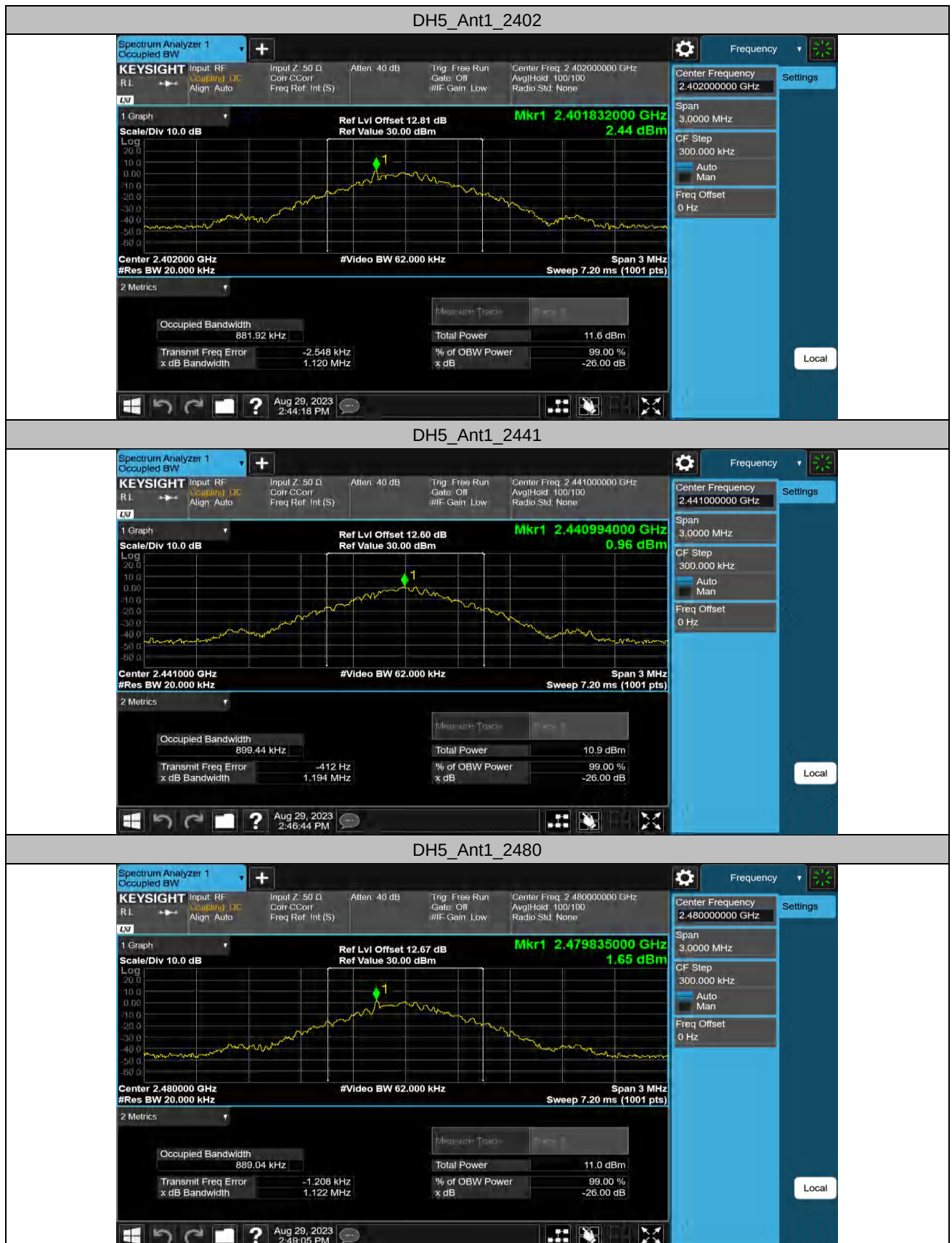


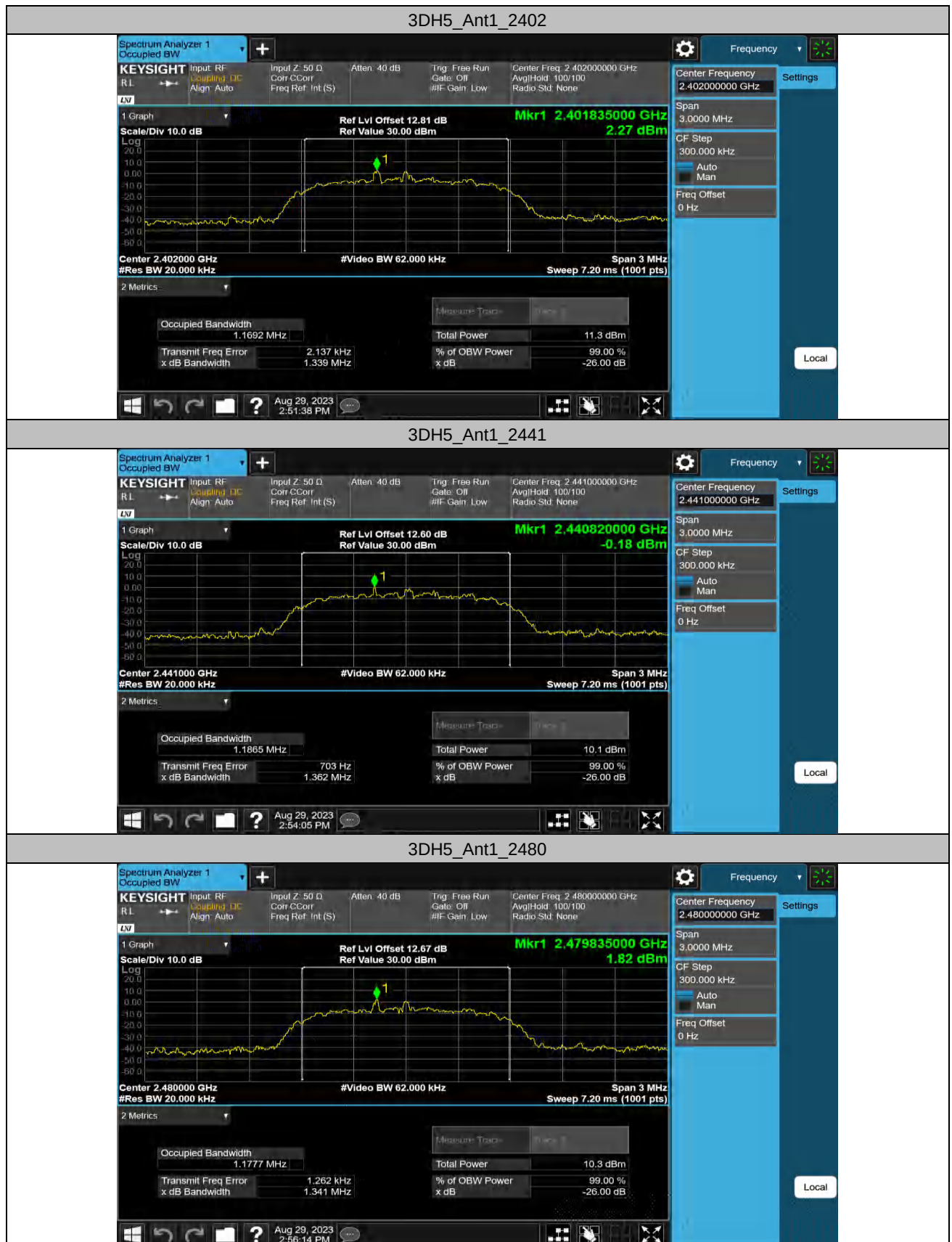
Appendix A: Test Results of FCC Part 15C

APPENDIX A: TEST RESULTS OF FCC PART 15C.....	1
APPENDIX A.1: TEST RESULTS OF 99% BANDWIDTH.....	2
APPENDIX A.2: TEST RESULTS OF 20dB BANDWIDTH	5
APPENDIX A.3: TEST RESULTS OF CARRIER FREQUENCY SEPARATION	8
APPENDIX A.4: TEST RESULTS OF NUMBER OF HOPPING FREQUENCY	9
APPENDIX A.5: TEST RESULTS OF TIME OF OCCUPANCY.....	10
APPENDIX A.6: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH	15
<i>Band Edge</i>	15
<i>Conducted Spurious Emission</i>	18
APPENDIX A.7: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	25
30MHz - 1GHz (<i>Worst case</i>)	25
1GHz - 18GHz.....	27
APPENDIX A.8: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS.....	39
APPENDIX A.9: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS.....	43

Appendix A.1: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88192	2401.5565	2402.4384	---	PASS
		2441	0.89944	2440.5499	2441.4493	---	PASS
		2480	0.88904	2479.5543	2480.4433	---	PASS
3DH5	Ant1	2402	1.1692	2401.4175	2402.5867	---	PASS
		2441	1.1865	2440.4075	2441.5940	---	PASS
		2480	1.1777	2479.4124	2480.5901	---	PASS





