

Appendix B: Test Results of 5.8GHz Wi-Fi

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

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5745	0.84	≤30.00	PASS
		5785	0.83	≤30.00	PASS
		5825	0.66	≤30.00	PASS
11N20SISO	Ant1	5745	1.12	≤30.00	PASS
		5785	0.21	≤30.00	PASS
		5825	1.10	≤30.00	PASS
11N40SISO	Ant1	5755	-2.40	≤30.00	PASS
		5795	-1.78	≤30.00	PASS
11AC20SISO	Ant1	5745	0.58	≤30.00	PASS
		5785	0.17	≤30.00	PASS
		5825	0.26	≤30.00	PASS
11AC40SISO	Ant1	5755	-2.67	≤30.00	PASS
		5795	-2.04	≤30.00	PASS
11AC80SISO	Ant1	5775	-6.47	≤30.00	PASS

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input RF: **Coupling DC** Input Z: 50 Ω Corr: Corr #atten: 30 dB PKO: Fast Gate: Off IF Gain: Low Sig Track: Off Avg Type: Power (RMS) **7 3 4 5 0** Avg Hold: 100/100 Tag: Free Run AAAAAA AAAAAA

Center Frequency: **5.745000000 GHz**

Span: **40.00000000 MHz**
Sweep Span: **Zero Span**
Full Span

Start Freq: **5.725000000 GHz**
Stop Freq: **5.765000000 GHz**
AUTO TUNE

CF Step: **4.000000 MHz**
Auto
Man

Freq Offset: **0 Hz**

X Axis Scale: **Log**
Lin

Signal Track: **None/Zero**

1 Spectrum
Scale/Div 10 dB
Log

Ref Lvl Offset 21.25 dB
Ref Level 20.00 dBm

Mkr1 5.742 68 GHz
0.836 dBm

Center 5.74500 GHz
#Res BW 510 kHz

#Video BW 1.5 MHz

Span 40.00 MHz
Sweep 1.00 ms (1001 pts)

Nov 29, 2023
3:09:52 PM

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF
RL $\rightarrow$ Coupling: DC
Align: Auto

Input Z: 50 Ω
Corr: DCorr
Freq Ref: Int (S)

#Atten: 30 dB
PKO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

#Avg Type: Power (RHS)
Avg Hold: 100/100
Tag: Free Run

Center Frequency: 5.785000000 GHz
Span: 40.00000000 MHz
Sweep Span: Zero Span
Full Span
Start Freq: 5.785000000 GHz
Stop Freq: 5.805000000 GHz
AUTO TUNE
CF Step: 4.000000 MHz
Auto Man
Freq Offset: 0 Hz
X Axis Scale: Log Lin
Signal Track: (Span/Zoom)

1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 21.44 dB
Ref Level 20.00 dBm
Mkr1 5.781 12 GHz
0.834 dBm

Center 5.78500 GHz
#Res BW 510 kHz
#Video BW 1.5 MHz*
Span 40.00 MHz
Sweep 1.00 ms (1001 pts)

The screenshot displays the Keysight Spectrum Analyzer interface. The main display shows a signal trace with a peak at 5.828 GHz. The peak is labeled with its frequency, power, and level.

Peak Data:

- Frequency: 5.828 GHz
- Power: 40 Hz
- Level: 0.664 dBm

Instrument Settings:

- Center Frequency: 5.825000 GHz
- Span: 40.000 MHz
- Resolution Bandwidth (RBW): 1.5 MHz
- Video Bandwidth (VBW): 510 kHz
- Scale/Div: 10 dB
- Ref Level: 20.00 dBm
- Ref Lvl Offset: 21.26 dB

Control Panel (Right Side):

- Center Frequency:** 5.825000000 GHz
- Span:** 40.00000000 MHz
- Start Freq:** 5.806000000 GHz
- Stop Freq:** 5.845000000 GHz
- AUTO TUNE** button
- CF Step:** 4.000000 MHz
- Freq Offset:** 0 Hz
- X Axis Scale:** Log
- Signal Track:** (None/Zero)

Bottom Bar:

- Windows taskbar shows the date: Nov 29, 2023, 3:17:20 PM.
- System tray icons include network, volume, and battery status.

11N20SISO Ant1 5745



11N20SISO Ant1 5785



11N20SISO Ant1 5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix B.2: Test Results of Frequency Stability

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant1	5745	NV	NT	-6000.00	-1.044386	20	PASS
		5785	NV	NT	-6000.00	-1.037165	20	PASS
		5825	NV	NT	-6000.00	-1.030043	20	PASS
11AC40SISO	Ant1	5755	NV	NT	-6000.00	-1.042572	20	PASS
		5795	NV	NT	-6000.00	-1.035375	20	PASS
11AC80SISO	Ant1	5775	NV	NT	-6000.00	-1.038961	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant1	5745	NV	0	-6000.00	-1.044386	20	PASS
			NV	40	-6000.00	-1.044386	20	PASS
		5785	NV	0	-6000.00	-1.037165	20	PASS
			NV	40	-6000.00	-1.037165	20	PASS
		5825	NV	0	-6000.00	-1.030043	20	PASS
			NV	40	-6000.00	-1.030043	20	PASS
11AC40SISO	Ant1	5755	NV	0	-6000.00	-1.042572	20	PASS
			NV	40	-6000.00	-1.042572	20	PASS
		5795	NV	0	-6000.00	-1.035375	20	PASS
			NV	40	-6000.00	-1.035375	20	PASS
11AC80SISO	Ant1	5775	NV	0	-6000.00	-1.038961	20	PASS
			NV	40	-6000.00	-1.038961	20	PASS

Appendix B.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	17.163	5736.4552	5753.6182	---	PASS
		5785	17.194	5776.4300	5793.6240	---	PASS
		5825	17.115	5816.5122	5833.6272	---	PASS
11N20SISO	Ant1	5745	18.025	5736.0003	5754.0253	---	PASS
		5785	18.024	5776.0375	5794.0615	---	PASS
		5825	18.049	5816.0445	5834.0935	---	PASS
11N40SISO	Ant1	5755	36.285	5736.9063	5773.1913	---	PASS
		5795	36.310	5776.8661	5813.1761	---	PASS
11AC20SISO	Ant1	5745	18.046	5735.9923	5754.0383	---	PASS
		5785	17.985	5776.0320	5794.0170	---	PASS
		5825	17.989	5816.0287	5834.0177	---	PASS
11AC40SISO	Ant1	5755	36.282	5736.8846	5773.1666	---	PASS
		5795	36.323	5776.8877	5813.2107	---	PASS
11AC80SISO	Ant1	5775	76.025	5737.0821	5813.1071	---	PASS

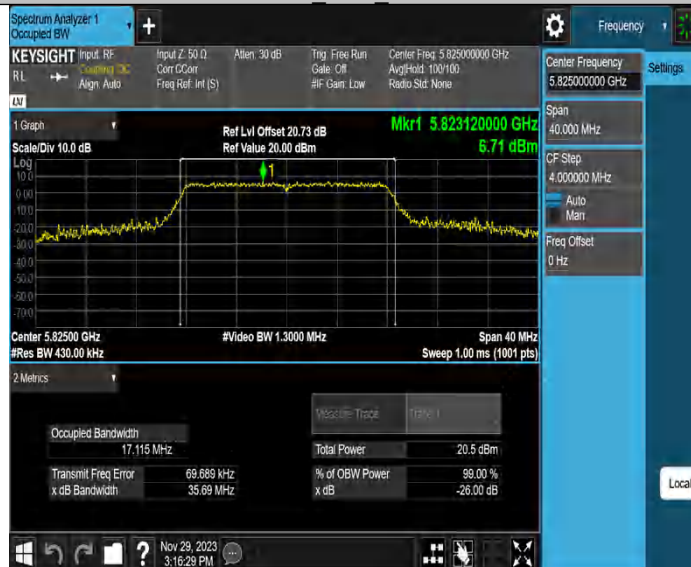
11A_Ant1_5745



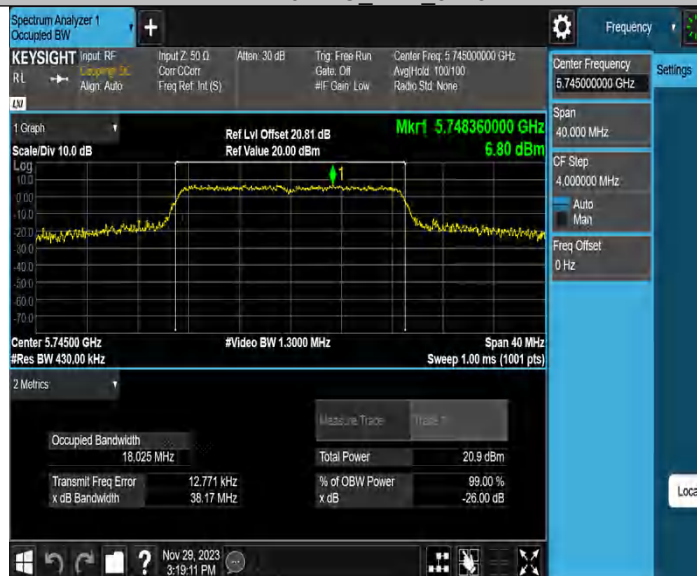
11A_Ant1_5785



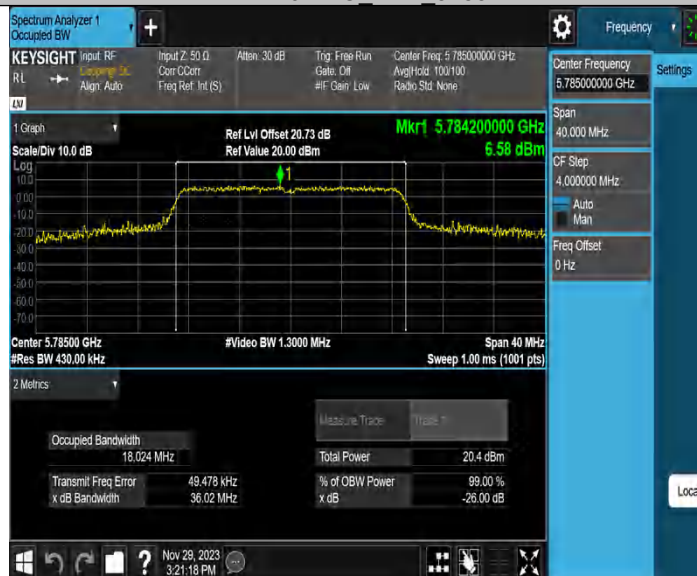
11A_Ant1_5825



11N20SISO Ant1 5745



11N20SISO Ant1 5785



11N20SISO Ant1 5825



11N40SISO_Ant1_5755



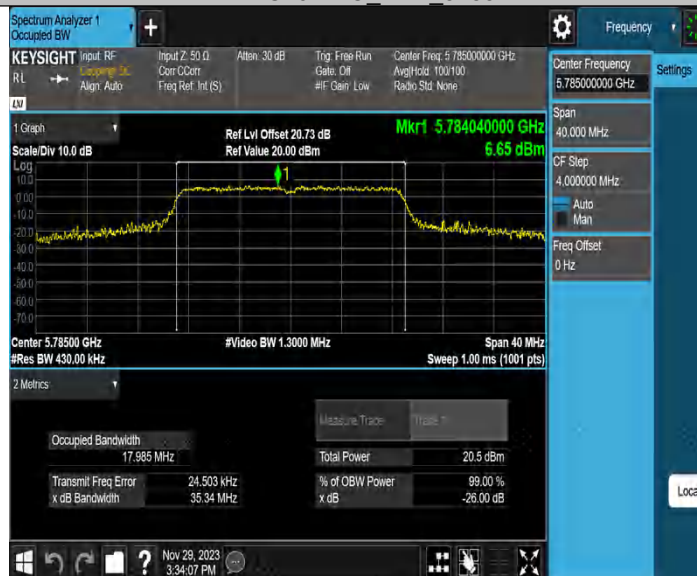
11N40SISO_Ant1_5795



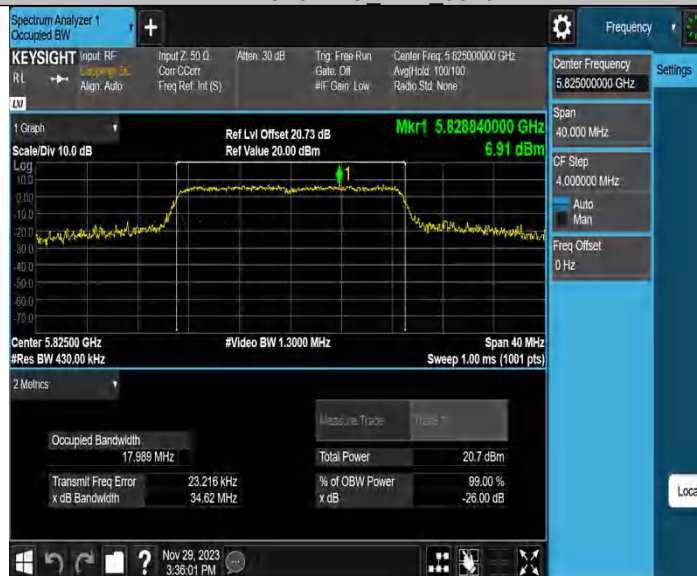
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755





