11N40MIMO_Ant4_5755

11N40MIMO_Ant1_5795

11N40MIMO_Ant2_5795

11N40MIMO_Ant3_5795

11N40MIMO_Ant4_5795

11AC20MIMO_Ant1_5745

11AC20MIMO_Ant2_5745

11AC20MIMO_Ant3_5745

11AC20MIMO_Ant4_5745

11AC20MIMO_Ant1_5785

11AC20MIMO_Ant2_5785

11AC20MIMO_Ant3_5785

11AC20MIMO_Ant4_5785

11AC20MIMO_Ant1_5825

11AC20MIMO_Ant2_5825

11AC20MIMO_Ant3_5825

11AC20MIMO_Ant4_5825

11AC40MIMO_Ant1_5755

11AC40MIMO_Ant2_5755

11AC40MIMO_Ant3_5755

11AC40MIMO_Ant4_5755

11AC40MIMO_Ant1_5795

11AC40MIMO_Ant2_5795

11AC40MIMO_Ant3_5795

11AC40MIMO_Ant4_5795

11AC80MIMO_Ant1_5775

11AC80MIMO_Ant2_5775

11AC80MIMO_Ant3_5775

11AC80MIMO_Ant4_5775

11AX20MIMO_Ant1_5745

11AX20MIMO_Ant2_5745

11AX20MIMO_Ant3_5745

11AX20MIMO_Ant4_5745

11AX20MIMO_Ant1_5785

11AX20MIMO_Ant2_5785

11AX20MIMO_Ant3_5785

11AX20MIMO_Ant4_5785

11AX20MIMO_Ant1_5825

11AX20MIMO_Ant2_5825

11AX20MIMO_Ant3_5825

11AX20MIMO_Ant4_5825

11AX40MIMO_Ant1_5755

11AX40MIMO_Ant2_5755

11AX40MIMO_Ant3_5755

11AX40MIMO_Ant4_5755

11AX40MIMO_Ant1_5795

11AX40MIMO_Ant2_5795

11AX40MIMO_Ant3_5795

11AX40MIMO_Ant4_5795

11AX80MIMO_Ant1_5775

11AX80MIMO_Ant2_5775

11AX80MIMO_Ant3_5775

11AX80MIMO_Ant4_5775

11BE20MIMO_Ant1_5745

11BE20MIMO_Ant2_5745

11BE20MIMO_Ant3_5745

11BE20MIMO_Ant4_5745

11BE20MIMO_Ant1_5785

11BE20MIMO_Ant2_5785

11BE20MIMO_Ant3_5785

11BE20MIMO_Ant4_5785

11BE20MIMO_Ant1_5825

11BE20MIMO_Ant2_5825

11BE20MIMO_Ant3_5825

11BE20MIMO_Ant4_5825

11BE40MIMO_Ant1_5755

11BE40MIMO_Ant2_5755

11BE40MIMO_Ant3_5755

11BE40MIMO_Ant4_5755

11BE40MIMO_Ant1_5795

11BE40MIMO_Ant2_5795

11BE40MIMO_Ant3_5795

11BE40MIMO_Ant4_5795

11BE80MIMO_Ant1_5775

11BE80MIMO_Ant2_5775

11BE80MIMO_Ant3_5775

11BE80MIMO_Ant4_5775

Appendix B.7: Frequency Stability

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11BE20MIMO	Ant1	5180	NV	NT	60000.00	11.583012	20	PASS
			LV	NT	60000.00	11.583012	20	PASS
			HV	NT	80000.00	15.444015	20	PASS
		5260	NV	NT	60000.00	11.406844	20	PASS
			LV	NT	80000.00	15.209125	20	PASS
			HV	NT	80000.00	15.209125	20	PASS
		5500	NV	NT	80000.00	14.545455	20	PASS
			LV	NT	100000.00	18.181818	20	PASS
			HV	NT	80000.00	14.545455	20	PASS
		5745	NV	NT	60000.00	10.443864	20	PASS
			LV	NT	80000.00	13.925152	20	PASS
			HV	NT	60000.00	10.443864	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11BE20MIMO	Ant1	5180	NV	-30	60000.00	11.583012	20	PASS
			NV	-20	80000.00	15.444015	20	PASS
			NV	-10	60000.00	11.583012	20	PASS
			NV	0	60000.00	11.583012	20	PASS
			NV	10	60000.00	11.583012	20	PASS
			NV	20	60000.00	11.583012	20	PASS
			NV	30	80000.00	15.444015	20	PASS
			NV	40	60000.00	11.583012	20	PASS
			NV	50	60000.00	11.583012	20	PASS
		5260	NV	-30	80000.00	15.209125	20	PASS
			NV	-20	40000.00	7.604563	20	PASS
			NV	-10	60000.00	11.406844	20	PASS
			NV	0	60000.00	11.406844	20	PASS
			NV	10	40000.00	7.604563	20	PASS
			NV	20	60000.00	11.406844	20	PASS
			NV	30	60000.00	11.406844	20	PASS
			NV	40	60000.00	11.406844	20	PASS
			NV	50	60000.00	11.406844	20	PASS
		5500	NV	-30	60000.00	10.909091	20	PASS
			NV	-20	80000.00	14.545455	20	PASS
			NV	-10	60000.00	10.909091	20	PASS
			NV	0	60000.00	10.909091	20	PASS
			NV	10	60000.00	10.909091	20	PASS
			NV	20	80000.00	14.545455	20	PASS
			NV	30	80000.00	14.545455	20	PASS
			NV	40	60000.00	10.909091	20	PASS
			NV	50	80000.00	14.545455	20	PASS
		5745	NV	-30	60000.00	10.443864	20	PASS
			NV	-20	60000.00	10.443864	20	PASS
			NV	-10	60000.00	10.443864	20	PASS
			NV	0	60000.00	10.443864	20	PASS
			NV	10	60000.00	10.443864	20	PASS
			NV	20	60000.00	10.443864	20	PASS
			NV	30	60000.00	10.443864	20	PASS
			NV	40	60000.00	10.443864	20	PASS
			NV	50	80000.00	13.925152	20	PASS

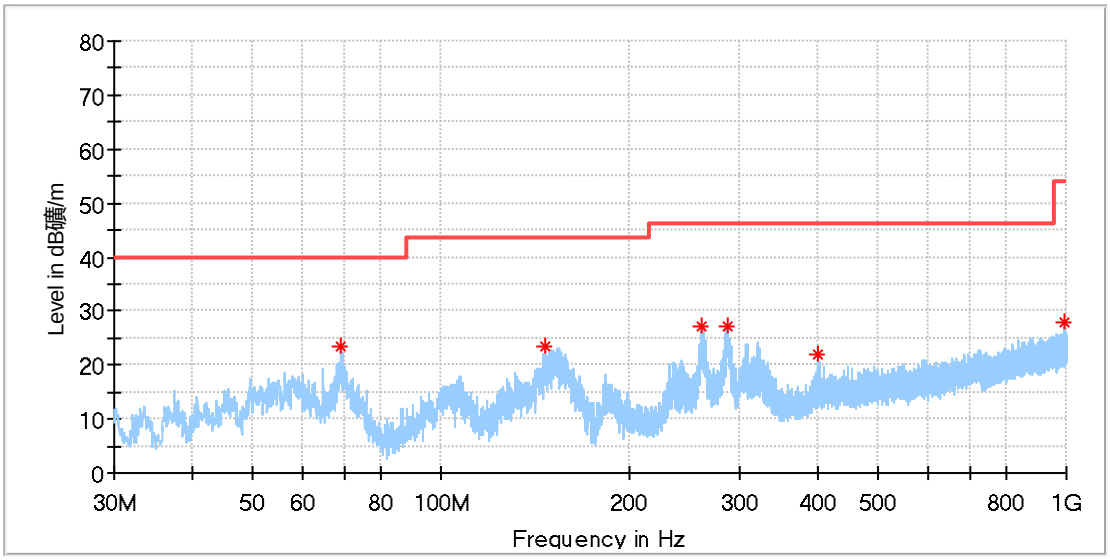
Appendix B.8: Test Results of Radiated Spurious Emissions

Note: 1. Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported. 2. This testing was carried out on different modulations, but only the worst case was presented in this report. 2) Both Full RU and Partial RU tested for 802.11 be/ax, only the worst-case reported.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

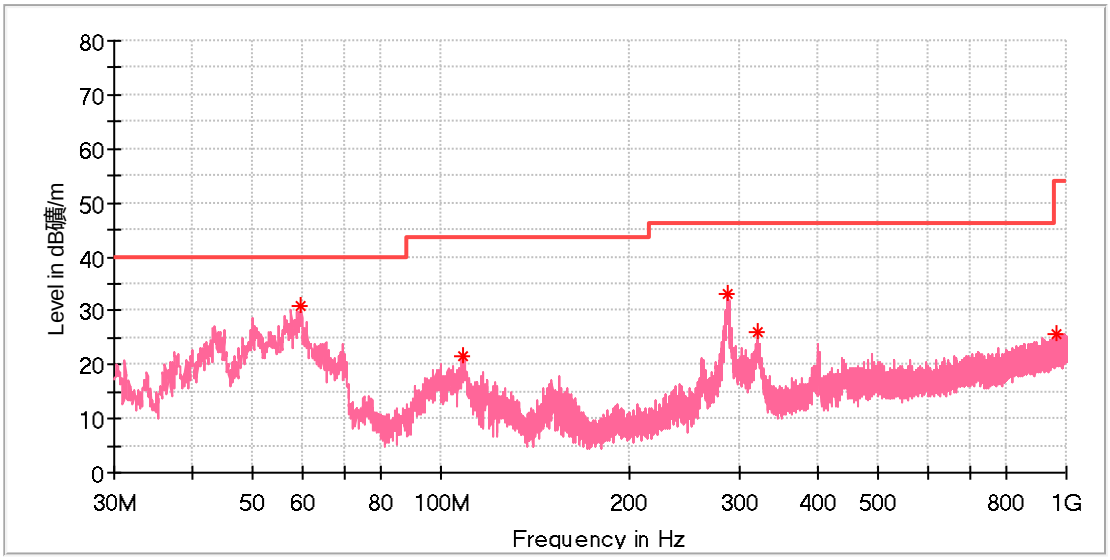
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
69.247692	23.28	40.00	16.72	100.0	H	268.0	-21.9
146.437308	23.51	43.50	19.99	100.0	H	352.0	-22.6
261.568846	27.14	46.00	18.86	100.0	H	324.0	-17.4
287.982692	27.16	46.00	18.84	100.0	H	324.0	-16.9
400.838462	21.81	46.00	24.19	100.0	H	244.0	-14.1
995.224615	27.81	54.00	26.19	100.0	H	0.0	-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:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.771539	30.87	40.00	9.13	100.0	V	320.0	-19.3
108.159615	21.65	43.50	21.85	100.0	V	5.0	-19.3
287.497692	33.19	46.00	12.81	100.0	V	354.0	-16.9
321.522308	26.14	46.00	19.86	100.0	V	246.0	-16.0
963.102692	25.84	54.00	28.16	100.0	V	142.0	-4.7

