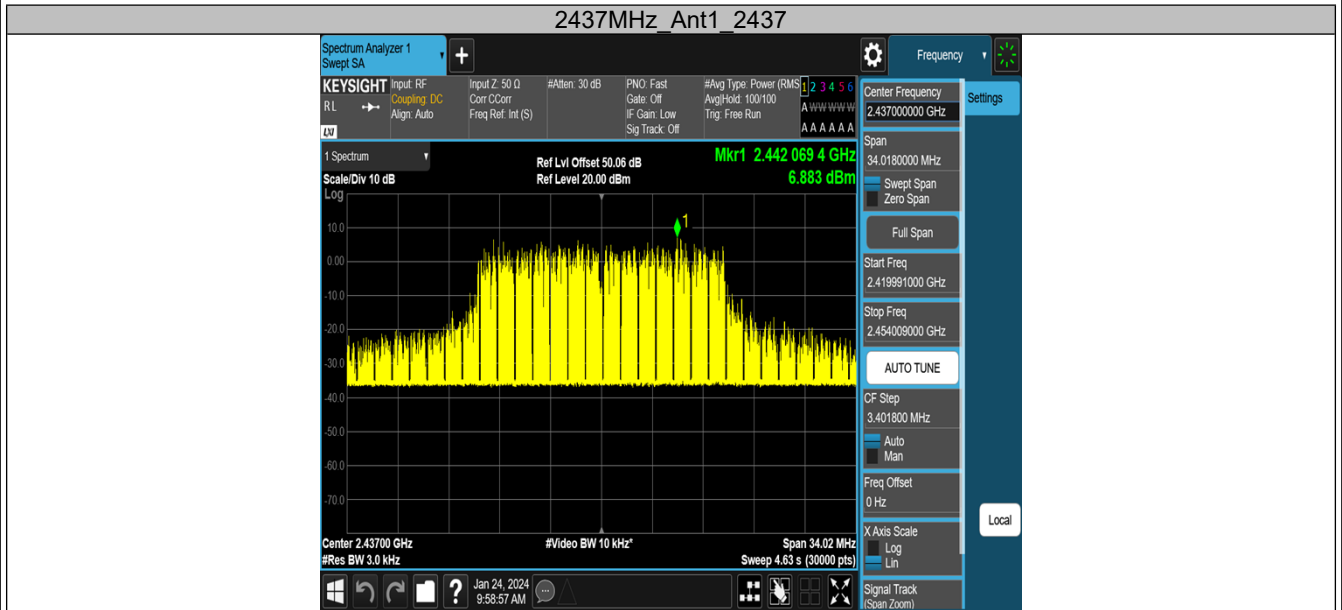


## Appendix C: Test Results of 2437MHz (Wi-Fi 802.11g)

<b>APPENDIX C: TEST RESULTS OF 2437MHZ</b> .....	<b>1</b>
<b>APPENDIX C.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY</b> .....	<b>2</b>
<b>APPENDIX C.2: TEST RESULTS OF 6DB BANDWIDTH</b> .....	<b>3</b>
<b>APPENDIX C.3: TEST RESULTS OF 99% BANDWIDTH</b> .....	<b>4</b>
<b>APPENDIX C.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH</b> .....	<b>5</b>
<i>Band Edge</i> .....	<b>5</b>
<i>Conducted Spurious Emission</i> .....	<b>6</b>
<b>APPENDIX C.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS</b> .....	<b>8</b>
<i>30 MHz - 1GHz</i> .....	<b>8</b>
<i>1GHz - 18GHz</i> .....	<b>10</b>
<b>APPENDIX C.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS</b> .....	<b>14</b>

