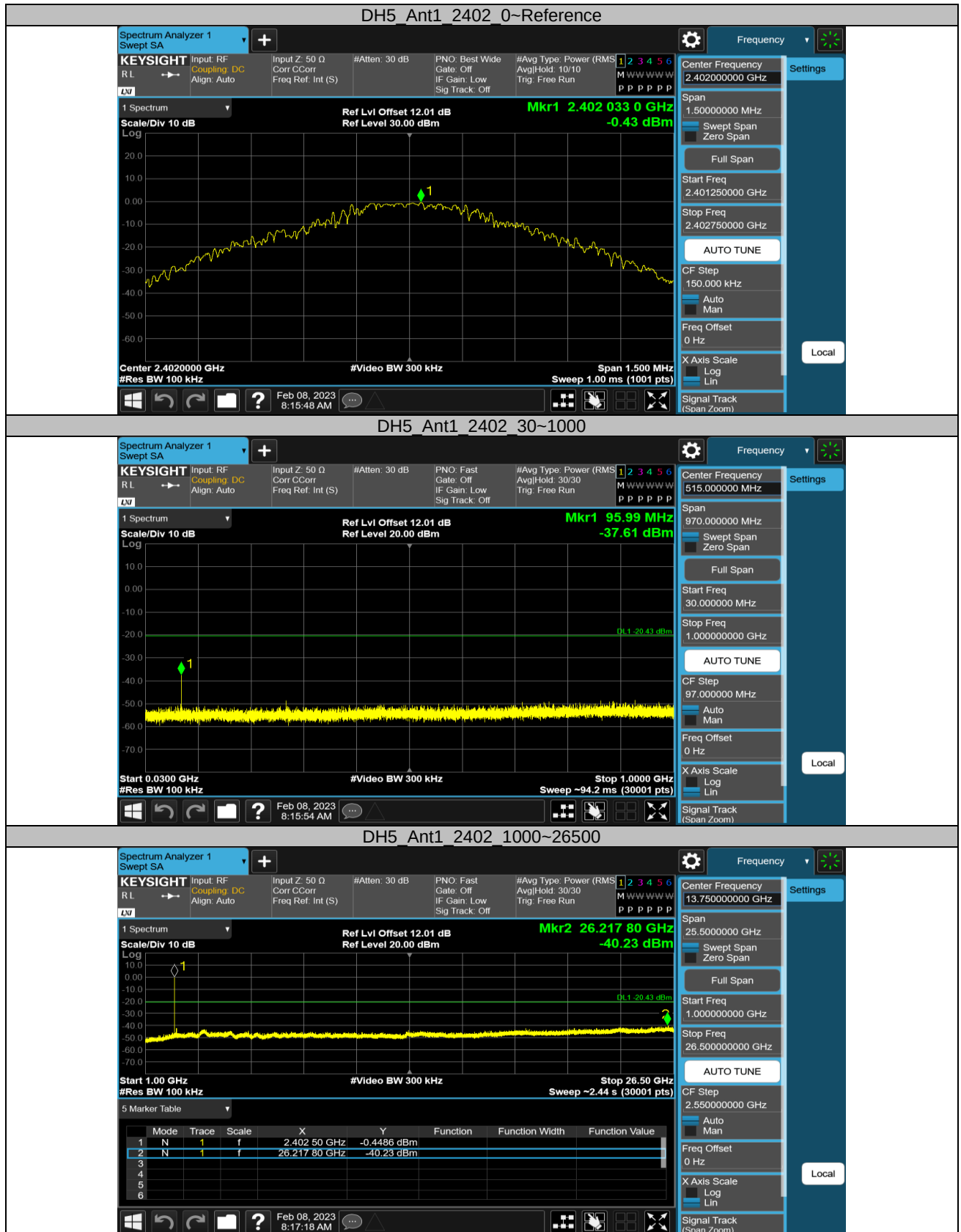
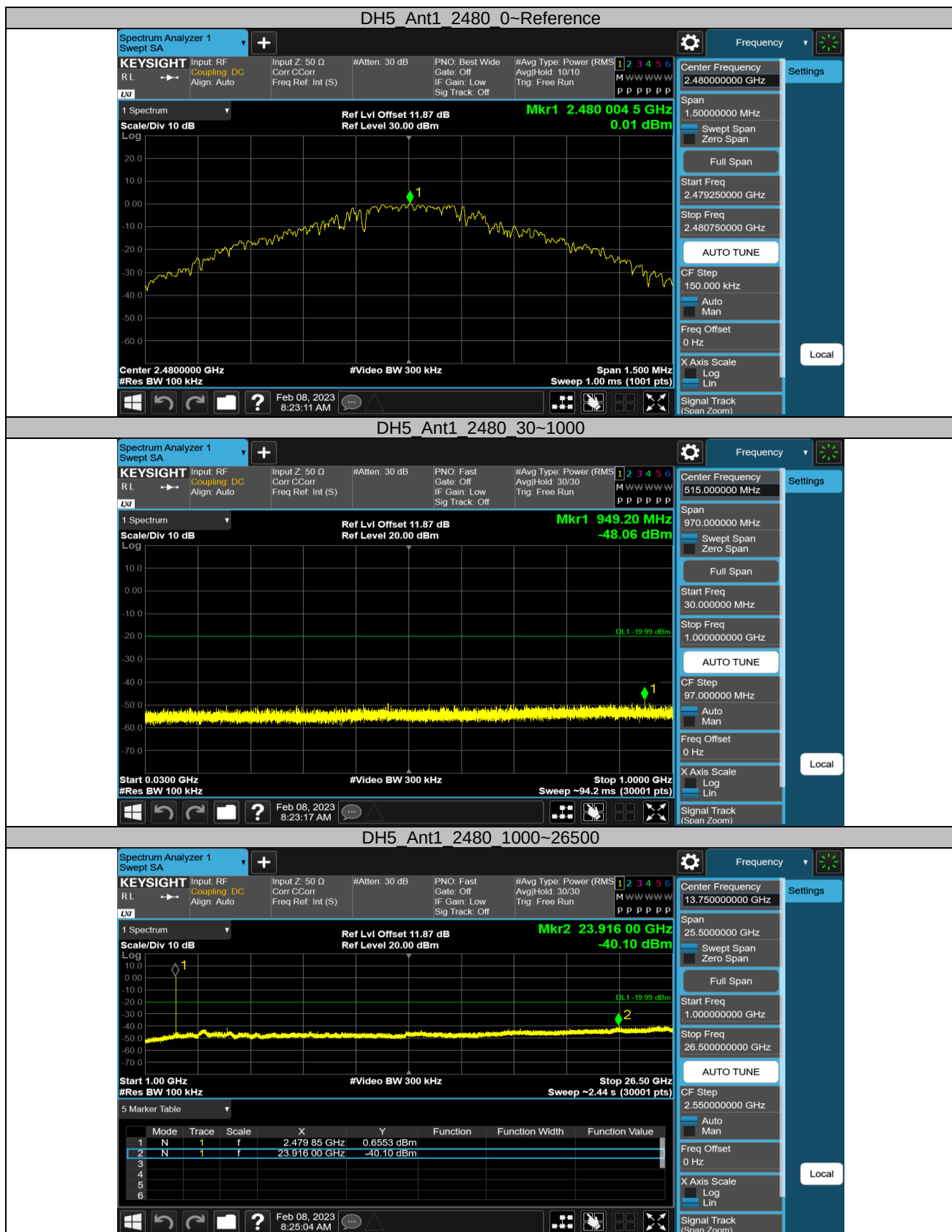


