

## Appendix A: Test Results of Wi-Fi 802.11 b/g/n

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**Appendix A.1: Test Results of Conducted Power Spectral Density**

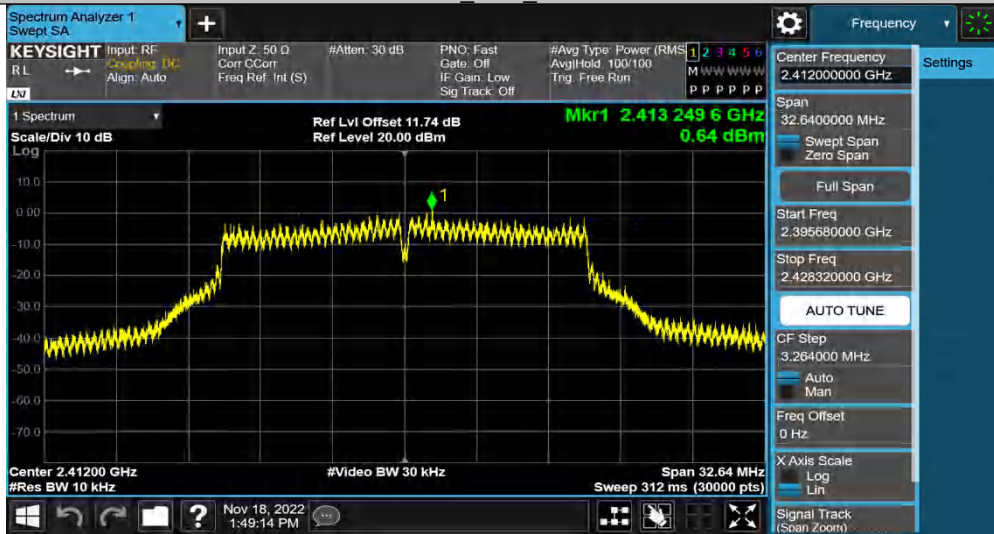
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	1.47	≤8.00	PASS
		2437	1.22	≤8.00	PASS
		2462	1.77	≤8.00	PASS
11G	Ant0	2412	0.64	≤8.00	PASS
		2437	0.47	≤8.00	PASS
		2462	-1.46	≤8.00	PASS
11N20SISO	Ant0	2412	-3.59	≤8.00	PASS
		2437	-3.28	≤8.00	PASS
		2462	-3.56	≤8.00	PASS

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	1.76	≤8.00	PASS
		2437	1.51	≤8.00	PASS
		2462	1.07	≤8.00	PASS
11G	Ant1	2412	-0.49	≤8.00	PASS
		2437	-0.72	≤8.00	PASS
		2462	-0.37	≤8.00	PASS
11N20SISO	Ant1	2412	-4.1	≤8.00	PASS
		2437	-3.81	≤8.00	PASS
		2462	-3.52	≤8.00	PASS

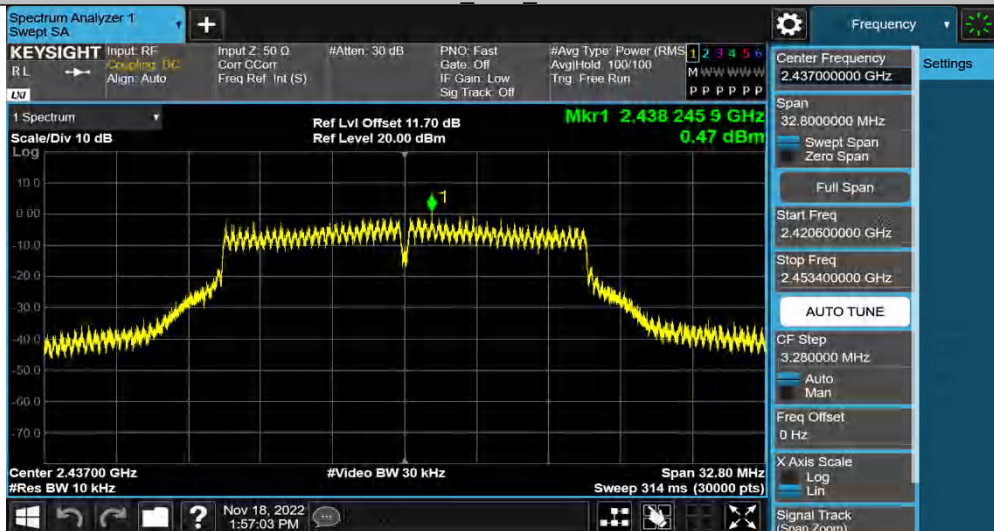
Ant 0:



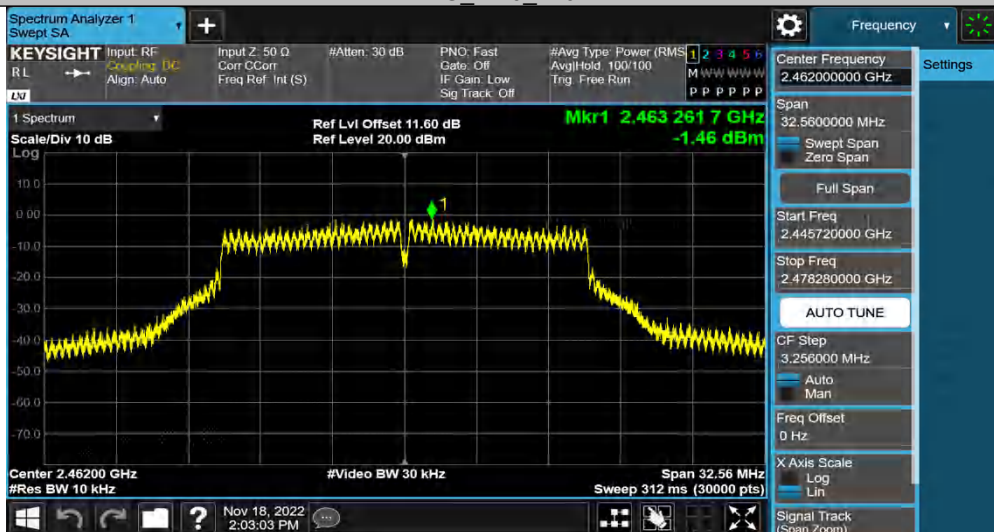
11G\_Ant0\_2412



11G\_Ant0\_2437

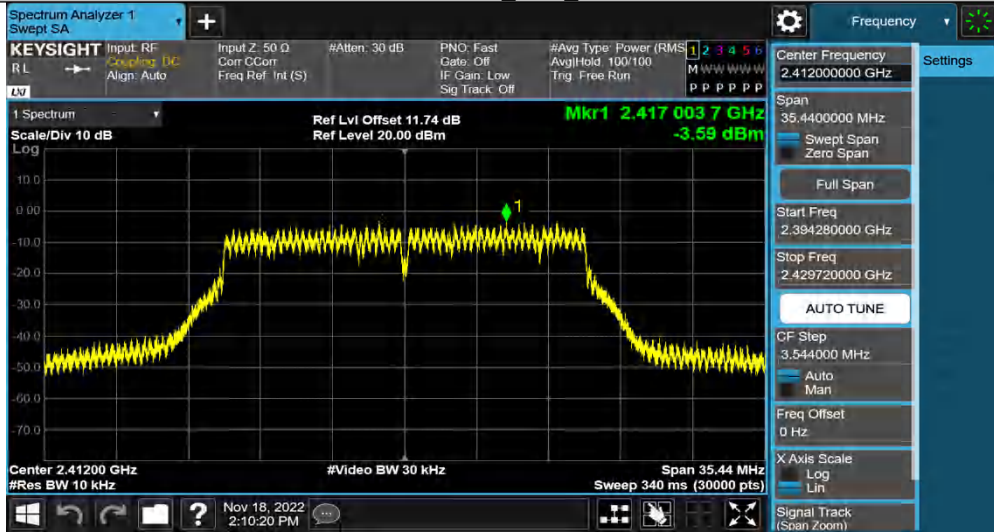


11G\_Ant0\_2462

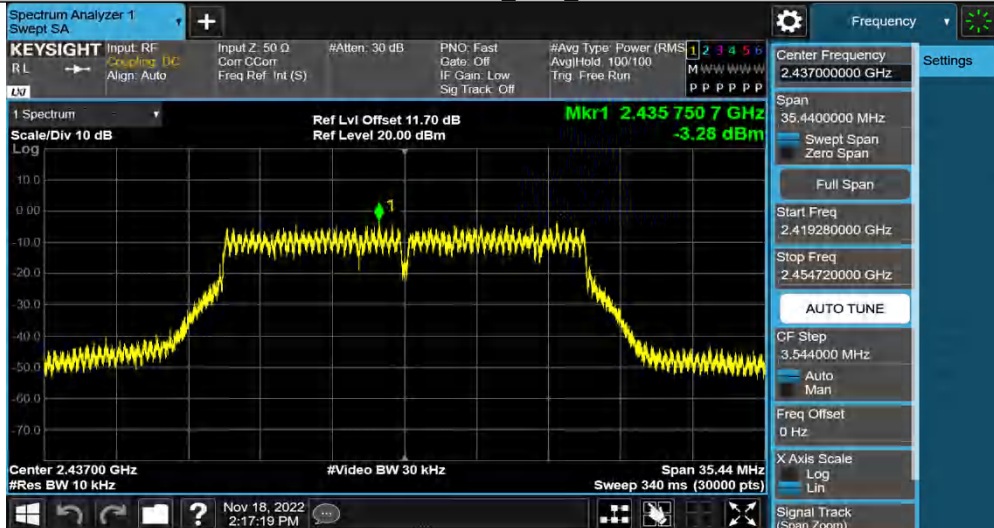




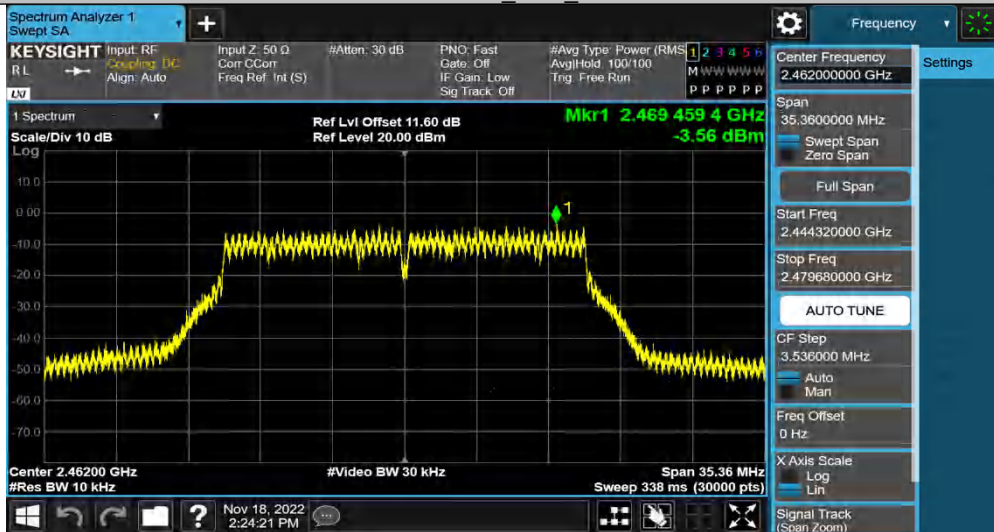
11N20SISO Ant0 2412



11N20SISO Ant0 2437



11N20SISO Ant0 2462



Ant 1:



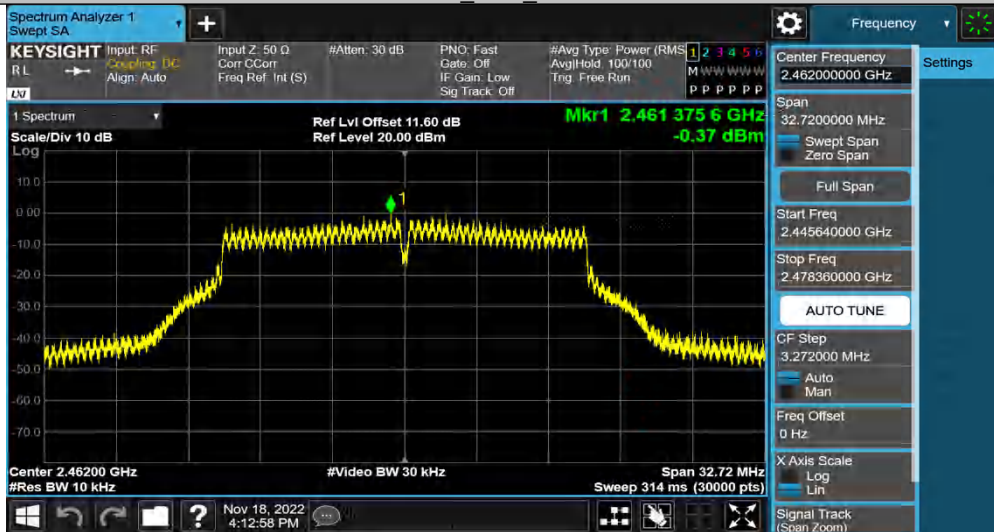
11G\_Ant1\_2412



11G\_Ant1\_2437

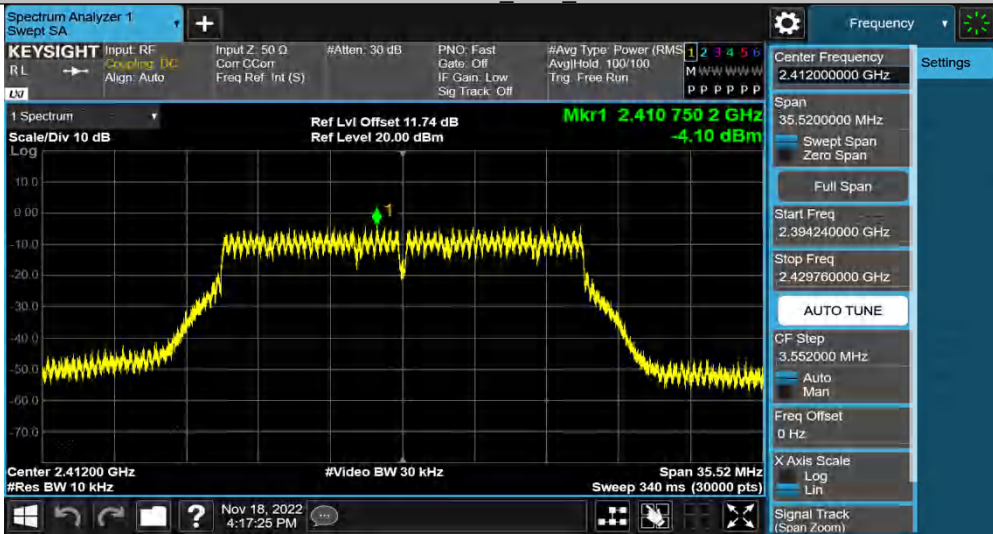


11G\_Ant1\_2462

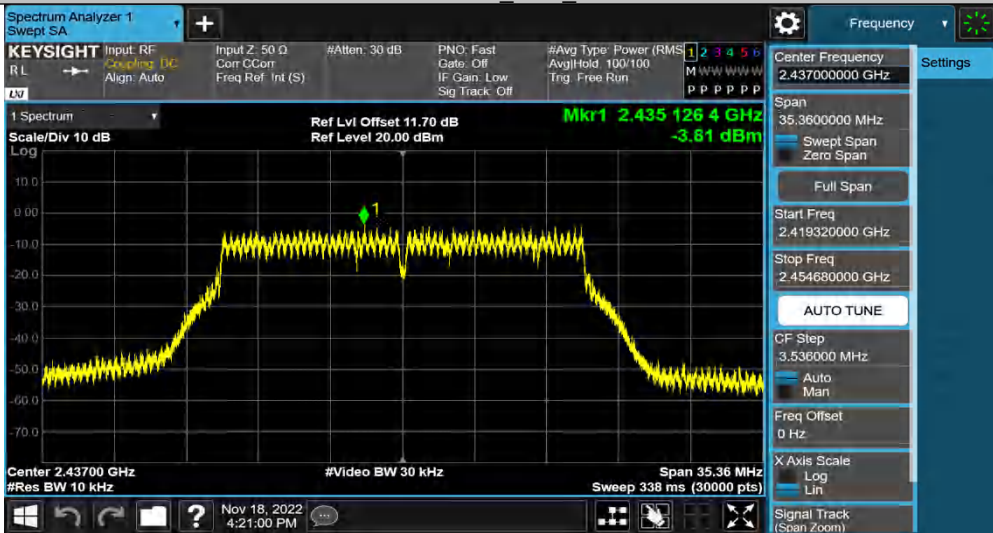




11N20SISO Ant1 2412



11N20SISO Ant1 2437



11N20SISO Ant1 2462





### Appendix A.2: Test Results of 6dB Bandwidth

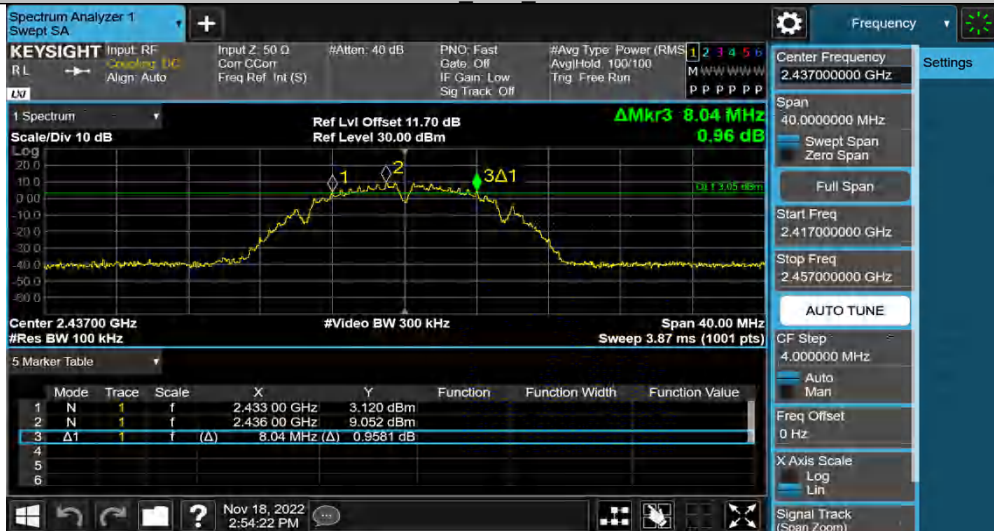
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.560	2408.000	2415.560	0.5	PASS
		2437	8.040	2433.000	2441.040	0.5	PASS
		2462	8.040	2458.000	2466.040	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.760	2403.120	2420.880	0.5	PASS
		2437	17.680	2428.200	2445.880	0.5	PASS
		2462	17.720	2453.160	2470.880	0.5	PASS

Both ports tested, only the worst-case reported.

