

Appendix C: Test Results of 2.4GHz Wi-Fi

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

TestMode	Antenna	Channel	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-2.12	≤8.00	PASS
		2437	-2.41	≤8.00	PASS
		2462	1.19	≤8.00	PASS
11G	Ant1	2412	-4.64	≤8.00	PASS
		2437	-4.99	≤8.00	PASS
		2462	-4.40	≤8.00	PASS
11N20SISO	Ant1	2412	-4.64	≤8.00	PASS
		2437	-4.68	≤8.00	PASS
		2462	-4.16	≤8.00	PASS
11N40SISO	Ant1	2422	-5.74	≤8.00	PASS
		2437	-7.95	≤8.00	PASS
		2452	-6.51	≤8.00	PASS

11B Ant1 2412



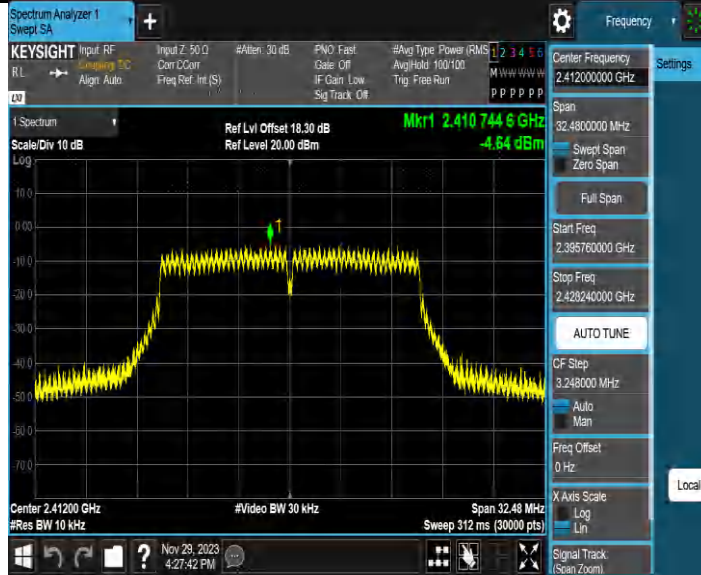
11B Ant1 2437



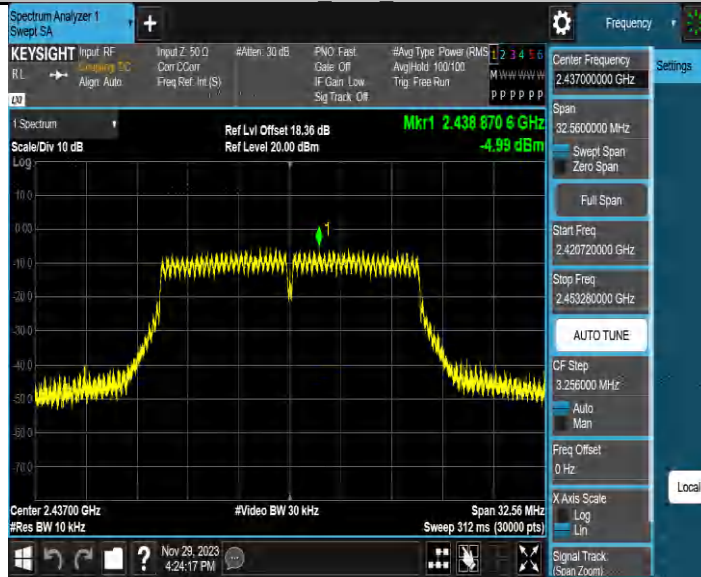
11B Ant1 2462



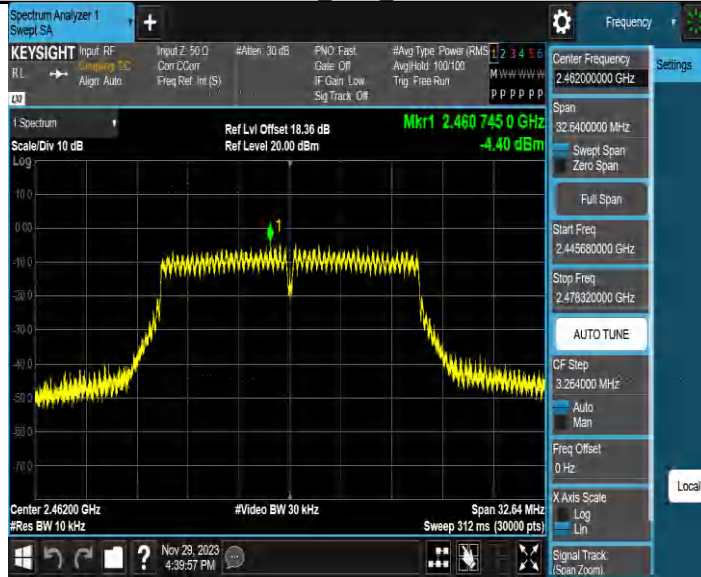
11G Ant1 2412



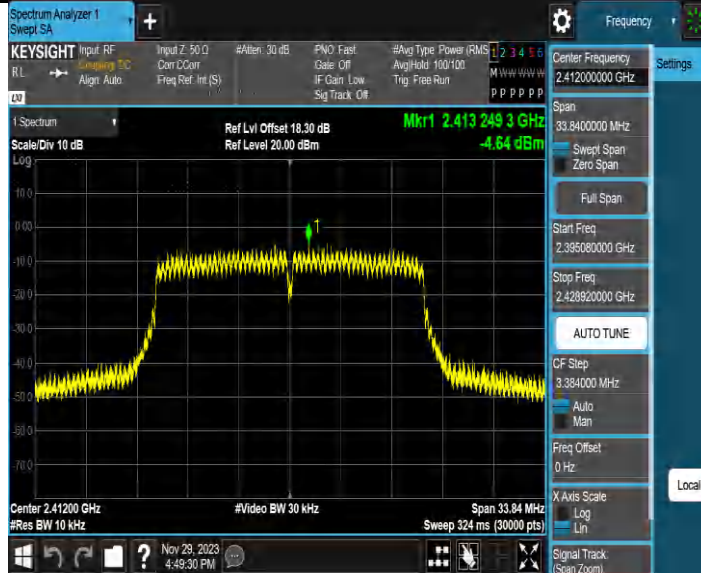
11G Ant1 2437



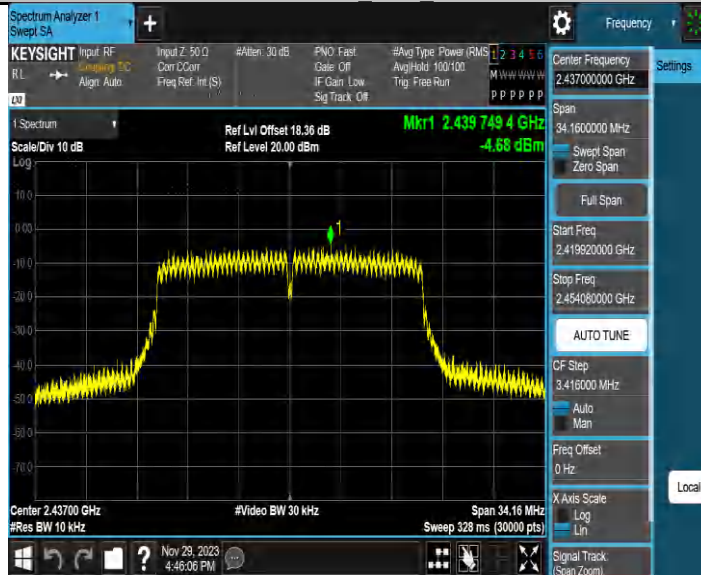
11G Ant1 2462



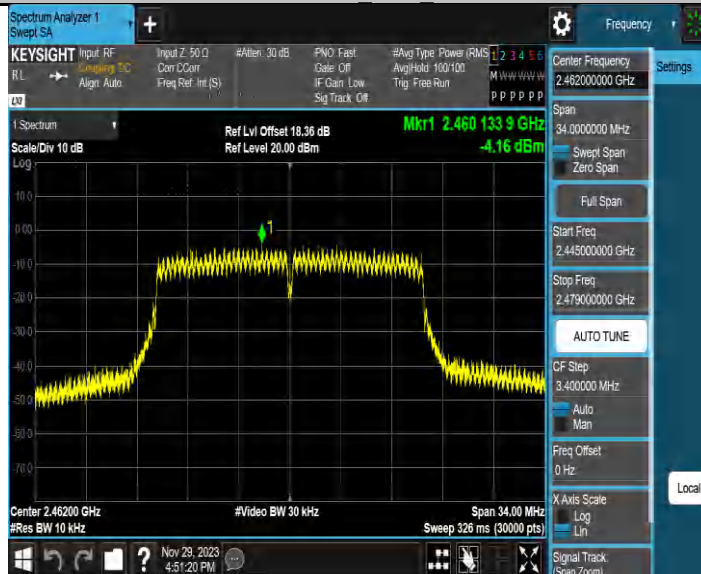
11N20SISO Ant1 2412



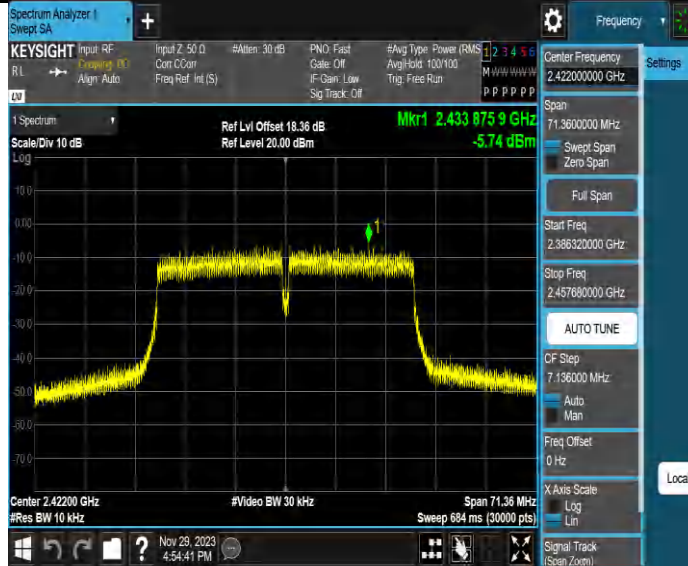
11N20SISO Ant1 2437



11N20SISO Ant1 2462



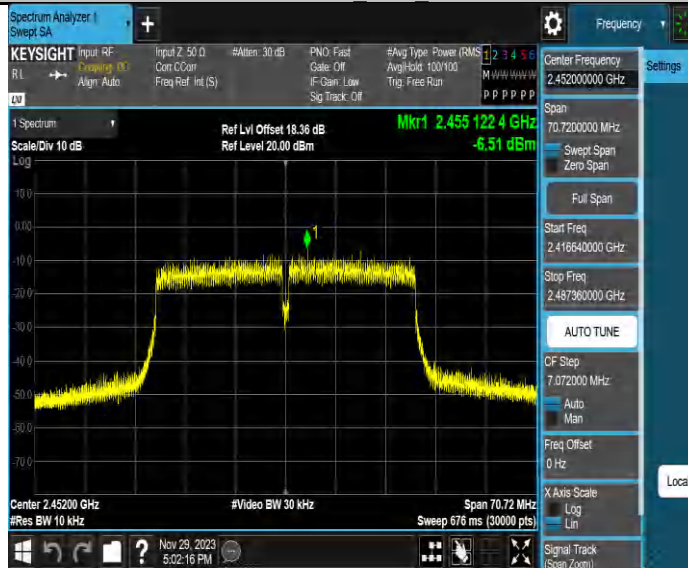
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



Appendix C.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	0.5	PASS
		2437	9.040	2432.480	2441.520	0.5	PASS
		2462	8.560	2457.960	2466.520	0.5	PASS
11G	Ant1	2412	16.240	2403.880	2420.120	0.5	PASS
