

BLE 2M Ant3 2440 0~Reference



BLE 2M Ant3 2440 30~1000



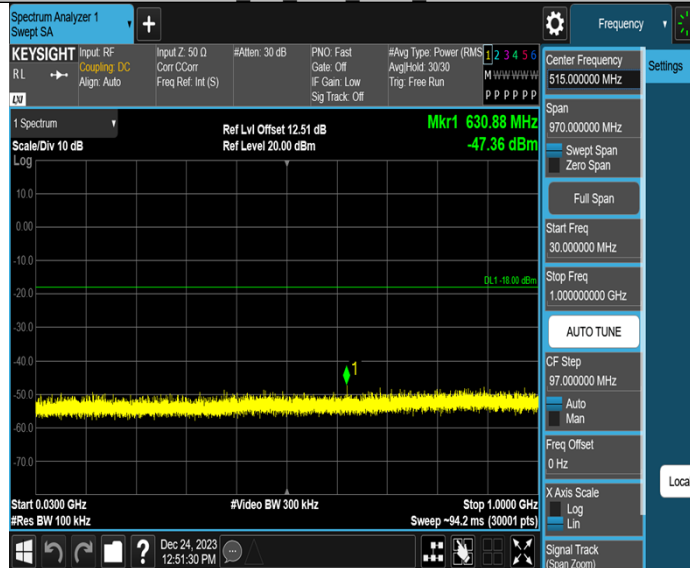
BLE 2M Ant3 2440 1000~26500



BLE 2M Ant3 2480 0~Reference



BLE 2M Ant3 2480 30~1000

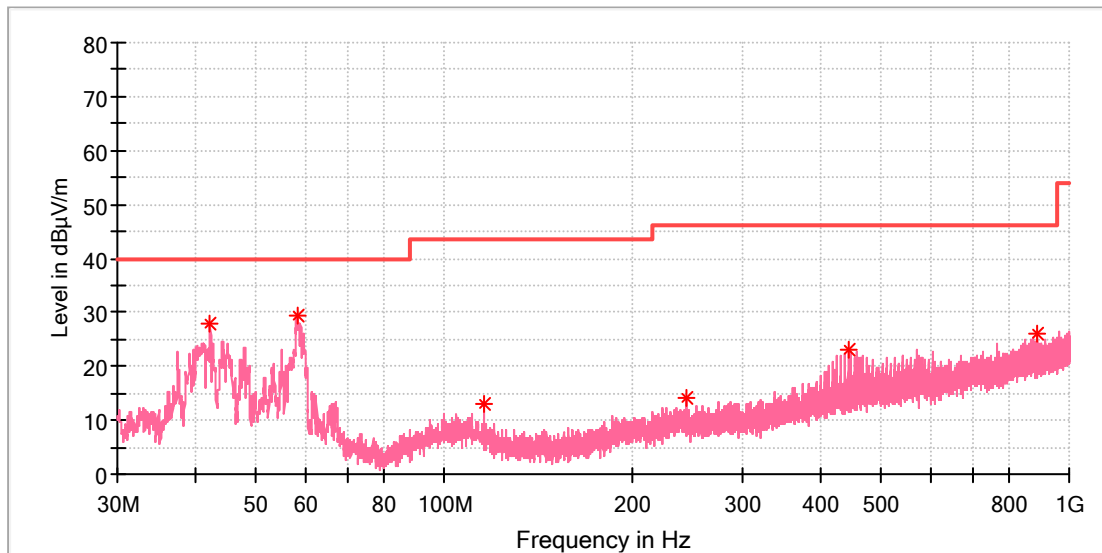


BLE 2M Ant3 2480 1000~26500



EUT Information

EUT Name: DJI Avata 2
 Model: QF3W4K
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168438670/A003598699-012
 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)
42.236923	27.84	40.00	12.16	100.0	V	41.0	-19.8
58.391154	29.25	40.00	10.75	100.0	V	264.0	-19.1
115.621154	12.84	43.50	30.66	100.0	V	142.0	-20.2
244.370000	14.27	46.00	31.73	100.0	V	358.0	-17.9
442.399231	23.14	46.00	22.86	100.0	V	33.0	-13.4
888.487308	26.22	46.00	19.78	100.0	V	174.0	-5.5

