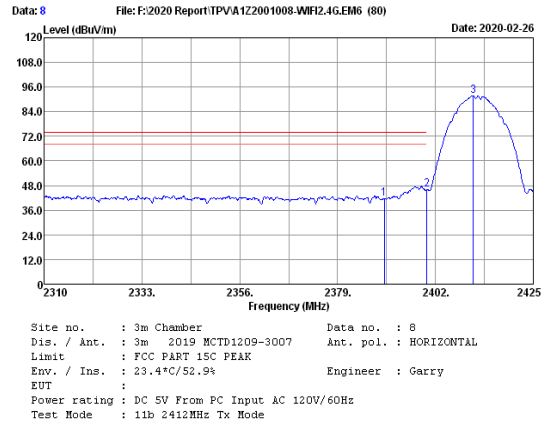
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	33.22	28.92	54.00	25.08	Average
2	2412.81	27.77	3.05	35.04	85.58	81.36	-----	-----	Average

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.



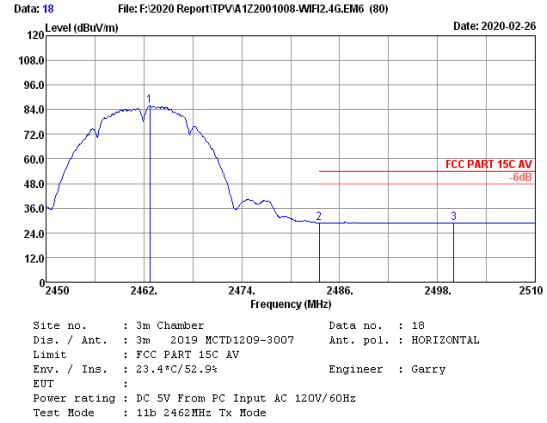
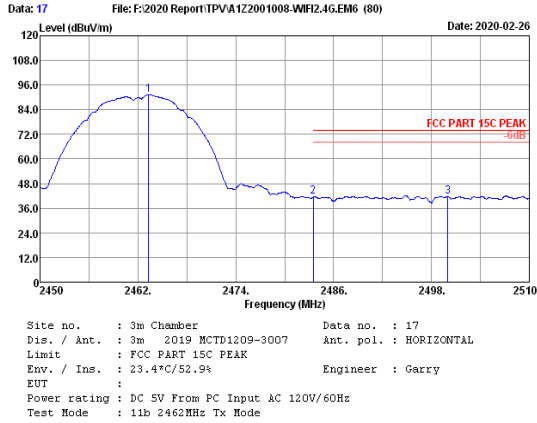
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	33.48	29.18	54.00	24.82	Average
2	2411.32	27.77	3.05	35.04	92.05	87.83	-----	-----	Average

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.



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	45.97	41.67	74.00	32.33	Peak
2	2400.00	27.70	3.04	35.04	50.56	46.26	74.00	27.74	Peak
3	2410.86	27.77	3.05	35.04	95.97	91.75	-----	-----	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.

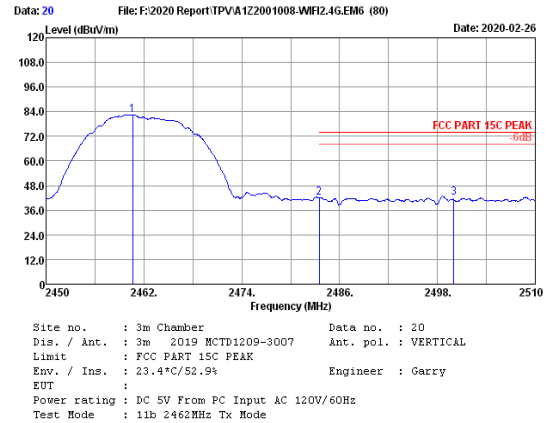
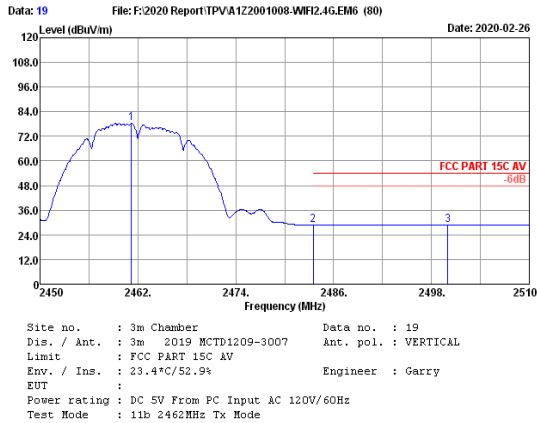


