Appendix A: Test Results of Bluetooth BR & EDR

APPENDIX A: TEST RESULTS OF BLUETOOTH BR & EDR **1**
APPENDIX A.1: TEST RESULTS OF 20DB BANDWIDTH 2
Test Result *2*
Test Graphs *3*
APPENDIX A.2: TEST RESULTS OF 99% BANDWIDTH 5
Test Result *5*
Test Graphs *6*
APPENDIX A.3: TEST RESULTS OF CARRIER FREQUENCY SEPARATION 8
Test Result *8*
Test Graphs *9*
APPENDIX A.4: TEST RESULTS OF TIME OF OCCUPANCY 10
Test Result *10*
Test Graphs *11*
APPENDIX A.5: TEST RESULTS OF NUMBER OF HOPPING FREQUENCY 15
Test Result *15*
Test Graphs *16*
APPENDIX A.6: TEST RESULTS OF BAND EDGE MEASUREMENTS 17
Test Result *17*
Test Graphs *18*
APPENDIX A.7: TEST RESULTS OF CONDUCTED SPURIOUS EMISSION 21
Test Result *21*
Test Graphs *22*
APPENDIX A.8: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS 28
30 MHz - 1GHz *28*
1GHz - 18GHz *30*
APPENDIX A.9: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS 42
APPENDIX A.10: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS 46

Appendix A.1: Test Results of 20dB Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.529	2402.483	---	PASS
		2441	0.948	2440.532	2441.480	---	PASS
		2480	0.945	2479.535	2480.480	---	PASS
3DH5	Ant1	2402	1.341	2401.322	2402.663	---	PASS
		2441	1.284	2440.343	2441.627	---	PASS
		2480	1.275	2479.349	2480.624	---	PASS

Test Graphs

DH5_Ant1_2402

DH5_Ant1_2441

DH5_Ant1_2480

3DH5_Ant1_2402

3DH5_Ant1_2441

3DH5_Ant1_2480

Appendix A.2: Test Results of 99% Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88335	2401.5533	2402.4366	---	PASS
		2441	0.90506	2440.5467	2441.4518	---	PASS
		2480	0.89147	2479.5477	2480.4392	---	PASS
3DH5	Ant1	2402	1.2131	2401.3806	2402.5937	---	PASS
		2441	1.1940	2440.3920	2441.5860	---	PASS
		2480	1.2048	2479.3832	2480.5880	---	PASS

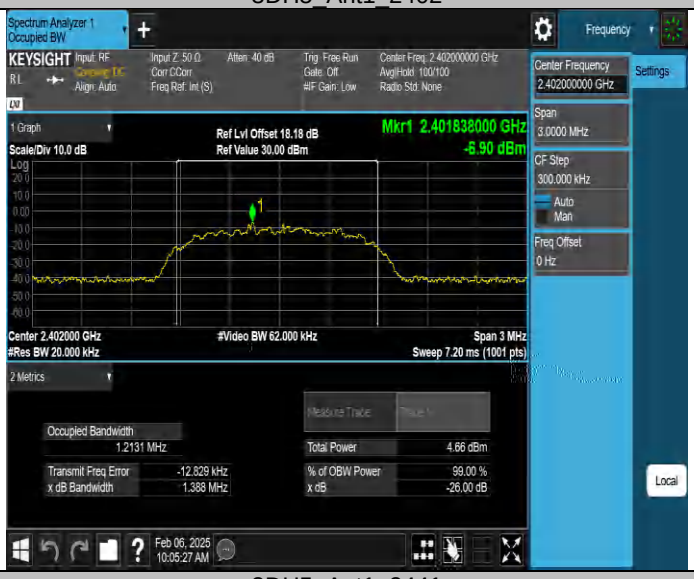
Test Graphs

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

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.916	≥0.636	PASS
3DH5	Ant1	Hop	1.176	≥0.894	PASS

Test Graphs

DH5_Ant1_Hop

3DH5_Ant1_Hop

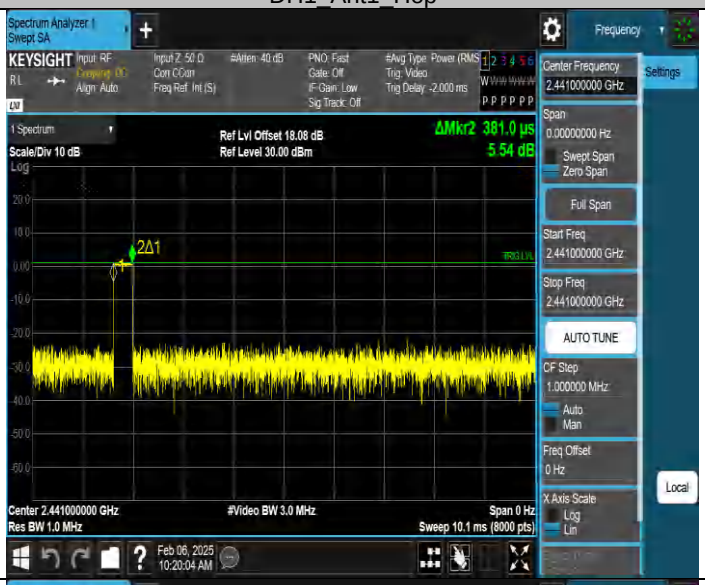
Appendix A.4: Test Results of Time of Occupancy

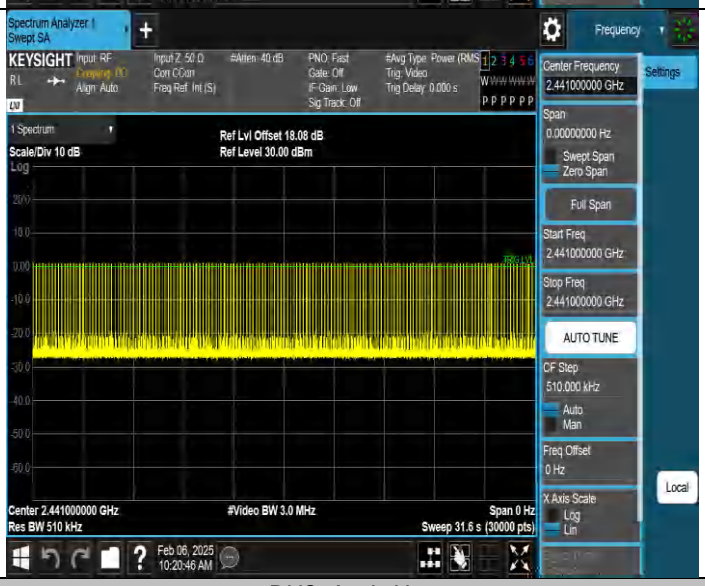
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.381	312	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.637	164	0.268	≤0.4	PASS
DH5	Ant1	Hop	2.885	108	0.312	≤0.4	PASS
3DH1	Ant1	Hop	0.389	313	0.122	≤0.4	PASS
3DH3	Ant1	Hop	1.639	169	0.277	≤0.4	PASS
3DH5	Ant1	Hop	2.890	108	0.312	≤0.4	PASS