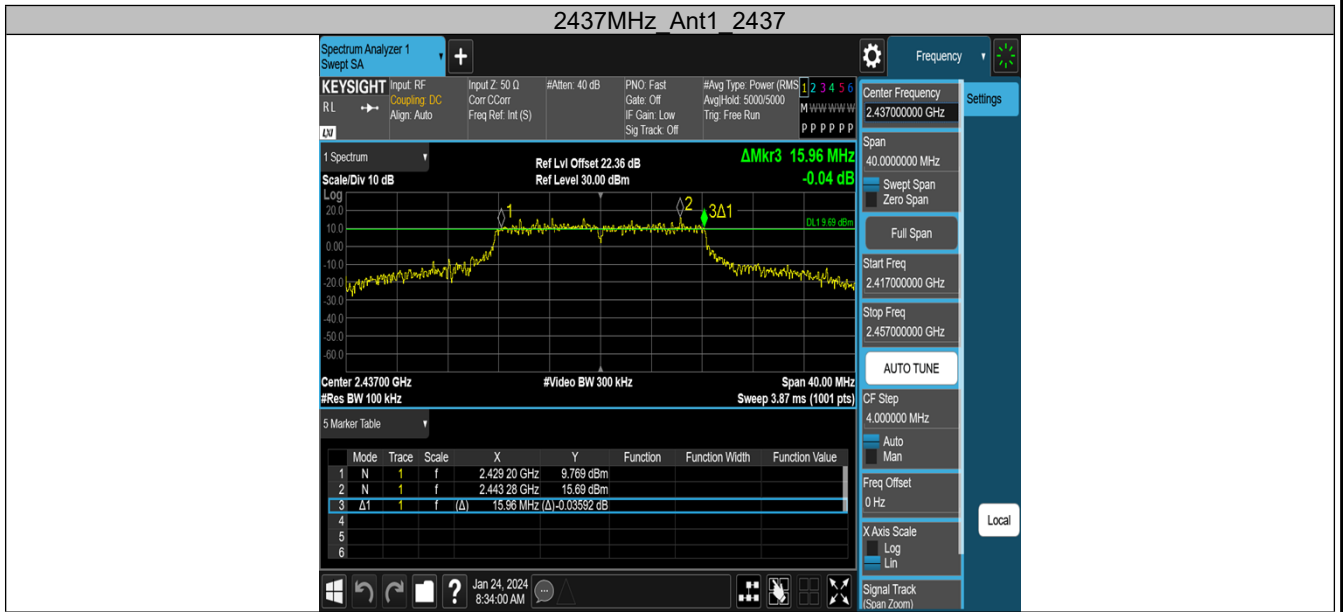
### Appendix C.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
2437MHz	Ant1	2437	6.88	≤8.00	PASS



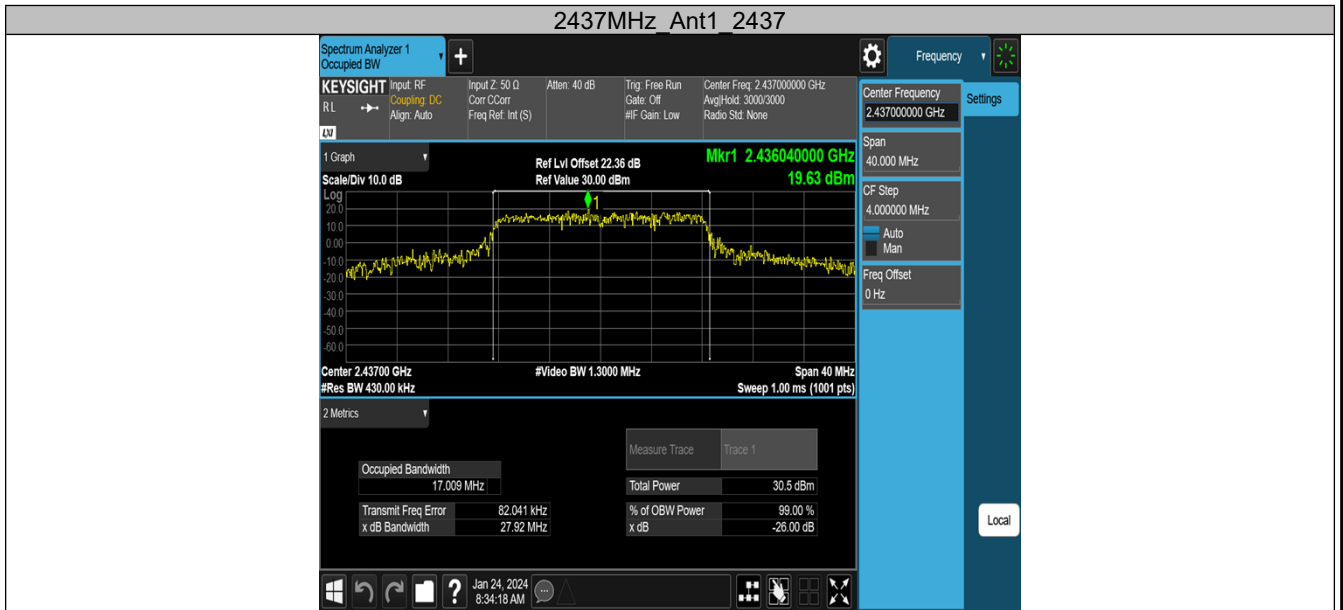
### Appendix C.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2437MHz	Ant1	2437	15.960	2429.200	2445.160	0.5	PASS