Appendix A.2: Test Results of 20dB Bandwidth

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.535	2402.486	---	PASS
		2441	0.954	2440.535	2441.489	---	PASS
		2480	0.945	2479.535	2480.480	---	PASS
3DH5	Ant1	2402	1.245	2401.370	2402.615	---	PASS
		2441	1.269	2440.355	2441.624	---	PASS
		2480	1.254	2479.361	2480.615	---	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	1.198	≥ 0.954	PASS
3DH5	Ant1	Hop	1.366	≥ 1.269	PASS



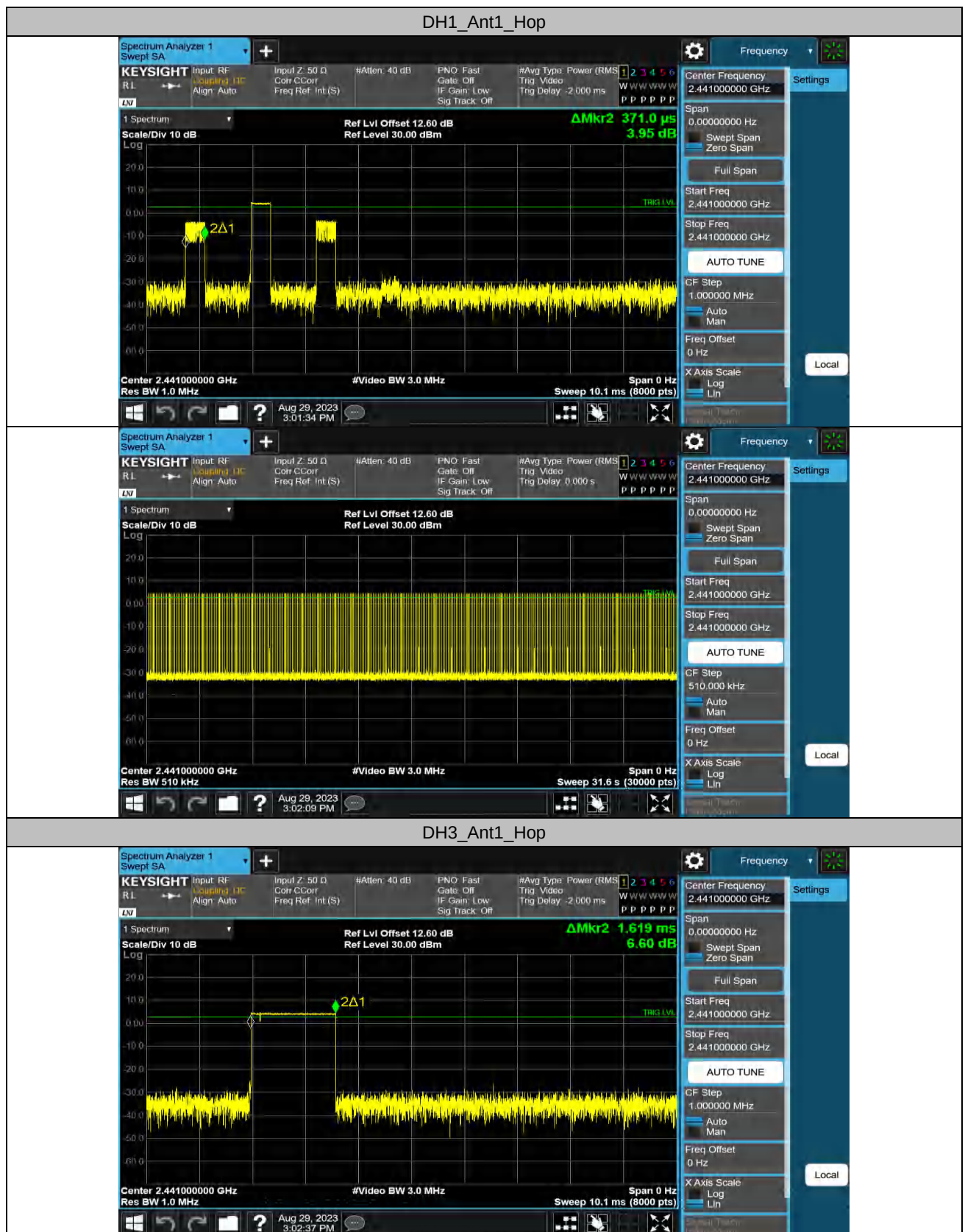
Appendix A.4: Test Results of Number of Hopping Frequency

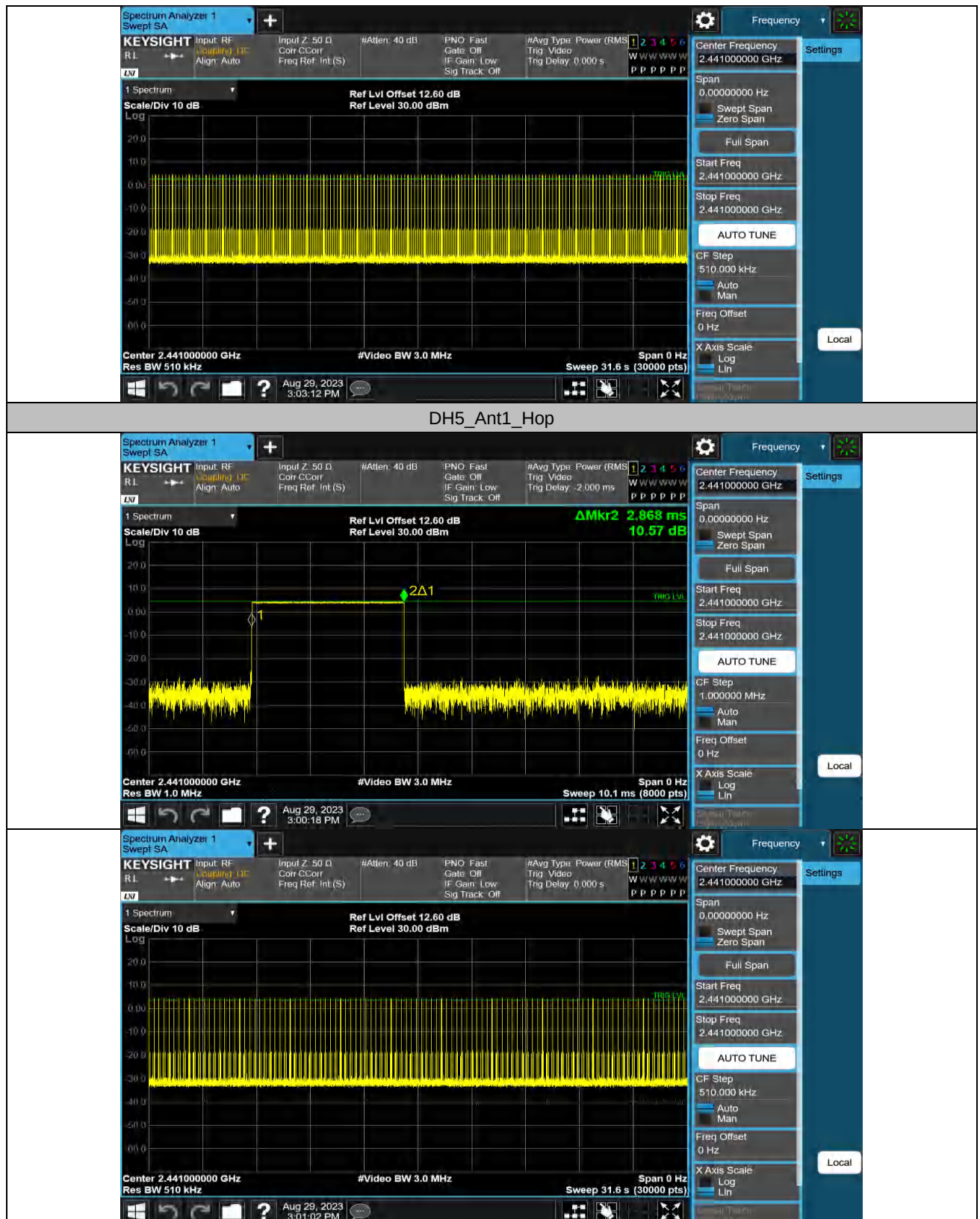
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