Final Result

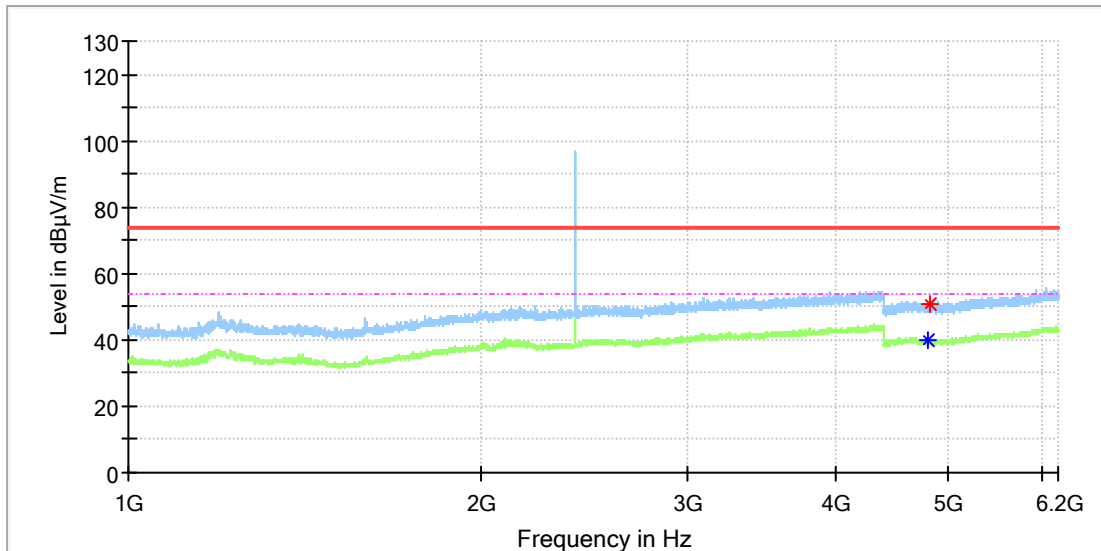
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1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	DJI Avata 2
Model:	QF3W4K
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168438670/A003598699-012
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

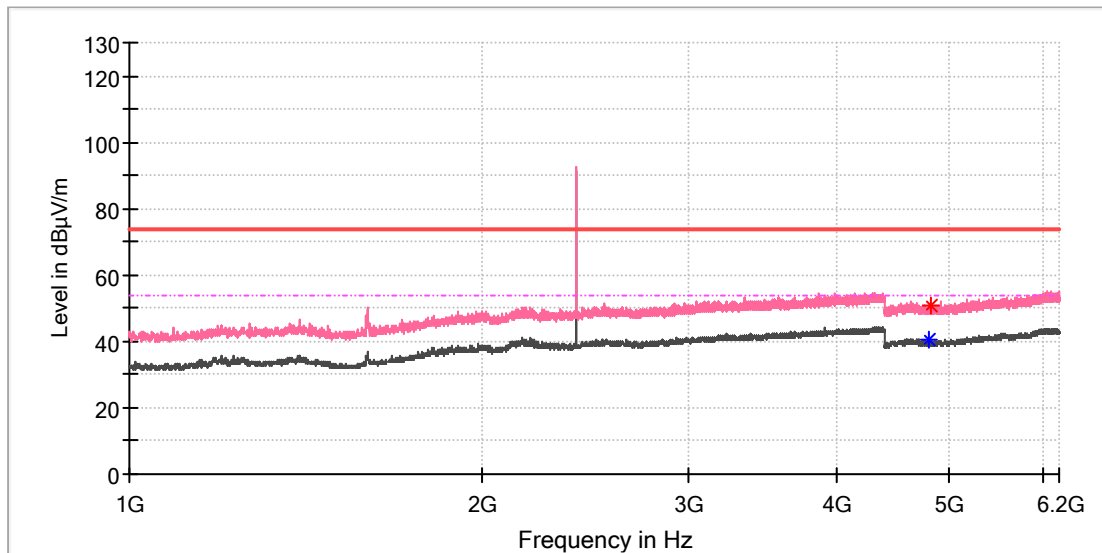
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4800.500000	---	40.17	54.00	13.83	150.0	H	314.0	11.8
4818.500000	50.91	---	74.00	23.09	150.0	H	289.0	11.8