Appendix B.4: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	6db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5745	16.400	5736.800	5753.200	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.520	5736.240	5753.760	0.5	PASS
		5785	17.520	5776.240	5793.760	0.5	PASS
		5825	17.520	5816.240	5833.760	0.5	PASS
11N40SISO	Ant1	5755	35.840	5737.080	5772.920	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	17.520	5736.240	5753.760	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.560	5816.240	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	35.840	5737.080	5772.920	0.5	PASS
		5795	35.600	5777.160	5812.760	0.5	PASS
11AC80SISO	Ant1	5775	75.360	5737.240	5812.600	0.5	PASS

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO Ant1 5745



11N20SISO Ant1 5785



11N20SISO Ant1 5825





11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix B.5: Test Results of Radiated Spurious Emissions

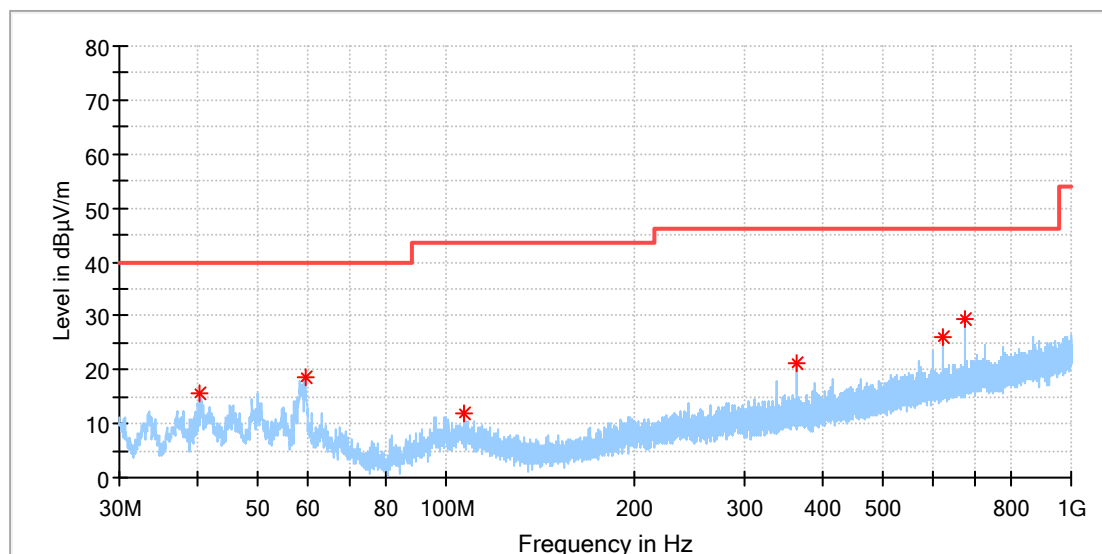
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) 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 Goggles 3
Model:	TKGS3
Test Mode:	WIFI 5G_11a_Ch40
Order No/Sample No:	168438695/A003598699-029
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

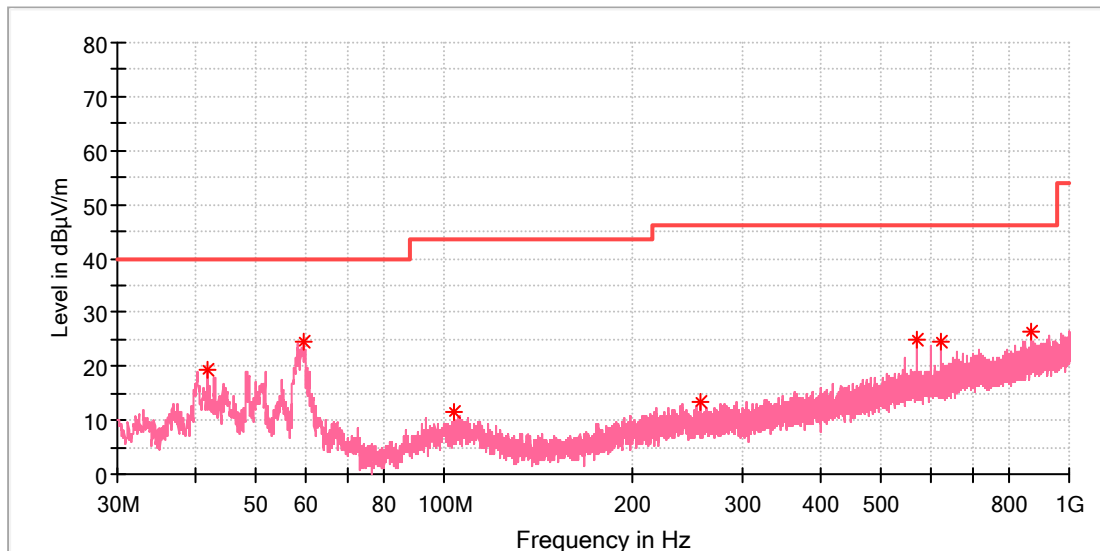
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
40.408846	15.66	40.00	24.34	100.0	H	103.0	-20.3
59.398462	18.66	40.00	21.34	100.0	H	263.0	-19.2
106.853846	11.74	43.50	31.76	100.0	H	0.0	-19.2
364.015769	21.25	46.00	24.75	100.0	H	189.0	-14.9
624.013077	26.11	46.00	19.89	100.0	H	172.0	-9.8
676.020000	29.36	46.00	16.64	100.0	H	216.0	-8.8

Final Result

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

EUT Information

EUT Name: DJI Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11a_Ch40
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
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)
41.751923	19.53	40.00	20.47	100.0	V	7.0	-19.9
59.585000	24.62	40.00	15.38	100.0	V	53.0	-19.2
103.869231	11.48	43.50	32.02	100.0	V	95.0	-19.1
257.203846	13.21	46.00	32.79	100.0	V	284.0	-17.5
572.006154	24.83	46.00	21.17	100.0	V	207.0	-10.7
624.013077	24.38	46.00	21.62	100.0	V	266.0	-9.8
871.027308	26.47	46.00	19.53	100.0	V	249.0	-5.7

Final Result

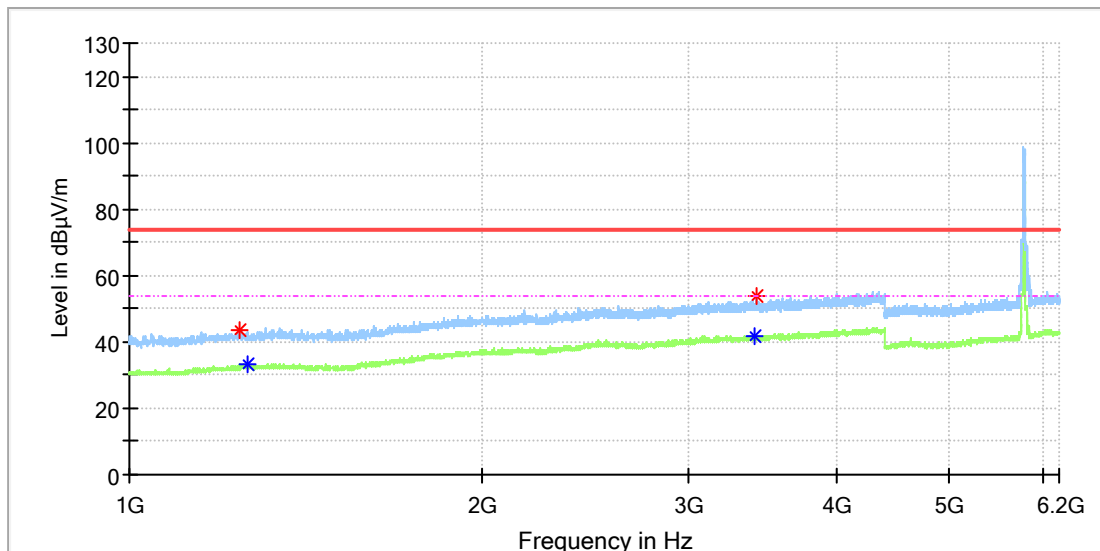
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz

Note: The highest waveform in the figure is 5GHz Wi-Fi Fundamental.

EUT Information

EUT Name:	DJI Goggles 3
Model:	TKGS3
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168438695/A003598699-029
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

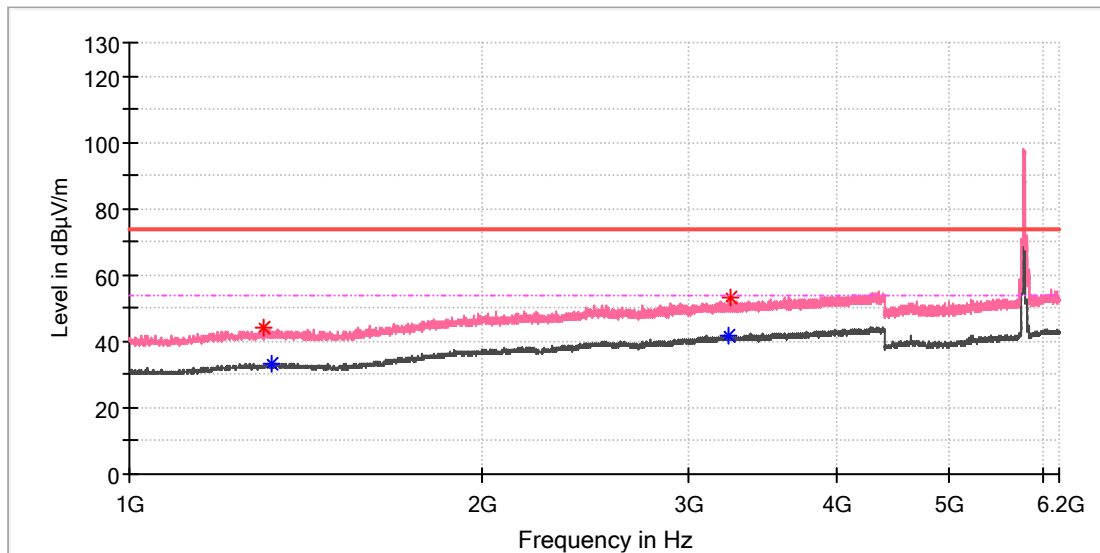
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1243.500000	43.58	---	74.00	30.42	150.0	H	328.0	1.8
1260.500000	---	33.13	54.00	20.87	150.0	H	321.0	1.9
3417.000000	---	42.00	54.00	12.00	150.0	H	209.0	8.7
3428.500000	53.59	---	74.00	20.41	150.0	H	252.0	8.8

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11a_Ch157
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