11B Ant1 2412



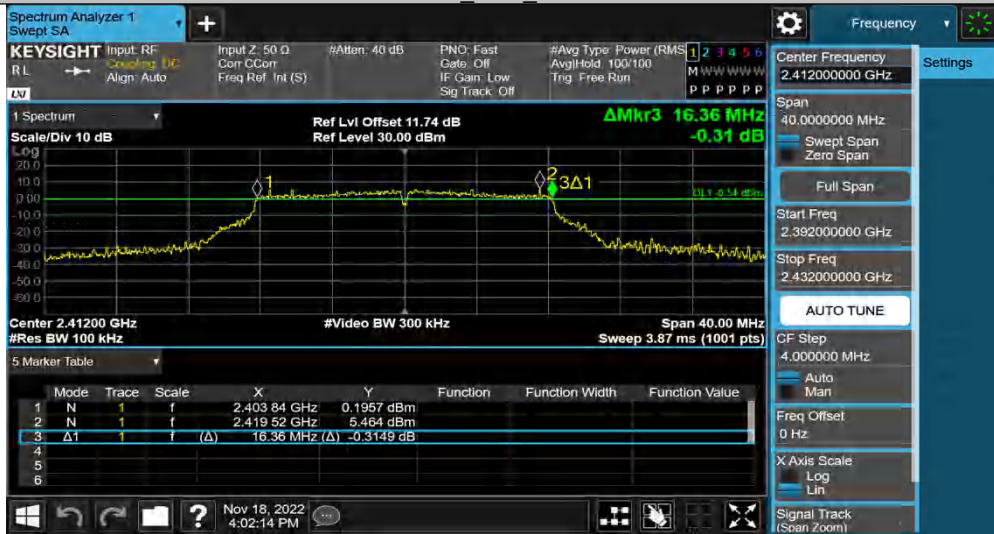
11B Ant1 2437



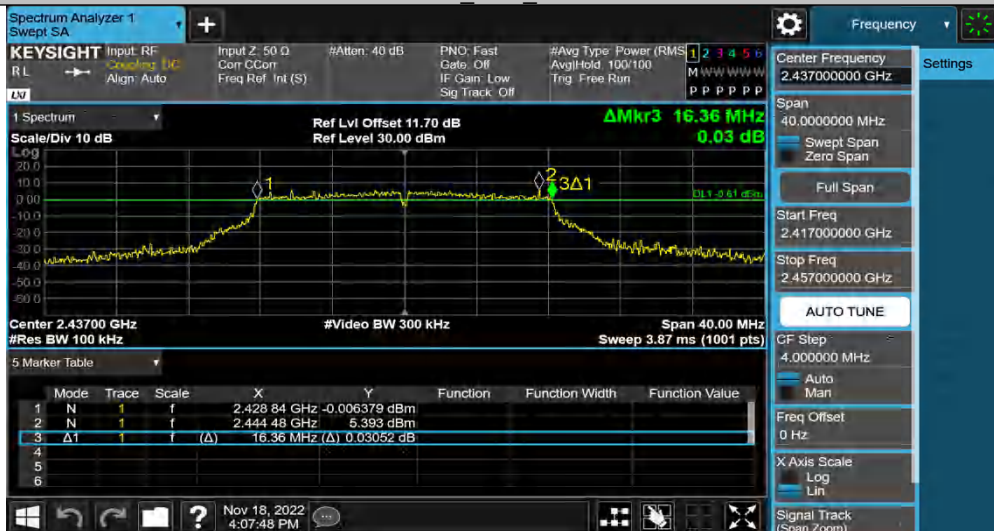
11B Ant1 2462



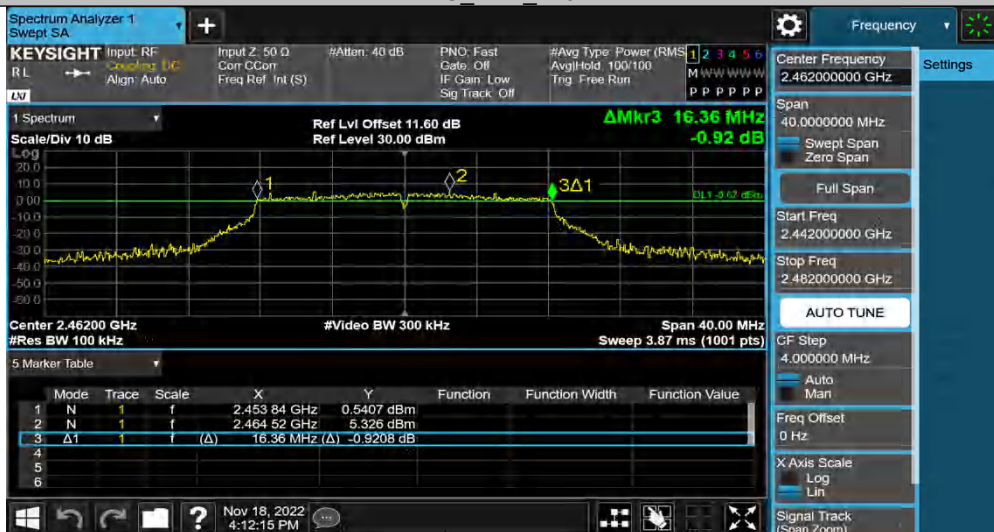
11G Ant1\_2412



11G Ant1\_2437

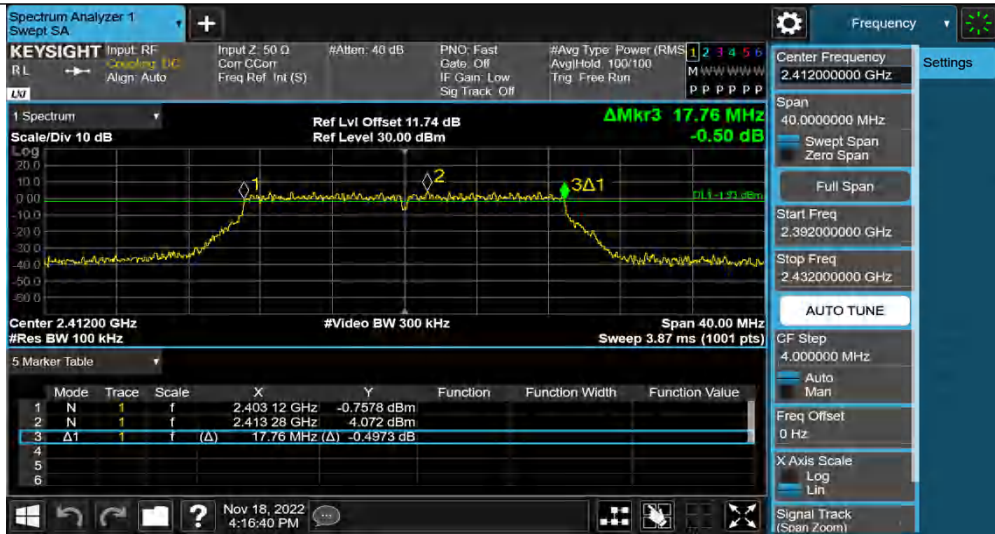


11G Ant1\_2462

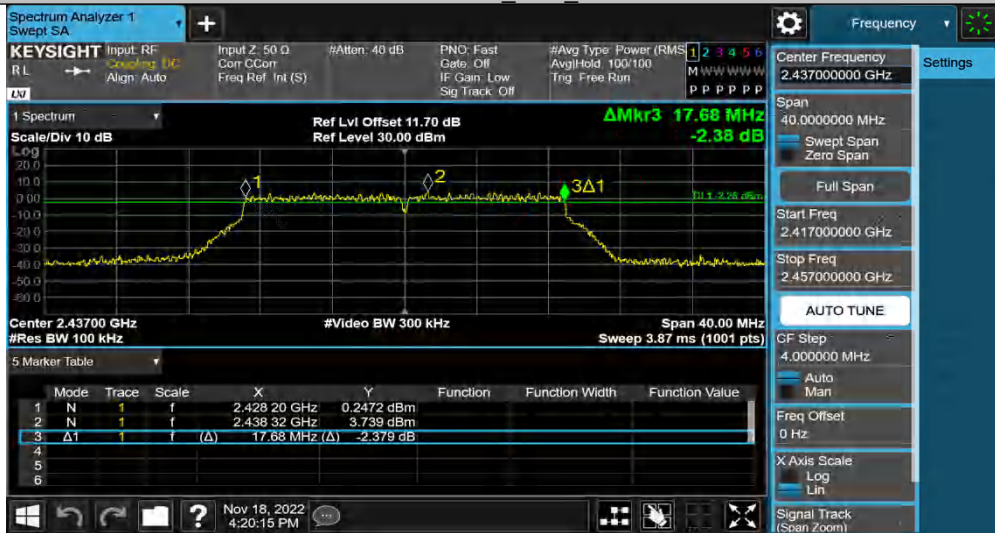


11N20SISO\_Ant1\_2412

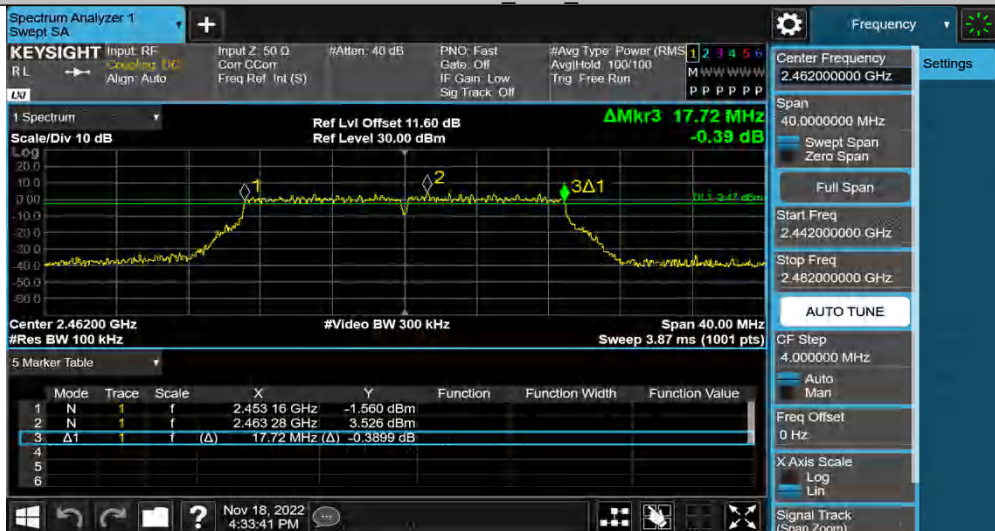




11N20SISO Ant1 2437



11N20SISO Ant1 2462

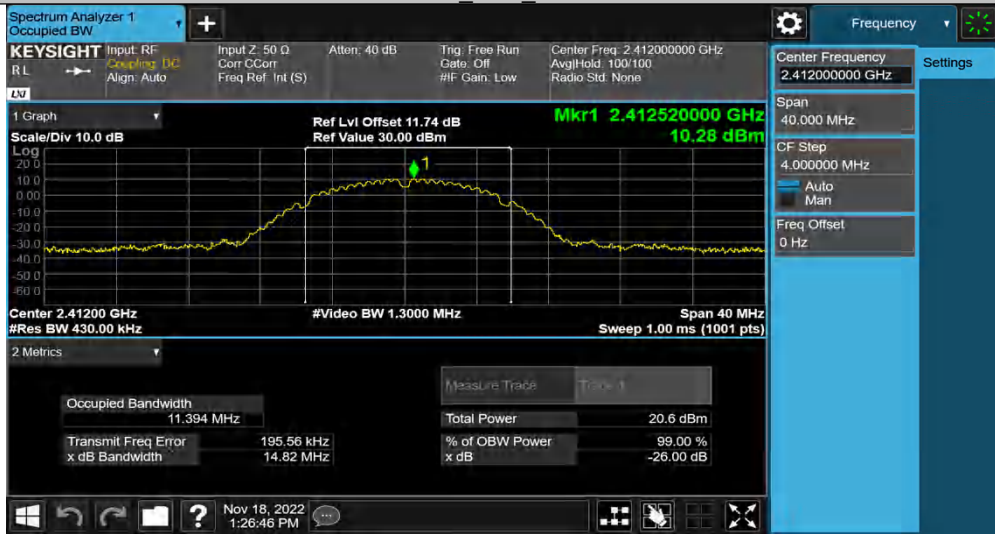


**Appendix A.3: Test Results of 99% Bandwidth**

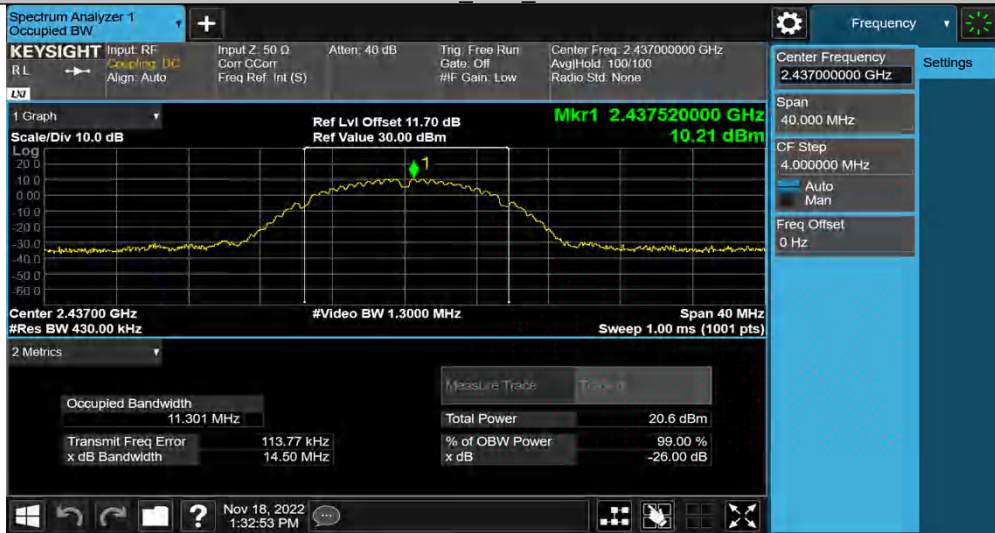
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.394	2406.4986	2417.8926	---	---
		2437	11.301	2431.4633	2442.7643	---	---
		2462	11.289	2456.5075	2467.7965	---	---
11G	Ant1	2412	17.284	2403.4949	2420.7789	---	---
		2437	17.246	2428.4667	2445.7127	---	---
		2462	17.261	2453.4259	2470.6869	---	---
11N20SISO	Ant1	2412	18.177	2402.9782	2421.1552	---	---
		2437	18.140	2427.9703	2446.1103	---	---
		2462	18.193	2452.9483	2471.1413	---	---

Both ports tested, only the worst-case reported.