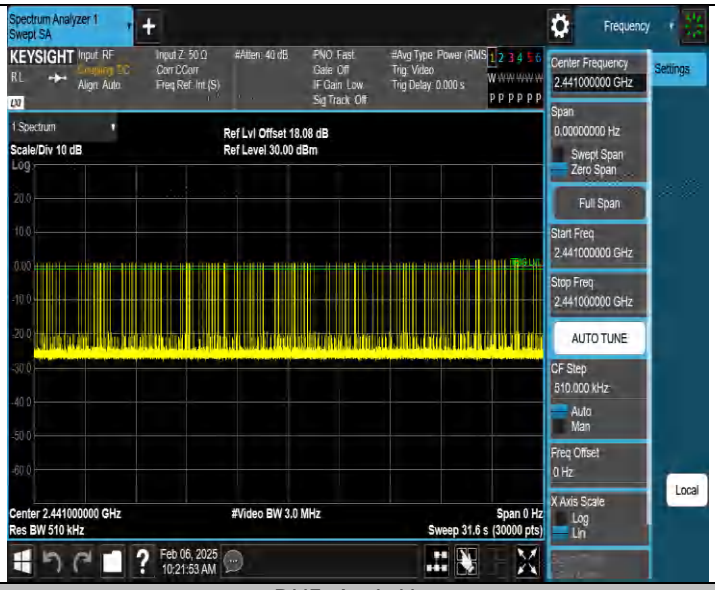
Test Graphs

DH1_Ant1_Hop



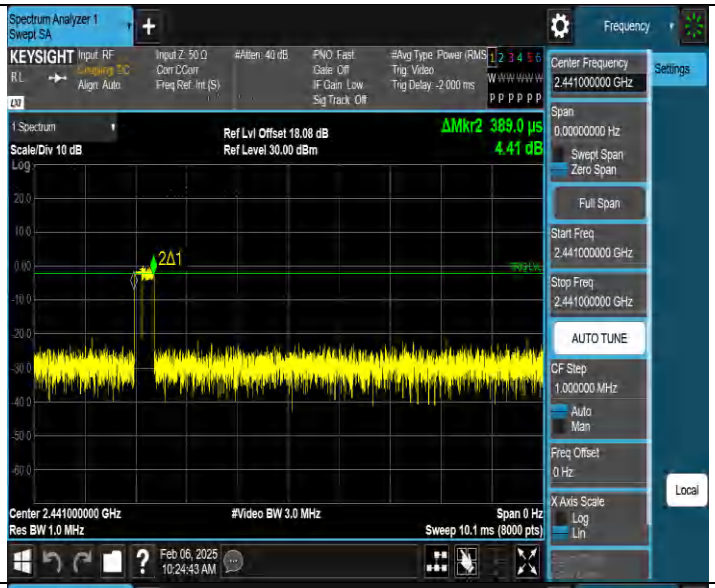


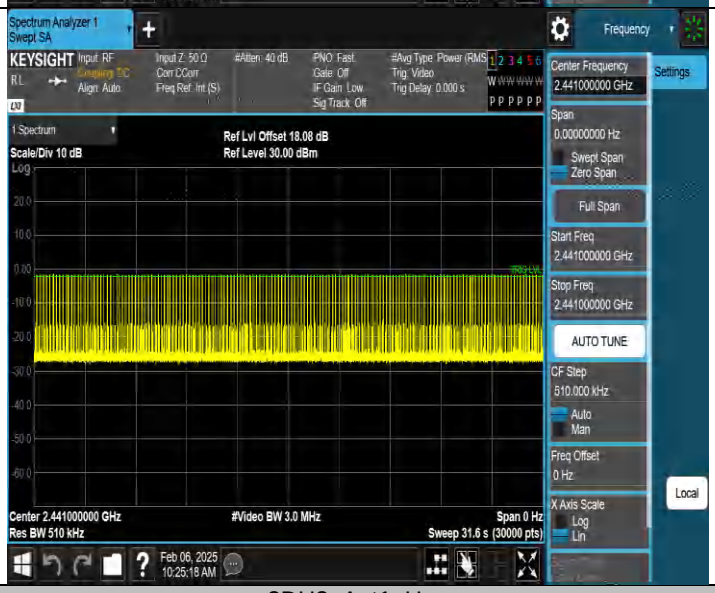
DH3_Ant1_Hop



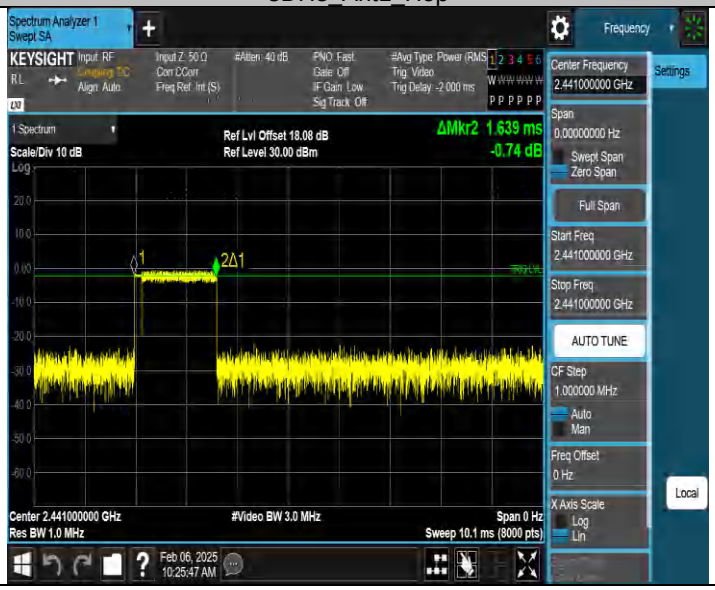
DH5_Ant1_Hop

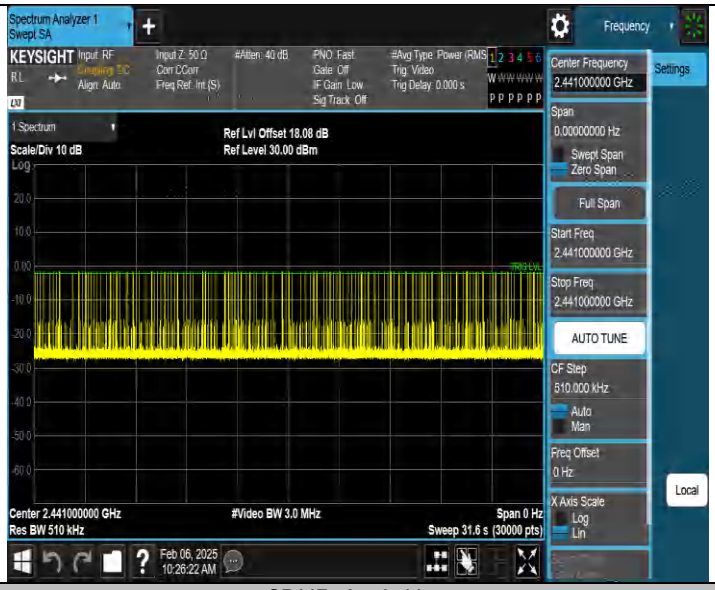
3DH1_Ant1_Hop



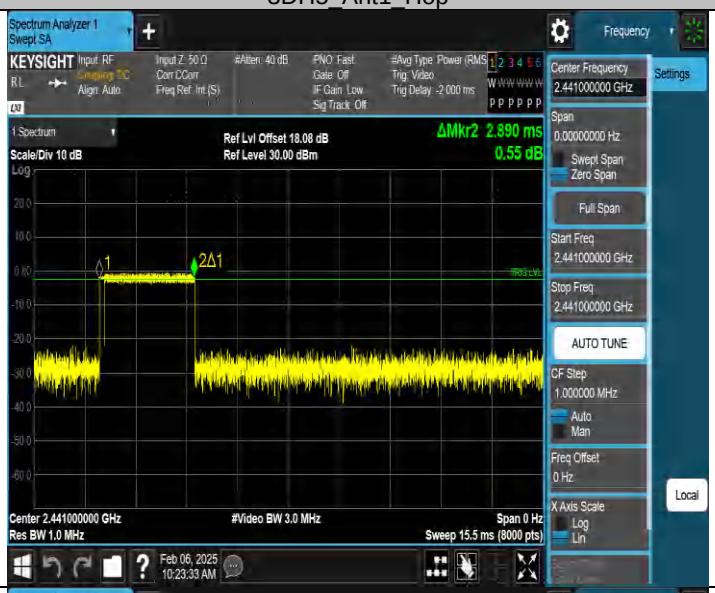


3DH3_Ant1_Hop





3DH5_Ant1_Hop



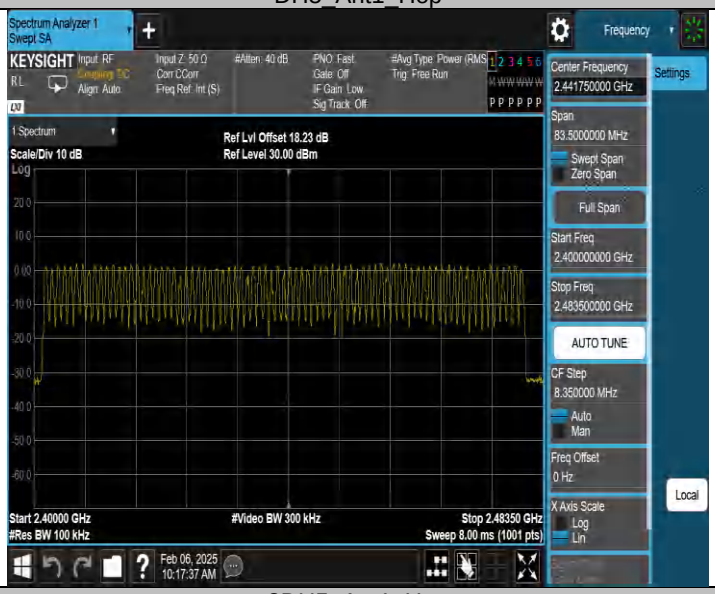
Appendix A.5: Test Results of Number of Hopping Frequency

Test Result

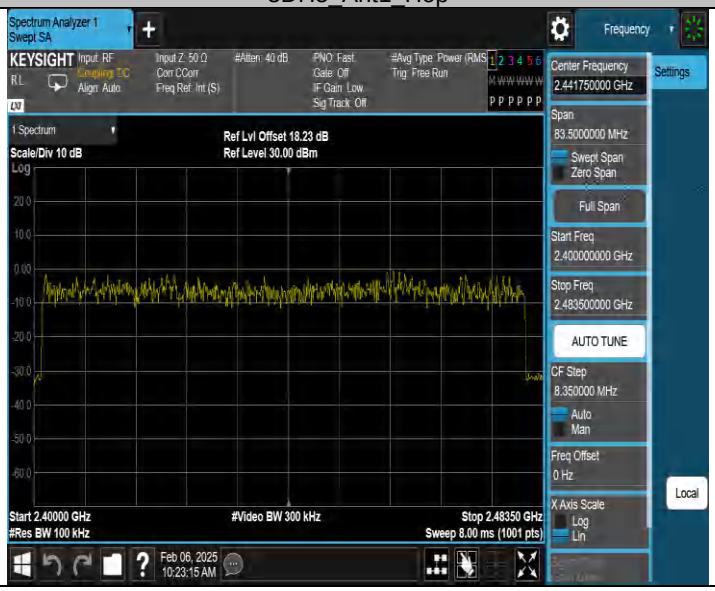
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

