Appendix A: Test Results of Bluetooth BR & EDR mode

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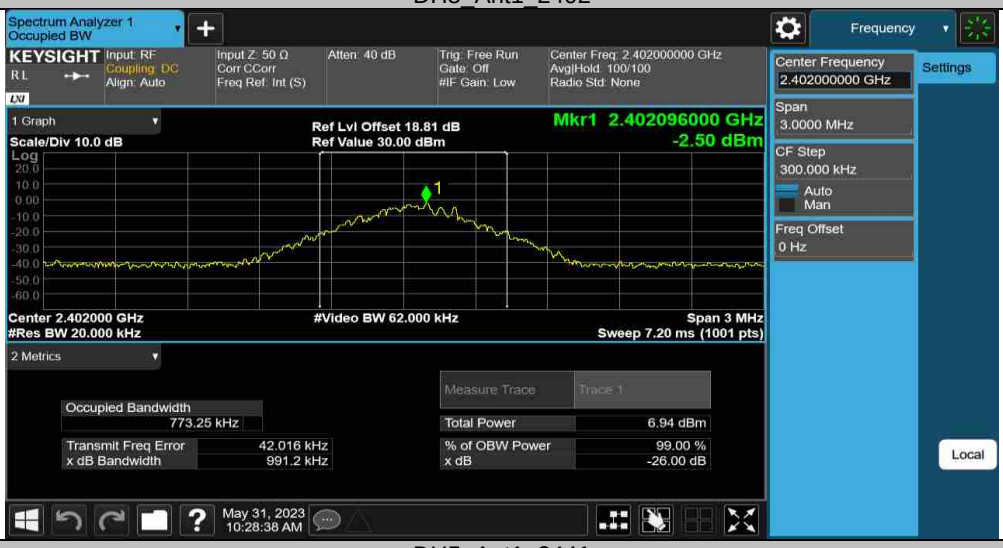
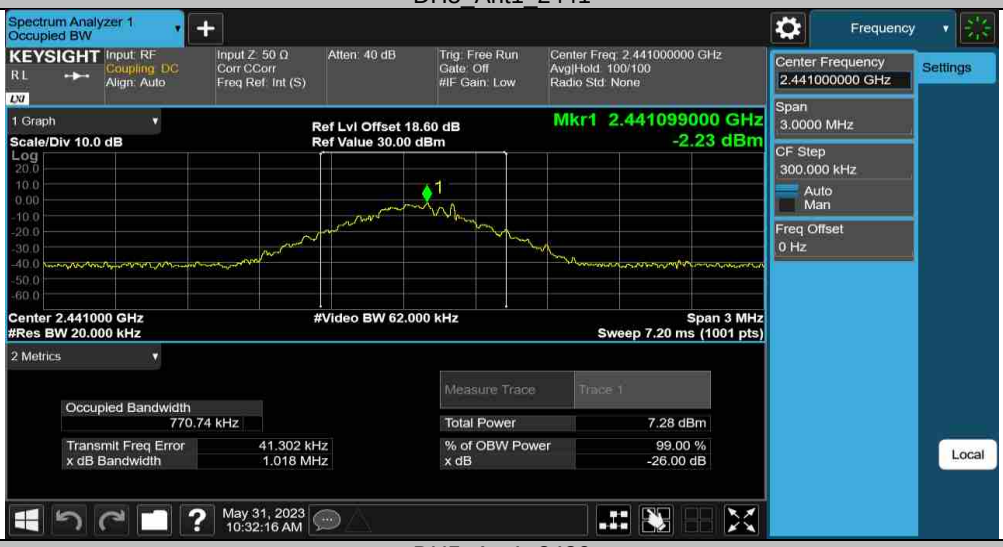
Appendix A.1: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.77325	2401.6554	2402.4286	---	PASS
		2441	0.77074	2440.6559	2441.4267	---	PASS
		2480	0.75952	2479.6642	2480.4238	---	PASS
3DH5	Ant1	2402	1.1973	2401.4340	2402.6313	---	PASS
		2441	1.1955	2440.4377	2441.6332	---	PASS
		2480	1.1954	2479.4365	2480.6319	---	PASS

