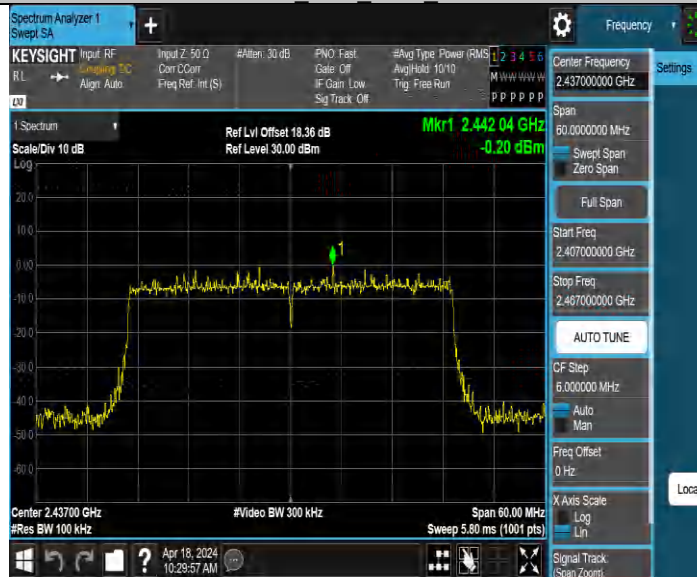


11AX40MIMO Ant1 2437 0-Reference



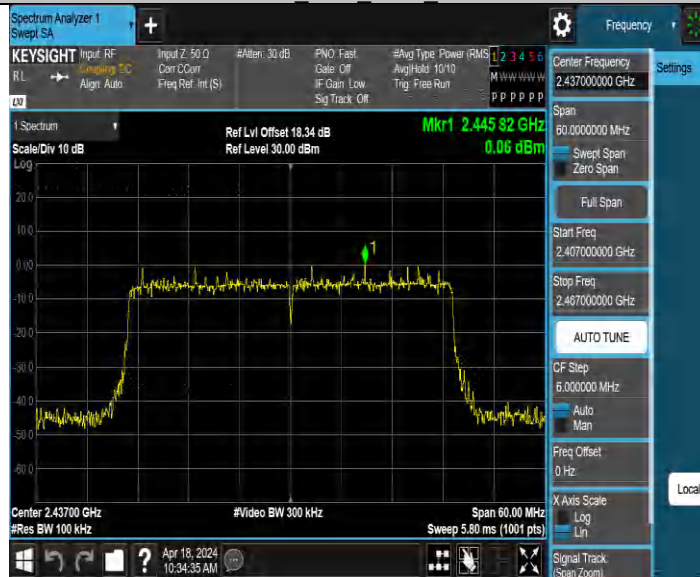
11AX40MIMO Ant1 2437 30-1000



11AX40MIMO Ant1 2437 1000-26500



11AX40MIMO Ant2 2437 0-Reference



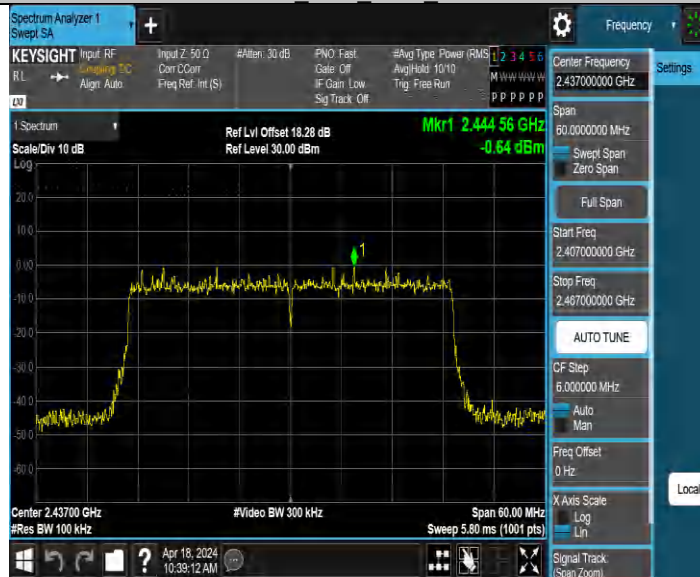
11AX40MIMO Ant2 2437 30-1000



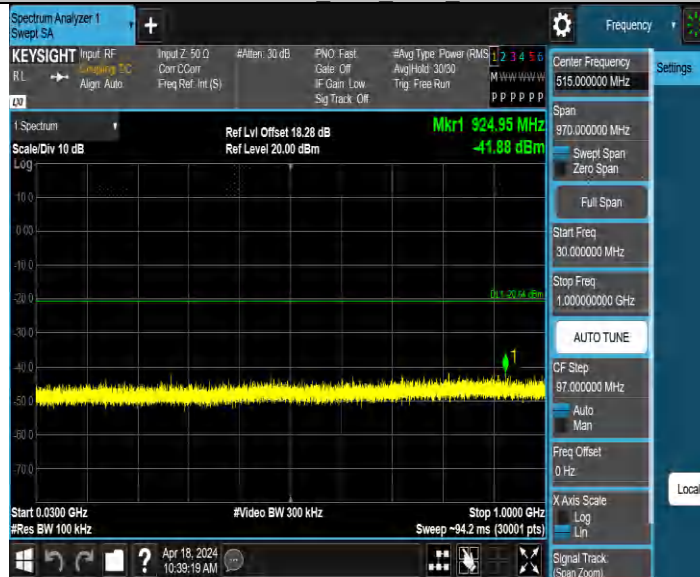
11AX40MIMO Ant2 2437 1000-26500



11AX40MIMO Ant3 2437 0-Reference



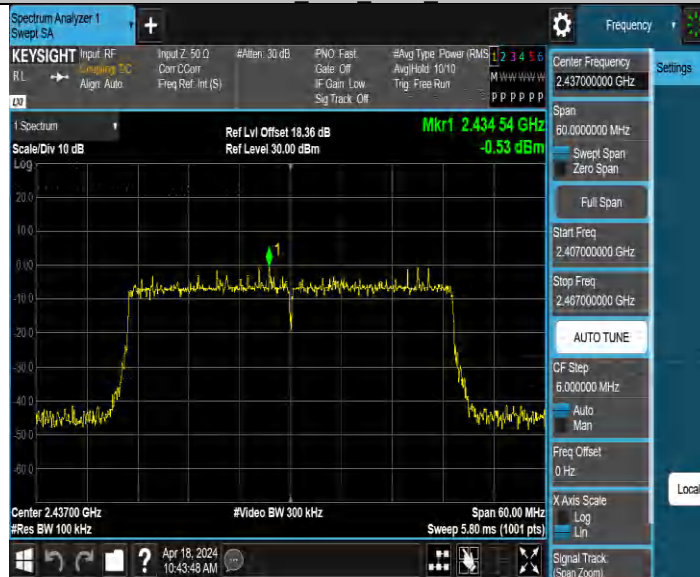
11AX40MIMO Ant3 2437 30-1000



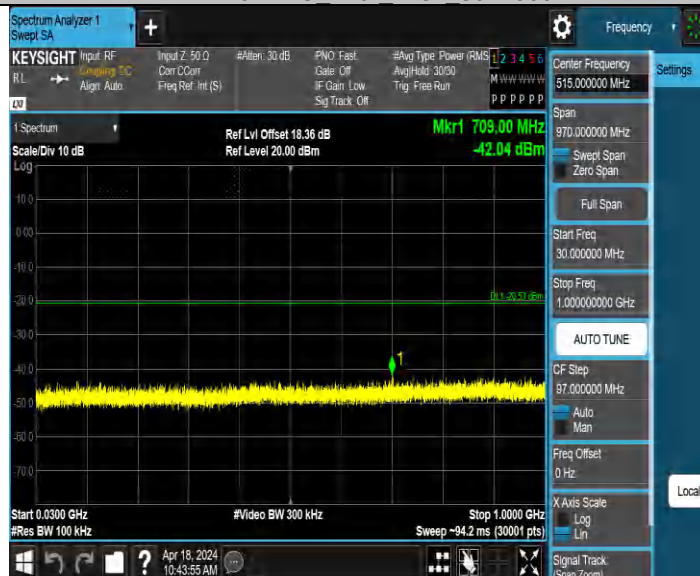
11AX40MIMO Ant3 2437 1000-26500



11AX40MIMO Ant4 2437 0~Reference



11AX40MIMO Ant4 2437 30~1000



11AX40MIMO Ant4 2437 1000~26500



11AX40MIMO Ant1 2452 0~Reference



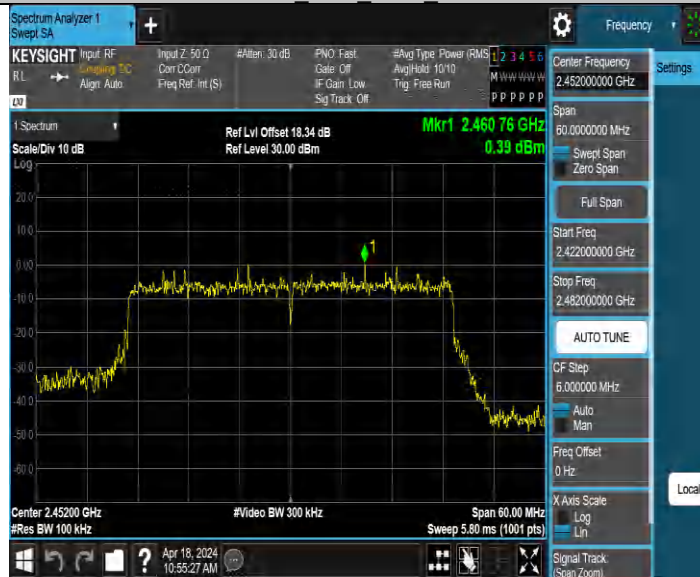
11AX40MIMO Ant1 2452 30~1000



11AX40MIMO Ant1 2452 1000~26500



11AX40MIMO Ant2 2452 0-Reference



11AX40MIMO Ant2 2452 30-1000



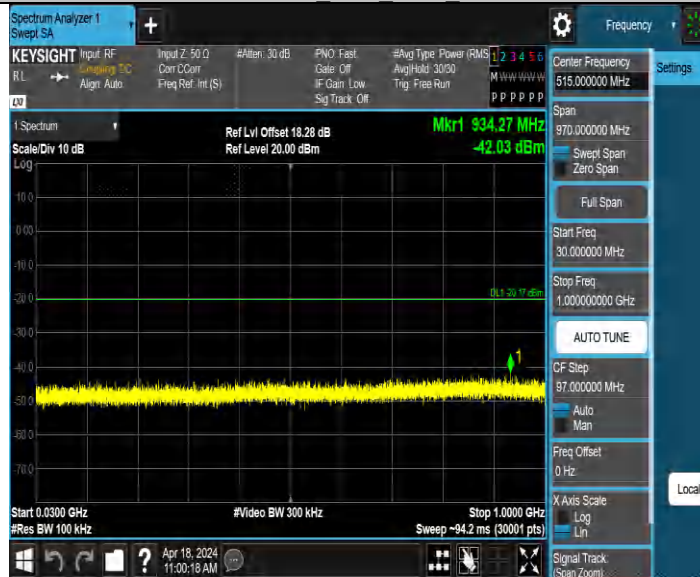
11AX40MIMO Ant2 2452 1000-26500



11AX40MIMO Ant3 2452 0~Reference



11AX40MIMO Ant3 2452 30~1000



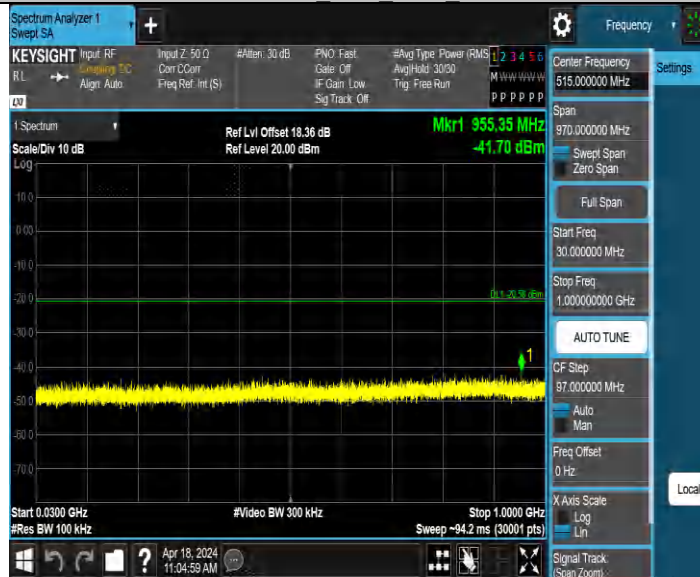
11AX40MIMO Ant3 2452 1000~26500



11AX40MIMO Ant4 2452 0~Reference



11AX40MIMO Ant4 2452 30~1000



11AX40MIMO Ant4 2452 1000~26500



11BE20MIMO Ant1 2412 0-Reference



11BE20MIMO Ant1 2412 30-1000



11BE20MIMO Ant1 2412 1000-26500



11BE20MIMO Ant2 2412 0-Reference



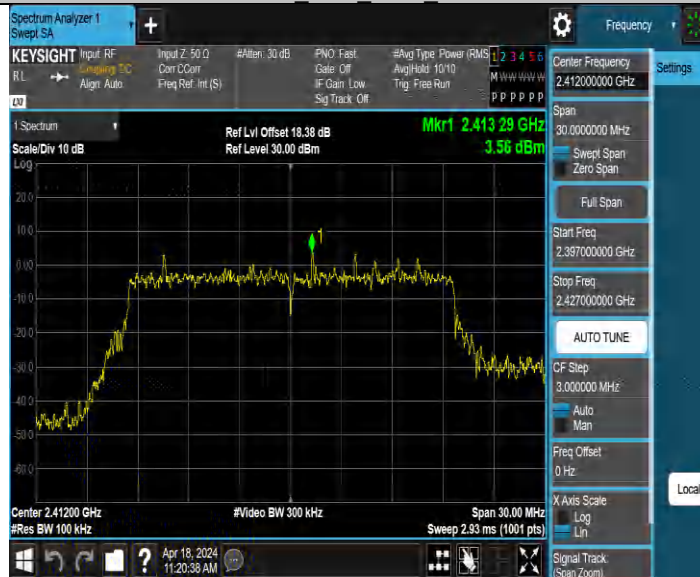
11BE20MIMO Ant2 2412 30-1000



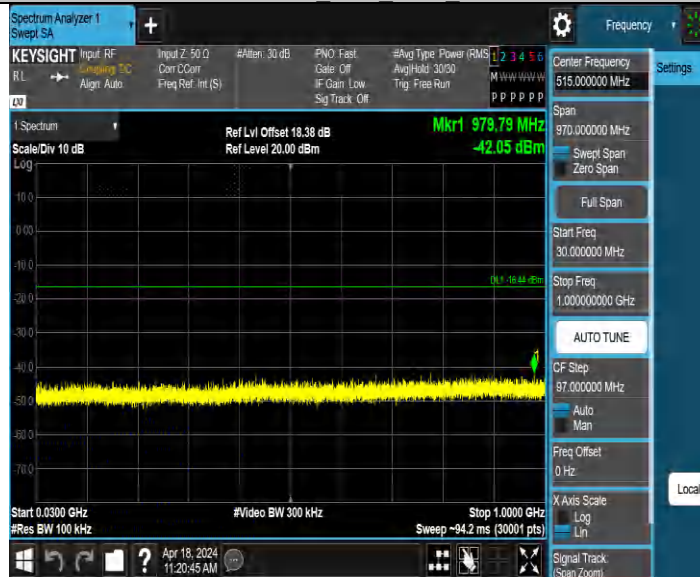
11BE20MIMO Ant2 2412 1000-26500



11BE20MIMO Ant3 2412 0-Reference



11BE20MIMO Ant3 2412 30-1000



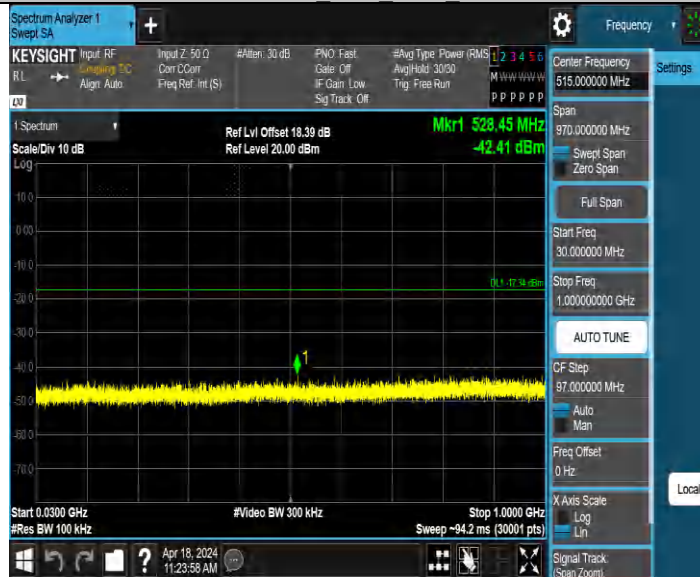
11BE20MIMO Ant3 2412 1000-26500



11BE20MIMO Ant4 2412 0-Reference



11BE20MIMO Ant4 2412 30-1000



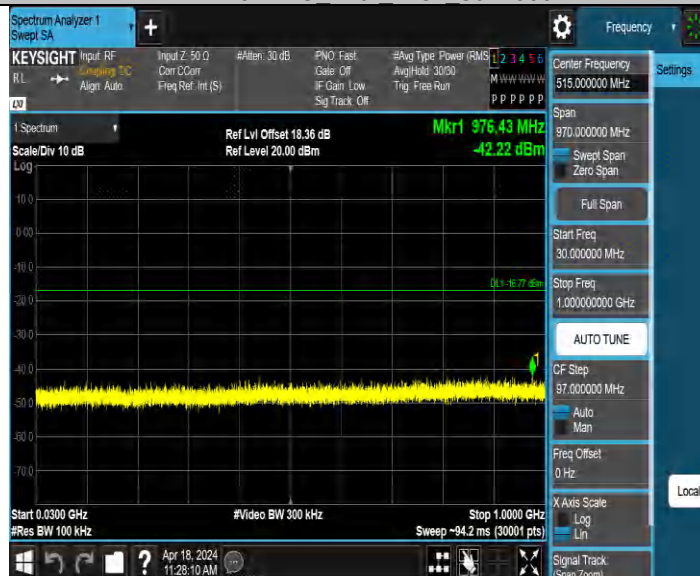
11BE20MIMO Ant4 2412 1000-26500



11BE20MIMO Ant1 2437 0~Reference



11BE20MIMO Ant1 2437 30~1000



11BE20MIMO Ant1 2437 1000~26500



11BE20MIMO Ant2 2437 0~Reference



11BE20MIMO Ant2 2437 30~1000



11BE20MIMO Ant2 2437 1000~26500



11BE20MIMO Ant3 2437 0-Reference



11BE20MIMO Ant3 2437 30-1000



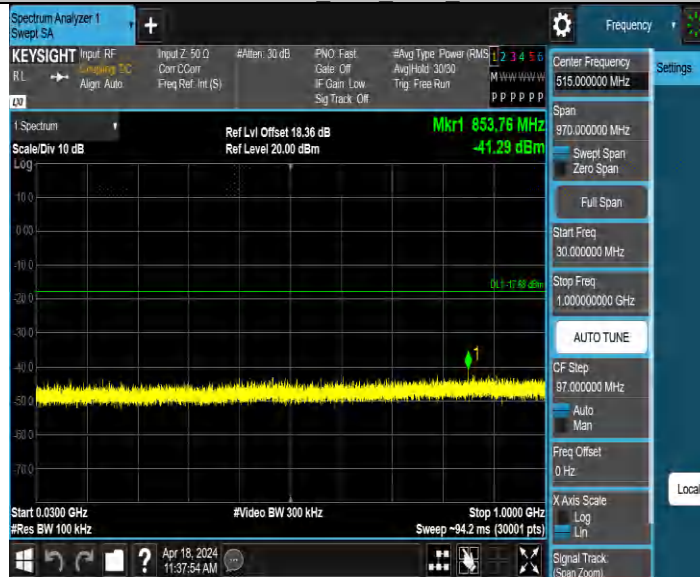
11BE20MIMO Ant3 2437 1000-26500



11BE20MIMO Ant4 2437 0~Reference



11BE20MIMO Ant4 2437 30~1000



11BE20MIMO Ant4 2437 1000~26500



11BE20MIMO Ant1 2462 0-Reference



11BE20MIMO Ant1 2462 30-1000



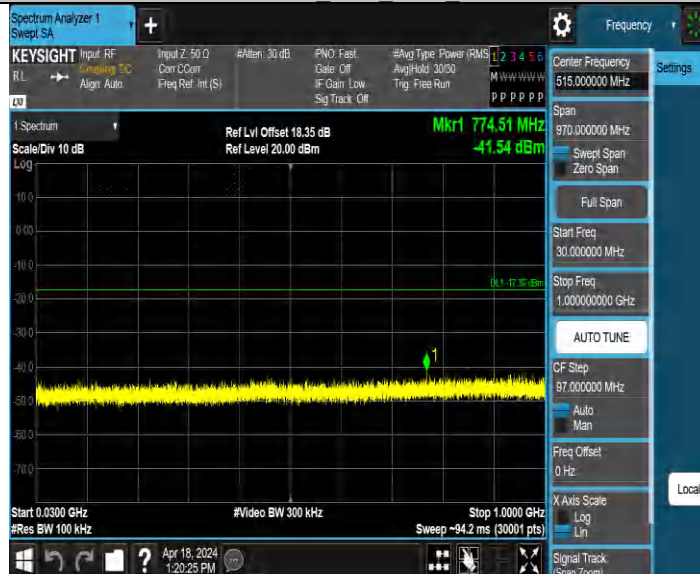
11BE20MIMO Ant1 2462 1000-26500



11BE20MIMO Ant2 2462 0-Reference



11BE20MIMO Ant2 2462 30-1000



11BE20MIMO Ant2 2462 1000-26500



11BE20MIMO Ant3 2462 0-Reference



11BE20MIMO Ant3 2462 30-1000



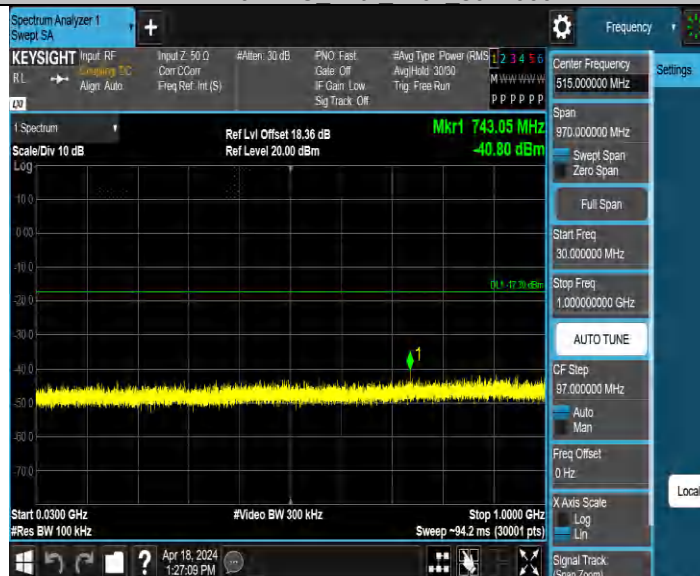
11BE20MIMO Ant3 2462 1000-26500



11BE20MIMO Ant4 2462 0~Reference



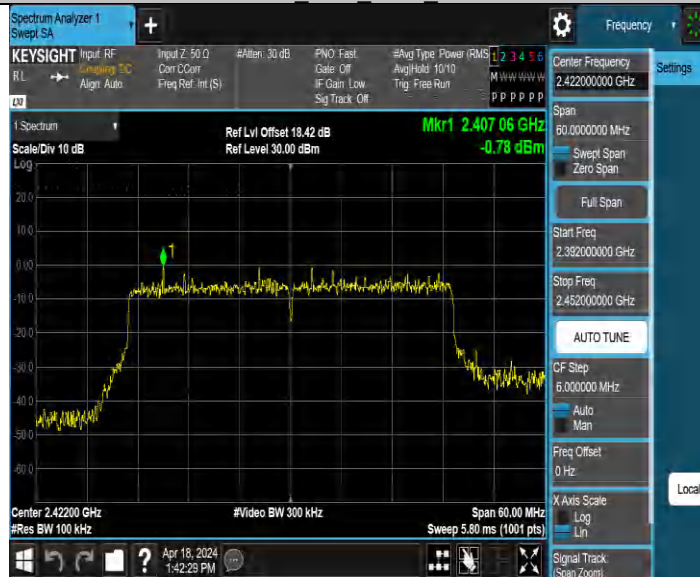
11BE20MIMO Ant4 2462 30~1000



11BE20MIMO Ant4 2462 1000~26500



11BE40MIMO Ant1 2422 0-Reference



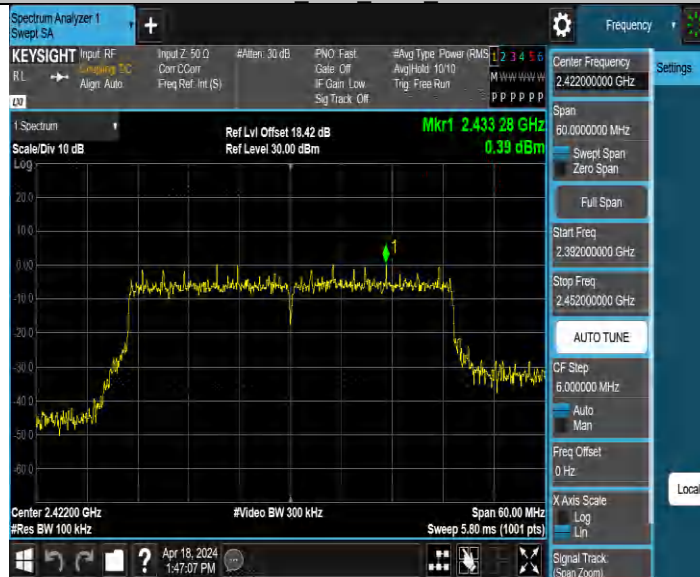
11BE40MIMO Ant1 2422 30-1000



11BE40MIMO Ant1 2422 1000-26500



11BE40MIMO Ant2 2422 0-Reference



11BE40MIMO Ant2 2422 30-1000



11BE40MIMO Ant2 2422 1000-26500



11BE40MIMO Ant3 2422 0-Reference



11BE40MIMO Ant3 2422 30-1000



11BE40MIMO Ant3 2422 1000-26500



11BE40MIMO Ant4 2422 0-Reference



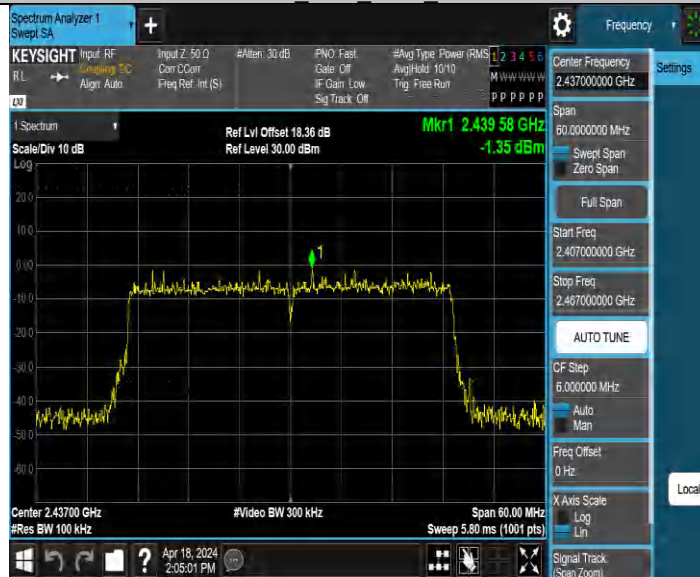
11BE40MIMO Ant4 2422 30-1000



11BE40MIMO Ant4 2422 1000-26500



11BE40MIMO Ant1 2437 0~Reference



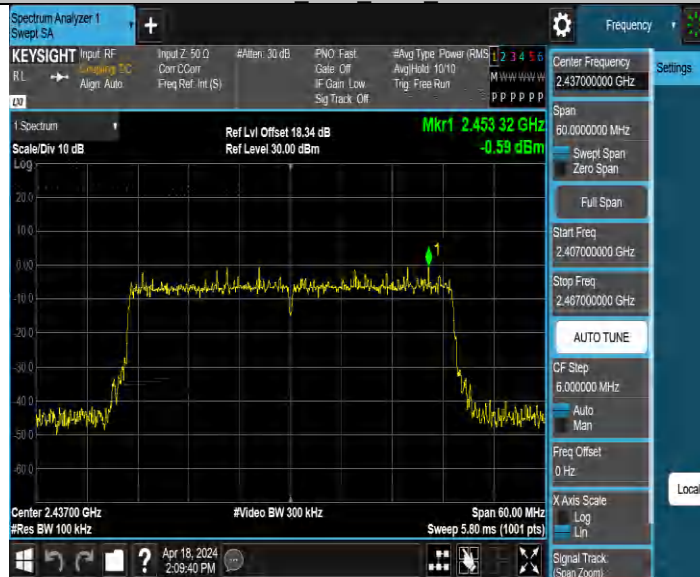
11BE40MIMO Ant1 2437 30~1000



11BE40MIMO Ant1 2437 1000~26500



11BE40MIMO Ant2 2437 0-Reference



