

Appendix B: Test Results of 2.4GHz SDR

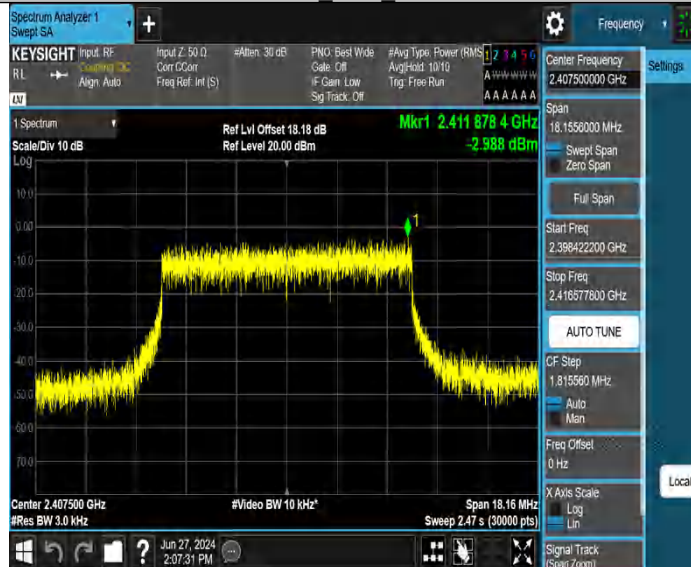
APPENDIX B: TEST RESULTS OF 2.4GHZ SDR	1
APPENDIX B.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
2.4GHz SDR, 10MHz BW	2
2.4GHz SDR, 20MHz BW	5
2.4GHz SDR, 40MHz BW	8
2.4GHz SDR, 60MHz BW	11
APPENDIX B.2: TEST RESULTS OF 6DB BANDWIDTH	14
2.4GHz SDR, 10MHz BW	14
2.4GHz SDR, 20MHz BW	16
2.4GHz SDR, 40MHz BW	18
2.4GHz SDR, 60MHz BW	20
APPENDIX B.3: TEST RESULTS OF 99% BANDWIDTH	22
2.4GHz SDR, 10MHz BW	22
2.4GHz SDR, 20MHz BW	24
2.4GHz SDR, 40MHz BW	26
2.4GHz SDR, 60MHz BW	28
APPENDIX B.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH	30
Bandedge	30
Conducted Spurious Emission	38
APPENDIX B.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	54
30MHz - 1GHz	54
1GHz - 18GHz	56
APPENDIX B.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	72
2.4GHz SDR, 10MHz BW	72
2.4GHz SDR, 20MHz BW	76
2.4GHz SDR, 40MHz BW	80
2.4GHz SDR, 60MHz BW	84
APPENDIX B.7: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS	88

Appendix B.1: Test Results of Conducted Power Spectral Density

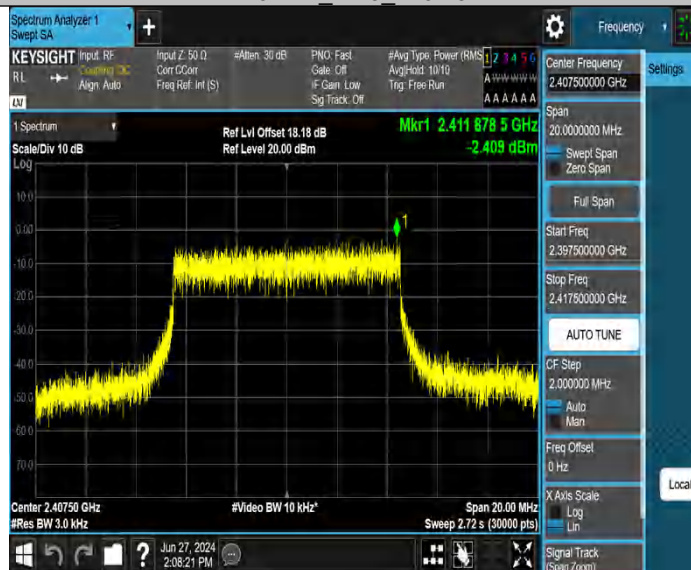
2.4GHz SDR, 10MHz BW

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
10MHz	Ant0	2407.5	-2.99	≤8.00	PASS
	Ant3	2407.5	-2.41	≤8.00	PASS
	total	2407.5	0.32	≤8.00	PASS
	Ant0	2437.5	-2.70	≤8.00	PASS
	Ant3	2437.5	-2.39	≤8.00	PASS
	total	2437.5	0.47	≤8.00	PASS
	Ant0	2467.5	-2.66	≤8.00	PASS
	Ant3	2467.5	-2.64	≤8.00	PASS
	total	2467.5	0.36	≤8.00	PASS

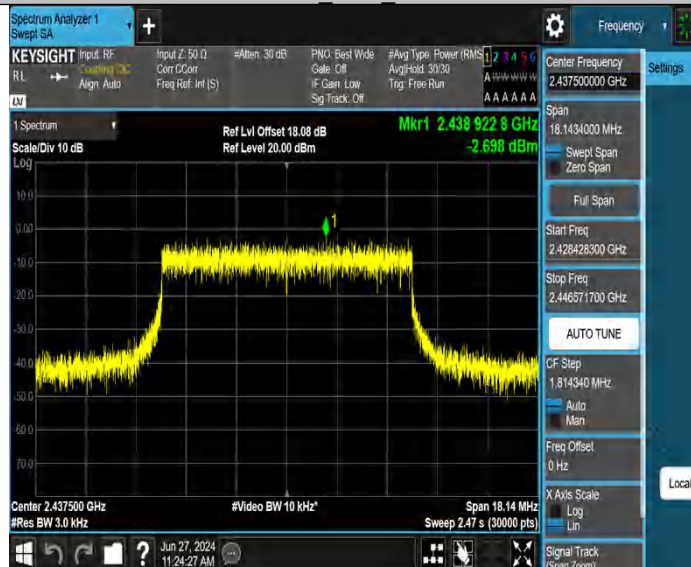
10MHz_Ant0_2407.5



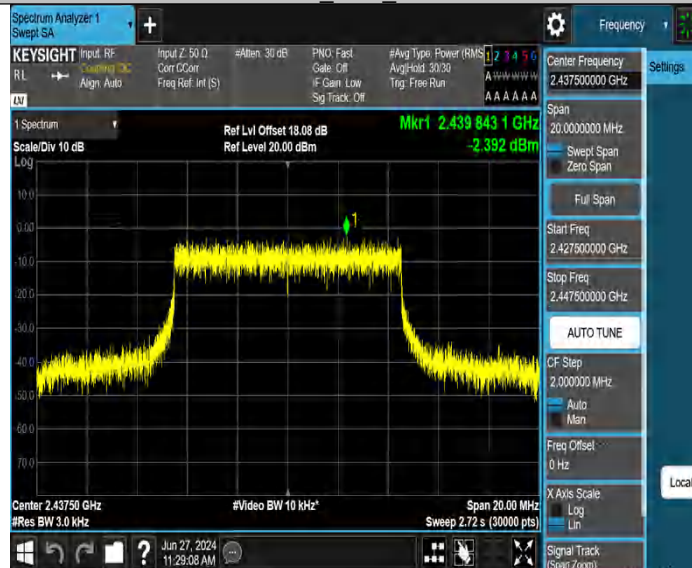
10MHz_Ant3_2407.5



10MHz_Ant0_2437.5



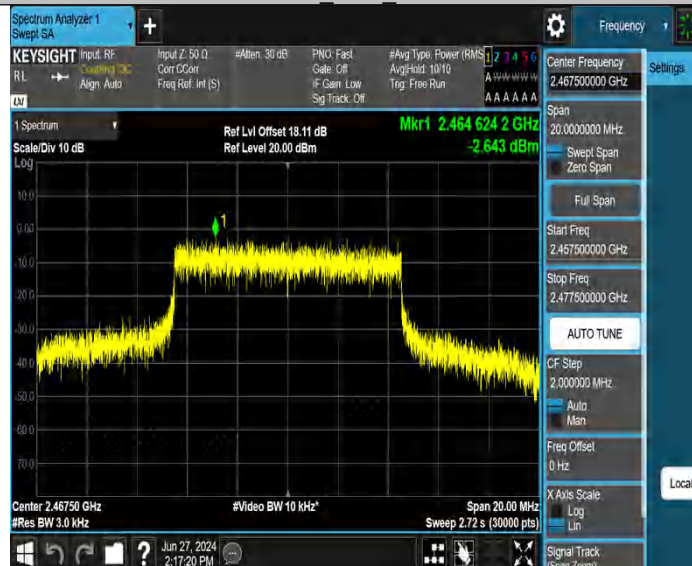
10MHz Ant3 2437.5



10MHz Ant0 2467.5

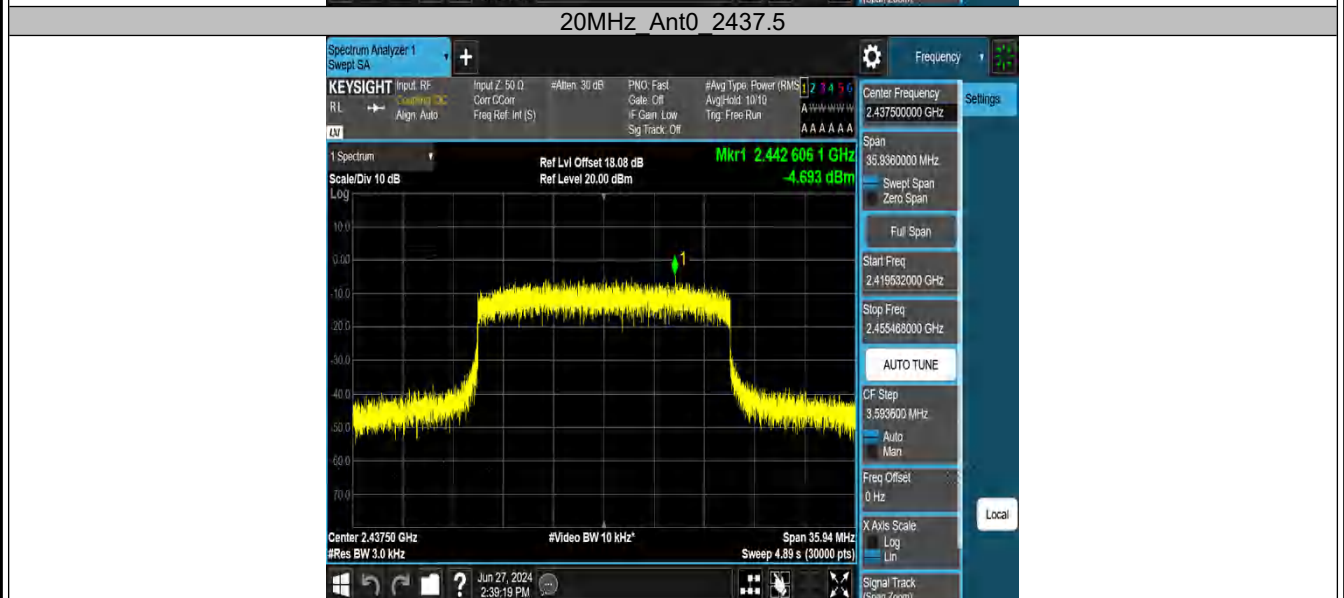
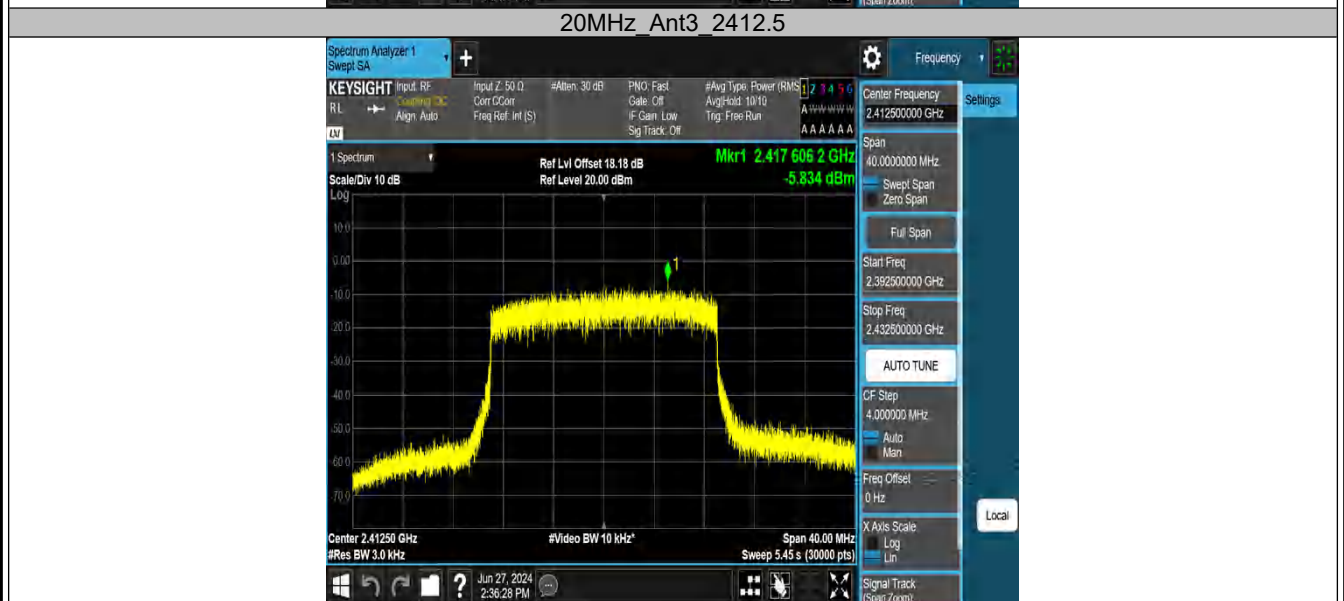
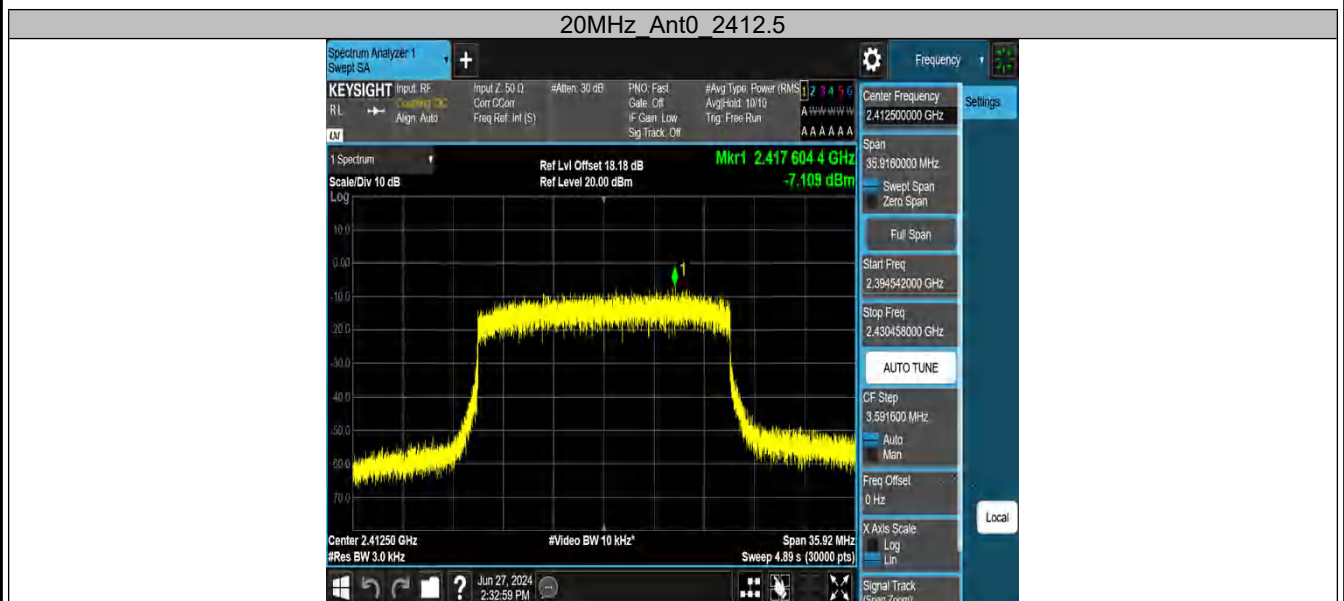


10MHz Ant3 2467.5

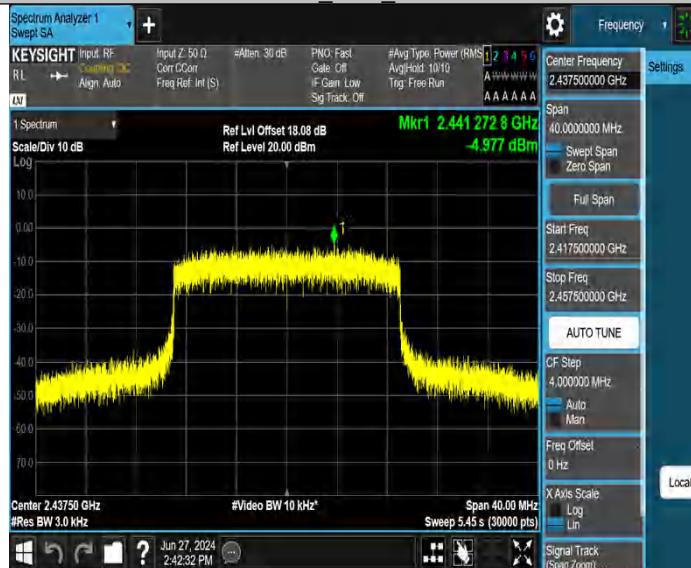


2.4GHz SDR, 20MHz BW

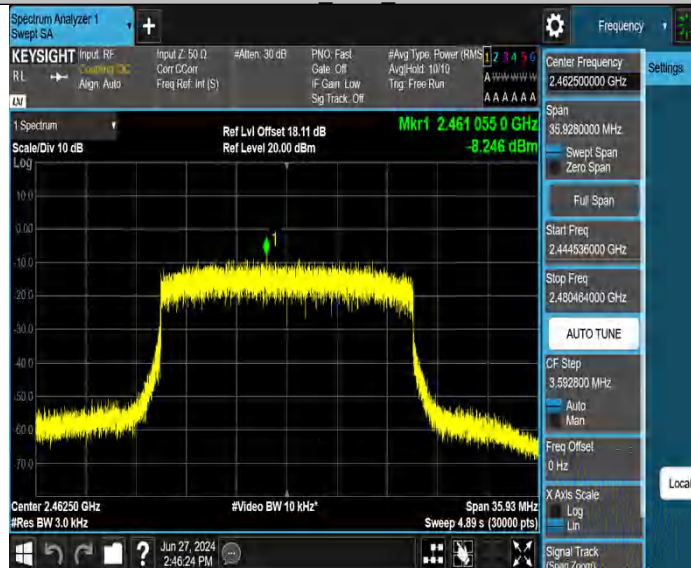
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
20MHz	Ant0	2412.5	-7.11	≤8.00	PASS
	Ant3	2412.5	-5.83	≤8.00	PASS
	total	2412.5	-3.41	≤8.00	PASS
	Ant0	2437.5	-4.69	≤8.00	PASS
	Ant3	2437.5	-4.98	≤8.00	PASS
	total	2437.5	-1.82	≤8.00	PASS
	Ant0	2462.5	-8.25	≤8.00	PASS
	Ant3	2462.5	-8.86	≤8.00	PASS
	total	2462.5	-5.53	≤8.00	PASS