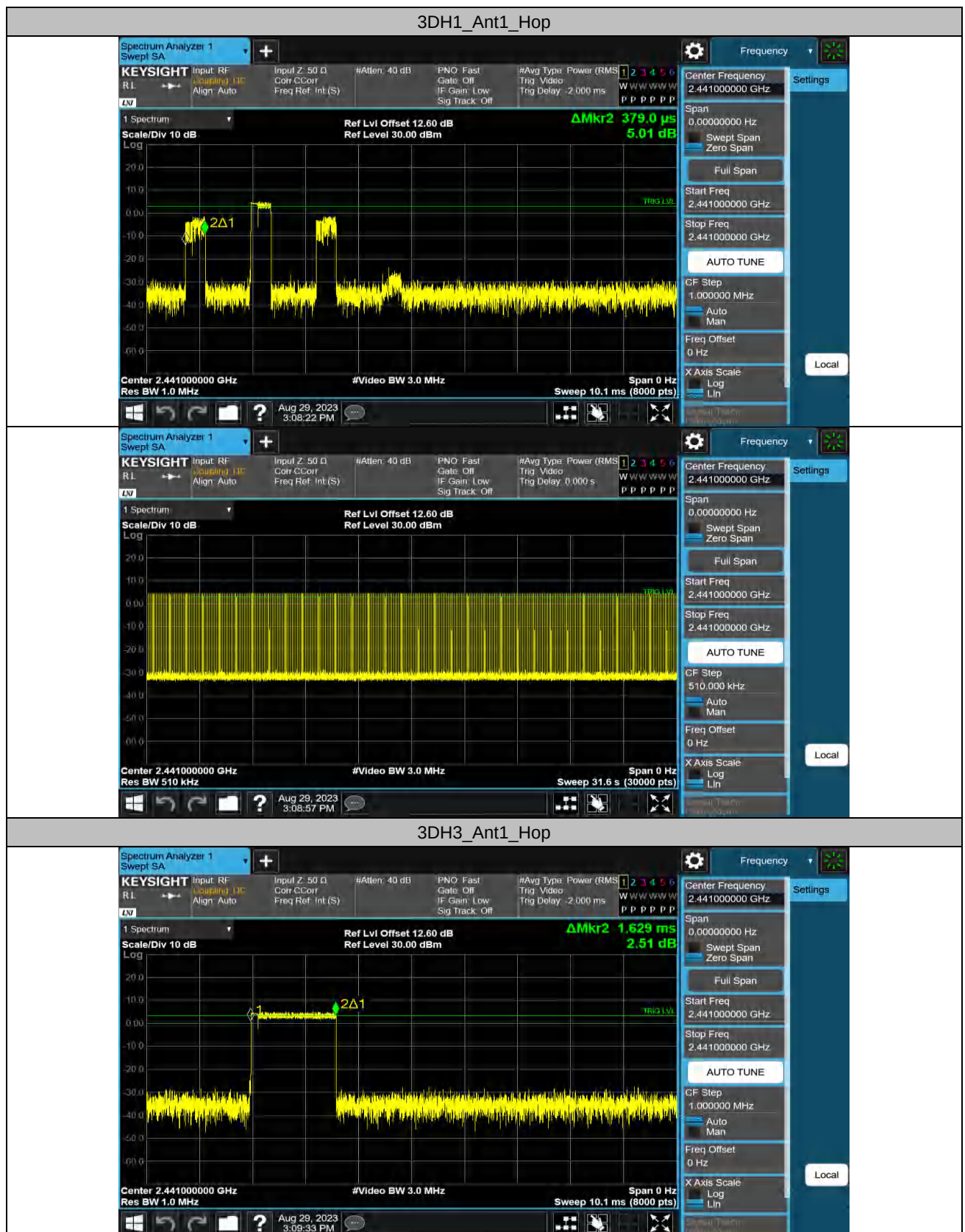


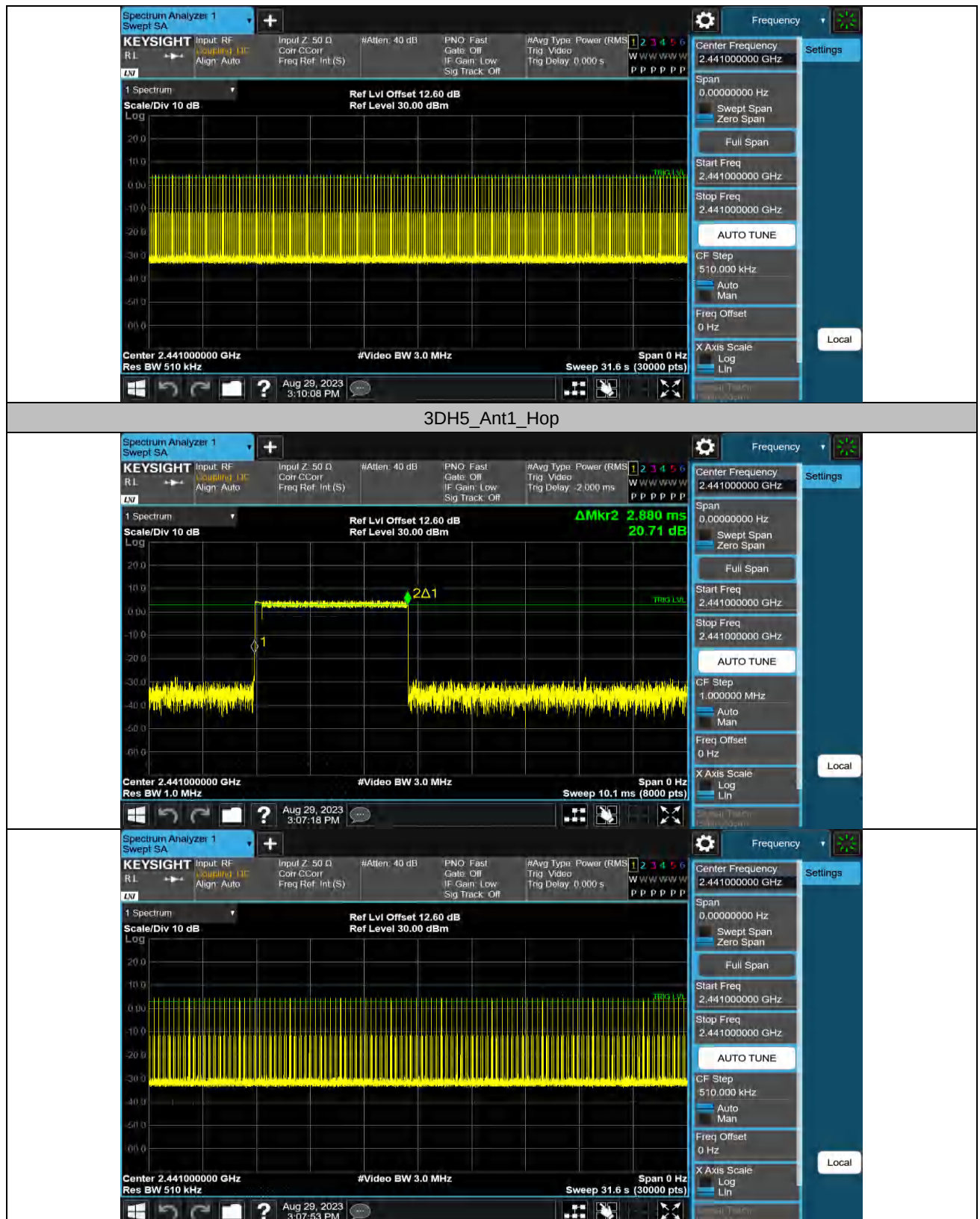
Appendix A.5: Test Results of Time of Occupancy

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.371	319	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.619	159	0.257	≤0.4	PASS
DH5	Ant1	Hop	2.868	107	0.307	≤0.4	PASS
3DH1	Ant1	Hop	0.379	319	0.121	≤0.4	PASS
3DH3	Ant1	Hop	1.629	159	0.259	≤0.4	PASS
3DH5	Ant1	Hop	2.880	107	0.308	≤0.4	PASS