Final_Result

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

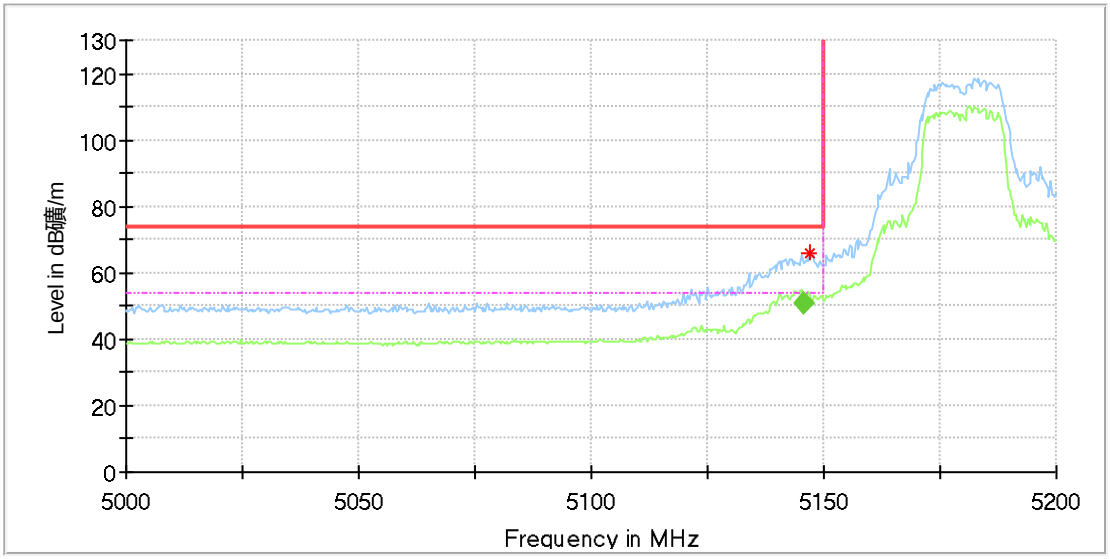
Above 1GHz

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

U-NII-1 Band

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch36
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

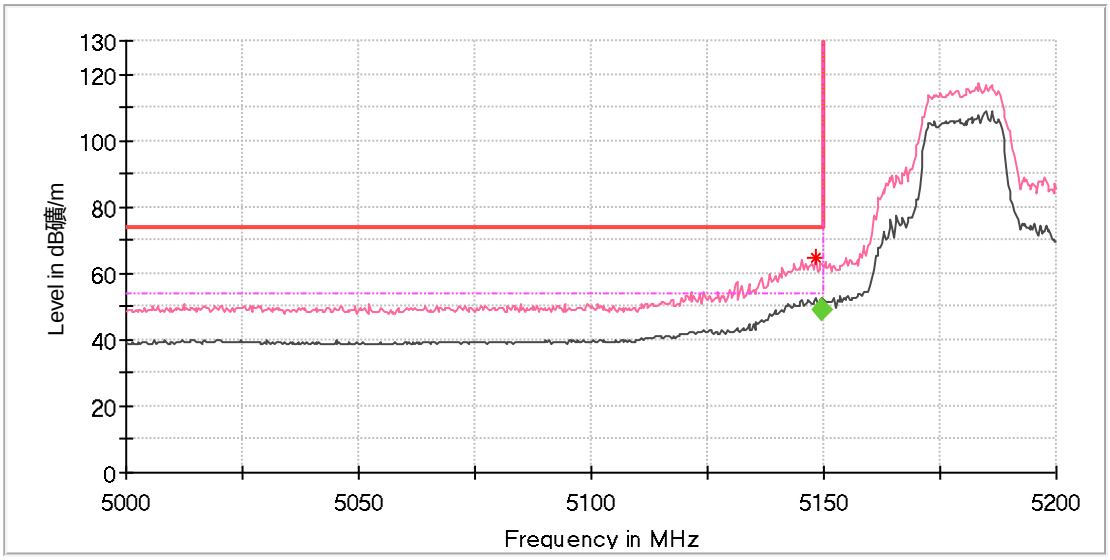
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.005556	65.65	---	74.00	8.35	150.0	H	169.0	12.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5145.619445	50.81	54.00	3.19	145.0	H	177.0	12.4

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch36
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

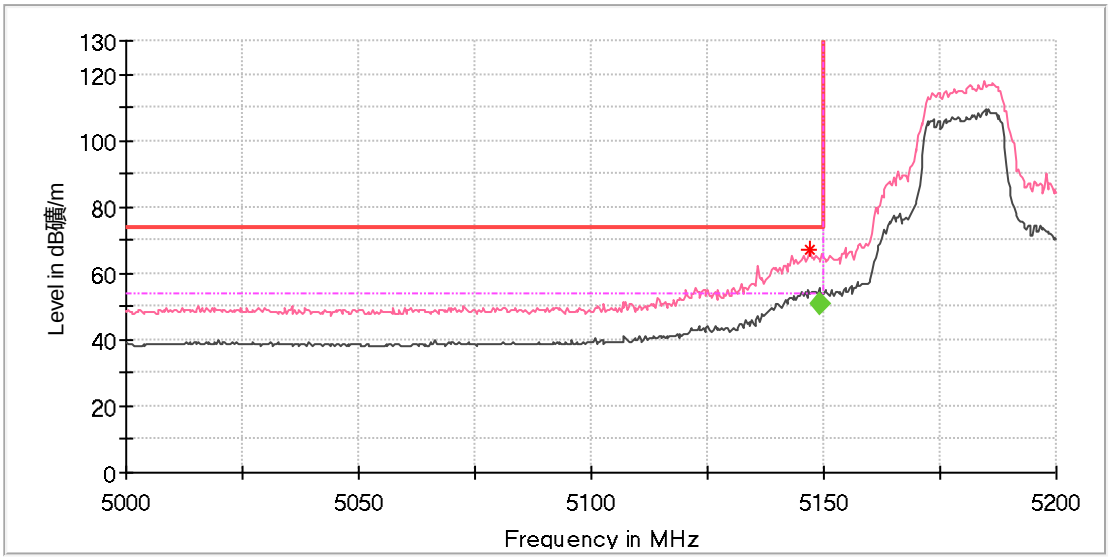
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.316667	64.86	---	74.00	9.14	150.0	V	64.0	12.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5149.627778	49.26	54.00	4.74	149.0	V	59.0	12.4

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch36
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

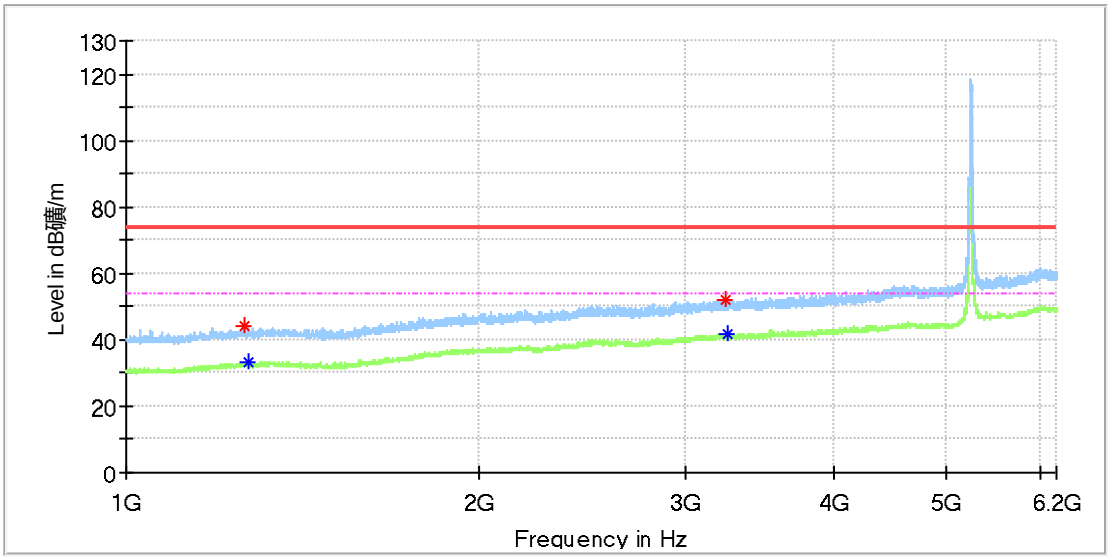
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.005556	67.33	---	74.00	6.67	150.0	V	44.0	12.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.972222	50.88	54.00	3.12	145.0	V	23.0	12.4

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

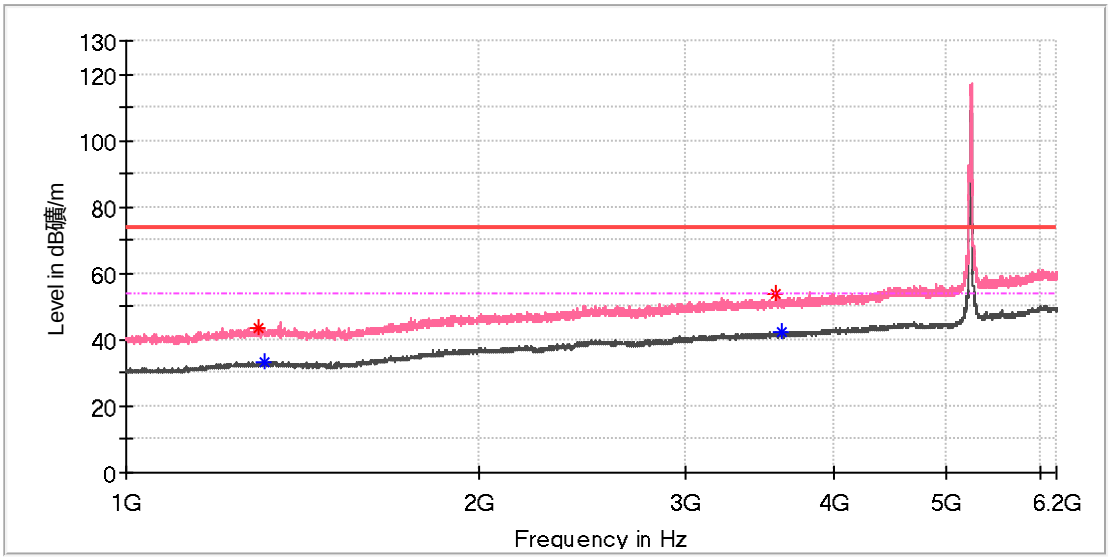
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1260.500000	44.25	---	74.00	29.75	150.0	H	104.0	1.9
1272.500000	---	33.00	54.00	21.00	150.0	H	214.0	1.9
3236.500000	51.92	---	74.00	22.08	150.0	H	52.0	8.5
3253.000000	---	41.54	54.00	12.46	150.0	H	33.0	8.5

Final_Result

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

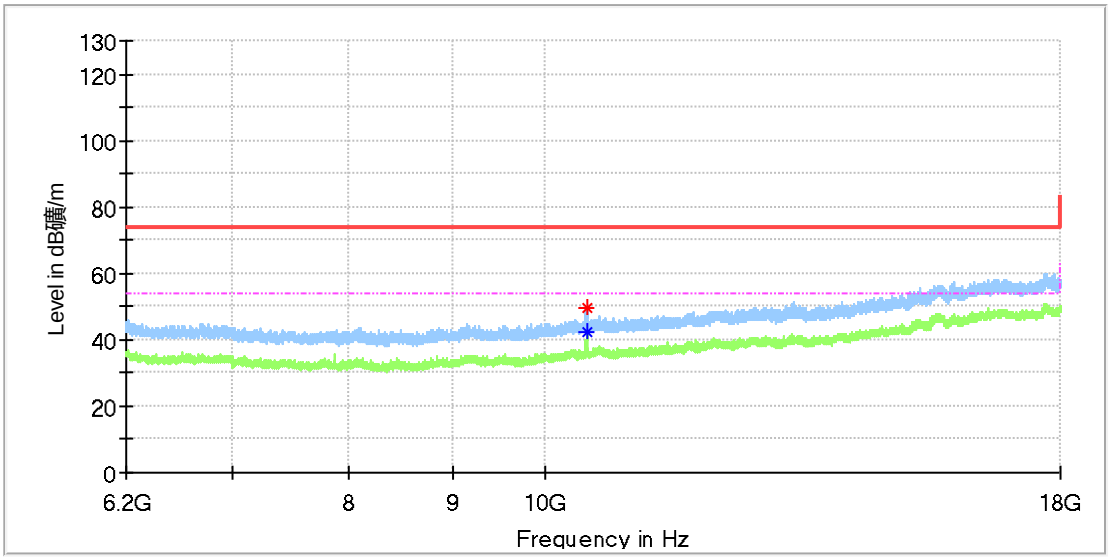
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1297.000000	43.78	---	74.00	30.22	150.0	V	96.0	1.9
1312.500000	---	33.35	54.00	20.65	150.0	V	69.0	2.0
3572.000000	53.81	---	74.00	20.19	150.0	V	13.0	9.2
3614.500000	---	42.13	54.00	11.87	150.0	V	132.0	9.4