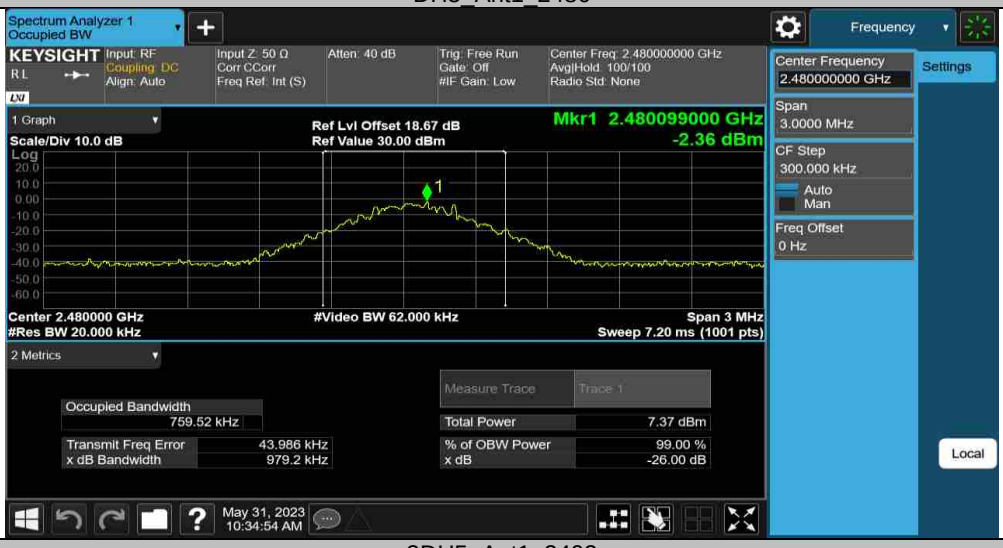
DH5_Ant1_2402



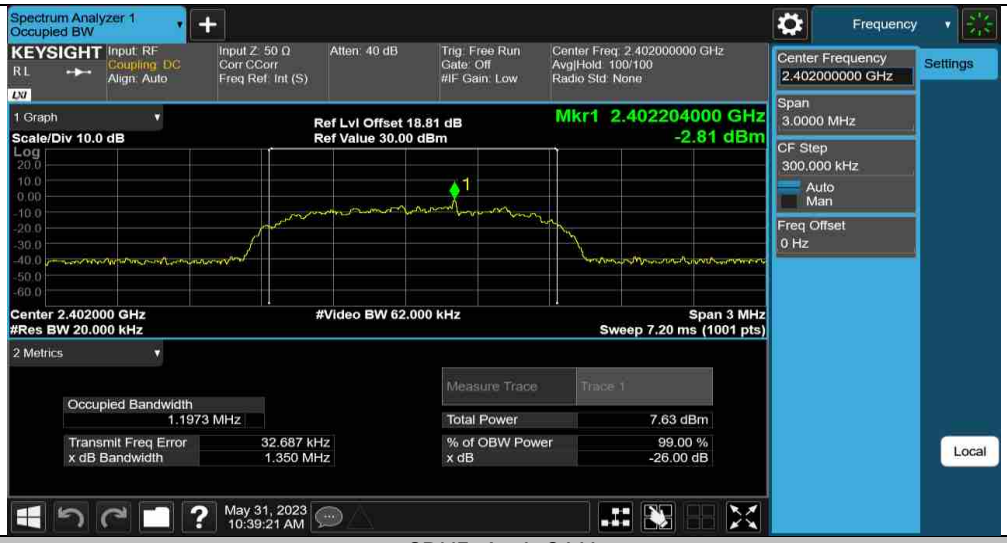
DH5_Ant1_2441



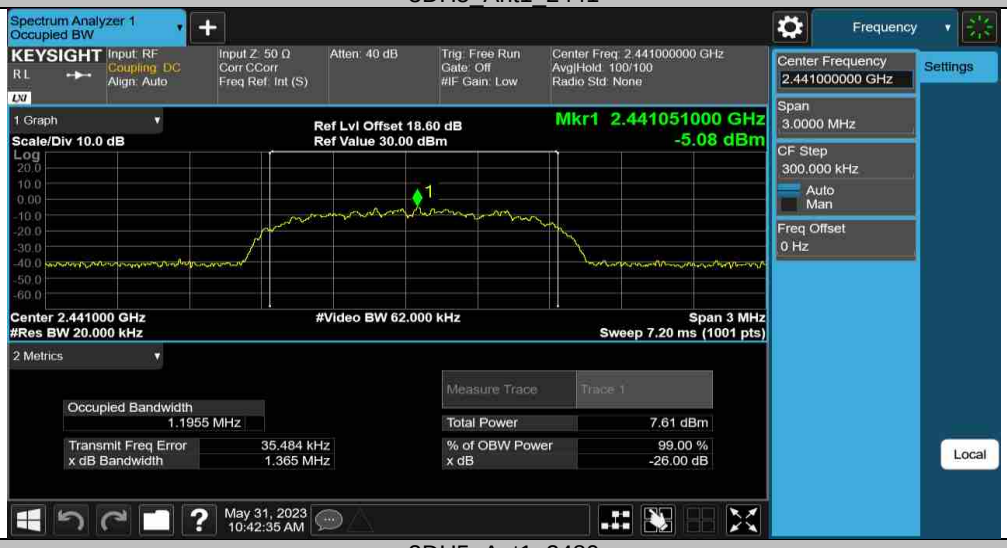
DH5_Ant1_2480



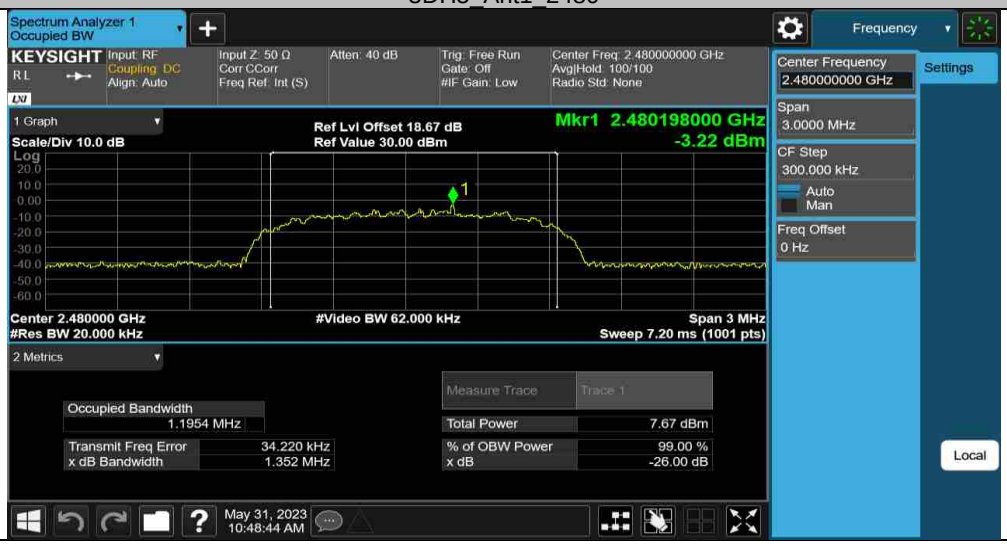
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix A.2: Test Results of 20dB Bandwidth

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.804	2401.637	2402.441	---	PASS
		2441	0.852	2440.592	2441.444	---	PASS
		2480	0.849	2479.595	2480.444	---	PASS
3DH5	Ant1	2402	1.305	2401.385	2402.690	---	PASS
		2441	1.329	2440.373	2441.702	---	PASS
		2480	1.290	2479.388	2480.678	---	PASS

DH5_Ant1_2402

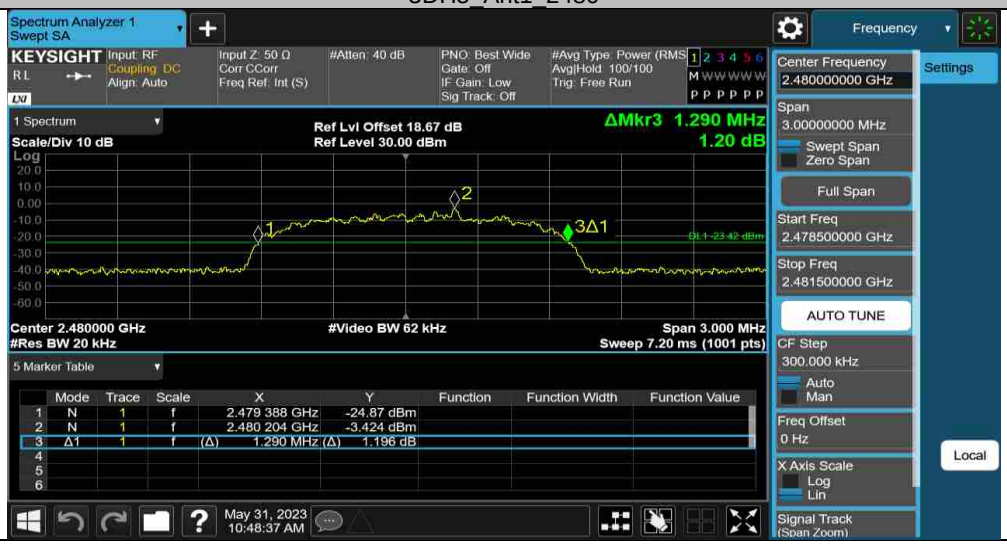
DH5_Ant1_2441

DH5_Ant1_2480

3DH5_Ant1_2402

3DH5_Ant1_2441

3DH5_Ant1_2480



Appendix A.3: Test Results of Carrier Frequency Separation

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.846	≥0.568	PASS
3DH5	Ant1	Hop	1.206	≥0.886	PASS

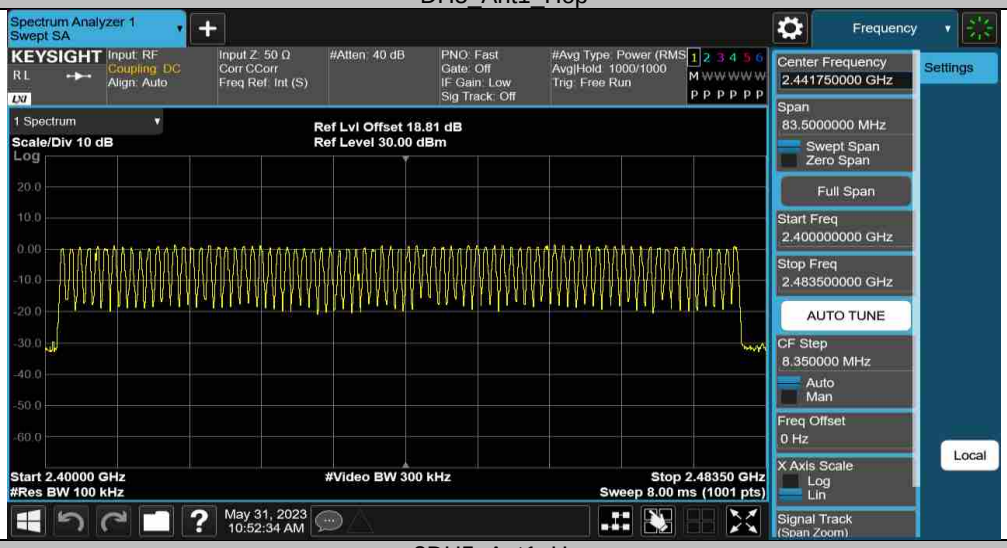
DH5_Ant1_Hop

3DH5_Ant1_Hop

Appendix A.4: Test Results of Number of Hopping Frequency

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

DH5_Ant1_Hop

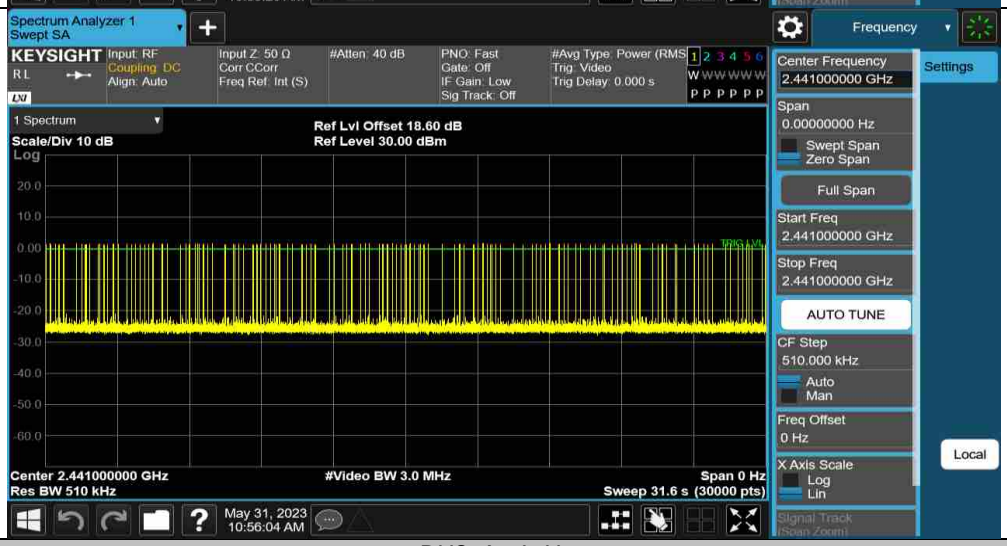


3DH5_Ant1_Hop

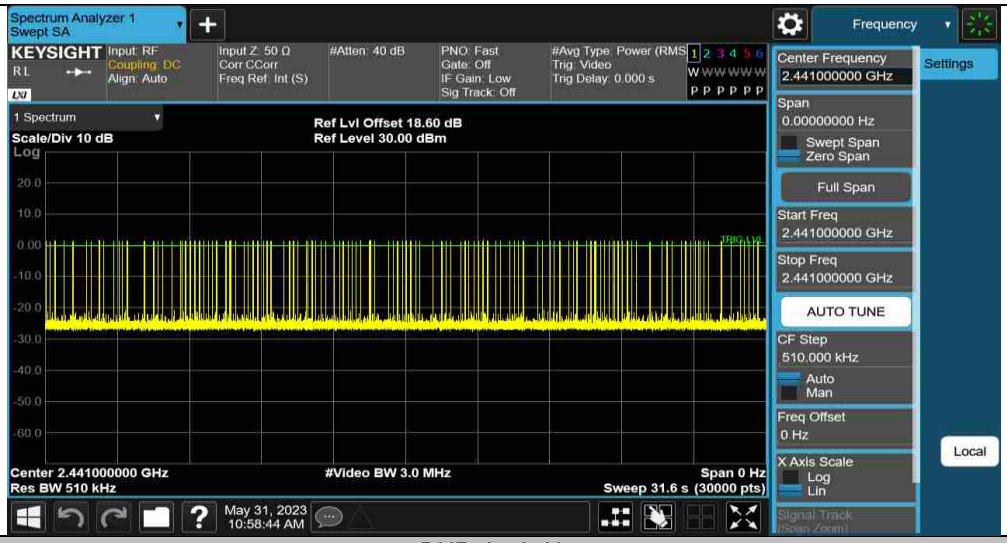
Appendix A.5: Test Results of Time of Occupancy