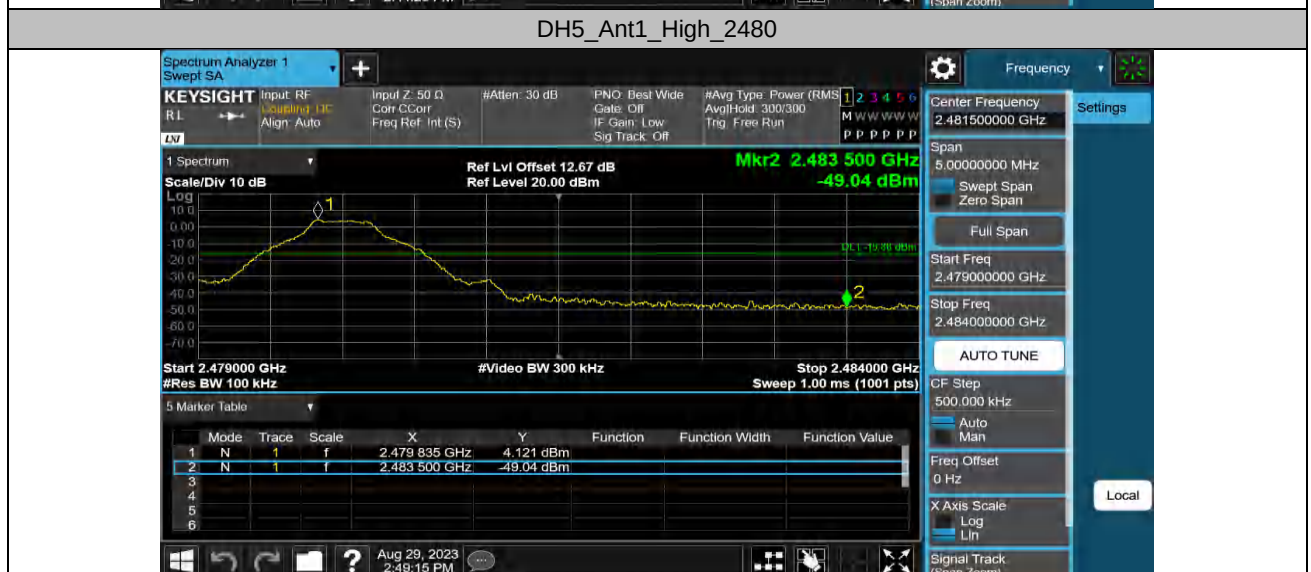
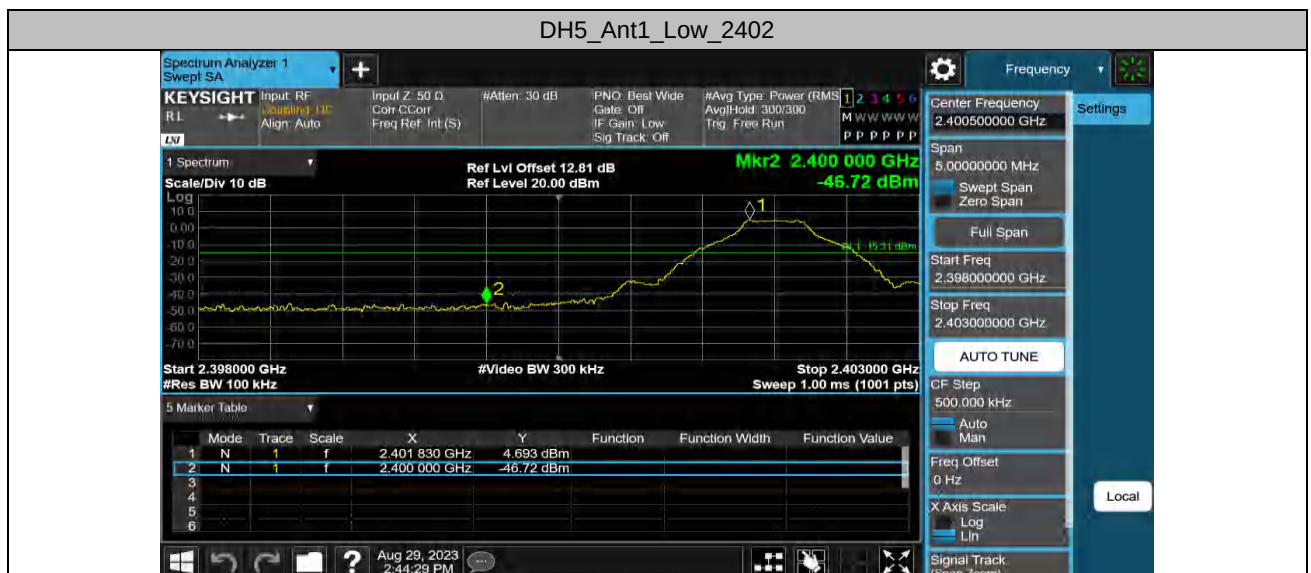




Appendix A.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.693	-46.72	≤-15.31	PASS
		High	2480	4.121	-49.04	≤-15.88	PASS
3DH5	Ant1	Low	2402	4.75	-47.85	≤-15.25	PASS
		High	2480	3.904	-49.91	≤-16.1	PASS
DH5	Ant1	Hopping	2402	3.449	-49.56	≤-16.55	PASS
		Hopping	2480	2.732	-46.8	≤-17.27	PASS
3DH5	Ant1	Hopping	2402	2.241	-49.08	≤-17.76	PASS
		Hopping	2480	0.5204	-51	≤-19.48	PASS



3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



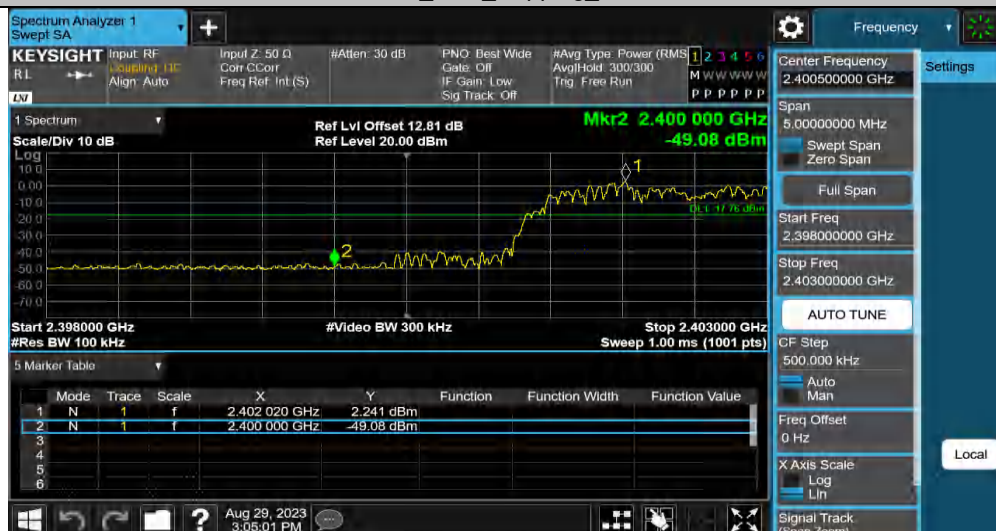
DH5_Ant1_Hopping_2402



DH5_Ant1_Hopping_2480



3DH5_Ant1_Hopping_2402



3DH5_Ant1_Hopping_2480



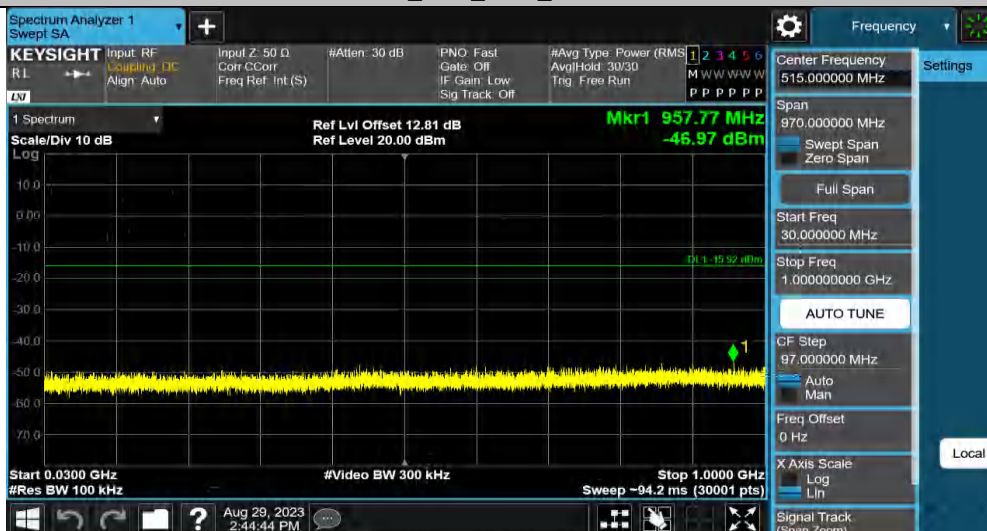
Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.08	4.08	---	PASS
			30~1000	4.08	-46.97	≤-15.92	PASS
			1000~26500	4.08	-38.15	≤-15.92	PASS
		2441	Reference	3.52	3.52	---	PASS
			30~1000	3.52	-46.69	≤-16.48	PASS
			1000~26500	3.52	-37.58	≤-16.48	PASS
		2480	Reference	3.32	3.32	---	PASS
			30~1000	3.32	-47.39	≤-16.68	PASS
			1000~26500	3.32	-38.11	≤-16.68	PASS
3DH5	Ant1	2402	Reference	2.66	2.66	---	PASS
			30~1000	2.66	-47.75	≤-17.34	PASS
			1000~26500	2.66	-37.73	≤-17.34	PASS
		2441	Reference	4.16	4.16	---	PASS
			30~1000	4.16	-47.38	≤-15.84	PASS
			1000~26500	4.16	-38.23	≤-15.84	PASS
		2480	Reference	0.50	0.50	---	PASS
			30~1000	0.50	-47.15	≤-19.5	PASS
			1000~26500	0.50	-37.95	≤-19.5	PASS