		2437	16.280	2428.880	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.640	2420.560	0.5	PASS
		2437	17.080	2428.480	2445.560	0.5	PASS
		2462	17.000	2453.480	2470.480	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.080	2439.760	0.5	PASS
		2437	35.600	2419.240	2454.840	0.5	PASS
		2452	35.360	2434.400	2469.760	0.5	PASS

11B Ant1 2412



11B Ant1 2437



11B Ant1 2462



11G Ant1 2412



11G Ant1 2437



11G Ant1 2462



11N20SISO Ant1 2412



11N20SISO Ant1 2437



11N20SISO Ant1 2462



11N40SISO Ant1 2422



11N40SISO Ant1 2437



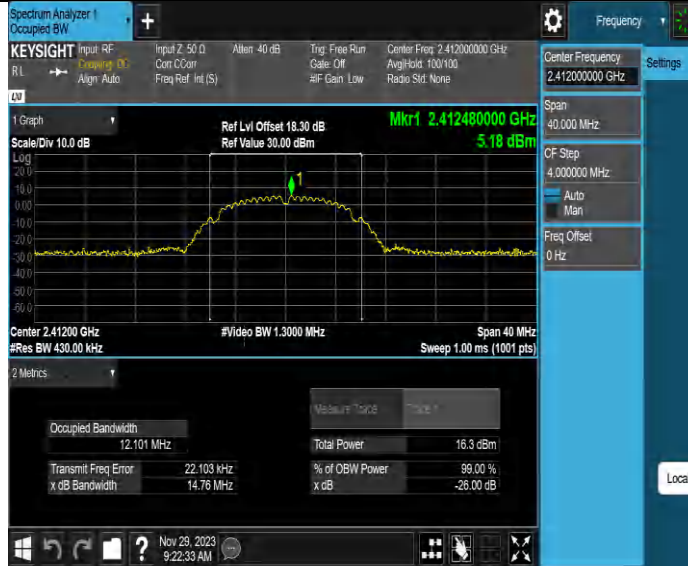
11N40SISO Ant1 2452



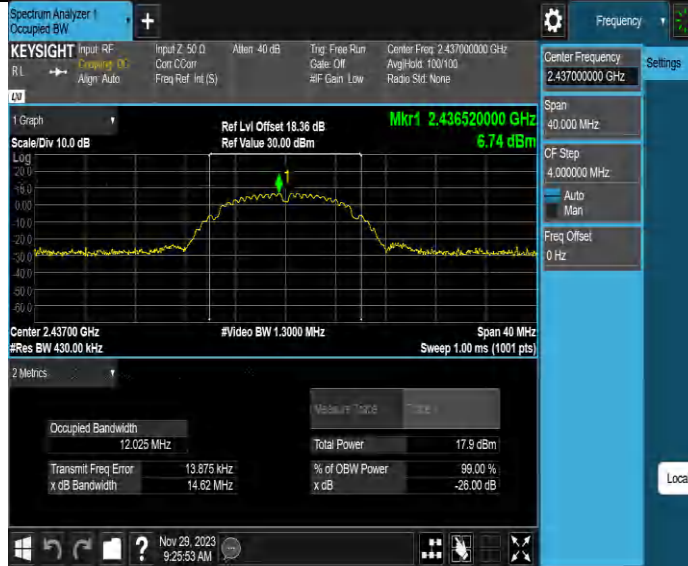
Appendix C.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	12.101	2405.9716	2418.0726	---	PASS
		2437	12.025	2431.0014	2443.0264	---	PASS
		2462	12.029	2455.9851	2468.0141	---	PASS
11G	Ant1	2412	16.880	2403.5857	2420.4657	---	PASS
		2437	16.886	2428.5941	2445.4801	---	PASS
		2462	16.858	2453.5679	2470.4259	---	PASS
11N20SISO	Ant1	2412	17.757	2403.1591	2420.9161	---	PASS
		2437	17.728	2428.1344	2445.8624	---	PASS
		2462	17.753	2453.1262	2470.8792	---	PASS
11N40SISO	Ant1	2422	36.179	2403.9349	2440.1139	---	PASS
		2437	36.200	2418.9075	2455.1075	---	PASS
		2452	36.173	2433.9129	2470.0859	---	PASS

