

Appendix A: Test Results of 5.2G SDR

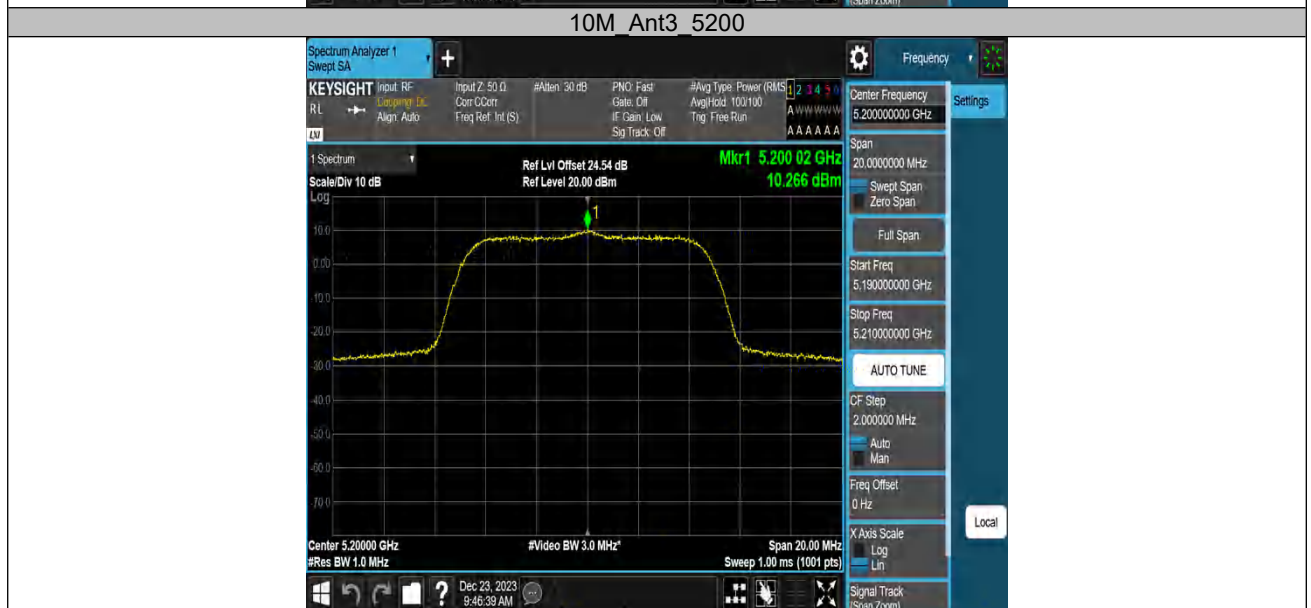
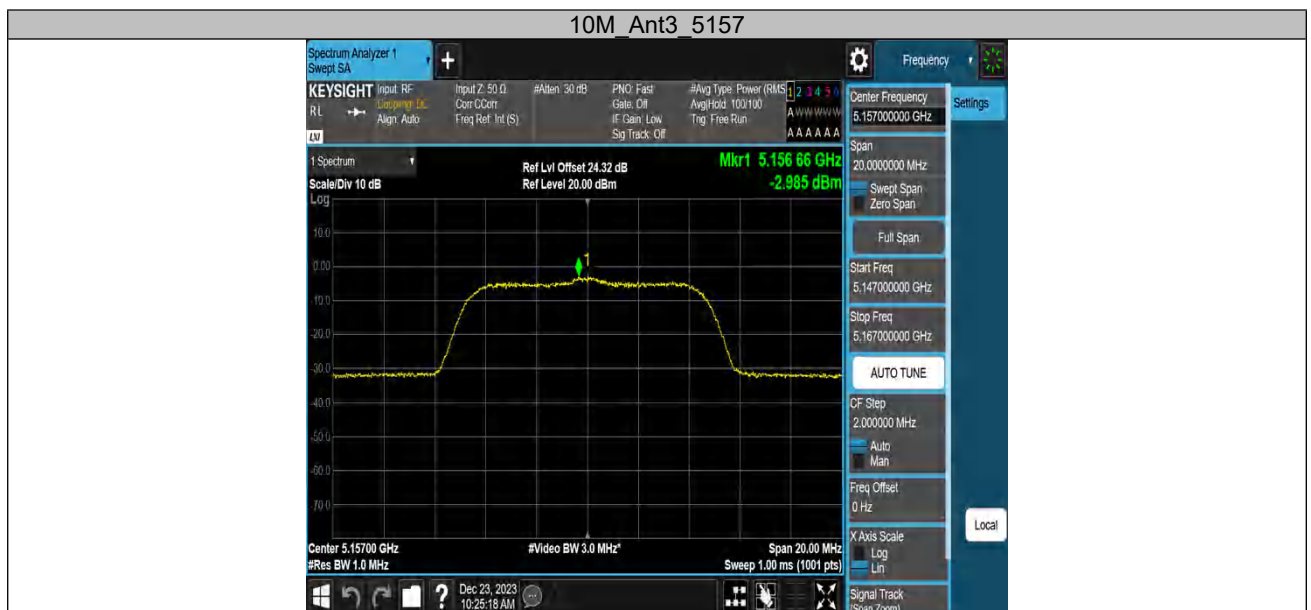
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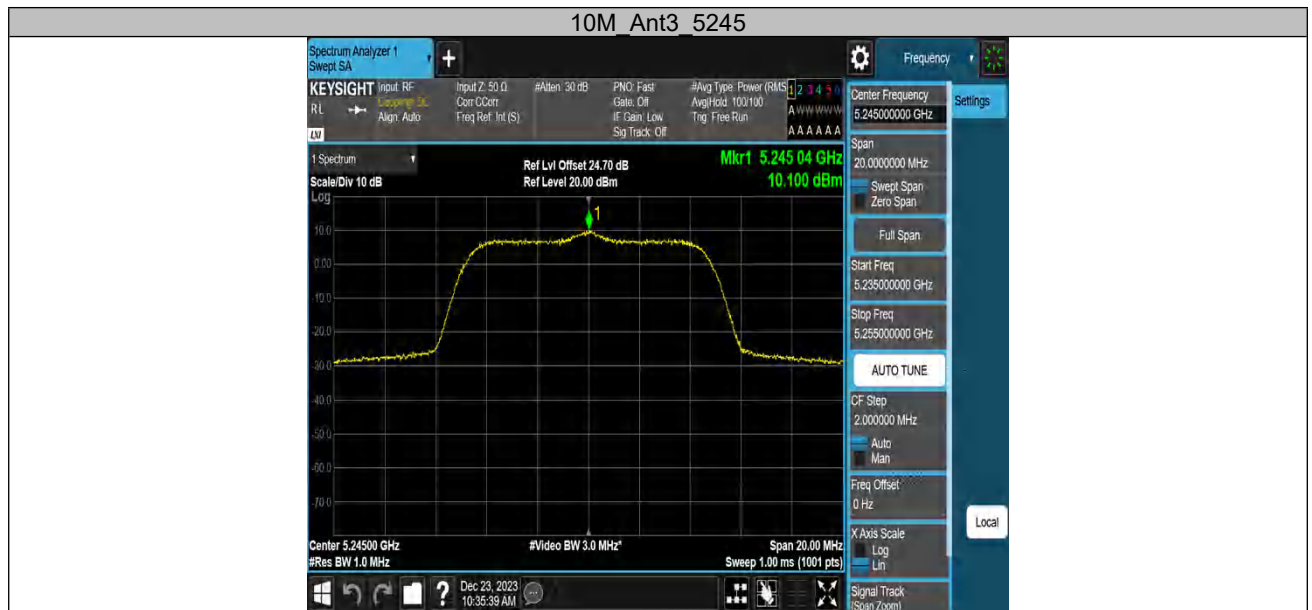
Appendix A.1: Test Results of Conducted Power Spectral Density

5.2GHz SDR, 10MHz BW

SISO mode (Worst case_ANT3)

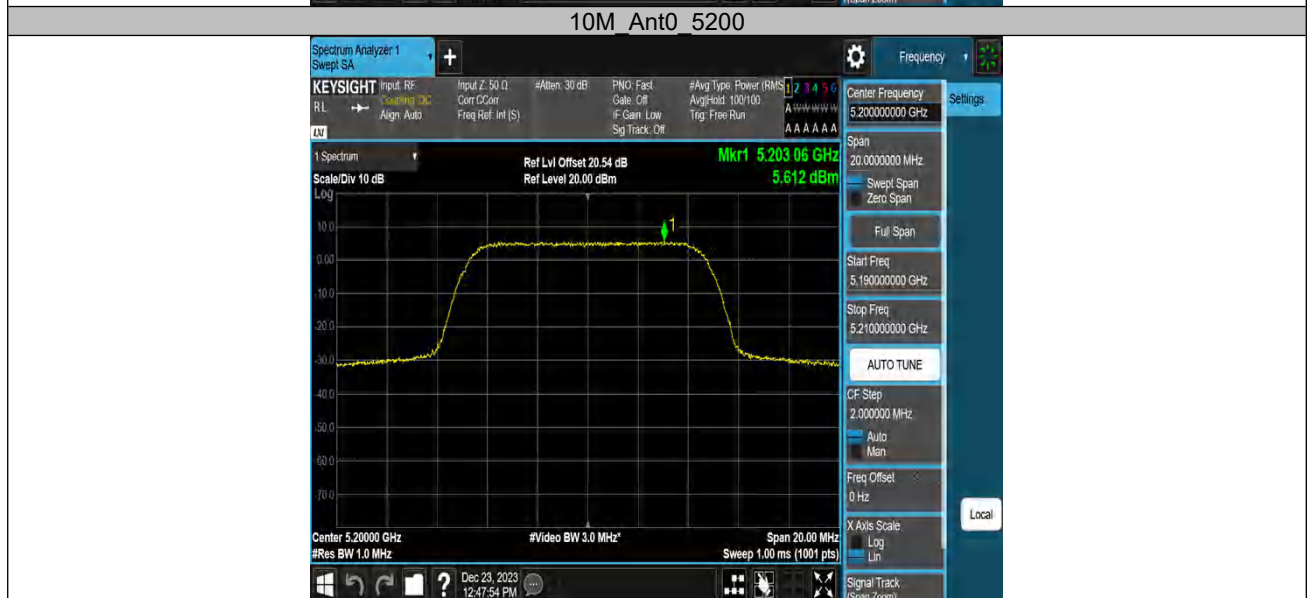
TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
10M	Ant3	5157	-2.99	≤11.00	PASS
		5200	10.27	≤11.00	PASS
		5245	10.10	≤11.00	PASS





MIMO mode (Worst case_ANT0+ANT3)

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
10M	Ant0	5157	-6.52	≤11.00	PASS
	Ant3	5157	-7.07	≤11.00	PASS
	total	5157	-3.78	≤11.00	PASS
	Ant0	5200	5.61	≤11.00	PASS
	Ant3	5200	5.33	≤11.00	PASS
	total	5200	8.48	≤11.00	PASS
	Ant0	5245	4.33	≤11.00	PASS
	Ant3	5245	3.40	≤11.00	PASS
	total	5245	6.9	≤11.00	PASS

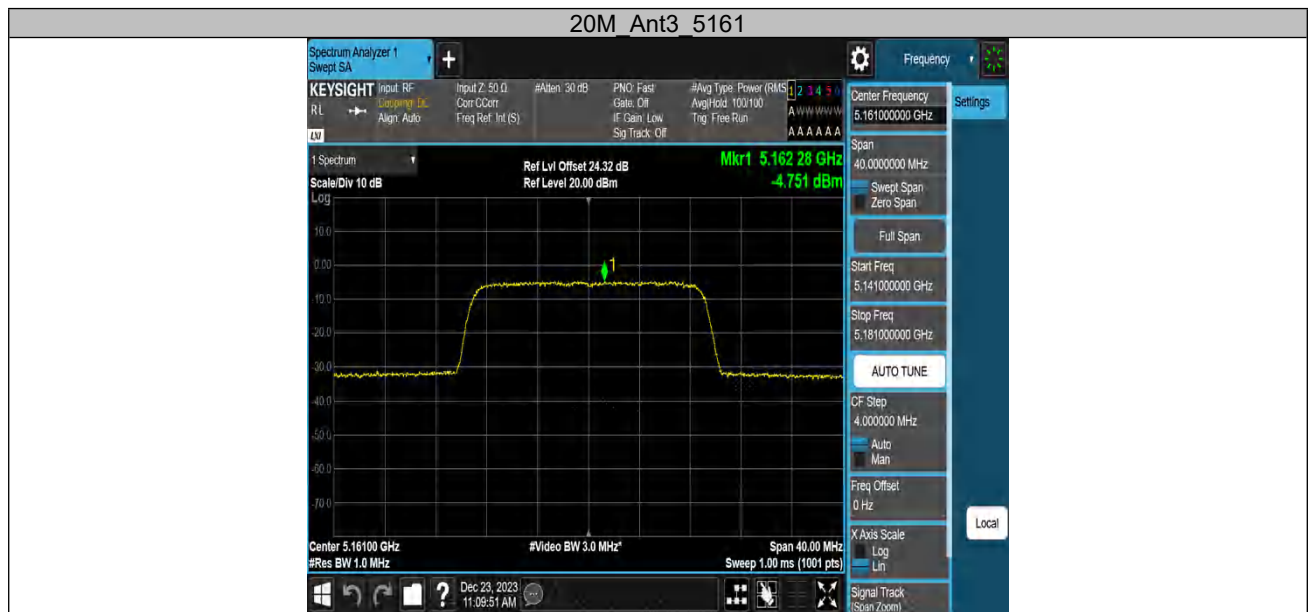


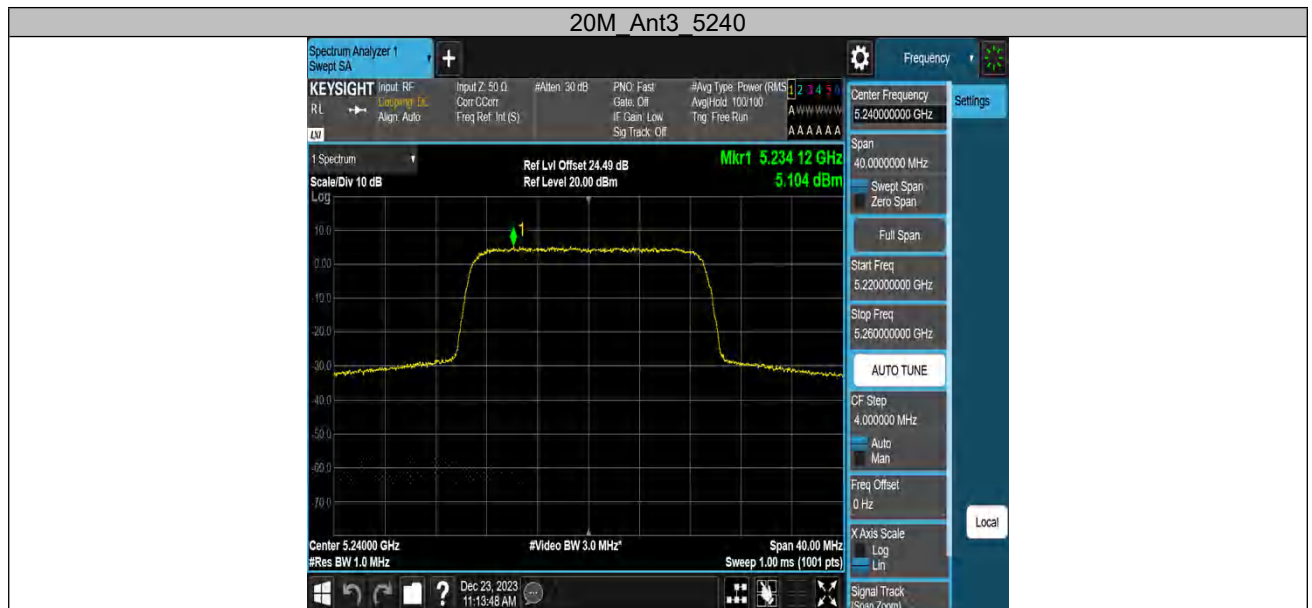


5.2GHz SDR, 20MHz BW

SISO mode (Worst case_ANT3)