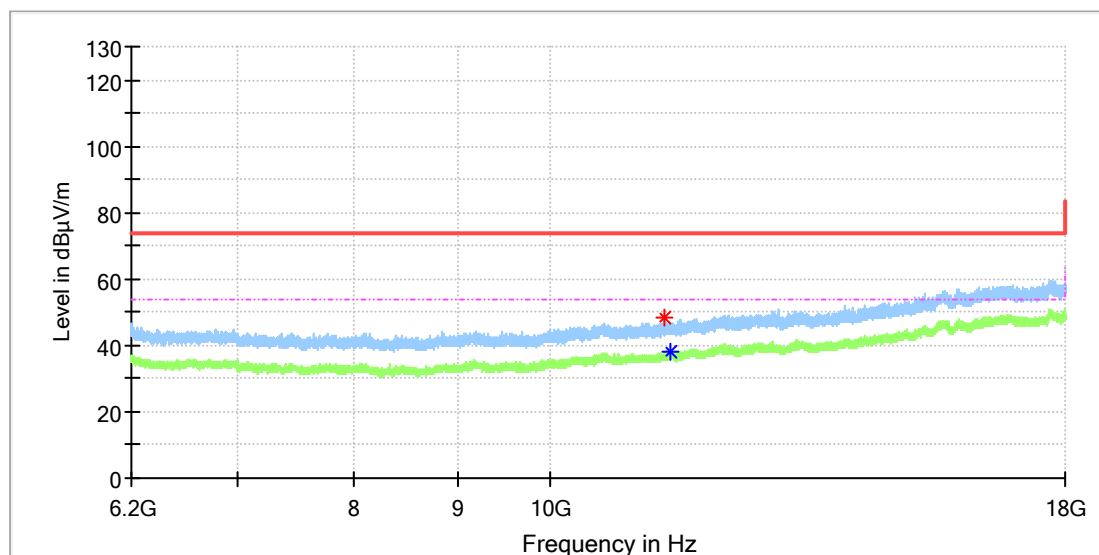
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1303.500000	43.87	---	74.00	30.13	150.0	V	125.0	1.9
1320.000000	---	33.33	54.00	20.67	150.0	V	37.0	2.0
3243.500000	---	41.76	54.00	12.24	150.0	V	12.0	8.5
3248.500000	53.01	---	74.00	20.99	150.0	V	277.0	8.5

Final Result

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

EUT Information

EUT Name:	DJI Goggles 3
Model:	TKGS3
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168438695/A003598699-029
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

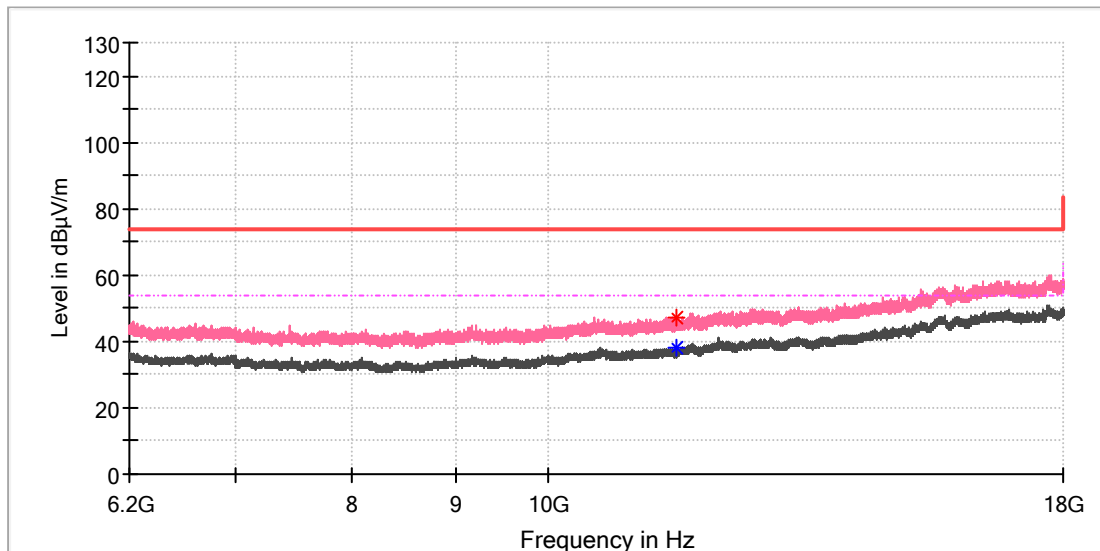
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11384.133333	48.37	---	74.00	25.63	150.0	H	53.0	12.6
11476.566667	---	38.37	54.00	15.63	150.0	H	127.0	13.7

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 Goggles 3
Model:	TKGS3
Test Mode:	WIFI 5G_11a_Ch157
Order No/Sample No:	168438695/A003598699-029
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

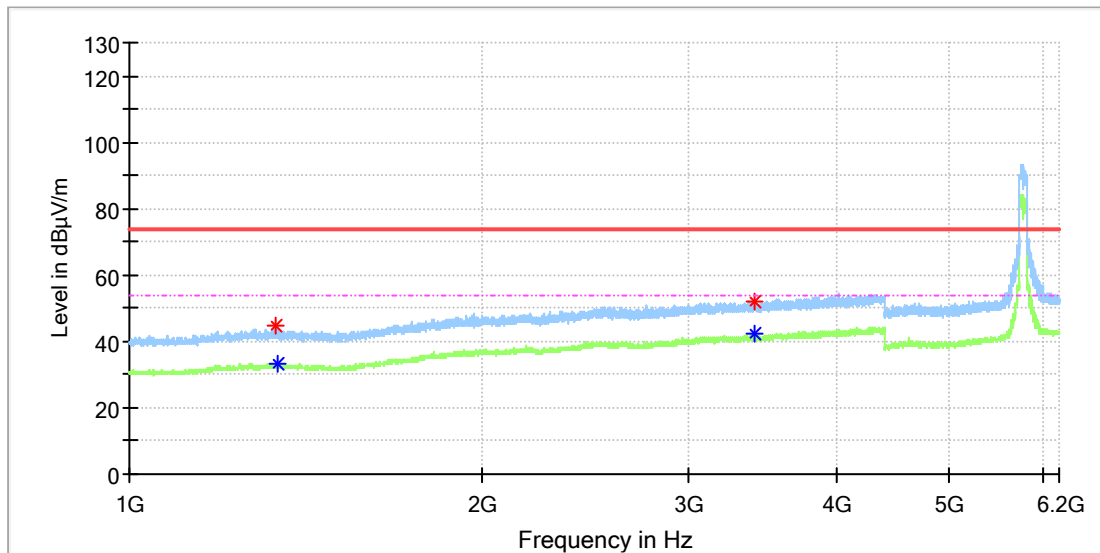
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11563.591667	---	38.21	54.00	15.79	150.0	V	210.0	13.4
11571.458333	47.33	---	74.00	26.67	150.0	V	17.0	13.4

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

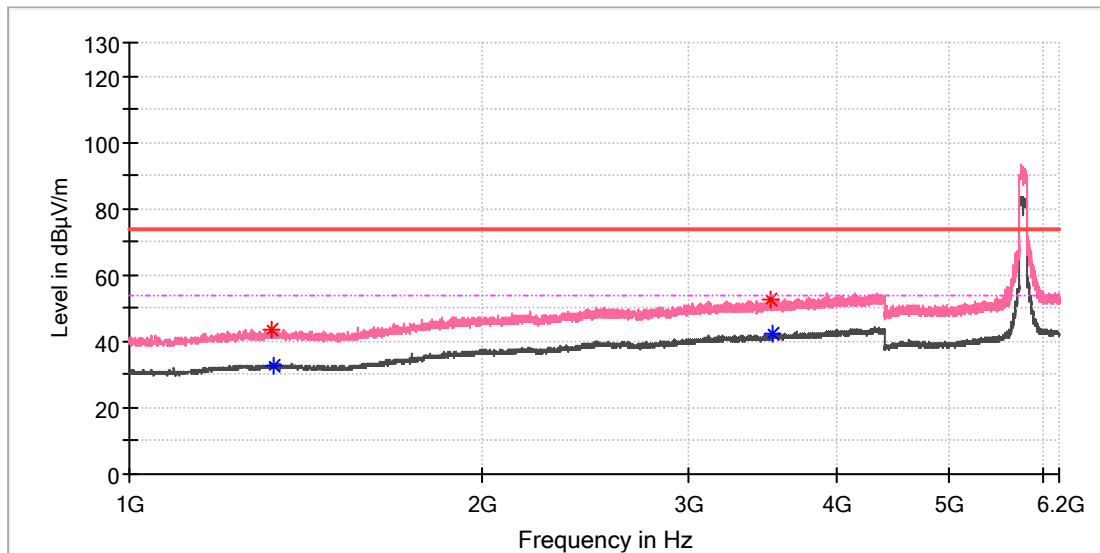
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1334.500000	44.67	---	74.00	29.33	150.0	H	0.0	2.1
1339.500000	---	33.18	54.00	20.82	150.0	H	154.0	2.1
3404.500000	52.15	---	74.00	21.85	150.0	H	97.0	8.7
3408.000000	---	42.04	54.00	11.96	150.0	H	141.0	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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

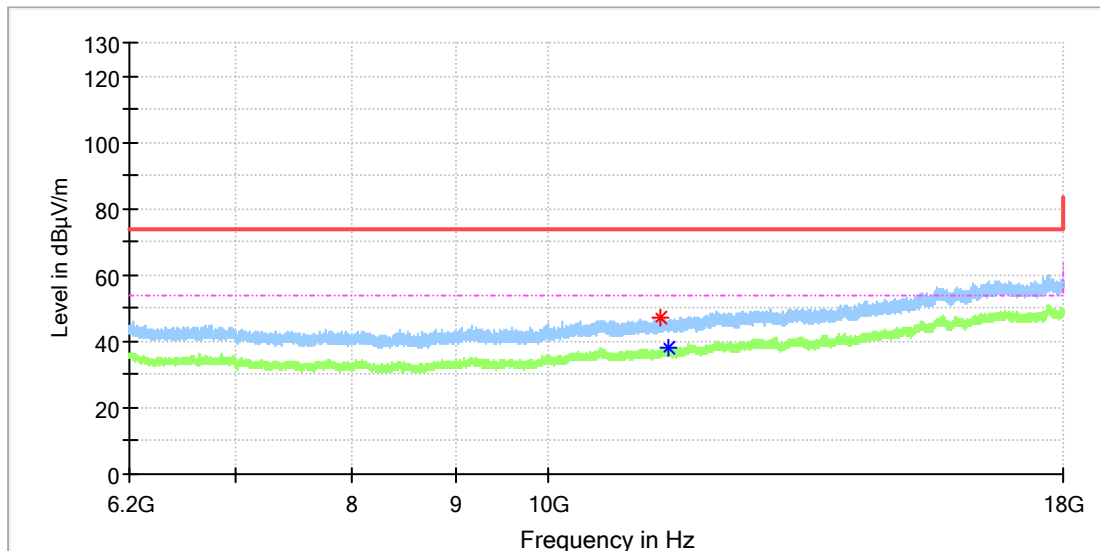
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1320.000000	43.64	---	74.00	30.36	150.0	V	258.0	2.0
1327.000000	---	32.89	54.00	21.11	150.0	V	167.0	2.0
3524.500000	52.60	---	74.00	21.40	150.0	V	82.0	9.1
3533.500000	---	42.31	54.00	11.69	150.0	V	208.0	9.1

Final Result

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

EUT Information

EUT Name:	DJI Goggles 3
Model:	TKGS3
Test Mode:	WIFI 5G_11ac80_Ch155
Order No/Sample No:	168438695/A003598699-029
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

