

Appendix A: Test Results of 5.1G SDR

APPENDIX A: TEST RESULTS OF 5.1G SDR	1
APPENDIX A.1: TEST RESULTS OF CONDUCTED POWER	2
APPENDIX A.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	3
5.1GHz SDR, 10MHz BW	3
5.1GHz SDR, 20MHz BW	6
5.1GHz SDR, 40MHz BW	9
5.1GHz SDR, 60MHz BW	12
5.1GHz SDR, 80MHz BW	15
APPENDIX A.2: TEST RESULTS OF FREQUENCY STABILITY	18
APPENDIX A.3: TEST RESULTS OF 26dB BANDWIDTH	19
5.1GHz SDR, 10MHz BW	19
5.1GHz SDR, 20MHz BW	21
5.1GHz SDR, 40MHz BW	23
5.2GHz SDR, 60MHz BW	25
5.2GHz SDR, 80MHz BW	27
APPENDIX A.4: TEST RESULTS OF 99% BANDWIDTH	29
5.1GHz SDR, 10MHz BW	29
5.1GHz SDR, 20MHz BW	31
5.1GHz SDR, 40MHz BW	33
5.2GHz SDR, 60MHz BW	35
5.2GHz SDR, 80MHz BW	37
APPENDIX A.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	39
30MHz - 1GHz (Worst case)	39
1GHz - 18GHz	41
APPENDIX A.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	61
5.1GHz SDR, 10MHz BW	61
5.2GHz SDR, 20MHz BW	66
5.1GHz SDR, 40MHz BW	71
5.2GHz SDR, 60MHz BW	77
5.2GHz SDR, 80MHz BW	84
APPENDIX A.8: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS	90

Appendix A.1: Test Results of Conducted Power

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
10MHz	Ant1	5157	-1.21	≤24.00	PASS
	Ant2	5157	-1.87	≤24.00	PASS
	total	5157	1.48	≤24.00	PASS
	Ant1	5200	13.17	≤24.00	PASS
	Ant2	5200	12.03	≤24.00	PASS
	total	5200	15.65	≤24.00	PASS
	Ant1	5245	10.36	≤24.00	PASS
	Ant2	5245	14.06	≤24.00	PASS
	total	5245	15.60	≤24.00	PASS

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
20MHz	Ant1	5161	3.18	≤24.00	PASS
	Ant2	5161	2.17	≤24.00	PASS
	total	5161	5.71	≤24.00	PASS
	Ant1	5200	12.96	≤24.00	PASS
	Ant2	5200	12.21	≤24.00	PASS
	total	5200	15.61	≤24.00	PASS
	Ant1	5240	11.71	≤24.00	PASS
	Ant2	5240	13.40	≤24.00	PASS
	total	5240	15.65	≤24.00	PASS

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
40MHz	Ant1	5170	3.67	≤24.00	PASS
	Ant2	5170	2.94	≤24.00	PASS
	total	5170	6.33	≤24.00	PASS
	Ant1	5200	13.16	≤24.00	PASS
	Ant2	5200	12.44	≤24.00	PASS
	total	5200	15.83	≤24.00	PASS
	Ant1	5230	12.38	≤24.00	PASS
	Ant2	5230	12.74	≤24.00	PASS
	total	5230	15.57	≤24.00	PASS

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
60MHz	Ant1	5180	3.55	≤24.00	PASS
	Ant2	5180	2.50	≤24.00	PASS
	total	5180	6.07	≤24.00	PASS
	Ant1	5200	11.35	≤24.00	PASS
	Ant2	5200	10.64	≤24.00	PASS
	total	5200	14.02	≤24.00	PASS
	Ant1	5220	12.80	≤24.00	PASS
	Ant2	5220	12.84	≤24.00	PASS
	total	5220	15.83	≤24.00	PASS

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
80MHz	Ant1	5190	3.26	≤24.00	PASS
	Ant2	5190	2.92	≤24.00	PASS
	total	5190	6.10	≤24.00	PASS
	Ant1	5200	12.56	≤24.00	PASS
	Ant2	5200	12.85	≤24.00	PASS
	total	5200	15.72	≤24.00	PASS
	Ant1	5210	12.24	≤24.00	PASS
	Ant2	5210	12.82	≤24.00	PASS
	total	5210	15.55	≤24.00	PASS

Note: all MIMO modes tested, only the worst-case reported for each bandwidth.

Appendix A.2: Test Results of Conducted Power Spectral Density

5.1GHz SDR, 10MHz BW

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
10MHz	Ant1	5157	-9.81	≤11.00	PASS
	Ant2	5157	-10.11	≤11.00	PASS
	total	5157	-6.95	≤11.00	PASS
	Ant1	5200	5.14	≤11.00	PASS
	Ant2	5200	4.19	≤11.00	PASS
	total	5200	7.70	≤11.00	PASS
	Ant1	5245	1.76	≤11.00	PASS
	Ant2	5245	5.75	≤11.00	PASS
	total	5245	7.21	≤11.00	PASS

Note: 1.The Duty Cycle Factor and RBW Factor is compensated in the graph.

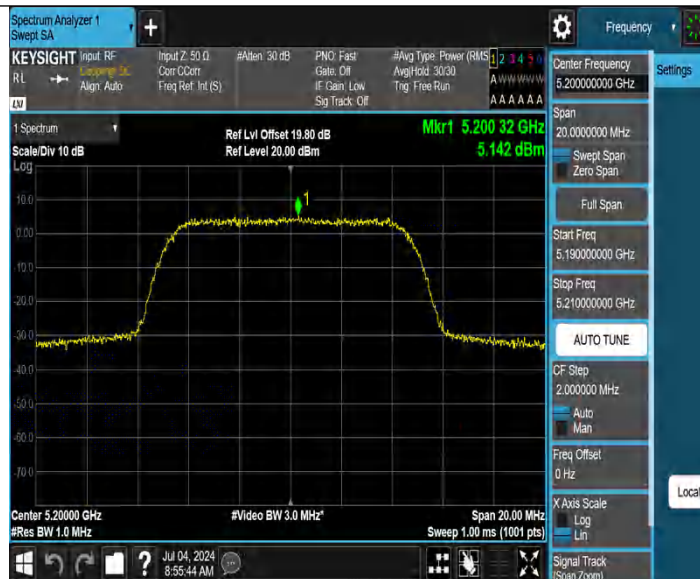
OTHER_Ant1_5157



OTHER_Ant2_5157



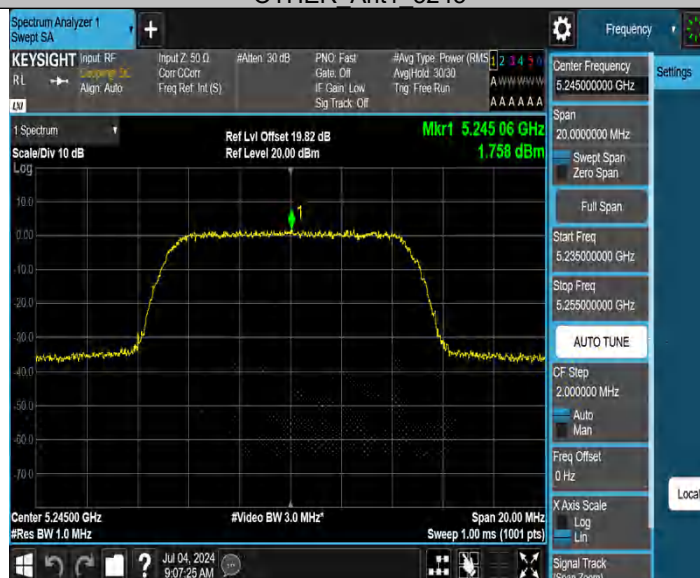
OTHER_Ant1_5200



OTHER Ant2 5200



OTHER Ant1 5245



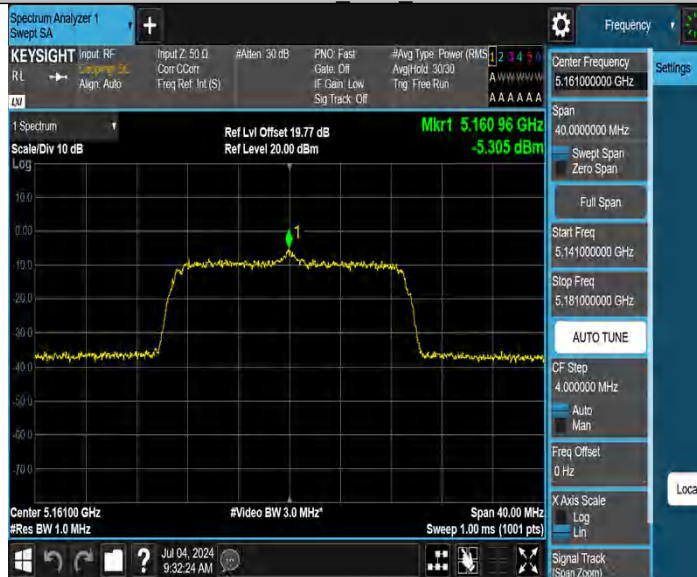
OTHER Ant2 5245



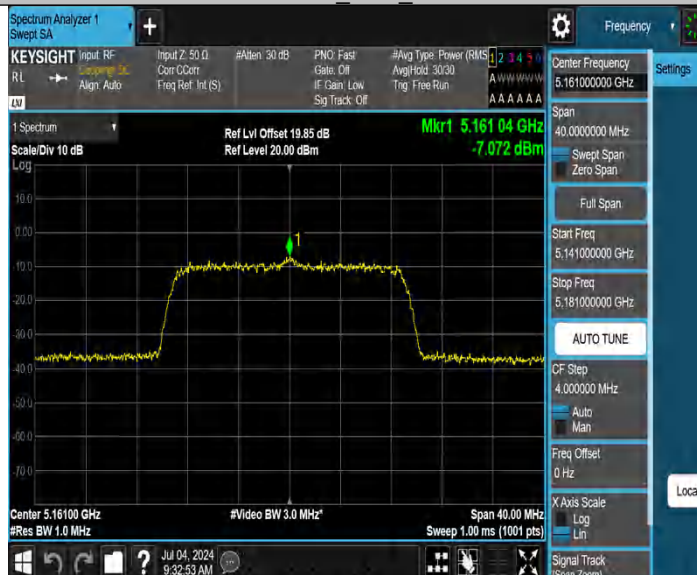
5.1GHz SDR, 20MHz BW

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
20MHz	Ant1	5161	-5.31	≤11.00	PASS
	Ant2	5161	-7.07	≤11.00	PASS
	total	5161	-3.09	≤11.00	PASS
	Ant1	5200	3.13	≤11.00	PASS
	Ant2	5200	1.98	≤11.00	PASS
	total	5200	5.60	≤11.00	PASS
	Ant1	5240	0.68	≤11.00	PASS
	Ant2	5240	3.19	≤11.00	PASS
	total	5240	5.12	≤11.00	PASS

OTHER_Ant1_5161



OTHER_Ant2_5161



OTHER_Ant1_5200



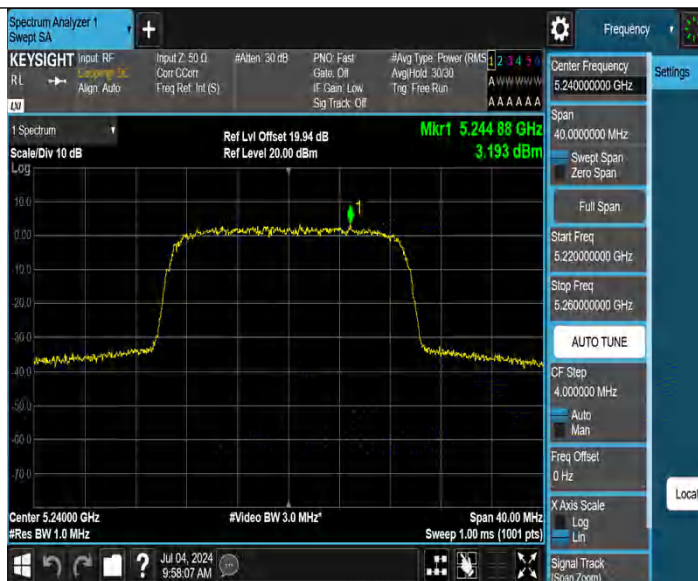
OTHER Ant2 5200



OTHER Ant1 5240



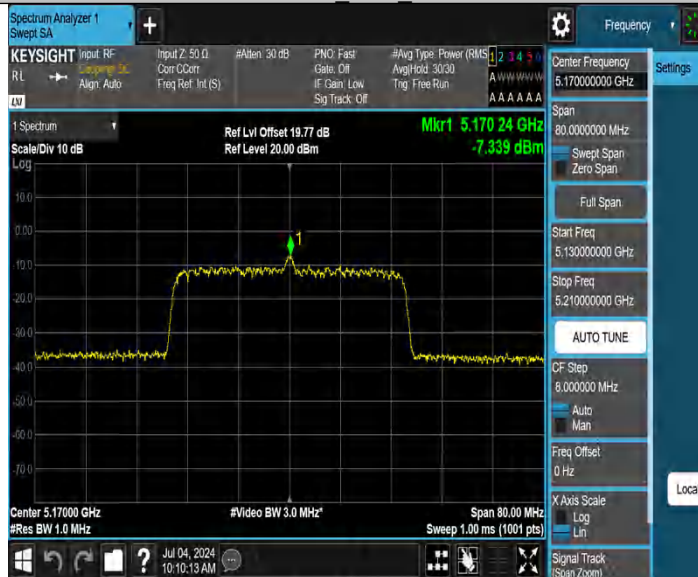
OTHER Ant2 5240



5.1GHz SDR, 40MHz BW

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
40MHz BW	Ant1	5170	-7.34	≤11.00	PASS
	Ant2	5170	-7.92	≤11.00	PASS
	total	5170	-4.61	≤11.00	PASS
	Ant1	5200	0.05	≤11.00	PASS
	Ant2	5200	-0.53	≤11.00	PASS
	total	5200	2.78	≤11.00	PASS
	Ant1	5230	0.72	≤11.00	PASS
	Ant2	5230	1.96	≤11.00	PASS
	total	5230	4.39	≤11.00	PASS

OTHER_Ant1_5170



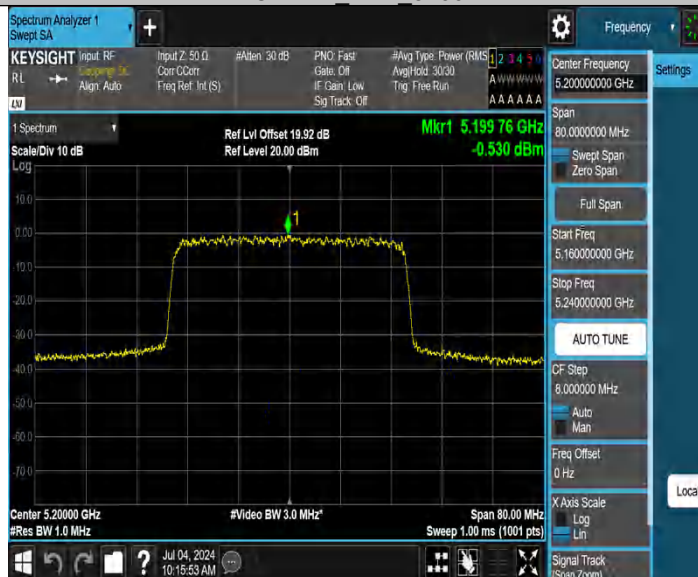
OTHER_Ant2_5170



OTHER_Ant1_5200



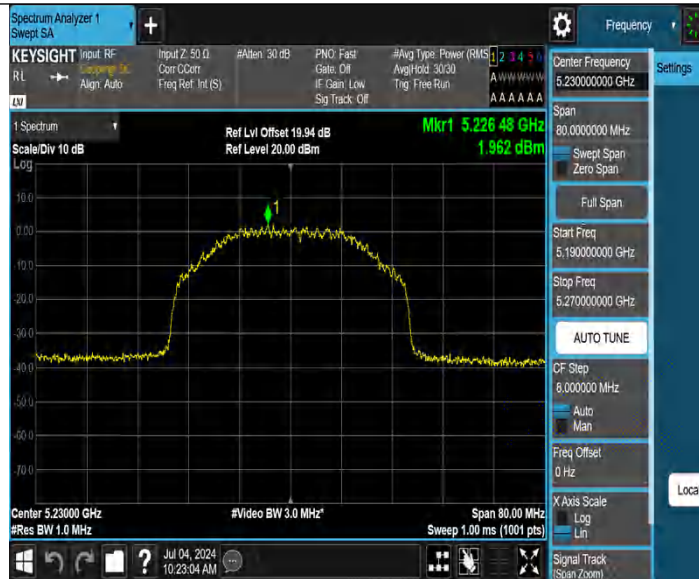
OTHER Ant2 5200



OTHER Ant1 5230



OTHER Ant2 5230



5.1GHz SDR, 60MHz BW

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
60MHz BW	Ant1	5180	-11.39	≤11.00	PASS
	Ant2	5180	-12.01	≤11.00	PASS
	total	5180	-8.68	≤11.00	PASS
	Ant1	5200	-3.71	≤11.00	PASS
	Ant2	5200	-3.54	≤11.00	PASS
	total	5200	-0.61	≤11.00	PASS
	Ant1	5220	-1.47	≤11.00	PASS
	Ant2	5220	-1.07	≤11.00	PASS
	total	5220	1.74	≤11.00	PASS

OTHER_Ant1_5180



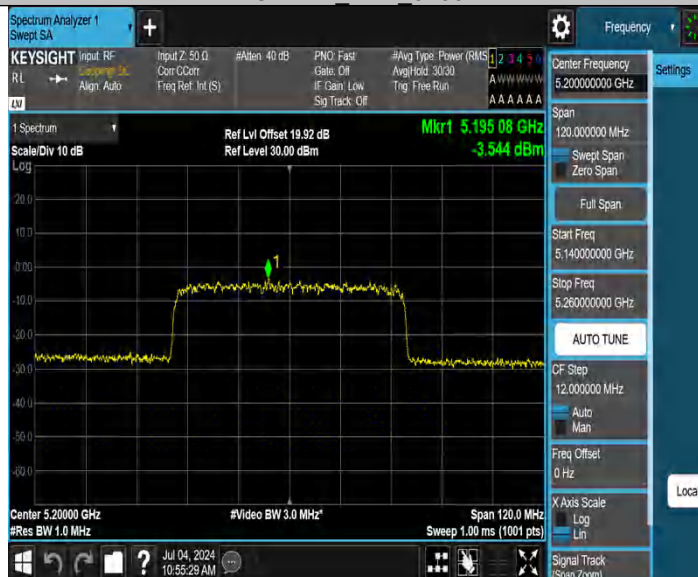
OTHER_Ant2_5180



OTHER_Ant1_5200



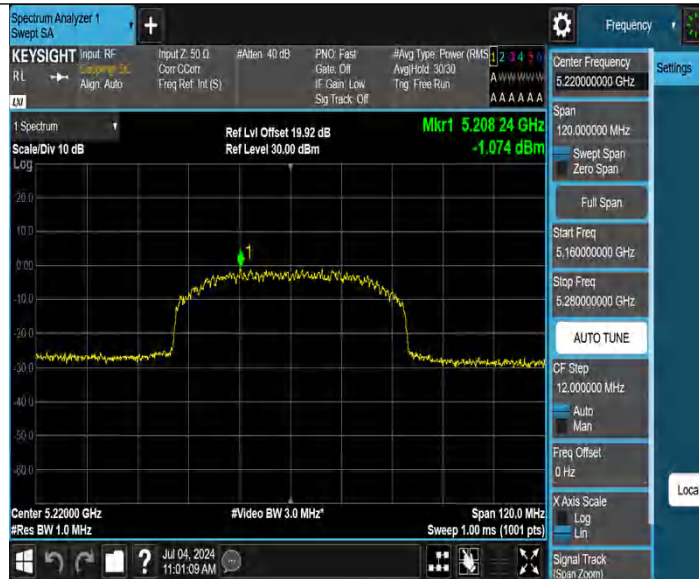
OTHER Ant2 5200



OTHER Ant1 5220



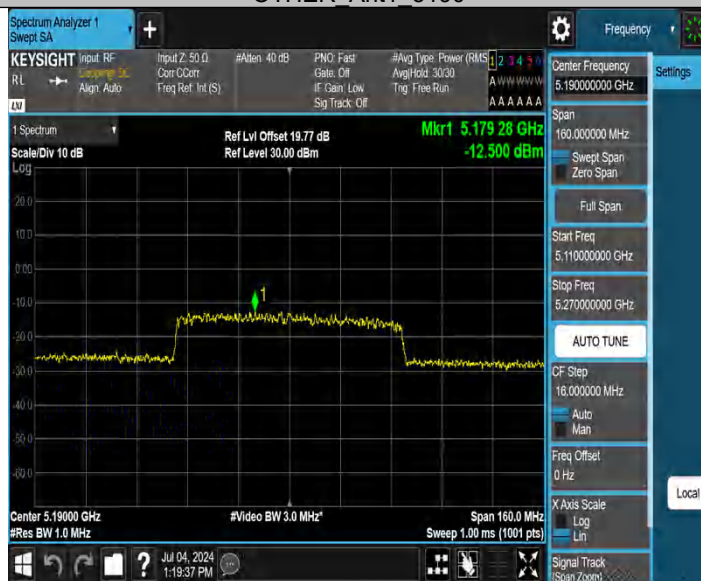
OTHER Ant2 5220



5.1GHz SDR, 80MHz BW

TestMode	Antenna	Channel	Result[dBm/MHz]	Limit[dBm/MHz]	Verdict
80MHz BW	Ant1	5190	-12.50	≤11.00	PASS
	Ant2	5190	-12.08	≤11.00	PASS
	total	5190	-9.27	≤11.00	PASS
	Ant1	5200	-1.07	≤11.00	PASS
	Ant2	5200	-0.07	≤11.00	PASS
	total	5200	2.47	≤11.00	PASS
	Ant1	5210	-0.71	≤11.00	PASS
	Ant2	5210	0.13	≤11.00	PASS
	total	5210	2.74	≤11.00	PASS

