

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	0.87223	2401.5758	2402.4481	---	PASS
		2441	0.86938	2440.5769	2441.4463	---	PASS
		2480	0.86842	2479.5758	2480.4442	---	PASS
3DH5	Ant1	2402	1.1722	2401.4252	2402.5974	---	PASS
		2441	1.1725	2440.4240	2441.5965	---	PASS
		2480	1.1768	2479.4211	2480.5979	---	PASS

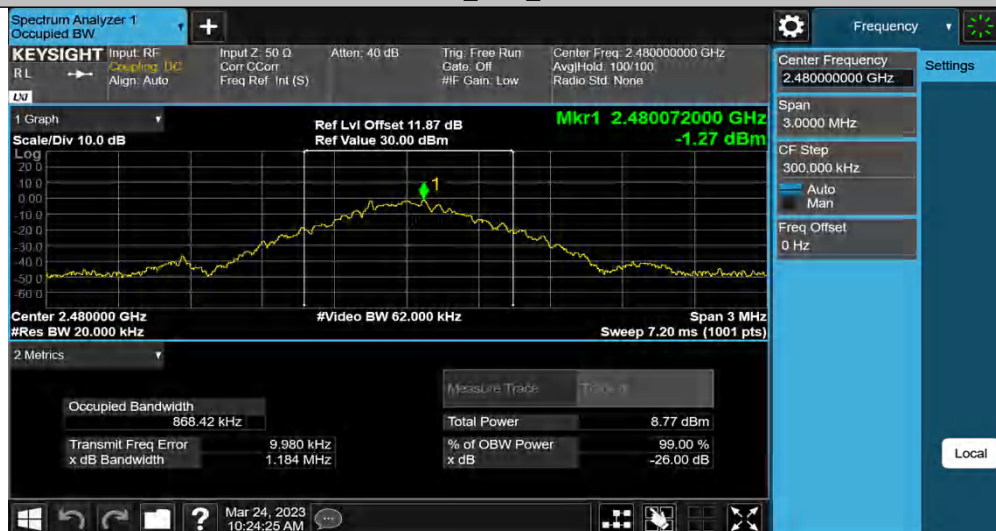
DH5_Ant1_2402

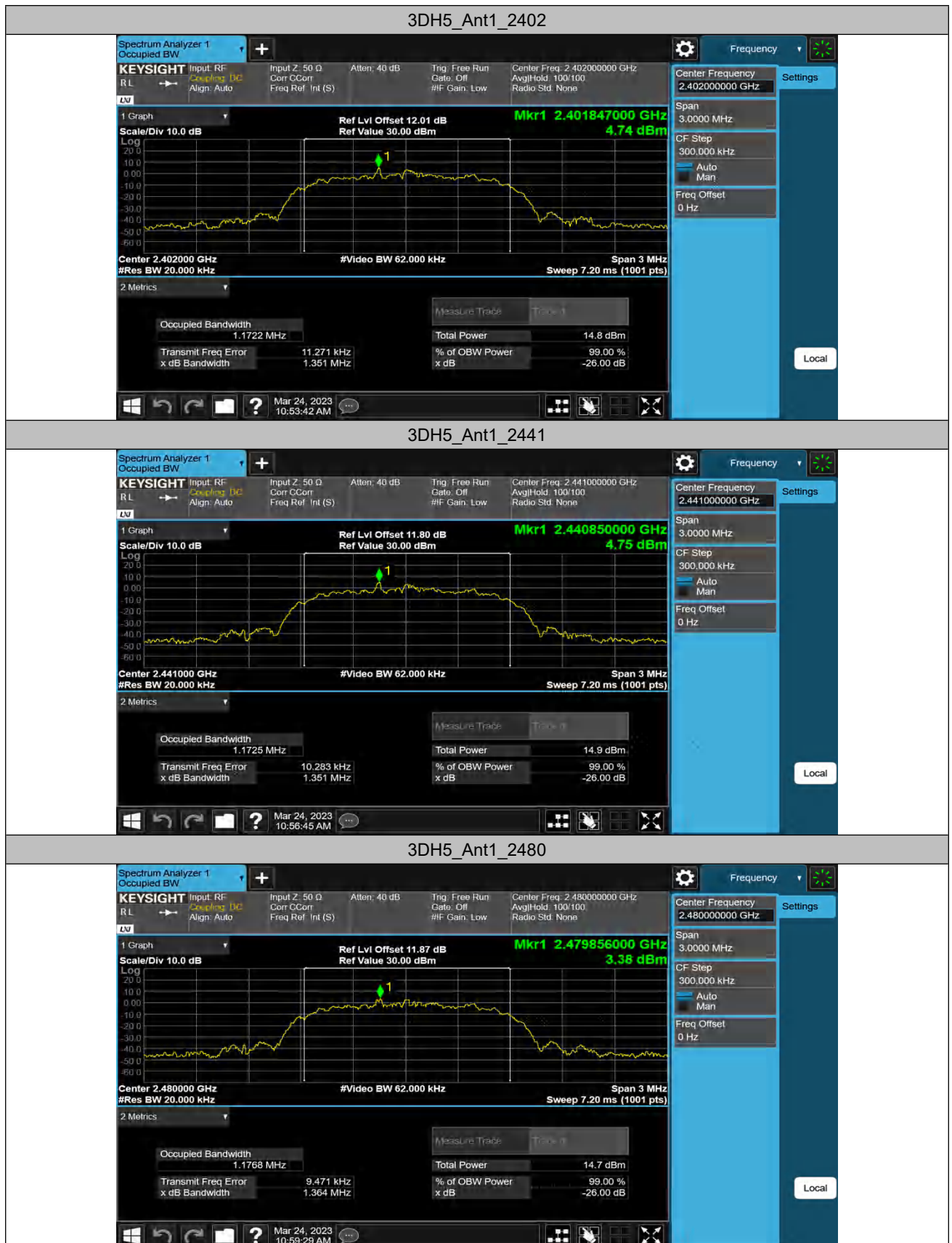


DH5_Ant1_2441



DH5_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	0.945	2401.553	2402.498	---	PASS
		2441	0.948	2440.550	2441.498	---	PASS
		2480	0.948	2479.553	2480.501	---	PASS
3DH5	Ant1	2402	1.263	2401.373	2402.636	---	PASS
		2441	1.269	2440.367	2441.636	---	PASS
		2480	1.266	2479.370	2480.636	---	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	0.852	≥ 0.632	PASS
3DH5	Ant1	Hop	0.998	≥ 0.846	PASS



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

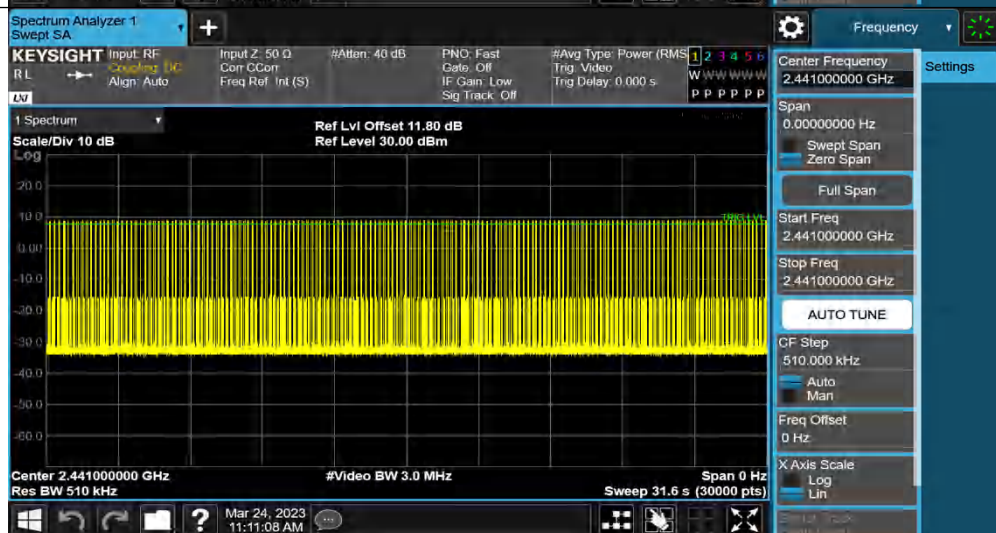
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



Appendix A.5: Test Results of Time of Occupancy

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.380	319	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.636	16	0.265	≤0.4	PASS
DH5	Ant1	Hop	2.884	94	0.271	≤0.4	PASS
3DH1	Ant1	Hop	0.389	320	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.640	163	0.267	≤0.4	PASS
3DH5	Ant1	Hop	2.892	97	0.281	≤0.4	PASS

