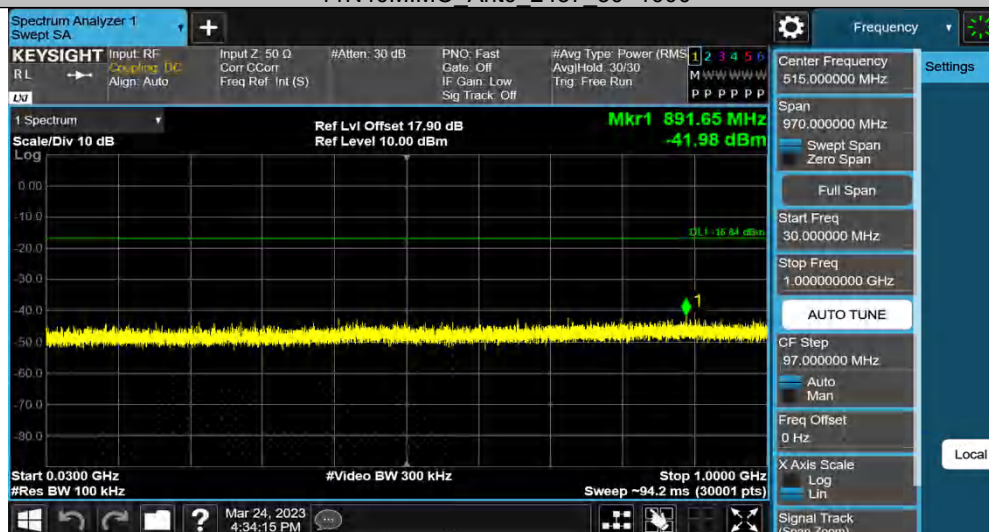


11N40MIMO_Ant0_2437_30~1000



11N40MIMO_Ant0_2437_1000~26500



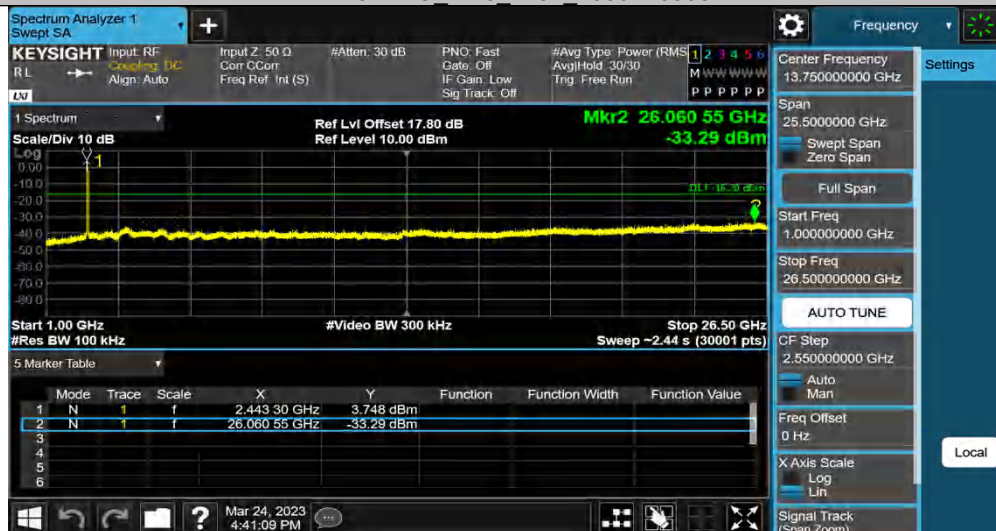
11N40MIMO_Ant0_2452_0~Reference



11N40MIMO_Ant0_2452_30~1000



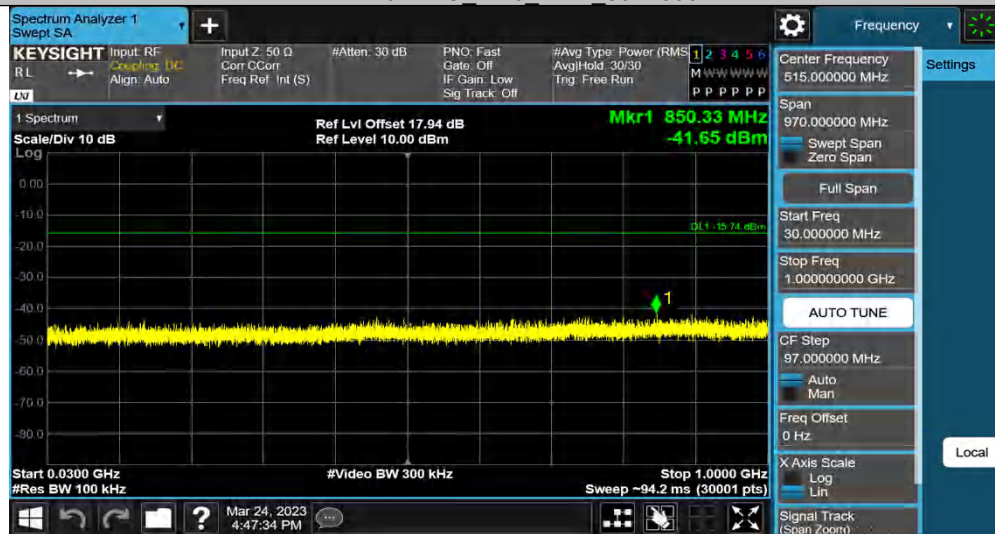
11N40MIMO_Ant0_2452_1000~26500



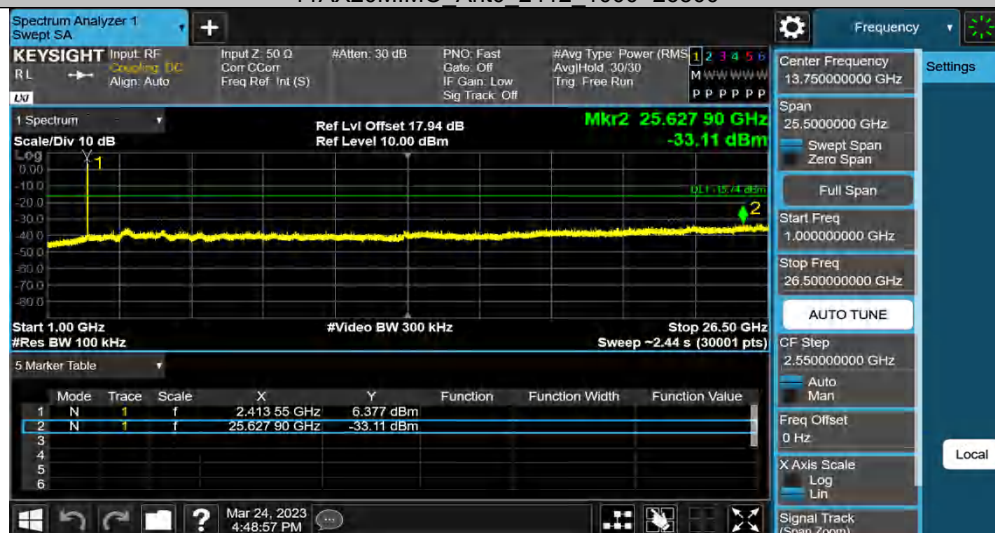
11AX20MIMO_Ant0_2412_0~Reference



11AX20MIMO_Ant0_2412_30~1000

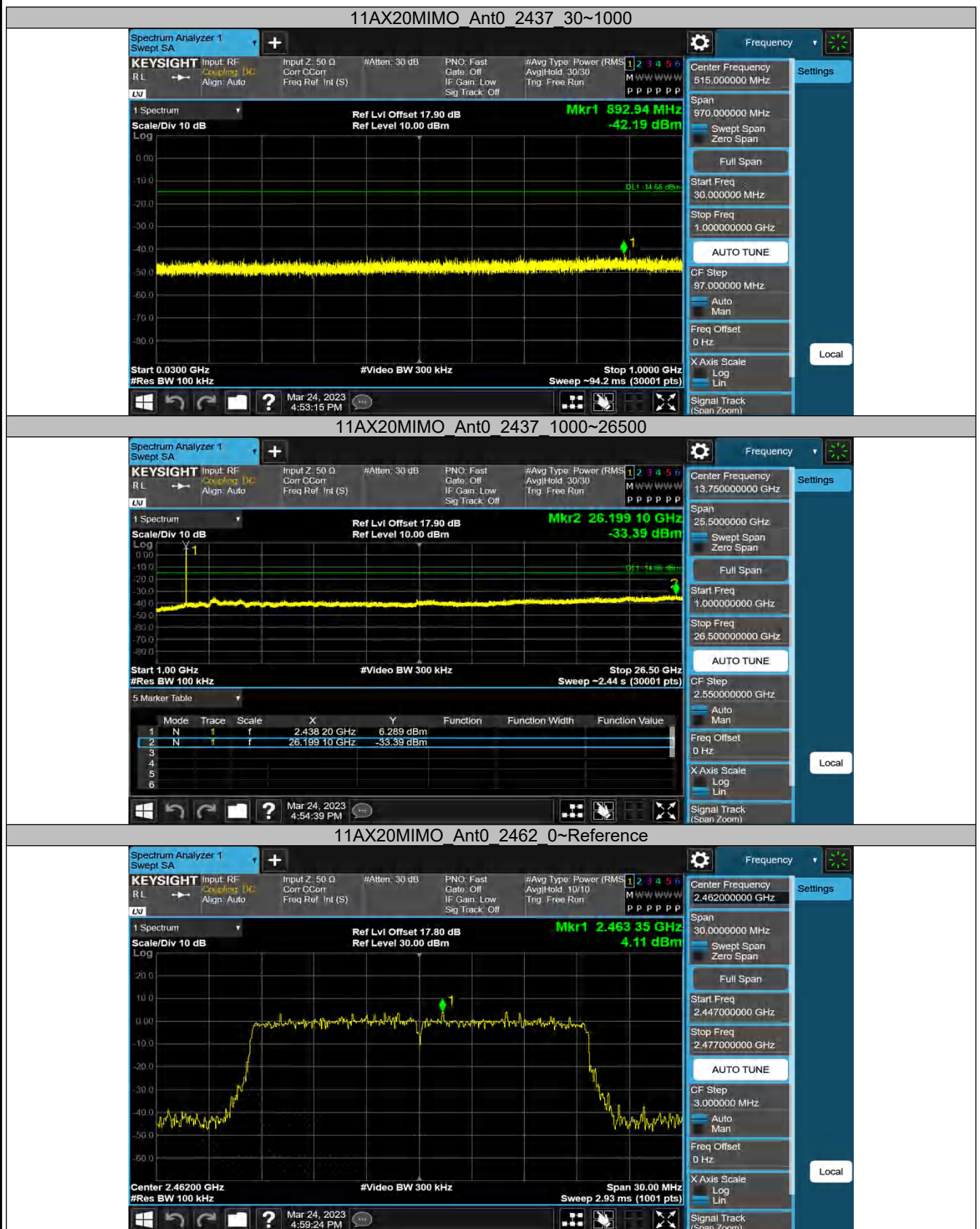


11AX20MIMO_Ant0_2412_1000~26500



11AX20MIMO_Ant0_2437_0~Reference

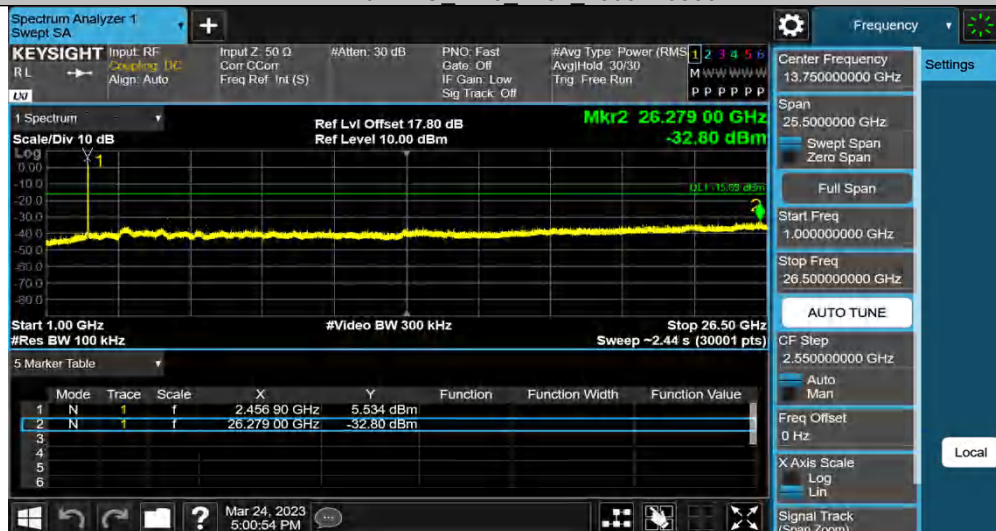




11AX20MIMO_Ant0_2462_30~1000



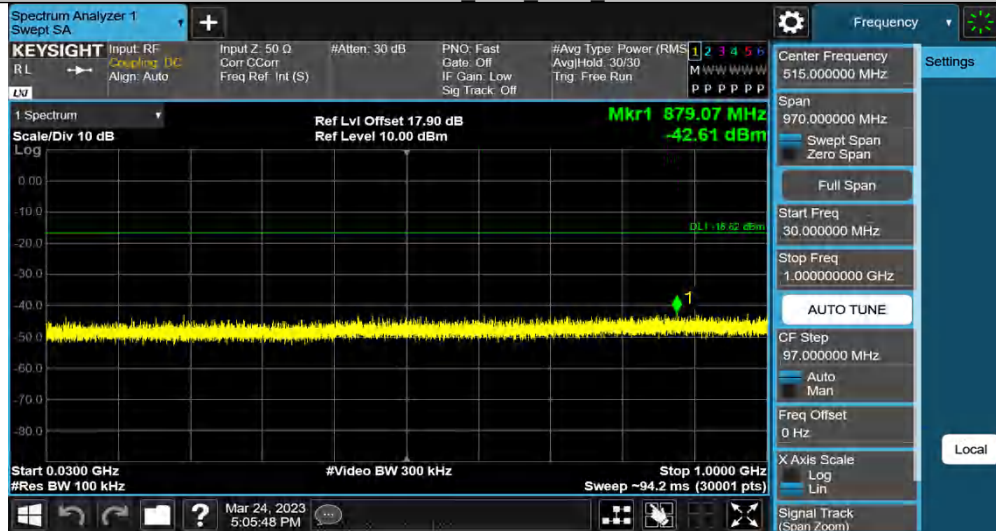
11AX20MIMO_Ant0_2462_1000~26500



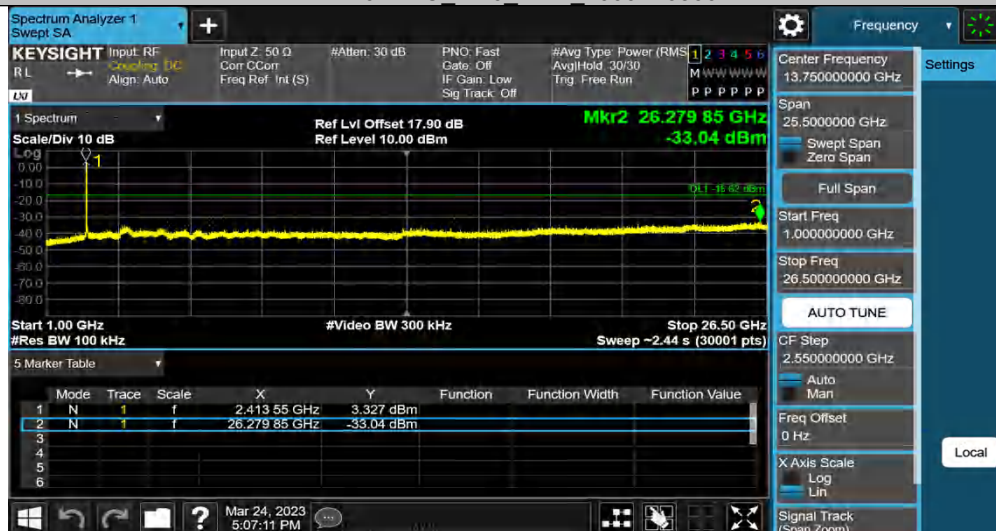
11AX40MIMO_Ant0_2422_0~Reference



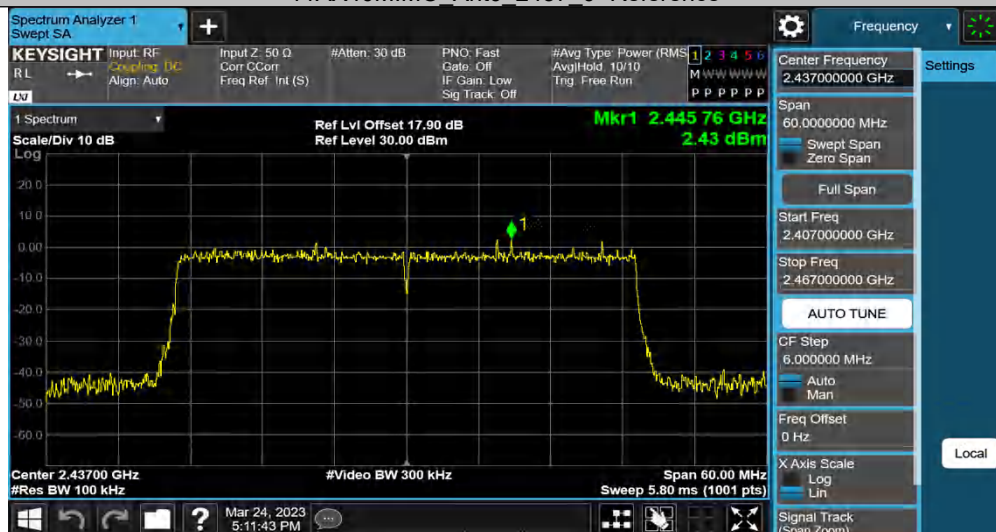
11AX40MIMO_Ant0_2422_30~1000