OTHER_Ant1_5190



OTHER_Ant2_5190



OTHER_Ant1_5200



OTHER Ant2 5200



OTHER Ant1 5210



OTHER Ant2 5210



Appendix A.3: Test Results of Frequency Stability

TestMode	Antenna	Channel	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
10MHz	Ant1	5157	4000.00	0.775645	20	PASS
		5200	4000.00	0.769231	20	PASS
		5245	4000.00	0.762631	20	PASS
20MHz	Ant1	5161	4000.00	0.775044	20	PASS
		5200	3000.00	0.576923	20	PASS
		5240	3000.00	0.572519	20	PASS
40MHz	Ant1	5170	4000.00	0.773694	20	PASS
		5200	4000.00	0.769231	20	PASS
		5230	4000.00	0.764818	20	PASS
60MHz	Ant1	5180	2000.00	0.386100	20	PASS
		5200	2000.00	0.384615	20	PASS
		5220	3000.00	0.574713	20	PASS
80MHz	Ant1	5190	4000.00	0.770713	20	PASS
		5200	4000.00	0.769231	20	PASS
		5210	3000.00	0.575816	20	PASS

Appendix A.4: Test Results of 26dB Bandwidth

5.1GHz SDR, 10MHz BW

Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ant1	5157	10.420	5151.840	5162.260	---	---
	5200	9.960	5194.980	5204.940	---	---
	5245	10.360	5239.700	5250.060	---	---

OTHER Ant1_5157



OTHER Ant1_5200



OTHER Ant1_5245



5.1GHz SDR, 20MHz BW

Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ant1	5161	18.680	5151.720	5170.400	---	---
	5200	18.960	5190.440	5209.400	---	---
	5240	19.480	5230.280	5249.760	---	---

OTHER_Ant1_5161



OTHER_Ant1_5200



OTHER_Ant1_5240



5.1GHz SDR, 40MHz BW

Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ant1	5170	37.600	5151.040	5188.640	---	---
	5200	37.600	5181.120	5218.720	---	---
	5230	37.680	5211.120	5248.800	---	---

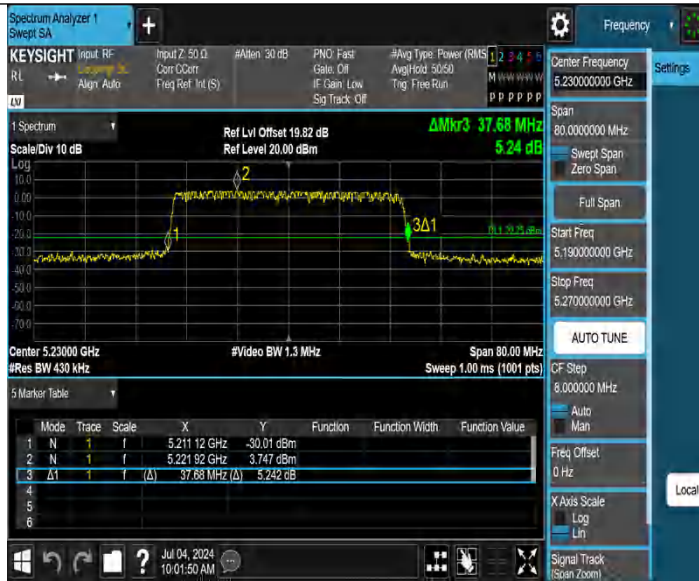
OTHER_Ant1_5170



OTHER_Ant1_5200



OTHER_Ant1_5230



5.2GHz SDR, 60MHz BW

Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ant1	5180	54.960	5152.520	5207.480	---	---
	5200	56.640	5171.200	5227.840	---	---
	5220	57.000	5191.200	5248.200	---	---

OTHER_Ant1_5180



OTHER_Ant1_5200



OTHER_Ant1_5220



Prüfbericht - Produkte

Test Report - Products

5.2GHz SDR, 80MHz BW

Antenna	Channel	26Db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ant1	5190	72.160	5153.840	5226.000	---	---
	5200	71.680	5164.160	5235.840	---	---
	5210	72.000	5174.000	5246.000	---	---

OTHER_Ant1_5190



OTHER_Ant1_5200



OTHER_Ant1_5210



Appendix A.5: Test Results of 99% Bandwidth

5.1GHz SDR, 10MHz BW

Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ant1	5157	8.9976	5152.5005	5161.4981	---	---
	5200	9.0167	5195.5057	5204.5224	---	---
	5245	9.0322	5240.5056	5249.5378	---	---

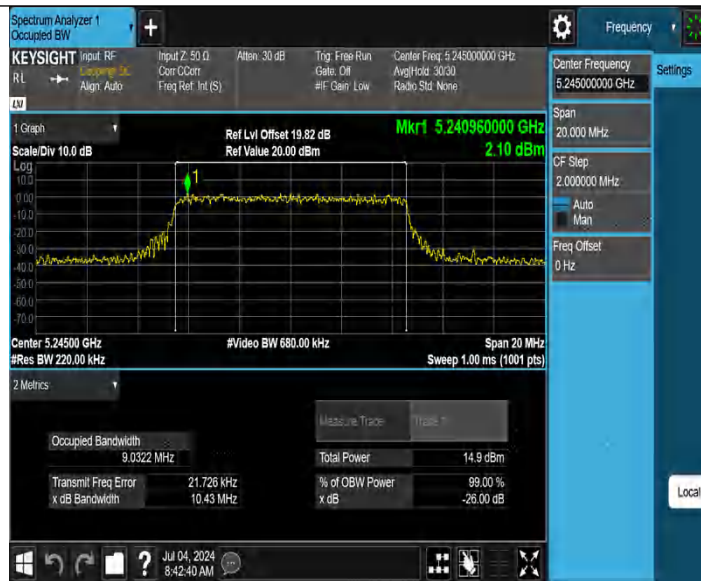
OTHER_Ant1_5157



OTHER_Ant1_5200



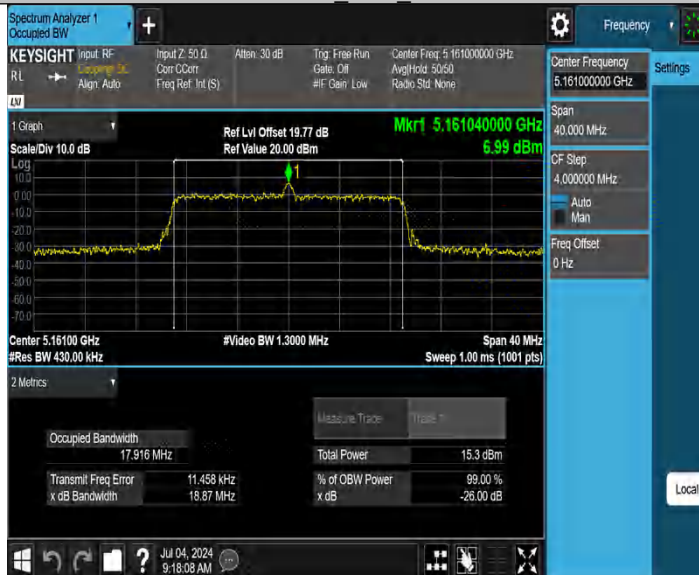
OTHER_Ant1_5245



5.1GHz SDR, 20MHz BW

Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ant1	5161	17.916	5152.0535	5169.9695	---	---
	5200	17.914	5191.0681	5208.9821	---	---
	5240	17.886	5231.0619	5248.9479	---	---

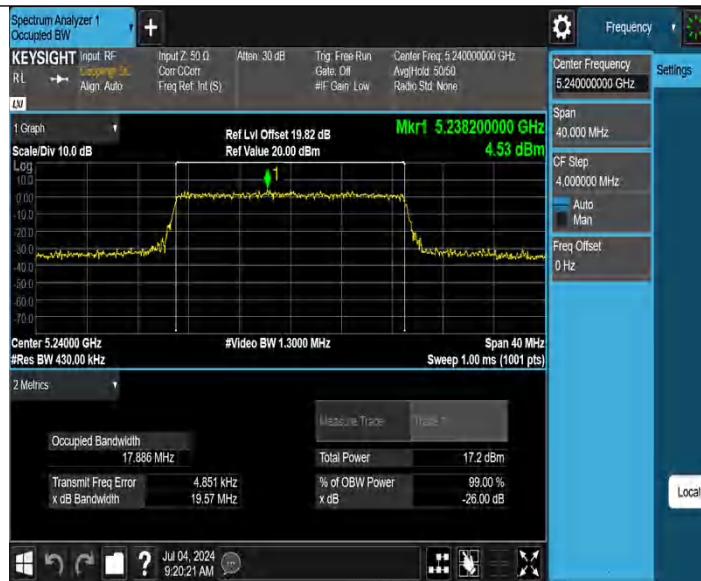
OTHER_Ant1_5161



OTHER_Ant1_5200



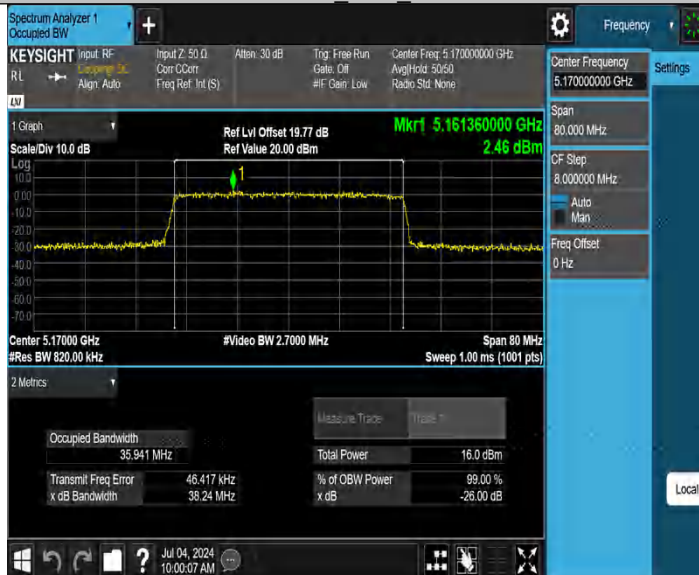
OTHER_Ant1_5240



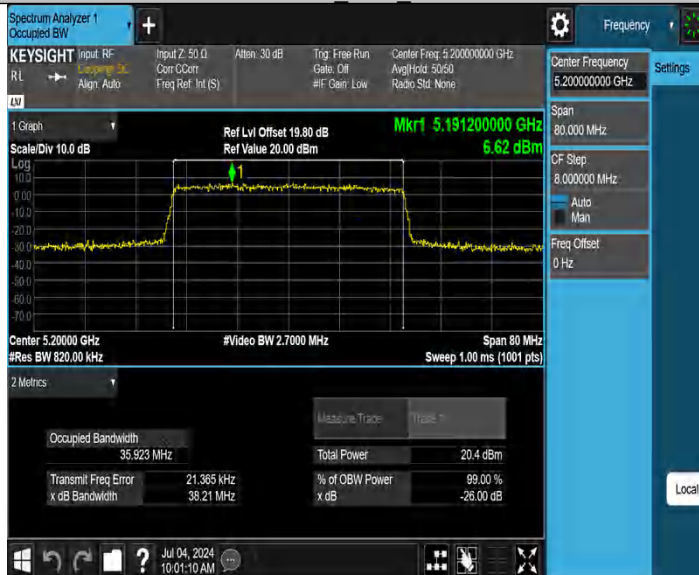
5.1GHz SDR, 40MHz BW

Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ant1	5170	35.941	5152.0759	5188.0169	---	---
	5200	35.923	5182.0599	5217.9829	---	---
	5230	35.873	5212.0431	5247.9161	---	---

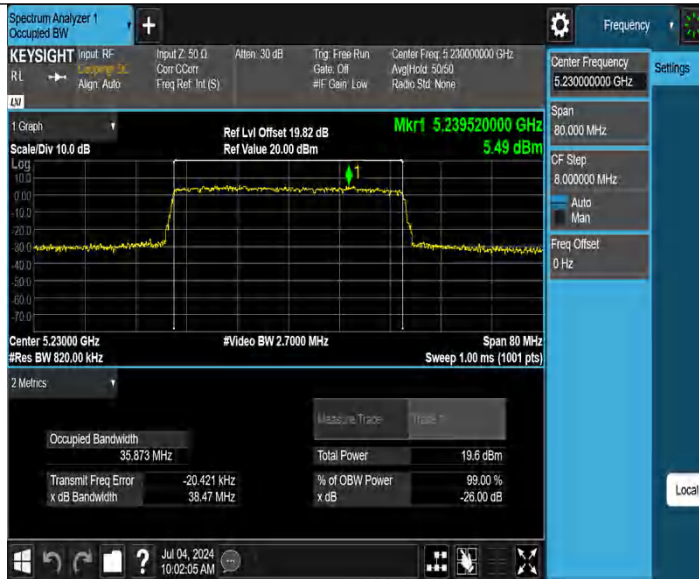
OTHER Ant1 5170



OTHER Ant1 5200



OTHER Ant1 5230



5.2GHz SDR, 60MHz BW

Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ant1	5180	52.466	5153.6109	5206.0769	---	---
	5200	52.425	5173.6848	5226.1098	---	---
	5220	52.238	5193.8018	5246.0398	---	---

OTHER Ant1 5180



OTHER Ant1 5200



OTHER Ant1 5220



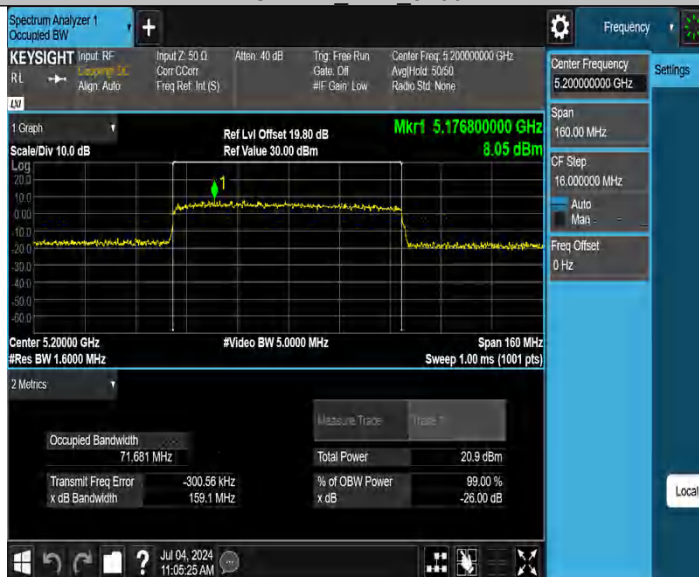
5.2GHz SDR, 80MHz BW

Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Ant1	5190	71.856	5153.9649	5225.8209	---	---
	5200	71.681	5163.8589	5235.5399	---	---
	5210	73.413	5172.4033	5245.8163	---	---

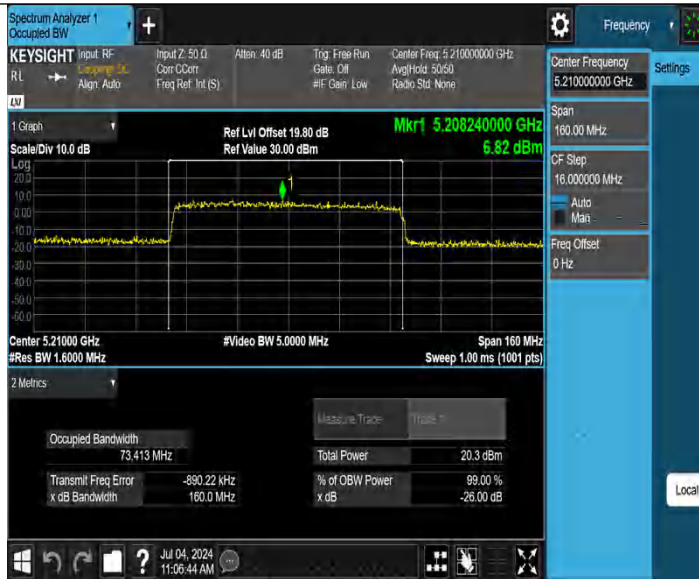
OTHER_Ant1_5190



OTHER_Ant1_5200



OTHER_Ant1_5210



Appendix A.6: Test Results of Radiated Spurious Emissions

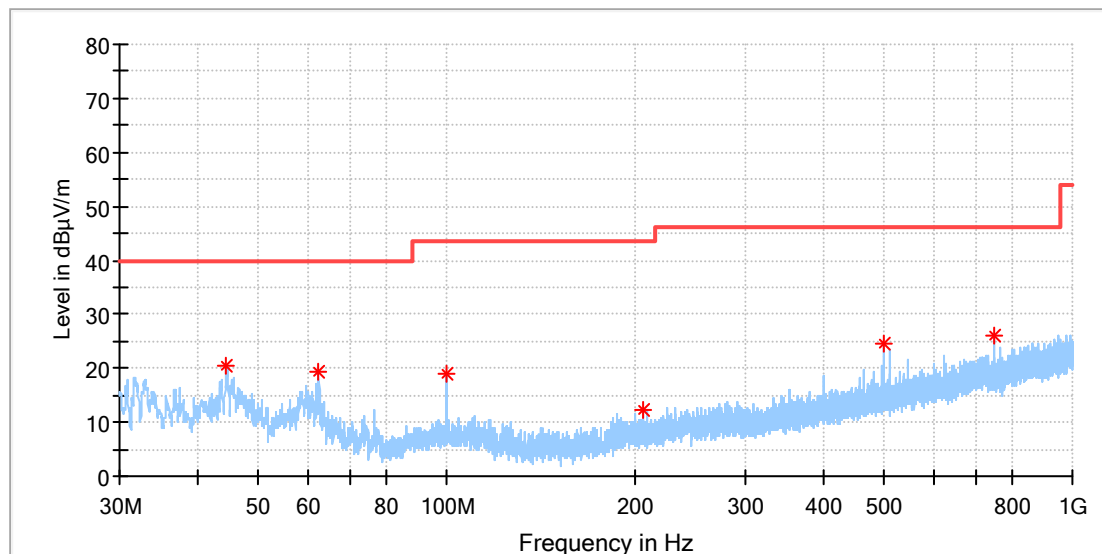
Note:

- 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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_10M_5200MHz
Order No./Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

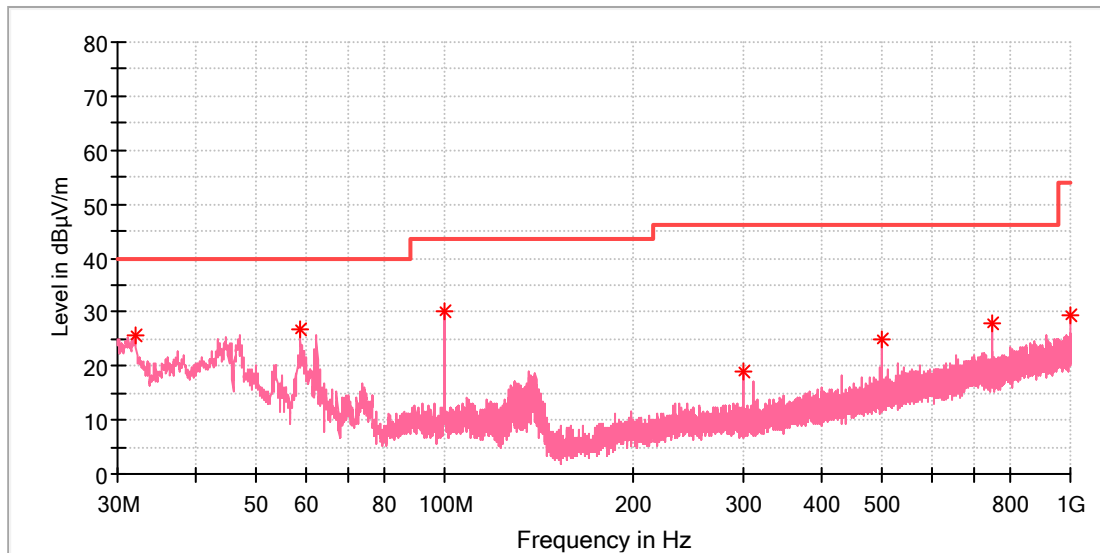
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
44.512692	20.33	40.00	19.67	100.0	H	102.0	-19.2
62.495000	19.50	40.00	20.50	100.0	H	256.0	-19.9
99.989231	18.80	43.50	24.70	100.0	H	182.0	-19.3
206.651923	12.39	43.50	31.11	100.0	H	0.0	-19.2
500.002308	24.73	46.00	21.27	100.0	H	323.0	-12.2
750.001154	26.10	46.00	19.90	100.0	H	0.0	-7.6

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_10M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
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)
31.977308	25.86	40.00	14.14	100.0	V	200.0	-23.0
58.838846	26.86	40.00	13.14	100.0	V	5.0	-19.2
99.989231	30.12	43.50	13.38	100.0	V	168.0	-19.3
299.995769	19.07	46.00	26.93	100.0	V	237.0	-16.6
500.002308	25.05	46.00	20.95	100.0	V	0.0	-12.2
750.038462	28.06	46.00	17.94	100.0	V	33.0	-7.6
1000.000000	29.41	54.00	24.59	100.0	V	352.0	-4.0

Final_Result

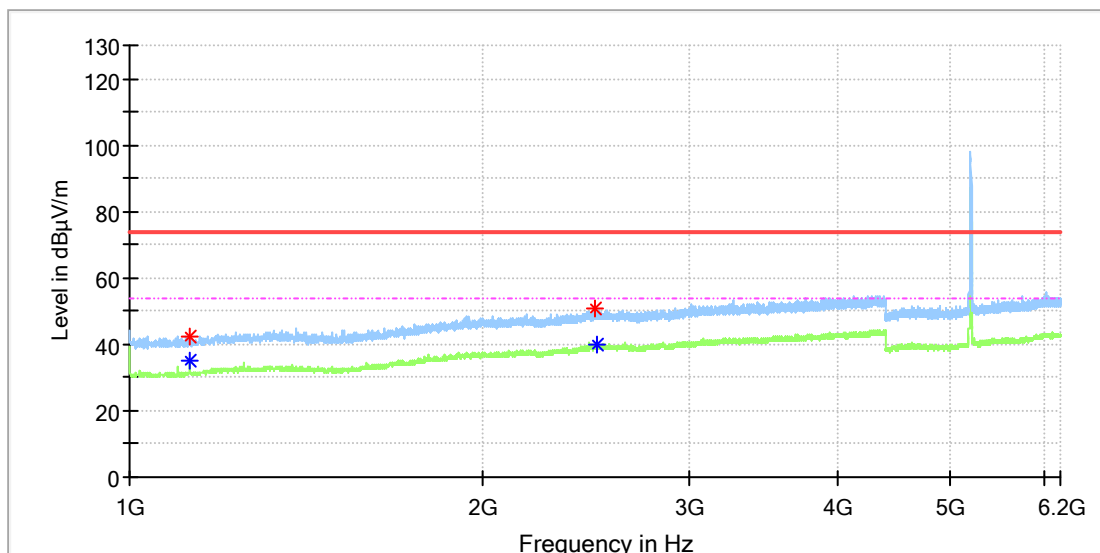
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

Note: The highest waveform in the figure is 5.1GHz SDR Fundamental.

EUT Information

EUT Name:	DJI O4 Relay
Model:	RL02-65
Test Mode:	SDR 5.1G_10M_5200MHz
Order No/Sample No:	168491194/A003754168-004
Test Voltage::	7.2 V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

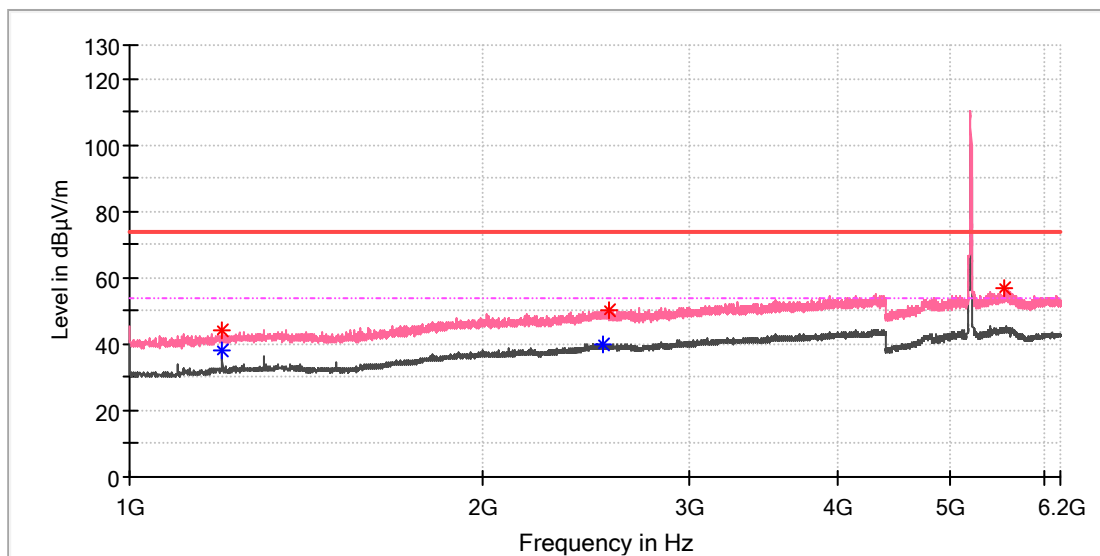
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1123.000000	42.47	---	74.00	31.53	150.0	H	101.0	0.2
1124.500000	---	34.80	54.00	19.20	150.0	H	347.0	0.3
2493.000000	50.87	---	74.00	23.13	150.0	H	233.0	7.4
2496.500000	---	40.01	54.00	13.99	150.0	H	222.0	7.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_10M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

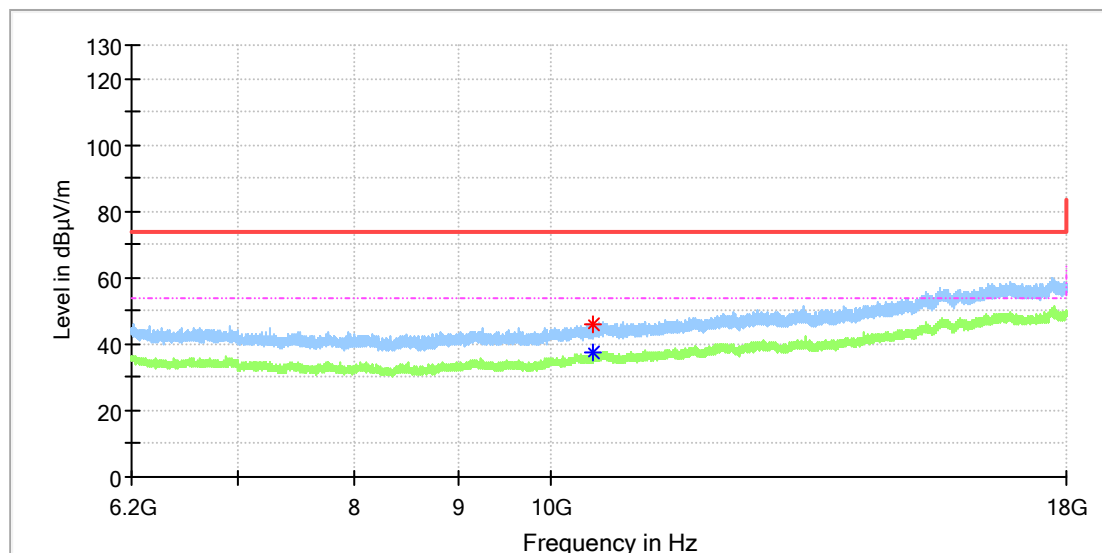
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1200.000000	44.31	---	74.00	29.69	150.0	V	290.0	1.1
1200.000000	---	37.88	54.00	16.12	150.0	V	290.0	1.1
2532.500000	---	40.15	54.00	13.85	150.0	V	321.0	7.5
2558.000000	50.43	---	74.00	23.57	150.0	V	276.0	7.6
5556.000000	56.62	---	68.20	11.58	150.0	V	155.0	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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_10M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

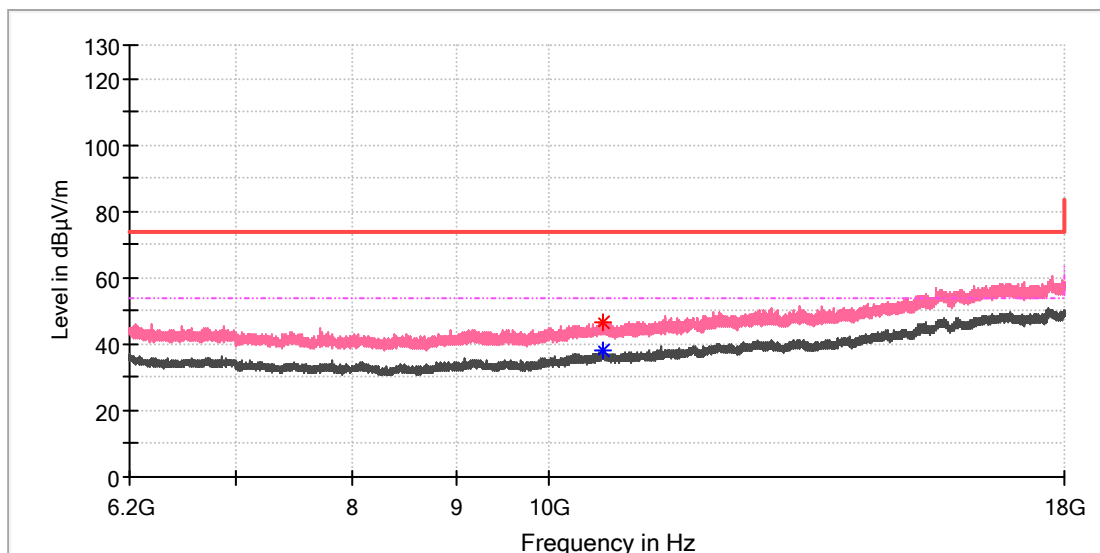
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10498.150000	---	37.69	54.00	16.31	150.0	H	62.0	12.0
10499.133333	45.93	---	74.00	28.07	150.0	H	114.0	12.0

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_10M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

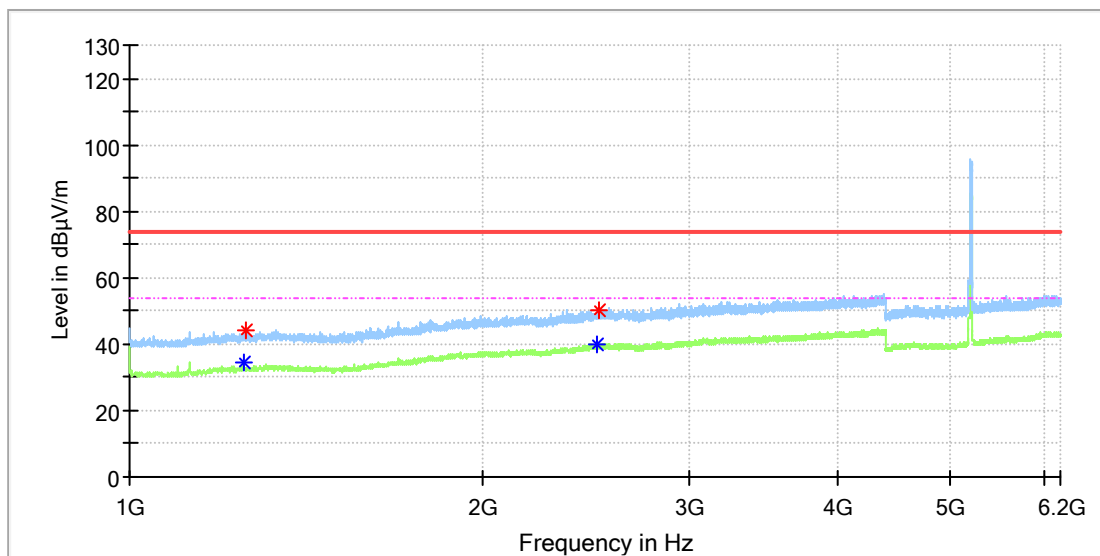
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10636.800000	---	38.27	54.00	15.73	150.0	V	32.0	12.0
10639.750000	46.31	---	74.00	27.69	150.0	V	68.0	12.0

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_20M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

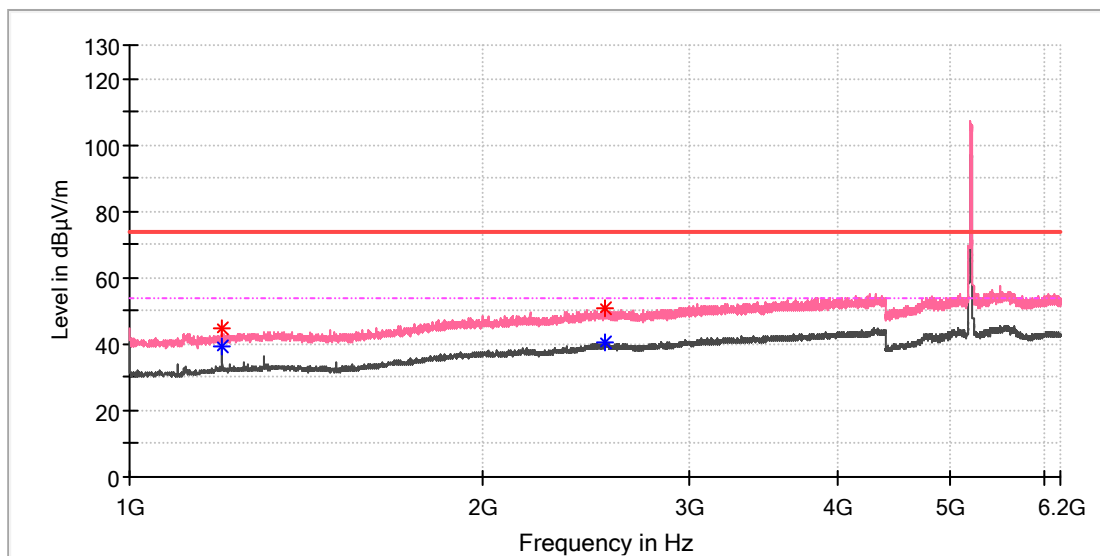
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1250.000000	---	34.43	54.00	19.57	150.0	H	175.0	1.9
1257.500000	44.42	---	74.00	29.58	150.0	H	182.0	1.9
2496.500000	---	40.01	54.00	13.99	150.0	H	188.0	7.4
2506.000000	50.23	---	74.00	23.77	150.0	H	265.0	7.4

Final_Result

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

EUT Information

EUT Name: DJI O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_20M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

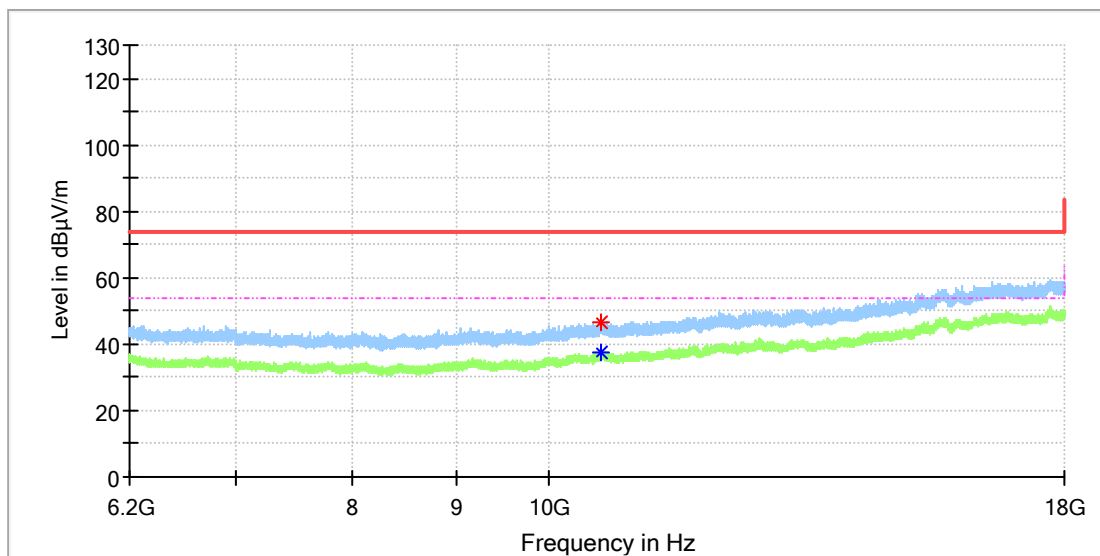
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.500000	44.61	---	74.00	29.39	150.0	V	348.0	1.1
1200.000000	---	39.09	54.00	14.91	150.0	V	191.0	1.1
2536.000000	---	40.28	54.00	13.72	150.0	V	264.0	7.6
2539.000000	50.70	---	74.00	23.30	150.0	V	264.0	7.6

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_20M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