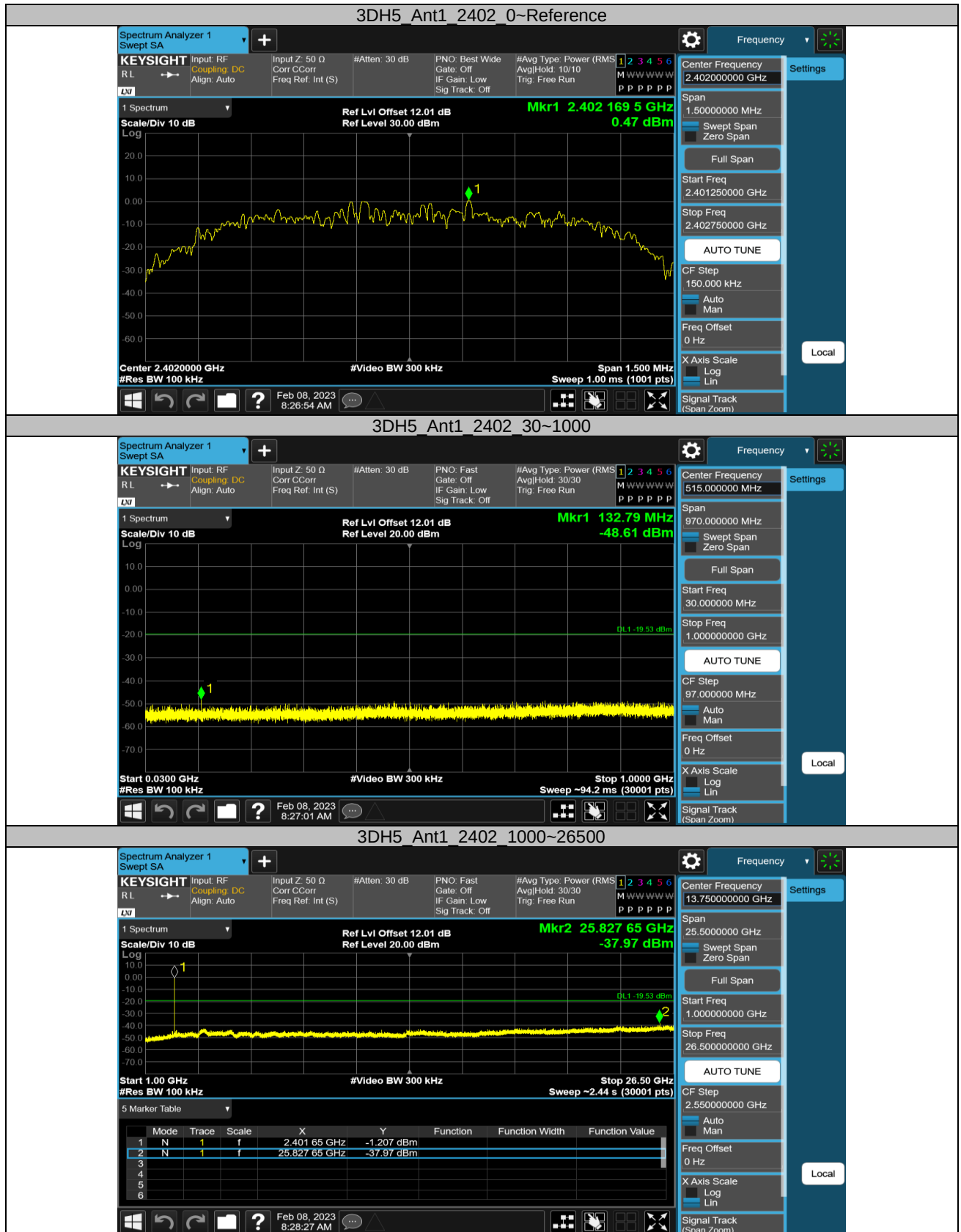
Conducted Spurious Emission

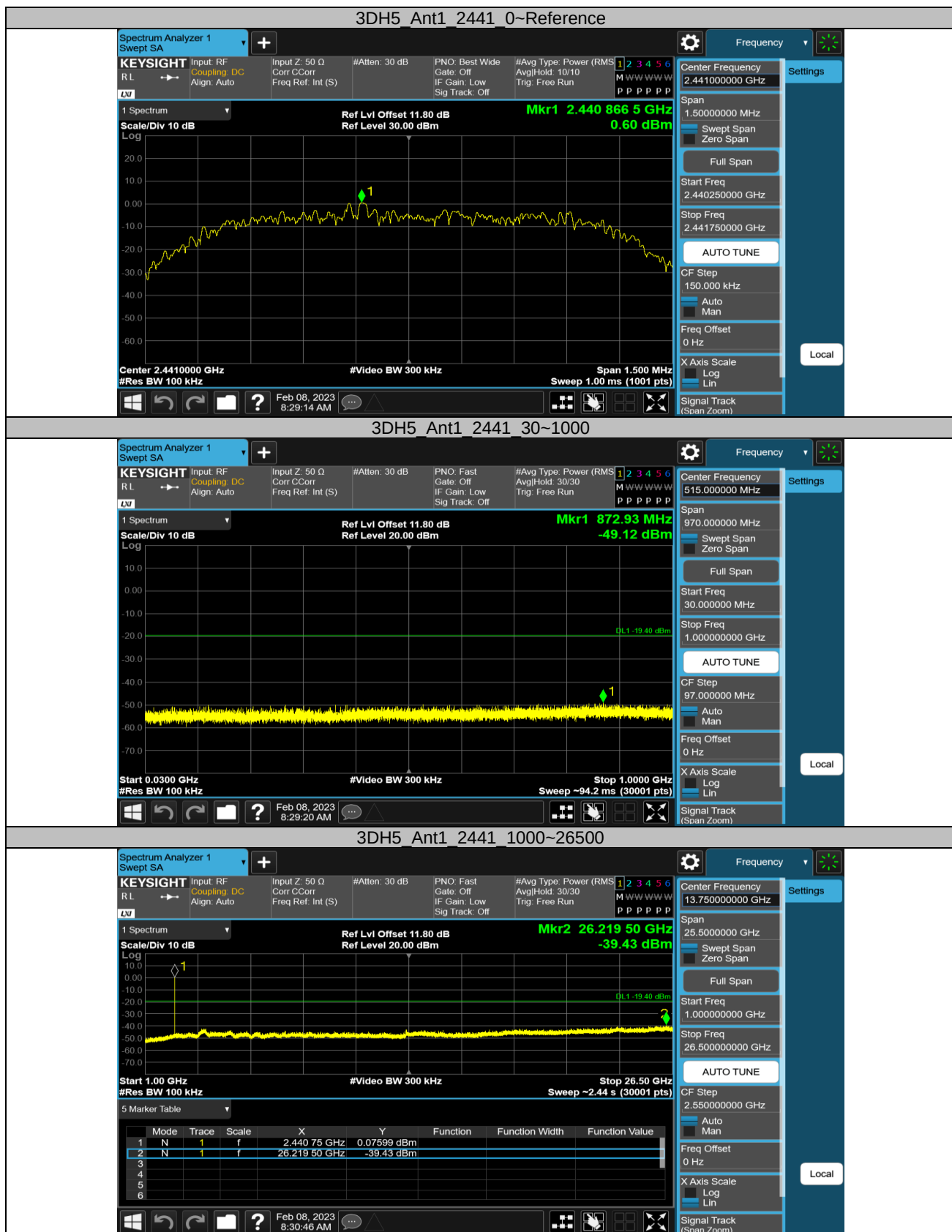
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.43	-0.43	---	PASS
			30~1000	-0.43	-37.61	≤-20.43	PASS
			1000~26500	-0.43	-40.23	≤-20.43	PASS
		2441	Reference	-0.08	-0.08	---	PASS
			30~1000	-0.08	-45.87	≤-20.08	PASS
			1000~26500	-0.08	-40.54	≤-20.08	PASS
		2480	Reference	0.01	0.01	---	PASS
			30~1000	0.01	-48.06	≤-19.99	PASS
			1000~26500	0.01	-40.1	≤-19.99	PASS
3DH5	Ant1	2402	Reference	0.47	0.47	---	PASS
			30~1000	0.47	-48.61	≤-19.53	PASS
			1000~26500	0.47	-37.97	≤-19.53	PASS
		2441	Reference	0.60	0.60	---	PASS
			30~1000	0.60	-49.12	≤-19.4	PASS
			1000~26500	0.60	-39.43	≤-19.4	PASS
		2480	Reference	-2.63	-2.63	---	PASS
			30~1000	-2.63	-36.58	≤-22.63	PASS
			1000~26500	-2.63	-38.74	≤-22.63	PASS