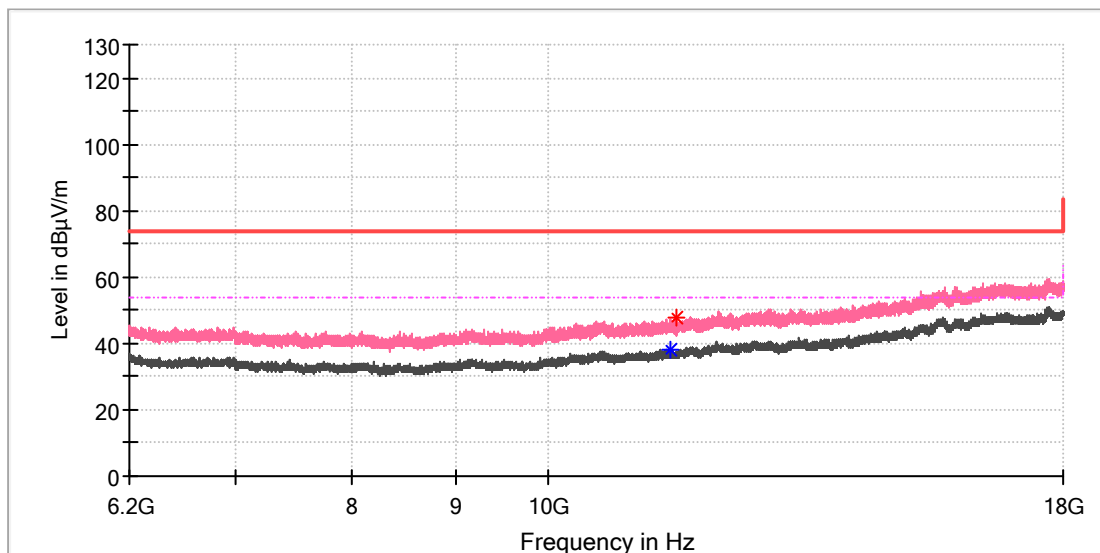
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11359.550000	47.35	---	74.00	26.65	150.0	H	281.0	12.5
11472.141667	---	37.91	54.00	16.09	150.0	H	179.0	13.6

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

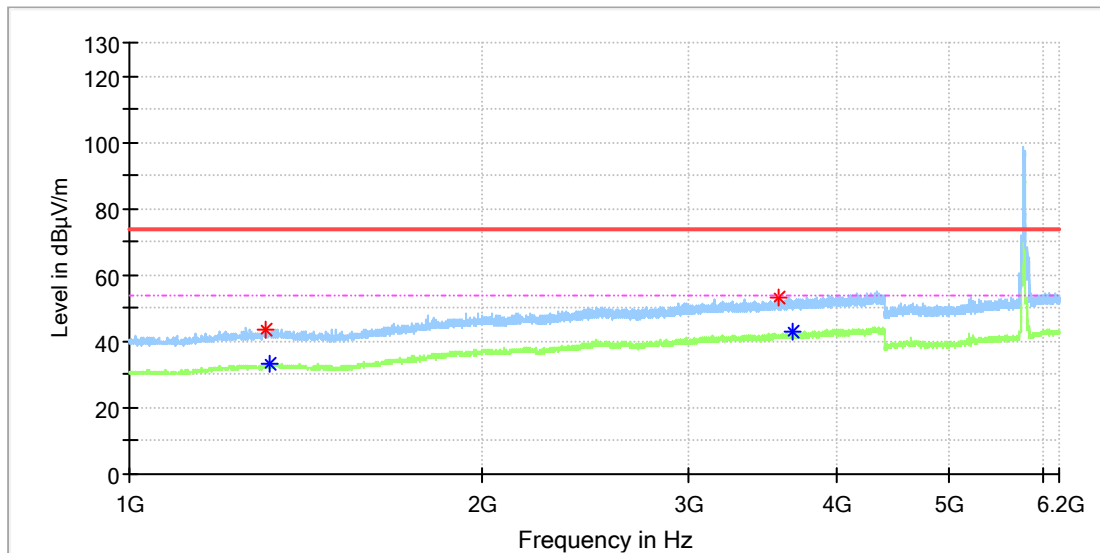
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11504.100000	---	37.93	54.00	16.07	150.0	V	159.0	13.7
11568.508333	47.76	---	74.00	26.24	150.0	V	159.0	13.4

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n20_Ch157
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

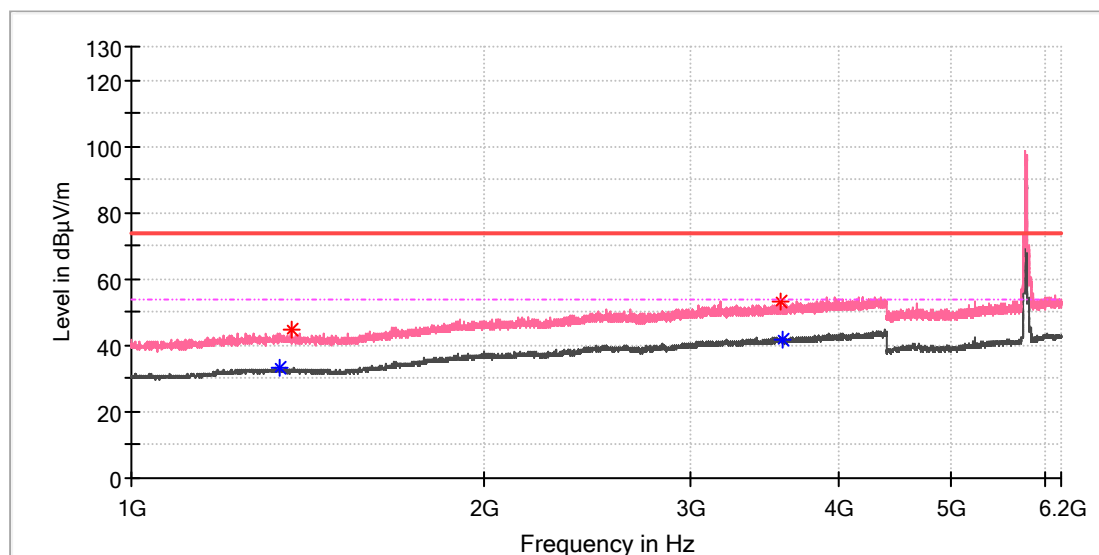
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1309.000000	43.64	---	74.00	30.36	150.0	H	256.0	2.0
1318.000000	---	33.11	54.00	20.89	150.0	H	0.0	2.0
3575.000000	53.27	---	74.00	20.73	150.0	H	137.0	9.3
3679.500000	---	42.75	54.00	11.25	150.0	H	126.0	9.5

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n20_Ch157
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

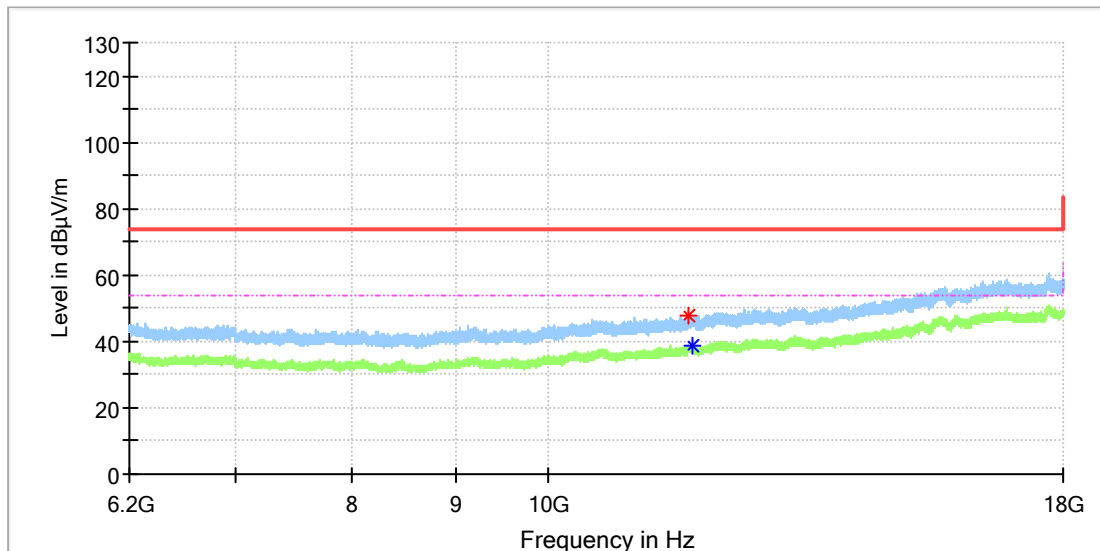
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1339.000000	---	33.45	54.00	20.55	150.0	V	52.0	2.1
1367.000000	44.74	---	74.00	29.26	150.0	V	123.0	2.0
3581.500000	52.96	---	74.00	21.04	150.0	V	79.0	9.3
3589.000000	---	42.02	54.00	11.98	150.0	V	11.0	9.3

Final Result

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

EUT Information

EUT Name: DJI Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n20_Ch157
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

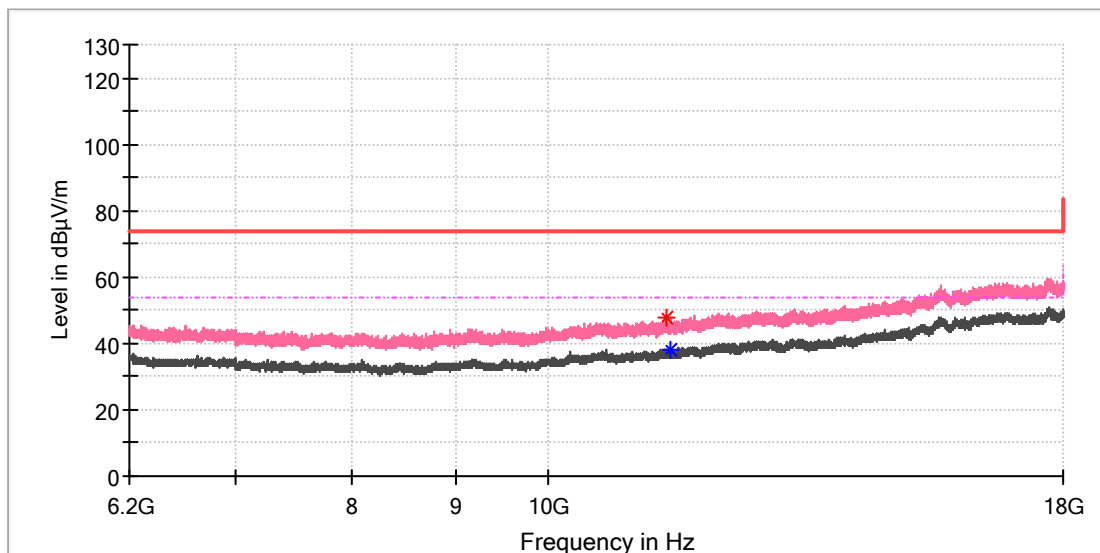
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11722.891667	47.67	---	74.00	26.33	150.0	H	111.0	13.3
11796.150000	---	38.67	54.00	15.33	150.0	H	322.0	13.4

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n20_Ch157
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