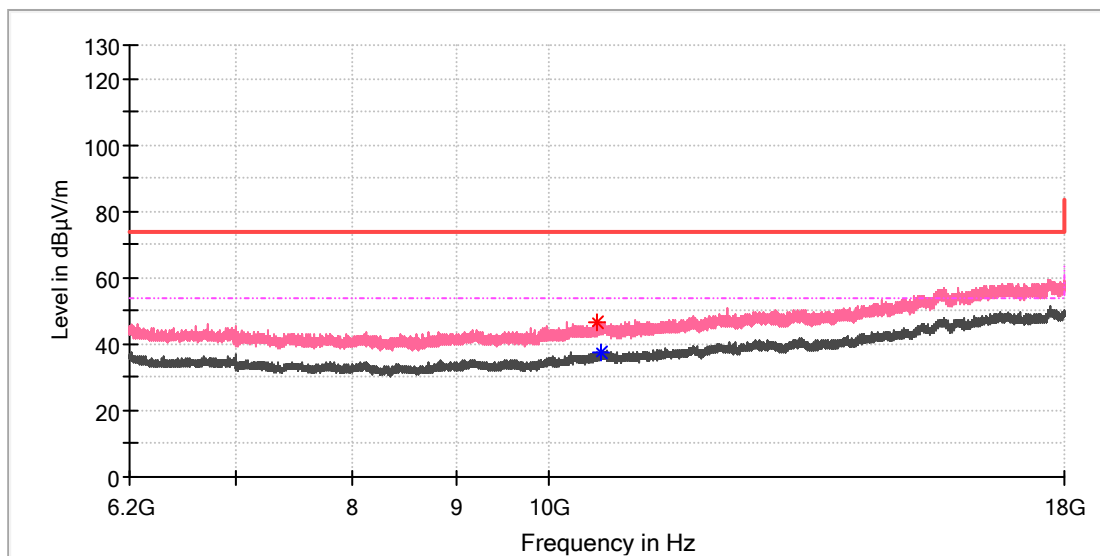
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10611.233333	46.56	---	74.00	27.44	150.0	H	288.0	12.0
10621.066667	---	37.60	54.00	16.40	150.0	H	300.0	12.0

Final_Result

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

EUT Name: DJI O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_20M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

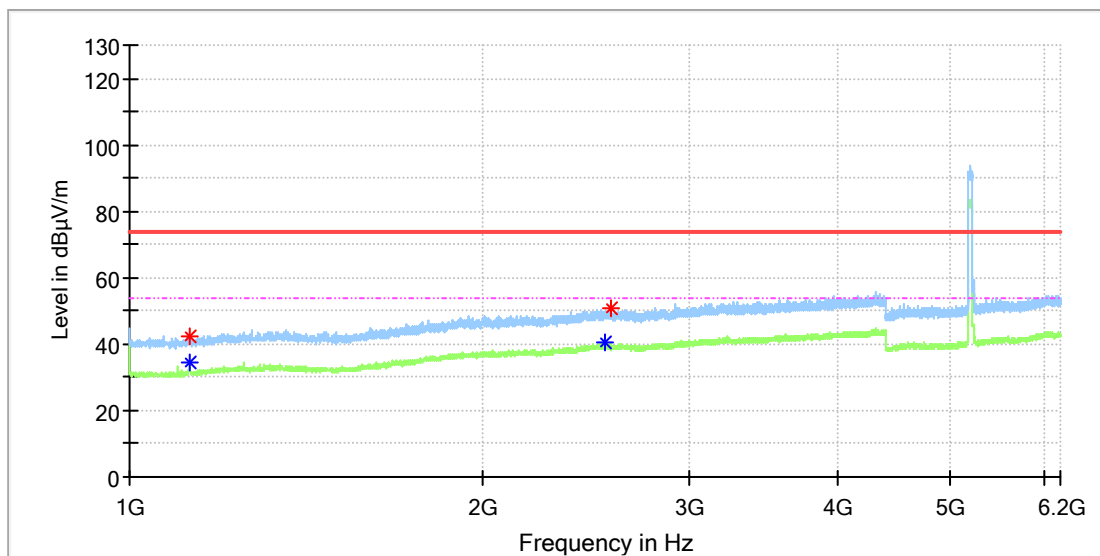
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10563.541667	46.62	---	74.00	27.38	150.0	V	120.0	12.0
10613.691667	---	37.31	54.00	16.69	150.0	V	49.0	12.0

Final_Result

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

EUT Name: DJI O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_40M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

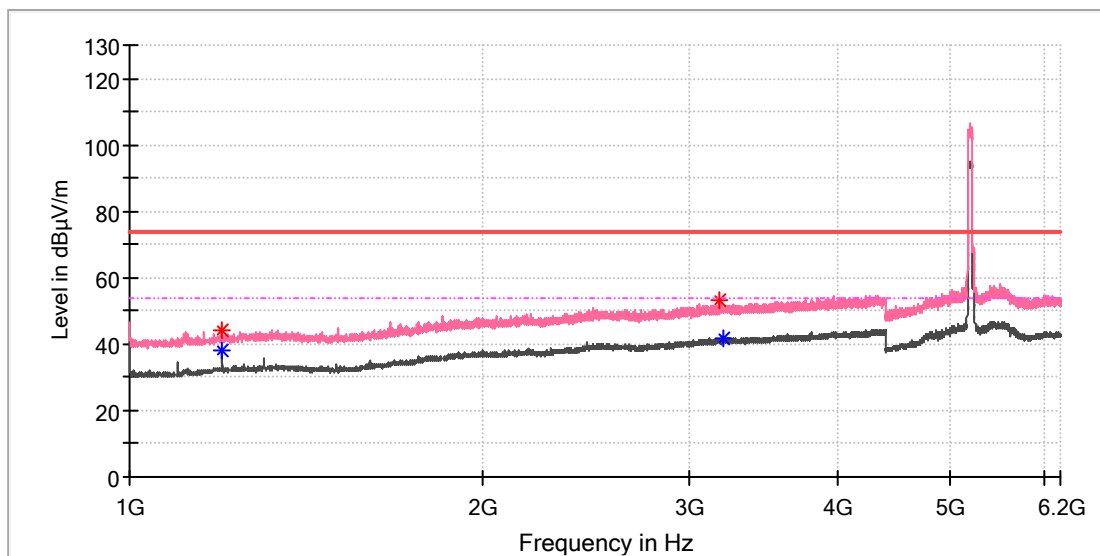
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1124.500000	42.60	---	74.00	31.40	150.0	H	257.0	0.3
1125.000000	---	34.63	54.00	19.37	150.0	H	226.0	0.3
2543.000000	---	40.24	54.00	13.76	150.0	H	199.0	7.6
2566.500000	50.68	---	74.00	23.32	150.0	H	199.0	7.5

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_40M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

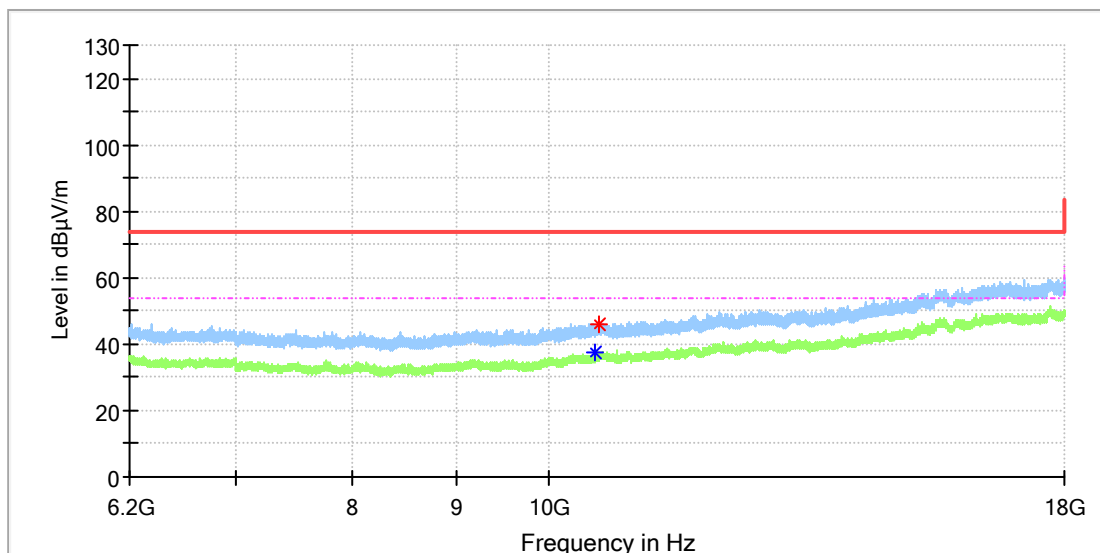
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1200.000000	44.06	---	74.00	29.94	150.0	V	307.0	1.1
1200.000000	---	38.17	54.00	15.83	150.0	V	307.0	1.1
3178.000000	53.29	---	74.00	20.71	150.0	V	324.0	8.6
3201.000000	---	41.88	54.00	12.12	150.0	V	283.0	8.6

Final_Result

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

EUT Name: DJI O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_40M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

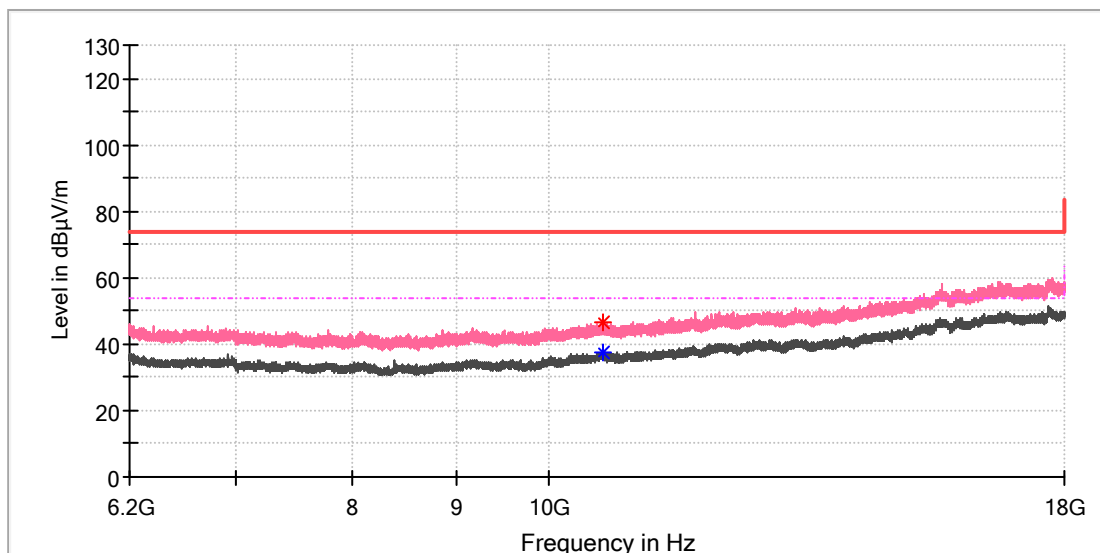
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10549.775000	---	37.73	54.00	16.27	150.0	H	141.0	12.0
10599.925000	46.12	---	74.00	27.88	150.0	H	253.0	12.1

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_40M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

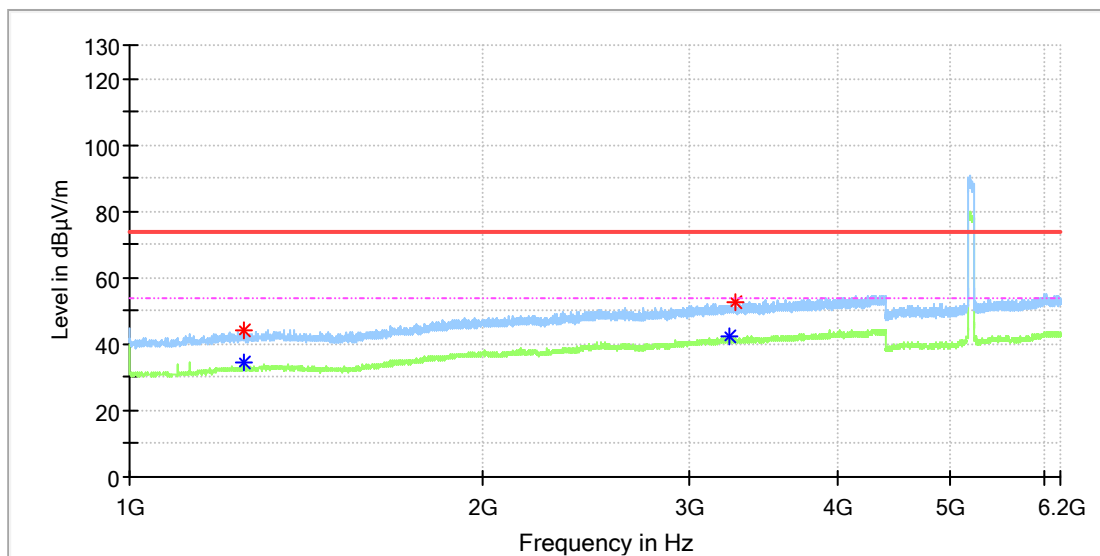
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10625.491667	46.75	---	74.00	27.25	150.0	V	321.0	12.0
10625.491667	---	37.55	54.00	16.45	150.0	V	321.0	12.0

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_60M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

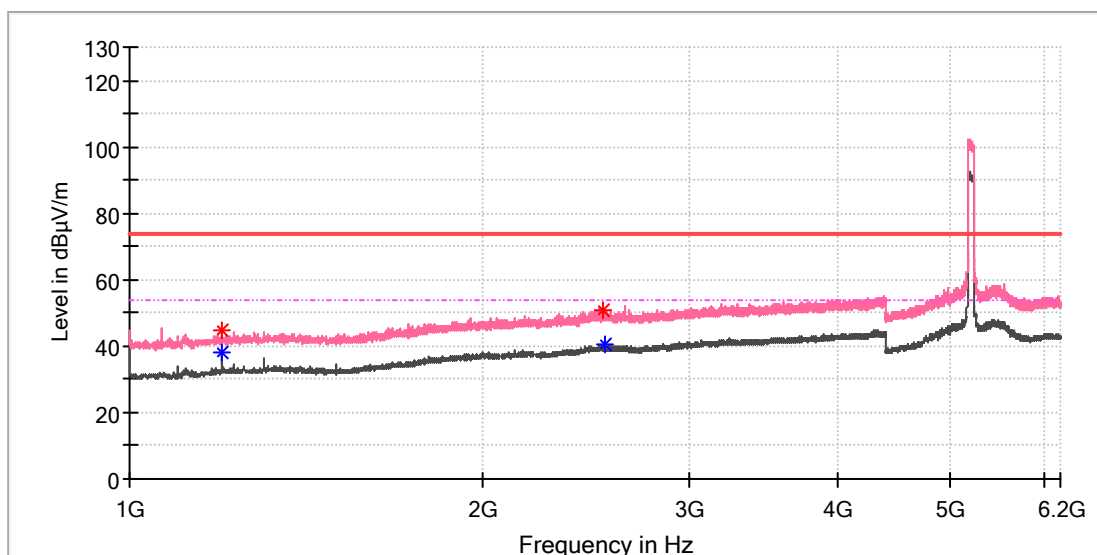
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1249.500000	---	34.29	54.00	19.71	150.0	H	242.0	1.9
1250.000000	44.12	---	74.00	29.88	150.0	H	242.0	1.9
3237.000000	---	42.19	54.00	11.81	150.0	H	276.0	8.5
3283.000000	52.54	---	74.00	21.46	150.0	H	0.0	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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_60M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

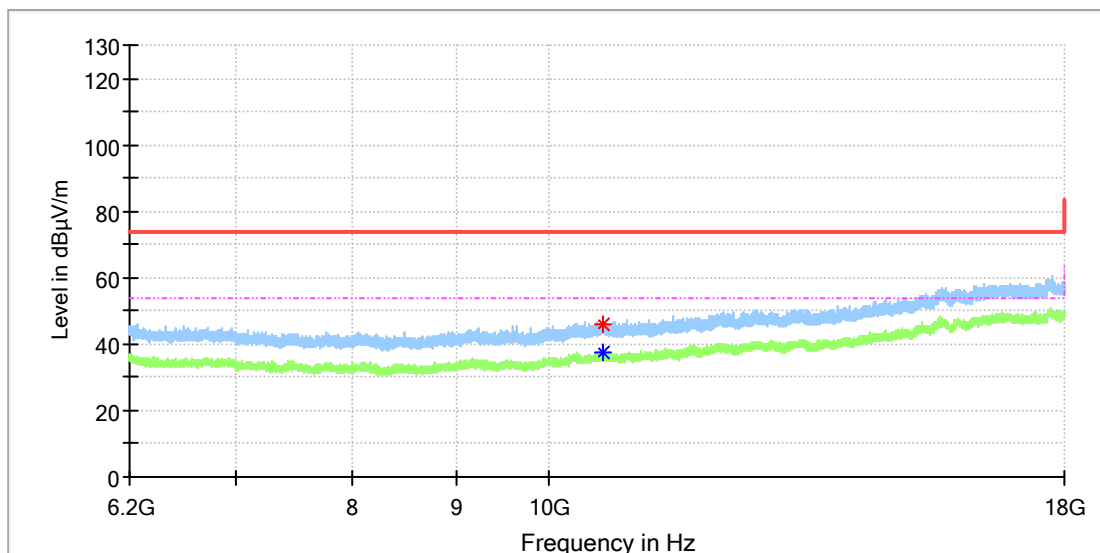
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.500000	44.47	---	74.00	29.53	150.0	V	328.0	1.1
1199.500000	---	38.21	54.00	15.79	150.0	V	328.0	1.1
2531.500000	50.86	---	74.00	23.14	150.0	V	302.0	7.5
2543.500000	---	40.35	54.00	13.65	150.0	V	64.0	7.6

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_60M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

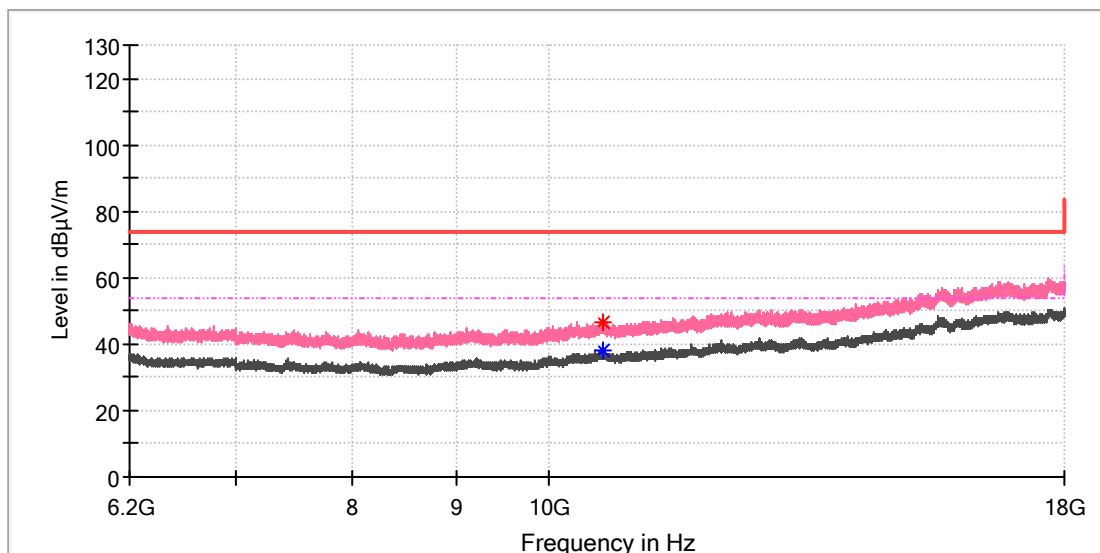
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10642.700000	---	37.55	54.00	16.45	150.0	H	331.0	12.0
10646.633333	46.25	---	74.00	27.75	150.0	H	212.0	12.0

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_60M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