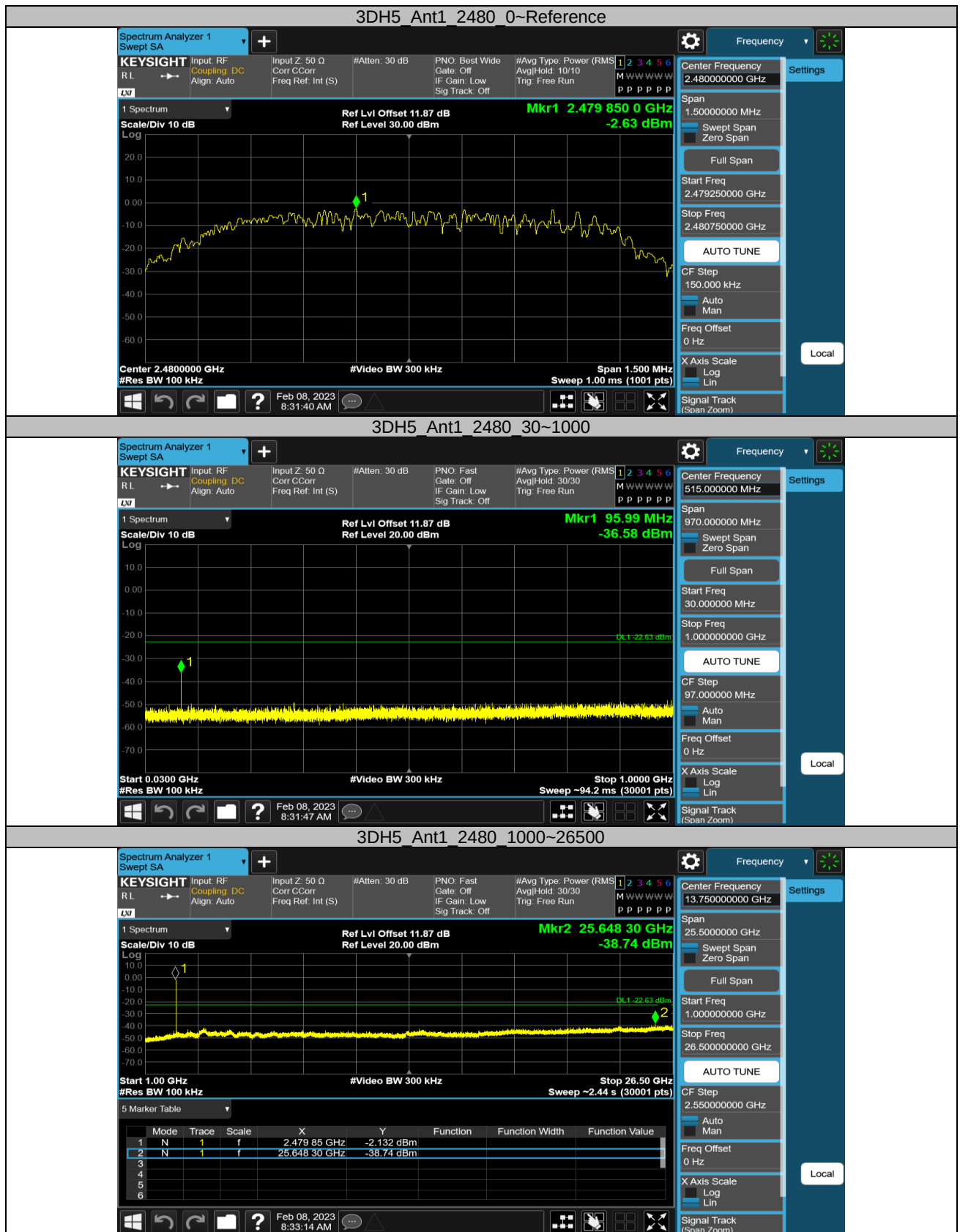












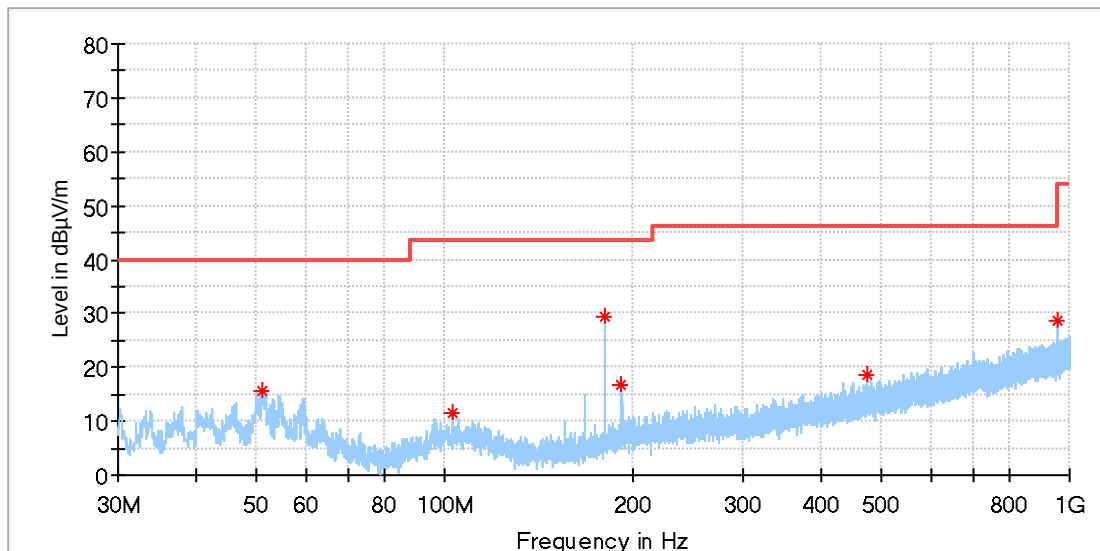
Appendix A.7: Test Results of Radiated Spurious Emissions

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

30 MHz - 1GHz

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

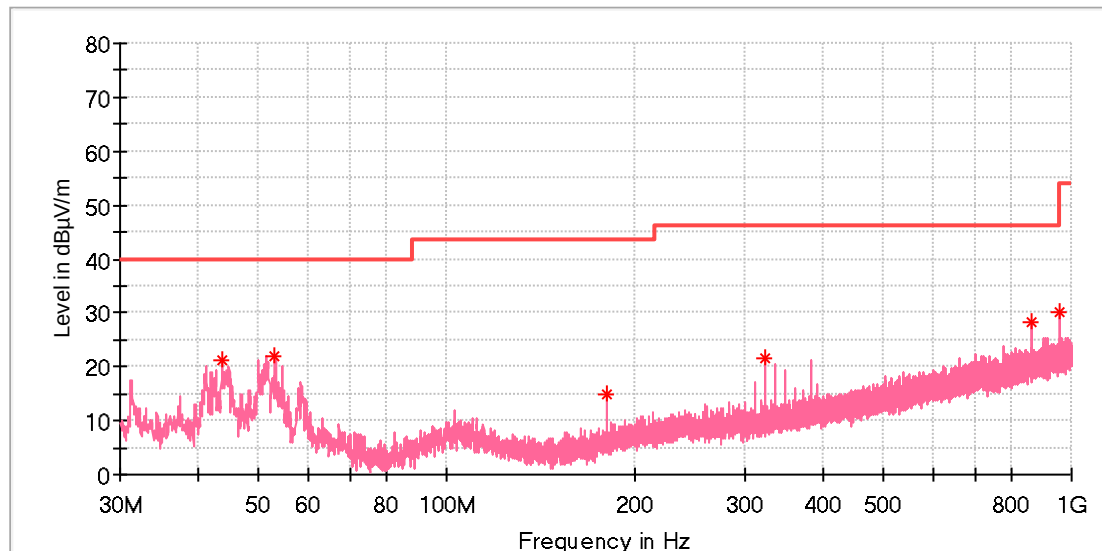
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.041539	15.58	40.00	24.42	100.0	H	150.0	-18.6
103.123077	11.53	43.50	31.97	100.0	H	265.0	-19.2
180.014231	29.32	43.50	14.18	100.0	H	6.0	-20.8
191.990000	16.82	43.50	26.68	100.0	H	0.0	-19.7
472.767692	18.75	46.00	27.25	100.0	H	318.0	-12.7
960.006154	28.47	54.00	25.53	100.0	H	318.0	-4.7

Final Result

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

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
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)
43.729231	21.04	40.00	18.96	100.0	V	49.0	-19.4
53.130769	22.12	40.00	17.88	100.0	V	283.0	-18.7
180.014231	15.04	43.50	28.46	100.0	V	119.0	-20.8
324.021923	21.54	46.00	24.46	100.0	V	0.0	-15.9
864.013462	28.13	46.00	17.87	100.0	V	306.0	-5.7
960.006154	29.99	54.00	24.01	100.0	V	267.0	-4.7