### Appendix C.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2437MHz	Ant1	2437	17.009	2428.5775	2445.5865	---	PASS



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

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2437MHz	Ant1	Low	2437	16.11	-37.77	≤-13.89	PASS
		High	2437	16.53	-37.45	≤-13.47	PASS

2437MHz\_Ant1\_Low\_2437



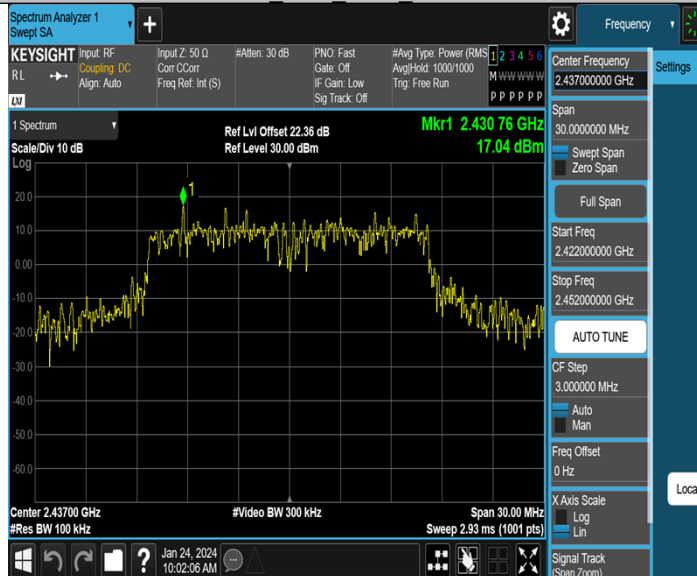
2437MHz\_Ant1\_High\_2437