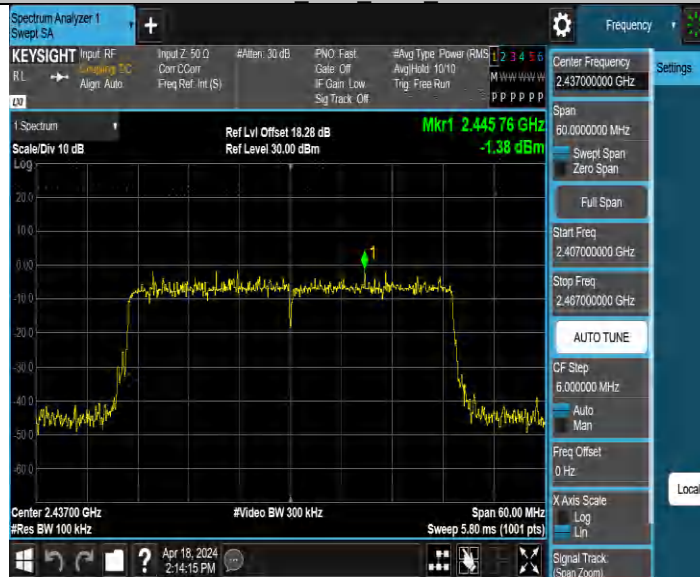
11BE40MIMO Ant2 2437 30-1000



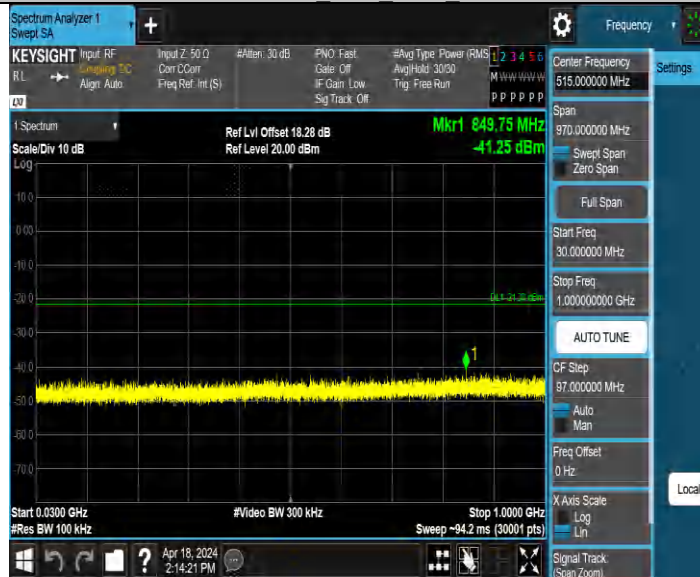
11BE40MIMO Ant2 2437 1000-26500



11BE40MIMO Ant3 2437 0~Reference



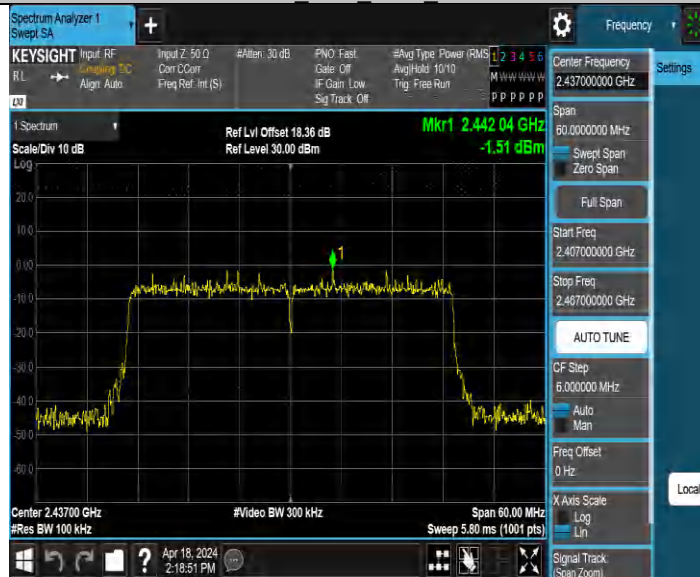
11BE40MIMO Ant3 2437 30~1000



11BE40MIMO Ant3 2437 1000~26500



11BE40MIMO Ant4 2437 0~Reference



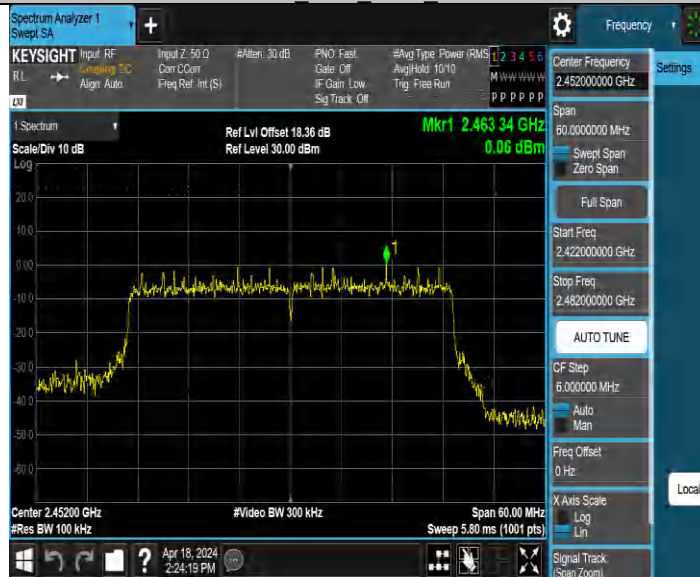
11BE40MIMO Ant4 2437 30~1000



11BE40MIMO Ant4 2437 1000~26500



11BE40MIMO Ant1 2452 0-Reference



11BE40MIMO Ant1 2452 30-1000



11BE40MIMO Ant1 2452 1000-26500



11BE40MIMO Ant2 2452 0-Reference



11BE40MIMO Ant2 2452 30-1000



11BE40MIMO Ant2 2452 1000-26500



11BE40MIMO Ant3 2452 0-Reference



11BE40MIMO Ant3 2452 30-1000



11BE40MIMO Ant3 2452 1000-26500



11BE40MIMO Ant4 2452 0~Reference



11BE40MIMO Ant4 2452 30~1000



11BE40MIMO Ant4 2452 1000~26500



Appendix A.5: Duty Cycle

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B-CDD	Ant1	2412	8.42	9.08	92.73	---	---
	Ant2	2412	8.41	9.07	92.72	---	---
	Ant3	2412	8.42	9.08	92.73	---	---
	Ant4	2412	8.42	9.07	92.83	---	---
	Ant1	2437	8.42	9.07	92.83	---	---
	Ant2	2437	8.41	9.07	92.72	---	---
	Ant3	2437	8.41	9.07	92.72	---	---
	Ant4	2437	8.41	9.07	92.72	---	---
	Ant1	2462	8.42	9.07	92.83	---	---
	Ant2	2462	8.42	9.08	92.73	---	---
	Ant3	2462	8.41	9.07	92.72	---	---
	Ant4	2462	8.42	9.07	92.83	---	---
11G-CDD	Ant1	2412	0.13	0.24	54.17	---	---
	Ant2	2412	0.13	0.24	54.17	---	---
	Ant3	2412	0.13	0.24	54.17	---	---
	Ant4	2412	0.12	0.24	50.00	---	---
	Ant1	2437	0.13	0.24	54.17	---	---
	Ant2	2437	0.12	0.24	50.00	---	---
	Ant3	2437	0.13	0.24	54.17	---	---
	Ant4	2437	0.13	0.24	54.17	---	---
	Ant1	2462	0.12	0.24	50.00	---	---
	Ant2	2462	0.12	0.24	50.00	---	---
	Ant3	2462	0.13	0.24	54.17	---	---
	Ant4	2462	0.13	0.24	54.17	---	---
11N20MIMO	Ant1	2412	0.15	0.25	60.00	---	---
	Ant2	2412	0.14	0.25	56.00	---	---
	Ant3	2412	0.14	0.25	56.00	---	---
	Ant4	2412	0.14	0.25	56.00	---	---
	Ant1	2437	0.14	0.25	56.00	---	---
	Ant2	2437	0.15	0.25	60.00	---	---
	Ant3	2437	0.14	0.25	56.00	---	---
	Ant4	2437	0.15	0.25	60.00	---	---
	Ant1	2462	0.14	0.25	56.00	---	---
	Ant2	2462	0.15	0.25	60.00	---	---
	Ant3	2462	0.15	0.25	60.00	---	---
	Ant4	2462	0.14	0.25	56.00	---	---
11N40MIMO	Ant1	2422	0.12	0.22	54.55	---	---
	Ant2	2422	0.12	0.22	54.55	---	---
	Ant3	2422	0.12	0.22	54.55	---	---
	Ant4	2422	0.12	0.23	52.17	---	---
	Ant1	2437	0.12	0.23	52.17	---	---
	Ant2	2437	0.12	0.23	52.17	---	---
	Ant3	2437	0.12	0.23	52.17	---	---
	Ant4	2437	0.12	0.23	52.17	---	---
	Ant1	2452	0.12	0.22	54.55	---	---
	Ant2	2452	0.12	0.22	54.55	---	---
	Ant3	2452	0.12	0.23	52.17	---	---
	Ant4	2452	0.12	0.23	52.17	---	---
11AC20MIMO	Ant1	2412	0.15	0.18	83.33	---	---
	Ant2	2412	0.15	0.18	83.33	---	---
	Ant3	2412	0.15	0.18	83.33	---	---
	Ant4	2412	0.15	0.18	83.33	---	---
	Ant1	2437	0.15	0.19	78.95	---	---
	Ant2	2437	0.15	0.18	83.33	---	---
	Ant3	2437	0.15	0.18	83.33	---	---
	Ant4	2437	0.15	0.18	83.33	---	---
	Ant1	2462	0.15	0.18	83.33	---	---
	Ant2	2462	0.16	0.19	84.21	---	---
	Ant3	2462	0.15	0.18	83.33	---	---

	Ant4	2462	0.15	0.19	78.95	---	---
11AC40MIMO	Ant1	2422	0.13	0.16	81.25	---	---
	Ant2	2422	0.13	0.16	81.25	---	---
	Ant3	2422	0.13	0.16	81.25	---	---
	Ant4	2422	0.13	0.16	81.25	---	---
	Ant1	2437	0.12	0.16	75.00	---	---
	Ant2	2437	0.13	0.16	81.25	---	---
	Ant3	2437	0.12	0.16	75.00	---	---
	Ant4	2437	0.13	0.16	81.25	---	---
	Ant1	2452	0.13	0.16	81.25	---	---
	Ant2	2452	0.13	0.16	81.25	---	---
	Ant3	2452	0.12	0.16	75.00	---	---