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

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Critical Freqs

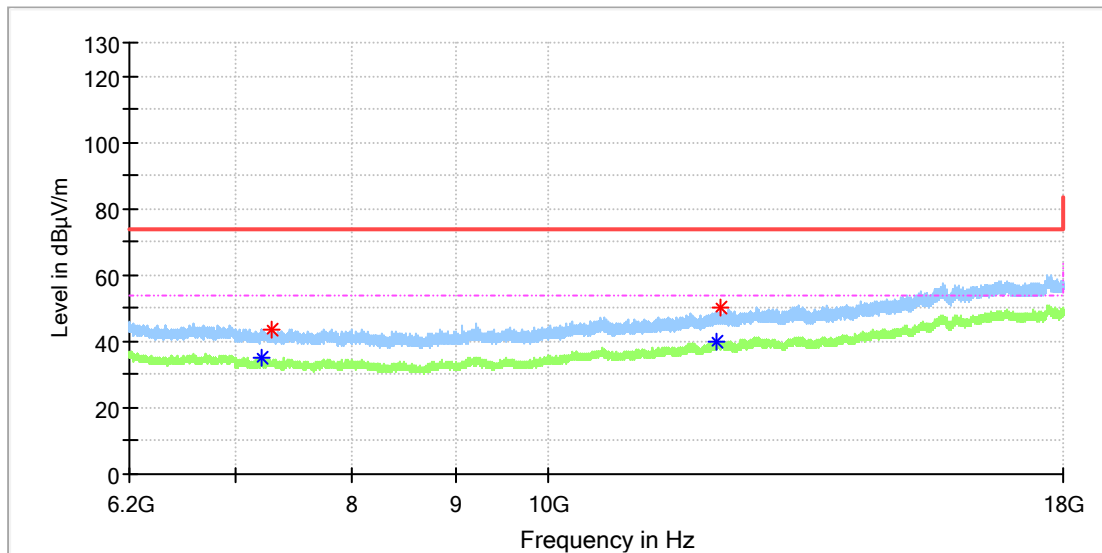
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4808.000000	---	40.49	54.00	13.51	150.0	V	266.0	11.8
4821.500000	50.57	---	74.00	23.43	150.0	V	298.0	11.8