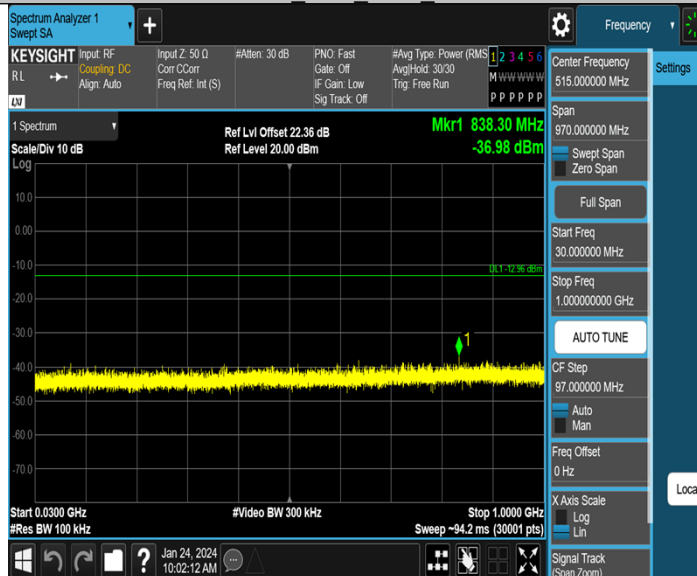
Conducted Spurious Emission

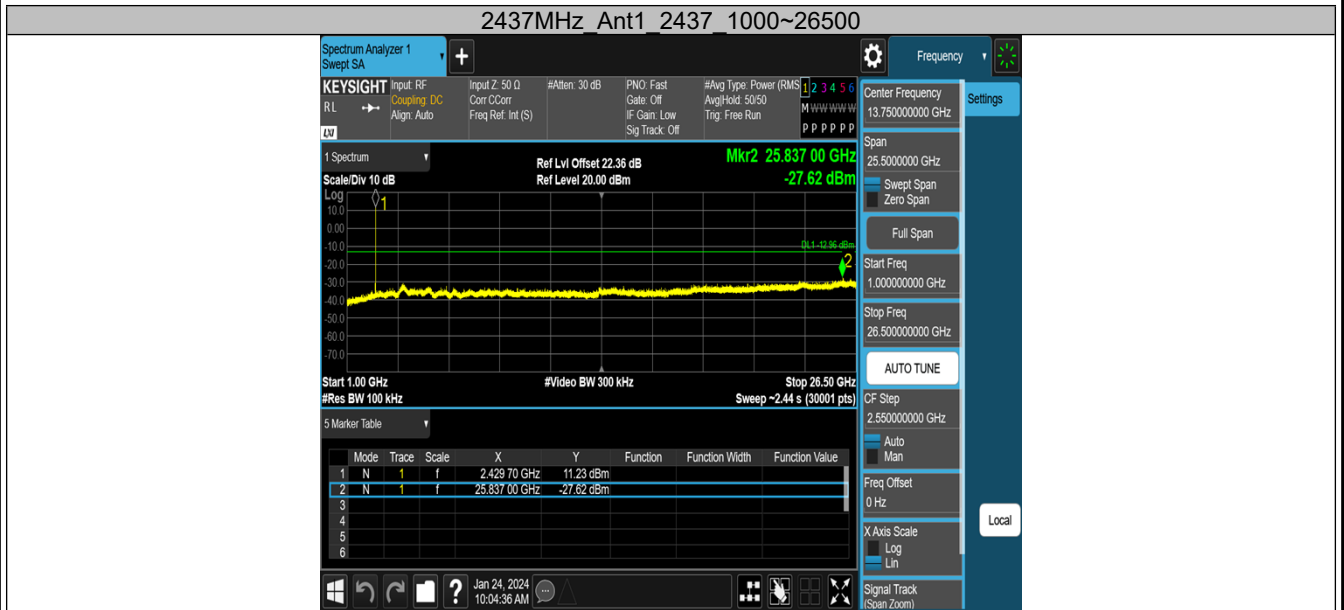
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2437MHz	Ant1	2437	Reference	17.04	17.04	---	PASS
			30~1000	17.04	-36.98	≤-12.96	PASS
			1000~26500	17.04	-27.62	≤-12.96	PASS

2437MHz Ant1 2437 0~Reference



2437MHz Ant1 2437 30~1000





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

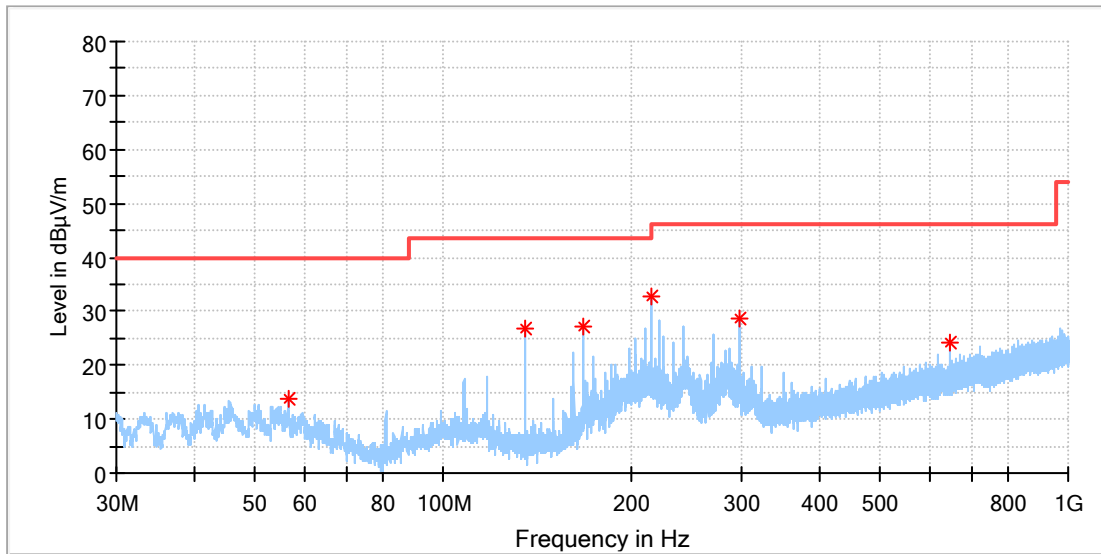
Note:

- 1) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30 MHz - 1GHz

### EUT Information

EUT Name:	DJI Matrice 3TD
Model:	M3TD
Test Mode:	WIFI_2437MHz
Order No/Sample No:	168435965/A003601954-017
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
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)
56.488462	13.63	40.00	26.37	100.0	H	249.0	-18.9
134.983846	26.76	43.50	16.74	100.0	H	239.0	-22.4
168.001154	27.27	43.50	16.23	100.0	H	122.0	-21.7
216.016154	32.59	46.00	13.41	100.0	H	0.0	-19.0
297.011154	28.57	46.00	17.43	100.0	H	290.0	-16.7
648.001923	24.00	46.00	22.00	100.0	H	198.0	-9.4

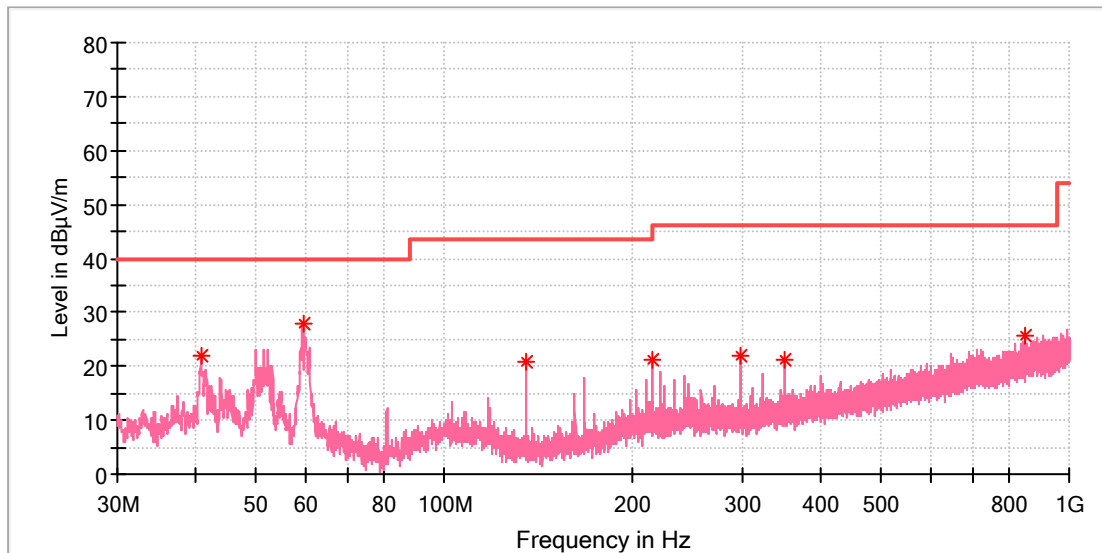
### Final Result

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



### EUT Information

EUT Name: DJI Matrice 3TD  
 Model: M3TD  
 Test Mode: WIFI\_2437MHz  
 Order No/Sample No: 168435965/A003601954-017  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 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)
40.893846	22.05	40.00	17.95	100.0	V	150.0	-20.2
59.398462	27.79	40.00	12.21	100.0	V	256.0	-19.2
134.983846	20.96	43.50	22.54	100.0	V	320.0	-22.4
216.016154	21.22	46.00	24.78	100.0	V	274.0	-19.0
297.011154	21.77	46.00	24.23	100.0	V	320.0	-16.7
350.995385	21.09	46.00	24.91	100.0	V	25.0	-15.2
851.328846	25.49	46.00	20.51	100.0	V	159.0	-5.9