No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.32	27.97	3.09	35.02	95.10	91.14	---	---	Peak
2	2483.50	28.03	3.10	35.01	45.31	41.43	74.00	32.57	Peak
3	2500.00	28.10	3.11	35.00	45.42	41.63	74.00	32.37	Peak

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.

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.72	27.97	3.09	35.02	89.74	85.78	---	---	Average
2	2483.50	28.03	3.10	35.01	32.79	28.91	54.00	25.09	Average
3	2500.00	28.10	3.11	35.00	32.63	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.

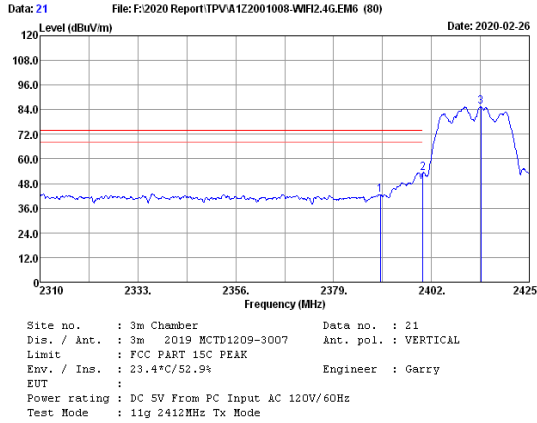


No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.22	27.97	3.09	35.02	82.24	78.28	---	---	Average
2	2483.50	28.03	3.10	35.01	32.60	28.72	54.00	25.28	Average
3	2500.00	28.10	3.11	35.00	32.49	28.70	54.00	25.30	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.

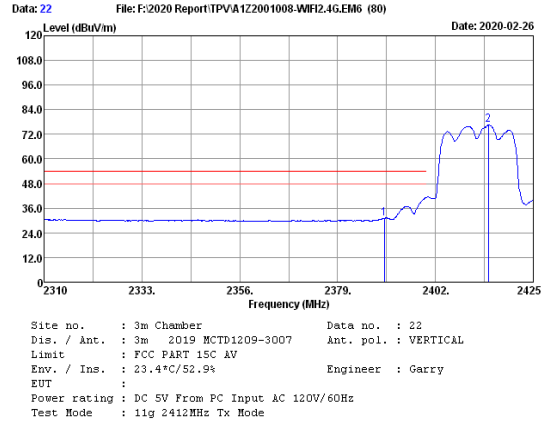
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2460.62	27.97	3.09	35.02	86.45	82.49	---	---	Peak
2	2483.50	28.03	3.10	35.01	45.80	41.92	74.00	32.08	Peak
3	2500.00	28.10	3.11	35.00	45.71	41.92	74.00	32.08	Peak

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.



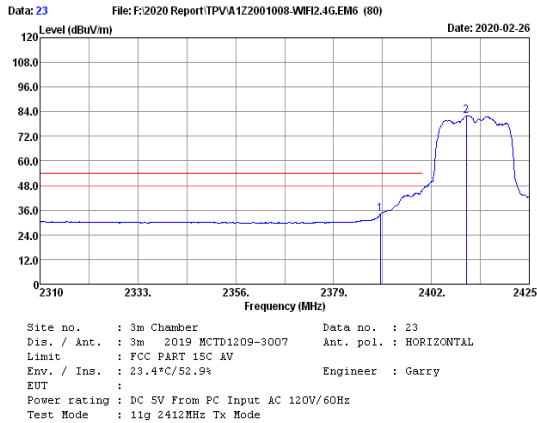
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	46.78	42.48	74.00	31.52	Peak
2	2400.00	27.70	3.04	35.04	57.41	53.11	74.00	20.89	Peak
3	2413.62	27.77	3.05	35.04	89.58	85.36			Peak

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.