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
20M	Ant3	5161	-4.75	≤11.00	PASS
		5200	6.51	≤11.00	PASS
		5240	5.10	≤11.00	PASS

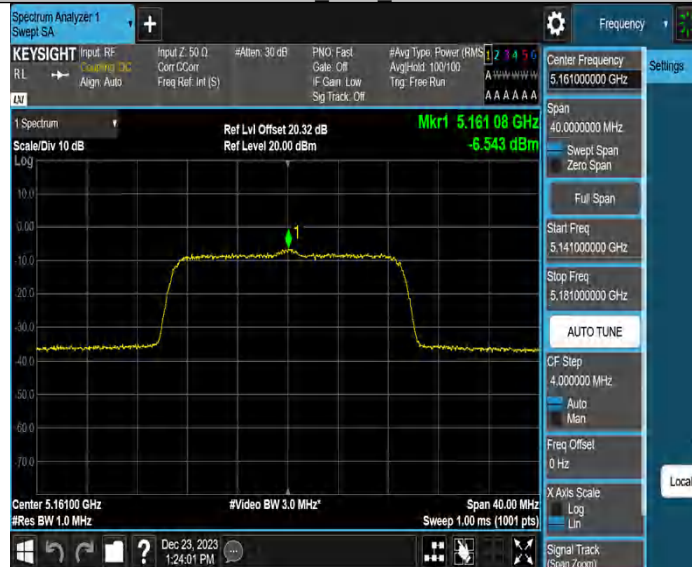




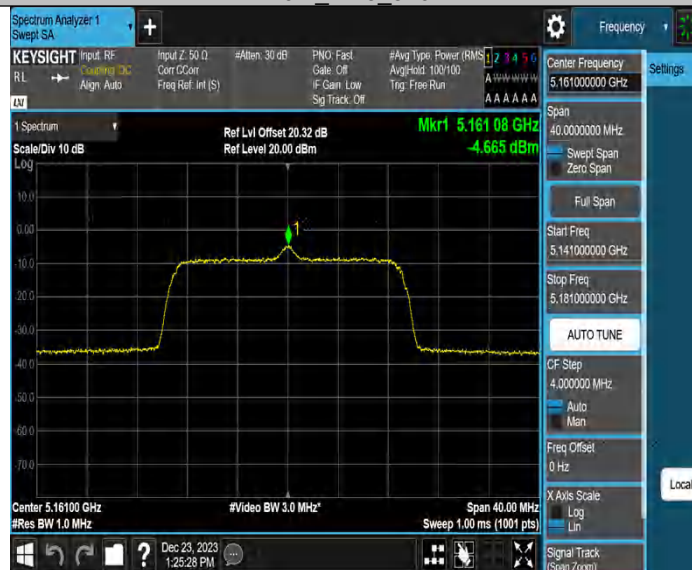
MIMO mode (Worst case_ANT0+ANT3)

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
20M	Ant0	5161	-6.54	≤11.00	PASS
	Ant3	5161	-4.67	≤11.00	PASS
	total	5161	-2.49	≤11.00	PASS
	Ant0	5200	2.99	≤11.00	PASS
	Ant3	5200	7.29	≤11.00	PASS
	total	5200	8.66	≤11.00	PASS
	Ant0	5240	2.59	≤11.00	PASS
	Ant3	5240	4.71	≤11.00	PASS
	total	5240	6.79	≤11.00	PASS

20M_Ant0_5161



20M_Ant3_5161



20M_Ant0_5200

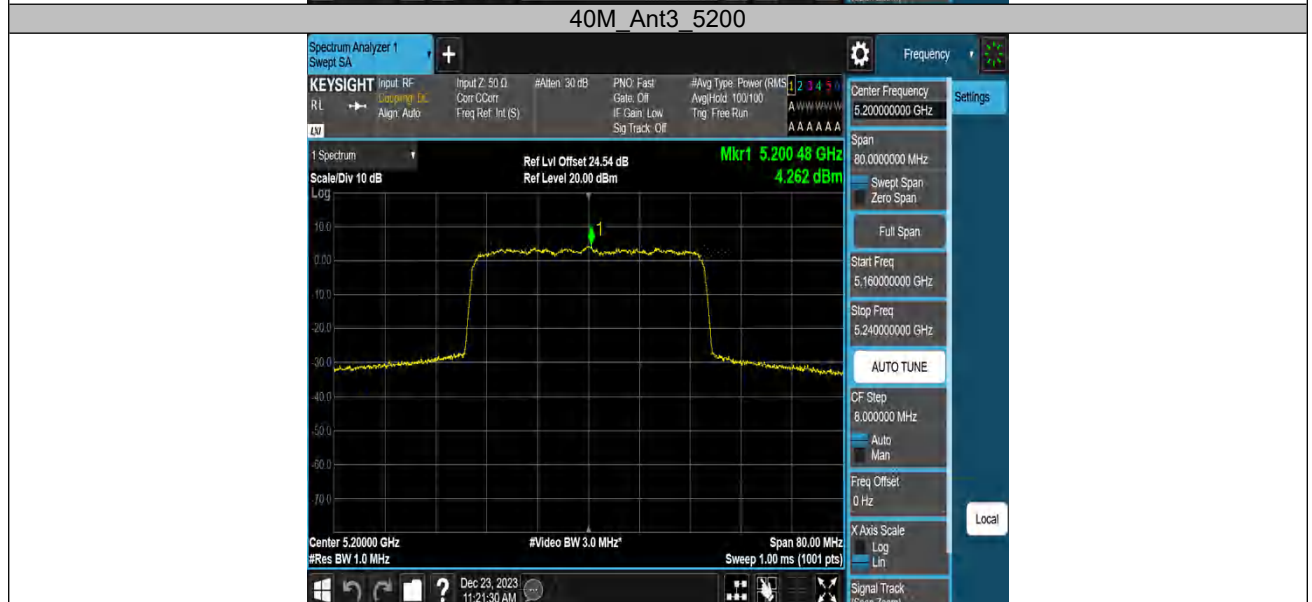
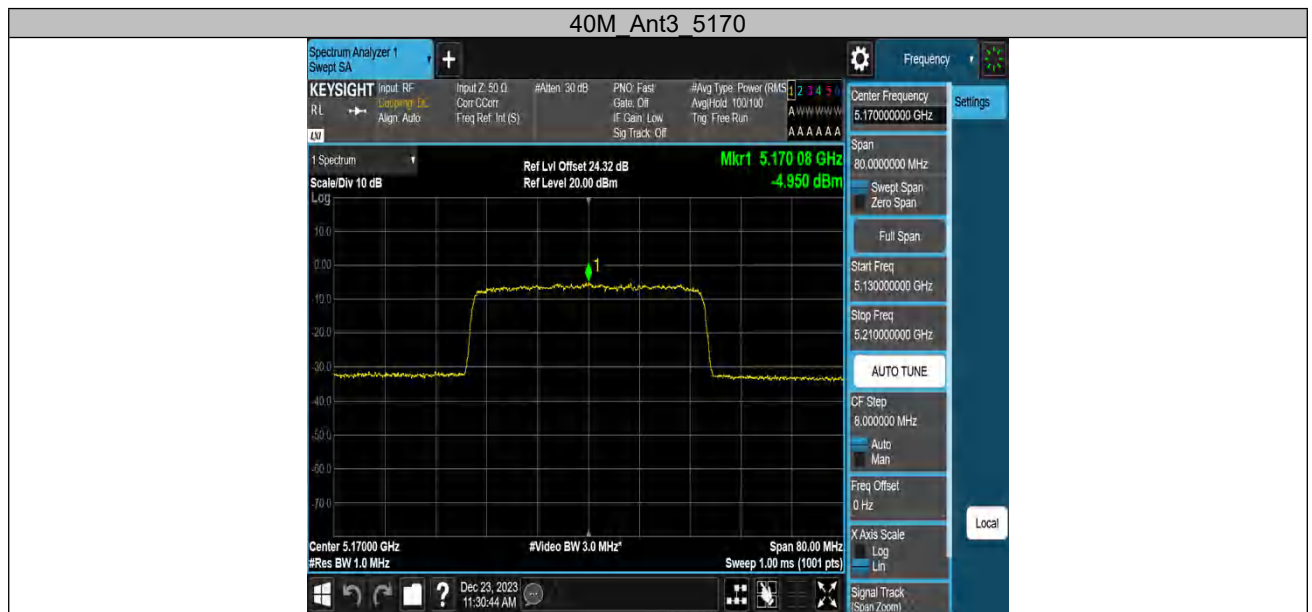




5.2GHz SDR, 40MHz BW

SISO mode (Worst case_ANT3)

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
40M	Ant3	5170	-4.95	≤11.00	PASS
		5200	4.26	≤11.00	PASS
		5230	4.38	≤11.00	PASS





MIMO mode (Worst case_ANT0+ANT3)

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
40M	Ant0	5170	-7.01	≤11.00	PASS
	Ant3	5170	-6.77	≤11.00	PASS
	total	5170	-3.88	≤11.00	PASS
	Ant0	5200	4.23	≤11.00	PASS
	Ant3	5200	2.70	≤11.00	PASS
	total	5200	6.54	≤11.00	PASS
	Ant0	5230	2.53	≤11.00	PASS
	Ant3	5230	0.01	≤11.00	PASS
	total	5230	4.46	≤11.00	PASS





Appendix A.2: Test Results of Frequency Stability

Note: This testing was carried out on SISO mode and MIMO mode, but only the worst case (MIMO mode ANT2+ANT1) was presented in this report.

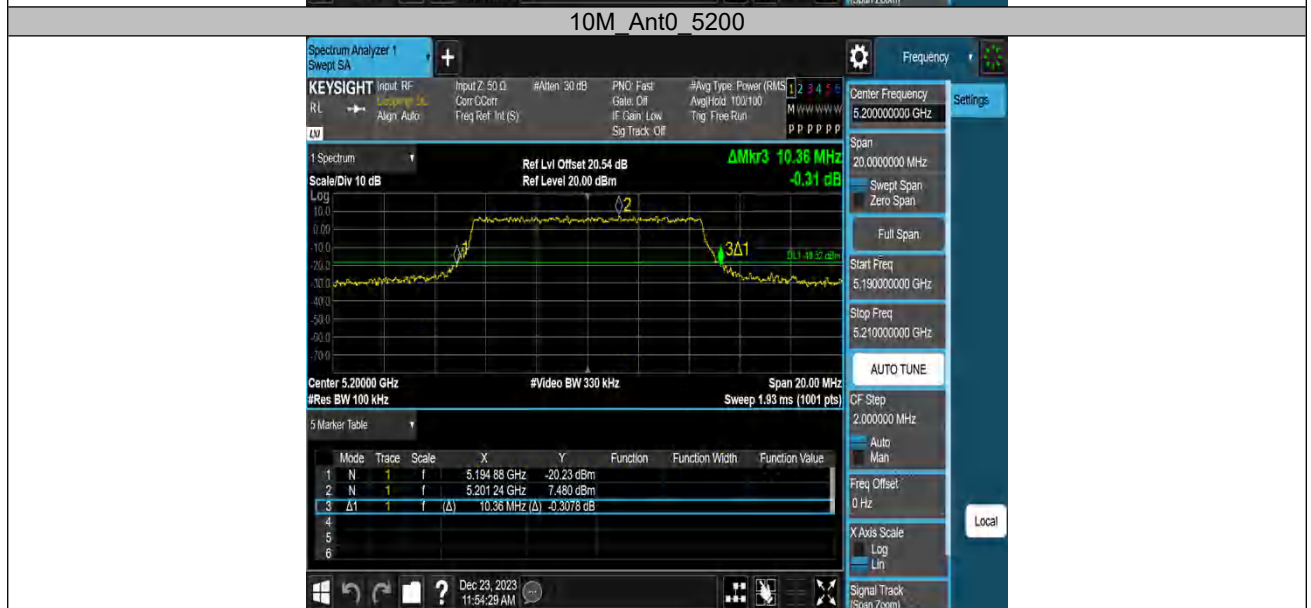
Voltage							
TestMode	Antenna	Channel	Voltage [Vdc]	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
10MHz	Ant0	5157	na	-3000.00	-0.581734	20	PASS
		5200	na	-3000.00	-0.576923	20	PASS
		5245	na	-3000.00	-0.571973	20	PASS
20MHz	Ant0	5161	na	-3000.00	-0.581283	20	PASS
		5200	na	-3000.00	-0.576923	20	PASS
		5240	na	-3000.00	-0.572519	20	PASS
40MHz	Ant0	5170	na	-4000.00	-0.773694	20	PASS
		5200	na	-3000.00	-0.576923	20	PASS
		5230	na	-3000.00	-0.573614	20	PASS

Appendix A.3: Test Results of 26dB Bandwidth

Note: This testing was carried out on SISO mode and MIMO mode, but only the worst case (MIMO mode ANT0+ANT3) was presented in this report.