### Final Result

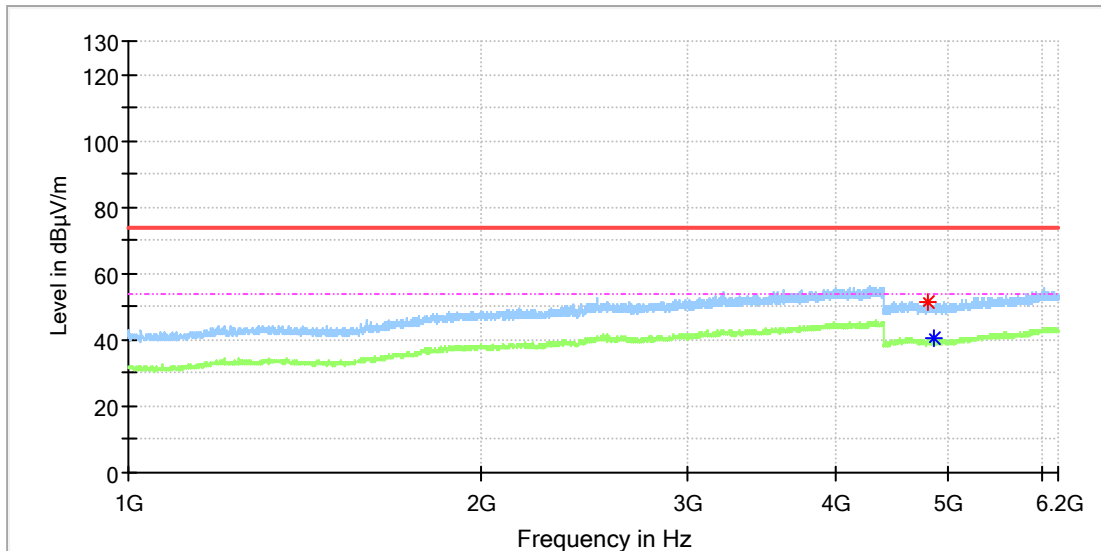
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

### EUT Information

EUT Name:	DJI Matrice 3TD
Model:	M3TD
Test Mode:	WIFI_2437MHz
Order No/Sample No:	168435965/A003601954-017
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



### Critical Freqs

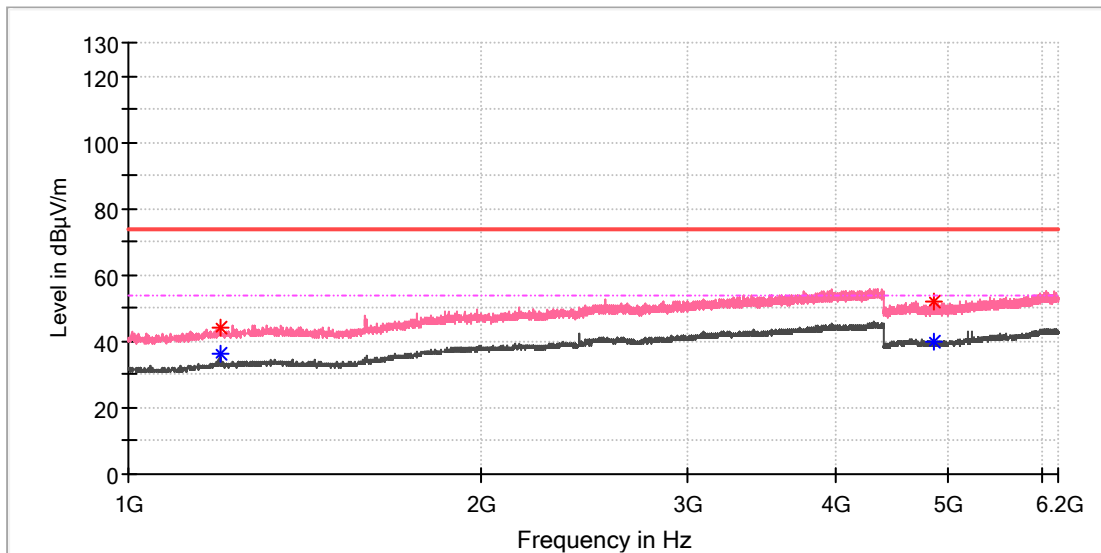
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.500000	51.35	---	74.00	22.65	150.0	H	111.0	11.8
4854.500000	---	40.62	54.00	13.38	150.0	H	188.0	11.8