DH5_Ant1_2402_0-Reference



DH5_Ant1_2402_30-1000



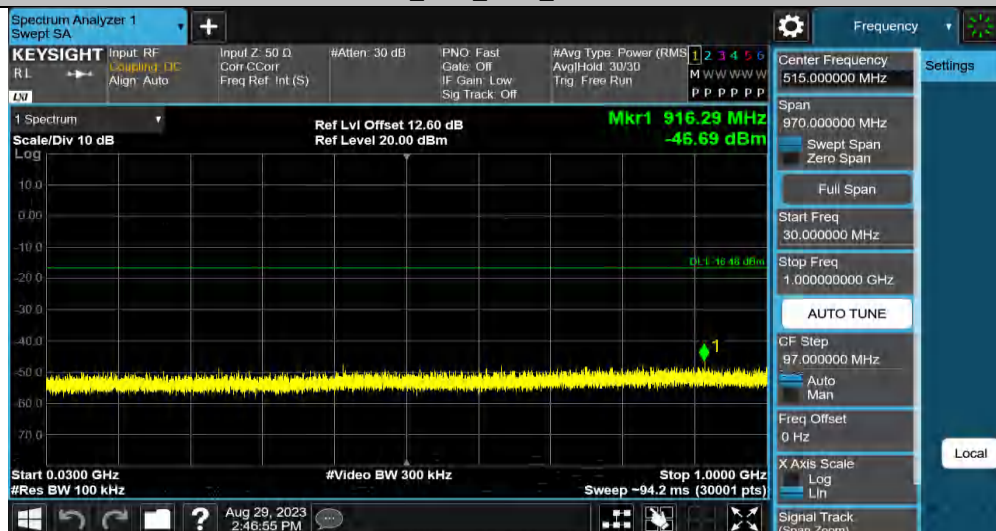
DH5_Ant1_2402_1000-26500



DH5_Ant1_2441_0-Reference

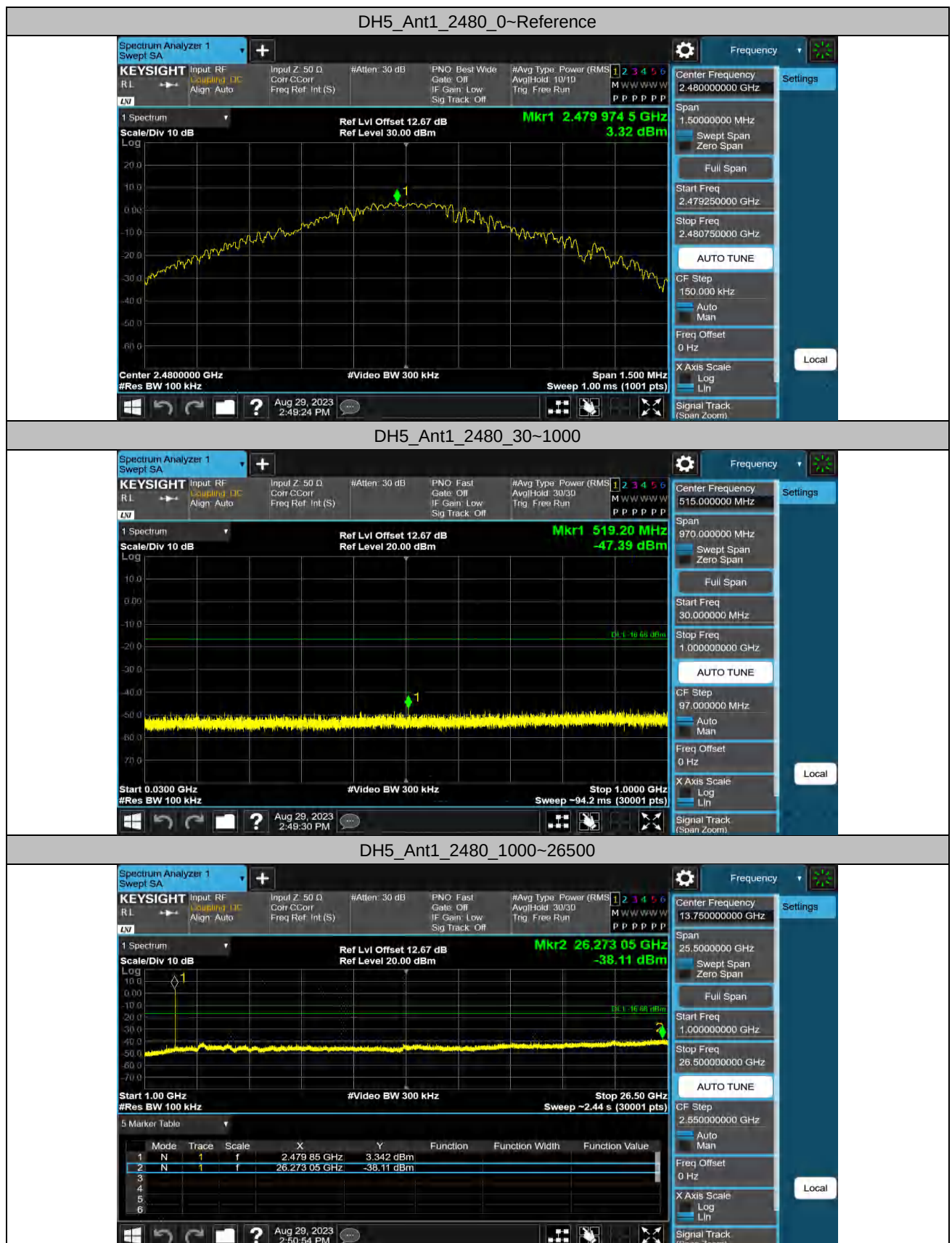


DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500

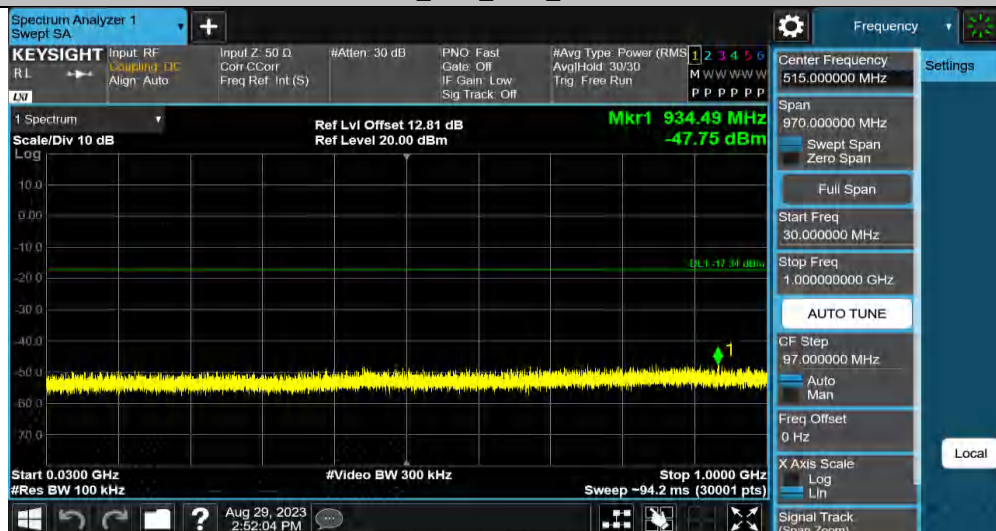




3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



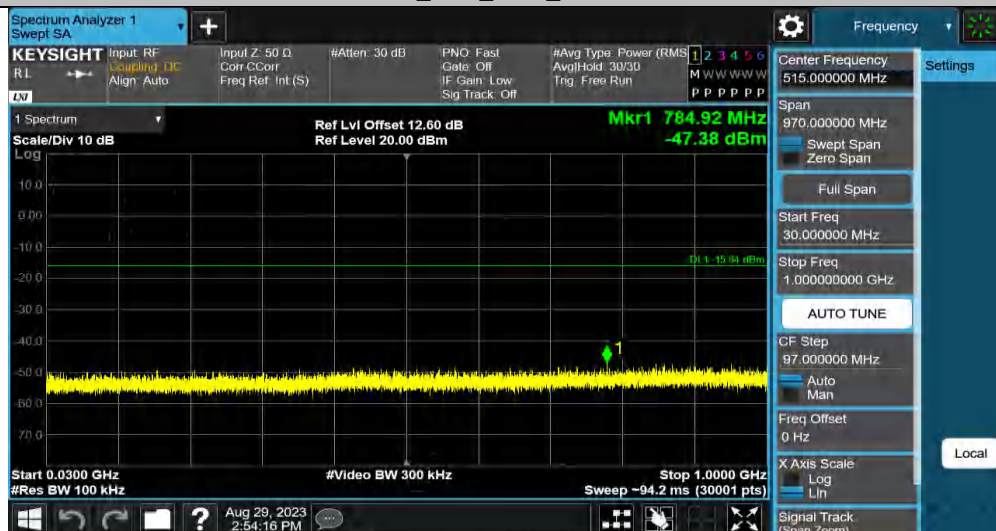
3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