	Ant4	2452	0.13	0.16	81.25	---	---
11AX20MIMO	Ant1	2412	0.33	0.36	91.67	---	---
	Ant2	2412	0.33	0.36	91.67	---	---
	Ant3	2412	0.33	0.36	91.67	---	---
	Ant4	2412	0.32	0.36	88.89	---	---
	Ant1	2437	0.32	0.36	88.89	---	---
	Ant2	2437	0.32	0.36	88.89	---	---
	Ant3	2437	0.32	0.35	91.43	---	---
	Ant4	2437	0.33	0.36	91.67	---	---
	Ant1	2462	0.33	0.36	91.67	---	---
	Ant2	2462	0.33	0.36	91.67	---	---
	Ant3	2462	0.32	0.36	88.89	---	---
	Ant4	2462	0.33	0.36	91.67	---	---
11AX40MIMO	Ant1	2422	0.31	0.34	91.18	---	---
	Ant2	2422	0.31	0.34	91.18	---	---
	Ant3	2422	0.31	0.35	88.57	---	---
	Ant4	2422	0.31	0.35	88.57	---	---
	Ant1	2437	0.31	0.34	91.18	---	---
	Ant2	2437	0.31	0.34	91.18	---	---
	Ant3	2437	0.31	0.34	91.18	---	---
	Ant4	2437	0.31	0.35	88.57	---	---
	Ant1	2452	0.31	0.35	88.57	---	---
	Ant2	2452	0.31	0.34	91.18	---	---
	Ant3	2452	0.31	0.35	88.57	---	---
	Ant4	2452	0.30	0.34	88.24	---	---
11BE20MIMO	Ant1	2412	0.32	0.36	88.89	---	---
	Ant2	2412	0.32	0.36	88.89	---	---
	Ant3	2412	0.32	0.36	88.89	---	---
	Ant4	2412	0.33	0.36	91.67	---	---
	Ant1	2437	0.32	0.36	88.89	---	---
	Ant2	2437	0.32	0.36	88.89	---	---
	Ant3	2437	0.32	0.36	88.89	---	---
	Ant4	2437	0.32	0.36	88.89	---	---
	Ant1	2462	0.32	0.36	88.89	---	---
	Ant2	2462	0.32	0.35	91.43	---	---
	Ant3	2462	0.32	0.36	88.89	---	---
	Ant4	2462	0.32	0.36	88.89	---	---
11BE40MIMO	Ant1	2422	0.30	0.34	88.24	---	---
	Ant2	2422	0.30	0.34	88.24	---	---
	Ant3	2422	0.30	0.33	90.91	---	---
	Ant4	2422	0.31	0.34	91.18	---	---
	Ant1	2437	0.31	0.34	91.18	---	---
	Ant2	2437	0.31	0.34	91.18	---	---
	Ant3	2437	0.30	0.34	88.24	---	---
	Ant4	2437	0.30	0.33	90.91	---	---
	Ant1	2452	0.30	0.34	88.24	---	---
	Ant2	2452	0.31	0.34	91.18	---	---
	Ant3	2452	0.30	0.34	88.24	---	---
	Ant4	2452	0.30	0.34	88.24	---	---

Appendix A.6: Test Results of Radiated Spurious Emissions

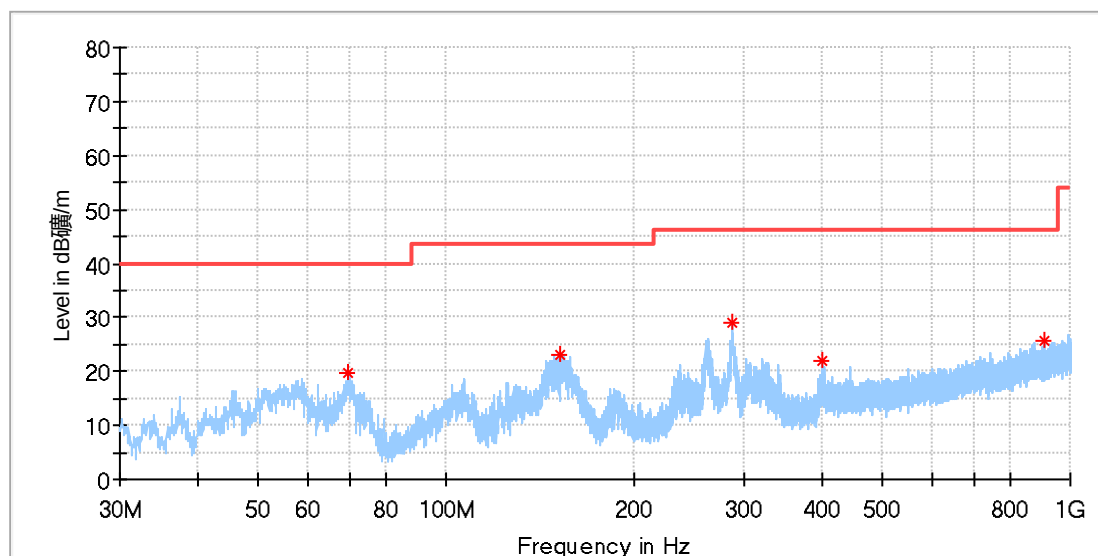
Note:

- 1) This testing was carried out on different modulations, but only the worst case 4x4 MIMO mode was presented in this report.
- 2) Both Full RU and Partial RU tested for 802.11 be/ax, only the worst-case reported.
- 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:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

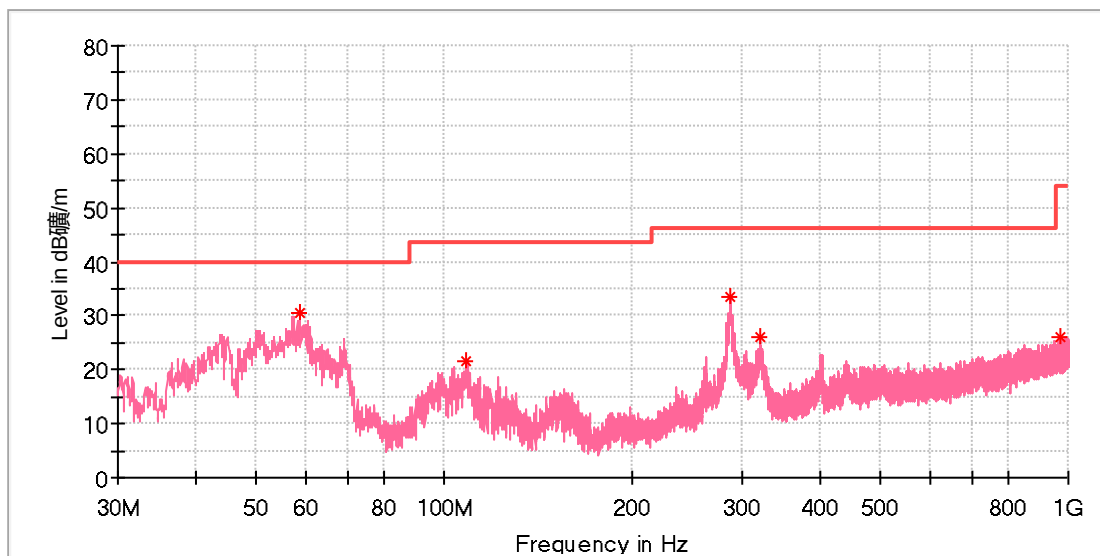
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
69.434231	19.70	40.00	20.30	100.0	H	268.0	-21.9
152.257308	23.21	43.50	20.29	100.0	H	0.0	-22.4
286.826154	28.98	46.00	17.02	100.0	H	301.0	-16.9
401.360769	22.13	46.00	23.87	100.0	H	251.0	-14.1
909.752692	25.69	46.00	20.31	100.0	H	96.0	-5.3

Final Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
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)
58.764231	30.65	40.00	9.36	100.0	V	311.0	-19.2
108.570000	21.71	43.50	21.79	100.0	V	0.0	-19.3
287.460385	33.63	46.00	12.37	100.0	V	11.0	-16.9
319.918077	25.95	46.00	20.05	100.0	V	246.0	-16.1
972.914615	26.16	54.00	27.84	100.0	V	166.0	-4.5

Final_Result

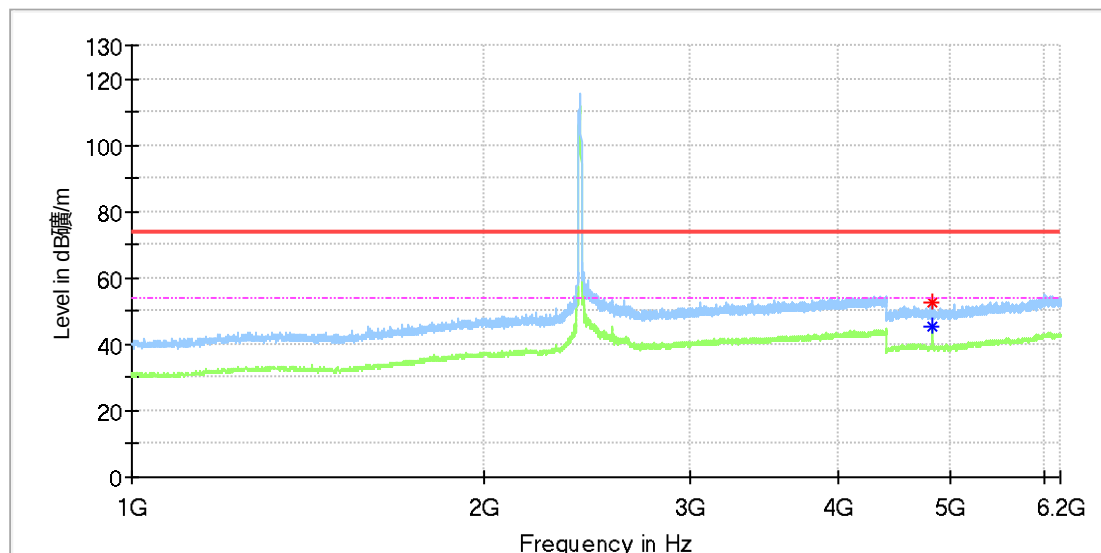
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

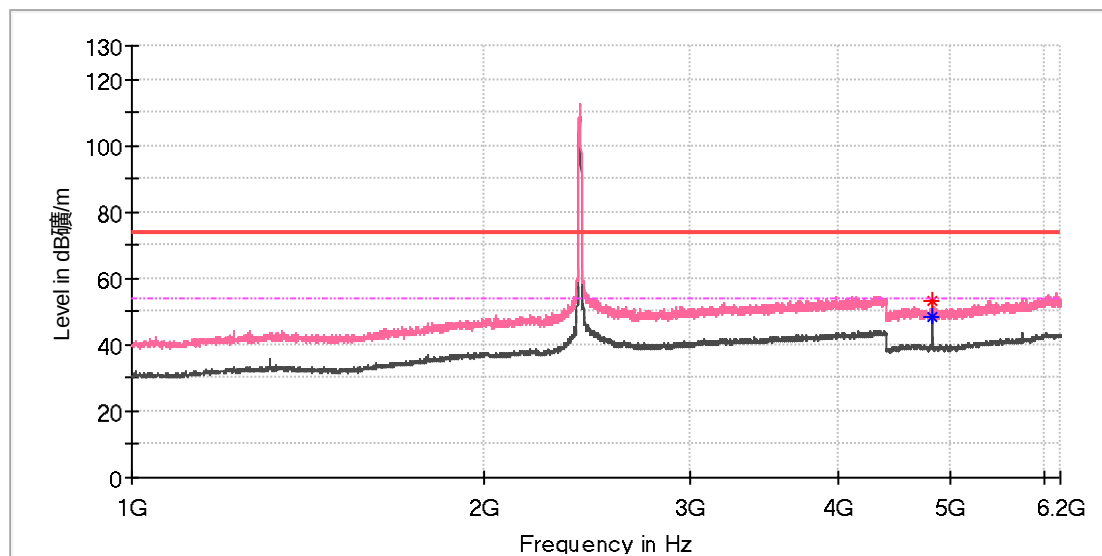
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4823.500000	52.38	---	74.00	21.62	150.0	H	20.0	11.8
4824.000000	---	45.25	54.00	8.75	150.0	H	28.0	11.8

Final Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

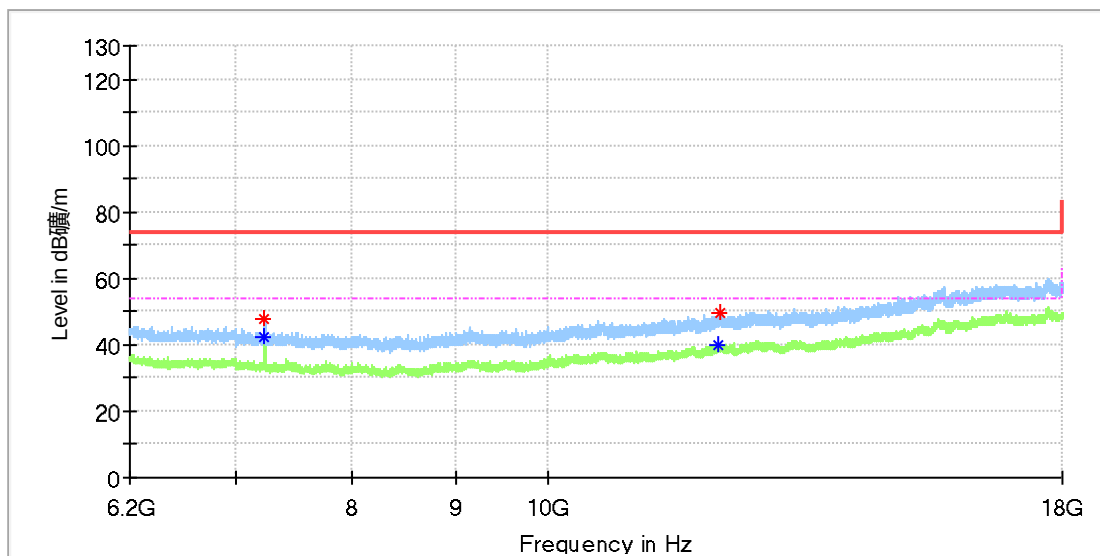
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	53.11	---	74.00	20.89	150.0	V	27.0	11.8
4824.000000	---	48.18	54.00	5.82	150.0	V	27.0	11.8