### Final Result

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

### EUT Information

EUT Name: DJI Matrice 3TD  
 Model: M3TD  
 Test Mode: WIFI\_2437MHz  
 Order No/Sample No: 168435965/A003601954-017  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

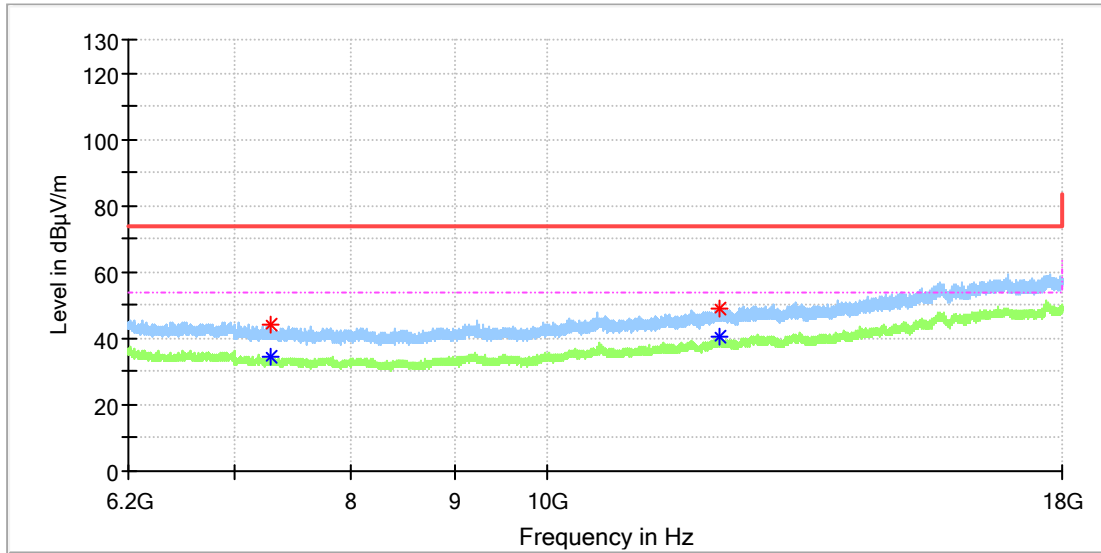
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1196.000000	---	36.19	54.00	17.81	150.0	V	261.0	1.7
1200.000000	44.27	---	74.00	29.73	150.0	V	344.0	1.7
4852.500000	---	39.70	54.00	14.30	150.0	V	98.0	11.8
4864.000000	52.00	---	74.00	22.00	150.0	V	74.0	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: DJI Matrice 3TD  
 Model: M3TD  
 Test Mode: WIFI\_2437MHz  
 Order No/Sample No: 168435965/A003601954-017  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



### Critical Freqs

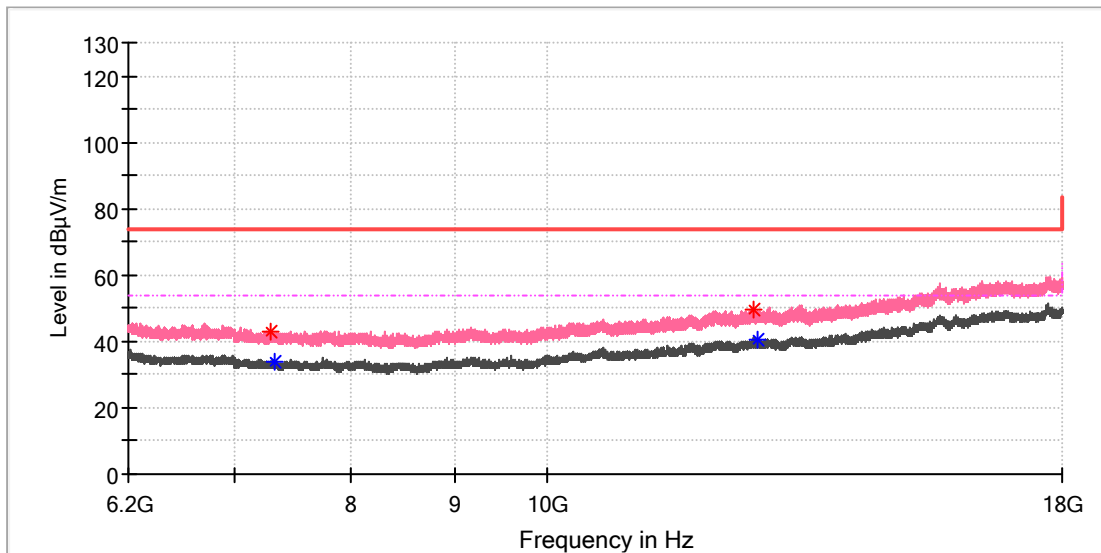
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7287.566667	44.05	---	74.00	29.95	150.0	H	296.0	8.4
7301.333333	---	34.18	54.00	19.82	150.0	H	296.0	8.3
12177.683333	48.99	---	74.00	25.01	150.0	H	272.0	14.6
12179.650000	---	40.29	54.00	13.71	150.0	H	210.0	14.6