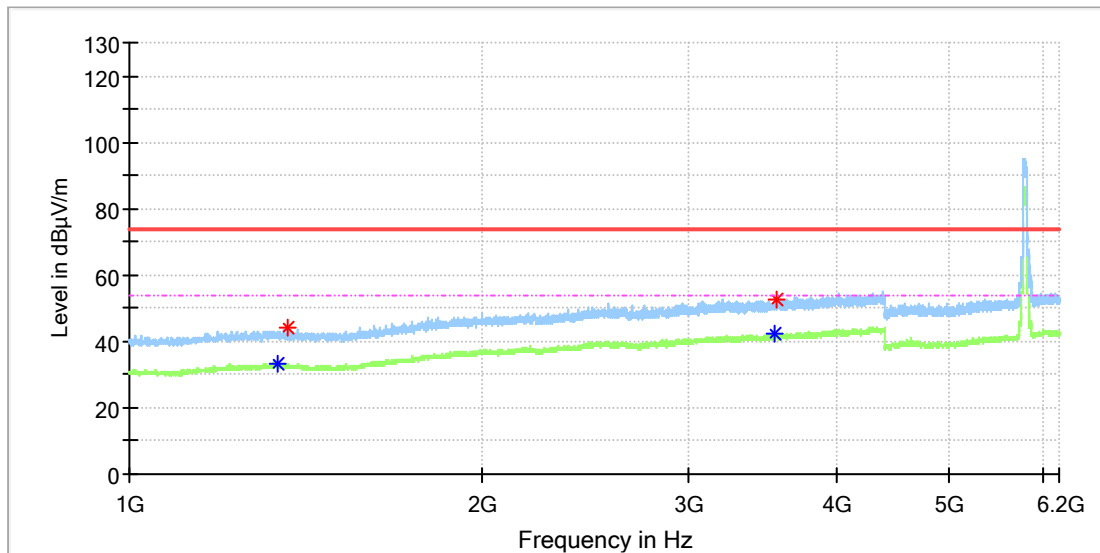
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11451.491667	47.52	---	74.00	26.48	150.0	V	262.0	13.4
11484.925000	---	38.10	54.00	15.90	150.0	V	74.0	13.8

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

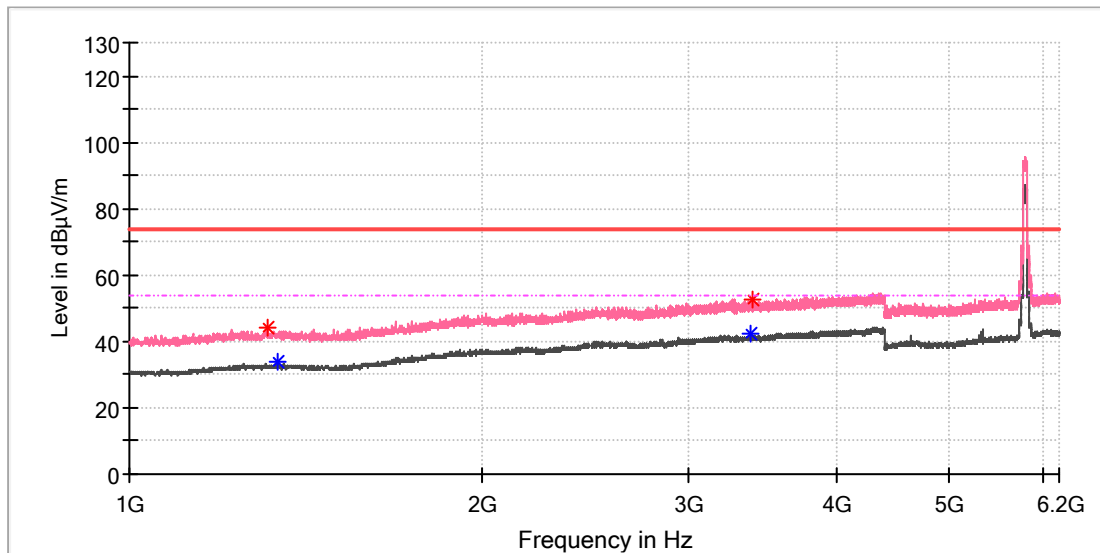
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1339.500000	---	33.07	54.00	20.93	150.0	H	268.0	2.1
1363.000000	44.09	---	74.00	29.91	150.0	H	350.0	2.0
3547.500000	---	42.58	54.00	11.42	150.0	H	113.0	9.2
3562.000000	52.64	---	74.00	21.36	150.0	H	221.0	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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

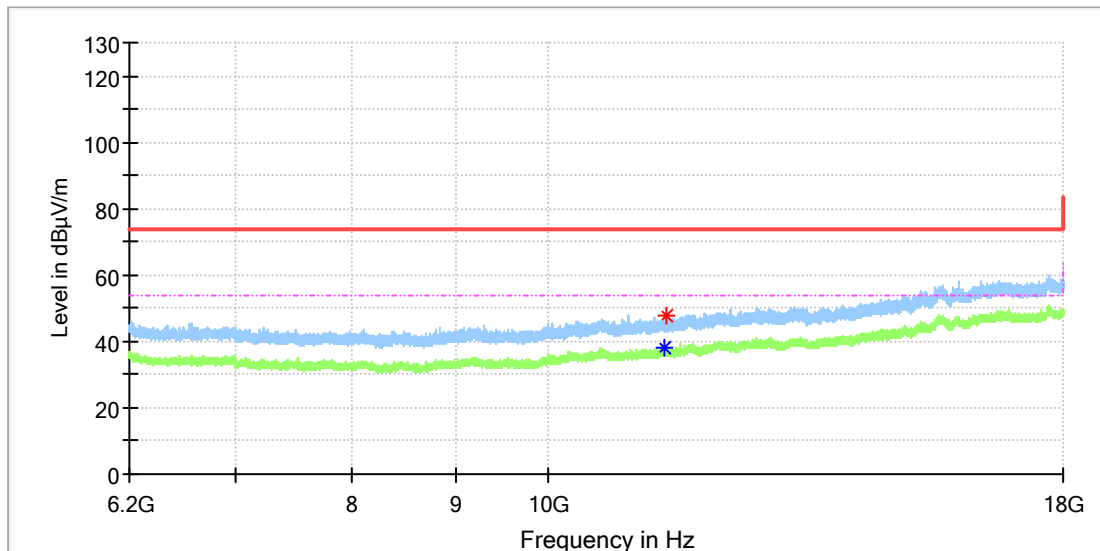
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1313.500000	44.13	---	74.00	29.87	150.0	V	0.0	2.0
1337.500000	---	34.00	54.00	20.00	150.0	V	80.0	2.1
3388.000000	---	42.07	54.00	11.93	150.0	V	159.0	8.7
3399.500000	52.63	---	74.00	21.37	150.0	V	97.0	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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

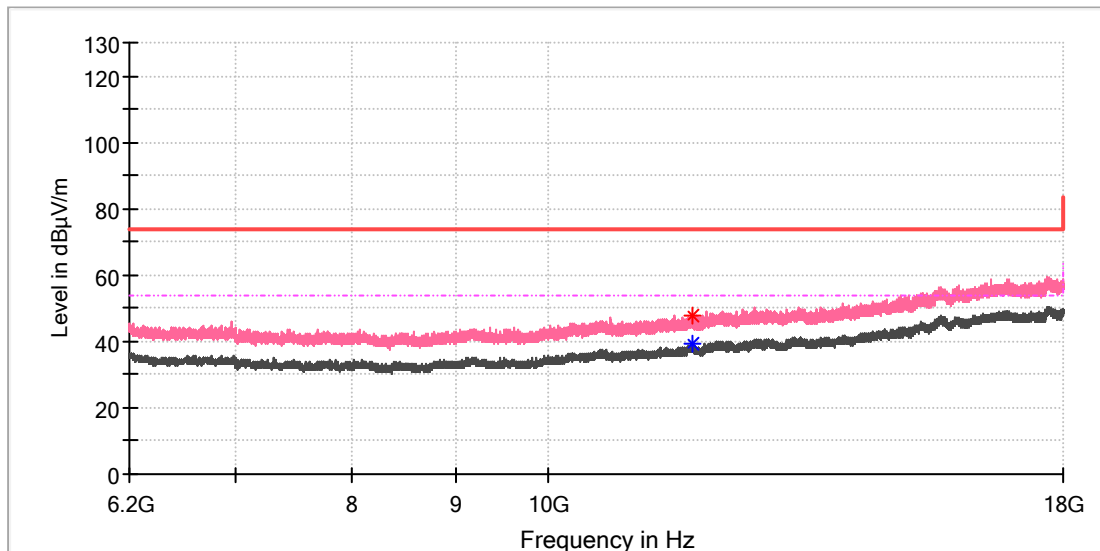
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11408.225000	---	38.00	54.00	16.00	150.0	H	11.0	12.9
11449.033333	47.51	---	74.00	26.49	150.0	H	0.0	13.3

Final Result

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

EUT Information

EUT Name: DJI Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
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)
11778.450000	47.80	---	74.00	26.20	150.0	V	252.0	13.4
11779.433333	---	39.12	54.00	14.88	150.0	V	358.0	13.4

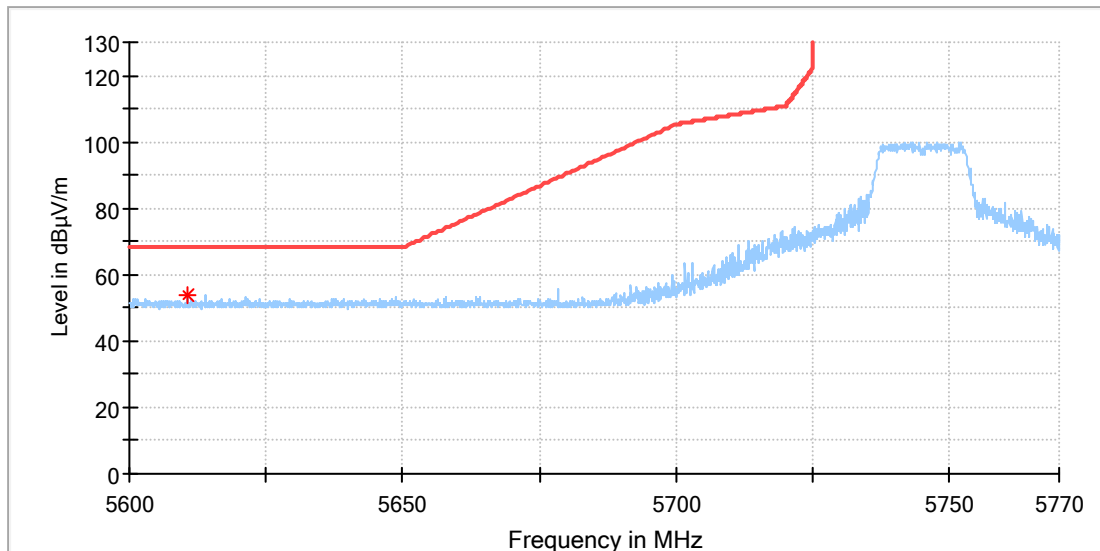
Final Result

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

EUT Information

EUT Name:	DJI Goggles 3
Model:	TKGS3
Test Mode:	WIFI 5G_11a_Ch149
Order No/Sample No:	168438695/A003598699-029
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

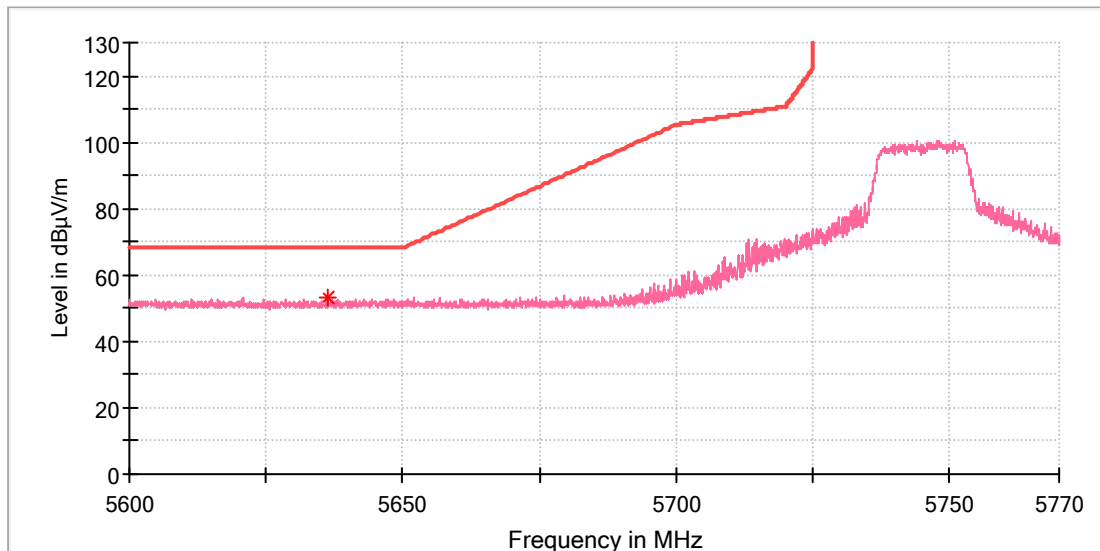
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5610.511111	53.97	68.20	14.23	150.0	H	160.0	13.8