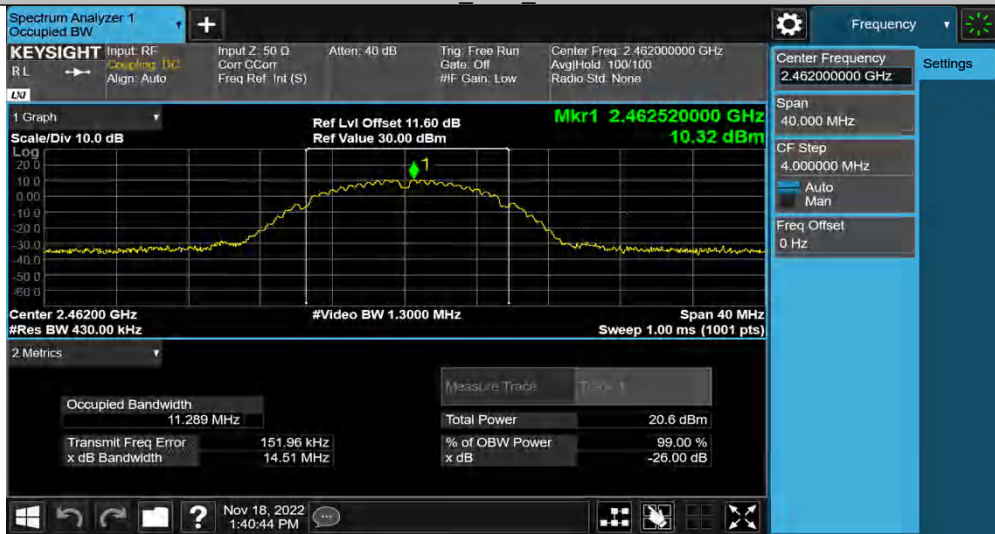
11B\_Ant1\_2412



11B\_Ant1\_2437

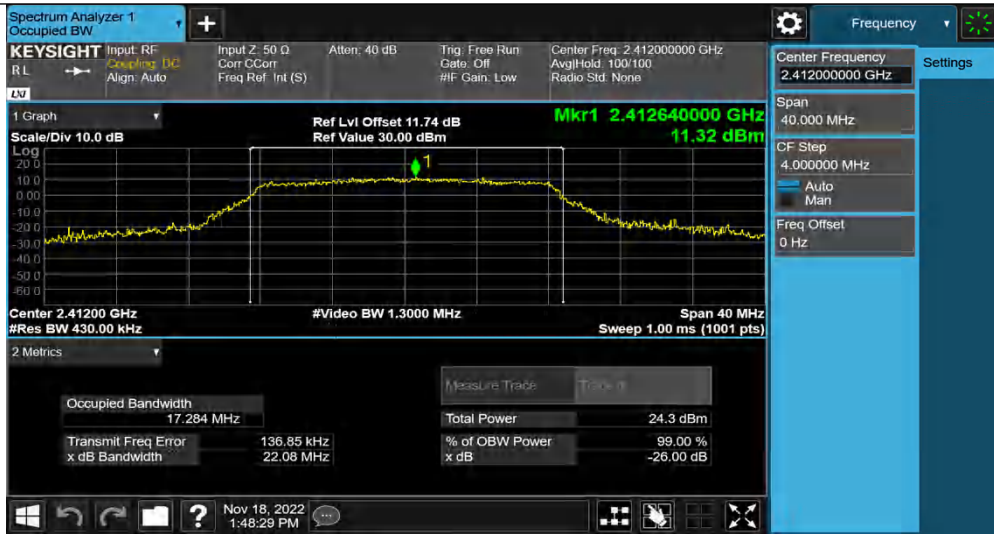


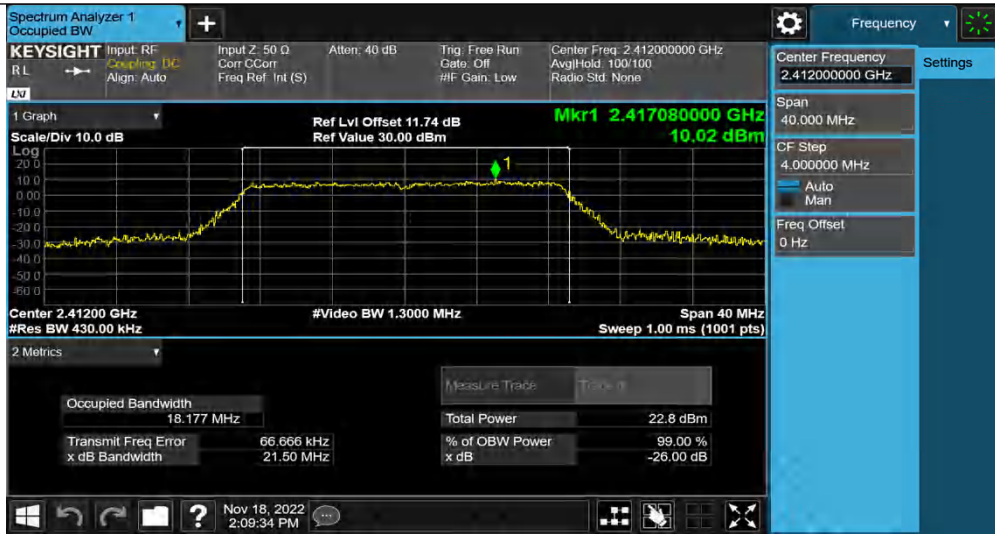
11B\_Ant1\_2462



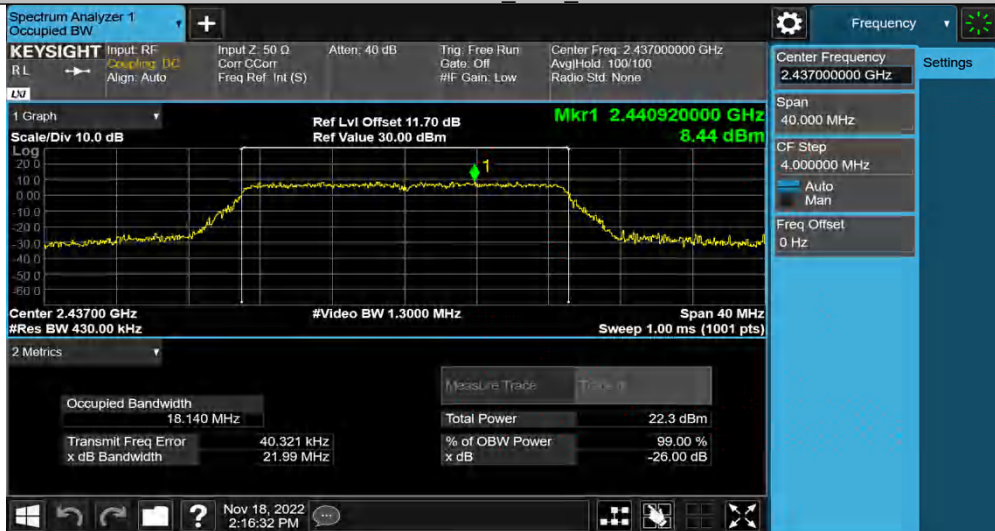
11G\_Ant1\_2412







11N20SISO Ant1 2437



11N20SISO Ant1 2462



### Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

#### Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	9.80	9.80	---	PASS
			30~1000	9.80	-47.85	≤-10.2	PASS
			1000~26500	9.80	-39.16	≤-10.2	PASS
		2437	Reference	8.55	8.55	---	PASS
			30~1000	8.55	-48.45	≤-11.45	PASS
			1000~26500	8.55	-38.55	≤-11.45	PASS
		2462	Reference	8.68	8.68	---	PASS
			30~1000	8.68	-48.4	≤-11.32	PASS
			1000~26500	8.68	-39.18	≤-11.32	PASS
11G	Ant1	2412	Reference	5.61	5.61	---	PASS
			30~1000	5.61	-48.07	≤-14.39	PASS
			1000~26500	5.61	-39.38	≤-14.39	PASS
		2437	Reference	4.84	4.84	---	PASS
			30~1000	4.84	-48.27	≤-15.16	PASS
			1000~26500	4.84	-39.74	≤-15.16	PASS
		2462	Reference	4.83	4.83	---	PASS
			30~1000	4.83	-48.56	≤-15.17	PASS
			1000~26500	4.83	-38.88	≤-15.17	PASS
11N20SISO	Ant1	2412	Reference	4.52	4.52	---	PASS
			30~1000	4.52	-48.15	≤-15.48	PASS
			1000~26500	4.52	-38.91	≤-15.48	PASS
		2437	Reference	3.75	3.75	---	PASS
			30~1000	3.75	-47.8	≤-16.25	PASS
			1000~26500	3.75	-38.75	≤-16.25	PASS
		2462	Reference	3.50	3.50	---	PASS
			30~1000	3.50	-48.96	≤-16.5	PASS
			1000~26500	3.50	-38.29	≤-16.5	PASS

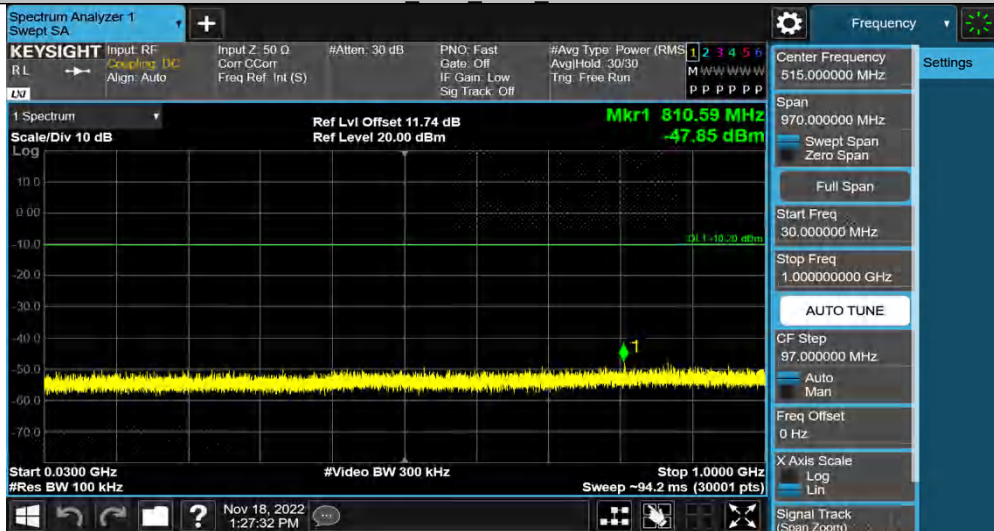
Both ports tested, only the worst-case reported.



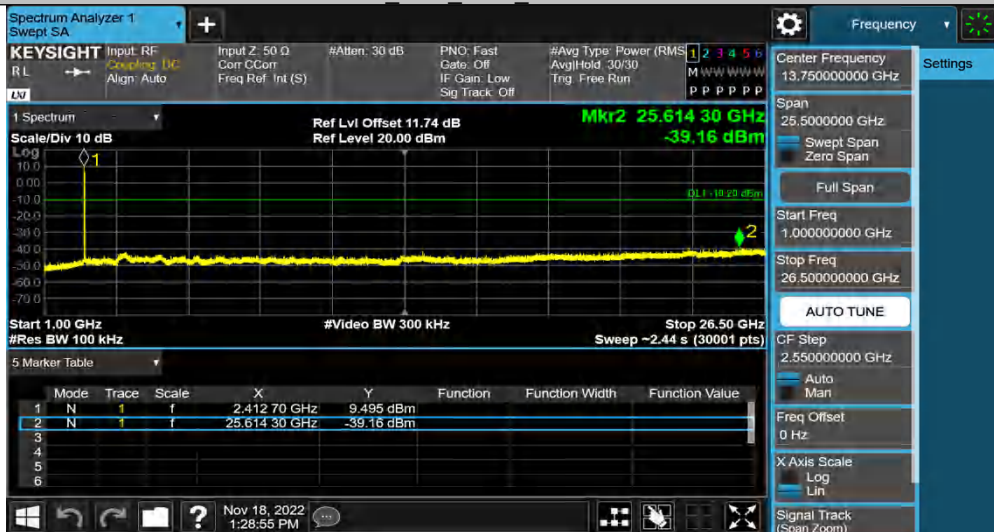
11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000