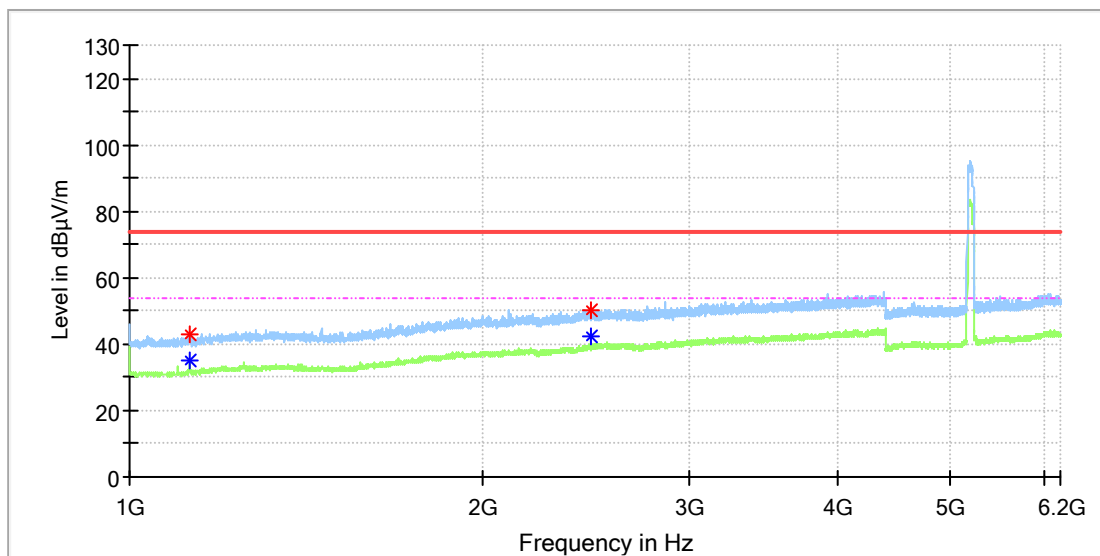
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10631.883333	---	38.10	54.00	15.90	150.0	V	0.0	12.0
10633.358333	46.57	---	74.00	27.43	150.0	V	355.0	12.0

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_80M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

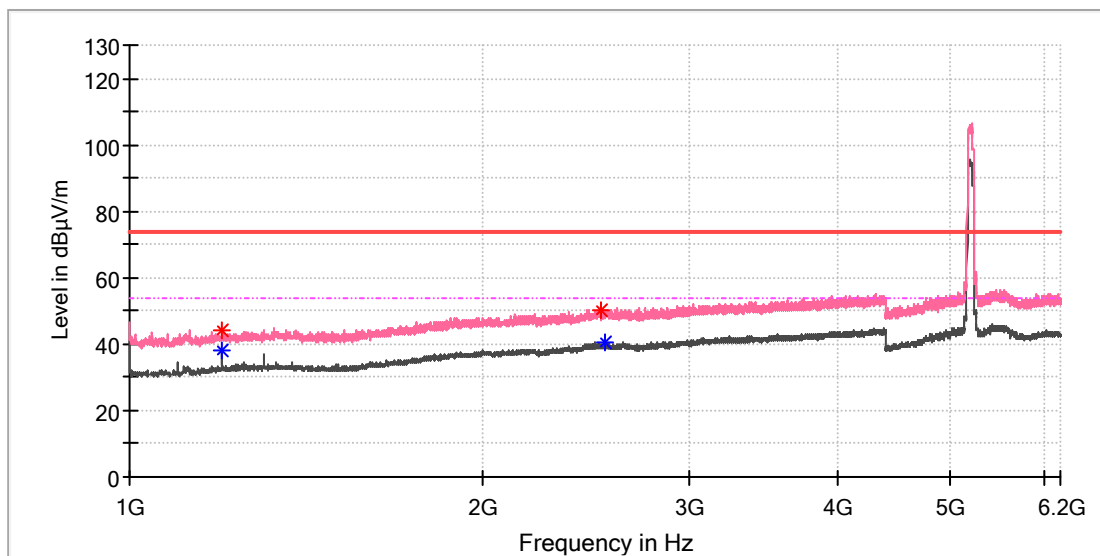
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1124.500000	42.76	---	74.00	31.24	150.0	H	166.0	0.3
1124.500000	---	34.89	54.00	19.11	150.0	H	166.0	0.3
2473.000000	50.49	---	74.00	23.51	150.0	H	22.0	7.4
2473.000000	---	42.24	54.00	11.76	150.0	H	22.0	7.4

Final_Result

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

EUT Information

EUT Name: DJI O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_80M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

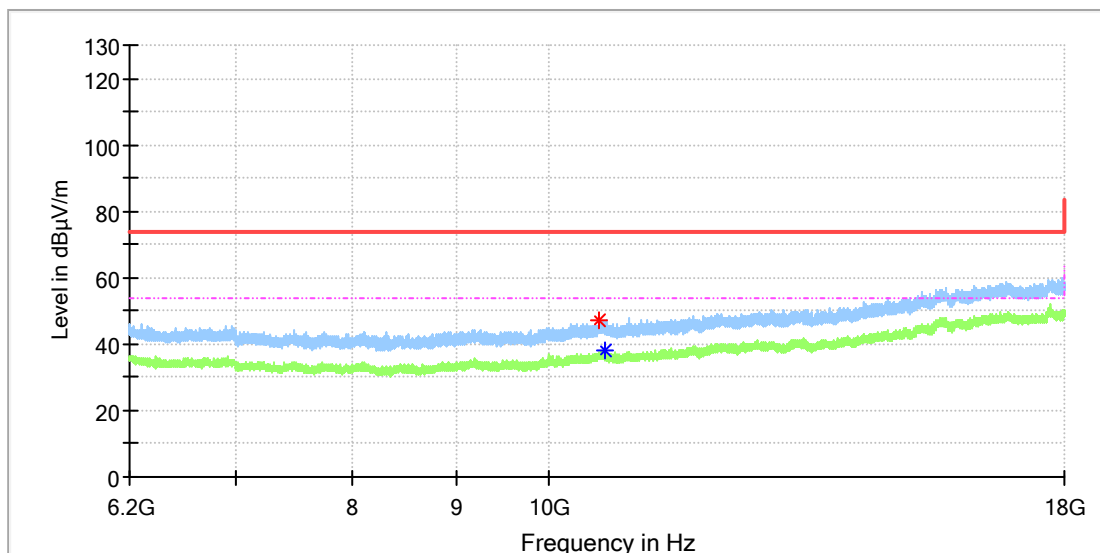
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1200.000000	44.08	---	74.00	29.92	150.0	V	335.0	1.1
1200.000000	---	38.39	54.00	15.61	150.0	V	335.0	1.1
2516.000000	50.33	---	74.00	23.67	150.0	V	308.0	7.4
2540.500000	---	40.30	54.00	13.70	150.0	V	170.0	7.6

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_80M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

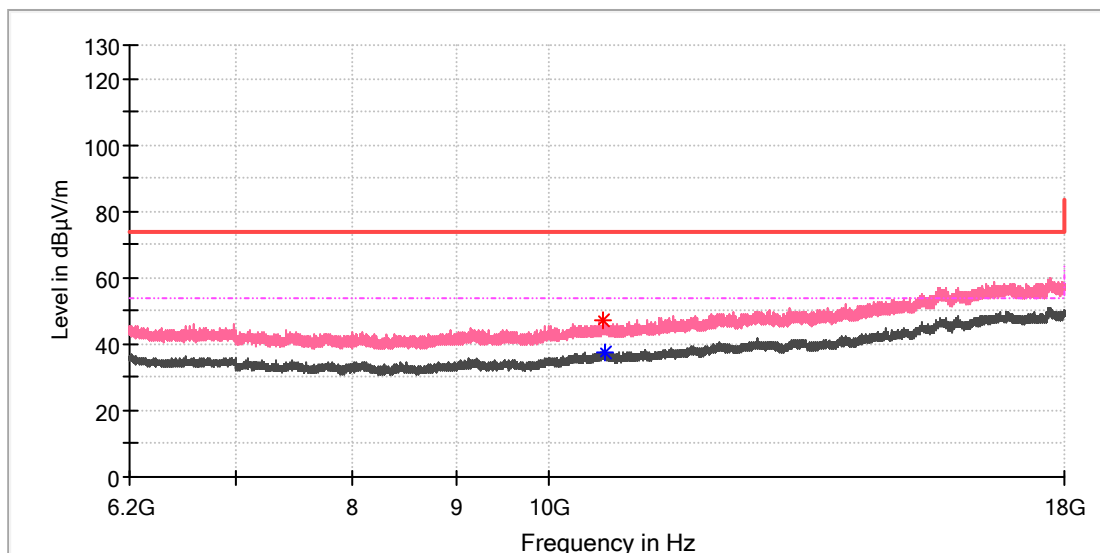
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10591.075000	46.98	---	74.00	27.02	150.0	H	2.0	12.1
10658.433333	---	38.04	54.00	15.96	150.0	H	121.0	12.0

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_80M_5200MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
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)
10625.491667	47.11	---	74.00	26.89	150.0	V	300.0	12.0
10650.075000	---	37.58	54.00	16.42	150.0	V	155.0	12.0

Final_Result

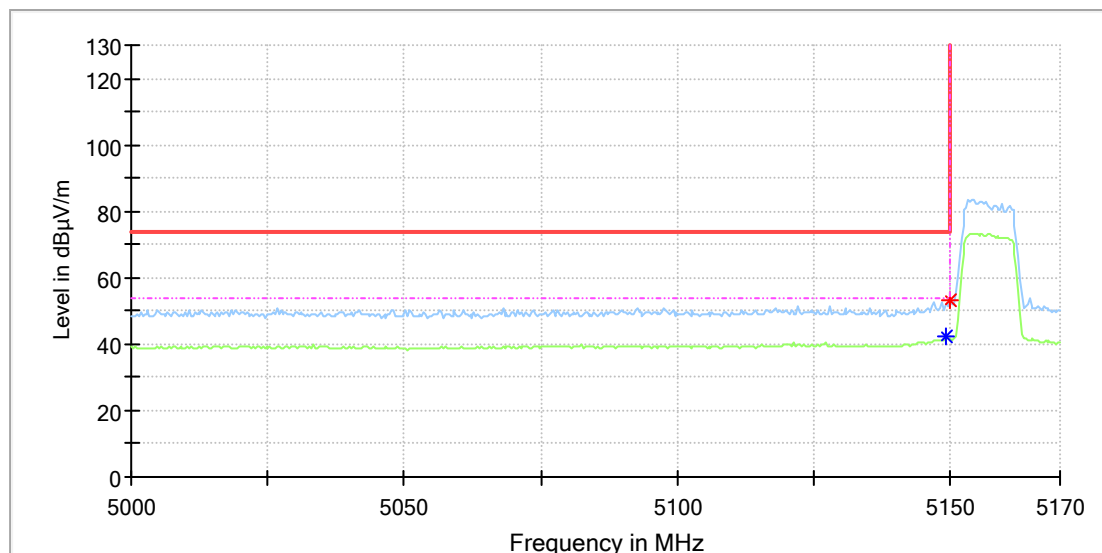
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix A.7: Test Results of Radiated Emissions in Restricted Bands

5.1GHz SDR, 10MHz BW

EUT Information

EUT Name:	DJI O4 Relay
Model:	RL02-65
Test Mode:	SDR 5.1G_10M_5157MHz
Order No/Sample No:	168491194/A003754168-004
Test Voltage::	7.2 V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

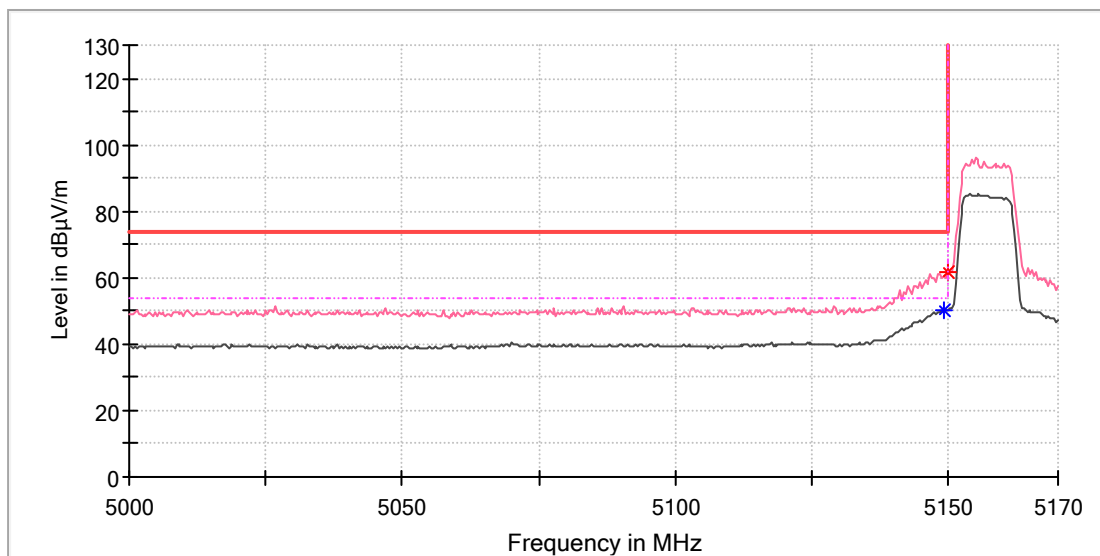
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.972222	---	42.13	54.00	11.87	150.0	H	139.0	12.4
5149.955556	53.08	---	74.00	20.92	150.0	H	184.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_10M_5157MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

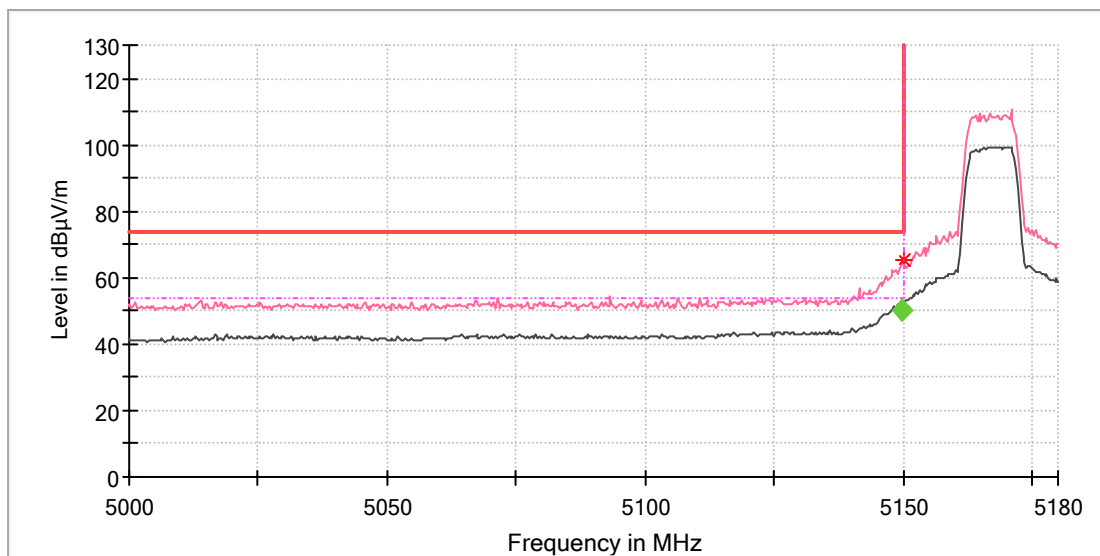
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.972222	---	50.46	54.00	3.54	150.0	V	234.0	12.4
5149.955556	61.88	---	74.00	12.12	150.0	V	170.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_10M_5167MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

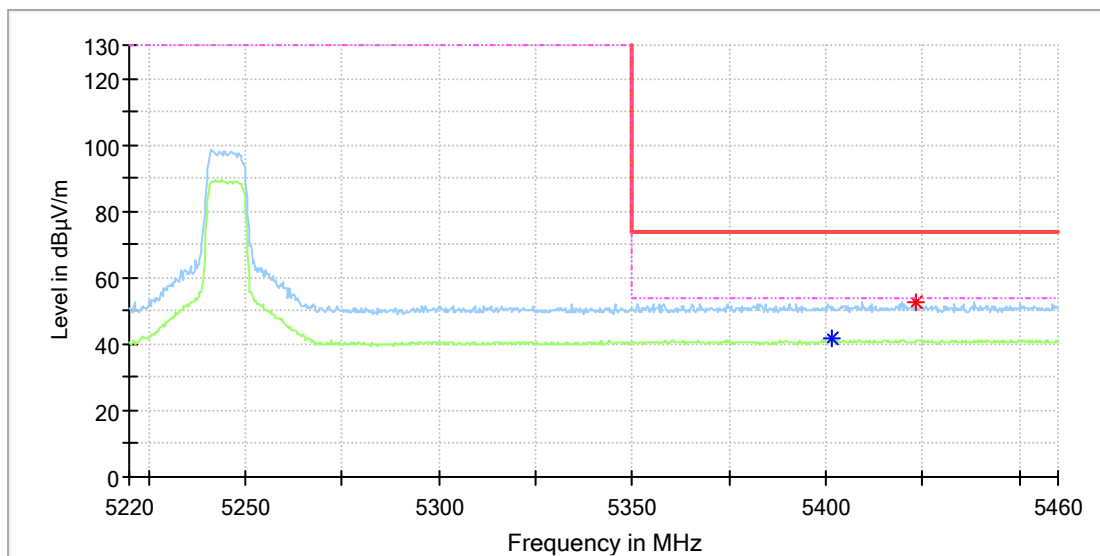
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.955556	65.27	---	74.00	8.73	150.0	V	199.0	12.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.638889	49.91	54.00	4.09	148.0	V	163.0	12.5

EUT Information

EUT Name: DJI O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_10M_5245MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

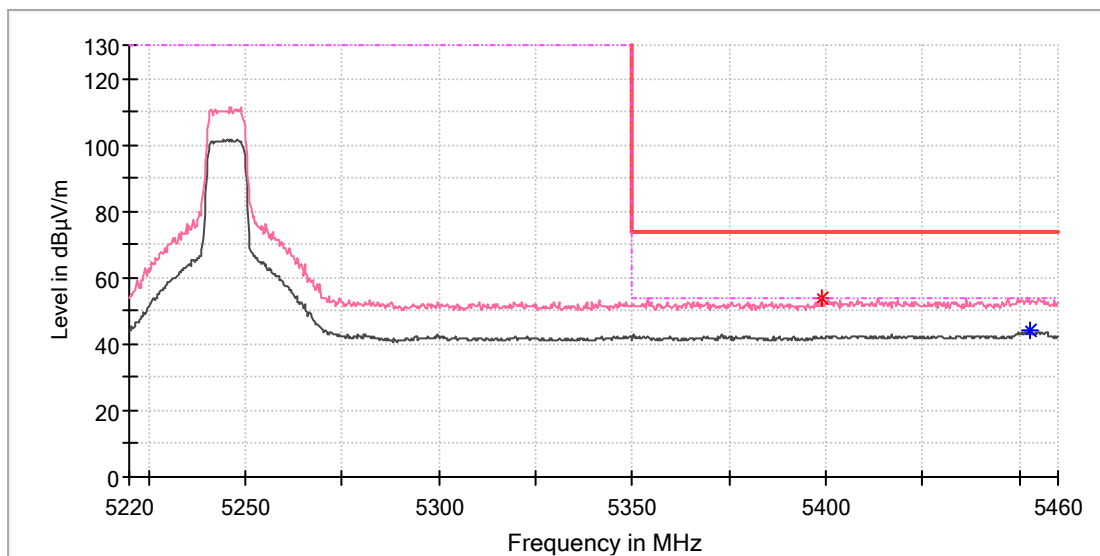
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5401.700000	---	41.52	54.00	12.48	150.0	H	256.0	13.5
5423.194444	52.55	---	74.00	21.45	150.0	H	92.0	13.5