Final Result

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

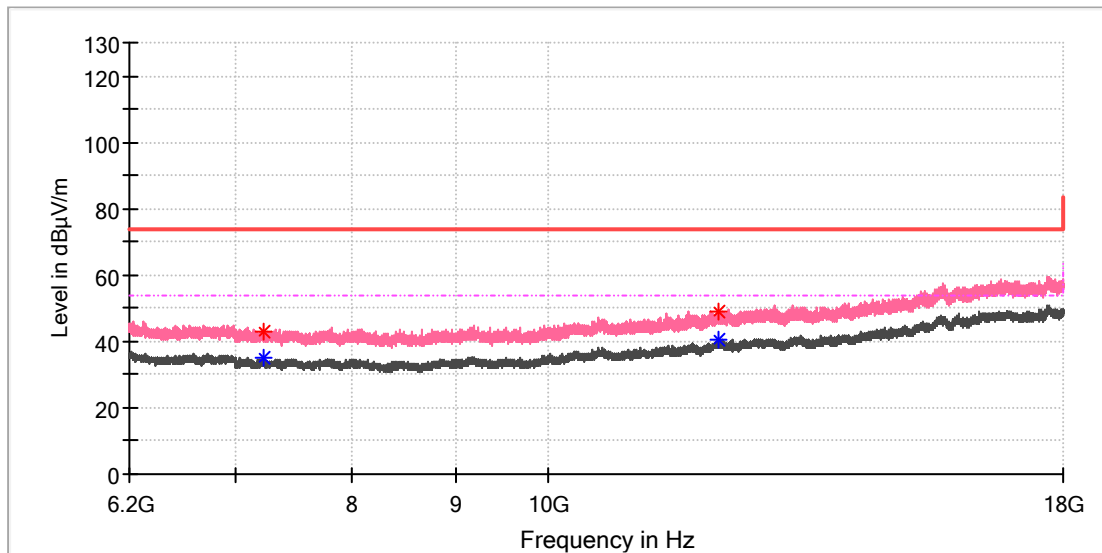
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7207.916667	---	35.03	54.00	18.97	150.0	H	292.0	8.8
7298.875000	43.81	---	74.00	30.19	150.0	H	194.0	8.3
12125.566667	---	40.14	54.00	13.86	150.0	H	244.0	14.3
12184.566667	49.96	---	74.00	24.04	150.0	H	292.0	14.6

Final Result

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

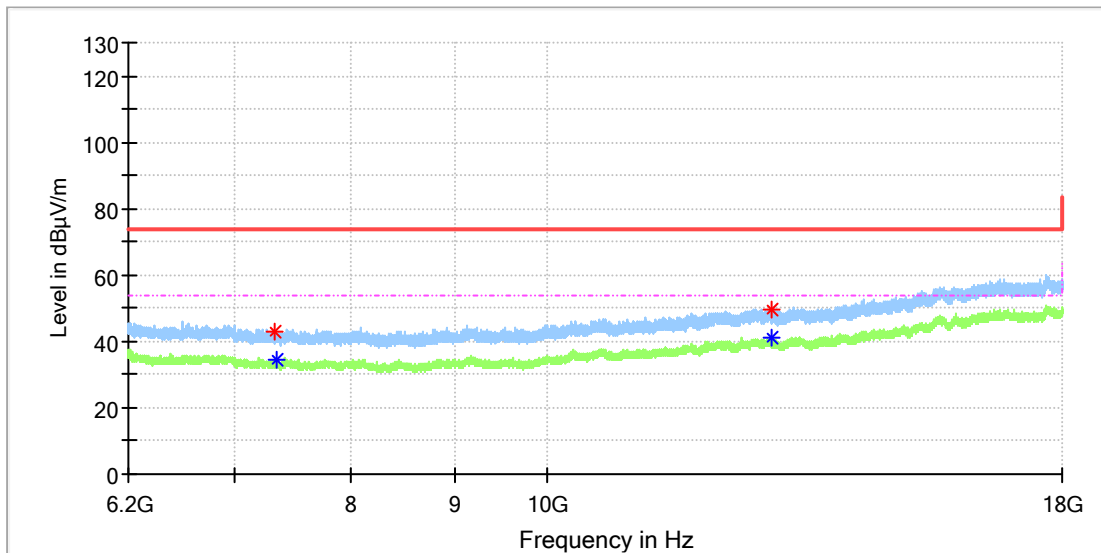
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7219.716667	---	34.78	54.00	19.22	150.0	V	68.0	8.7
7221.191667	42.93	---	74.00	31.07	150.0	V	118.0	8.7
12139.825000	49.16	---	74.00	24.84	150.0	V	326.0	14.4
12156.050000	---	40.26	54.00	13.74	150.0	V	234.0	14.4

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: DJI Avata 2
 Model: QF3W4K
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168438670/A003598699-012
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