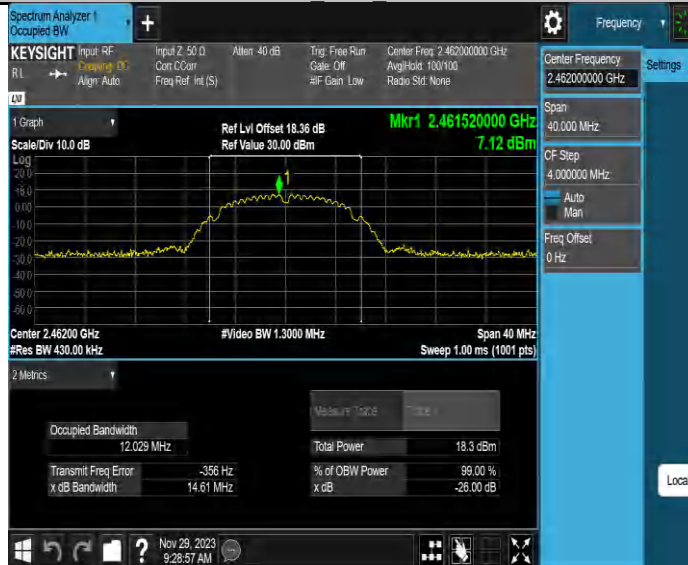
11B Ant1 2412



11B Ant1 2437



11B Ant1 2462



11G Ant1 2412



11G Ant1 2437



11G Ant1 2462



11N20SISO Ant1 2412



11N20SISO Ant1 2437



11N20SISO Ant1 2462



11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452

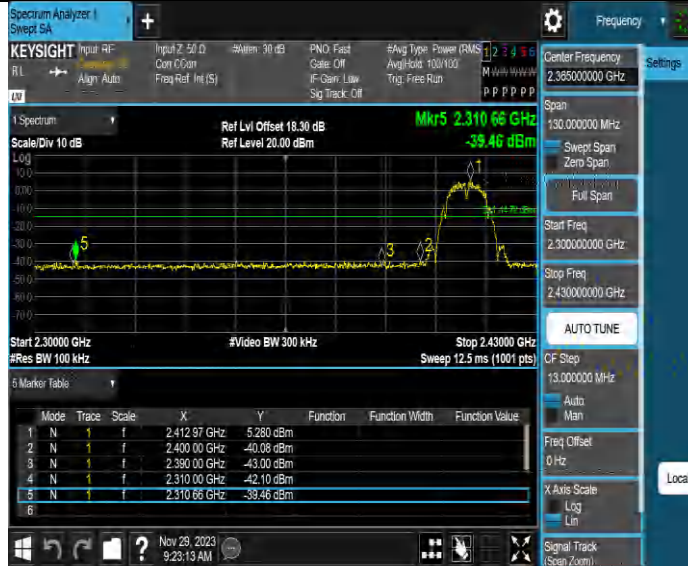


Appendix C.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

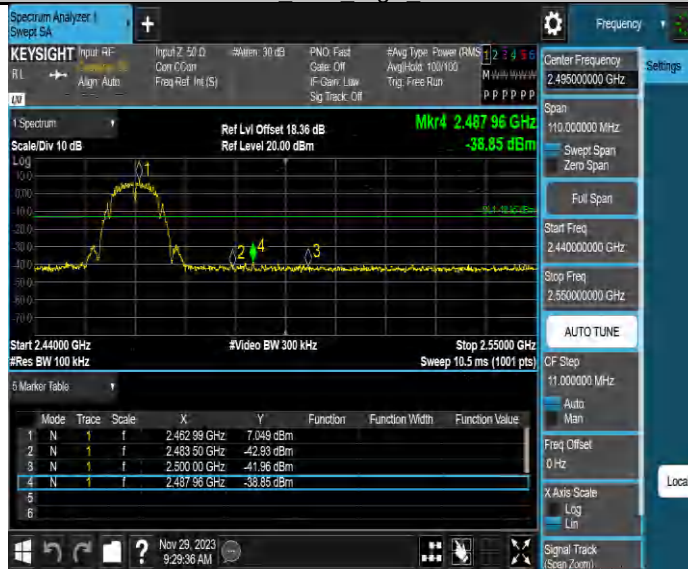
Band Edge

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	5.28	-39.46	≤-14.72	PASS
		High	2462	7.05	-38.85	≤-12.95	PASS
11G	Ant1	Low	2412	1.19	-29.81	≤-18.81	PASS
		High	2462	2.77	-37.37	≤-17.23	PASS
11N20SISO	Ant1	Low	2412	1.72	-25.61	≤-18.28	PASS
		High	2462	3.04	-34.57	≤-16.96	PASS
11N40SISO	Ant1	Low	2422	1.01	-29.98	≤-18.99	PASS
		High	2452	0.59	-35.79	≤-19.41	PASS

11B Ant1 Low 2412



11B Ant1 High 2462



11G Ant1 Low 2412



11G Ant1 High 2462



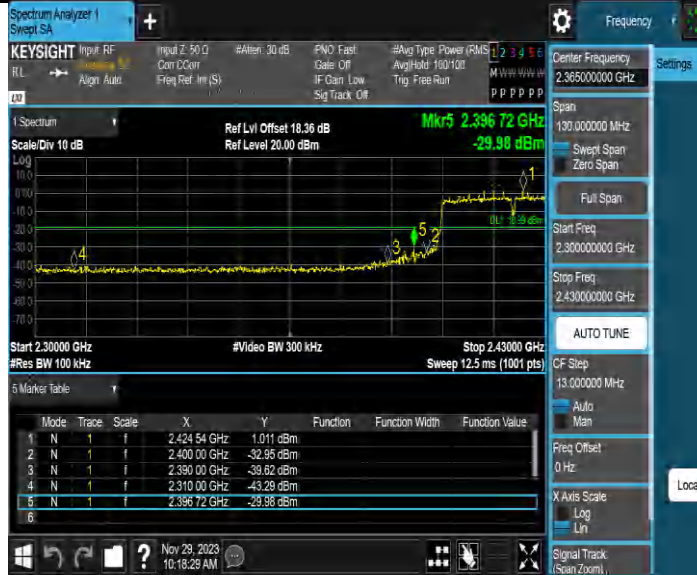
11N20SISO Ant1 Low 2412



11N20SISO Ant1 High 2462



11N40SISO Ant1 Low 2422



11N40SISO Ant1 High 2452



Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.10	4.10	---	PASS
			30~1000	4.10	-40.15	≤-15.9	PASS
			1000~26500	4.10	-32.41	≤-15.9	PASS
		2437	Reference	5.53	5.53	---	PASS
			30~1000	5.53	-40.77	≤-14.47	PASS
			1000~26500	5.53	-31.95	≤-14.47	PASS
		2462	Reference	6.11	6.11	---	PASS
			30~1000	6.11	-41.49	≤-13.89	PASS
			1000~26500	6.11	-31.67	≤-13.89	PASS
11G	Ant1	2412	Reference	-2.06	-2.06	---	PASS
			30~1000	-2.06	-40.97	≤-22.06	PASS
			1000~26500	-2.06	-32.28	≤-22.06	PASS
		2437	Reference	3.30	3.30	---	PASS
			30~1000	3.30	-41.28	≤-16.7	PASS
			1000~26500	3.30	-31.12	≤-16.7	PASS
		2462	Reference	-0.42	-0.42	---	PASS
			30~1000	-0.42	-41.15	≤-20.42	PASS
			1000~26500	-0.42	-32.54	≤-20.42	PASS
11N20SISO	Ant1	2412	Reference	0.92	0.92	---	PASS
			30~1000	0.92	-40.74	≤-19.08	PASS
			1000~26500	0.92	-31.75	≤-19.08	PASS
		2437	Reference	2.35	2.35	---	PASS
			30~1000	2.35	-40.49	≤-17.65	PASS
			1000~26500	2.35	-32.27	≤-17.65	PASS
		2462	Reference	0.58	0.58	---	PASS
			30~1000	0.58	-40.29	≤-19.42	PASS
			1000~26500	0.58	-31.45	≤-19.42	PASS
11N40SISO	Ant1	2422	Reference	0.26	0.26	---	PASS
			30~1000	0.26	-41.18	≤-19.74	PASS
			1000~26500	0.26	-31.7	≤-19.74	PASS
		2437	Reference	-1.39	-1.39	---	PASS
			30~1000	-1.39	-40.91	≤-21.39	PASS
			1000~26500	-1.39	-31.25	≤-21.39	PASS
		2452	Reference	-0.72	-0.72	---	PASS
			30~1000	-0.72	-41.05	≤-20.72	PASS
			1000~26500	-0.72	-30.9	≤-20.72	PASS

11B Ant1 2412 0~Reference



11B Ant1 2412 30~1000



11B Ant1 2412 1000~26500



11B Ant1 2437 0~Reference



11B Ant1 2437 30~1000



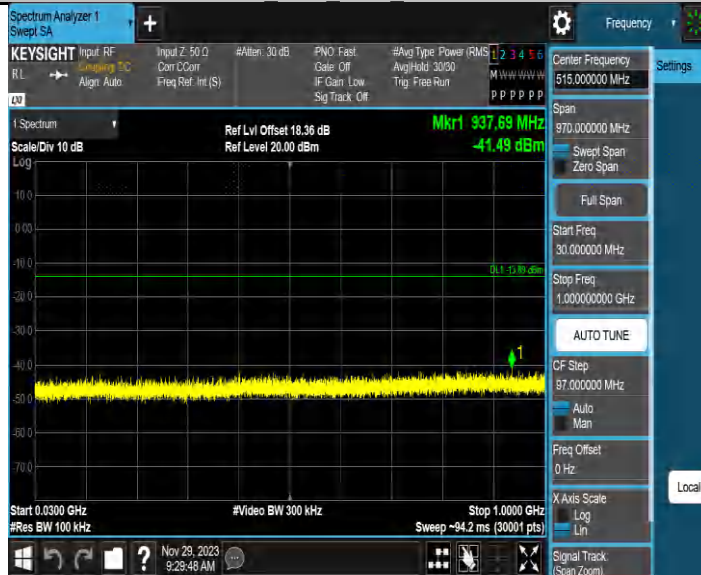
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11B Ant1 2462 0~Reference



11B Ant1 2462 30~1000



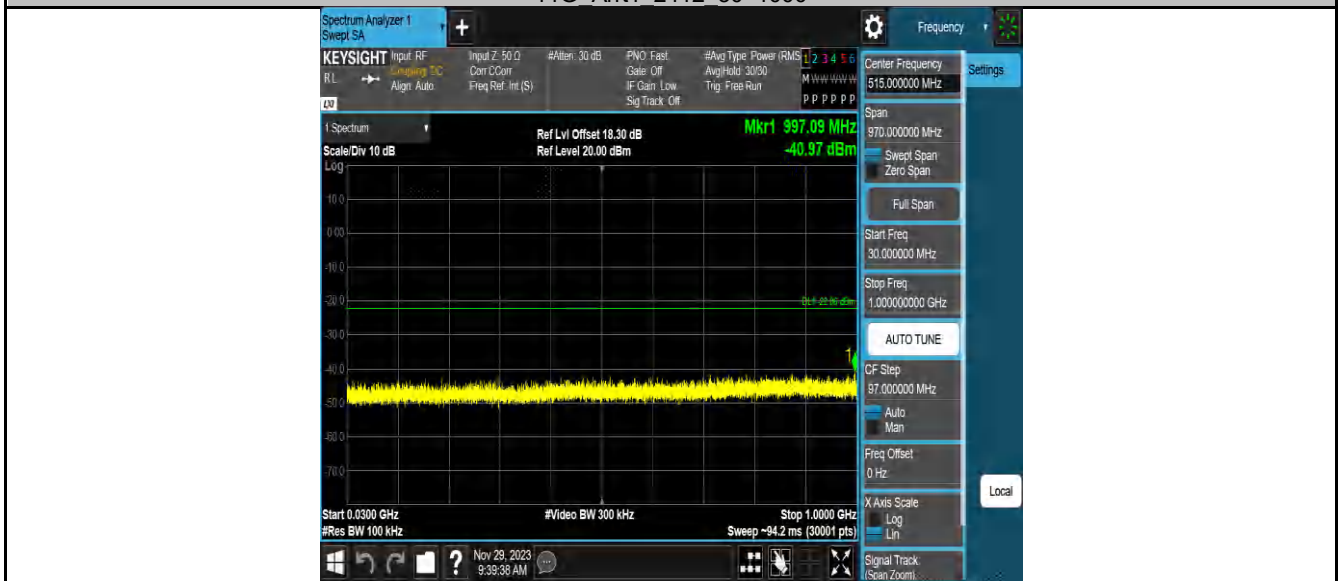
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11G Ant1 2412 0~Reference



