Appendix B: Test Results of Bluetooth Low Energy

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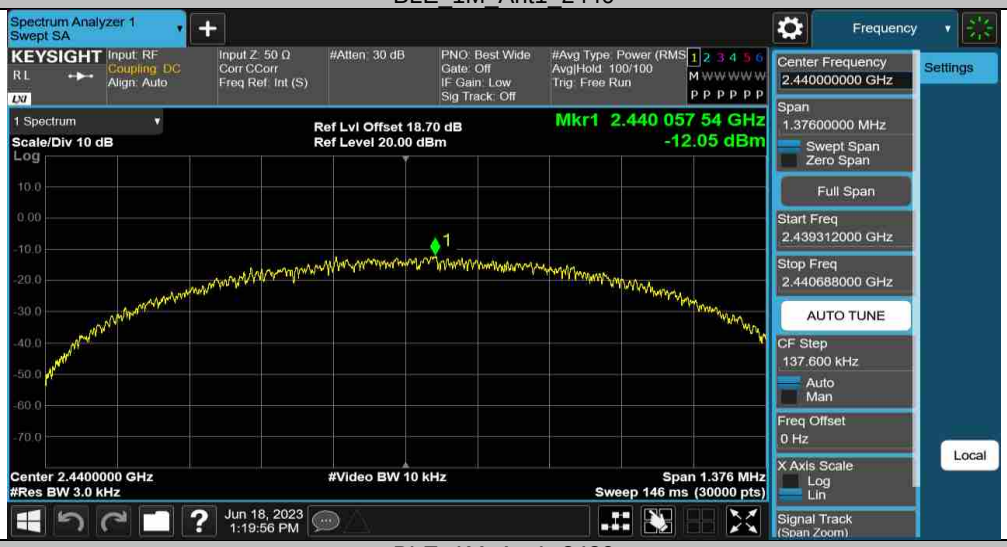
Appendix B.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.96	≤8.00	PASS
		2440	-12.05	≤8.00	PASS
		2480	-12.36	≤8.00	PASS
BLE_2M	Ant1	2402	-14.59	≤8.00	PASS
		2440	-14.45	≤8.00	PASS
		2480	-14.68	≤8.00	PASS

BLE_1M_Ant1_2402

BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

BLE_2M_Ant1_2402

BLE_2M_Ant1_2440

BLE_2M_Ant1_2480

Appendix B.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.696	2402.388	0.5	PASS
		2440	0.688	2439.696	2440.384	0.5	PASS
		2480	0.700	2479.676	2480.376	0.5	PASS
BLE_2M	Ant1	2402	1.256	2401.372	2402.628	0.5	PASS
		2440	1.180	2439.428	2440.608	0.5	PASS
		2480	1.228	2479.392	2480.620	0.5	PASS

BLE_1M_Ant1_2402

BLE_1M_Ant1_2440

BLE_1M_Ant1_2480

BLE_2M_Ant1_2402

BLE_2M_Ant1_2440

BLE_2M_Ant1_2480

Appendix B.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0595	2401.5208	2402.5803	---	PASS
		2440	1.0610	2439.5157	2440.5767	---	PASS
		2480	1.0689	2479.5137	2480.5826	---	PASS
BLE_2M	Ant1	2402	2.0867	2400.9950	2403.0817	---	PASS
		2440	2.0715	2439.0084	2441.0799	---	PASS
		2480	2.0773	2479.0023	2481.0796	---	PASS

BLE_1M_Ant1_2402

BLE_1M_Ant1_2440

BLE_1M_Ant1_2480

BLE_2M_Ant1_2402

BLE_2M_Ant1_2440

BLE_2M_Ant1_2480

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

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.27	-44.15	≤-19.73	PASS
		High	2480	0.14	-45.21	≤-19.36	PASS
BLE_2M	Ant1	Low	2402	-0.68	-32.42	≤-20.68	PASS
		High	2480	-0.69	-45.07	≤-20.69	PASS

BLE_1M_Ant1_Low_2402

BLE_1M_Ant1_High_2480

BLE_2M_Ant1_Low_2402

BLE_2M_Ant1_High_2480

Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.52	-0.52	---	PASS
			30~1000	-0.52	-40.57	≤-20.52	PASS
			1000~26500	-0.52	-31.67	≤-20.52	PASS
		2440	Reference	-0.40	-0.40	---	PASS
			30~1000	-0.40	-40.79	≤-20.4	PASS
			1000~26500	-0.40	-31.34	≤-20.4	PASS
		2480	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-42.24	≤-20.5	PASS
			1000~26500	-0.50	-33.37	≤-20.5	PASS
BLE_2M	Ant1	2402	Reference	-1.53	-1.53	---	PASS
			30~1000	-1.53	-41.54	≤-21.53	PASS
			1000~26500	-1.53	-33.16	≤-21.53	PASS
		2440	Reference	-2.38	-2.38	---	PASS
			30~1000	-2.38	-41.54	≤-22.38	PASS
			1000~26500	-2.38	-32.53	≤-22.38	PASS
		2480	Reference	-2.00	-2.00	---	PASS
			30~1000	-2.00	-40.35	≤-22	PASS
			1000~26500	-2.00	-32.16	≤-22	PASS