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 5G_11a_Ch48
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

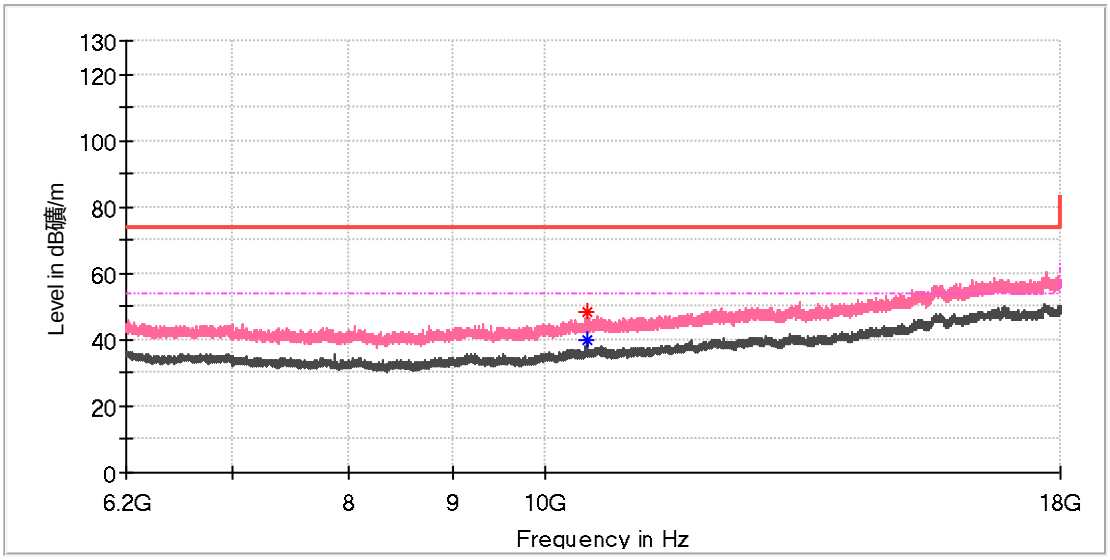
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10482.908333	---	42.29	54.00	11.71	150.0	H	321.0	12.0
10484.875000	49.42	---	74.00	24.58	150.0	H	40.0	12.0

Final_Result

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

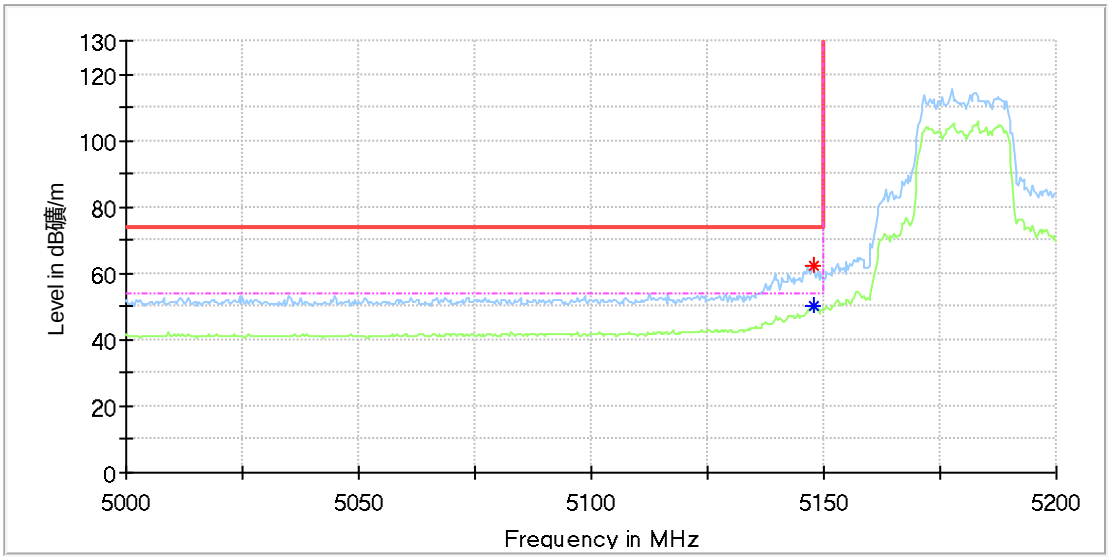
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10481.925000	---	40.12	54.00	13.88	150.0	V	45.0	12.0
10483.891667	48.25	---	74.00	25.75	150.0	V	45.0	12.0

Final_Result

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax20_Ch36
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

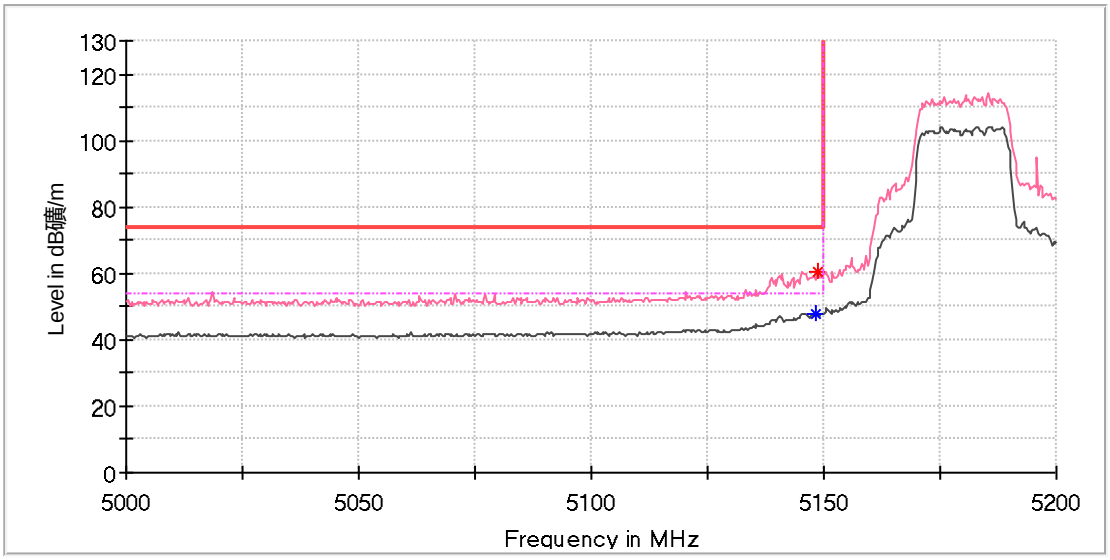
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.661111	62.48	---	74.00	11.52	150.0	H	270.0	12.4
5147.988889	---	50.21	54.00	3.79	150.0	H	107.0	12.4

Final_Result

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax20_Ch36
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

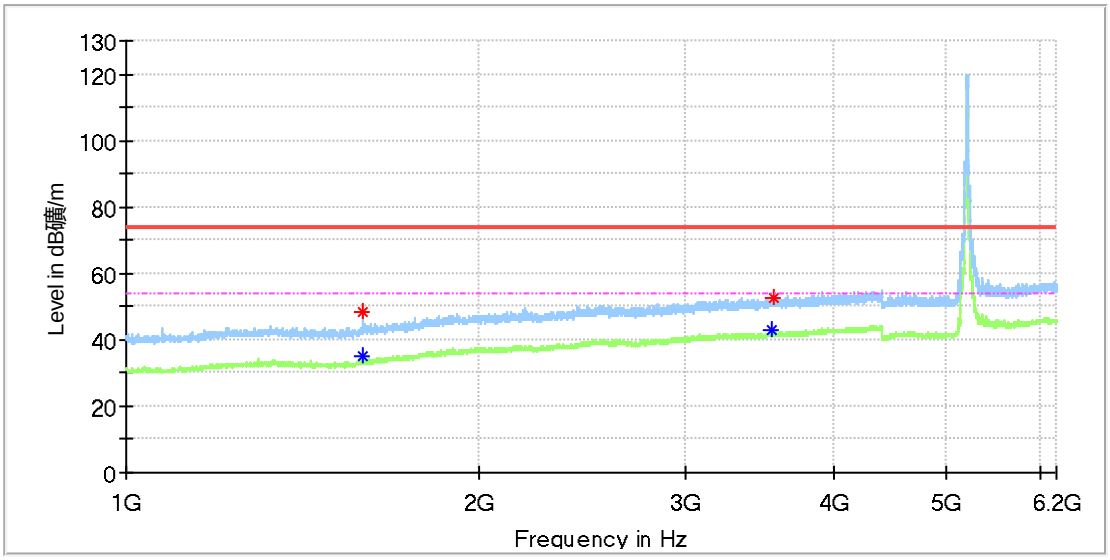
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.316667	---	47.94	54.00	6.06	150.0	V	330.0	12.4
5148.644445	60.30	---	74.00	13.70	150.0	V	330.0	12.4

Final_Result

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax20_Ch40
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

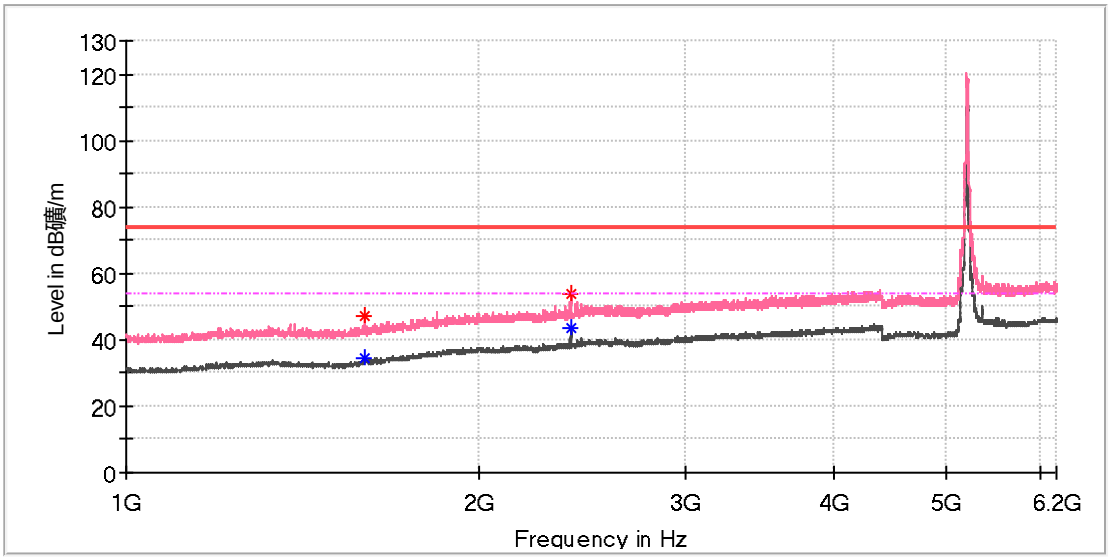
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1593.000000	48.30	---	74.00	25.70	150.0	H	326.0	2.0
1593.000000	---	35.14	54.00	18.86	150.0	H	326.0	2.0
3553.500000	---	42.79	54.00	11.21	150.0	H	106.0	9.2
3563.500000	52.61	---	74.00	21.39	150.0	H	45.0	9.2