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 Goggles 3
Model:	TKGS3
Test Mode:	WIFI 5G_11a_Ch149
Order No/Sample No:	168438695/A003598699-029
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

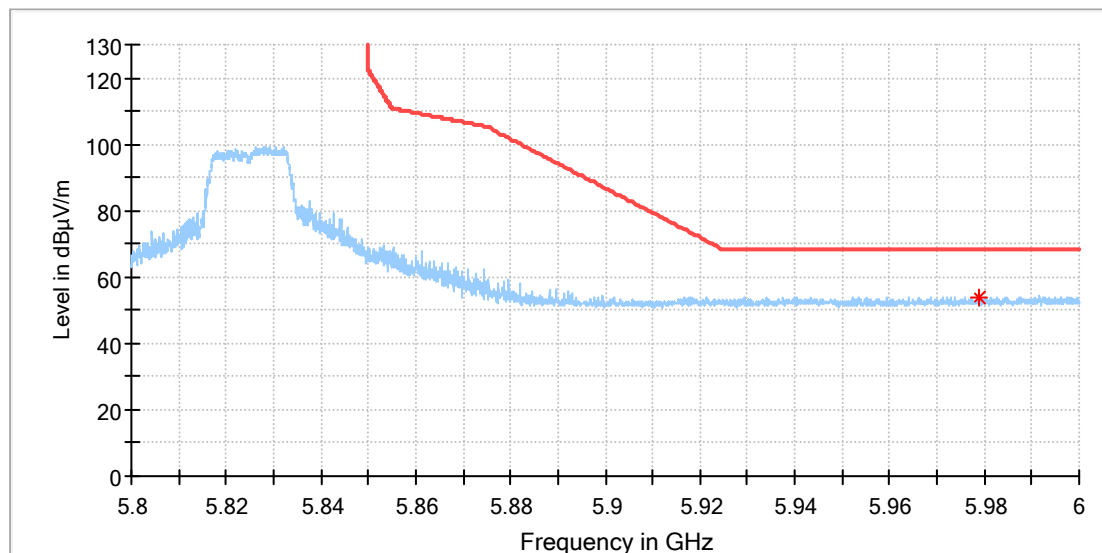
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5636.300000	53.05	68.20	15.15	150.0	V	0.0	13.8

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

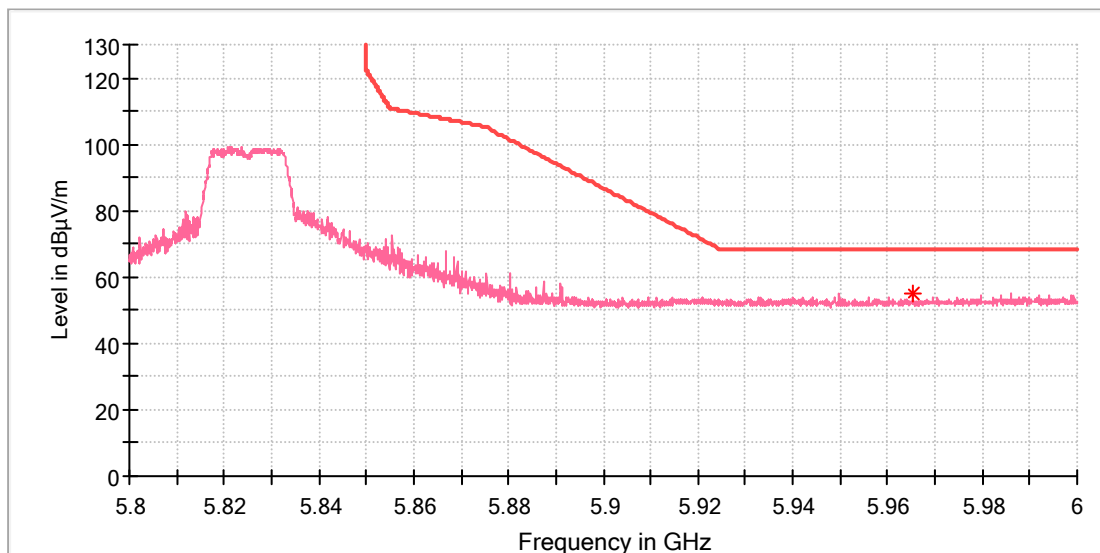
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5978.993056	54.11	68.20	14.09	150.0	H	34.0	14.9

Final Result

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

EUT Information

EUT Name: DJI Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

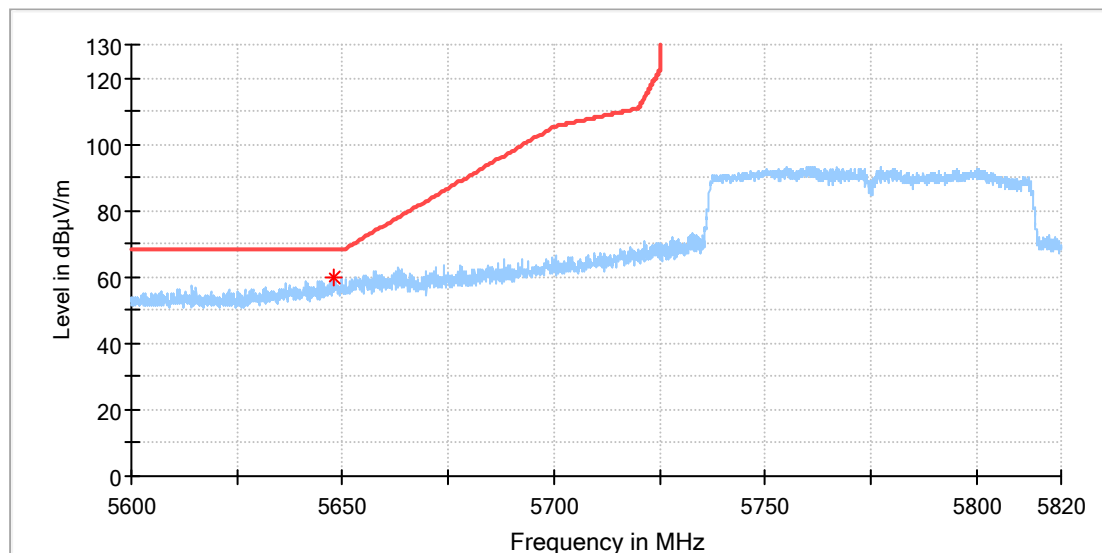
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5965.395833	54.99	68.20	13.21	150.0	V	23.0	14.8

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

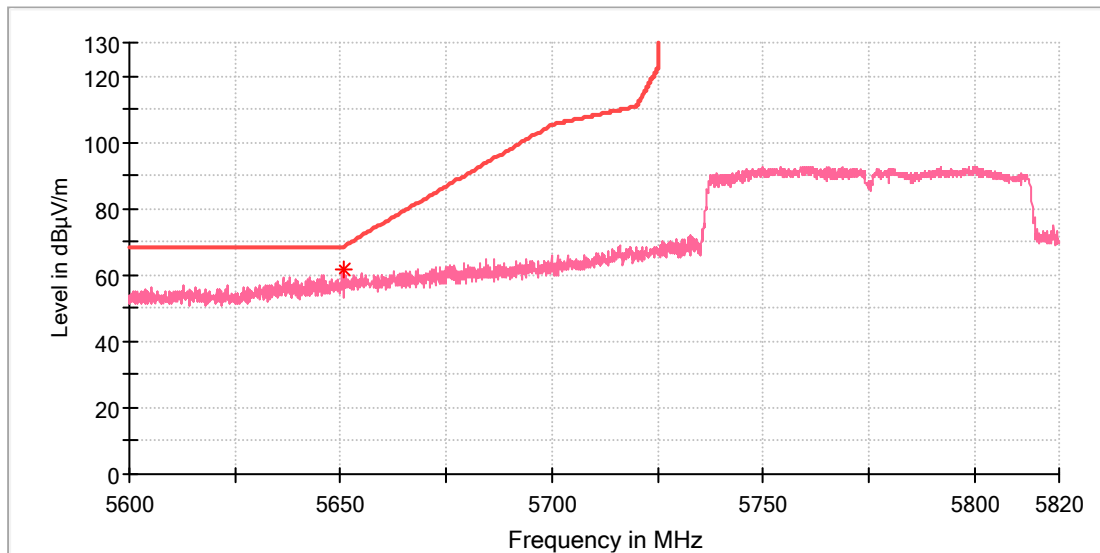
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5647.972222	59.94	68.20	8.26	150.0	H	174.0	13.8

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

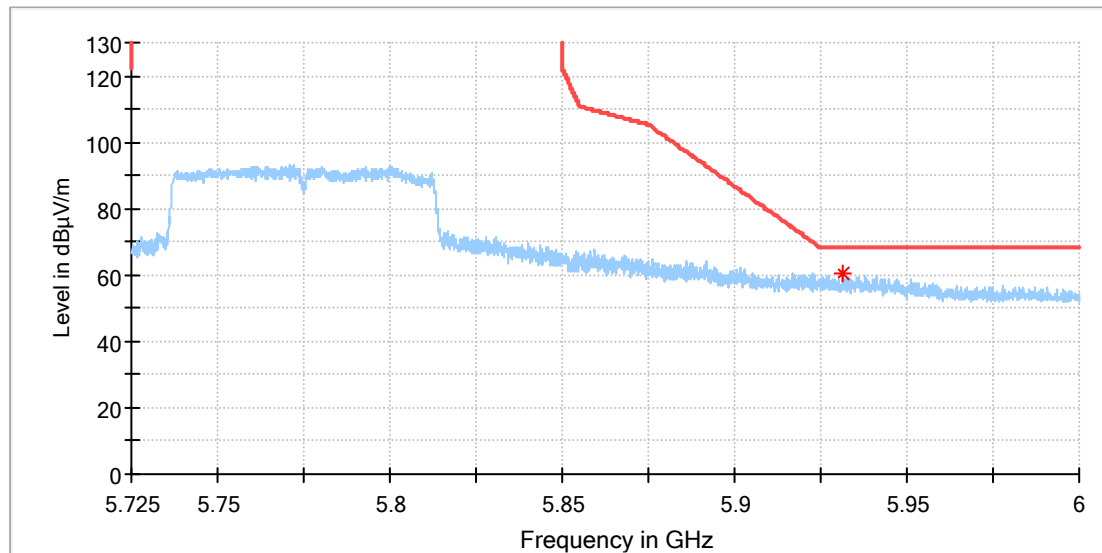
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5650.844445	61.68	68.83	7.14	150.0	V	275.0	13.8

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

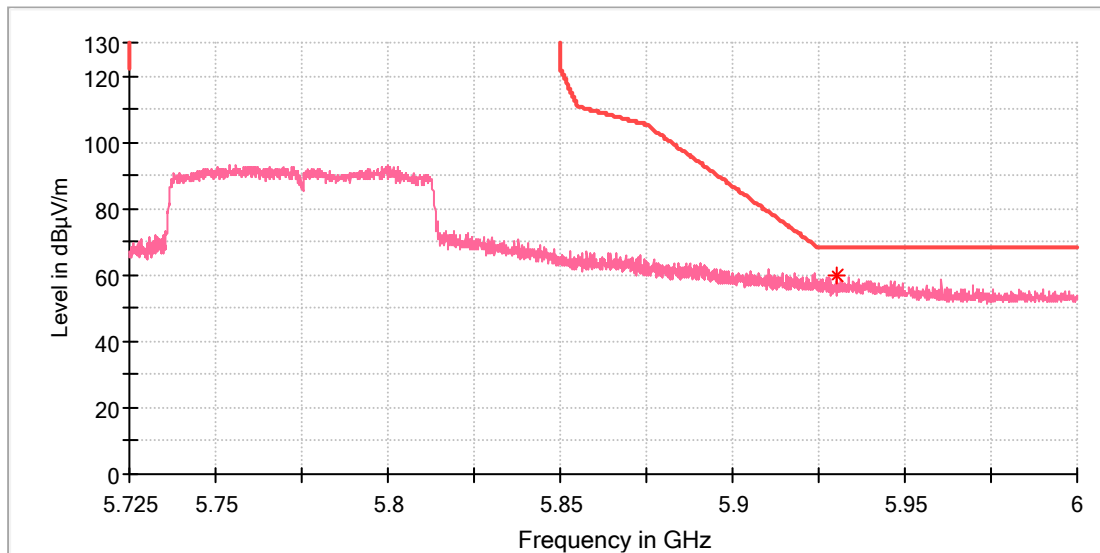
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5931.326389	60.19	68.20	8.01	150.0	H	195.0	14.7