DH1_Ant1_Hop



DH3_Ant1_Hop





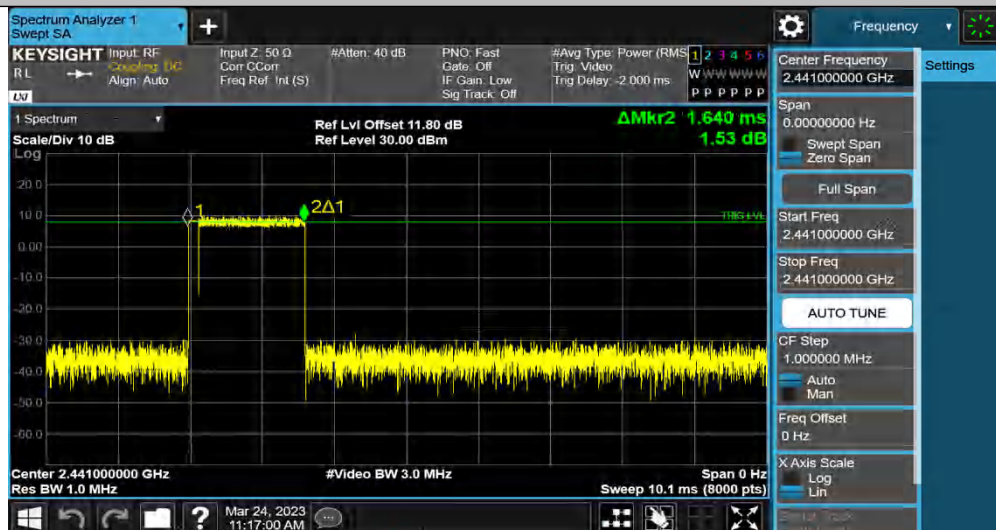
DH5_Ant1_Hop

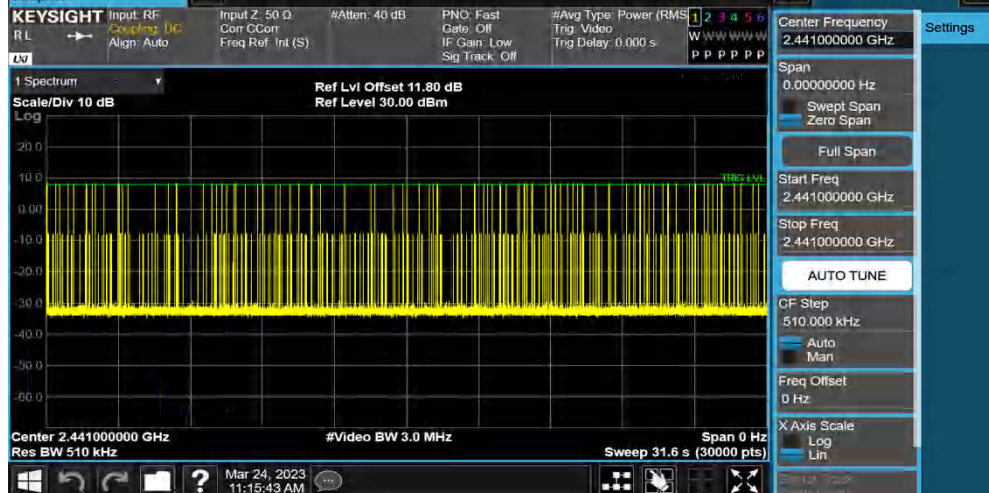
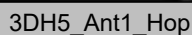


3DH1_Ant1_Hop



3DH3_Ant1_Hop

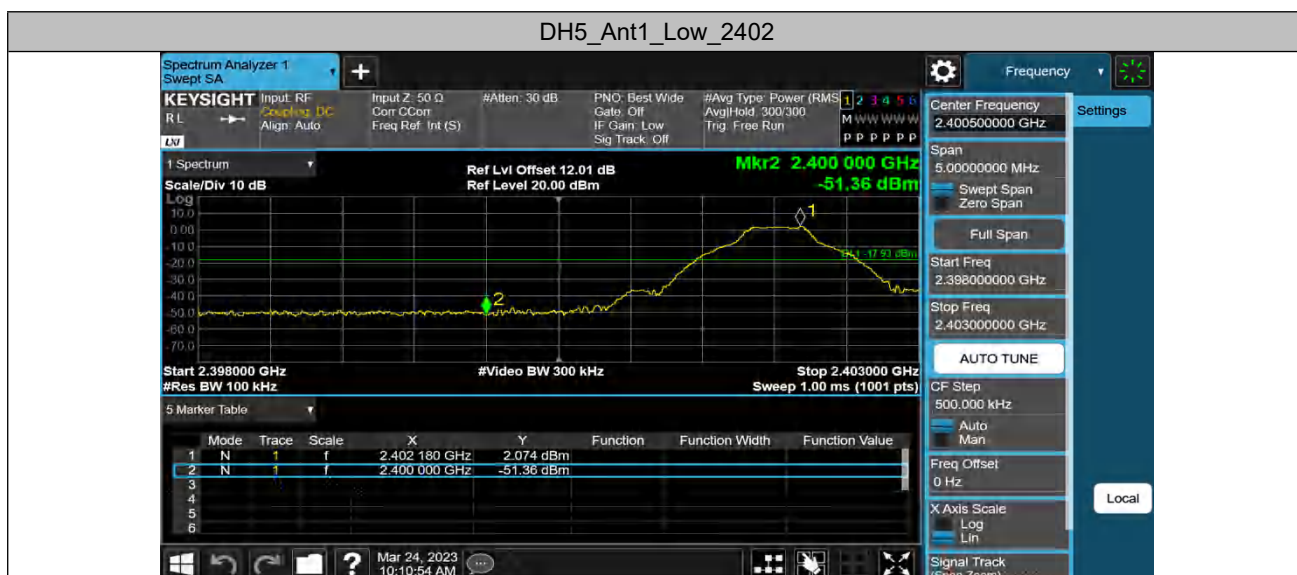


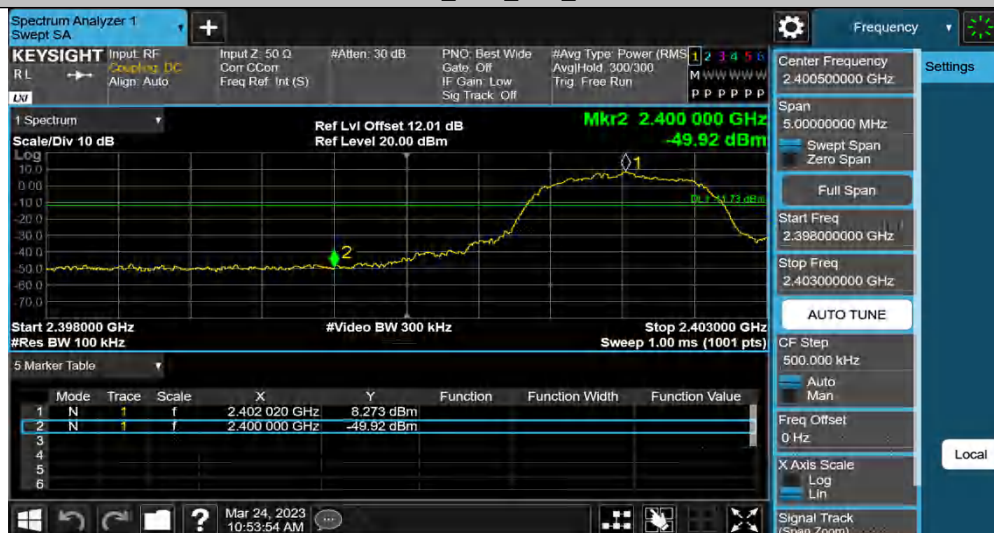


Appendix A.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

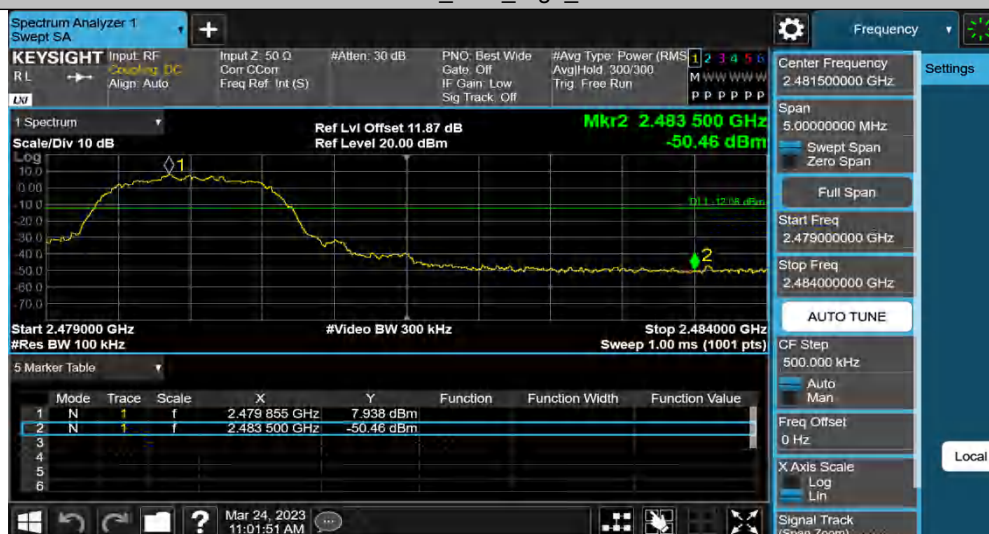
Band Edge

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.07	-51.36	≤-17.93	PASS
		High	2480	5.79	-51.74	≤-14.21	PASS
		Low	Hop_2402	8.24	-51.85	≤-11.76	PASS
		High	Hop_2480	8.52	-50.27	≤-11.48	PASS
3DH5	Ant1	Low	2402	8.27	-49.92	≤-11.73	PASS
		High	2480	7.94	-50.46	≤-12.06	PASS
		Low	Hop_2402	3.65	-50.87	≤-16.35	PASS
		High	Hop_2480	3.30	-54.79	≤-16.70	PASS





3DH5 Ant1 High 2480



3DH5 Ant1 Low Hop 2402



3DH5_Ant1_High_Hop_2480



Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.01	2.01	---	PASS
			30~1000	2.01	-47.85	≤-17.99	PASS
			1000~26500	2.01	-38.91	≤-17.99	PASS
		2441	Reference	4.23	4.23	---	PASS
			30~1000	4.23	-48.56	≤-15.77	PASS
			1000~26500	4.23	-38.46	≤-15.77	PASS
		2480	Reference	1.31	1.31	---	PASS
			30~1000	1.31	-46.94	≤-18.69	PASS
			1000~26500	1.31	-38.22	≤-18.69	PASS
3DH5	Ant1	2402	Reference	5.06	5.06	---	PASS
			30~1000	5.06	-47.98	≤-14.94	PASS
			1000~26500	5.06	-39.1	≤-14.94	PASS
		2441	Reference	8.24	8.24	---	PASS
			30~1000	8.24	-47.52	≤-11.76	PASS
			1000~26500	8.24	-39.16	≤-11.76	PASS
		2480	Reference	7.02	7.02	---	PASS
			30~1000	7.02	-48.01	≤-12.98	PASS
			1000~26500	7.02	-38.72	≤-12.98	PASS