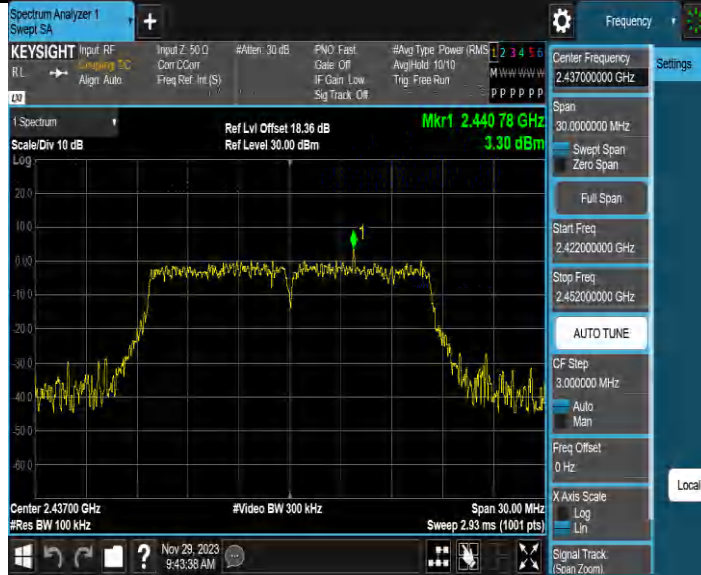
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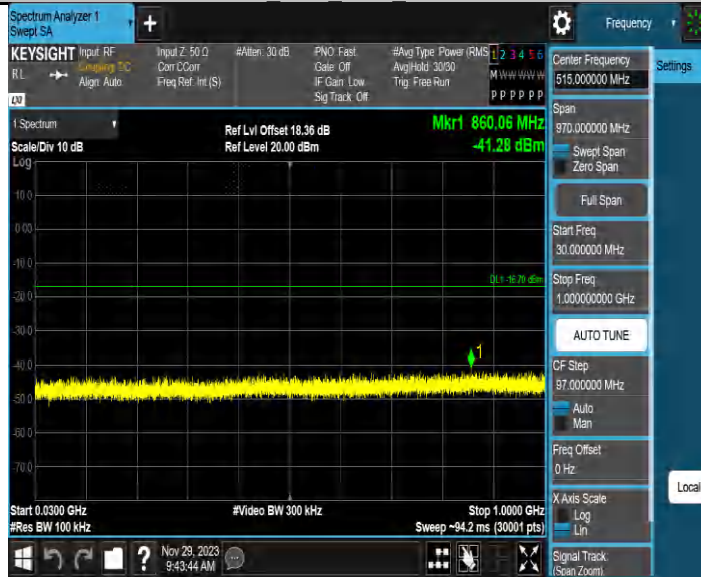
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11G Ant1 2437 0~Reference



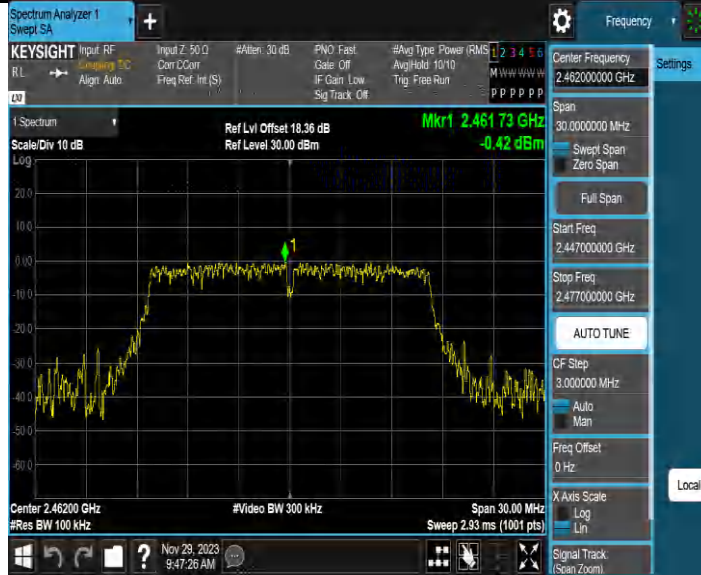
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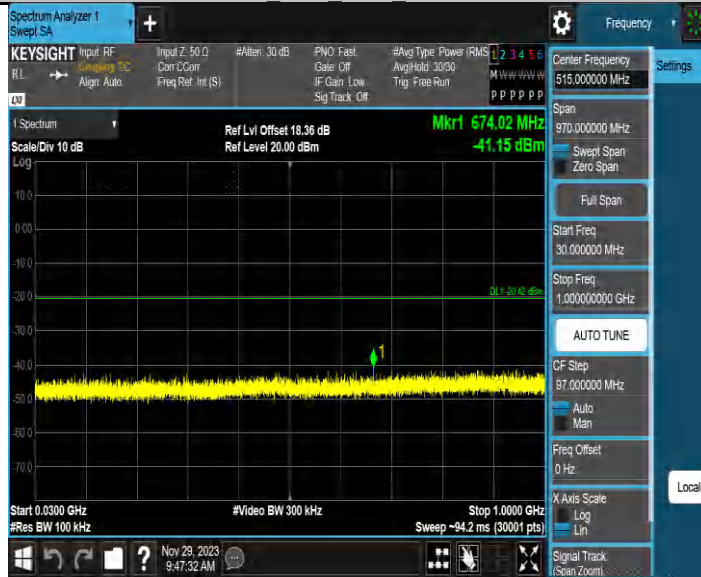
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11G Ant1 2462 0~Reference

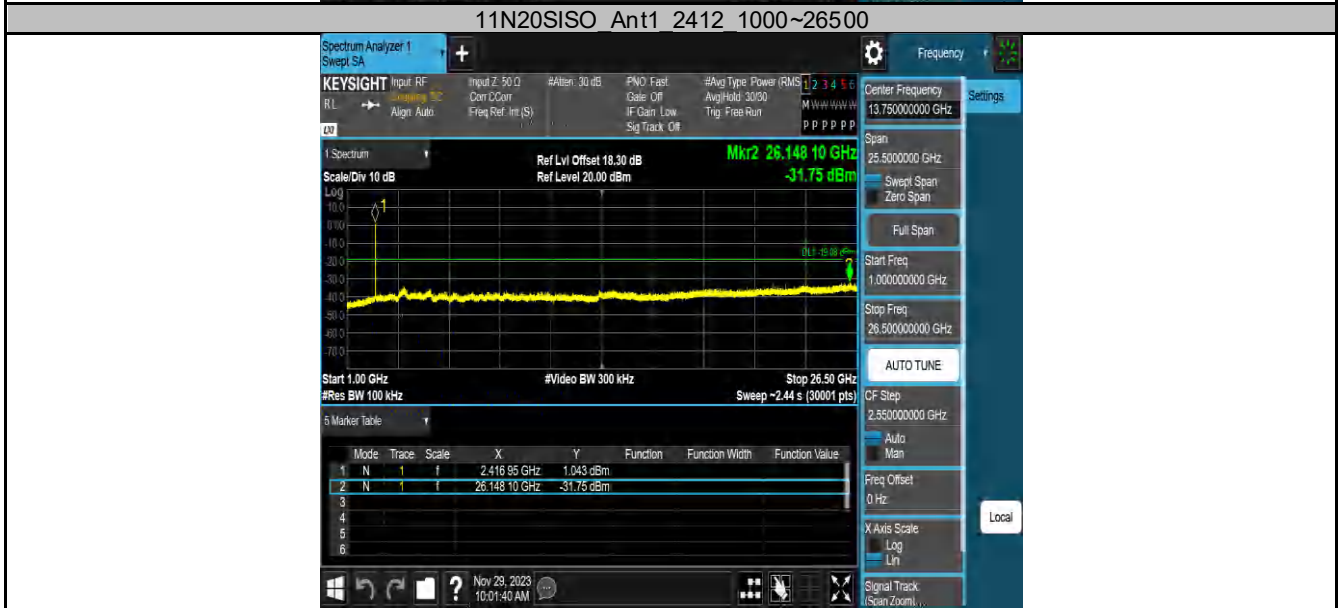
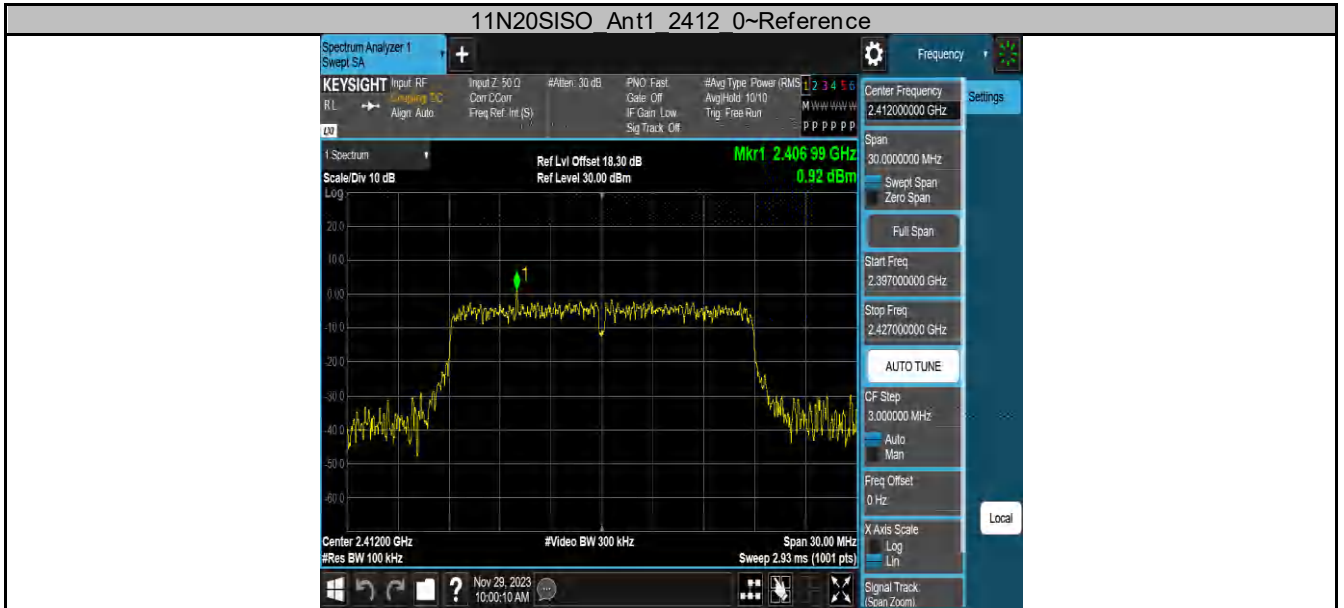