DH5_Ant1_Hop



3DH5_Ant1_Hop



Appendix A.6: Test Results of Band Edge Measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.35	-44.12	≤-18.65	PASS
		High	2480	0.73	-43.86	≤-19.27	PASS
3DH5	Ant1	Low	2402	-1.29	-43.41	≤-21.29	PASS
		High	2480	-0.82	-43.55	≤-20.82	PASS
DH5	Ant1	Hopping	2402	0.38	-44.33	≤-19.62	PASS
		Hopping	2480	0.60	-42.28	≤-19.40	PASS
3DH5	Ant1	Hopping	2402	-6.38	-43.72	≤-26.38	PASS
		Hopping	2480	-7.82	-44.58	≤-27.82	PASS

Test Graphs

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

Appendix A.7: Test Results of Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.50	0.50	---	PASS
			30~1000	0.50	-41.88	≤-19.5	PASS
			1000~26500	0.50	-32.39	≤-19.5	PASS
		2441	Reference	0.99	0.99	---	PASS
			30~1000	0.99	-41.31	≤-19.01	PASS
			1000~26500	0.99	-33.49	≤-19.01	PASS
		2480	Reference	-0.13	-0.13	---	PASS
			30~1000	-0.13	-42.15	≤-20.13	PASS
			1000~26500	-0.13	-33.07	≤-20.13	PASS
3DH5	Ant1	2402	Reference	-2.61	-2.61	---	PASS
			30~1000	-2.61	-41.99	≤-22.61	PASS
			1000~26500	-2.61	-32.5	≤-22.61	PASS
		2441	Reference	-2.92	-2.92	---	PASS
			30~1000	-2.92	-42	≤-22.92	PASS
			1000~26500	-2.92	-33.5	≤-22.92	PASS
		2480	Reference	-3.29	-3.29	---	PASS
			30~1000	-3.29	-41.41	≤-23.29	PASS
			1000~26500	-3.29	-33.1	≤-23.29	PASS

Test Graphs

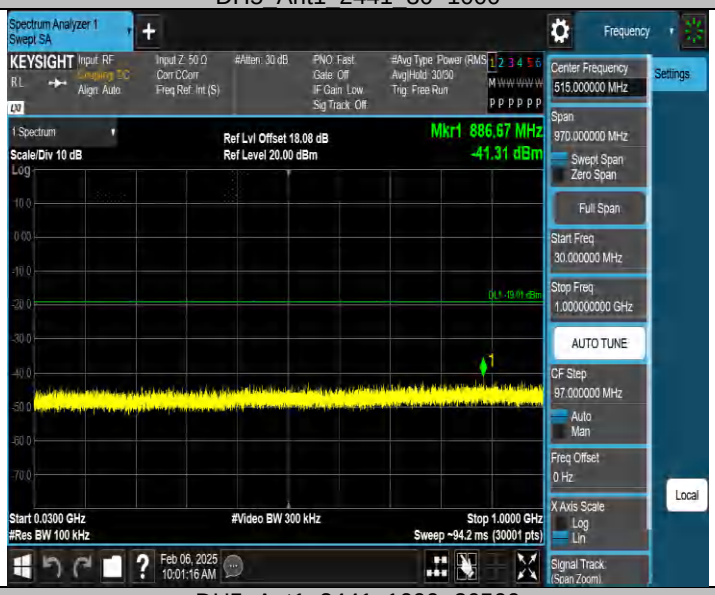
DH5_Ant1_2402_0~Reference

DH5_Ant1_2402_30~1000

DH5_Ant1_2402_1000~26500

DH5_Ant1_2441_0~Reference

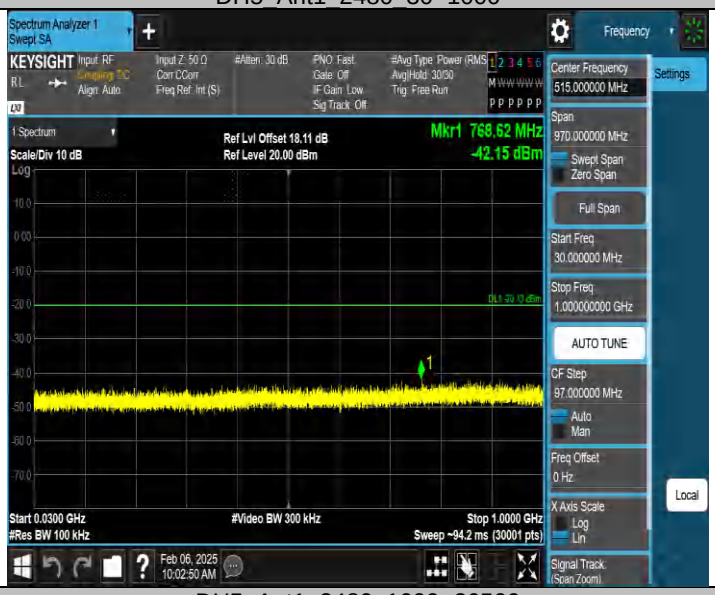
DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500

DH5_Ant1_2480_0~Reference

DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

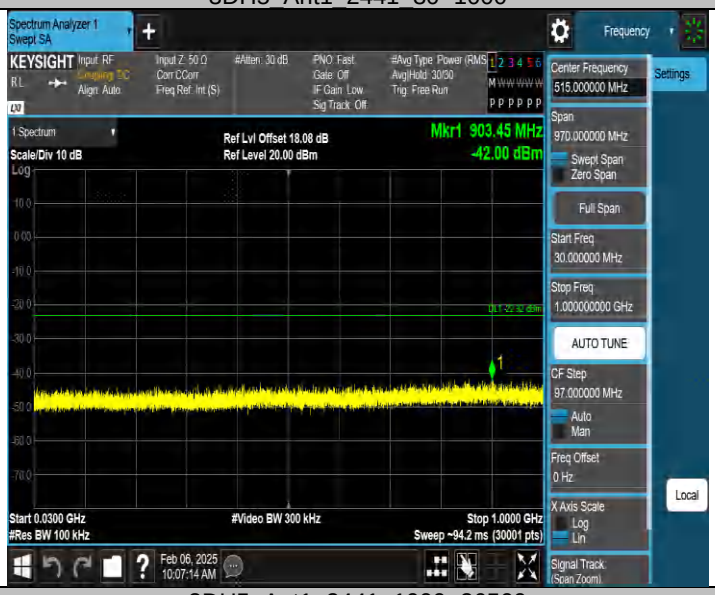
3DH5_Ant1_2402_0~Reference

3DH5_Ant1_2402_30~1000

3DH5_Ant1_2402_1000~26500

3DH5_Ant1_2441_0~Reference

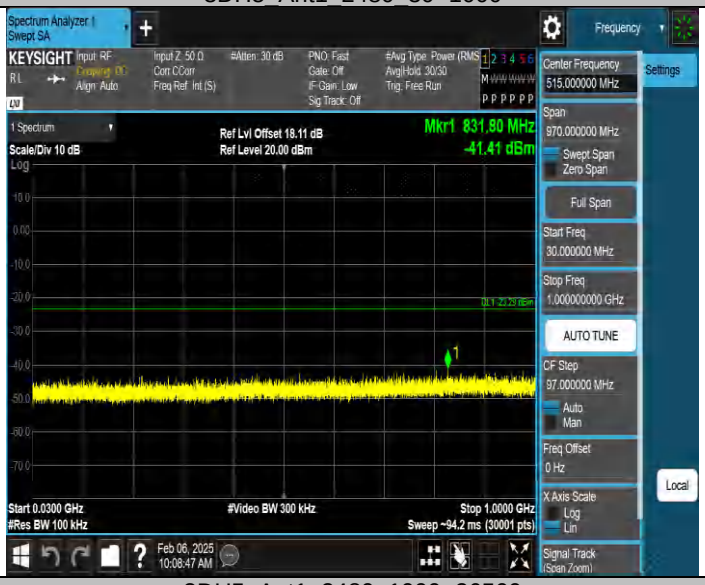
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500