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

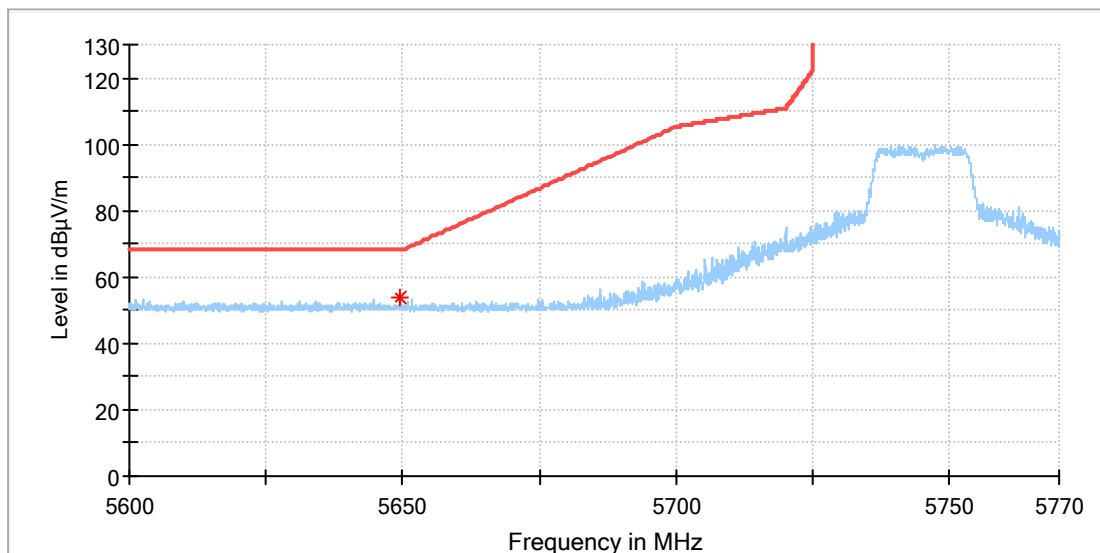
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5930.333333	59.88	68.20	8.32	150.0	V	265.0	14.7

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 Goggles 3
Model:	TKGS3
Test Mode:	WIFI 5G_11n20_Ch149
Order No/Sample No:	168438695/A003598699-029
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

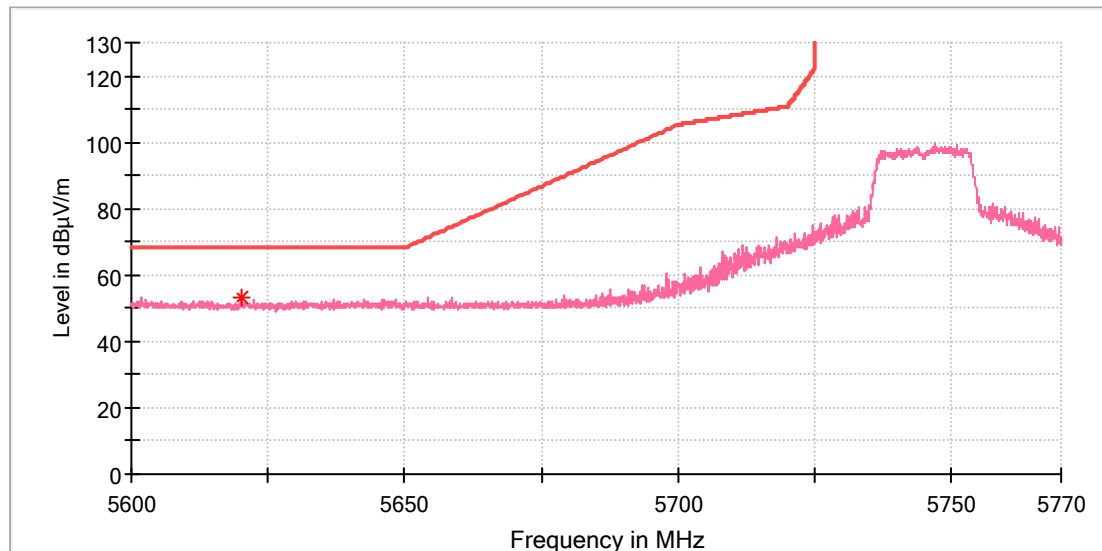
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5649.622222	53.66	68.20	14.54	150.0	H	106.0	13.8

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 Goggles 3
Model:	TKGS3
Test Mode:	WIFI 5G_11n20_Ch149
Order No/Sample No:	168438695/A003598699-029
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

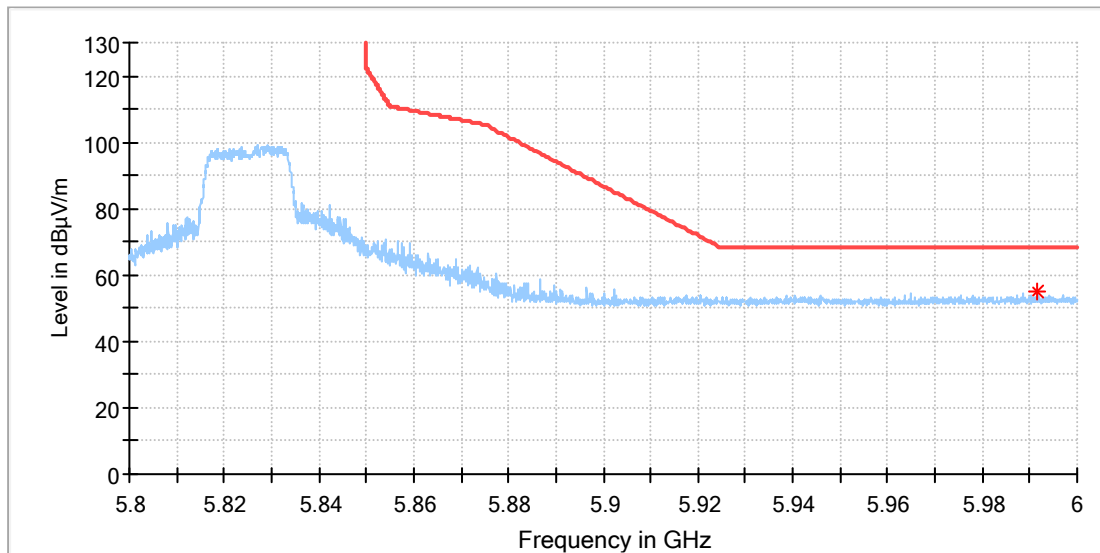
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5620.044445	53.43	68.20	14.77	150.0	V	356.0	13.8

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n20_Ch165
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

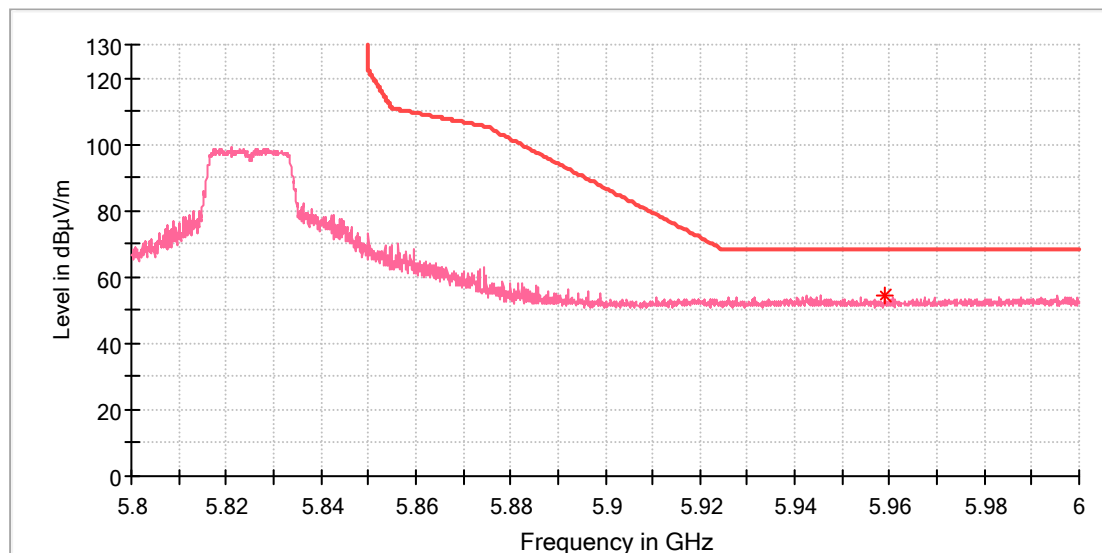
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5991.750000	54.91	68.20	13.29	150.0	H	62.0	15.0

Final Result

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

EUT Name: DJI Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n20_Ch165
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

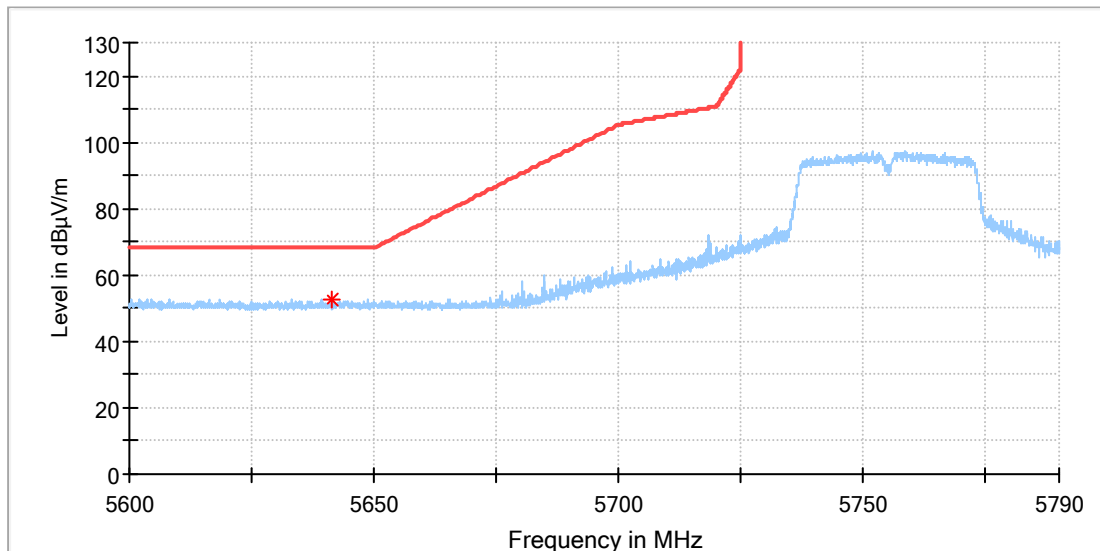
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5958.902778	54.28	68.20	13.92	150.0	V	266.0	14.8