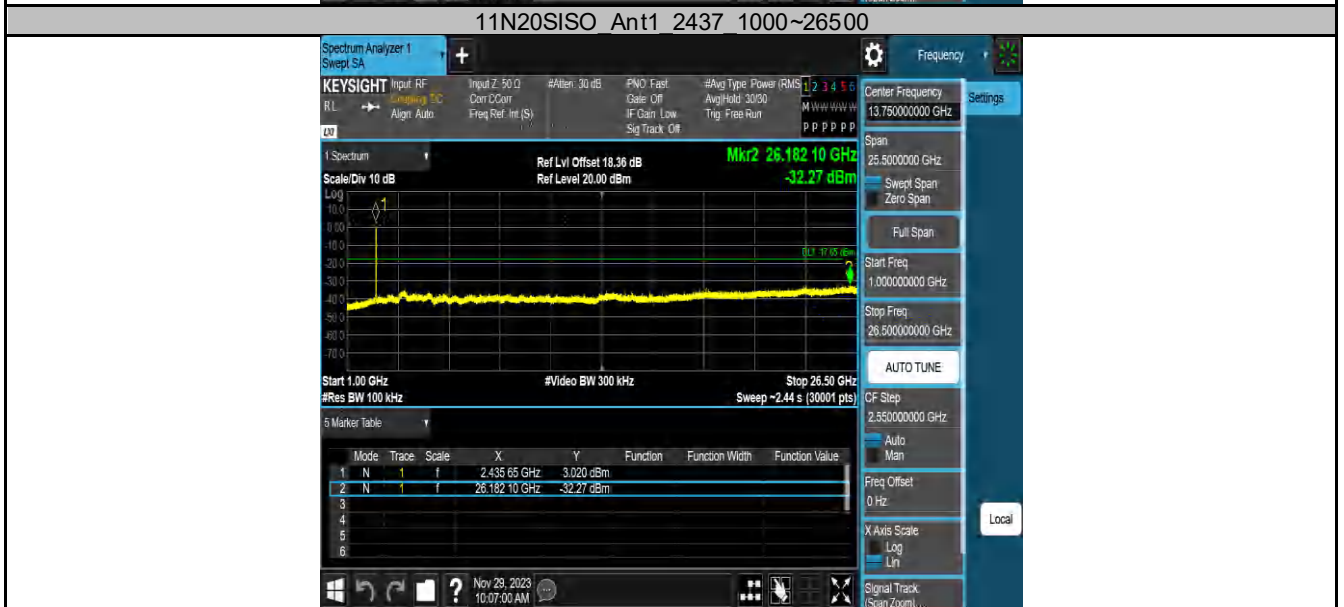
11G Ant1 2462 30~1000

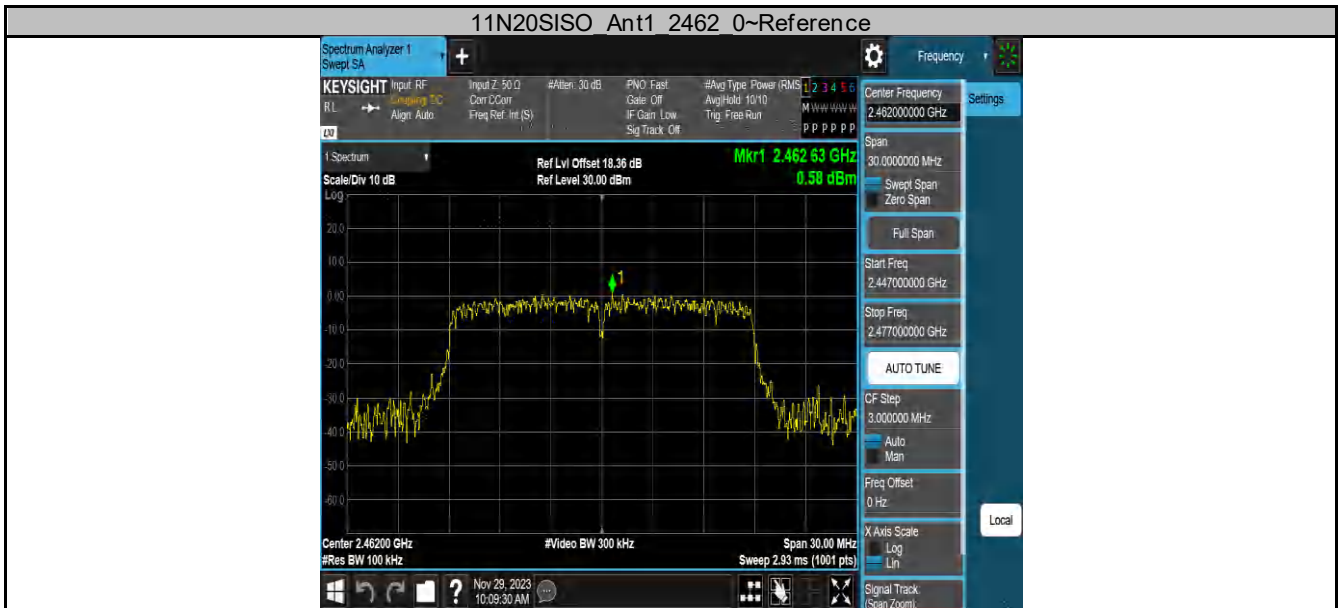


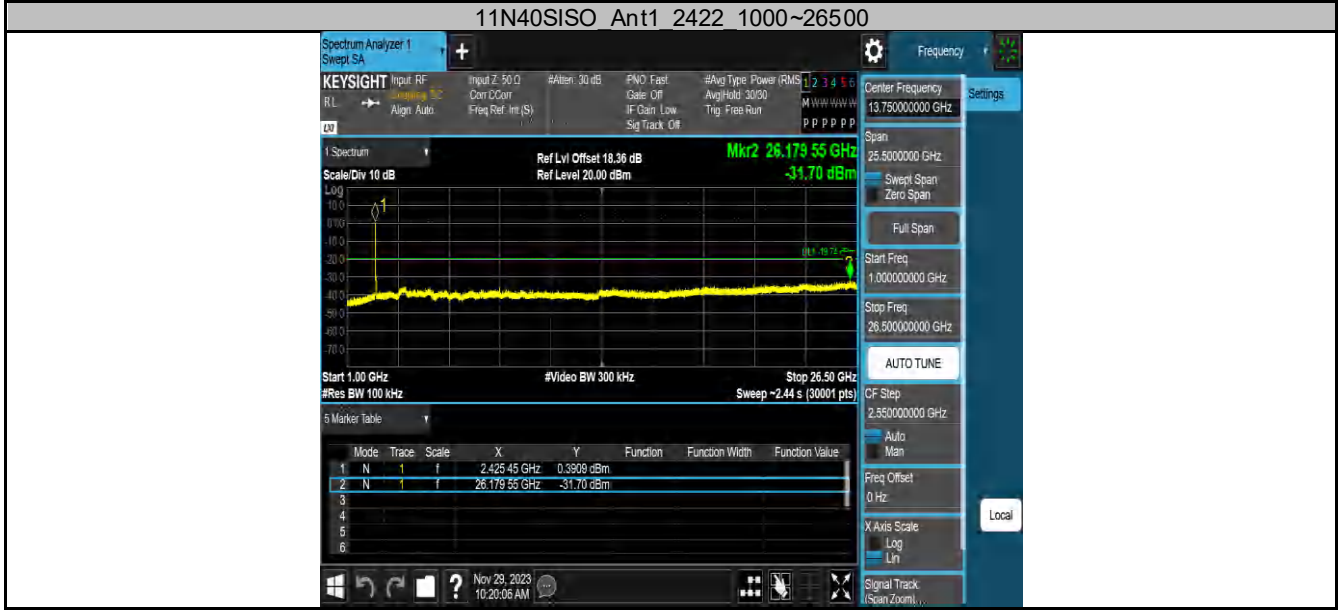
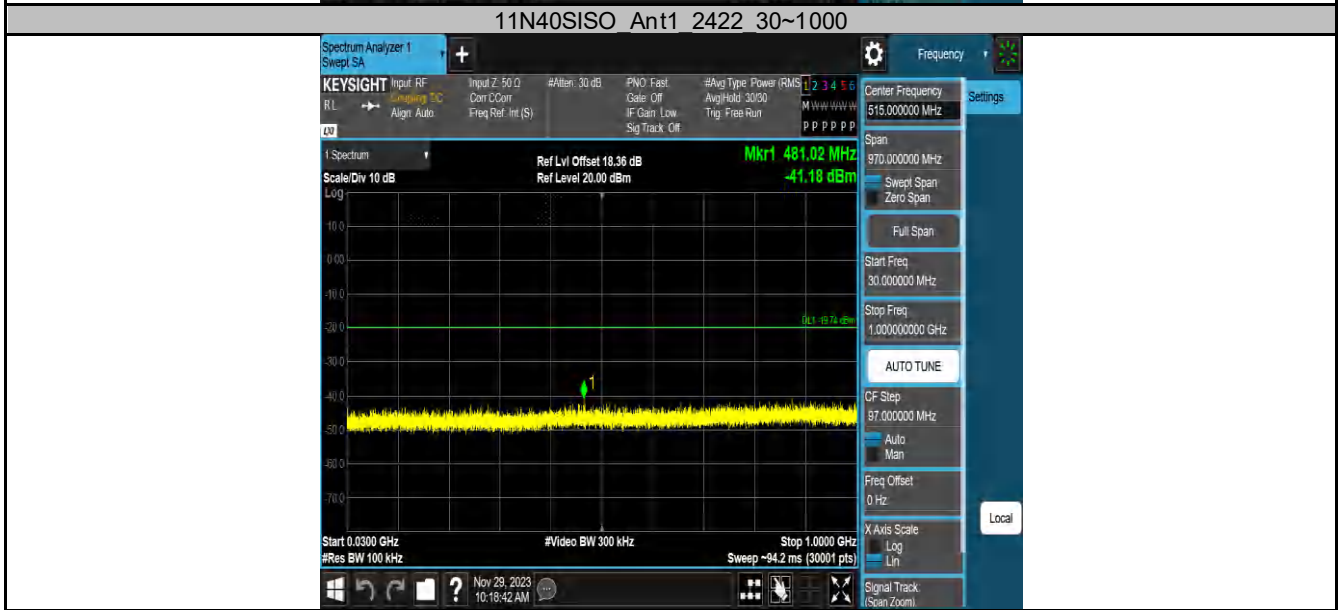
11G Ant1 2462 1000~26500

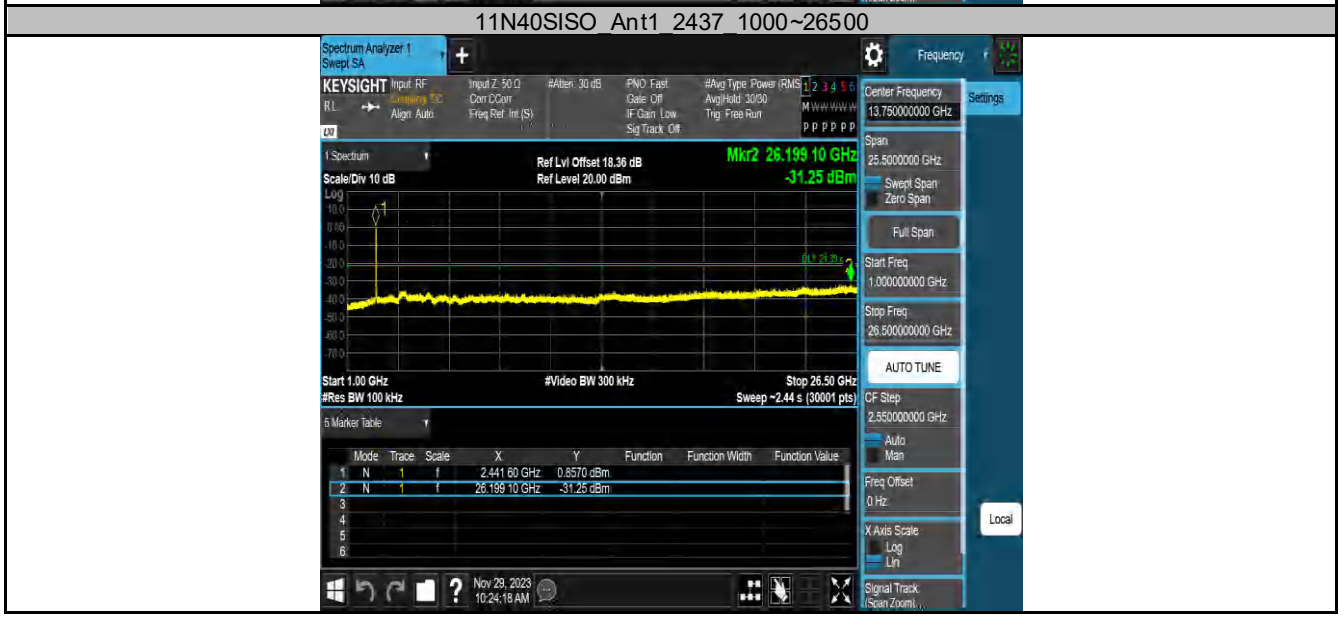