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_10M_5245MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
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)
5398.755556	54.04	---	74.00	19.96	150.0	V	219.0	13.4
5452.933333	---	43.88	54.00	10.12	150.0	V	201.0	13.5

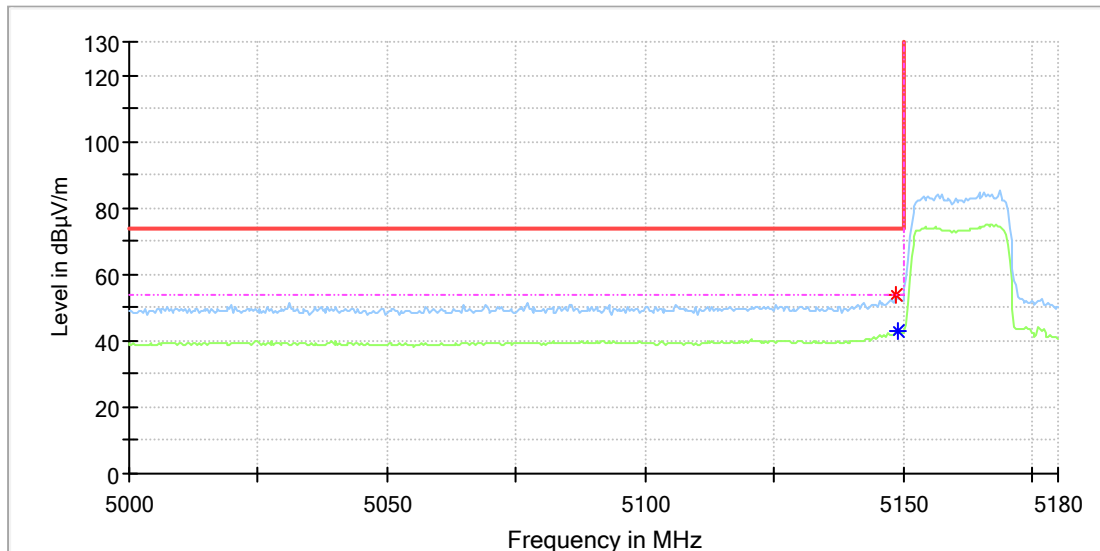
Final_Result

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 O4 Relay
Model:	RL02-65
Test Mode:	SDR 5.1G_20M_5161MHz
Order No/Sample No:	168491194/A003754168-004
Test Voltage::	7.2 V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

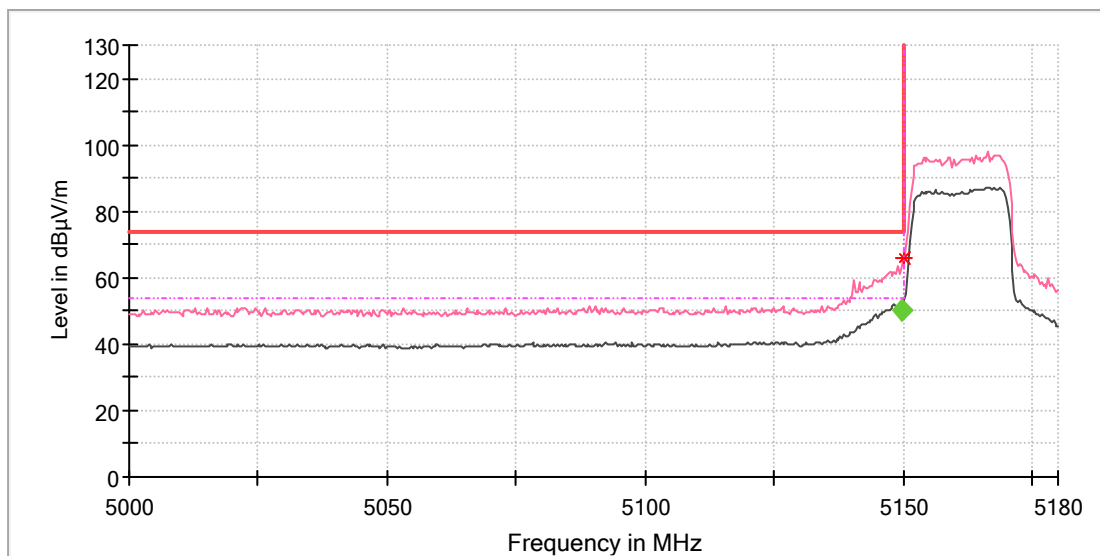
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.644445	53.64	---	74.00	20.37	150.0	H	170.0	12.4
5148.972222	---	42.66	54.00	11.34	150.0	H	176.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_20M_5161MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

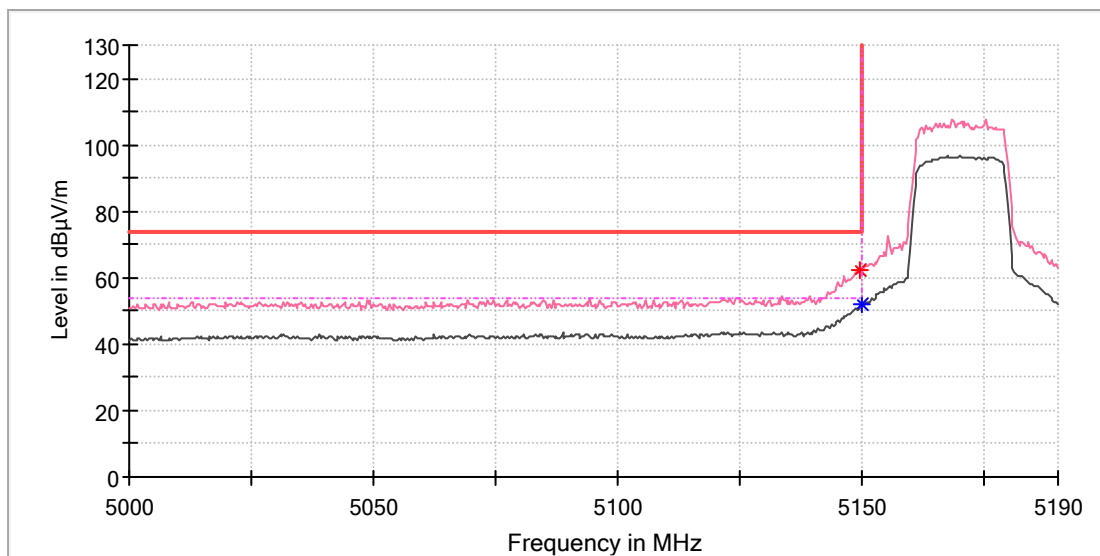
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.955556	65.84	---	74.00	8.16	150.0	V	223.0	12.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.625000	50.25	54.00	3.75	155.0	V	222.0	12.5

EUT Information

EUT Name: DJI O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_20M_5170MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

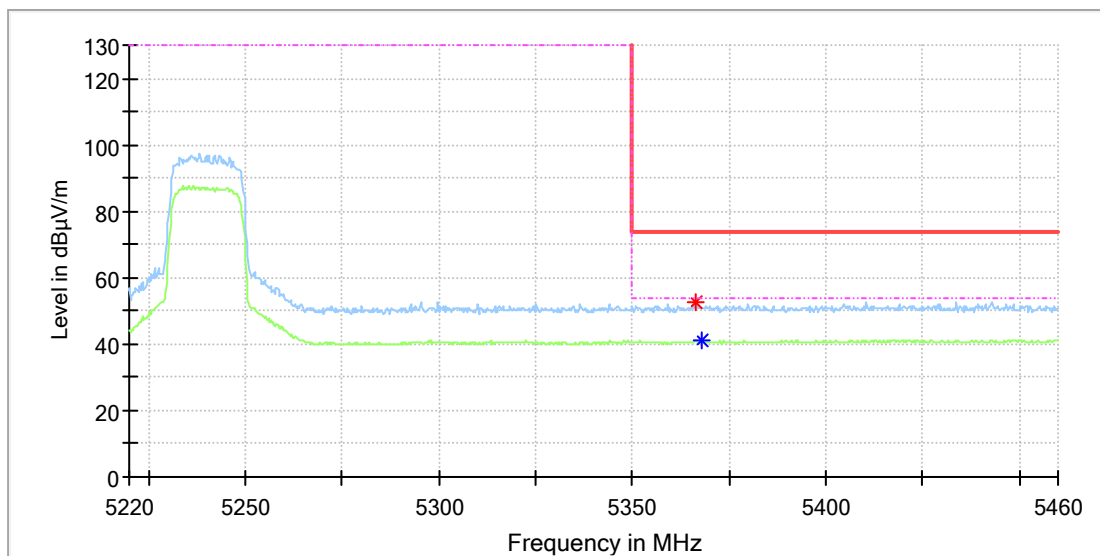
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.627778	62.38	---	74.00	11.62	150.0	V	224.0	12.4
5149.955556	---	51.83	54.00	2.17	150.0	V	224.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_20M_5240MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

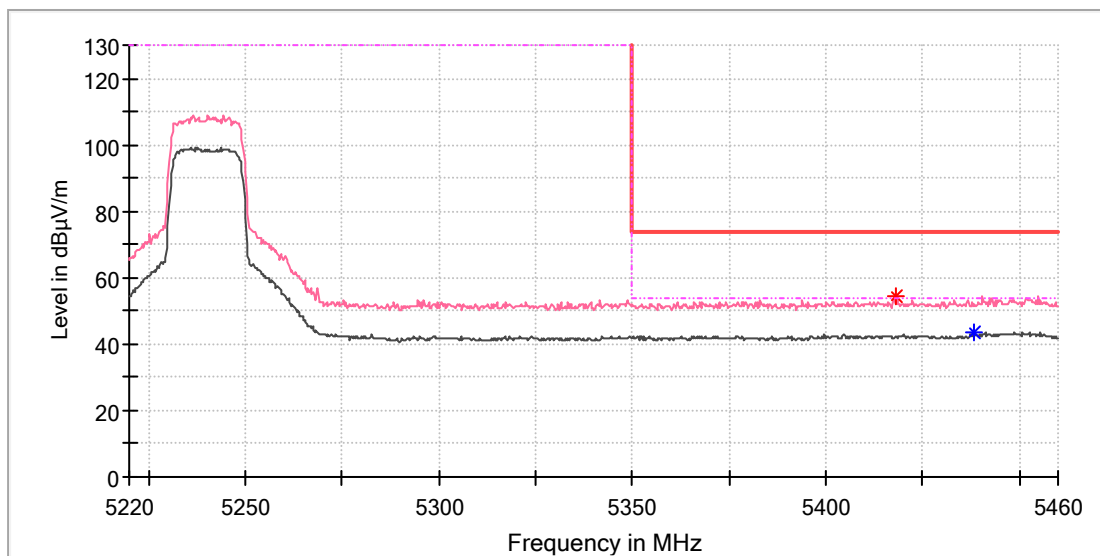
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5366.366667	52.72	---	74.00	21.28	150.0	H	280.0	13.3
5367.838889	---	40.82	54.00	13.18	150.0	H	358.0	13.3

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_20M_5240MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
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)
5418.188889	54.13	---	74.00	19.87	150.0	V	140.0	13.5
5438.211111	---	43.33	54.00	10.67	150.0	V	197.0	13.5

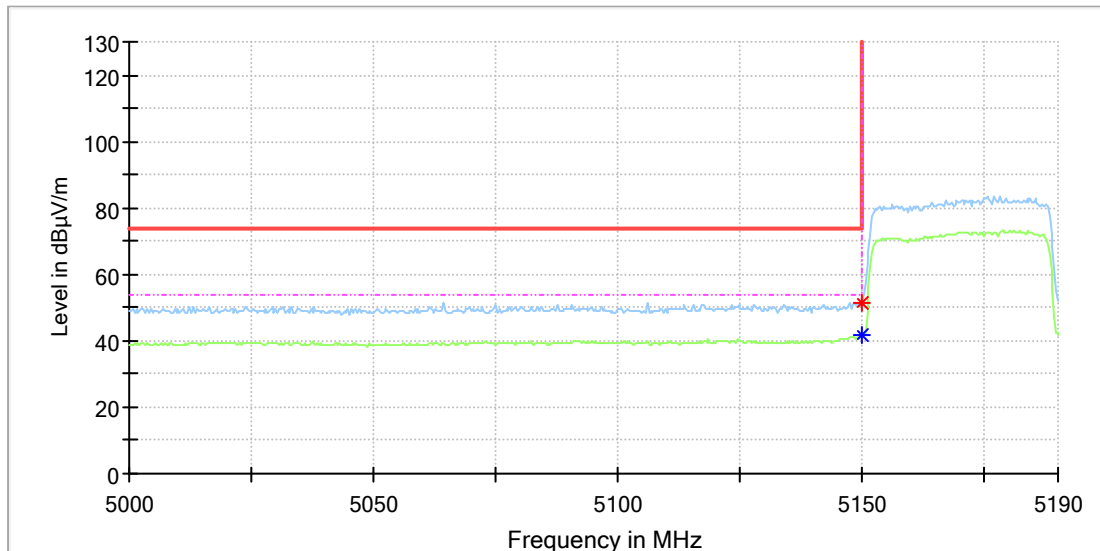
Final_Result

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

5.1GHz SDR, 40MHz BW

EUT Information

EUT Name:	DJI O4 Relay
Model:	RL02-65
Test Mode:	SDR 5.1G_40M_5170MHz
Order No/Sample No:	168491194/A003754168-004
Test Voltage::	7.2 V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

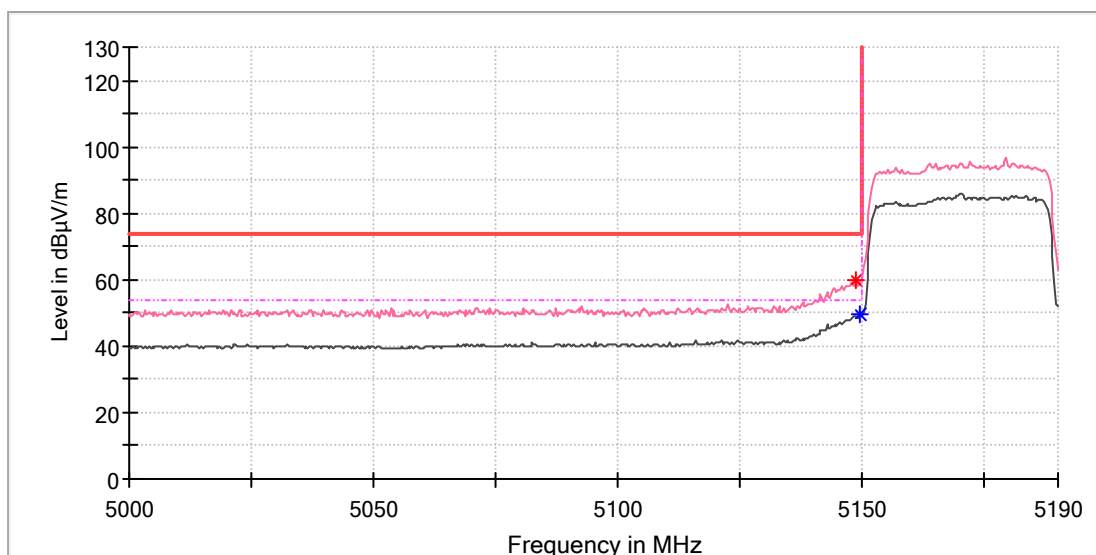
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.955556	---	41.49	54.00	12.51	150.0	H	171.0	12.4
5149.955556	51.61	---	74.00	22.39	150.0	H	171.0	12.4

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 O4 Relay
Model:	RL02-65
Test Mode:	SDR 5.1G_40M_5170MHz
Order No/Sample No:	168491194/A003754168-004
Test Voltage::	7.2 V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

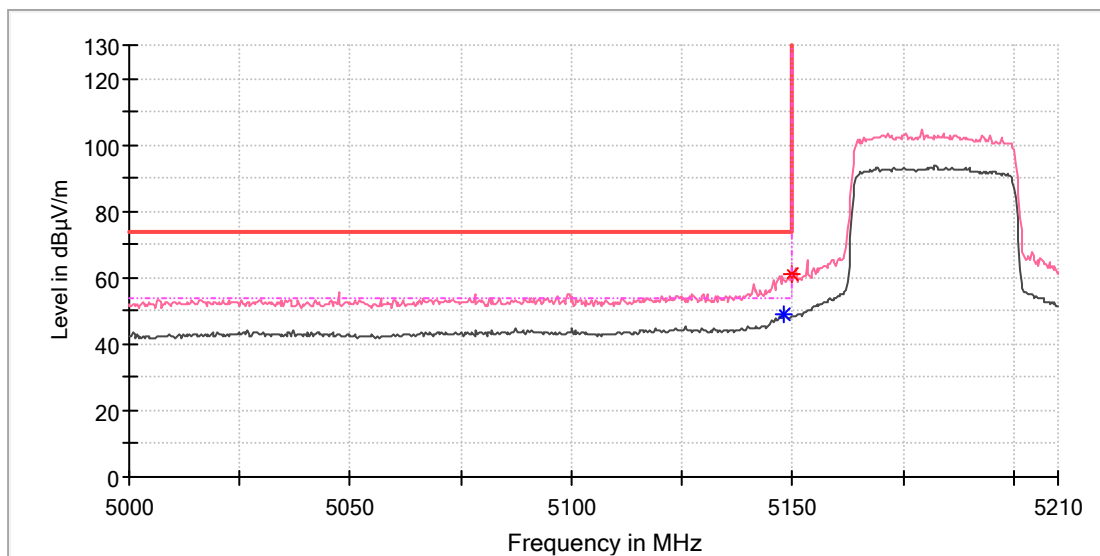
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.644445	60.06	---	74.00	13.94	150.0	V	173.0	12.4
5149.627778	---	49.39	54.00	4.61	150.0	V	173.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_40M_5182MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

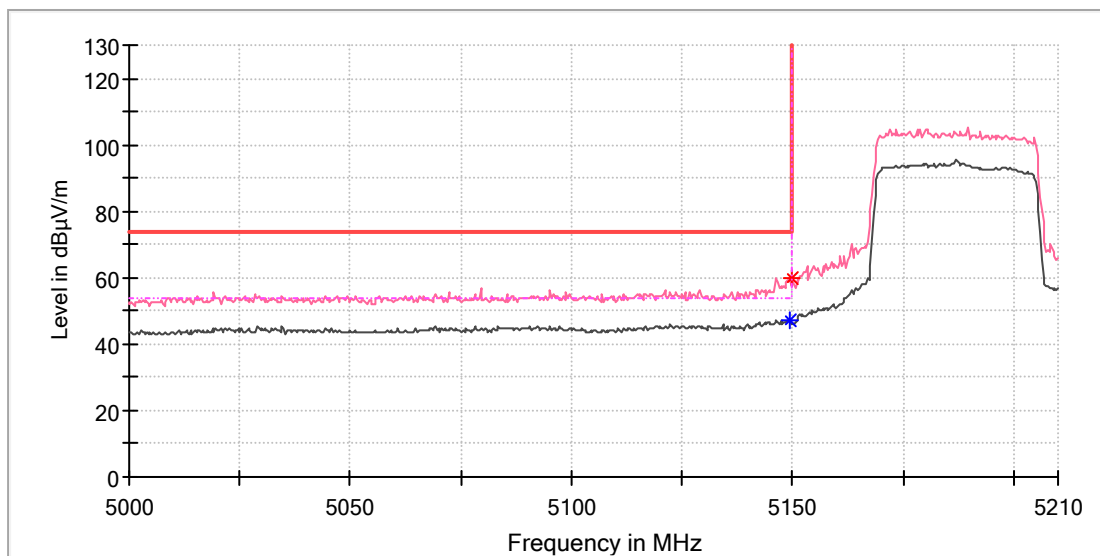
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.988889	---	48.70	54.00	5.30	150.0	V	233.0	12.4
5149.627778	61.28	---	74.00	12.72	150.0	V	169.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_40M_5187MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