5.2GHz SDR, 10MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant0	5157	10.660	5151.700	5162.360	---	PASS
		5200	10.360	5194.880	5205.240	---	PASS
		5245	10.380	5239.900	5250.280	---	PASS





5.2GHz SDR, 20MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant0	5161	19.360	5151.280	5170.640	---	PASS
		5200	19.320	5190.360	5209.680	---	PASS
		5240	19.360	5230.240	5249.600	---	PASS





5.2GHz SDR, 40MHz BW

TestMode	Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
40M	Ant0	5170	37.760	5151.120	5188.880	---	PASS
		5200	37.680	5181.120	5218.800	---	PASS
		5230	37.600	5211.200	5248.800	---	PASS



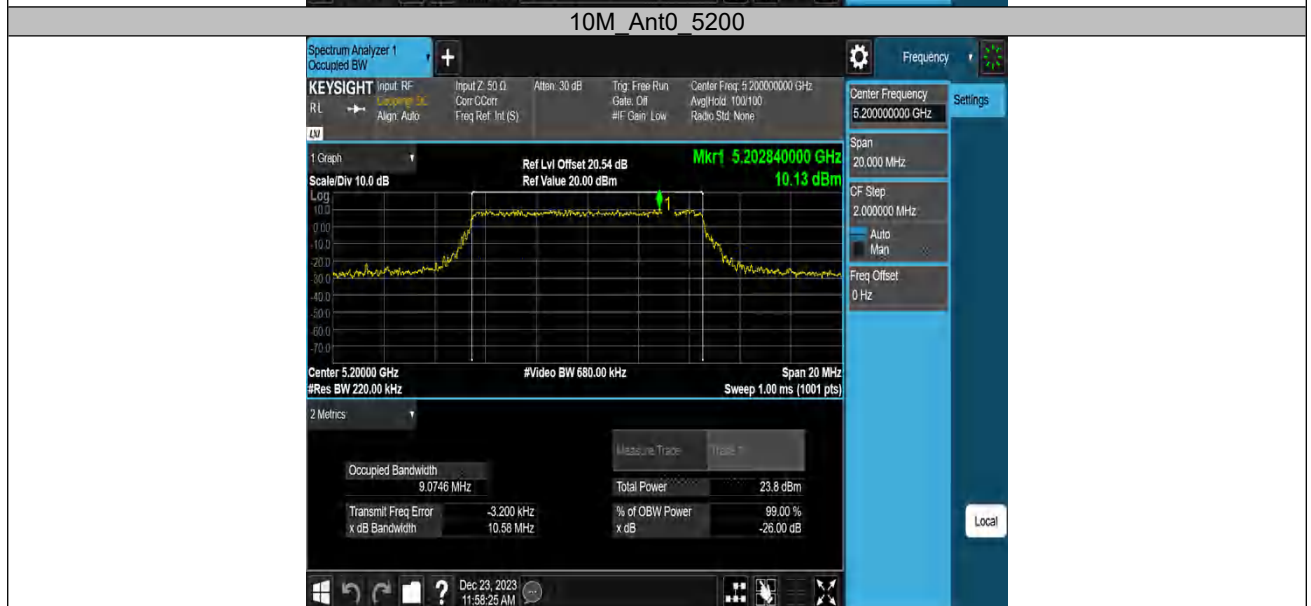
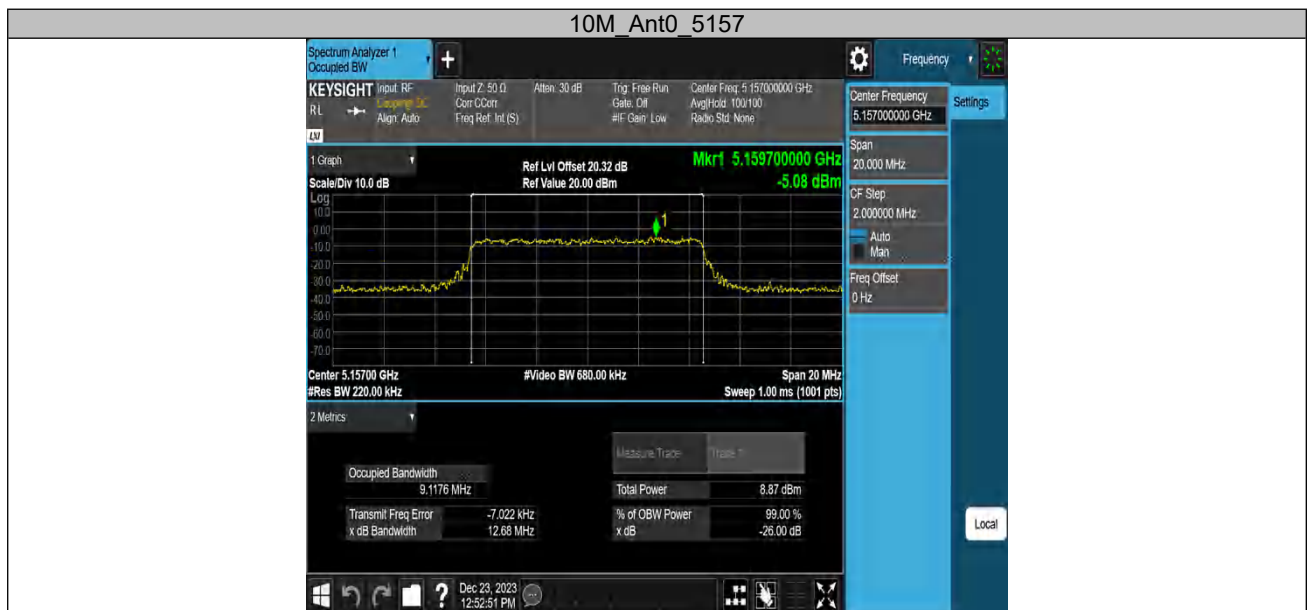


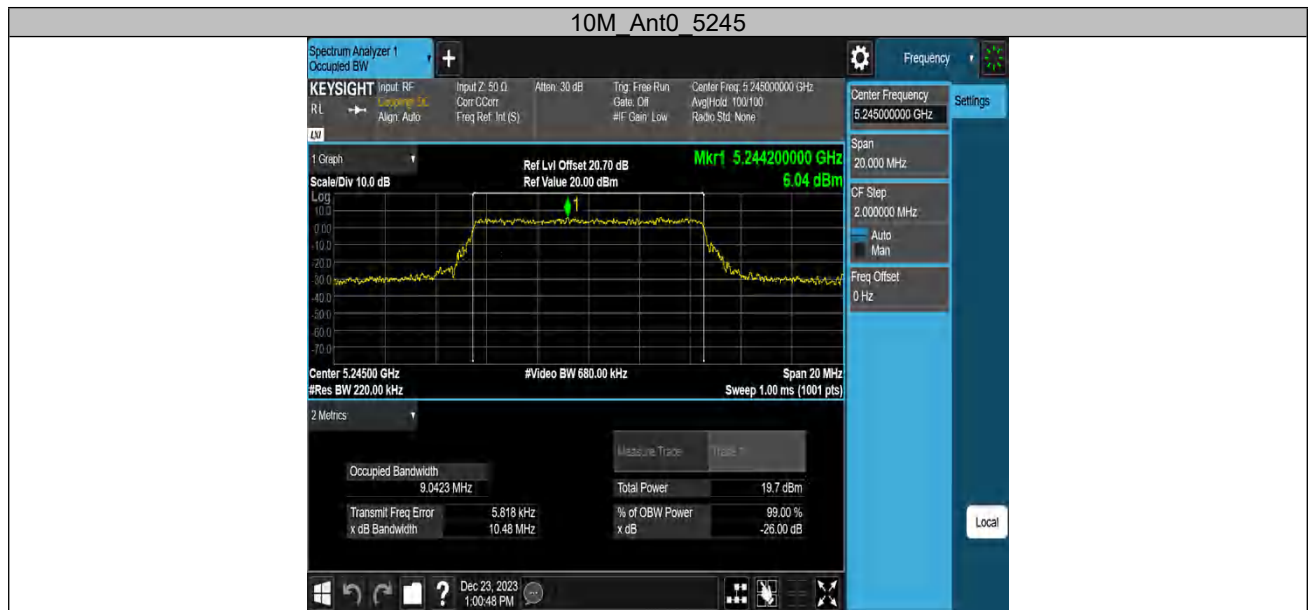
Appendix A.4: Test Results of 99% Bandwidth

Note: This testing was carried out on SISO mode and MIMO mode, but only the worst case (MIMO mode ANT0+ANT3) was presented in this report.

5.2GHz SDR, 10MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
10M	Ant0	5157	9.1176	5152.4342	5161.5518	---	PASS
		5200	9.0746	5195.4595	5204.5341	---	PASS
		5245	9.0423	5240.4847	5249.5270	---	PASS

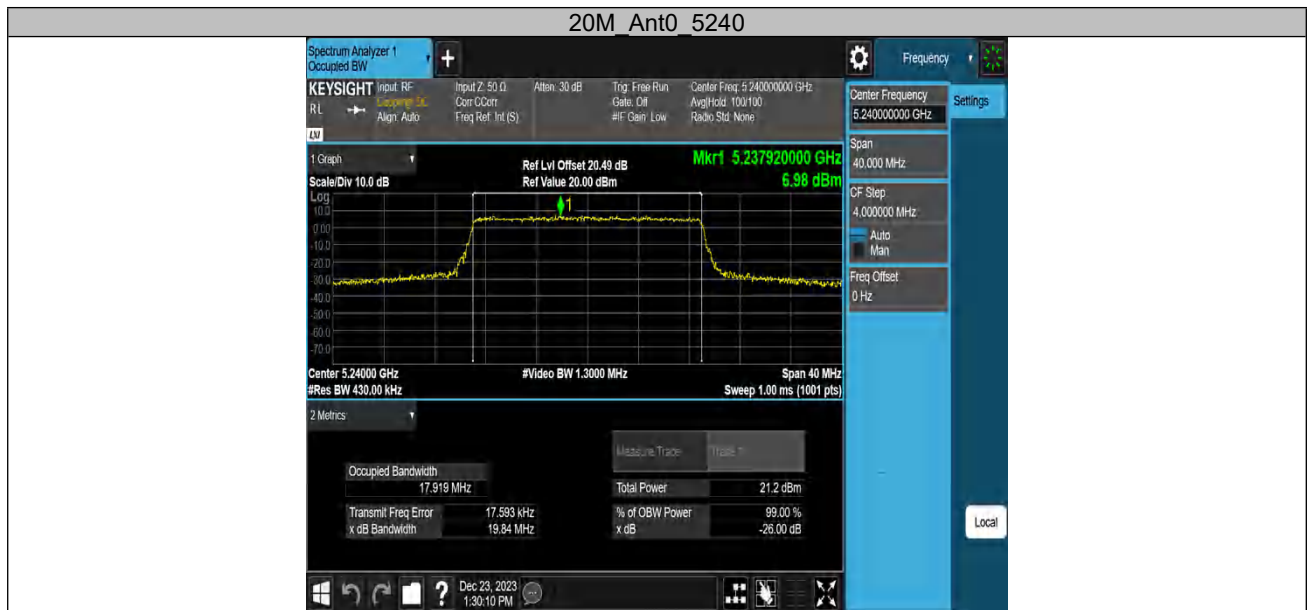




5.2GHz SDR, 20MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
20M	Ant0	5161	18.018	5152.0139	5170.0319	---	PASS
		5200	17.980	5191.0139	5208.9939	---	PASS
		5240	17.919	5231.0581	5248.9771	---	PASS





5.2GHz SDR, 40MHz BW

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
40M	Ant0	5170	35.994	5152.0529	5188.0469	---	PASS
		5200	35.992	5182.0442	5218.0362	---	PASS
		5230	35.926	5212.0470	5247.9730	---	PASS





Appendix A.5: Test Results of Radiated Spurious Emissions

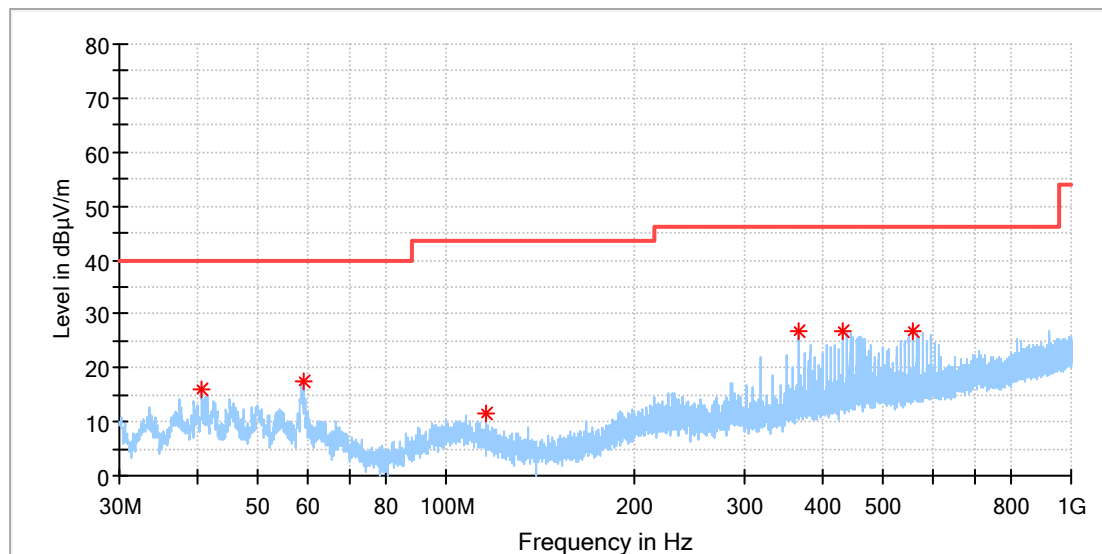
Note:

- 1) This testing was carried out on SISO mode and MIMO mode, but only the worst case (MIMO mode ANT0+ANT3) 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 (Worst case)

EUT Information

EUT Name:	DJI Avata 2
Model:	QF3W4K
Test Mode:	SDR 5.2G_10M_5200MHz
Order No/Sample No:	168438670/A003598699-013
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