Final_Result

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax20_Ch40
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

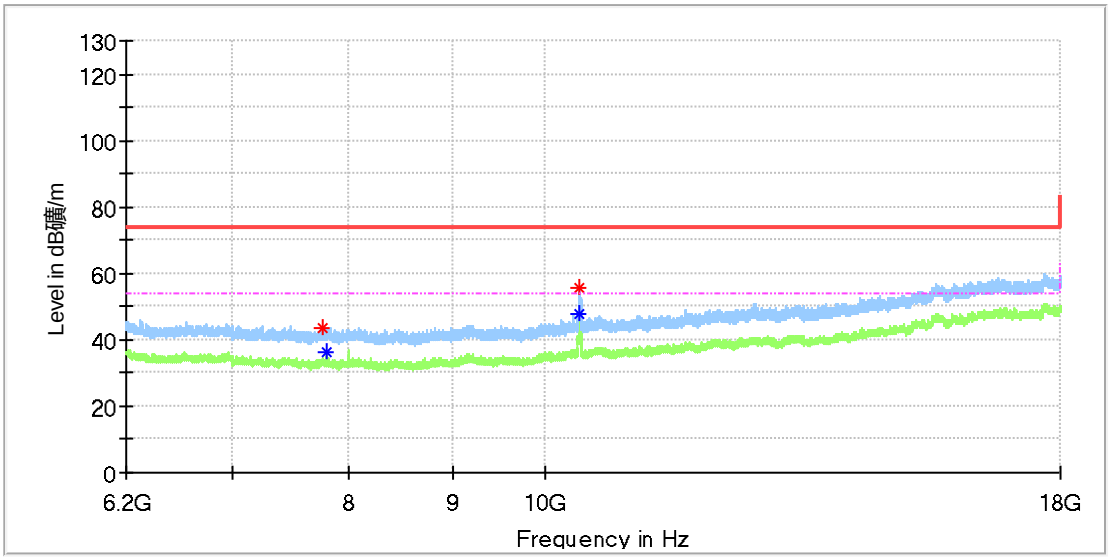
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1594.000000	---	34.37	54.00	19.63	150.0	V	114.0	2.0
1595.000000	46.88	---	74.00	27.12	150.0	V	16.0	2.0
2394.500000	53.75	---	74.00	20.25	150.0	V	267.0	7.0
2394.500000	---	43.31	54.00	10.69	150.0	V	267.0	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 5G_11ax20_Ch40
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

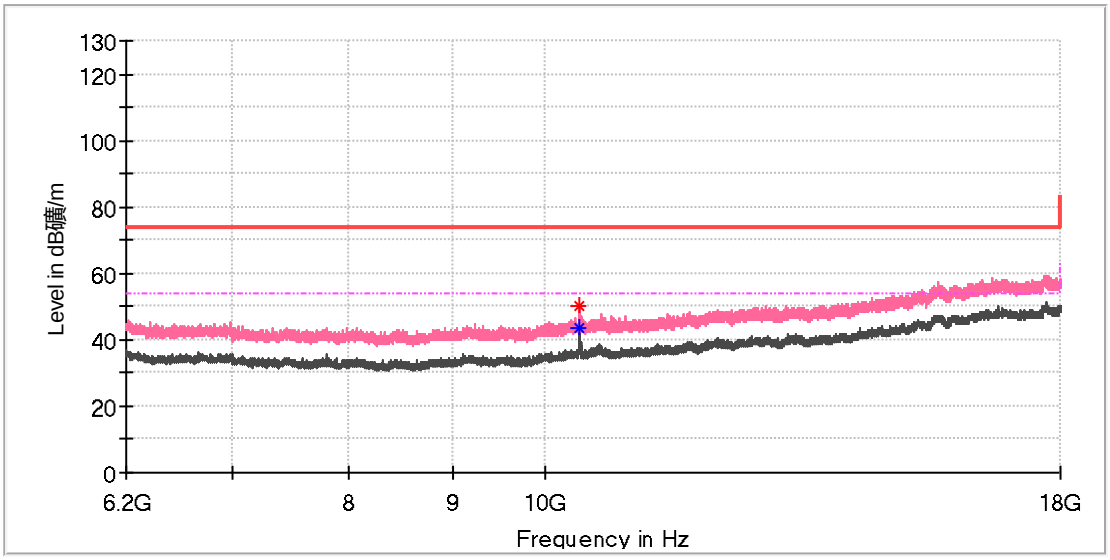
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7764.975000	43.38	---	74.00	30.62	150.0	H	215.0	8.8
7799.883333	---	36.42	54.00	17.58	150.0	H	242.0	8.9
10403.750000	55.62	---	74.00	18.38	150.0	H	334.0	11.9
10404.241667	---	47.60	54.00	6.40	150.0	H	298.0	11.9

Final_Result

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax20_Ch40
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10395.391667	---	43.63	54.00	10.37	150.0	V	337.0	11.9
10402.766667	50.47	---	74.00	23.53	150.0	V	337.0	11.9

Final_Result

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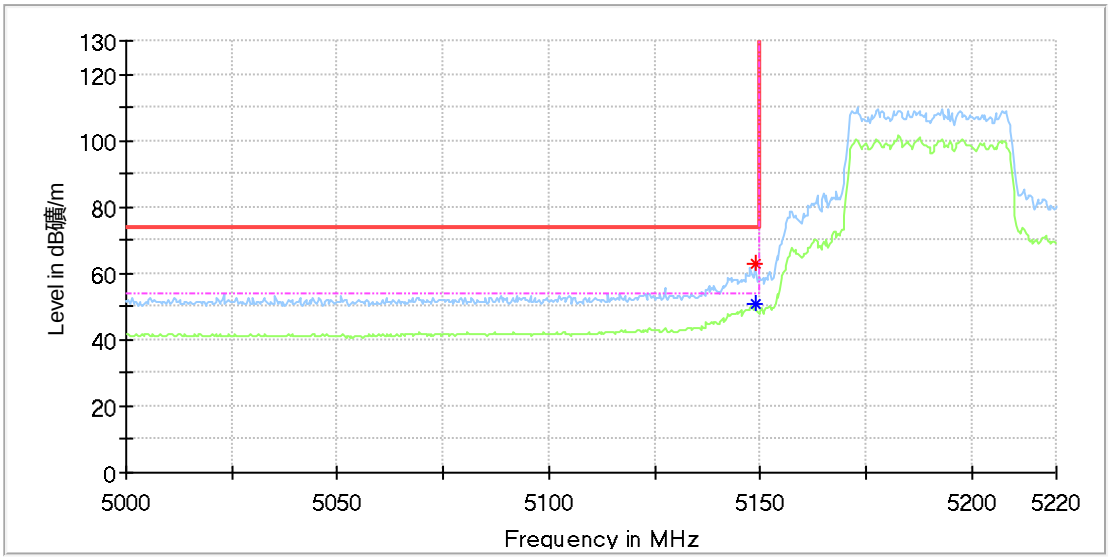
EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax40_Ch38
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.644445	62.75	---	74.00	11.25	150.0	H	101.0	12.4
5148.644445	---	50.83	54.00	3.17	150.0	H	101.0	12.4

Final_Result

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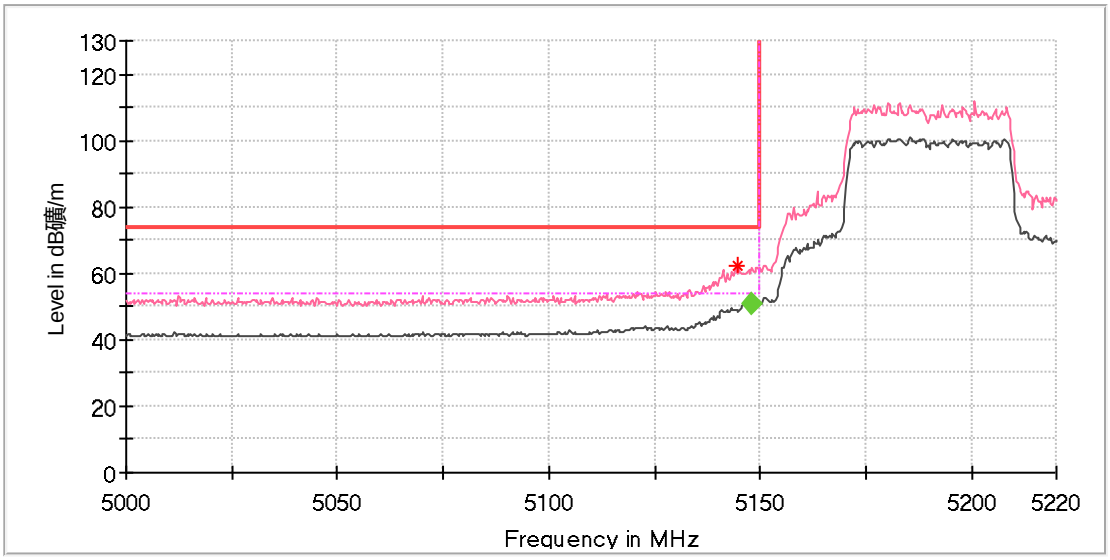
EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax40_Ch38
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

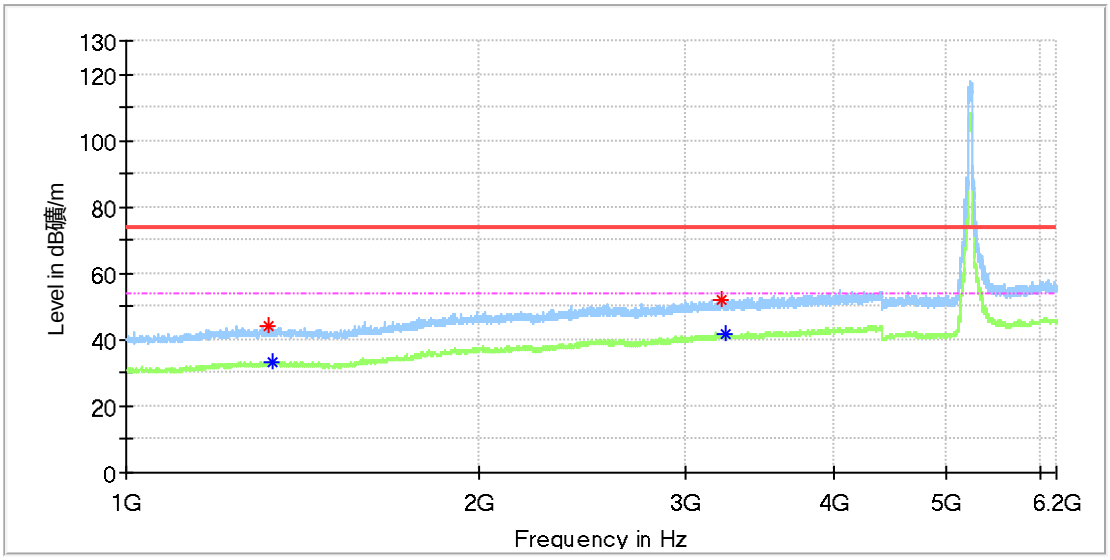
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5144.711111	62.02	---	74.00	11.98	150.0	V	43.0	12.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.988889	50.63	54.00	3.37	150.0	V	60.0	12.4

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax40_Ch46
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1322.500000	44.01	---	74.00	29.99	150.0	H	214.0	2.0
1331.000000	---	33.46	54.00	20.54	150.0	H	335.0	2.1
3218.500000	52.27	---	74.00	21.73	150.0	H	250.0	8.6
3240.500000	---	41.88	54.00	12.12	150.0	H	113.0	8.5