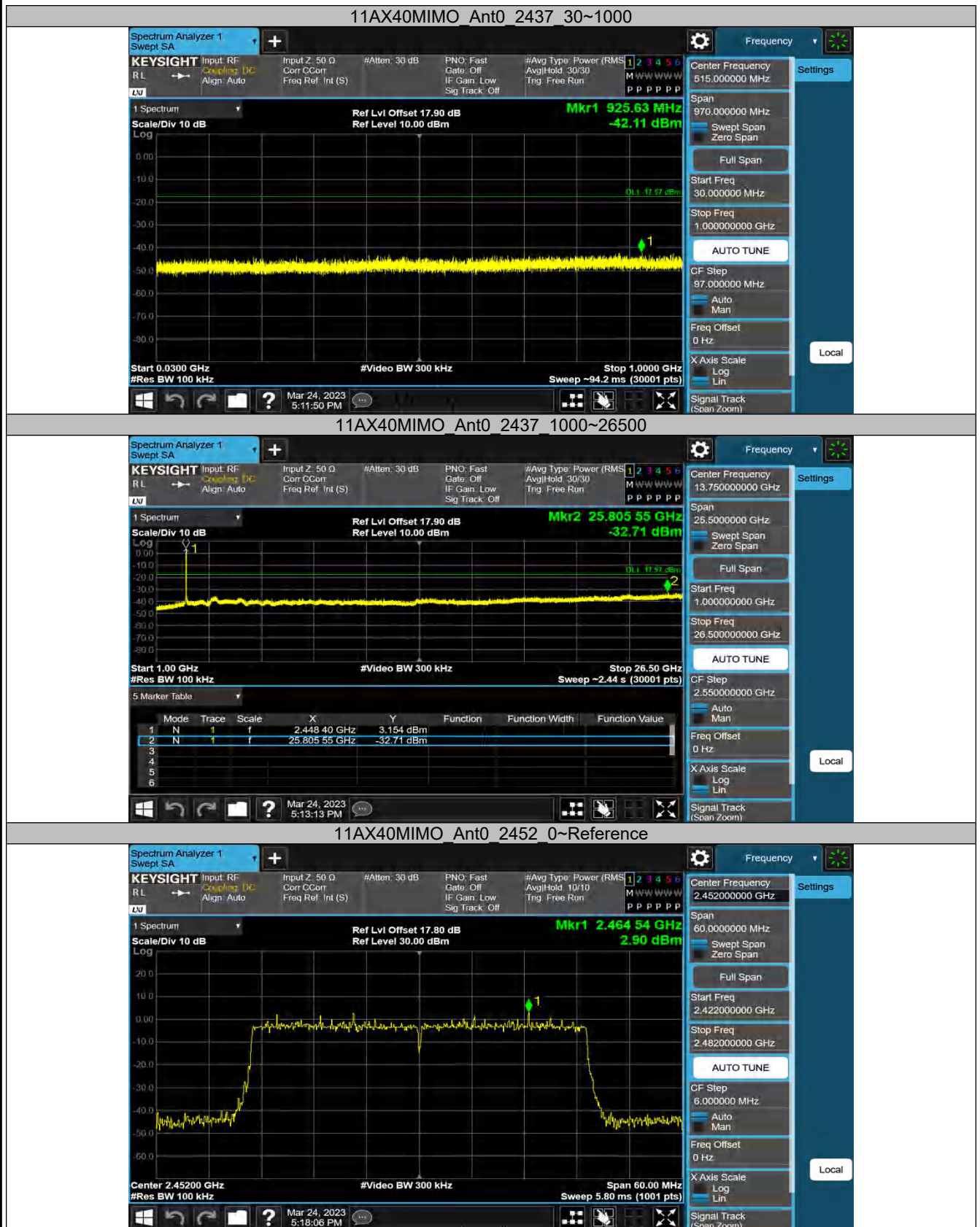


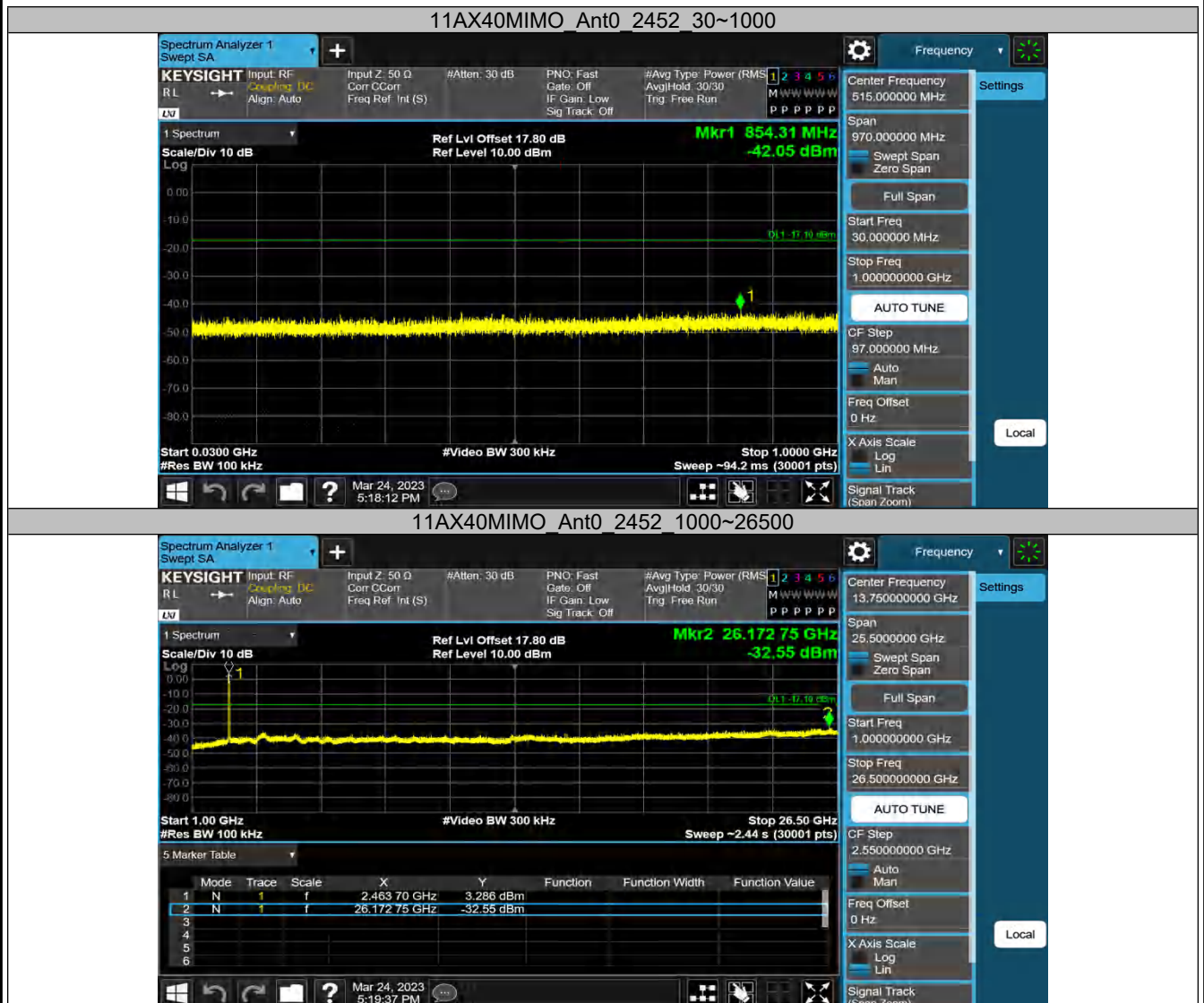
11AX40MIMO_Ant0_2422_1000~26500



11AX40MIMO_Ant0_2437_0~Reference







Appendix A.5: Test Results of Radiated Spurious Emissions

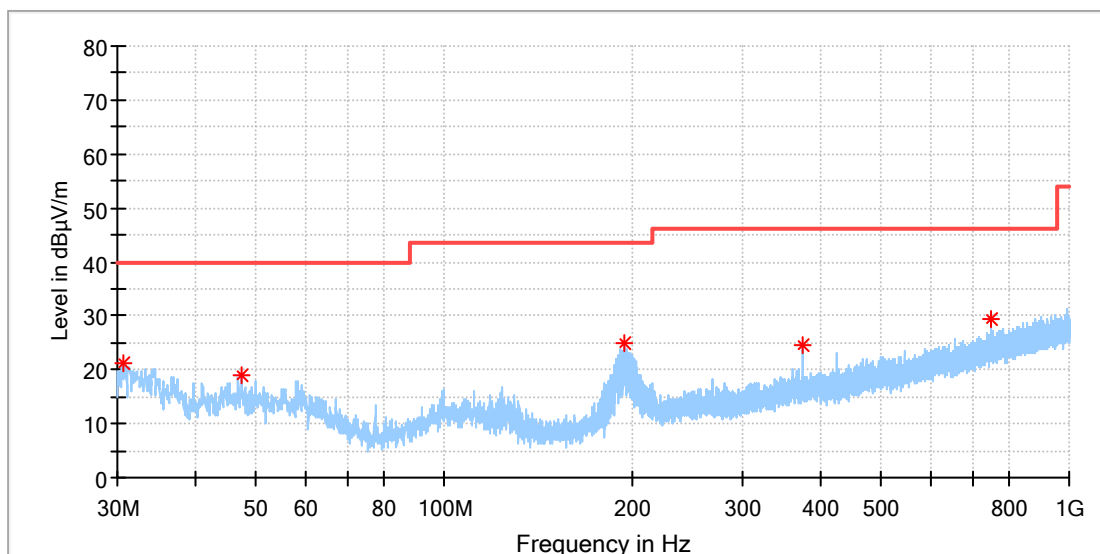
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	OPS-A
Model:	OPS-1A-8R64S
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168417547/A003427527-003
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

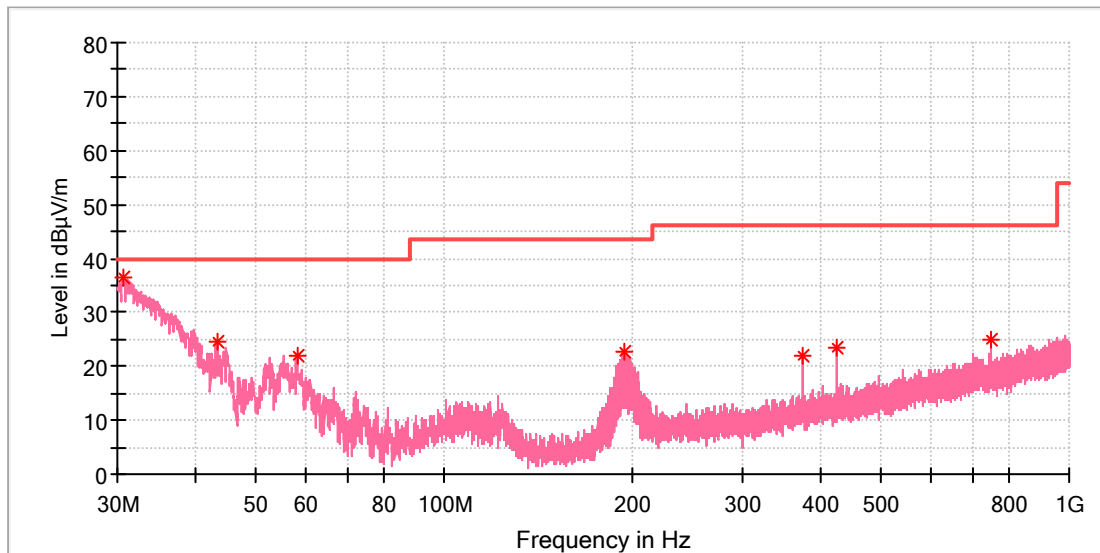
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.582000	21.35	40.00	18.65	100.0	H	43.0	-22.9
47.460000	18.84	40.00	21.16	100.0	H	306.0	-18.5
193.978500	24.79	43.50	18.71	100.0	H	292.0	-19.2
374.980500	24.46	46.00	21.54	100.0	H	81.0	-14.3
750.031000	29.38	46.00	16.62	100.0	H	215.0	-7.2