BLE_1M_Ant1_2402_0~Reference

BLE_1M_Ant1_2402_30~1000

BLE_1M_Ant1_2402_1000~26500

BLE_1M_Ant1_2440_0~Reference

BLE_1M_Ant1_2440_30~1000

BLE_1M_Ant1_2440_1000~26500

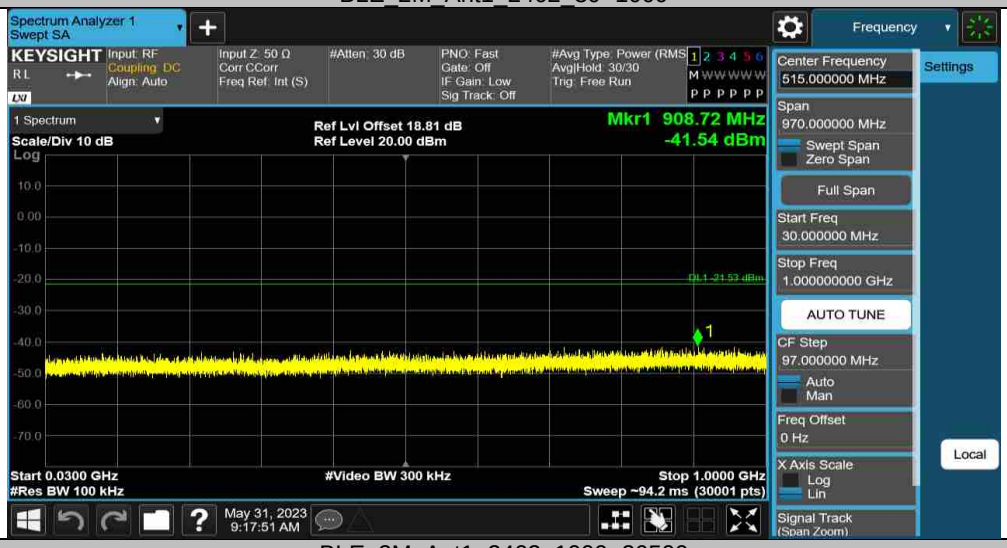
BLE_1M_Ant1_2480_0~Reference

BLE_1M_Ant1_2480_30~1000

BLE_1M_Ant1_2480_1000~26500

BLE_2M_Ant1_2402_0~Reference

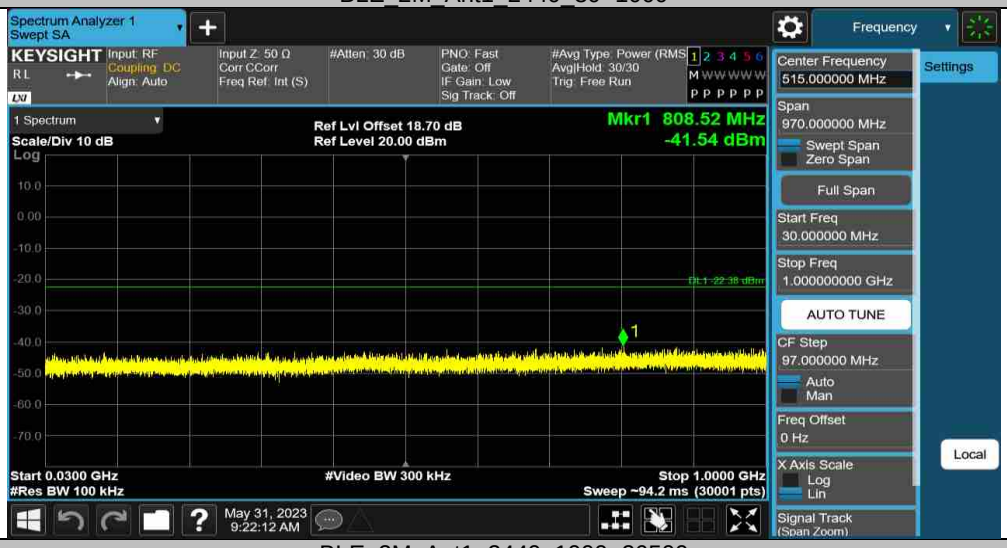
BLE_2M_Ant1_2402_30~1000



BLE_2M_Ant1_2402_1000~26500

BLE_2M_Ant1_2440_0~Reference

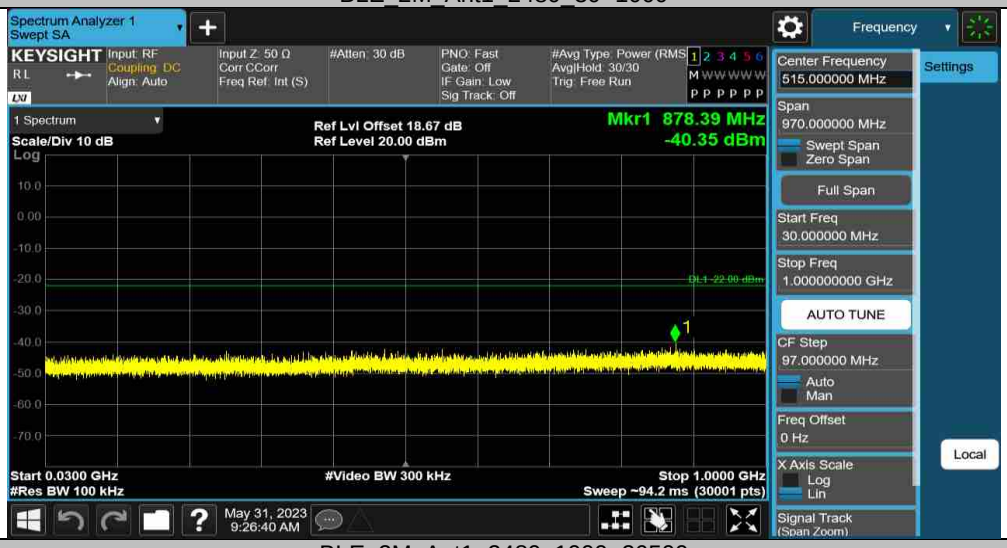
BLE_2M_Ant1_2440_30~1000



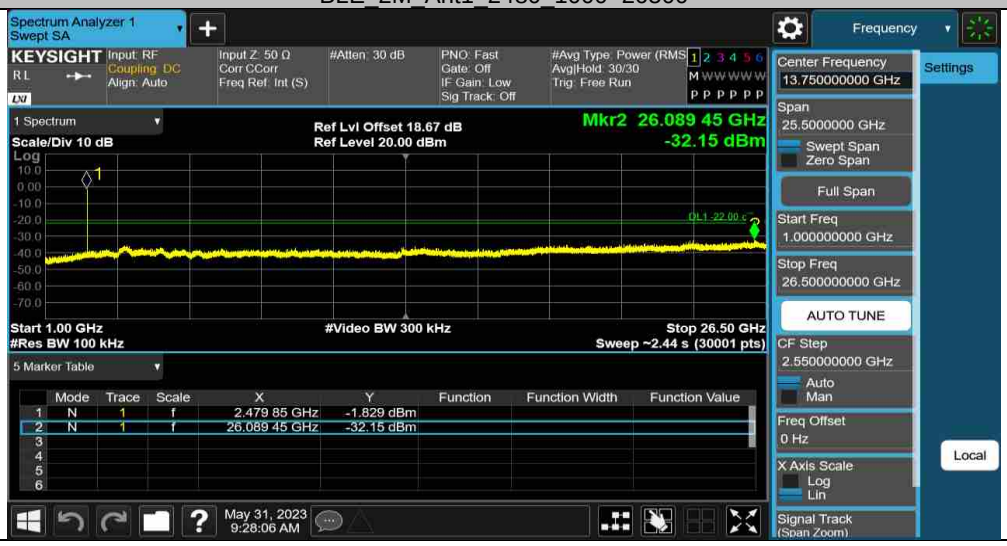
BLE_2M_Ant1_2440_1000~26500

BLE_2M_Ant1_2480_0~Reference

BLE_2M_Ant1_2480_30~1000



BLE_2M_Ant1_2480_1000~26500



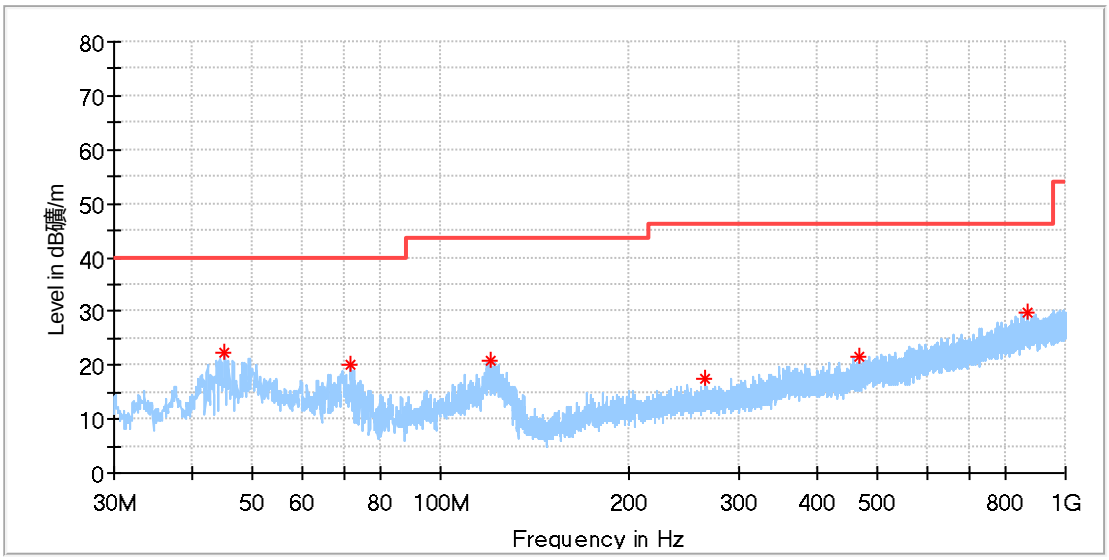
Appendix B.5: Test Results of Radiated Spurious Emissions

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.

