

Appendix A: Test Results of 2.4GHz Wi-Fi

APPENDIX A: TEST RESULTS OF 2.4GHZ WI-FI	1
APPENDIX A.1: TEST RESULTS OF 6DB BANDWIDTH	2
Test Result	2
Test Graphs	3
APPENDIX A.2: TEST RESULTS OF 99% BANDWIDTH	16
Test Result	16
Test Graphs	17
APPENDIX A.3: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	24
Test Result	24
Test Graphs	25
APPENDIX A.4: TEST RESULTS OF BAND EDGE MEASUREMENTS	38
Test Result	38
Test Graphs	39
APPENDIX A.5: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS	44
Test Result	44
Test Graphs	45
APPENDIX A.6: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	64
30MHz - 1GHz	64
1GHz - 18GHz	66
30MHz - 1GHz for co-location	78
1GHz - 18GHz for co-location	80
APPENDIX A.7: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	84

Appendix A.1: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.040	2406.000	2418.040	0.5	PASS
	Ant2	2412	12.080	2406.000	2418.080	0.5	PASS
	Ant1	2437	12.040	2431.000	2443.040	0.5	PASS
	Ant2	2437	10.280	2431.880	2442.160	0.5	PASS
	Ant1	2462	12.040	2456.000	2468.040	0.5	PASS
	Ant2	2462	10.280	2456.880	2467.160	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
	Ant2	2412	16.320	2403.880	2420.200	0.5	PASS
	Ant1	2437	16.200	2428.920	2445.120	0.5	PASS
	Ant2	2437	16.320	2428.880	2445.200	0.5	PASS
	Ant1	2462	16.280	2453.880	2470.160	0.5	PASS
	Ant2	2462	16.120	2453.840	2469.960	0.5	PASS
11N20MIMO	Ant1	2412	17.520	2403.240	2420.760	0.5	PASS
	Ant2	2412	17.560	2403.240	2420.800	0.5	PASS
	Ant1	2437	17.560	2428.200	2445.760	0.5	PASS
	Ant2	2437	17.520	2428.280	2445.800	0.5	PASS
	Ant1	2462	17.560	2453.240	2470.800	0.5	PASS
	Ant2	2462	17.440	2453.200	2470.640	0.5	PASS
11N40MIMO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
	Ant2	2422	36.080	2404.160	2440.240	0.5	PASS
	Ant1	2437	36.320	2418.840	2455.160	0.5	PASS
	Ant2	2437	35.840	2419.320	2455.160	0.5	PASS
	Ant1	2452	36.480	2433.760	2470.240	0.5	PASS
	Ant2	2452	36.160	2433.840	2470.000	0.5	PASS
11AX20MIMO	Ant1	2412	18.960	2402.560	2421.520	0.5	PASS
	Ant2	2412	18.840	2402.600	2421.440	0.5	PASS
	Ant1	2437	19.000	2427.520	2446.520	0.5	PASS
	Ant2	2437	18.960	2427.600	2446.560	0.5	PASS
	Ant1	2462	18.880	2452.520	2471.400	0.5	PASS
	Ant2	2462	18.520	2452.520	2471.040	0.5	PASS
11AX40MIMO	Ant1	2422	37.680	2403.200	2440.880	0.5	PASS
	Ant2	2422	36.960	2404.080	2441.040	0.5	PASS
	Ant1	2437	37.760	2418.120	2455.880	0.5	PASS
	Ant2	2437	36.880	2419.080	2455.960	0.5	PASS
	Ant1	2452	37.840	2433.120	2470.960	0.5	PASS
	Ant2	2452	37.360	2433.280	2470.640	0.5	PASS

Test Graphs

11B_Ant1_2412

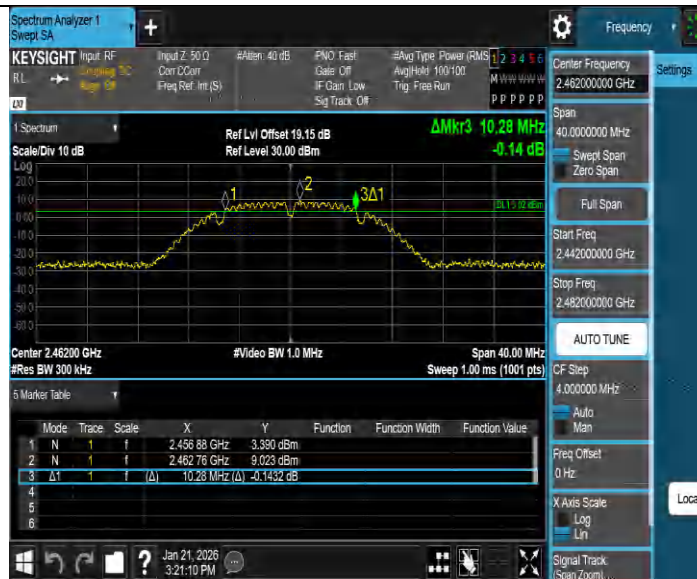


11B_Ant2_2412



11B_Ant1_2437





11G_Ant1_2412



11G_Ant2_2412



11G_Ant1_2437



11G_Ant2_2437



11G_Ant1_2462



11G_Ant2_2462





11N20MIMO Ant2 2437



11N20MIMO Ant1 2462



11N20MIMO Ant2 2462



11N40MIMO Ant1 2422



11N40MIMO Ant2 2422



11N40MIMO Ant1 2437







11AX20MIMO_Ant2_2462





11AX40MIMO_Ant2_2452



Appendix A.2: Test Results of 99% Bandwidth

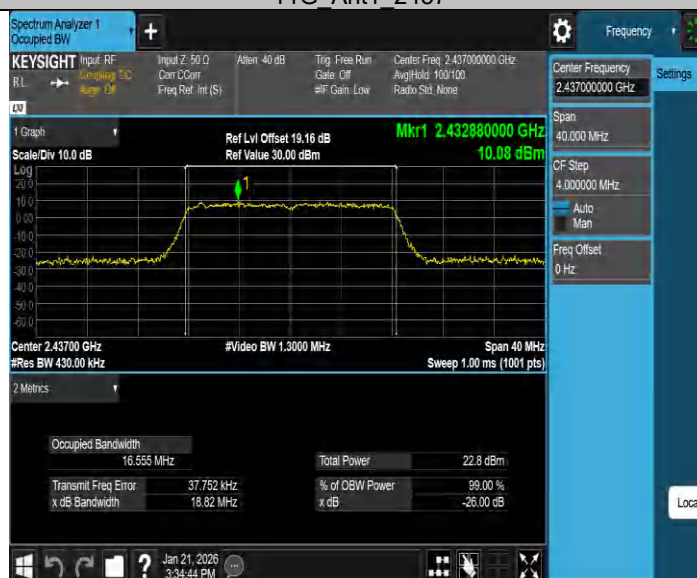
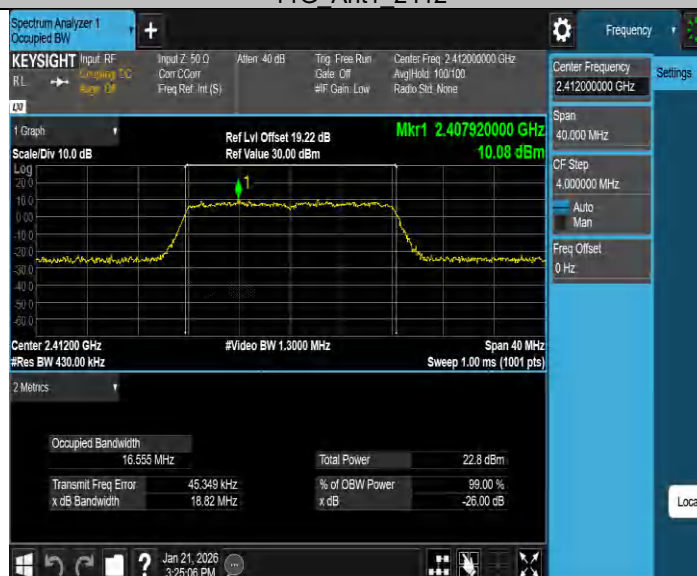
Test Result

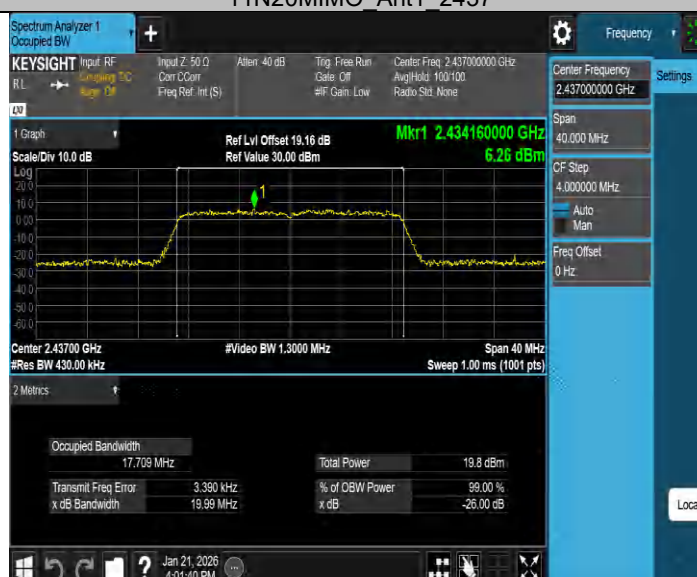
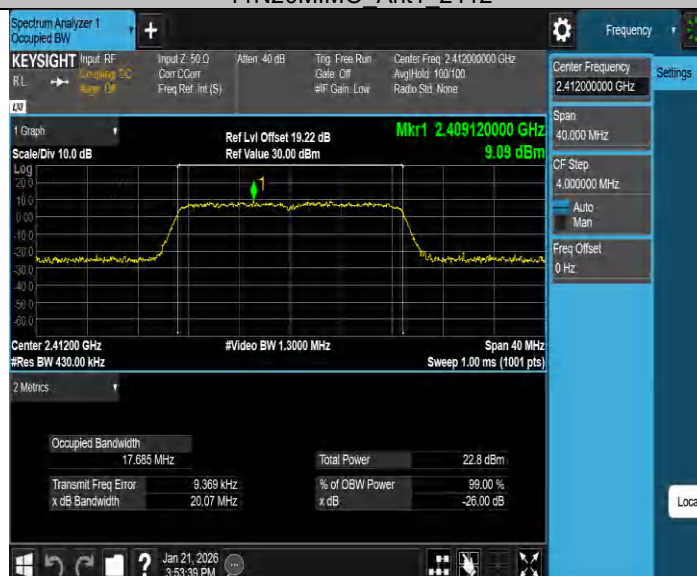
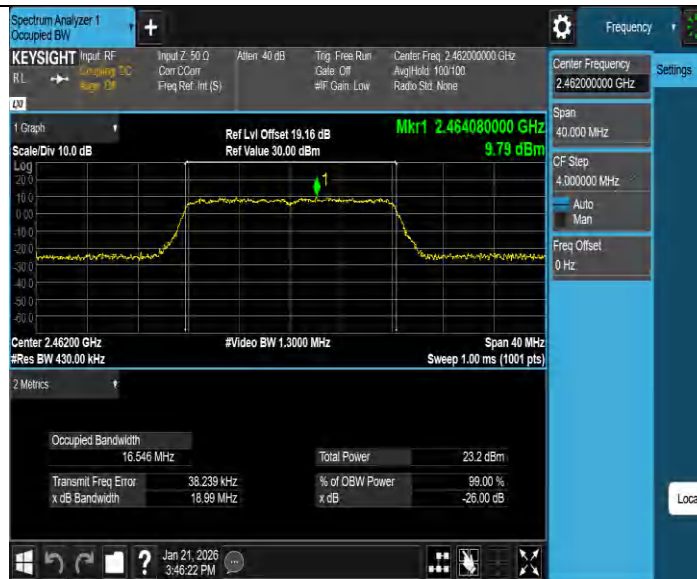
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.261	2404.3814	2419.6424	---	PASS
		2437	15.255	2429.3910	2444.6460	---	PASS
		2462	15.226	2454.4286	2469.6546	---	PASS
11G	Ant1	2412	16.555	2403.7679	2420.3229	---	PASS
		2437	16.555	2428.7603	2445.3153	---	PASS
		2462	16.546	2453.7652	2470.3112	---	PASS
11N20MIMO	Ant1	2412	17.685	2403.1669	2420.8519	---	PASS
		2437	17.709	2428.1489	2445.8579	---	PASS
		2462	17.720	2453.1517	2470.8717	---	PASS
11N40MIMO	Ant1	2422	36.484	2403.8374	2440.3214	---	PASS
		2437	36.585	2418.7880	2455.3730	---	PASS
		2452	36.557	2433.7942	2470.3512	---	PASS
11AX20MIMO	Ant1	2412	19.027	2402.4782	2421.5052	---	PASS
		2437	19.012	2427.4719	2446.4839	---	PASS
		2462	19.003	2452.4915	2471.4945	---	PASS
11AX40MIMO	Ant1	2422	38.004	2403.0409	2441.0449	---	PASS
		2437	38.035	2418.0480	2456.0830	---	PASS
		2452	38.017	2433.0495	2471.0665	---	PASS

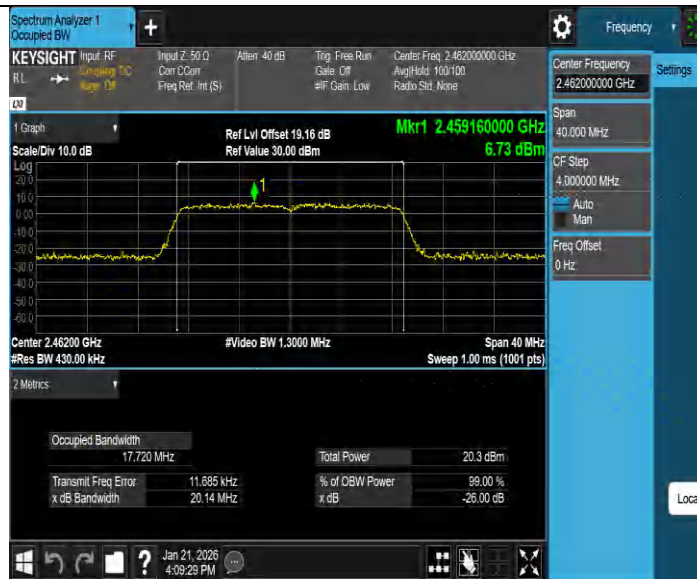
Test Graphs

11B_Ant1_2412











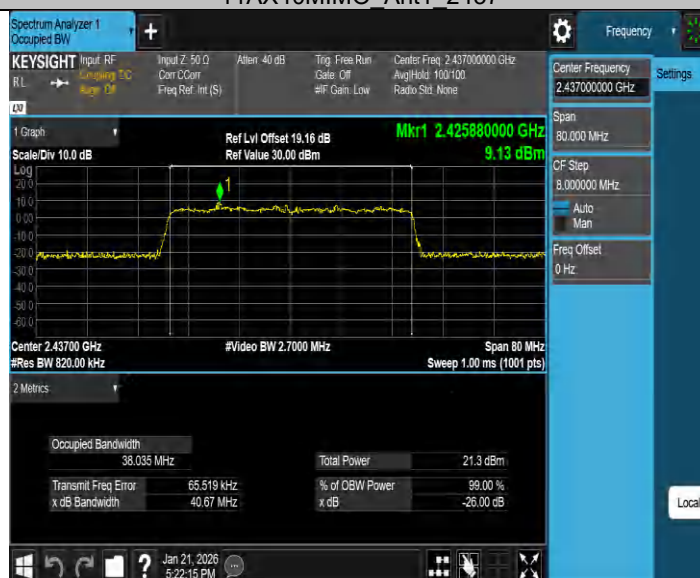
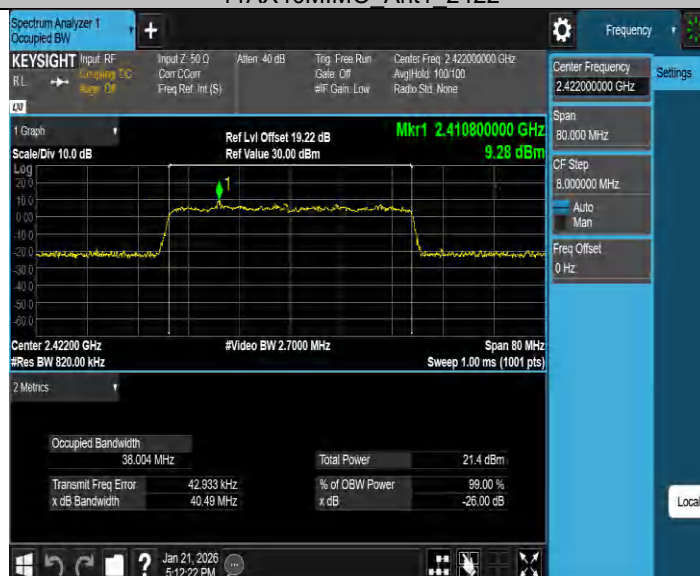
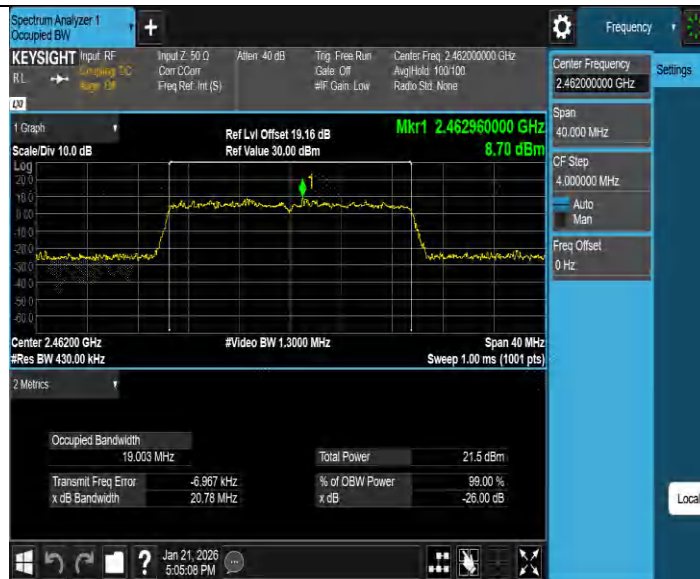
11AX20MIMO_Ant1_2412