Final Result

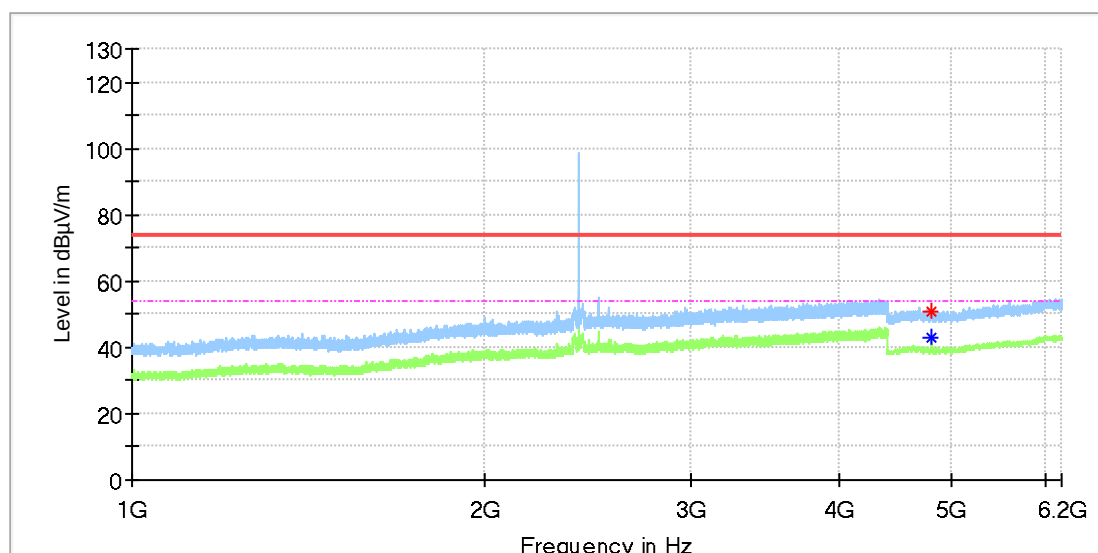
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

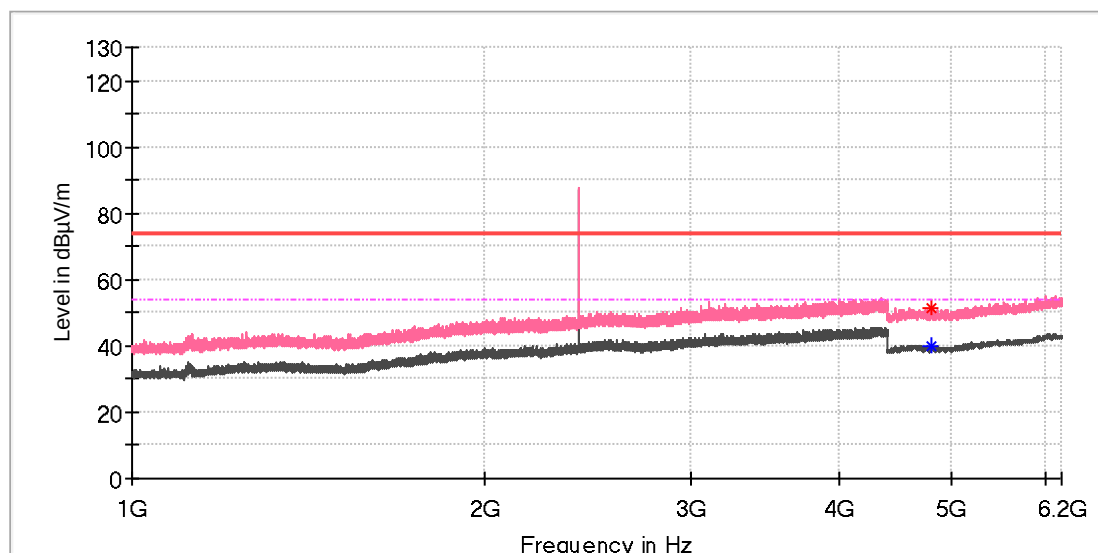
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.000000	51.01	---	74.00	22.99	100.0	H	273.0	11.8
4803.500000	---	42.63	54.00	11.37	100.0	H	267.0	11.8

Final_Result

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

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

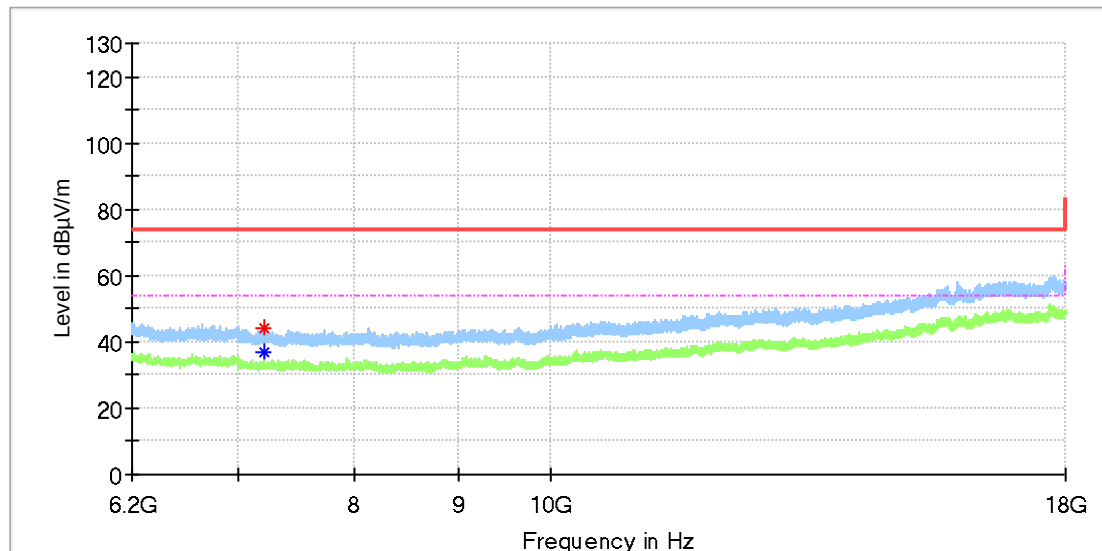
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.000000	51.20	---	74.00	22.80	100.0	V	188.0	11.8
4804.000000	---	39.62	54.00	14.38	100.0	V	53.0	11.8

Final Result

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

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

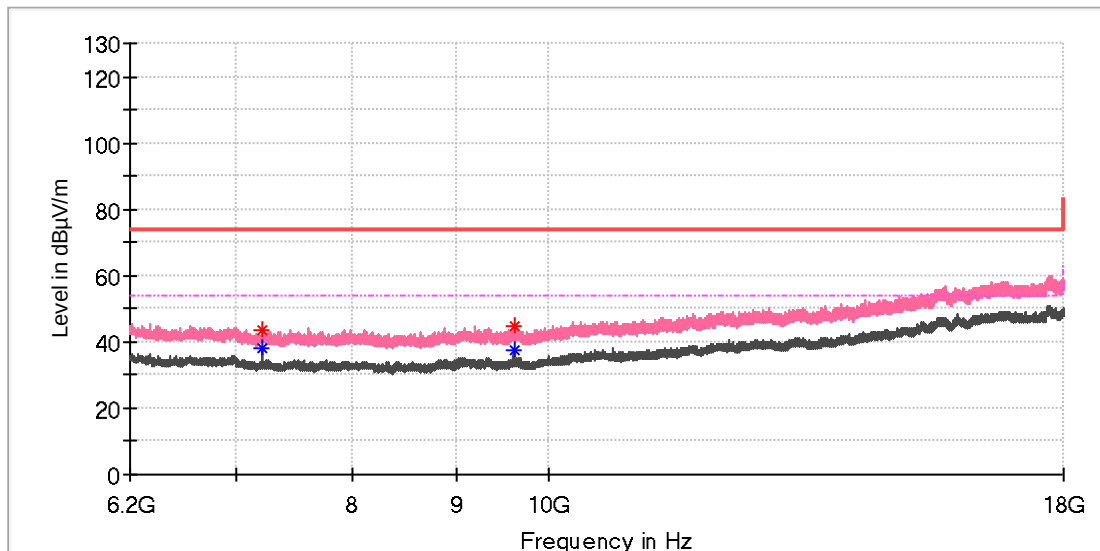
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.950000	44.06	---	74.00	29.94	100.0	H	288.0	8.8
7205.950000	---	36.95	54.00	17.05	100.0	H	288.0	8.8