30 MHz - 1GHz

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

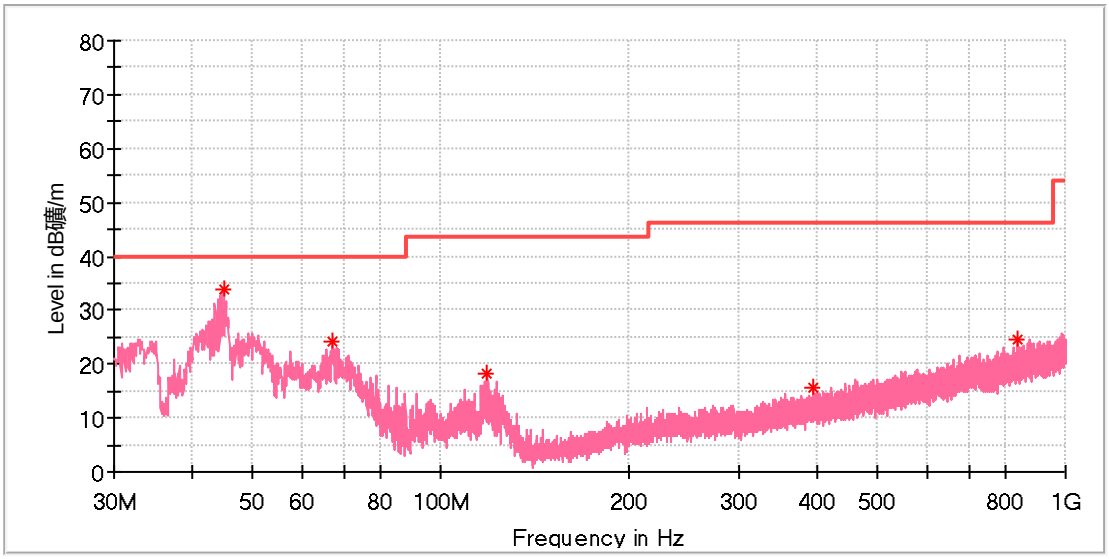
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.132000	22.49	40.00	17.51	100.0	H	76.0	-18.8
71.807000	20.05	40.00	19.95	100.0	H	256.0	-22.4
119.822000	20.97	43.50	22.53	100.0	H	243.0	-20.8
264.400500	17.37	46.00	28.63	100.0	H	324.0	-17.0
469.216000	21.69	46.00	24.31	100.0	H	202.0	-12.4
871.572000	29.82	46.00	16.18	100.0	H	119.0	-5.2

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-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168426958/A003490153-001
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)
44.885769	33.71	40.00	6.29	100.0	V	356.0	-19.2
67.158462	24.32	40.00	15.69	100.0	V	168.0	-21.2
118.792308	18.19	43.50	25.31	100.0	V	196.0	-20.8
393.153077	15.46	46.00	30.54	100.0	V	152.0	-14.3
835.995385	24.58	46.00	21.42	100.0	V	263.0	-6.1

Final_Result

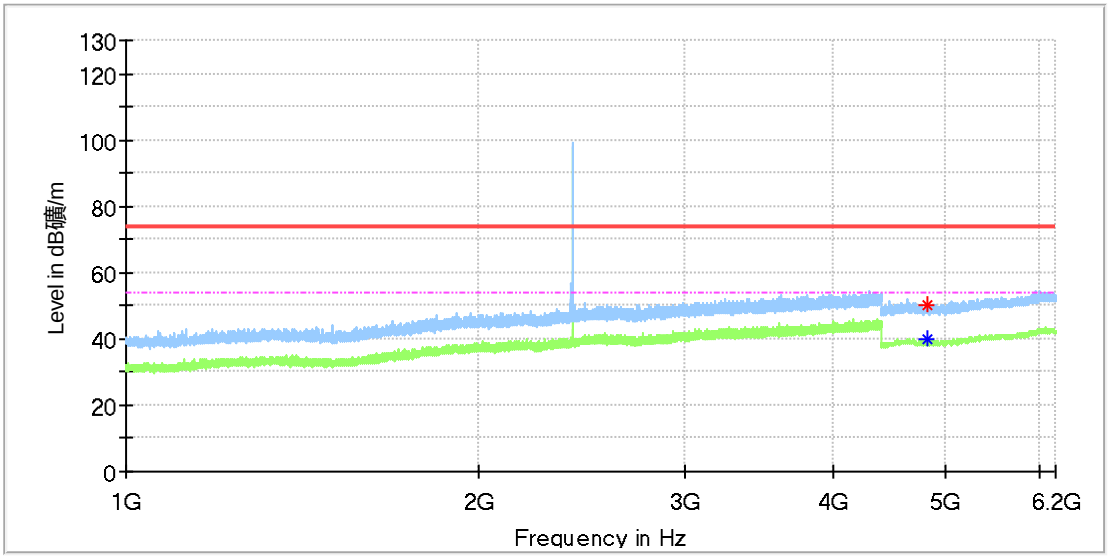
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

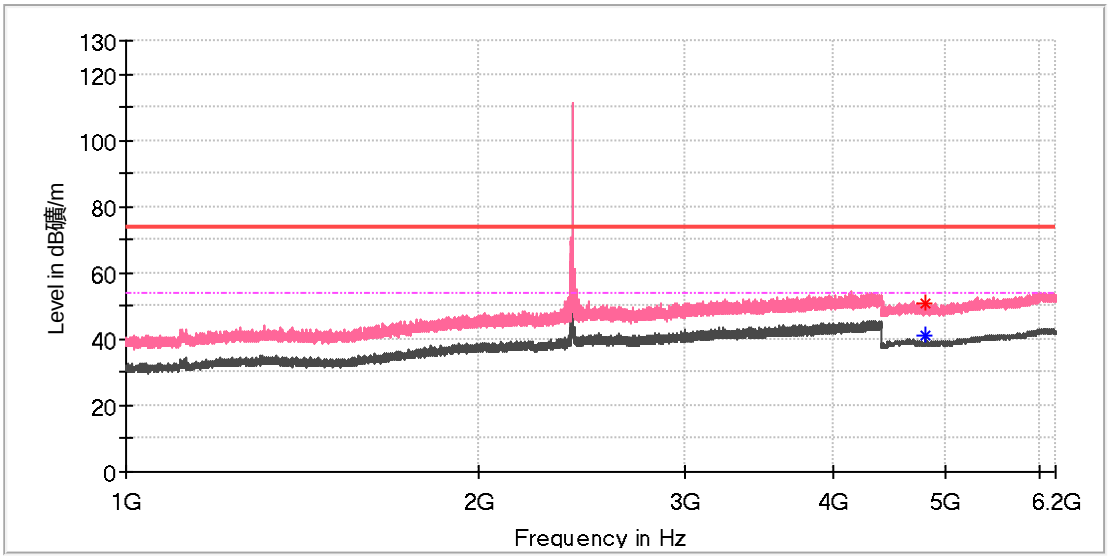
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4815.500000	---	39.71	54.00	14.29	150.0	H	143.0	11.8
4818.500000	49.99	---	74.00	24.01	150.0	H	143.0	11.8

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

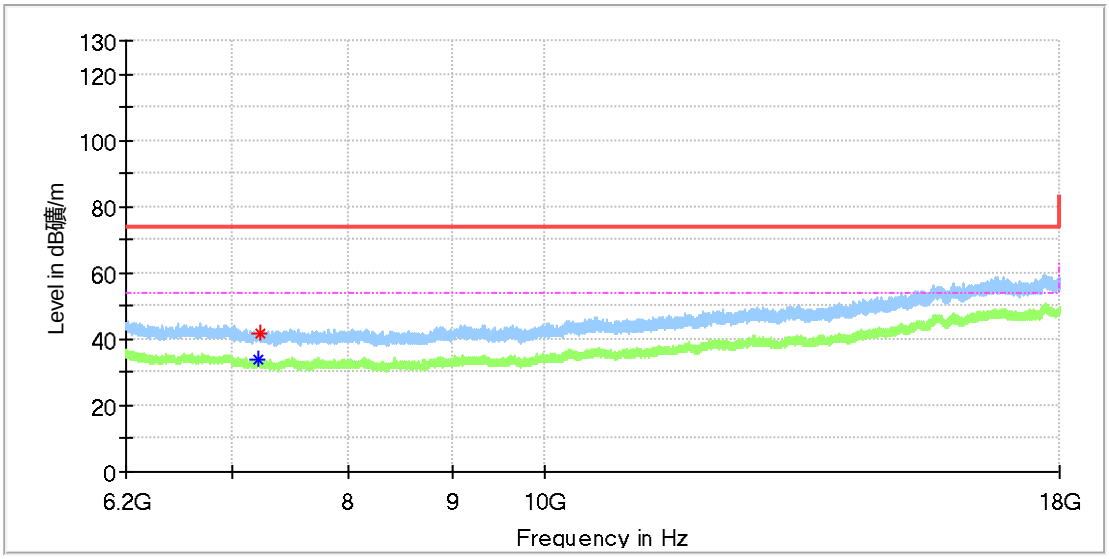
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	---	41.24	54.00	12.76	150.0	V	242.0	11.8
4806.000000	50.57	---	74.00	23.43	150.0	V	75.0	11.8