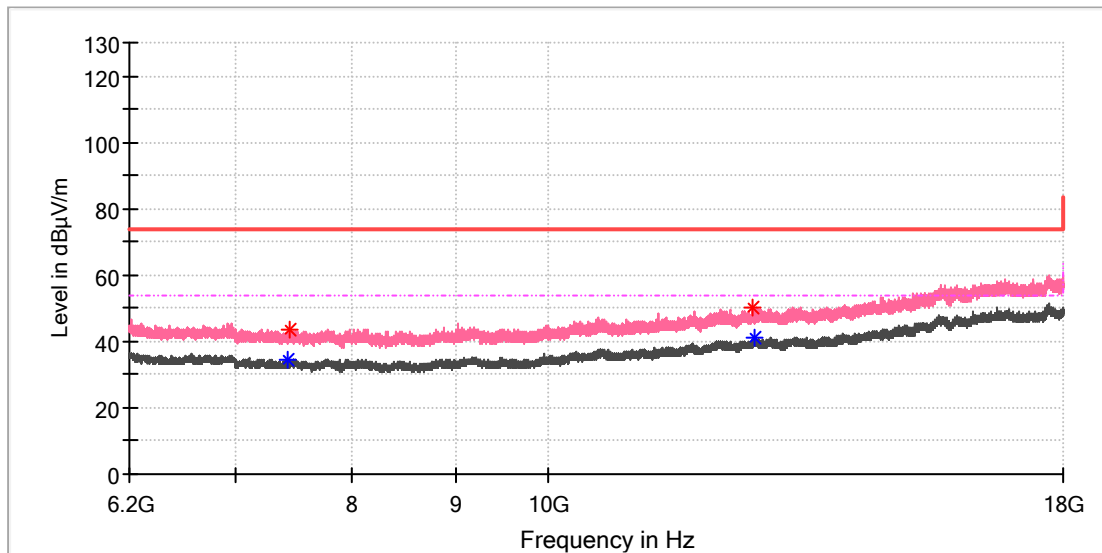
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7333.783333	43.02	---	74.00	30.98	150.0	H	300.0	8.1
7346.075000	---	34.59	54.00	19.41	150.0	H	60.0	8.1
12910.758333	49.55	---	74.00	24.45	150.0	H	213.0	15.5
12926.491667	---	40.91	54.00	13.09	150.0	H	47.0	15.6

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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 Order No/Sample No: 168438670/A003598699-012
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

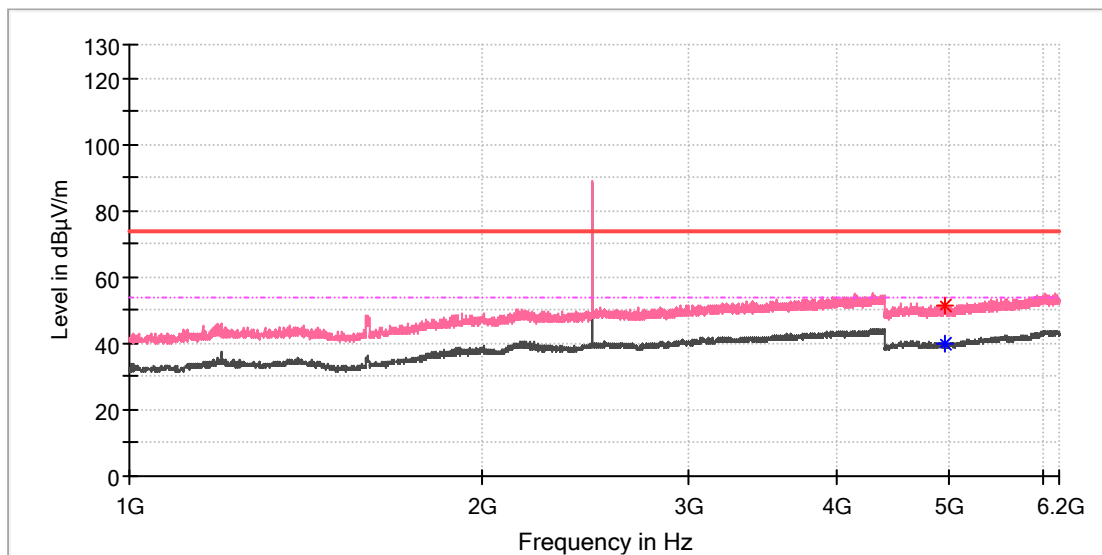
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7422.283333	---	34.49	54.00	19.51	150.0	V	73.0	8.4
7451.783333	43.24	---	74.00	30.76	150.0	V	335.0	8.5
12635.425000	50.11	---	74.00	23.89	150.0	V	335.0	15.0
12666.400000	---	40.92	54.00	13.08	150.0	V	73.0	15.1