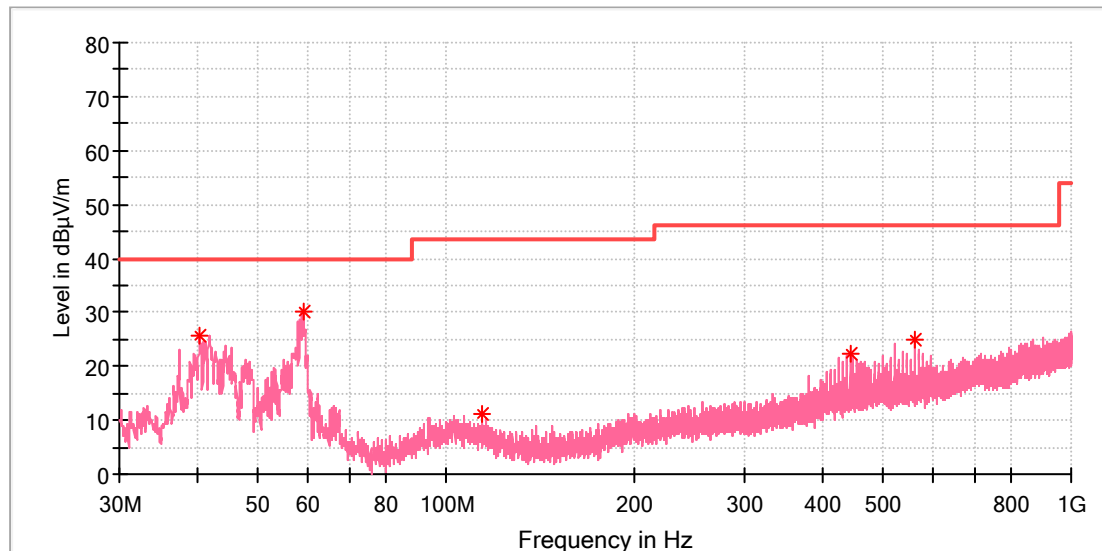


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
40.558077	15.96	40.00	24.04	100.0	H	322.0	-20.3
59.174615	17.55	40.00	22.45	100.0	H	84.0	-19.2
115.621154	11.70	43.50	31.80	100.0	H	174.0	-20.2
365.694615	26.79	46.00	19.21	100.0	H	191.0	-14.8
430.087692	26.82	46.00	19.18	100.0	H	0.0	-13.6
556.523462	26.78	46.00	19.22	100.0	H	0.0	-11.0

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_10M_5200MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

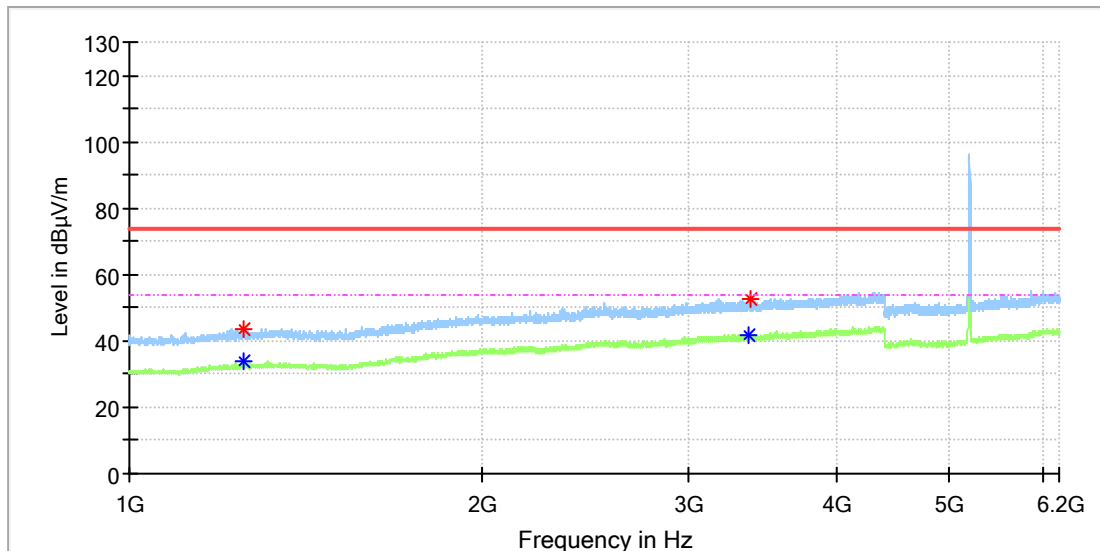
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
40.371539	25.82	40.00	14.18	100.0	V	81.0	-20.3
59.100000	30.21	40.00	9.79	100.0	V	208.0	-19.2
114.427308	11.22	43.50	32.28	100.0	V	216.0	-20.0
442.361923	22.22	46.00	23.78	100.0	V	57.0	-13.4
563.388077	24.89	46.00	21.11	100.0	V	113.0	-10.9

1GHz - 18GHz

Note: The highest waveform in the figure is 5.2GHz SDR Fundamental.

EUT Information

EUT Name:	DJI Avata 2
Model:	QF3W4K
Test Mode:	SDR 5.2G_10M_5200MHz
Order No/Sample No:	168438670/A003598699-013
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

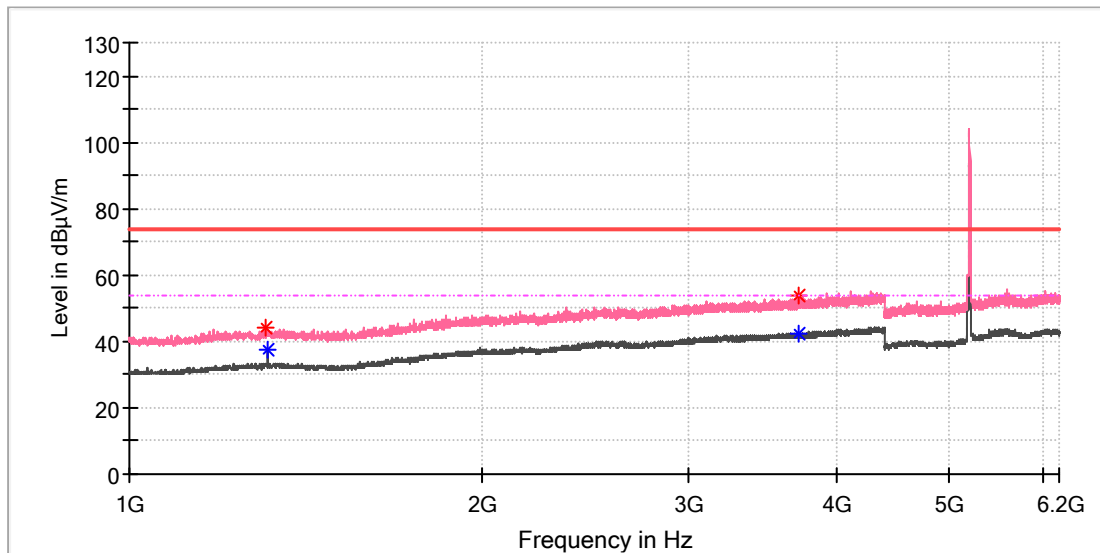
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1249.500000	43.53	---	74.00	30.47	150.0	H	26.0	1.9
1252.500000	---	33.64	54.00	20.36	150.0	H	278.0	1.9
3373.500000	---	41.86	54.00	12.14	150.0	H	349.0	8.6
3386.000000	52.50	---	74.00	21.50	150.0	H	66.0	8.7

Final_Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_10M_5200MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

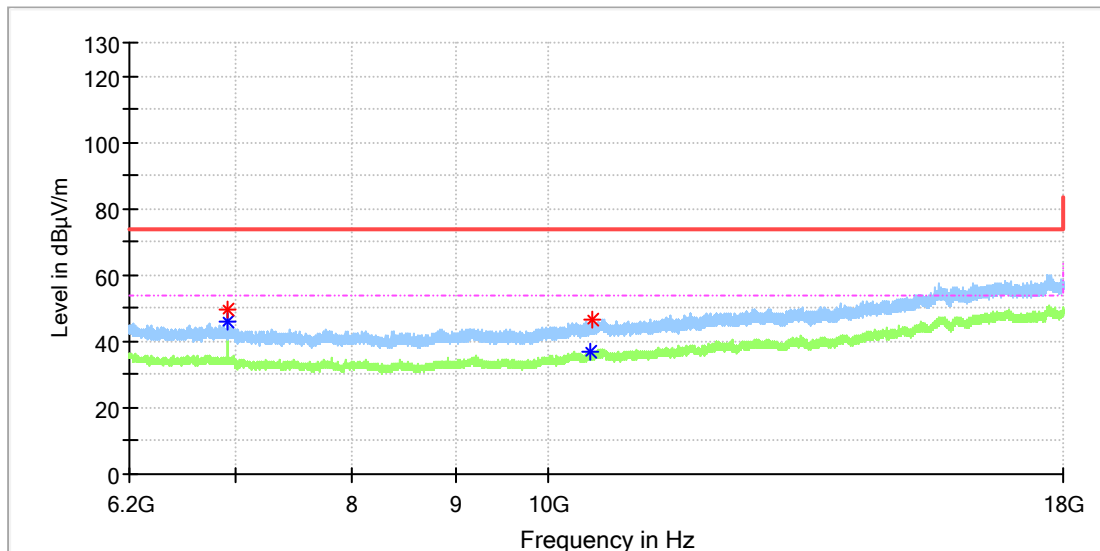
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1308.000000	44.37	---	74.00	29.63	150.0	V	231.0	2.0
1312.500000	---	37.33	54.00	16.67	150.0	V	239.0	2.0
3713.000000	53.86	---	74.00	20.14	150.0	V	297.0	9.6
3716.500000	---	42.13	54.00	11.87	150.0	V	146.0	9.6

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_10M_5200MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

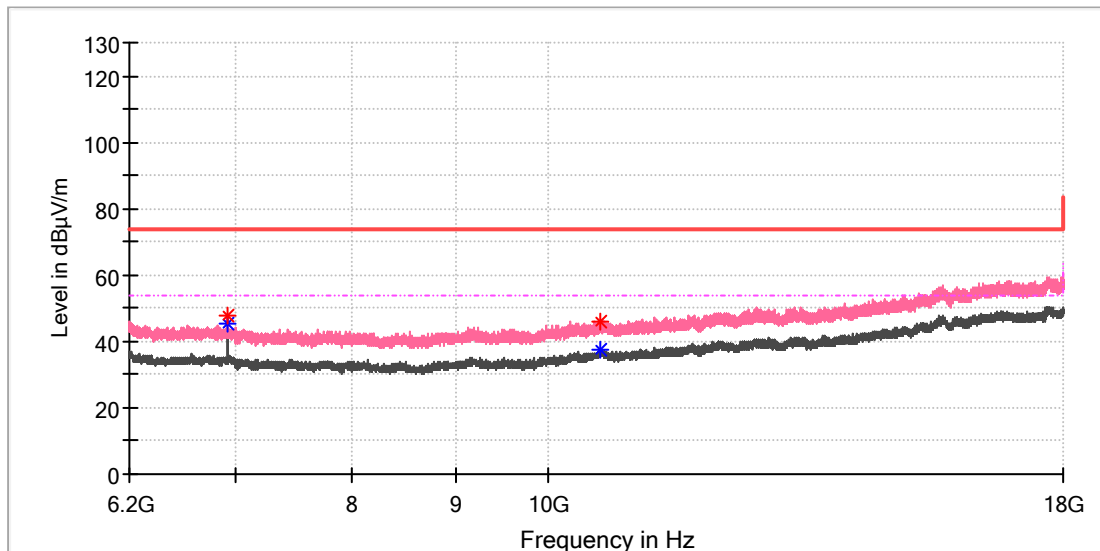
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6933.075000	49.39	---	74.00	24.61	150.0	H	287.0	8.6
6933.075000	---	46.14	54.00	7.86	150.0	H	287.0	8.6
10493.725000	---	36.89	54.00	17.11	150.0	H	274.0	12.0
10507.491667	46.28	---	74.00	27.72	150.0	H	323.0	12.0

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_10M_5200MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

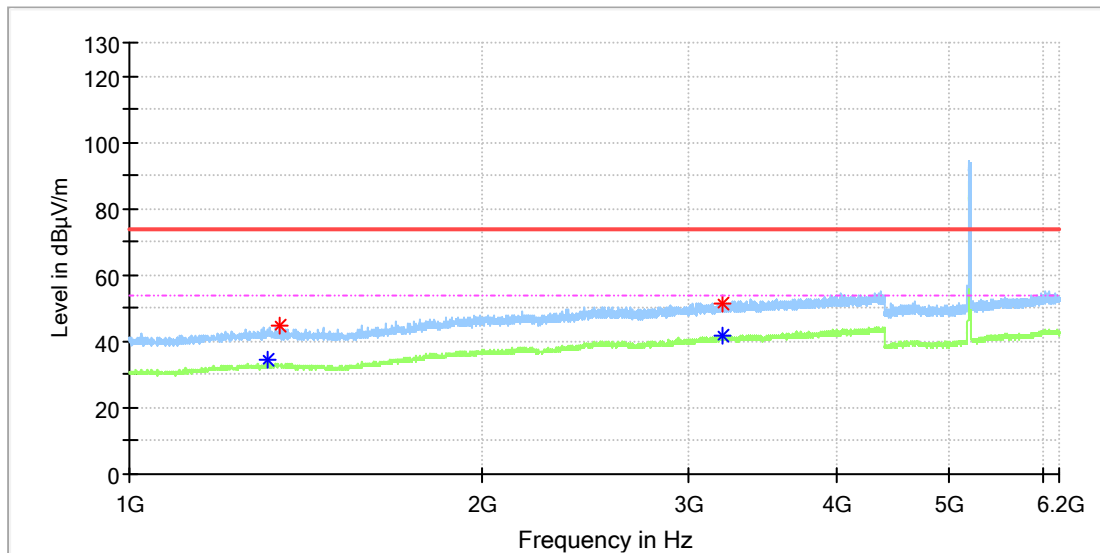
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6933.075000	---	45.19	54.00	8.81	150.0	V	77.0	8.6
6933.075000	48.01	---	74.00	25.99	150.0	V	77.0	8.6
10609.758333	---	37.60	54.00	16.40	150.0	V	353.0	12.0
10621.066667	46.20	---	74.00	27.80	150.0	V	100.0	12.0

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_20M_5200MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