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

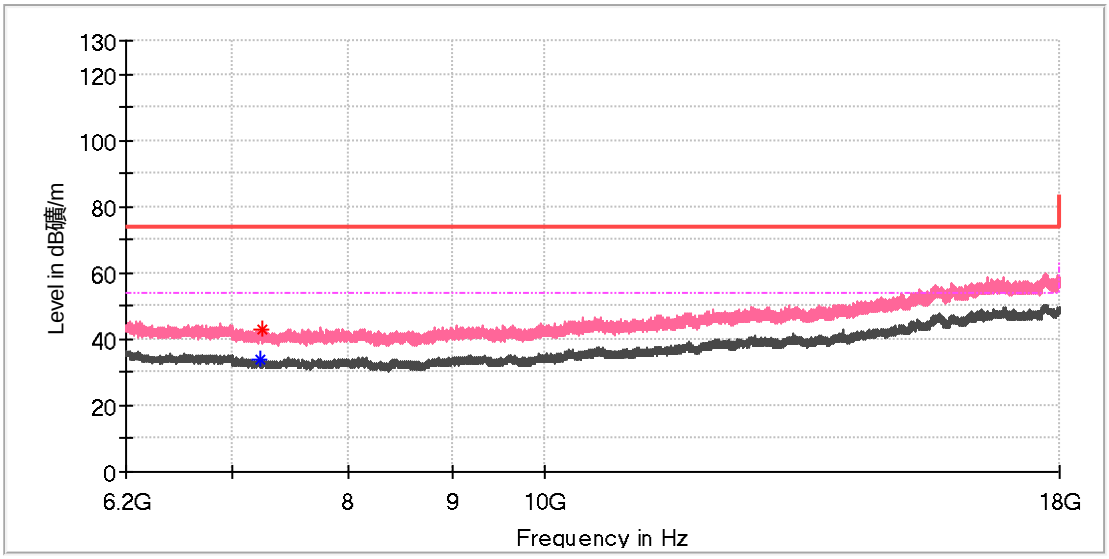
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7217.258333	---	33.64	54.00	20.36	150.0	H	132.0	8.7
7232.008333	41.92	---	74.00	32.08	150.0	H	21.0	8.6

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

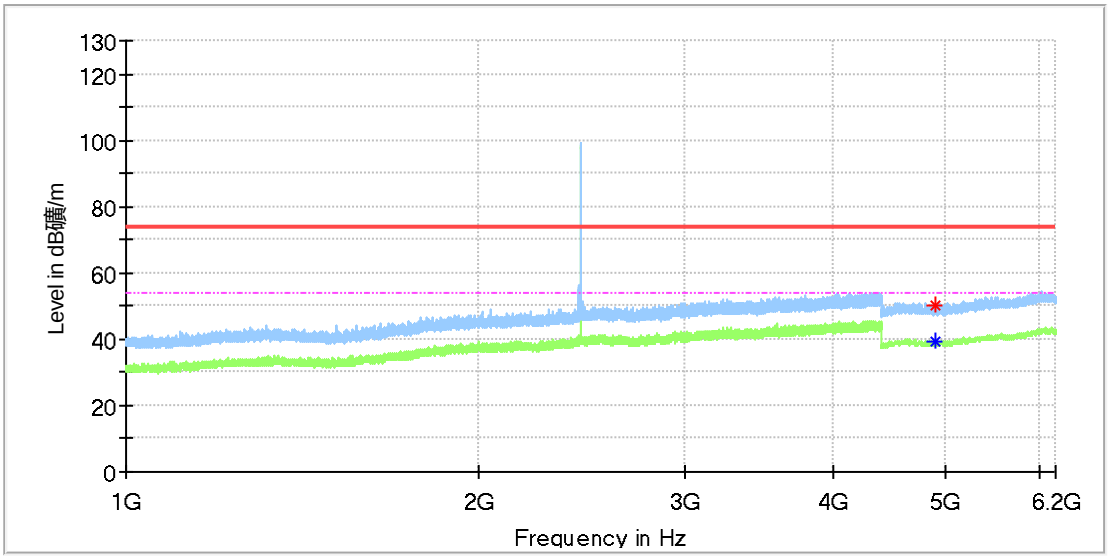
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7220.700000	---	33.86	54.00	20.14	150.0	V	227.0	8.7
7239.875000	42.82	---	74.00	31.18	150.0	V	287.0	8.6

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

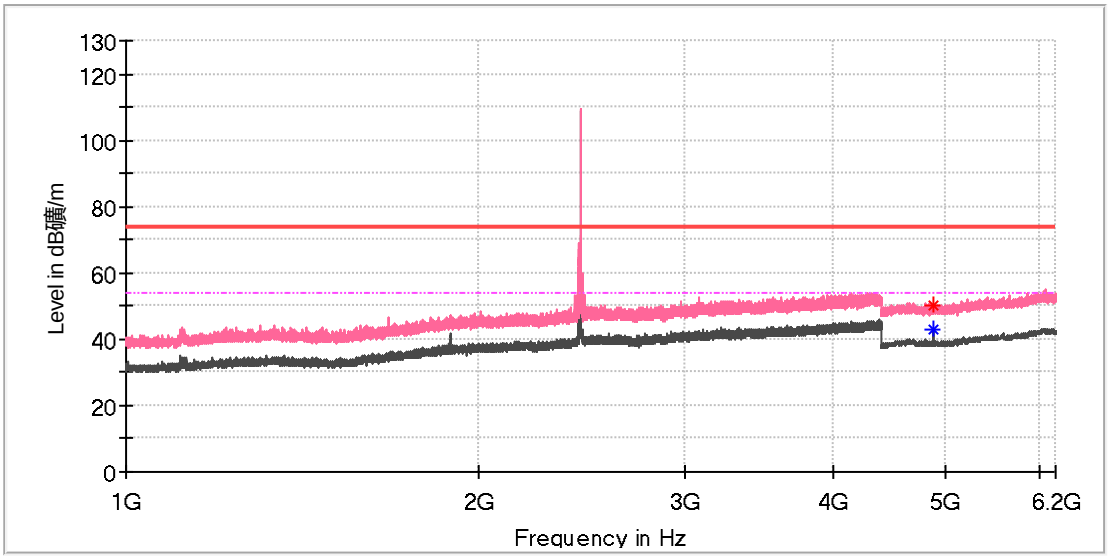
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4899.000000	---	39.38	54.00	14.62	150.0	H	282.0	11.8
4900.500000	50.49	---	74.00	23.51	150.0	H	8.0	11.8