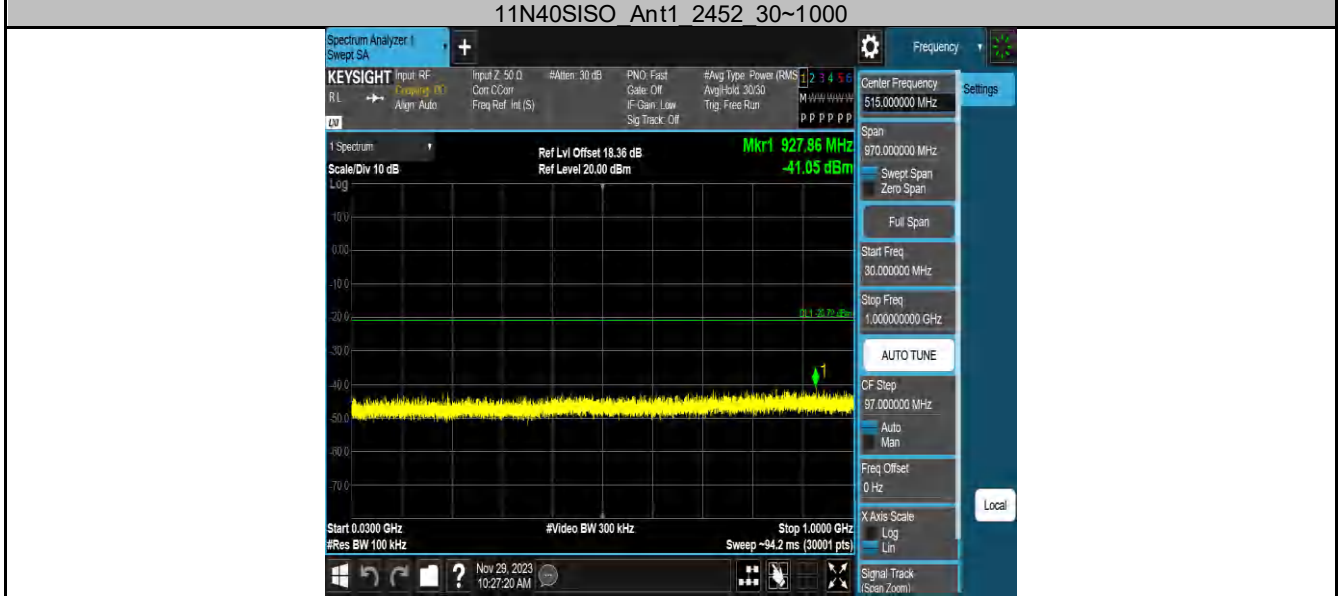






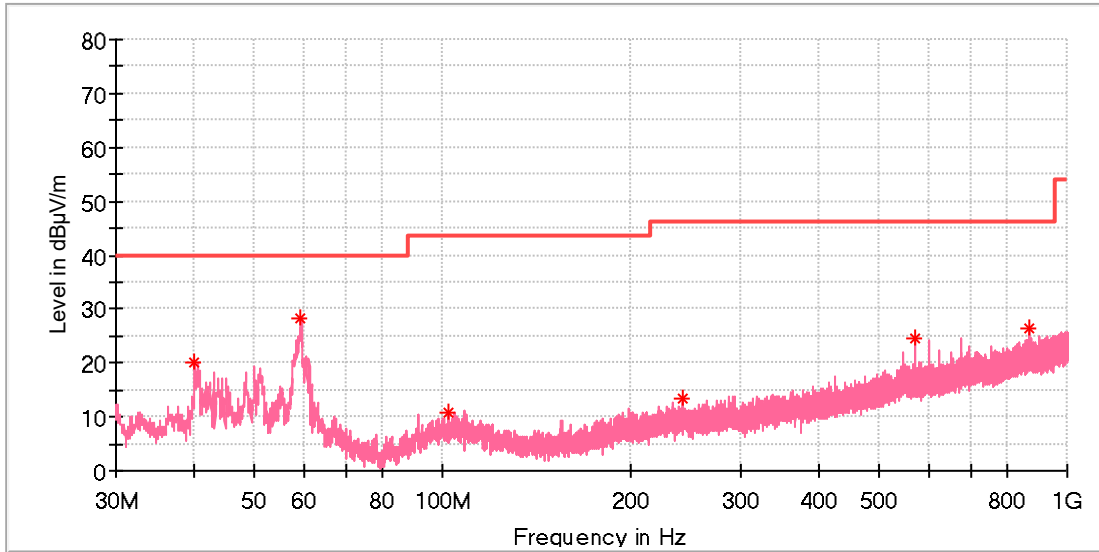






EUT Information

EUT Name: DJI Goggles 3
 Model: TKGS3
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168438695/A003598699-029
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