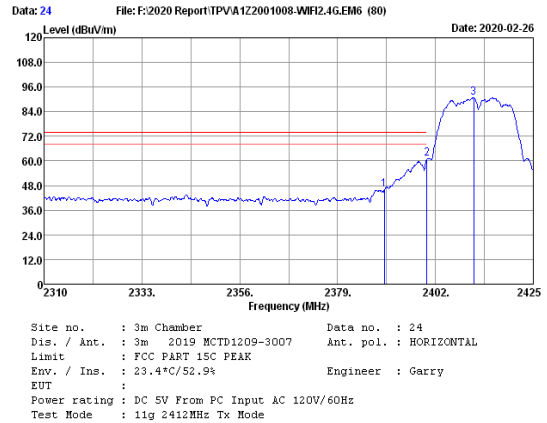
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	35.21	30.91	54.00	23.09	Average
2	2414.42	27.77	3.05	35.04	80.86	76.64			Average

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.



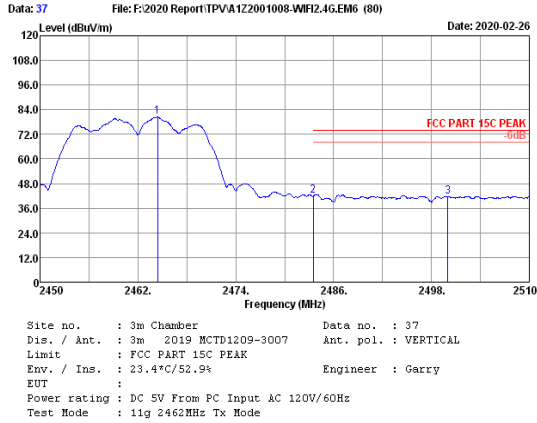
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	38.58	34.28	54.00	19.72	Average
2	2410.17	27.77	3.05	35.04	86.24	82.02			Average

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.



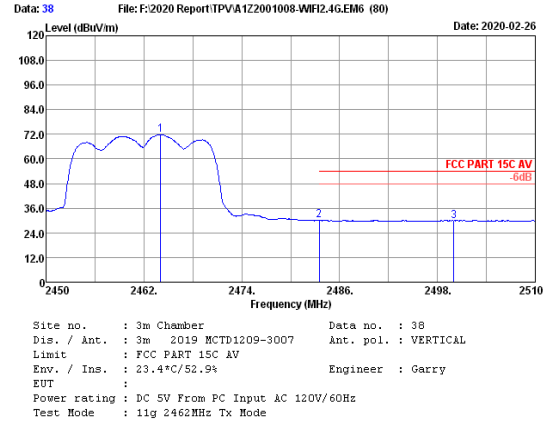
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	50.48	46.18	74.00	27.82	Peak
2	2400.00	27.70	3.04	35.04	65.26	60.96	74.00	13.04	Peak
3	2410.97	27.77	3.05	35.04	95.10	90.88			Peak

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.



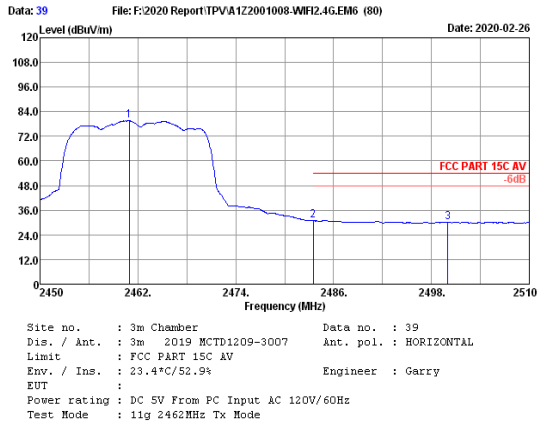
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2464.40	27.97	3.09	35.02	84.35	80.39	74.00	32.13	Peak
2	2483.50	28.03	3.10	35.01	45.75	41.87	74.00	32.13	Peak
3	2500.00	28.10	3.11	35.00	45.59	41.80	74.00	32.20	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.