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

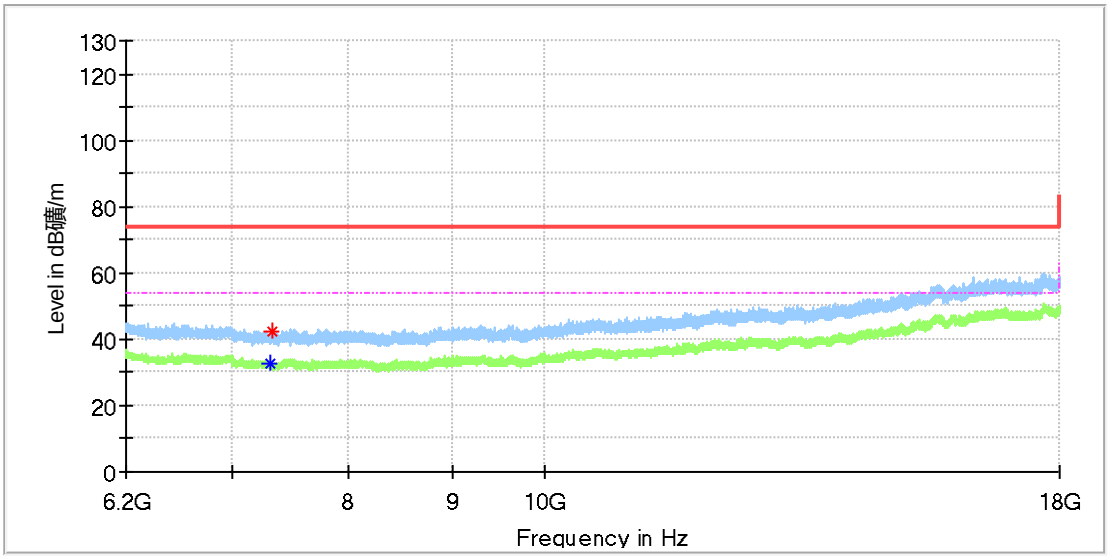
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.500000	---	42.95	54.00	11.05	150.0	V	224.0	11.8
4880.000000	50.35	---	74.00	23.66	150.0	V	230.0	11.8

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

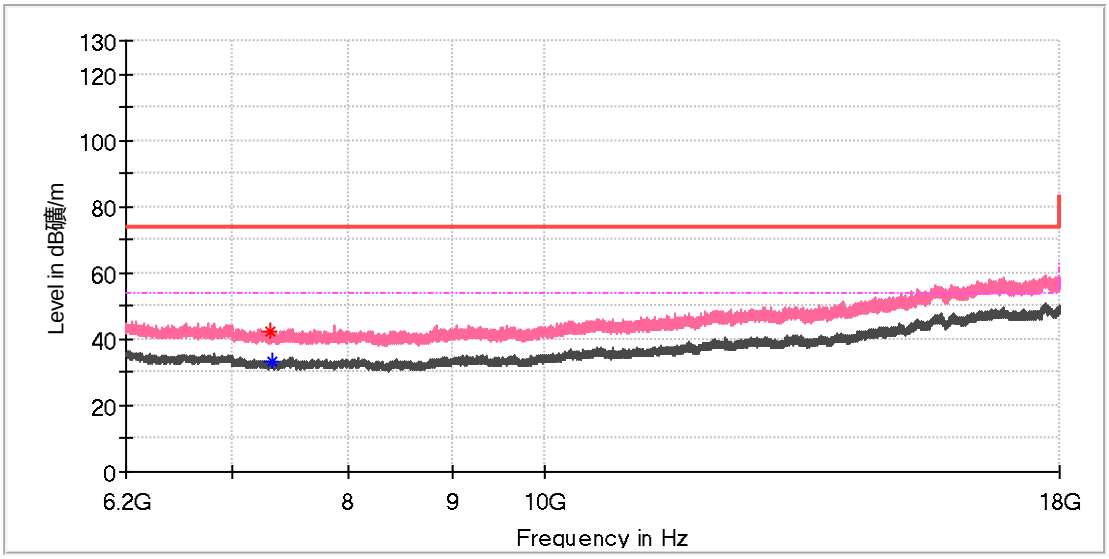
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7314.116667	---	32.74	54.00	21.26	150.0	H	15.0	8.2
7324.441667	42.27	---	74.00	31.73	150.0	H	173.0	8.2

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

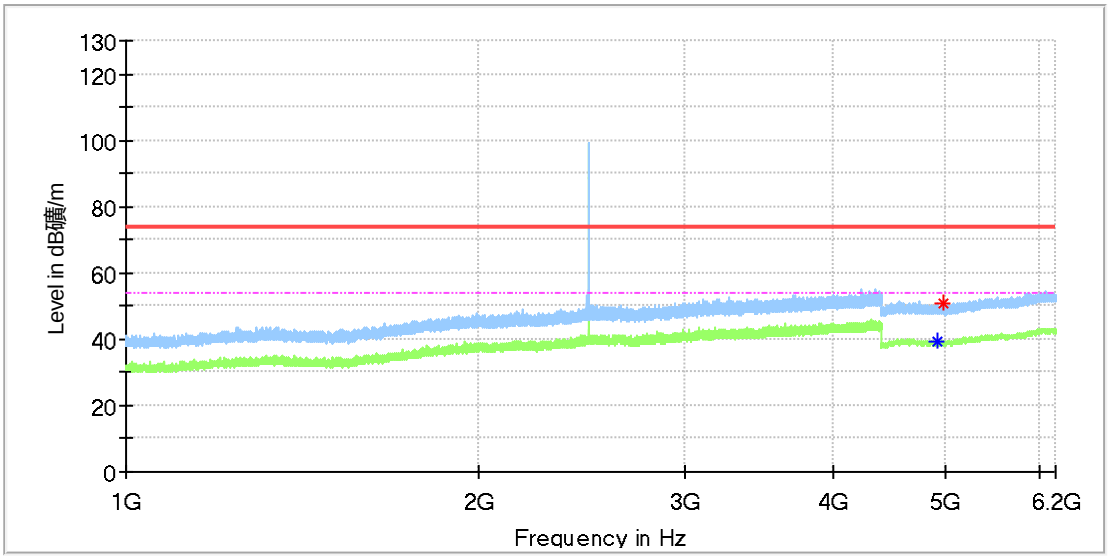
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7306.741667	42.33	---	74.00	31.67	150.0	V	307.0	8.3
7324.933333	---	33.55	54.00	20.45	150.0	V	318.0	8.2

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

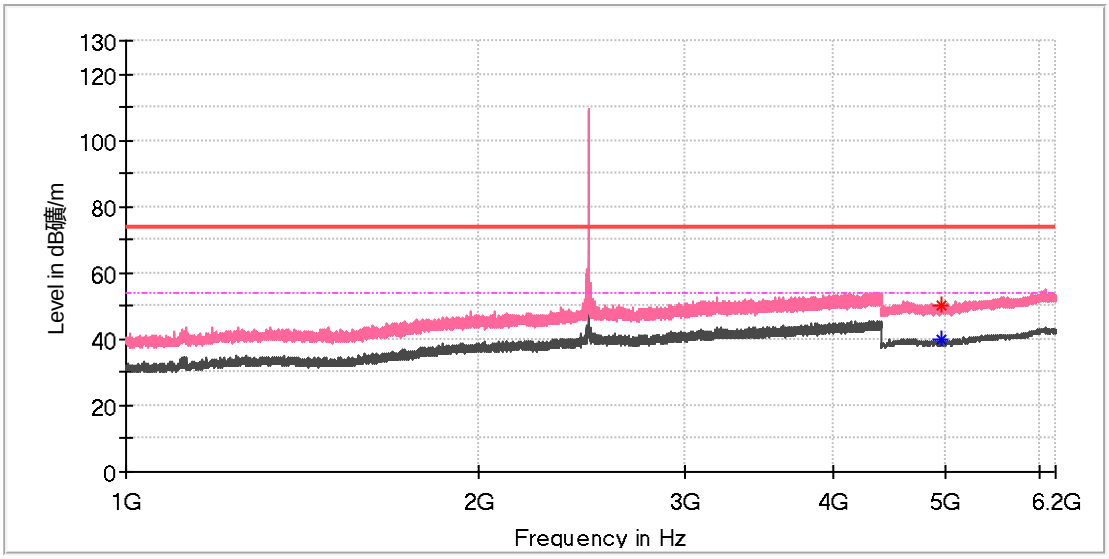
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4918.500000	---	39.31	54.00	14.69	150.0	H	71.0	11.8
4969.000000	51.03	---	74.00	22.97	150.0	H	32.0	11.8