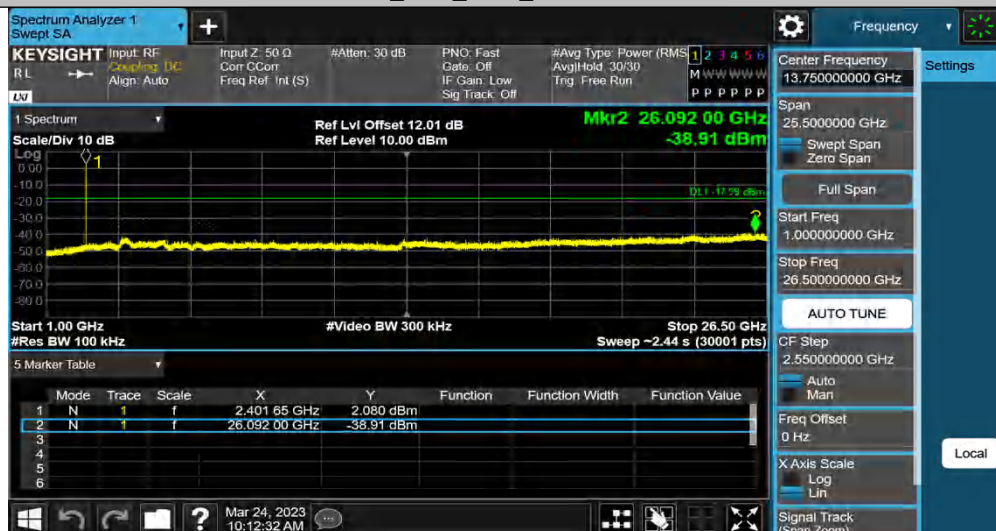
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



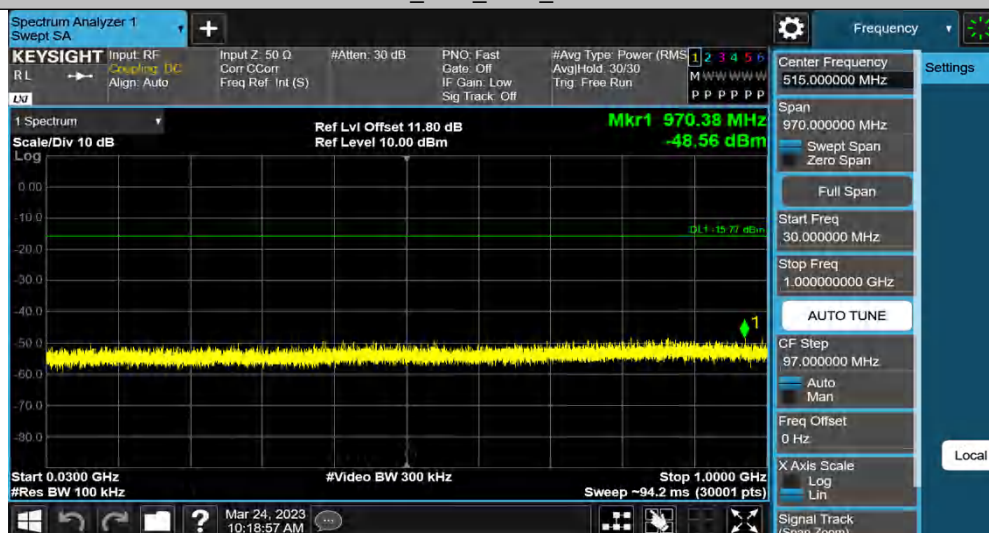
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



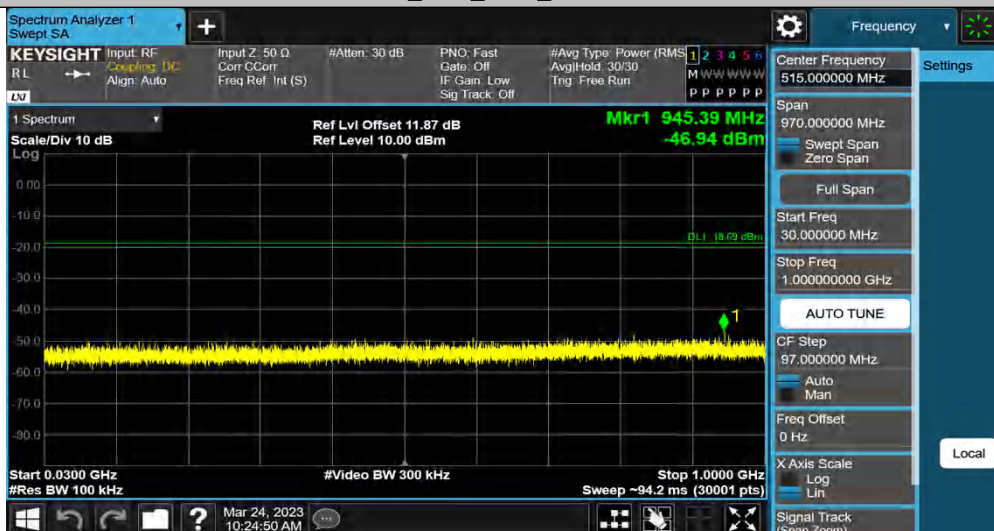
DH5_Ant1_2441_1000~26500



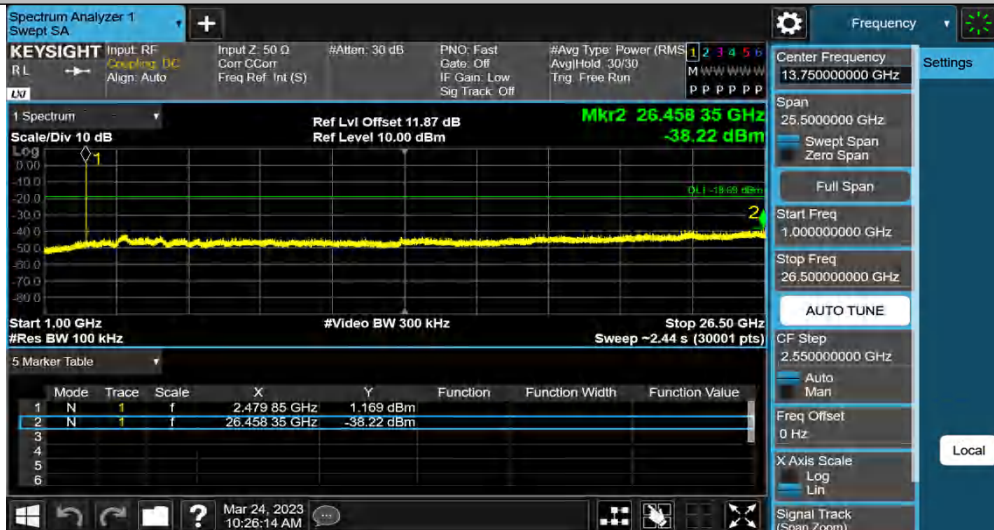
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



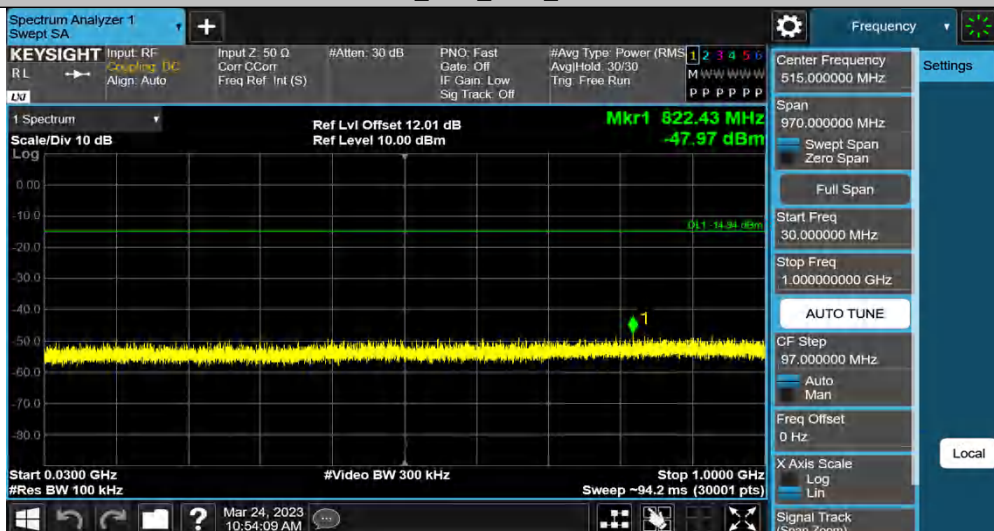
DH5_Ant1_2480_1000~26500



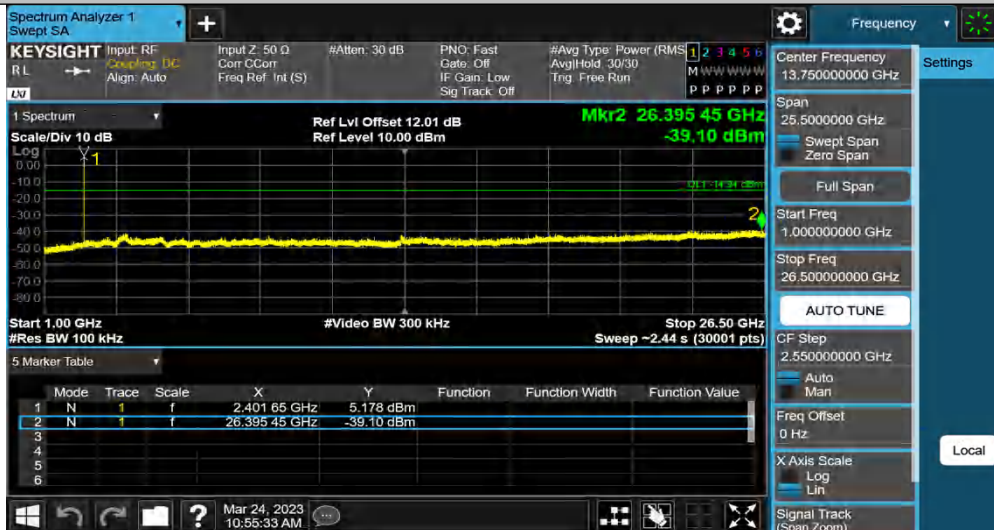
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500