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

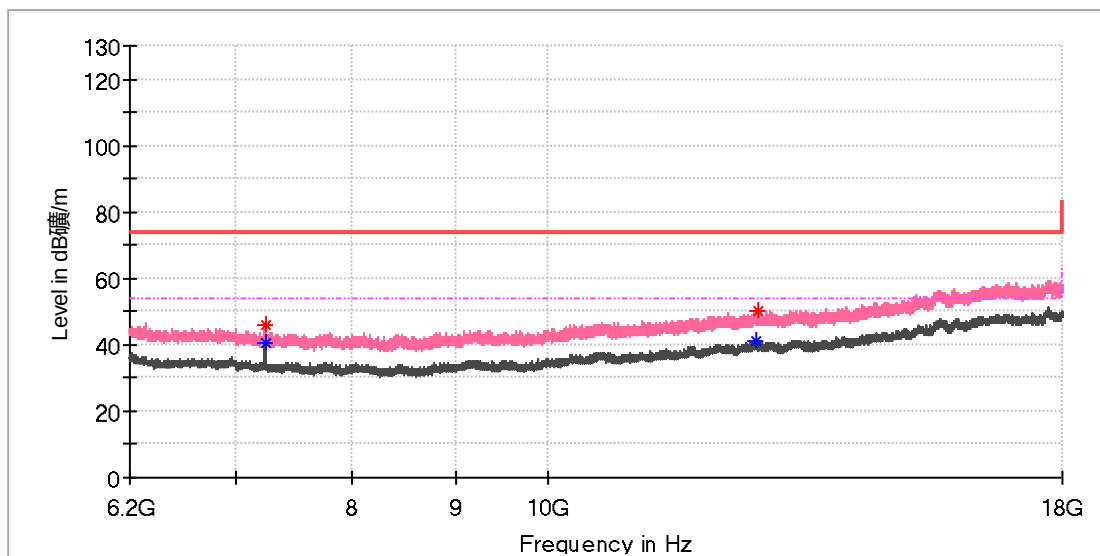
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7233.975000	47.95	---	74.00	26.05	150.0	H	323.0	8.6
7234.958333	---	42.37	54.00	11.63	150.0	H	323.0	8.6
12136.875000	---	40.11	54.00	13.89	150.0	H	0.0	14.3
12174.733333	49.36	---	74.00	24.64	150.0	H	358.0	14.5

Final Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

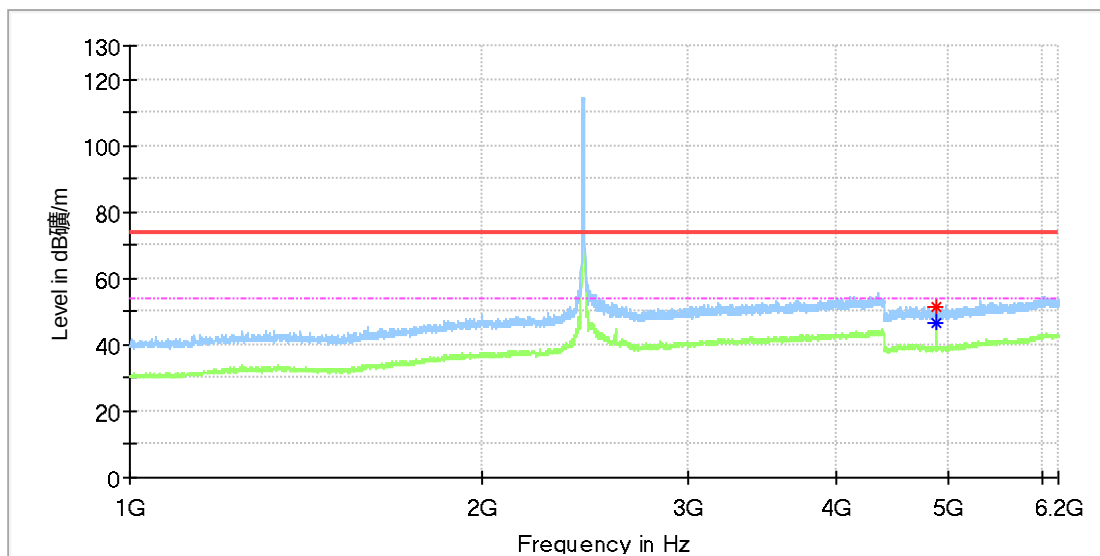
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7236.433333	46.20	---	74.00	27.80	150.0	V	340.0	8.6
7236.433333	---	40.43	54.00	13.57	150.0	V	340.0	8.6
12679.183333	---	40.93	54.00	13.07	150.0	V	0.0	15.1
12708.683333	49.90	---	74.00	24.10	150.0	V	0.0	15.1

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

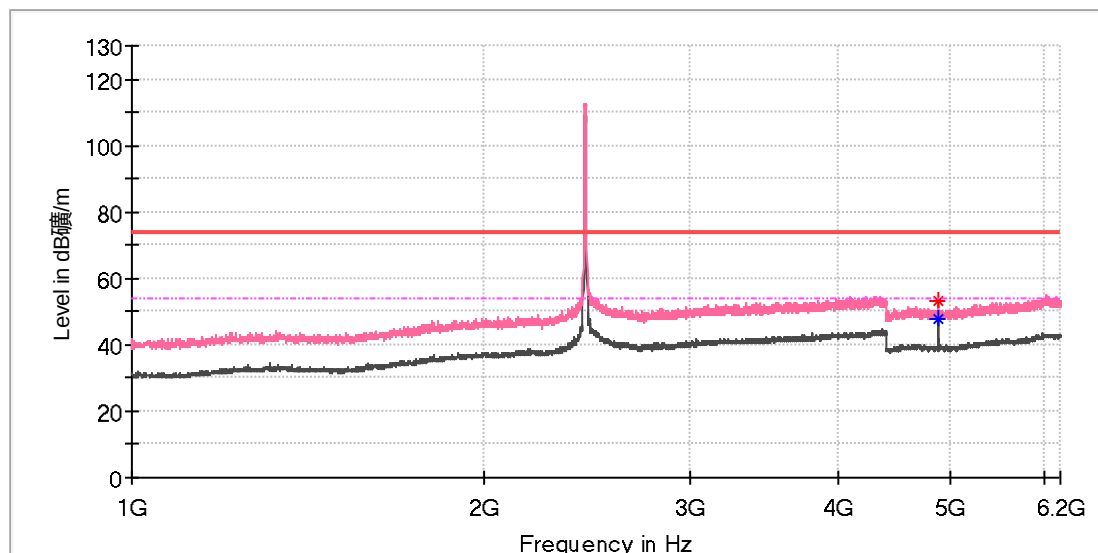
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	51.65	---	74.00	22.35	150.0	H	139.0	11.8
4874.000000	---	46.26	54.00	7.74	150.0	H	63.0	11.8

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

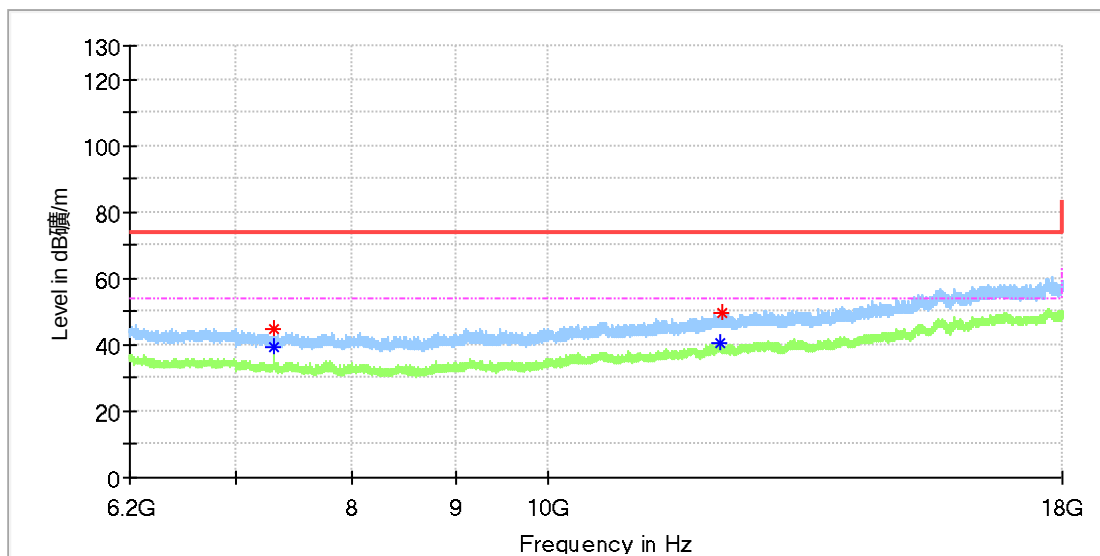
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	53.12	---	74.00	20.88	150.0	V	28.0	11.8
4874.000000	---	47.85	54.00	6.15	150.0	V	28.0	11.8

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

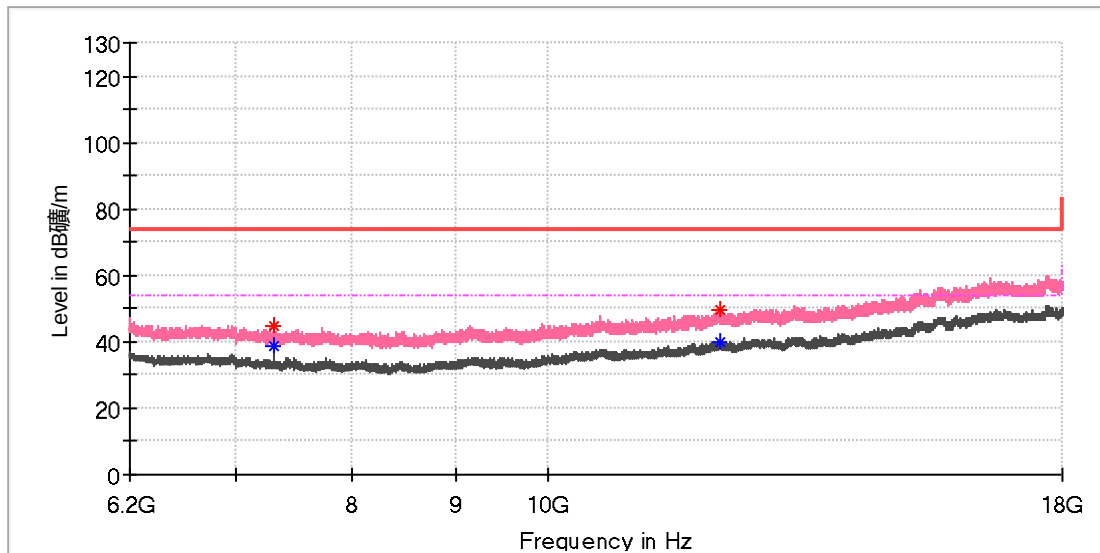
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7311.166667	---	39.25	54.00	14.75	150.0	H	337.0	8.2
7312.150000	45.00	---	74.00	29.00	150.0	H	337.0	8.2
12167.850000	---	40.32	54.00	13.68	150.0	H	0.0	14.5
12191.450000	49.82	---	74.00	24.18	150.0	H	186.0	14.6

Final Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

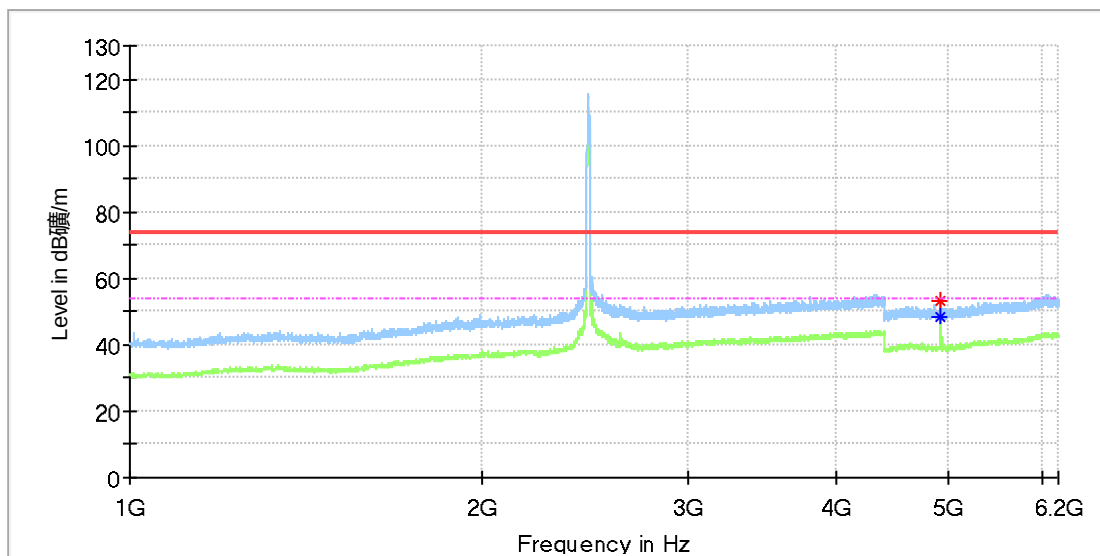
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.200000	---	38.76	54.00	15.24	150.0	V	22.0	8.2
7309.691667	44.65	---	74.00	29.35	150.0	V	22.0	8.2
12167.850000	---	40.11	54.00	13.89	150.0	V	307.0	14.5
12185.058333	49.75	---	74.00	24.25	150.0	V	0.0	14.6

Final Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

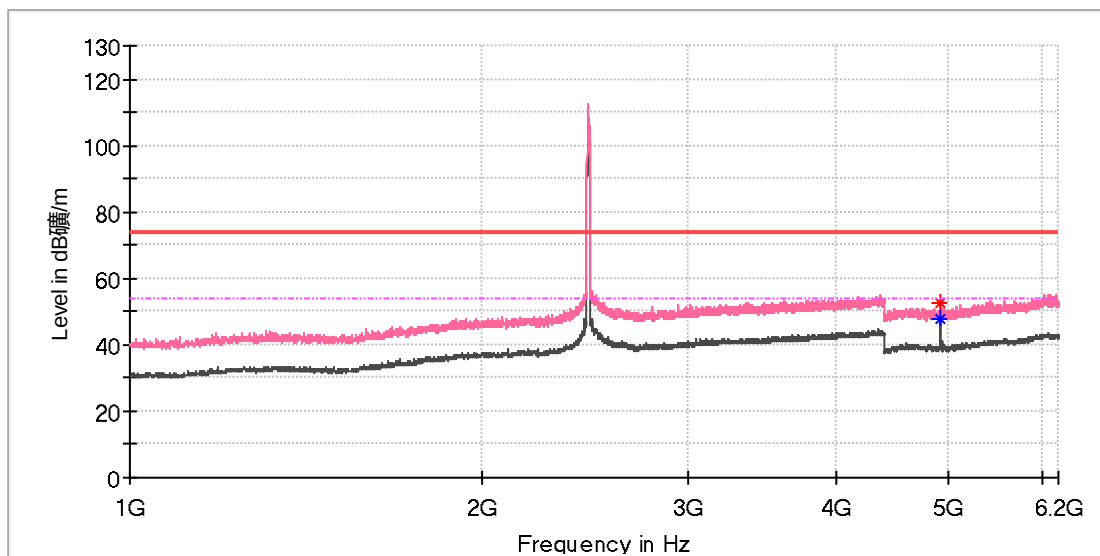
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	53.10	---	74.00	20.90	150.0	H	52.0	11.8
4924.000000	---	48.58	54.00	5.42	150.0	H	52.0	11.8

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

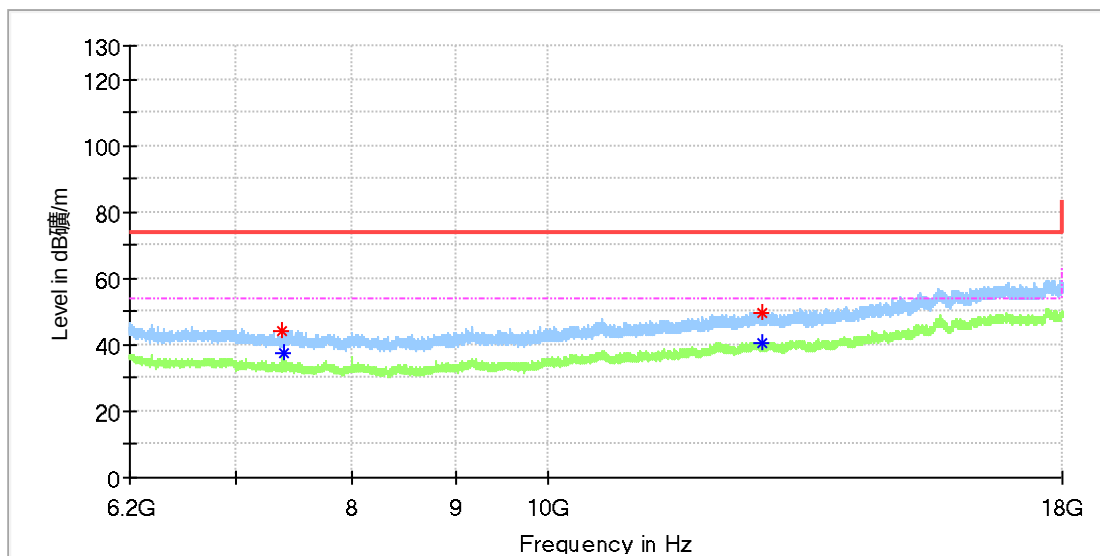
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	52.60	---	74.00	21.40	150.0	V	29.0	11.8
4924.000000	---	47.82	54.00	6.18	150.0	V	29.0	11.8