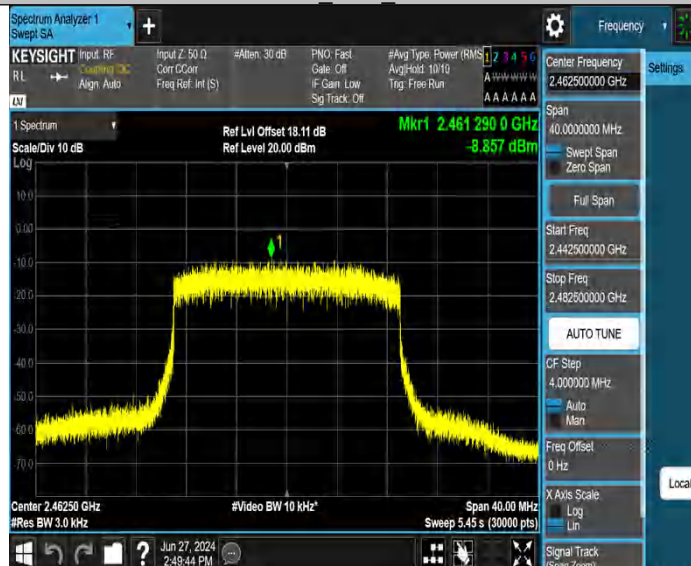
20MHz Ant3 2437.5



20MHz Ant0 2462.5



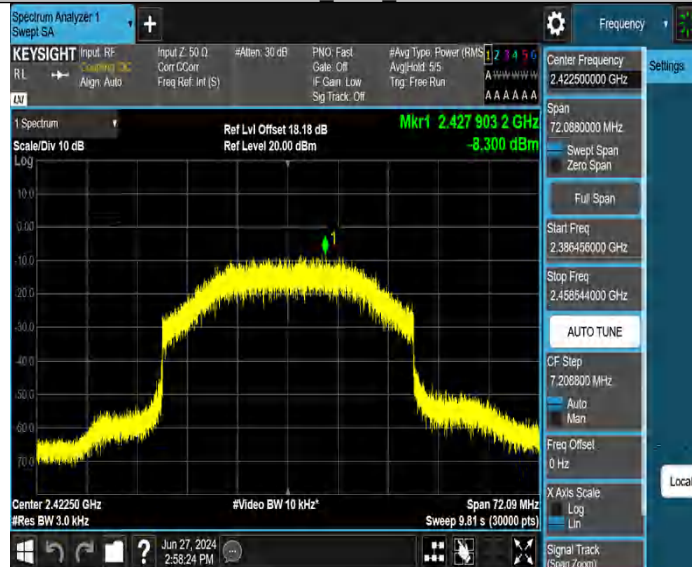
20MHz Ant3 2462.5



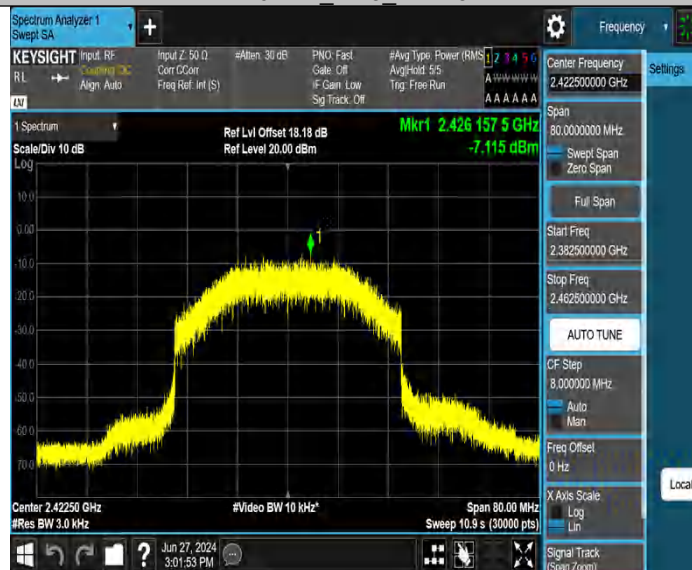
2.4GHz SDR, 40MHz BW

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
40MHz	Ant0	2422.5	-8.30	≤8.00	PASS
	Ant3	2422.5	-7.12	≤8.00	PASS
	total	2422.5	-4.66	≤8.00	PASS
	Ant0	2437.5	-7.07	≤8.00	PASS
	Ant3	2437.5	-7.17	≤8.00	PASS
	total	2437.5	-4.11	≤8.00	PASS
	Ant0	2452.5	-7.30	≤8.00	PASS
	Ant3	2452.5	-8.15	≤8.00	PASS
	total	2452.5	-4.69	≤8.00	PASS

40MHz Ant0 2422.5



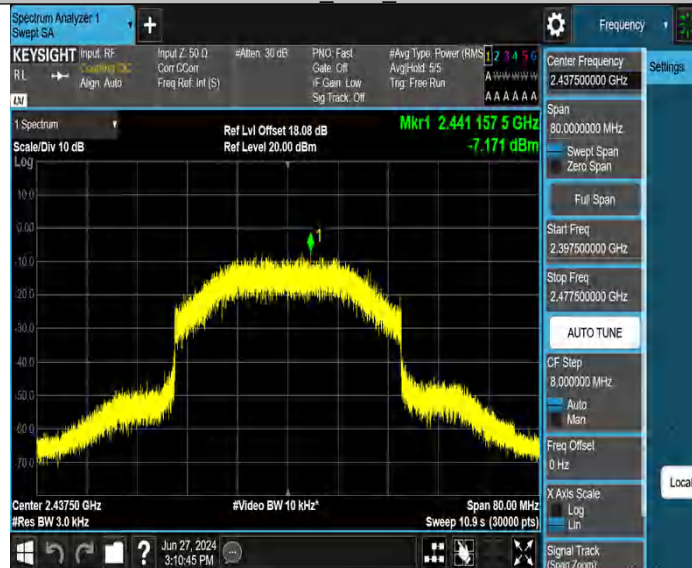
40MHz Ant3 2422.5



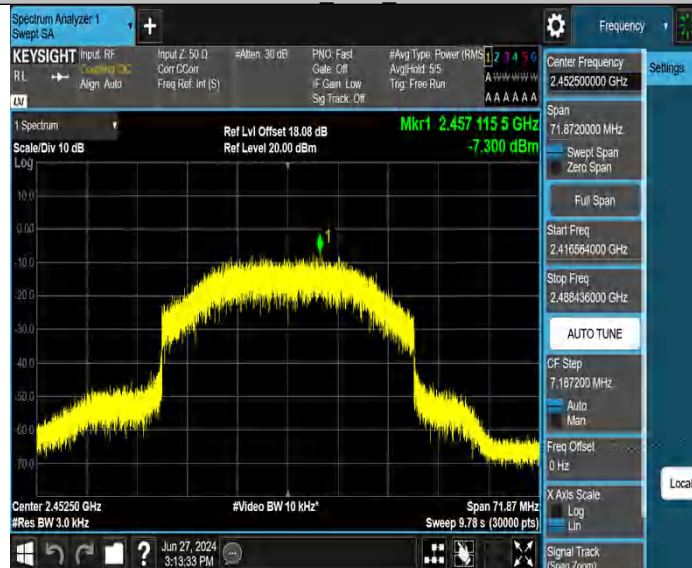
40MHz Ant0 2437.5



40MHz Ant3 2437.5



40MHz Ant0 2452.5

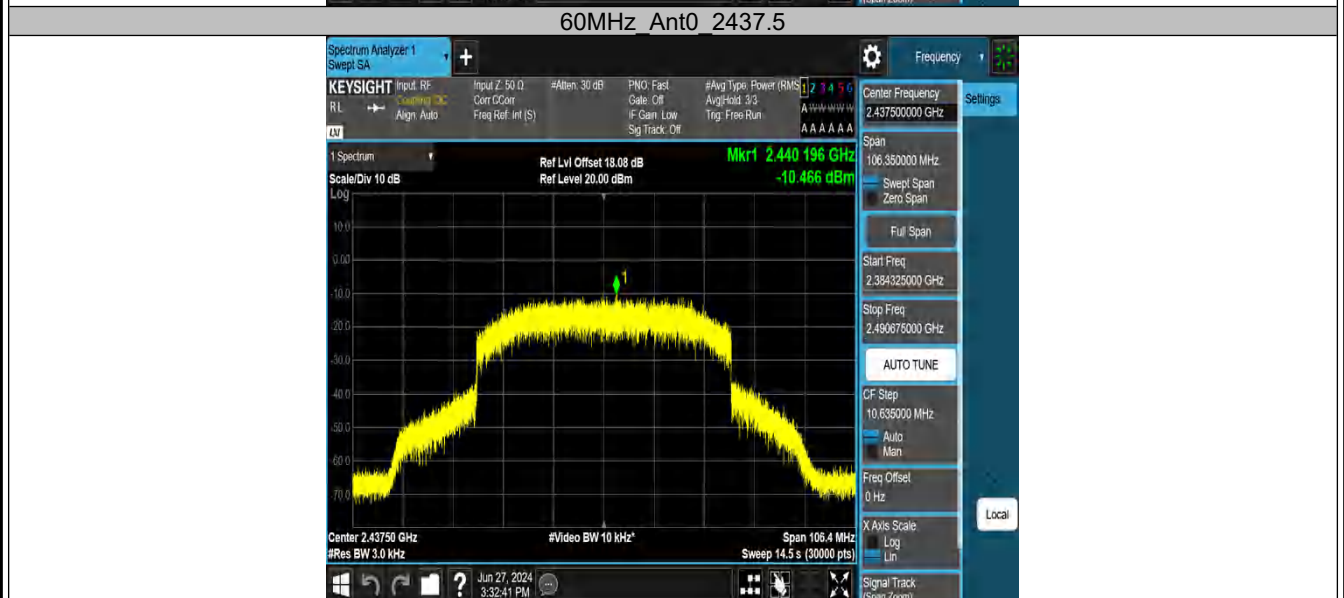
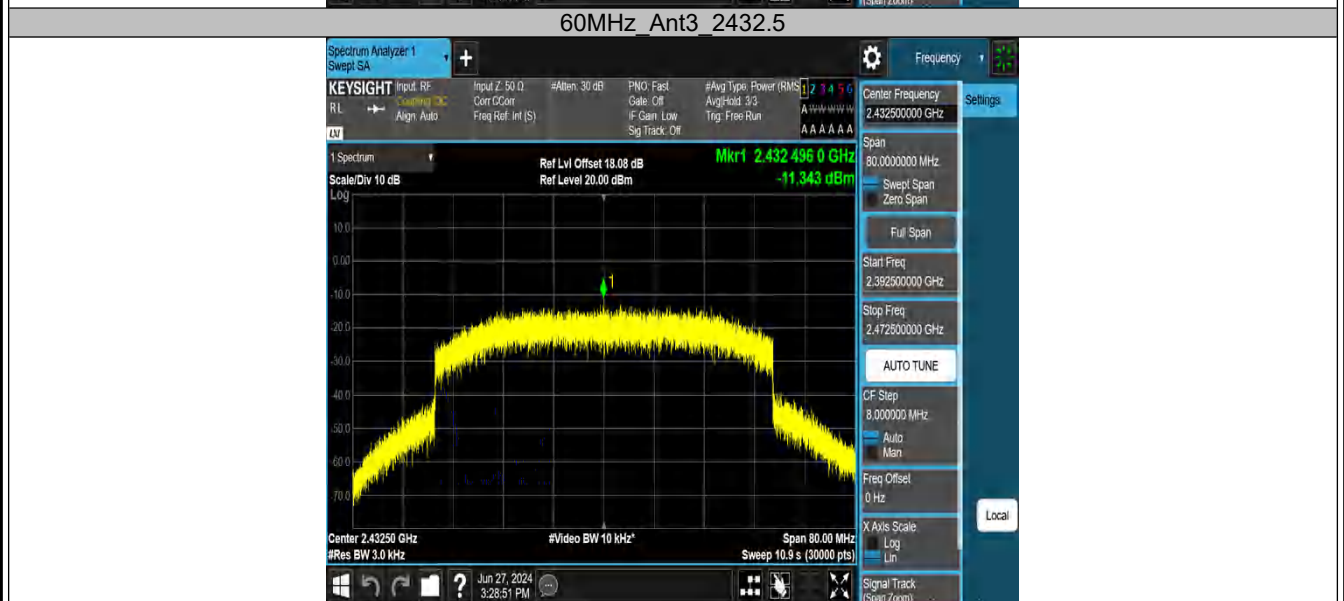
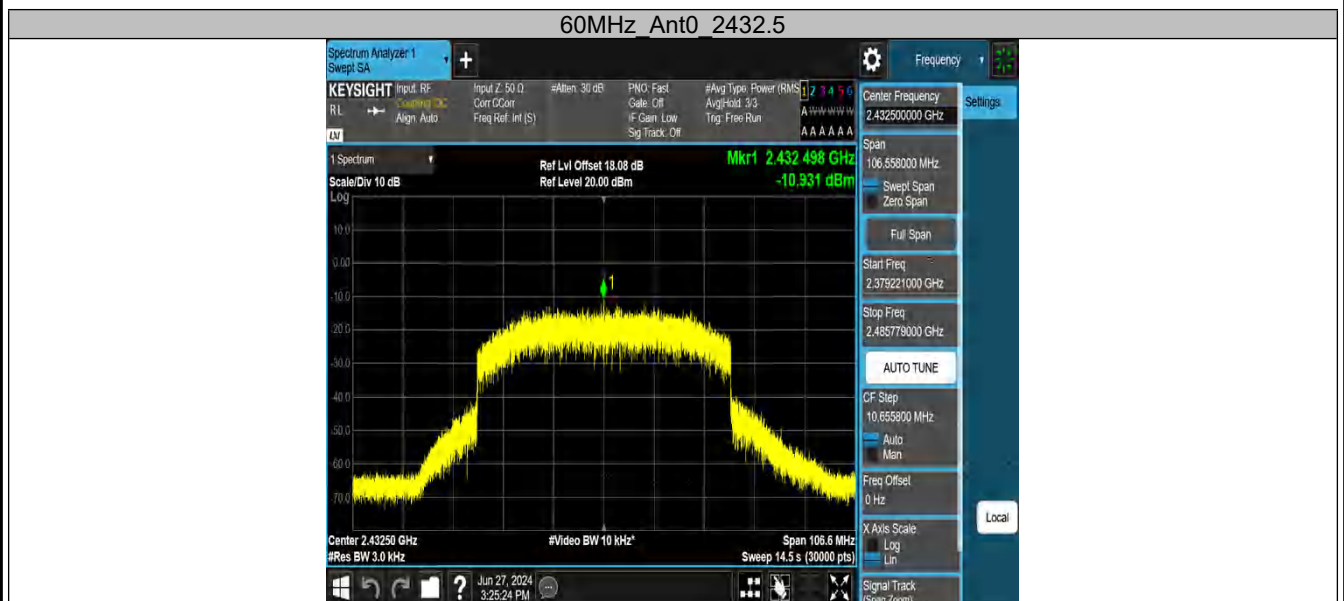


40MHz Ant3 2452.5

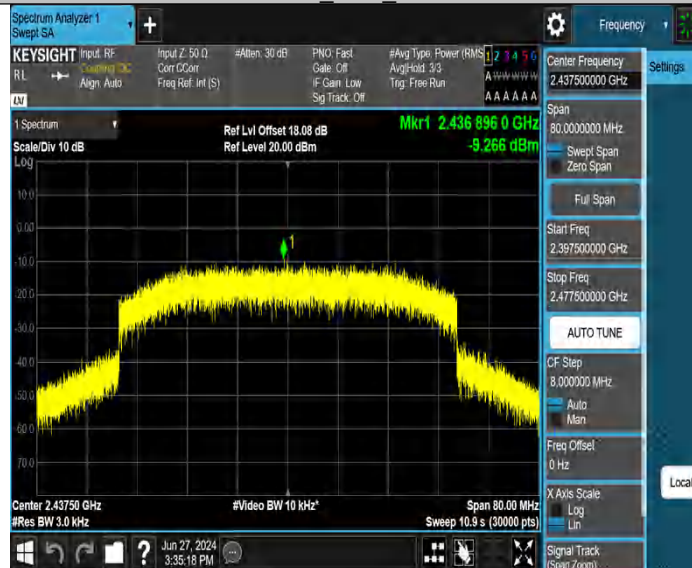


2.4GHz SDR, 60MHz BW

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
60MHz	Ant0	2432.5	-10.93	≤8.00	PASS
	Ant3	2432.5	-11.34	≤8.00	PASS
	total	2432.5	-8.12	≤8.00	PASS
	Ant0	2437.5	-10.47	≤8.00	PASS
	Ant3	2437.5	-9.27	≤8.00	PASS
	total	2437.5	-6.82	≤8.00	PASS
	Ant0	2442.5	-10.78	≤8.00	PASS
	Ant3	2442.5	-10.04	≤8.00	PASS
	total	2442.5	-7.38	≤8.00	PASS



60MHz Ant3 2437.5



60MHz Ant0 2442.5



60MHz Ant3 2442.5



Appendix B.2: Test Results of 6dB Bandwidth

Note: This testing was carried out on SISO mode and MIMO mode, but only the worst case (ANT0) was presented in this report.