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
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)
30.783462	36.58	40.00	3.42	100.0	V	0.0	-23.2
43.393462	24.43	40.00	15.57	100.0	V	354.0	-19.5
58.167308	21.77	40.00	18.23	100.0	V	354.0	-19.1
193.930000	22.82	43.50	20.68	100.0	V	8.0	-19.6
375.021539	21.89	46.00	24.11	100.0	V	95.0	-14.7
425.013846	23.48	46.00	22.52	100.0	V	119.0	-13.7
750.038462	24.75	46.00	21.25	100.0	V	119.0	-7.6

Final Result

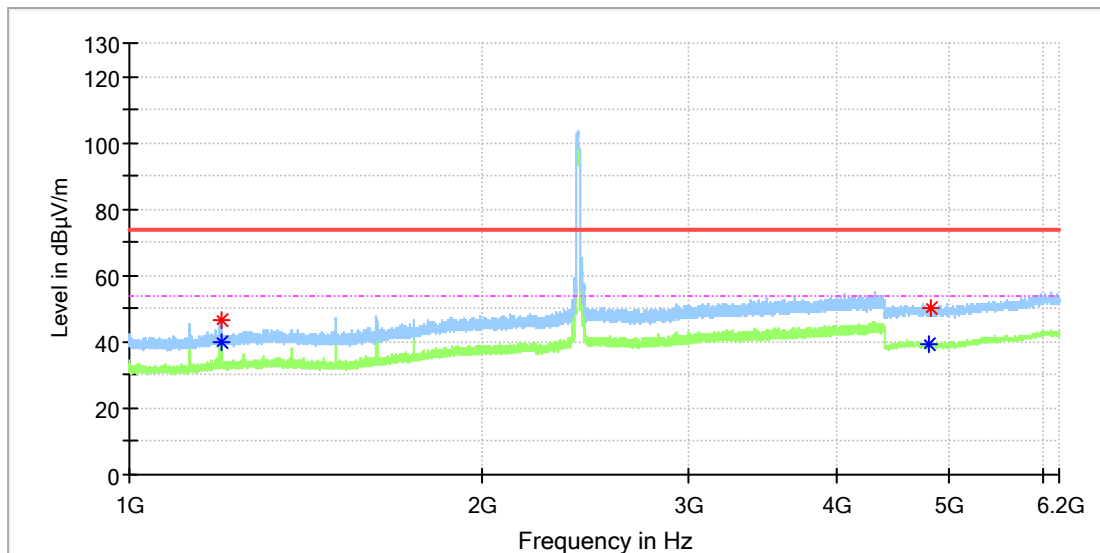
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	OPS-A
Model:	OPS-1A-8R64S
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168417547/A003427527-003
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

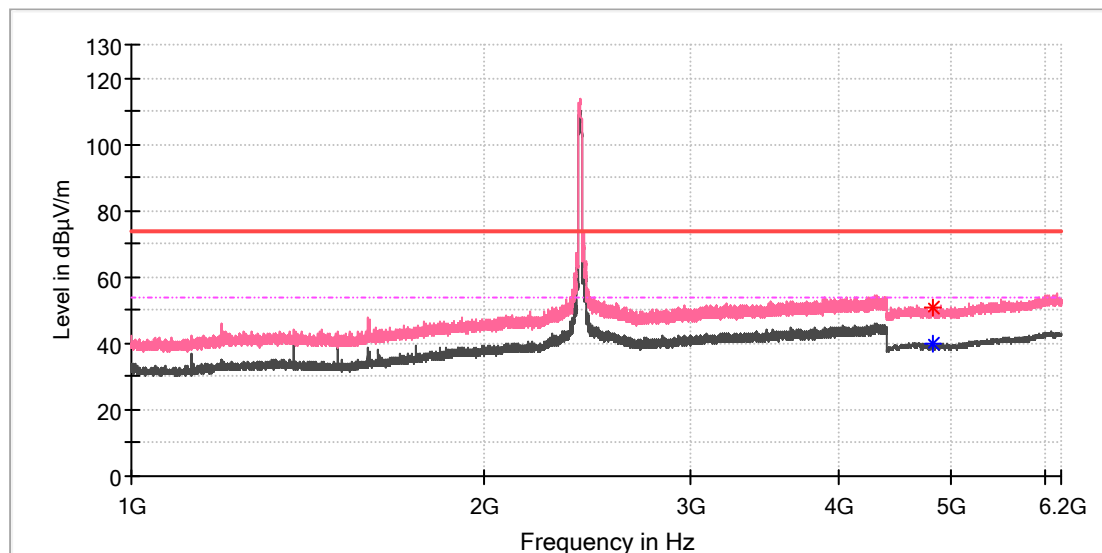
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1197.370000	---	39.94	54.00	14.06	150.0	H	157.0	1.1
1197.370000	46.44	---	74.00	27.56	150.0	H	157.0	1.1
4807.500000	---	39.59	54.00	14.41	150.0	H	289.0	11.8
4826.000000	50.10	---	74.00	23.90	150.0	H	217.0	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: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

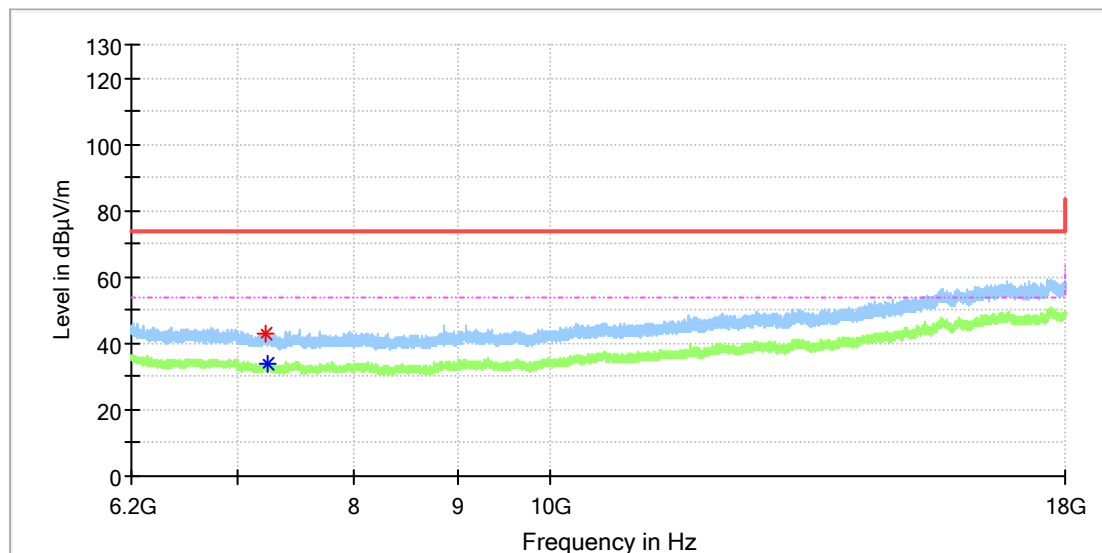
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4813.500000	51.06	---	74.00	22.94	150.0	V	91.0	11.8
4824.000000	---	40.17	54.00	13.83	150.0	V	187.0	11.8

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

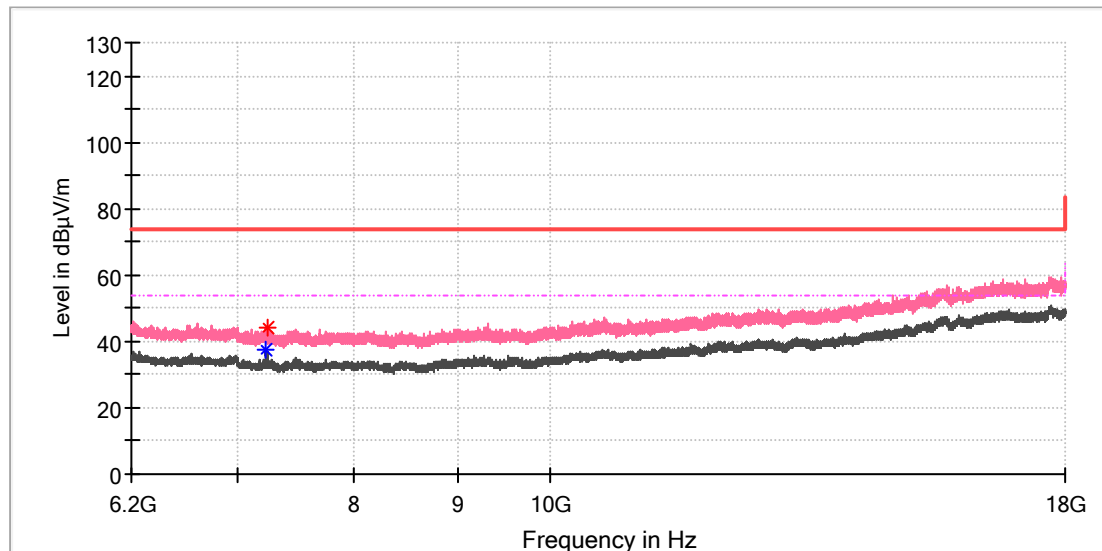
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7222.175000	42.90	---	74.00	31.10	150.0	H	324.0	8.7
7239.383333	---	34.10	54.00	19.90	150.0	H	189.0	8.6

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

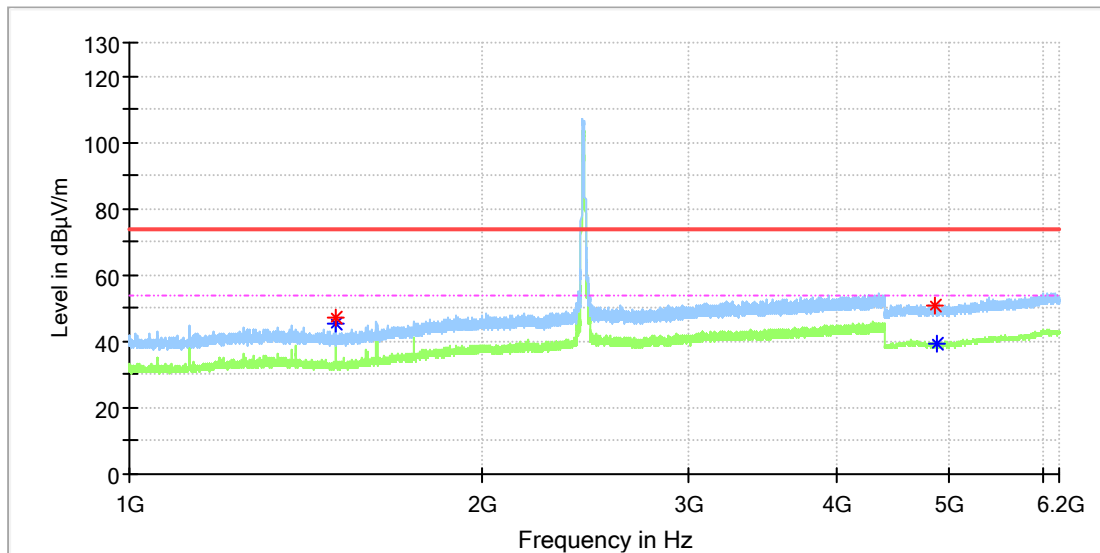
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7232.500000	---	37.26	54.00	16.74	150.0	V	12.0	8.6
7236.925000	44.29	---	74.00	29.71	150.0	V	12.0	8.6

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

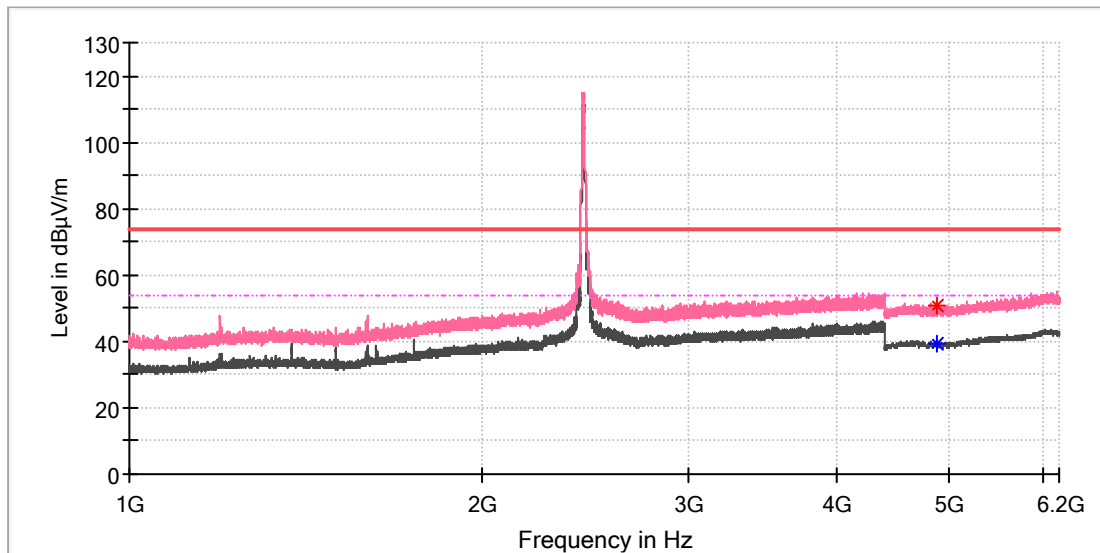
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1499.970000	47.34	---	74.00	26.66	150.0	H	57.0	1.2
1499.970000	---	45.44	54.00	8.56	150.0	H	57.0	1.2
4849.500000	50.80	---	74.00	23.20	150.0	H	248.0	11.8
4872.500000	---	39.56	54.00	14.44	150.0	H	236.0	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: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