Final_Result

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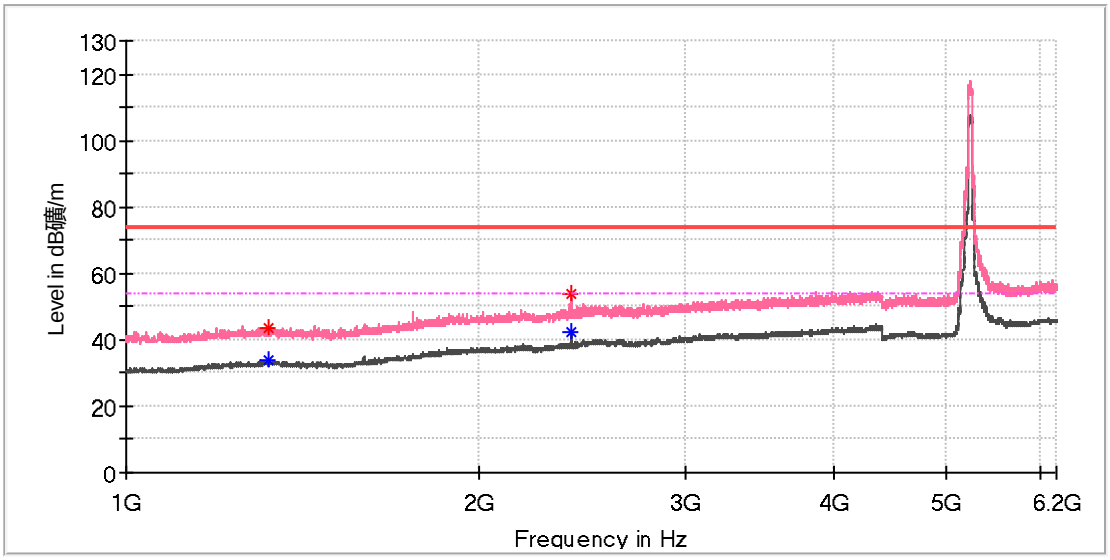
EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax40_Ch46
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

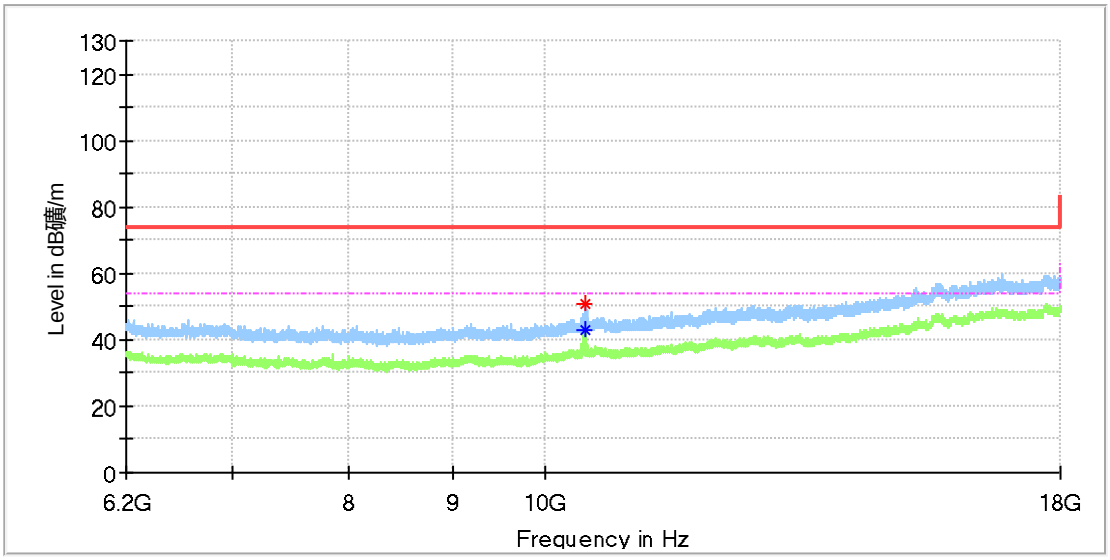
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1319.500000	---	33.67	54.00	20.33	150.0	V	241.0	2.0
1322.500000	43.44	---	74.00	30.56	150.0	V	351.0	2.0
2394.500000	53.79	---	74.00	20.21	150.0	V	260.0	7.0
2394.500000	---	42.32	54.00	11.68	150.0	V	260.0	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 5G_11ax40_Ch46
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

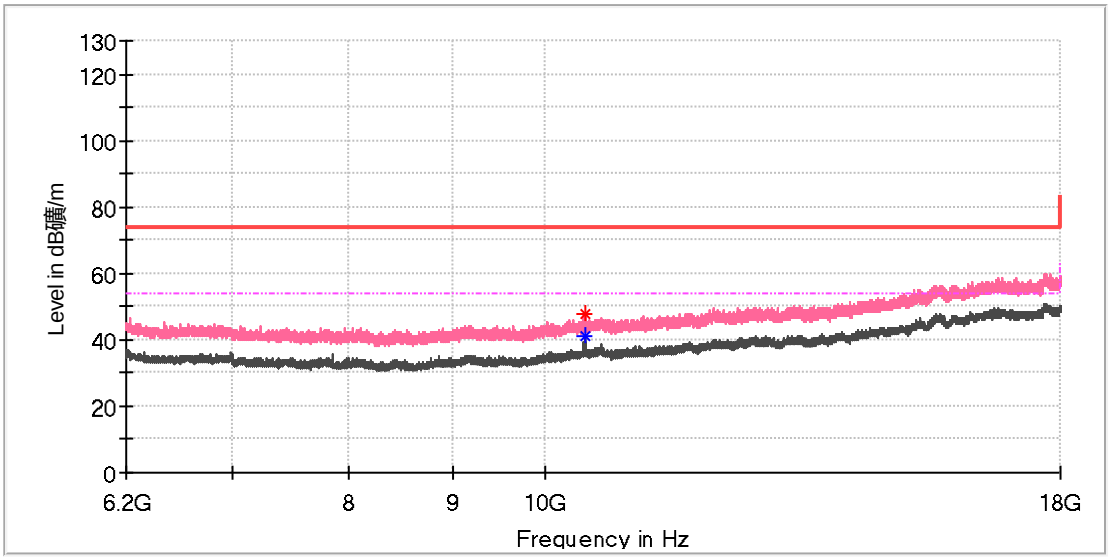
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10463.733333	50.59	---	74.00	23.41	150.0	H	296.0	12.0
10464.225000	---	42.76	54.00	11.24	150.0	H	296.0	12.0

Final_Result

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax40_Ch46
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

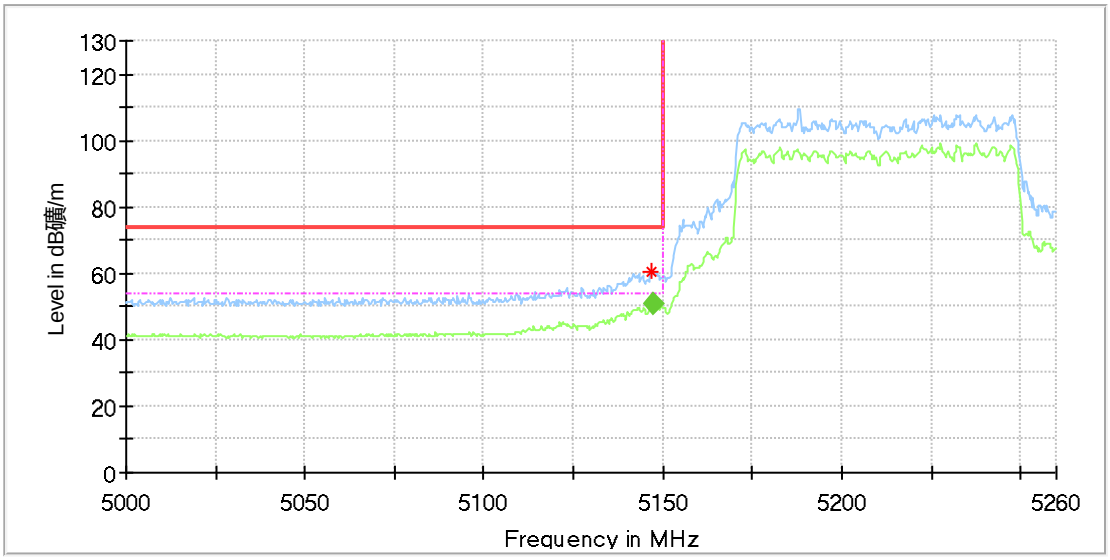
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10456.358333	47.53	---	74.00	26.47	150.0	V	331.0	12.0
10461.275000	---	40.83	54.00	13.17	150.0	V	331.0	12.0

Final_Result

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11BE80_Ch42
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

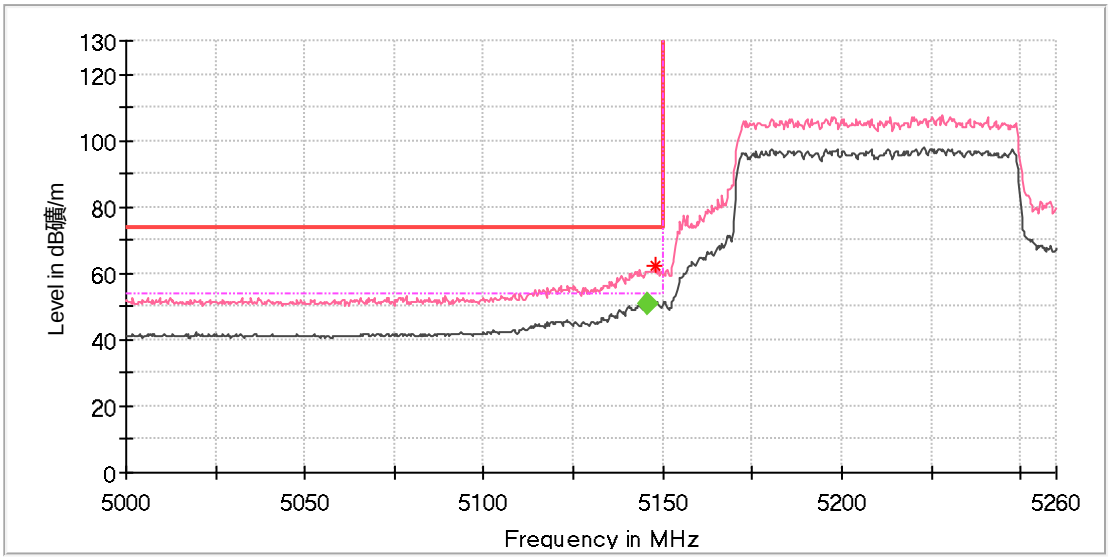
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.005556	60.60	---	74.00	13.40	150.0	H	276.0	12.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.358333	50.85	54.00	3.15	145.0	H	109.0	12.4

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11BE80_Ch42
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