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

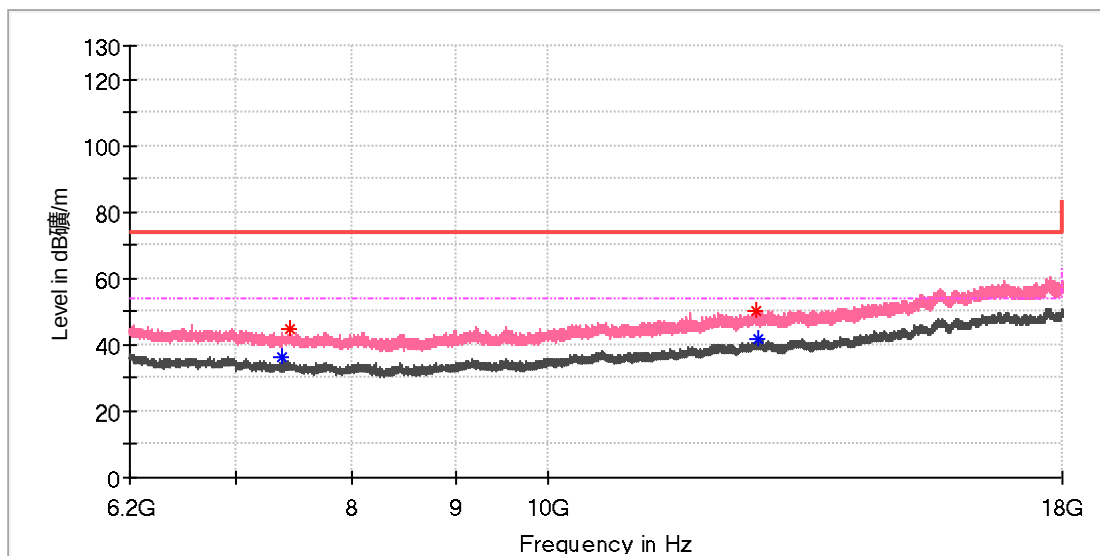
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7385.408333	44.41	---	74.00	29.59	150.0	H	325.0	8.2
7386.391667	---	37.20	54.00	16.80	150.0	H	325.0	8.2
12758.833333	49.74	---	74.00	24.26	150.0	H	286.0	15.2
12758.833333	---	40.74	54.00	13.26	150.0	H	286.0	15.2

Final Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

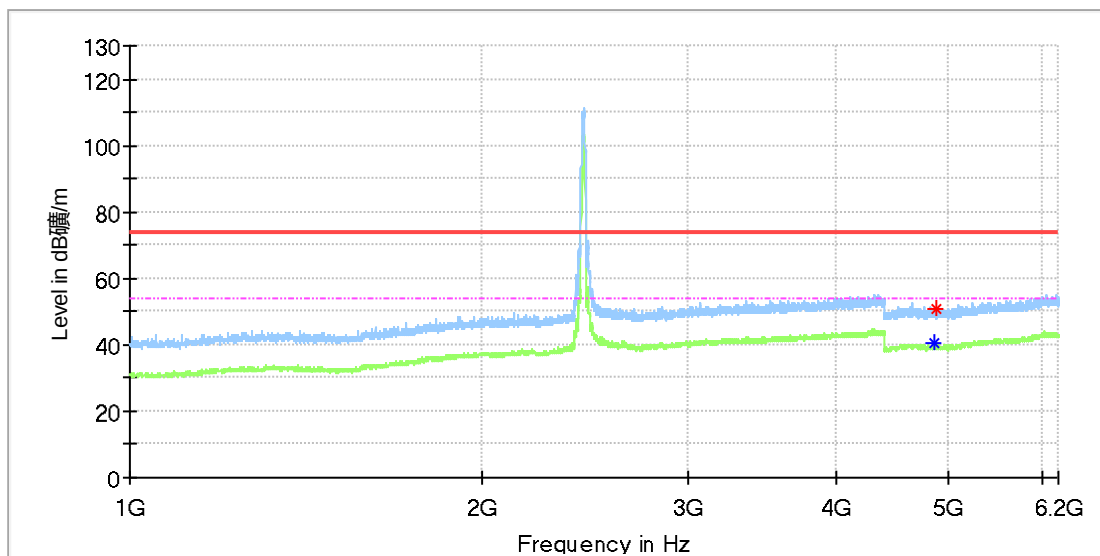
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7383.933333	---	36.40	54.00	17.60	150.0	V	32.0	8.2
7447.850000	44.74	---	74.00	29.26	150.0	V	8.0	8.5
12678.691667	50.36	---	74.00	23.64	150.0	V	102.0	15.1
12716.550000	---	41.43	54.00	12.57	150.0	V	188.0	15.1

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: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

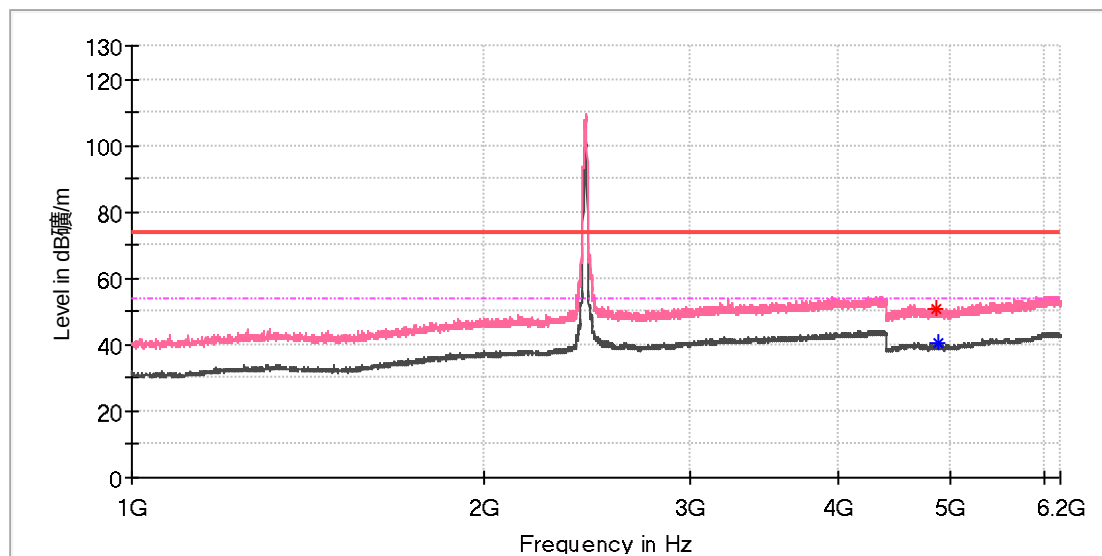
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4868.000000	---	40.71	54.00	13.29	150.0	H	40.0	11.8
4880.500000	50.65	---	74.00	23.35	150.0	H	40.0	11.8

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

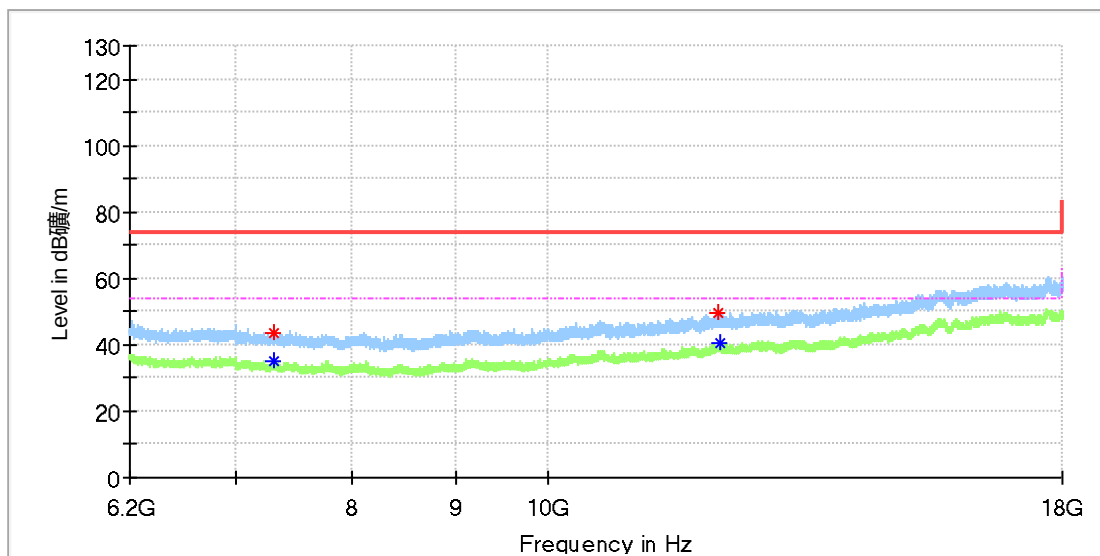
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4860.000000	50.65	---	74.00	23.35	150.0	V	38.0	11.8
4870.000000	---	40.59	54.00	13.41	150.0	V	32.0	11.8

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

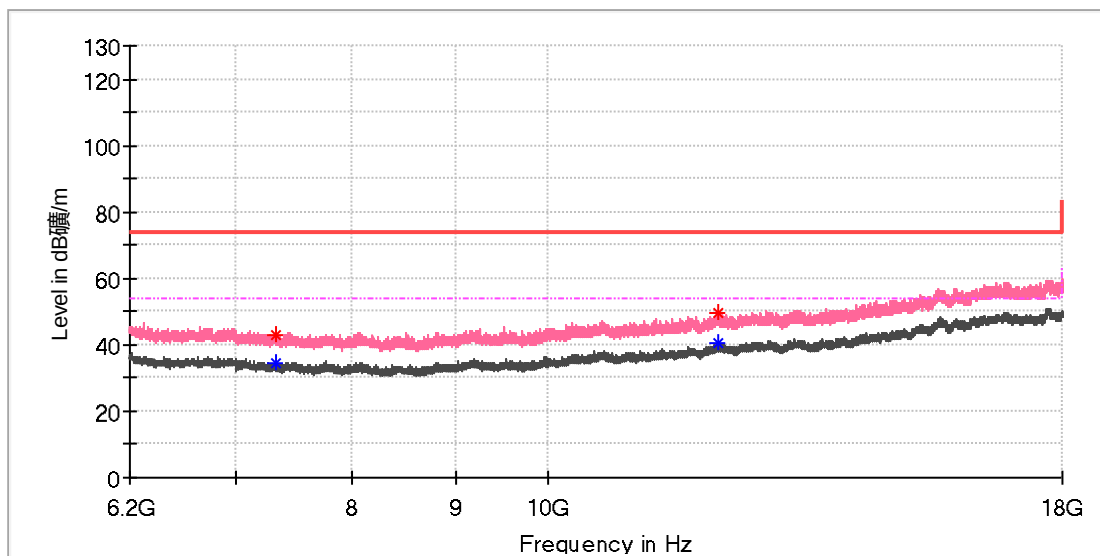
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7302.316667	43.32	---	74.00	30.68	150.0	H	12.0	8.3
7306.741667	---	34.90	54.00	19.10	150.0	H	157.0	8.3
12158.016667	49.52	---	74.00	24.48	150.0	H	12.0	14.5
12180.633333	---	40.22	54.00	13.78	150.0	H	121.0	14.6

Final Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

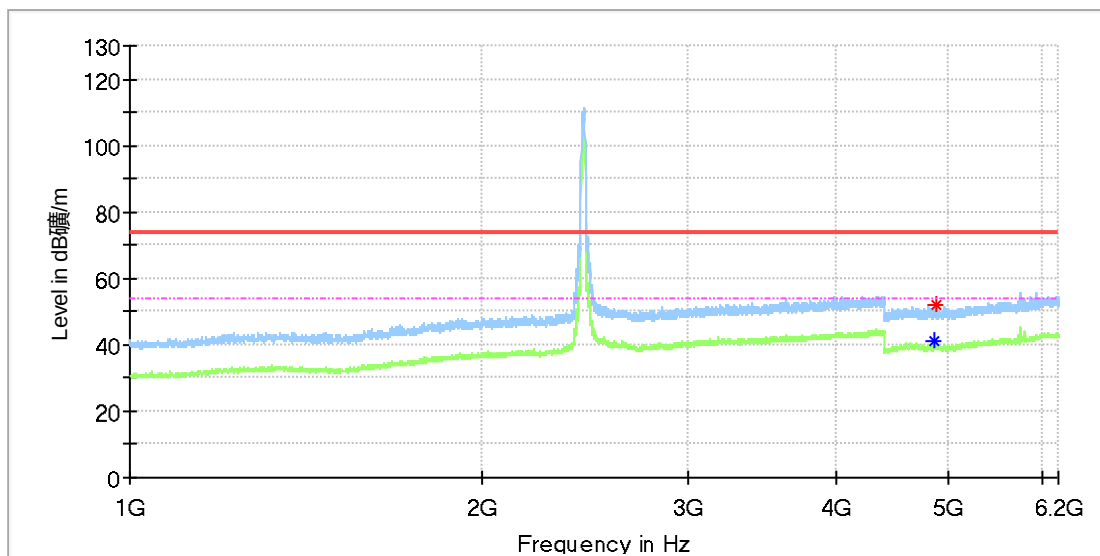
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7320.508333	42.91	---	74.00	31.09	150.0	V	359.0	8.2
7327.391667	---	34.53	54.00	19.47	150.0	V	303.0	8.1
12140.808333	49.31	---	74.00	24.69	150.0	V	0.0	14.4
12147.691667	---	40.38	54.00	13.62	150.0	V	329.0	14.4

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: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11ac20_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

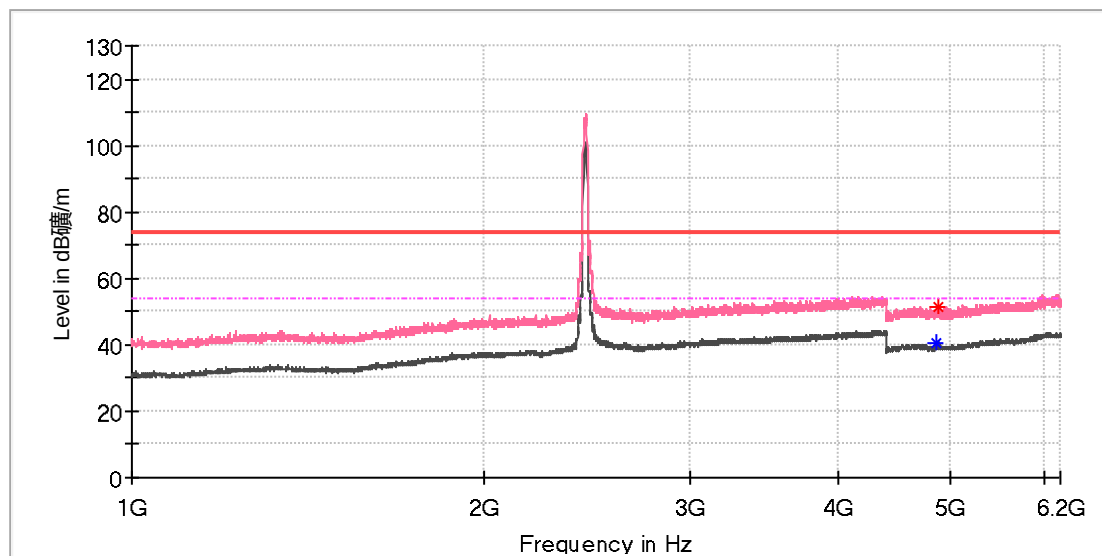
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4867.500000	---	41.01	54.00	12.99	150.0	H	40.0	11.8
4875.000000	51.77	---	74.00	22.23	150.0	H	52.0	11.8

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11ac20_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

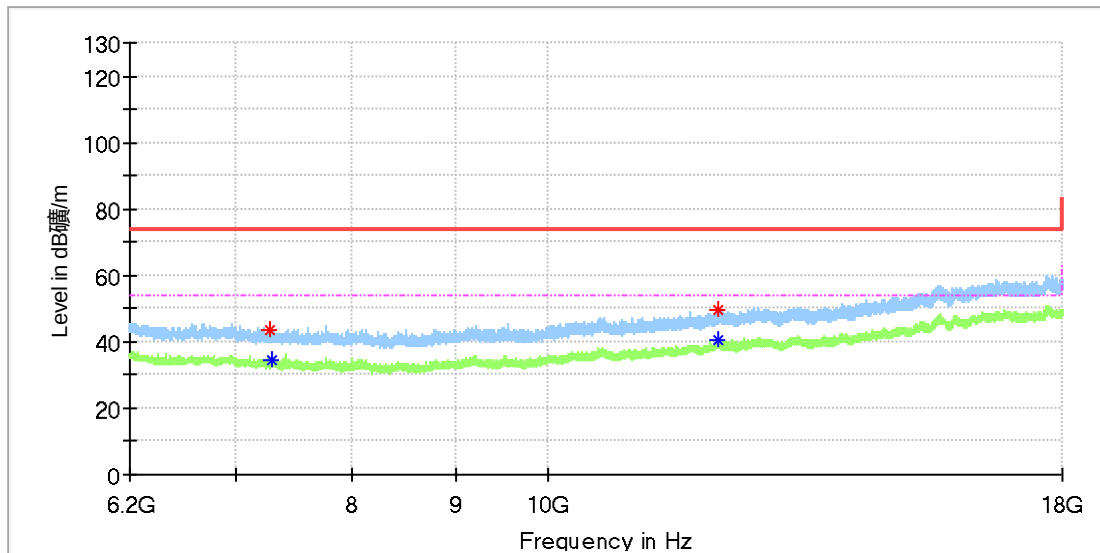
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4868.000000	---	40.71	54.00	13.29	150.0	V	27.0	11.8
4872.000000	51.46	---	74.00	22.54	150.0	V	33.0	11.8

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11ac20_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