Final Result

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

EUT Information

EUT Name: Wireless Headphones
Model: HPBTBKPRM
Test Mode: BR_DH5_Low channel
Order No/Sample No: 168412428/A003402720-007
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

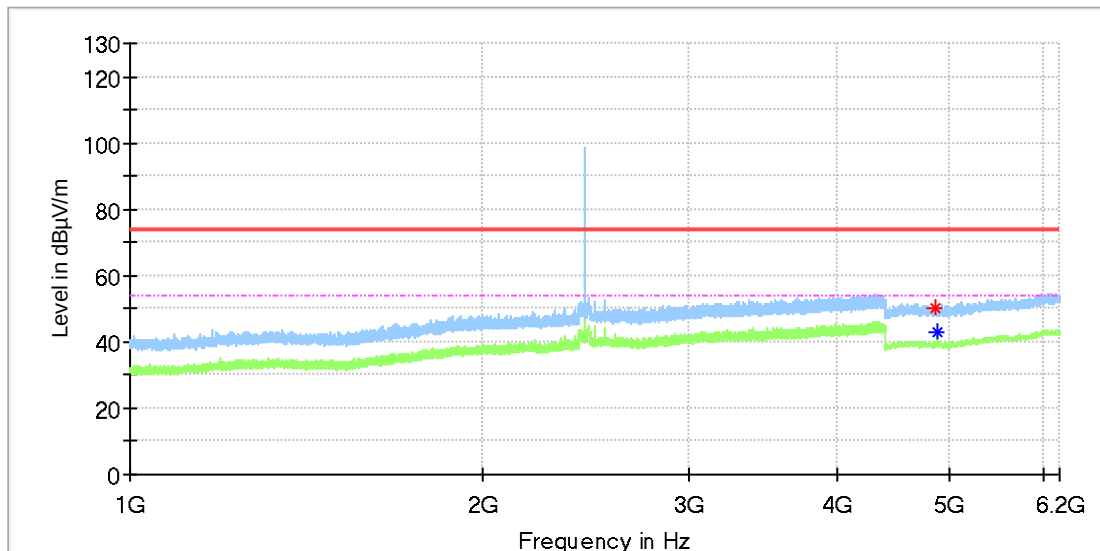
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.950000	---	37.83	54.00	16.17	100.0	V	340.0	8.8
7206.441667	43.46	---	74.00	30.54	100.0	V	15.0	8.8
9607.741667	---	37.34	54.00	16.66	100.0	V	110.0	10.4
9609.216667	44.54	---	74.00	29.46	100.0	V	74.0	10.4

Final_Result

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

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

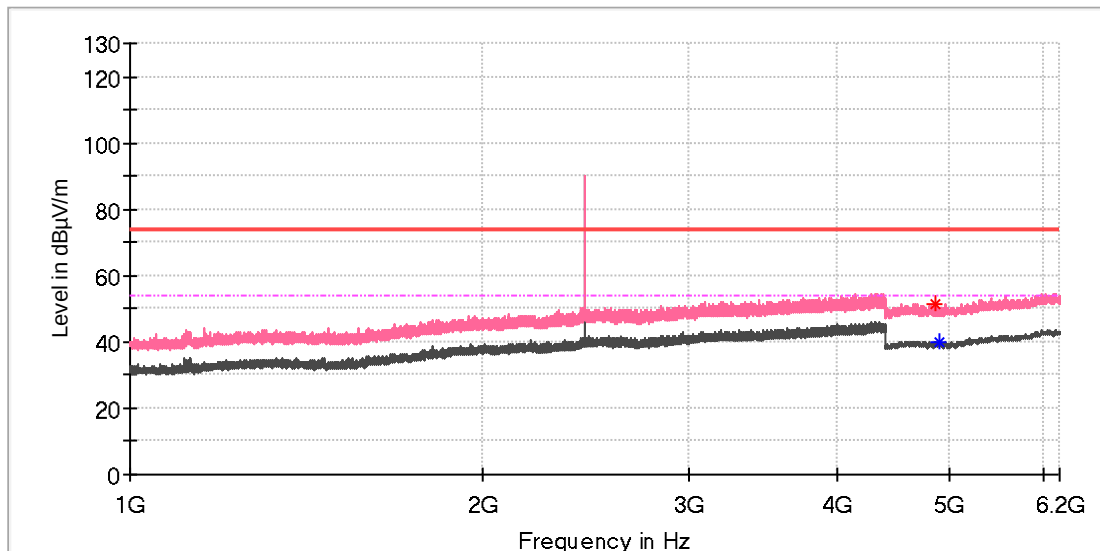
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4863.000000	50.46	---	74.00	23.54	100.0	H	181.0	11.8
4882.000000	---	42.67	54.00	11.33	100.0	H	72.0	11.8

Final Result

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

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

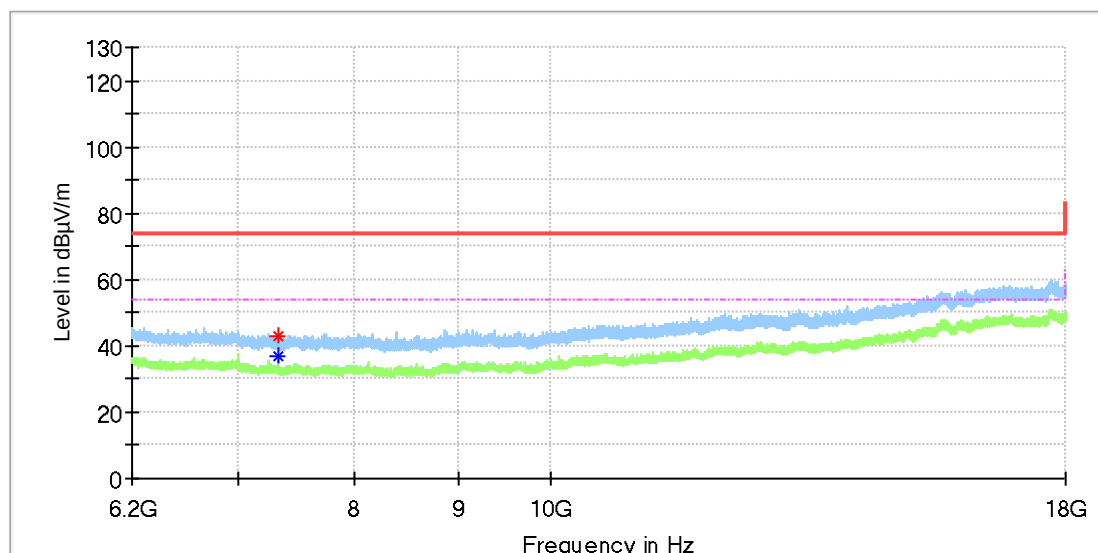
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4851.000000	51.29	---	74.00	22.71	100.0	V	41.0	11.8
4895.500000	---	39.95	54.00	14.05	100.0	V	182.0	11.8

Final Result

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

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

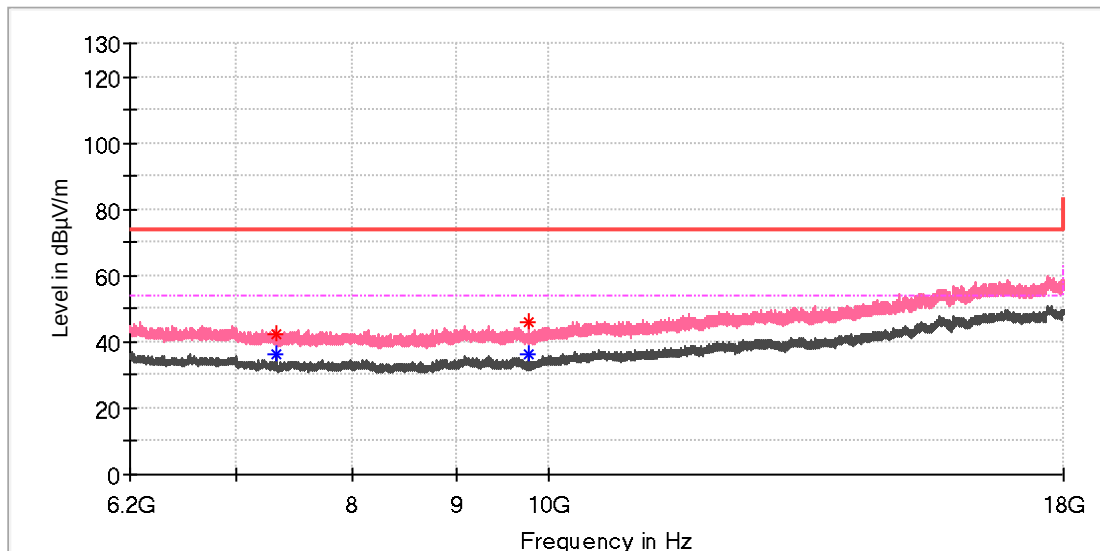
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.966667	43.04	---	74.00	30.96	100.0	H	306.0	8.2
7322.966667	---	37.16	54.00	16.84	100.0	H	306.0	8.2