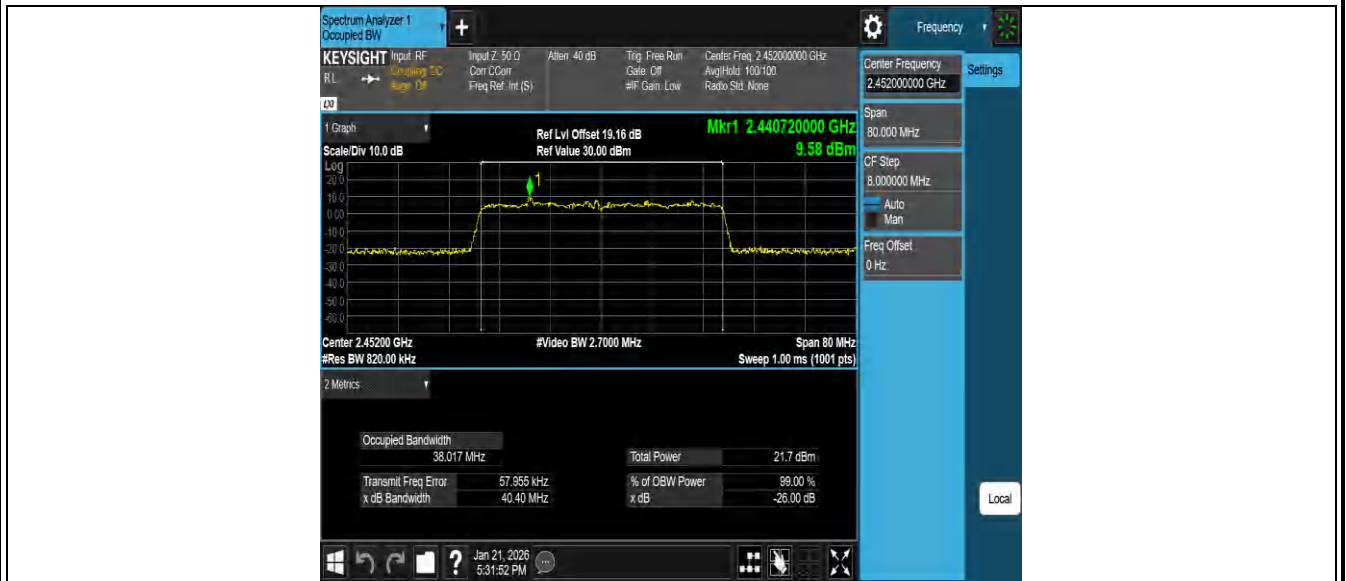


11AX20MIMO_Ant1_2437



11AX20MIMO_Ant1_2462





Appendix A.3: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.51	≤8.00	PASS
	Ant2	2412	-6.45	≤8.00	PASS
	Ant1	2437	-7.23	≤8.00	PASS
	Ant2	2437	-6.91	≤8.00	PASS
	Ant1	2462	-6.26	≤8.00	PASS
	Ant2	2462	-6.11	≤8.00	PASS
11G	Ant1	2412	-9.30	≤8.00	PASS
	Ant2	2412	-9.37	≤8.00	PASS
	Ant1	2437	-9.40	≤8.00	PASS
	Ant2	2437	-9.15	≤8.00	PASS
	Ant1	2462	-8.81	≤8.00	PASS
	Ant2	2462	-9.12	≤8.00	PASS
11N20MIMO	Ant1	2412	-11.26	≤8.00	PASS
	Ant2	2412	-10.35	≤8.00	PASS
	total	2412	-7.77	≤8.00	PASS
	Ant1	2437	-11.53	≤8.00	PASS
	Ant2	2437	-10.22	≤8.00	PASS
	total	2437	-7.82	≤8.00	PASS
	Ant1	2462	-10.91	≤8.00	PASS
	Ant2	2462	-10.35	≤8.00	PASS
	total	2462	-7.61	≤8.00	PASS
11N40MIMO	Ant1	2422	-14.19	≤8.00	PASS
	Ant2	2422	-13.62	≤8.00	PASS
	total	2422	-10.89	≤8.00	PASS
	Ant1	2437	-14.13	≤8.00	PASS
	Ant2	2437	-13.64	≤8.00	PASS
	total	2437	-10.87	≤8.00	PASS
	Ant1	2452	-13.89	≤8.00	PASS
	Ant2	2452	-13.28	≤8.00	PASS
	total	2452	-10.56	≤8.00	PASS
11AX20MIMO	Ant1	2412	-10.83	≤8.00	PASS
	Ant2	2412	-11.63	≤8.00	PASS
	total	2412	-8.20	≤8.00	PASS
	Ant1	2437	-10.99	≤8.00	PASS
	Ant2	2437	-11.43	≤8.00	PASS
	total	2437	-8.19	≤8.00	PASS
	Ant1	2462	-10.28	≤8.00	PASS
	Ant2	2462	-11.26	≤8.00	PASS
	total	2462	-7.73	≤8.00	PASS
11AX40MIMO	Ant1	2422	-13.20	≤8.00	PASS
	Ant2	2422	-11.62	≤8.00	PASS
	total	2422	-9.33	≤8.00	PASS
	Ant1	2437	-13.27	≤8.00	PASS
	Ant2	2437	-12.29	≤8.00	PASS
	total	2437	-9.74	≤8.00	PASS
	Ant1	2452	-12.84	≤8.00	PASS
	Ant2	2452	-12.52	≤8.00	PASS
	total	2452	-9.67	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant2_2412

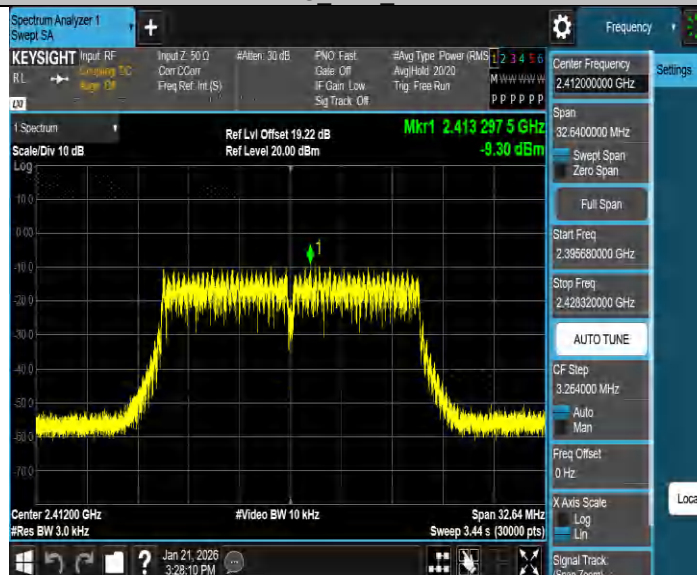


11B_Ant1_2437

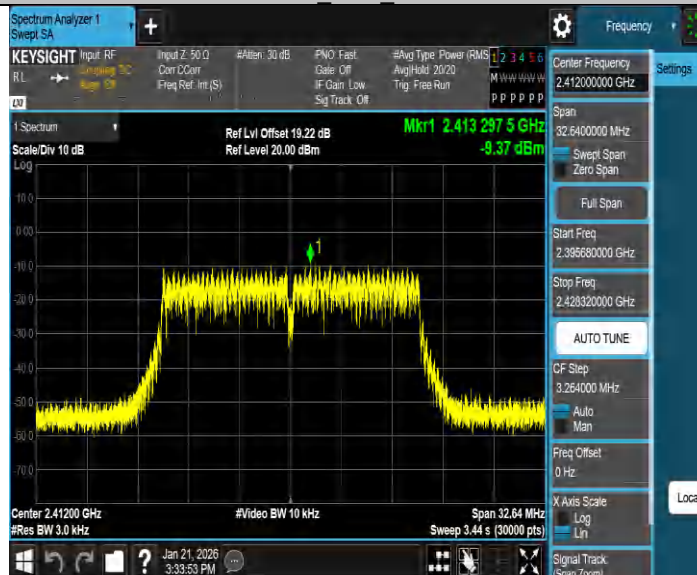




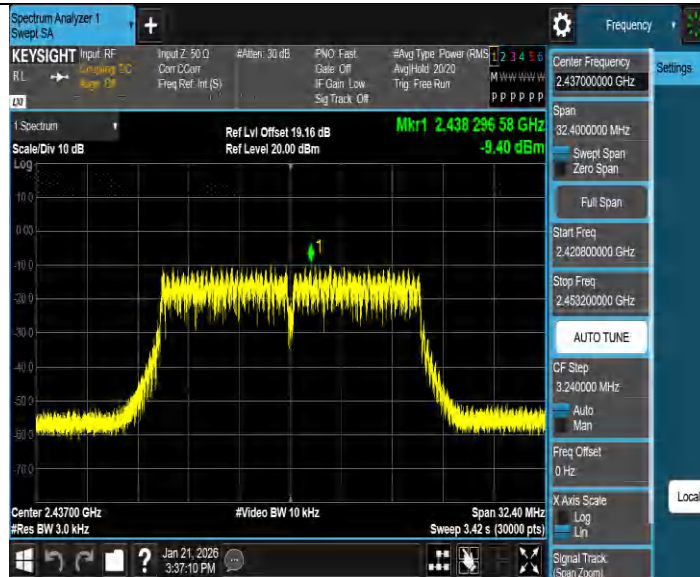
11G_Ant1_2412



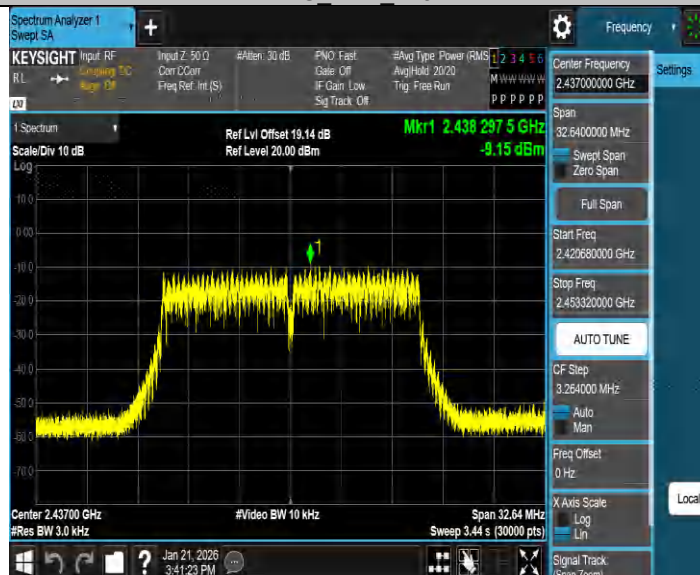
11G_Ant2_2412



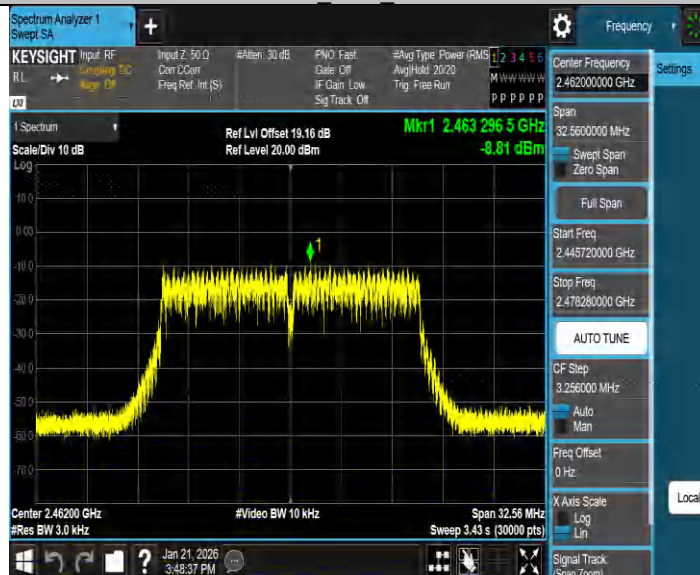
11G_Ant1_2437



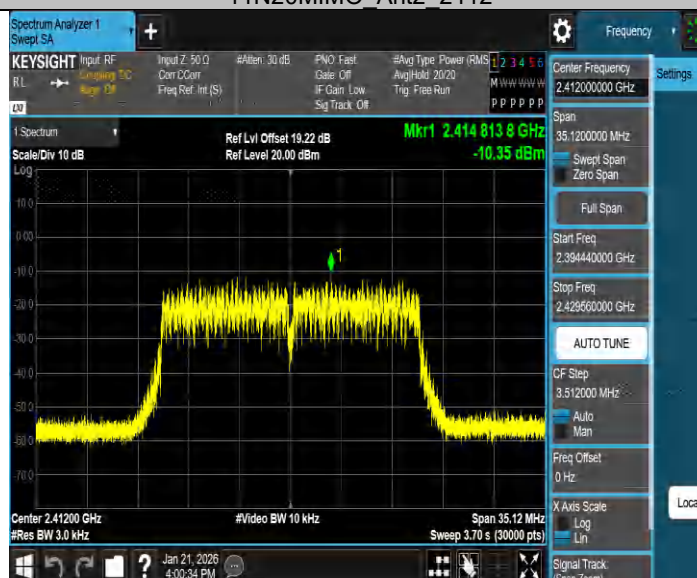
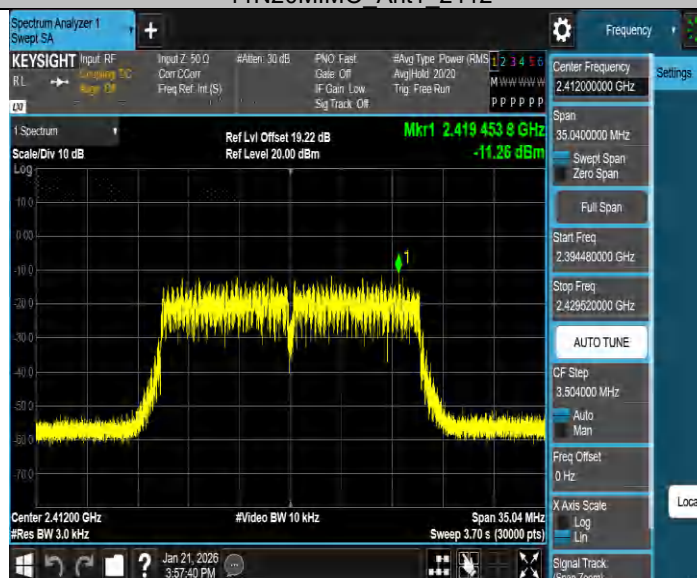
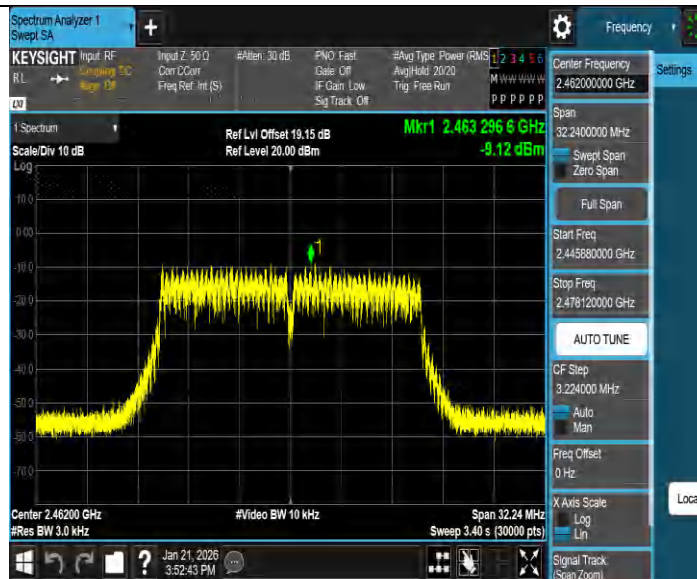
11G_Ant2_2437

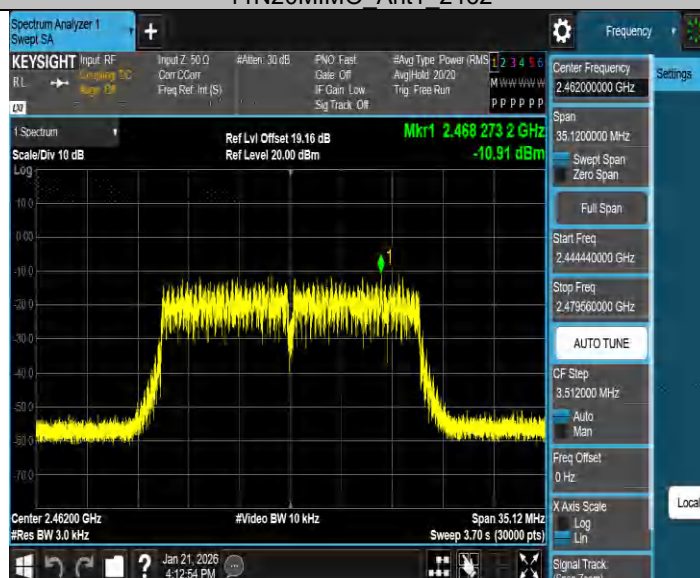
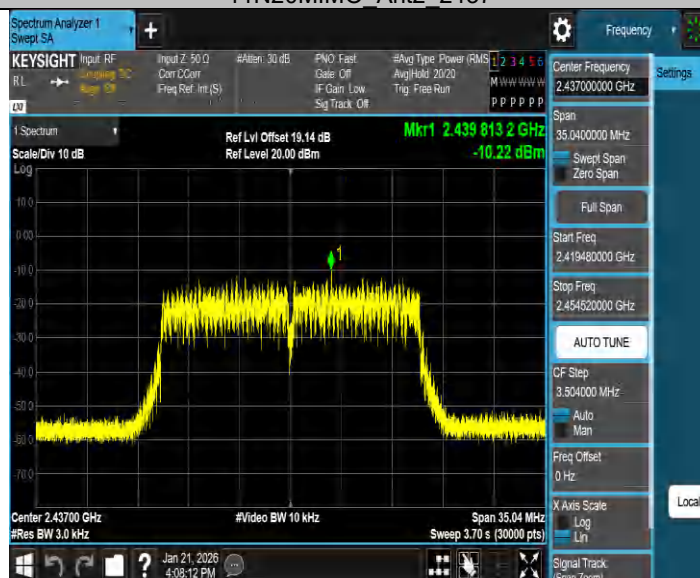
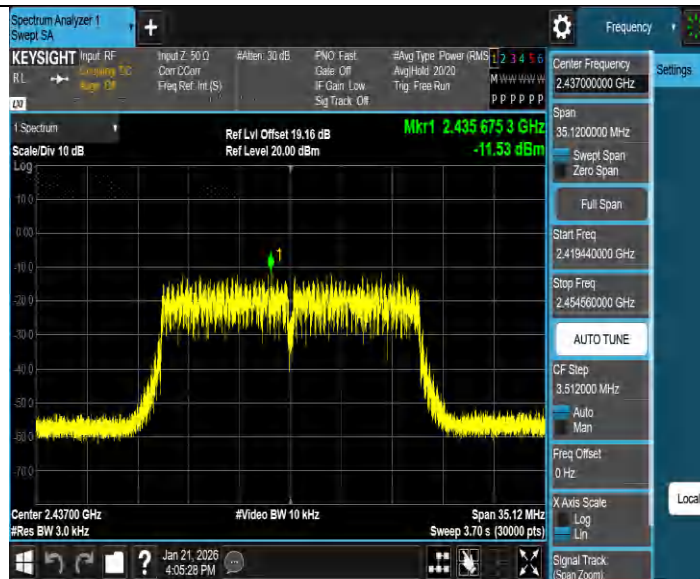