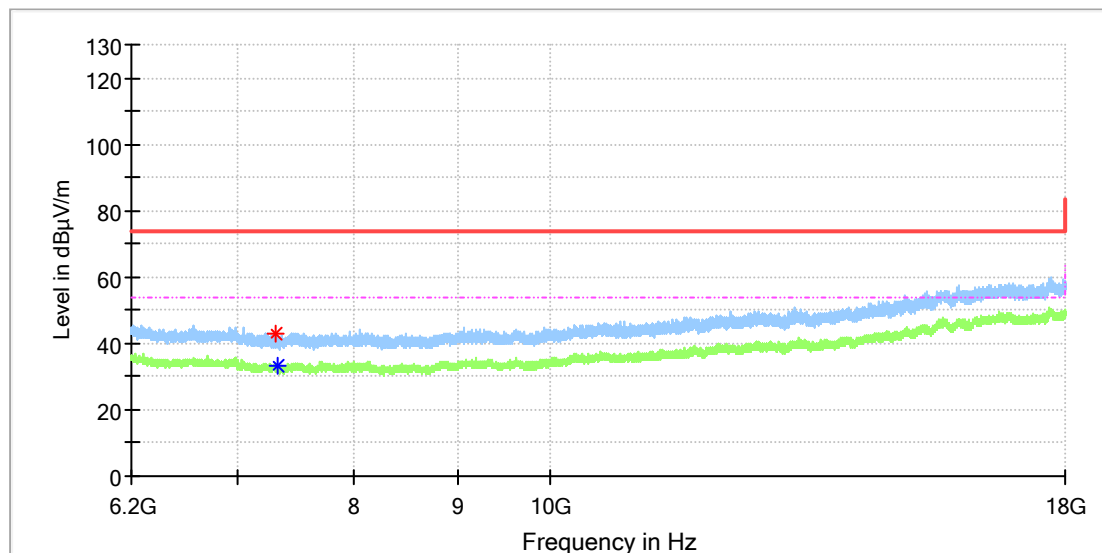
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	50.68	---	74.00	23.32	150.0	V	13.0	11.8
4874.000000	---	39.56	54.00	14.44	150.0	V	13.0	11.8

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

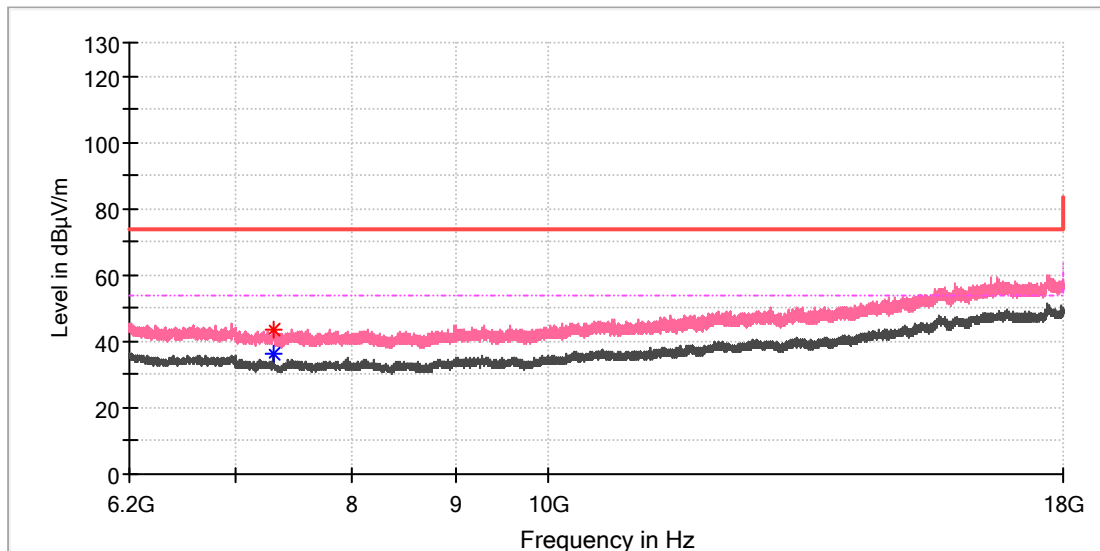
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.691667	42.80	---	74.00	31.20	150.0	H	325.0	8.2
7318.541667	---	33.47	54.00	20.53	150.0	H	21.0	8.2

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

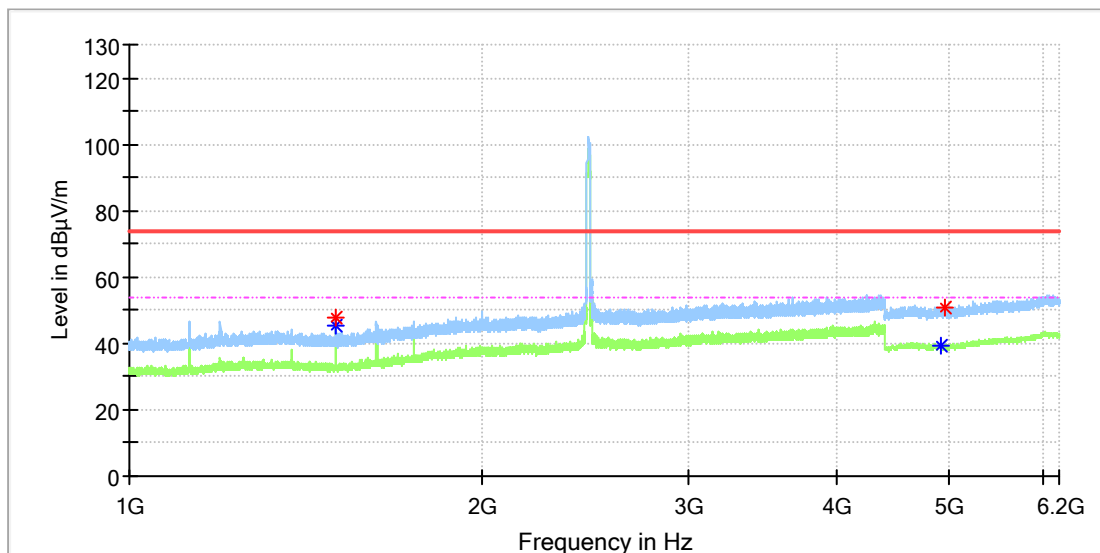
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7306.250000	43.72	---	74.00	30.28	150.0	V	299.0	8.3
7308.708333	---	36.41	54.00	17.59	150.0	V	37.0	8.2

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

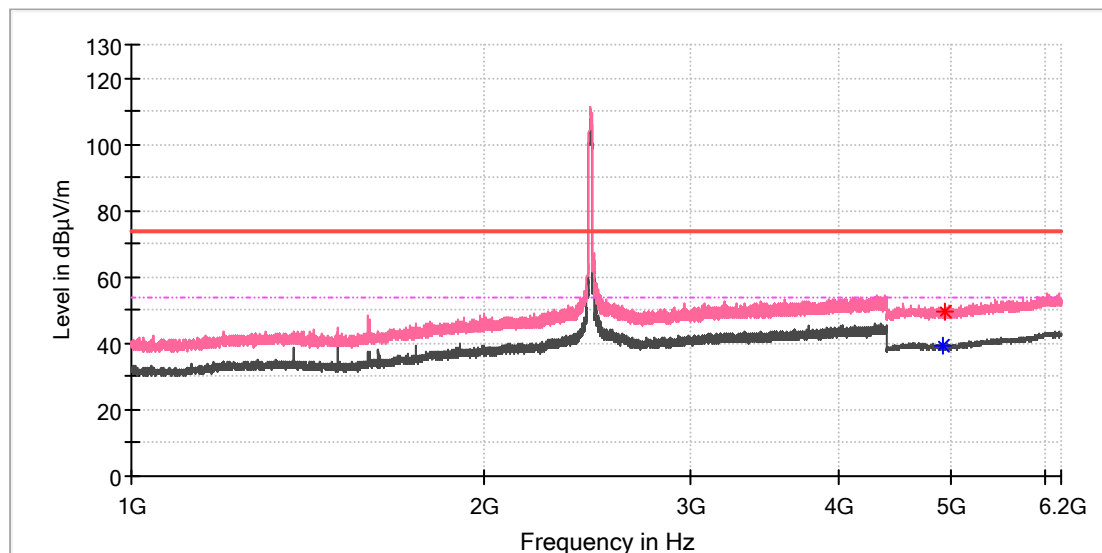
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1499.970000	47.80	---	74.00	26.20	150.0	H	248.0	1.2
1499.970000	---	45.57	54.00	8.43	150.0	H	248.0	1.2
4924.000000	---	39.48	54.00	14.52	150.0	H	242.0	11.8
4958.500000	50.89	---	74.00	23.11	150.0	H	183.0	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: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

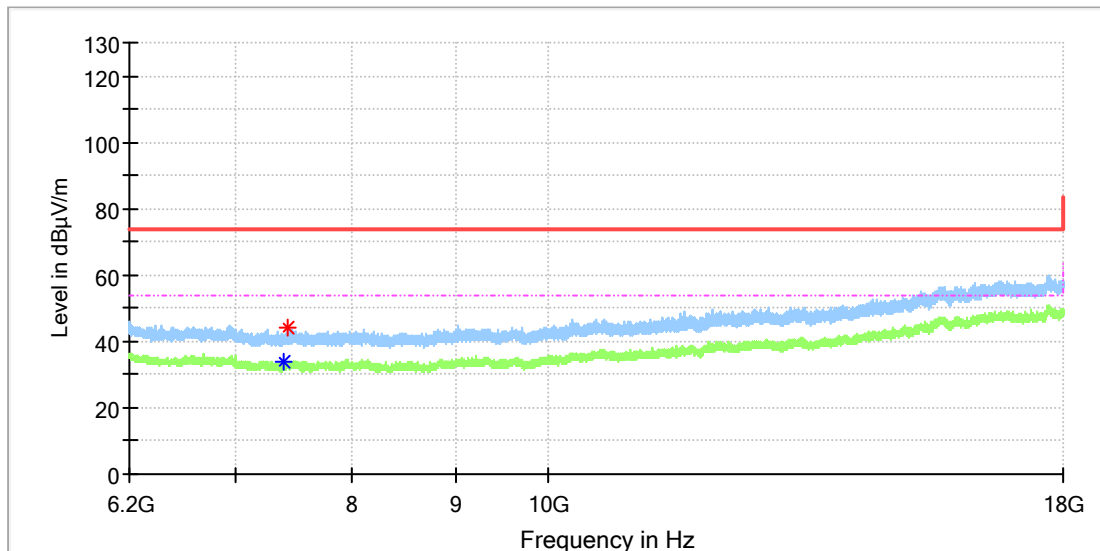
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	---	39.52	54.00	14.48	150.0	V	203.0	11.8
4931.000000	49.87	---	74.00	24.13	150.0	V	267.0	11.8

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

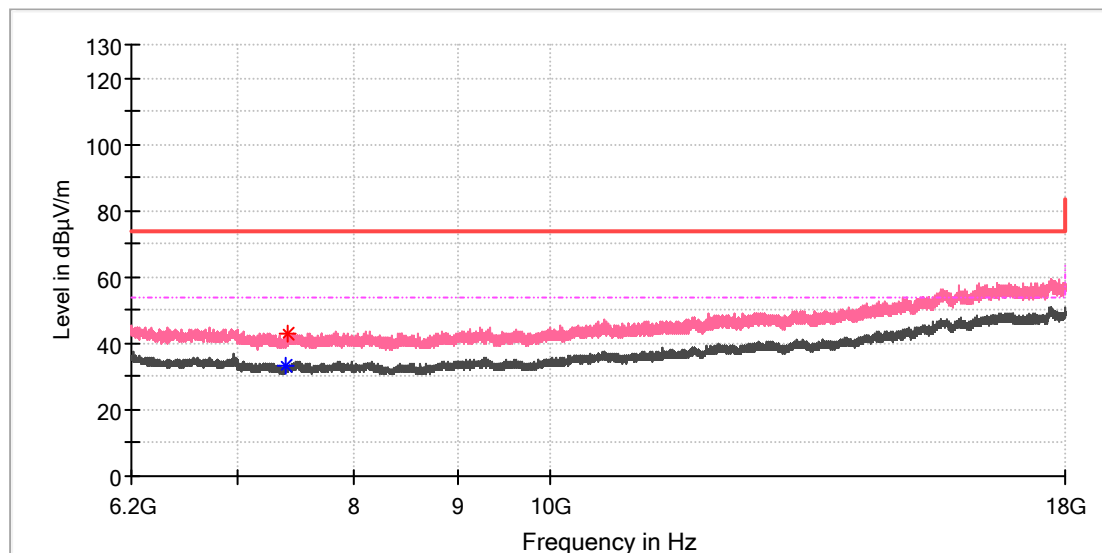
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7390.325000	---	33.58	54.00	20.42	150.0	H	345.0	8.2
7427.691667	43.85	---	74.00	30.15	150.0	H	199.0	8.4

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

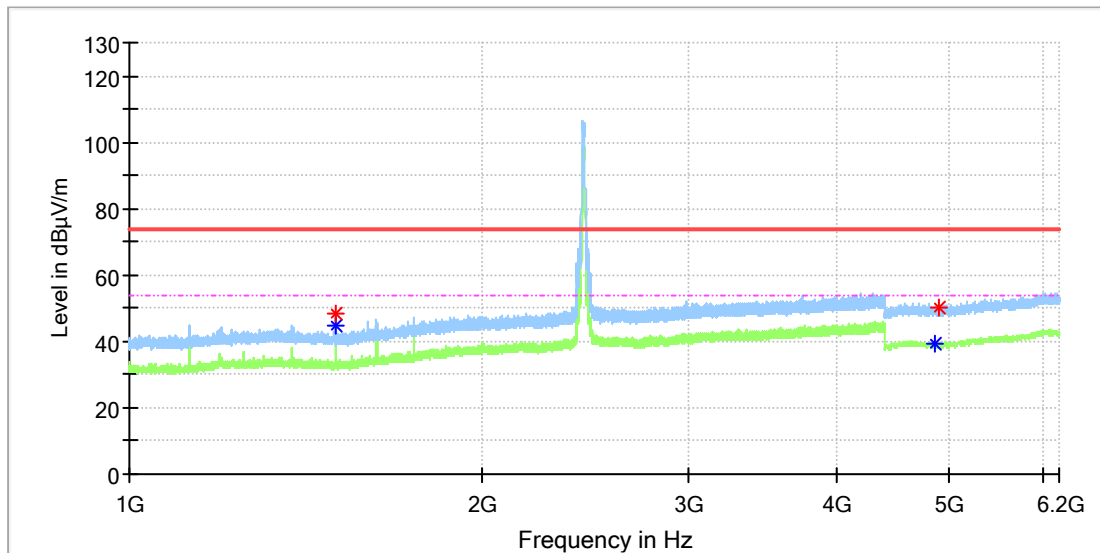
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7386.391667	---	33.32	54.00	20.68	150.0	V	327.0	8.2
7415.400000	43.02	---	74.00	30.98	150.0	V	0.0	8.3