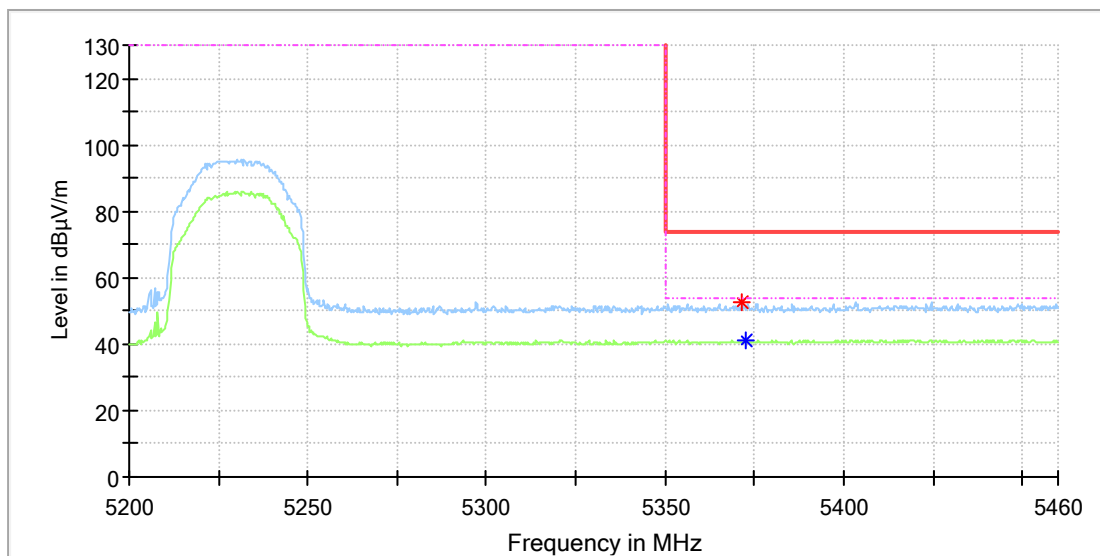
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.300000	---	47.17	54.00	6.83	150.0	V	51.0	12.4
5149.955556	60.10	---	74.00	13.90	150.0	V	164.0	12.4

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 O4 Relay
Model:	RL02-65
Test Mode:	SDR 5.1G_40M_5230MHz
Order No/Sample No:	168491194/A003754168-004
Test Voltage::	7.2 V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

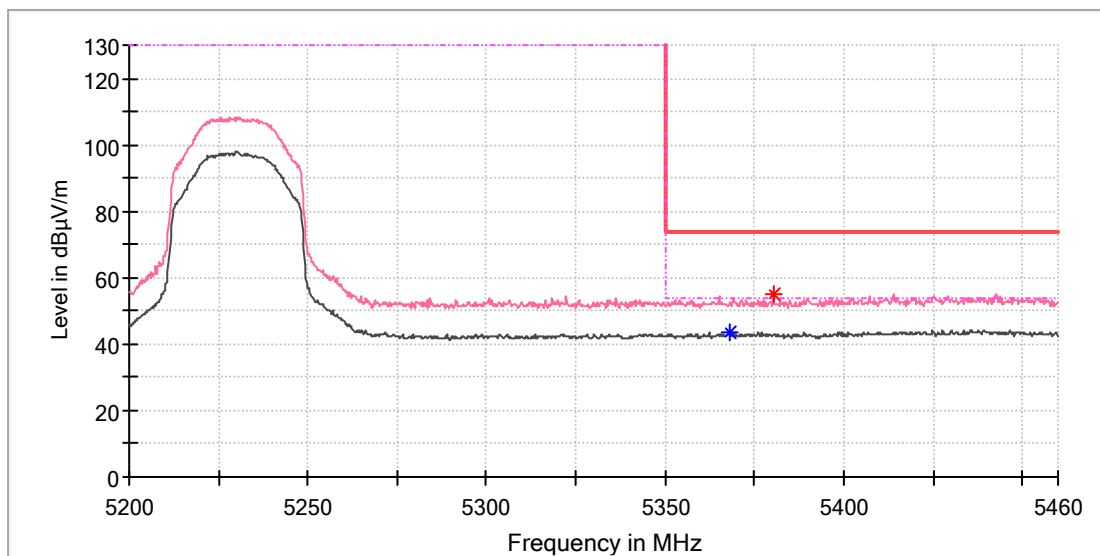
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5371.666667	52.71	---	74.00	21.29	150.0	H	120.0	13.4
5372.844445	---	40.92	54.00	13.08	150.0	H	212.0	13.4

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 O4 Relay
Model:	RL02-65
Test Mode:	SDR 5.1G_40M_5230MHz
Order No/Sample No:	168491194/A003754168-004
Test Voltage::	7.2 V
Remark:	Temp 23 Humi:58%
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)
5368.133333	---	43.32	54.00	10.68	150.0	V	232.0	13.3
5380.205556	54.97	---	74.00	19.03	150.0	V	226.0	13.4

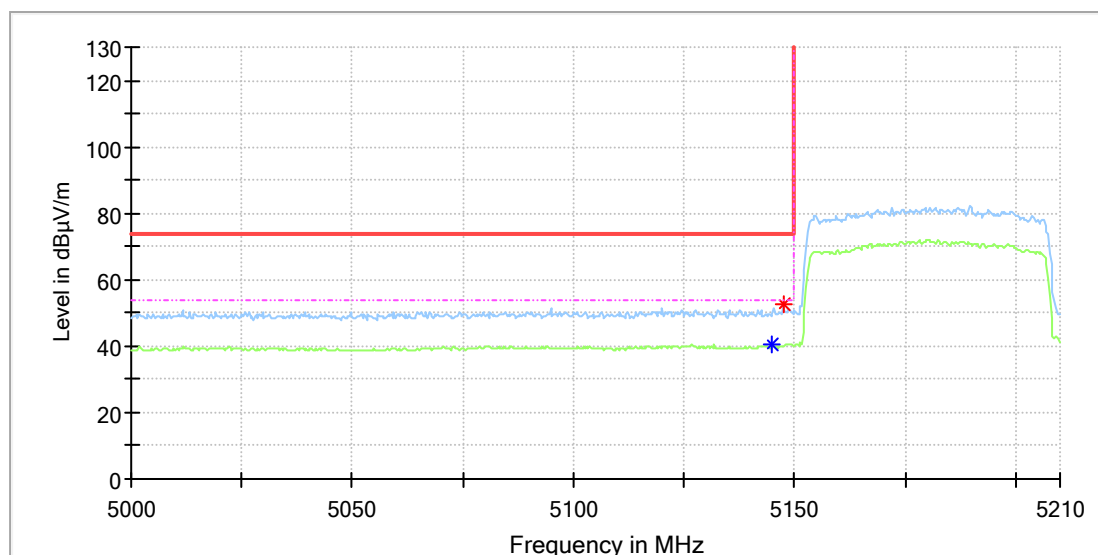
Final_Result

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

5.2GHz SDR, 60MHz BW

EUT Information

EUT Name:	DJI O4 Relay
Model:	RL02-65
Test Mode:	SDR 5.1G_60M_5180MHz
Order No/Sample No:	168491194/A003754168-004
Test Voltage::	7.2 V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

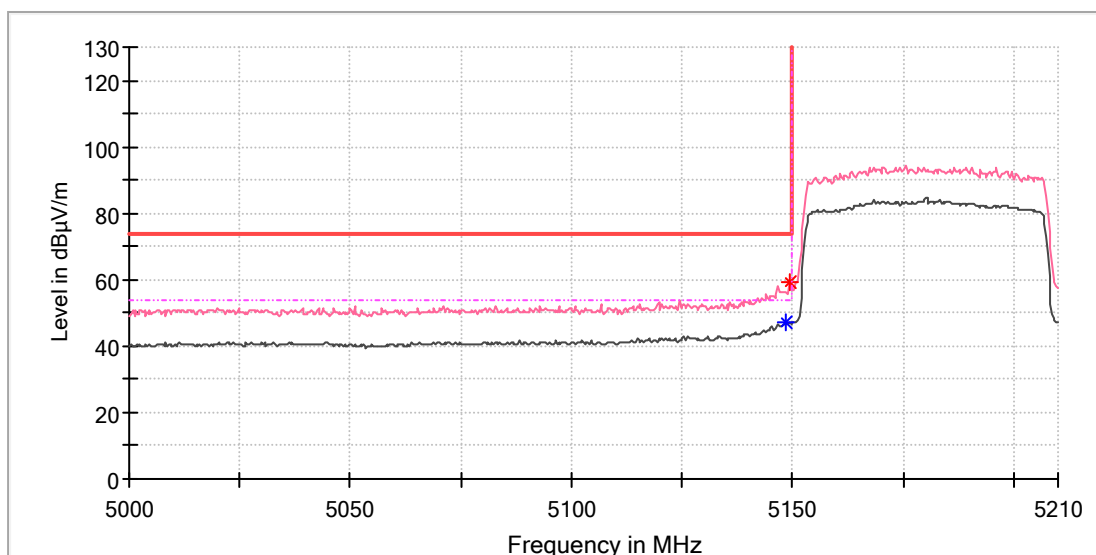
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5145.038889	---	40.40	54.00	13.60	150.0	H	173.0	12.4
5147.333333	52.39	---	74.00	21.61	150.0	H	135.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_60M_5180MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

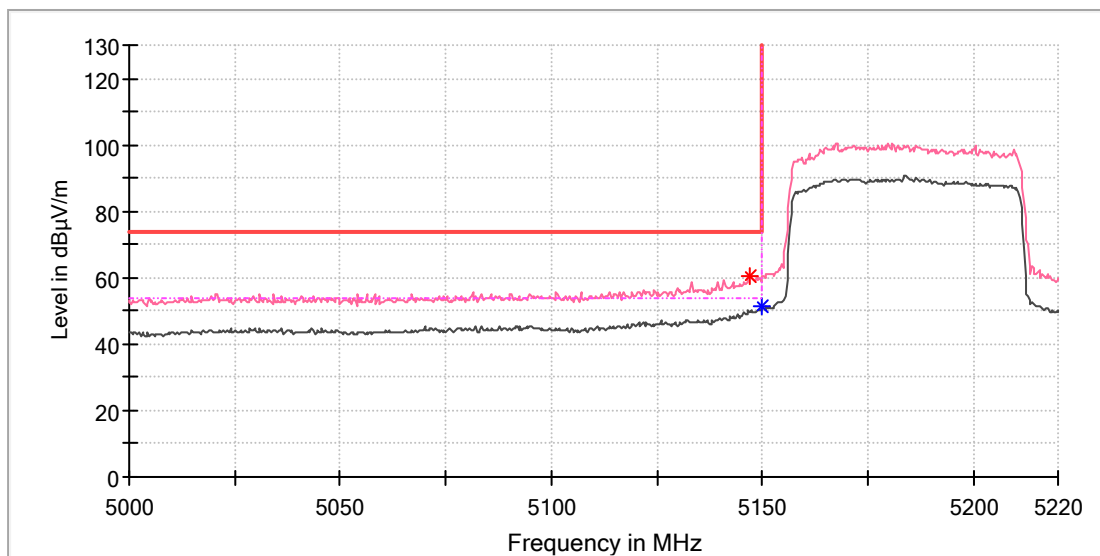
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.644445	---	47.09	54.00	6.91	150.0	V	224.0	12.4
5149.300000	59.39	---	74.00	14.61	150.0	V	219.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_60M_5184MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

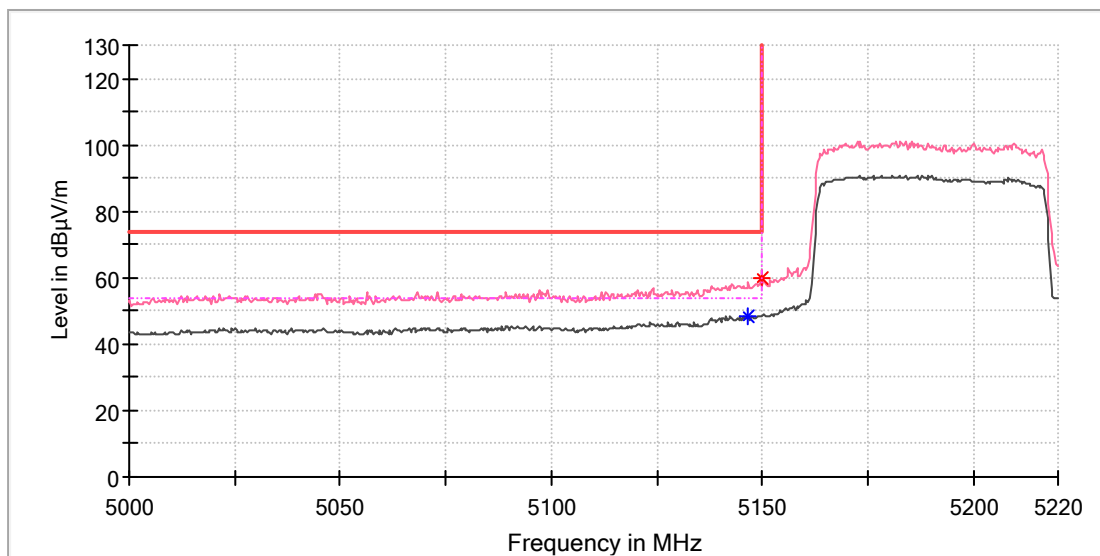
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.005556	60.48	---	74.00	13.52	150.0	V	225.0	12.4
5149.955556	---	51.19	54.00	2.81	150.0	V	219.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_60M_5190MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

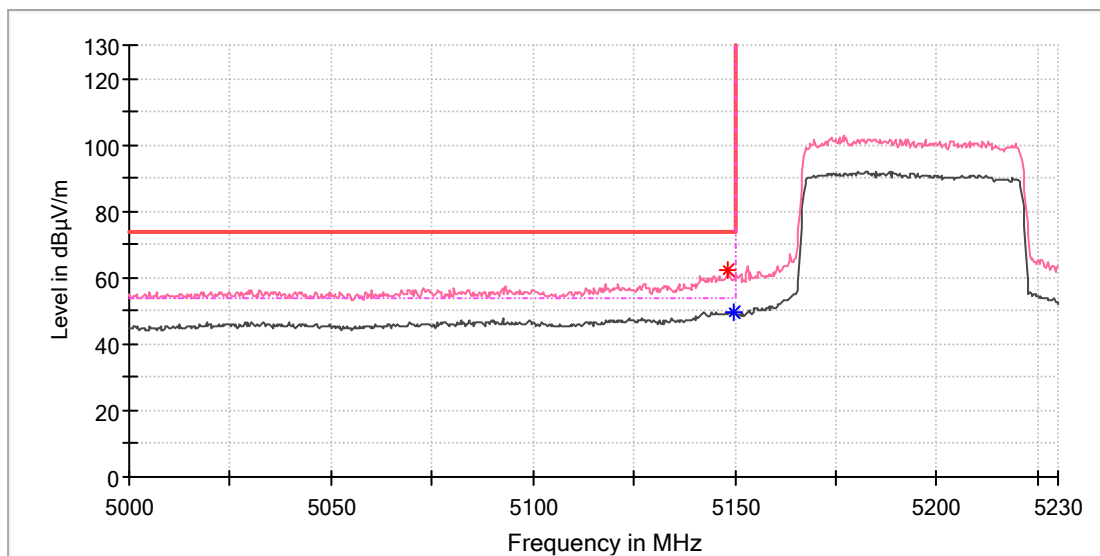
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5146.677778	---	48.64	54.00	5.36	150.0	V	230.0	12.4
5149.627778	59.97	---	74.00	14.03	150.0	V	230.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_60M_5194MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

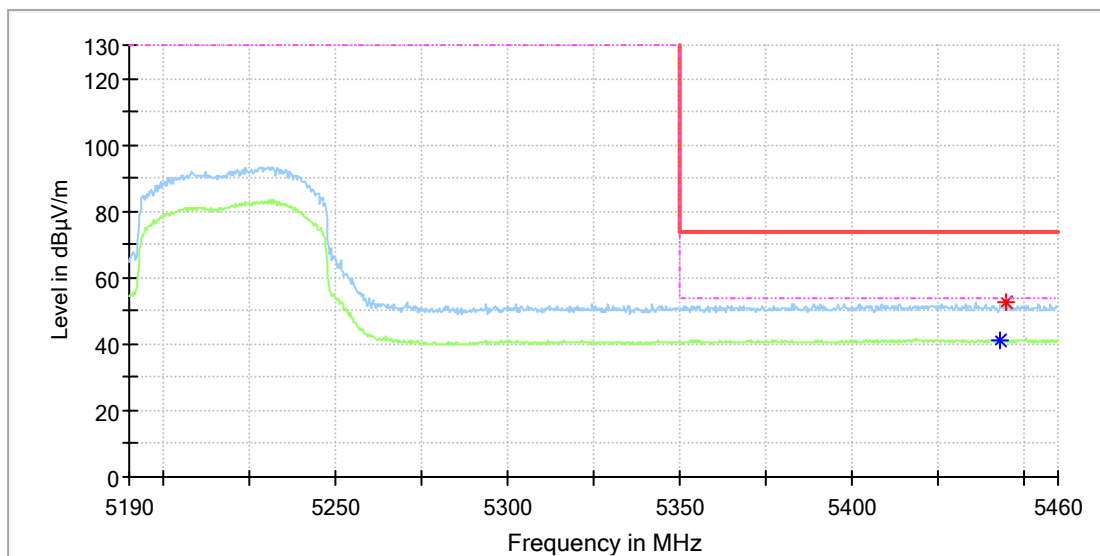
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.316667	62.15	---	74.00	11.85	150.0	V	230.0	12.4
5149.627778	---	49.86	54.00	4.14	150.0	V	187.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_60M_5220MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

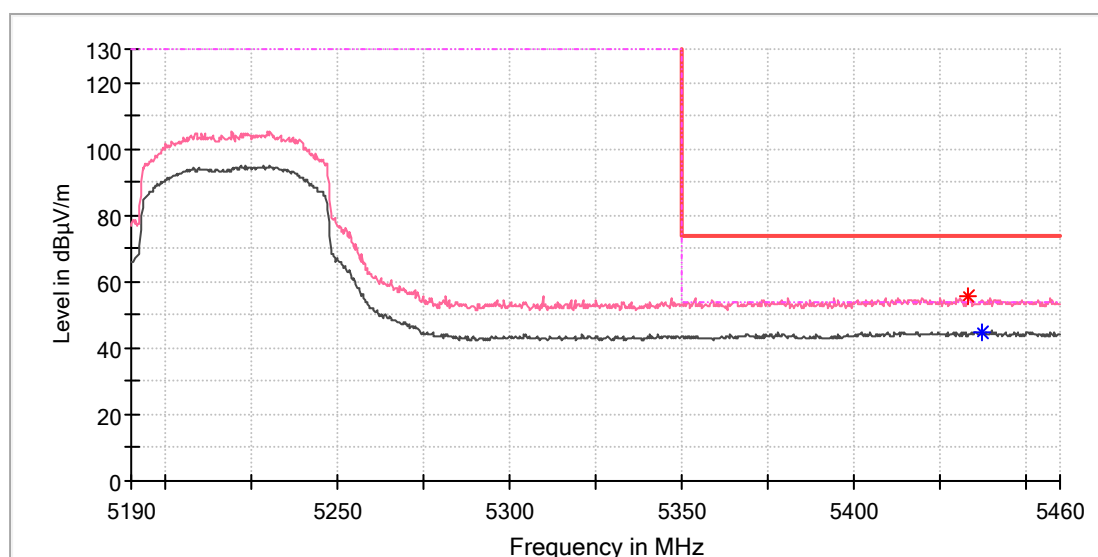
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5442.922222	---	41.30	54.00	12.70	150.0	H	125.0	13.5
5444.688889	52.63	---	74.00	21.37	150.0	H	167.0	13.5