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	-1.763	158	-0.279	≤0.4	PASS
DH3	Ant1	Hop	-1.720	164	-0.282	≤0.4	PASS
DH5	Ant1	Hop	-1.150	80	-0.092	≤0.4	PASS
3DH1	Ant1	Hop	0.381	166	0.063	≤0.4	PASS
3DH3	Ant1	Hop	-0.880	163	-0.143	≤0.4	PASS
3DH5	Ant1	Hop	-1.364	85	-0.116	≤0.4	PASS

DH1_Ant1_Hop



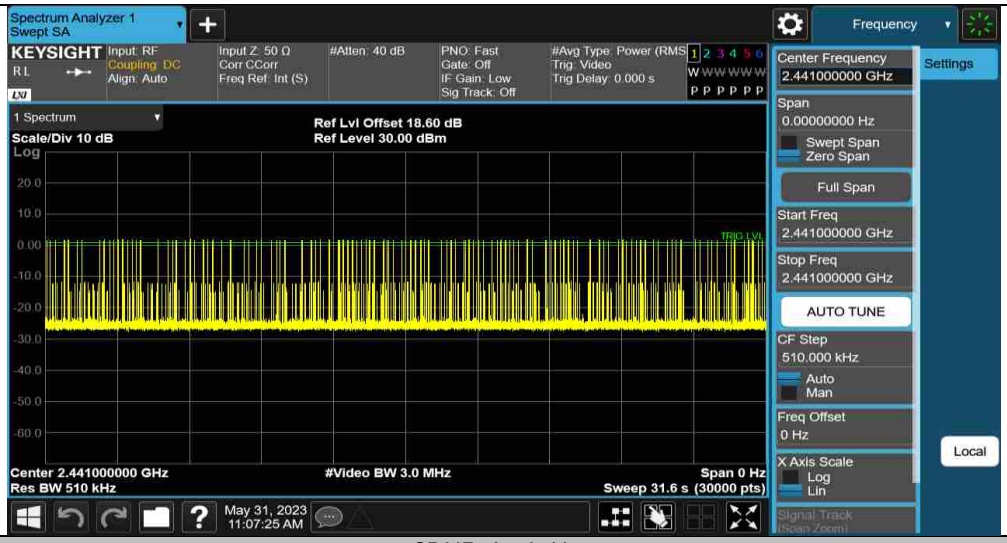
DH3_Ant1_Hop



DH5_Ant1_Hop

3DH1_Ant1_Hop

3DH3_Ant1_Hop



3DH5_Ant1_Hop

Appendix A.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.94	-42.43	≤-19.36	PASS
DH5	Ant1	High	2480	0.90	-42.14	≤-19.10	PASS
3DH5	Ant1	Low	2402	0.91	-44.71	≤-19.09	PASS
3DH5	Ant1	High	2480	0.85	-42.82	≤-19.15	PASS
DH5	Ant1	Hopping	2402	0.35	-43.87	≤-19.56	PASS
DH5	Ant1	Hopping	2480	0.73	-44.13	≤-19.27	PASS
3DH5	Ant1	Hopping	2402	-1.86	-42.54	≤-21.86	PASS
3DH5	Ant1	Hopping	2480	0.43	-42.51	≤-19.57	PASS

DH5_Ant1_Low_2402

DH5_Ant1_High_2480

3DH5_Ant1_Low_2402

3DH5_Ant1_High_2480

DH5_Ant1_Hopping_2402

DH5_Ant1_Hopping_2480

3DH5_Ant1_Hopping_2402

3DH5_Ant1_Hopping_2480

Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.23	0.23	---	PASS
			30~1000	0.23	-41.5	≤-19.77	PASS
			1000~26500	0.23	-32.37	≤-19.77	PASS
		2441	Reference	0.43	0.43	---	PASS
			30~1000	0.43	-40.27	≤-19.57	PASS
			1000~26500	0.43	-31.89	≤-19.57	PASS
		2480	Reference	0.29	0.29	---	PASS
			30~1000	0.29	-40.91	≤-19.71	PASS
			1000~26500	0.29	-32.52	≤-19.71	PASS
3DH5	Ant1	2402	Reference	-0.94	-0.94	---	PASS
			30~1000	-0.94	-41.28	≤-20.94	PASS
			1000~26500	-0.94	-32.36	≤-20.94	PASS
		2441	Reference	-2.03	-2.03	---	PASS
			30~1000	-2.03	-41.18	≤-22.03	PASS
			1000~26500	-2.03	-32.32	≤-22.03	PASS
		2480	Reference	-1.70	-1.70	---	PASS
			30~1000	-1.70	-41.38	≤-21.7	PASS
			1000~26500	-1.70	-32.35	≤-21.7	PASS

DH5_Ant1_2402_0~Reference

DH5_Ant1_2402_30~1000

DH5_Ant1_2402_1000~26500

DH5_Ant1_2441_0~Reference

DH5_Ant1_2441_30~1000

DH5_Ant1_2441_1000~26500

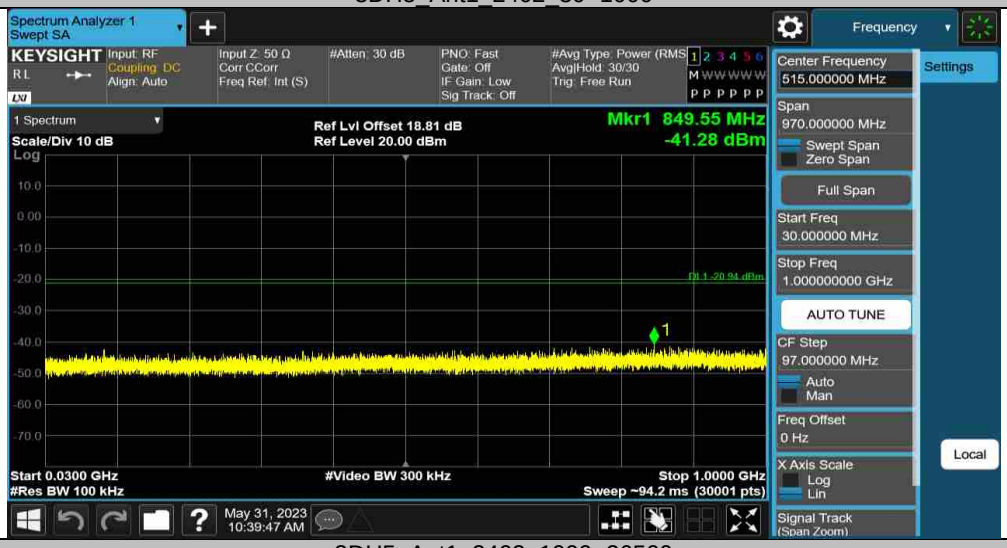
DH5_Ant1_2480_0~Reference

DH5_Ant1_2480_30~1000

DH5_Ant1_2480_1000~26500

3DH5_Ant1_2402_0~Reference

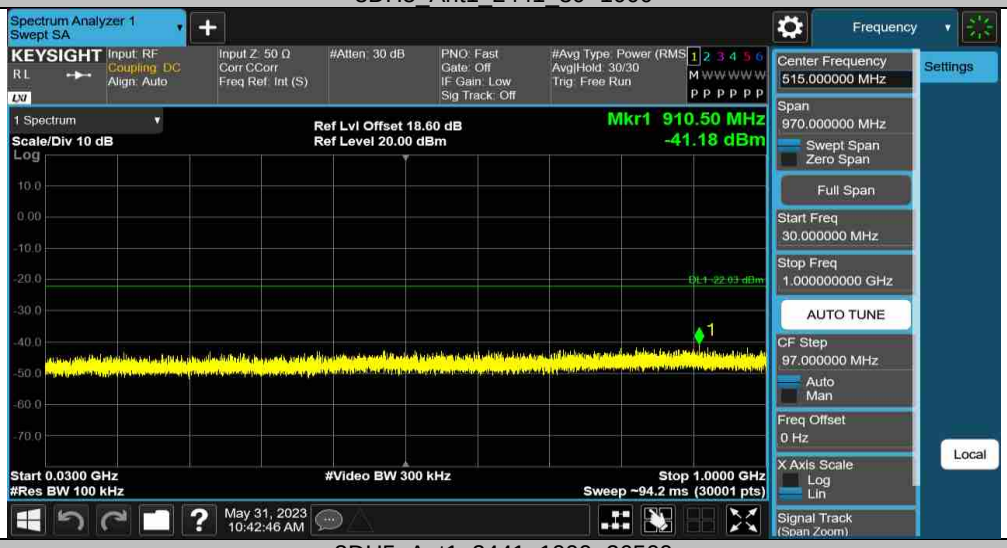
3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500