Final_Result

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

EUT Information

EUT Name: Wireless Headphones
Model: HPBTBKPRM
Test Mode: BR_DH5_Mid channel
Order No/Sample No: 168412428/A003402720-007
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

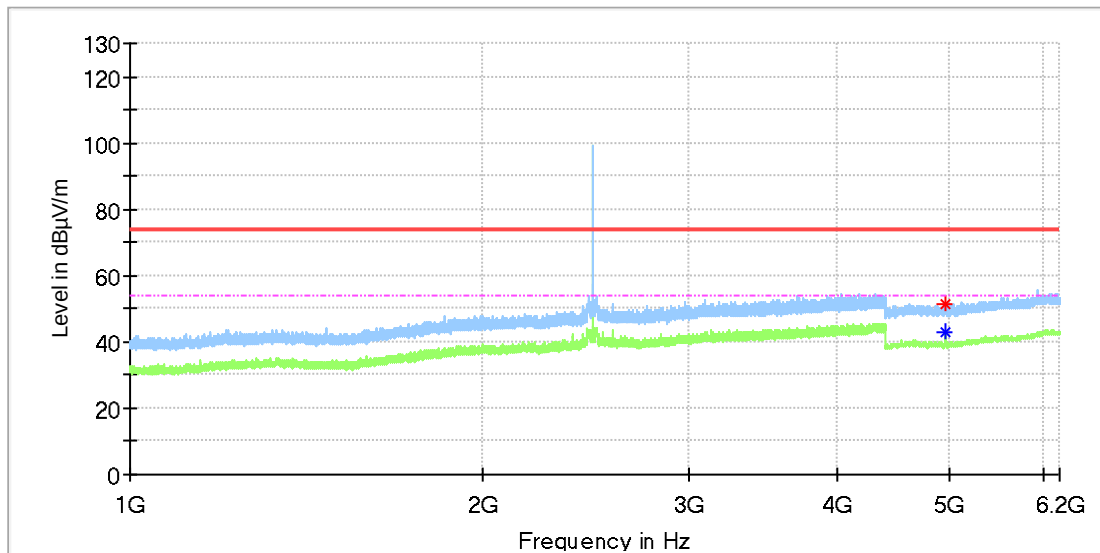
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.966667	---	36.41	54.00	17.59	100.0	V	0.0	8.2
7323.458333	42.50	---	74.00	31.50	100.0	V	0.0	8.2
9763.600000	45.87	---	74.00	28.13	100.0	V	249.0	10.4
9764.091667	---	36.00	54.00	18.00	100.0	V	16.0	10.4

Final Result

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

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

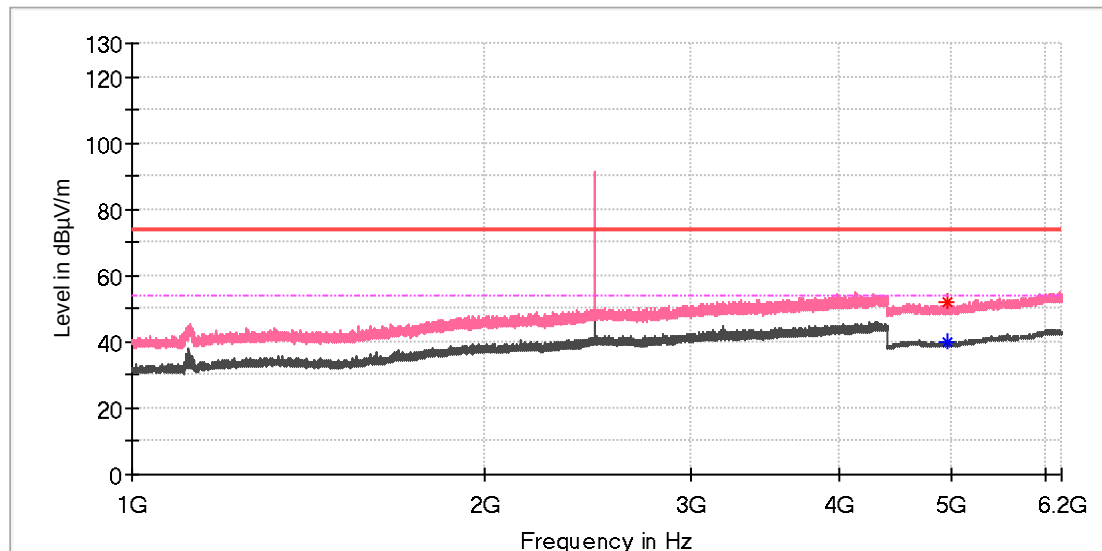
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.500000	51.59	---	74.00	22.41	100.0	H	251.0	11.8
4960.000000	---	43.10	54.00	10.90	100.0	H	243.0	11.8

Final Result

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

EUT Information

EUT Name: Wireless Headphones
Model: HPBTBKPRM
Test Mode: BR_DH5_High channel
Order No/Sample No: 168412428/A003402720-007
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

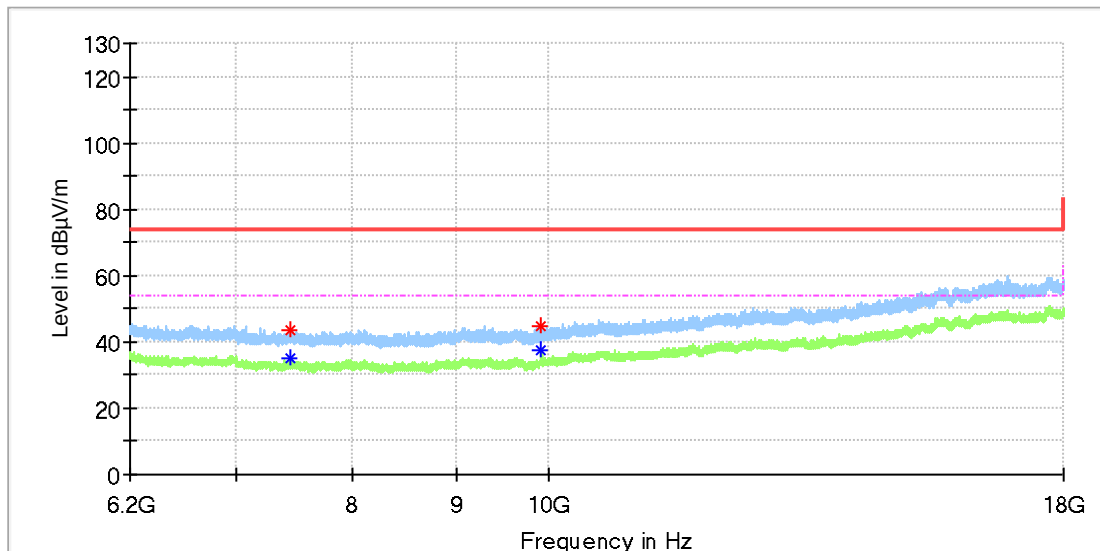
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4947.500000	51.75	---	74.00	22.25	150.0	V	1.0	11.8
4959.500000	---	39.84	54.00	14.16	100.0	V	147.0	11.8