2.4GHz SDR, 10MHz BW

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10MHz	Ant0	2407.5	9.020	2403.000	2412.020	0.5	PASS
		2437.5	9.040	2432.980	2442.020	0.5	PASS
		2467.5	9.020	2462.980	2472.000	0.5	PASS

10MHz Ant0_2407.5



10MHz Ant0_2437.5



10MHz Ant0_2467.5



2.4GHz SDR, 20MHz BW

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20MHz	Ant0	2412.5	17.960	2403.540	2421.500	0.5	PASS
		2437.5	18.000	2428.500	2446.500	0.5	PASS
		2462.5	17.960	2453.500	2471.460	0.5	PASS

20MHz Ant0_2412.5



20MHz Ant0_2437.5



20MHz Ant0_2462.5



2.4GHz SDR, 40MHz BW

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
40MHz	Ant0	2422.5	35.280	2405.220	2440.500	0.5	PASS
		2437.5	36.000	2419.500	2455.500	0.5	PASS
		2452.5	35.920	2434.500	2470.420	0.5	PASS

40MHz Ant0_2422.5



40MHz Ant0_2437.5



40MHz Ant0_2452.5



2.4GHz SDR, 60MHz BW

TestMode	Antenna	Channel	DTS BW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
60MHz	Ant0	2432.5	53.520	2405.780	2459.300	0.5	PASS
		2437.5	52.480	2411.580	2464.060	0.5	PASS
		2442.5	53.520	2415.700	2469.220	0.5	PASS

60MHz Ant0_2432.5



60MHz Ant0_2437.5



60MHz Ant0_2442.5



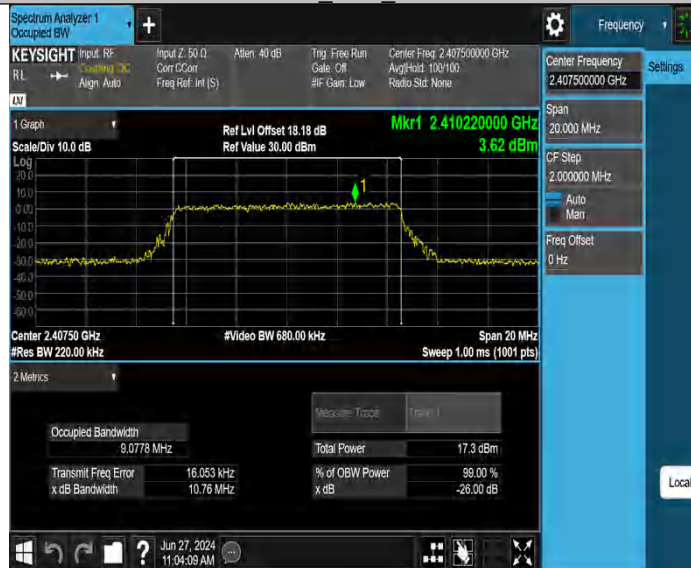
Appendix B.3: Test Results of 99% Bandwidth

Note: This testing was carried out on SISO mode and MIMO mode, but only the worst case (ANT0) was presented in this report.

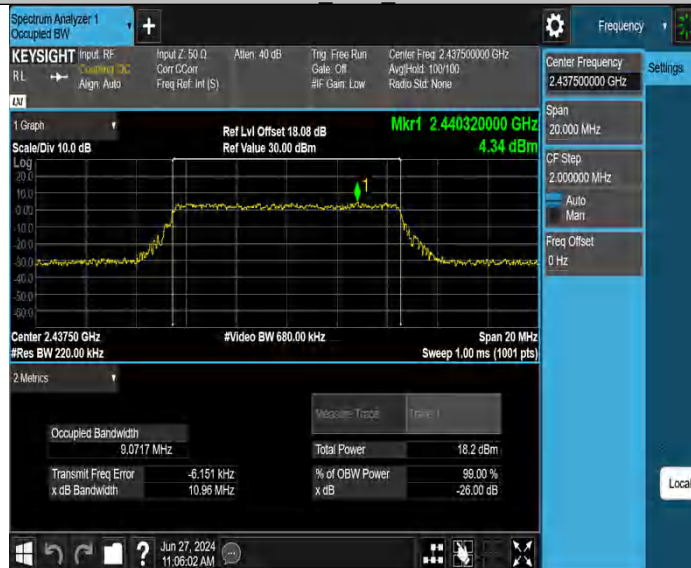
2.4GHz SDR, 10MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10MHz	Ant0	2407.5	9.0778	2402.9772	2412.0550	---	PASS
		2437.5	9.0717	2432.9580	2442.0297	---	PASS
		2467.5	9.0338	2462.9810	2472.0148	---	PASS

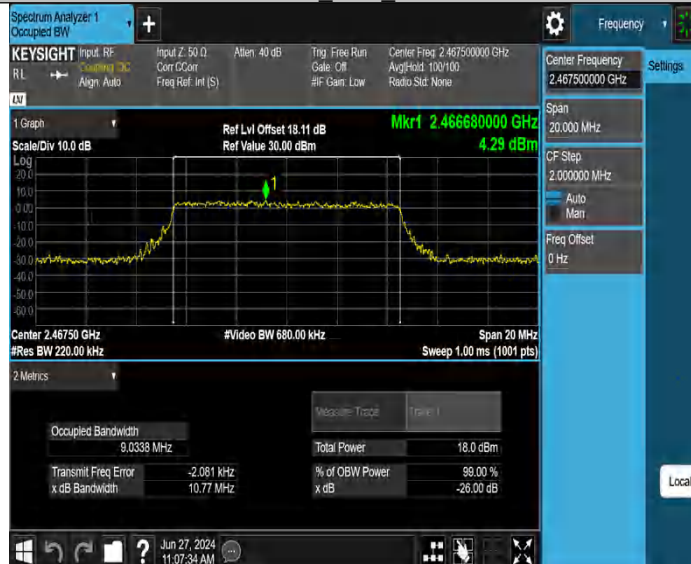
10MHz Ant0 2407.5



10MHz Ant0 2437.5



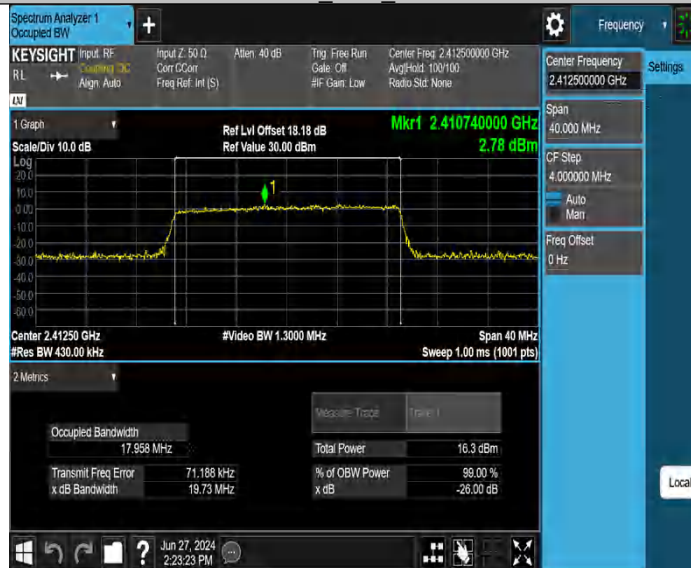
10MHz Ant0 2467.5



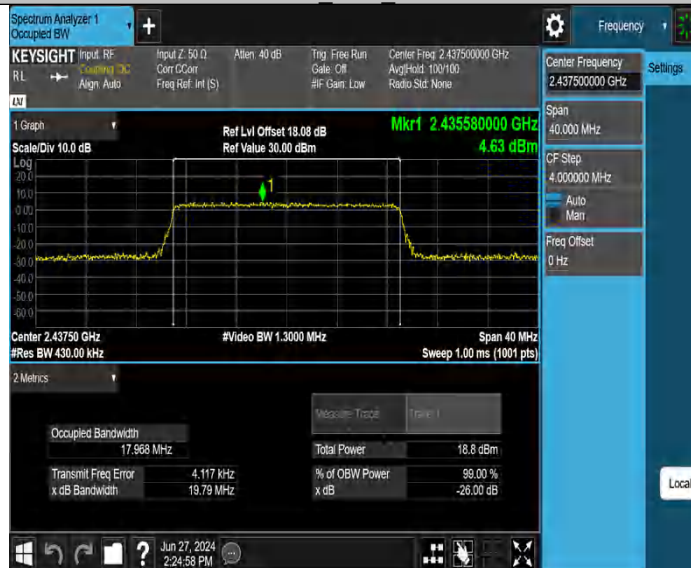
2.4GHz SDR, 20MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20MHz	Ant0	2412.5	17.958	2403.5922	2421.5502	---	PASS
		2437.5	17.968	2428.5201	2446.4881	---	PASS
		2462.5	17.964	2453.4870	2471.4510	---	PASS

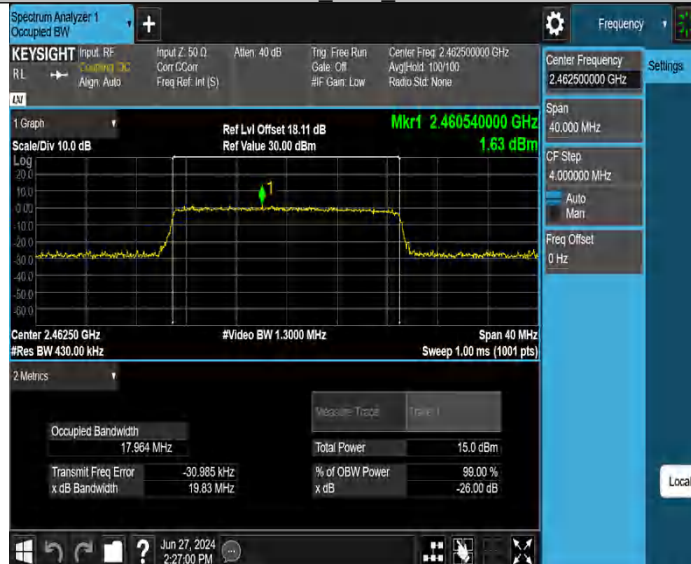
20MHz Ant0 2412.5



20MHz Ant0 2437.5



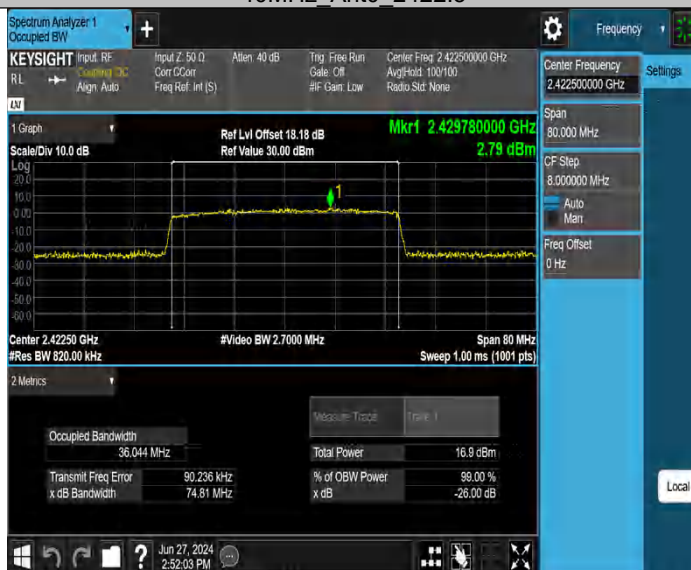
20MHz Ant0 2462.5



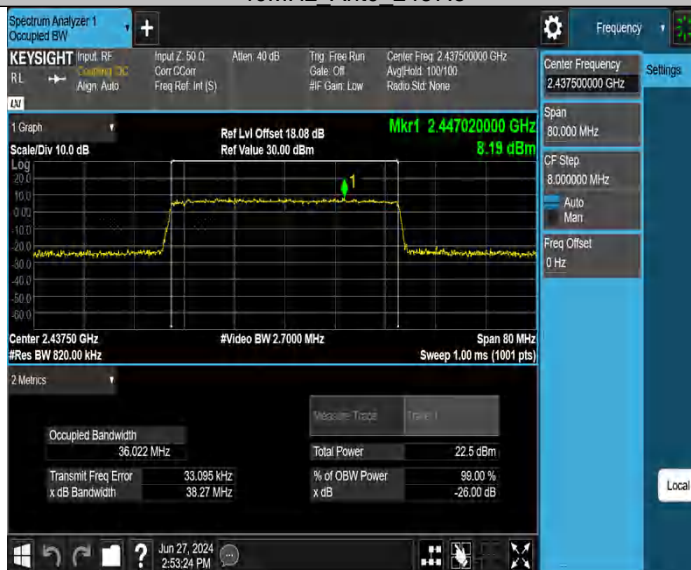
2.4GHz SDR, 40MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
40MHz	Ant0	2422.5	36.044	2404.5682	2440.6122	---	PASS
		2437.5	36.022	2419.5221	2455.5441	---	PASS
		2452.5	35.936	2434.5250	2470.4610	---	PASS

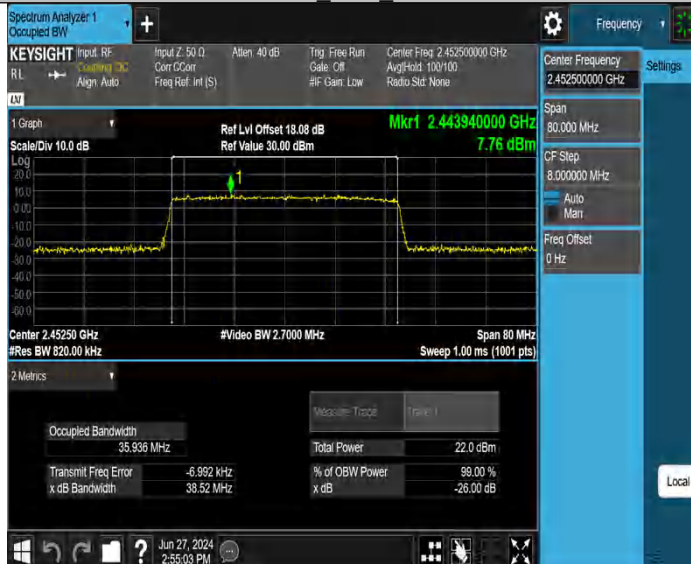
40MHz Ant0 2422.5



40MHz Ant0 2437.5



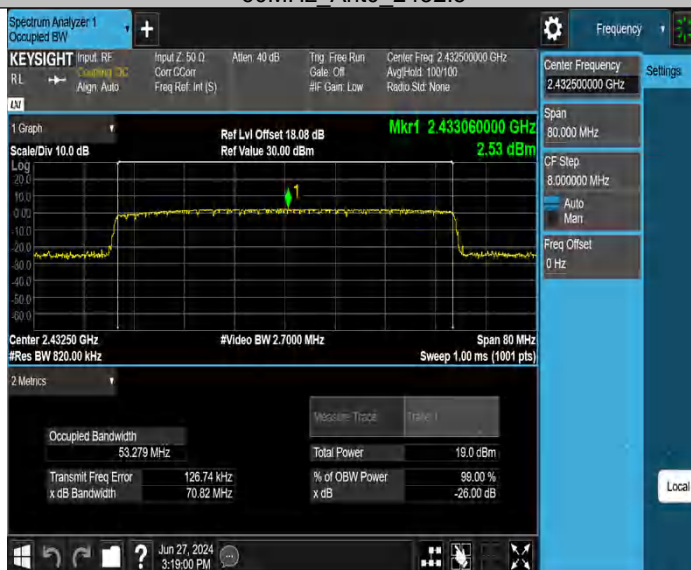
40MHz Ant0 2452.5



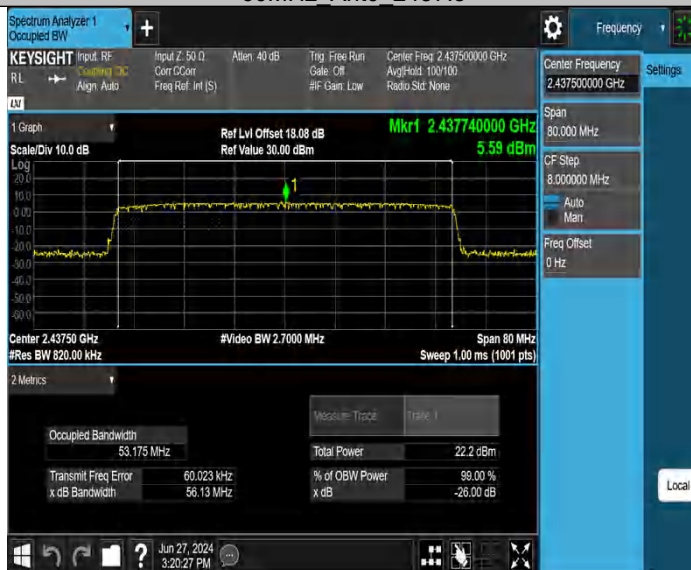
2.4GHz SDR, 60MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
60MHz	Ant0	2432.5	53.279	2405.9872	2459.2662	---	PASS
		2437.5	53.175	2410.9725	2464.1475	---	PASS
		2442.5	53.267	2415.8496	2469.1166	---	PASS

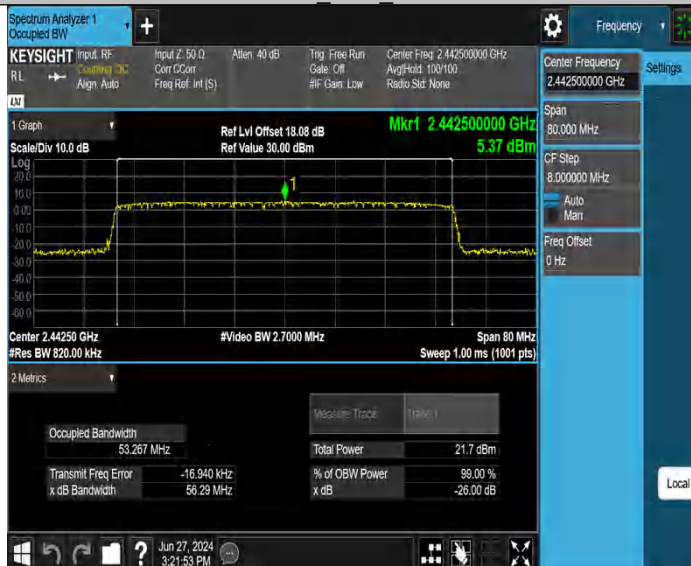
60MHz Ant0_2432.5



60MHz Ant0_2437.5



60MHz Ant0_2442.5



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

Note: This testing was carried out on SISO mode and MIMO mode, but only the worst case (ANT0) was presented in this report.