3DH5_Ant1_2441_0~Reference

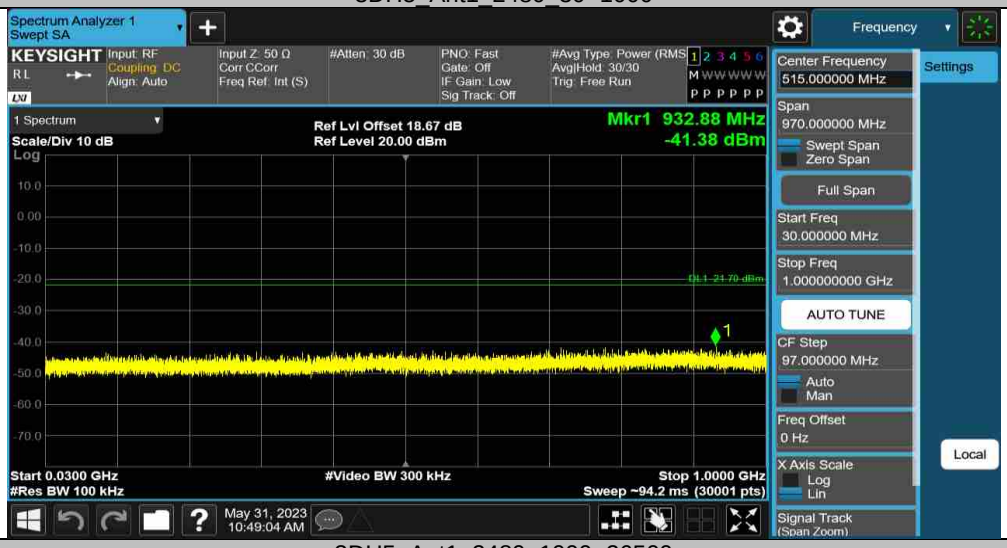
3DH5_Ant1_2441_30~1000



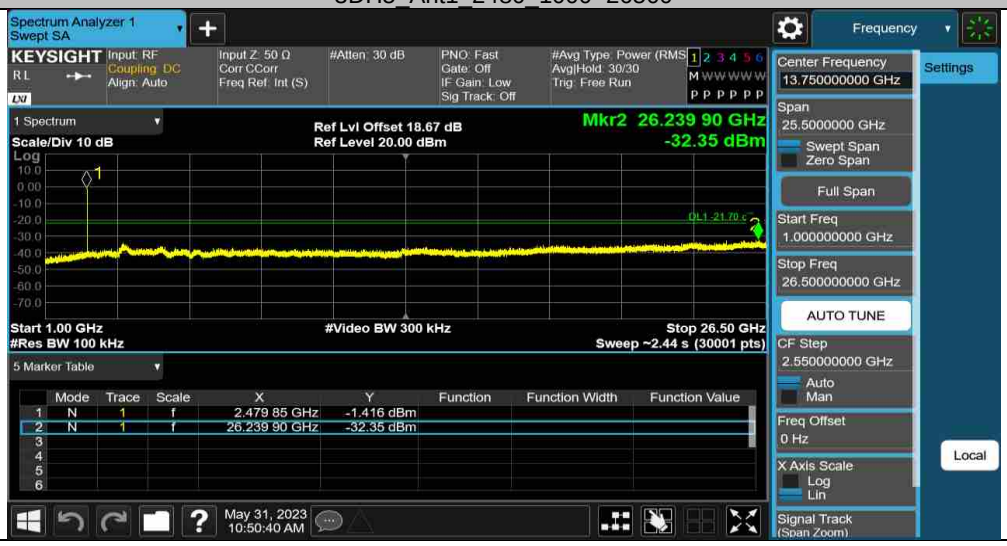
3DH5_Ant1_2441_1000~26500

3DH5_Ant1_2480_0~Reference

3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



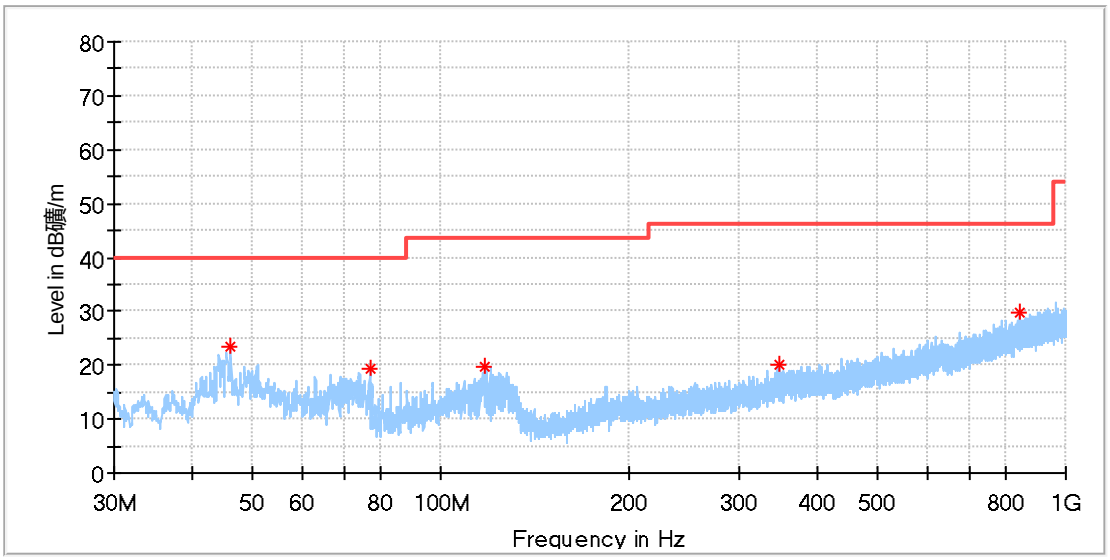
Appendix A.7: Test Results of Radiated Spurious Emissions

Note:
1) This testing was carried out on different modulations for all models, 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:	BR_DH5_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

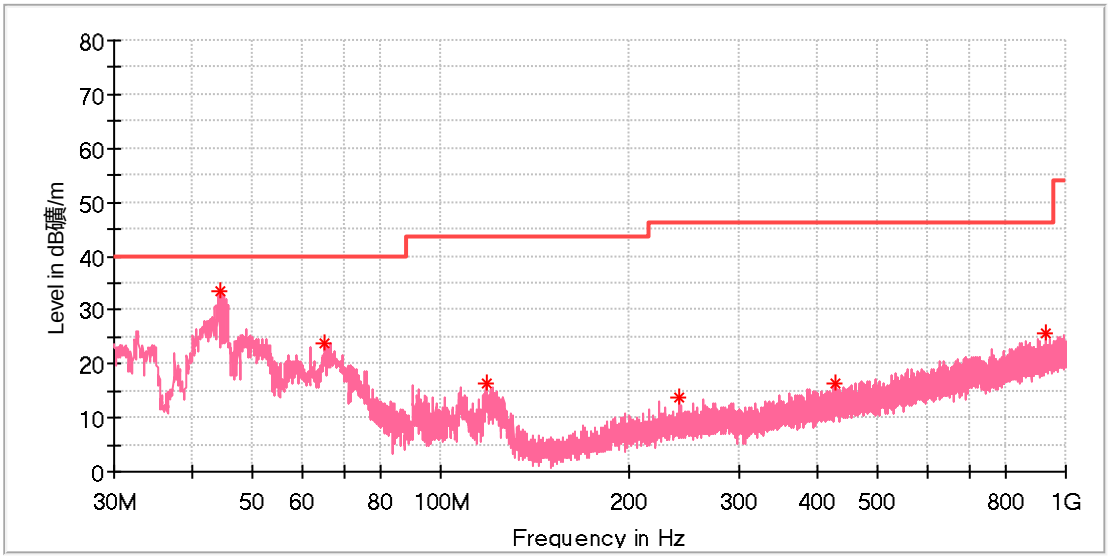
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.150500	23.45	40.00	16.55	100.0	H	102.0	-18.6
76.996500	19.53	40.00	20.47	100.0	H	289.0	-23.4
117.300000	19.74	43.50	23.76	100.0	H	239.0	-20.2
348.257000	20.21	46.00	25.79	100.0	H	116.0	-14.8
841.647500	29.63	46.00	16.37	100.0	H	66.0	-5.6

Final_Result

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BR_DH5_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)
44.512692	33.52	40.00	6.48	100.0	V	15.0	-19.2
65.255769	23.81	40.00	16.19	100.0	V	188.0	-20.5
118.008846	16.24	43.50	27.26	100.0	V	196.0	-20.7
240.228846	13.85	46.00	32.15	100.0	V	354.0	-18.0
427.700000	16.35	46.00	29.65	100.0	V	170.0	-13.6
930.607692	25.66	46.00	20.34	100.0	V	0.0	-5.1

Final_Result

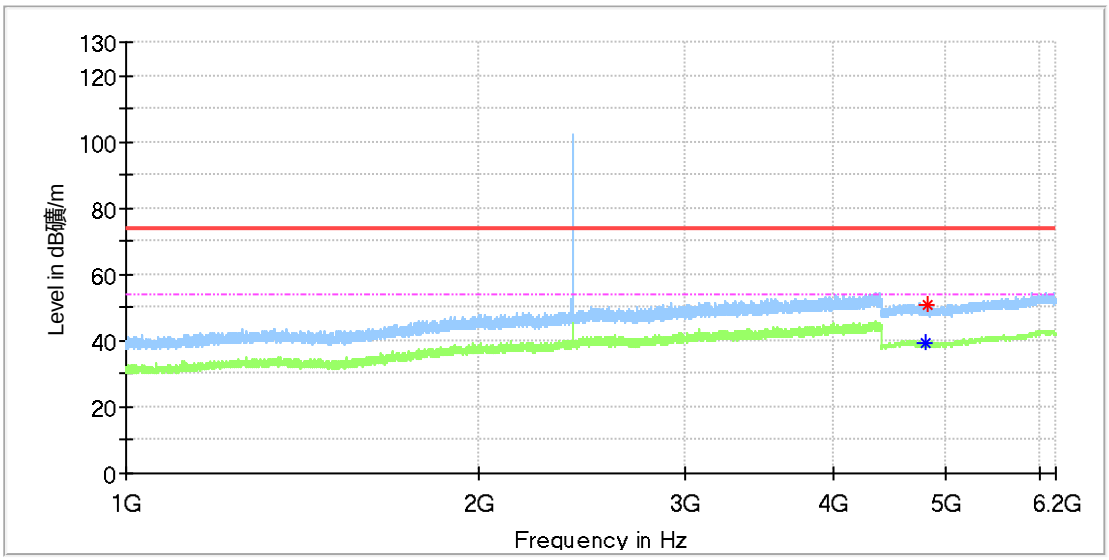
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BR_DH5_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