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: DJI Avata 2
 Model: QF3W4K
 Test Mode: BLE 1M_High channel
 Order No/Sample No: 168438670/A003598699-012
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

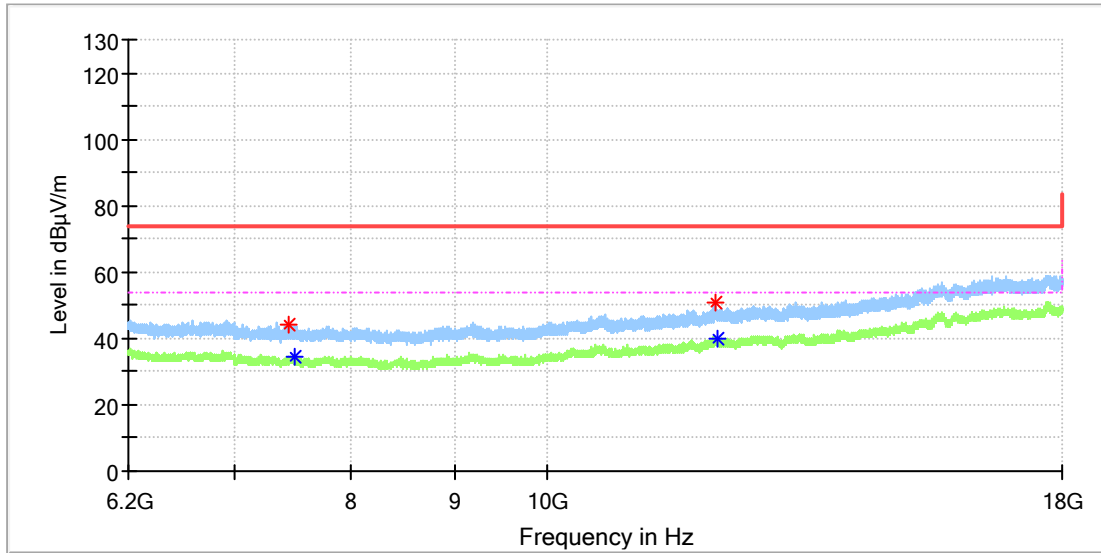
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4953.000000	51.63	---	74.00	22.37	150.0	V	44.0	11.8
4954.500000	---	40.06	54.00	13.94	150.0	V	88.0	11.8

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: DJI Avata 2
 Model: QF3W4K
 Test Mode: BLE 1M_High channel
 Order No/Sample No: 168438670/A003598699-012
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