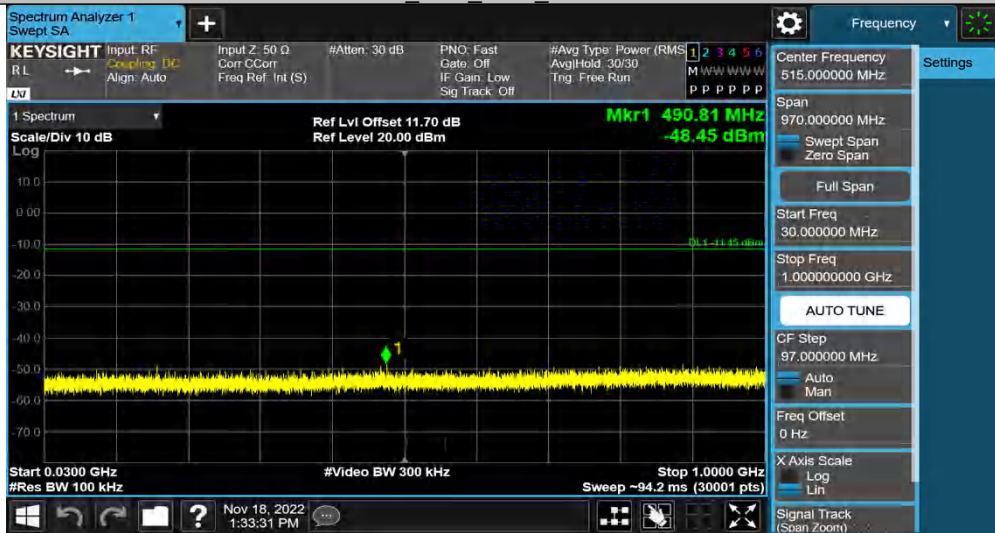
11B\_Ant1\_2412\_1000~26500



11B\_Ant1\_2437\_0~Reference



11B\_Ant1\_2437\_30~1000



11B\_Ant1\_2437\_1000~26500

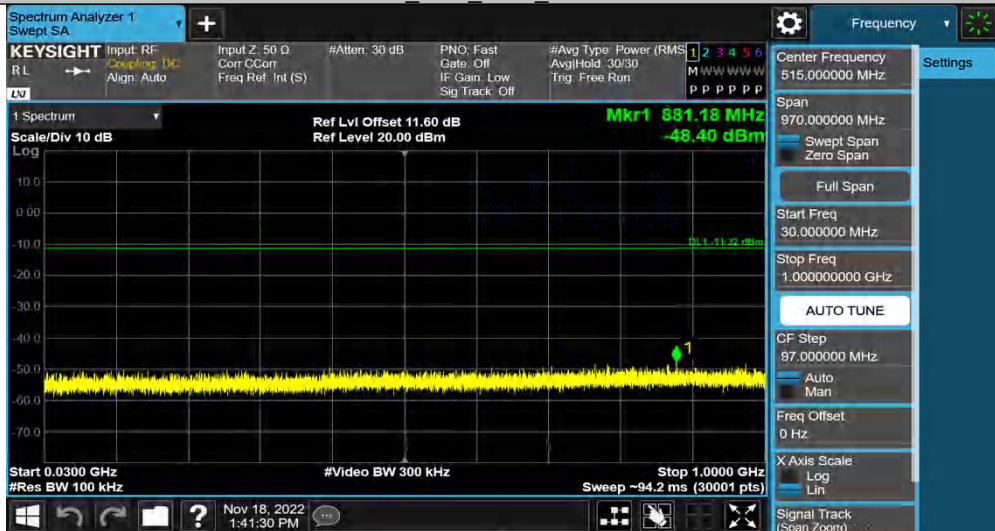


11B\_Ant1\_2462\_0~Reference

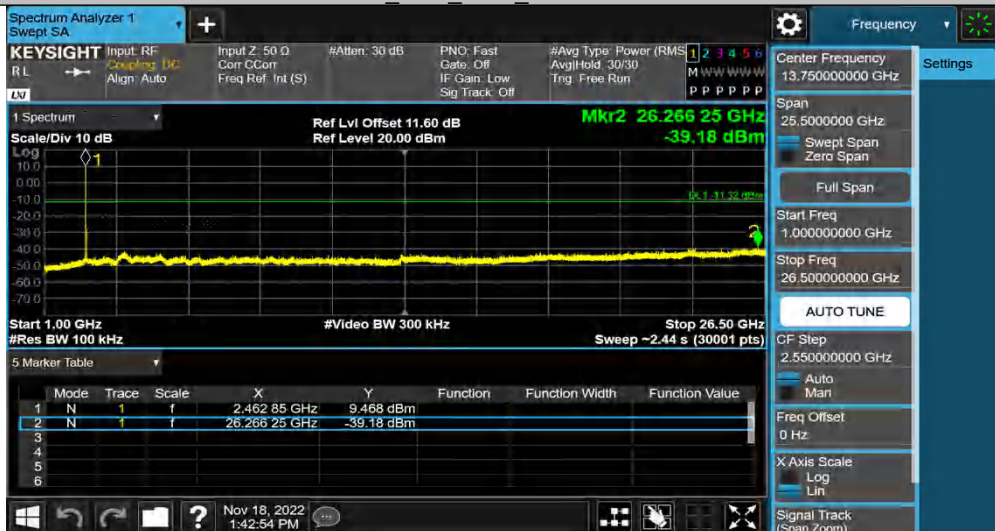




11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500

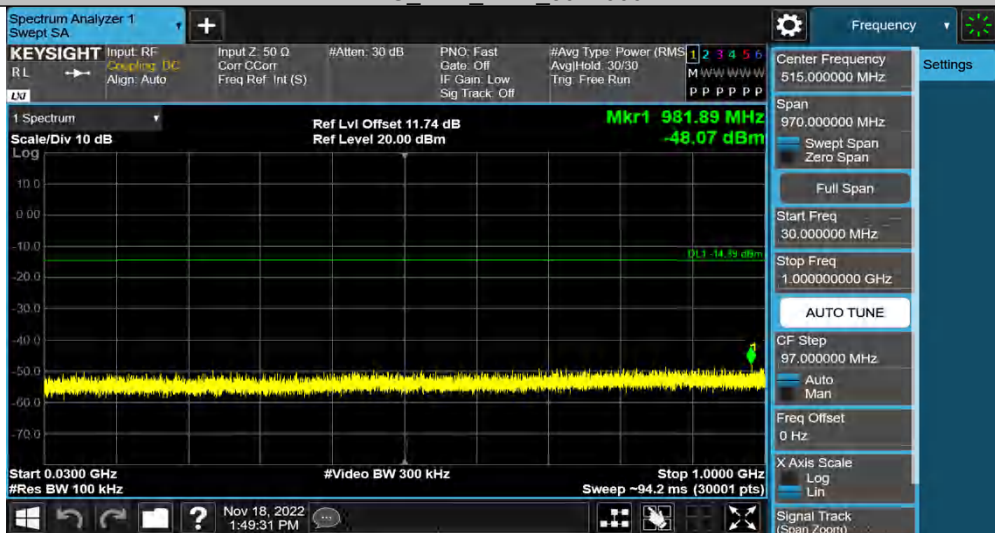


11G\_Ant1\_2412\_0~Reference





11G Ant1\_2412\_30~1000



11G Ant1\_2412\_1000~26500



11G Ant1\_2437\_0~Reference



11G Ant1\_2437\_30~1000



11G Ant1\_2437\_1000~26500

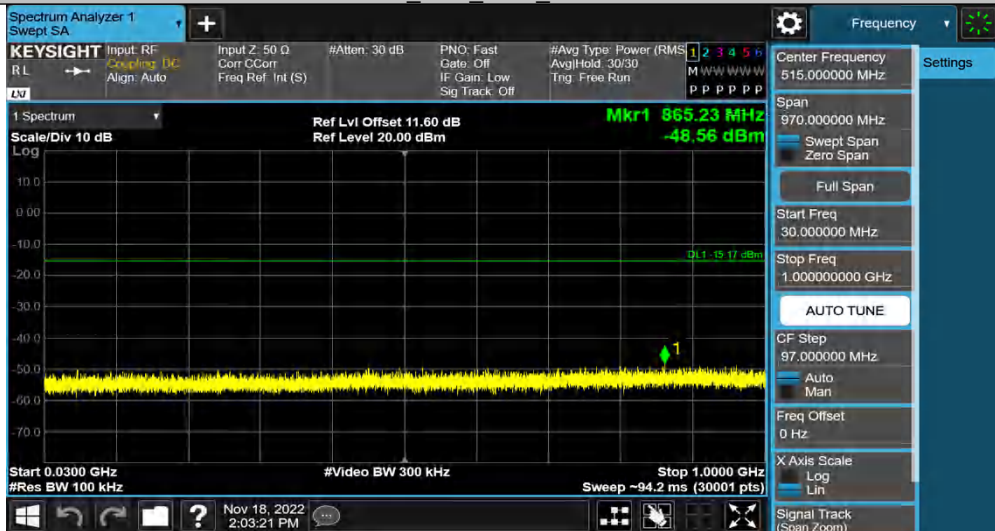


11G Ant1\_2462\_0~Reference

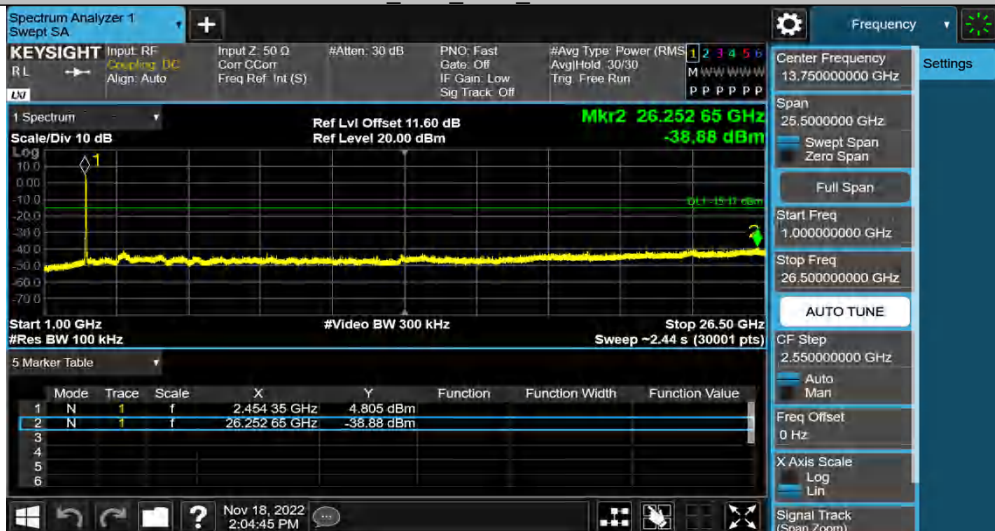




11G Ant1 2462 30~1000



11G Ant1 2462 1000~26500

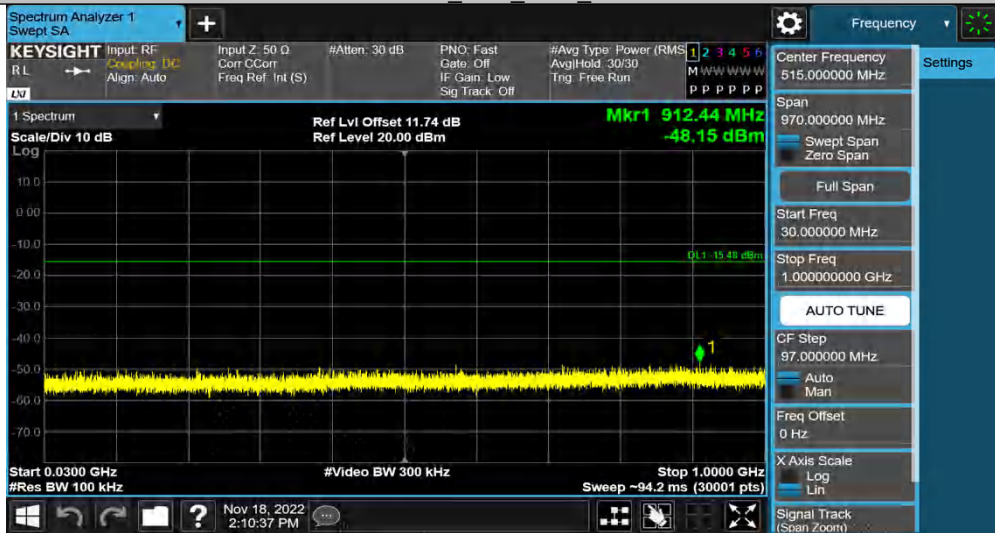


11N20SISO Ant1 2412 0~Reference

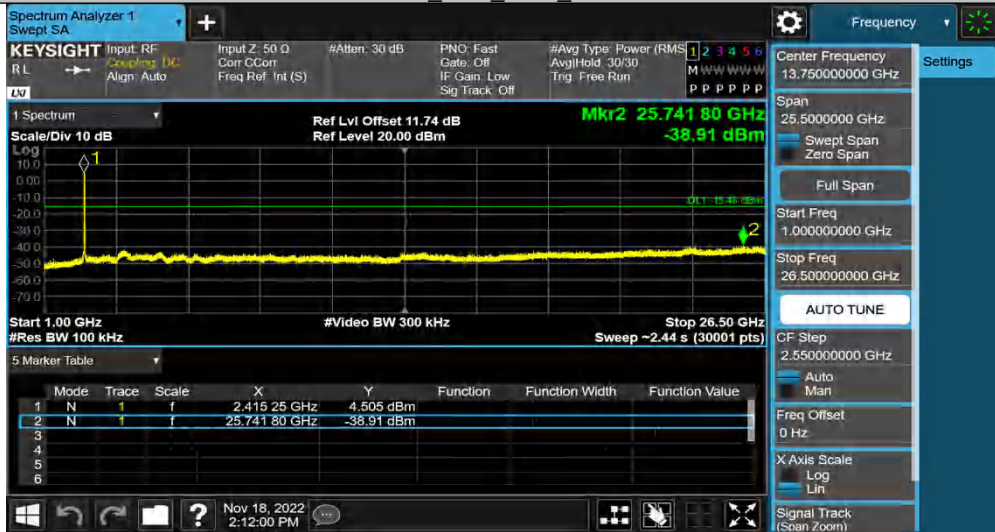




11N20SISO\_Ant1\_2412\_30~1000



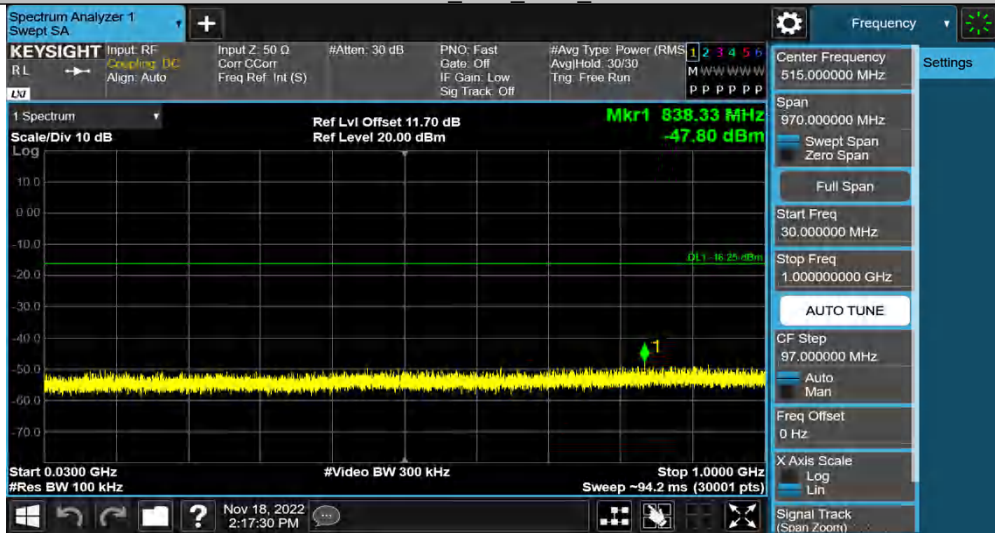
11N20SISO\_Ant1\_2412\_1000~26500



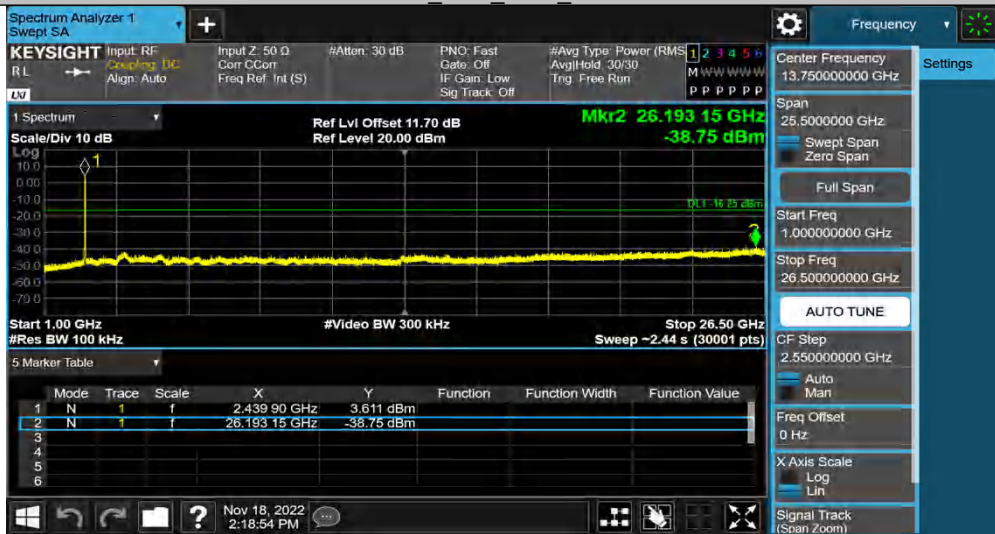
11N20SISO\_Ant1\_2437\_0~Reference



11N20SISO\_Ant1\_2437\_30~1000



11N20SISO\_Ant1\_2437\_1000~26500

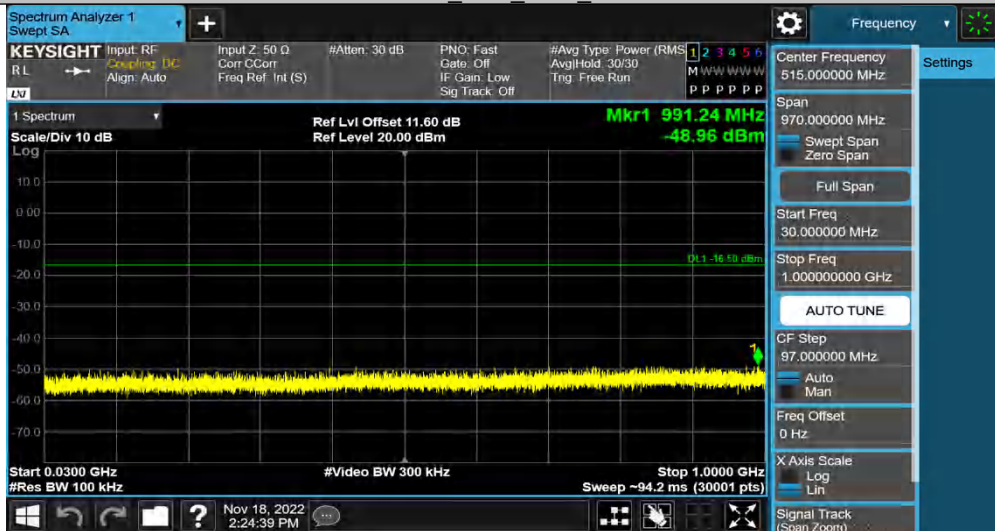


11N20SISO\_Ant1\_2462\_0~Reference





11N20SISO Ant1 2462 30~1000



11N20SISO Ant1 2462 1000~26500

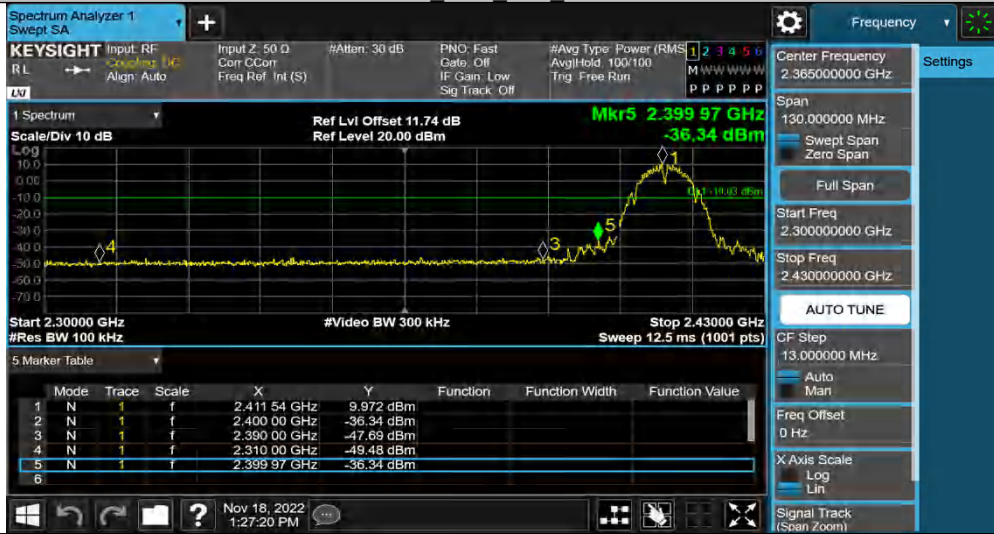




**Band Edge**

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.97	-36.34	≤-10.03	PASS
		High	2462	10.00	-45.82	≤-10	PASS
11G	Ant1	Low	2412	6.29	-26.5	≤-13.71	PASS
		High	2462	5.57	-33.41	≤-14.43	PASS
11N20SISO	Ant1	Low	2412	4.51	-28.75	≤-15.49	PASS
		High	2462	3.64	-39.09	≤-16.36	PASS

11B Ant1 Low 2412



11B Ant1 High 2462



11G Ant1 Low 2412



11G Ant1 High 2462



11N20SISO Ant1 Low 2412



11N20SISO Ant1 High 2462





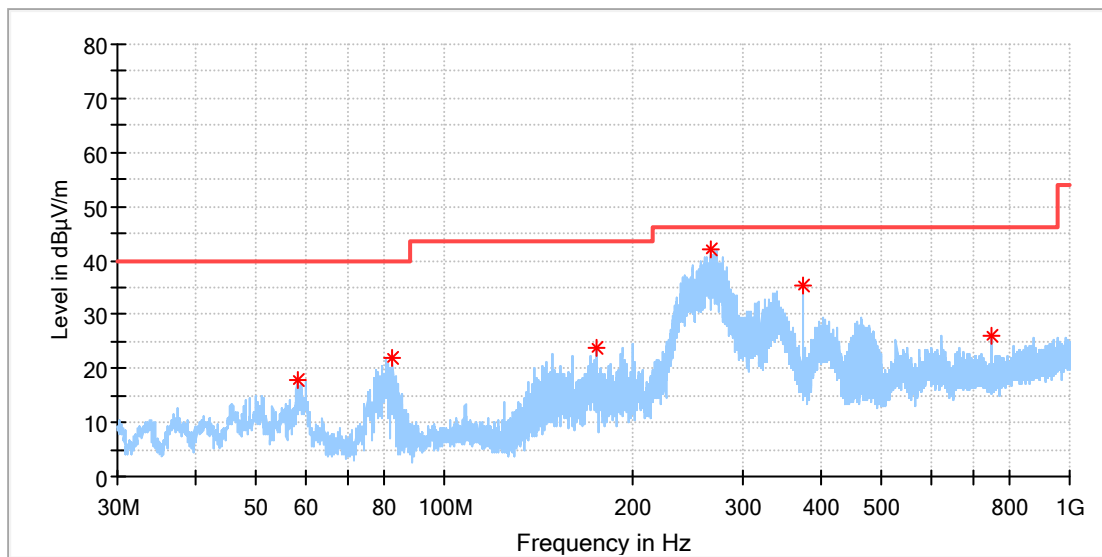
### Appendix A.5: Test Results of Radiated Spurious Emissions

Note: 1. Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported. 2. This testing was carried out on different modulations, but only the worst case was presented in this report.

#### 30MHz - 1GHz (Worst case)

#### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch6  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



#### Critical Freqs

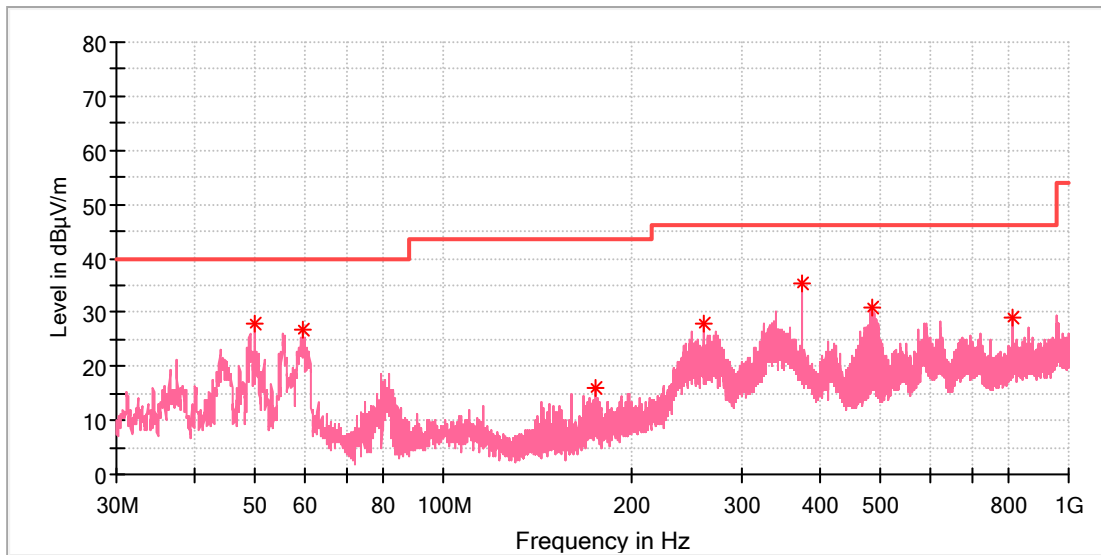
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
58.130000	17.74	40.00	22.26	100.0	H	229.0	-19.1
82.715769	22.12	40.00	17.88	100.0	H	164.0	-23.2
175.015000	23.95	43.50	19.55	100.0	H	212.0	-21.3
267.650000	41.88	46.00	4.12	100.0	H	12.0	-17.3
375.058846	35.26	46.00	10.74	100.0	H	348.0	-14.7
750.038462	26.10	46.00	19.90	100.0	H	229.0	-7.6

#### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch6  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.996923	28.02	40.00	11.98	100.0	V	76.0	-18.6
59.510385	26.69	40.00	13.31	100.0	V	252.0	-19.2
174.977692	15.89	43.50	27.61	100.0	V	183.0	-21.3
260.822692	28.04	46.00	17.96	100.0	V	67.0	-17.4
375.021539	35.25	46.00	10.75	100.0	V	12.0	-14.7
485.601539	30.89	46.00	15.11	100.0	V	21.0	-12.4
816.035769	29.20	46.00	16.80	100.0	V	294.0	-6.4

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

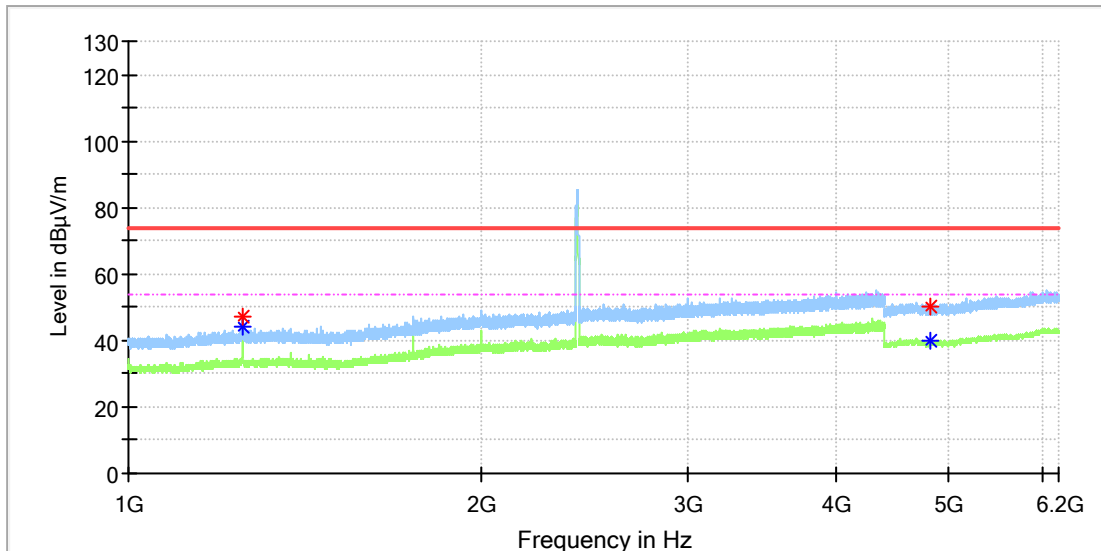
**Above 1GHz**

Note: The highest waveform in the figure is Wi-Fi Fundamental.

There are only floor-noises in above 18GHz emissions, thus no record for above 18GHz.