Bandedge

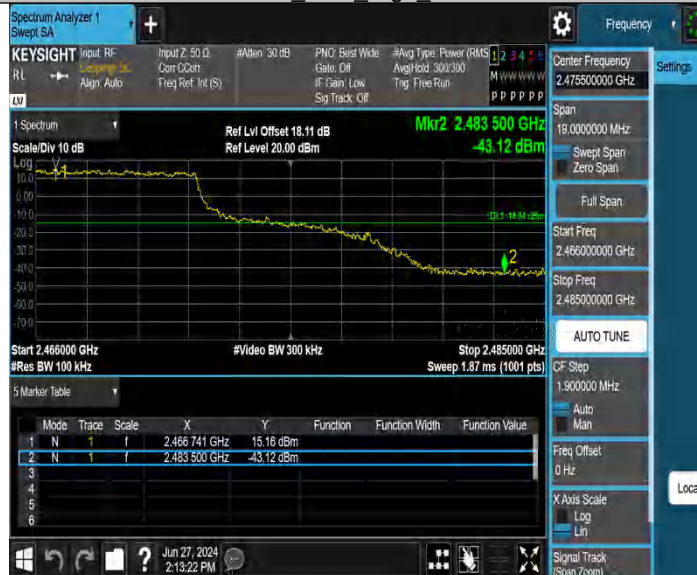
2.4GHz SDR, 10MHz BW

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
10MHz	Ant0	Low	2407.5	14.06	-24.03	≤-15.94	PASS
		High	2467.5	15.16	-43.12	≤-14.84	PASS

10MHz Ant0 Low 2407.5



10MHz Ant0 High 2467.5



2.4GHz SDR, 20MHz BW

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
20MHz	Ant0	Low	2412.5	10.67	-34.62	≤-19.33	PASS
		High	2462.5	10.15	-42.60	≤-19.85	PASS

20MHz Ant0 Low 2412.5



20MHz Ant0 High 2462.5



2.4GHz SDR, 40MHz BW

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
40MHz	Ant0	Low	2422.5	11.55	-36.30	≤-18.45	PASS
		High	2452.5	10.88	-44.28	≤-19.12	PASS

40MHz Ant0 Low 2422.5



40MHz Ant0 High 2452.5



2.4GHz SDR, 60MHz BW

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
60MHz	Ant0	Low	2432.5	5.813	-28.57	≤-24.19	PASS
		High	2442.5	9.361	-41.62	≤-20.64	PASS

60MHz Ant0 Low 2432.5



60MHz Ant0 High 2442.5



Conducted Spurious Emission

2.4GHz SDR, 10MHz BW

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
10MHz	Ant0	2407.5	Reference	13.86	13.86	---	PASS
			30~1000	13.86	-41.05	≤-16.14	PASS
			1000~26500	13.86	-32.44	≤-16.14	PASS
		2437.5	Reference	15.05	15.05	---	PASS
			30~1000	15.05	-41.48	≤-14.95	PASS
			1000~26500	15.05	-31.84	≤-14.95	PASS
		2467.5	Reference	14.97	14.97	---	PASS
			30~1000	14.97	-41.46	≤-15.03	PASS
			1000~26500	14.97	-31.75	≤-15.03	PASS

10MHz Ant0 2407.5 0~Reference



10MHz Ant0 2407.5 30~1000



10MHz Ant0 2407.5 1000~26500



10MHz Ant0_2437.5_0~Reference



10MHz Ant0_2437.5_30~1000



10MHz Ant0_2437.5_1000~26500



10MHz Ant0_2467.5_0~Reference



10MHz Ant0 2467.5 30~1000



10MHz Ant0 2467.5 1000~26500



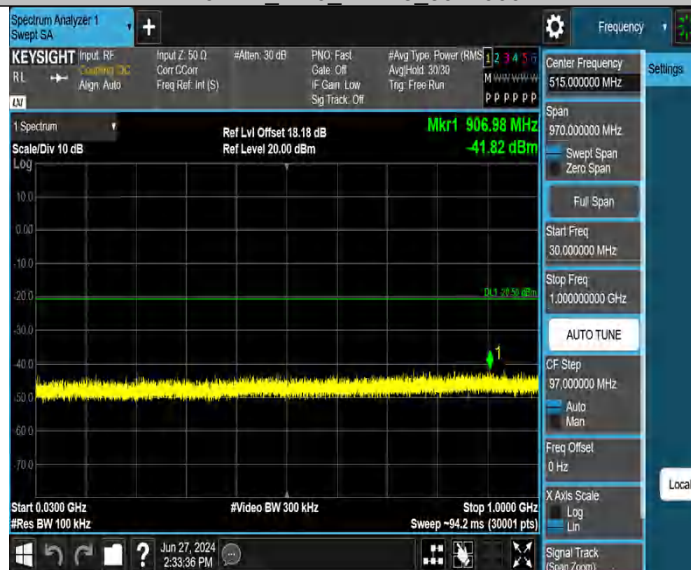
2.4GHz SDR, 20MHz BW

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
20MHz	Ant0	2412.5	Reference	9.50	9.50	---	PASS
			30~1000	9.50	-41.82	≤-20.5	PASS
			1000~26500	9.50	-31.82	≤-20.5	PASS
		2437.5	Reference	13.92	13.92	---	PASS
			30~1000	13.92	-42.48	≤-16.08	PASS
			1000~26500	13.92	-32.14	≤-16.08	PASS
		2462.5	Reference	9.24	9.24	---	PASS
			30~1000	9.24	-41.71	≤-20.76	PASS
			1000~26500	9.24	-32.89	≤-20.76	PASS

20MHz Ant0 2412.5 0~Reference



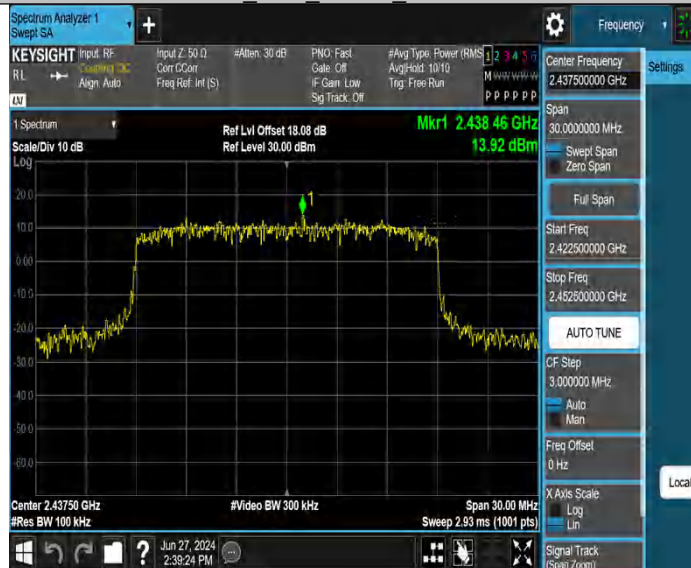
20MHz Ant0 2412.5 30~1000



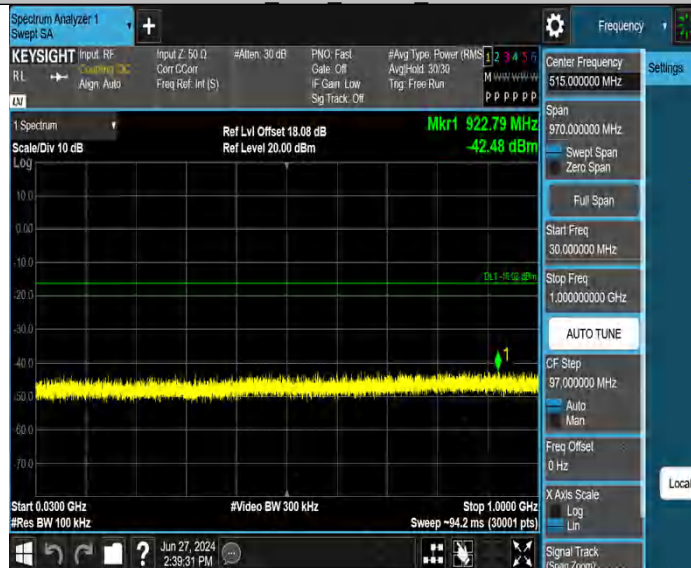
20MHz Ant0 2412.5 1000~26500



20MHz Ant0_2437.5_0~Reference



20MHz Ant0_2437.5_30~1000



20MHz Ant0_2437.5_1000~26500



20MHz Ant0_2462.5_0~Reference



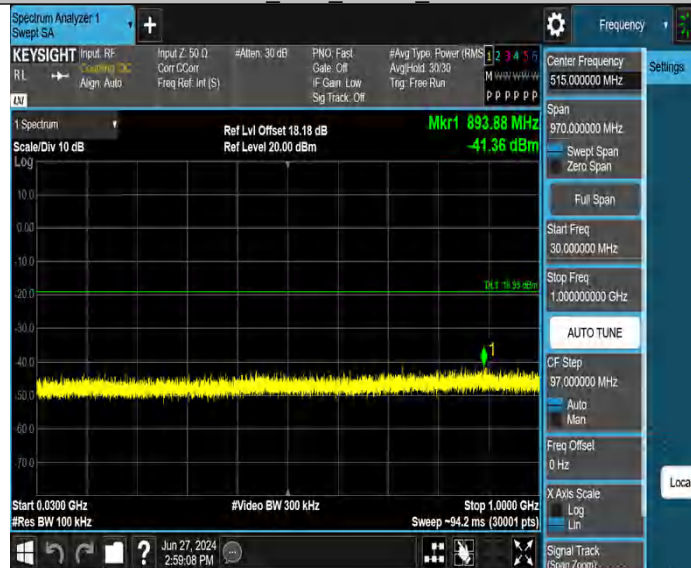
2.4GHz SDR, 40MHz BW

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
40MHz	Ant0	2422.5	Reference	11.05	11.05	---	PASS
			30~1000	11.05	-41.37	≤-18.95	PASS
			1000~26500	11.05	-32.67	≤-18.95	PASS
		2437.5	Reference	11.79	11.79	---	PASS
			30~1000	11.79	-41.61	≤-18.21	PASS
			1000~26500	11.79	-32.96	≤-18.21	PASS
		2452.5	Reference	10.37	10.37	---	PASS
			30~1000	10.37	-41.76	≤-19.63	PASS
			1000~26500	10.37	-32.57	≤-19.63	PASS

40MHz Ant0 2422.5 0~Reference



40MHz Ant0 2422.5 30~1000



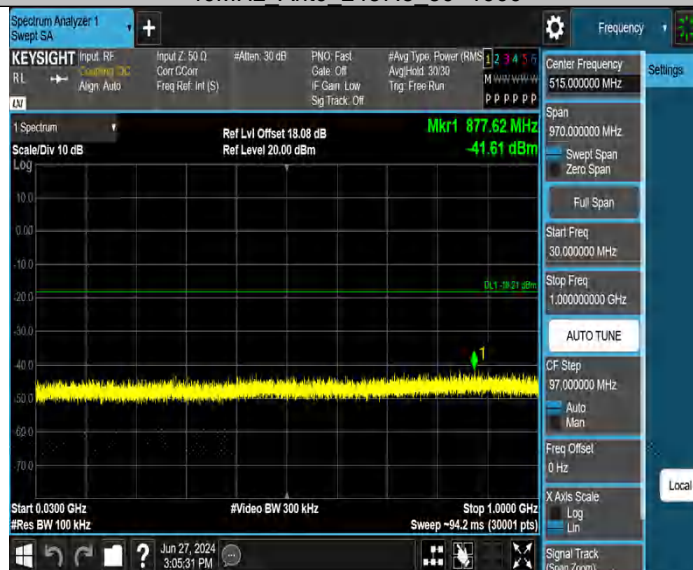
40MHz Ant0 2422.5 1000~26500



40MHz Ant0 2437.5 0~Reference



40MHz Ant0 2437.5 30~1000



40MHz Ant0 2437.5 1000~26500



40MHz Ant0 2452.5 0~Reference



40MHz Ant0 2452.5 30~1000



40MHz Ant0 2452.5 1000~26500



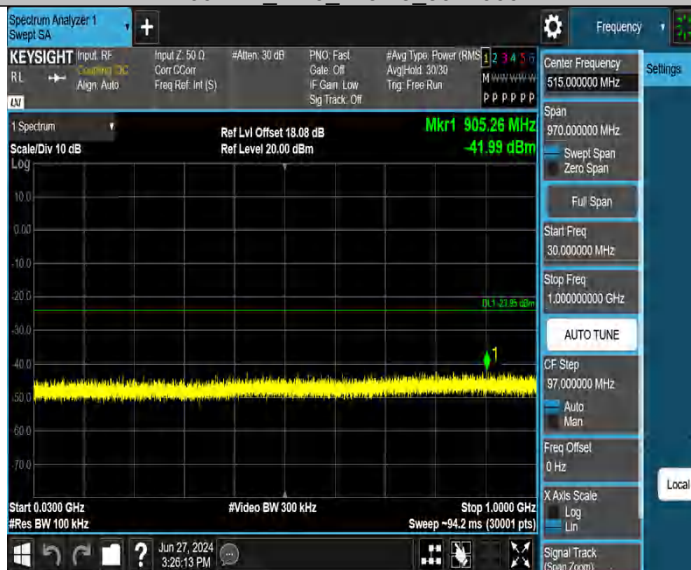
2.4GHz SDR, 60MHz BW

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
60MHz	Ant0	2432.5	Reference	6.05	6.05	---	PASS
			30~1000	6.05	-41.99	≤-23.95	PASS
			1000~26500	6.05	-32.53	≤-23.95	PASS
		2437.5	Reference	7.07	7.07	---	PASS
			30~1000	7.07	-41.56	≤-22.93	PASS
			1000~26500	7.07	-32.4	≤-22.93	PASS
		2442.5	Reference	7.45	7.45	---	PASS
			30~1000	7.45	-41.57	≤-22.55	PASS
			1000~26500	7.45	-32.02	≤-22.55	PASS

60MHz Ant0 2432.5 0~Reference



60MHz Ant0 2432.5 30~1000



60MHz Ant0 2432.5 1000~26500



60MHz Ant0 2437.5 0~Reference



60MHz Ant0 2437.5 30~1000



60MHz Ant0 2437.5 1000~26500



60MHz Ant0 2442.5 0~Reference



60MHz Ant0 2442.5 30~1000



60MHz Ant0 2442.5 1000~26500



Appendix B.5: Test Results of Radiated Spurious Emissions

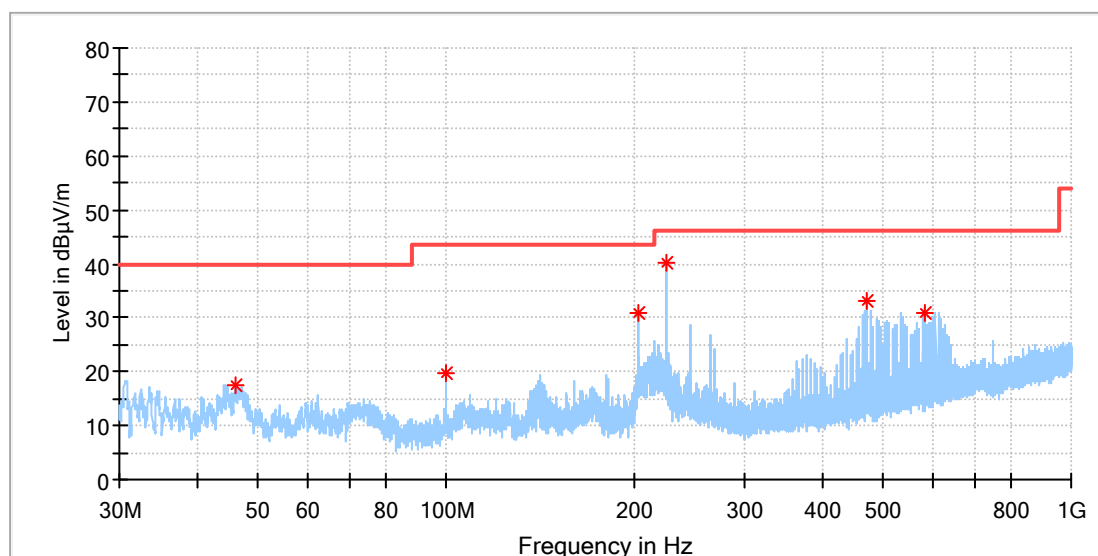
Note:

- 1) This testing was carried out on SISO mode and MIMO mode, but only the worst (MIMO Mode) case was presented in this report.
- 2) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 3) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz

EUT Information

EUT Name:	Drone
Model:	L3A
Test Mode:	SDR 2.4G_10M
Order No/Sample No:	168484696/A003743305-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

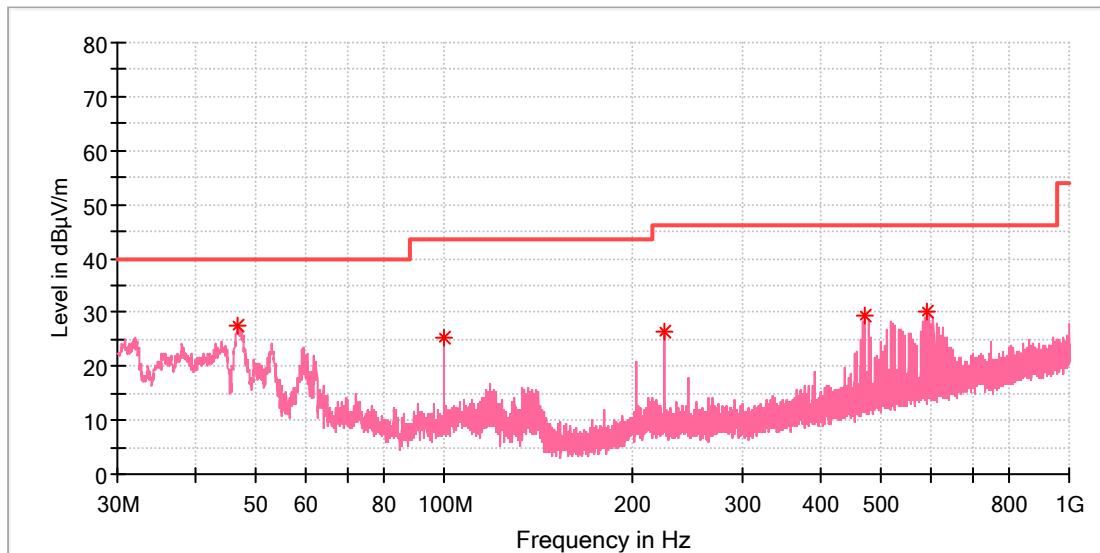
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.042308	17.65	40.00	22.35	100.0	H	121.0	-19.0
99.989231	19.59	43.50	23.91	100.0	H	49.0	-19.3
203.555385	30.82	43.50	12.68	100.0	H	65.0	-19.3
225.007308	40.03	46.00	5.97	100.0	H	80.0	-18.7
472.506539	33.13	46.00	12.87	100.0	H	246.0	-12.8
582.526923	30.85	46.00	15.15	100.0	H	270.0	-10.5

Final_Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_10M
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
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)
46.825769	27.52	40.00	12.48	100.0	V	0.0	-18.9
99.989231	25.31	43.50	18.19	100.0	V	113.0	-19.3
225.007308	26.44	46.00	19.56	100.0	V	180.0	-18.7
472.506539	29.25	46.00	16.75	100.0	V	96.0	-12.8
592.525385	30.09	46.00	15.91	100.0	V	343.0	-10.4

Final Result

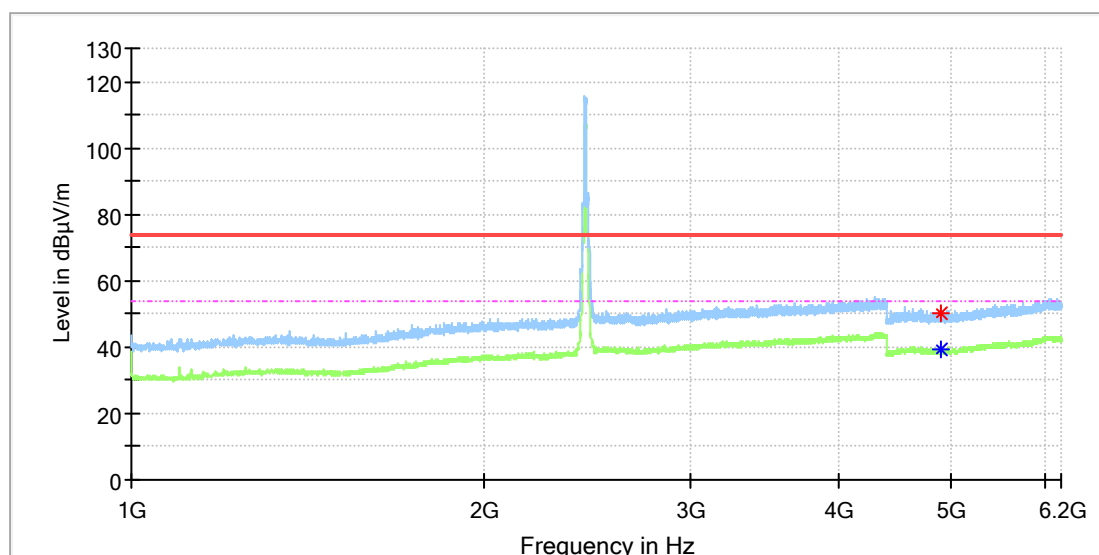
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

Note: The highest waveform in the figure is 2.4GHz SDR Fundamental.