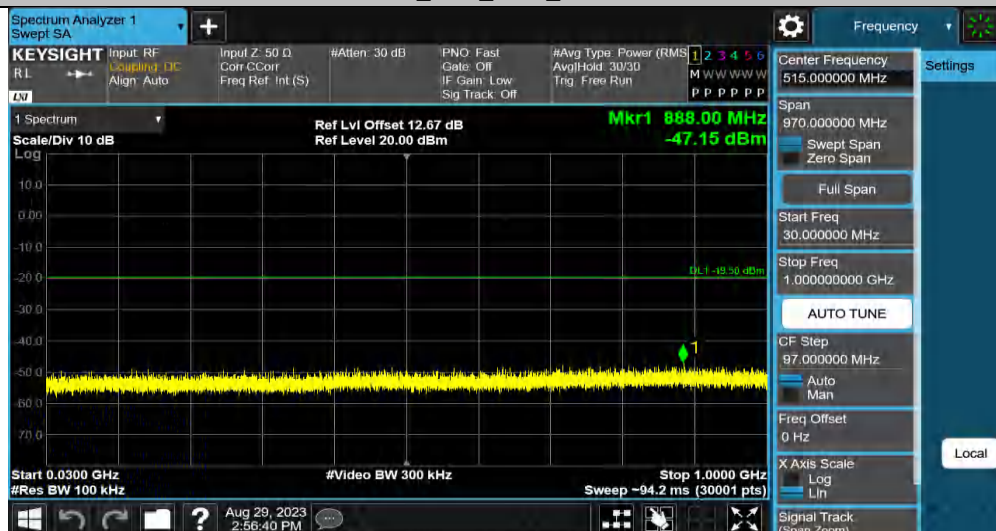
3DH5_Ant1_2441_1000~26500



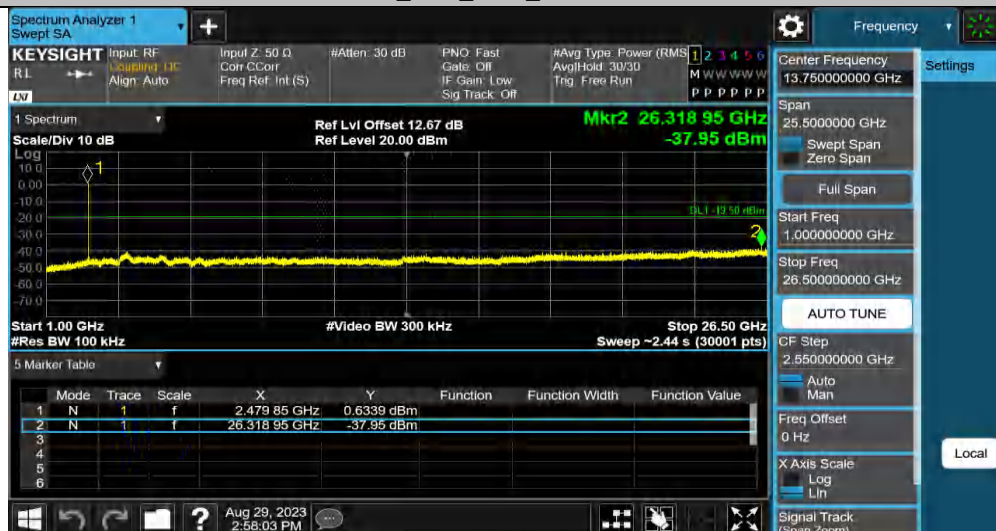
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



Appendix A.7: Test Results of Radiated Spurious Emissions

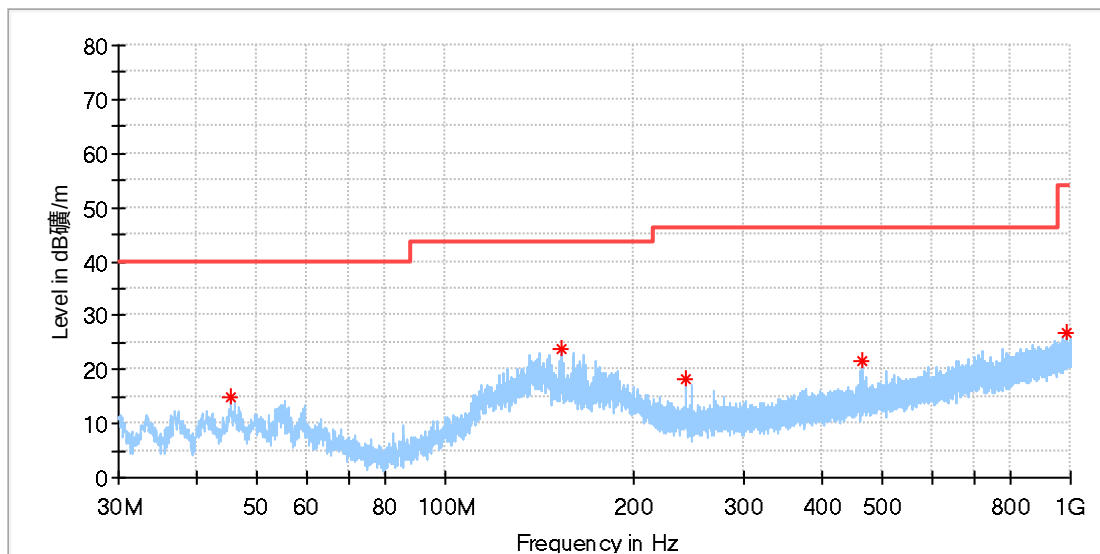
Note:

- 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.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

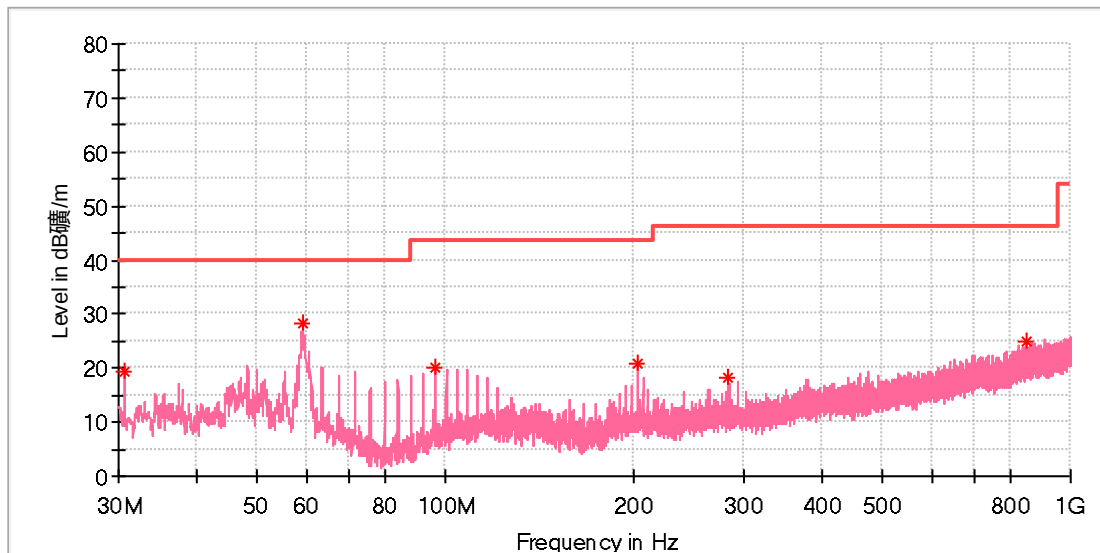
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.482692	14.80	40.00	25.20	100.0	H	188.0	-19.1
153.040769	23.81	43.50	19.69	100.0	H	156.0	-22.4
242.952308	18.08	46.00	27.92	100.0	H	93.0	-17.9
463.590000	21.67	46.00	24.33	100.0	H	247.0	-13.0
987.949615	26.68	54.00	27.32	100.0	H	33.0	-4.3

Final Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 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	19.32	40.00	20.68	100.0	V	10.0	-23.2
59.286539	28.26	40.00	11.74	100.0	V	62.0	-19.2
96.258462	20.20	43.50	23.30	100.0	V	3.0	-19.9
202.734615	20.89	43.50	22.61	100.0	V	10.0	-19.3
282.423846	18.22	46.00	27.78	100.0	V	0.0	-17.0
850.060385	24.89	46.00	21.11	100.0	V	202.0	-5.9