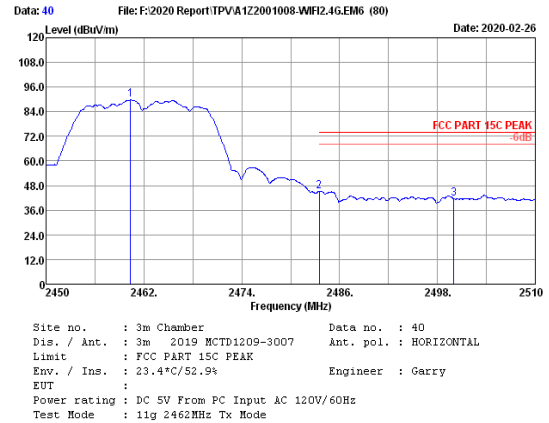
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2464.04	27.97	3.09	35.02	75.84	71.88	54.00	23.95	Average
2	2483.50	28.03	3.10	35.01	33.93	30.05	54.00	23.95	Average
3	2500.00	28.10	3.11	35.00	33.68	29.89	54.00	24.11	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.



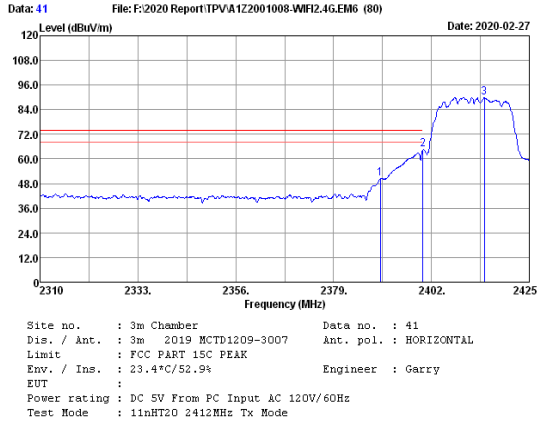
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2460.92	27.97	3.09	35.02	83.55	79.59	54.00	23.80	Average
2	2483.50	28.03	3.10	35.01	34.80	30.92	54.00	23.08	Average
3	2500.00	28.10	3.11	35.00	33.99	30.20	54.00	23.80	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.



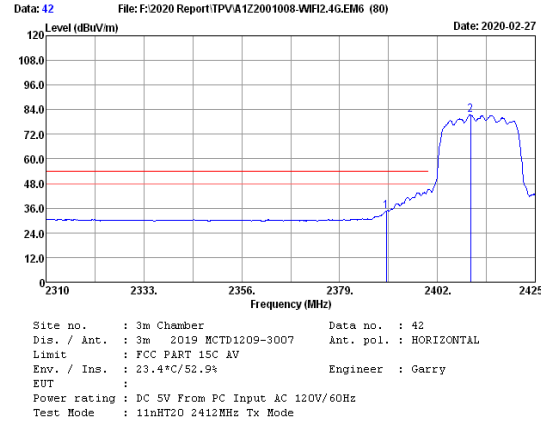
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2460.38	27.97	3.09	35.02	93.64	89.68	74.00	28.73	Peak
2	2483.50	28.03	3.10	35.01	49.15	45.27	74.00	28.73	Peak
3	2500.00	28.10	3.11	35.00	45.33	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.



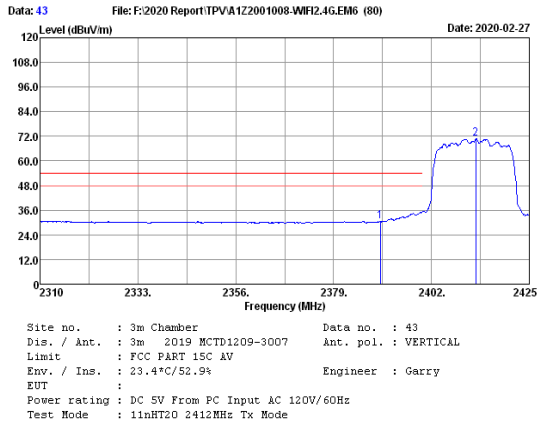
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	54.74	50.44	74.00	23.56	Peak
2	2400.00	27.70	3.04	35.04	68.93	64.63	74.00	9.37	Peak
3	2414.42	27.77	3.05	35.04	94.18	89.96	-----	-----	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.