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

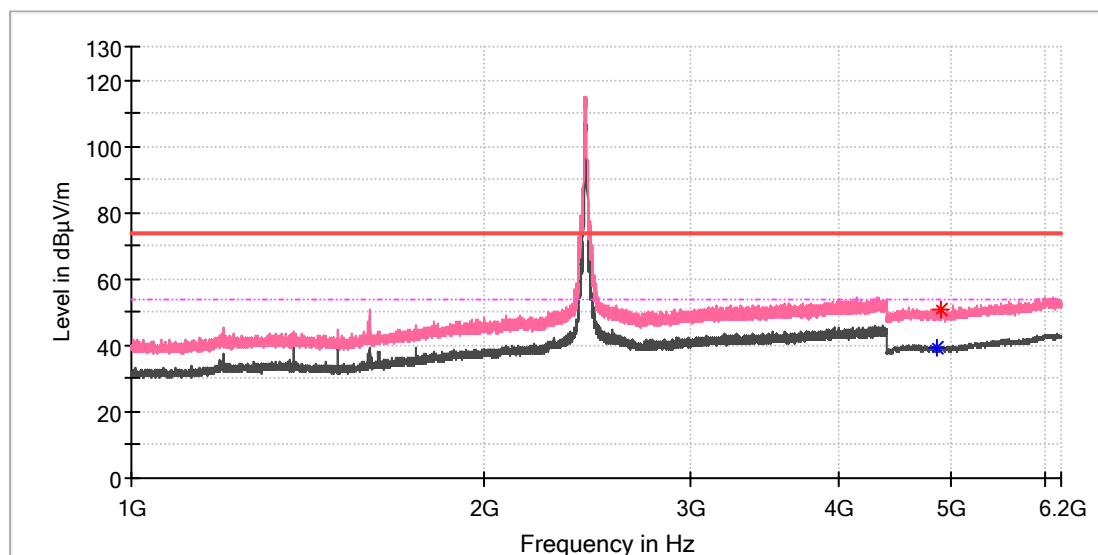
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1499.800000	48.14	---	74.00	25.86	150.0	H	55.0	1.2
1499.800000	---	44.95	54.00	9.05	150.0	H	55.0	1.2
4864.000000	---	39.53	54.00	14.47	150.0	H	96.0	11.8
4893.000000	50.05	---	74.00	23.95	150.0	H	355.0	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: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

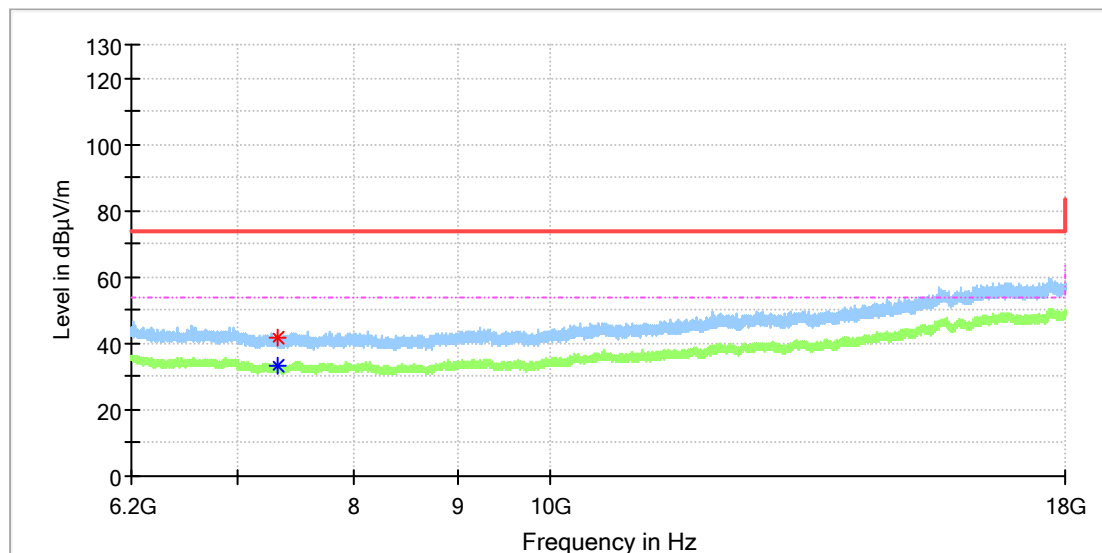
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4862.500000	---	39.40	54.00	14.60	150.0	V	358.0	11.8
4893.000000	50.83	---	74.00	23.17	150.0	V	261.0	11.8

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

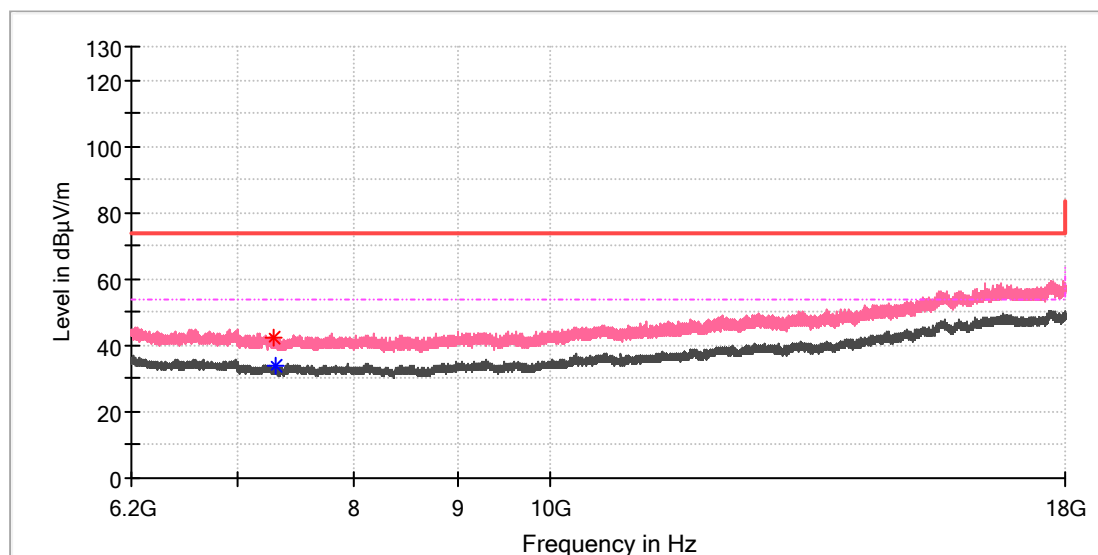
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7320.016667	---	33.37	54.00	20.63	150.0	H	0.0	8.2
7331.325000	41.77	---	74.00	32.23	150.0	H	29.0	8.1

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

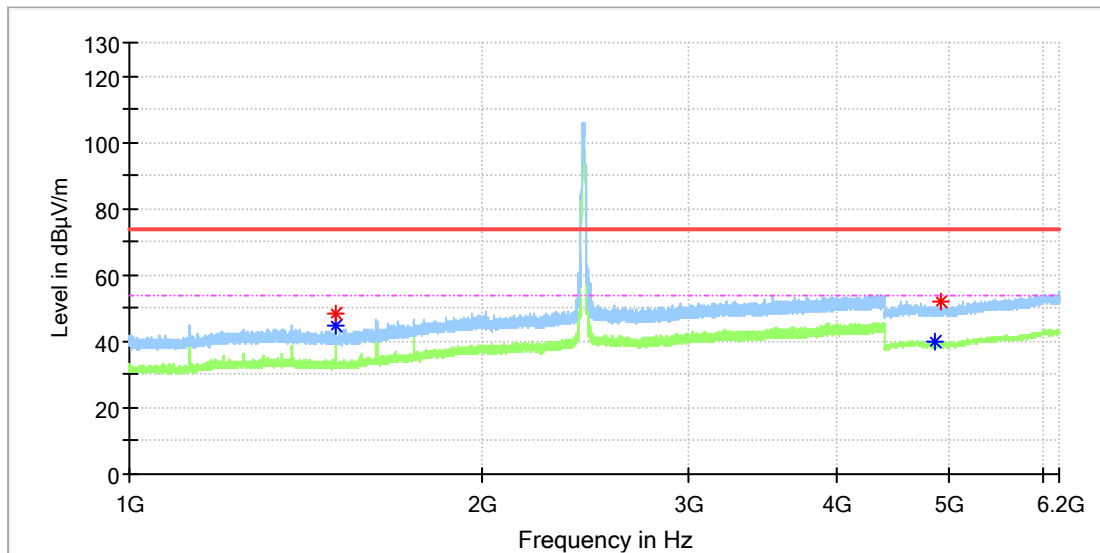
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7292.975000	42.48	---	74.00	31.52	150.0	V	220.0	8.3
7315.100000	---	33.83	54.00	20.17	150.0	V	319.0	8.2

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

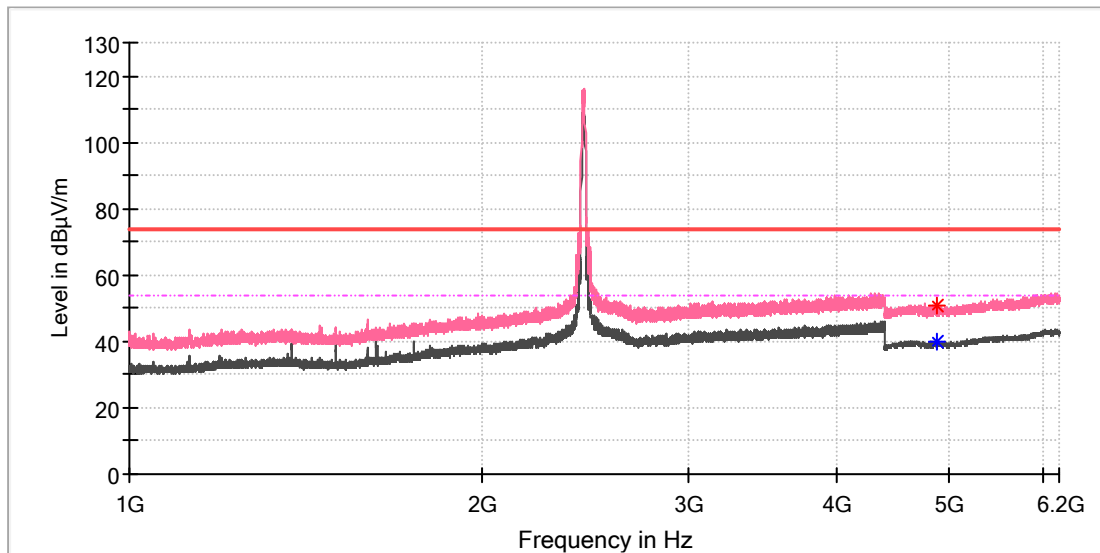
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1499.630000	---	44.50	54.00	9.50	150.0	H	188.0	1.2
1499.970000	48.17	---	74.00	25.83	150.0	H	188.0	1.2
4862.500000	---	40.01	54.00	13.99	150.0	H	165.0	11.8
4916.500000	51.80	---	74.00	22.20	150.0	H	262.0	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: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

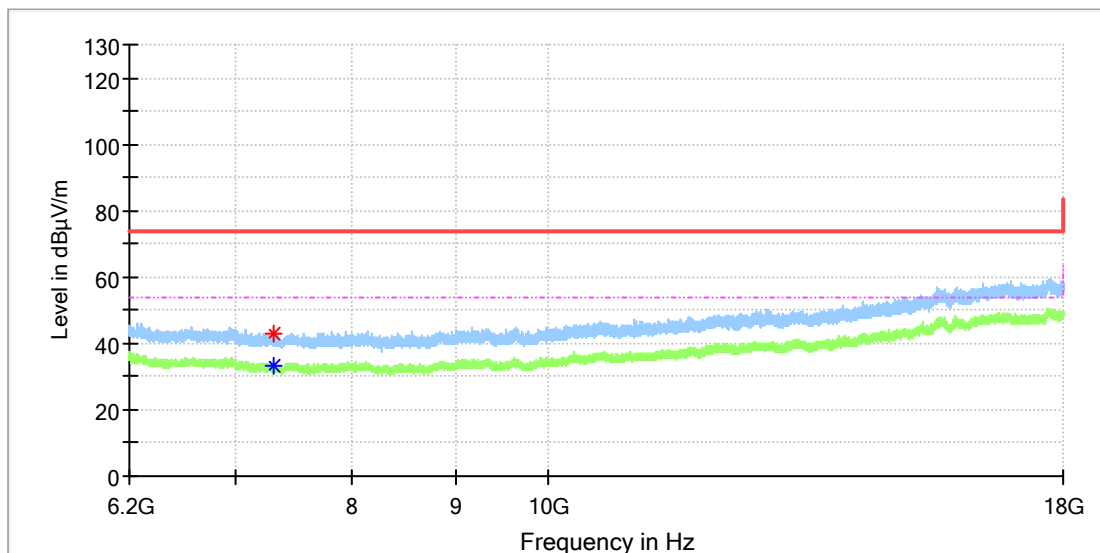
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.000000	50.71	---	74.00	23.29	150.0	V	250.0	11.8
4869.500000	---	39.69	54.00	14.31	150.0	V	304.0	11.8

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

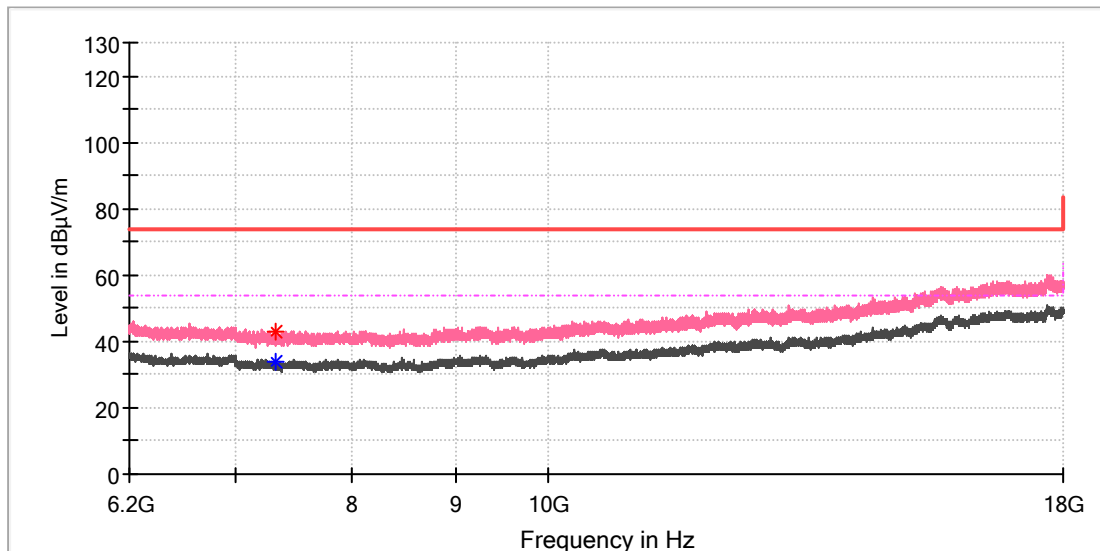
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7314.608333	---	33.46	54.00	20.54	150.0	H	238.0	8.2
7318.050000	42.87	---	74.00	31.13	150.0	H	46.0	8.2