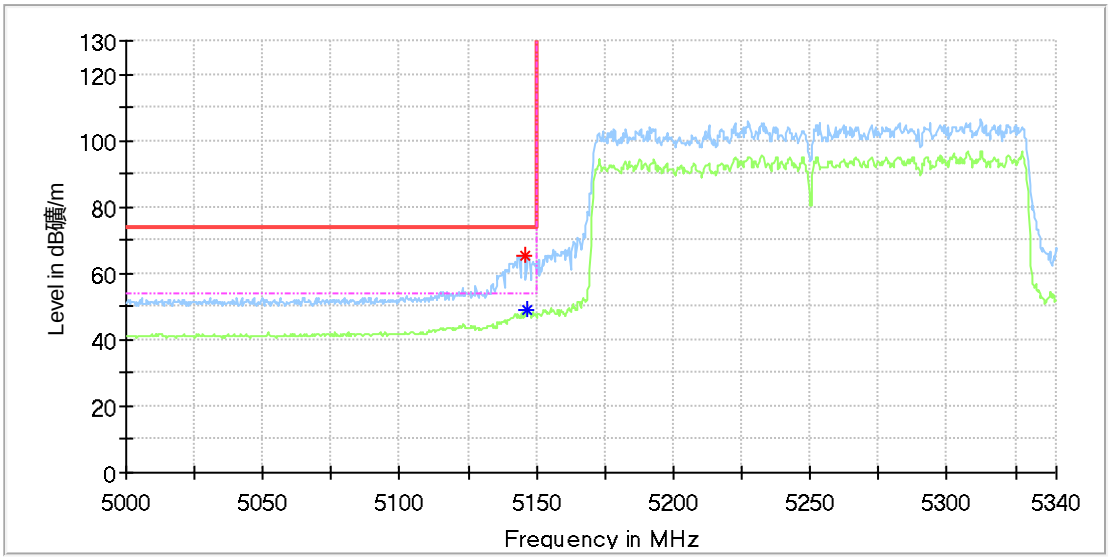
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.661111	62.33	---	74.00	11.67	150.0	V	20.0	12.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5145.544445	50.61	54.00	3.39	147.0	V	12.0	12.4

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11BE160_Ch50
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

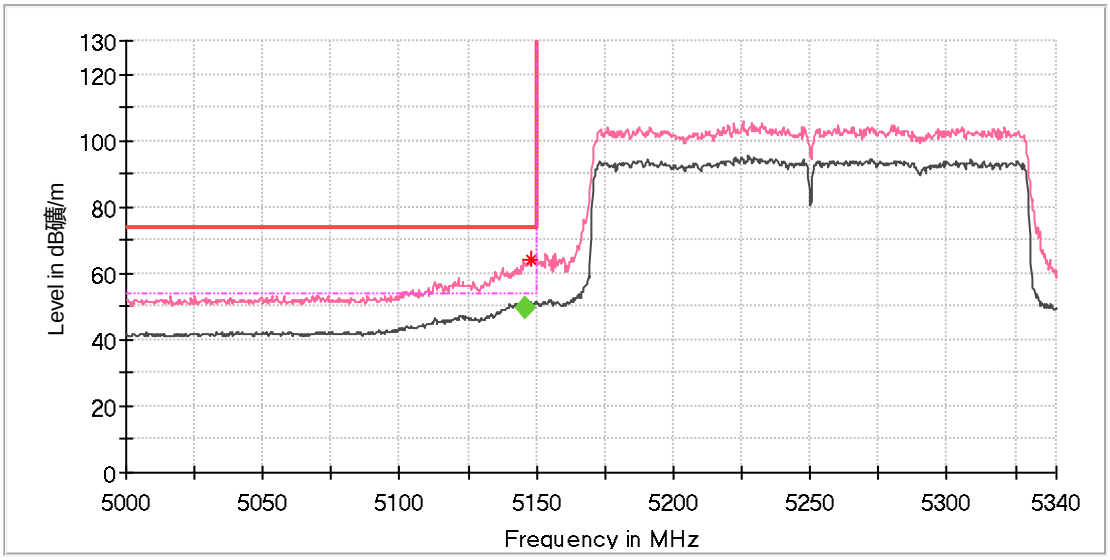
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5145.694445	65.50	---	74.00	8.50	150.0	H	65.0	12.4
5146.677778	---	48.88	54.00	5.12	150.0	H	271.0	12.4

Final_Result

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

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11BE160_Ch50
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

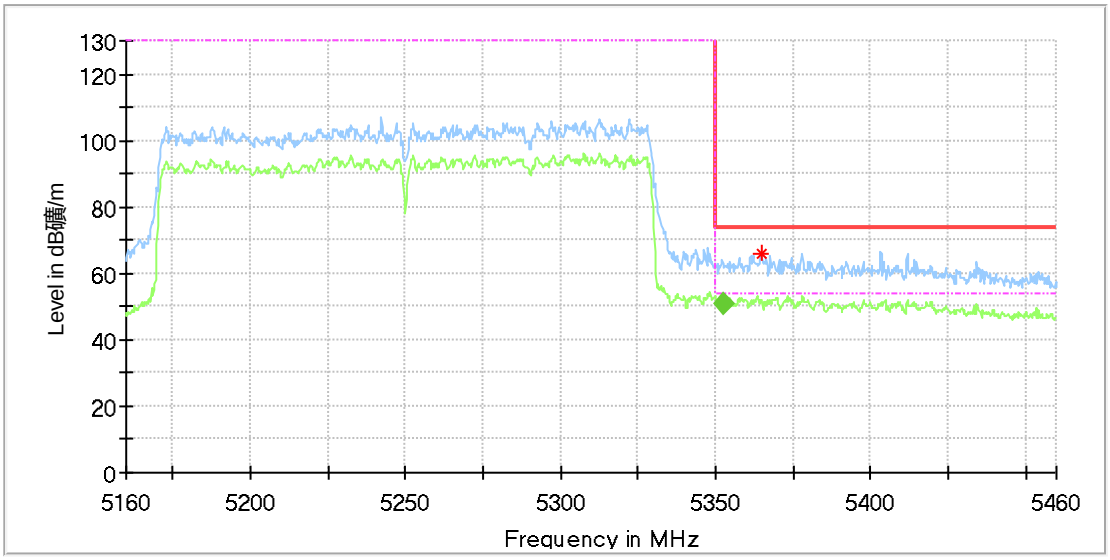
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.316667	63.90	---	74.00	10.10	150.0	V	355.0	12.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5145.694445	49.75	54.00	4.25	145.0	V	50.0	12.4

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11BE160_Ch50
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

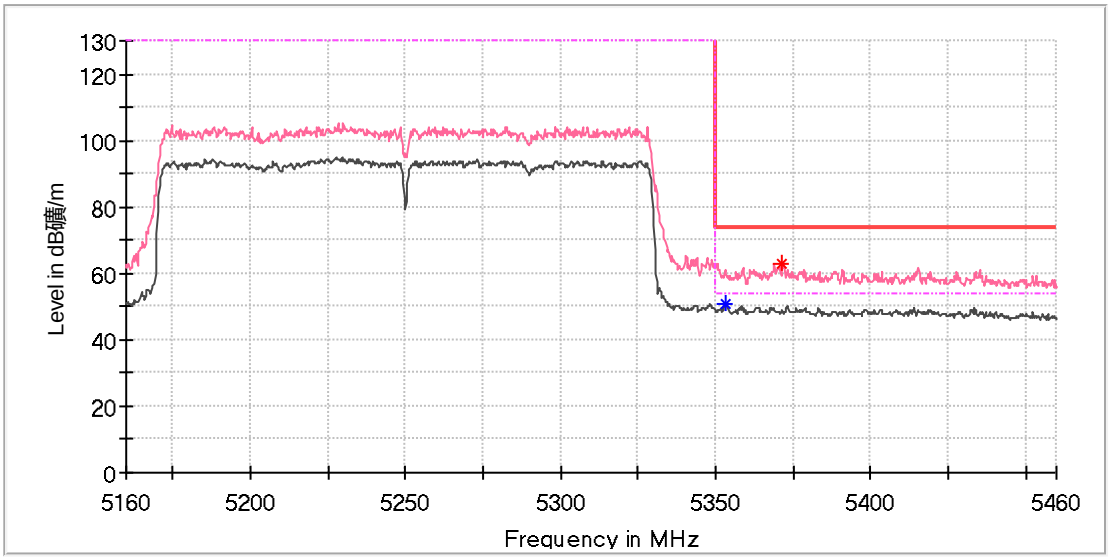
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5364.894445	66.04	---	74.00	7.96	150.0	H	115.0	13.3

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5352.527778	50.84	54.00	3.16	145.0	H	103.0	13.3

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11BE160_Ch50
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5353.411111	---	50.56	54.00	3.44	150.0	V	345.0	13.3
5371.666667	63.13	---	74.00	10.87	150.0	V	359.0	13.4

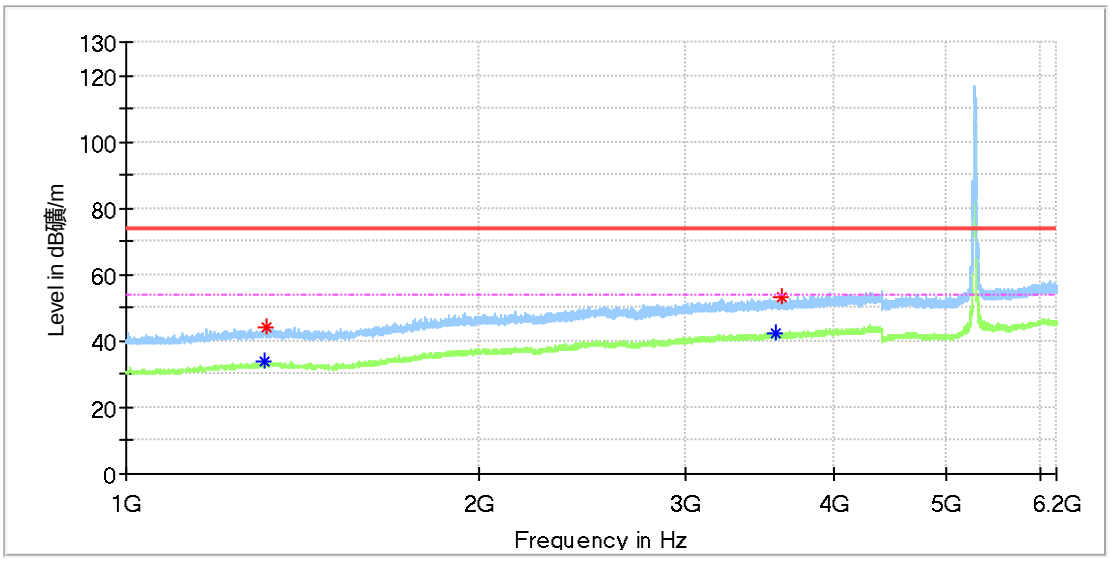
Final_Result

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

U-NII-2A Band

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch56
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1312.500000	---	33.77	54.00	20.23	150.0	H	34.0	2.0
1319.000000	44.26	---	74.00	29.74	150.0	H	34.0	2.0
3571.000000	---	42.26	54.00	11.74	150.0	H	130.0	9.2
3622.500000	53.03	---	74.00	20.97	150.0	H	4.0	9.4

Final_Result

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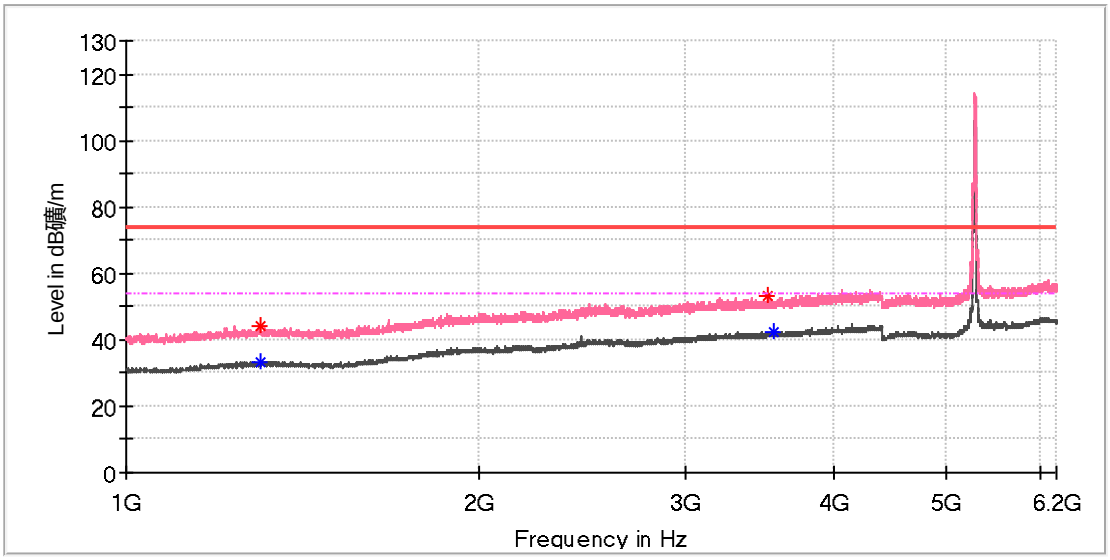
EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch56
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1299.000000	44.27	---	74.00	29.73	150.0	V	215.0	1.9
1299.000000	---	33.14	54.00	20.86	150.0	V	215.0	1.9
3523.000000	53.06	---	74.00	20.94	150.0	V	0.0	9.1
3558.500000	---	42.55	54.00	11.45	150.0	V	191.0	9.2