EUT Information

EUT Name:	Drone
Model:	L3A
Test Mode:	SDR 2.4G_10M_2437.5MHz
Order No/Sample No:	168484696/A003743305-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

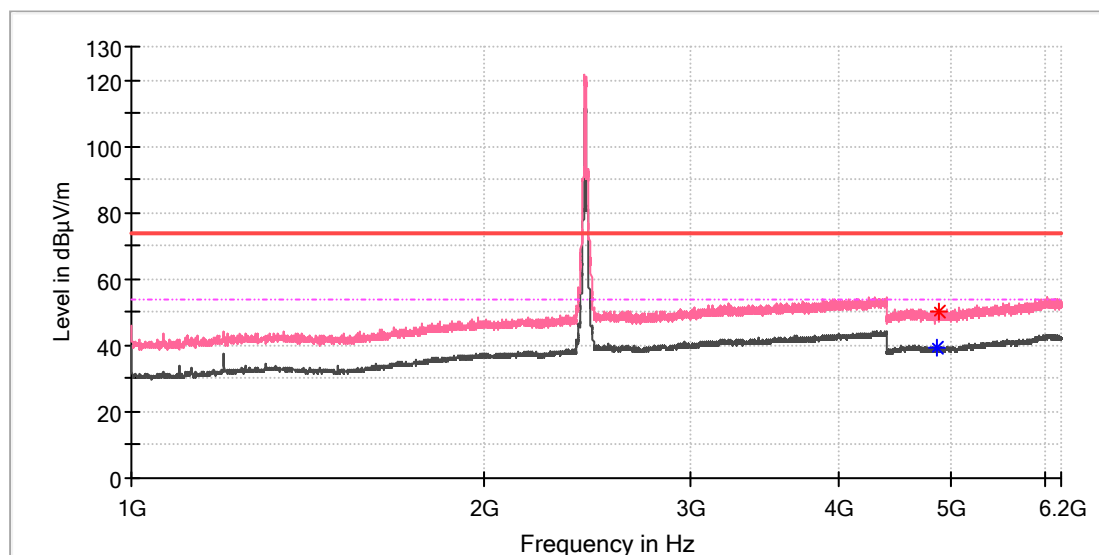
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4899.500000	---	39.48	54.00	14.52	150.0	H	59.0	11.8
4900.500000	50.39	---	74.00	23.61	150.0	H	320.0	11.8

Final_Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_10M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

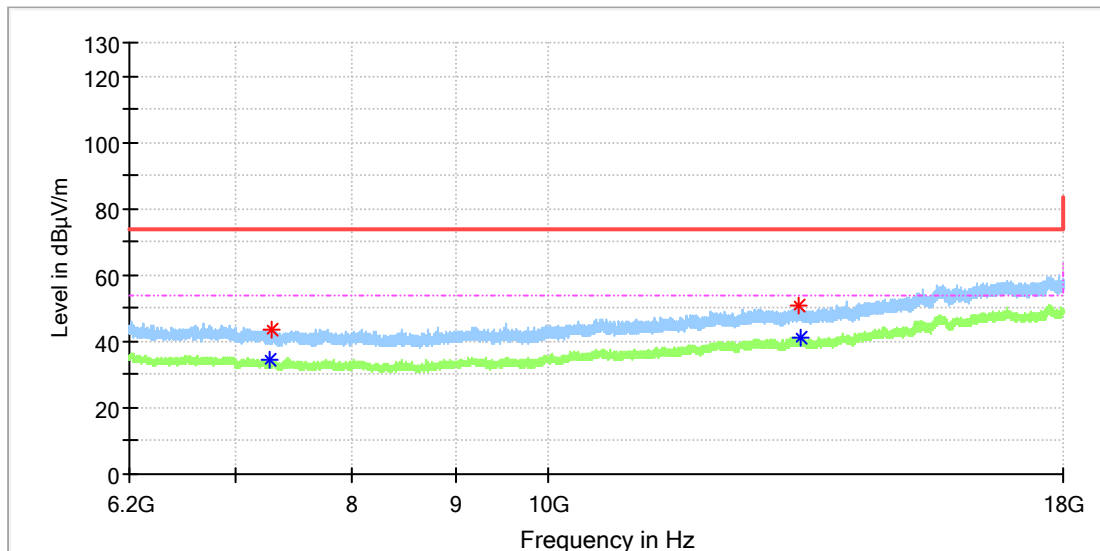
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4849.500000	---	39.24	54.00	14.76	150.0	V	356.0	11.8
4879.500000	50.35	---	74.00	23.65	150.0	V	108.0	11.8

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_10M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

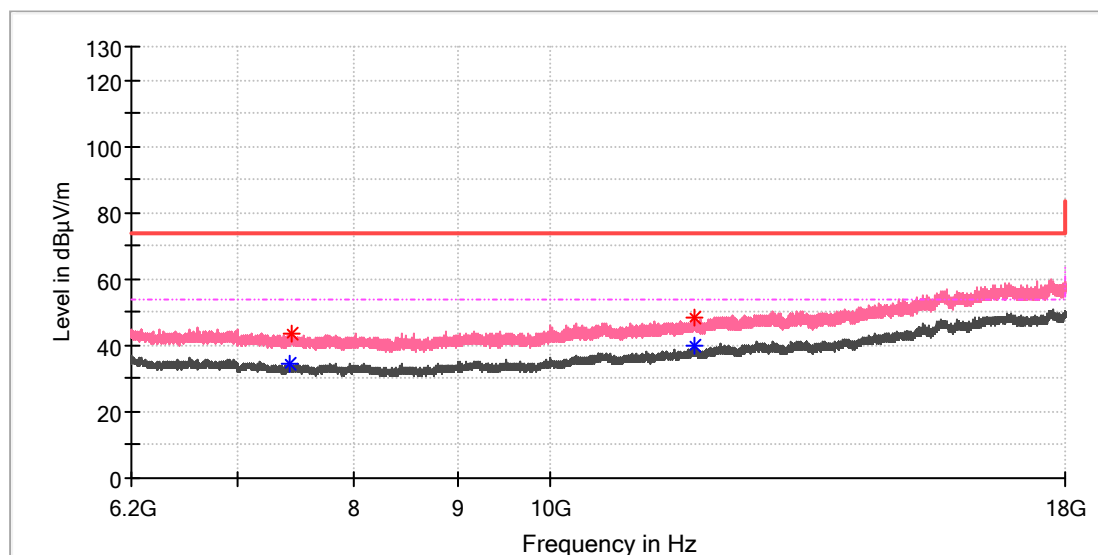
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7279.700000	---	34.74	54.00	19.26	150.0	H	157.0	8.4
7301.333333	43.25	---	74.00	30.75	150.0	H	181.0	8.3
13294.258333	50.51	---	74.00	23.49	150.0	H	0.0	15.5
13342.441667	---	41.16	54.00	12.84	150.0	H	241.0	15.5

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_10M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

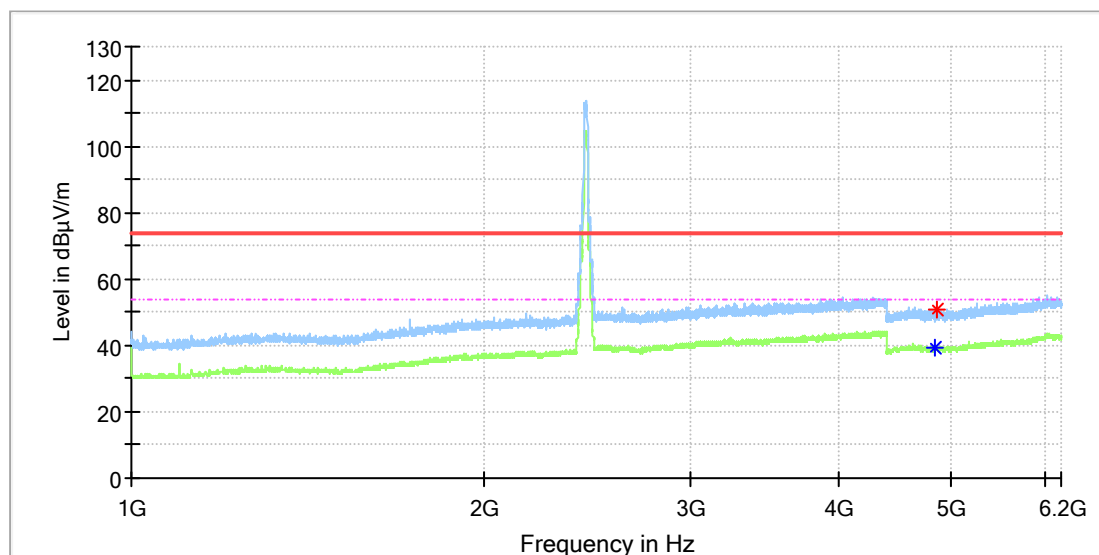
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7420.808333	---	34.29	54.00	19.71	150.0	V	0.0	8.4
7440.475000	43.77	---	74.00	30.23	150.0	V	233.0	8.4
11788.775000	---	39.68	54.00	14.32	150.0	V	0.0	13.4
11791.233333	48.49	---	74.00	25.51	150.0	V	5.0	13.4

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_20M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

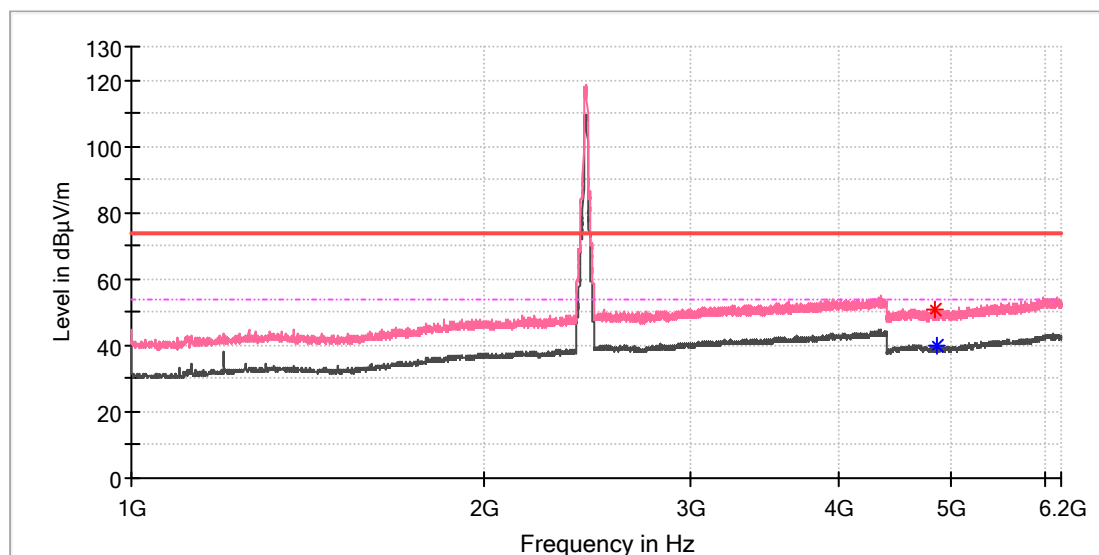
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4843.000000	---	39.33	54.00	14.67	150.0	H	347.0	11.8
4850.000000	50.87	---	74.00	23.13	150.0	H	353.0	11.8

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_20M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

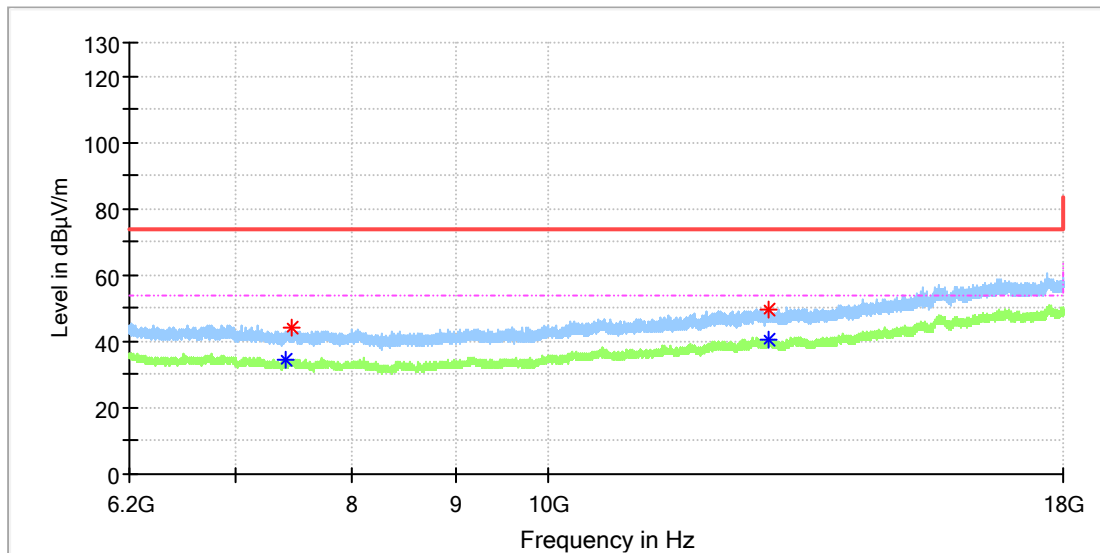
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4842.500000	51.07	---	74.00	22.93	150.0	V	36.0	11.8
4863.000000	---	39.64	54.00	14.36	150.0	V	256.0	11.8

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_20M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

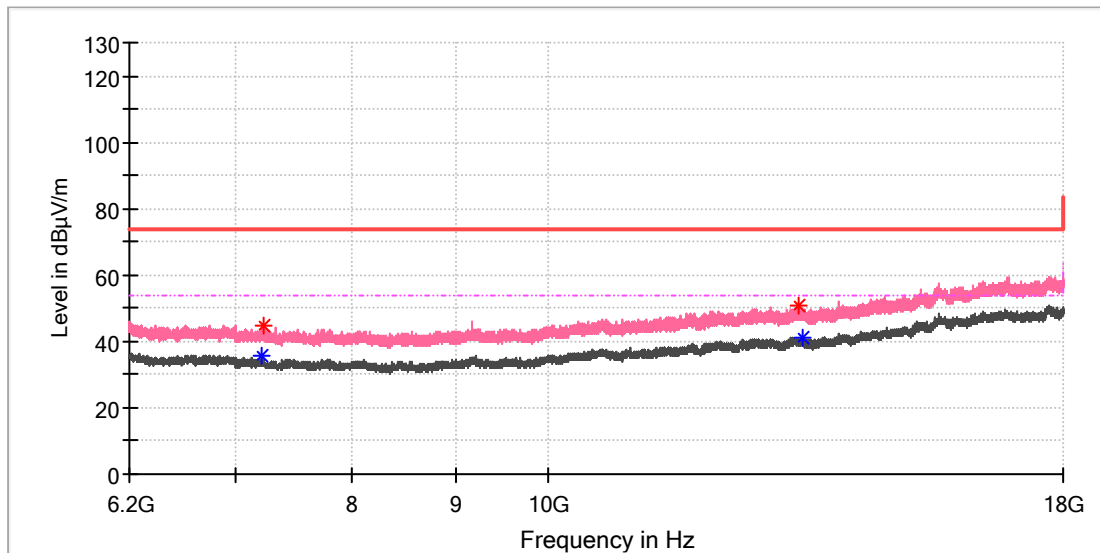
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7402.616667	---	34.76	54.00	19.24	150.0	H	1.0	8.3
7461.125000	43.96	---	74.00	30.04	150.0	H	1.0	8.5
12864.541667	49.63	---	74.00	24.37	150.0	H	168.0	15.4
12870.933333	---	40.80	54.00	13.20	150.0	H	1.0	15.4

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_20M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

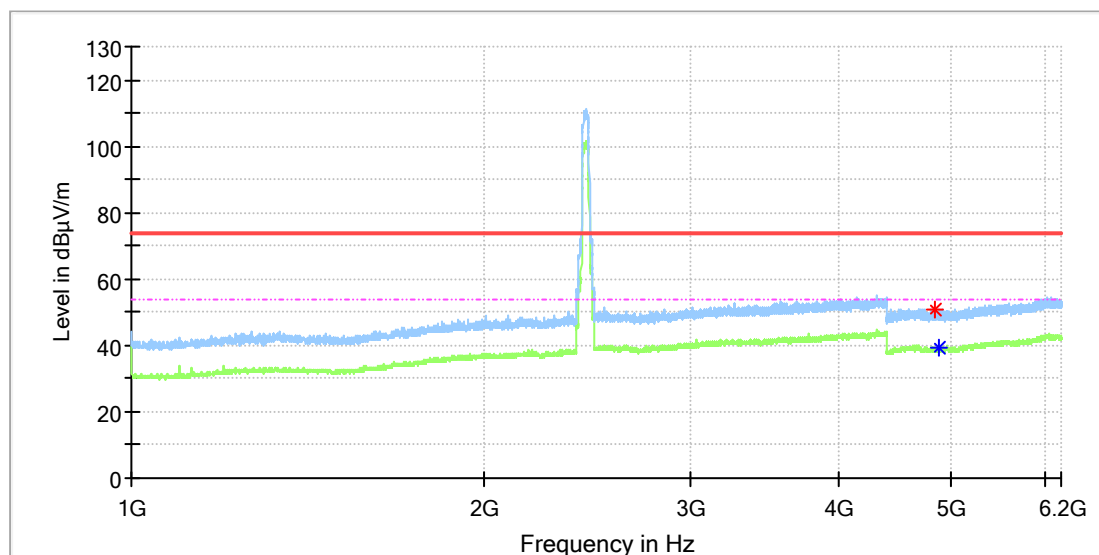
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7208.900000	---	35.97	54.00	18.03	150.0	V	303.0	8.8
7224.141667	44.97	---	74.00	29.03	150.0	V	45.0	8.7
13307.533333	50.95	---	74.00	23.05	150.0	V	303.0	15.5
13366.533333	---	41.09	54.00	12.91	150.0	V	303.0	15.5

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_40M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