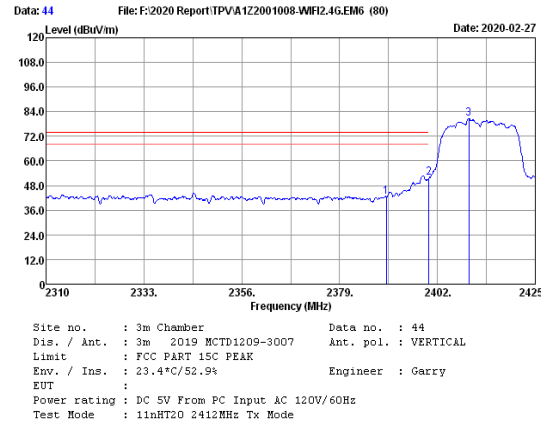
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	39.02	34.72	54.00	19.28	Average
2	2409.82	27.77	3.05	35.04	85.87	81.65	-----	-----	Average

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.



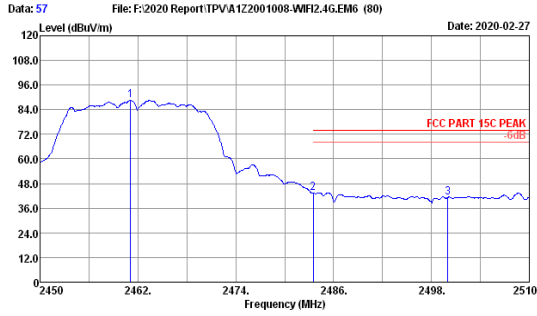
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	34.75	30.45	54.00	23.55	Average
2	2412.47	27.77	3.05	35.04	74.93	70.71	-----	-----	Average

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.



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	47.01	42.71	74.00	31.29	Peak
2	2400.00	27.70	3.04	35.04	56.31	52.01	74.00	21.99	Peak
3	2409.36	27.77	3.05	35.04	85.00	80.78	-----	-----	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.

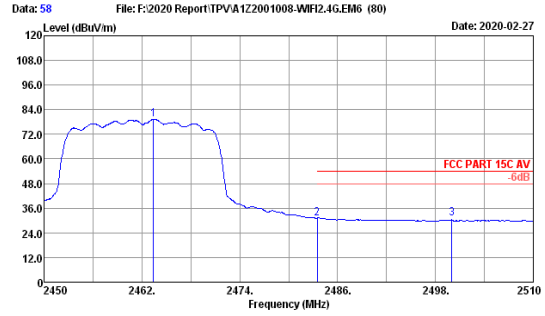


Data: 57 File: F:\2020 Report\TPVA122001008-WF12.4G.EM6 (80) Date: 2020-02-27

Site no. : 3m Chamber Data no. : 57
 Dis. / Ant. : 3m 2019 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.4°C/52.9% Engineer : Garry
 EUT :
 Power rating : DC 5V From PC Input AC 120V/60Hz
 Test Mode : 11nHT20 2462MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.10	27.97	3.09	35.02	92.51	88.55	74.00	30.51	Peak
2	2483.50	28.03	3.10	35.01	47.37	43.49	74.00	30.51	Peak
3	2500.00	28.10	3.11	35.00	45.04	41.25	74.00	32.75	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.