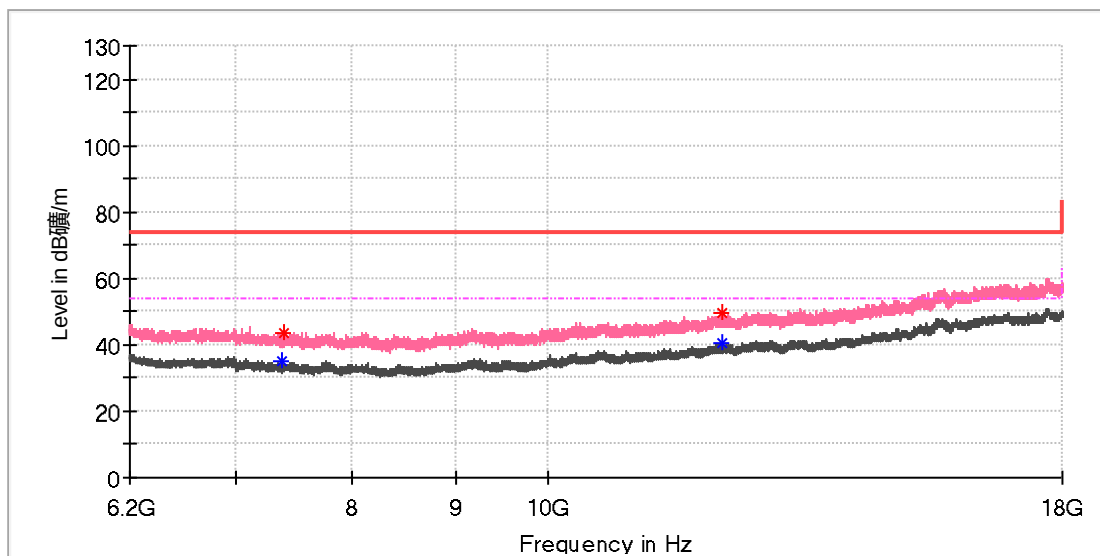
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7272.325000	43.54	---	74.00	30.46	150.0	H	329.0	8.4
7289.533333	---	34.55	54.00	19.45	150.0	H	268.0	8.4
12155.066667	---	40.73	54.00	13.27	150.0	H	329.0	14.4
12156.541667	49.87	---	74.00	24.13	150.0	H	359.0	14.4

Final Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11ac20_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

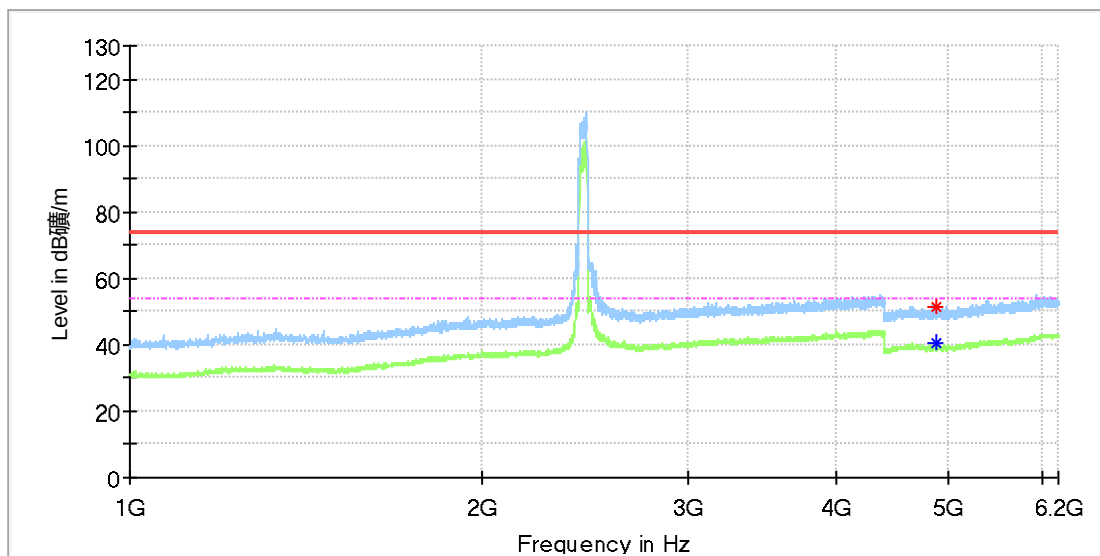
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7383.441667	---	35.20	54.00	18.80	150.0	V	343.0	8.2
7386.883333	43.71	---	74.00	30.29	150.0	V	100.0	8.2
12188.008333	---	40.34	54.00	13.66	150.0	V	27.0	14.6
12204.725000	49.39	---	74.00	24.61	150.0	V	75.0	14.7

Final Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11ac40_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

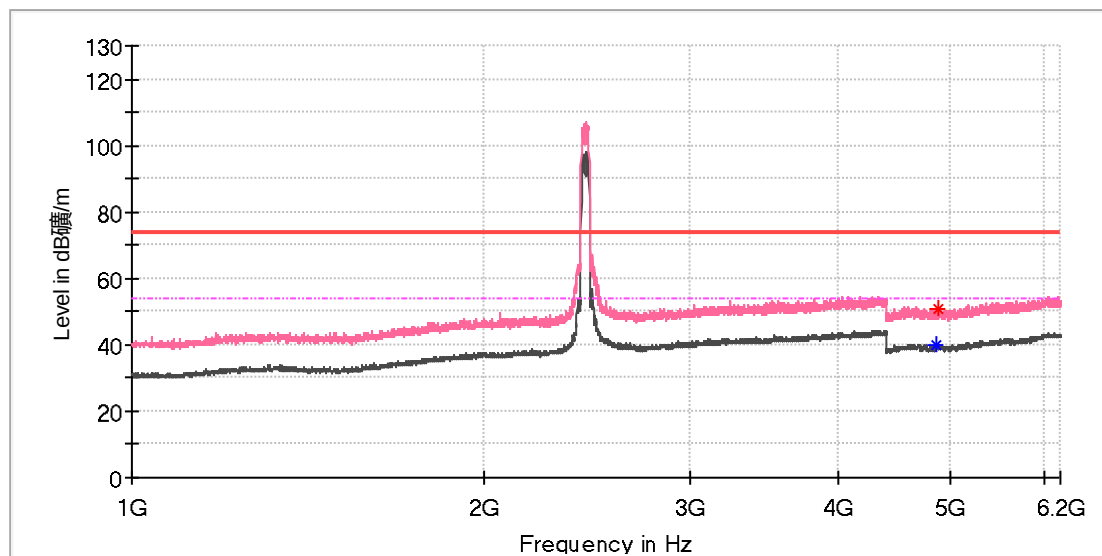
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4872.500000	---	40.62	54.00	13.38	150.0	H	54.0	11.8
4881.000000	51.54	---	74.00	22.46	150.0	H	43.0	11.8

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11ac40_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

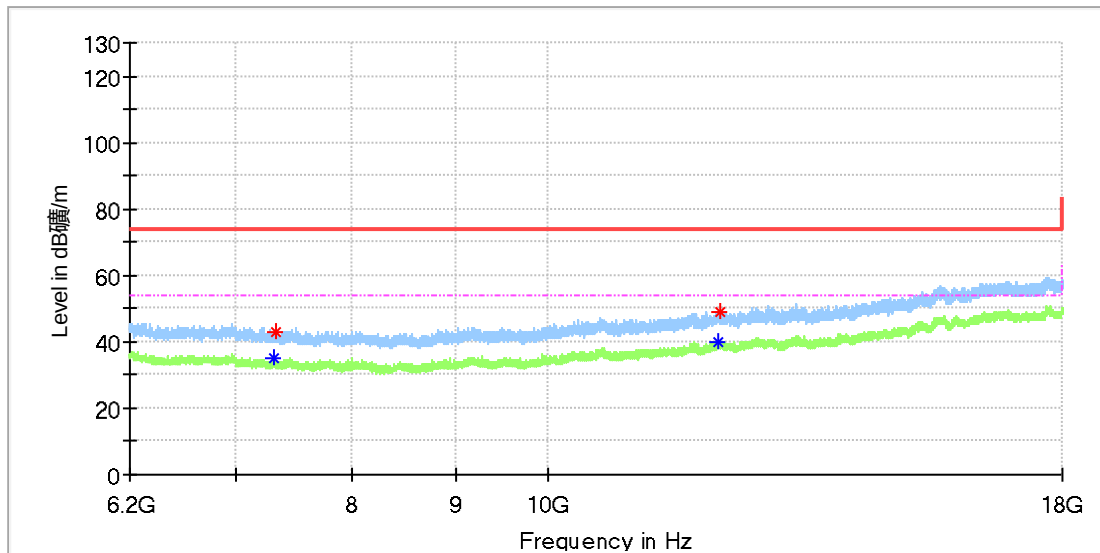
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4868.000000	---	40.13	54.00	13.87	150.0	V	27.0	11.8
4875.500000	50.69	---	74.00	23.31	150.0	V	107.0	11.8

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11ac40_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

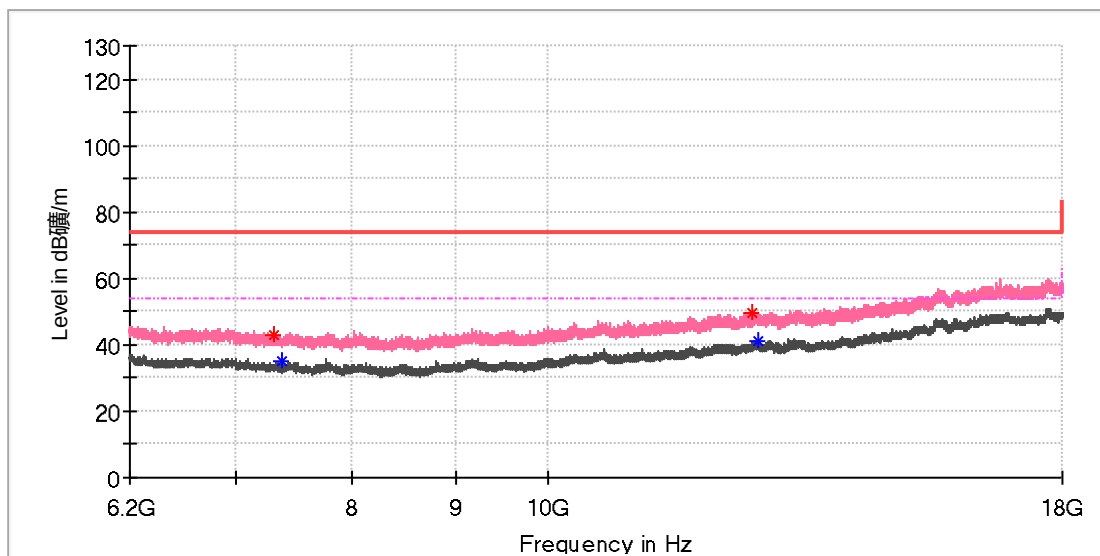
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.200000	---	35.11	54.00	18.89	150.0	H	0.0	8.2
7320.016667	43.07	---	74.00	30.93	150.0	H	128.0	8.2
12158.016667	---	40.01	54.00	13.99	150.0	H	152.0	14.5
12165.883333	49.20	---	74.00	24.80	150.0	H	79.0	14.5

Final Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11ac40_Ch6
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
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)
7316.575000	42.98	---	74.00	31.02	150.0	V	323.0	8.2
7383.441667	---	35.11	54.00	18.89	150.0	V	348.0	8.2
12626.575000	49.50	---	74.00	24.50	150.0	V	311.0	14.9
12707.208333	---	40.96	54.00	13.04	150.0	V	348.0	15.1

Final Result

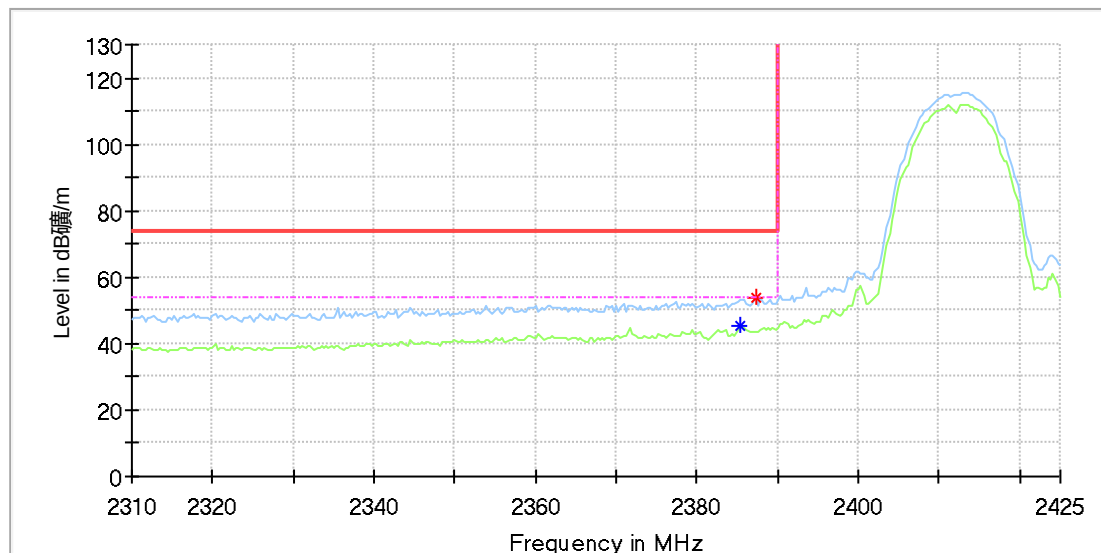
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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

Both 4x4 MIMO mode of Full RU and Partial RU tested for 802.11 be/ax, only the worst-case reported.

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

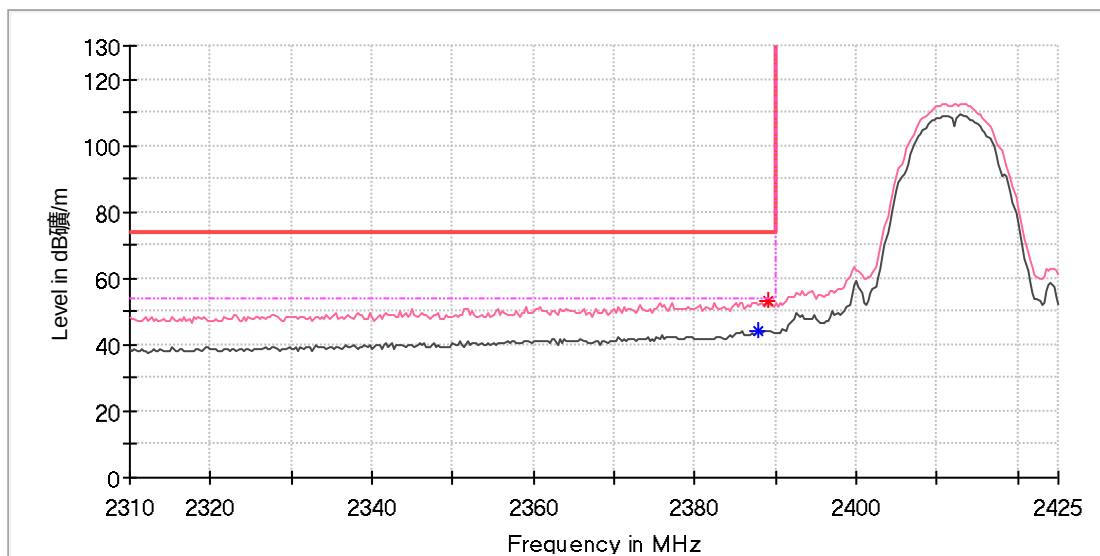
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.294118	---	45.62	54.00	8.38	150.0	H	188.0	7.0
2387.352941	53.66	---	74.00	20.34	150.0	H	167.0	7.0

Final Result

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

EUT Information

EUT Name: WiFi 7 Router
 Model: AR2340G
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168478033/A003691667-001
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

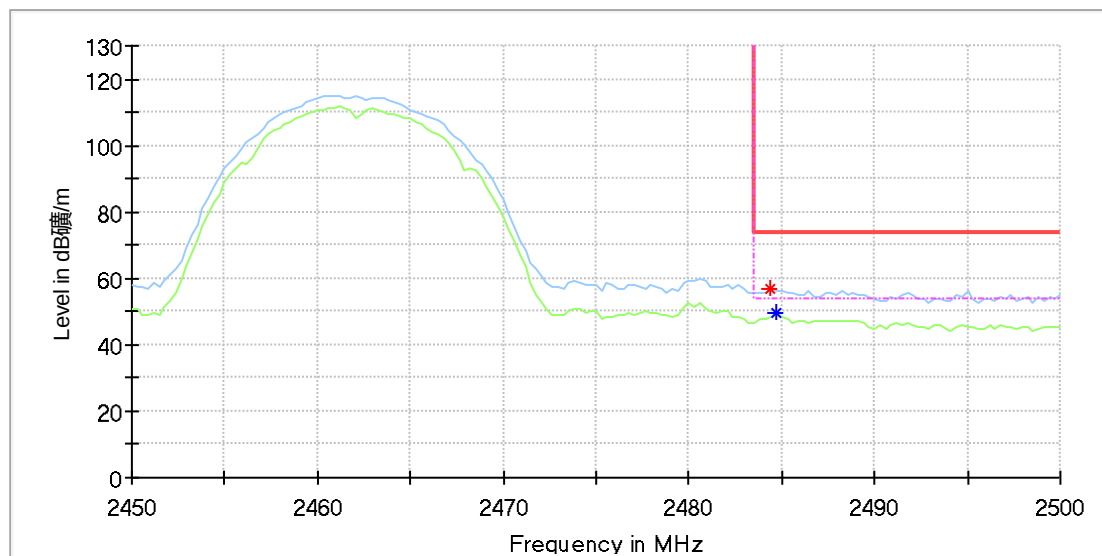
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.941177	---	44.38	54.00	9.62	150.0	V	51.0	7.0
2389.117647	52.92	---	74.00	21.08	150.0	V	94.0	7.0