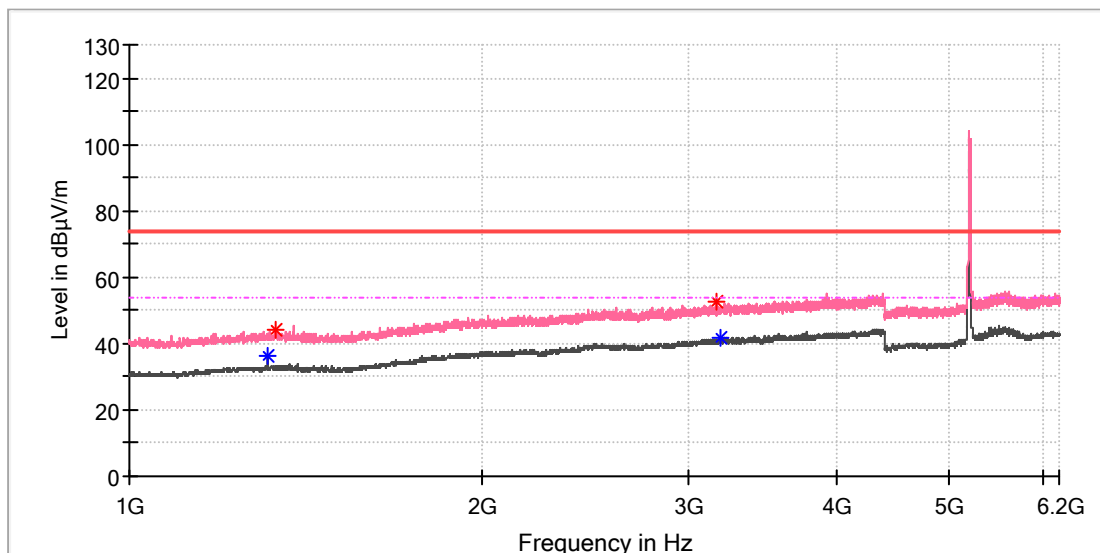
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1312.500000	---	34.73	54.00	19.27	150.0	H	264.0	2.0
1341.500000	44.51	---	74.00	29.49	150.0	H	349.0	2.1
3199.500000	51.62	---	74.00	22.38	150.0	H	322.0	8.6
3205.000000	---	41.52	54.00	12.48	150.0	H	0.0	8.6

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_20M_5200MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

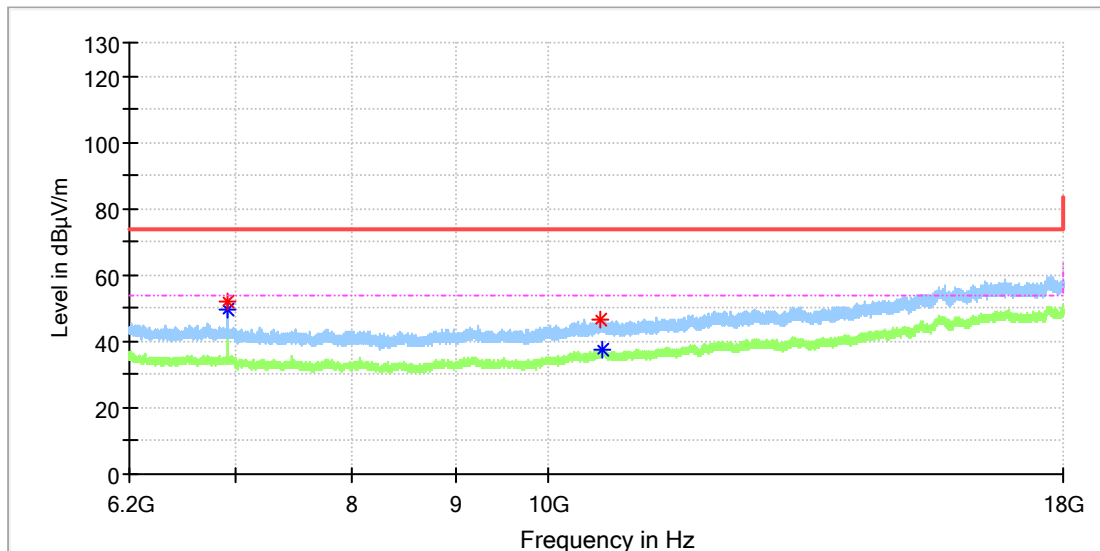
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1312.000000	---	36.32	54.00	17.68	150.0	V	243.0	2.0
1334.000000	44.13	---	74.00	29.87	150.0	V	152.0	2.1
3164.000000	52.48	---	74.00	21.52	150.0	V	314.0	8.6
3191.000000	---	41.71	54.00	12.29	150.0	V	335.0	8.6

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_20M_5200MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

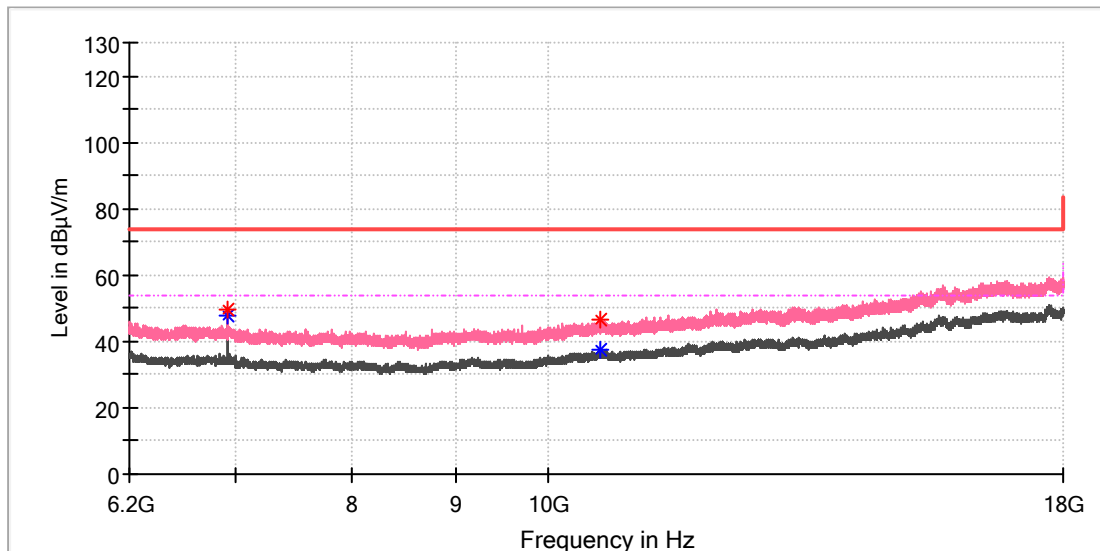
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6933.075000	51.92	---	74.00	22.08	150.0	H	344.0	8.6
6933.075000	---	49.28	54.00	4.72	150.0	H	344.0	8.6
10622.541667	46.42	---	74.00	27.58	150.0	H	320.0	12.0
10641.716667	---	37.41	54.00	16.59	150.0	H	187.0	12.0

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_20M_5200MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

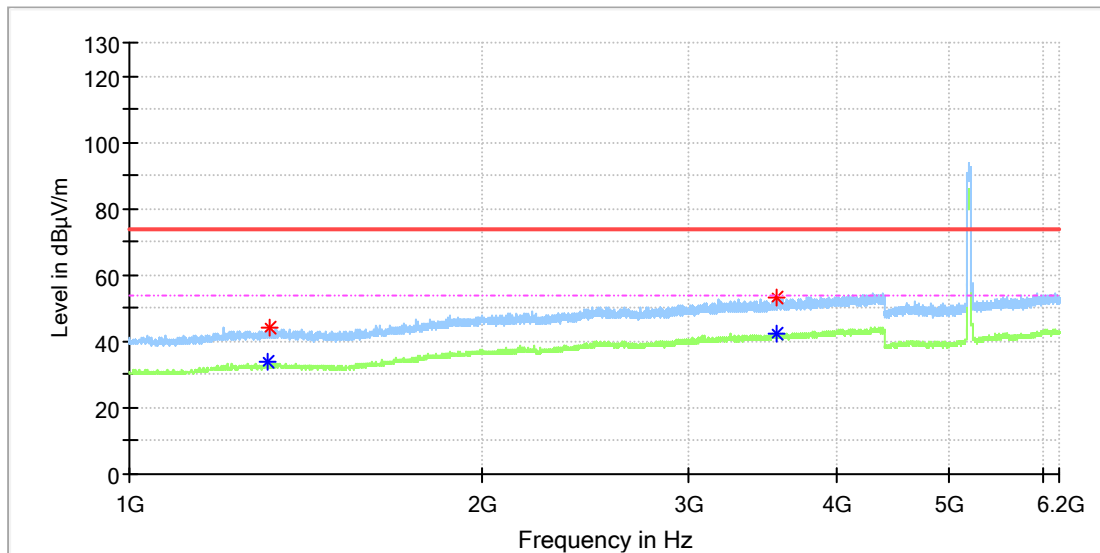
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6933.075000	49.52	---	74.00	24.48	150.0	V	30.0	8.6
6933.075000	---	47.50	54.00	6.50	150.0	V	30.0	8.6
10603.858333	---	37.38	54.00	16.62	150.0	V	90.0	12.1
10623.033333	46.35	---	74.00	27.65	150.0	V	138.0	12.0

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_40M_5200MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

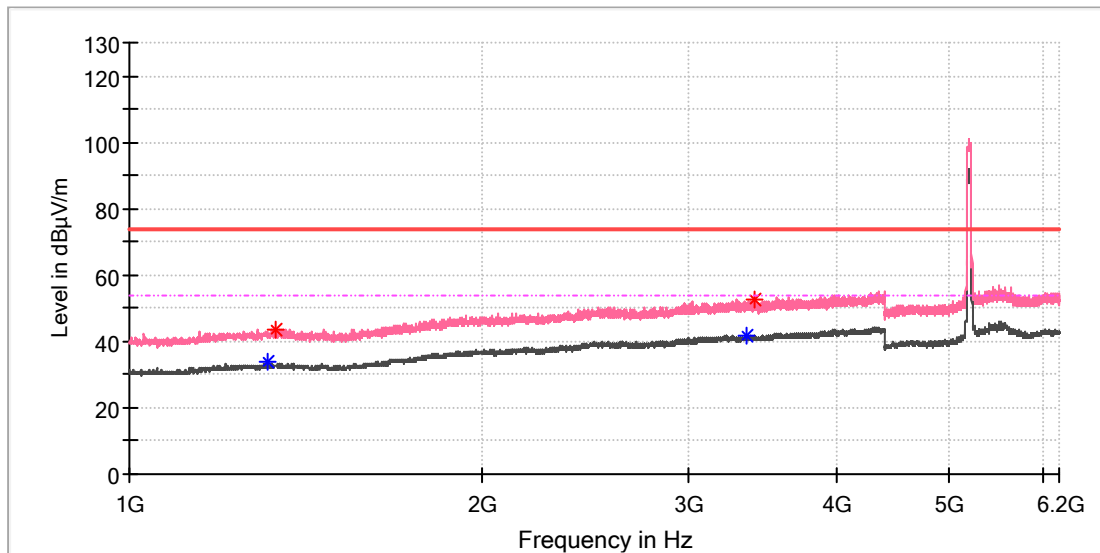
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1312.500000	---	34.12	54.00	19.88	150.0	H	111.0	2.0
1315.000000	43.88	---	74.00	30.12	150.0	H	261.0	2.0
3561.500000	---	42.36	54.00	11.64	150.0	H	359.0	9.2
3562.500000	53.42	---	74.00	20.58	150.0	H	161.0	9.2

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_40M_5200MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

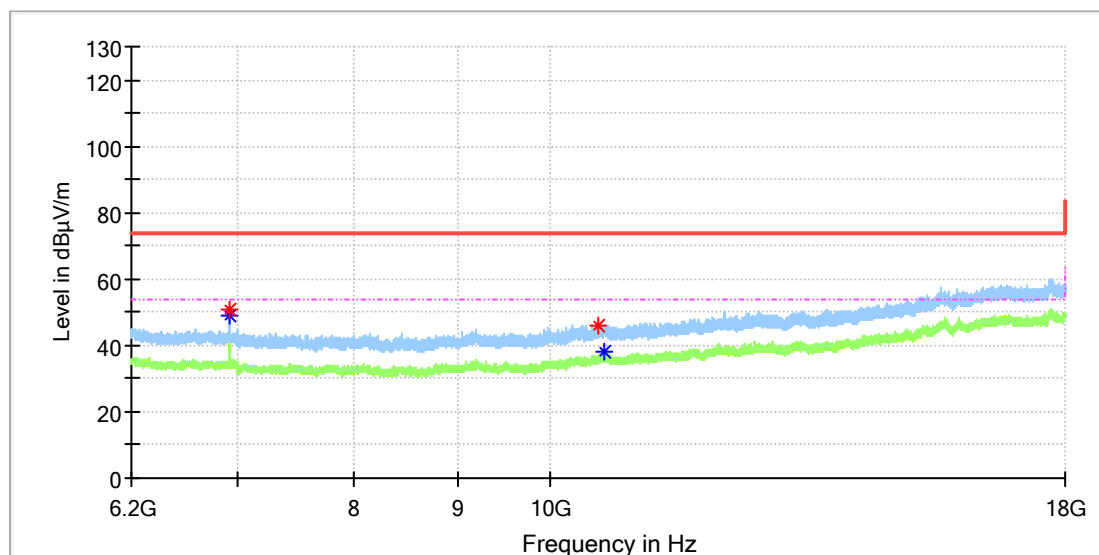
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1312.500000	---	33.99	54.00	20.01	150.0	V	234.0	2.0
1330.000000	43.80	---	74.00	30.20	150.0	V	279.0	2.1
3359.500000	---	41.99	54.00	12.01	150.0	V	152.0	8.6
3411.500000	52.71	---	74.00	21.29	150.0	V	239.0	8.7

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_40M_5200MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