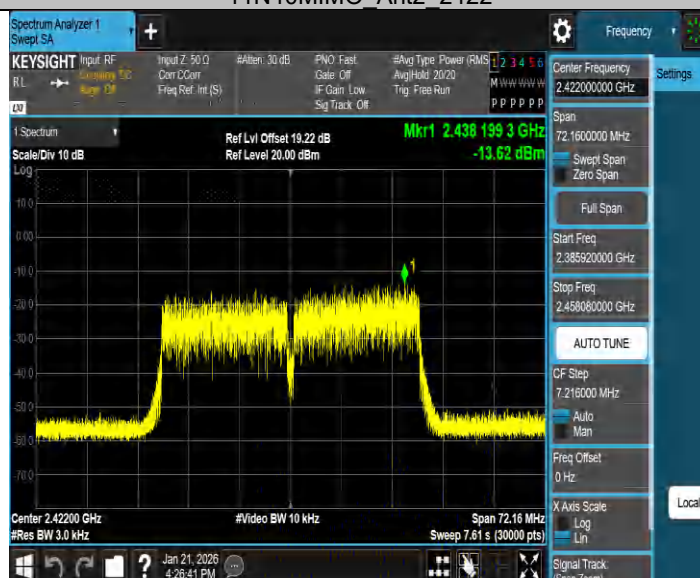
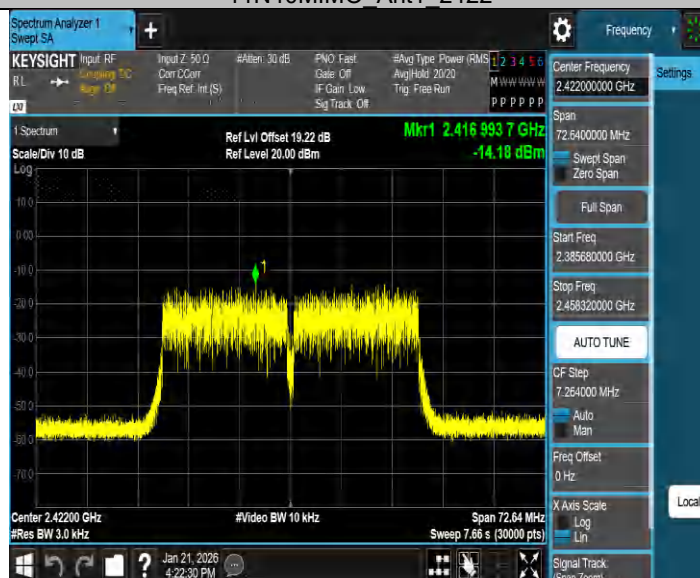
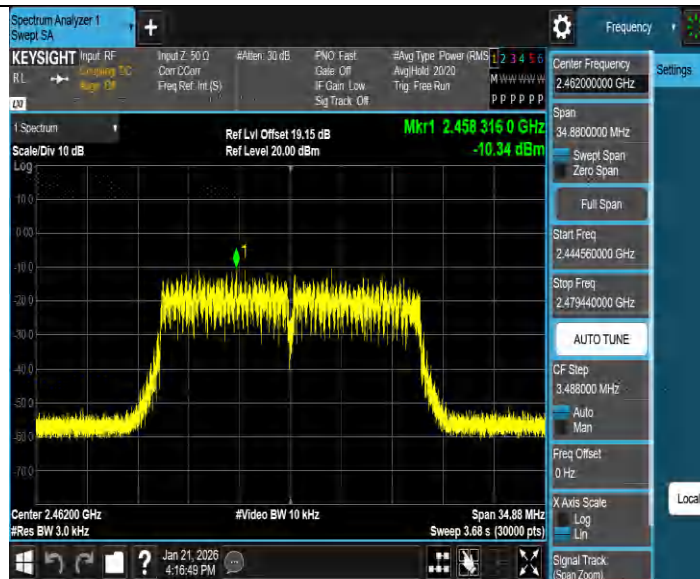
11G_Ant1_2462



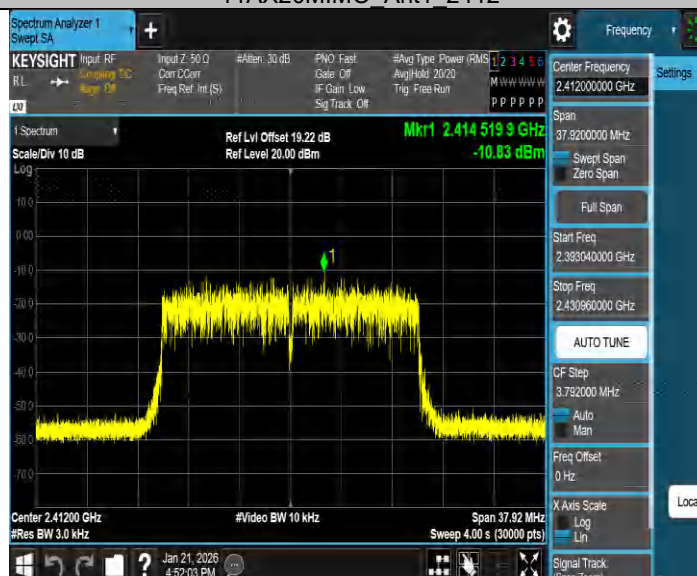
11G_Ant2_2462

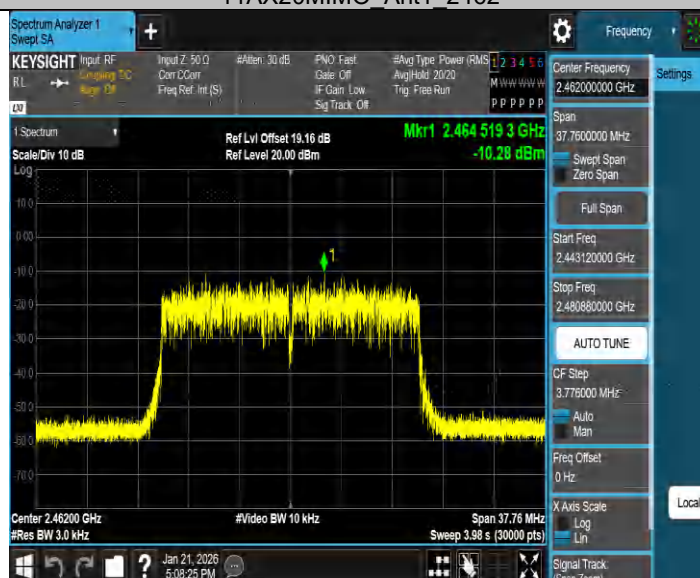
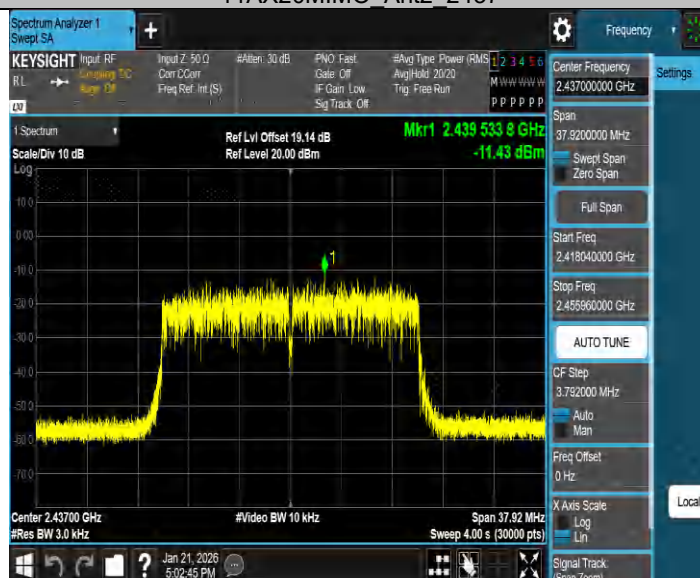
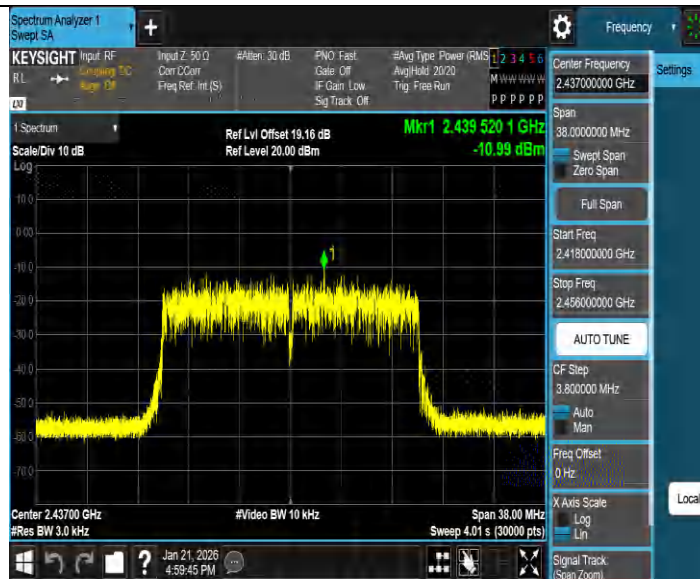




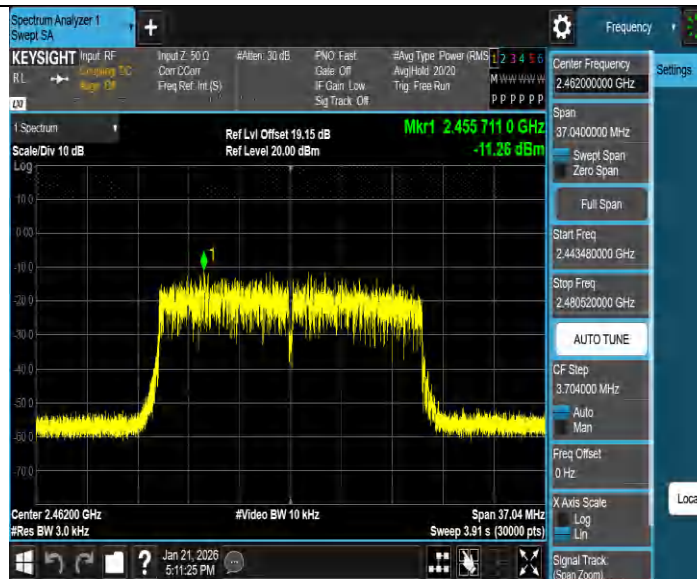








11AX20MIMO_Ant2_2462



11AX40MIMO_Ant1_2422



11AX40MIMO_Ant2_2422



11AX40MIMO_Ant1_2437





Appendix A.4: Test Results of Band Edge Measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.29	-36.01	≤-12.71	PASS
		High	2462	7.84	-37.32	≤-12.17	PASS
11G	Ant1	Low	2412	5.95	-36.02	≤-14.05	PASS
		High	2462	6.55	-37.13	≤-13.45	PASS
11N20MIMO	Ant1	Low	2412	3.03	-37.7	≤-16.97	PASS
		High	2462	3.54	-36.92	≤-16.46	PASS
11N40MIMO	Ant1	Low	2422	-0.05	-36.96	≤-20.05	PASS
		High	2452	0.19	-36.4	≤-19.81	PASS
11AX20MIMO	Ant1	Low	2412	2.96	-37.02	≤-17.04	PASS
		High	2462	3.14	-36.74	≤-16.87	PASS
11AX40MIMO	Ant1	Low	2422	-0.40	-37.9	≤-20.4	PASS
		High	2452	-0.02	-37.07	≤-20.02	PASS

Test Graphs

11B Ant1 Low 2412

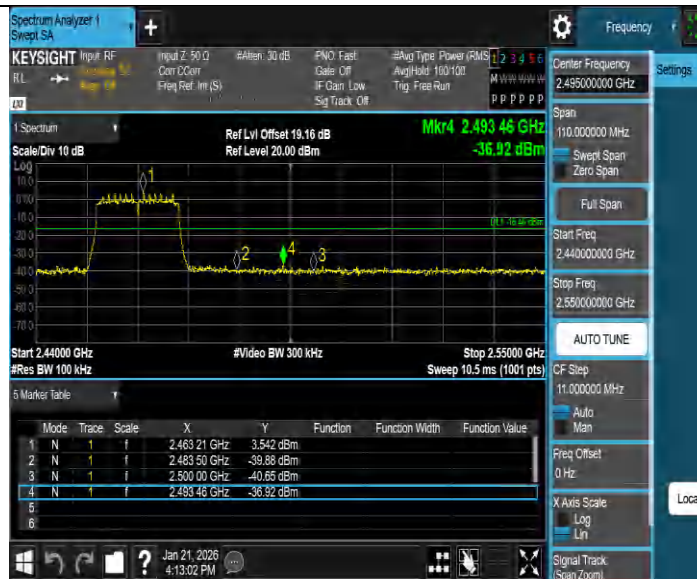


11B Ant1 High 2462

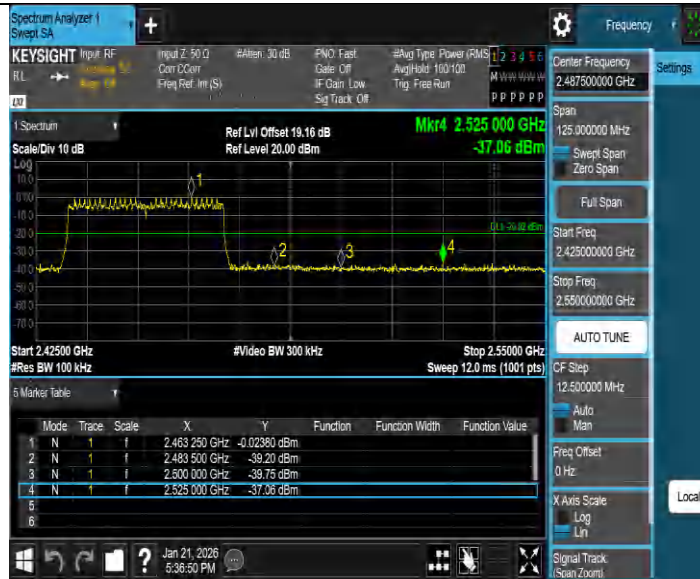


11G Ant1 Low 2412









Appendix A.5: Test Results of Conducted Spurious Emissions

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.04	7.04	---	PASS
			30~1000	7.04	-50.4	≤-12.96	PASS
			1000~26500	7.04	-41.18	≤-12.96	PASS
		2437	Reference	5.86	5.86	---	PASS
			30~1000	5.86	-51.49	≤-14.14	PASS
			1000~26500	5.86	-43.2	≤-14.14	PASS
		2462	Reference	7.40	7.40	---	PASS
			30~1000	7.40	-50.81	≤-12.6	PASS
			1000~26500	7.40	-41.29	≤-12.6	PASS
11G	Ant1	2412	Reference	6.05	6.05	---	PASS
			30~1000	6.05	-50.87	≤-13.95	PASS
			1000~26500	6.05	-50.55	≤-13.95	PASS
		2437	Reference	5.48	5.48	---	PASS
			30~1000	5.48	-51.14	≤-14.52	PASS
			1000~26500	5.48	-51.54	≤-14.52	PASS
		2462	Reference	5.75	5.75	---	PASS
			30~1000	5.75	-51.75	≤-14.25	PASS
			1000~26500	5.75	-48.7	≤-14.25	PASS
11N20MIMO	Ant1	2412	Reference	2.24	2.24	---	PASS
			30~1000	2.24	-50.71	≤-17.76	PASS
			1000~26500	2.24	-53.44	≤-17.76	PASS
		2437	Reference	2.69	2.69	---	PASS
			30~1000	2.69	-51.11	≤-17.31	PASS
			1000~26500	2.69	-54.08	≤-17.31	PASS
		2462	Reference	2.83	2.83	---	PASS
			30~1000	2.83	-50.76	≤-17.17	PASS
			1000~26500	2.83	-53.19	≤-17.17	PASS
11N40MIMO	Ant1	2422	Reference	-0.14	-0.14	---	PASS
			30~1000	-0.14	-50.31	≤-20.14	PASS
			1000~26500	-0.14	-53.36	≤-20.14	PASS
		2437	Reference	-0.61	-0.61	---	PASS
			30~1000	-0.61	-50.37	≤-20.61	PASS
			1000~26500	-0.61	-52.91	≤-20.61	PASS
		2452	Reference	-0.10	-0.10	---	PASS
			30~1000	-0.10	-50.95	≤-20.1	PASS
			1000~26500	-0.10	-53.21	≤-20.1	PASS
11AX20MIMO	Ant1	2412	Reference	2.02	2.02	---	PASS
			30~1000	2.02	-51.32	≤-17.98	PASS
			1000~26500	2.02	-53.3	≤-17.98	PASS
		2437	Reference	2.21	2.21	---	PASS
			30~1000	2.21	-51.32	≤-17.79	PASS
			1000~26500	2.21	-53.77	≤-17.79	PASS
		2462	Reference	2.85	2.85	---	PASS
			30~1000	2.85	-51.23	≤-17.15	PASS
			1000~26500	2.85	-53.78	≤-17.15	PASS
11AX40MIMO	Ant1	2422	Reference	-0.69	-0.69	---	PASS
			30~1000	-0.69	-51.22	≤-20.69	PASS
			1000~26500	-0.69	-53.8	≤-20.69	PASS
		2437	Reference	-0.83	-0.83	---	PASS
			30~1000	-0.83	-50.85	≤-20.83	PASS
			1000~26500	-0.83	-53.48	≤-20.83	PASS
		2452	Reference	-0.13	-0.13	---	PASS
			30~1000	-0.13	-50.56	≤-20.13	PASS
			1000~26500	-0.13	-53.2	≤-20.13	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