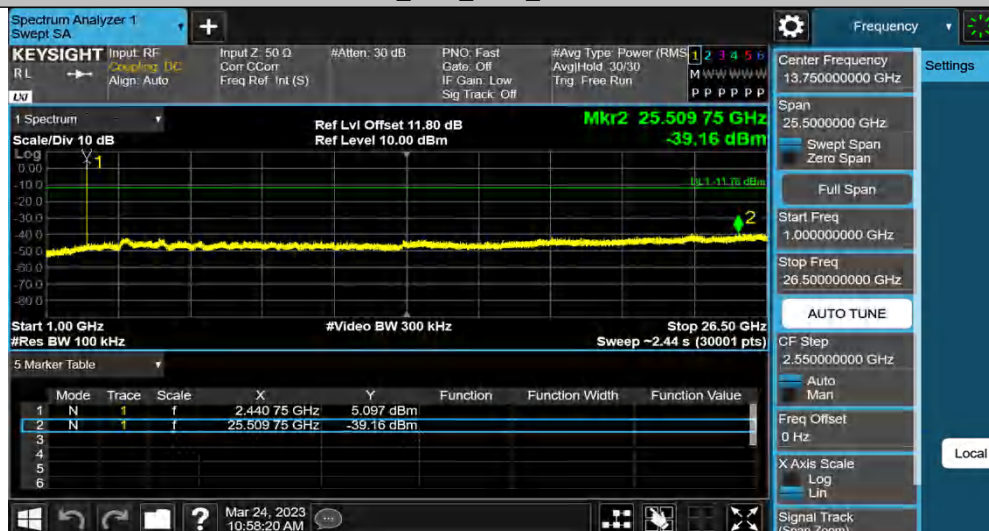
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500



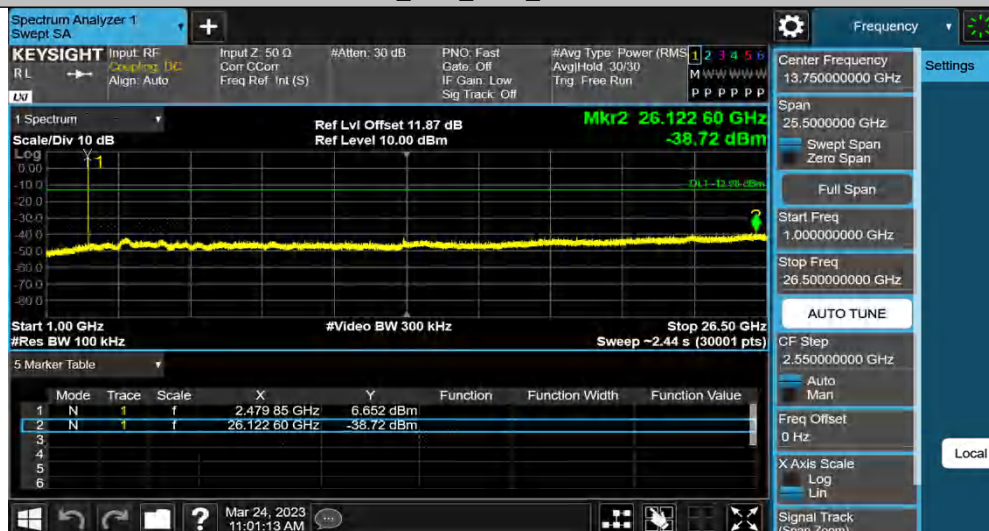
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



Appendix A.7: Test Results of Radiated Spurious Emissions

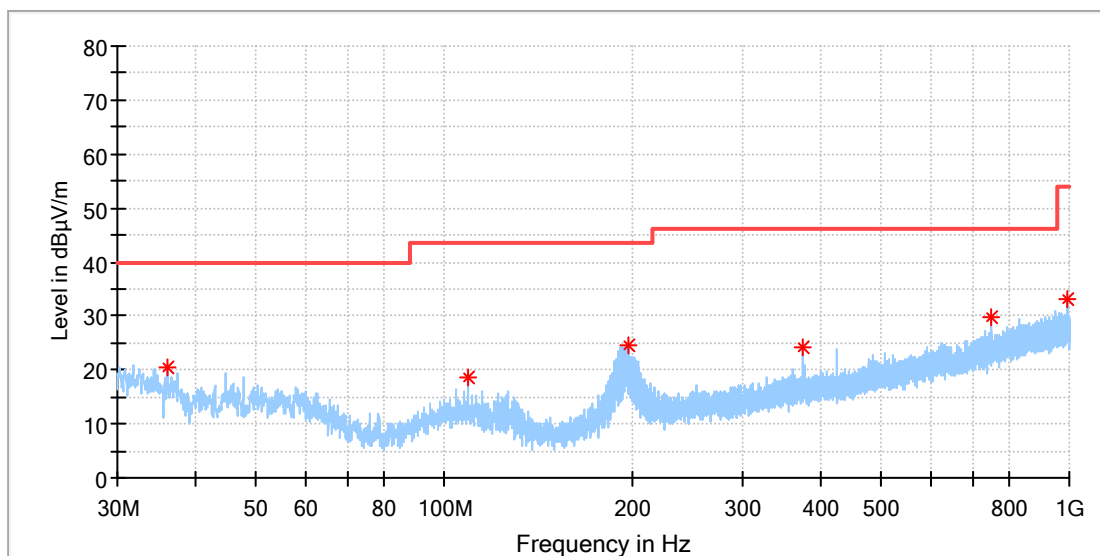
Note:

- 1) This testing was carried out on different modulations, 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-A
Model:	OPS-1A-8R64S
Test Mode:	BR_DH5_Mid channel
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

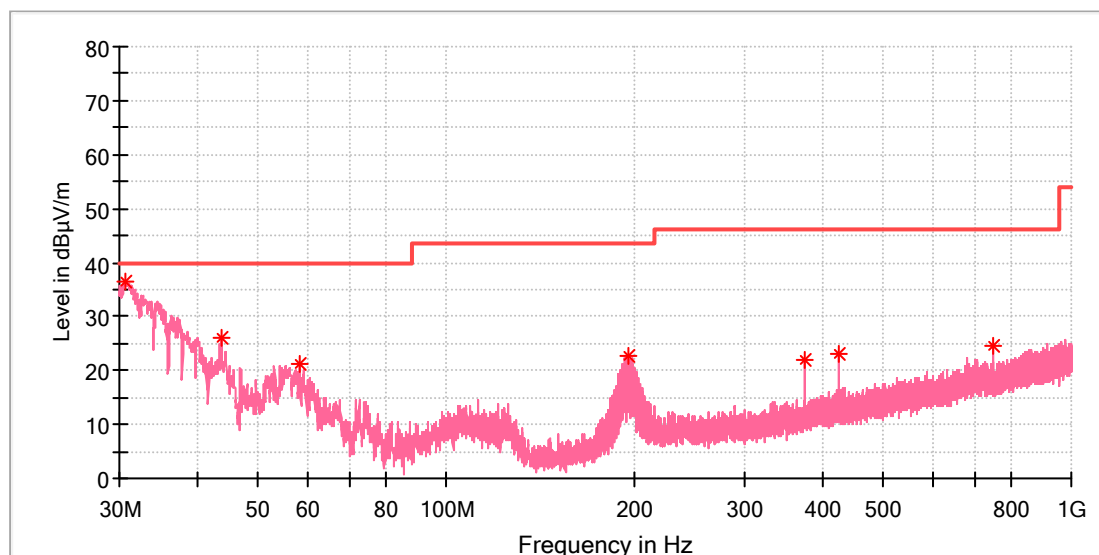
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
36.111000	20.55	40.00	19.45	100.0	H	316.0	-21.5
108.909500	18.57	43.50	24.93	100.0	H	69.0	-19.0
196.403500	24.67	43.50	18.83	100.0	H	308.0	-19.1
374.980500	24.23	46.00	21.77	100.0	H	41.0	-14.3
750.031000	29.61	46.00	16.39	100.0	H	202.0	-7.2
990.057500	33.27	54.00	20.73	100.0	H	194.0	-3.9

Final Result

Frequency (MHz)	QuasiPeak (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:	BR_DH5_Mid channel
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)
30.708846	36.65	40.00	3.35	100.0	V	0.0	-23.2
43.729231	26.12	40.00	13.88	100.0	V	175.0	-19.4
58.167308	21.33	40.00	18.67	100.0	V	5.0	-19.1
194.937308	22.65	43.50	20.85	100.0	V	0.0	-19.5
375.021539	21.86	46.00	24.14	100.0	V	68.0	-14.7
425.013846	23.25	46.00	22.75	100.0	V	140.0	-13.7
750.038462	24.68	46.00	21.32	100.0	V	124.0	-7.6

Final Result

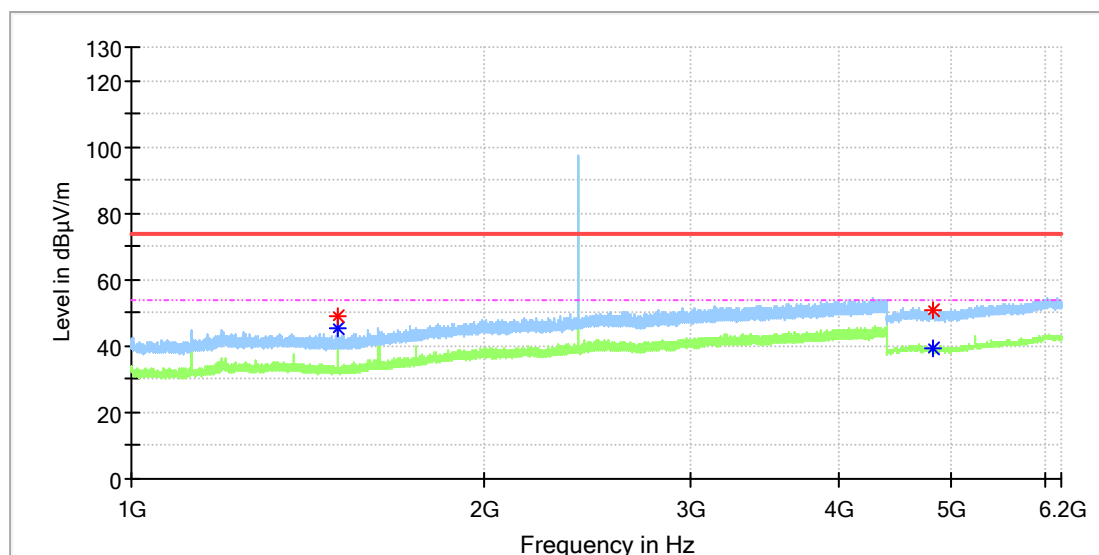
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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1GHz - 18GHz