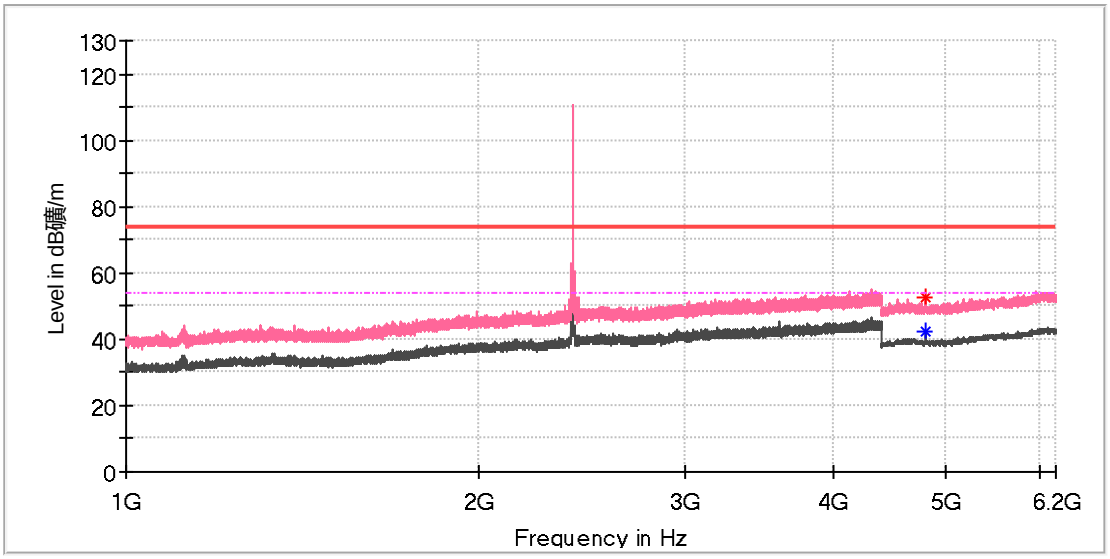
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4805.000000	---	39.31	54.00	14.69	150.0	H	75.0	11.8
4811.500000	50.71	---	74.00	23.29	150.0	H	67.0	11.8

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:	BR_DH5_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

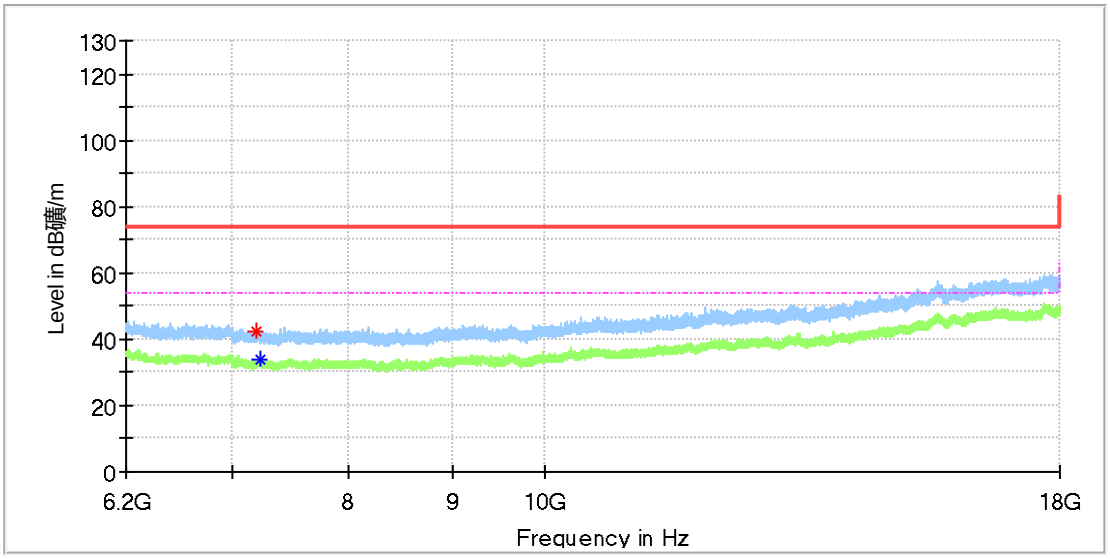
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4795.500000	52.58	---	74.00	21.42	150.0	V	37.0	11.8
4804.000000	---	42.15	54.00	11.85	150.0	V	211.0	11.8

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:	BR_DH5_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

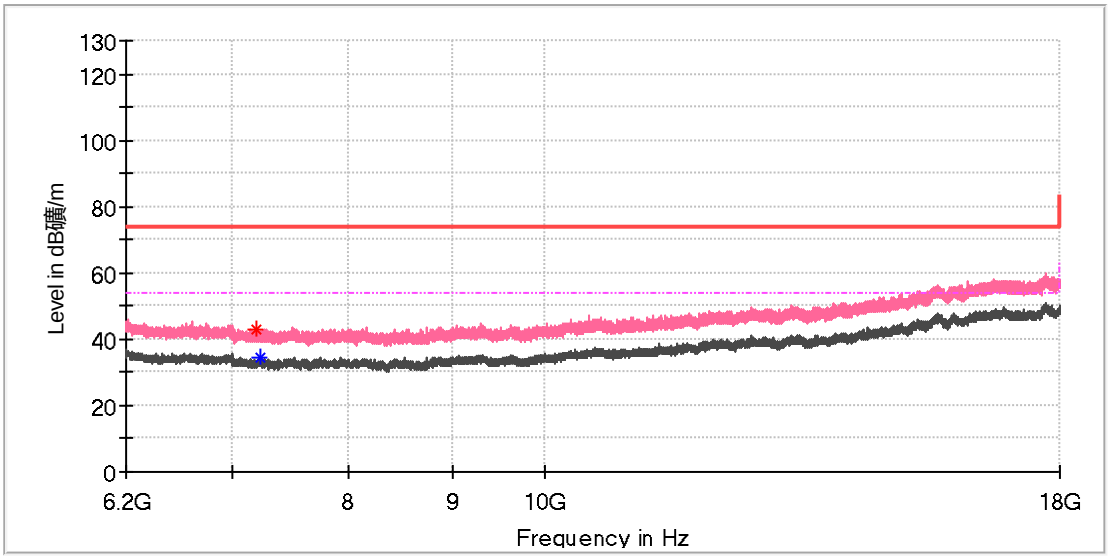
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7197.100000	42.18	---	74.00	31.82	150.0	H	149.0	8.8
7229.550000	---	33.98	54.00	20.02	150.0	H	200.0	8.6

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:	BR_DH5_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

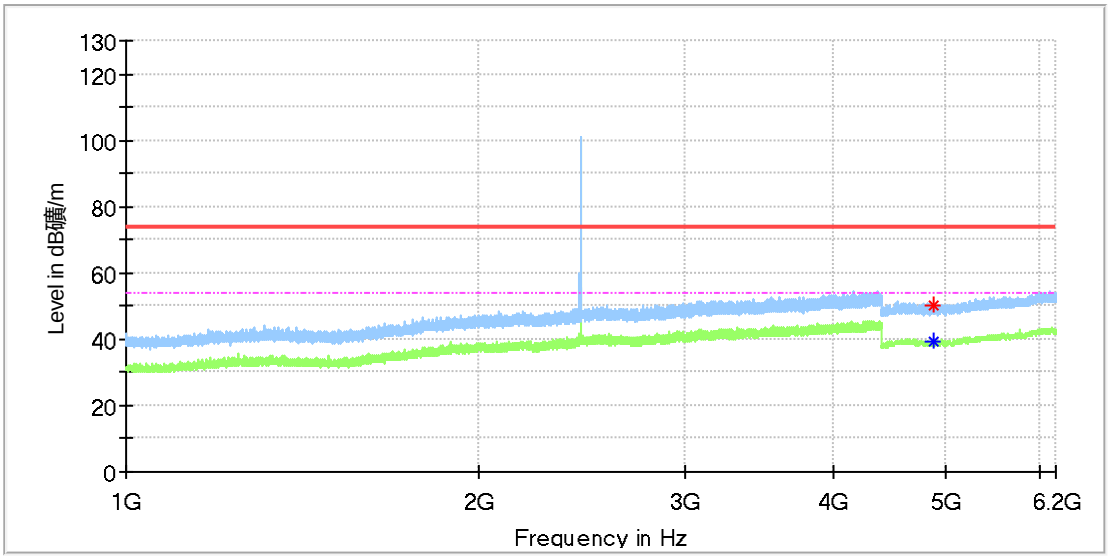
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7194.150000	43.02	---	74.00	30.98	150.0	V	348.0	8.8
7222.175000	---	34.47	54.00	19.53	150.0	V	226.0	8.7

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:	BR_DH5_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

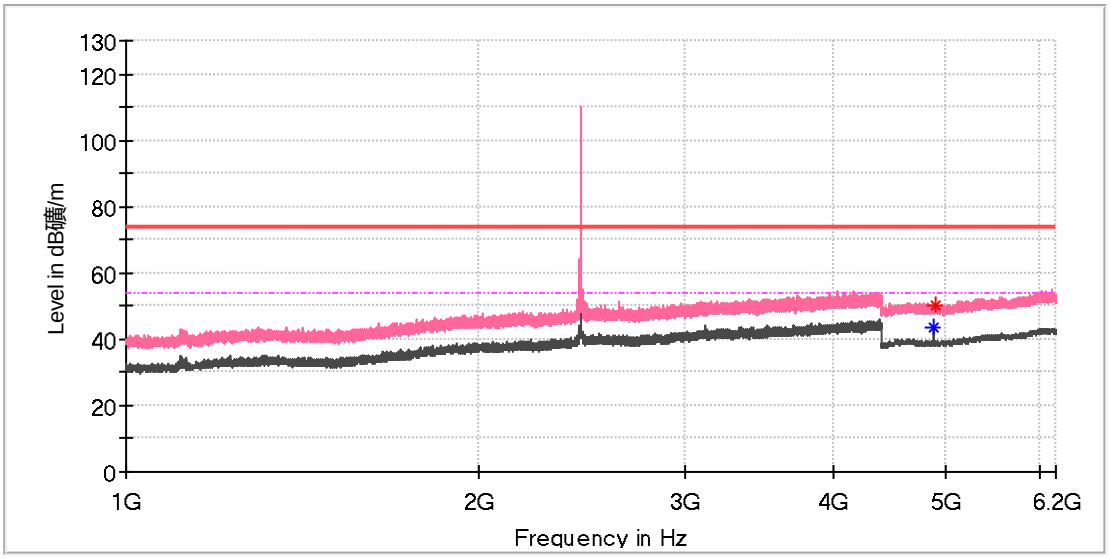
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4871.000000	---	39.26	54.00	14.74	150.0	H	111.0	11.8
4884.500000	50.05	---	74.00	23.95	150.0	H	17.0	11.8