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

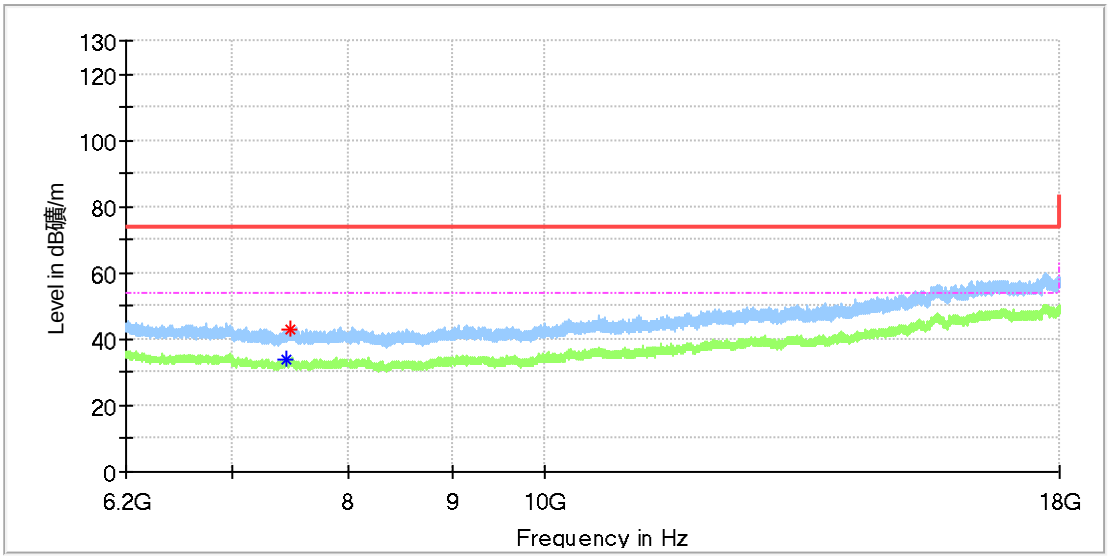
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	---	39.88	54.00	14.12	150.0	V	191.0	11.8
4964.500000	50.38	---	74.00	23.62	150.0	V	22.0	11.8

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

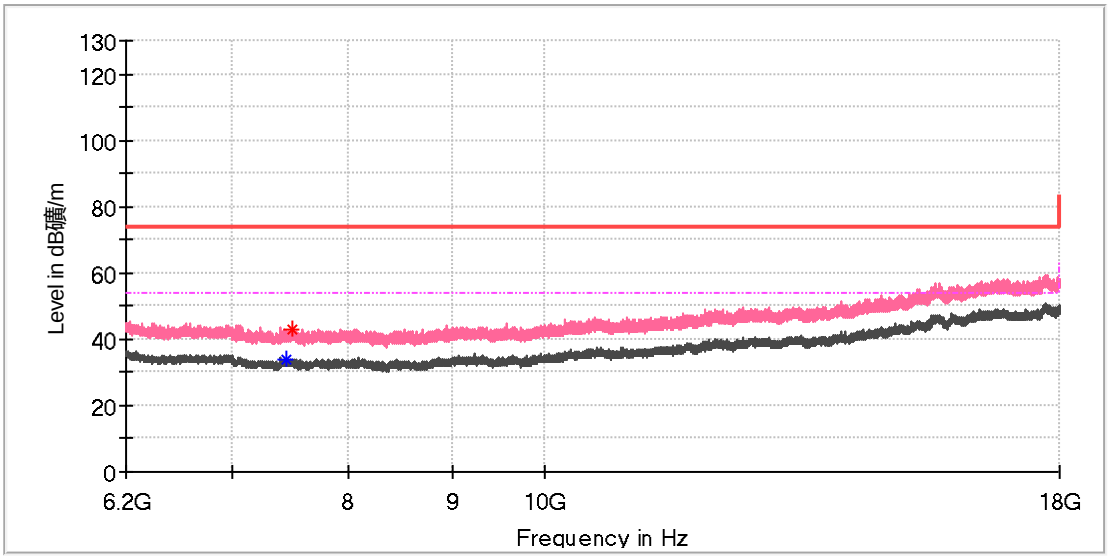
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7437.525000	---	33.83	54.00	20.17	150.0	H	135.0	8.4
7474.891667	43.18	---	74.00	30.82	150.0	H	260.0	8.6

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168426958/A003490153-001
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 (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7452.766667	---	33.78	54.00	20.22	150.0	V	5.0	8.5
7490.625000	43.07	---	74.00	30.93	150.0	V	0.0	8.7