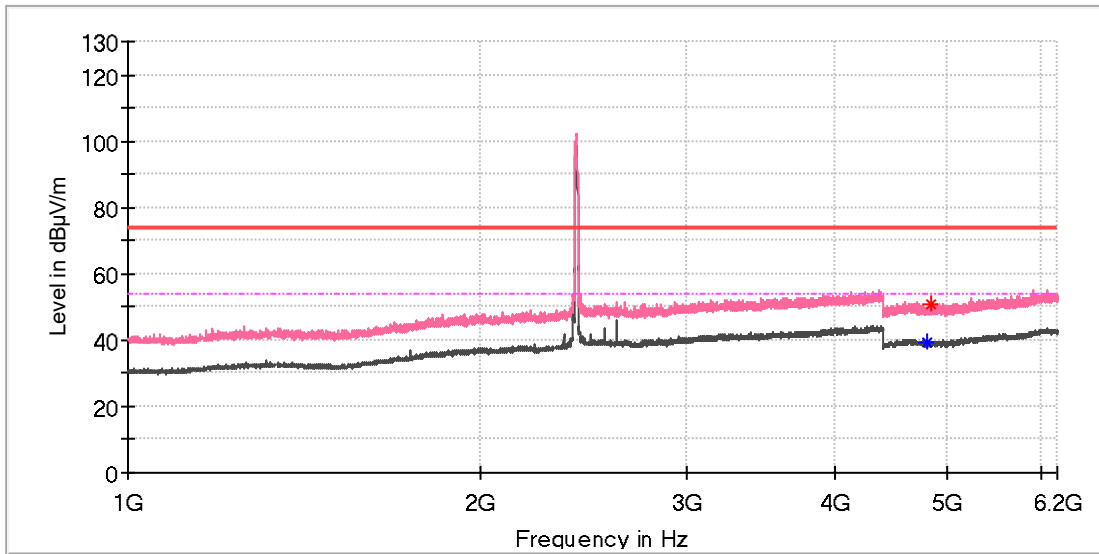
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59.361154	28.44	40.00	11.56	100.0	V	84.0	-19.2
102.302308	10.82	43.50	32.68	100.0	V	329.0	-19.2
242.952308	13.40	46.00	32.60	100.0	V	220.0	-17.9
572.006154	24.41	46.00	21.59	100.0	V	191.0	-10.7
871.027308	26.30	46.00	19.70	100.0	V	274.0	-5.7

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 2.4G_11b_Ch1
 Order No/Sample No: 168438695/A003598699-029
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

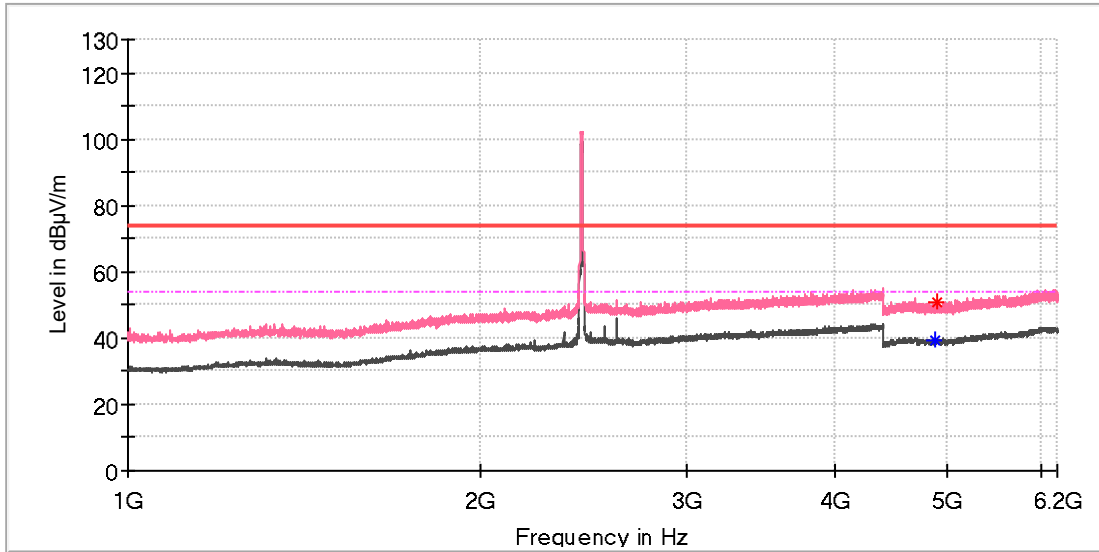
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4809.500000	--	39.57	54.00	14.43	150.0	V	330.0	11.8
4846.500000	50.73	--	74.00	23.27	150.0	V	160.0	11.8

Final Result

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

EUT Information

EUT Name: DJI Goggles 3
 Model: TKGS3
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168438695/A003598699-029
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

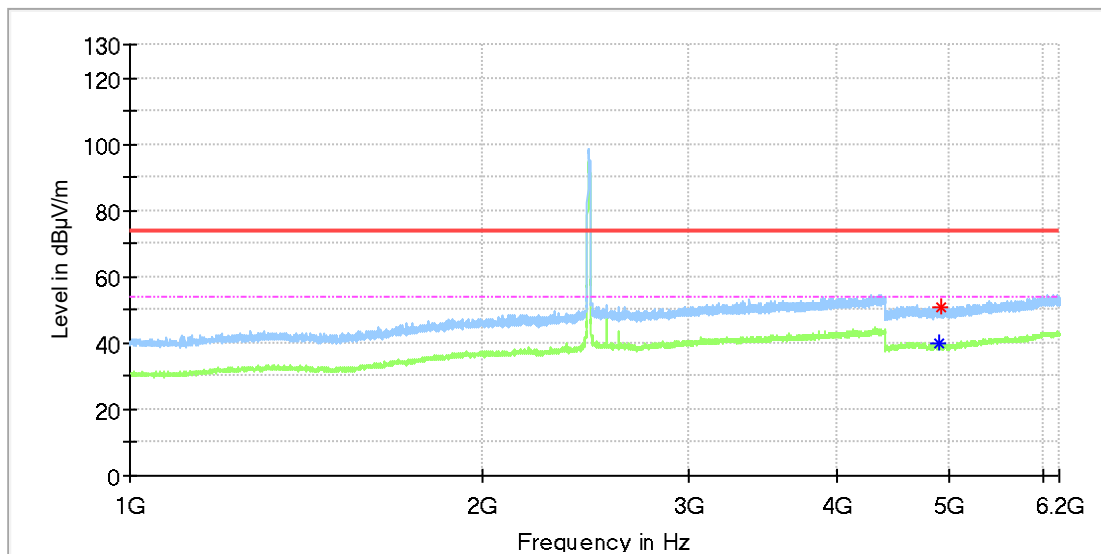
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.000000	--	39.55	54.00	14.45	150.0	V	263.0	11.8
4902.500000	50.76	--	74.00	23.24	150.0	V	330.0	11.8

Final Result

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

EUT Information

EUT Name: DJI Goggles 3
 Model: TKGS3
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168438695/A003598699-029
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

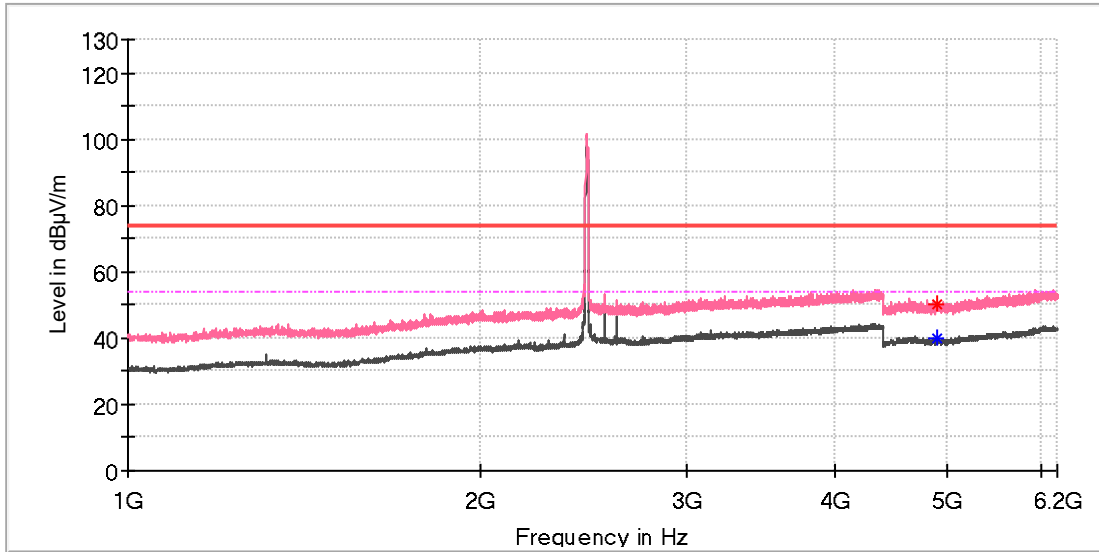
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4905.000000	--	39.86	54.00	14.14	150.0	H	167.0	11.8
4909.500000	50.64	--	74.00	23.36	150.0	H	322.0	11.8