Final_Result

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

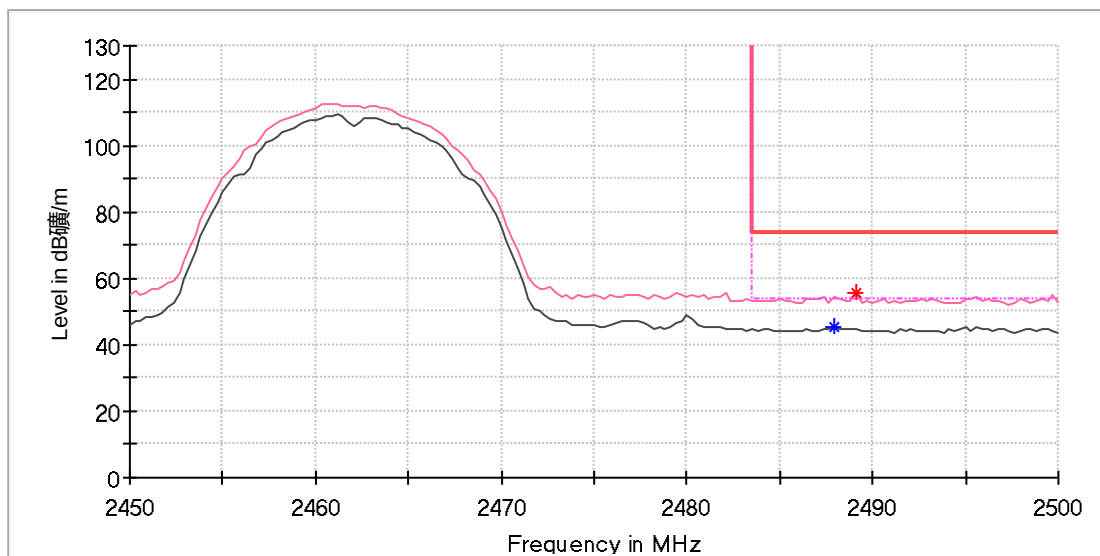
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.411765	56.85	---	74.00	17.15	150.0	H	157.0	7.4
2484.705882	---	49.32	54.00	4.68	150.0	H	164.0	7.4

Final_Result

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

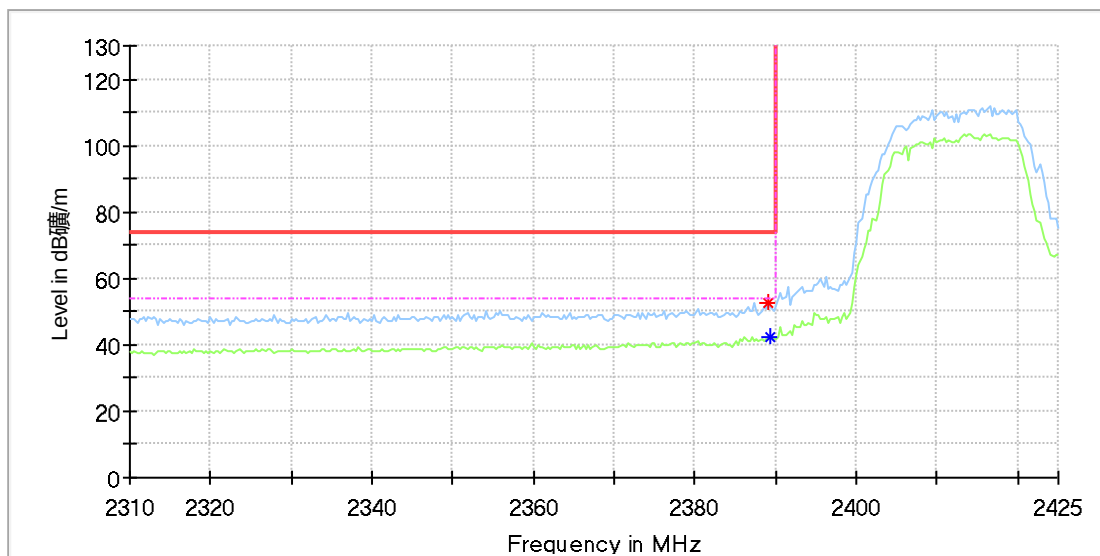
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.941177	---	45.52	54.00	8.49	150.0	V	119.0	7.4
2489.117647	55.50	---	74.00	18.50	150.0	V	91.0	7.4

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
 Model: AR2340G
 Test Mode: WIFI 2.4G_11g_Ch1
 Order No/Sample No: 168478033/A003691667-001
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

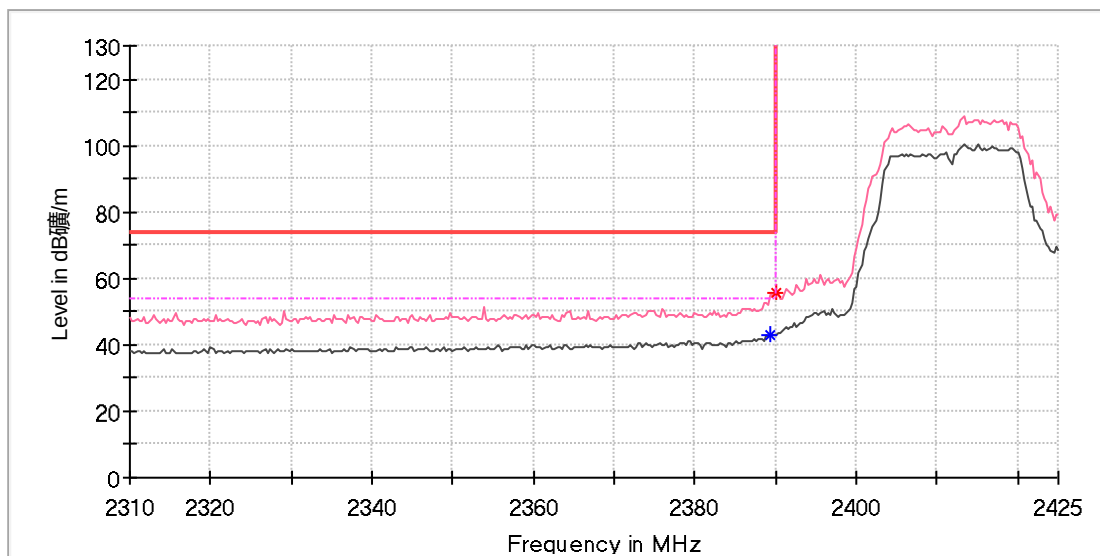
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.117647	52.71	---	74.00	21.29	150.0	H	37.0	7.0
2389.411765	---	42.20	54.00	11.80	150.0	H	37.0	7.0

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11g_Ch1
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

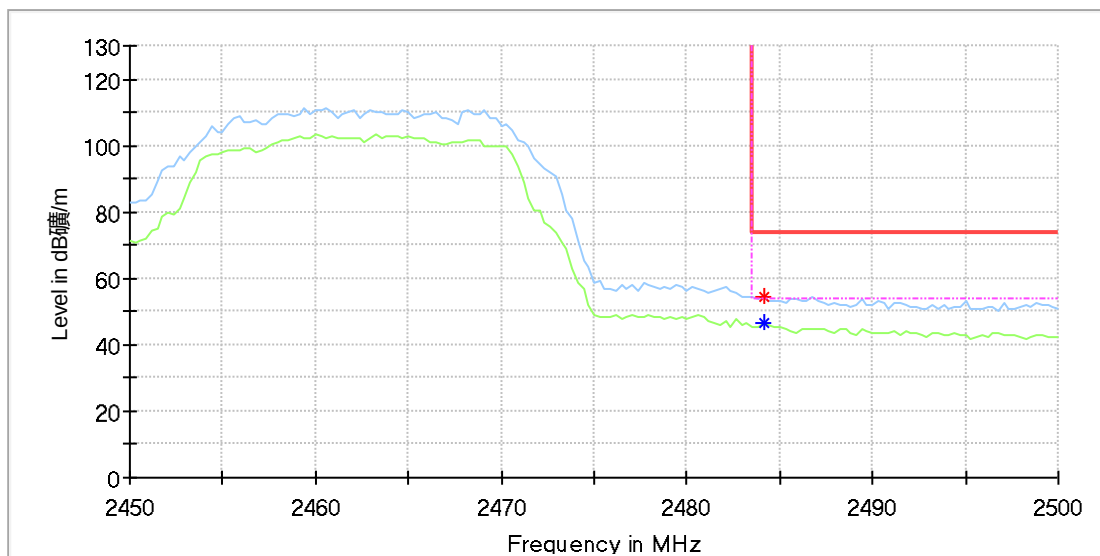
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.411765	---	43.00	54.00	11.00	150.0	V	115.0	7.0
2390.000000	55.38	---	74.00	18.62	150.0	V	122.0	7.0

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11g_Ch11
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

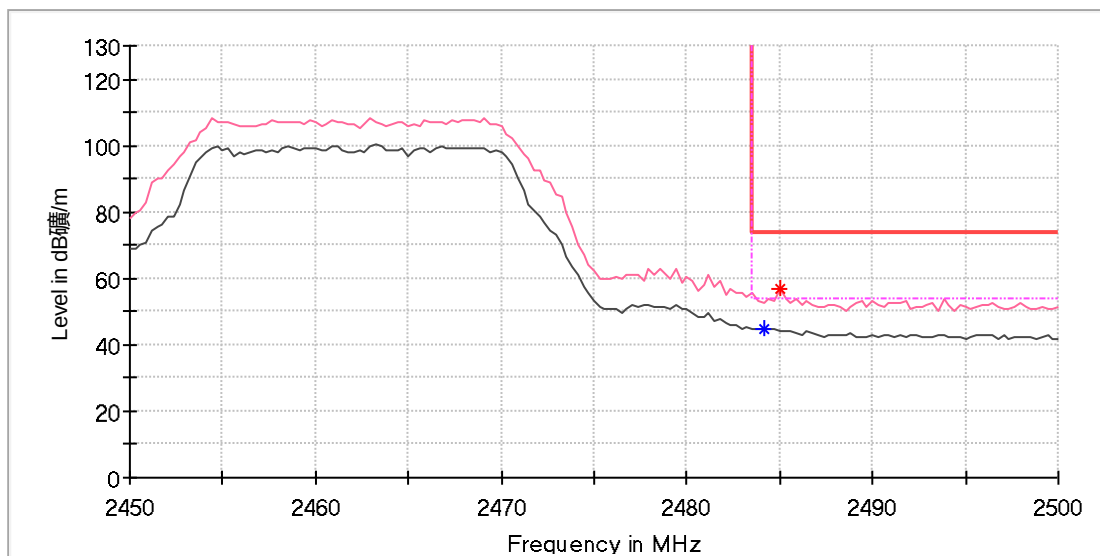
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.117647	---	46.55	54.00	7.45	150.0	H	178.0	7.4
2484.117647	54.52	---	74.00	19.48	150.0	H	178.0	7.4

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11g_Ch11
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

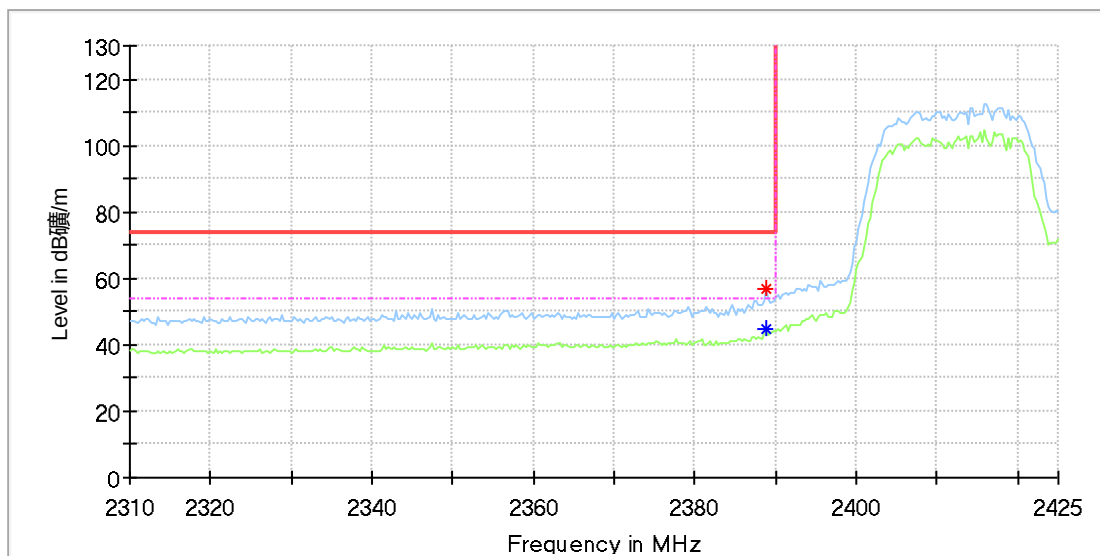
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.117647	---	44.83	54.00	9.17	150.0	V	112.0	7.4
2485.000000	56.93	---	74.00	17.07	150.0	V	120.0	7.4

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11ac20_Ch1
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

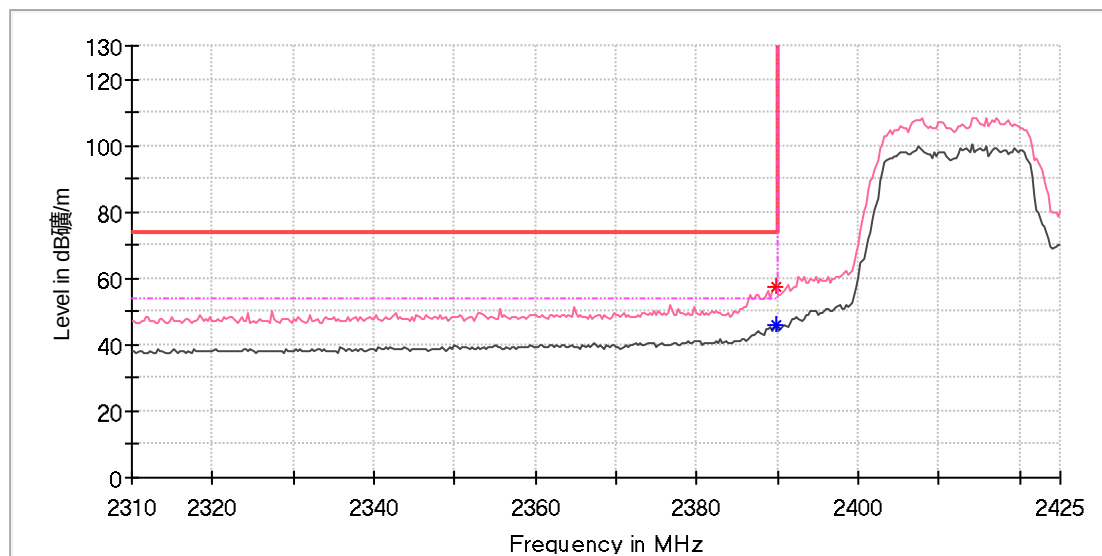
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.823529	56.65	---	74.00	17.35	150.0	H	41.0	7.0
2388.823529	---	44.56	54.00	9.44	150.0	H	41.0	7.0

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
 Model: AR2340G
 Test Mode: WIFI 2.4G_11ac20_Ch1
 Order No/Sample No: 168478033/A003691667-001
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

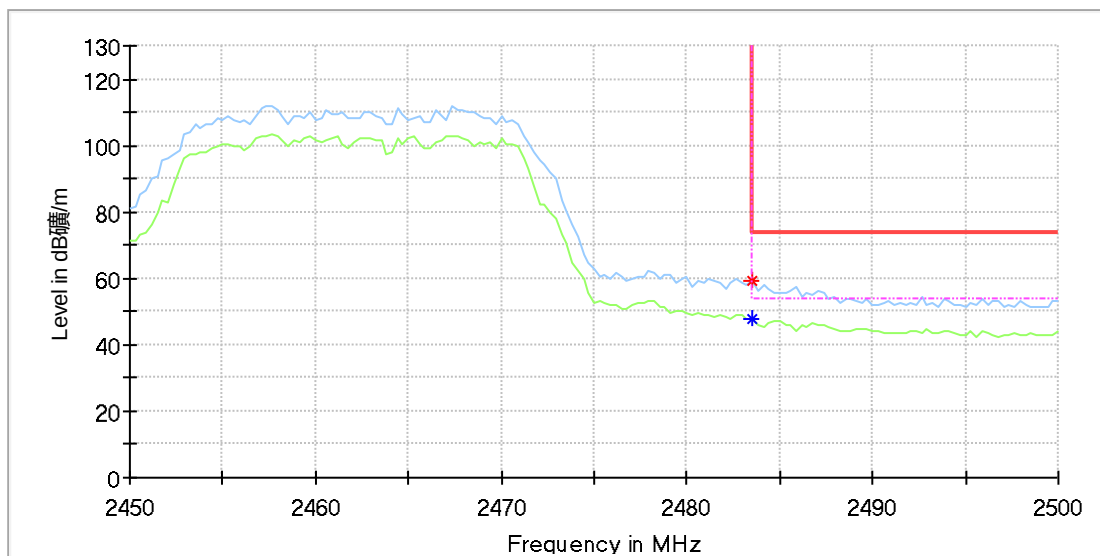
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	57.41	---	74.00	16.59	150.0	V	12.0	7.0
2389.705882	---	45.71	54.00	8.29	150.0	V	12.0	7.0

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11ac20_Ch11
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

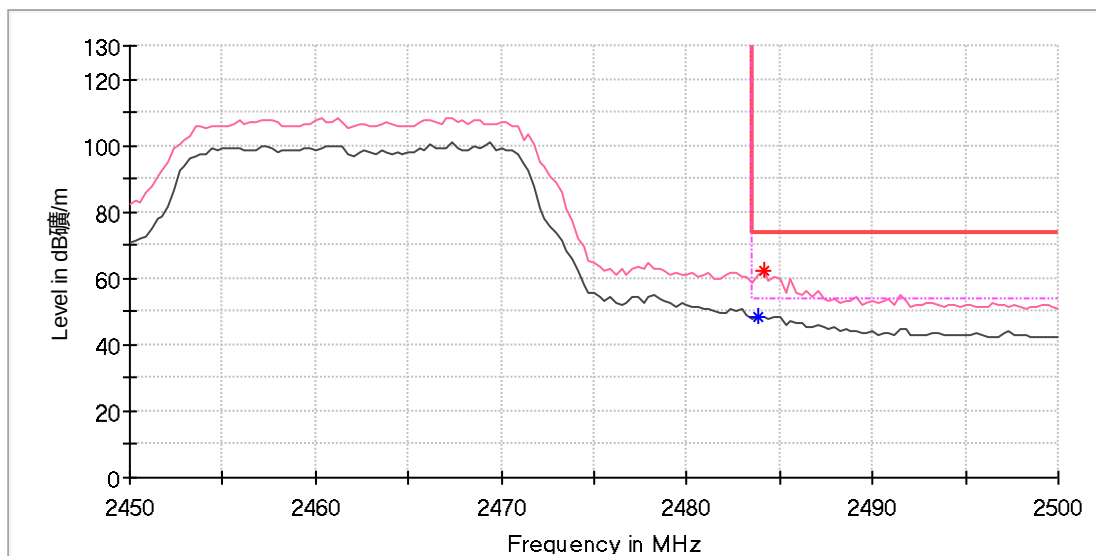
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	47.73	54.00	6.27	150.0	H	52.0	7.4
2483.529412	59.02	---	74.00	14.98	150.0	H	52.0	7.4