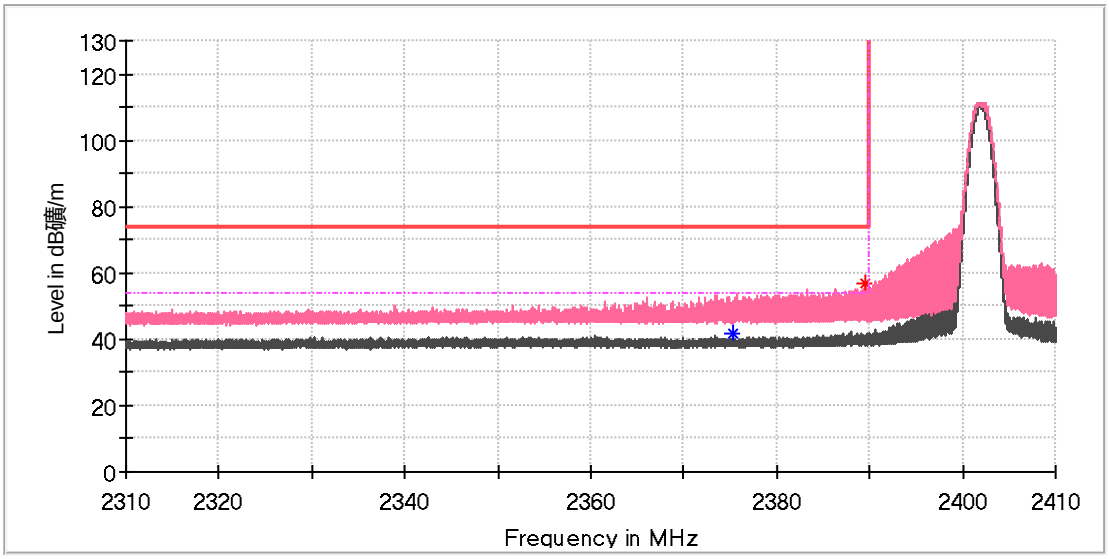
Final_Result

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

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

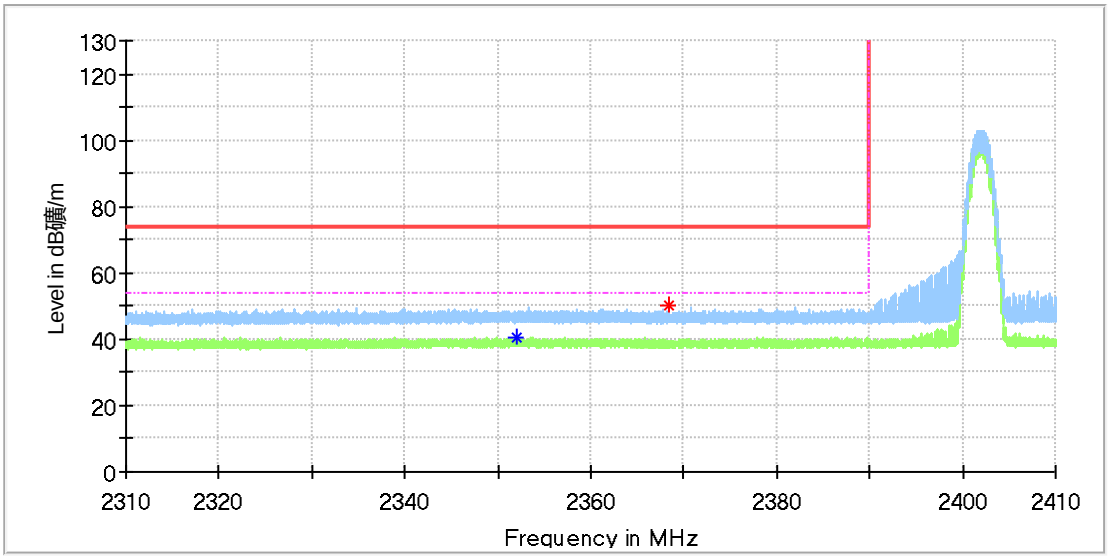
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2375.370000	---	41.86	54.00	12.14	150.0	V	343.0	6.9
2389.600000	56.59	---	74.00	17.41	150.0	V	304.0	7.0

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

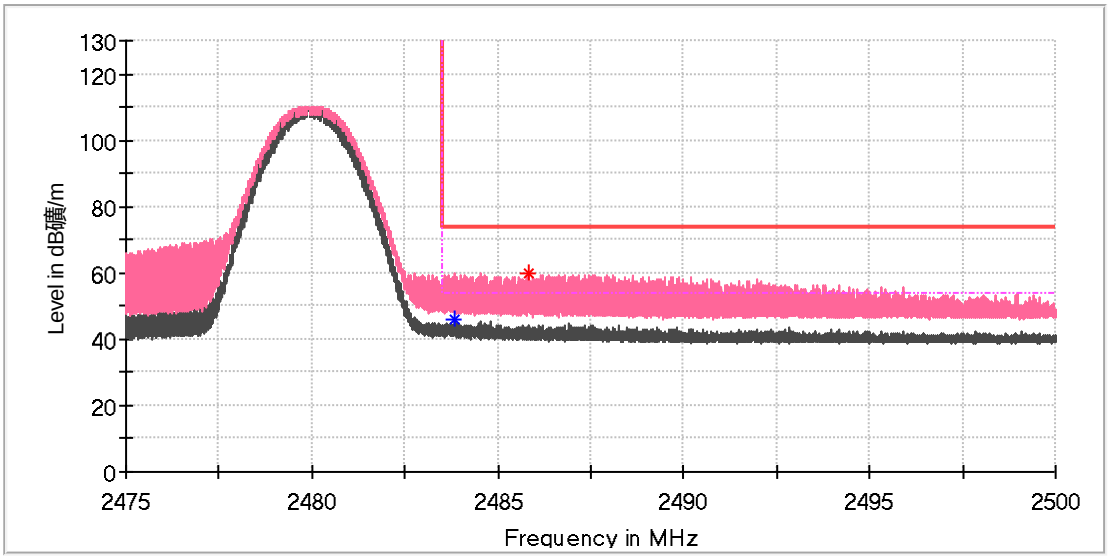
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2351.960000	---	40.81	54.00	13.19	150.0	H	0.0	6.9
2368.435000	50.24	---	74.00	23.76	150.0	H	4.0	6.9

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168426958/A003490153-001
Test Voltage::	120V/60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

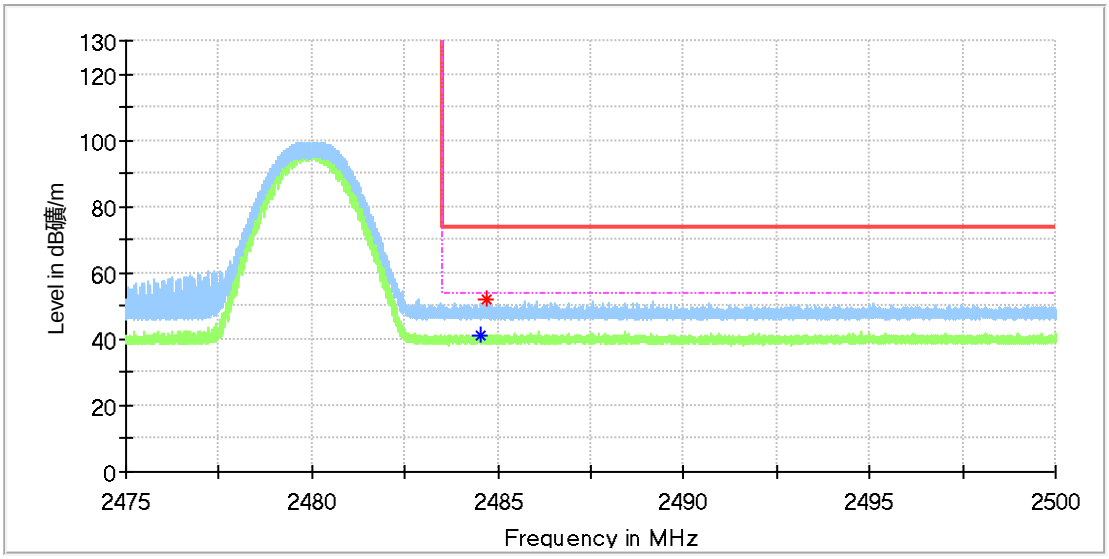
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.811250	---	45.73	54.00	8.27	150.0	V	324.0	7.4
2485.841250	59.86	---	74.00	14.14	150.0	V	335.0	7.4

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168426958/A003490153-001
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 (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.525000	---	41.37	54.00	12.63	150.0	H	316.0	7.4
2484.697500	51.71	---	74.00	22.29	150.0	H	135.0	7.4

Final_Result

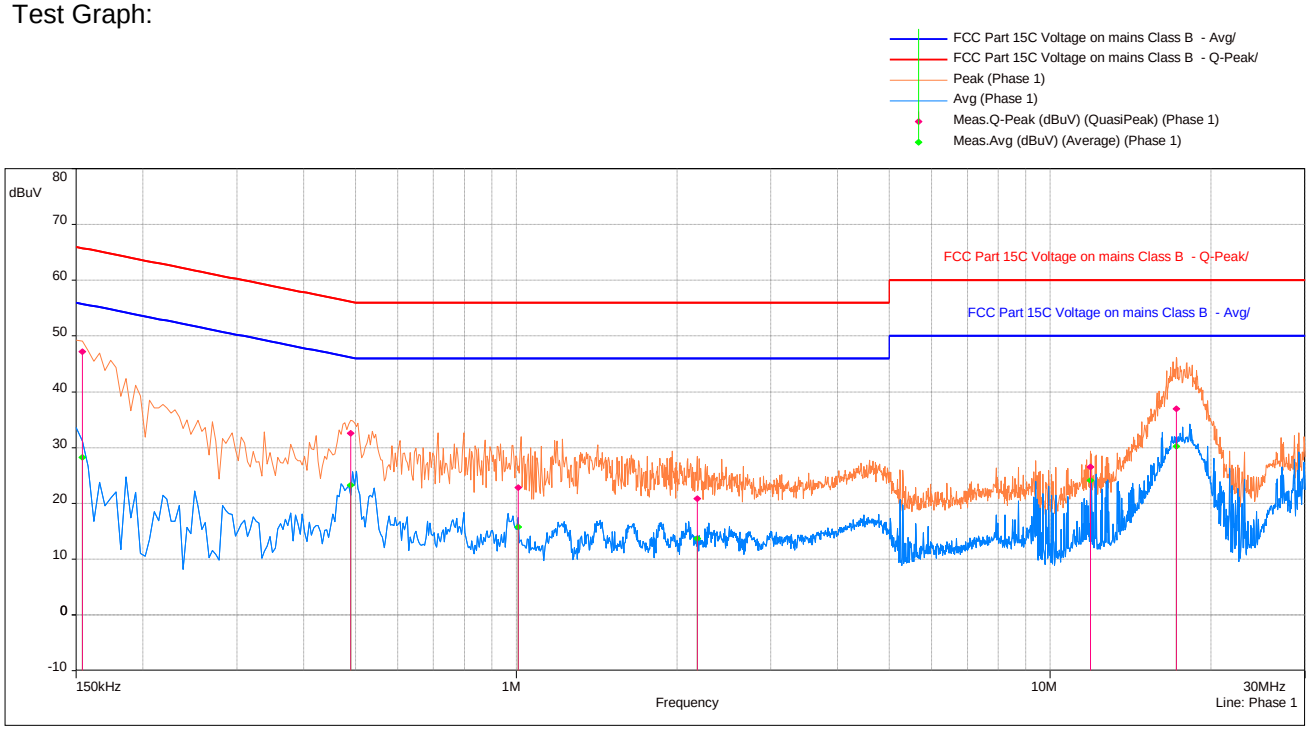
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