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:	BR_DH5_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

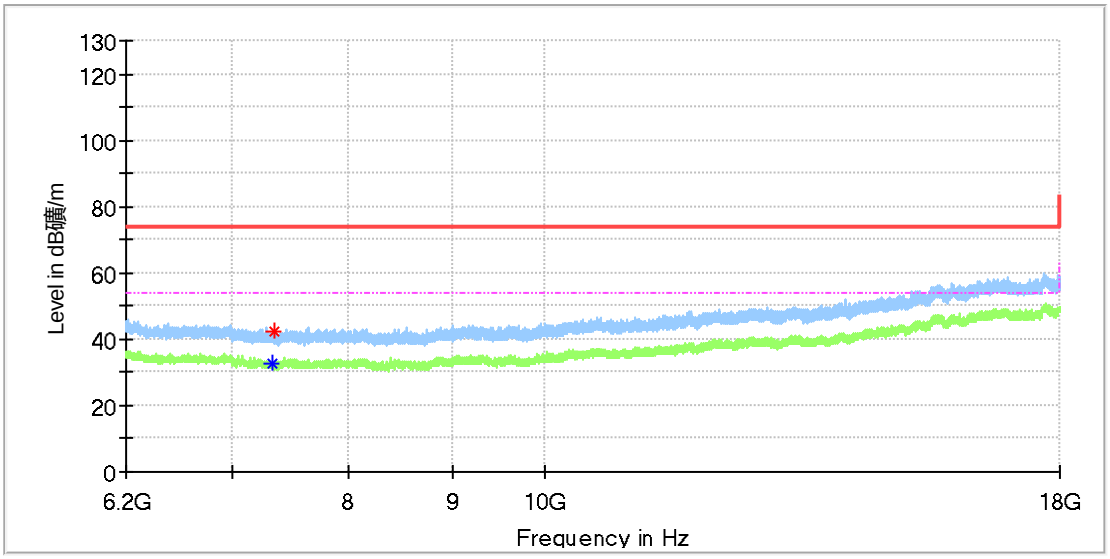
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4882.000000	---	43.56	54.00	10.44	150.0	V	216.0	11.8
4890.500000	50.08	---	74.00	23.92	150.0	V	29.0	11.8

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:	BR_DH5_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

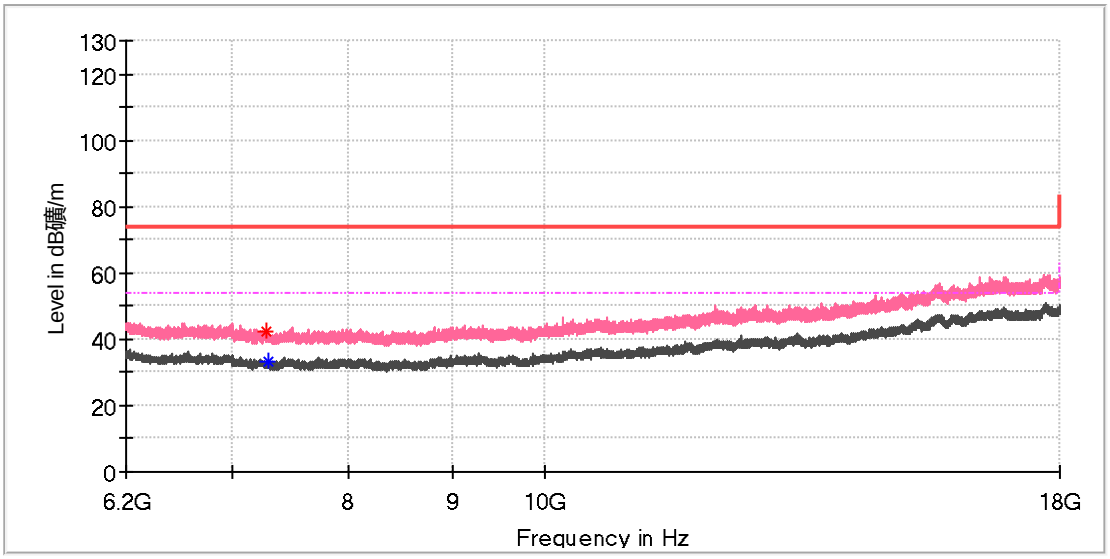
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7332.308333	---	32.95	54.00	21.05	150.0	H	257.0	8.1
7347.550000	42.44	---	74.00	31.56	150.0	H	94.0	8.1

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:	BR_DH5_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

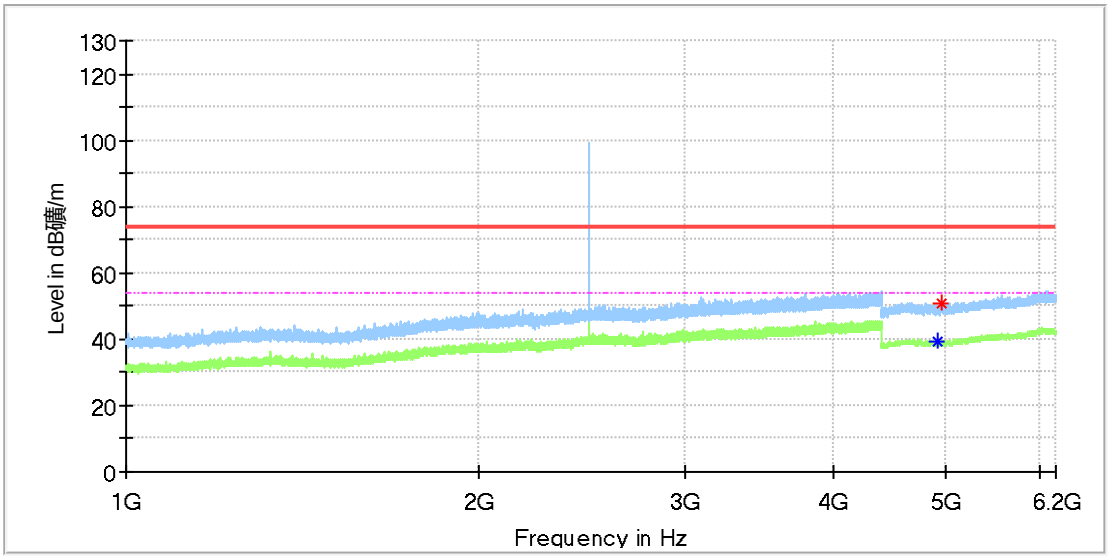
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7284.616667	42.21	---	74.00	31.79	150.0	V	133.0	8.4
7285.600000	---	33.47	54.00	20.53	150.0	V	234.0	8.4

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:	BR_DH5_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

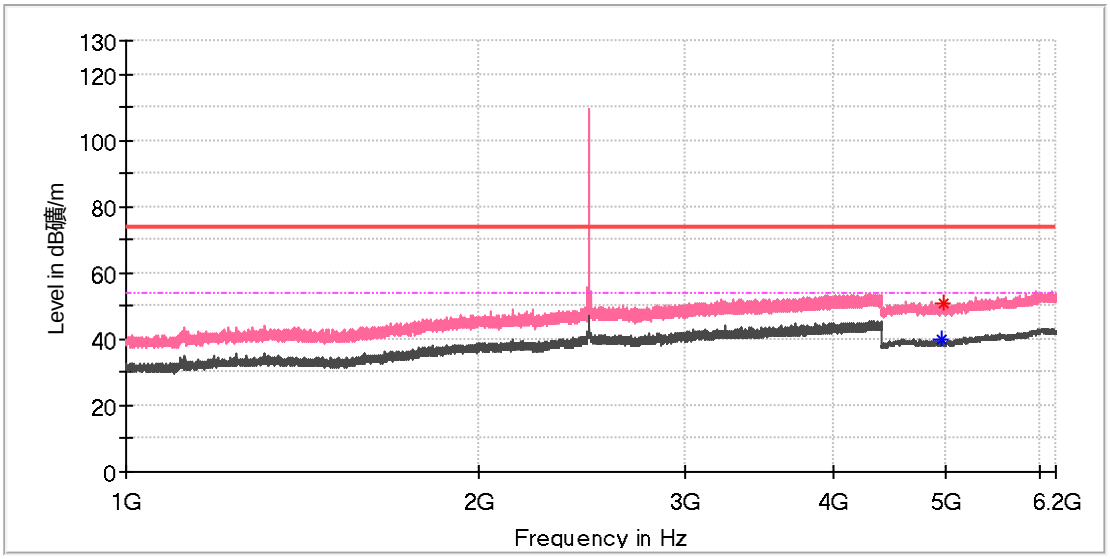
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4913.000000	---	39.57	54.00	14.43	150.0	H	181.0	11.8
4959.000000	50.63	---	74.00	23.37	150.0	H	44.0	11.8

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:	BR_DH5_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