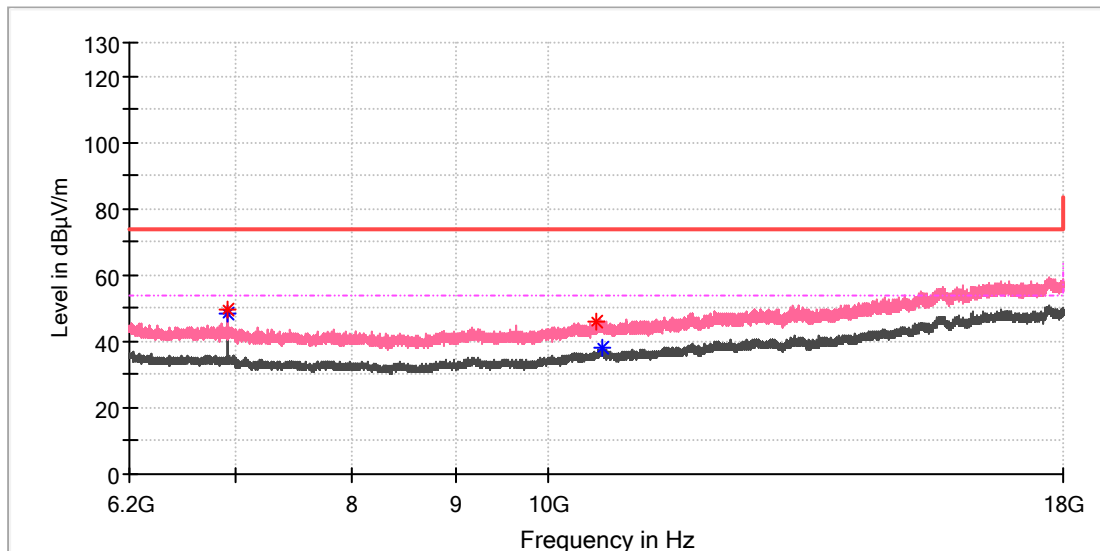
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6933.075000	50.64	---	74.00	23.36	150.0	H	288.0	8.6
6933.075000	---	48.79	54.00	5.21	150.0	H	288.0	8.6
10568.458333	46.11	---	74.00	27.89	150.0	H	71.0	12.0
10625.983333	---	38.10	54.00	15.90	150.0	H	21.0	12.0

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_40M_5200MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
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)
6933.075000	49.68	---	74.00	24.32	150.0	V	72.0	8.6
6933.075000	---	48.29	54.00	5.71	150.0	V	72.0	8.6
10565.016667	46.18	---	74.00	27.82	150.0	V	354.0	12.0
10628.441667	---	38.06	54.00	15.94	150.0	V	0.0	12.0

Final Result

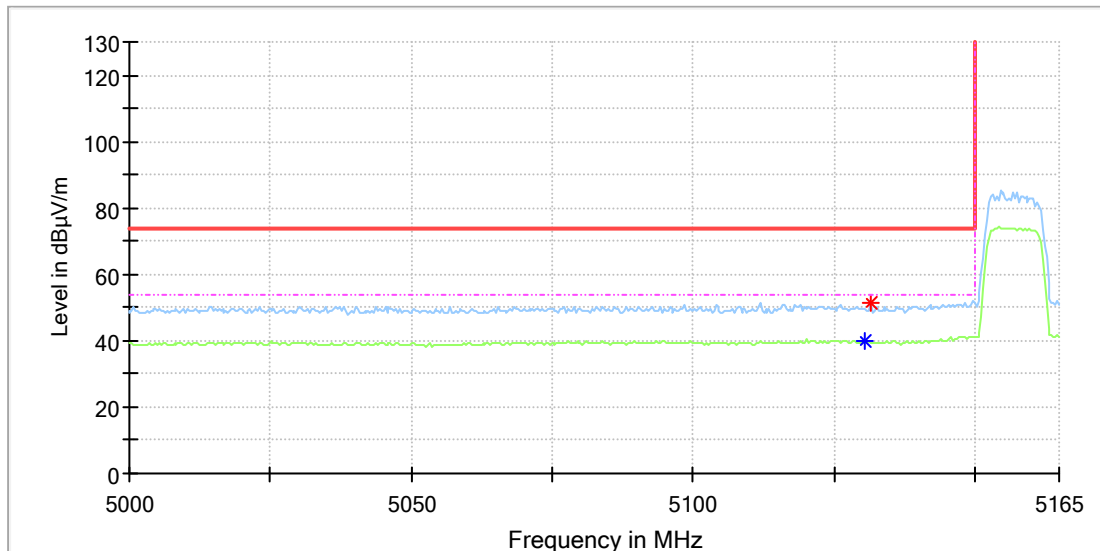
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.6: Test Results of Radiated Emissions in Restricted Bands

5.2GHz SDR, 10MHz BW

EUT Information

EUT Name:	DJI Avata 2
Model:	QF3W4K
Test Mode:	SDR 5.2G_10M_5157MHz
Order No/Sample No:	168438670/A003598699-013
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

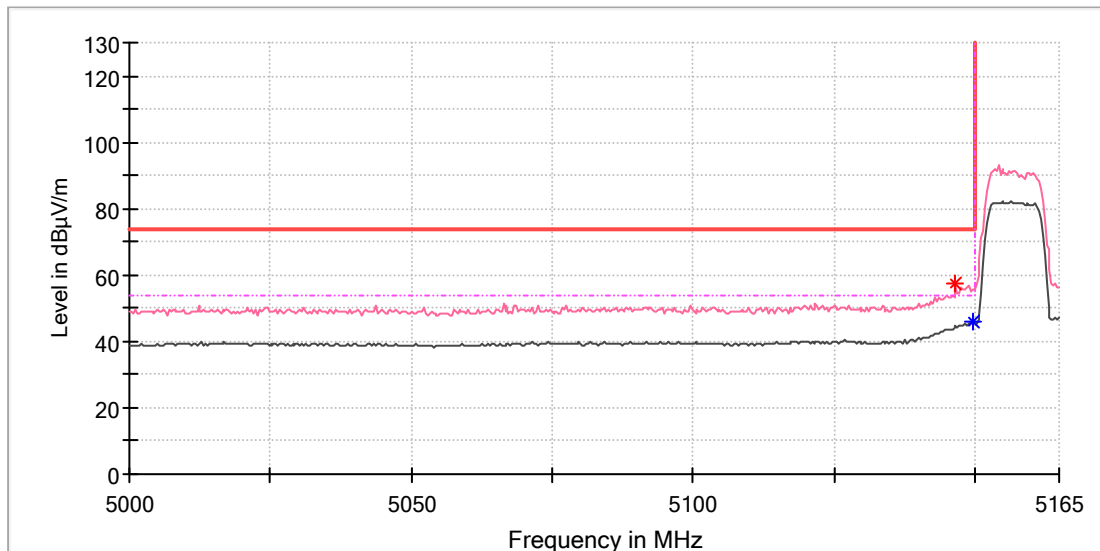
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5130.616667	---	39.77	54.00	14.23	150.0	H	110.0	12.4
5131.600000	51.50	---	74.00	22.50	150.0	H	233.0	12.4

Final_Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_10M_5157MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

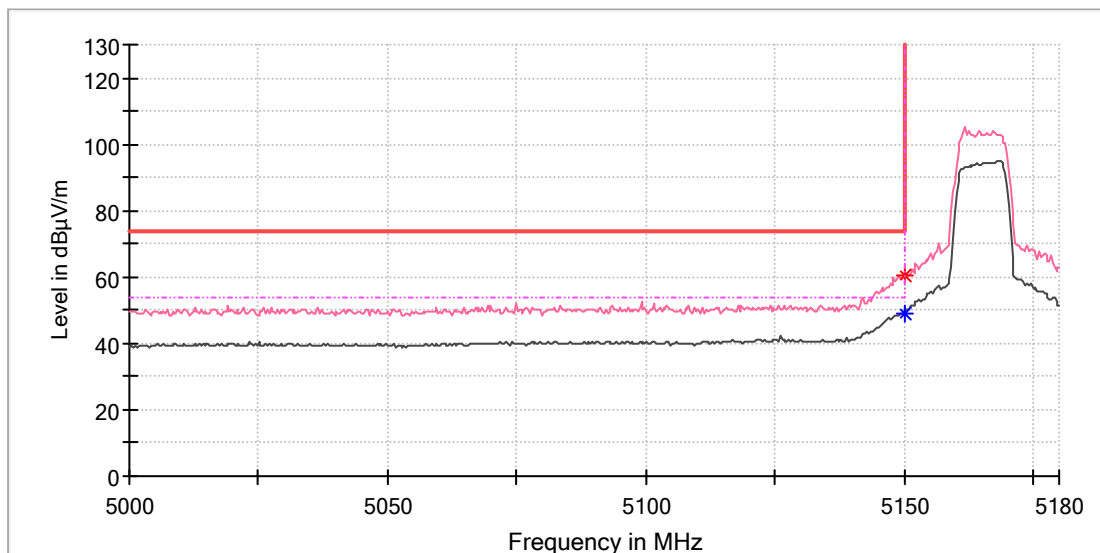
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5146.677778	57.33	---	74.00	16.67	150.0	V	306.0	12.4
5149.627778	---	45.84	54.00	8.16	150.0	V	143.0	12.4

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_10M_5165MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

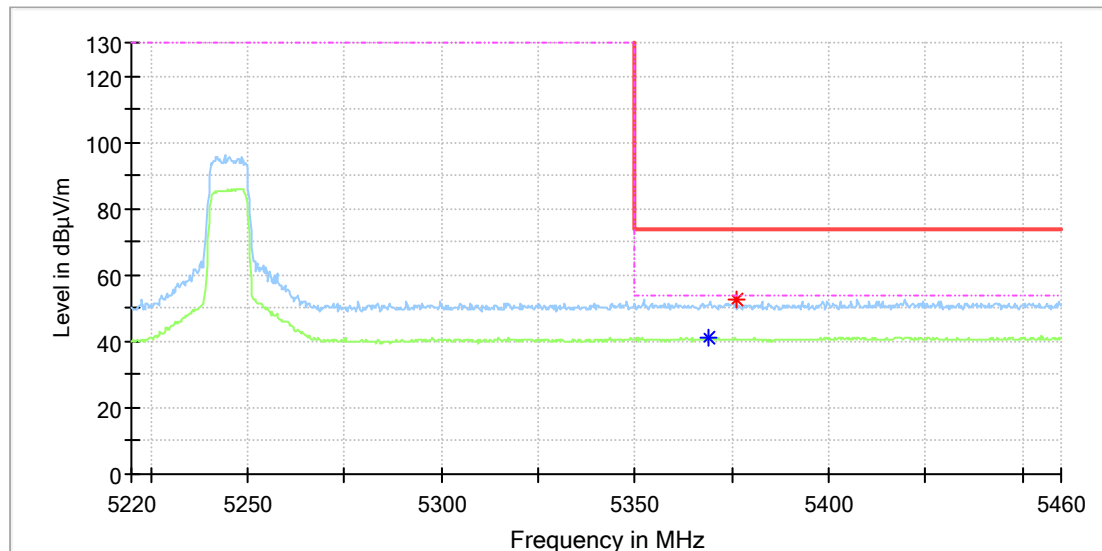
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.955556	---	49.28	54.00	4.72	150.0	V	129.0	12.4
5149.955556	60.58	---	74.00	13.42	150.0	V	129.0	12.4

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_10M_5245MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

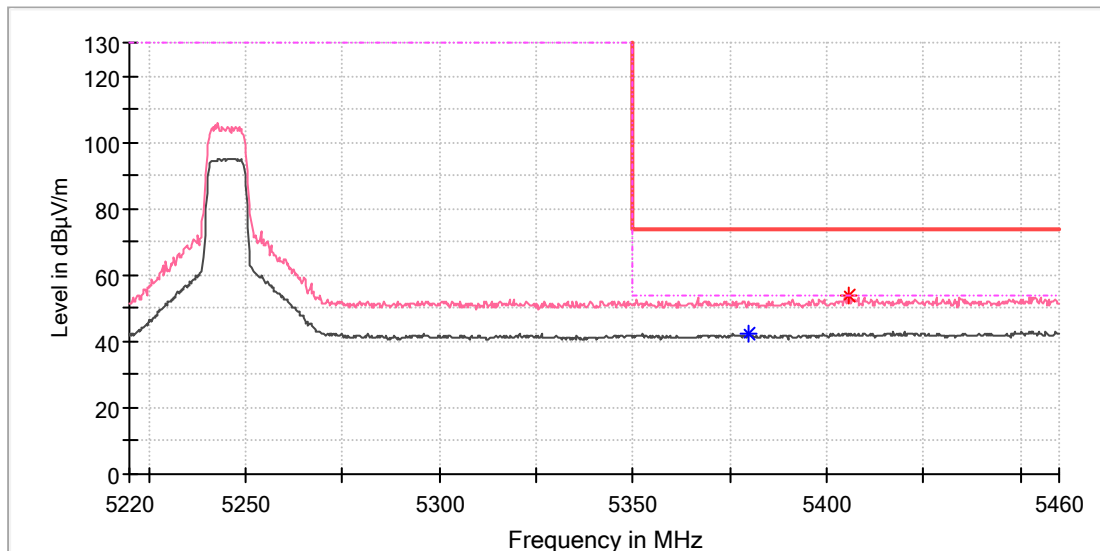
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5369.016667	---	41.07	54.00	12.93	150.0	H	37.0	13.3
5376.083333	52.41	---	74.00	21.59	150.0	H	209.0	13.4

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_10M_5245MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
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)
5379.911111	---	42.22	54.00	11.78	150.0	V	349.0	13.4
5405.822222	53.54	---	74.00	20.46	150.0	V	338.0	13.5

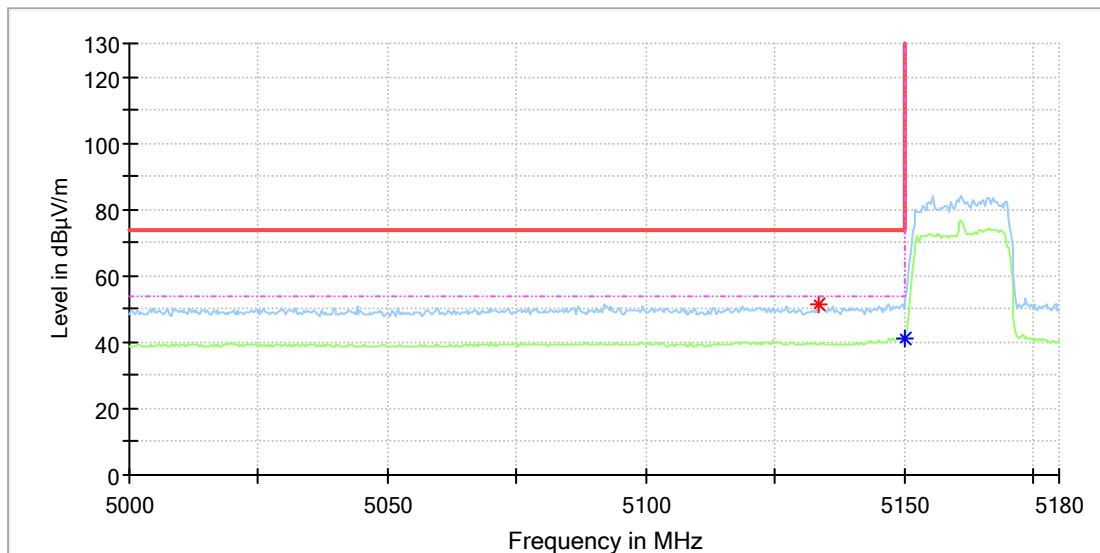
Final Result

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

5.2GHz SDR, 20MHz BW

EUT Information

EUT Name:	DJI Avata 2
Model:	QF3W4K
Test Mode:	SDR 5.2G_20M_5161MHz
Order No/Sample No:	168438670/A003598699-013
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