Final Result

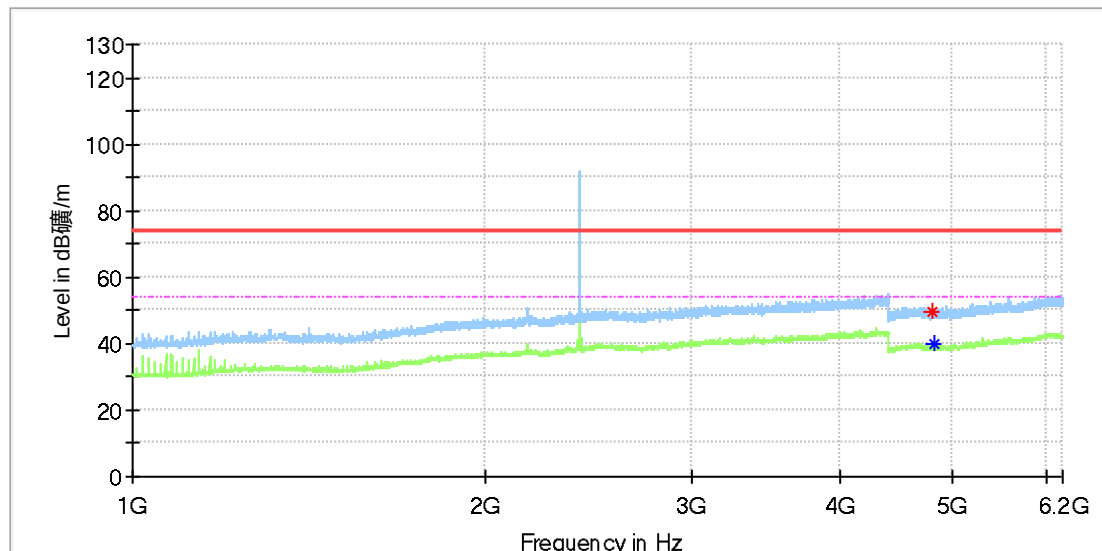
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

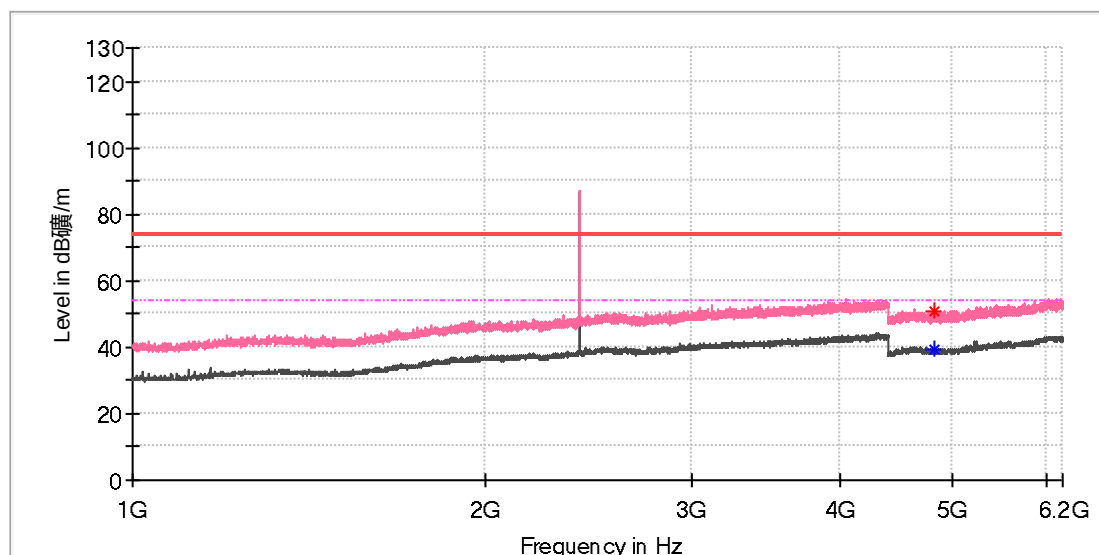
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4802.000000	49.86	---	74.00	24.14	150.0	H	164.0	11.8
4813.500000	---	39.67	54.00	14.33	150.0	H	260.0	11.8

Final Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

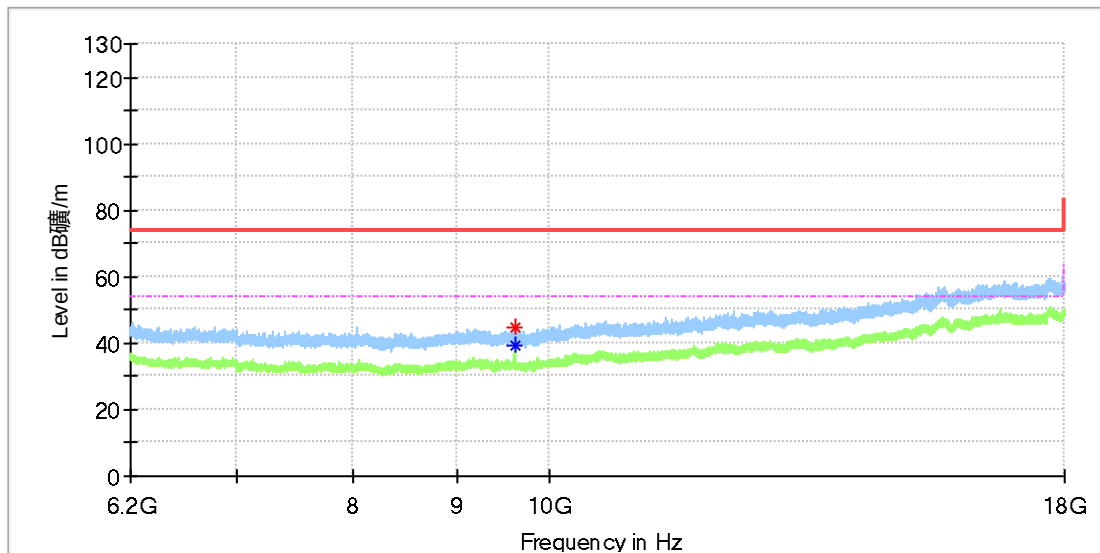
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4812.500000	50.71	---	74.00	23.29	150.0	V	250.0	11.8
4815.500000	---	39.56	54.00	14.44	150.0	V	98.0	11.8

Final Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

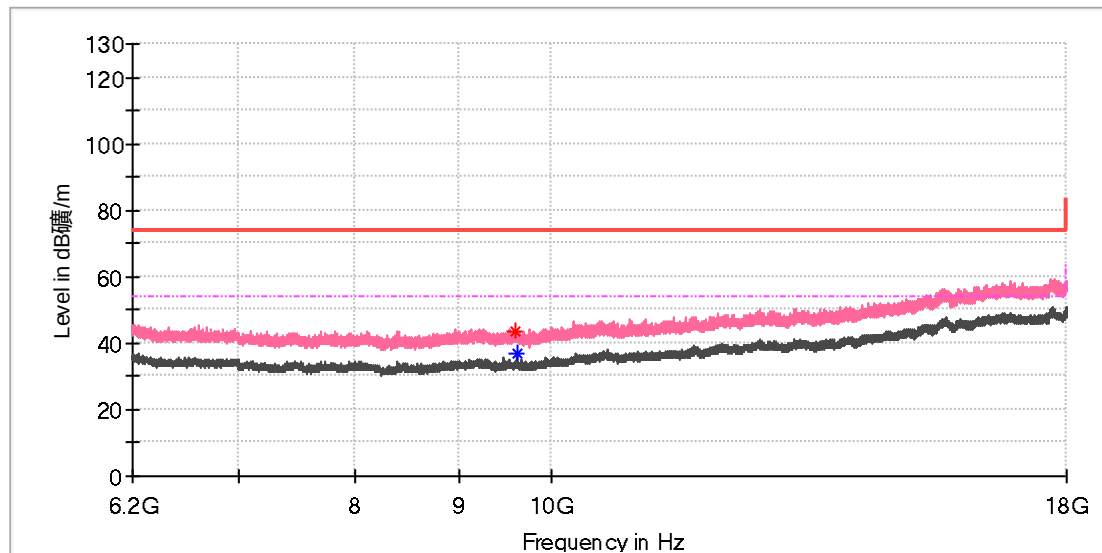
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9607.741667	44.95	---	74.00	29.05	150.0	H	230.0	10.4
9607.741667	---	39.25	54.00	14.75	150.0	H	230.0	10.4