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11ac20_Ch11
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

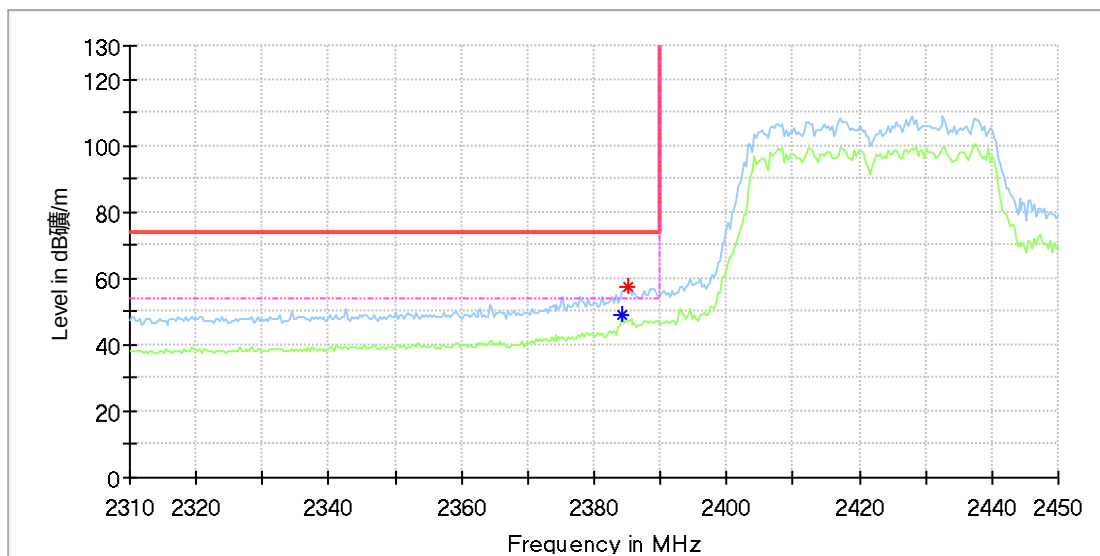
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	---	48.54	54.00	5.46	150.0	V	113.0	7.4
2484.117647	62.21	---	74.00	11.79	150.0	V	113.0	7.4

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
 Model: AR2340G
 Test Mode: WIFI 2.4G_11ac40_Ch3
 Order No/Sample No: 168478033/A003691667-001
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

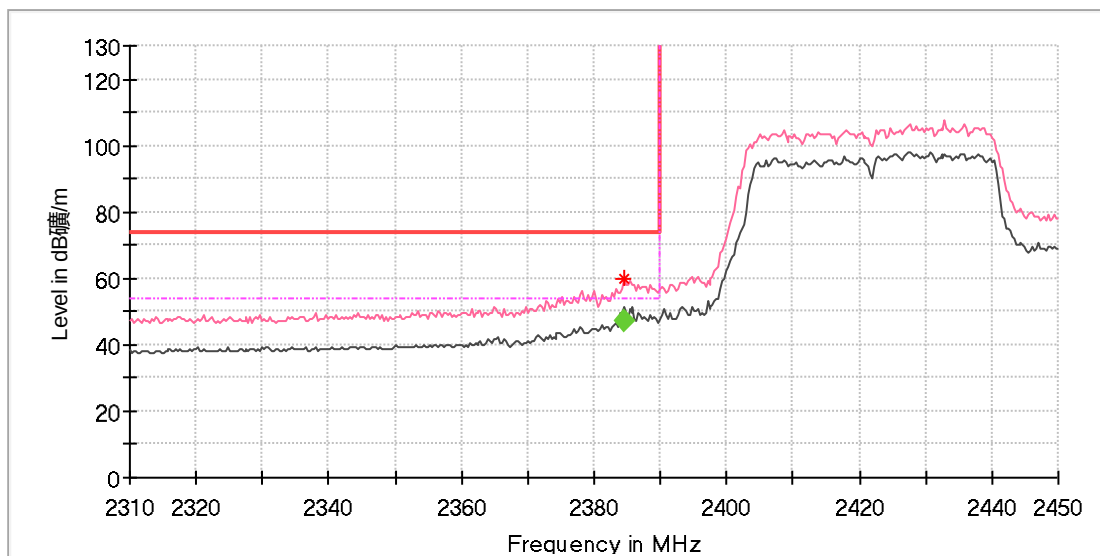
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2384.117647	---	49.06	54.00	4.94	150.0	H	254.0	7.0
2385.000000	57.50	---	74.00	16.50	150.0	H	46.0	7.0

Final_Result

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

EUT Information

EUT Name: WiFi 7 Router
 Model: AR2340G
 Test Mode: WIFI 2.4G_11ac40_Ch3
 Order No/Sample No: 168478033/A003691667-001
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

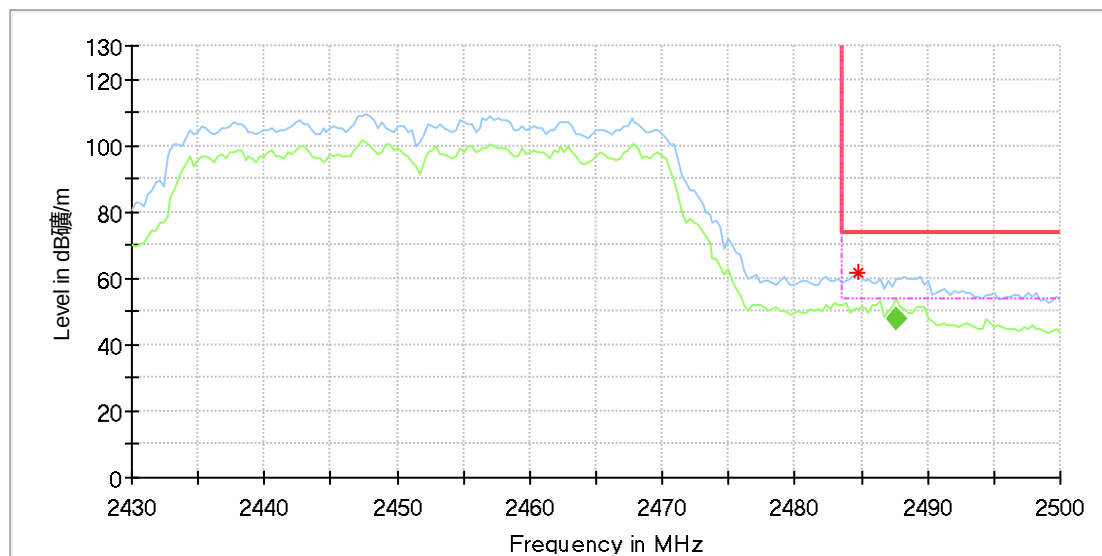
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2384.411765	59.68	---	74.00	14.32	150.0	V	316.0	7.0

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2384.411765	47.01	54.00	6.99	150.0	V	315.0	7.0

EUT Information

EUT Name: WiFi 7 Router
 Model: AR2340G
 Test Mode: WIFI 2.4G_11ac40_Ch9
 Order No/Sample No: 168478033/A003691667-001
 Test Voltage:: 120V/60Hz
 Remark: Temp 23 Humi:58%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

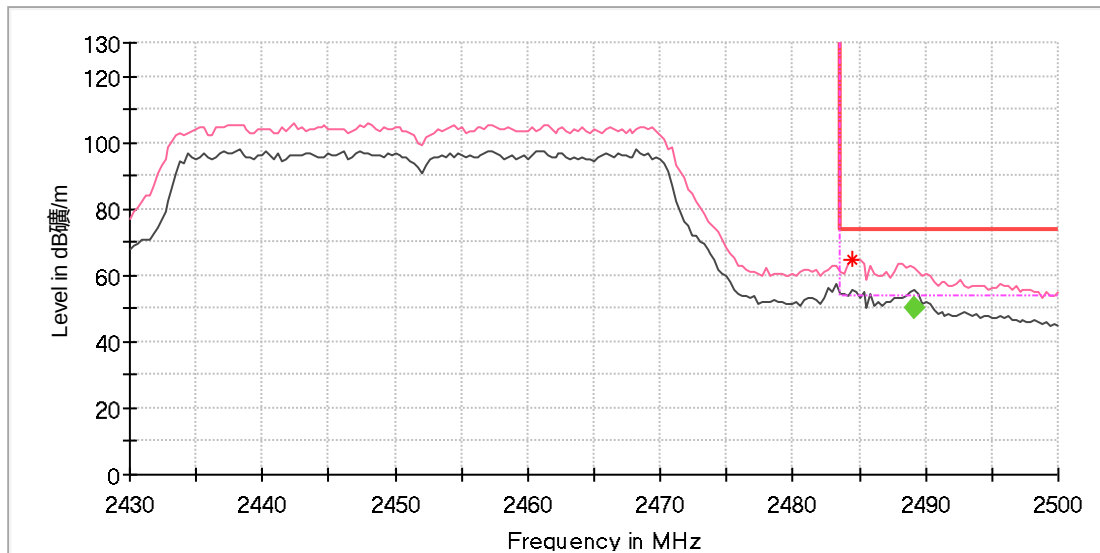
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.705882	61.38	---	74.00	12.62	150.0	H	51.0	7.4

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.647059	47.98	54.00	6.02	149.0	H	28.0	7.4

EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WIFI 2.4G_11ac40_Ch9
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 23 Humi:58%
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	64.52	---	74.00	9.48	150.0	V	144.0	7.4

Final_Result

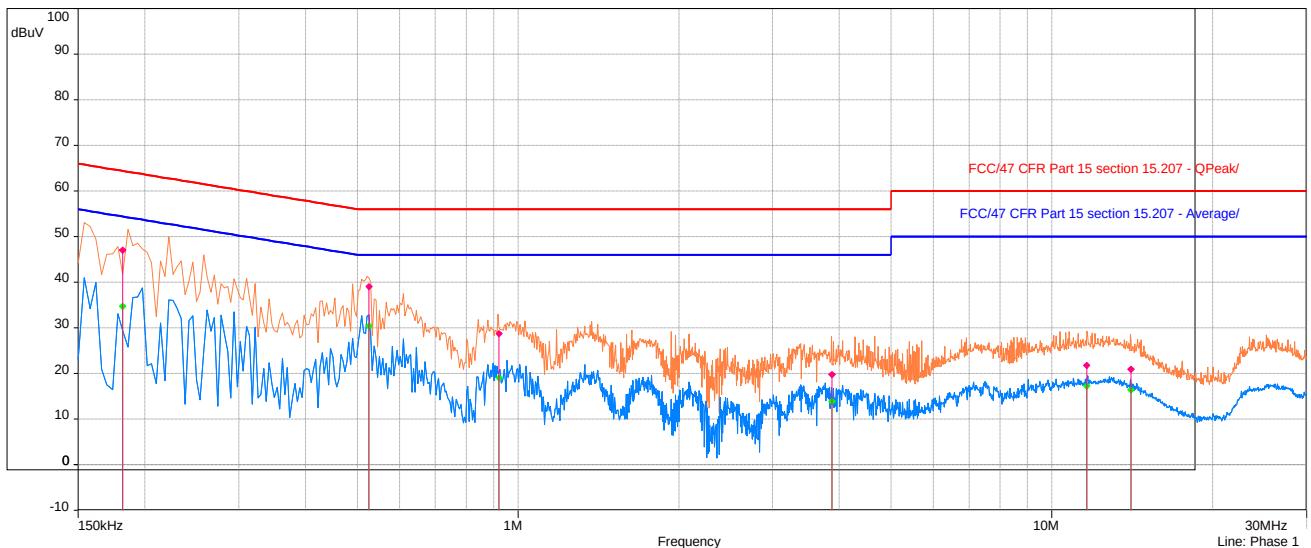
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2489.117647	50.45	54.00	3.55	150.0	V	116.0	7.4

Appendix A.8: Test Results of AC Conducted Emissions

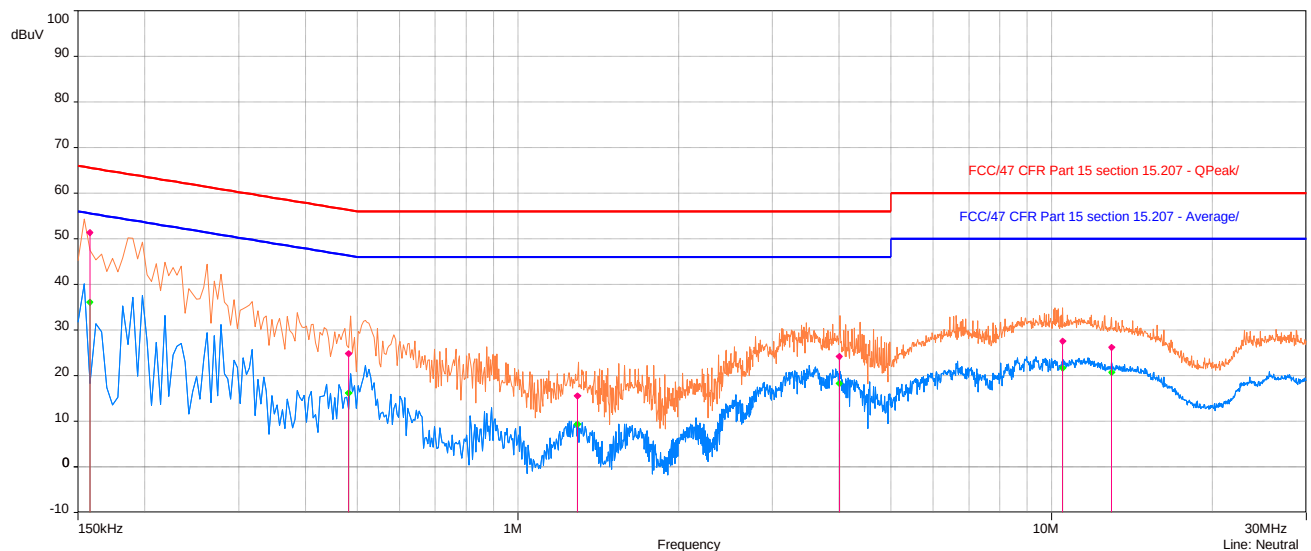
EUT Information

EUT Name: WiFi 7 Router
Model: AR2340G
Test Mode: WI-Fi & BLE Connecting
Order No/Sample No: 168478033/A003691667-001
Test Voltage:: 120V/60Hz
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.207
Tested By: Jack Huang
Reviewed By: Jacky Chen

— FCC/47 CFR Part 15 section 15.207 - Average/
— FCC/47 CFR Part 15 section 15.207 - QPeak/
— Peak (Phase 1)
— Avg (Phase 1)
◆ Meas.Q-Peak (dBuV) (QuasiPeak) (Phase 1)
◆ Meas.Avg (dBuV) (Average) (Phase 1)



— FCC/47 CFR Part 15 section 15.207 - Average/
— FCC/47 CFR Part 15 section 15.207 - QPeak/
— Peak (Neutral)
— Avg (Neutral)
◆ Meas.Q-Peak (dBuV) (QuasiPeak) (Neutral)
◆ Meas.Avg (dBuV) (Average) (Neutral)



Average (12)

Frequency (MHz)	SR	Meas.Avg (dBuV)	Limit (dBuV)	Meas.-Lim (dB)	Line	RBW	Meas.Time (s)	Comments	Correction (dB)
0.159	1	36.15	55.57	-19.42	Neutral	9k	1	Pass	9.54
0.48375	1	16.23	46.30	-30.07	Neutral	9k	1	Pass	9.54
1.2935	1	9.36	46.00	-36.64	Neutral	9k	1	Pass	9.58
4.00775	1	18.38	46.00	-27.62	Neutral	9k	1	Pass	9.66
10.48375	1	21.66	50.00	-28.34	Neutral	9k	1	Pass	9.85
12.94825	1	20.79	50.00	-29.21	Neutral	9k	1	Pass	10.05
0.18375	2	34.72	54.39	-19.67	Phase 1	9k	1	Pass	9.54
0.52425	2	30.45	46.00	-15.55	Phase 1	9k	1	Pass	9.52
0.92025	2	19.10	46.00	-26.90	Phase 1	9k	1	Pass	9.53
3.87225	2	13.93	46.00	-32.07	Phase 1	9k	1	Pass	9.60
11.62375	2	17.32	50.00	-32.68	Phase 1	9k	1	Pass	9.83
14.0545	2	16.42	50.00	-33.58	Phase 1	9k	1	Pass	10.03

QuasiPeak (12)

Frequency (MHz)	SR	Meas.Q-Peak (dBuV)	Limit (dBuV)	Meas.-Lim (dB)	Line	RBW	Meas.Time (s)	Comments	Correction (dB)
0.159	1	51.42	65.57	-14.14	Neutral	9k	1	Pass	9.54
0.48375	1	24.86	56.30	-31.44	Neutral	9k	1	Pass	9.54
1.2935	1	15.55	56.00	-40.45	Neutral	9k	1	Pass	9.58
4.00775	1	24.26	56.00	-31.74	Neutral	9k	1	Pass	9.66
10.48375	1	27.55	60.00	-32.45	Neutral	9k	1	Pass	9.85
12.94825	1	26.27	60.00	-33.73	Neutral	9k	1	Pass	10.05
0.18375	2	47.04	64.39	-17.35	Phase 1	9k	1	Pass	9.54
0.52425	2	39.04	56.00	-16.96	Phase 1	9k	1	Pass	9.52
0.92025	2	28.77	56.00	-27.23	Phase 1	9k	1	Pass	9.53
3.87225	2	19.75	56.00	-36.25	Phase 1	9k	1	Pass	9.60
11.62375	2	21.76	60.00	-38.24	Phase 1	9k	1	Pass	9.83
14.0545	2	20.96	60.00	-39.04	Phase 1	9k	1	Pass	10.03