**EUT Information**

EUT Name:	Portable Mass Spectrometry System
Model:	C3001
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168398034/A003376045-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



**Critical Freqs**

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1249.900000	47.35	---	74.00	26.65	100.0	H	235.0	1.9
1249.900000	---	43.99	54.00	10.01	100.0	H	235.0	1.9
4812.000000	---	39.61	54.00	14.39	100.0	H	15.0	11.8
4817.500000	50.32	---	74.00	23.68	100.0	H	302.0	11.8

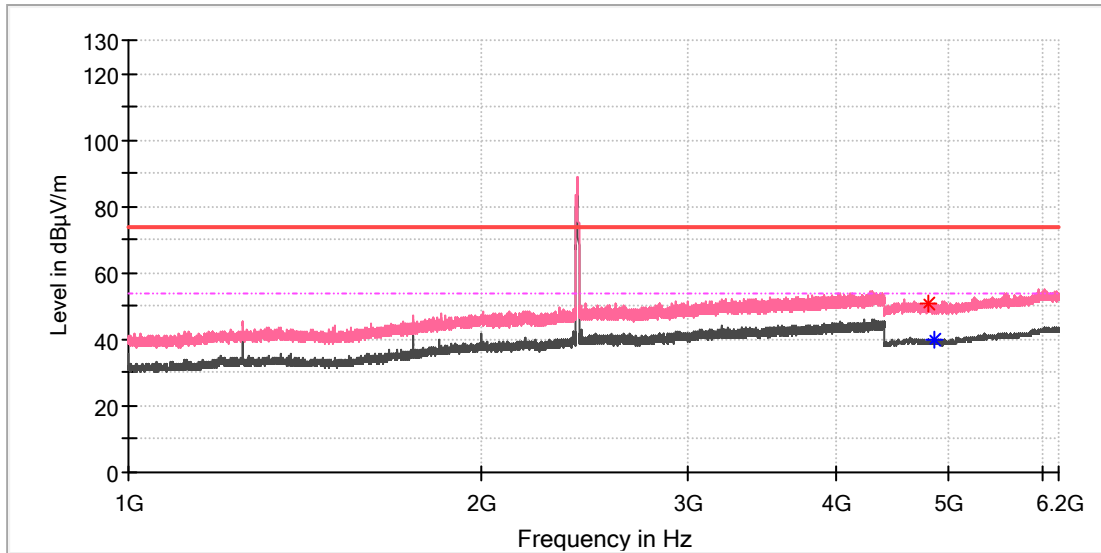
**Final Result**

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---



### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch1  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

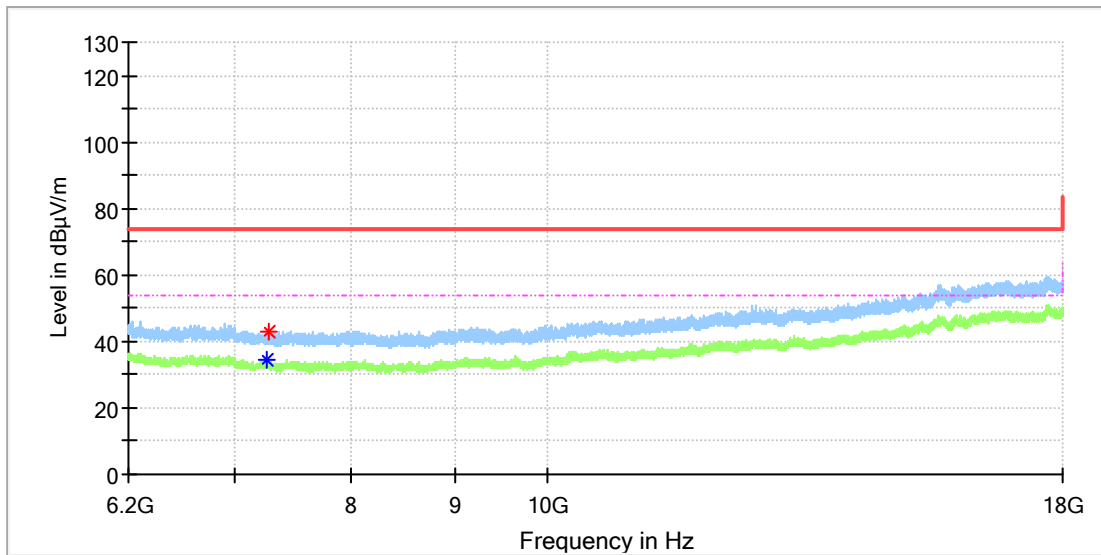
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4808.500000	50.86	---	74.00	23.14	100.0	V	177.0	11.8
4850.000000	---	40.04	54.00	13.96	100.0	V	132.0	11.8

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch1  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

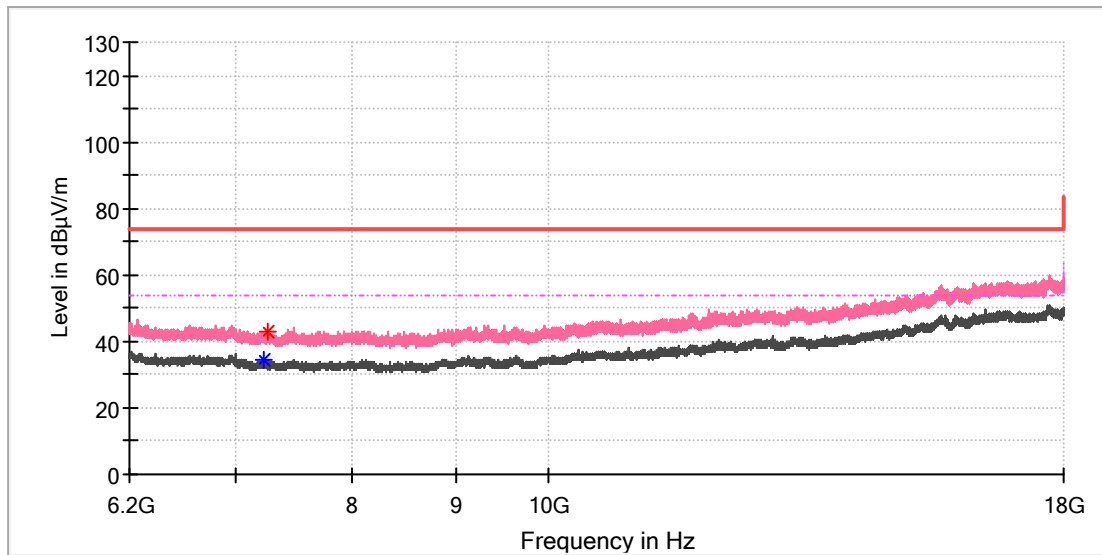
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7257.083333	---	34.33	54.00	19.67	100.0	H	42.0	8.5
7272.816667	43.05	---	74.00	30.95	100.0	H	206.0	8.4

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch1  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

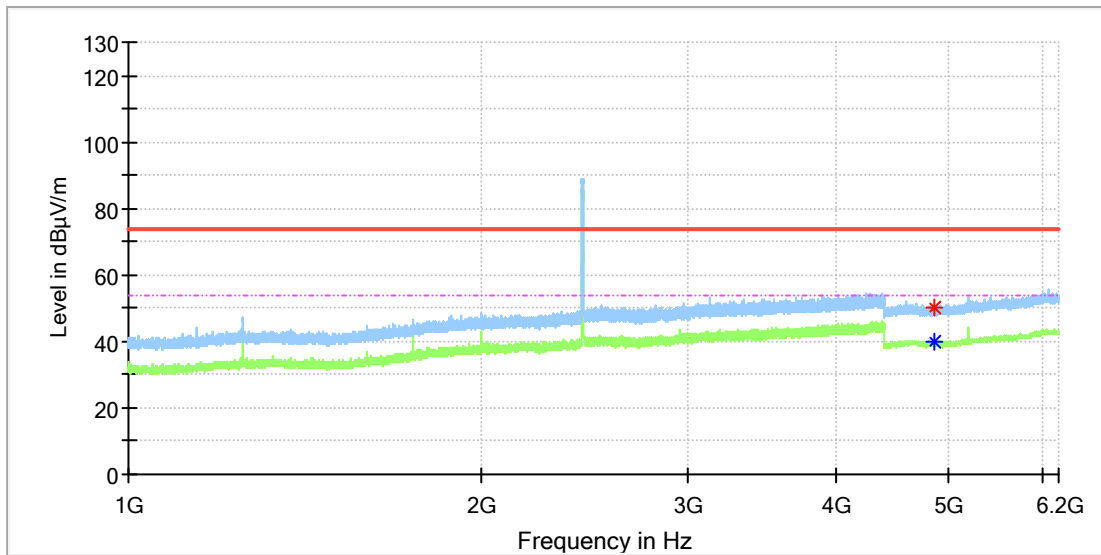
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7228.075000	---	34.21	54.00	19.79	100.0	V	185.0	8.7
7253.150000	42.88	---	74.00	31.12	100.0	V	149.0	8.5

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch6  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4854.500000	50.29	---	74.00	23.71	100.0	H	28.0	11.8
4863.000000	---	39.66	54.00	14.34	100.0	H	35.0	11.8

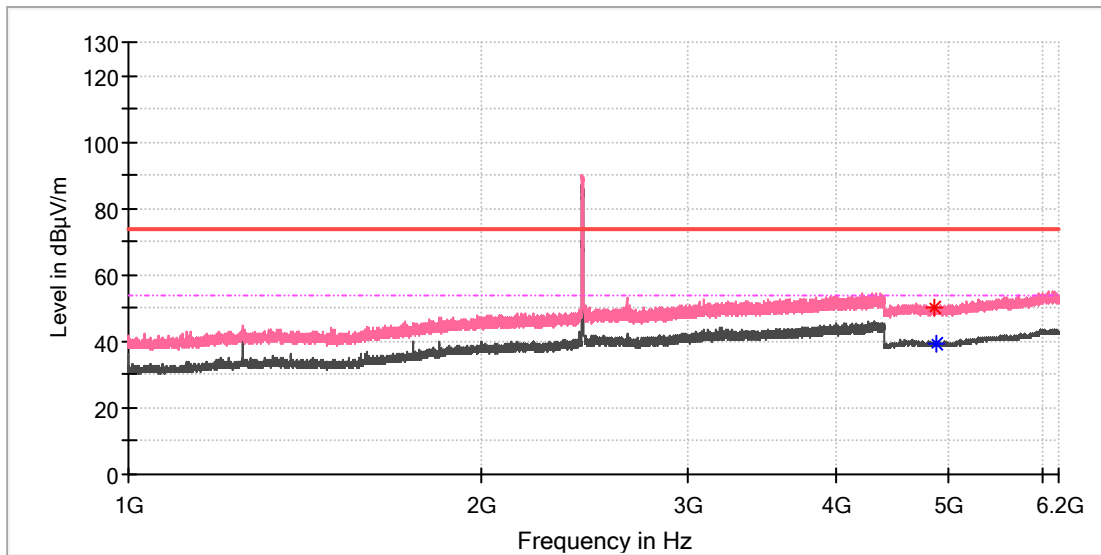
### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---



### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch6  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

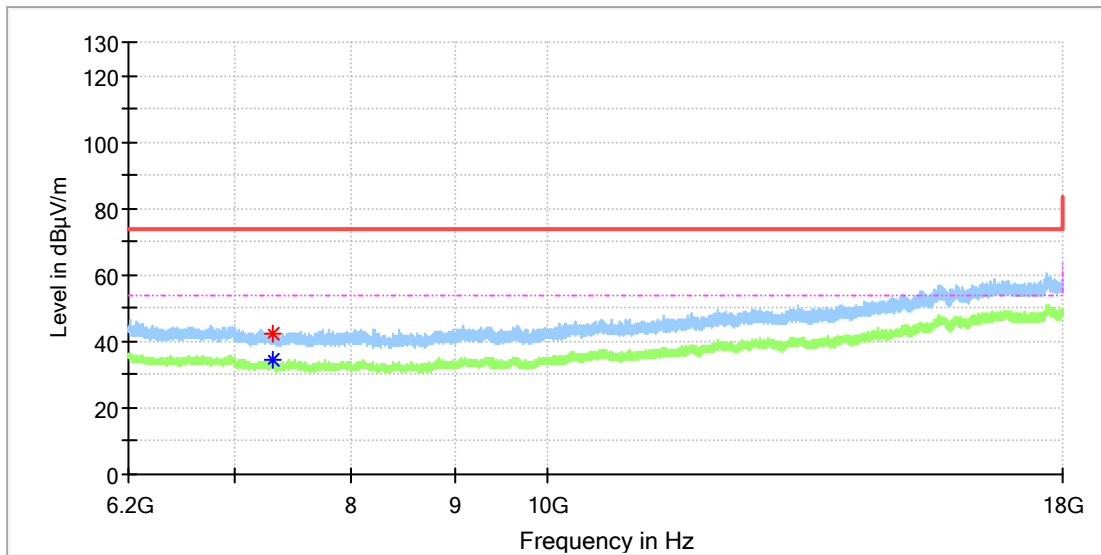
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4861.000000	50.47	---	74.00	23.53	100.0	V	249.0	11.8
4879.000000	---	39.54	54.00	14.46	100.0	V	177.0	11.8

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch6  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

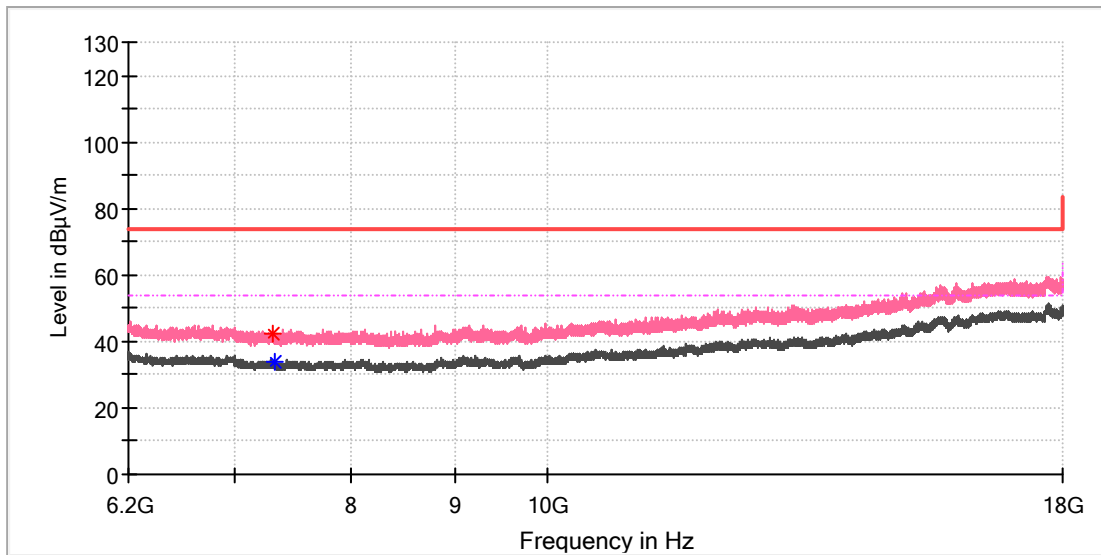
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7305.758333	---	34.41	54.00	19.59	100.0	H	285.0	8.3
7315.591667	42.03	---	74.00	31.97	100.0	H	245.0	8.2

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch6  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7308.708333	42.55	---	74.00	31.45	100.0	V	97.0	8.2
7325.916667	---	33.90	54.00	20.10	100.0	V	203.0	8.2

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

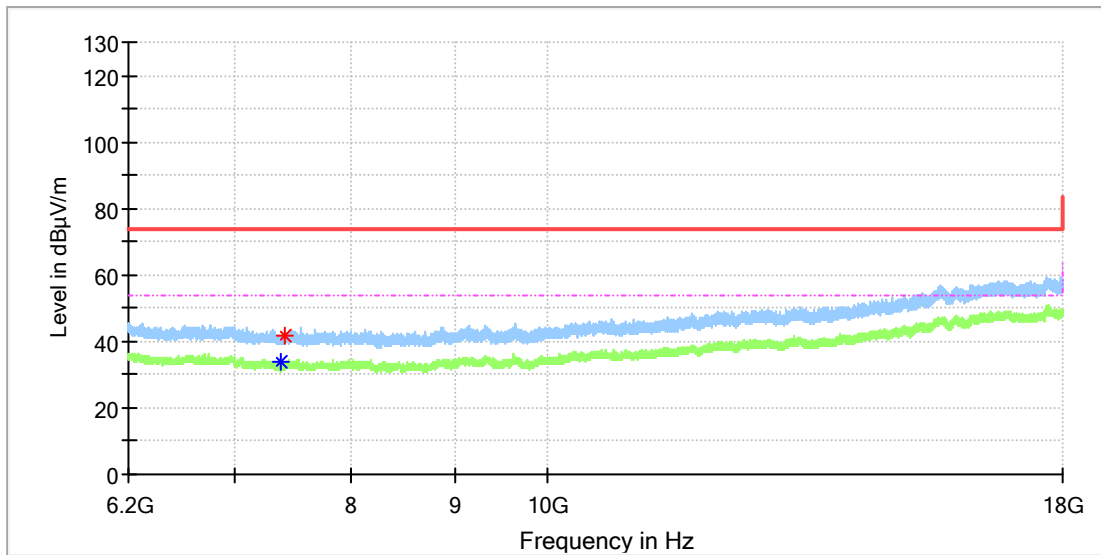






### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch11  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

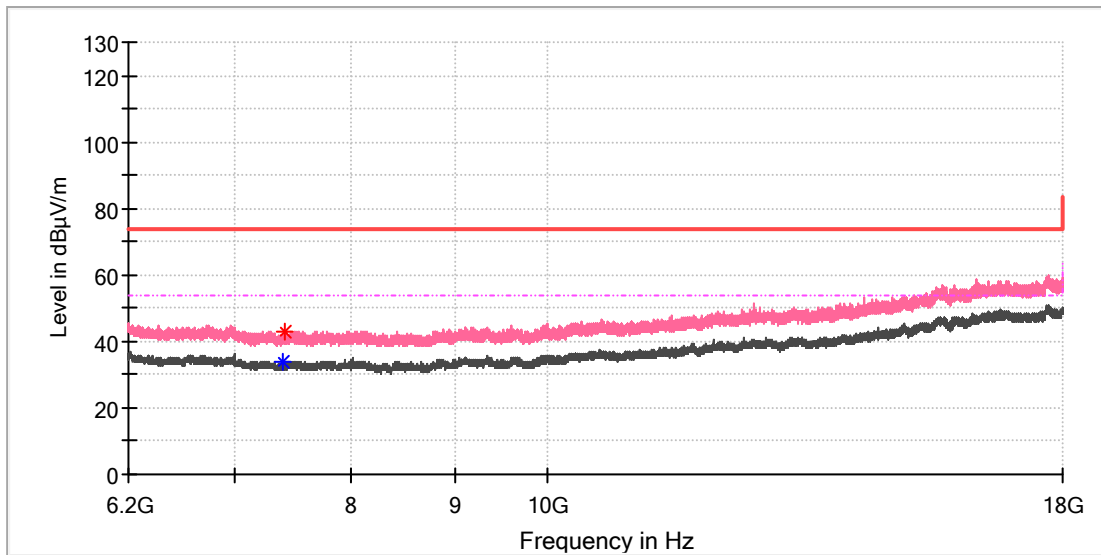
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7380.983333	---	33.65	54.00	20.35	100.0	H	84.0	8.2
7407.533333	42.02	---	74.00	31.98	100.0	H	173.0	8.3