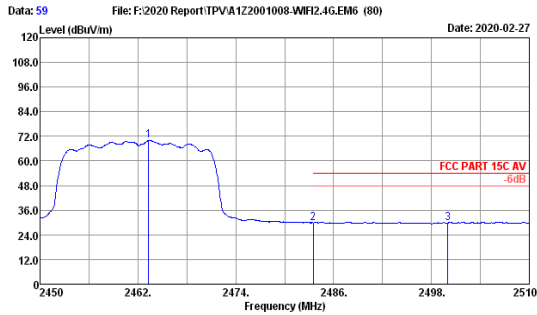


Data: 58 File: F:\2020 Report\TPVA122001008-WF12.4G.EM6 (80) Date: 2020-02-27

Site no. : 3m Chamber Data no. : 58
 Dis. / Ant. : 3m 2019 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.4°C/52.9% Engineer : Garry
 EUT :
 Power rating : DC 5V From PC Input AC 120V/60Hz
 Test Mode : 11nHT20 2462MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.44	27.97	3.09	35.02	83.39	79.43	54.00	22.90	Average
2	2483.50	28.03	3.10	35.01	34.98	31.10	54.00	22.90	Average
3	2500.00	28.10	3.11	35.00	34.89	31.10	54.00	22.90	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.

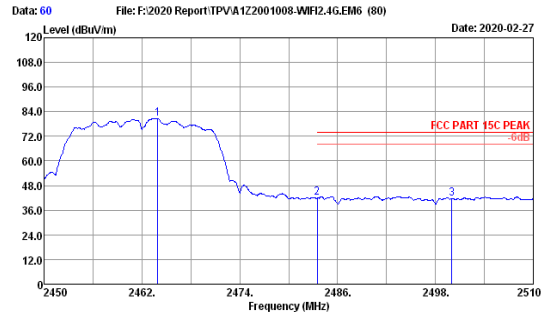


Data: 59 File: F:\2020 Report\TPVA122001008-WF12.4G.EM6 (80) Date: 2020-02-27

Site no. : 3m Chamber Data no. : 59
 Dis. / Ant. : 3m 2019 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.4°C/52.9% Engineer : Garry
 EUT :
 Power rating : DC 5V From PC Input AC 120V/60Hz
 Test Mode : 11nHT20 2462MHz Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.32	27.97	3.09	35.02	73.98	70.02	54.00	24.12	Average
2	2483.50	28.03	3.10	35.01	33.76	29.88	54.00	24.19	Average
3	2500.00	28.10	3.11	35.00	33.60	29.81	54.00	24.19	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.

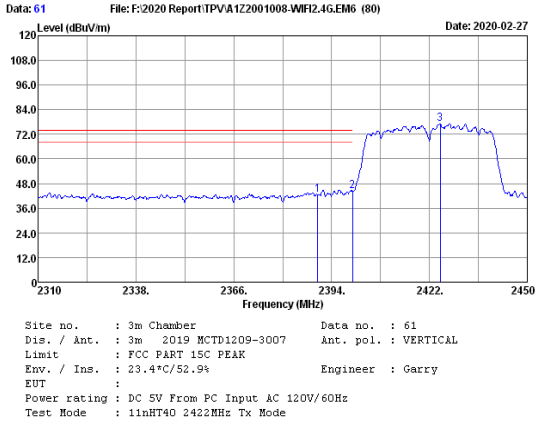


Data: 60 File: F:\2020 Report\TPVA122001008-WF12.4G.EM6 (80) Date: 2020-02-27

Site no. : 3m Chamber Data no. : 60
 Dis. / Ant. : 3m 2019 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.4°C/52.9% Engineer : Garry
 EUT :
 Power rating : DC 5V From PC Input AC 120V/60Hz
 Test Mode : 11nHT20 2462MHz Tx Mode

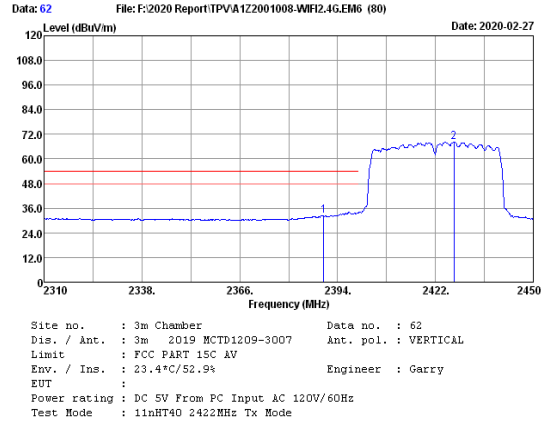
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.92	27.97	3.09	35.02	84.72	80.76	74.00	32.07	Peak
2	2483.50	28.03	3.10	35.01	45.81	41.93	74.00	32.07	Peak
3	2500.00	28.10	3.11	35.00	45.30	41.51	74.00	32.49	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.