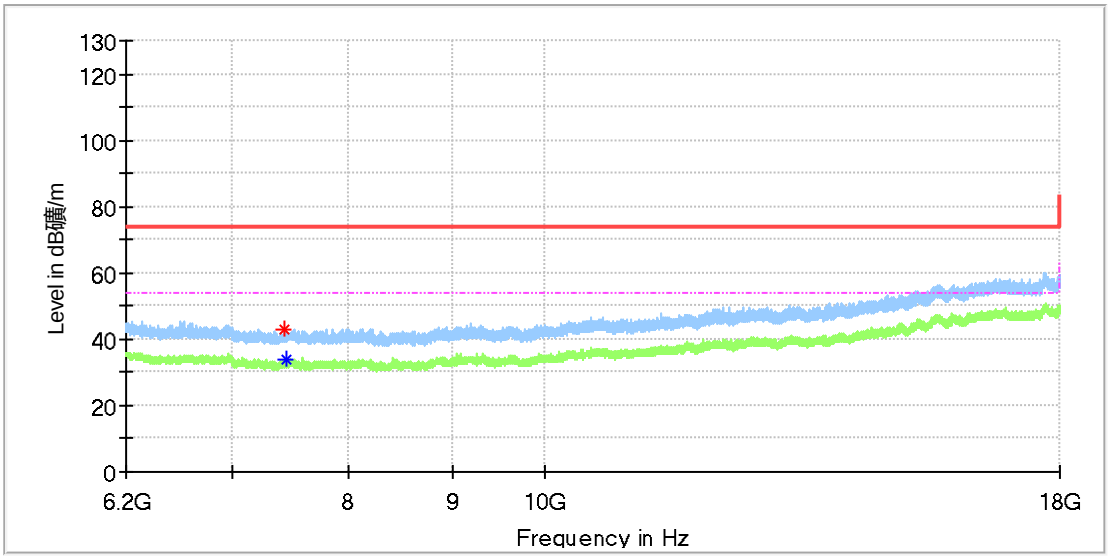
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	---	39.90	54.00	14.10	150.0	V	7.0	11.8
4977.000000	50.56	---	74.00	23.44	150.0	V	0.0	11.8

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:	BR_DH5_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

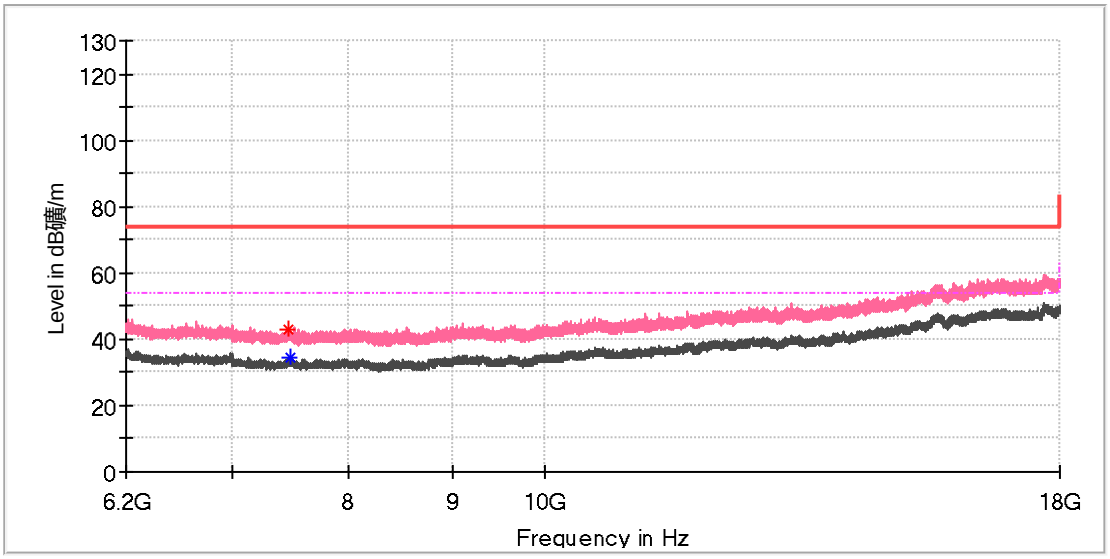
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7431.133333	42.68	---	74.00	31.32	150.0	H	0.0	8.4
7452.275000	---	34.00	54.00	20.00	150.0	H	295.0	8.5

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:	BR_DH5_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)
7458.175000	42.82	---	74.00	31.18	150.0	V	56.0	8.5
7471.941667	---	34.30	54.00	19.70	150.0	V	92.0	8.6

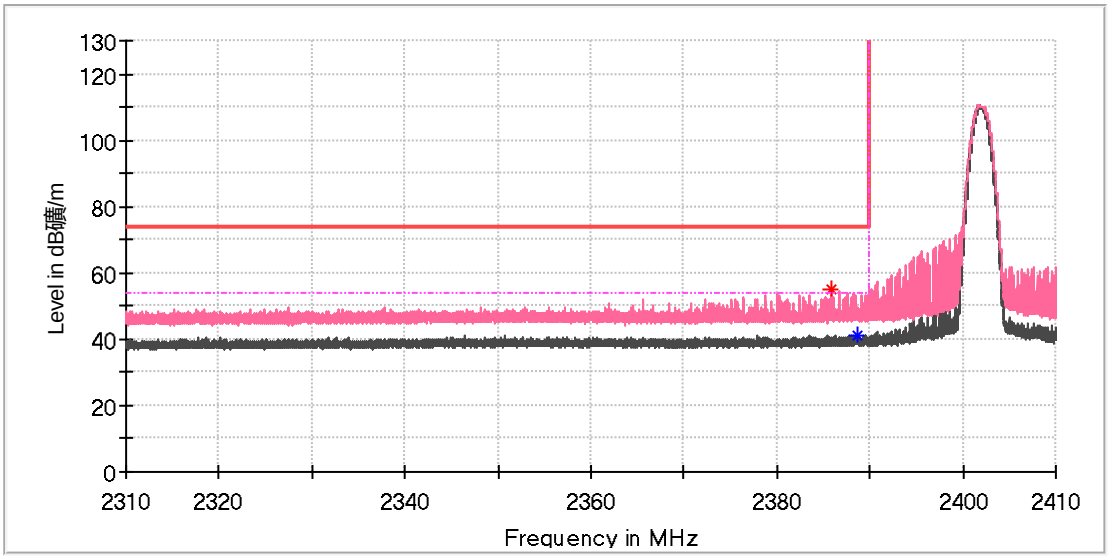
Final_Result

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

Appendix A.8: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	OPS-8195A
Model:	OPS-8195A-4R64S
Test Mode:	BR_DH5_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

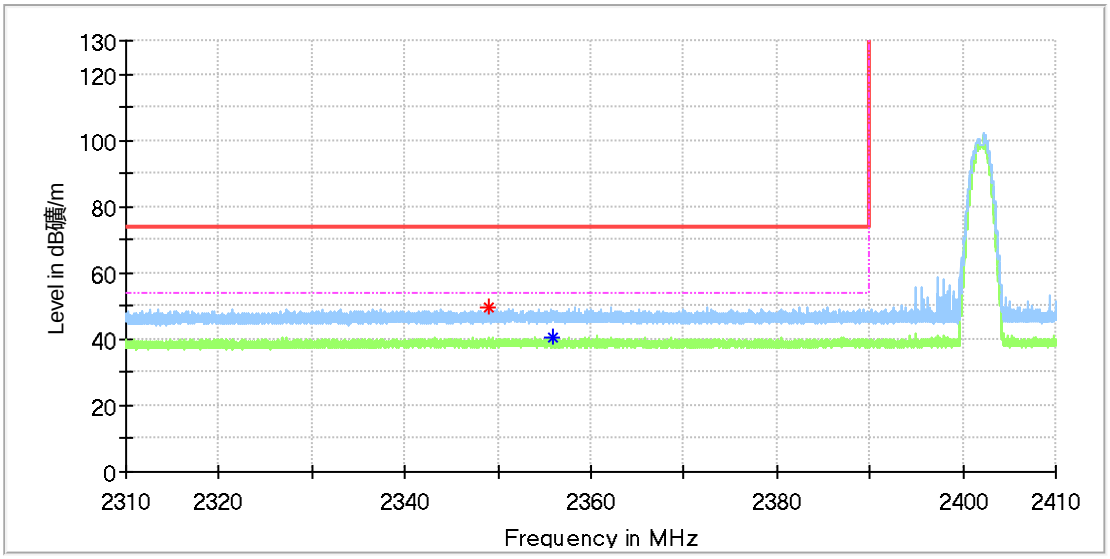
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.885000	55.14	---	74.00	18.86	150.0	V	322.0	7.0
2388.770000	---	40.98	54.00	13.02	150.0	V	312.0	7.0

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:	BR_DH5_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