3DH5_Ant1_2480_0~Reference

3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500

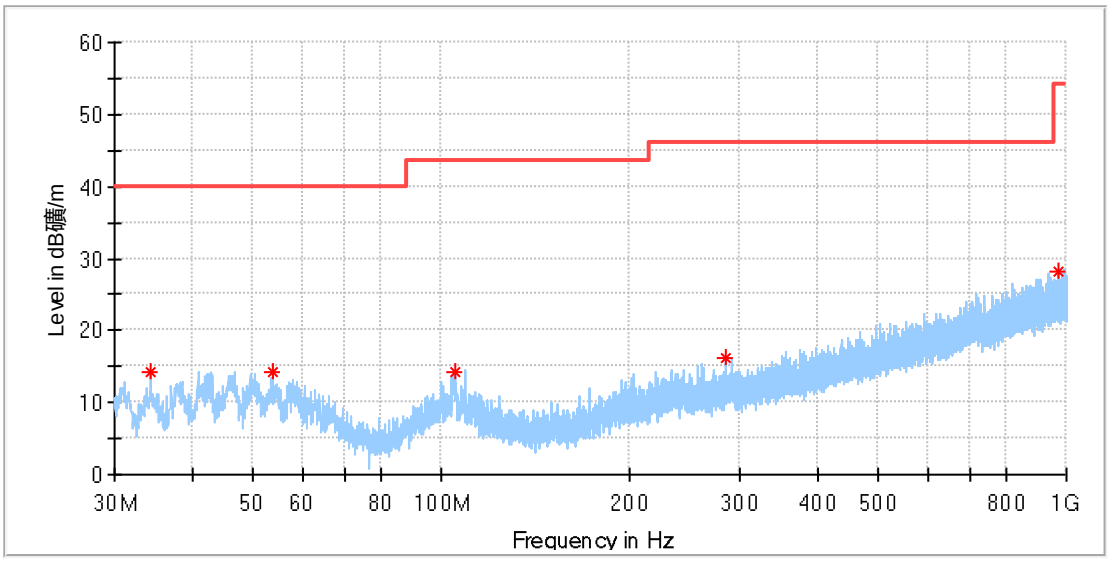
Appendix A.8: Test Results of Radiated Spurious Emissions

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:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

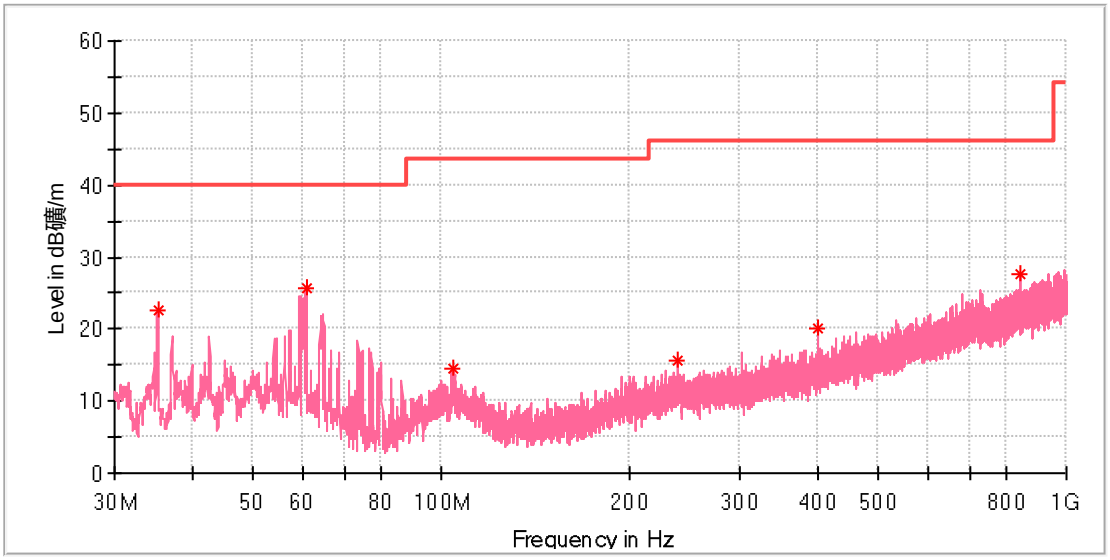
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.215769	14.28	40.00	25.72	100.0	H	354.0	-22.2
53.839615	14.37	40.00	25.63	100.0	H	157.0	-18.5
105.286923	14.29	43.50	29.21	100.0	H	180.0	-18.9
285.072692	16.14	46.00	29.86	100.0	H	354.0	-16.6
970.825385	28.32	54.00	25.68	100.0	H	172.0	-4.0

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
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)
35.185769	22.61	40.00	17.39	100.0	V	192.0	-21.9
60.816154	25.81	40.00	14.19	100.0	V	99.0	-19.3
104.354231	14.44	43.50	29.06	100.0	V	73.0	-18.9
238.550000	15.74	46.00	30.26	100.0	V	129.0	-17.8
399.756539	20.01	46.00	25.99	100.0	V	90.0	-13.8
845.247692	27.55	46.00	18.45	100.0	V	99.0	-5.4

Final_Result

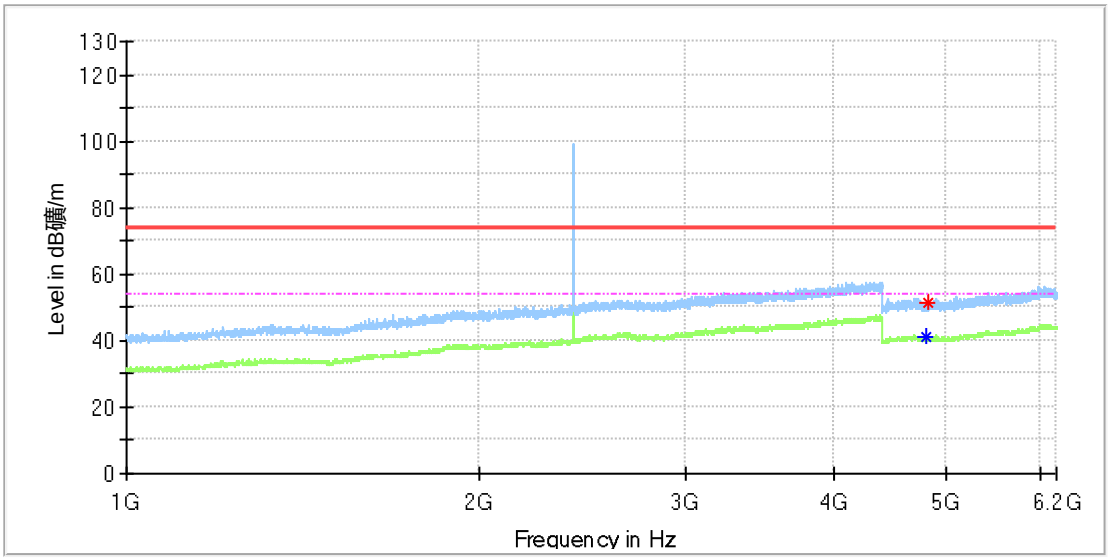
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

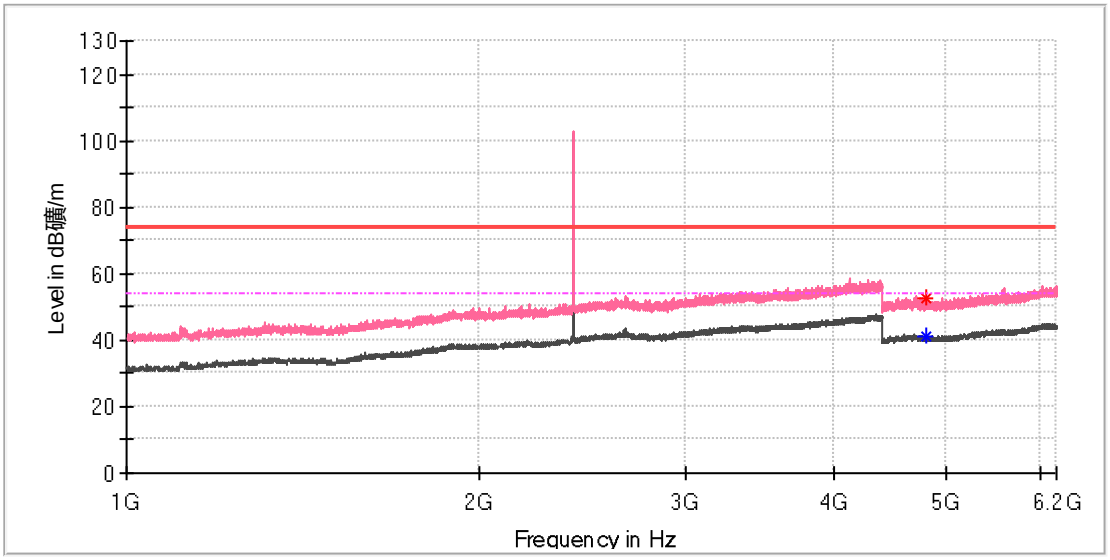
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4806.500000	---	40.99	54.00	13.01	150.0	H	41.0	13.3
4827.000000	51.63	---	74.00	22.37	150.0	H	89.0	13.3

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

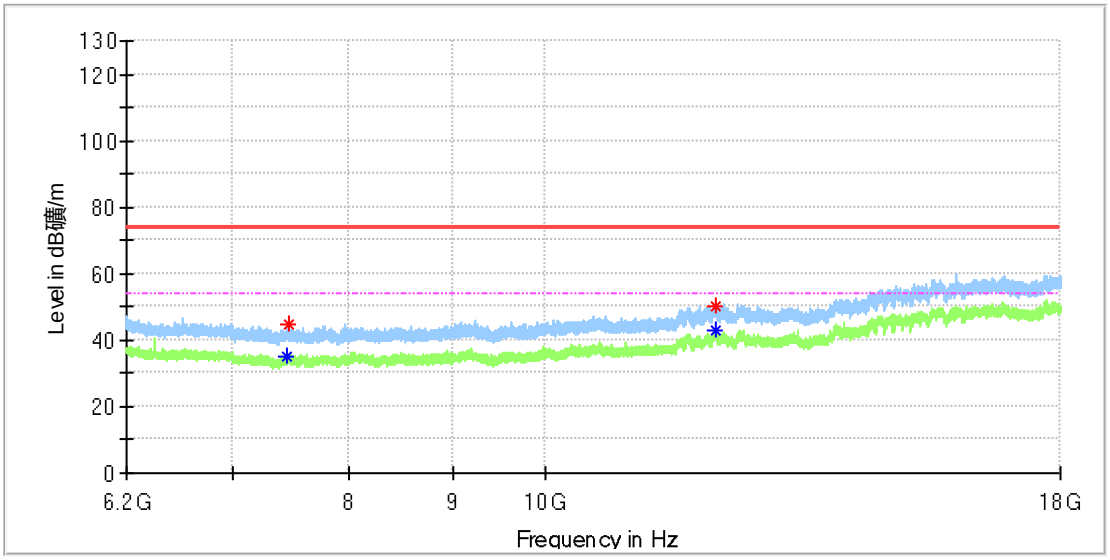
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	---	41.11	54.00	12.89	150.0	V	325.0	13.3
4806.500000	52.45	---	74.00	21.55	150.0	V	359.0	13.3