Final_Result

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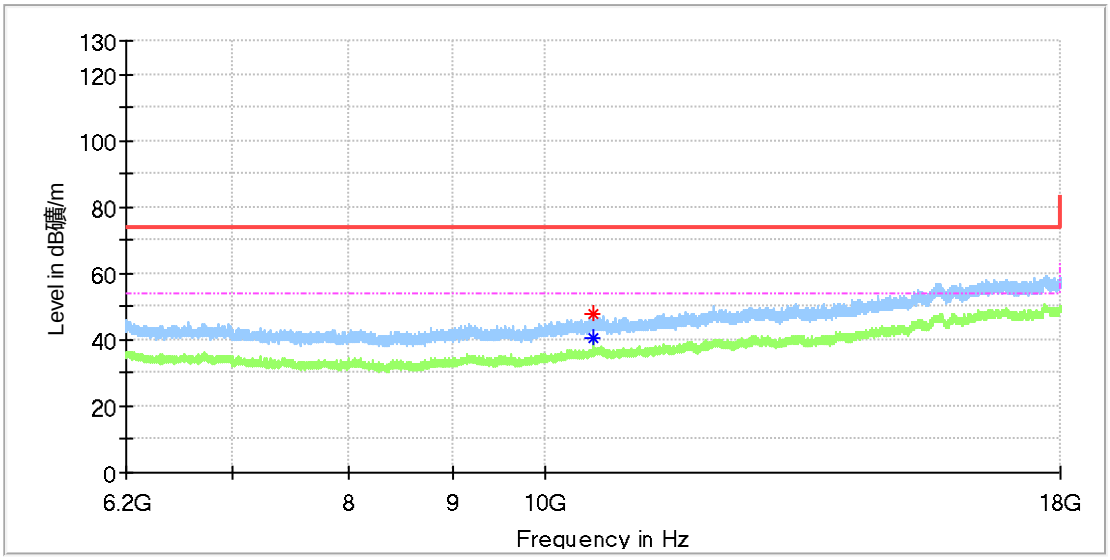
EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch56
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10561.575000	---	40.75	54.00	13.25	150.0	H	314.0	12.0
10563.541667	47.60	---	74.00	26.40	150.0	H	230.0	12.0

Final_Result

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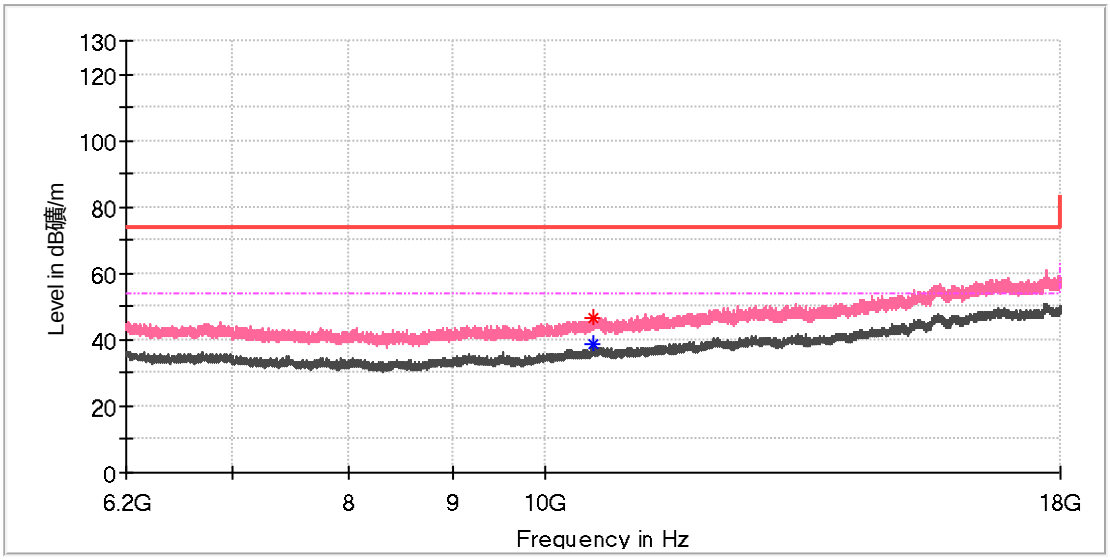
EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch56
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10562.558333	---	38.81	54.00	15.19	150.0	V	23.0	12.0
10575.833333	46.47	---	74.00	27.53	150.0	V	216.0	12.0

Final_Result

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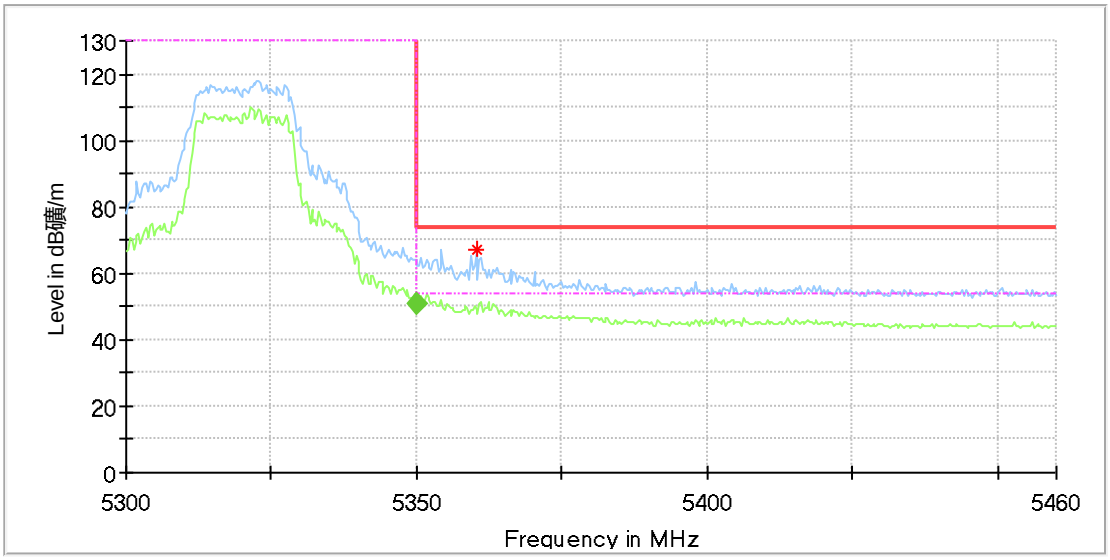
EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch64
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

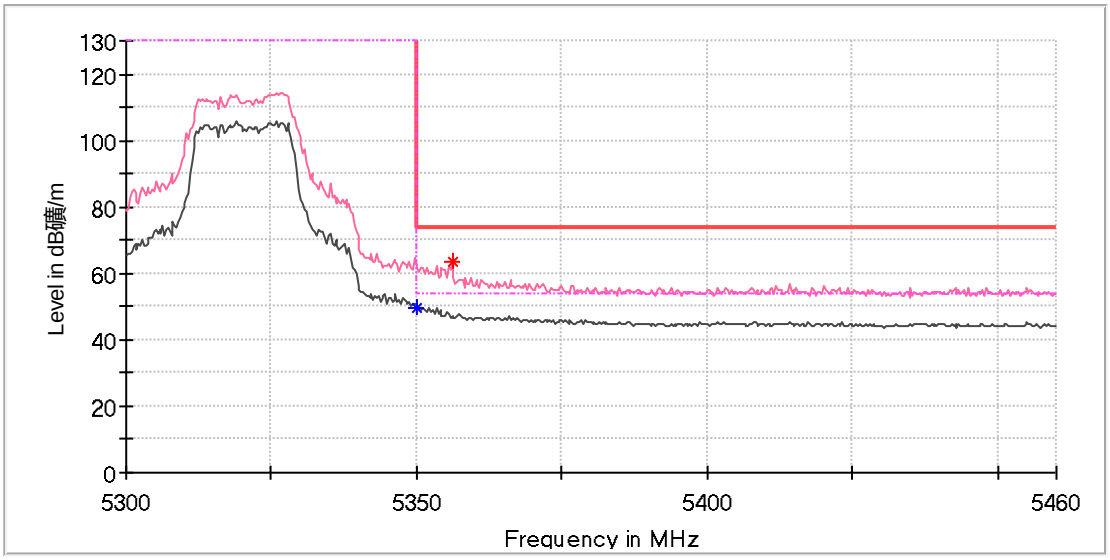
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5360.183333	66.94	---	74.00	7.06	150.0	H	200.0	13.3

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.172222	50.91	54.00	3.09	149.0	H	154.0	13.3

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11a_Ch64
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.172222	---	49.85	54.00	4.15	150.0	V	56.0	13.3
5356.061111	63.20	---	74.00	10.80	150.0	V	136.0	13.3

Final_Result

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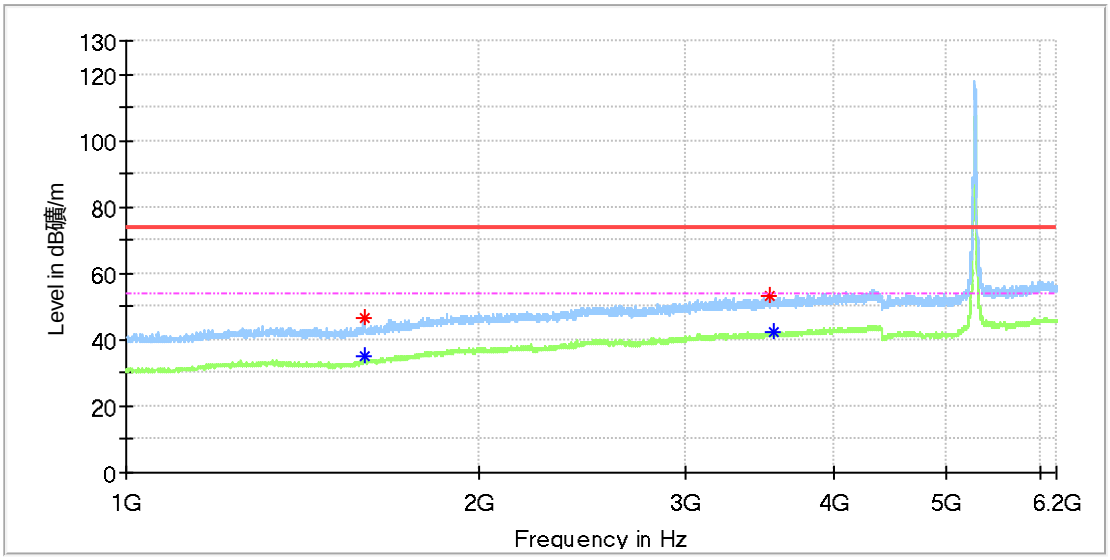
EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax20_Ch56
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1595.000000	46.60	---	74.00	27.40	150.0	H	272.0	2.0
1595.000000	---	35.08	54.00	18.92	150.0	H	272.0	2.0
3535.000000	53.45	---	74.00	20.55	150.0	H	136.0	9.1
3563.000000	---	42.53	54.00	11.47	150.0	H	79.0	9.2