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

EUT Information

EUT Name:	OPS-A
Model:	OPS-1A-8R64S
Test Mode:	BR_DH5_Low channel
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

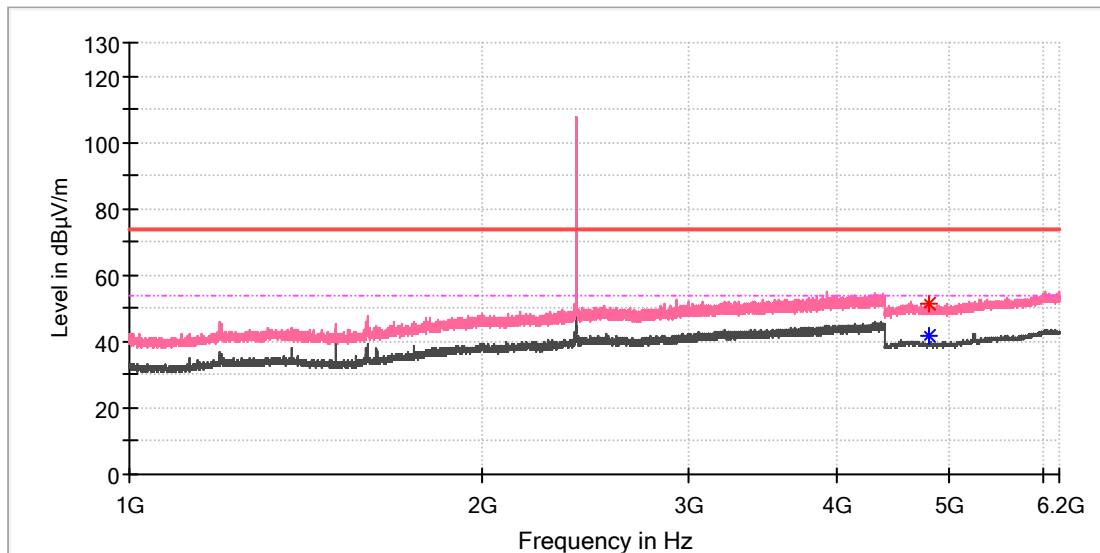
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1499.800000	48.73	---	74.00	25.27	150.0	H	319.0	1.2
1499.800000	---	45.54	54.00	8.46	150.0	H	319.0	1.2
4816.000000	50.60	---	74.00	23.40	150.0	H	253.0	11.8
4817.000000	---	39.60	54.00	14.40	150.0	H	329.0	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: BR_DH5_Low channel
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

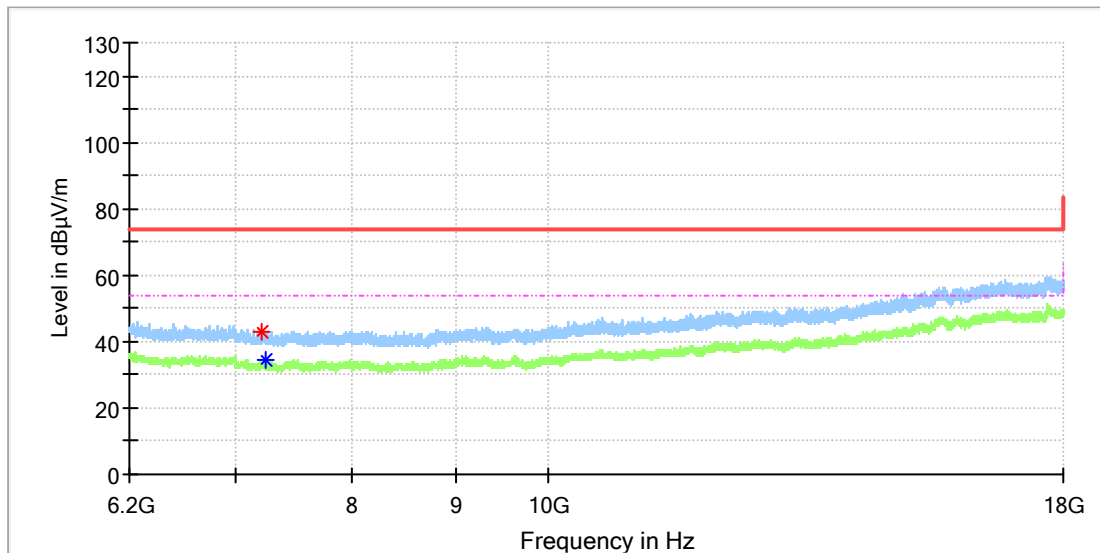
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	51.43	---	74.00	22.57	150.0	V	104.0	11.8
4804.000000	---	41.49	54.00	12.51	150.0	V	104.0	11.8

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: BR_DH5_Low channel
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

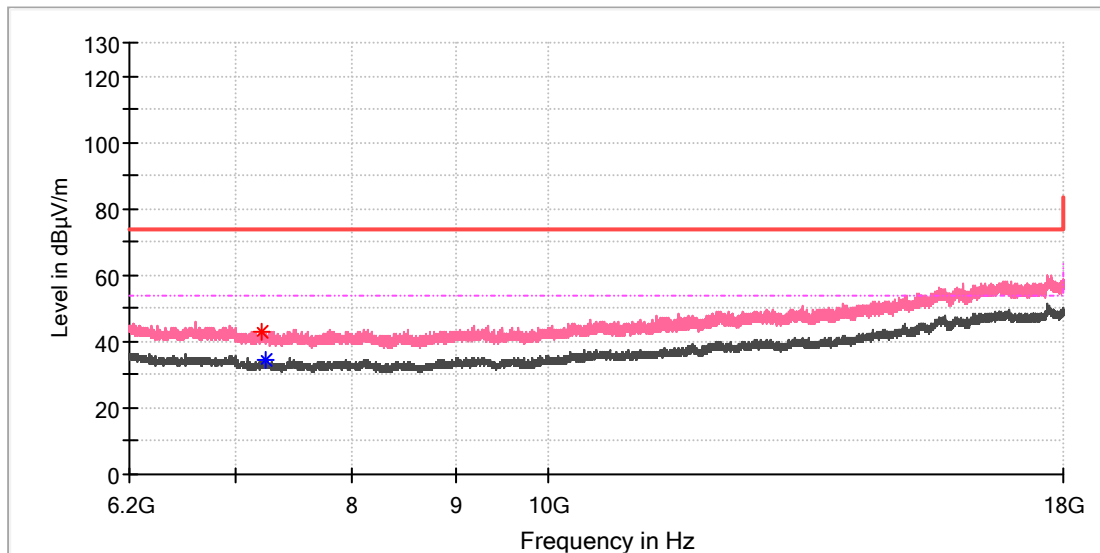
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7209.883333	42.66	---	74.00	31.34	150.0	H	47.0	8.7
7240.858333	---	34.36	54.00	19.64	150.0	H	337.0	8.6

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: BR_DH5_Low channel
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

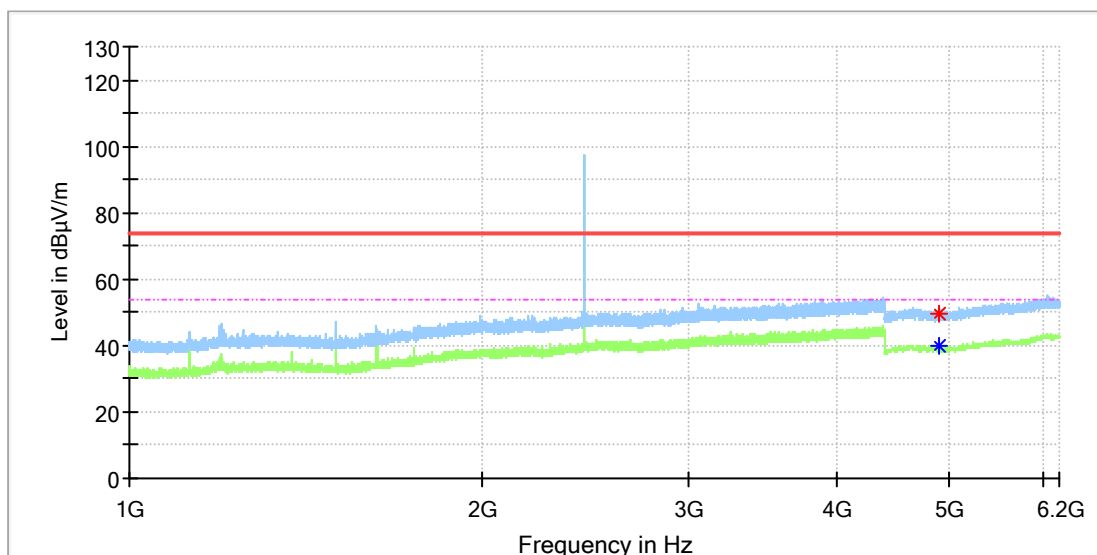
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7212.833333	43.22	---	74.00	30.78	150.0	V	0.0	8.7
7236.433333	---	34.48	54.00	19.52	150.0	V	100.0	8.6

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: BR_DH5_Mid channel
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