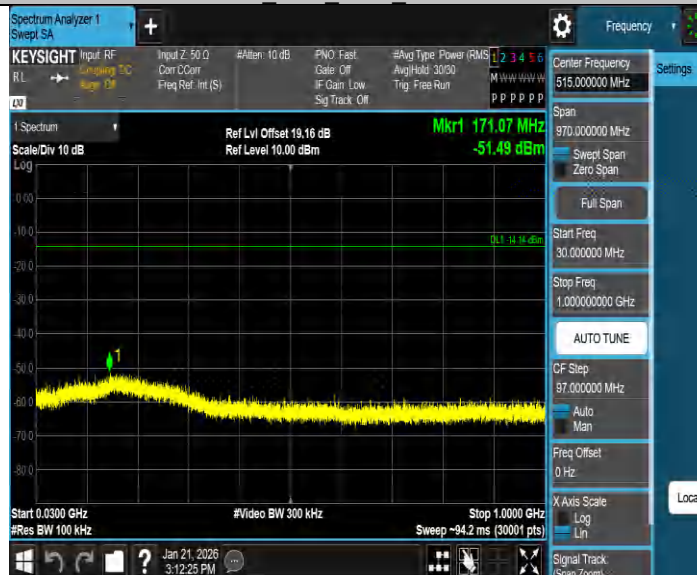
11B_Ant1_2412_1000~26500



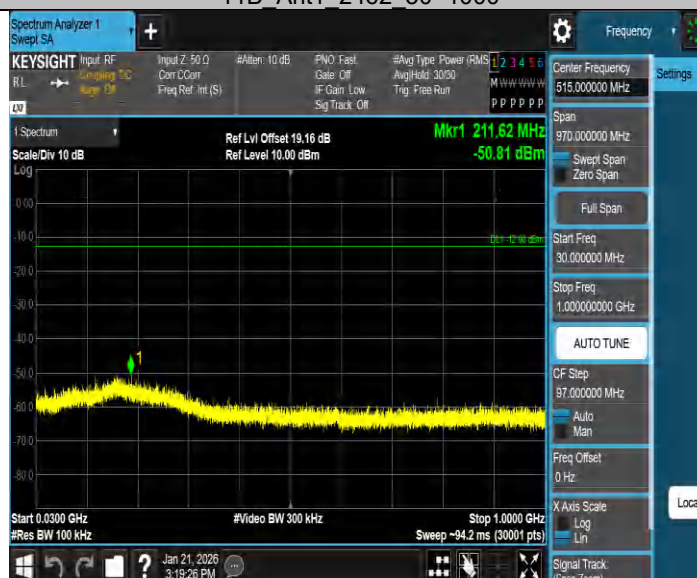
11B_Ant1_2437_0~Reference

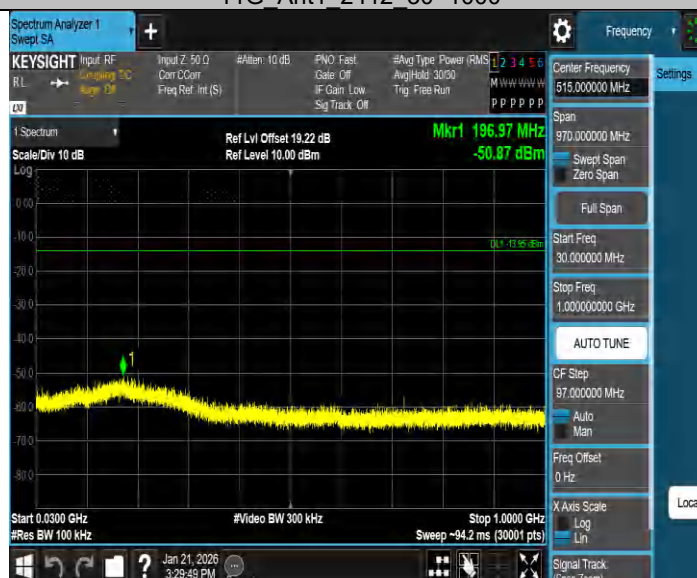
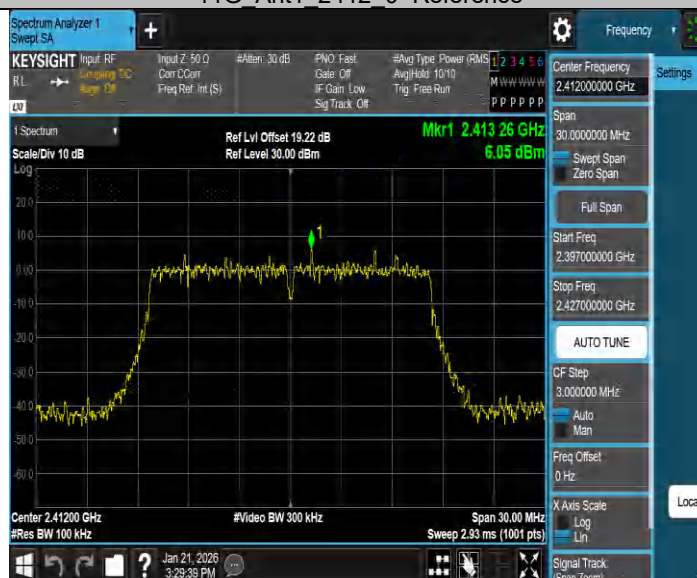


11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500







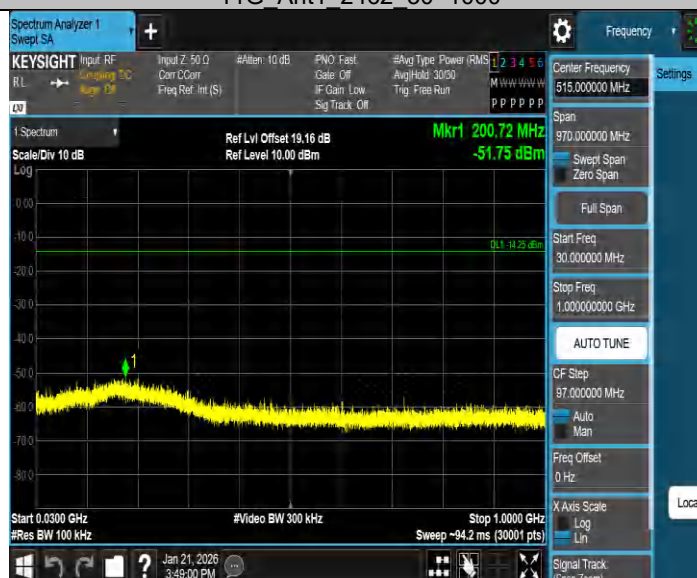
11G Ant1_2437_0~Reference

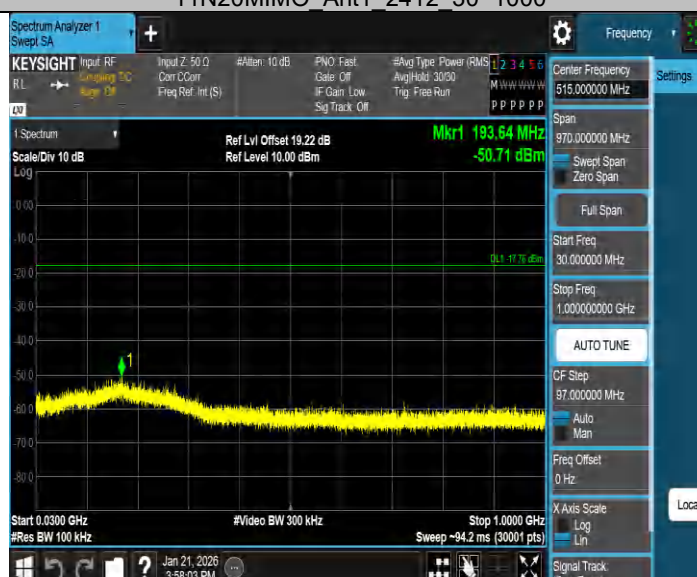
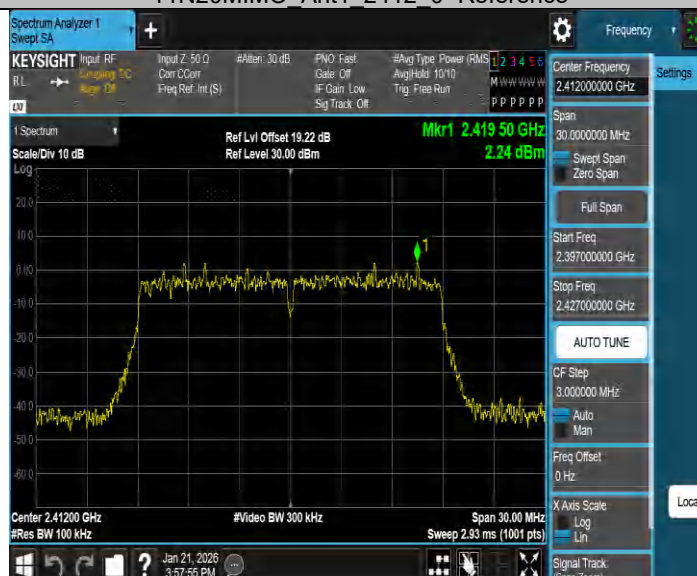


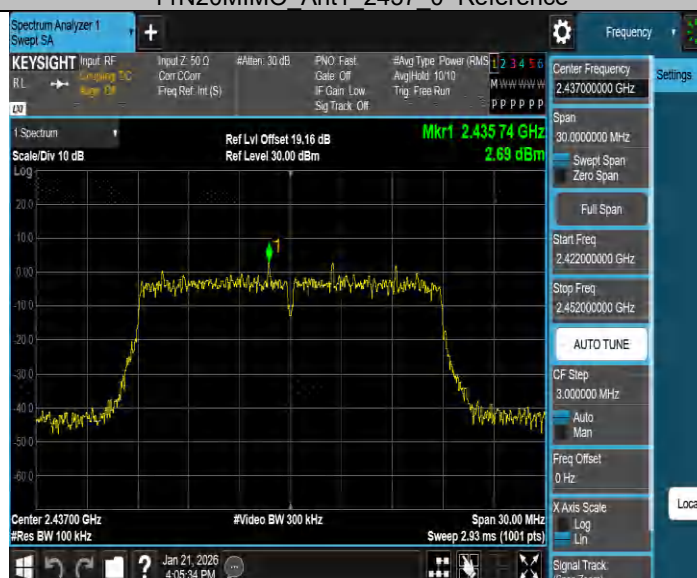
11G Ant1_2437_30~1000

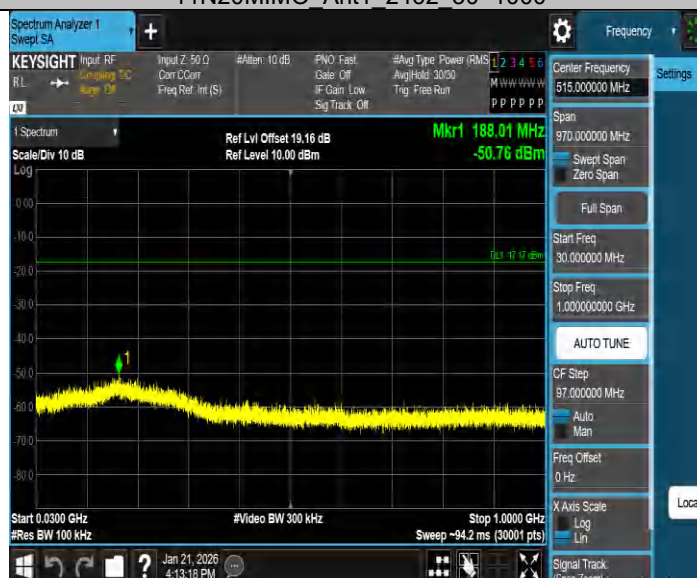


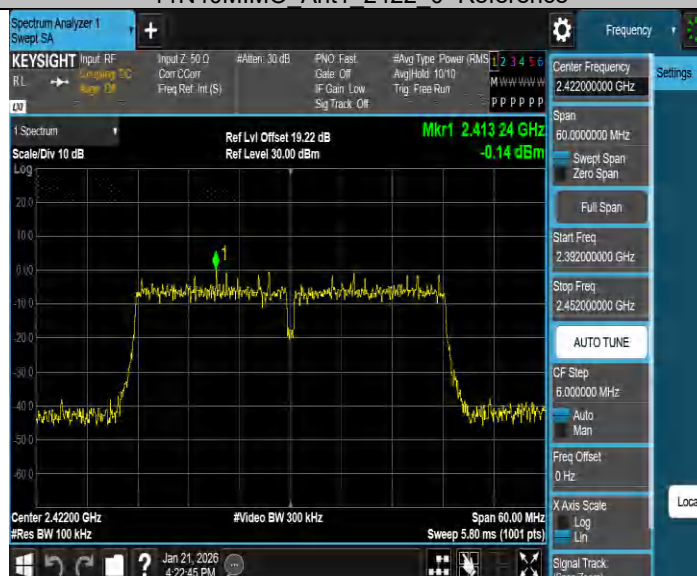
11G Ant1_2437_1000~26500

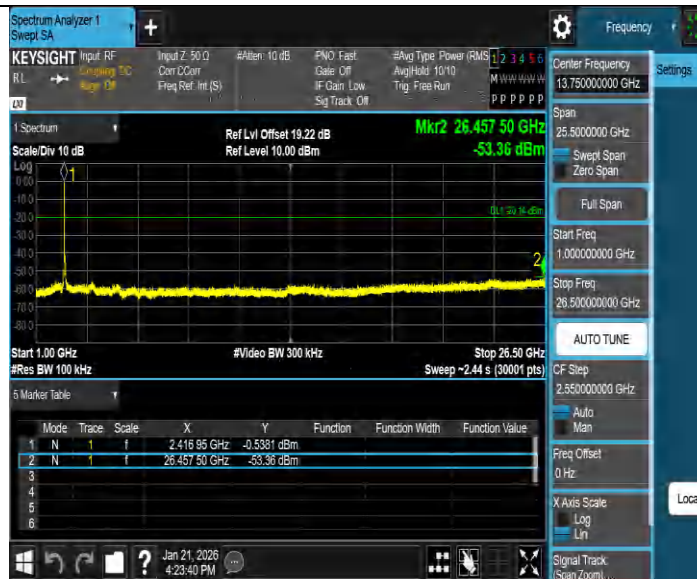












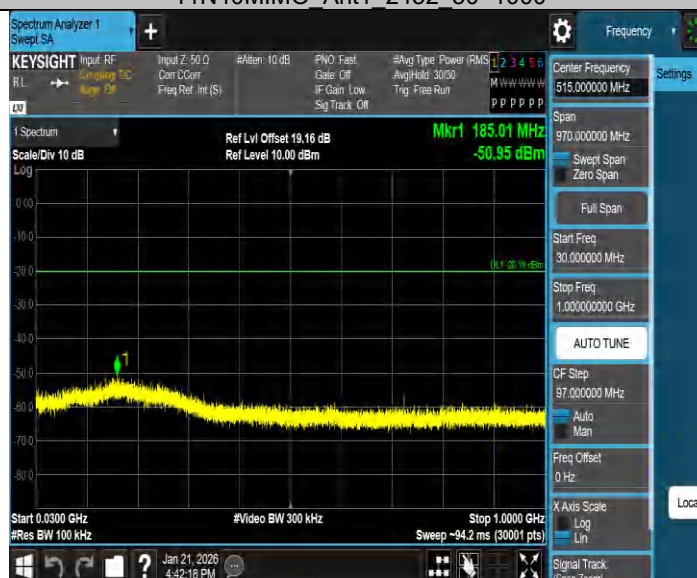
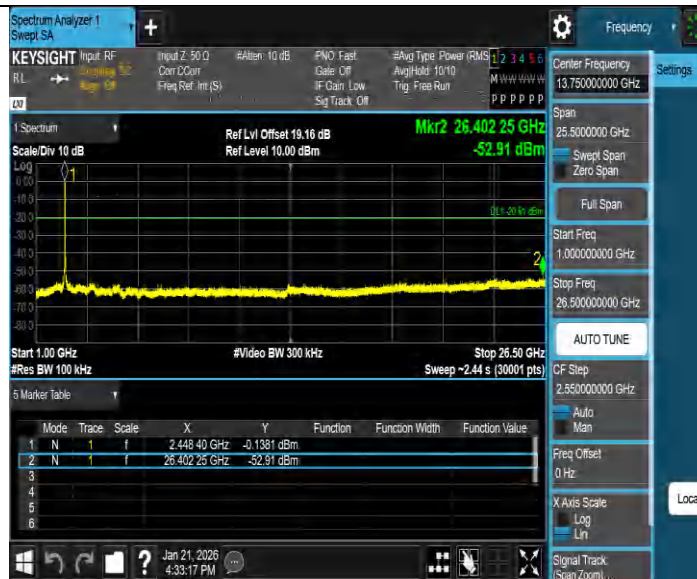
11N40MIMO_Ant1_2437_0~Reference