Final_Result

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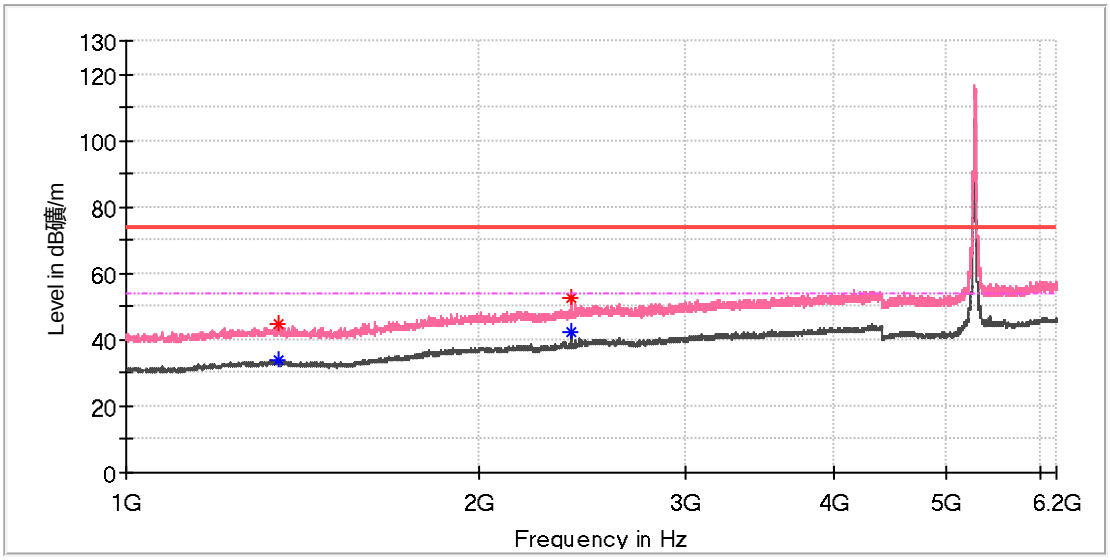
EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax20_Ch56
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1346.000000	44.74	---	74.00	29.26	150.0	V	20.0	2.1
1346.000000	---	33.63	54.00	20.37	150.0	V	20.0	2.1
2391.500000	---	42.48	54.00	11.52	150.0	V	274.0	7.0
2392.500000	52.61	---	74.00	21.39	150.0	V	274.0	7.0

Final_Result

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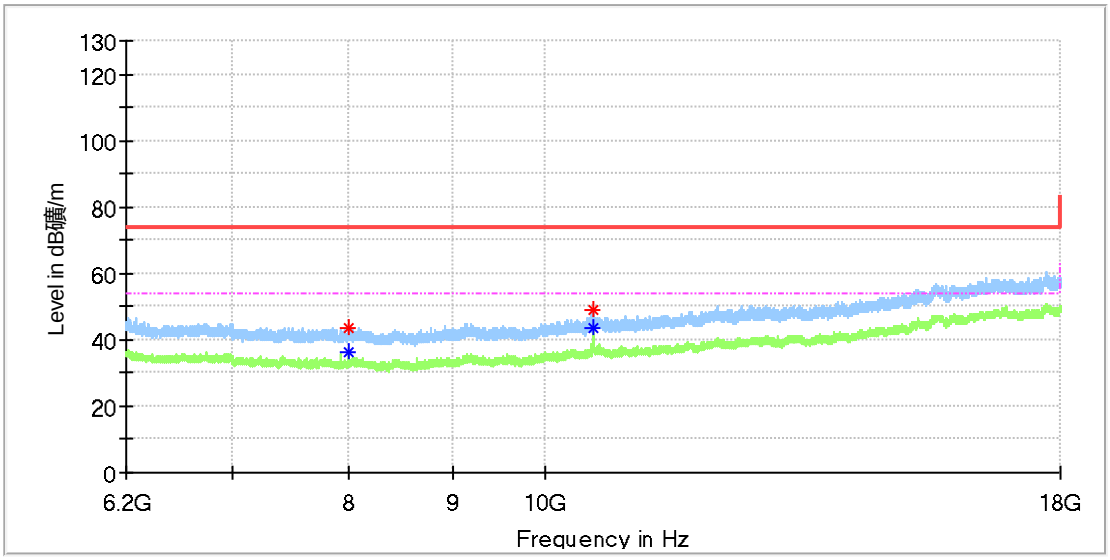
EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax20_Ch56
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7999.008333	---	36.56	54.00	17.44	150.0	H	230.0	8.8
7999.500000	43.34	---	74.00	30.66	150.0	H	240.0	8.8
10563.050000	48.93	---	74.00	25.07	150.0	H	285.0	12.0
10563.050000	---	43.53	54.00	10.47	150.0	H	285.0	12.0

Final_Result

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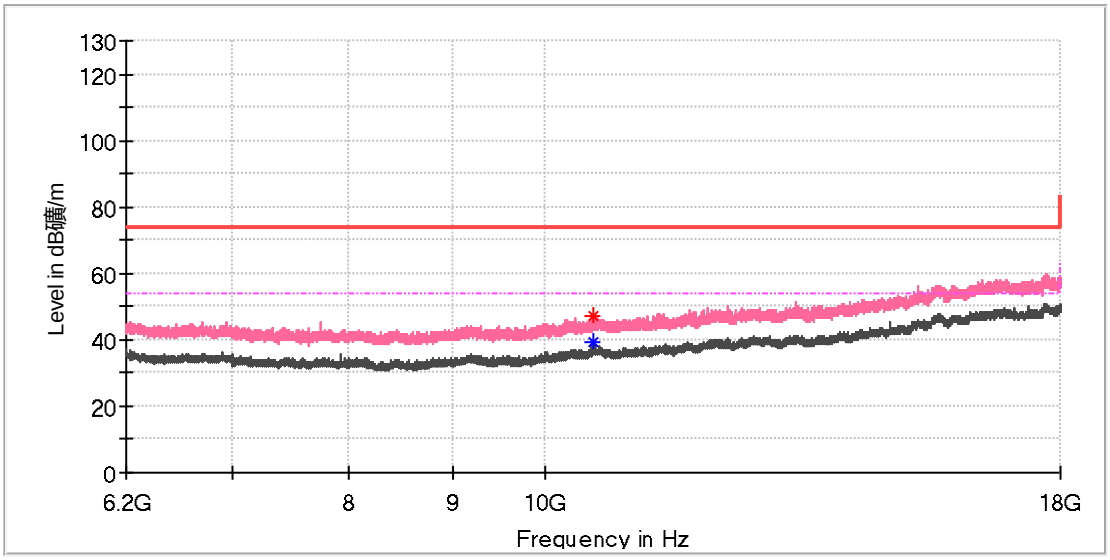
EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax20_Ch56
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10561.575000	47.42	---	74.00	26.58	150.0	V	327.0	12.0
10562.558333	---	39.10	54.00	14.90	150.0	V	327.0	12.0

Final_Result

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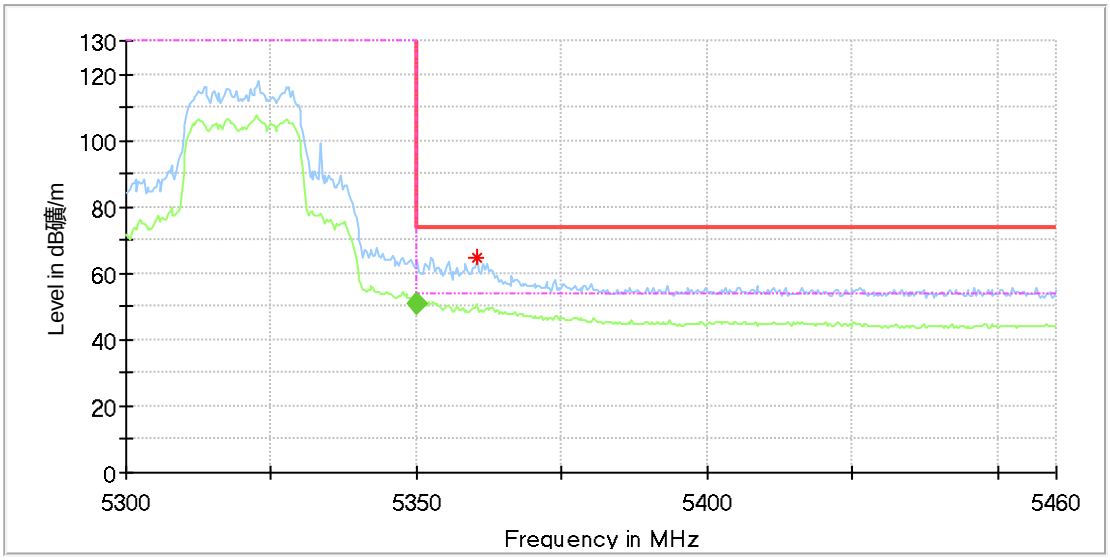
EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax20_Ch64
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

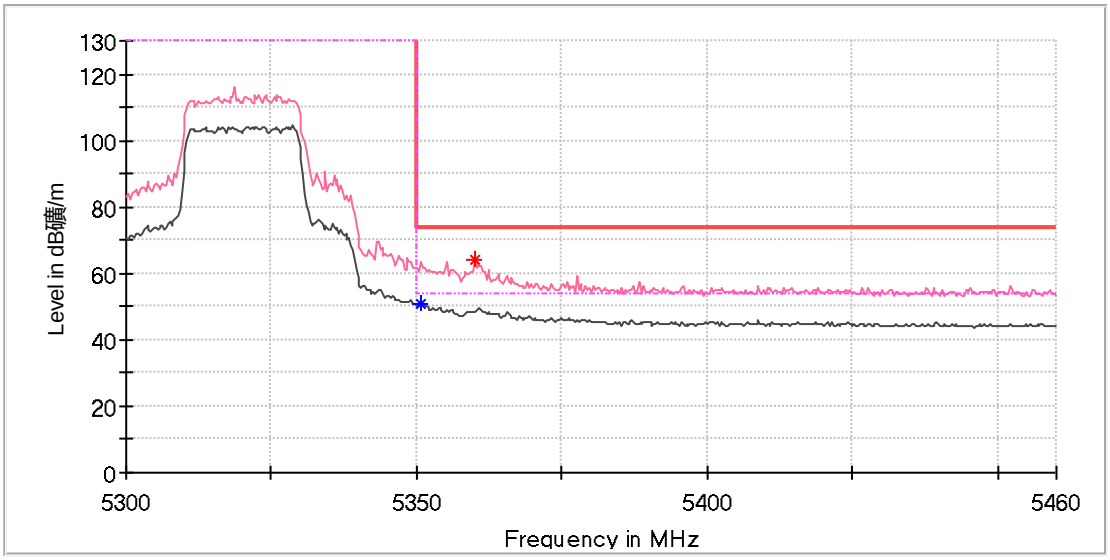
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5360.477778	64.88	---	74.00	9.12	150.0	H	117.0	13.3

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.172222	50.89	54.00	3.11	150.0	H	117.0	13.2

EUT Information

EUT Name:	WiFi 7 Router
Model:	AR2340G
Test Mode:	WIFI 5G_11ax20_Ch64
Order No/Sample No:	168478033/A003691667-001
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.761111	---	50.97	54.00	3.03	150.0	V	0.0	13.3
5359.888889	63.90	---	74.00	10.10	150.0	V	0.0	13.3

Final_Result

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