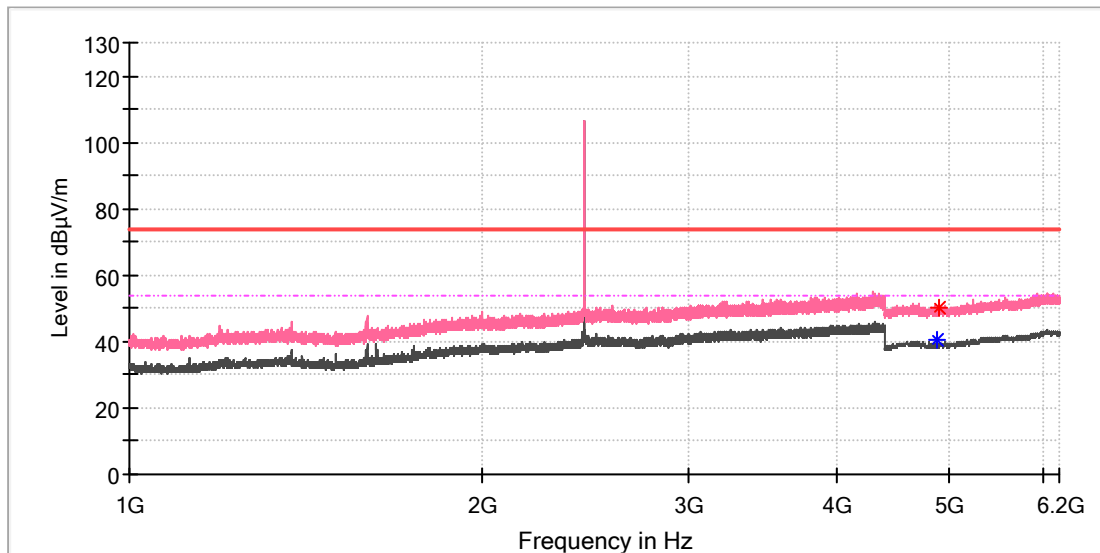
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4893.500000	---	39.77	54.00	14.23	150.0	H	120.0	11.8
4896.500000	49.80	---	74.00	24.20	150.0	H	273.0	11.8

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: BR_DH5_Mid channel
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

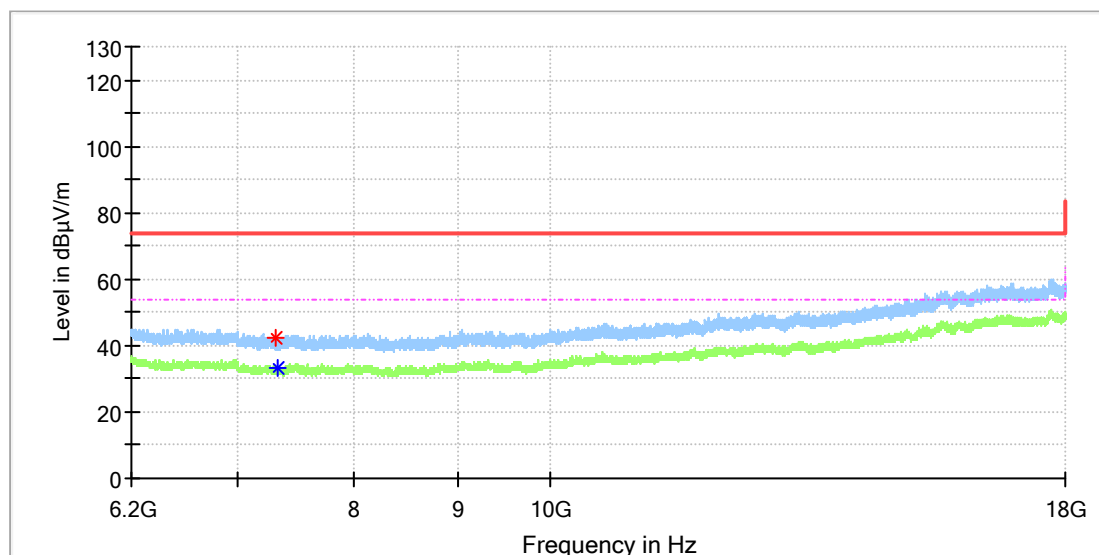
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4882.000000	---	40.51	54.00	13.49	150.0	V	214.0	11.8
4897.000000	50.27	---	74.00	23.73	150.0	V	163.0	11.8

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: BR_DH5_Mid channel
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

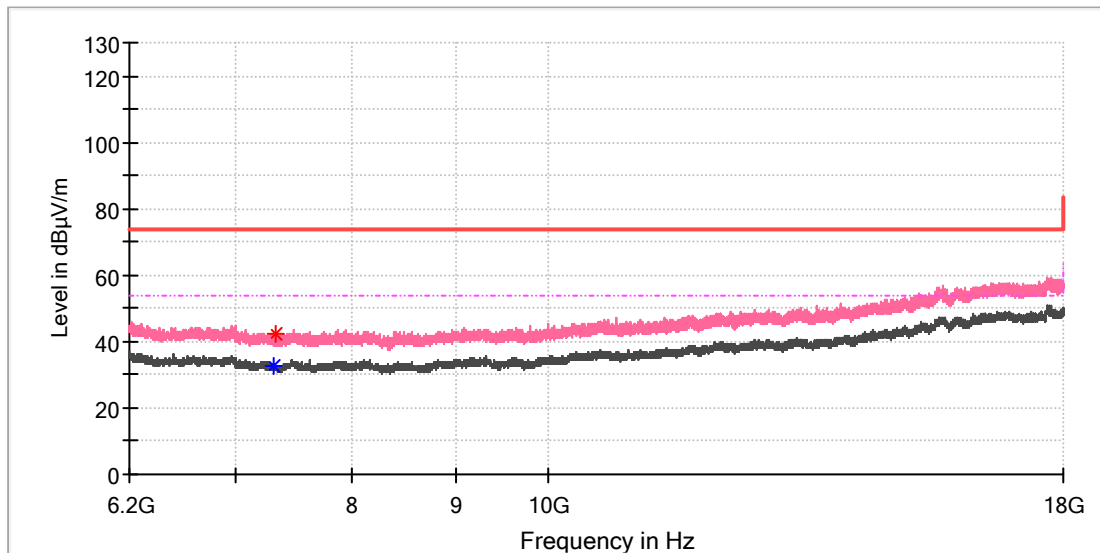
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7306.741667	42.07	---	74.00	31.93	150.0	H	159.0	8.3
7319.033333	---	33.02	54.00	20.98	150.0	H	159.0	8.2

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: BR_DH5_Mid channel
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

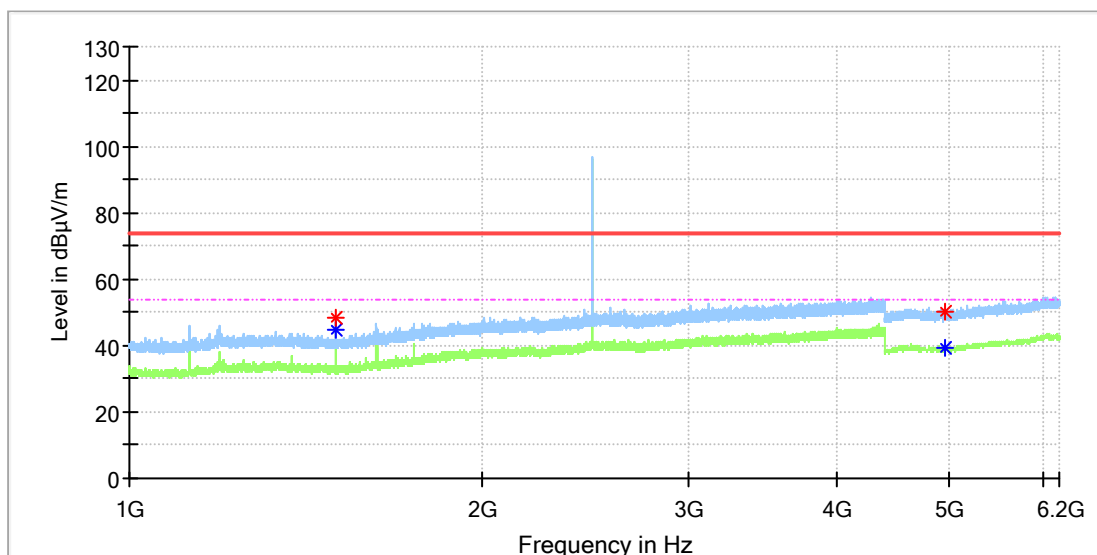
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7305.758333	---	32.93	54.00	21.07	150.0	V	220.0	8.3
7329.358333	42.45	---	74.00	31.55	150.0	V	160.0	8.1

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: BR_DH5_High channel
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

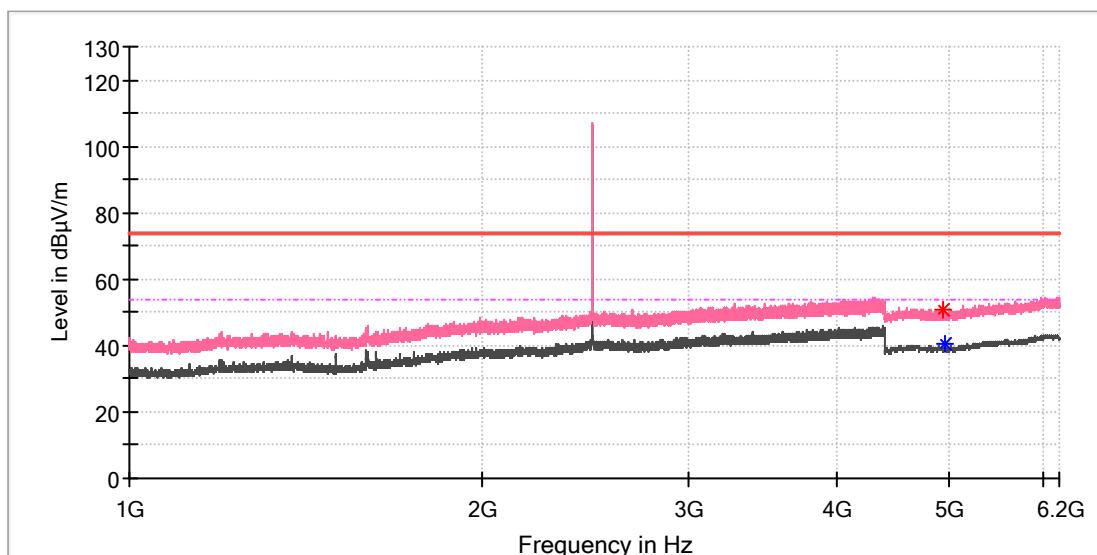
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1499.970000	48.15	---	74.00	25.85	150.0	H	322.0	1.2
1499.970000	---	44.91	54.00	9.09	150.0	H	322.0	1.2
4955.500000	50.29	---	74.00	23.71	150.0	H	331.0	11.8
4964.000000	---	39.54	54.00	14.46	150.0	H	150.0	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: BR_DH5_High channel
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