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch11  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7391.800000	---	34.13	54.00	19.87	100.0	V	107.0	8.3
7408.516667	43.22	---	74.00	30.78	100.0	V	287.0	8.3

### Final\_Result

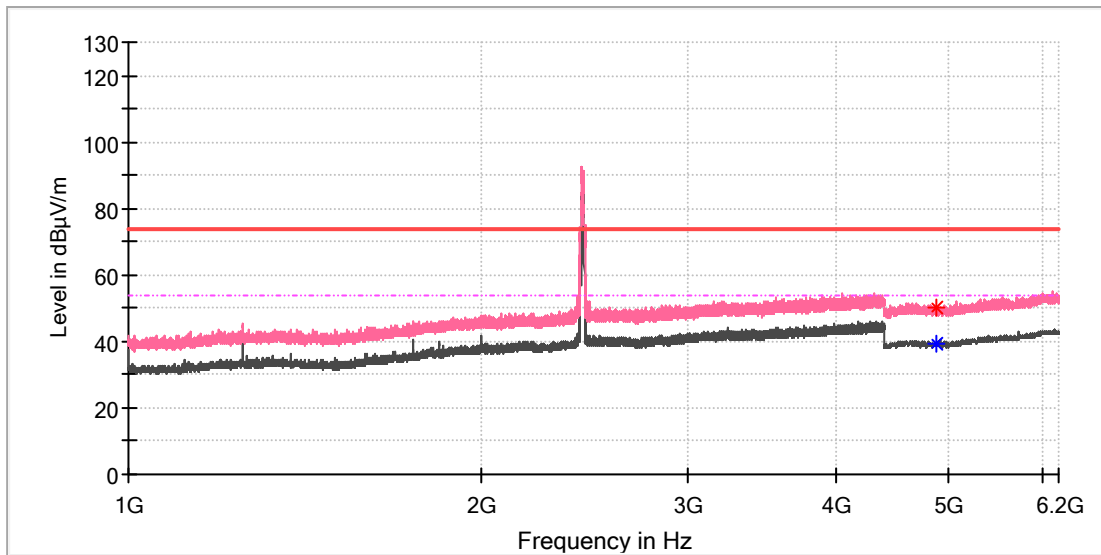
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---





### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11g\_Ch6  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

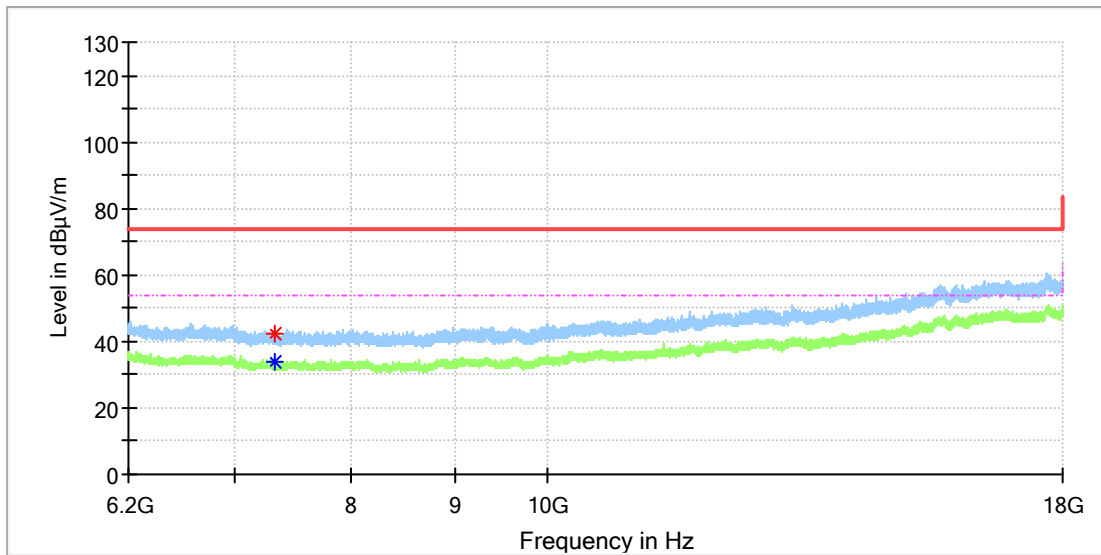
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.000000	---	39.58	54.00	14.42	100.0	V	122.0	11.8
4869.500000	50.36	---	74.00	23.64	100.0	V	324.0	11.8

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11g\_Ch6  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

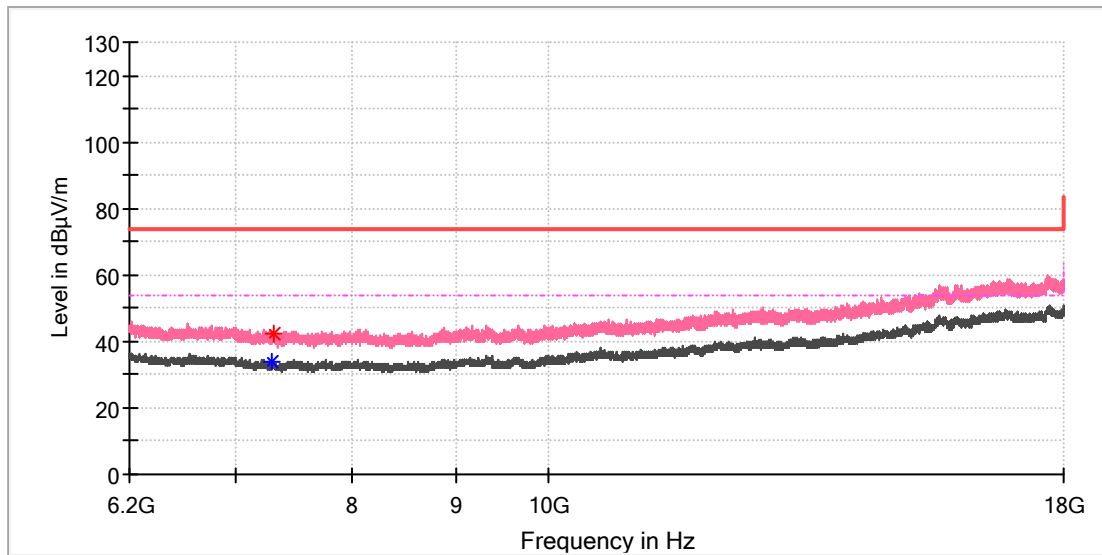
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7321.491667	---	34.03	54.00	19.97	100.0	H	125.0	8.2
7328.375000	42.17	---	74.00	31.83	100.0	H	150.0	8.1

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11g\_Ch6  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7291.991667	---	33.71	54.00	20.30	100.0	V	148.0	8.3
7308.216667	42.29	---	74.00	31.71	100.0	V	112.0	8.2

### Final Result

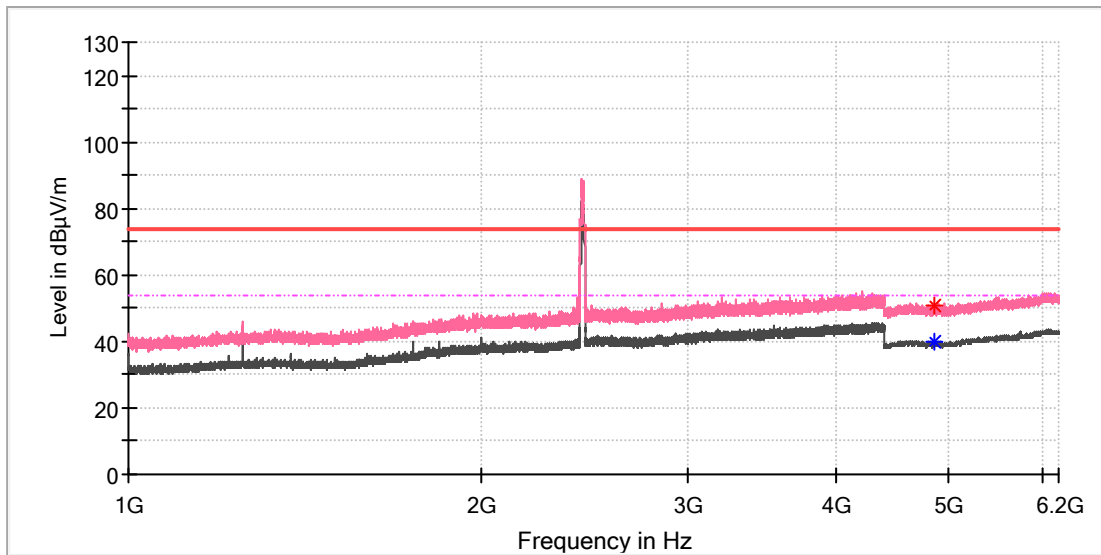
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---





### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11n20\_Ch6  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

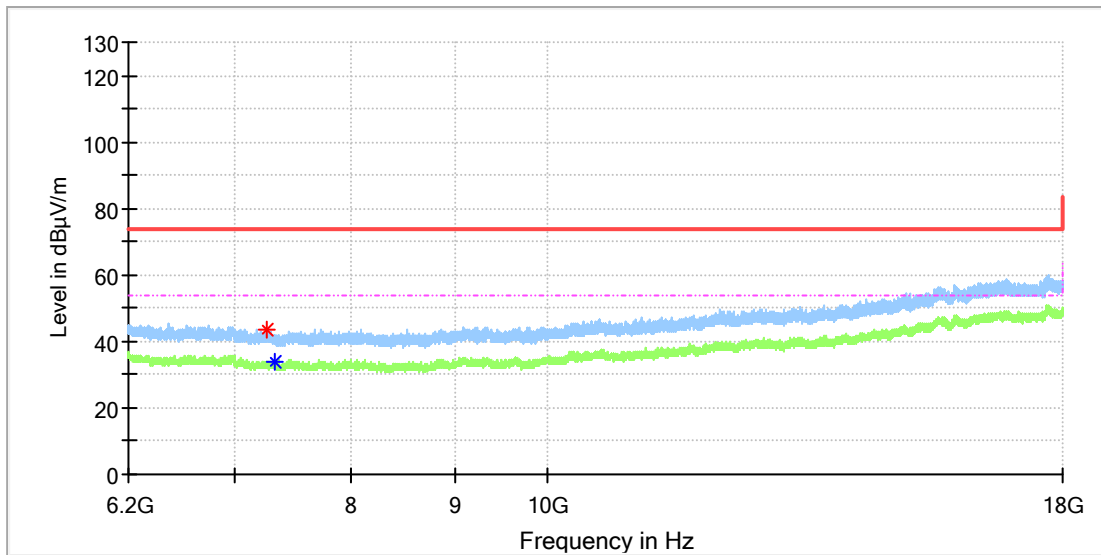
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4857.500000	50.79	---	74.00	23.21	100.0	V	313.0	11.8
4861.500000	---	39.68	54.00	14.32	100.0	V	350.0	11.8

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11n20\_Ch6  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

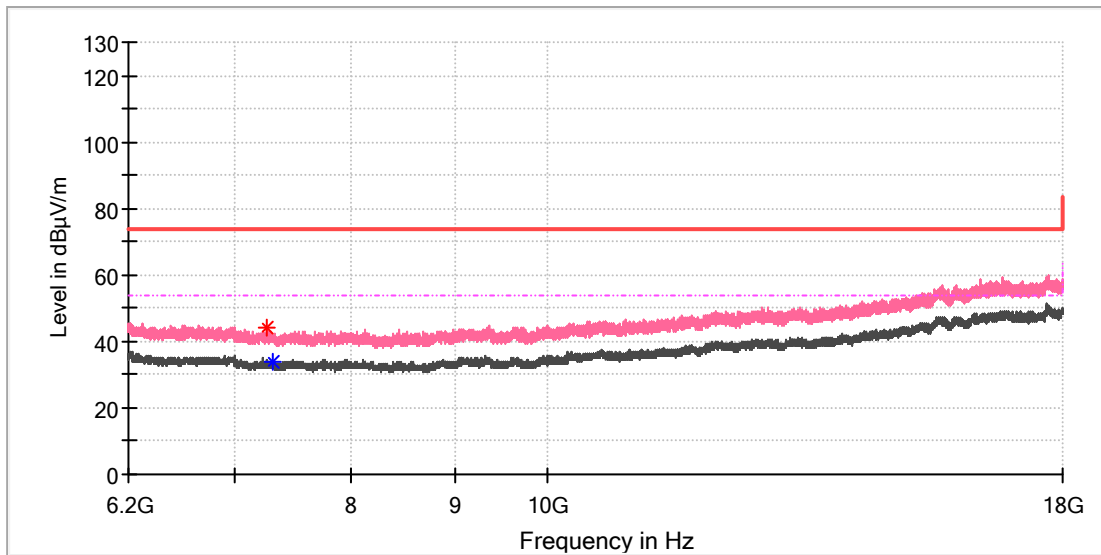
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7263.966667	43.56	---	74.00	30.44	100.0	H	220.0	8.5
7321.000000	---	33.78	54.00	20.22	100.0	H	109.0	8.2

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11n20\_Ch6  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7255.608333	44.03	---	74.00	29.97	100.0	V	139.0	8.5
7306.741667	---	33.69	54.00	20.31	100.0	V	200.0	8.3

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

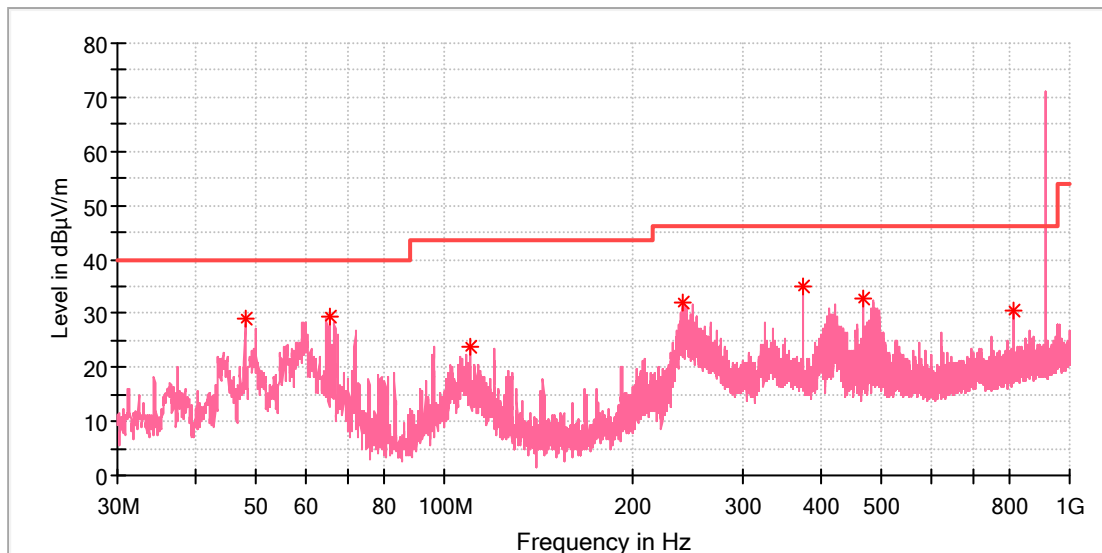
**Co-loaction mode (2.4GHz Wi-Fi+900MHz RFID)**

Note: The highest waveform in the figure is Wi-Fi and RFID Fundamental.

There are only floor-noises in above 18GHz emissions, thus no record for above 18GHz.

**EUT Information**

EUT Name:	Portable Mass Spectrometry System
Model:	C3001
Test Mode:	RFID+WIFI 2.4G
Order No/Sample No:	168398034/A003376045-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



**Critical\_Freqs**

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
47.982308	28.93	40.00	11.07	100.0	V	70.0	-18.7
65.666154	29.50	40.00	10.50	100.0	V	86.0	-20.6
109.875769	23.71	43.50	19.79	100.0	V	79.0	-19.4
241.422692	31.84	46.00	14.16	100.0	V	39.0	-18.0
375.021539	34.90	46.00	11.10	100.0	V	257.0	-14.7
468.216154	32.76	46.00	13.24	100.0	V	127.0	-12.9
816.035769	30.60	46.00	15.40	100.0	V	265.0	-6.4

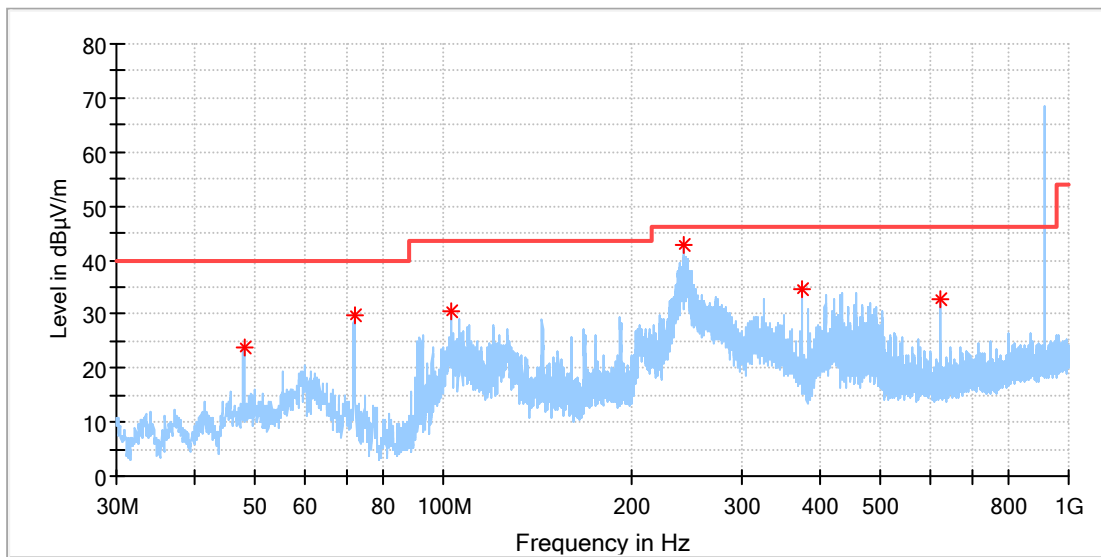
**Final\_Result**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---



### EUT Information

EUT Name:	Portable Mass Spectrometry System
Model:	C3001
Test Mode:	RFID+WIFI 2.4G
Order No/Sample No:	168398034/A003376045-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical Freqs