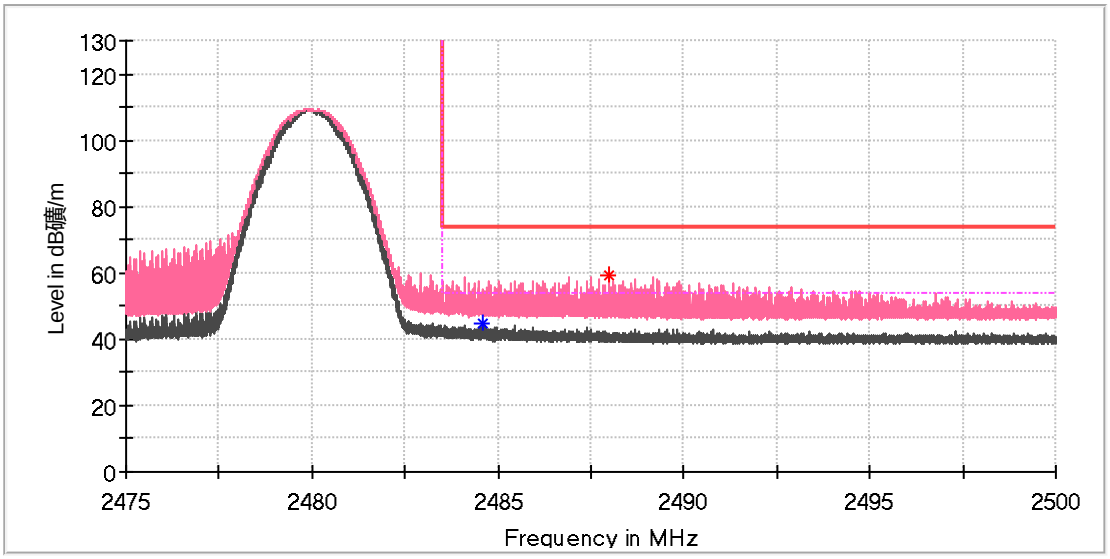
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2348.975000	49.55	---	74.00	24.45	150.0	H	268.0	6.9
2355.825000	---	40.73	54.00	13.27	150.0	H	218.0	6.9

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:	BR_DH5_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

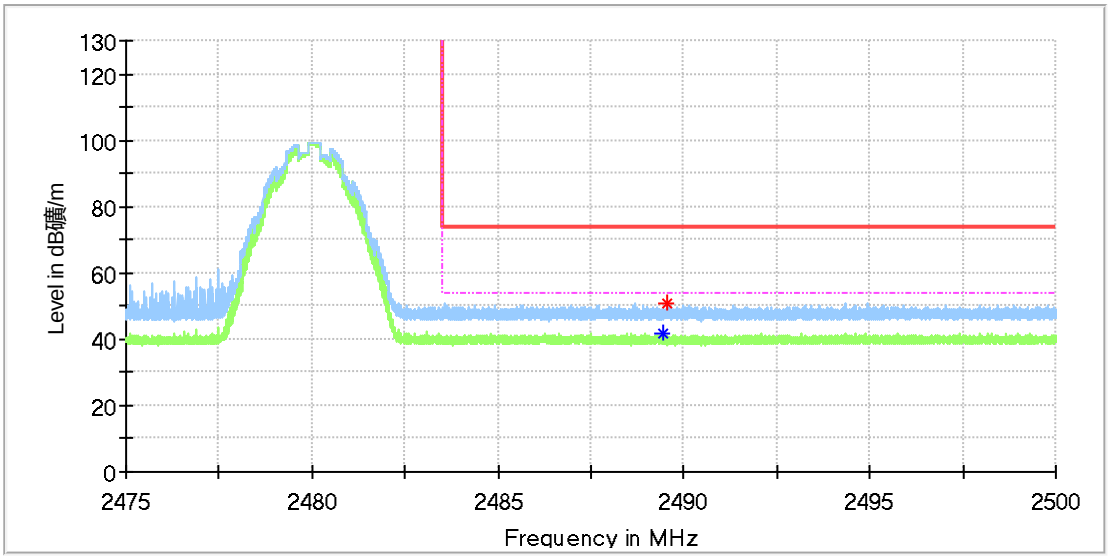
Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.567500	---	44.49	54.00	9.51	150.0	V	315.0	7.4
2487.995000	59.13	---	74.00	14.87	150.0	V	325.0	7.4

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:	BR_DH5_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)
2489.441250	---	41.45	54.00	12.55	150.0	H	324.0	7.4
2489.525000	50.88	---	74.00	23.12	150.0	H	324.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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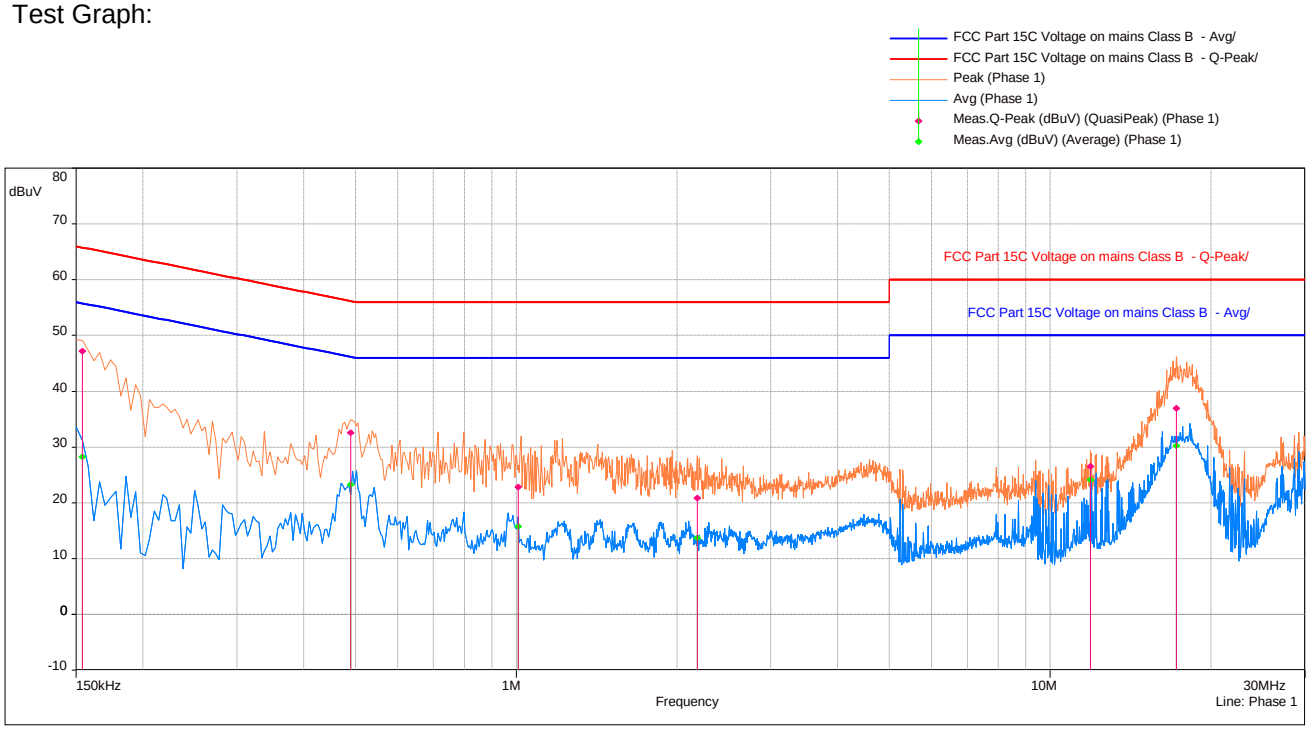
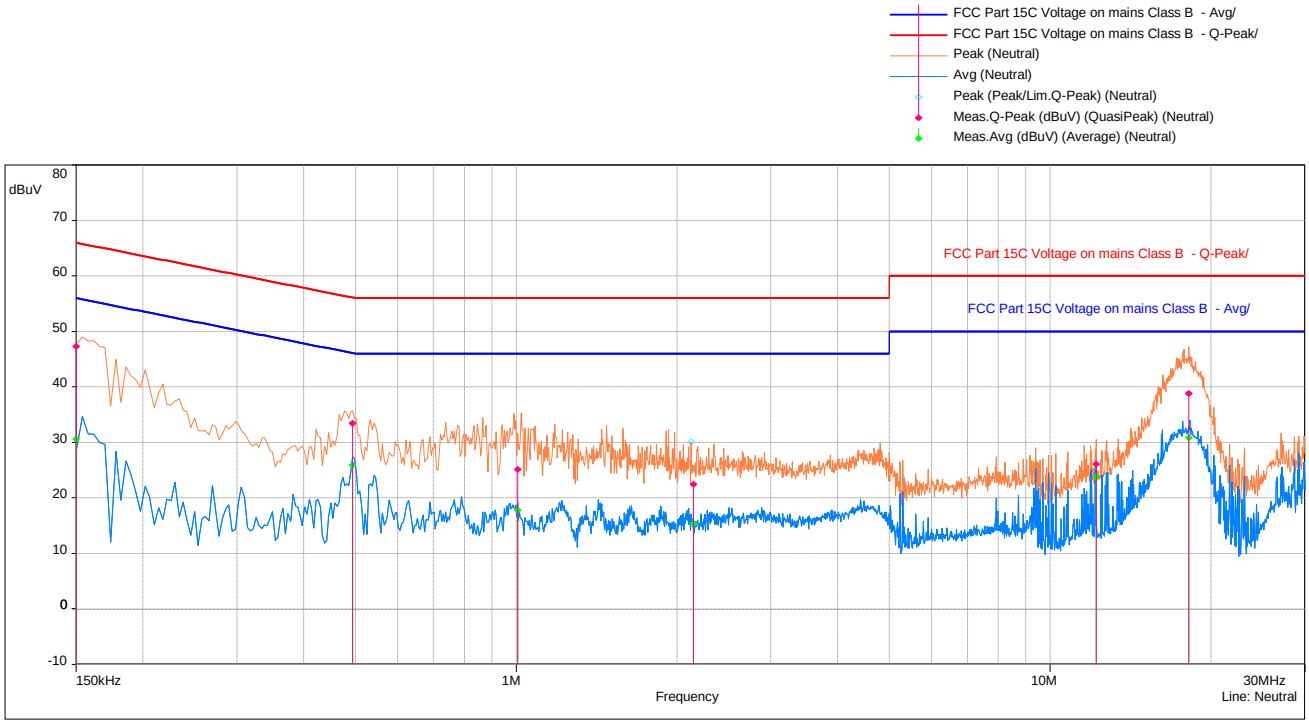
Appendix A.9: Test Results of Conducted Emission

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