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

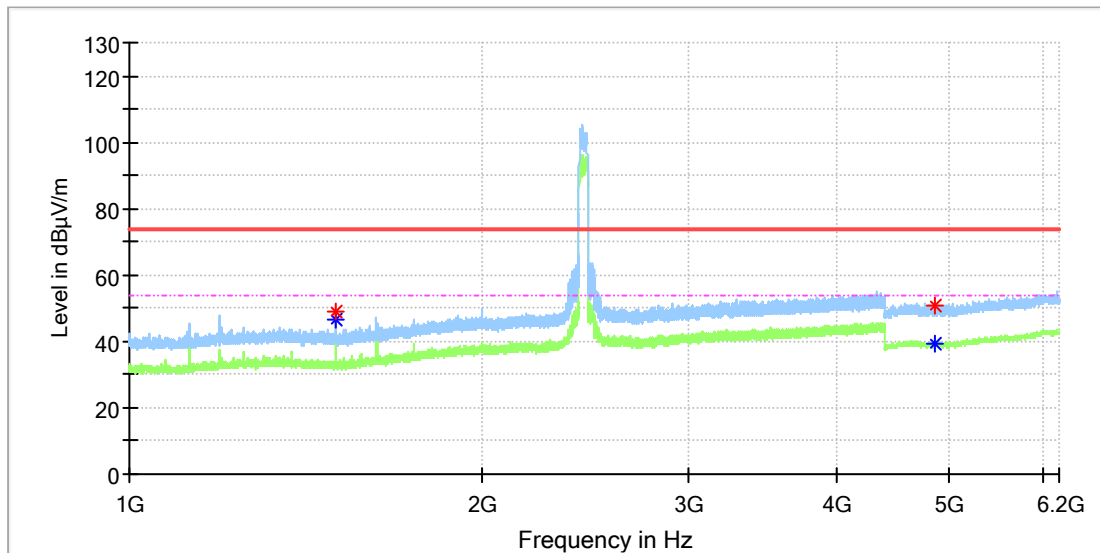
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7321.000000	---	33.99	54.00	20.01	150.0	V	308.0	8.2
7322.966667	42.84	---	74.00	31.16	150.0	V	345.0	8.2

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11ax40_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

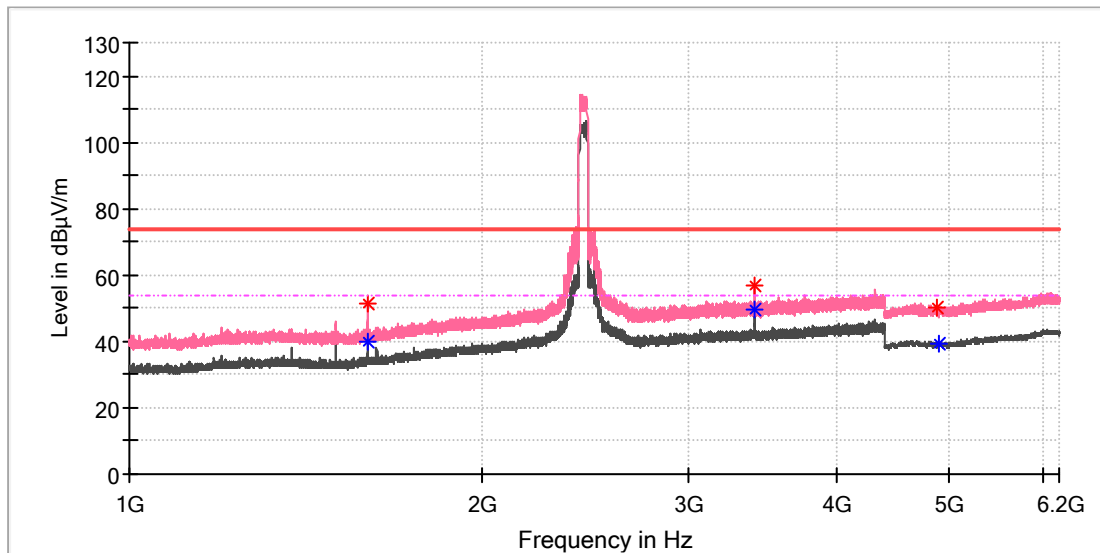
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1499.800000	48.97	---	74.00	25.03	150.0	H	306.0	1.2
1499.970000	---	46.57	54.00	7.43	150.0	H	306.0	1.2
4856.500000	50.95	---	74.00	23.05	150.0	H	10.0	11.8
4862.500000	---	39.58	54.00	14.42	150.0	H	203.0	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: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11ax40_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

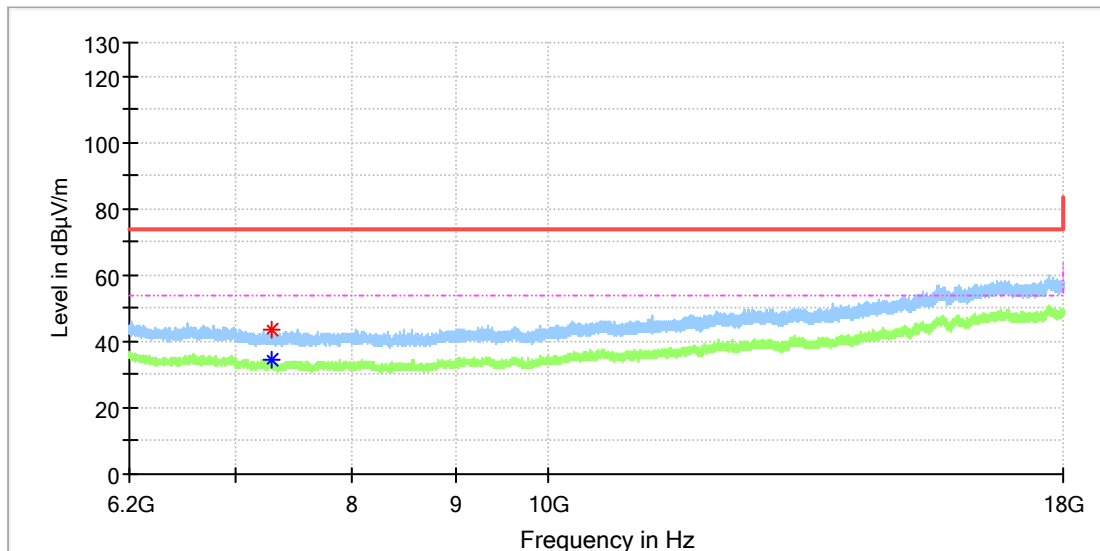
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1598.400000	51.11	---	74.00	22.89	150.0	V	263.0	2.1
1598.400000	---	40.10	54.00	13.90	150.0	V	263.0	2.1
3412.300000	---	49.43	54.00	4.57	150.0	V	122.0	8.7
3412.640000	56.78	---	74.00	17.22	150.0	V	122.0	8.7
4880.000000	50.00	---	74.00	24.00	150.0	V	13.0	11.8
4897.500000	---	39.45	54.00	14.55	150.0	V	99.0	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: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11ax40_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

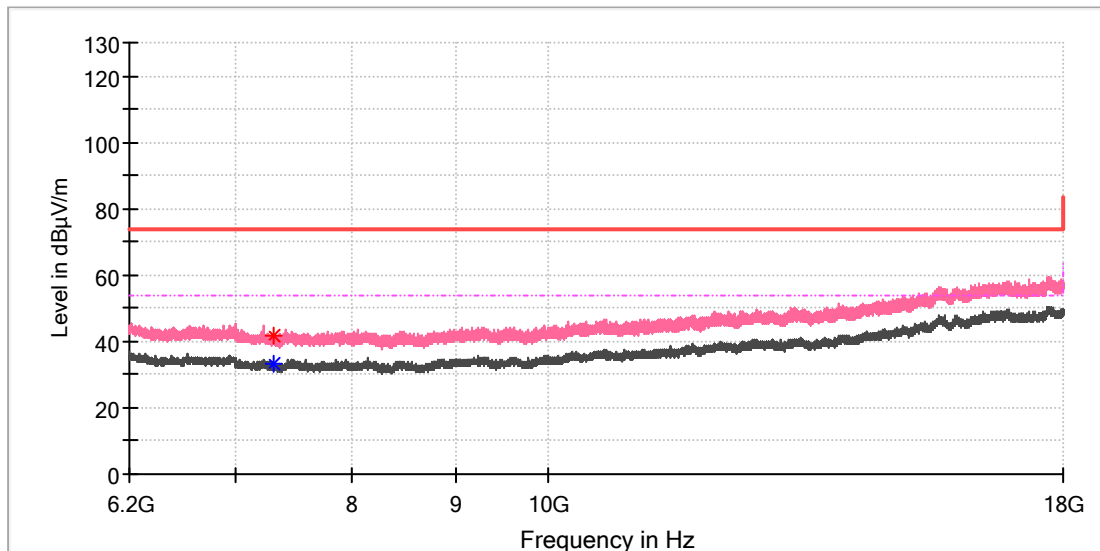
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7286.583333	43.26	---	74.00	30.74	150.0	H	168.0	8.4
7290.516667	---	34.22	54.00	19.78	150.0	H	183.0	8.3

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11ax40_Ch6
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
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)
7318.050000	41.90	---	74.00	32.10	150.0	V	0.0	8.2
7318.050000	---	33.50	54.00	20.50	150.0	V	0.0	8.2

Final Result

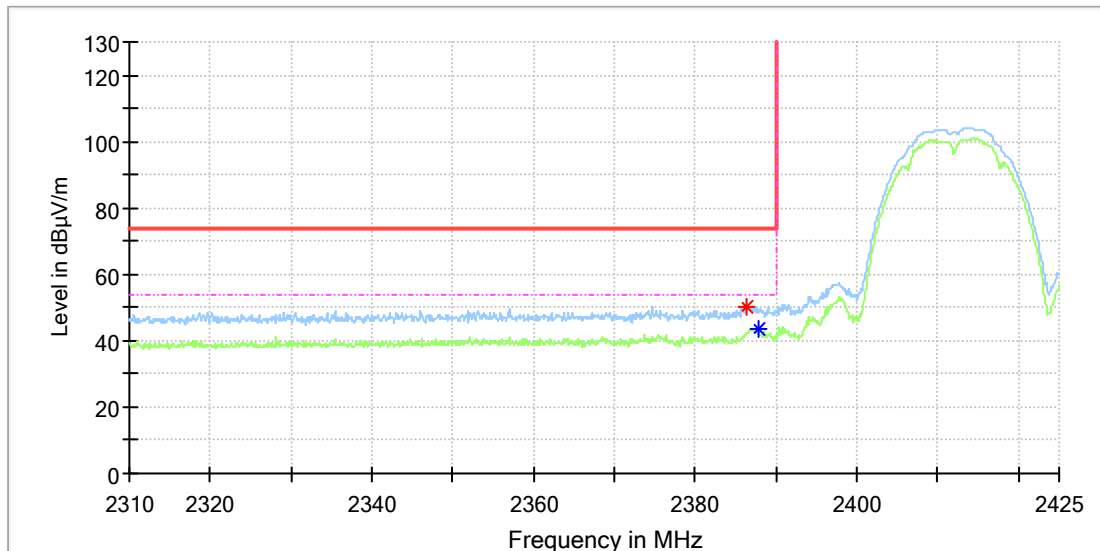
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Appendix A.6: Test Results of Radiated Emissions in Restricted Bands

Wi-Fi 802.11 b mode

EUT Information

EUT Name:	OPS-A
Model:	OPS-1A-8R64S
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168417547/A003427527-003
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

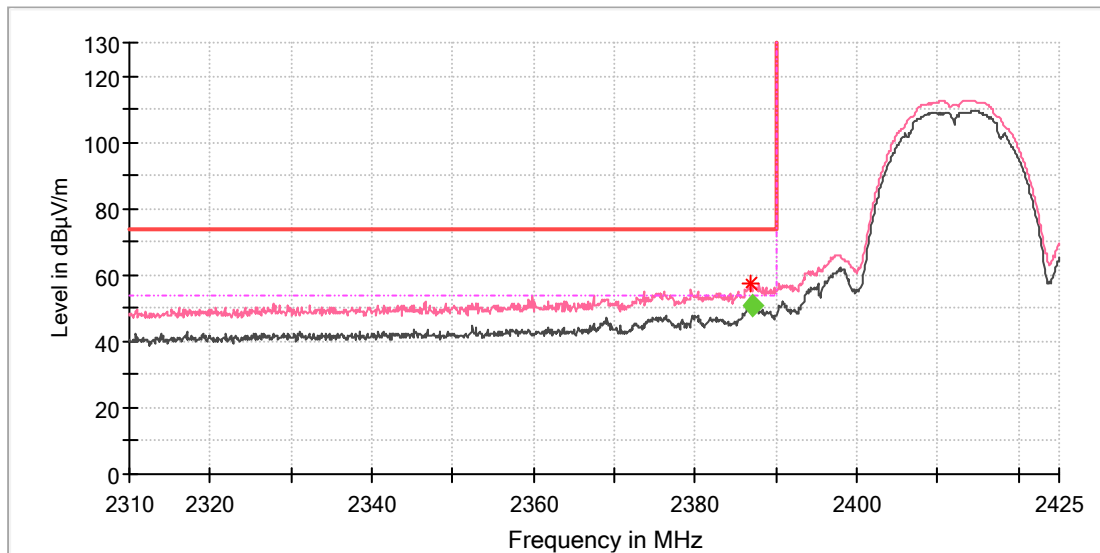
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.300000	50.46	---	74.00	23.54	150.0	H	259.0	7.0
2387.800000	---	43.77	54.00	10.23	150.0	H	91.0	7.0

Final_Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

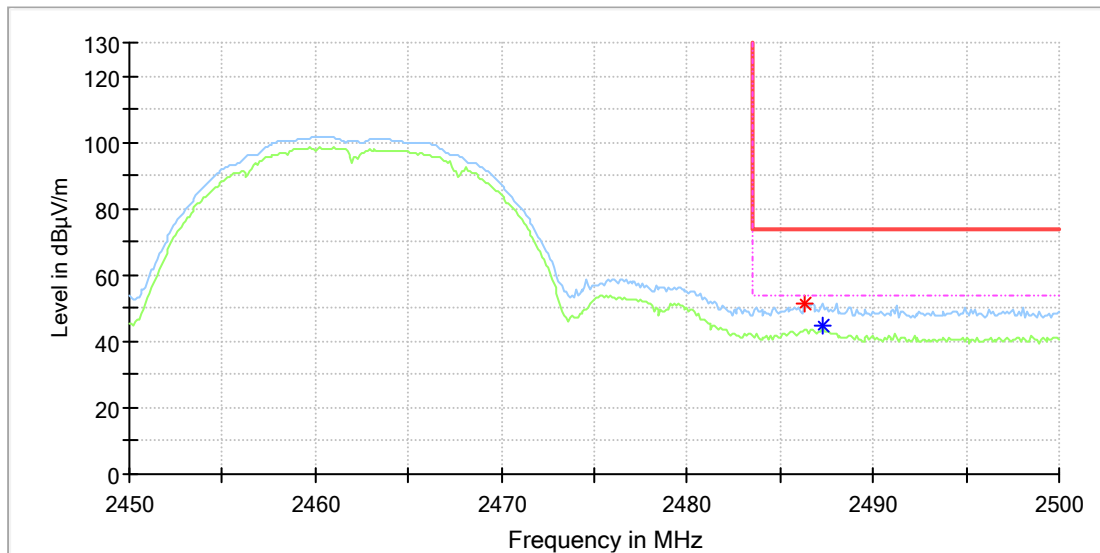
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.900000	57.61	---	74.00	16.39	150.0	V	299.0	7.0