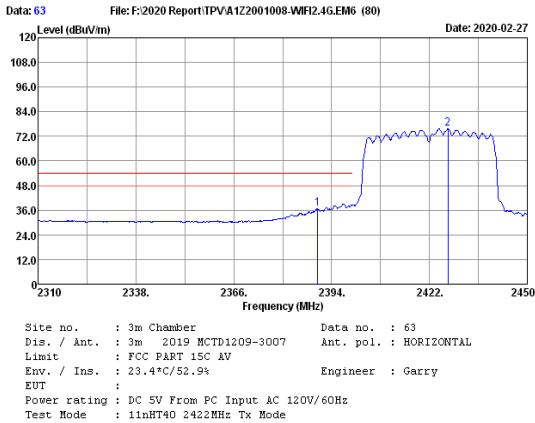
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	46.96	42.66	74.00	31.34	Peak
2	2400.00	27.70	3.04	35.04	48.45	44.15	74.00	29.85	Peak
3	2425.08	27.83	3.07	35.03	81.32	77.19	-----	-----	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.



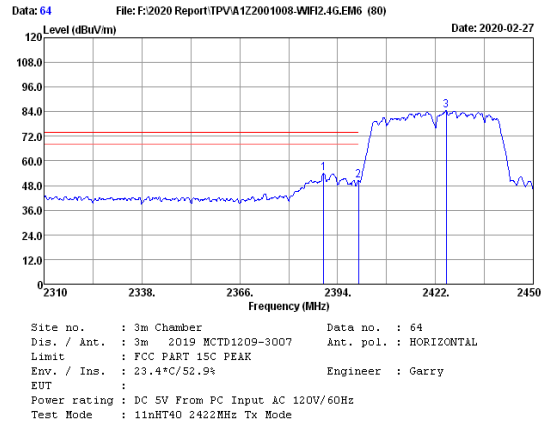
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	36.42	32.12	54.00	21.88	Average
2	2427.32	27.83	3.07	35.03	72.45	68.32	-----	-----	Average

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.



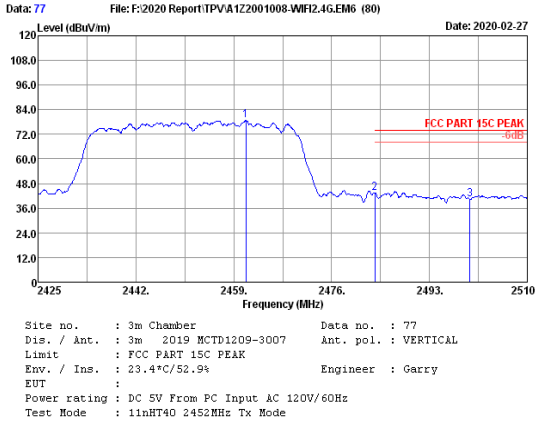
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	40.93	36.63	54.00	17.37	Average
2	2427.32	27.83	3.07	35.03	79.89	75.76	-----	-----	Average

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.



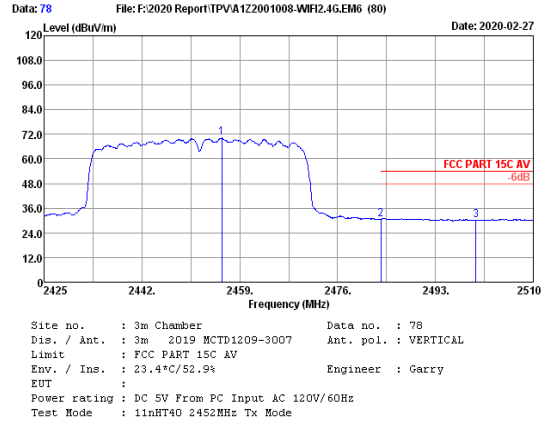
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.70	3.04	35.04	58.24	53.94	74.00	20.06	Peak
2	2400.00	27.70	3.04	35.04	54.85	50.55	74.00	23.45	Peak
3	2425.08	27.83	3.07	35.03	88.60	84.47	-----	-----	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.