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

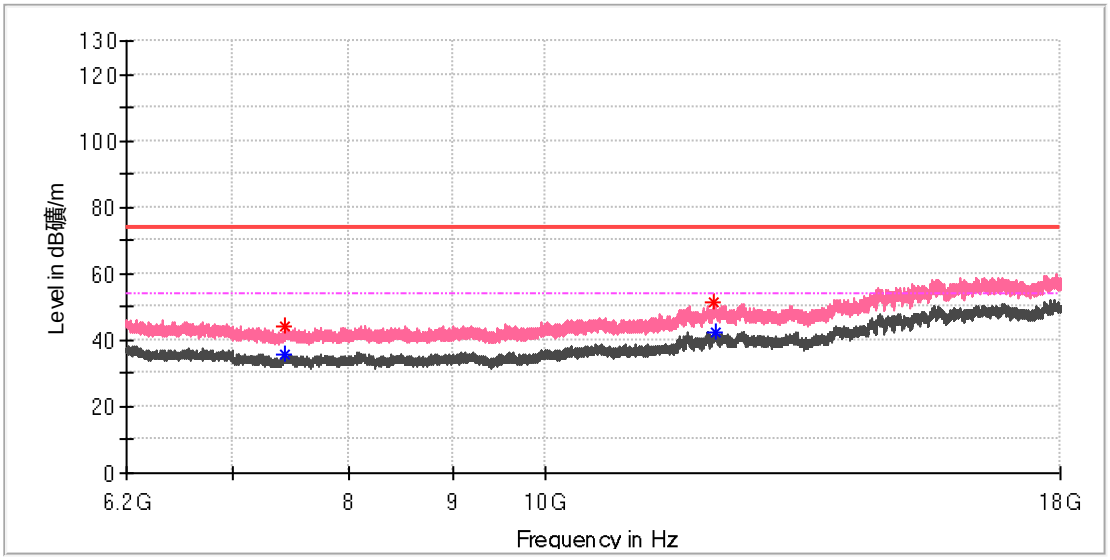
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7449.325000	---	35.29	54.00	18.71	150.0	H	308.0	8.5
7456.208333	44.45	---	74.00	29.55	150.0	H	4.0	8.5
12132.941667	50.42	---	74.00	23.58	150.0	H	213.0	16.3
12148.675000	---	43.08	54.00	10.92	150.0	H	98.0	16.7

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

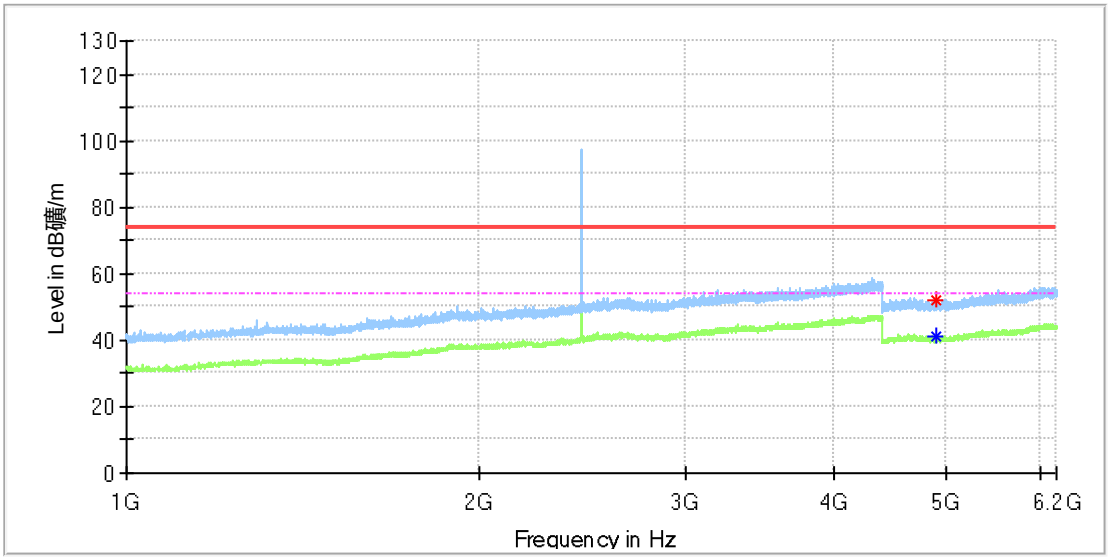
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7419.825000	---	35.79	54.00	18.21	150.0	V	317.0	8.4
7427.691667	44.19	---	74.00	29.81	150.0	V	162.0	8.4
12112.291667	51.49	---	74.00	22.51	150.0	V	237.0	15.8
12158.508333	---	42.37	54.00	11.63	150.0	V	339.0	16.3

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

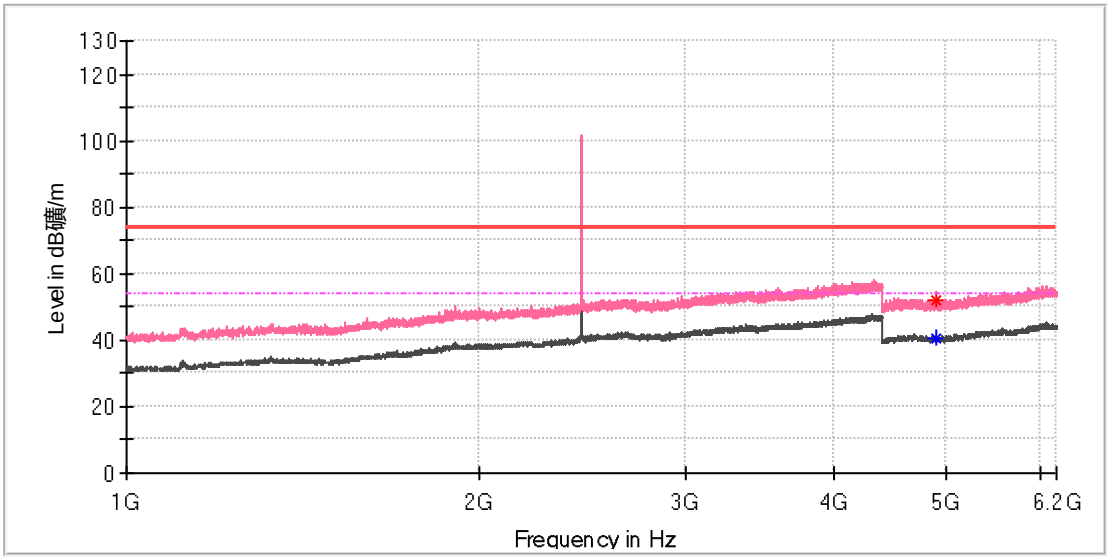
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4890.000000	51.95	---	74.00	22.05	150.0	H	151.0	13.3
4905.000000	---	41.23	54.00	12.77	150.0	H	300.0	13.3

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

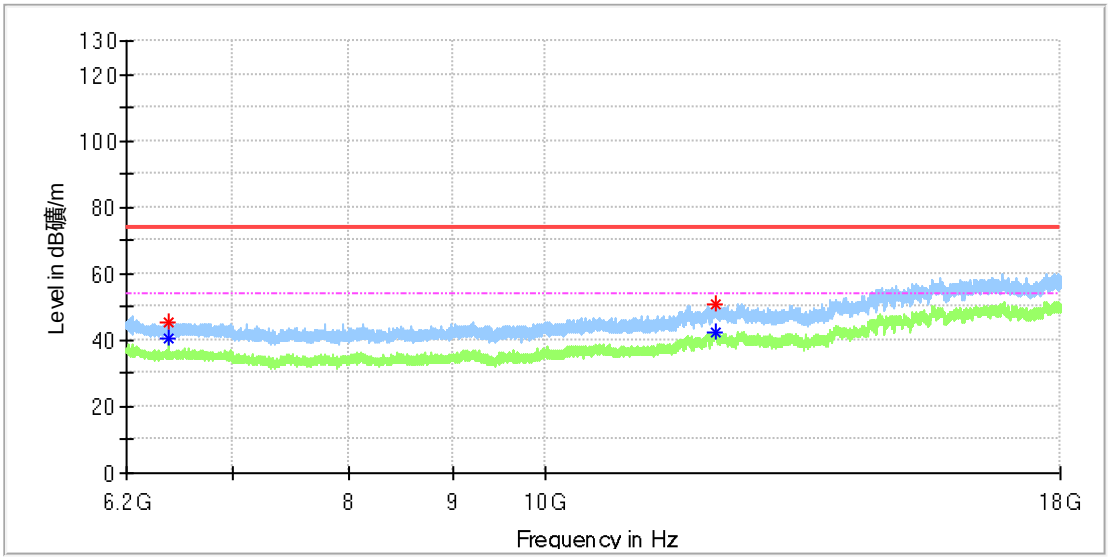
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4899.500000	52.17	---	74.00	21.83	150.0	V	194.0	13.3
4902.500000	---	40.75	54.00	13.25	150.0	V	120.0	13.3