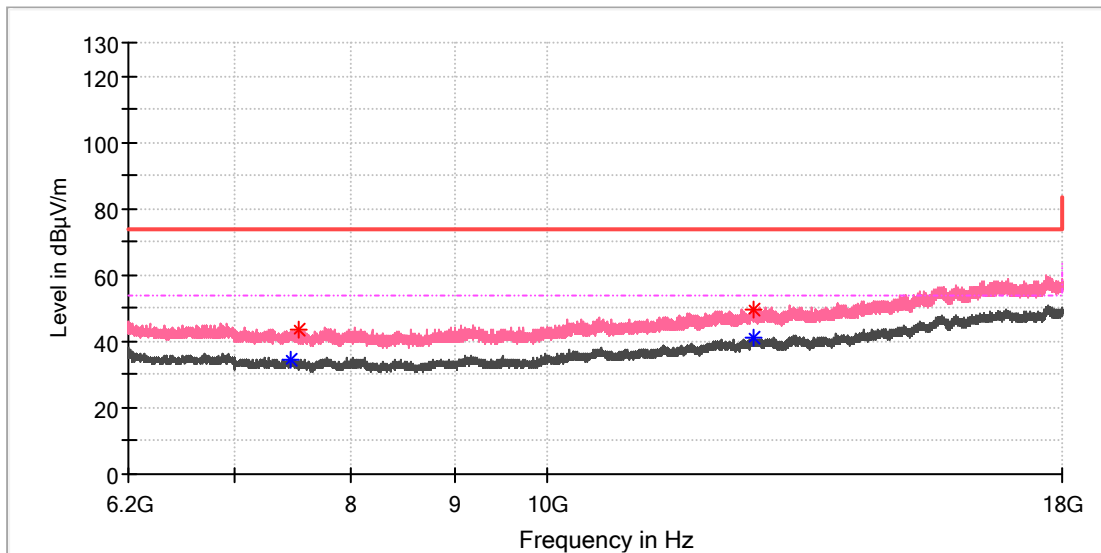
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7446.375000	44.19	---	74.00	29.81	150.0	H	331.0	8.5
7487.675000	---	34.76	54.00	19.24	150.0	H	270.0	8.7
12104.916667	50.60	---	74.00	23.40	150.0	H	245.0	14.2
12153.100000	---	40.15	54.00	13.85	150.0	H	56.0	14.4

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: DJI Avata 2
 Model: QF3W4K
 Test Mode: BLE 1M_High channel
 Order No/Sample No: 168438670/A003598699-012
 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)
7465.058333	---	34.57	54.00	19.43	150.0	V	158.0	8.6
7525.041667	43.33	---	74.00	30.67	150.0	V	111.0	8.7
12657.550000	49.86	---	74.00	24.14	150.0	V	111.0	15.0
12664.925000	---	40.88	54.00	13.12	150.0	V	169.0	15.0

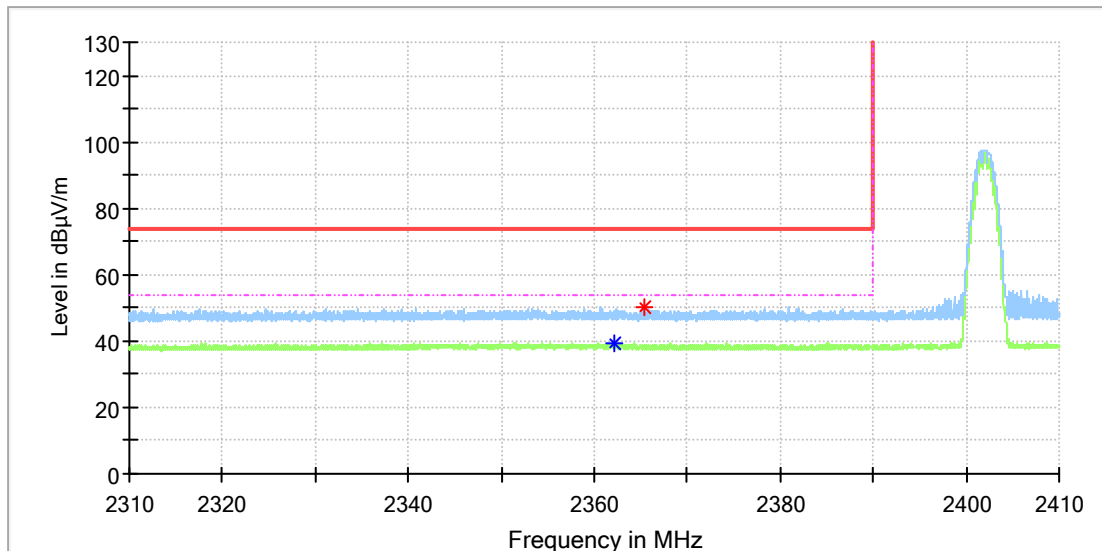
Final Result

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

EUT Information

EUT Name:	DJI Avata 2
Model:	QF3W4K
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168438670/A003598699-012
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)
2362.161765	---	39.25	54.00	14.75	150.0	H	5.0	6.9
2365.441177	50.39	---	74.00	23.61	150.0	H	39.0	6.9