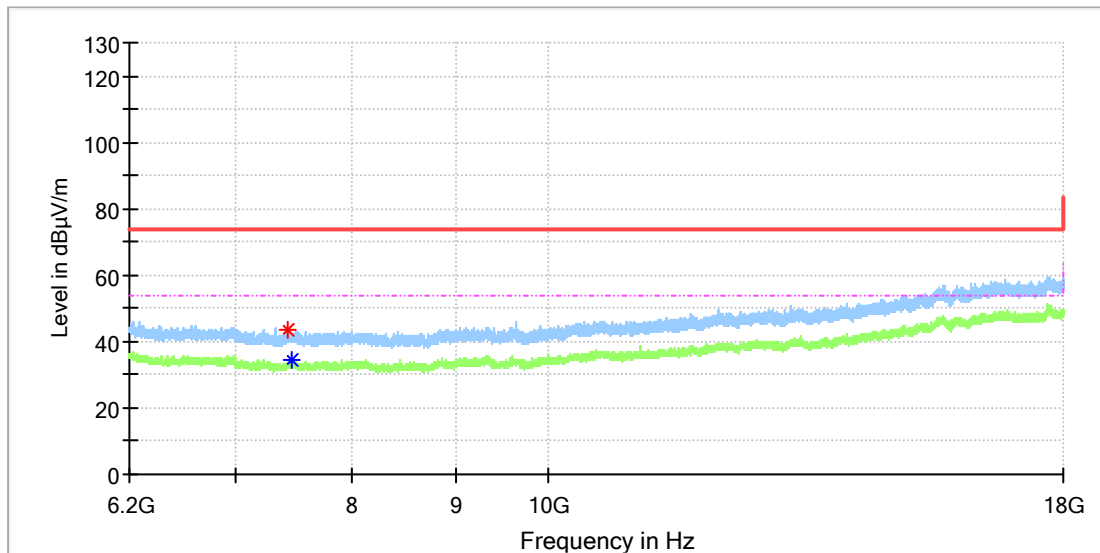
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4942.500000	50.95	---	74.00	23.05	150.0	V	276.0	11.8
4959.500000	---	40.31	54.00	13.69	150.0	V	146.0	11.8

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: BR_DH5_High channel
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

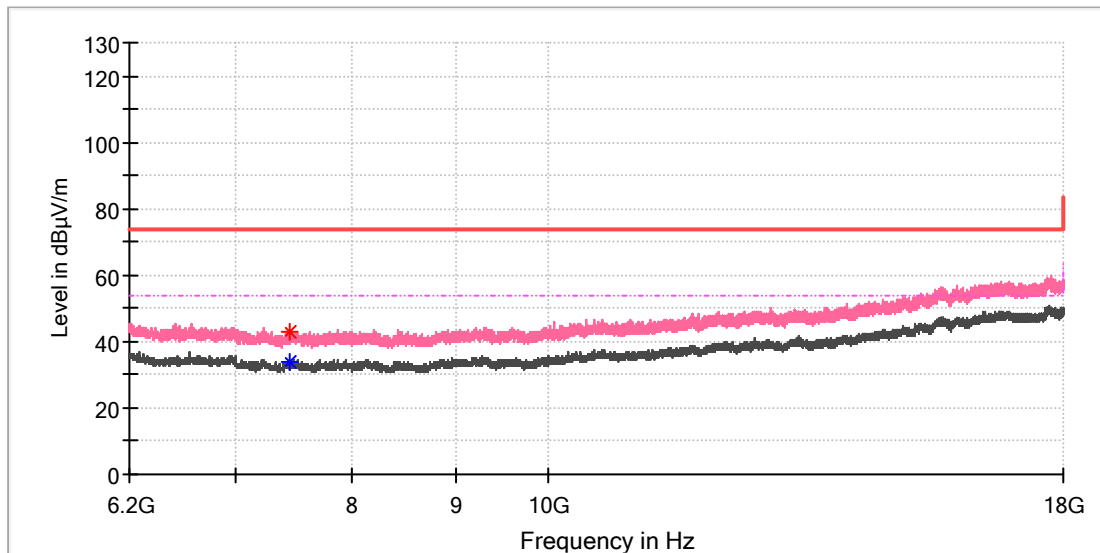
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7435.066667	43.34	---	74.00	30.66	150.0	H	100.0	8.4
7458.175000	---	34.38	54.00	19.62	150.0	H	5.0	8.5

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: BR_DH5_High channel
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)
7439.491667	---	34.10	54.00	19.90	150.0	V	321.0	8.4
7452.766667	42.80	---	74.00	31.20	150.0	V	310.0	8.5

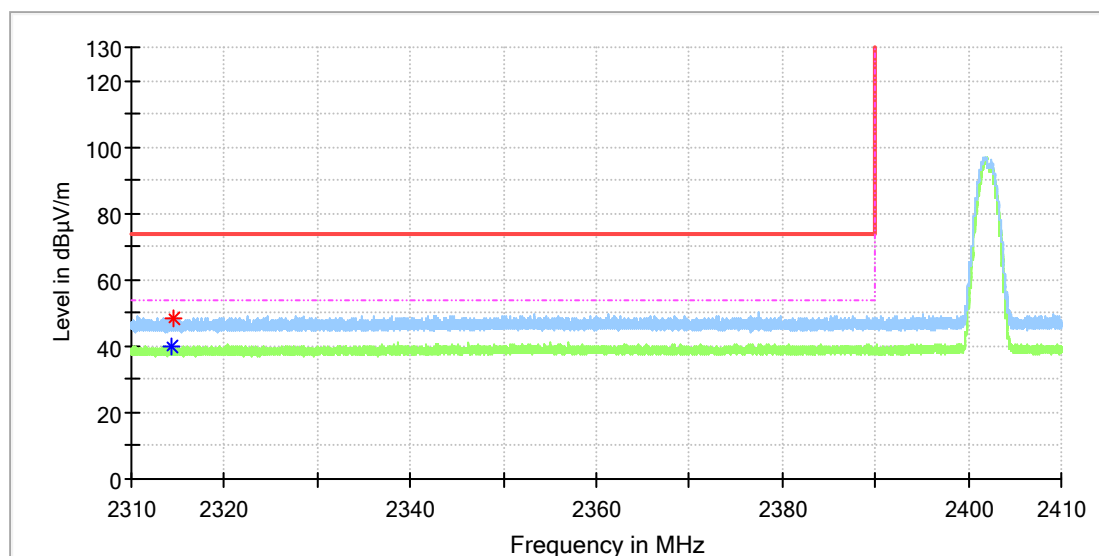
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.8: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	OPS-A
Model:	OPS-1A-8R64S
Test Mode:	BR_DH5_Low channel
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

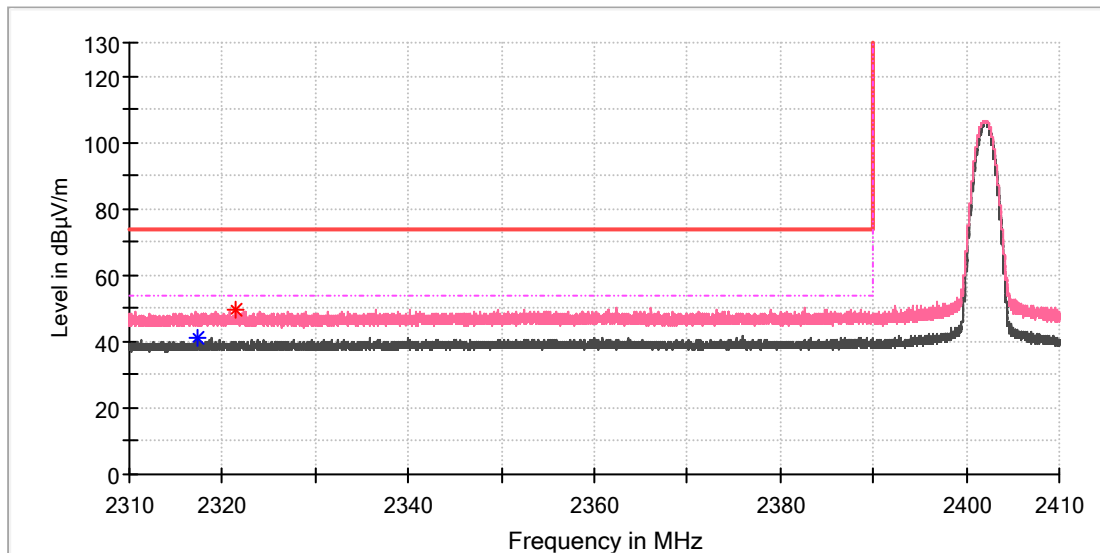
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2314.210000	---	40.11	54.00	13.89	150.0	H	182.0	6.5
2314.445000	48.56	---	74.00	25.44	150.0	H	74.0	6.5

Final Result

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

EUT Information

EUT Name: OPS-A
Model: OPS-1A-8R64S
Test Mode: BR_DH5_Low channel
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