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

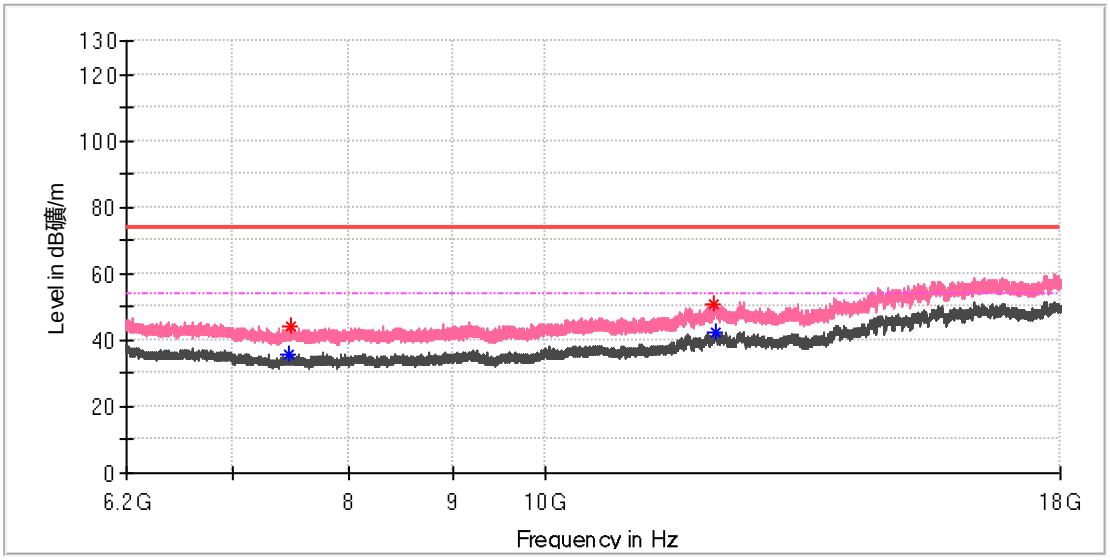
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6508.766667	45.30	---	74.00	28.70	150.0	H	236.0	8.8
6509.258333	---	40.49	54.00	13.51	150.0	H	294.0	8.8
12146.216667	---	42.26	54.00	11.74	150.0	H	50.0	16.6
12157.525000	50.65	---	74.00	23.35	150.0	H	105.0	16.3

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

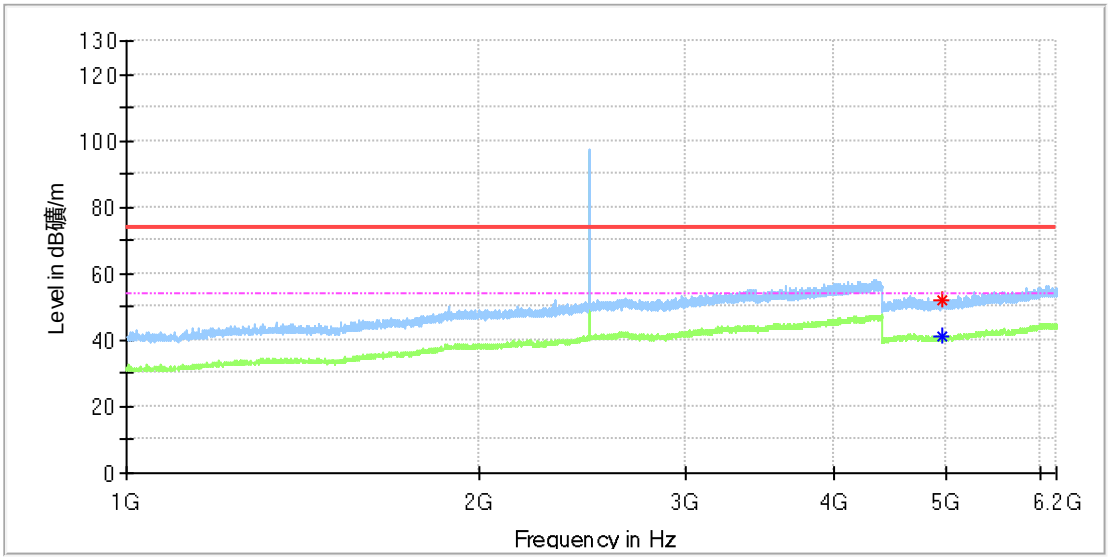
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7463.091667	---	35.38	54.00	18.62	150.0	V	283.0	8.6
7487.183333	44.08	---	74.00	29.92	150.0	V	305.0	8.7
12126.550000	50.74	---	74.00	23.26	150.0	V	316.0	16.1
12142.775000	---	42.59	54.00	11.41	150.0	V	195.0	16.5

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

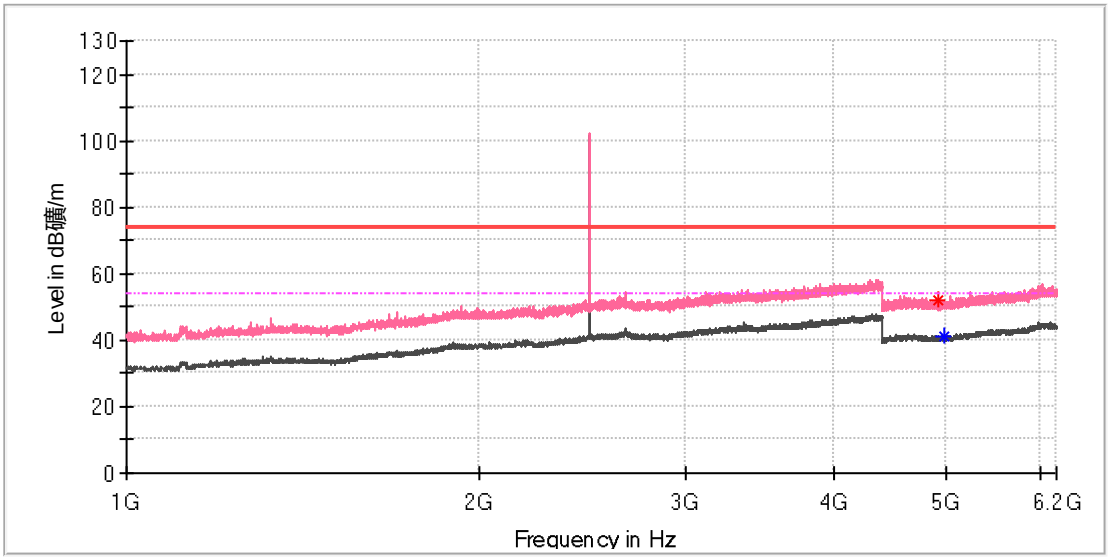
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4951.000000	---	40.96	54.00	13.04	150.0	H	151.0	13.3
4955.500000	51.82	---	74.00	22.18	150.0	H	91.0	13.3

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

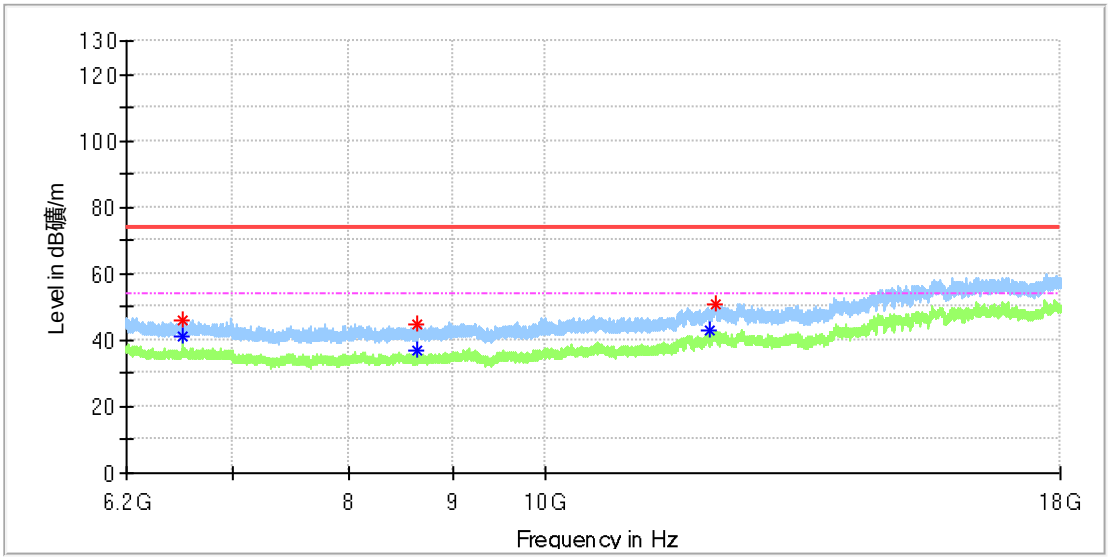
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	51.90	---	74.00	22.10	150.0	V	88.0	13.3
4967.000000	---	41.23	54.00	12.77	150.0	V	312.0	13.3