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.095400	50.56	54.00	3.44	149.0	V	294.0	7.0

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

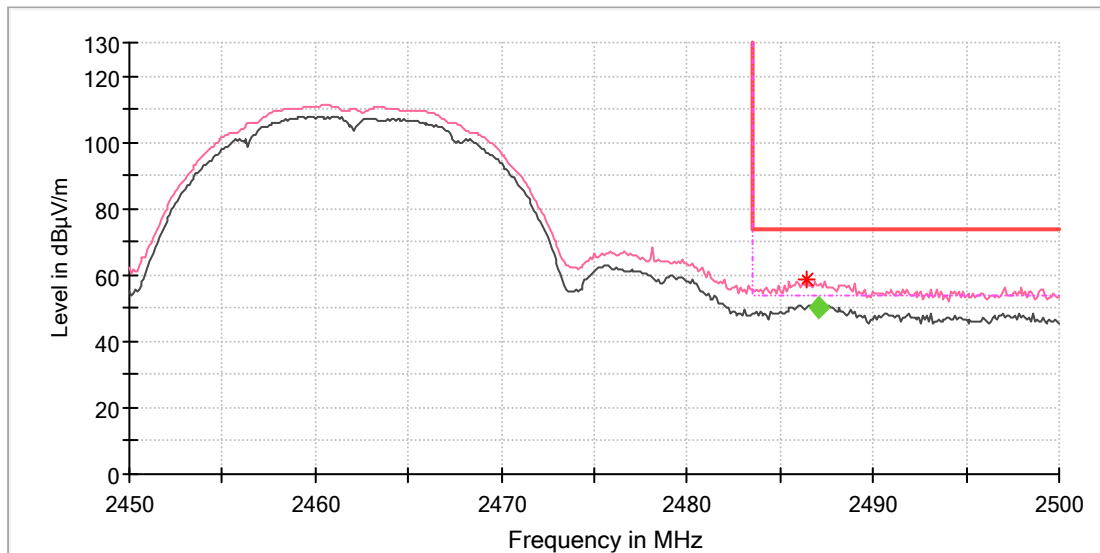
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.300000	51.60	---	74.00	22.40	150.0	H	307.0	7.4
2487.300000	---	44.74	54.00	9.26	150.0	H	243.0	7.4

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
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)
2486.400000	58.55	---	74.00	15.45	150.0	V	357.0	7.4

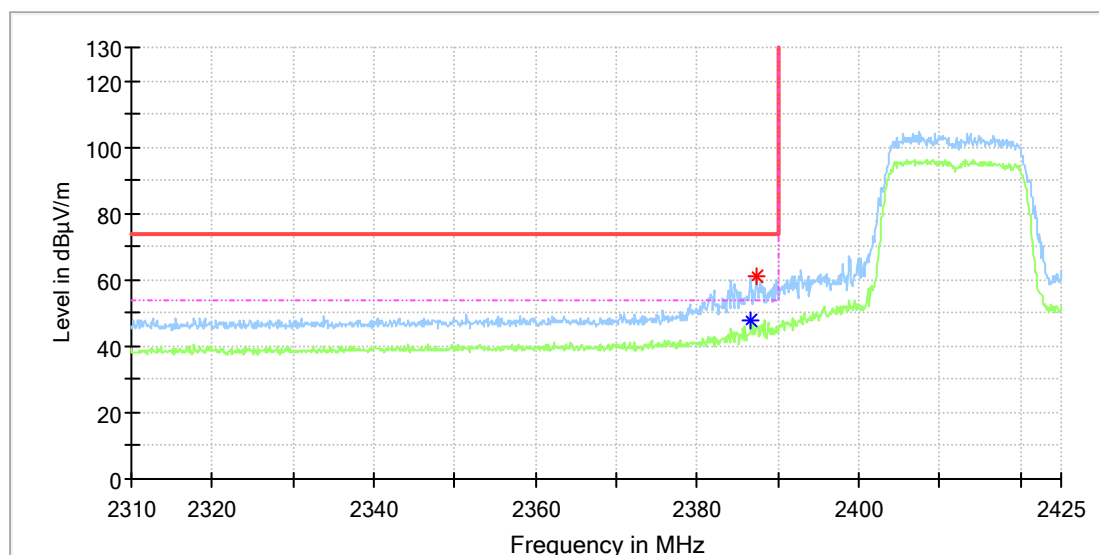
Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.015400	50.46	54.00	3.54	145.0	V	-5.0	7.4

Wi-Fi 802.11 g mode

EUT Information

EUT Name: OPS-A
 Model: OPS-1A-8R64S
 Test Mode: WIFI 2.4G_11g_Ch1
 Order No/Sample No: 168417547/A003427527-003
 Test Voltage: 120V/60Hz
 Remark: Temp 23 Humi:56%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

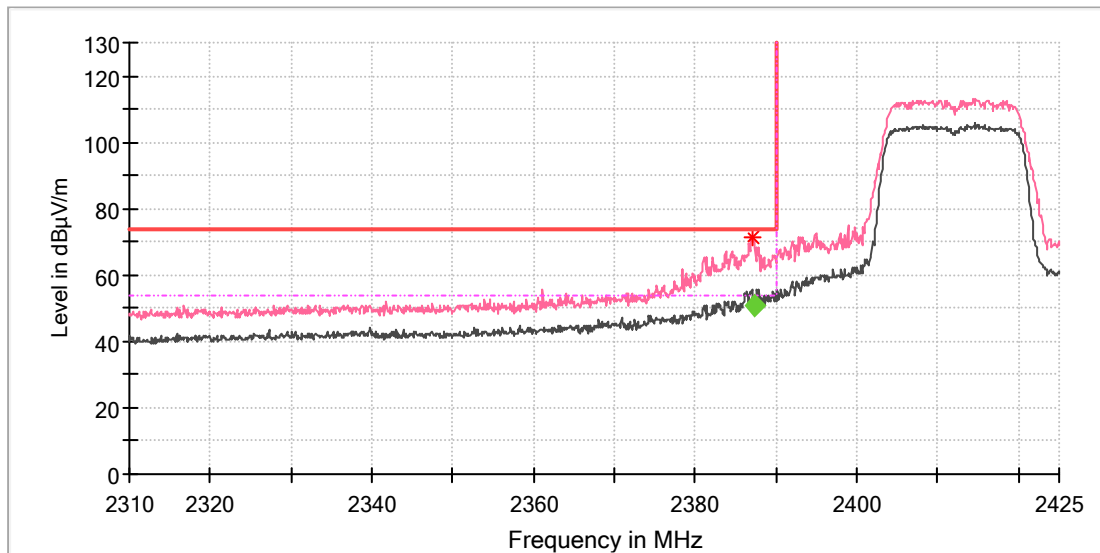
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.600000	---	47.80	54.00	6.20	150.0	H	86.0	7.0
2387.300000	61.07	---	74.00	12.93	150.0	H	286.0	7.0

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11g_Ch1
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

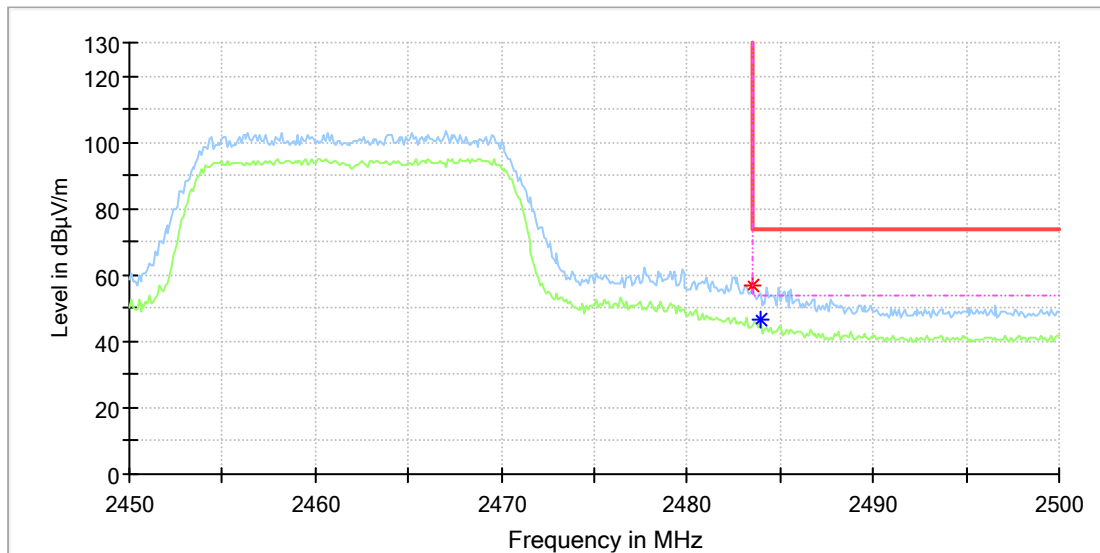
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.100000	71.53	---	74.00	2.47	150.0	V	0.0	7.0

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.403450	50.85	54.00	3.15	148.0	V	353.0	7.0

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11g_Ch11
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

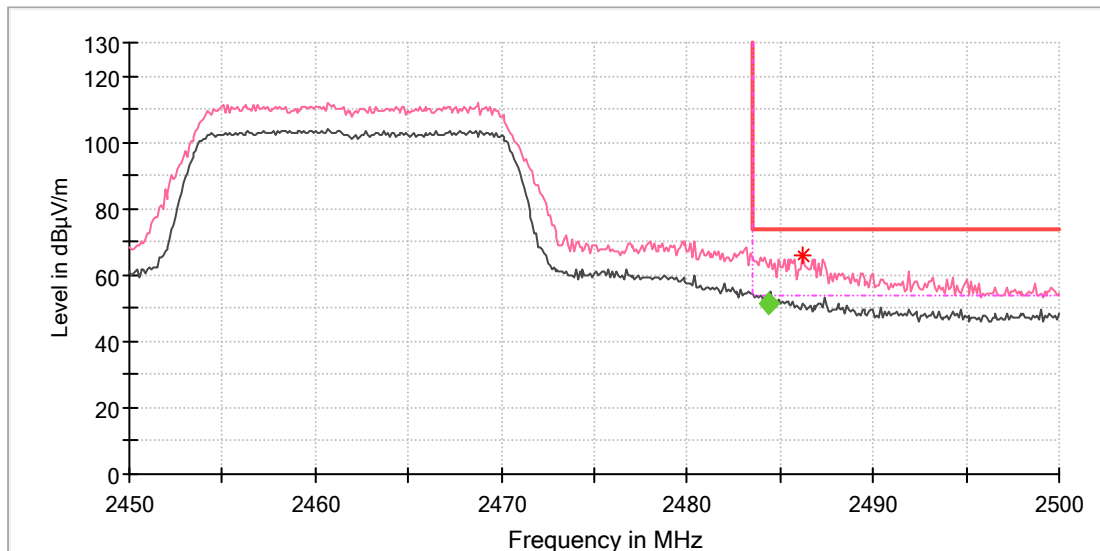
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.500000	56.69	---	74.00	17.31	150.0	H	253.0	7.4
2483.900000	---	46.49	54.00	7.51	150.0	H	280.0	7.4

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11g_Ch11
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

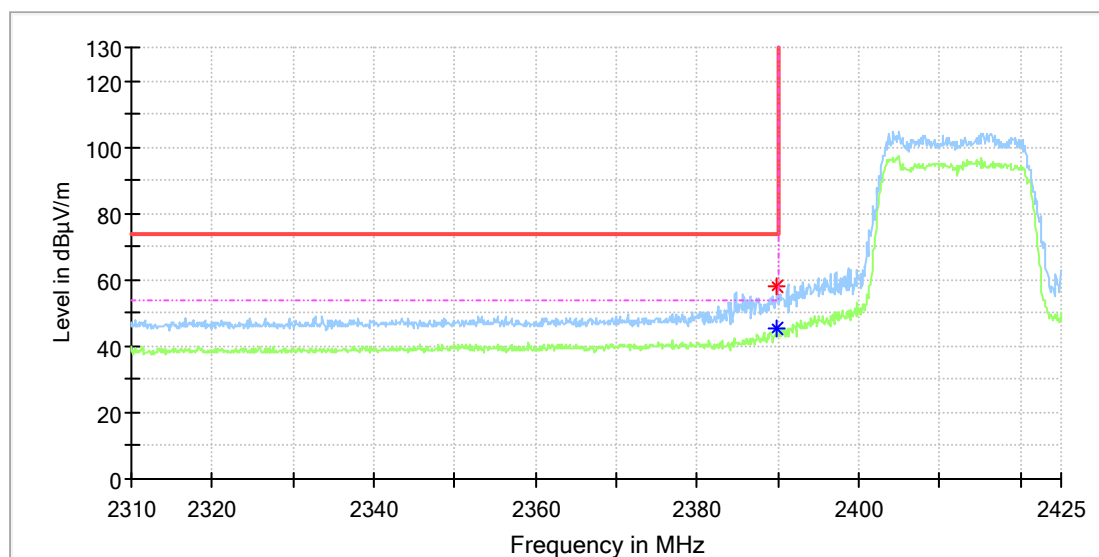
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.200000	65.98	---	74.00	8.02	150.0	V	0.0	7.4

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.337250	51.40	54.00	2.60	148.0	V	351.0	7.4

Wi-Fi 802.11 n(HT20) mode**EUT Information**

EUT Name:	OPS-A
Model:	OPS-1A-8R64S
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168417547/A003427527-003
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