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

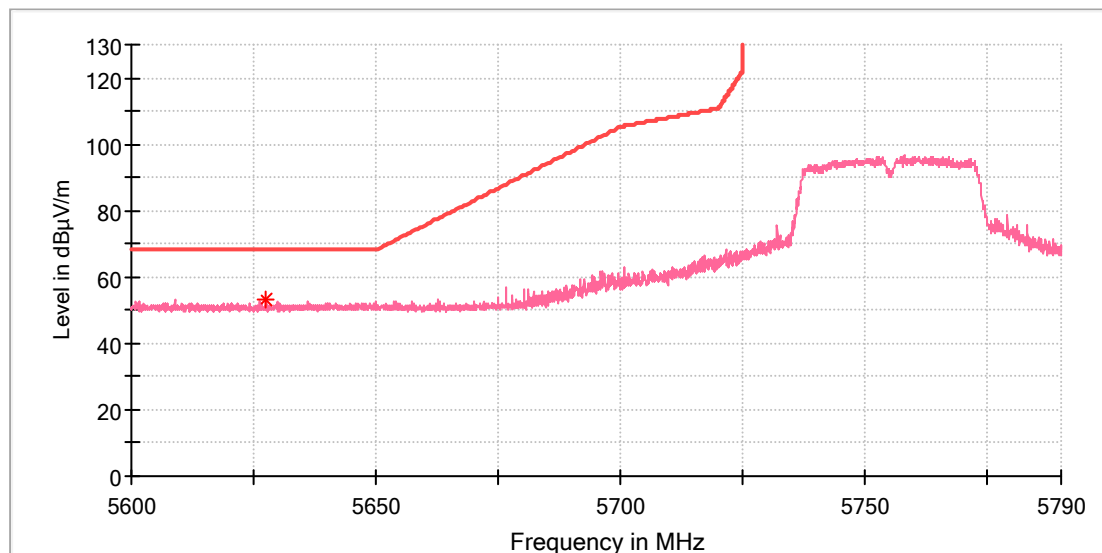
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5641.494445	52.79	68.20	15.41	150.0	H	358.0	13.8

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

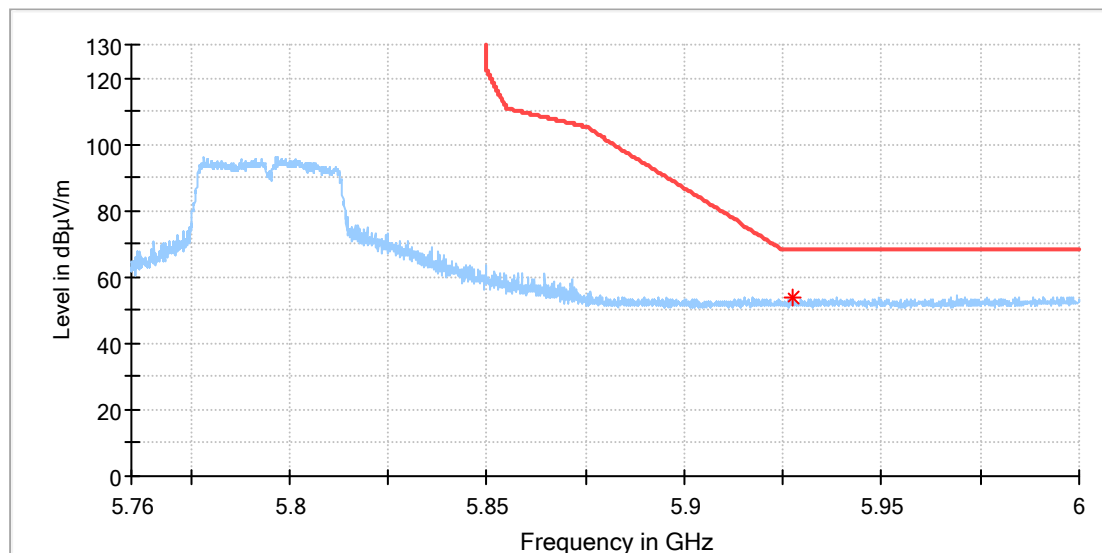
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5627.622222	52.93	68.20	15.27	150.0	V	160.0	13.8

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 Goggles 3
Model:	TKGS3
Test Mode:	WIFI 5G_11n40_Ch159
Order No/Sample No:	168438695/A003598699-029
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

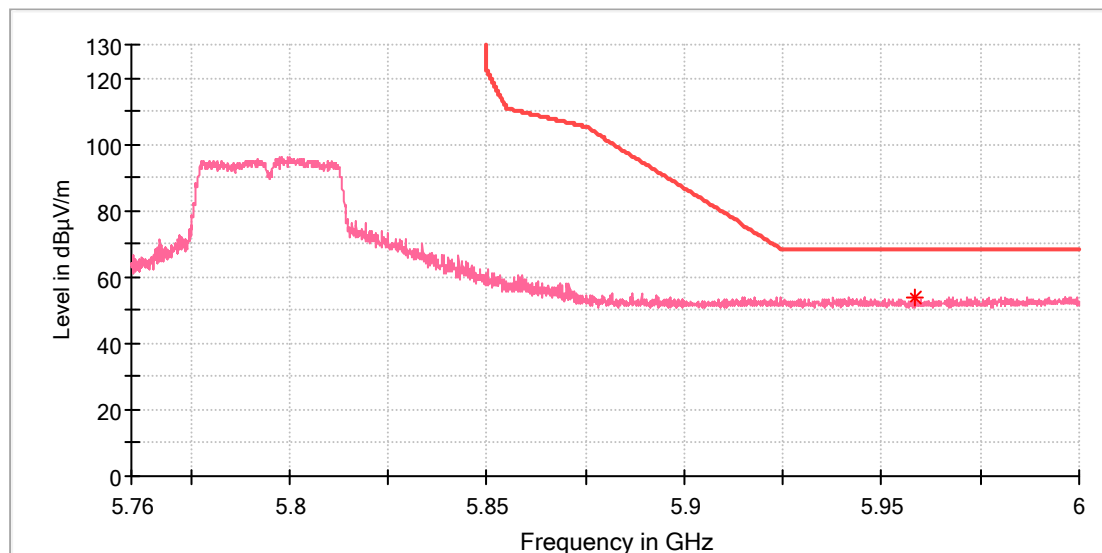
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5927.354167	54.02	68.20	14.18	150.0	H	202.0	14.7

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 Goggles 3
Model: TKGS3
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168438695/A003598699-029
Test Voltage: Battery
Remark: Temp 22 Humi:52%
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)
5958.597222	53.72	68.20	14.48	150.0	V	192.0	14.8

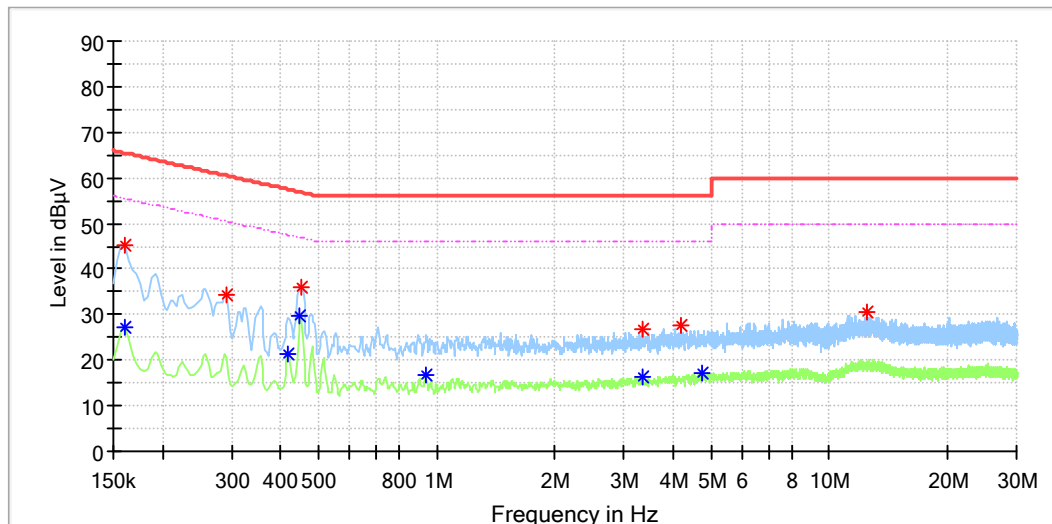
Final Result

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

EUT Information

EUT Name:	DJI Goggles 3
Order Number:	168438695
Model:	TKGS3
Test Mode:	WIFI 5.8G
Test Voltage:	AC 120V60Hz
Test Standard:	FCC 15.207
Test By:/Review By:	Eric Guo/ Gary Chen
Tem./Hum./Pressure:	25.0°C/51.2%/101kPa
Remark:	SR2

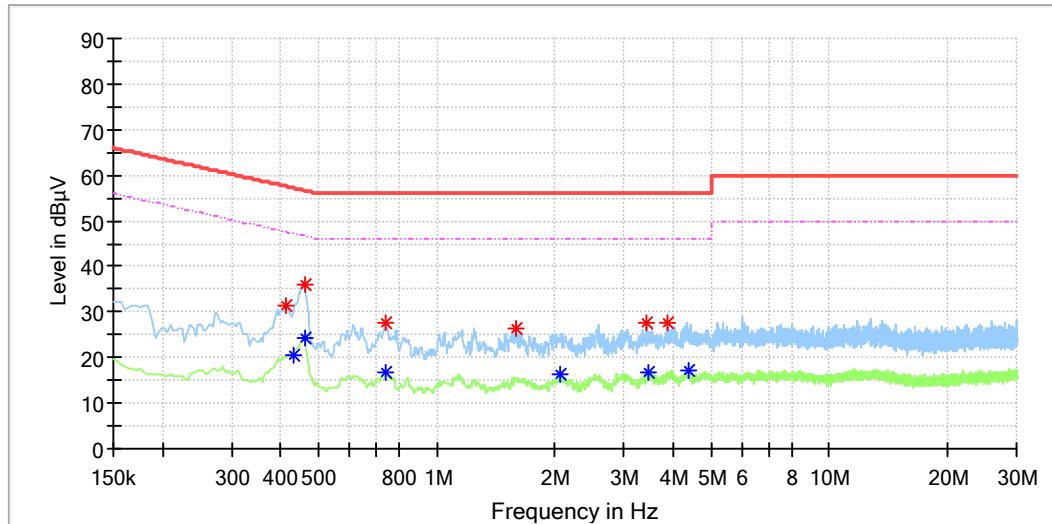


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.161194	45.04	---	65.40	20.36	L1	9.9
0.161194	---	27.24	55.40	28.17	L1	9.9
0.291788	34.45	---	60.47	26.02	L1	9.9
0.418650	---	21.29	47.48	26.19	L1	9.9
0.448500	---	29.80	46.90	17.10	L1	9.9
0.452231	36.17	---	56.83	20.66	L1	9.9
0.937294	---	16.82	46.00	29.18	L1	10.0
3.343950	---	16.14	46.00	29.86	L1	10.2
3.343950	26.79	---	56.00	29.21	L1	10.2
4.202138	27.49	---	56.00	28.51	L1	10.2
4.743169	---	16.99	46.00	29.01	L1	10.2
12.466856	30.44	---	60.00	29.56	L1	10.3

EUT Information

EUT Name: DJI Goggles 3
Order Number: 168438695
Model: TKGS3
Test Mode: WIFI 5.8G
Test Voltage: AC 120V60Hz
Test Standard: FCC 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)
0.414919	31.46	---	57.55	26.09	N	9.8
0.429844	---	20.55	47.26	26.71	N	9.8
0.459694	35.90	---	56.70	20.80	N	9.8
0.459694	---	24.20	46.70	22.50	N	9.8
0.739538	27.81	---	56.00	28.19	N	9.8
0.743269	---	16.74	46.00	29.26	N	9.8
1.590263	26.33	---	56.00	29.67	N	9.8
2.067863	---	16.41	46.00	29.59	N	9.9
3.418575	27.61	---	56.00	28.39	N	9.9
3.470813	---	16.71	46.00	29.29	N	9.9
3.873788	27.81	---	56.00	28.19	N	9.9
4.373775	---	17.28	46.00	28.72	N	9.9