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

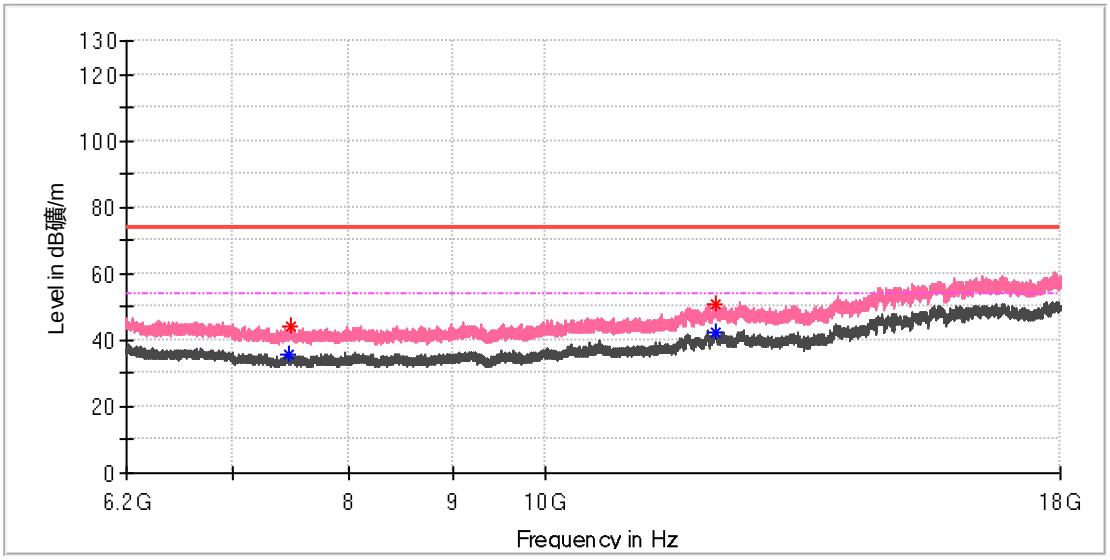
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6613.000000	45.93	---	74.00	28.07	150.0	H	205.0	8.8
6613.000000	---	40.96	54.00	13.04	150.0	H	205.0	8.8
8644.075000	45.03	---	74.00	28.97	150.0	H	273.0	8.8
8647.516667	---	37.15	54.00	16.85	150.0	H	216.0	8.9
12051.325000	---	42.77	54.00	11.23	150.0	H	89.0	16.3
12155.066667	50.87	---	74.00	23.13	150.0	H	79.0	16.5

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
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)
7458.175000	---	35.65	54.00	18.35	150.0	V	116.0	8.5
7481.283333	43.85	---	74.00	30.15	150.0	V	211.0	8.7
12135.400000	50.55	---	74.00	23.45	150.0	V	278.0	16.3
12136.383333	---	42.48	54.00	11.52	150.0	V	188.0	16.4

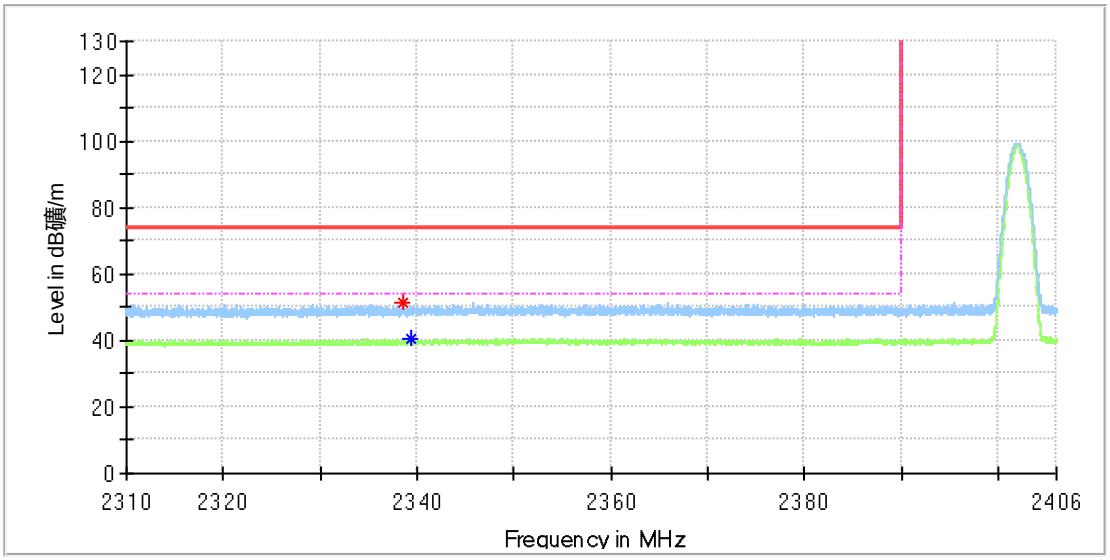
Final_Result

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

Appendix A.9: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

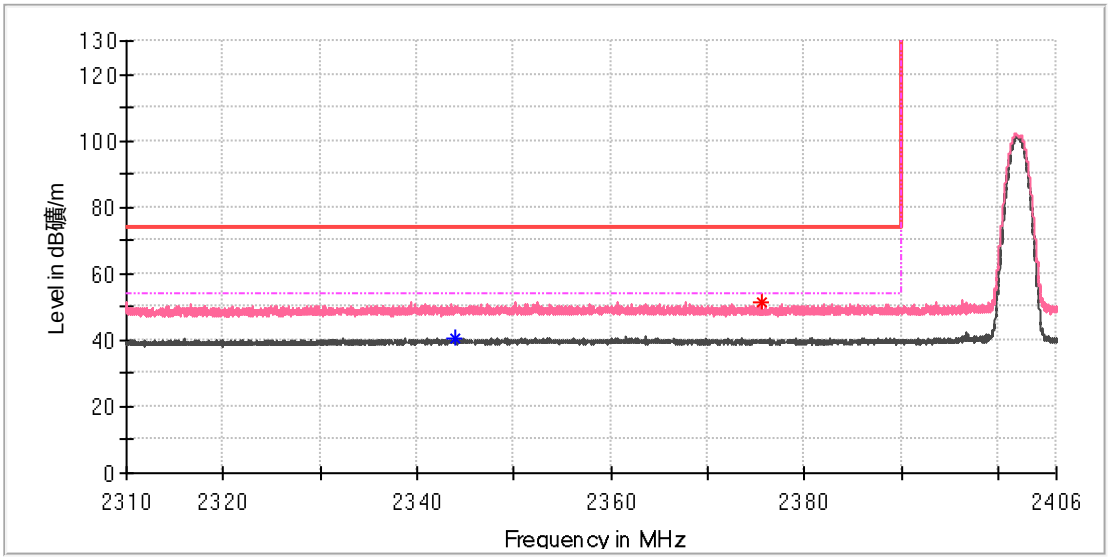
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2338.630588	51.27	---	74.00	22.73	150.0	H	104.0	8.4
2339.435294	---	40.35	54.00	13.65	150.0	H	201.0	8.4

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

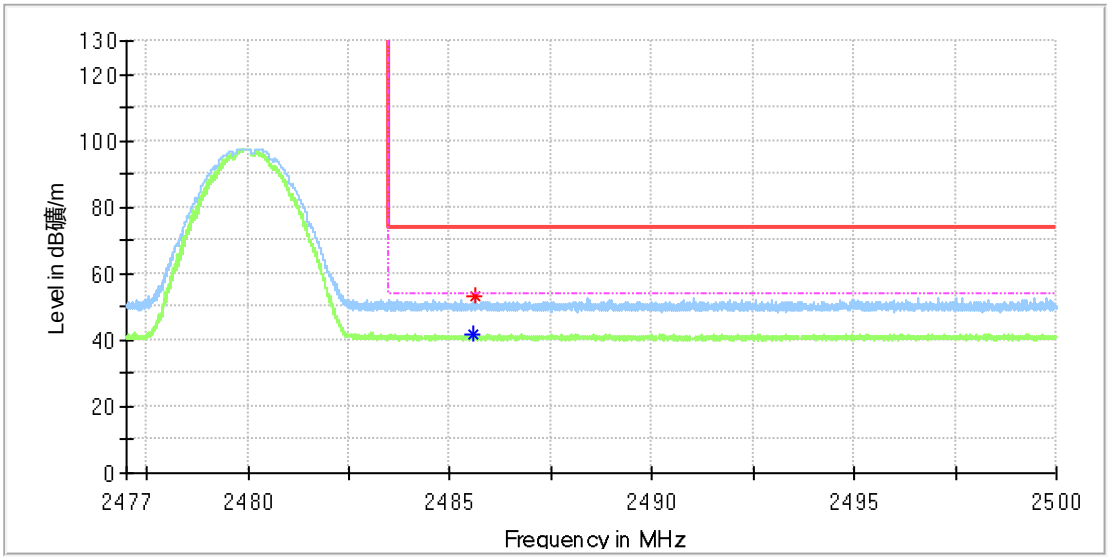
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2343.995294	---	40.77	54.00	13.23	150.0	V	357.0	8.4
2375.618824	51.54	---	74.00	22.46	150.0	V	153.0	8.5