11N40MIMO_Ant1_2437_30~1000



11N40MIMO_Ant1_2437_1000~26500

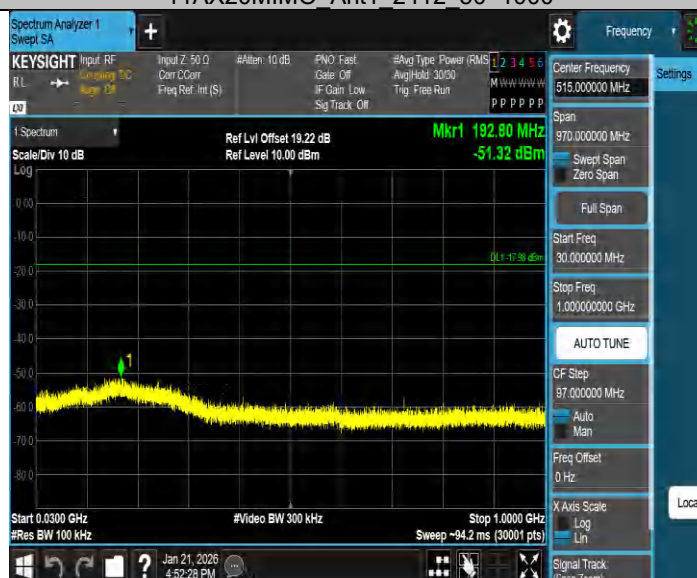




11AX20MIMO Ant1 2412 0~Reference

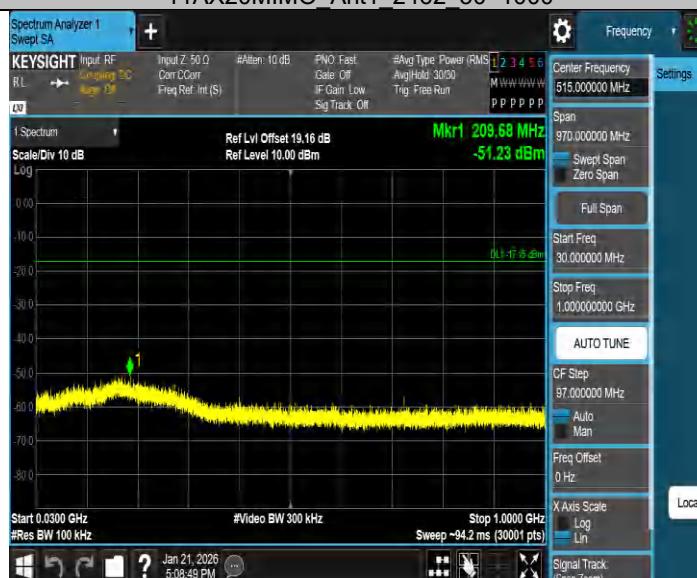


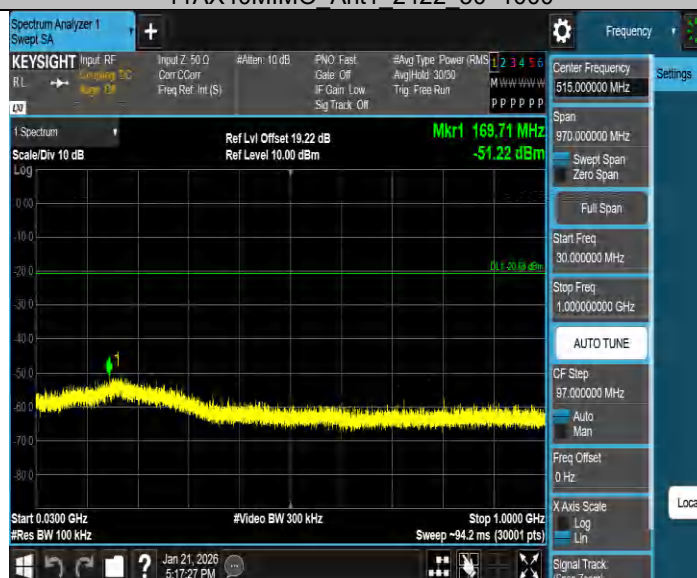
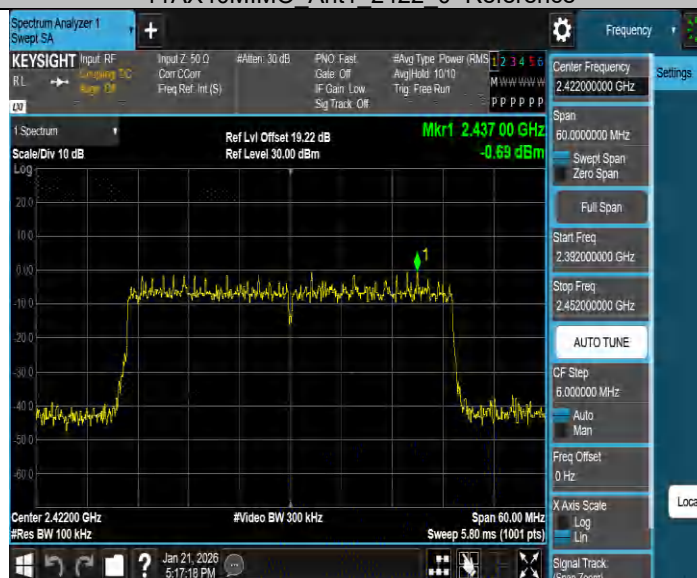
11AX20MIMO Ant1 2412 30~1000

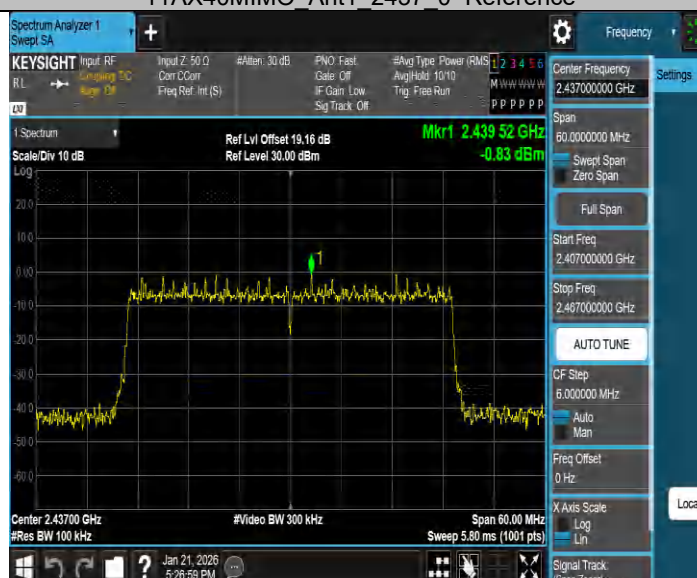
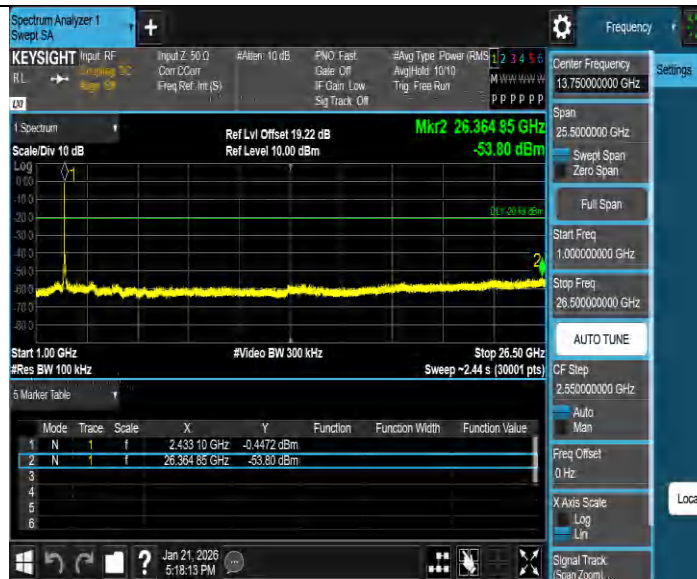


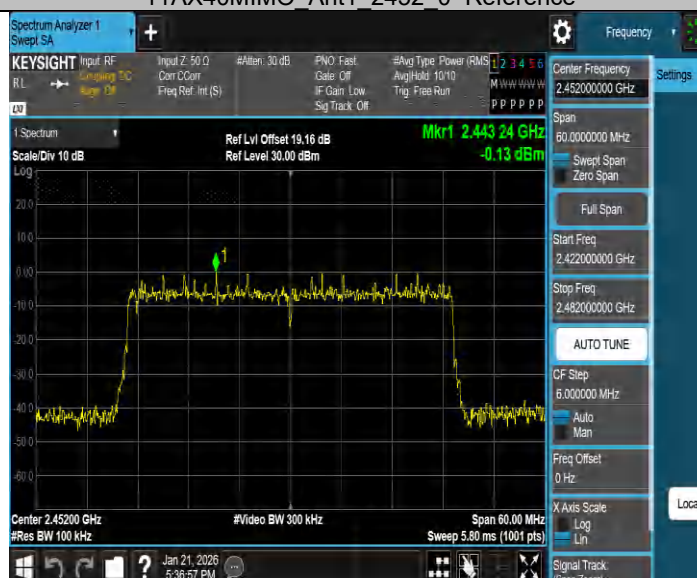
11AX20MIMO Ant1 2412 1000~26500













Appendix A.6: Test Results of Radiated Spurious Emissions

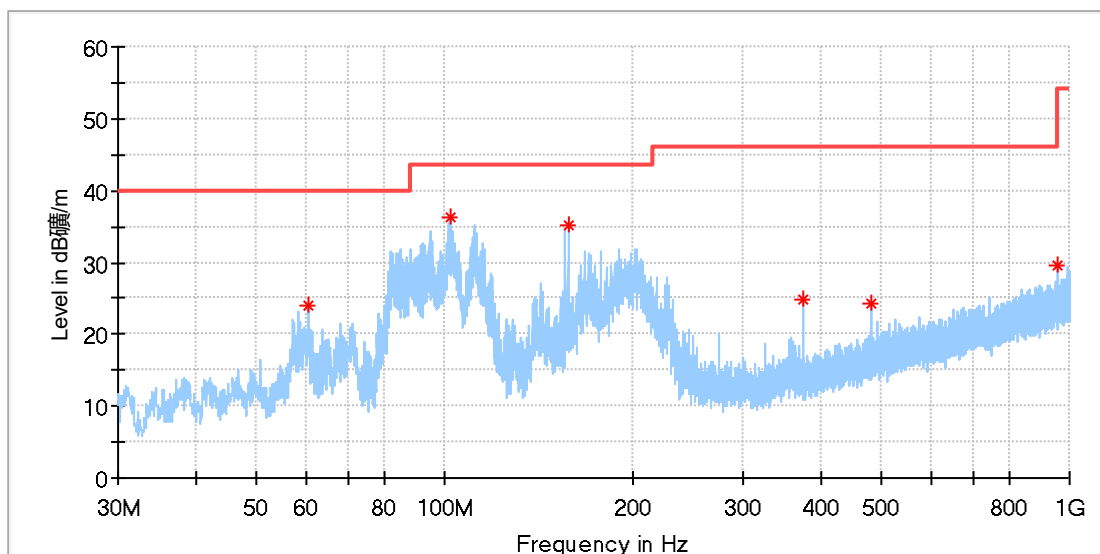
Note:

- 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

EUT Information

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

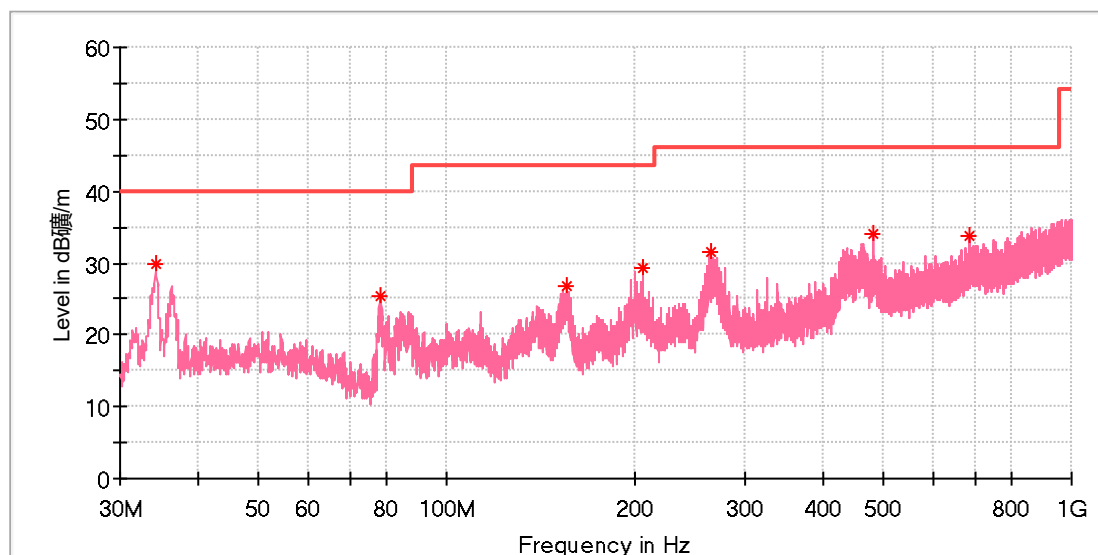
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
60.629615	24.03	40.00	15.97	100.0	H	341.0	-19.3
102.153077	36.37	43.50	7.13	100.0	H	110.0	-19.0
157.443077	35.08	43.50	8.42	100.0	H	319.0	-21.9
375.021539	24.90	46.00	21.10	100.0	H	359.0	-14.3
480.005385	24.39	46.00	21.61	100.0	H	159.0	-12.1
960.043462	29.69	54.00	24.31	100.0	H	359.0	-4.1

Final Result

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

EUT Information

EUT Name: AiMOGA Argos
Model: X1
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168584454/A004155645-001
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.178462	29.93	40.00	10.07	100.0	V	344.0	-22.3
78.238846	25.53	40.00	14.47	100.0	V	17.0	-23.5
155.316539	26.71	43.50	16.79	100.0	V	155.0	-22.0
206.465385	29.34	43.50	14.16	100.0	V	17.0	-19.0
264.702692	31.51	46.00	14.49	100.0	V	0.0	-17.0
480.005385	34.08	46.00	11.92	100.0	V	200.0	-12.1
686.913846	33.82	46.00	12.18	100.0	V	43.0	-8.2

Final Result

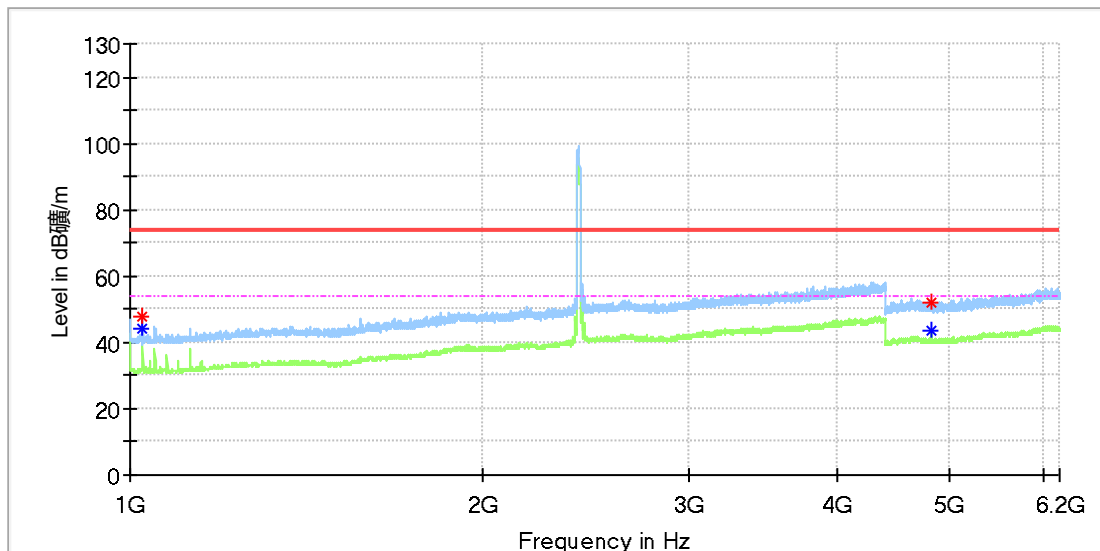
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

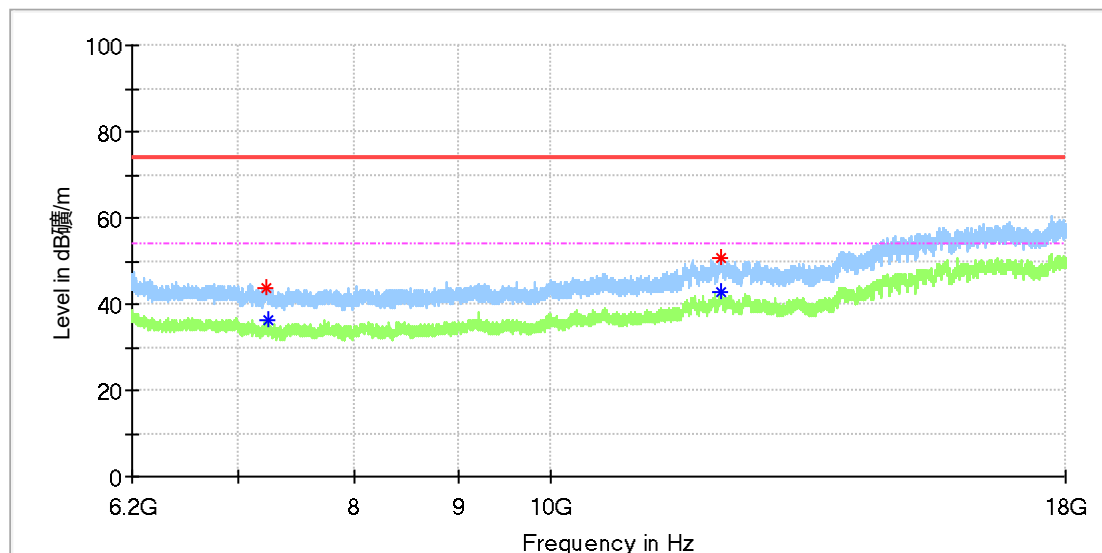
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1024.500000	47.81	---	74.00	26.19	150.0	H	328.0	0.4
1025.000000	---	43.94	54.00	10.06	150.0	H	321.0	0.4
4824.000000	51.95	---	74.00	22.05	150.0	H	224.0	13.3
4824.000000	---	43.55	54.00	10.45	150.0	H	224.0	13.3