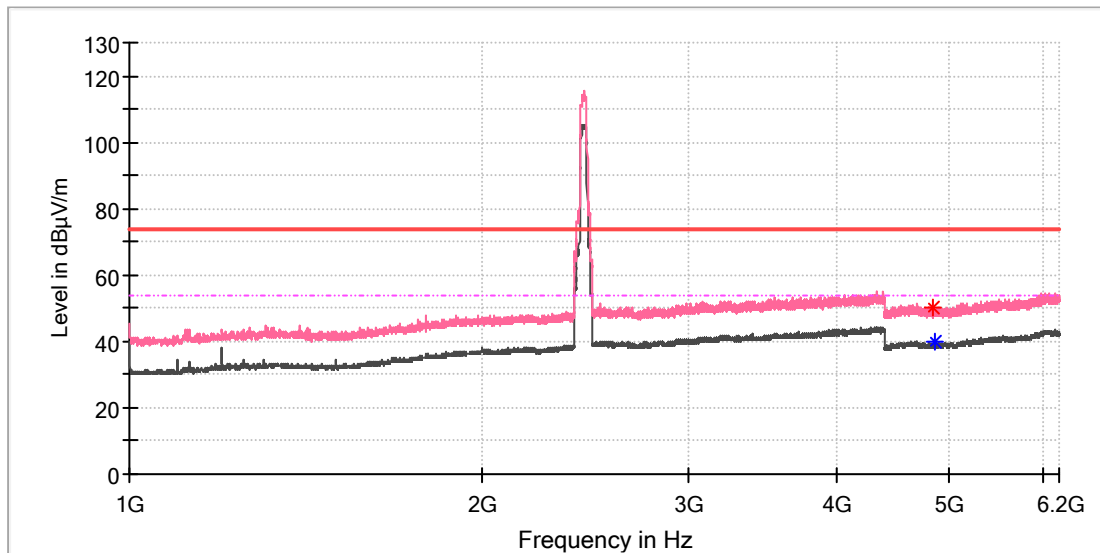
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4848.000000	50.52	---	74.00	23.48	150.0	H	313.0	11.8
4880.500000	---	39.34	54.00	14.66	150.0	H	186.0	11.8

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_40M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

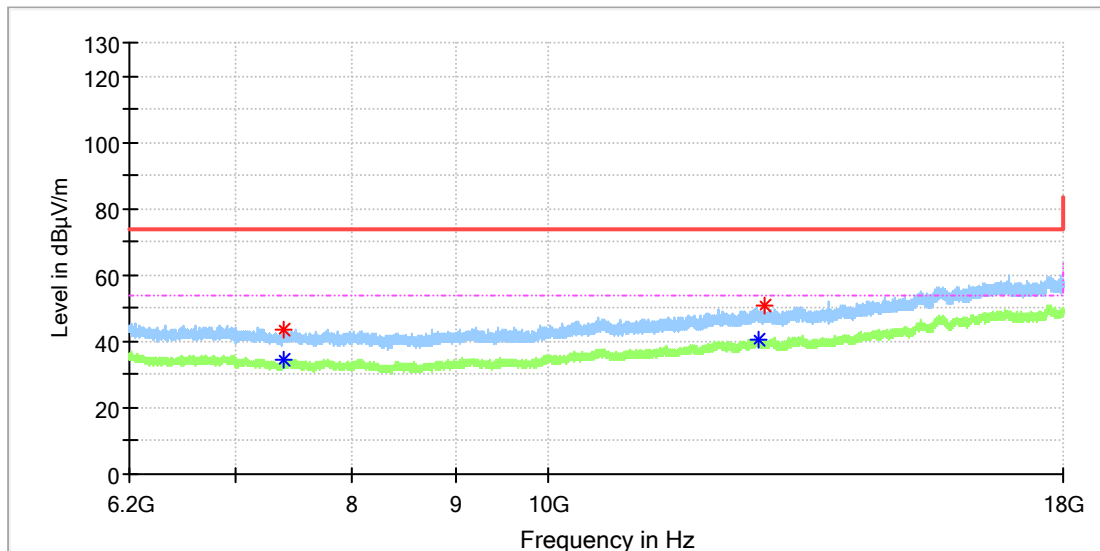
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4845.500000	50.44	---	74.00	23.56	150.0	V	173.0	11.8
4851.500000	---	39.73	54.00	14.27	150.0	V	94.0	11.8

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_40M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

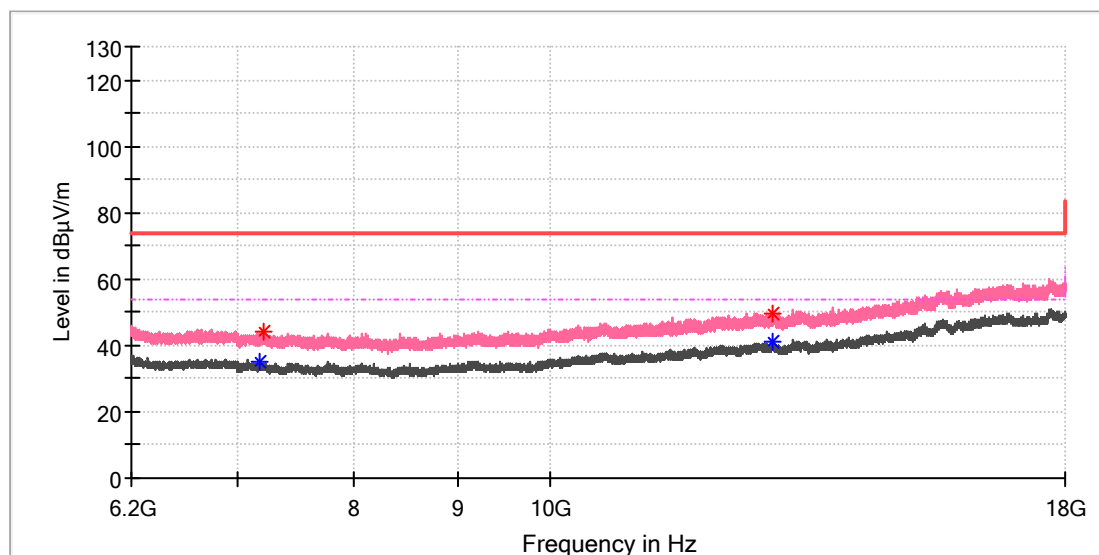
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7391.308333	---	34.57	54.00	19.43	150.0	H	309.0	8.3
7402.125000	43.72	---	74.00	30.28	150.0	H	272.0	8.3
12708.191667	---	40.45	54.00	13.55	150.0	H	297.0	15.1
12815.375000	50.68	---	74.00	23.32	150.0	H	212.0	15.3

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_40M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

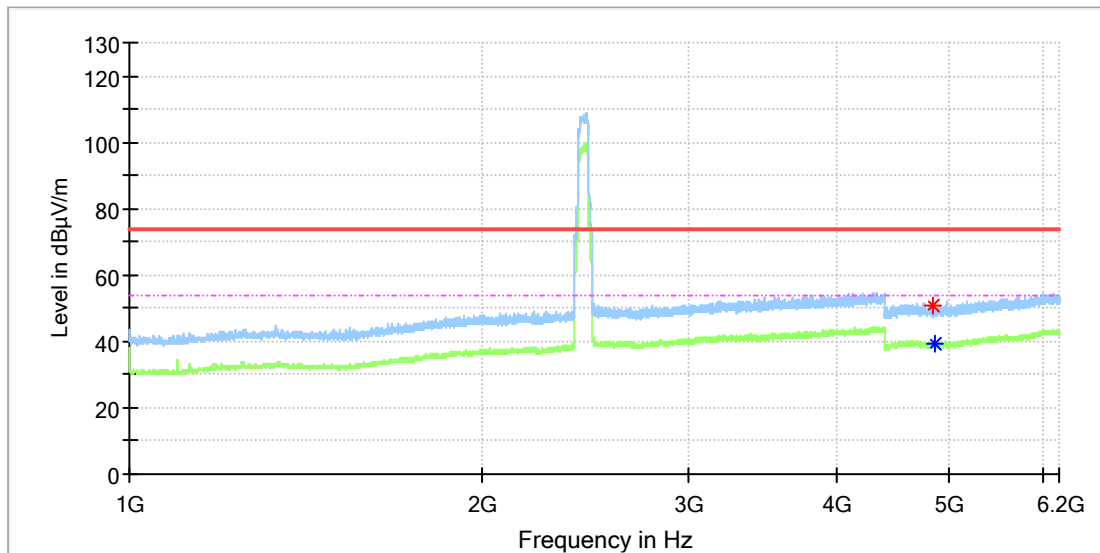
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7181.366667	---	35.03	54.00	18.97	150.0	V	75.0	8.8
7211.850000	44.36	---	74.00	29.64	150.0	V	253.0	8.7
12896.008333	49.70	---	74.00	24.30	150.0	V	241.0	15.5
12896.500000	---	41.38	54.00	12.62	150.0	V	329.0	15.5

Final Result

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

EUT Information

EUT Name:	Drone
Model:	L3A
Test Mode:	SDR 2.4G_60M_2437.5MHz
Order No/Sample No:	168484696/A003743305-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

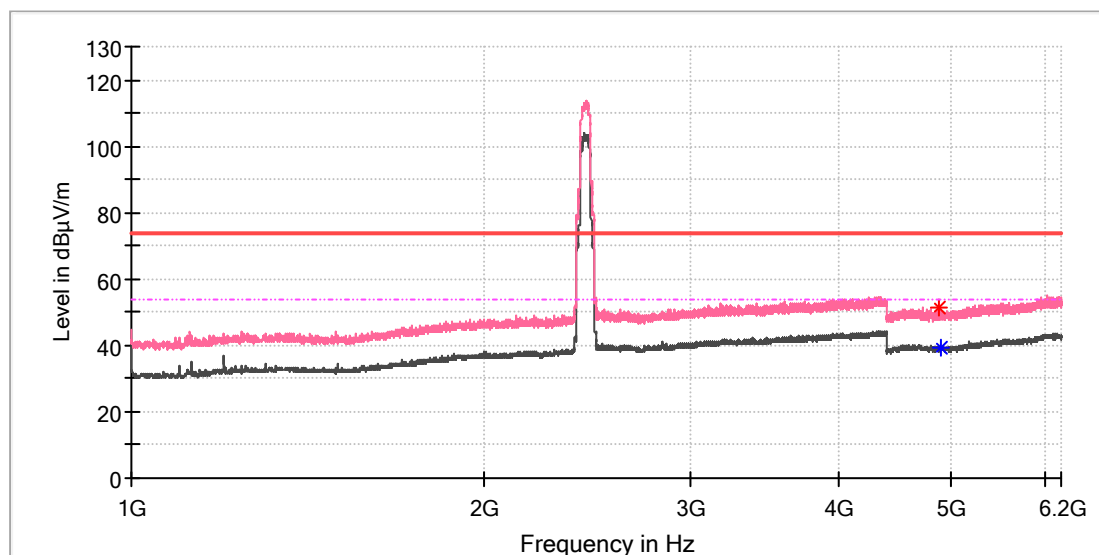
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4845.000000	50.74	---	74.00	23.26	150.0	H	246.0	11.8
4856.500000	---	39.45	54.00	14.55	150.0	H	359.0	11.8

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_60M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

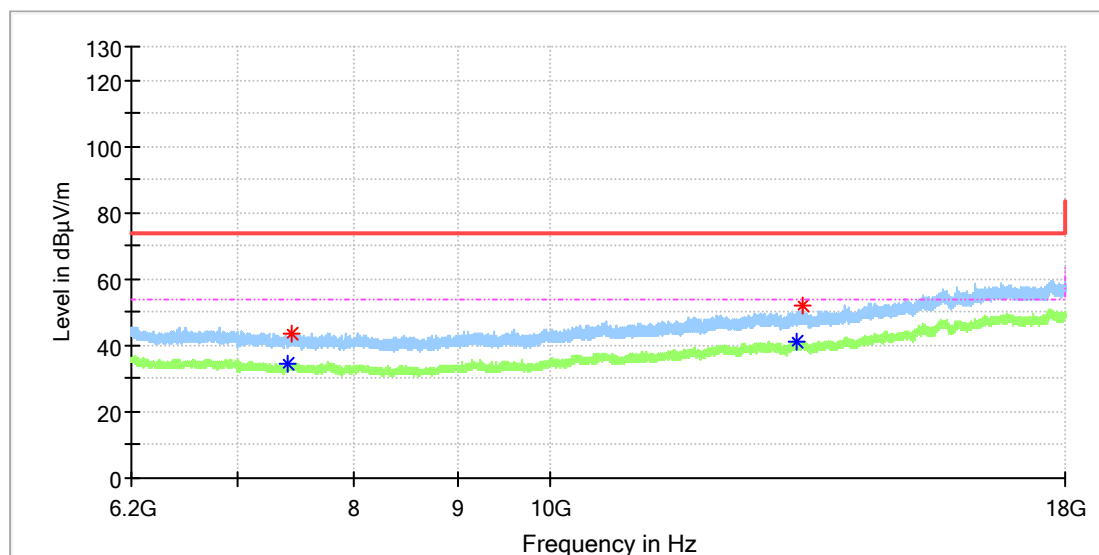
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.500000	51.17	---	74.00	22.83	150.0	V	341.0	11.8
4905.000000	---	39.60	54.00	14.40	150.0	V	146.0	11.8

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_60M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

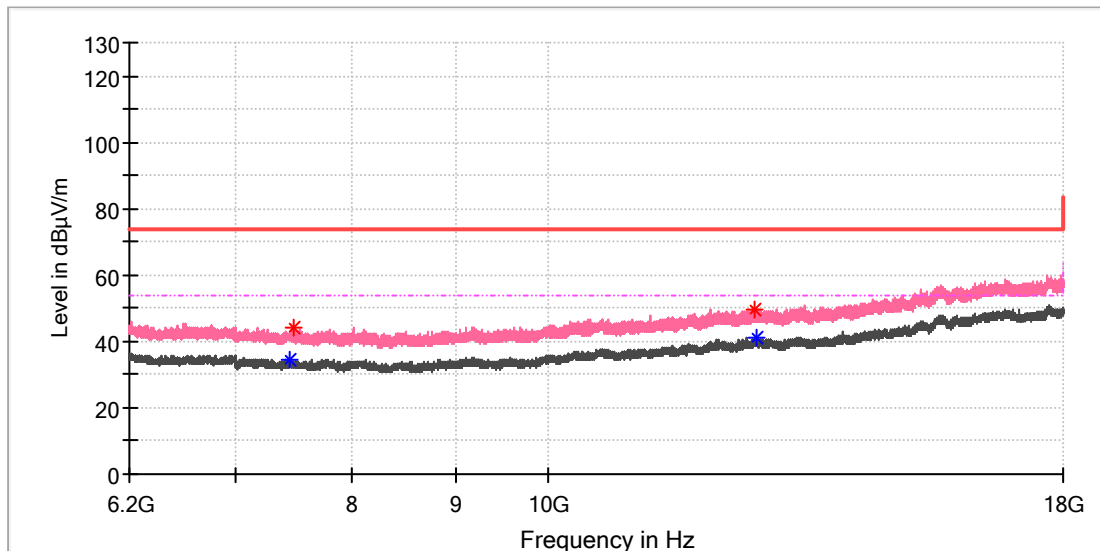
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7413.433333	---	34.46	54.00	19.54	150.0	H	0.0	8.3
7444.900000	43.74	---	74.00	30.26	150.0	H	77.0	8.5
13257.383333	---	41.39	54.00	12.61	150.0	H	250.0	15.5
13347.850000	51.86	---	74.00	22.14	150.0	H	126.0	15.5

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_60M_2437.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
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)
7452.766667	---	34.41	54.00	19.59	150.0	V	32.0	8.5
7476.366667	44.04	---	74.00	29.96	150.0	V	359.0	8.6
12665.416667	49.57	---	74.00	24.43	150.0	V	266.0	15.1
12683.116667	---	40.96	54.00	13.04	150.0	V	266.0	15.1

Final Result

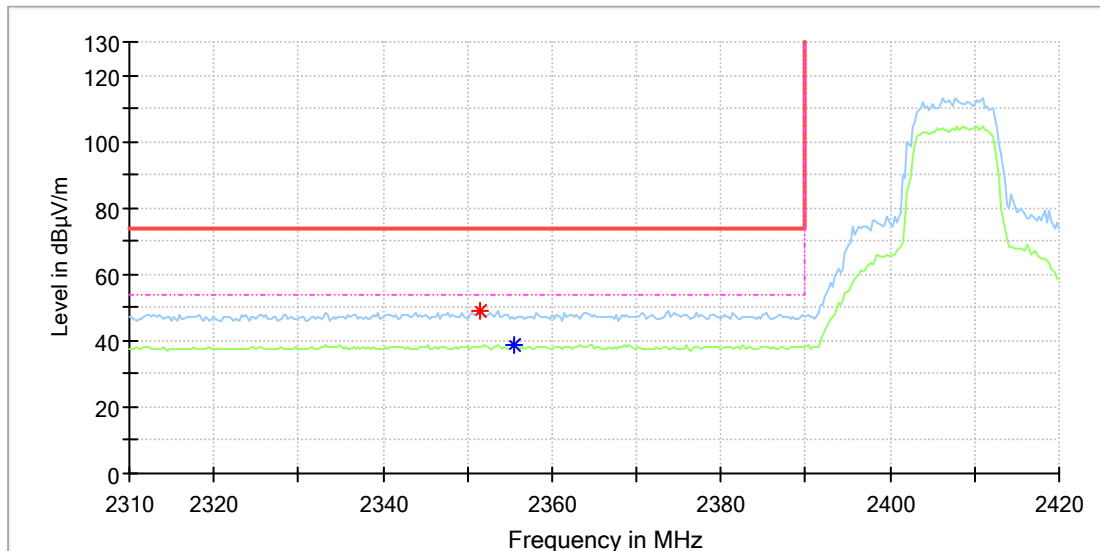
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix B.6: Test Results of Radiated Emissions in Restricted Bands

2.4GHz SDR, 10MHz BW

EUT Information

EUT Name:	Drone
Model:	L3A
Test Mode:	SDR 2.4G_10M_2407.5MHz
Order No/Sample No:	168484696/A003743305-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

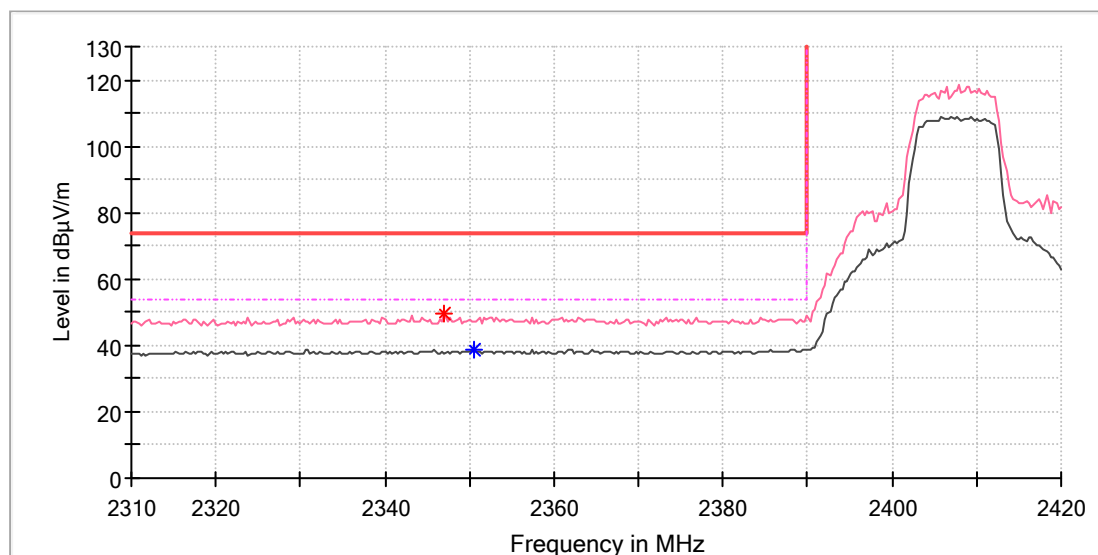
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2351.470588	49.20	---	74.00	24.80	150.0	H	282.0	6.9
2355.588235	---	38.78	54.00	15.22	150.0	H	113.0	6.9