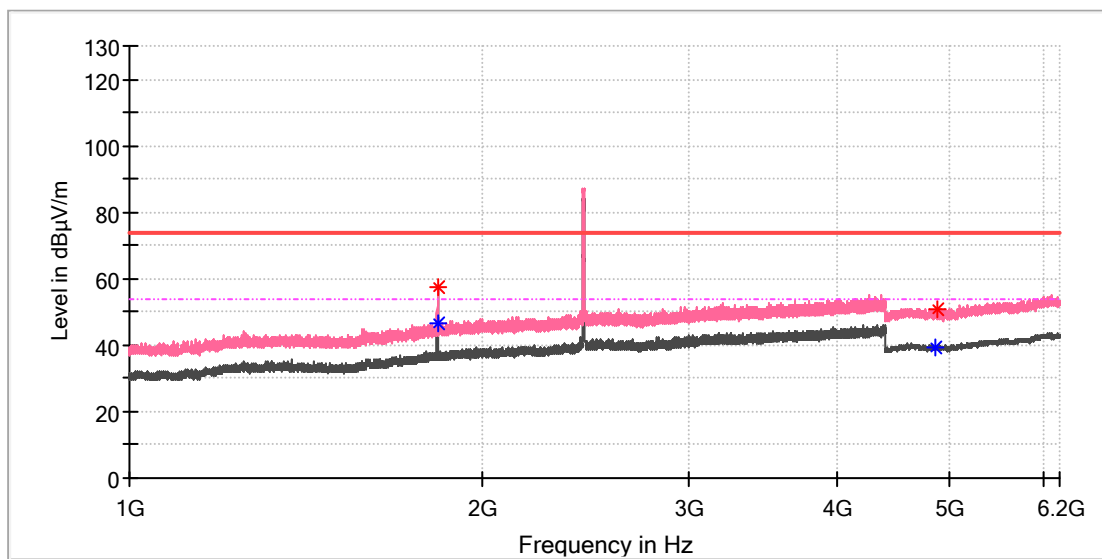
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
48.019615	23.94	40.00	16.06	100.0	H	173.0	-18.7
72.008462	29.80	40.00	10.20	100.0	H	354.0	-22.8
103.085769	30.47	43.50	13.03	100.0	H	68.0	-19.2
242.504615	42.87	46.00	3.13	100.0	H	84.0	-17.9
375.021539	34.43	46.00	11.57	100.0	H	345.0	-14.7
625.057692	32.90	46.00	13.10	100.0	H	156.0	-9.8

### Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: RFID+WIFI 2.4G  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

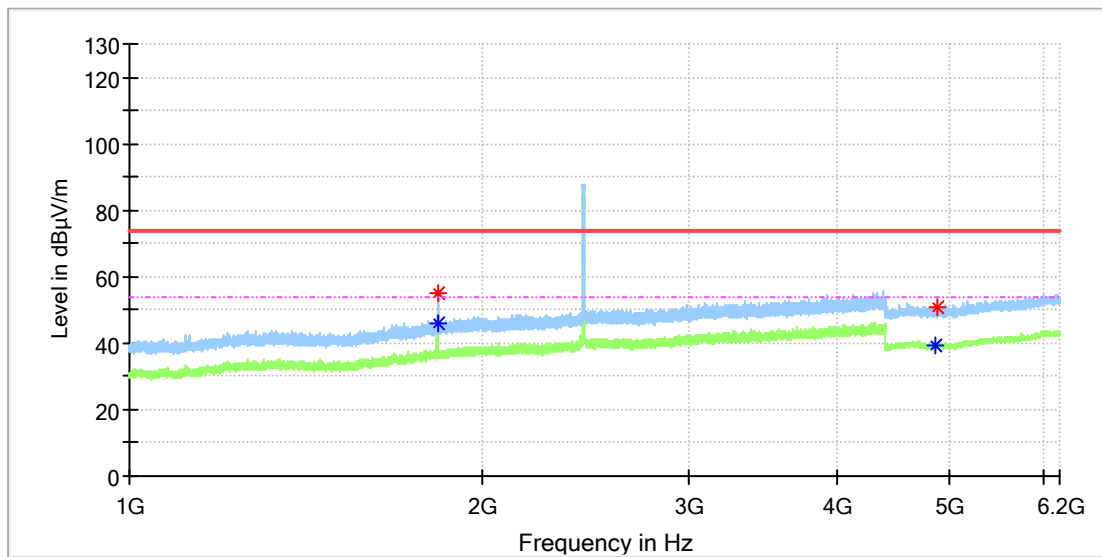
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1829.430000	57.69	---	74.00	16.31	100.0	V	87.0	4.9
1830.450000	---	46.80	54.00	7.20	100.0	V	107.0	4.9
4865.000000	---	39.47	54.00	14.53	100.0	V	210.0	11.8
4874.500000	50.72	---	74.00	23.28	100.0	V	344.0	11.8

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: RFID+WIFI 2.4G  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

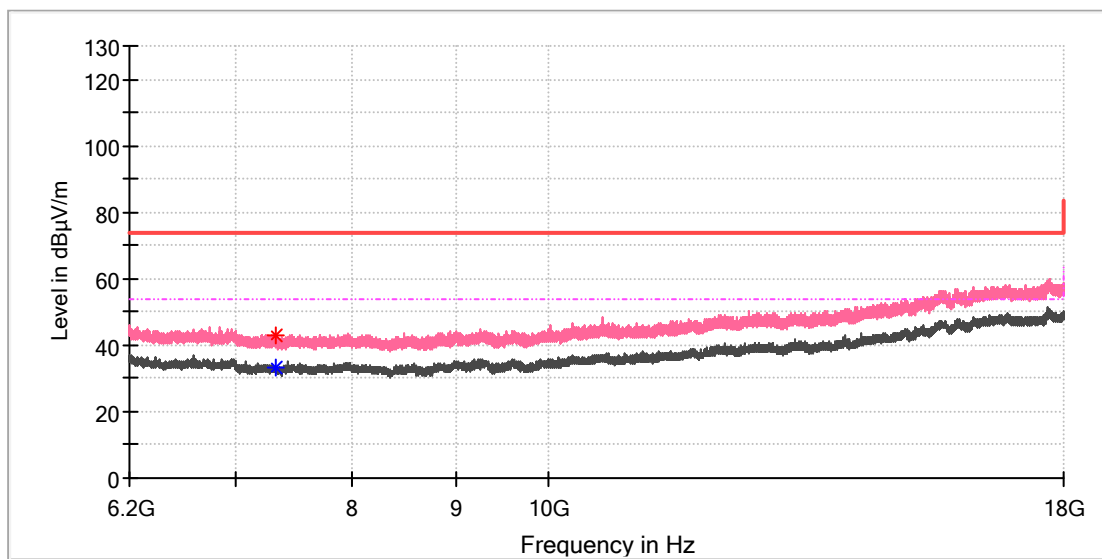
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1829.600000	54.73	---	74.00	19.27	100.0	H	237.0	4.9
1829.940000	---	45.98	54.00	8.02	100.0	H	237.0	4.9
4852.000000	---	39.59	54.00	14.41	100.0	H	272.0	11.8
4869.500000	50.80	---	74.00	23.20	100.0	H	347.0	11.8

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: RFID+WIFI 2.4G  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7321.491667	---	33.50	54.00	20.50	100.0	V	289.0	8.2
7327.391667	43.00	---	74.00	31.00	100.0	V	314.0	8.1

### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

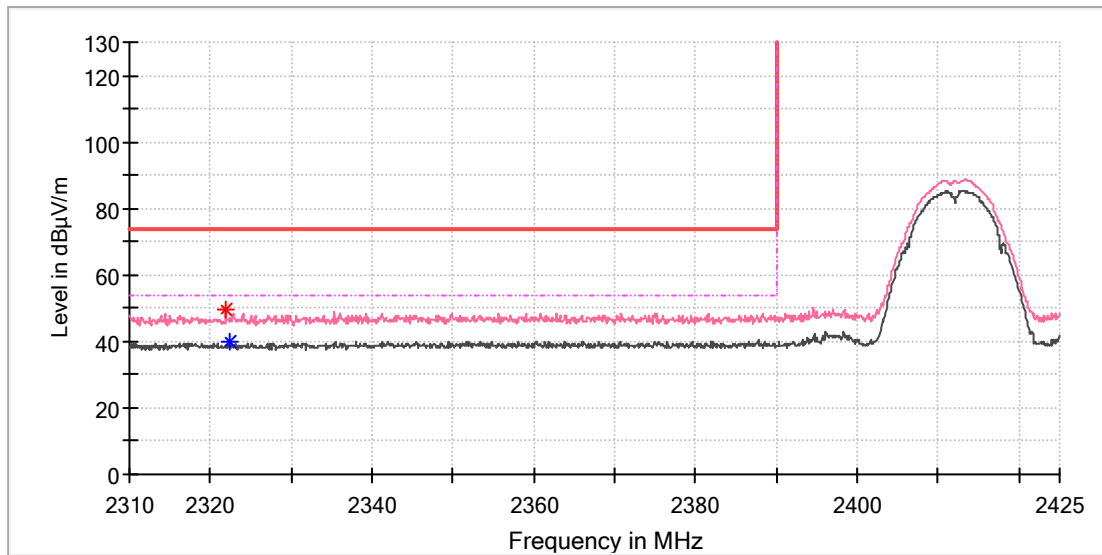






### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch1  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

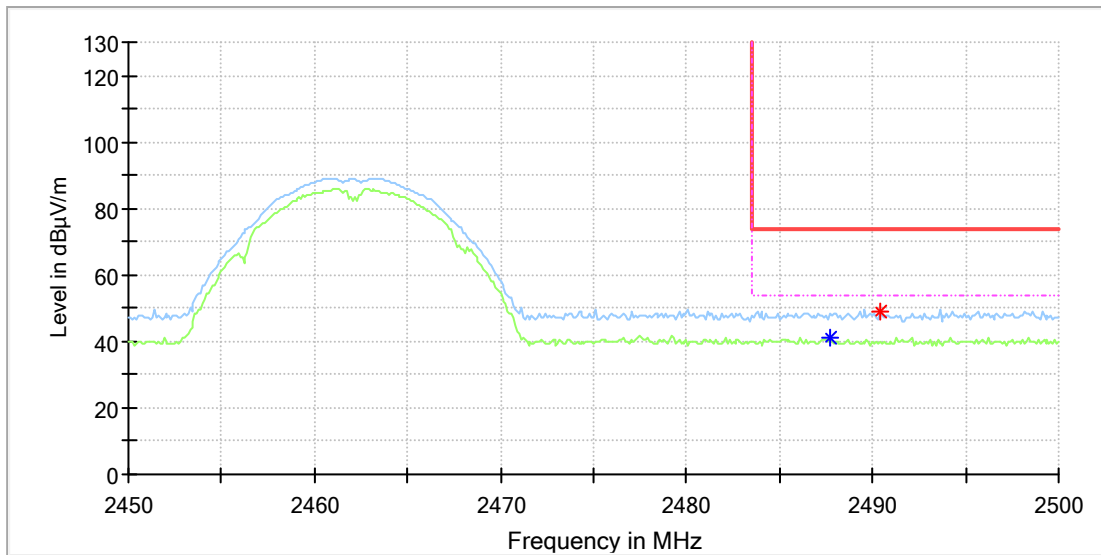
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2321.900000	49.31	---	74.00	24.69	100.0	V	232.0	6.6
2322.400000	---	39.85	54.00	14.15	100.0	V	178.0	6.6

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch11  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

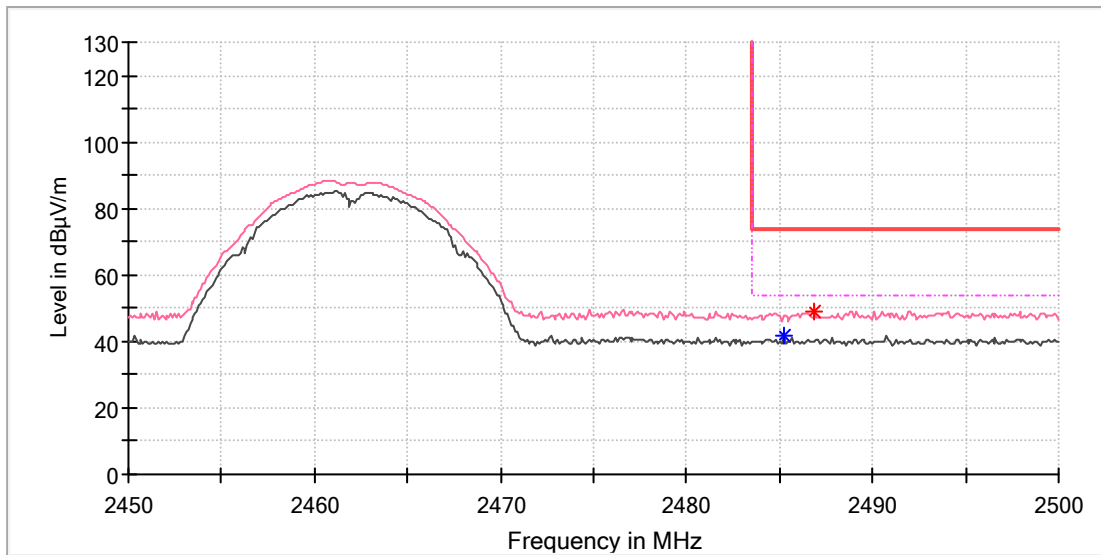
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.700000	---	41.20	54.00	12.80	100.0	H	144.0	7.4
2490.400000	49.22	---	74.00	24.78	100.0	H	50.0	7.4

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11b\_Ch11  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.200000	---	41.47	54.00	12.53	100.0	V	2.0	7.4
2486.900000	49.16	---	74.00	24.84	100.0	V	109.0	7.4

### Final\_Result

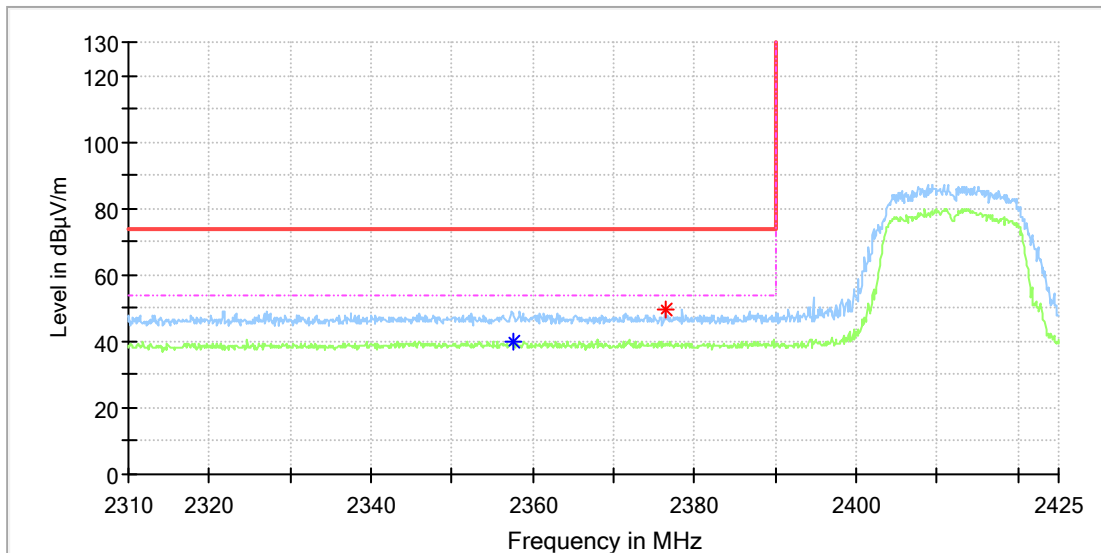
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---



**Wi-Fi 802.11 g mode, 6 Mbps**

**EUT Information**

EUT Name:	Portable Mass Spectrometry System
Model:	C3001
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168398034/A003376045-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



**Critical Freqs**

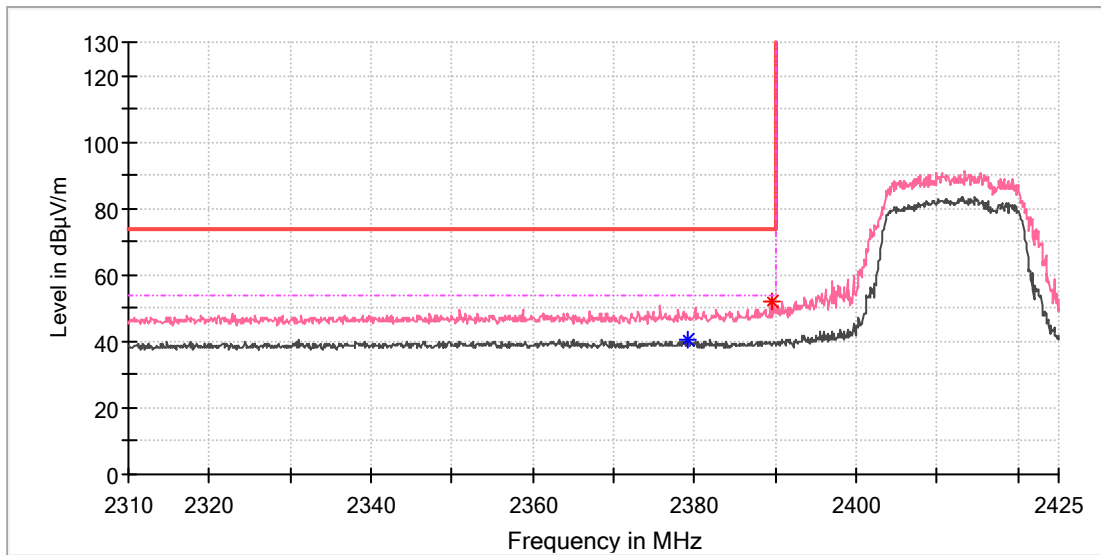
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2357.700000	---	39.92	54.00	14.08	100.0	H	282.0	6.9
2376.300000	49.37	---	74.00	24.63	100.0	H	140.0	6.9

**Final Result**

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11g\_Ch1  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

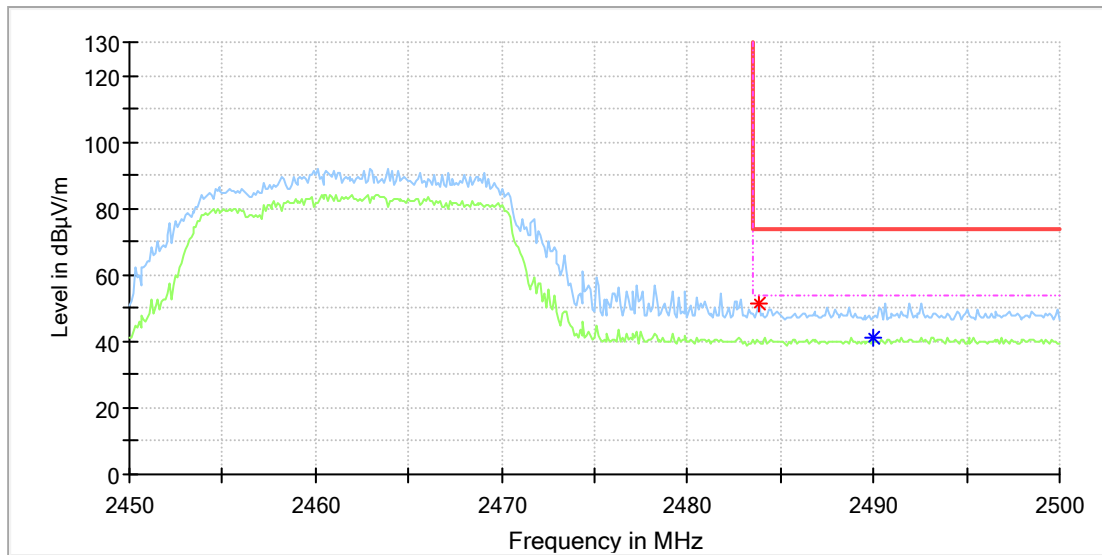
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2379.200000	---	40.78	54.00	13.22	100.0	V	340.0	7.0
2389.500000	52.21	---	74.00	21.79	100.0	V	287.0	7.0