### 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 Matrice 3TD  
 Model: M3TD  
 Test Mode: WIFI\_2437MHz  
 Order No/Sample No: 168435965/A003601954-017  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:56%  
 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)
7296.908333	42.92	---	74.00	31.08	150.0	V	80.0	8.3
7321.000000	---	34.12	54.00	19.88	150.0	V	0.0	8.2
12661.483333	49.74	---	74.00	24.26	150.0	V	326.0	15.0
12709.666667	---	40.78	54.00	13.22	150.0	V	252.0	15.1

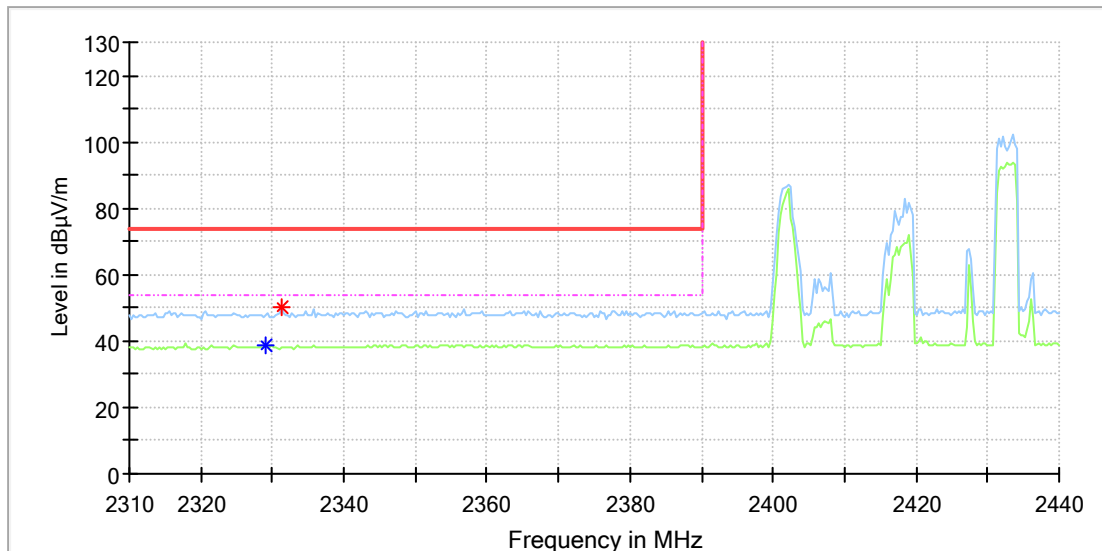
### Final Result

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

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

#### EUT Information

EUT Name:	DJI Matrice 3TD
Model:	M3TD
Test Mode:	WIFI_2437MHz
Order No/Sample No:	168435965/A003601954-017
Test Voltage:	Battery
Remark:	Temp 23 Humi:56%
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)
2329.117647	---	38.72	54.00	15.28	150.0	H	128.0	6.7
2331.176471	49.91	---	74.00	24.09	150.0	H	56.0	6.7

#### Final Result

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