**Critical Freqs**

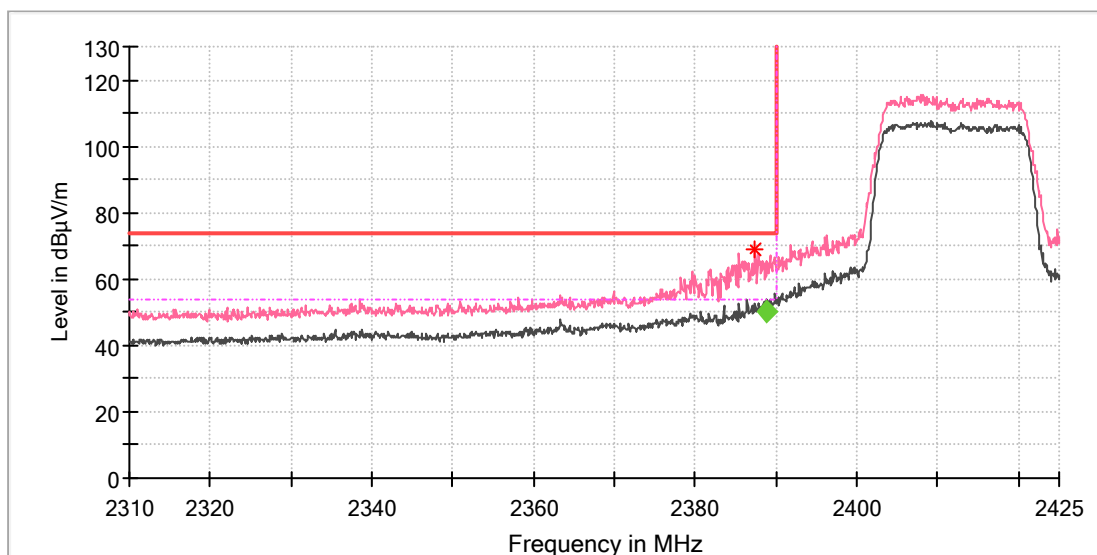
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.900000	58.11	---	74.00	15.89	150.0	H	88.0	7.0
2389.900000	---	45.26	54.00	8.74	150.0	H	88.0	7.0

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11n20_Ch1
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

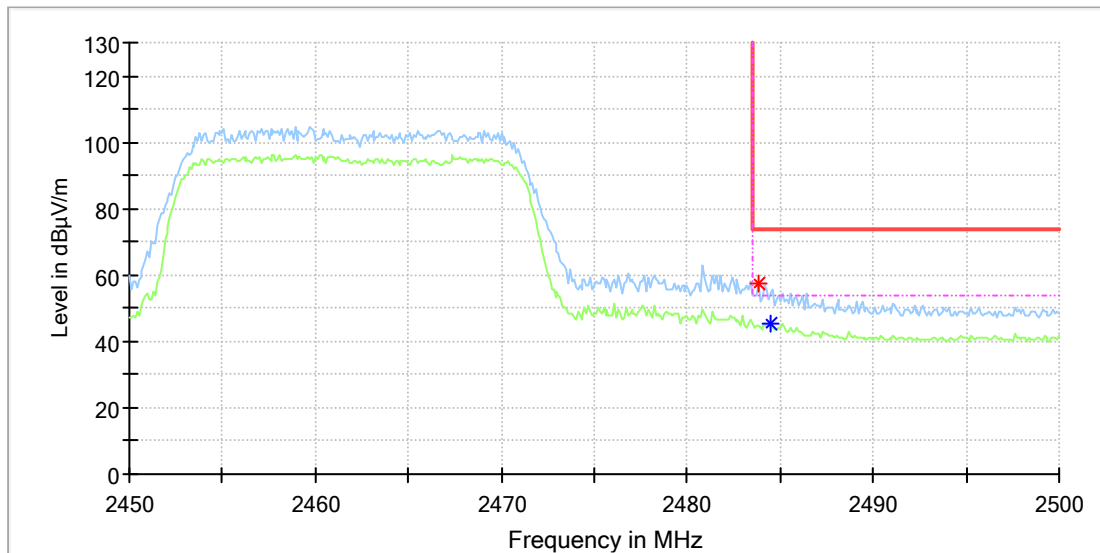
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.400000	68.76	---	74.00	5.24	150.0	V	68.0	7.0

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.932100	49.95	54.00	4.05	145.0	V	349.0	7.0

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11n20_Ch11
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

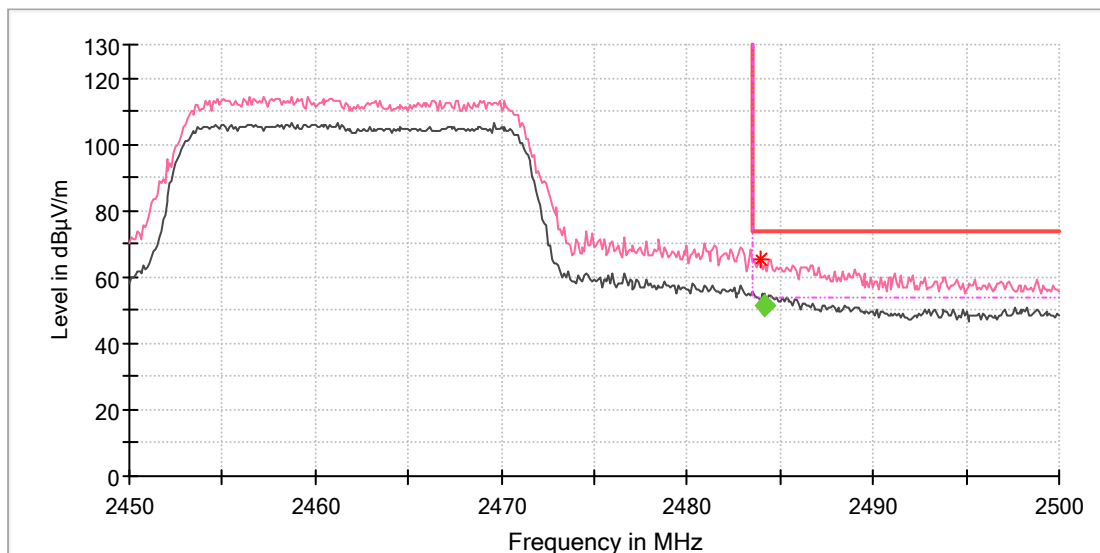
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.800000	57.14	---	74.00	16.86	150.0	H	354.0	7.4
2484.500000	---	45.19	54.00	8.81	150.0	H	354.0	7.4

Final Result

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

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11n20_Ch11
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
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)
2483.900000	65.59	---	74.00	8.41	150.0	V	2.0	7.4

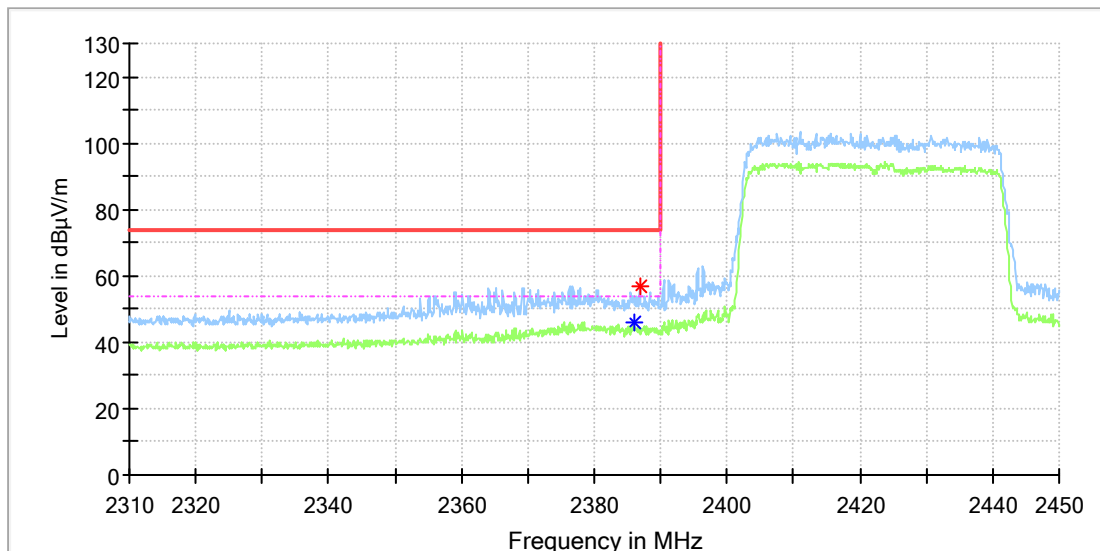
Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.138500	51.59	54.00	2.41	148.0	V	-3.0	7.4

Wi-Fi 802.11 ax(HE40) mode

EUT Information

EUT Name:	OPS-A
Model:	OPS-1A-8R64S
Test Mode:	WIFI 2.4G_11ax40_Ch3
Order No/Sample No:	168417547/A003427527-003
Test Voltage:	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

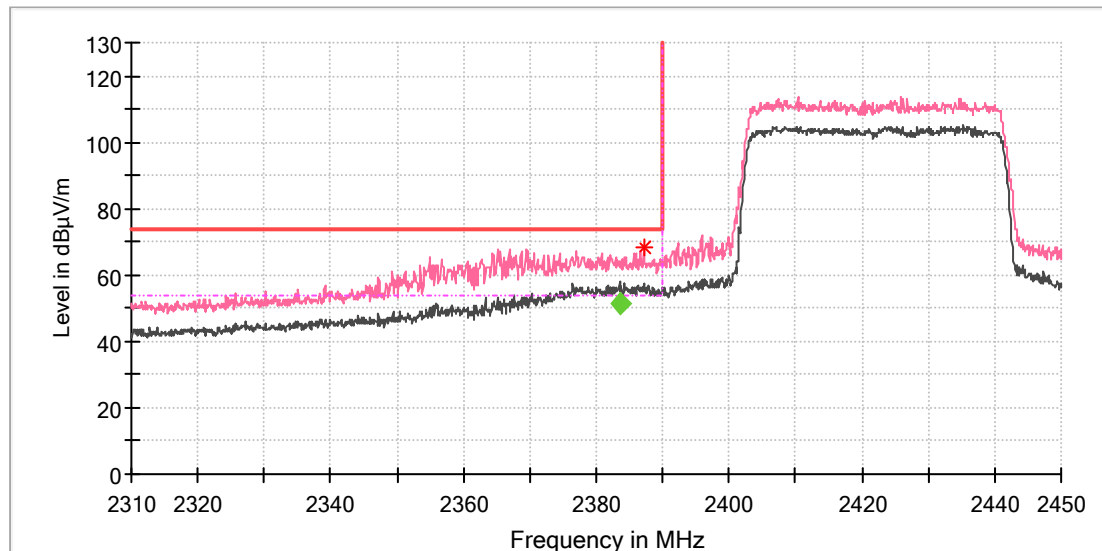
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.900000	---	46.24	54.00	7.76	150.0	H	69.0	7.0
2386.800000	56.96	---	74.00	17.04	150.0	H	106.0	7.0

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: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11ax40_Ch3
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

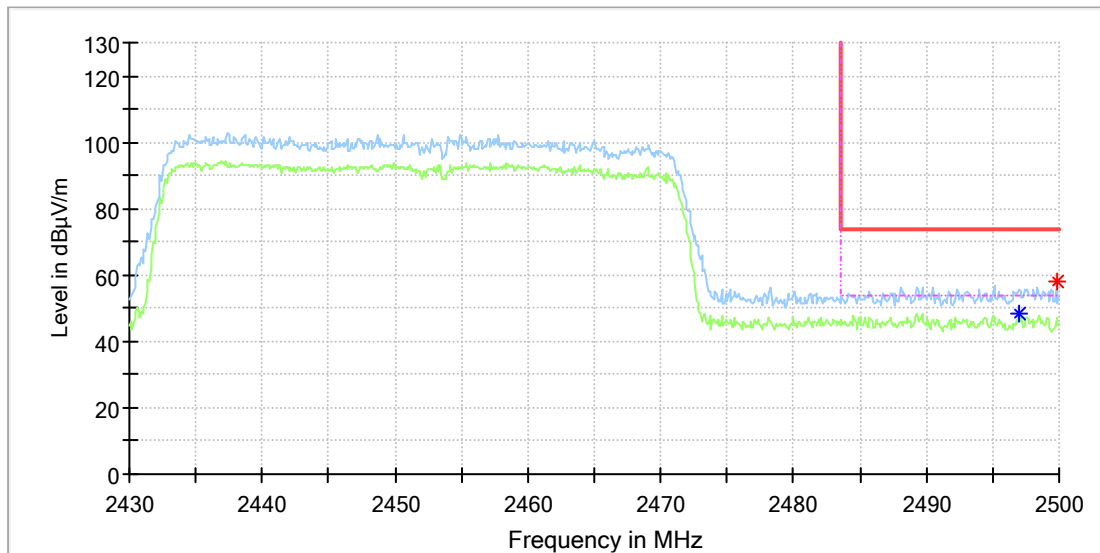
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.100000	68.37	---	74.00	5.63	150.0	V	347.0	7.0

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2383.552350	51.50	54.00	2.50	147.0	V	-5.0	7.0

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11ax40_Ch9
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

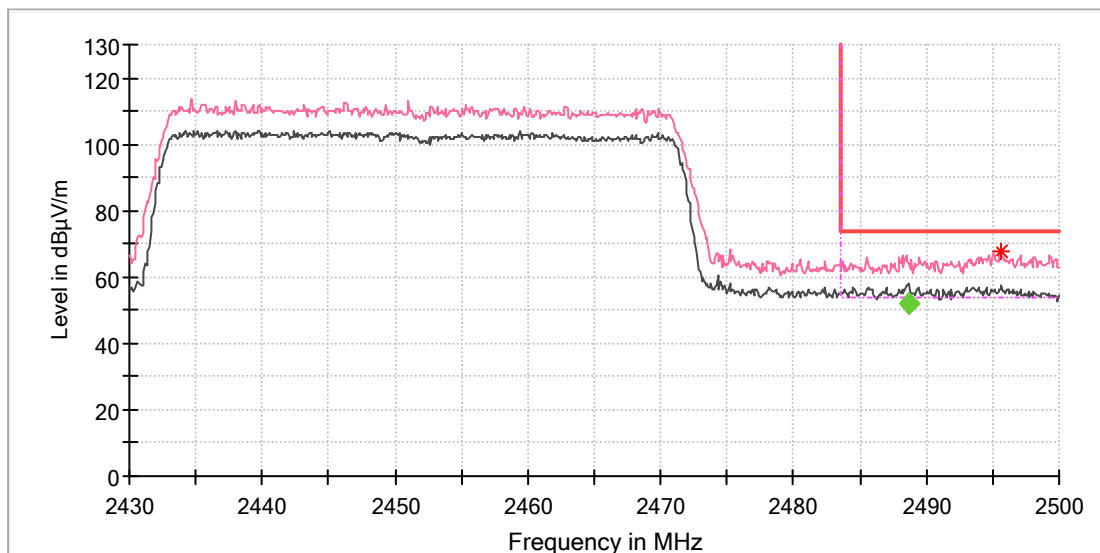
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2497.000000	---	48.27	54.00	5.73	150.0	H	259.0	7.4
2499.800000	58.26	---	74.00	15.74	150.0	H	259.0	7.4

Final Result

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

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: WIFI 2.4G_11ax40_Ch9
Order No/Sample No: 168417547/A003427527-003
Test Voltage: 120V/60Hz
Remark: Temp 23 Humi:56%
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)
2495.600000	67.87	---	74.00	6.13	150.0	V	0.0	7.4

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2488.742000	51.82	54.00	2.18	151.0	V	36.0	7.4

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[illegible]