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11g\_Ch11  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

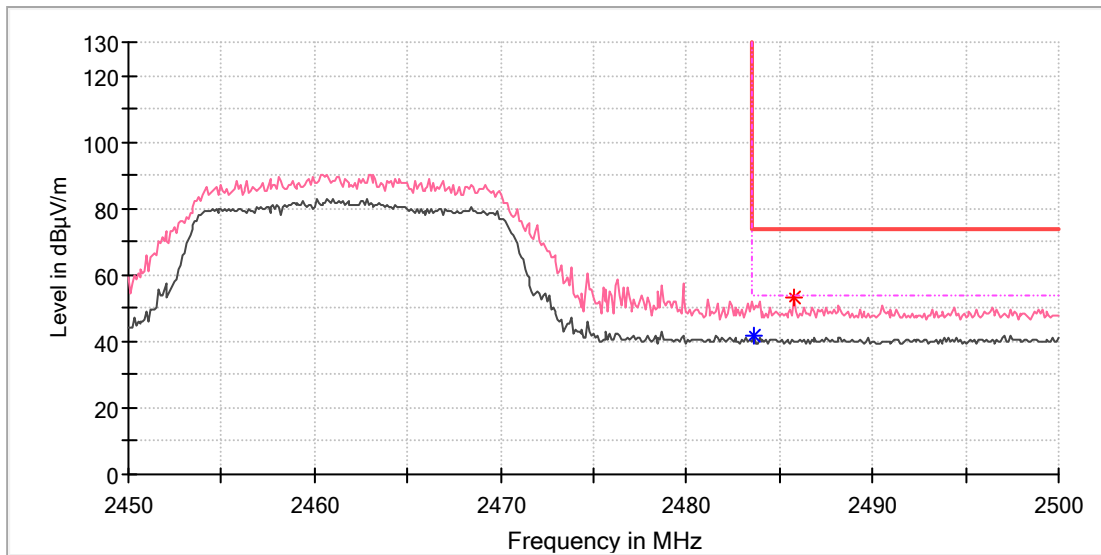
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.800000	51.37	---	74.00	22.63	100.0	H	227.0	7.4
2490.000000	---	40.85	54.00	13.15	100.0	H	331.0	7.4

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11g\_Ch11  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.600000	---	41.74	54.00	12.26	100.0	V	0.0	7.4
2485.800000	53.01	---	74.00	20.99	100.0	V	58.0	7.4

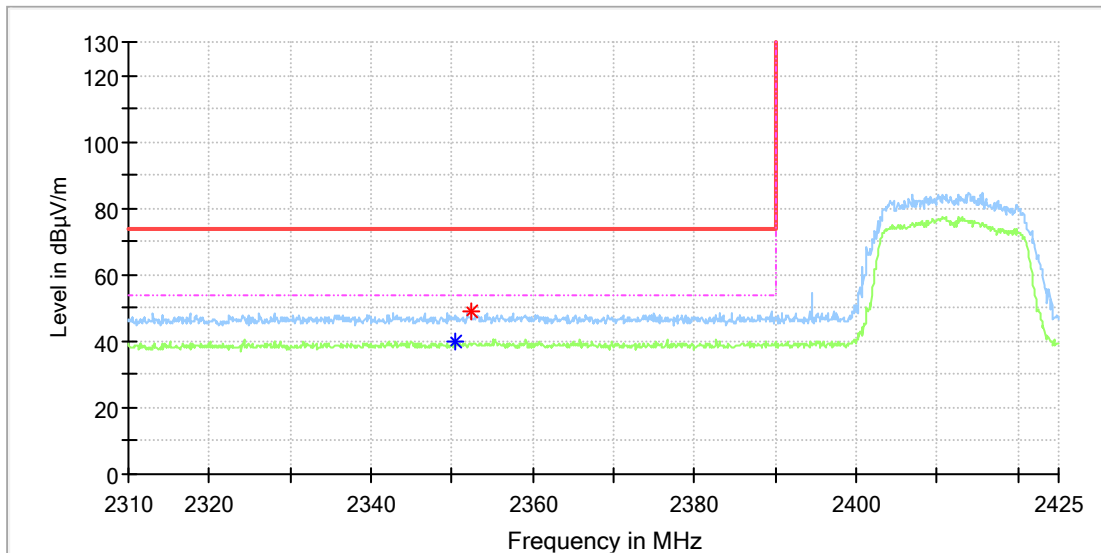
### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

**Wi-Fi 802.11 n mode, MCS0**

**EUT Information**

EUT Name:	Portable Mass Spectrometry System
Model:	C3001
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168398034/A003376045-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



**Critical Freqs**

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2350.300000	---	40.20	54.00	13.80	100.0	H	315.0	6.9
2352.400000	48.86	---	74.00	25.14	100.0	H	194.0	6.9

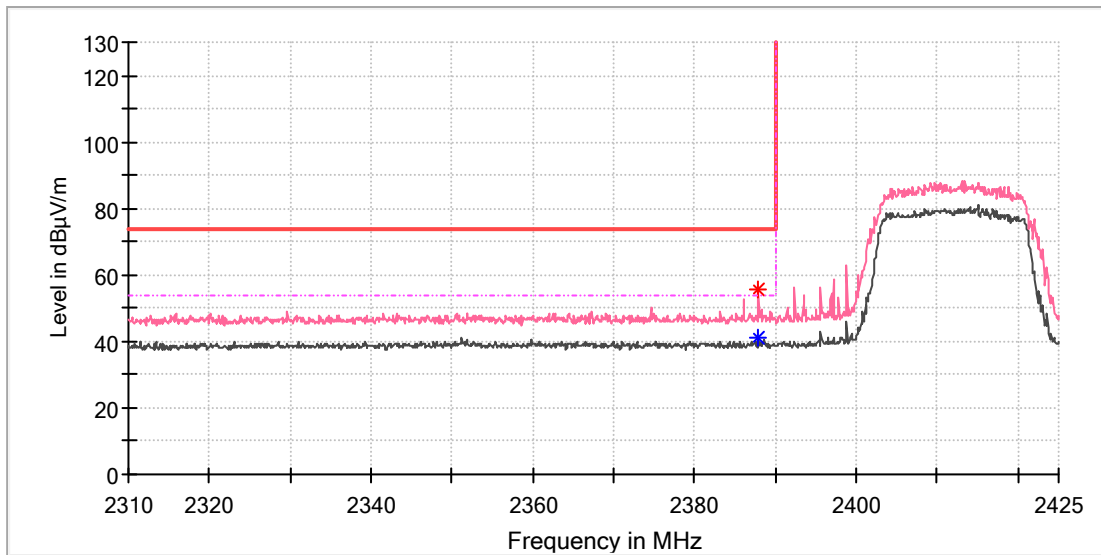
**Final Result**

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---



### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11n20\_Ch1  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

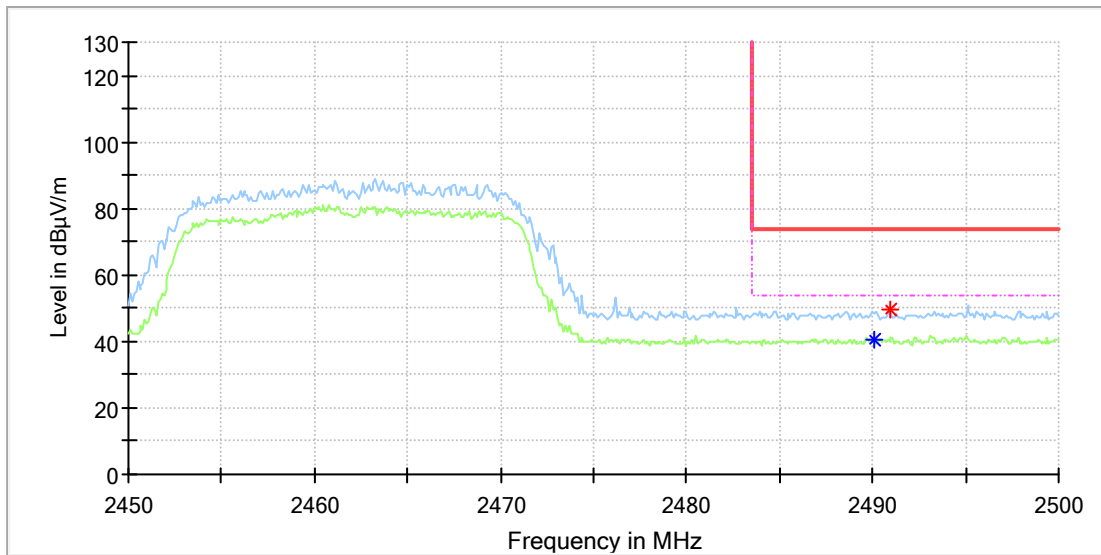
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.900000	---	40.85	54.00	13.15	100.0	V	14.0	7.0
2387.900000	55.93	---	74.00	18.07	100.0	V	14.0	7.0

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11n20\_Ch11  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

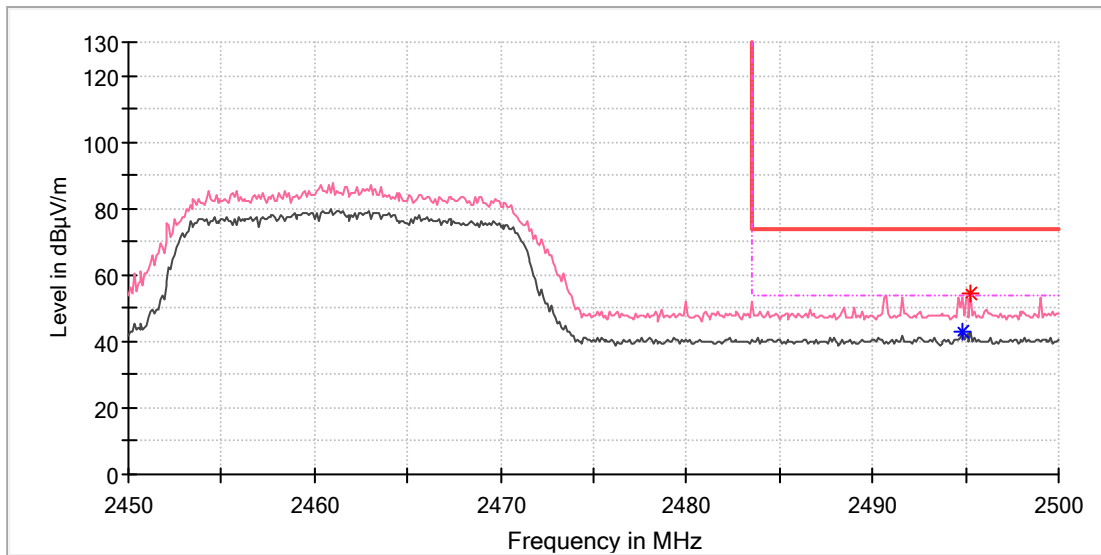
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2490.100000	---	40.79	54.00	13.21	100.0	H	264.0	7.4
2490.900000	49.70	---	74.00	24.30	100.0	H	67.0	7.4

### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Model: C3001  
 Test Mode: WIFI 2.4G\_11n20\_Ch11  
 Order No/Sample No: 168398034/A003376045-001  
 Test Voltage:: Battery  
 Remark: Temp 22 Humi:52%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2494.800000	---	43.02	54.00	10.98	100.0	V	174.0	7.4
2495.300000	54.42	---	74.00	19.58	100.0	V	174.0	7.4

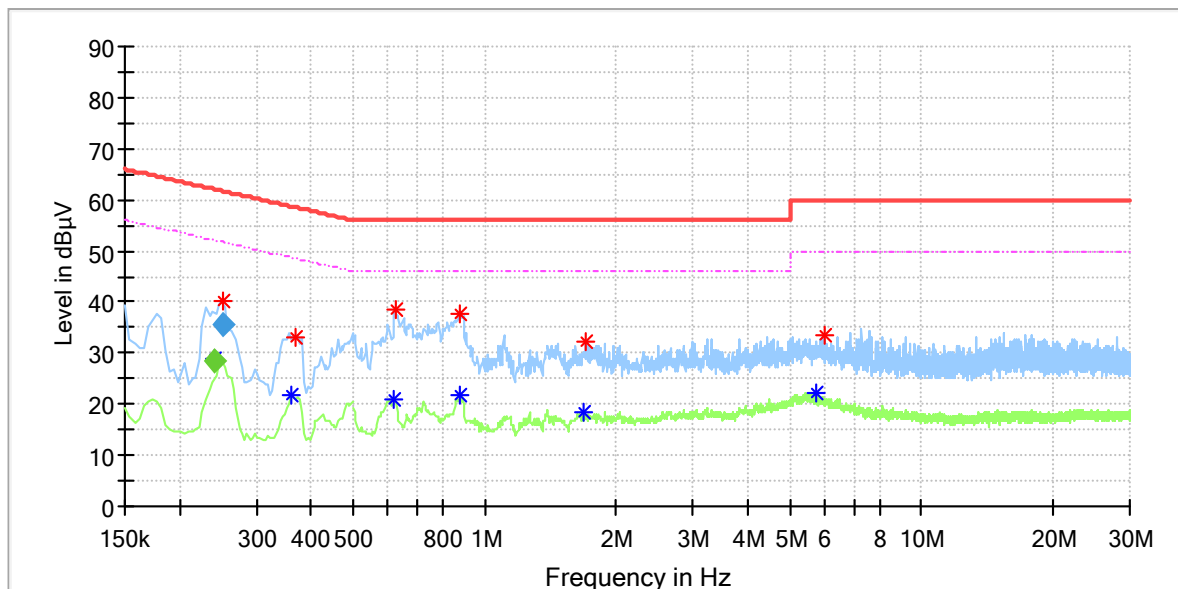
### Final\_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

## Appendix A.7: Test Plots of Conducted Emission on AC Mains

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Order No: 168398034 20  
 Model: C3001  
 Test Mode: ON, Normal working with Wi-Fi and RF ID connected  
 Test Voltage: AC 120V/60Hz  
 Test Standard: FCC Part 15B  
 Test By/Review By: Kevin Zhou/Gary Chen  
 Tem./Hum./Pressure: 25.3°C/50.7%/101kPa  
 Remark: SR1



### Critical\_Freqs

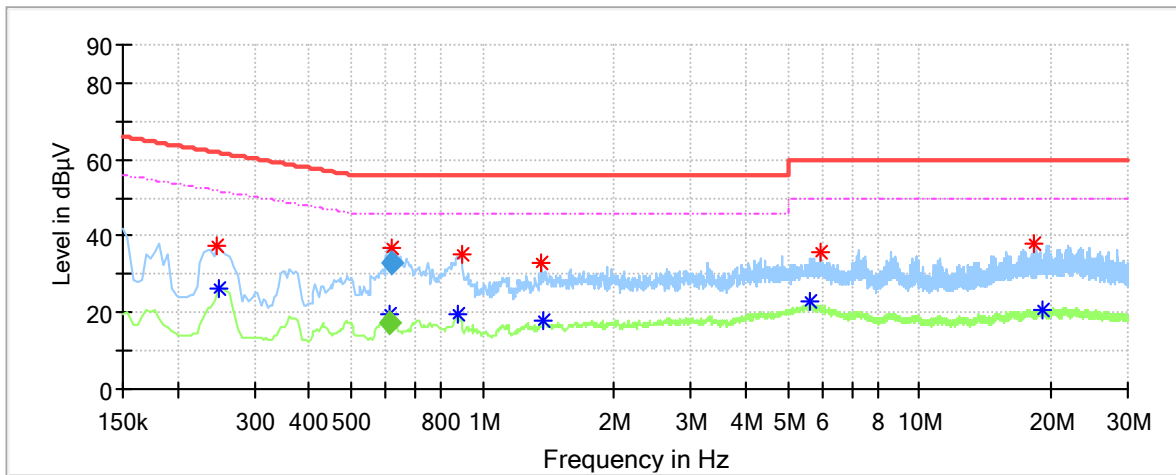
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.240500	---	28.75	51.76	23.01	L1	9.8
0.252500	40.04	---	61.76	21.72	L1	9.8
0.362000	---	21.72	48.68	26.96	L1	10.0
0.370000	33.03	---	58.50	25.47	L1	10.0
0.620000	---	20.73	46.00	25.27	L1	9.9
0.624000	38.44	---	56.00	17.56	L1	9.9
0.880000	---	21.57	46.00	24.43	L1	9.8
0.880000	37.62	---	56.00	18.38	L1	9.8
1.692000	---	18.31	46.00	27.69	L1	9.9
1.704000	32.39	---	56.00	23.61	L1	9.9
5.748000	---	22.01	50.00	27.99	L1	10.1
5.984000	33.30	---	60.00	26.70	L1	10.1

### Final\_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.240500	---	28.53	52.08	23.55	1000.0	9.000	L1	9.8
0.252500	35.57	---	61.68	26.10	1000.0	9.000	L1	9.8

### EUT Information

EUT Name: Portable Mass Spectrometry System  
 Order No: 168398034 20  
 Model: C3001  
 Test Mode: ON, Normal working with Wi-Fi and RF ID connected  
 Test Voltage: AC 120V/60Hz  
 Test Standard: FCC Part 15B  
 Test By/Review By: Kevin Zhou/Gary Chen  
 Tem./Hum./Pressure: 25.3°C/50.7%/101kPa  
 Remark: SR1



— Preview Result 2-AVG  
\* Critical\_Freqs AVG  
— CISPR32\_ClassB Mains\_QP  
◆ Final\_Result QPK  
— Preview Result 1-PK+  
\* Critical\_Freqs PK+  
- - - CISPR32\_ClassB Mains\_Average  
◆ Final\_Result AVG

### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.246000	37.35	---	61.89	24.54	N	9.7
0.250000	---	26.27	51.76	25.48	N	9.7
0.614500	---	19.61	46.00	26.39	N	9.9
0.621500	36.63	---	56.00	19.37	N	9.9
0.880000	---	19.37	46.00	26.63	N	9.8
0.896000	35.17	---	56.00	20.83	N	9.8
1.364000	32.90	---	56.00	23.10	N	9.8
1.380000	---	17.65	46.00	28.35	N	9.8
5.584000	---	22.68	50.00	27.32	N	10.1
5.948000	35.55	---	60.00	24.45	N	10.1
18.236000	37.87	---	60.00	22.13	N	10.5
19.036000	---	20.67	50.00	29.33	N	10.6

### Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.614500	---	17.29	46.00	28.71	1000.0	9.000	N	9.9
0.621500	33.04	---	56.00	22.96	1000.0	9.000	N	9.9