Final Result

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

EUT Information

EUT Name: DJI Goggles 3
 Model: TKGS3
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168438695/A003598699-029
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

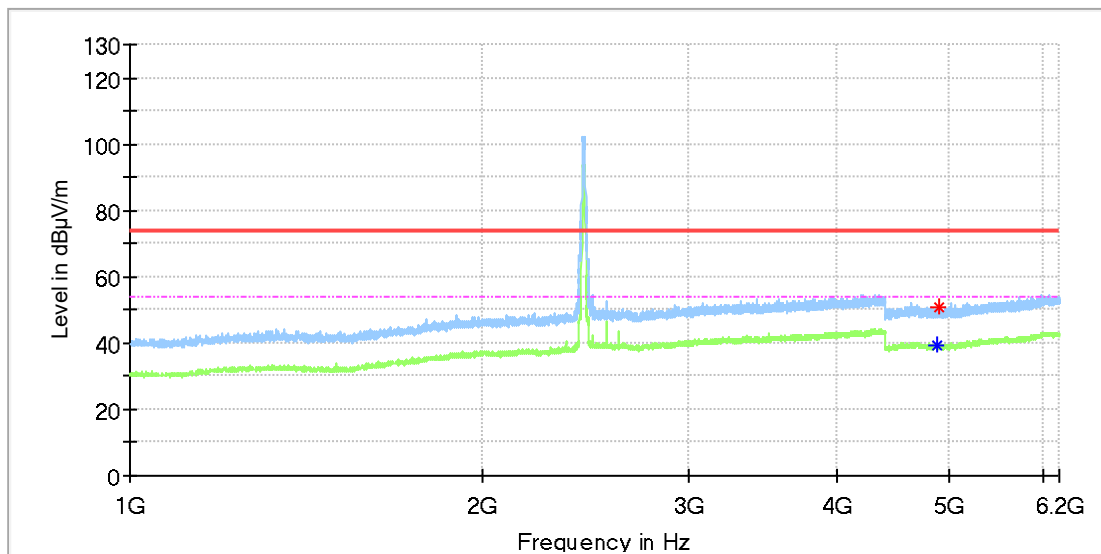
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4904.000000	--	40.12	54.00	13.88	150.0	V	290.0	11.8
4905.000000	50.38	--	74.00	23.62	150.0	V	197.0	11.8

Final Result

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

EUT Information

EUT Name: DJI Goggles 3
 Model: TKGS3
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168438695/A003598699-029
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

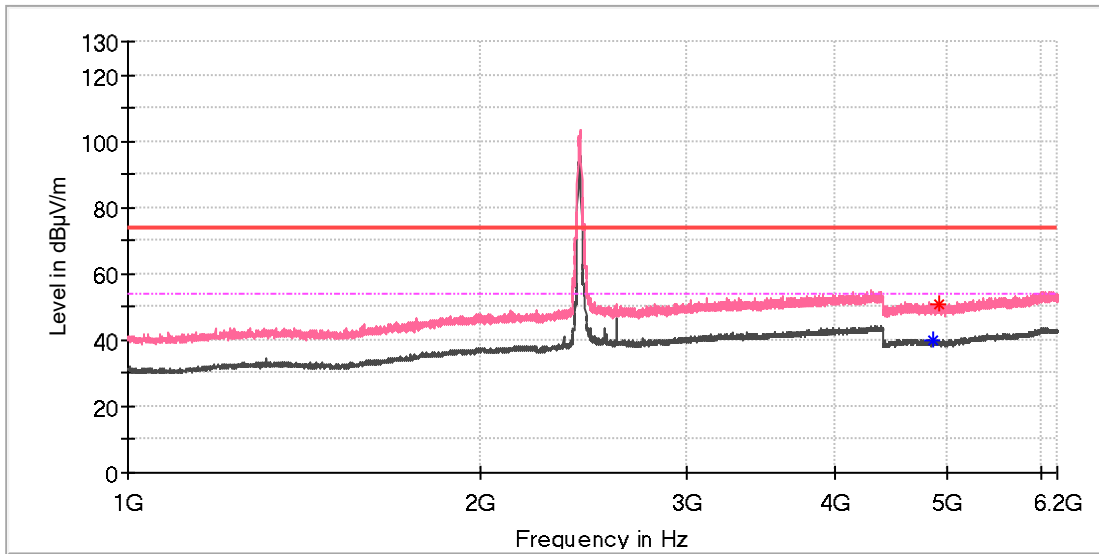
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.000000	--	39.25	54.00	14.75	150.0	H	27.0	11.8
4897.500000	50.61	--	74.00	23.39	150.0	H	176.0	11.8

Final Result

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

EUT Information

EUT Name: DJI Goggles 3
 Model: TKGS3
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168438695/A003598699-029
 Test Voltage: Battery
 Remark: Temp 22 Humi:52%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4863.500000	--	39.61	54.00	14.39	150.0	V	324.0	11.8
4913.000000	50.81	--	74.00	23.19	150.0	V	73.0	11.8

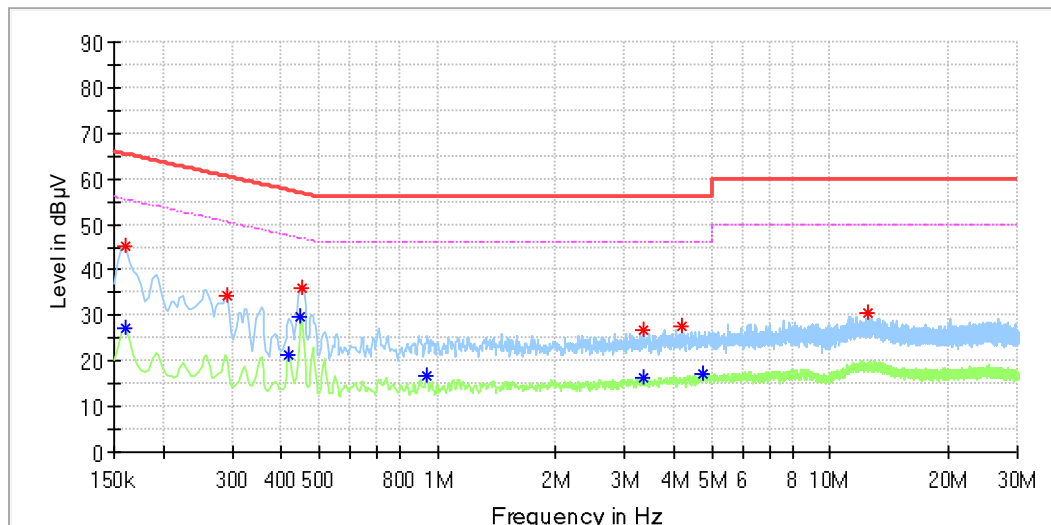
Final Result

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

EUT Information

EUT Name: DJI Goggles 3
 Order Number: 168438695
 Model: TKGS3
 Test Mode: WIFI 2.4G
 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

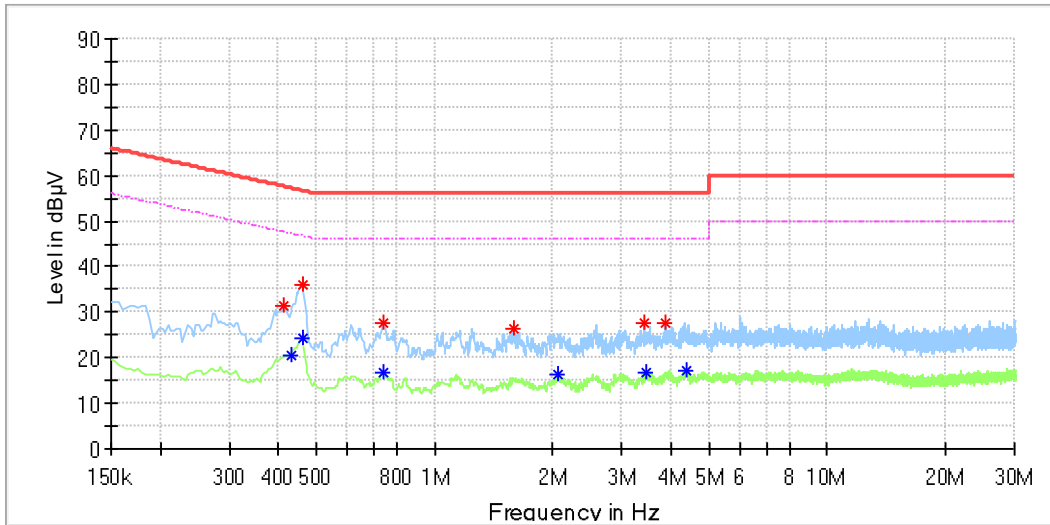


Critical Freqs

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 2.4G
 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