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 O4 Relay
Model:	RL02-65
Test Mode:	SDR 5.1G_60M_5220MHz
Order No/Sample No:	168491194/A003754168-004
Test Voltage::	7.2 V
Remark:	Temp 23 Humi:58%
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)
5433.500000	55.37	---	74.00	18.63	150.0	V	199.0	13.5
5437.327778	---	44.95	54.00	9.05	150.0	V	205.0	13.5

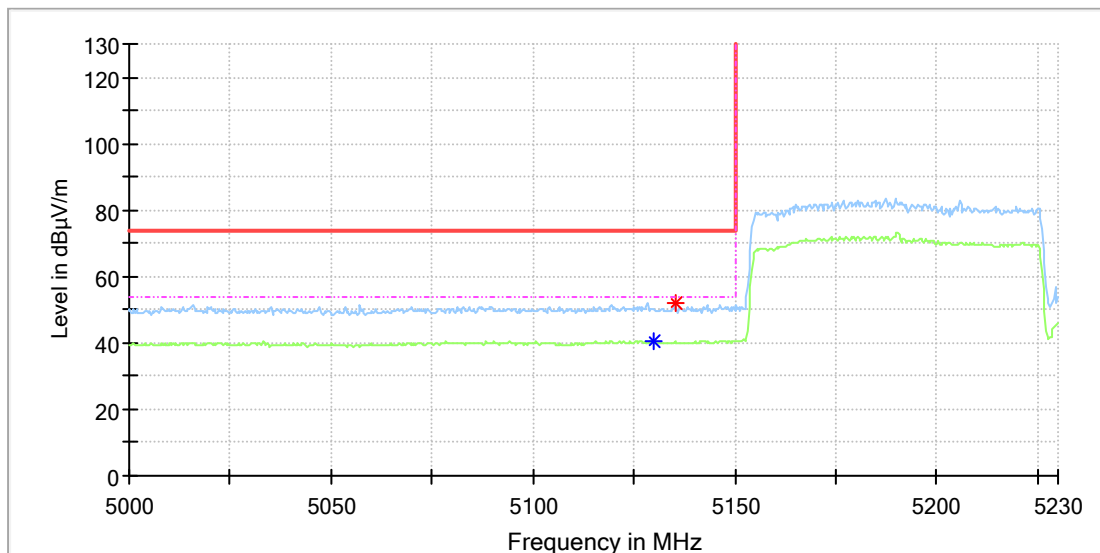
Final_Result

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

5.2GHz SDR, 80MHz BW

EUT Information

EUT Name: DJI O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_80M_5190MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

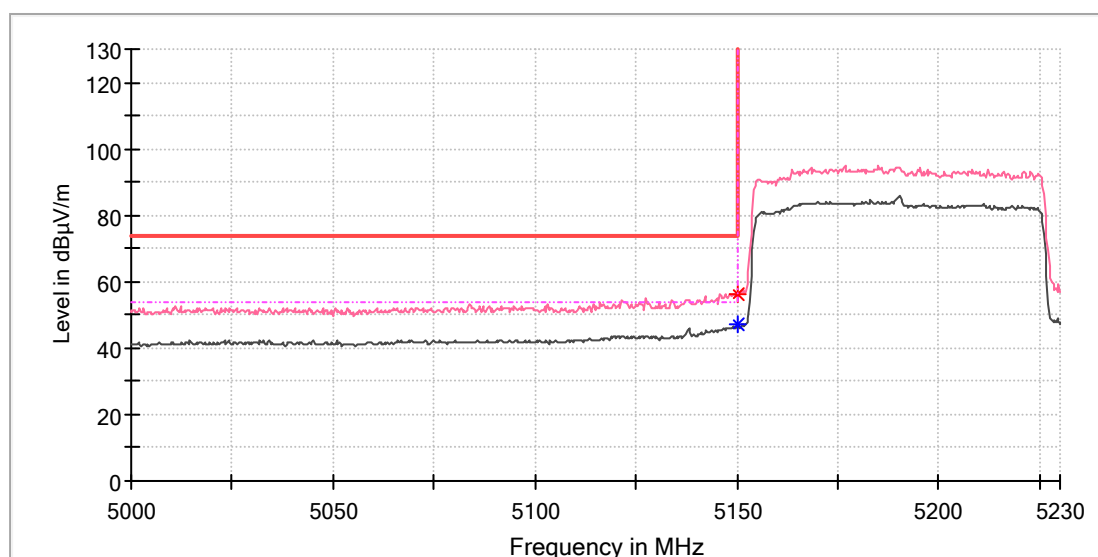
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5129.633333	---	40.76	54.00	13.24	150.0	H	194.0	12.3
5135.205556	51.92	---	74.00	22.08	150.0	H	206.0	12.4

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 O4 Relay
Model:	RL02-65
Test Mode:	SDR 5.1G_80M_5190MHz
Order No/Sample No:	168491194/A003754168-004
Test Voltage::	7.2 V
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

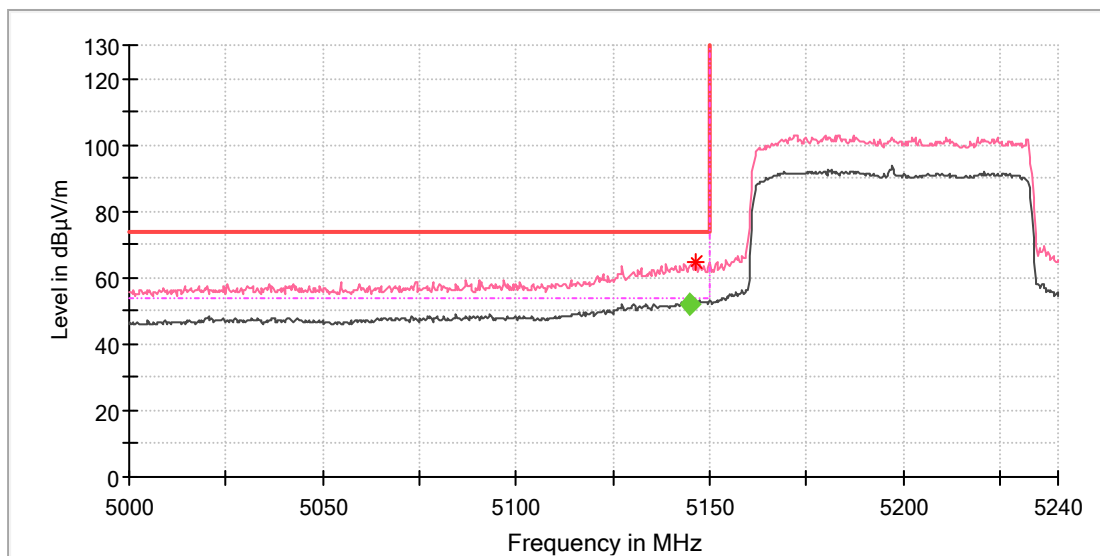
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.955556	56.43	---	74.00	17.57	150.0	V	234.0	12.4
5149.955556	---	47.13	54.00	6.87	150.0	V	234.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_80M_5197MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

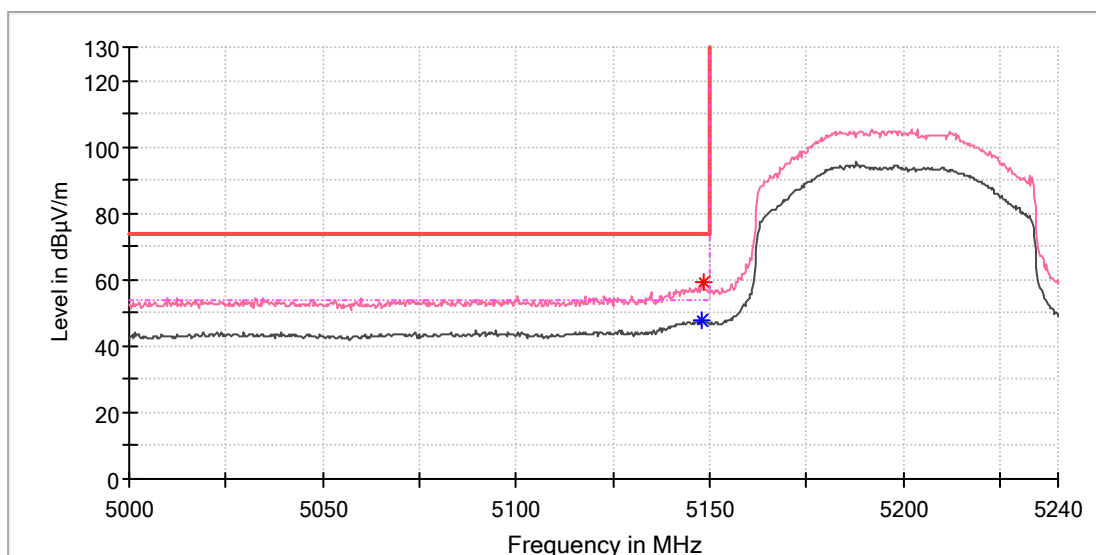
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5146.350000	64.53	---	74.00	9.47	150.0	V	170.0	12.4

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5144.991667	51.97	54.00	2.03	148.0	V	168.0	12.4

EUT Information

EUT Name: DJI O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_80M_5198MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

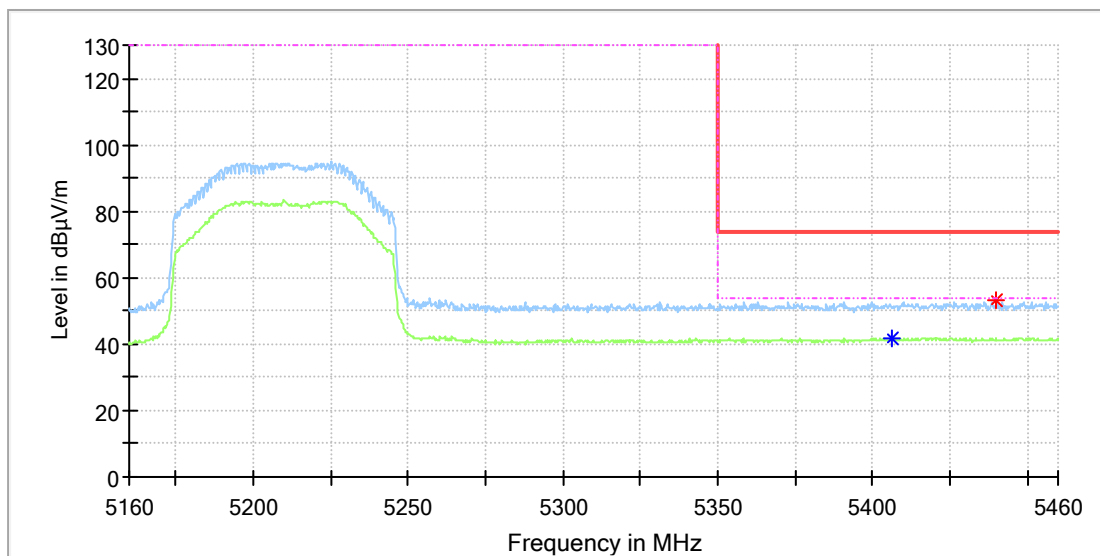
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.988889	---	47.78	54.00	6.22	150.0	V	225.0	12.4
5148.316667	59.05	---	74.00	14.95	150.0	V	225.0	12.4

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_80M_5210MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

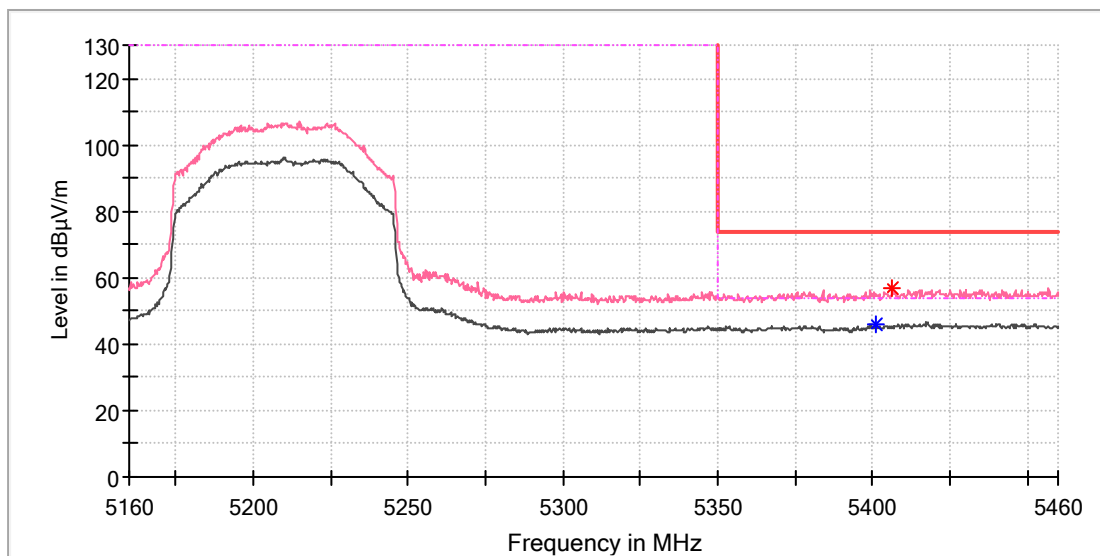
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5406.411111	---	41.93	54.00	12.07	150.0	H	97.0	13.5
5440.272222	53.02	---	74.00	20.98	150.0	H	143.0	13.5

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 O4 Relay
Model: RL02-65
Test Mode: SDR 5.1G_80M_5210MHz
Order No/Sample No: 168491194/A003754168-004
Test Voltage:: 7.2 V
Remark: Temp 23 Humi:58%
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)
5401.405556	---	46.05	54.00	7.95	150.0	V	240.0	13.5
5406.411111	56.91	---	74.00	17.09	150.0	V	246.0	13.5

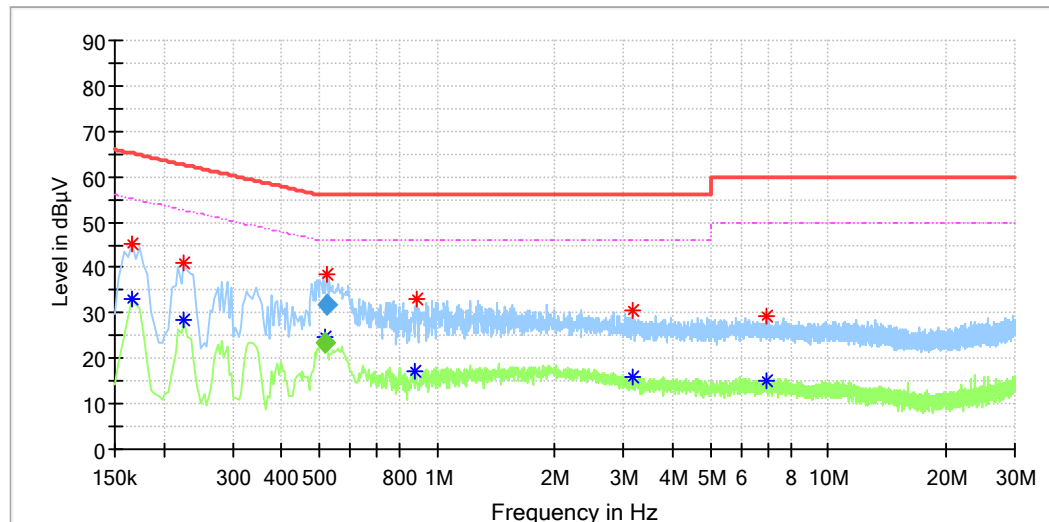
Final_Result

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

Appendix A.8: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name:	DJI O4 Relay
Order Number:	168491194(P01546832)
Model:	RL02-65
Test Mode:	The Product connected with Remoter controller and Aircraft via SDR wireless+ charged by adapter
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15C
Test By:/Review By:	Steve Lan/ Shower Dai
Tem./Hum./Pressure:	23.4°C/51.2%/101kPa
Remark:	SR2



Critical_Freqs

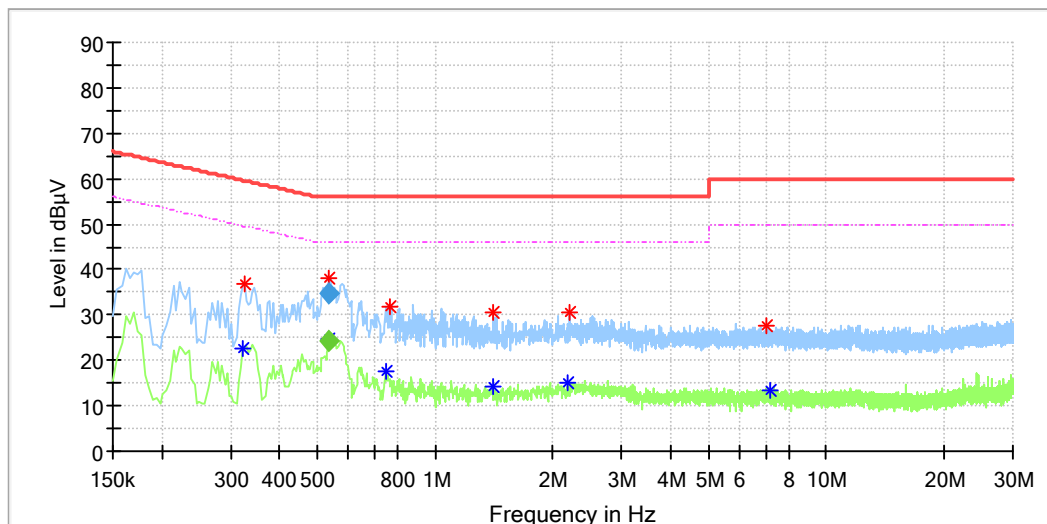
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.166000	---	32.91	55.16	22.24	L1	9.9
0.166000	45.33	---	65.16	19.82	L1	9.9
0.226000	---	28.42	52.60	24.17	L1	9.9
0.226000	40.98	---	62.60	21.61	L1	9.9
0.517500	---	24.53	46.00	21.47	L1	10.0
0.521500	38.39	---	56.00	17.61	L1	10.0
0.878000	---	17.18	46.00	28.82	L1	10.0
0.886000	33.18	---	56.00	22.82	L1	10.0
3.146000	---	15.76	46.00	30.24	L1	10.2
3.174000	30.54	---	56.00	25.46	L1	10.2
6.978000	---	15.12	50.00	34.88	L1	10.3
6.982000	29.27	---	60.00	30.73	L1	10.3

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.517500	---	23.30	46.00	22.70	1000.0	9.000	L1	10.0
0.521500	31.86	---	56.00	24.14	1000.0	9.000	L1	10.0

EUT Information

EUT Name: DJI O4 Relay
Order Number: 168491194(P01546832)
Model: RL02-65
Test Mode: The Product connected with Remoter controller and Aircraft via SDR wireless+ charged by adapter
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15C
Test By:/Review By: Steve Lan/ Shower Dai
Tem./Hum./Pressure: 23.4°C/51.2%/101kPa
Remark: SR2



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.322000	---	22.69	49.66	26.96	N	9.8
0.326000	36.66	---	59.55	22.89	N	9.8
0.537500	---	24.53	46.00	21.47	N	9.8
0.537500	38.15	---	56.00	17.85	N	9.8
0.746000	---	17.50	46.00	28.50	N	9.8
0.766000	31.81	---	56.00	24.19	N	9.8
1.406000	---	14.07	46.00	31.93	N	9.8
1.410000	30.54	---	56.00	25.46	N	9.8
2.194000	---	15.10	46.00	30.90	N	9.9
2.202000	30.53	---	56.00	25.47	N	9.9
7.058000	27.70	---	60.00	32.30	N	10.0
7.214000	---	13.59	50.00	36.41	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.537500	---	24.35	46.00	21.65	1000.0	9.000	N	9.8
0.537500	34.68	---	56.00	21.32	1000.0	9.000	N	9.8