Final_Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_10M_2407.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

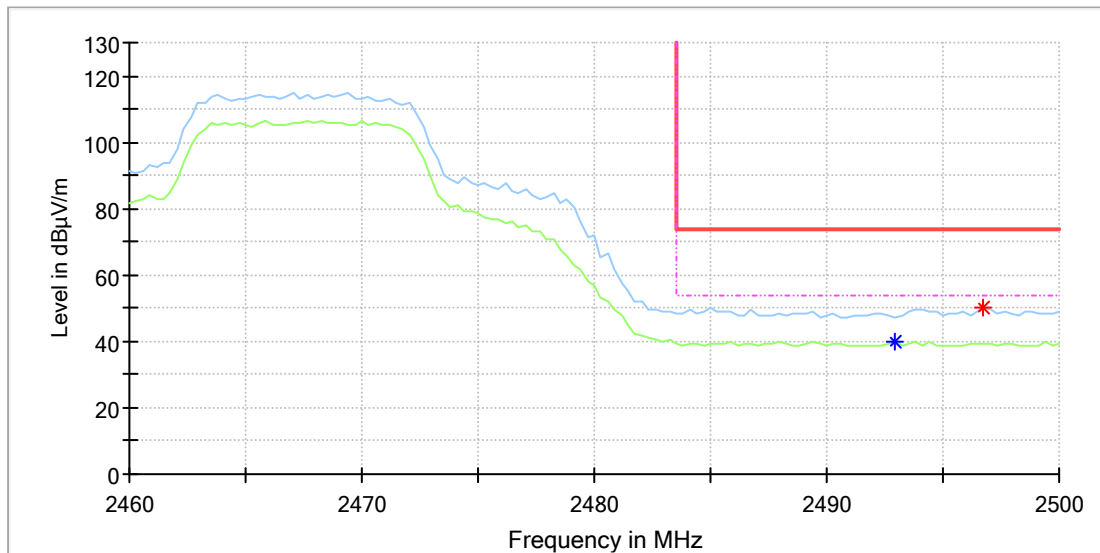
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2347.058824	49.58	---	74.00	24.42	150.0	V	197.0	6.9
2350.588235	---	38.55	54.00	15.45	150.0	V	246.0	6.9

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_10M_2467.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

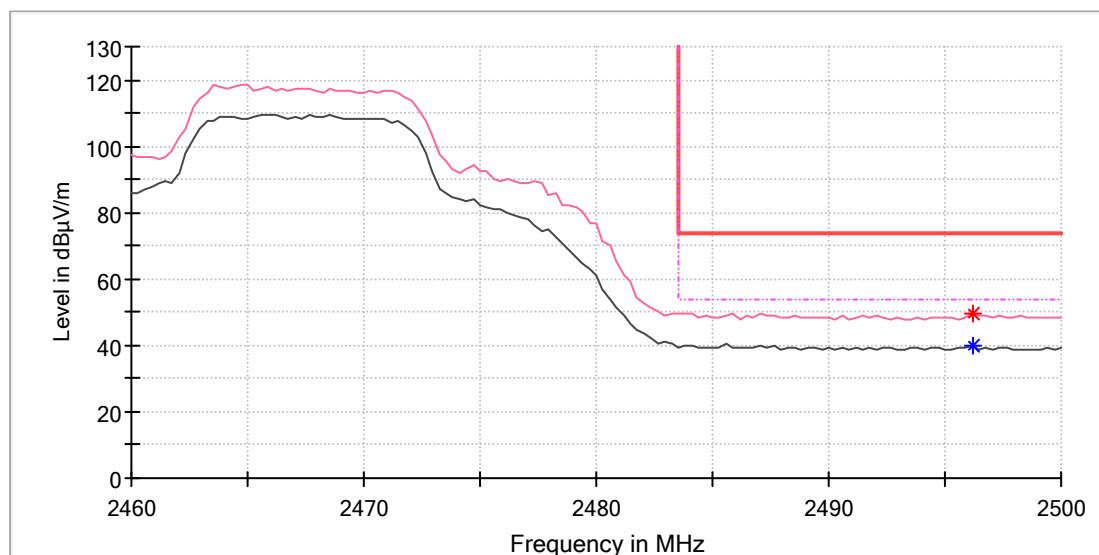
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2492.941177	---	39.65	54.00	14.35	150.0	H	51.0	7.4
2496.764706	50.20	---	74.00	23.80	150.0	H	105.0	7.4

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_10M_2467.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
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)
2496.176471	---	39.68	54.00	14.32	150.0	V	159.0	7.4
2496.176471	49.73	---	74.00	24.27	150.0	V	159.0	7.4

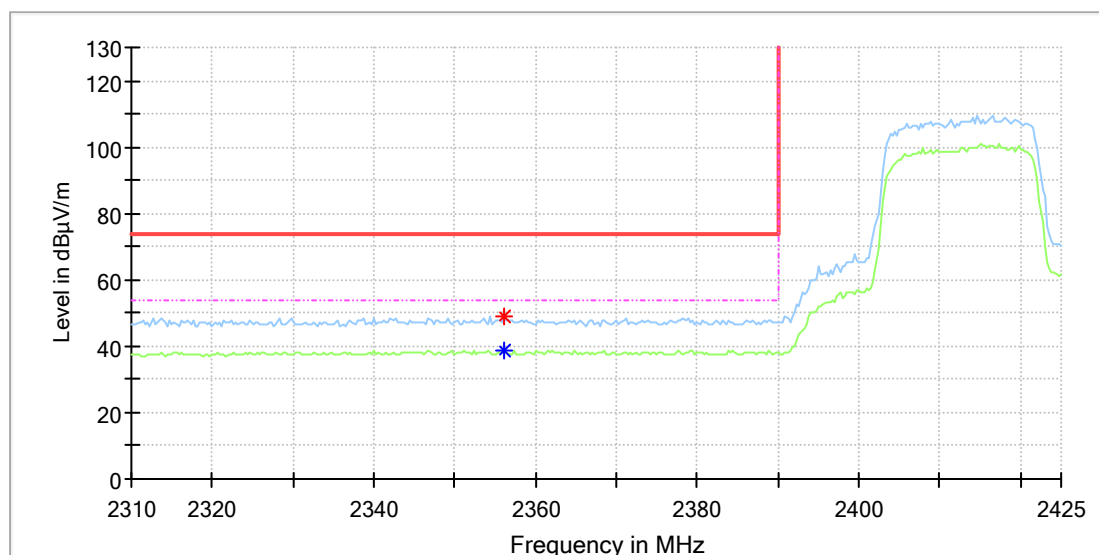
Final Result

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

2.4GHz SDR, 20MHz BW

EUT Information

EUT Name:	Drone
Model:	L3A
Test Mode:	SDR 2.4G_20M_2412.5MHz
Order No/Sample No:	168484696/A003743305-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

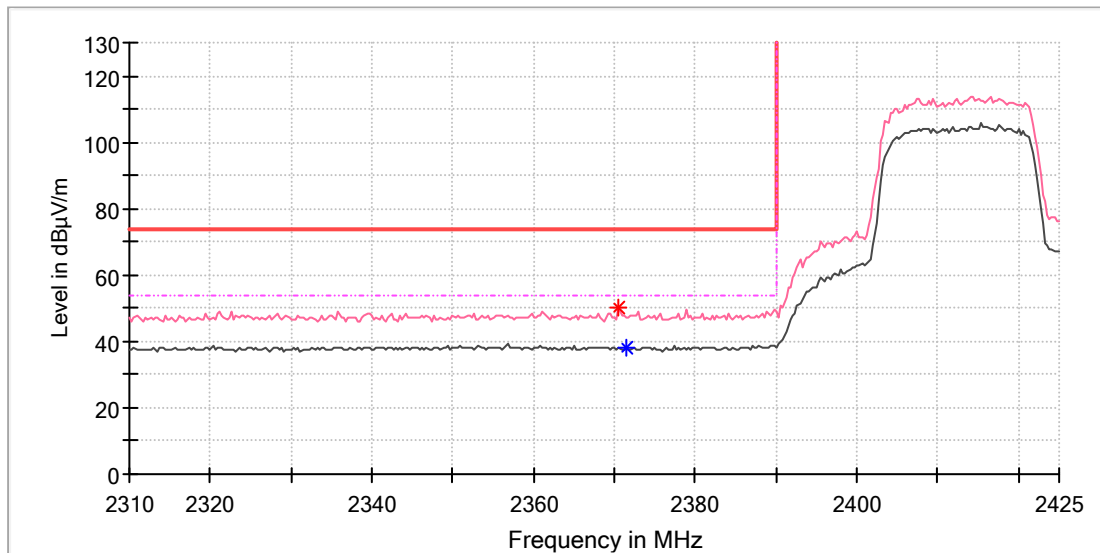
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2356.176471	---	38.49	54.00	15.51	150.0	H	80.0	6.9
2356.176471	49.08	---	74.00	24.92	150.0	H	80.0	6.9

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_20M_2412.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

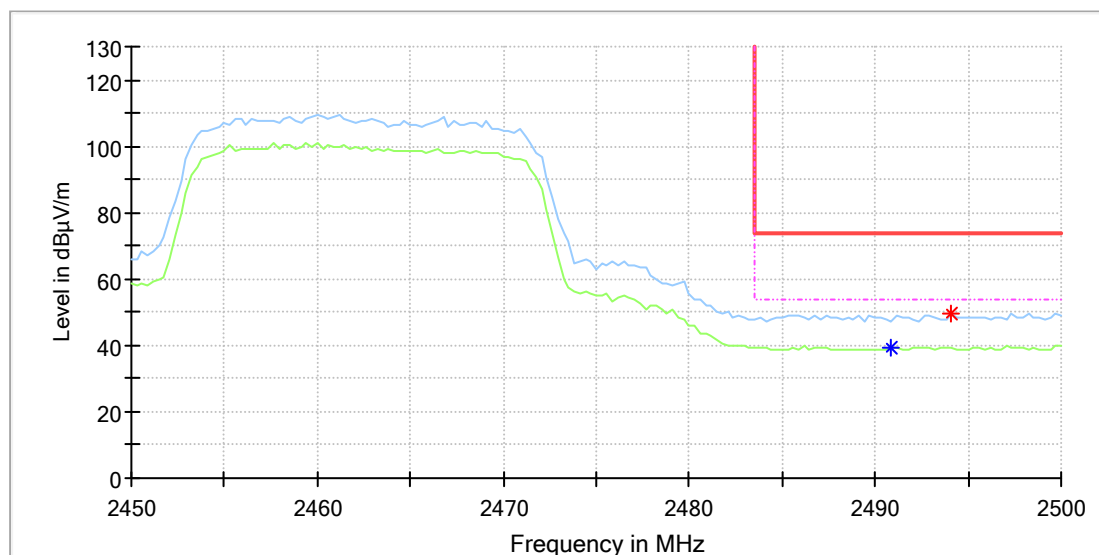
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2370.588235	49.89	---	74.00	24.11	150.0	V	72.0	6.9
2371.470588	---	38.37	54.00	15.63	150.0	V	276.0	6.9

Final Result

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

EUT Information

EUT Name:	Drone
Model:	L3A
Test Mode:	SDR 2.4G_20M_2462.5MHz
Order No/Sample No:	168484696/A003743305-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

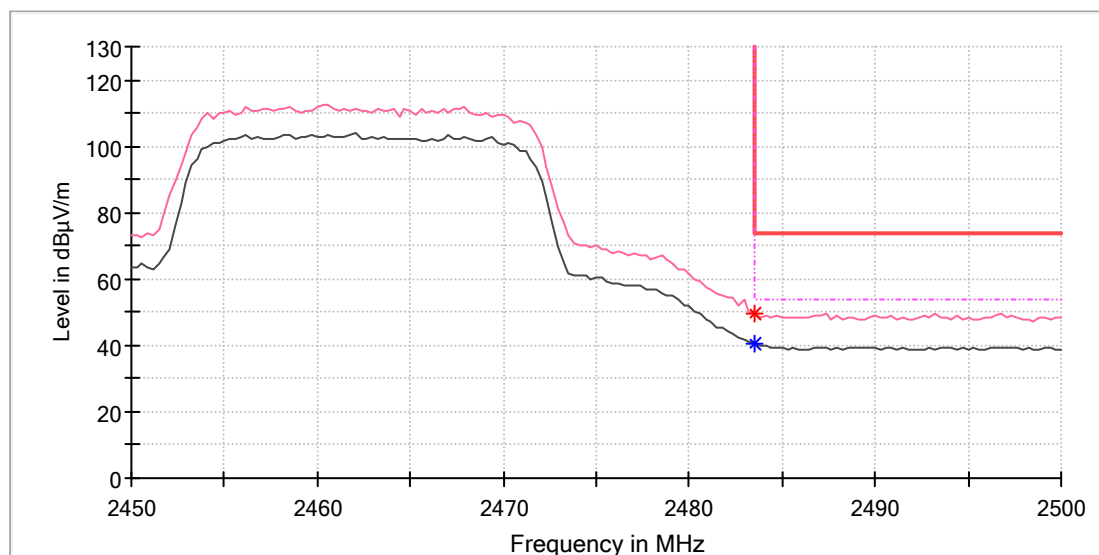
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2490.882353	---	39.56	54.00	14.44	150.0	H	227.0	7.4
2494.117647	49.69	---	74.00	24.31	150.0	H	163.0	7.4

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_20M_2462.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
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)
2483.529412	49.63	---	74.00	24.37	150.0	V	223.0	7.4
2483.529412	---	40.75	54.00	13.25	150.0	V	223.0	7.4

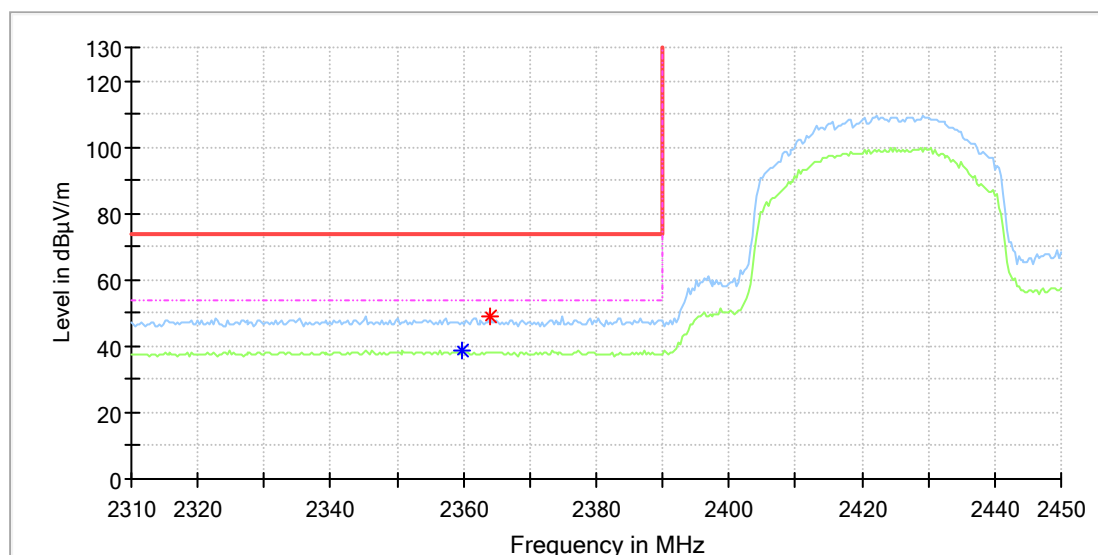
Final Result

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

2.4GHz SDR, 40MHz BW

EUT Information

EUT Name:	Drone
Model:	L3A
Test Mode:	SDR 2.4G_40M_2422.5MHz
Order No/Sample No:	168484696/A003743305-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

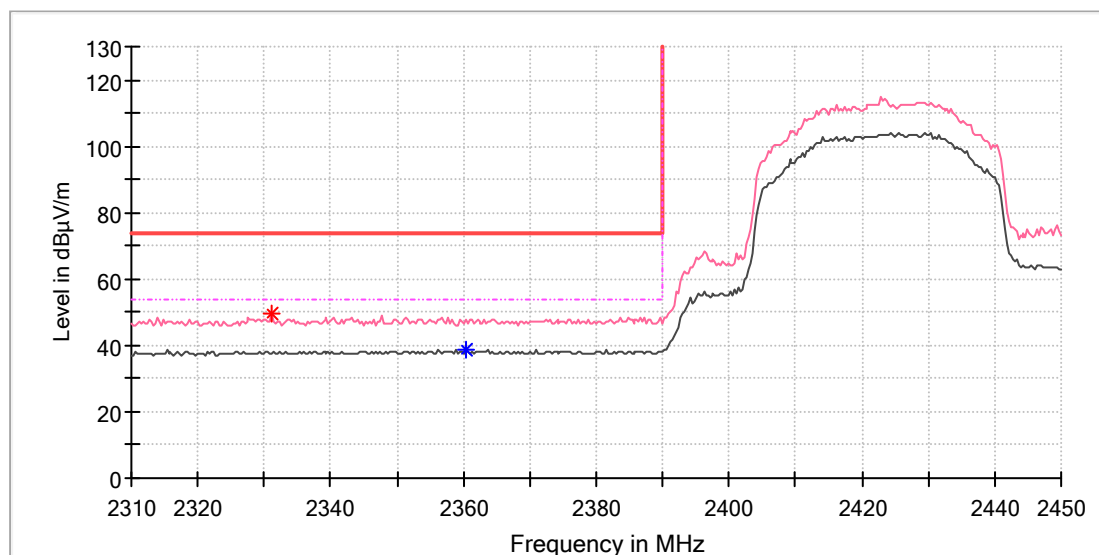
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2359.705882	---	38.79	54.00	15.21	150.0	H	149.0	6.9
2364.117647	49.23	---	74.00	24.77	150.0	H	192.0	6.9

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_40M_2422.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