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

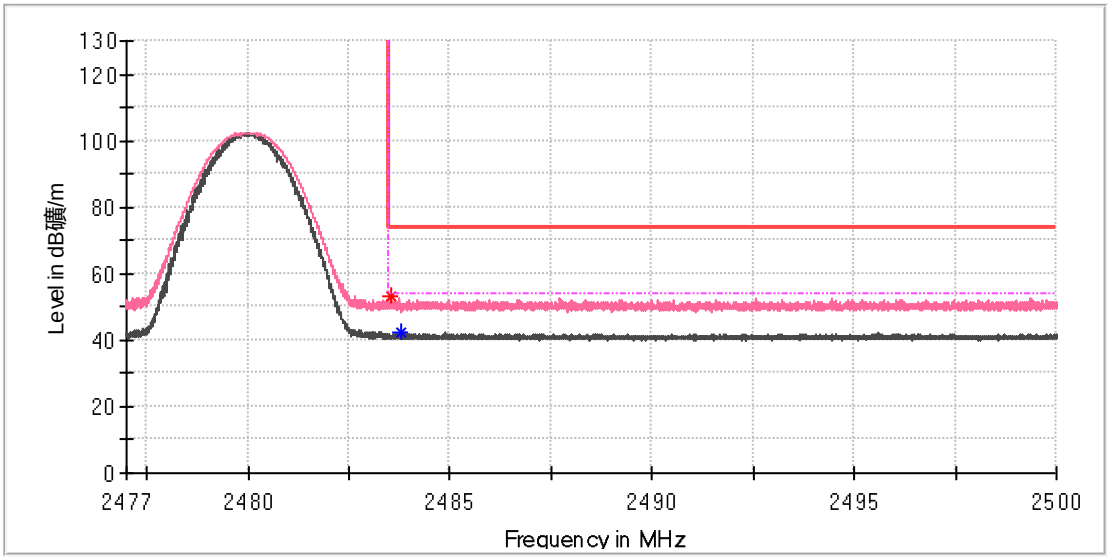
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.599265	---	41.72	54.00	12.29	150.0	H	0.0	9.0
2485.613971	52.95	---	74.00	21.05	150.0	H	1.0	9.0

Final_Result

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

EUT Information

EUT Name:	Lenovo Legion H410 Wireless Gaming Headset
Model:	H410
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168521531/A003904311-010
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
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)
2483.518382	53.16	---	74.00	20.84	150.0	V	249.0	9.0
2483.786765	---	42.26	54.00	11.74	150.0	V	241.0	9.0

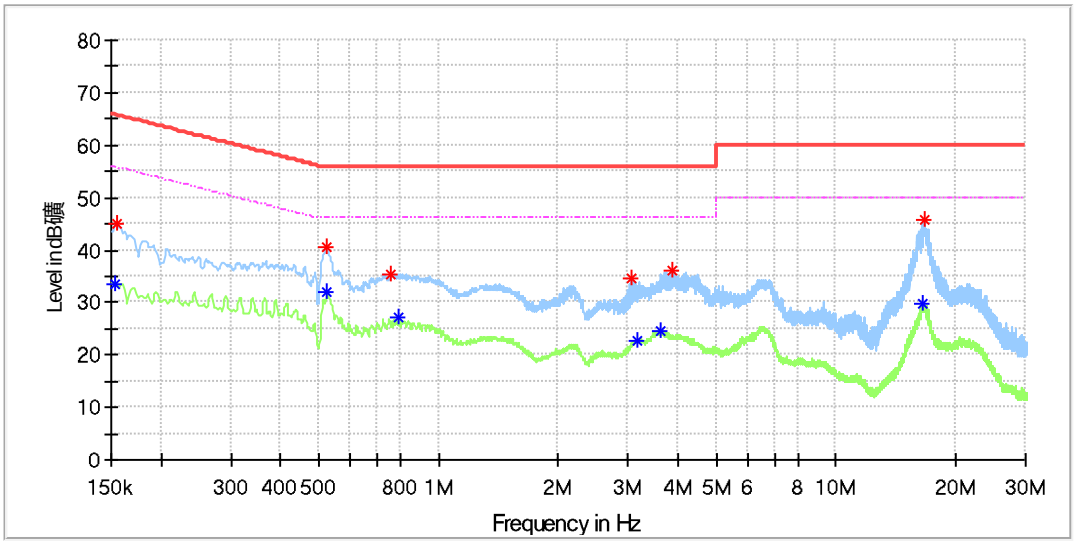
Final_Result

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

Appendix A.10: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name	Lenovo Legion H410 Wireless Gaming Headset
Order Number:	168521531
Model:	H410
Test Mode:	Charging + BT
Test Voltage:	Charging By PC
Test Standard:	FCC Part 15
Test By:/Review By:	Steve Lan/Shower Dai
Tem./Hum./Pressure:	23.7°C/50.3%/101kPa
Remark:	SR2 without buzzer



Critical_Freqs

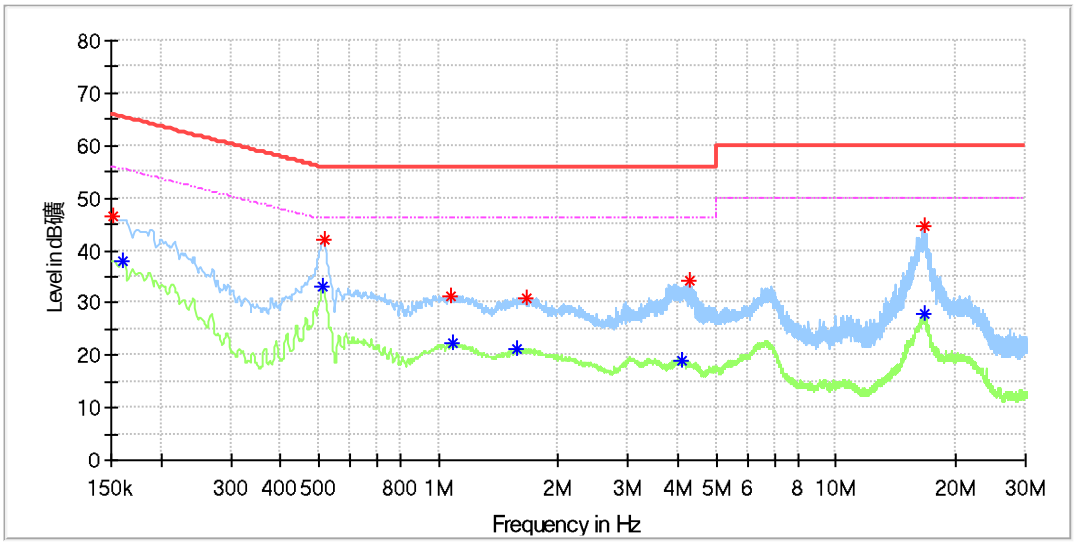
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.153317	---	33.63	55.82	22.19	L1	10.2
0.154975	45.03	---	65.73	20.70	L1	10.2
0.521467	40.57	---	56.00	15.43	L1	10.2
0.524783	---	32.17	46.00	13.83	L1	10.2
0.758608	35.43	---	56.00	20.57	L1	10.3
0.796750	---	26.98	46.00	19.02	L1	10.3
3.068667	34.47	---	56.00	21.53	L1	10.3
3.151583	---	22.74	46.00	23.26	L1	10.3
3.617575	---	24.49	46.00	21.51	L1	10.3
3.871300	36.14	---	56.00	19.86	L1	10.3
16.529358	---	29.78	50.00	20.22	L1	10.8
16.673633	45.61	---	60.00	14.39	L1	10.9

Final_Result

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

EUT Information

EUT Name	Lenovo Legion H410 Wireless Gaming Headset
Order Number:	168521531
Model:	H410
Test Mode:	Charging + BT
Test Voltage:	Charging By PC
Test Standard:	FCC Part 15
Test By:/Review By:	Steve Lan/Shower Dai
Tem./Hum./Pressure:	23.7°C/50.3%/101kPa
Remark:	SR2 without buzzer



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.151658	46.66	---	65.91	19.25	N	10.2
0.159950	---	38.05	55.47	17.42	N	10.2
0.511517	---	33.18	46.00	12.82	N	10.3
0.514833	42.22	---	56.00	13.78	N	10.3
1.077008	31.42	---	56.00	24.58	N	10.3
1.085300	---	22.38	46.00	23.62	N	10.3
1.574508	---	21.35	46.00	24.65	N	10.3
1.667375	31.04	---	56.00	24.96	N	10.3
4.096833	---	18.95	46.00	27.05	N	10.4
4.269300	34.18	---	56.00	21.82	N	10.4
16.667000	---	27.87	50.00	22.13	N	10.8
16.698508	44.54	---	60.00	15.46	N	10.8

Final_Result

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