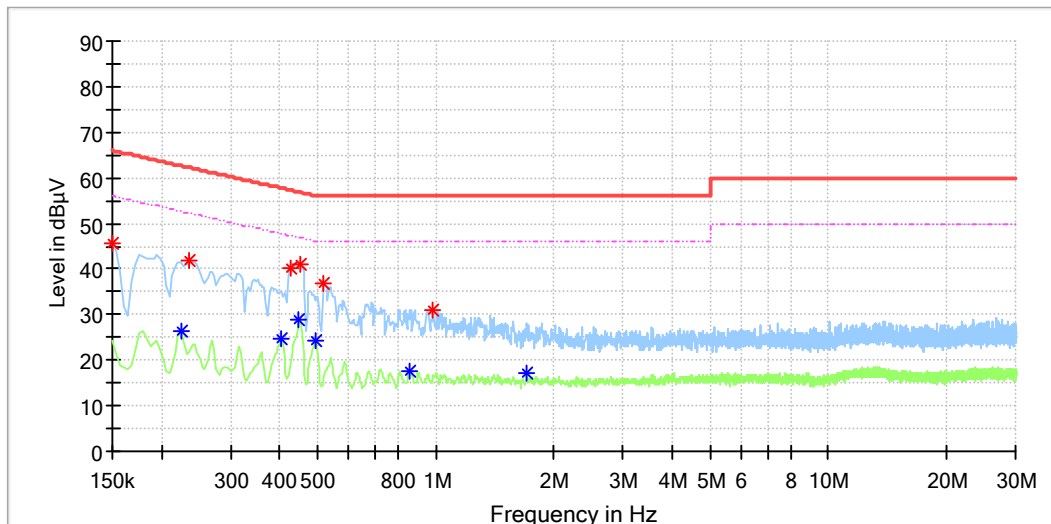
Final Result

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:	BT
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

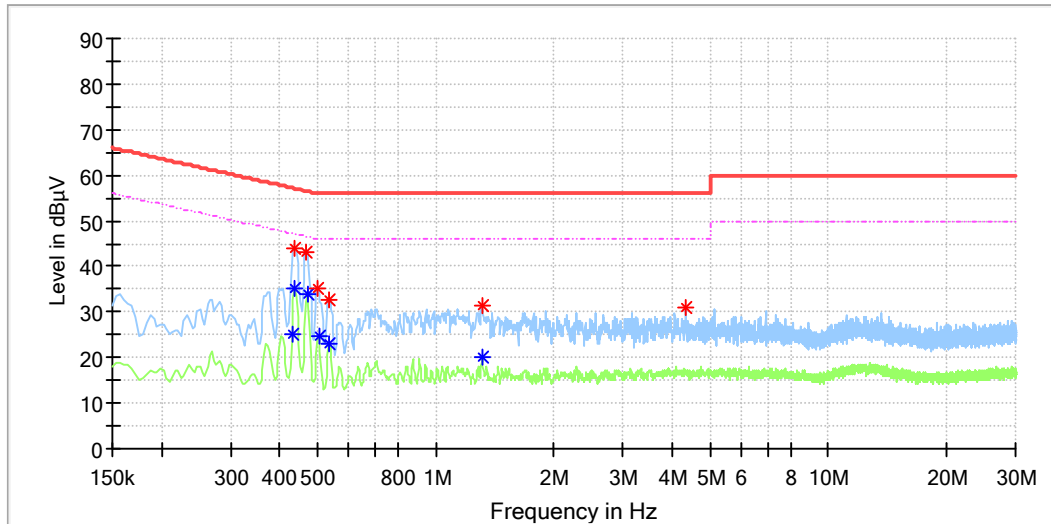


Critical Freqs

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: BT
 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