Final_Result

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

EUT Information

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

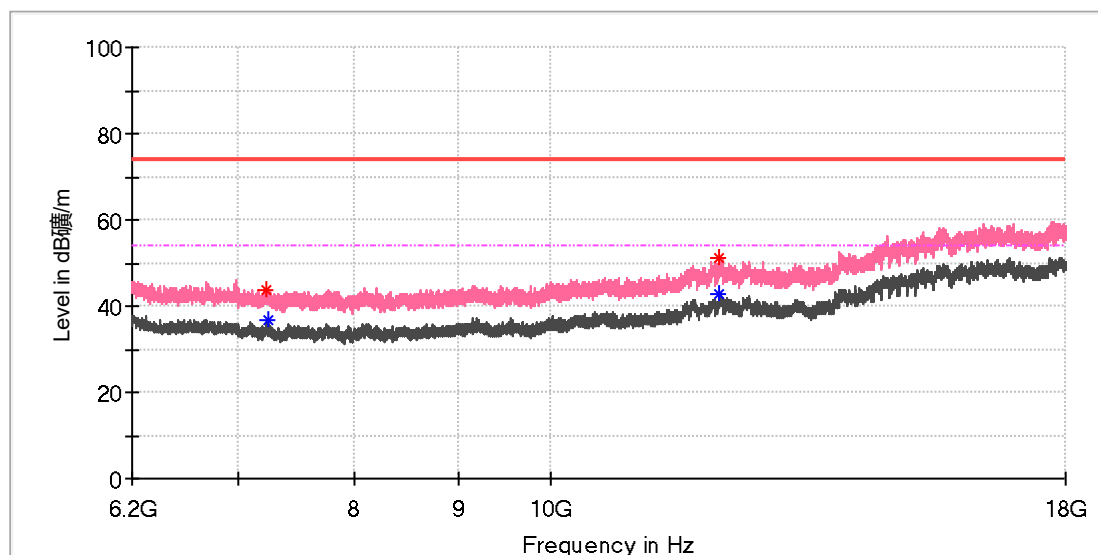
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7231.025000	43.78	---	74.00	30.22	150.0	H	101.0	8.6
7240.858333	---	36.30	54.00	17.70	150.0	H	164.0	8.6
12136.875000	50.66	---	74.00	23.34	150.0	H	271.0	16.4
12155.066667	---	42.79	54.00	11.21	150.0	H	199.0	16.5

Final Result

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

EUT Information

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

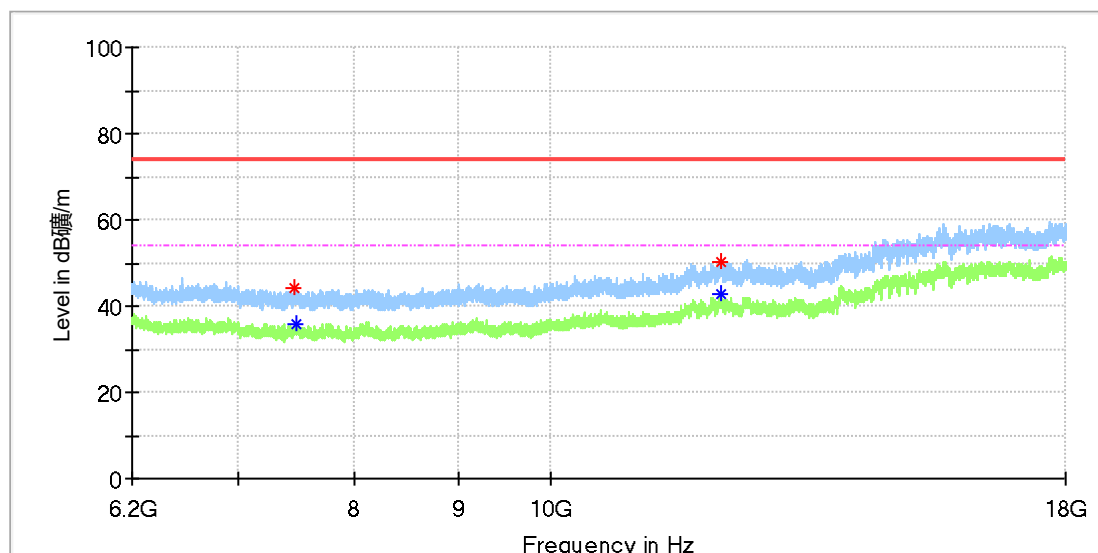
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7223.158333	43.51	---	74.00	30.49	150.0	V	54.0	8.7
7238.891667	---	36.73	54.00	17.27	150.0	V	283.0	8.6
12123.600000	---	42.99	54.00	11.01	150.0	V	221.0	16.0
12125.075000	51.27	---	74.00	22.73	150.0	V	170.0	16.1

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7465.550000	44.30	---	74.00	29.70	150.0	H	271.0	8.6
7476.366667	---	35.77	54.00	18.23	150.0	H	213.0	8.6
12137.366667	---	42.68	54.00	11.32	150.0	H	359.0	16.4
12137.858333	50.12	---	74.00	23.88	150.0	H	302.0	16.4

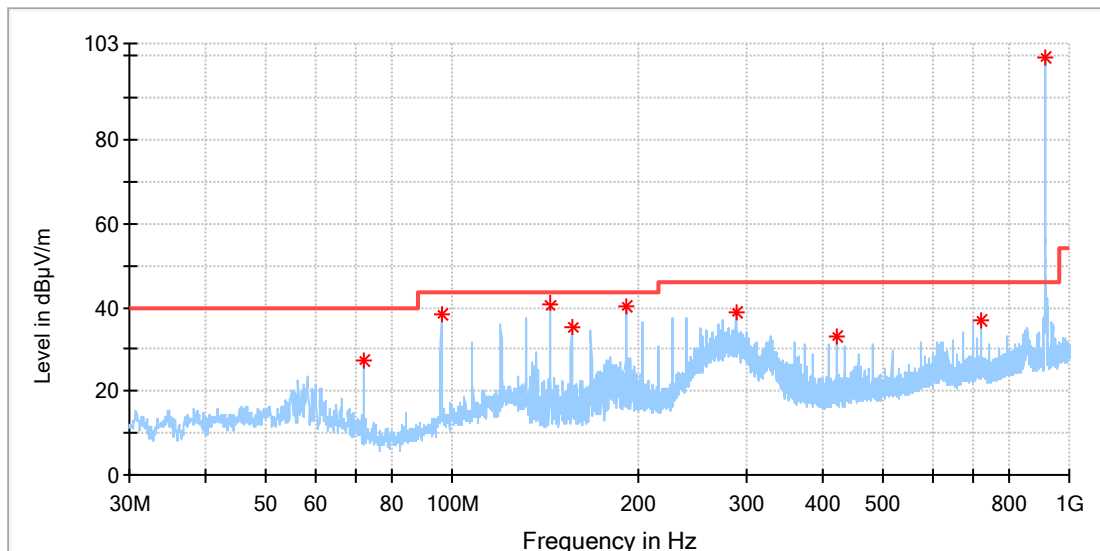
Final Result

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

30MHz - 1GHz for co-location

EUT Information

EUT Name: AiMOGA Argos
Model: X1
Test Mode: WIFI 2.4G+Lora
Order No/Sample No: 168584454/A004155645-001
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

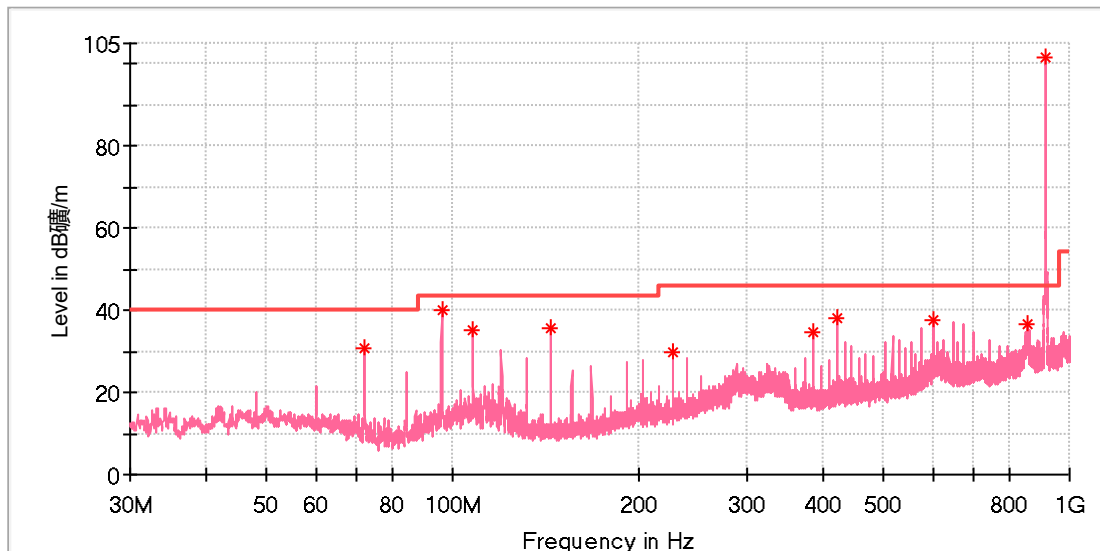
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
71.979444	27.25	40.00	12.75	100.0	H	311.0	-22.6
95.960000	38.47	43.50	5.03	100.0	H	324.0	-19.7
144.028889	40.40	43.50	3.10	100.0	H	262.0	-22.4
155.992222	36.02	43.50	7.48	100.0	H	262.0	-22.0
191.990000	40.01	43.50	3.49	100.0	H	0.0	-19.5
288.020000	38.80	46.00	7.20	100.0	H	332.0	-16.6
420.047778	33.01	46.00	12.99	100.0	H	119.0	-13.2
720.101111	36.81	46.00	9.19	100.0	H	255.0	-7.6
914.532222	99.78	---	---	100.0	H	240.0	-4.6

Final Result

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

EUT Information

EUT Name: AiMOGA Argos
Model: X1
Test Mode: WIFI 2.4G+Lora
Order No/Sample No: 168584454/A004155645-001
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
71.979444	30.95	40.00	9.05	100.0	V	43.0	-22.6
96.013889	39.91	43.50	3.59	100.0	V	243.0	-19.7
107.977222	35.34	43.50	8.16	100.0	V	133.0	-19.1
144.028889	35.70	43.50	7.80	100.0	V	290.0	-22.4
228.041667	29.94	46.00	16.06	100.0	V	57.0	-18.2
384.050000	34.52	46.00	11.48	100.0	V	221.0	-14.1
420.047778	38.02	46.00	7.98	100.0	V	168.0	-13.2
600.090556	37.67	46.00	8.33	100.0	V	35.0	-9.7
851.859444	36.53	46.00	9.47	100.0	V	230.0	-5.4
914.478333	101.44	---	---	100.0	V	243.0	-4.6

Final Result

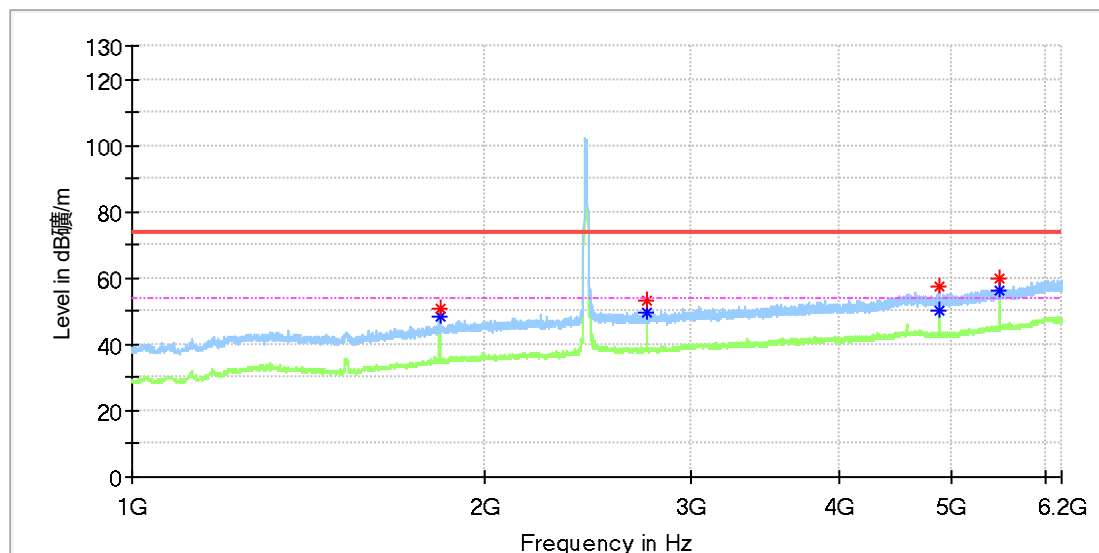
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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1GHz - 18GHz for co-location

Note: The highest waveform in the figure is Wi-Fi and/or Lora Fundamental.

EUT Information

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G+Lora
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

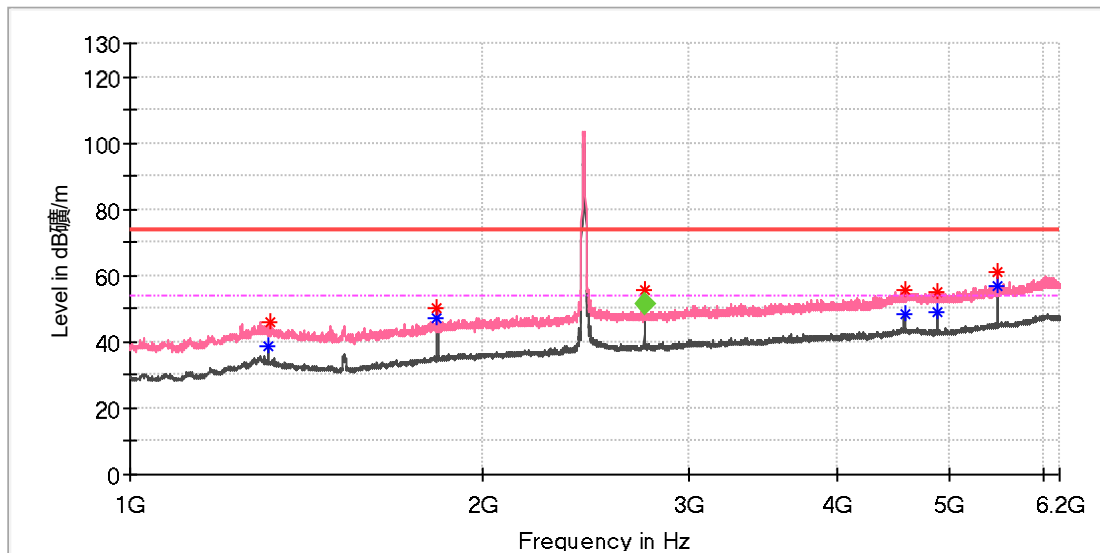
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1829.000000	50.89	---	79.78	28.89	150.0	H	265.0	6.4
1829.000000	---	48.35	69.78	21.43	150.0	H	265.0	6.4
2743.000000	---	49.61	54.00	4.39	150.0	H	355.0	9.3
2743.500000	53.35	---	74.00	20.65	150.0	H	2.0	9.3
4874.000000	57.48	---	74.00	16.52	150.0	H	272.0	13.3
4874.000000	---	50.33	54.00	3.67	150.0	H	272.0	13.3
5487.500000	59.78	---	79.78	20.00	150.0	H	11.0	15.2
5487.500000	---	56.19	69.78	13.59	150.0	H	11.0	15.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.0	100.0	100.0	100.0	100.0	100.0		100.0	

EUT Information

EUT Name: AiMOGA Argos
Model: X1
Test Mode: WIFI 2.4G+Lora
Order No/Sample No: 168584454/A004155645-001
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

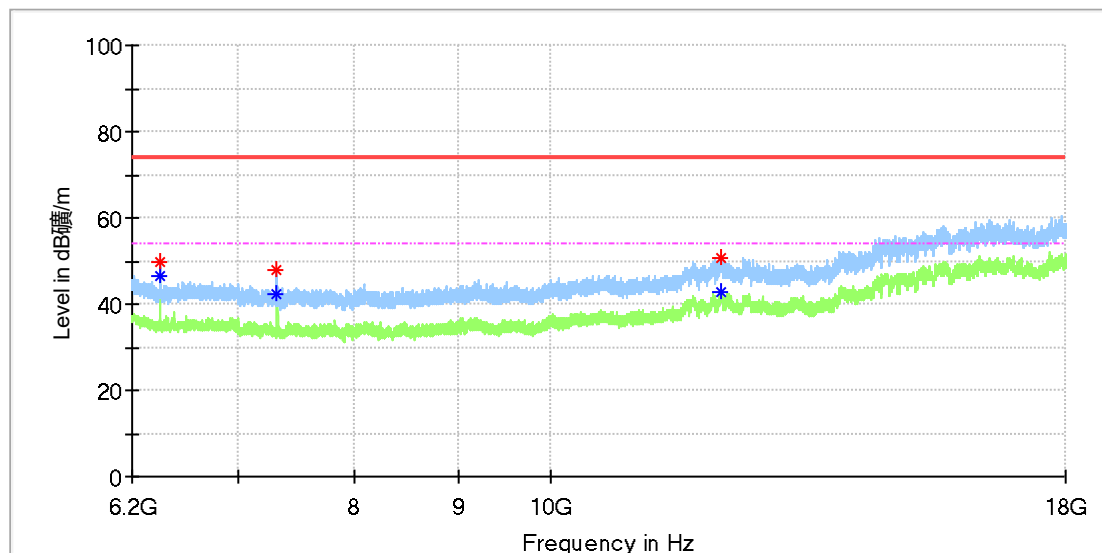
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1312.500000	---	38.73	54.00	15.27	150.0	V	270.0	3.5
1319.000000	45.67	---	74.00	28.33	150.0	V	17.0	3.5
1828.500000	---	47.02	71.44	24.42	150.0	V	329.0	6.4
1828.500000	50.15	---	81.44	31.29	150.0	V	329.0	6.4
2744.000000	55.40	---	74.00	18.60	150.0	V	30.0	9.3
4572.000000	55.38	---	74.00	18.62	150.0	V	31.0	13.5
4573.000000	---	48.15	54.00	5.85	150.0	V	0.0	13.5
4874.000000	55.19	---	74.00	18.81	150.0	V	191.0	13.3
4874.000000	---	49.19	54.00	4.81	150.0	V	191.0	13.3
5486.000000	60.81	---	81.44	20.63	150.0	V	338.0	15.2
5486.000000	---	56.78	71.44	14.66	150.0	V	338.0	15.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2743.648529	---	51.57	54.00	2.43	150.0	V	30.0	9.3