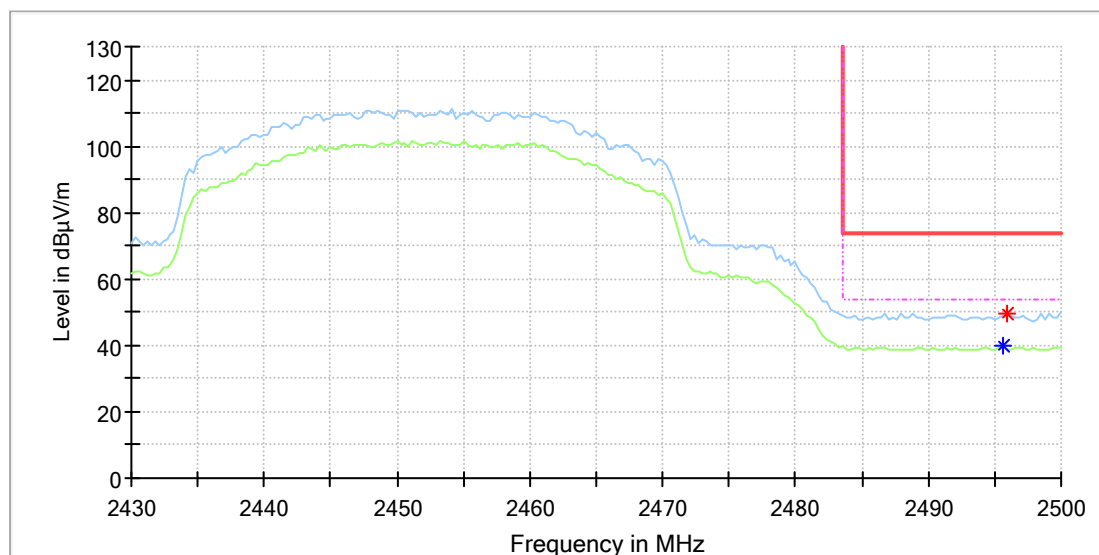
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2331.176471	49.55	---	74.00	24.45	150.0	V	190.0	6.7
2360.294118	---	38.72	54.00	15.28	150.0	V	54.0	6.9

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_40M_2452.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

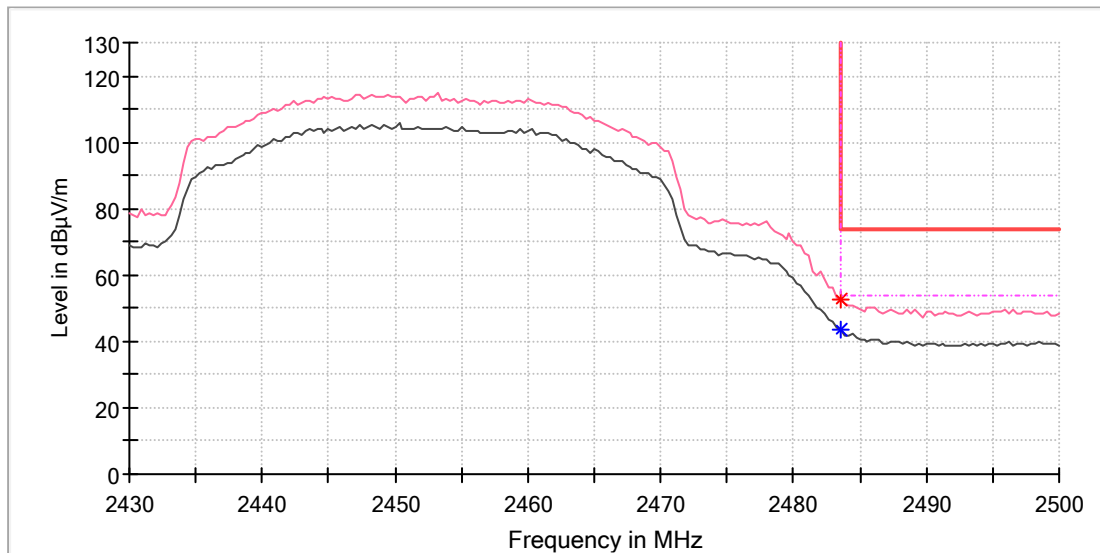
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2495.588235	---	39.62	54.00	14.38	150.0	H	226.0	7.4
2495.882353	49.72	---	74.00	24.28	150.0	H	156.0	7.4

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_40M_2452.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
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)
2483.529412	52.38	---	74.00	21.62	150.0	V	294.0	7.4
2483.529412	---	43.77	54.00	10.23	150.0	V	294.0	7.4

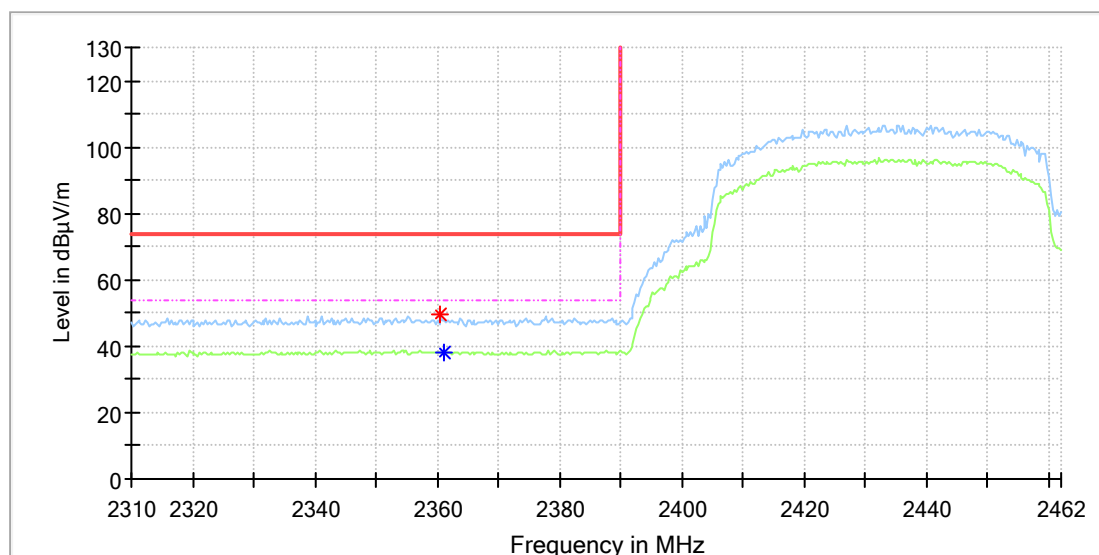
Final Result

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

2.4GHz SDR, 60MHz BW

EUT Information

EUT Name:	Drone
Model:	L3A
Test Mode:	SDR 2.4G_60M_2432.5MHz
Order No/Sample No:	168484696/A003743305-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

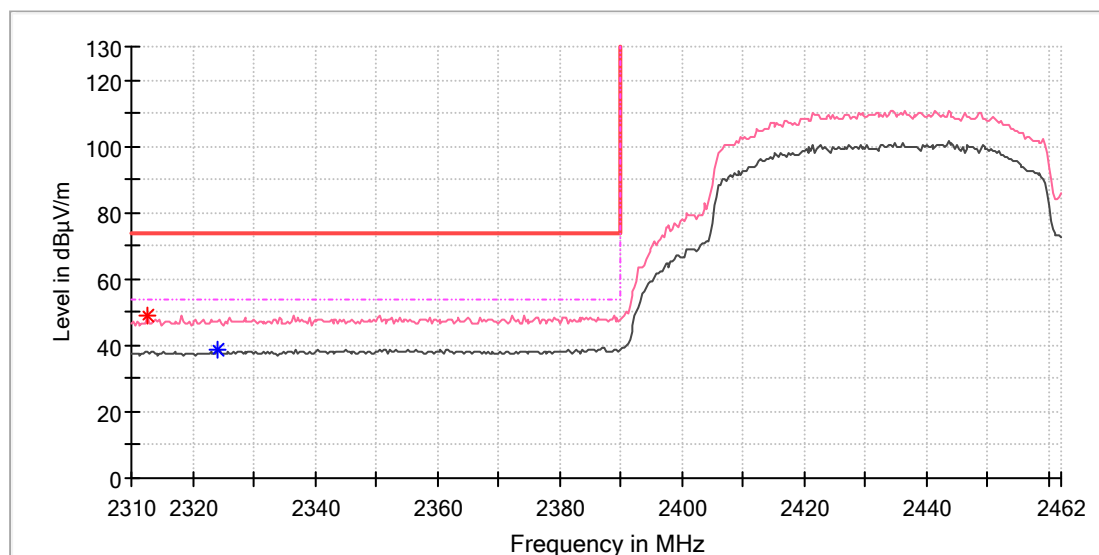
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2360.588235	49.62	---	74.00	24.38	150.0	H	237.0	6.9
2361.176471	---	38.39	54.00	15.61	150.0	H	17.0	6.9

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_60M_2432.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

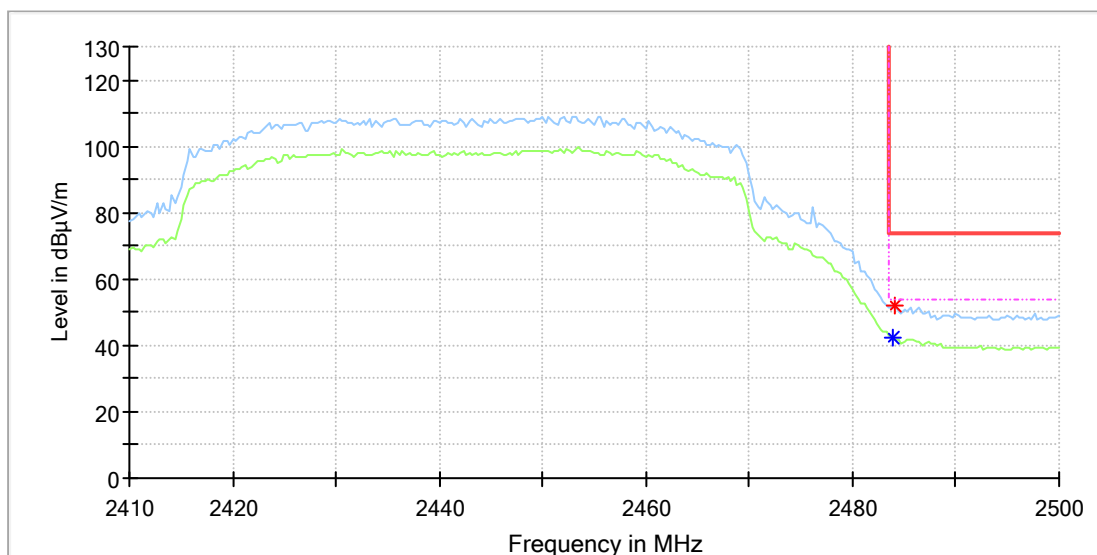
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2312.647059	49.10	---	74.00	24.90	150.0	V	331.0	6.5
2324.117647	---	38.68	54.00	15.32	150.0	V	64.0	6.6

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_60M_2442.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

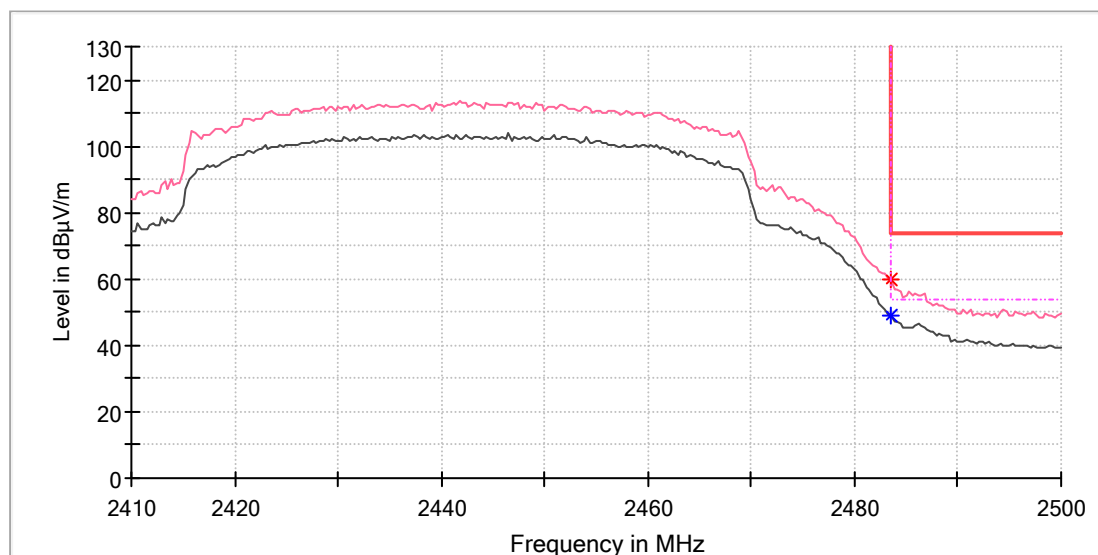
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	---	42.57	54.00	11.43	150.0	H	183.0	7.4
2484.117647	52.02	---	74.00	21.98	150.0	H	175.0	7.4

Final Result

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

EUT Information

EUT Name: Drone
Model: L3A
Test Mode: SDR 2.4G_60M_2442.5MHz
Order No/Sample No: 168484696/A003743305-001
Test Voltage: Battery
Remark: Temp 23 Humi:58%
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)
2483.529412	60.07	---	74.00	13.93	150.0	V	277.0	7.4
2483.529412	---	48.72	54.00	5.28	150.0	V	277.0	7.4

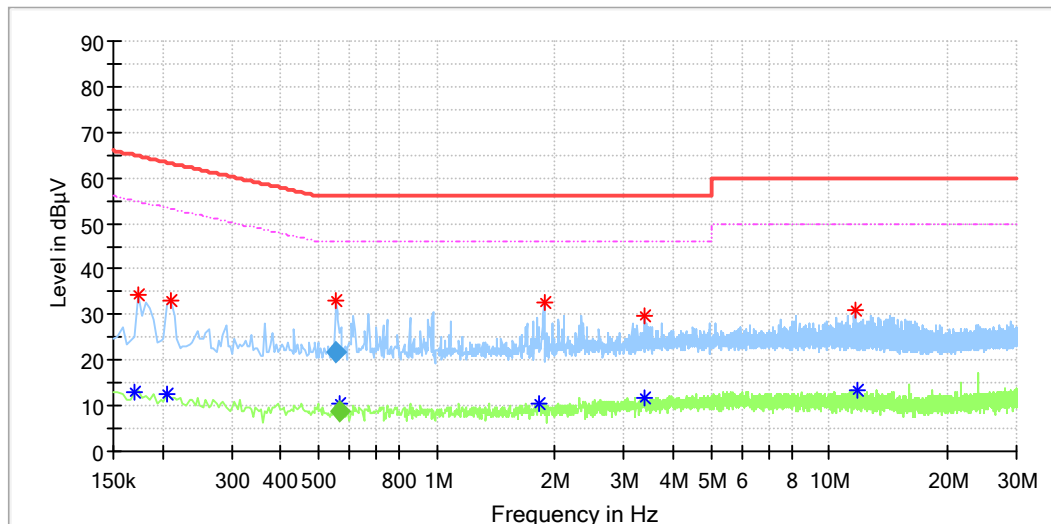
Final Result

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

Appendix B.7: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name:	Drone
Order Number:	168484696
Model:	L3A
Test Mode:	2.4G SDR Link
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Steve Lan/ Shower Dai
Tem./Hum./Pressure:	23.4°C/51.2%/101kPa
Remark:	SR2



Critical Freqs

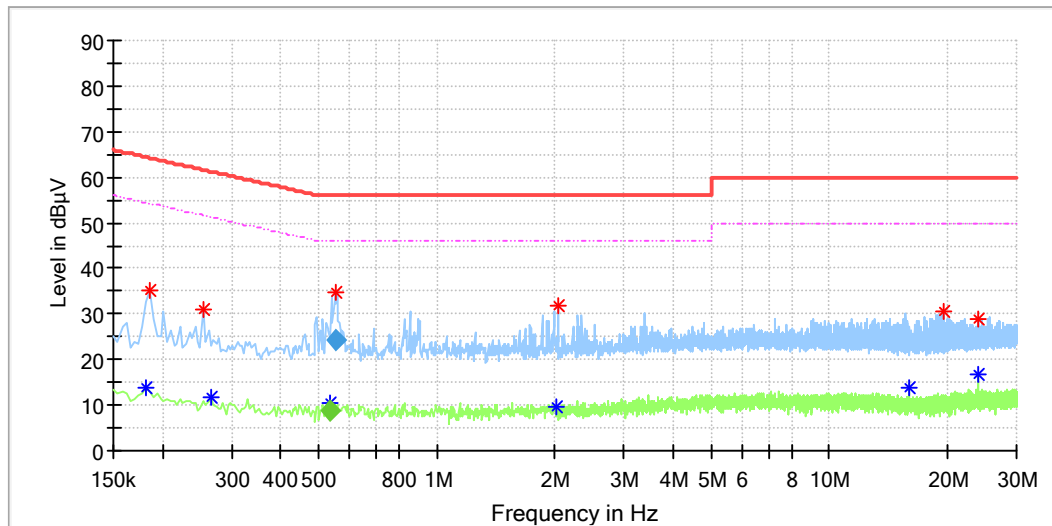
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.170000	---	12.93	54.96	42.03	L1	9.9
0.174000	34.28	---	64.77	30.49	L1	9.9
0.206000	---	12.77	53.37	40.60	L1	9.9
0.210000	33.26	---	63.21	29.95	L1	9.9
0.553500	32.97	---	56.00	23.03	L1	10.0
0.565500	---	10.51	46.00	35.49	L1	10.0
1.822000	---	10.50	46.00	35.50	L1	10.1
1.878000	32.51	---	56.00	23.49	L1	10.1
3.374000	---	11.73	46.00	34.27	L1	10.2
3.378000	29.64	---	56.00	26.36	L1	10.2
11.622000	30.86	---	60.00	29.14	L1	10.3
11.814000	---	13.47	50.00	36.53	L1	10.3

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.553500	21.88	---	56.00	34.12	1000.0	9.000	L1	10.0
0.565500	---	8.78	46.00	37.22	1000.0	9.000	L1	10.0

EUT Information

EUT Name: Drone
Order Number: 168484696
Model: L3A
Test Mode: 2.4G SDR Link
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15
Test By:/Review By: Steve Lan/ Shower Dai
Tem./Hum./Pressure: 23.4°C/51.2%/101kPa
Remark: SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.182000	---	13.65	54.39	40.74	N	9.8
0.186000	35.24	---	64.21	28.98	N	9.8
0.254000	31.18	---	61.63	30.45	N	9.8
0.266000	---	11.87	51.24	39.38	N	9.8
0.537500	---	10.66	46.00	35.34	N	9.8
0.554500	34.69	---	56.00	21.31	N	9.8
2.014000	---	9.76	46.00	36.24	N	9.9
2.042000	31.98	---	56.00	24.02	N	9.9
15.998000	---	13.85	50.00	36.15	N	10.2
19.542000	30.44	---	60.00	29.56	N	10.2
23.886000	28.75	---	60.00	31.25	N	10.3
23.998000	---	16.89	50.00	33.11	N	10.3

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.537500	---	8.86	46.00	37.14	1000.0	9.000	N	9.8
0.554500	24.09	---	56.00	31.91	1000.0	9.000	N	9.8