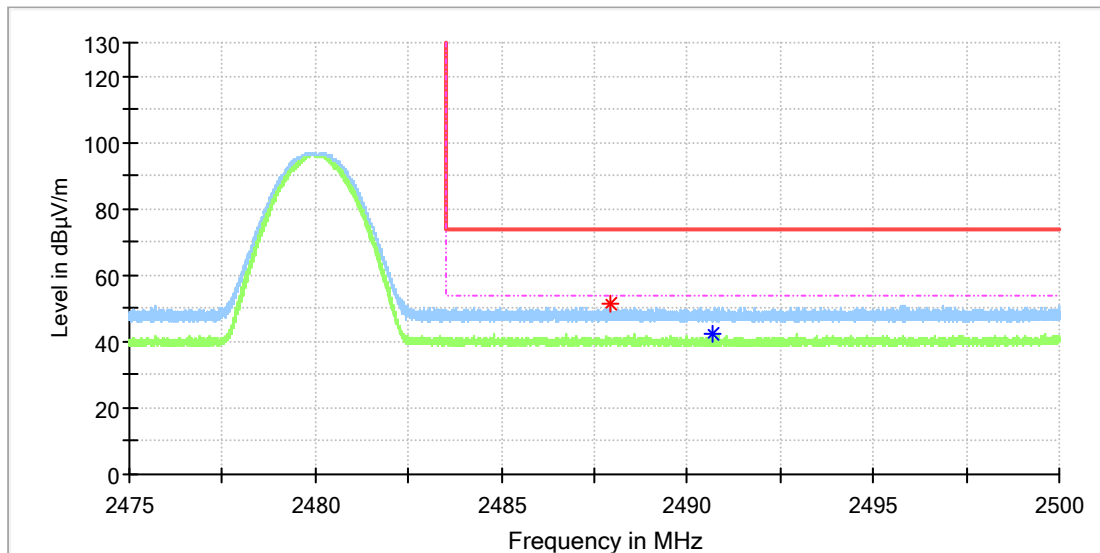
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2317.255000	---	40.97	54.00	13.03	150.0	V	349.0	6.6
2321.445000	49.55	---	74.00	24.45	150.0	V	158.0	6.6

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:	BR_DH5_High channel
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

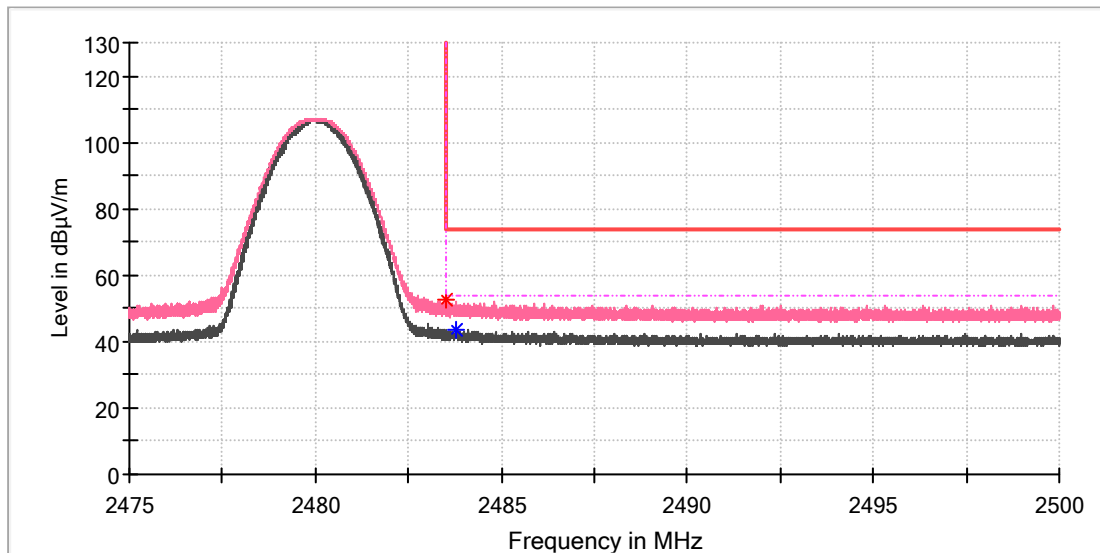
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.906250	51.18	---	74.00	22.82	150.0	H	321.0	7.4
2490.685000	---	42.03	54.00	11.97	150.0	H	285.0	7.4

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:	BR_DH5_High channel
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)
2483.535000	52.49	---	74.00	21.51	150.0	V	0.0	7.4
2483.785000	---	43.41	54.00	10.59	150.0	V	6.0	7.4

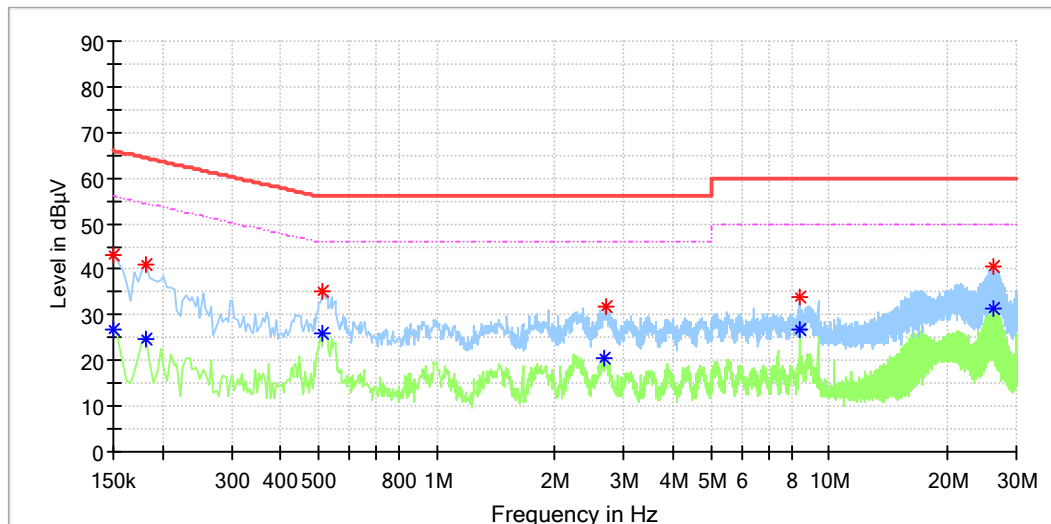
Final Result

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

EUT Information

EUT Name:	OPS-A
Order Number:	168417547(P00935906)
Model:	OPS-1A-8R64S
Test Mode:	Normal Operating with 5.0GHz Wi-Fi and Bluetooth
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Soloman Wu/Gary Chen
Tem./Hum./Pressure:	23.2°C/50.6%/101kPa
Remark:	SR1



Critical Freqs

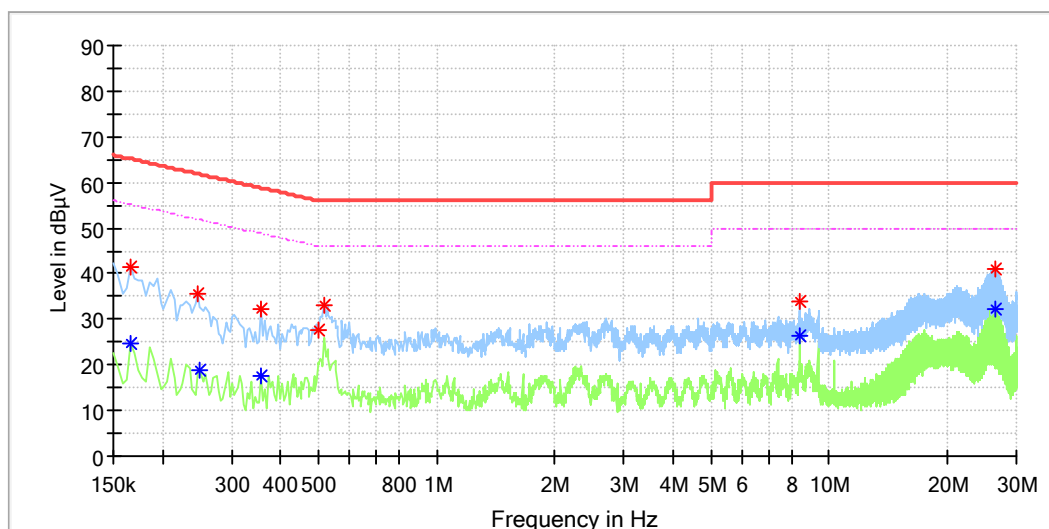
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	26.99	56.00	29.01	L1	9.9
0.150000	43.02	---	66.00	22.98	L1	9.9
0.182000	---	24.85	54.39	29.55	L1	9.9
0.182000	41.21	---	64.39	23.18	L1	9.9
0.514000	---	26.00	46.00	20.00	L1	10.0
0.514000	35.34	---	56.00	20.66	L1	10.0
2.670000	---	20.64	46.00	25.36	L1	10.2
2.694000	31.91	---	56.00	24.09	L1	10.2
8.378000	---	26.66	50.00	23.34	L1	10.3
8.378000	34.00	---	60.00	26.00	L1	10.3
26.270000	---	31.25	50.00	18.75	L1	10.4
26.270000	40.59	---	60.00	19.41	L1	10.4

Final Result

[illegible]

EUT Information

EUT Name:	OPS-A
Order Number:	168417547(P00935906)
Model:	OPS-1A-8R64S
Test Mode:	Normal Operating with 5.0GHz Wi-Fi and Bluetooth
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Soloman Wu/Gary Chen
Tem./Hum./Pressure:	23.2°C/50.6%/101kPa
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.166000	---	24.83	55.16	30.33	N	9.8
0.166000	41.46	---	65.16	23.70	N	9.8
0.246000	35.73	---	61.89	26.16	N	9.8
0.250000	---	18.87	51.76	32.88	N	9.8
0.358000	---	17.43	48.78	31.34	N	9.8
0.358000	32.13	---	58.78	26.64	N	9.8
0.498000	27.61	---	56.03	28.42	N	9.8
0.518000	33.06	---	56.00	22.94	N	9.8
8.382000	---	26.18	50.00	23.82	N	10.0
8.382000	34.03	---	60.00	25.97	N	10.0
26.482000	---	32.20	50.00	17.80	N	10.4
26.482000	40.98	---	60.00	19.02	N	10.4

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
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