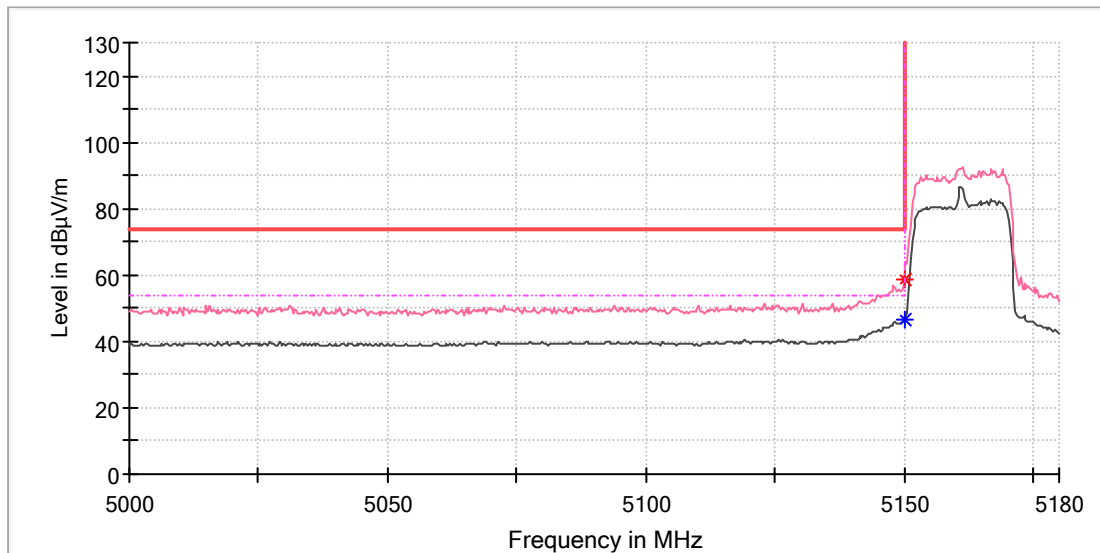
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5133.566667	51.31	---	74.00	22.69	150.0	H	0.0	12.4
5149.955556	---	41.34	54.00	12.66	150.0	H	103.0	12.4

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_20M_5161MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

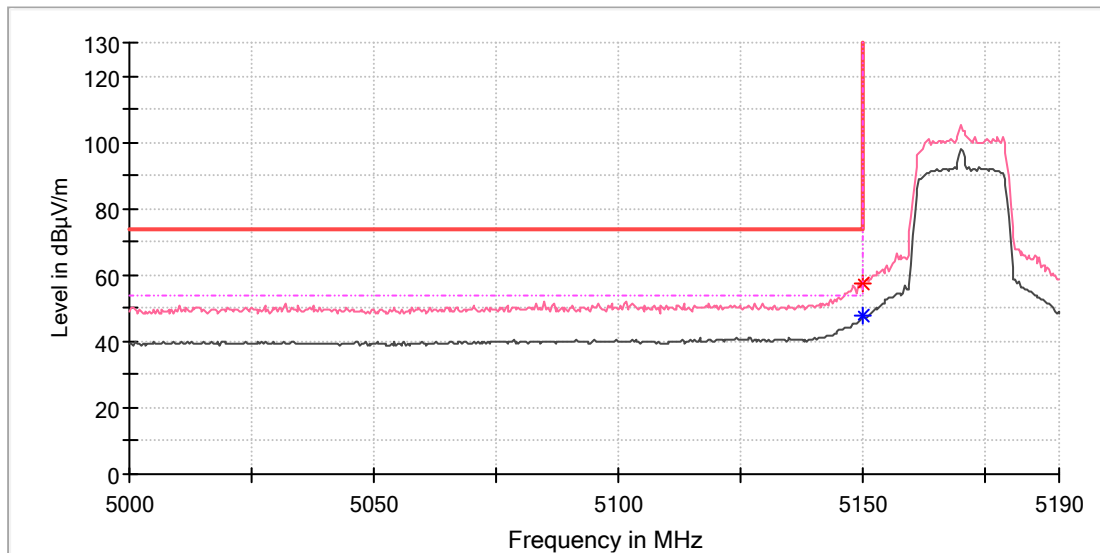
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.955556	58.48	---	74.00	15.52	150.0	V	132.0	12.4
5149.955556	---	46.51	54.00	7.49	150.0	V	132.0	12.4

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_20M_5170MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

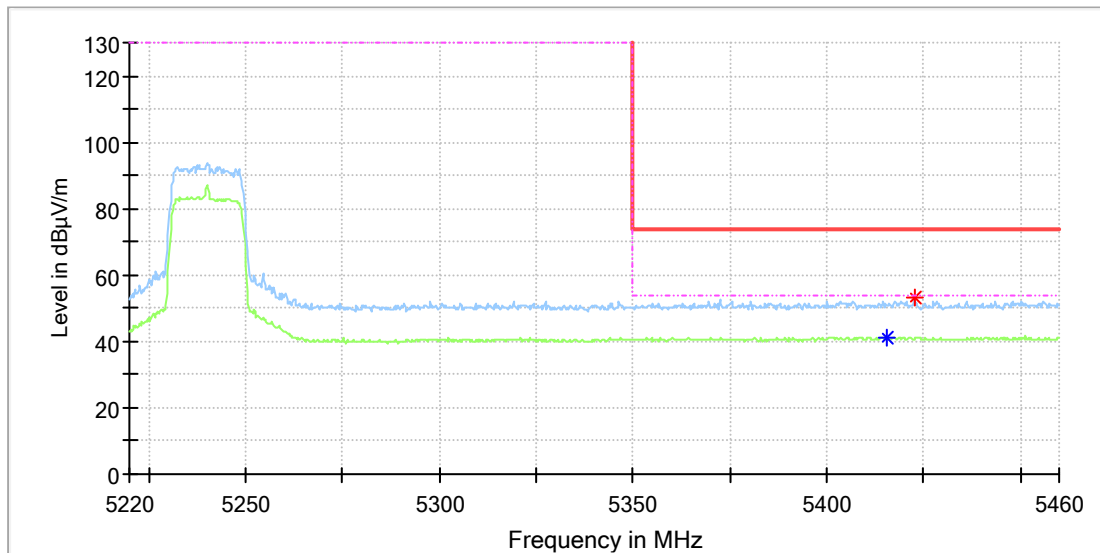
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.955556	57.45	---	74.00	16.55	150.0	V	312.0	12.4
5149.955556	---	47.70	54.00	6.30	150.0	V	312.0	12.4

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_20M_5240MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

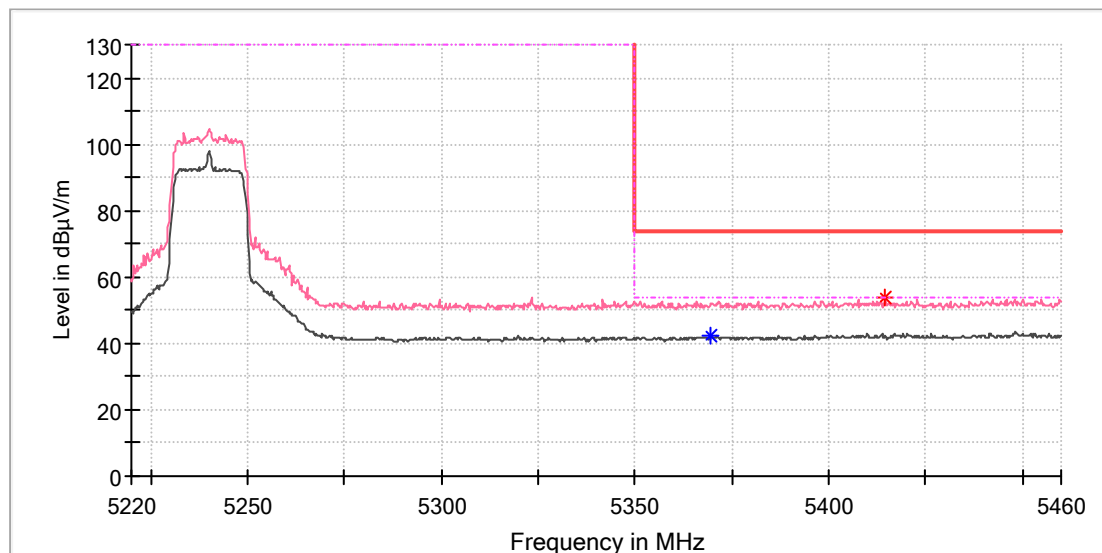
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5415.538889	---	41.19	54.00	12.81	150.0	H	318.0	13.5
5422.605556	53.39	---	74.00	20.61	150.0	H	329.0	13.5

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_20M_5240MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
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)
5369.605556	---	42.58	54.00	11.42	150.0	V	347.0	13.3
5414.655556	53.97	---	74.00	20.03	150.0	V	16.0	13.5

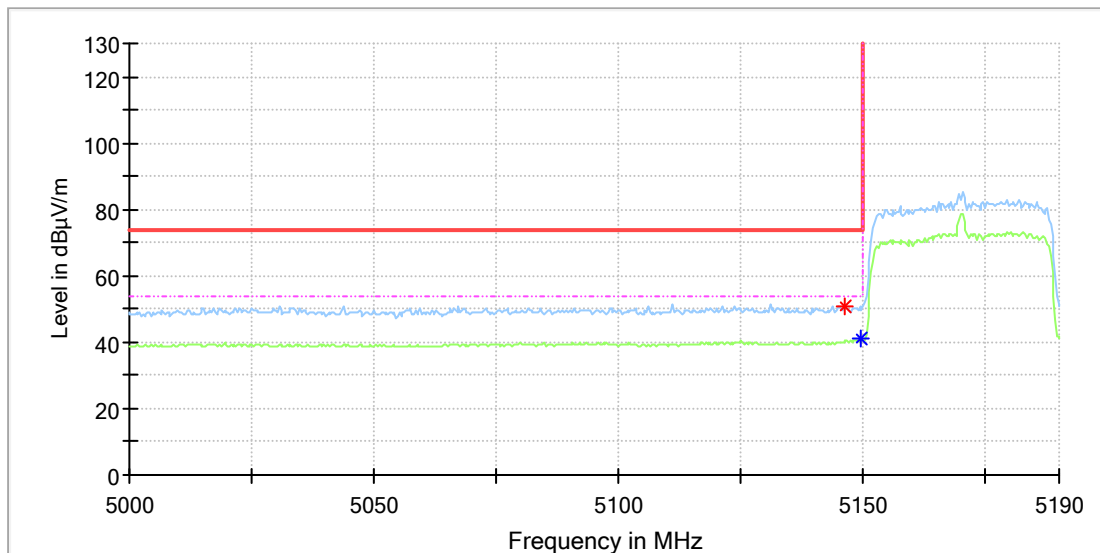
Final Result

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

5.2GHz SDR, 40MHz BW

EUT Information

EUT Name:	DJI Avata 2
Model:	QF3W4K
Test Mode:	SDR 5.2G_40M_5170MHz
Order No/Sample No:	168438670/A003598699-013
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

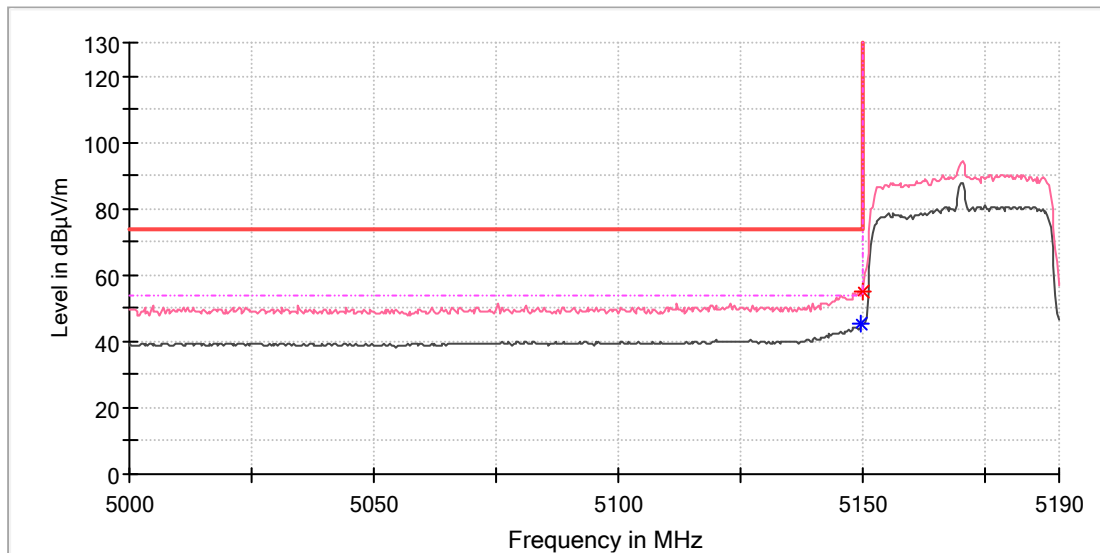
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5146.350000	50.95	---	74.00	23.05	150.0	H	111.0	12.4
5149.627778	---	40.97	54.00	13.03	150.0	H	97.0	12.4

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_40M_5170MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