Final Result

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

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

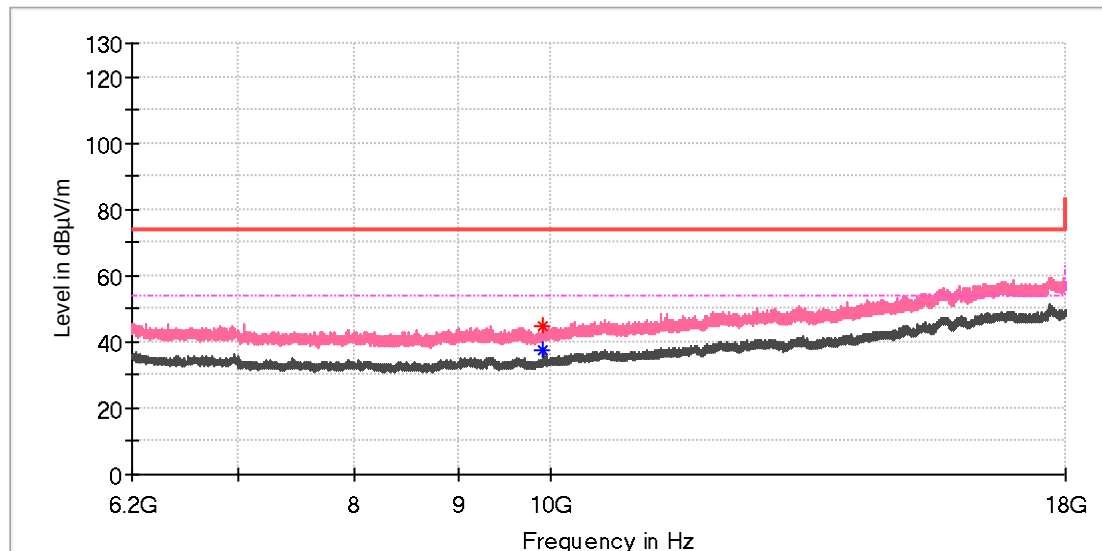
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.983333	---	35.33	54.00	18.67	100.0	H	101.0	8.4
7440.475000	43.26	---	74.00	30.74	100.0	H	125.0	8.4
9919.950000	44.77	---	74.00	29.23	100.0	H	77.0	10.8
9919.950000	---	37.65	54.00	16.35	100.0	H	77.0	10.8

Final Result

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

EUT Information

EUT Name: Wireless Headphones
Model: HPBTBKPRM
Test Mode: BR_DH5_High channel
Order No/Sample No: 168412428/A003402720-007
Test Voltage: Battery
Remark: Temp 22 Humi:52%
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)
9919.950000	44.57	---	74.00	29.43	100.0	V	246.0	10.8
9919.950000	---	37.72	54.00	16.28	100.0	V	246.0	10.8

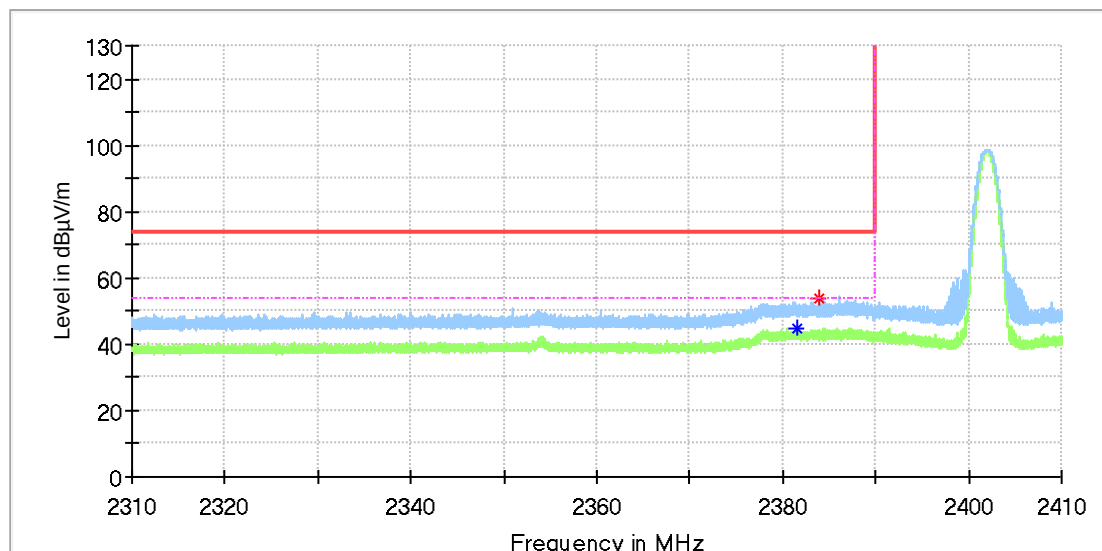
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/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: Wireless Headphones
Model: HPBTBKPRM
Test Mode: BR_DH5_Low channel
Order No/Sample No: 168412428/A003402720-007
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

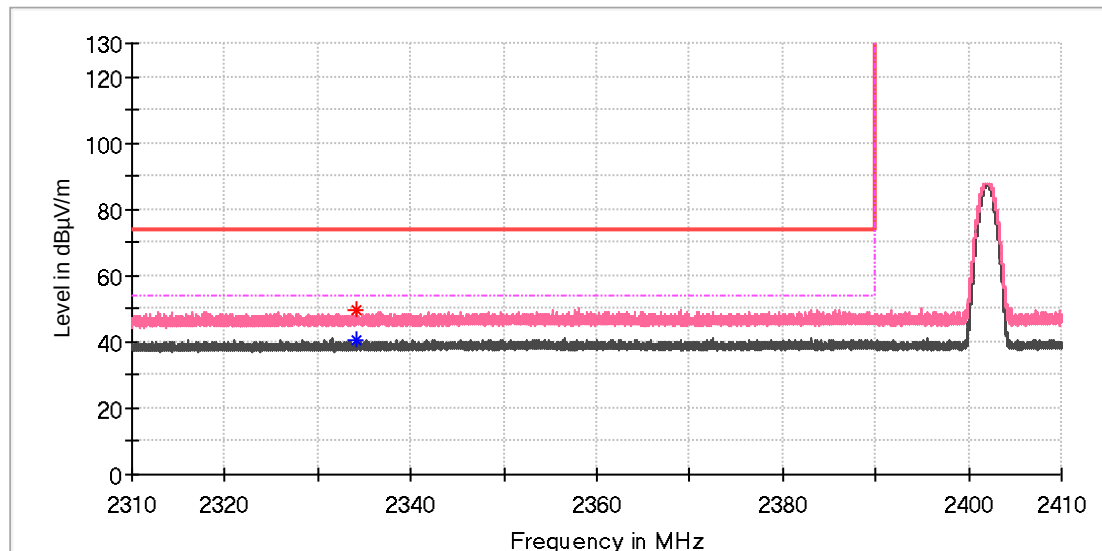
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2381.590000	---	44.95	54.00	9.05	100.0	H	356.0	7.0
2383.955000	53.73	---	74.00	20.27	100.0	H	0.0	7.0

Final Result

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

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

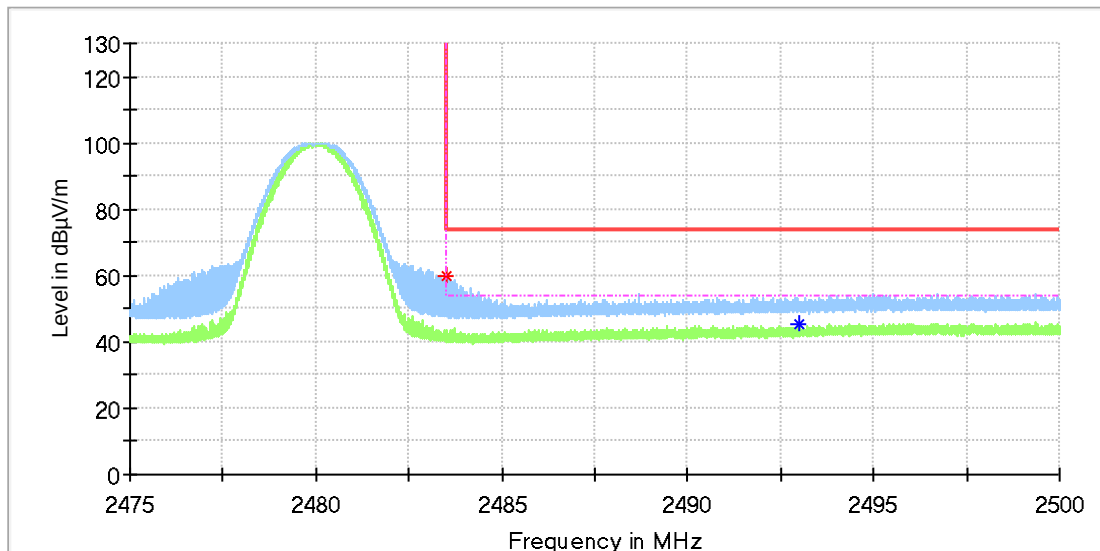
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2334.110000	49.31	---	74.00	24.69	100.0	V	164.0	6.7
2334.135000	---	40.61	54.00	13.39	100.0	V	2.0	6.7