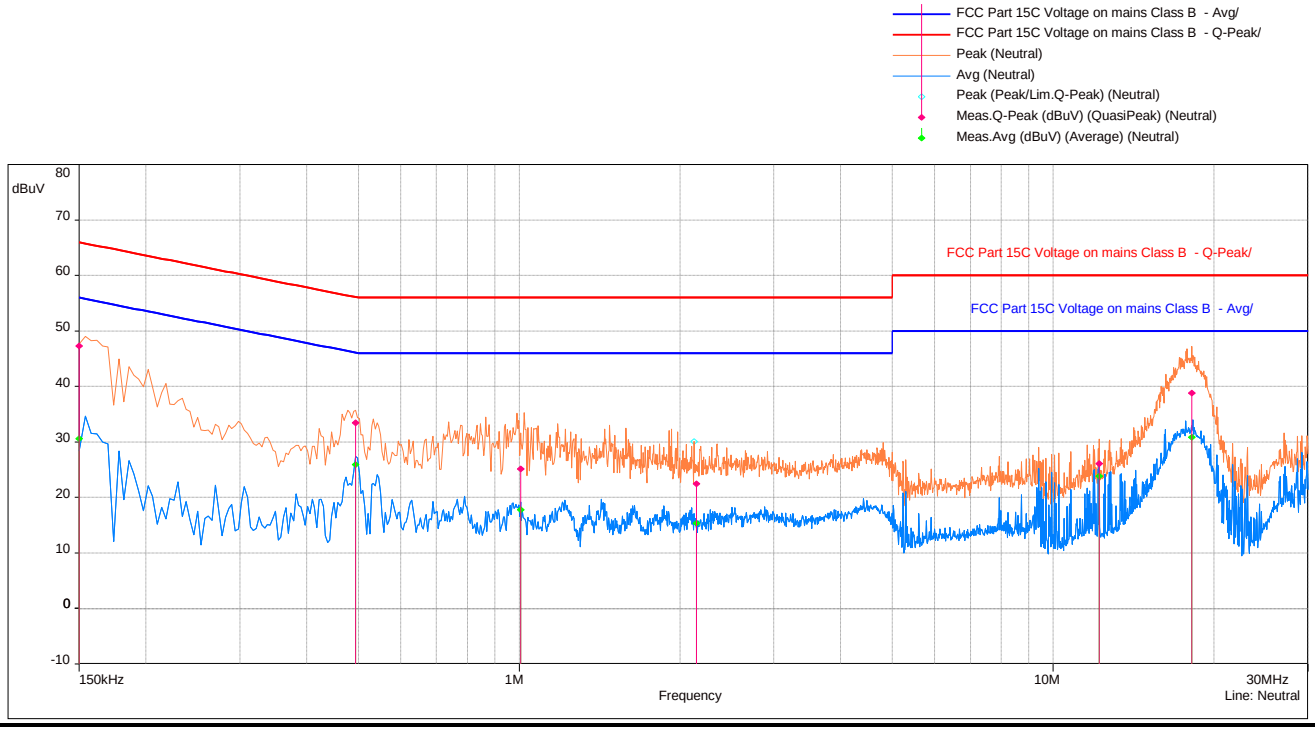
Appendix B.7: Test Results of Conducted Emission

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	Normal Operating with Wi-Fi and Bluetooth Connected
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15.207
Test By:/Review By:	Jason Wu/Jacky chen
Tem./Hum./Pressure:	22°C/55%/101kPa

Test Graph:





Average (12)

Frequency (MHz)	SR	Meas.Avg (dBuV)	Limit (dBuV)	Meas.-Lim (dB)	Line	RBW	Meas.Time	Comments	Correction (dB)
0.15	1	30.55	56.00	-25.45	Neutral	9k	0.01	Pass	9.67
0.496	1	25.95	46.10	-20.15	Neutral	9k	0.01	Pass	9.79
1.00625	1	17.75	46.00	-28.25	Neutral	9k	0.01	Pass	9.83
2.1485	1	15.37	46.00	-30.63	Neutral	9k	0.01	Pass	9.88
12.20025	1	23.81	50.00	-26.19	Neutral	9k	0.01	Pass	10.11
18.1865	1	30.85	50.00	-19.15	Neutral	9k	0.01	Pass	10.26
0.15225	2	28.25	55.78	-27.53	Phase 1	9k	0.01	Pass	9.69
0.49	2	23.29	46.17	-22.88	Phase 1	9k	0.01	Pass	9.69
1.01075	2	15.75	46.00	-30.25	Phase 1	9k	0.01	Pass	9.70
2.1815	2	13.67	46.00	-32.33	Phase 1	9k	0.01	Pass	9.73
11.894	2	24.07	50.00	-25.93	Phase 1	9k	0.01	Pass	9.94
17.24625	2	30.24	50.00	-19.76	Phase 1	9k	0.01	Pass	10.12

QuasiPeak (12)

Frequency (MHz)	SR	Meas.Q-Peak (dBuV)	Limit (dBuV)	Meas.-Lim (dB)	Line	RBW	Meas.Time	Comments	Correction (dB)
0.15	1	47.29	66.00	-18.71	Neutral	9k	0.01	Pass	9.67
0.496	1	33.46	56.10	-22.64	Neutral	9k	0.01	Pass	9.79
1.00625	1	25.16	56.00	-30.84	Neutral	9k	0.01	Pass	9.83
2.1485	1	22.44	56.00	-33.56	Neutral	9k	0.01	Pass	9.88
12.20025	1	26.08	60.00	-33.92	Neutral	9k	0.01	Pass	10.11
18.1865	1	38.80	60.00	-21.20	Neutral	9k	0.01	Pass	10.26
0.15225	2	47.17	65.78	-18.61	Phase 1	9k	0.01	Pass	9.69
0.49	2	32.57	56.17	-23.60	Phase 1	9k	0.01	Pass	9.69
1.01075	2	22.85	56.00	-33.15	Phase 1	9k	0.01	Pass	9.70
2.1815	2	20.86	56.00	-35.14	Phase 1	9k	0.01	Pass	9.73
11.894	2	26.50	60.00	-33.50	Phase 1	9k	0.01	Pass	9.94
17.24625	2	36.94	60.00	-23.06	Phase 1	9k	0.01	Pass	10.12

Start Frequency	Stop Frequency	Frequency step	RBW	Sweep Time	Position
150kHz	30MHz	4kHz	9kHz	10 ms	Neutral
150kHz	30MHz	4kHz	9kHz	10 ms	Phase 1