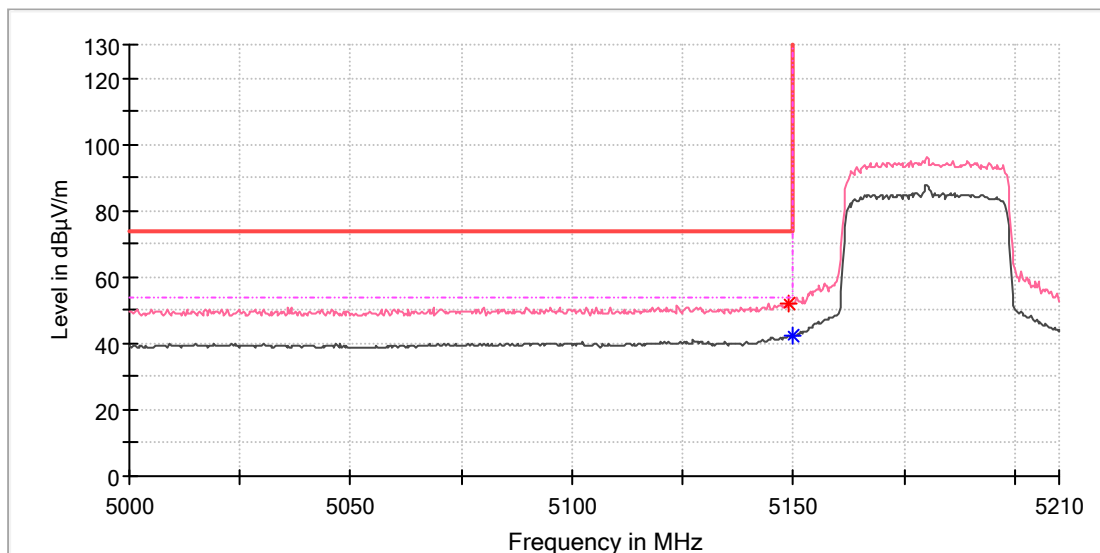
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.627778	---	45.16	54.00	8.84	150.0	V	136.0	12.4
5149.955556	54.99	---	74.00	19.01	150.0	V	293.0	12.4

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_40M_5180MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

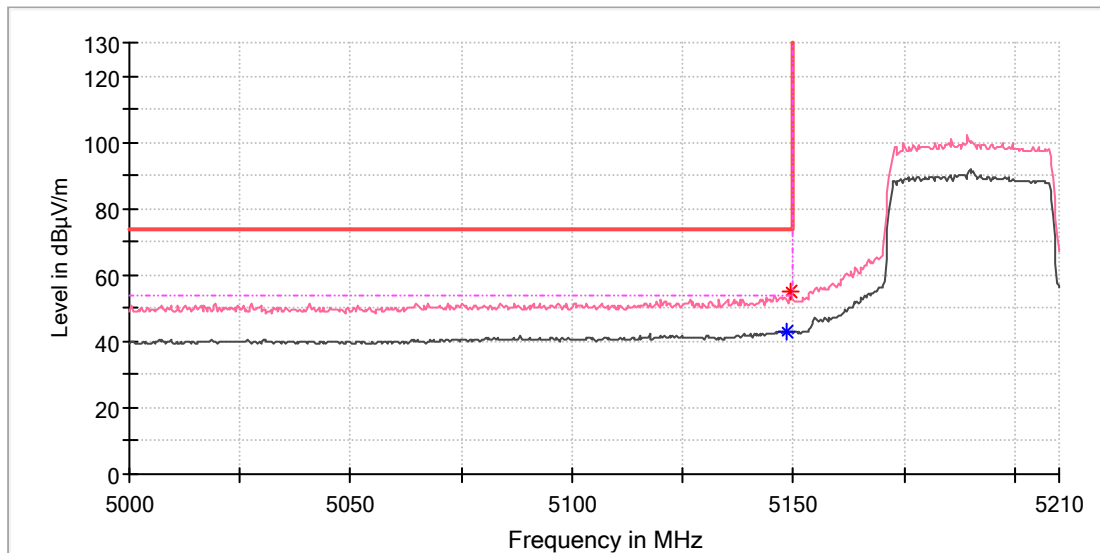
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.972222	52.21	---	74.00	21.79	150.0	V	94.0	12.4
5149.627778	---	42.46	54.00	11.54	150.0	V	138.0	12.4

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_40M_5190MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

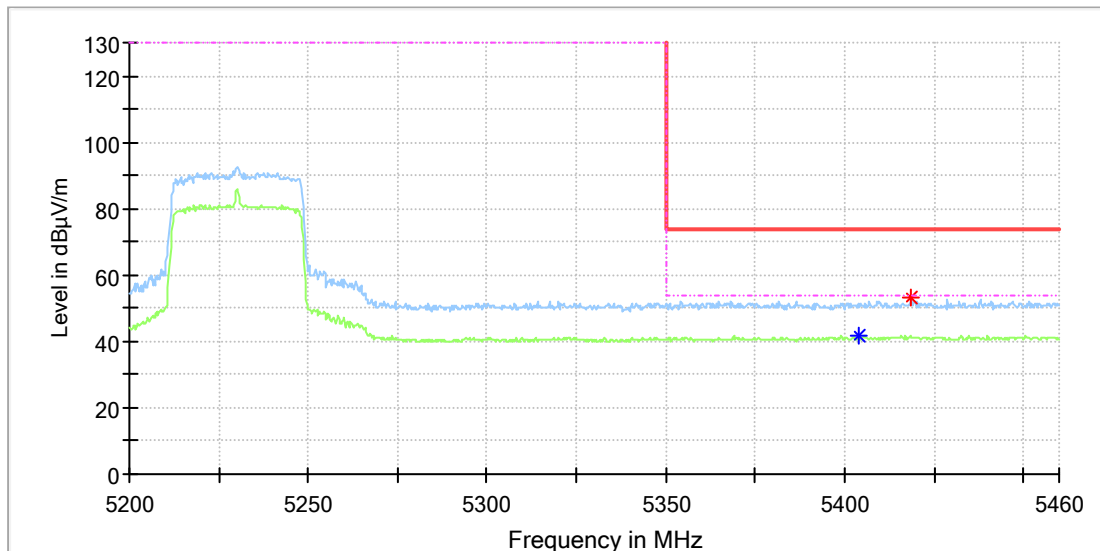
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.316667	---	43.12	54.00	10.88	150.0	V	291.0	12.4
5149.300000	55.29	---	74.00	18.71	150.0	V	305.0	12.4

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_40M_5230MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

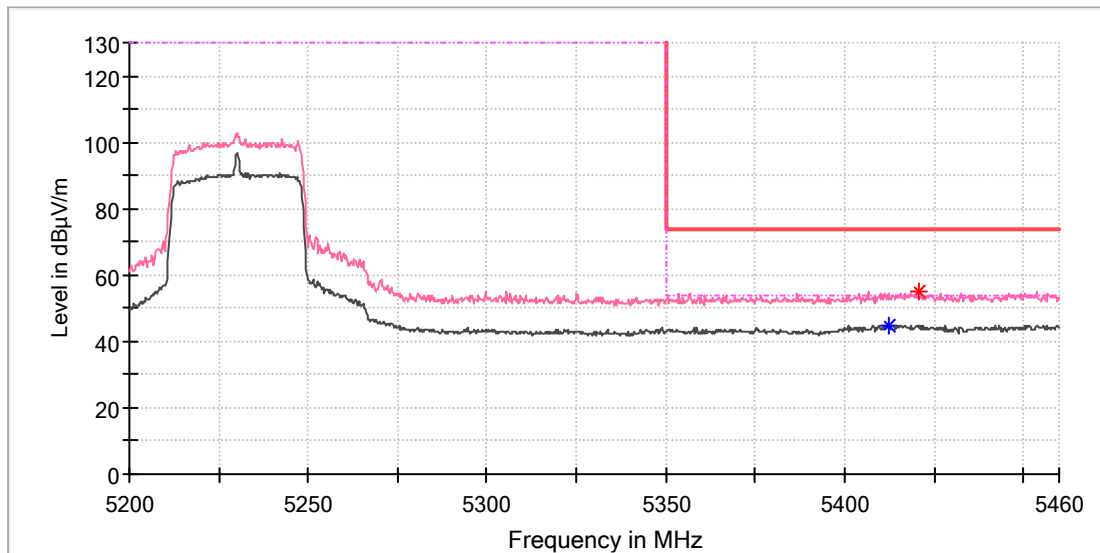
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5403.761111	---	41.58	54.00	12.42	150.0	H	94.0	13.5
5418.777778	53.25	---	74.00	20.75	150.0	H	0.0	13.5

Final Result

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

EUT Information

EUT Name: DJI Avata 2
Model: QF3W4K
Test Mode: SDR 5.2G_40M_5230MHz
Order No/Sample No: 168438670/A003598699-013
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.407
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)
5412.594444	---	45.04	54.00	8.96	150.0	V	341.0	13.5
5420.838889	55.28	---	74.00	18.72	150.0	V	341.0	13.5

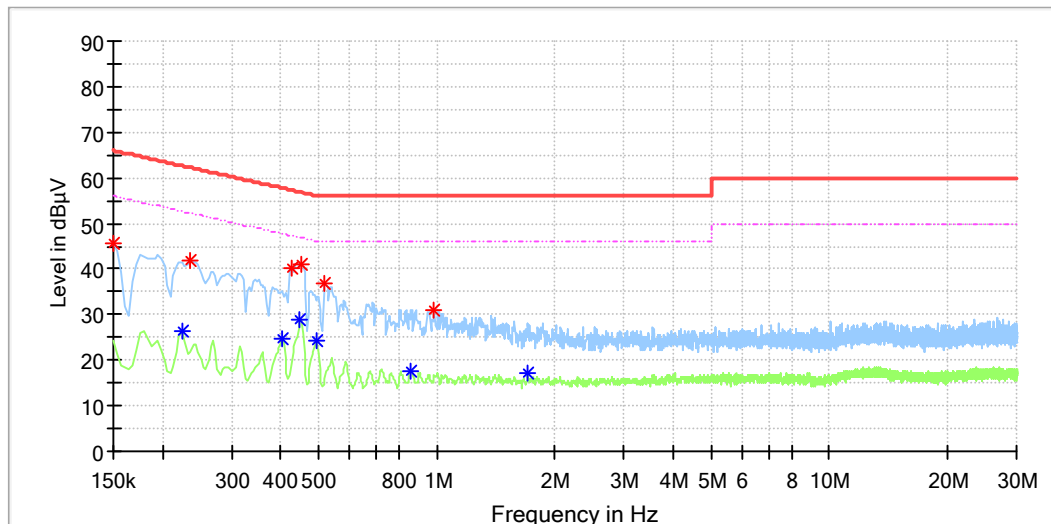
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.7: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: DJI Avata 2
Order Number: 168438670
Model: QF3W4K
Test Mode: 5.2G SDR
Test Voltage: AC 120V, 60Hz
Test Standard: FCC Part 15.207
Test By:/Review By: Eric Guo/ Gary Chen
Tem./Hum./Pressure: 25.0°C/51.2%/101kPa
Remark: SR2

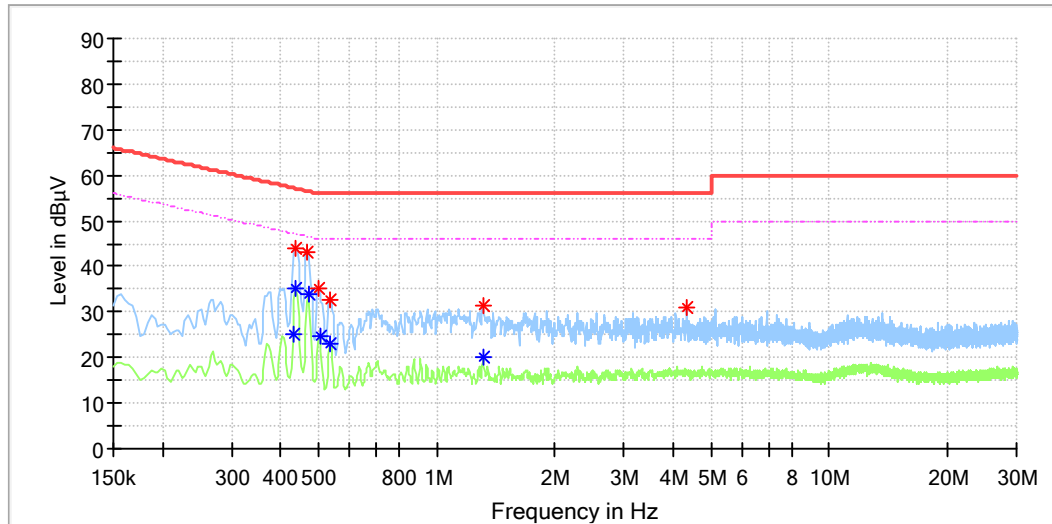


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.150000	45.72	---	66.00	20.28	L1	9.9
0.224625	---	26.52	52.65	26.13	L1	9.9
0.235819	42.04	---	62.24	20.20	L1	9.9
0.403725	---	24.65	47.78	23.13	L1	9.9
0.426113	40.13	---	57.33	17.20	L1	9.9
0.448500	---	28.95	46.90	17.95	L1	9.9
0.452231	40.92	---	56.83	15.91	L1	9.9
0.493275	---	24.24	46.11	21.87	L1	10.0
0.519394	36.76	---	56.00	19.24	L1	10.0
0.855206	---	17.65	46.00	28.35	L1	10.0
0.982069	31.17	---	56.00	24.83	L1	10.0
1.705931	---	17.20	46.00	28.80	L1	10.1

EUT Information

EUT Name: DJI Avata 2
Order Number: 168438670
Model: QF3W4K
Test Mode: 5.2G SDR
Test Voltage: AC 120V, 60Hz
Test Standard: FCC Part 15.207
Test By:/Review By: Eric Guo/ Gary Chen
Tem./Hum./Pressure: 25.0°C/51.2%/101kPa
Remark: SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.429844	---	25.09	47.26	22.16	N	9.8
0.437306	---	35.10	47.11	12.01	N	9.8
0.437306	43.79	---	57.11	13.33	N	9.8
0.467156	43.30	---	56.56	13.26	N	9.8
0.470888	---	34.04	46.50	12.46	N	9.8
0.500738	35.10	---	56.00	20.90	N	9.8
0.504469	---	24.72	46.00	21.28	N	9.8
0.534319	---	23.08	46.00	22.92	N	9.8
0.534319	32.83	---	56.00	23.17	N	9.8
1.310419	31.59	---	56.00	24.41	N	9.8
1.314150	---	19.95	46.00	26.05	N	9.8
4.340194	30.96	---	56.00	25.04	N	9.9