EUT Information

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G+Lora
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

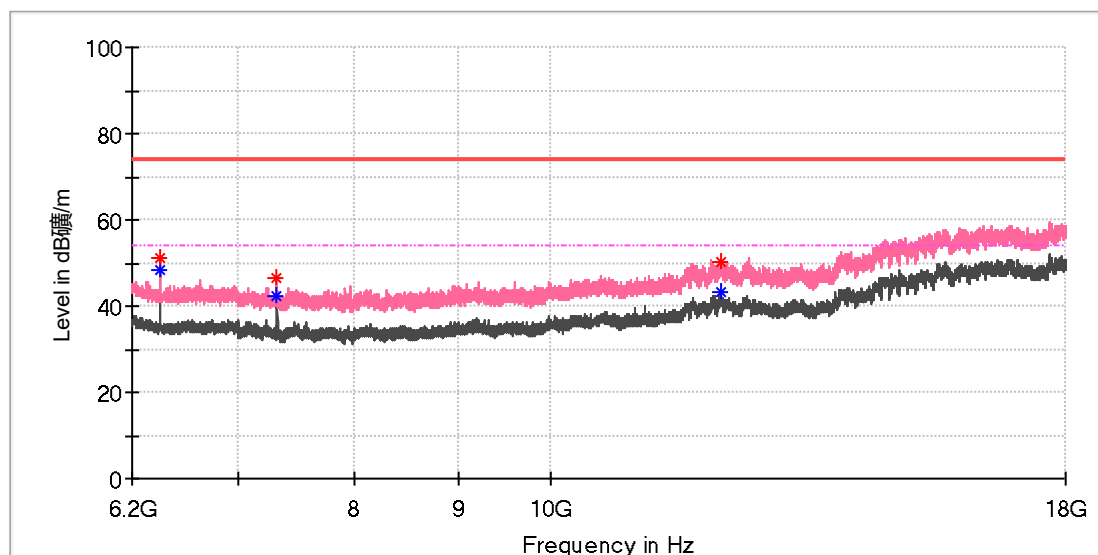
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6402.075000	---	46.62	54.00	7.38	150.0	H	23.0	8.9
6402.566667	49.84	---	74.00	24.16	150.0	H	23.0	8.9
7314.116667	---	42.31	54.00	11.69	150.0	H	302.0	8.2
7315.100000	47.69	---	74.00	26.31	150.0	H	356.0	8.2
12133.433333	50.69	---	74.00	23.31	150.0	H	191.0	16.3
12149.166667	---	42.79	54.00	11.21	150.0	H	120.0	16.7

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G+Lora
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

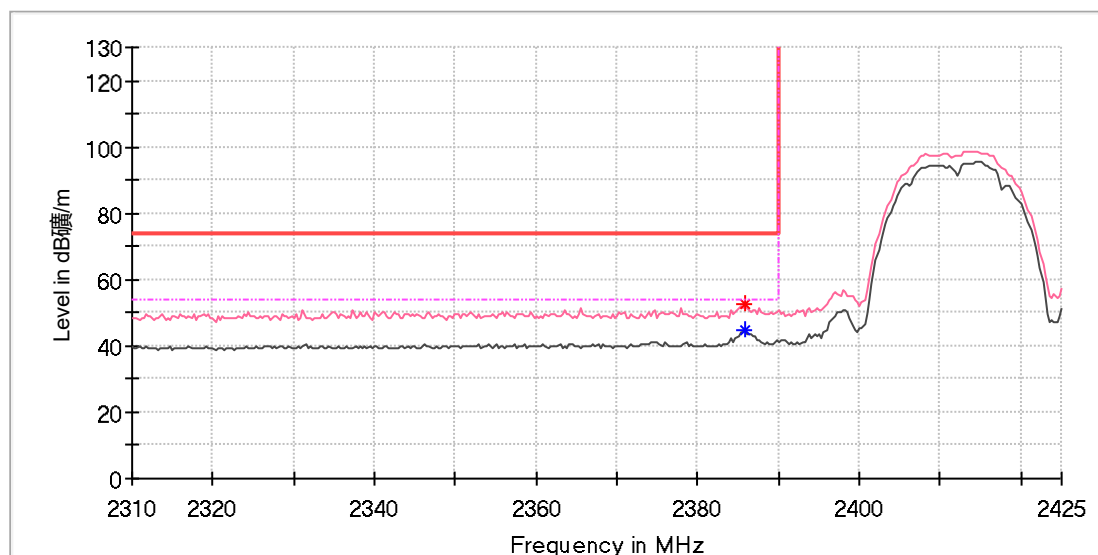
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6400.108333	---	48.37	54.00	5.63	150.0	V	354.0	8.9
6400.600000	51.06	---	74.00	22.94	150.0	V	354.0	8.9
7317.558333	46.39	---	74.00	27.61	150.0	V	5.0	8.2
7317.558333	---	42.44	54.00	11.56	150.0	V	5.0	8.2
12153.591667	---	43.28	54.00	10.72	150.0	V	0.0	16.5
12156.050000	50.32	---	74.00	23.68	150.0	V	255.0	16.4

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

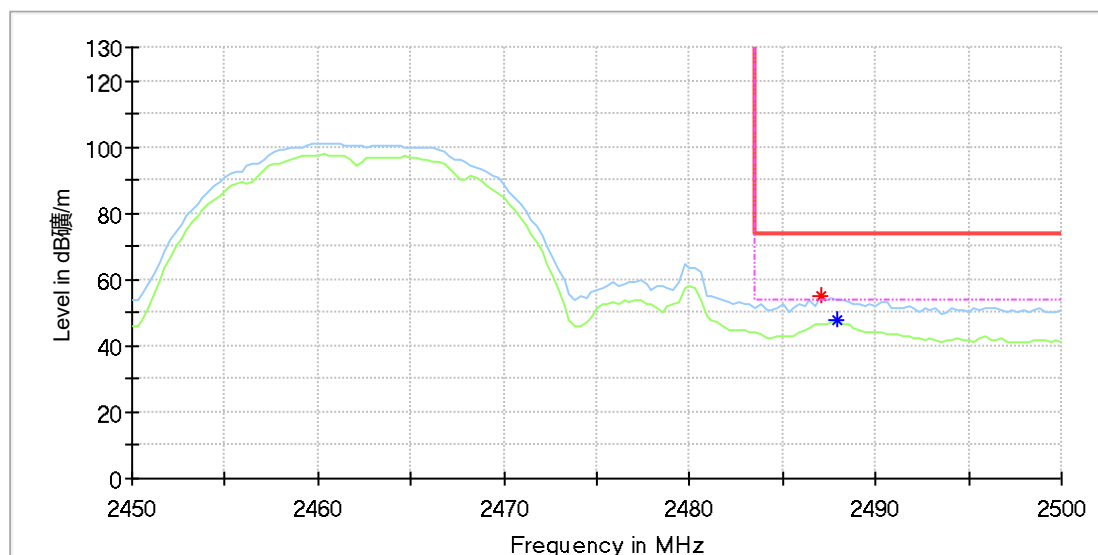
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.882353	52.34	---	74.00	21.66	150.0	V	290.0	8.5
2385.882353	---	44.92	54.00	9.08	150.0	V	290.0	8.5

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

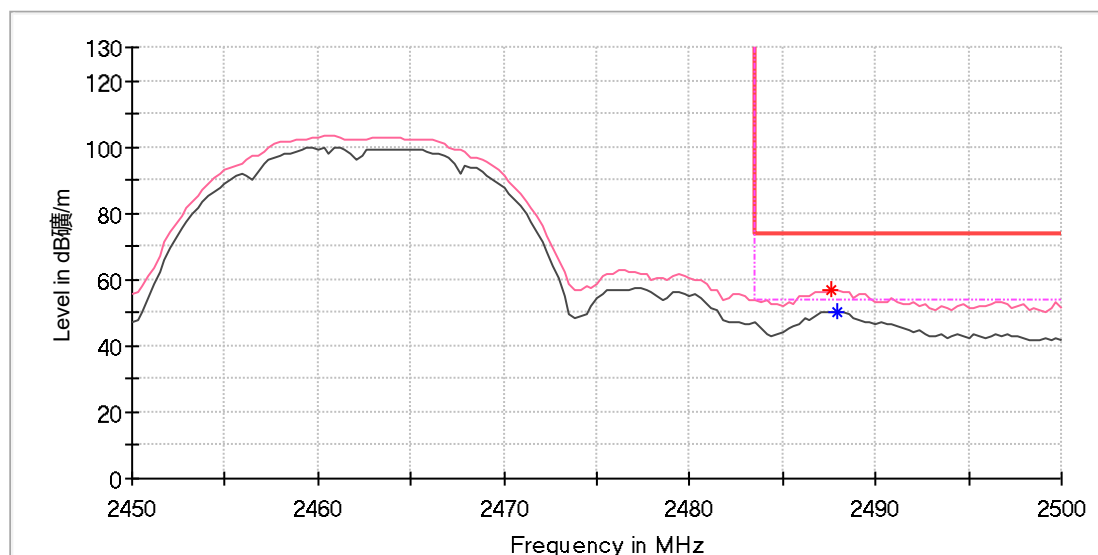
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.058824	55.16	---	74.00	18.84	150.0	H	203.0	9.0
2487.941177	---	47.60	54.00	6.40	150.0	H	218.0	9.0

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

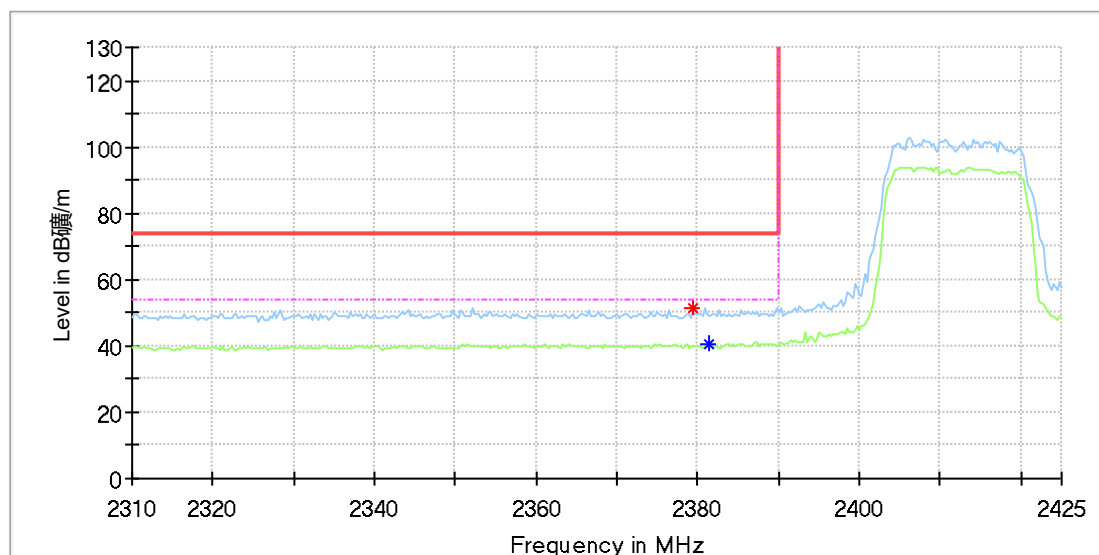
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.647059	56.66	---	74.00	17.34	150.0	V	136.0	9.0
2487.941177	---	50.45	54.00	3.55	150.0	V	101.0	9.0

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

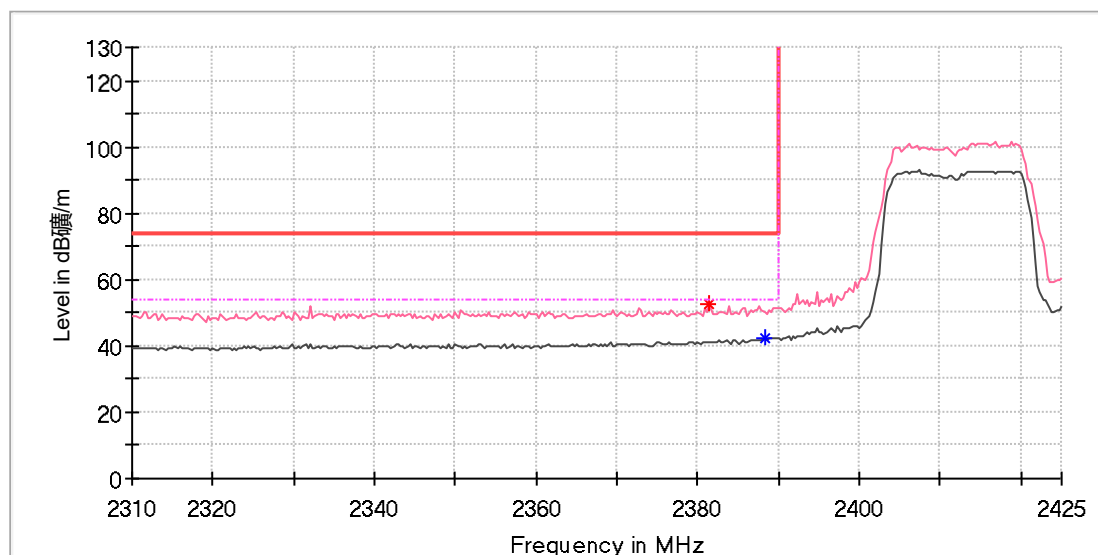
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2379.411765	51.45	---	74.00	22.55	150.0	H	208.0	8.5
2381.470588	---	40.76	54.00	13.24	150.0	H	118.0	8.5

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

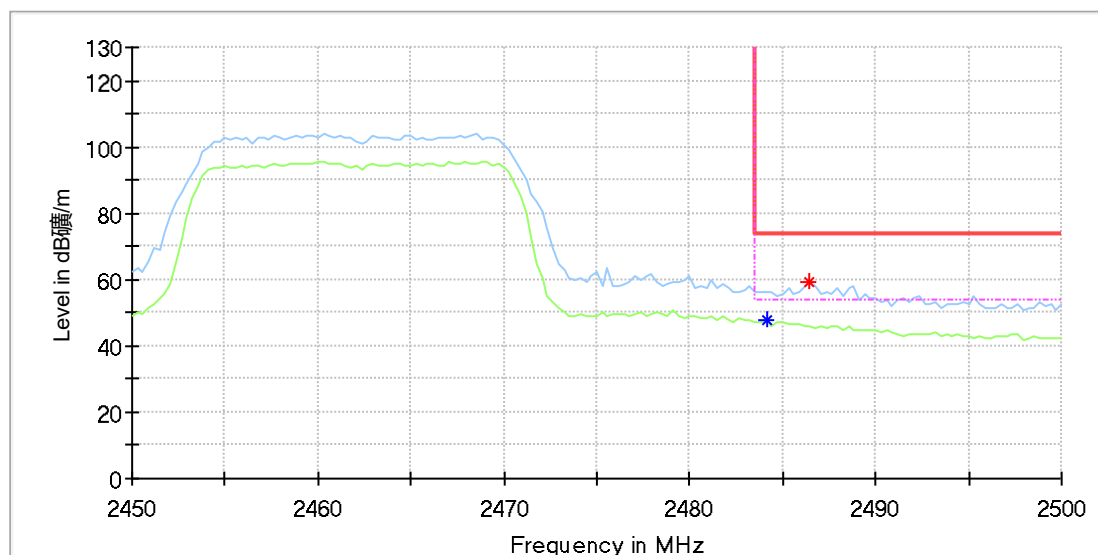
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2381.470588	52.33	---	74.00	21.67	150.0	V	286.0	8.5
2388.235294	---	42.60	54.00	11.40	150.0	V	118.0	8.5

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

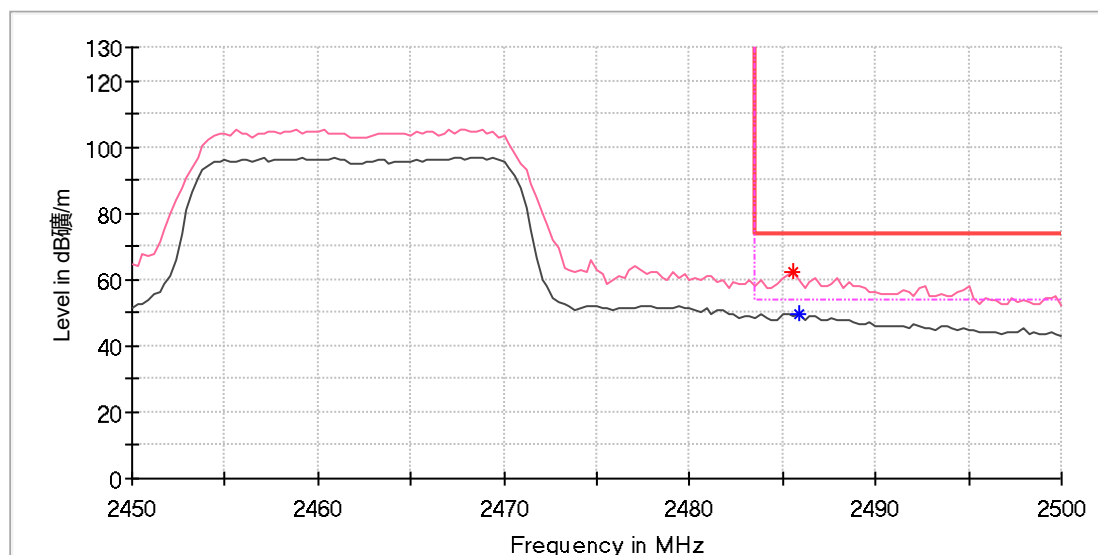
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.117647	---	47.47	54.00	6.53	150.0	H	250.0	9.0
2486.470588	58.96	---	74.00	15.04	150.0	H	206.0	9.0