Final Result

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

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

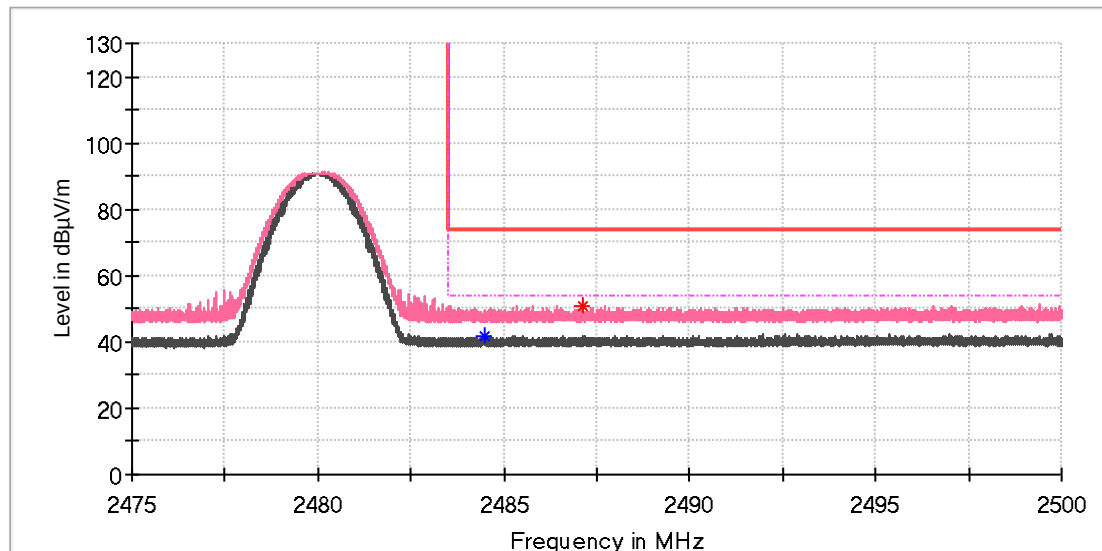
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.503750	59.64	---	74.00	14.36	100.0	H	6.0	7.4
2493.008750	---	45.32	54.00	8.68	100.0	H	356.0	7.4

Final Result

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

EUT Information

EUT Name:	Wireless Headphones
Model:	HPBTBKPRM
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168412428/A003402720-007
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
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)
2484.463750	---	41.55	54.00	12.45	100.0	V	345.0	7.4
2487.102500	50.96	---	74.00	23.04	100.0	V	284.0	7.4

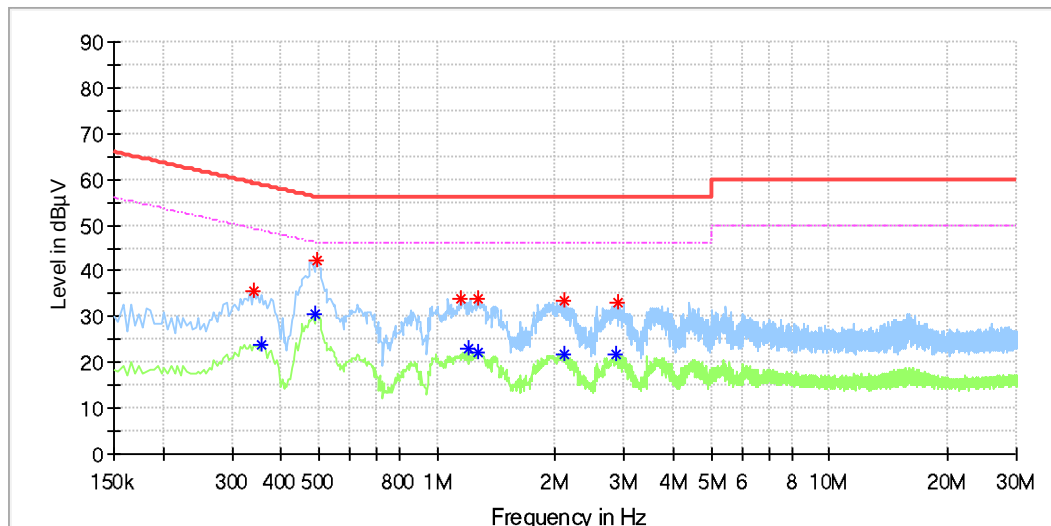
Final Result

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:	Wireless Headphones
Order Number:	168412428
Model:	HPBTBKPRM
Test Mode:	BT Link + Charging
Test Voltage:	AC 120V, 60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Charlie Zha / Gary Chen
Tem./Hum./Pressure:	23.3°C/50.6%/101kPa
Remark:	SR1

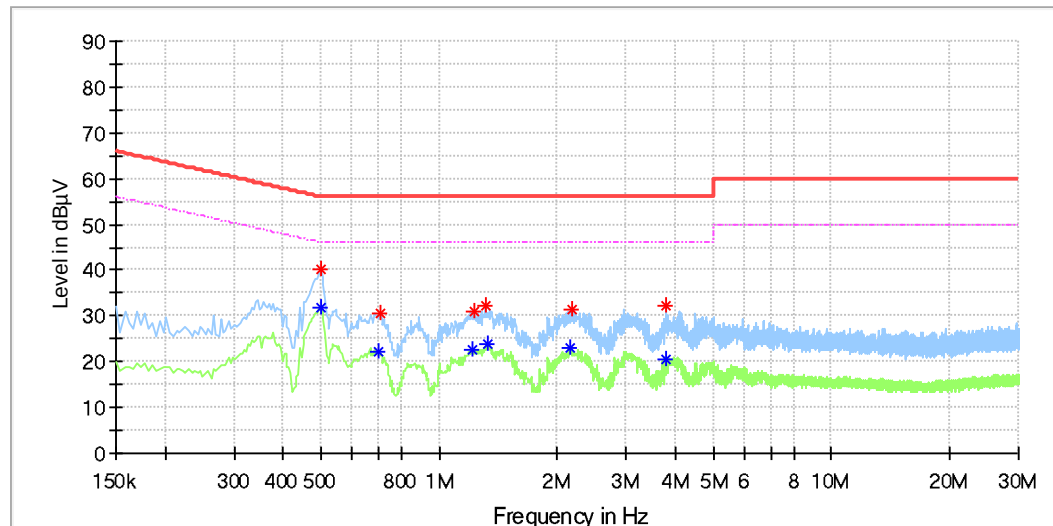


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.342000	35.64	---	59.16	23.51	L1	10.0
0.358000	---	23.95	48.78	24.83	L1	10.0
0.490000	---	30.46	46.17	15.70	L1	10.0
0.494000	42.18	---	56.10	13.92	L1	10.0
1.144000	34.08	---	56.00	21.92	L1	9.8
1.200000	---	22.97	46.00	23.03	L1	9.8
1.272000	---	22.36	46.00	23.64	L1	9.8
1.272000	33.73	---	56.00	22.27	L1	9.8
2.100000	---	21.68	46.00	24.32	L1	9.9
2.116000	33.35	---	56.00	22.65	L1	9.9
2.852000	---	21.96	46.00	24.04	L1	10.1
2.880000	33.05	---	56.00	22.95	L1	10.1

EUT Information

EUT Name: Wireless Headphones
Order Number: 168412428
Model: HPBTBKPRM
Test Mode: BT Link + Charging
Test Voltage: AC 120V, 60Hz
Test Standard: FCC Part 15
Test By:/Review By: Charlie Zha / Gary Chen
Tem./Hum./Pressure: 23.3°C/50.6%/101kPa
Remark: SR1



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.500000	---	31.73	46.00	14.27	N	9.8
0.500000	40.13	---	56.00	15.87	N	9.8
0.704000	---	22.11	46.00	23.89	N	9.9
0.712000	30.68	---	56.00	25.32	N	9.9
1.212000	---	22.59	46.00	23.41	N	9.8
1.232000	31.13	---	56.00	24.87	N	9.8
1.308000	32.29	---	56.00	23.71	N	9.8
1.332000	---	23.71	46.00	22.29	N	9.8
2.156000	---	22.83	46.00	23.17	N	10.0
2.172000	31.26	---	56.00	24.74	N	10.0
3.800000	---	20.37	46.00	25.63	N	10.1
3.800000	32.14	---	56.00	23.86	N	10.1