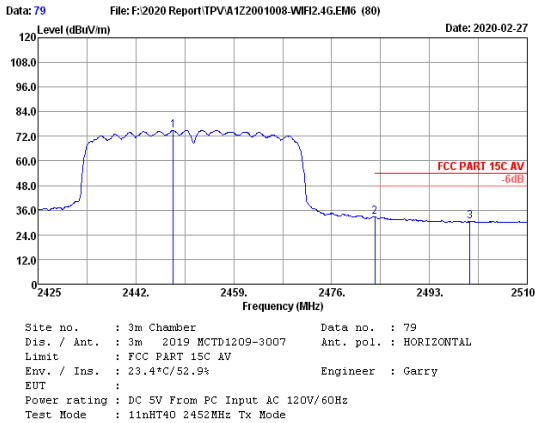
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.13	27.97	3.09	35.02	82.78	78.82	---	---	Peak
2	2483.50	28.03	3.10	35.01	47.45	43.57	74.00	30.43	Peak
3	2500.00	28.10	3.11	35.00	44.30	40.51	74.00	33.49	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.



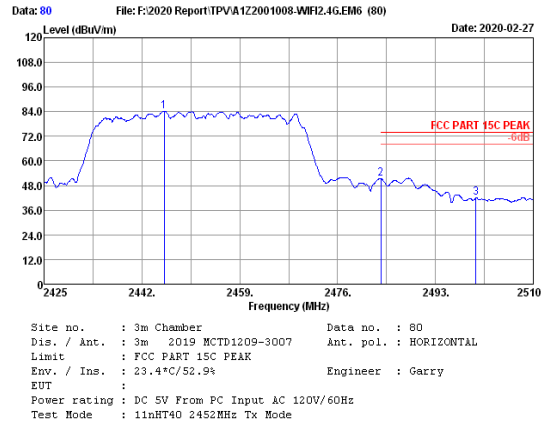
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2455.86	27.97	3.09	35.02	74.15	70.19	---	---	Average
2	2483.50	28.03	3.10	35.01	34.49	30.61	54.00	23.39	Average
3	2500.00	28.10	3.11	35.00	33.85	30.06	54.00	23.94	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.



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2448.46	27.90	3.08	35.02	79.08	75.04	---	---	Average
2	2483.50	28.03	3.10	35.01	36.65	32.77	54.00	21.23	Average
3	2500.00	28.10	3.11	35.00	34.14	30.35	54.00	23.65	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.



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2445.91	27.90	3.08	35.02	88.26	84.22	---	---	Peak
2	2483.50	28.03	3.10	35.01	55.33	51.45	74.00	22.55	Peak
3	2500.00	28.10	3.11	35.00	45.65	41.86	74.00	32.14	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.

7. 6dB Bandwidth Test

7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Jun.30,19	1 Year
2.	Attenuator	Agilent	8491B	MY39269201	Oct.13,19	1 Year
3.	RF Cable	EMCI	EMC102-KM-KM 3500	170702	May.13,19	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: WiFi +BT module		
M/N: WCT5GM2511		
Test date: 2020-02-15	Pressure: 102.3±1.0 kpa	Humidity: 53.6±3.0%
Tested by: Lynn	Test site: RF site	Temperature: 25.5±0.6 °C

Test Mode	CH	6dB bandwidth (MHz)		Limit (kHz)
		ANTA	ANTB	
11b	CH1	8.119	9.091	≥500
	CH6	9.097	9.091	≥500
	CH11	9.097	8.108	≥500
11g	CH1	15.14	15.14	≥500
	CH6	14.48	15.13	≥500
	CH11	15.15	15.16	≥500
11n HT20	CH1	16.32	15.15	≥500
	CH6	15.72	15.08	≥500
	CH11	16.32	15.15	≥500
11n HT40	CH3	35.18	35.16	≥500
	CH6	35.18	35.18	≥500
	CH9	35.18	35.18	≥500
Conclusion : PASS				