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11g_Ch11
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

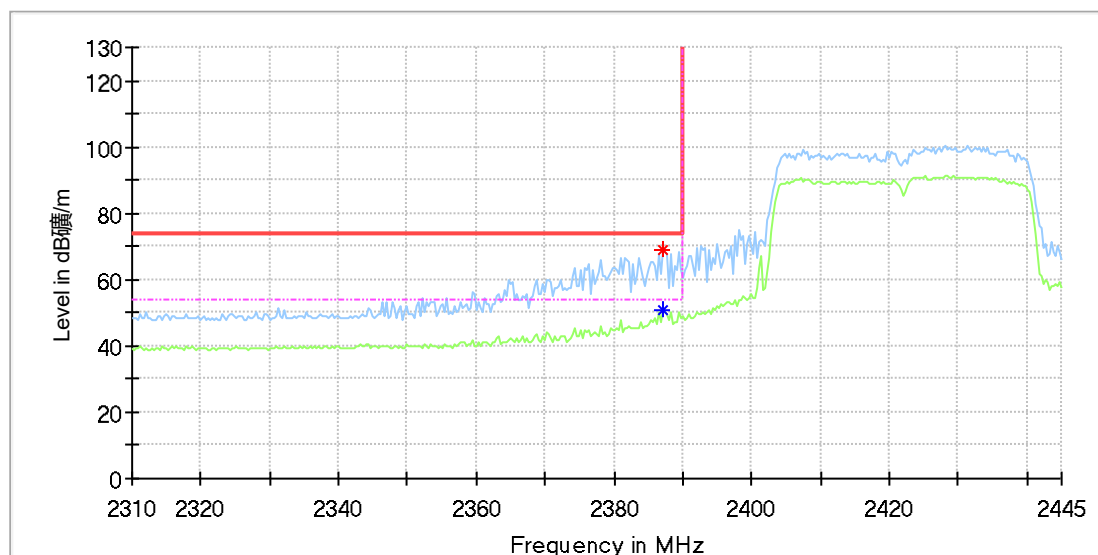
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.588235	62.00	---	74.00	12.00	150.0	V	101.0	9.0
2485.882353	---	49.66	54.00	4.34	150.0	V	101.0	9.0

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

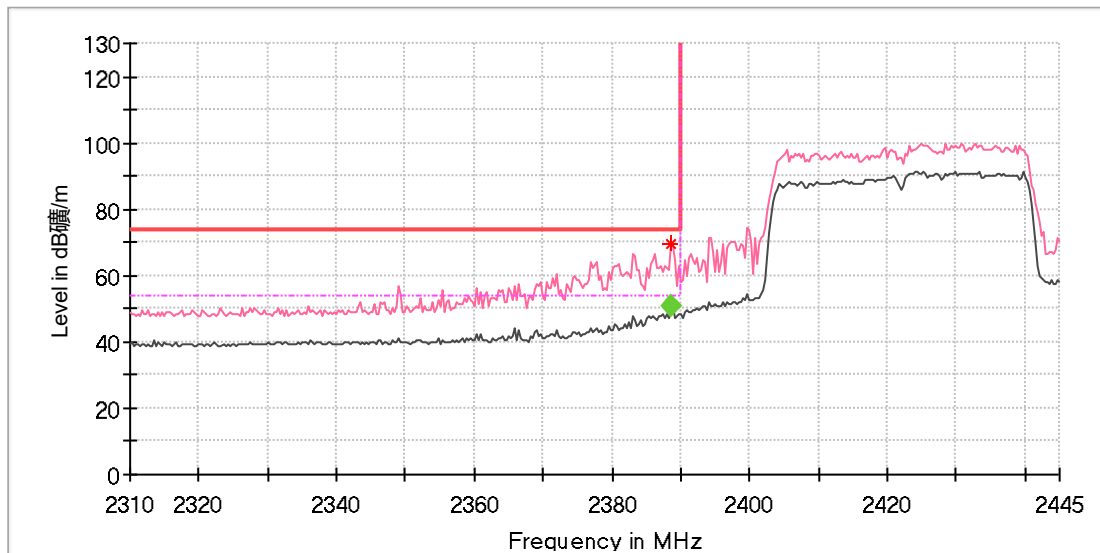
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.058824	68.80	---	74.00	5.20	150.0	H	95.0	8.5
2387.058824	---	50.99	54.00	3.01	150.0	H	95.0	8.5

Final Result

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

EUT Name: AiMOGA Argos
Model: X1
Test Mode: WIFI 2.4G_11n40_Ch3
Order No/Sample No: 168584454/A004155645-001
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

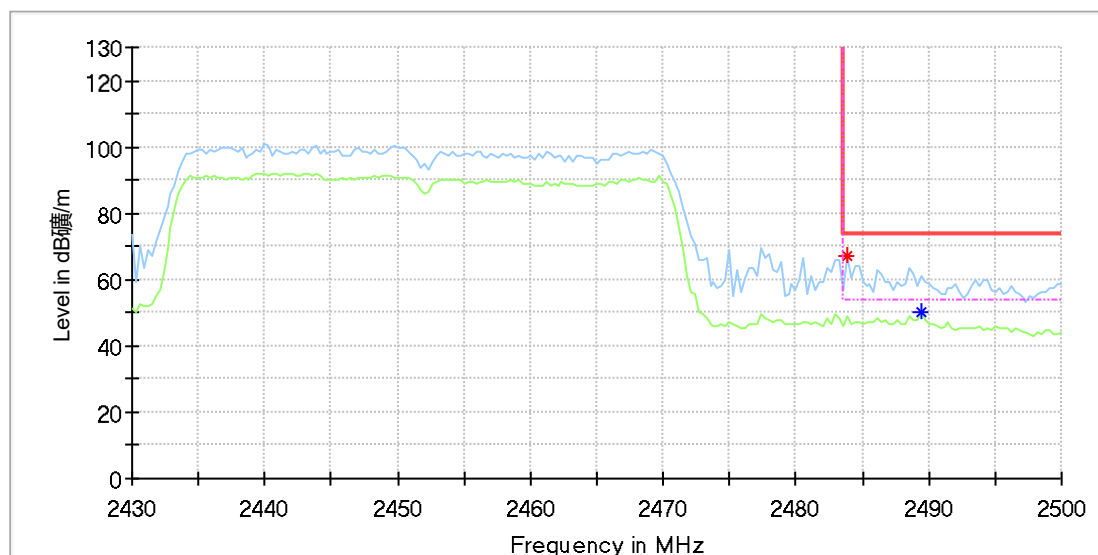
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.529412	69.50	---	74.00	4.50	150.0	V	17.0	8.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.529412	---	50.52	54.00	3.48	150.0	V	17.0	8.5

EUT Information

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

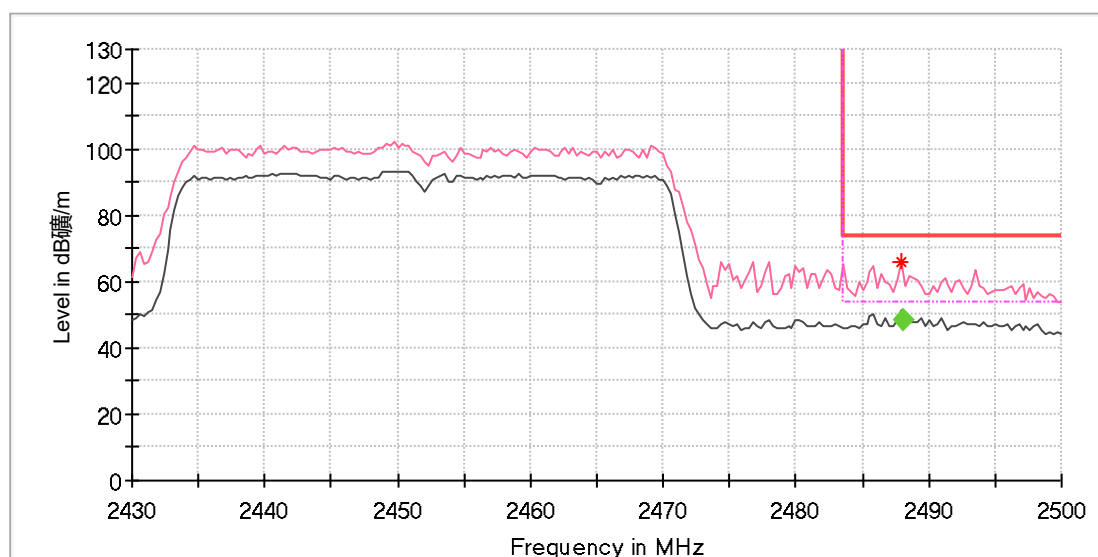
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	66.92	---	74.00	7.08	150.0	H	79.0	9.0
2489.411765	---	50.47	54.00	3.53	150.0	H	79.0	9.0

Final Result

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

EUT Name: AiMOGA Argos
Model: X1
Test Mode: WIFI 2.4G_11n40_Ch9
Order No/Sample No: 168584454/A004155645-001
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

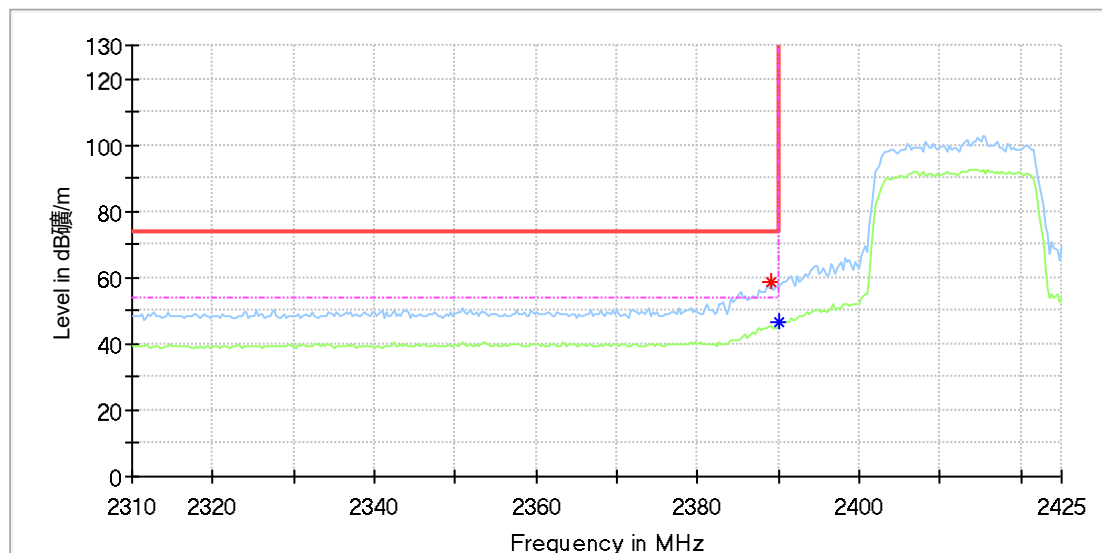
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.941177	65.92	---	74.00	8.08	150.0	V	18.0	9.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2488.013970	---	48.36	54.00	5.64	150.0	V	18.0	9.0

EUT Information

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11ax20_Ch1
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

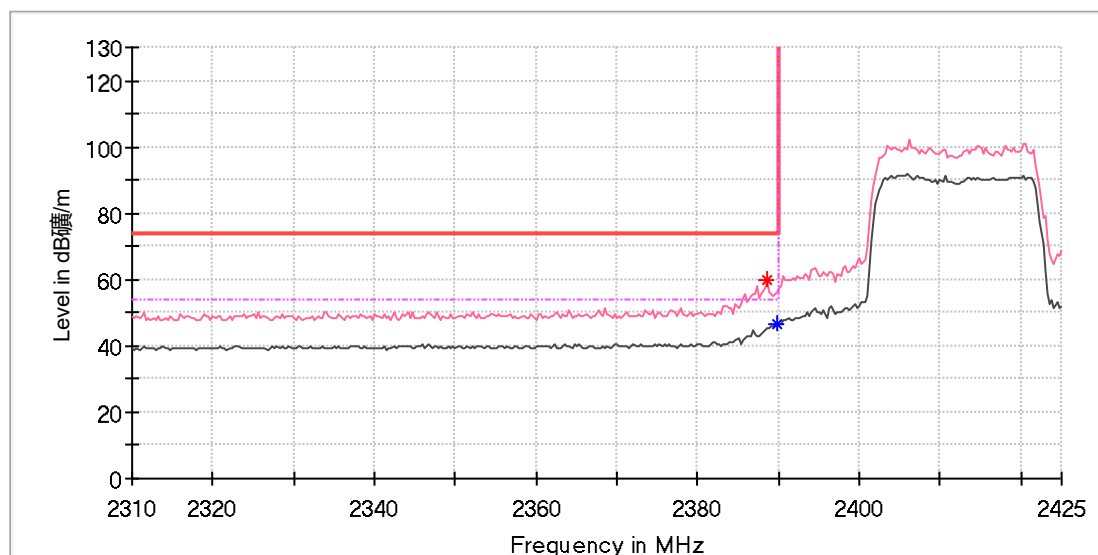
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.117647	58.72	---	74.00	15.28	150.0	H	71.0	8.5
2390.000000	---	46.38	54.00	7.62	150.0	H	94.0	8.5

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11ax20_Ch1
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

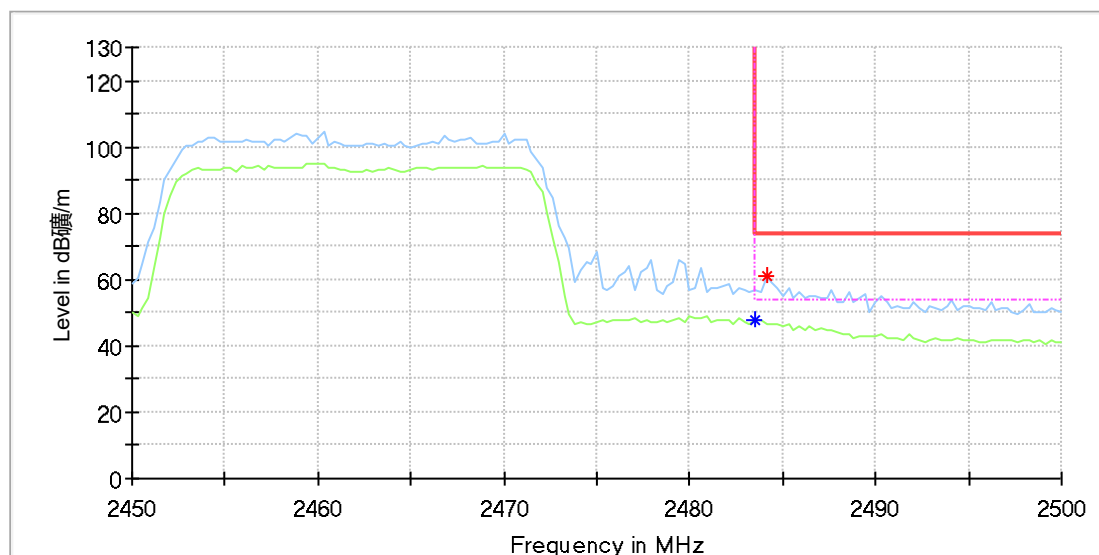
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.529412	59.65	---	74.00	14.35	150.0	V	21.0	8.5
2389.705882	---	46.70	54.00	7.30	150.0	V	14.0	8.5

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11ax20_Ch11
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

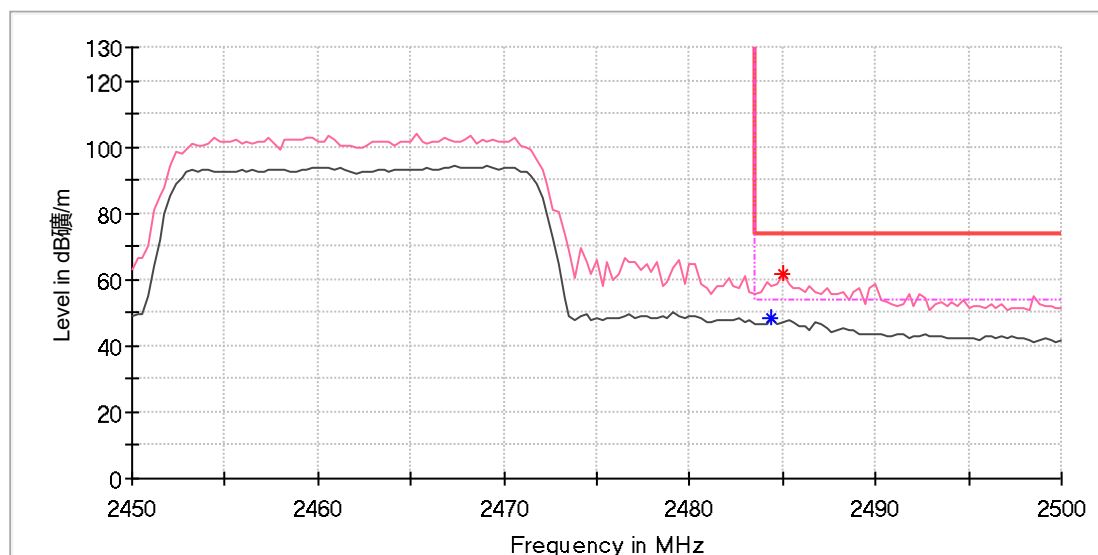
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	47.76	54.00	6.24	150.0	H	61.0	9.0
2484.117647	61.28	---	74.00	12.72	150.0	H	207.0	9.0

Final Result

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

EUT Name:	AiMOGA Argos
Model:	X1
Test Mode:	WIFI 2.4G_11ax20_Ch11
Order No/Sample No:	168584454/A004155645-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
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)
2484.411765	---	48.28	54.00	5.72	150.0	V	134.0	9.0
2485.000000	61.64	---	74.00	12.36	150.0	V	134.0	9.0

Final Result

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