Final Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

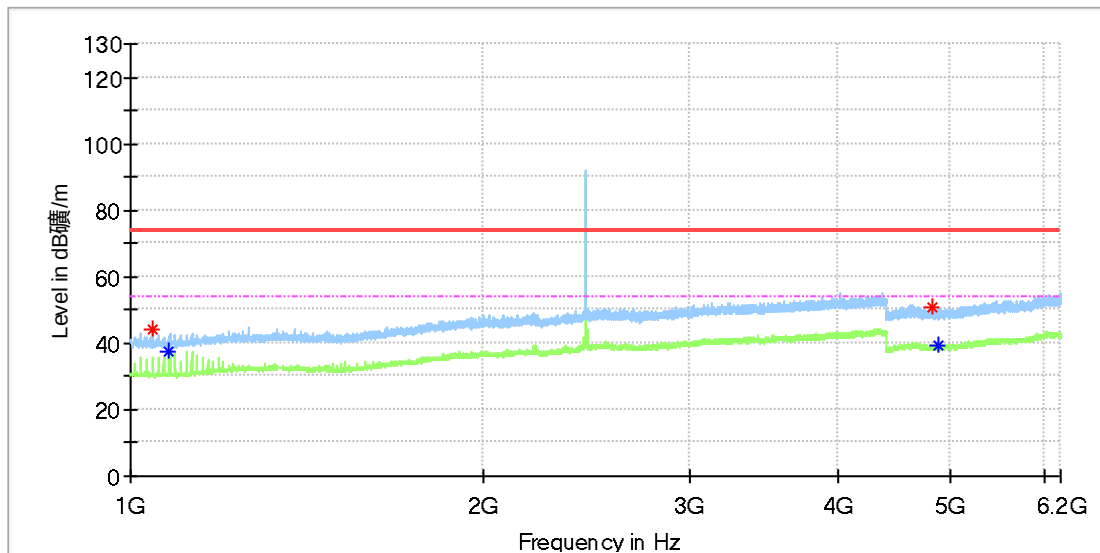
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9595.941667	43.68	---	74.00	30.32	150.0	V	190.0	10.3
9607.741667	---	36.69	54.00	17.31	150.0	V	45.0	10.4

Final Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

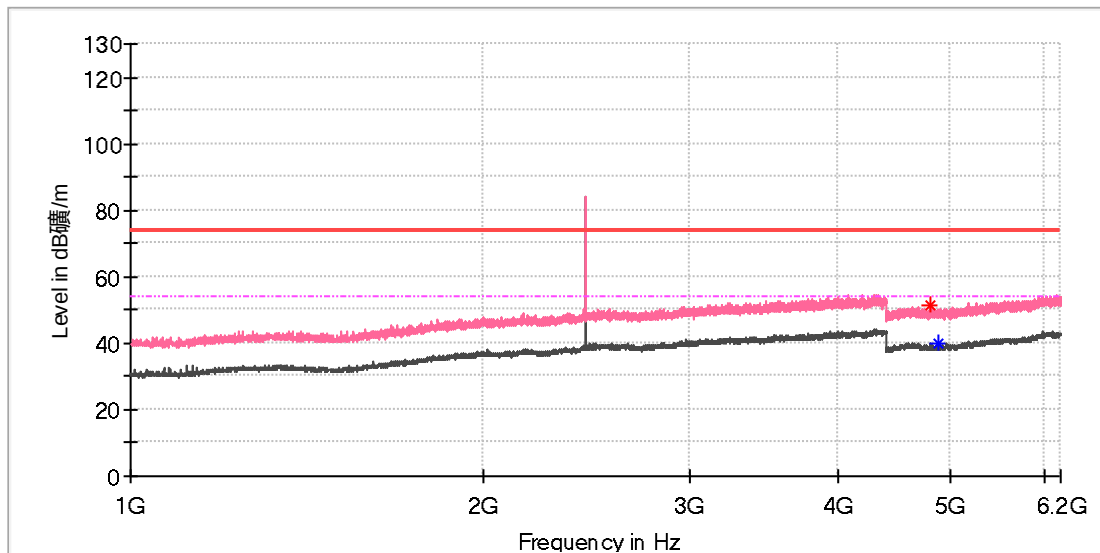
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1044.000000	44.02	---	74.00	29.98	150.0	H	220.0	-0.2
1079.500000	---	37.50	54.00	16.50	150.0	H	226.0	-0.2
4820.500000	50.83	---	74.00	23.17	150.0	H	191.0	11.8
4881.500000	---	39.15	54.00	14.85	150.0	H	199.0	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:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

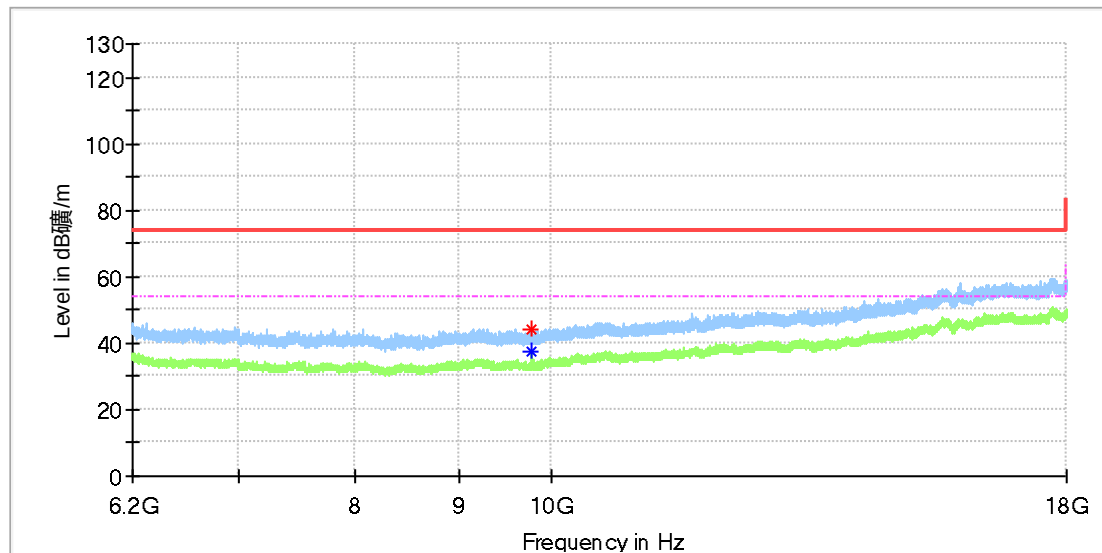
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4807.000000	51.39	---	74.00	22.61	150.0	V	147.0	11.8
4882.000000	---	40.20	54.00	13.80	150.0	V	112.0	11.8

Final Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

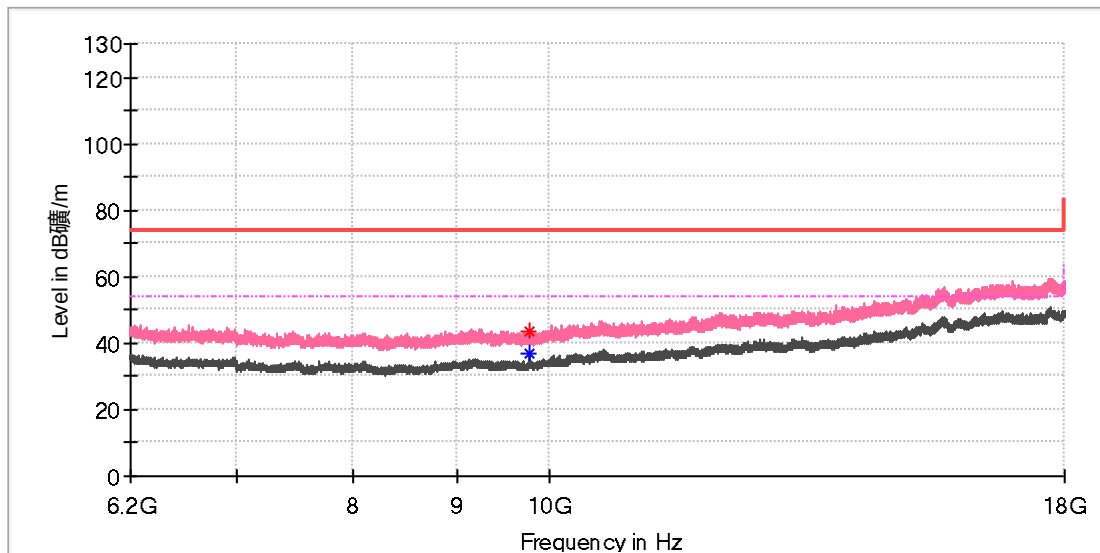
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9764.091667	---	37.72	54.00	16.28	150.0	H	238.0	10.4
9765.075000	44.30	---	74.00	29.70	150.0	H	203.0	10.4

Final_Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

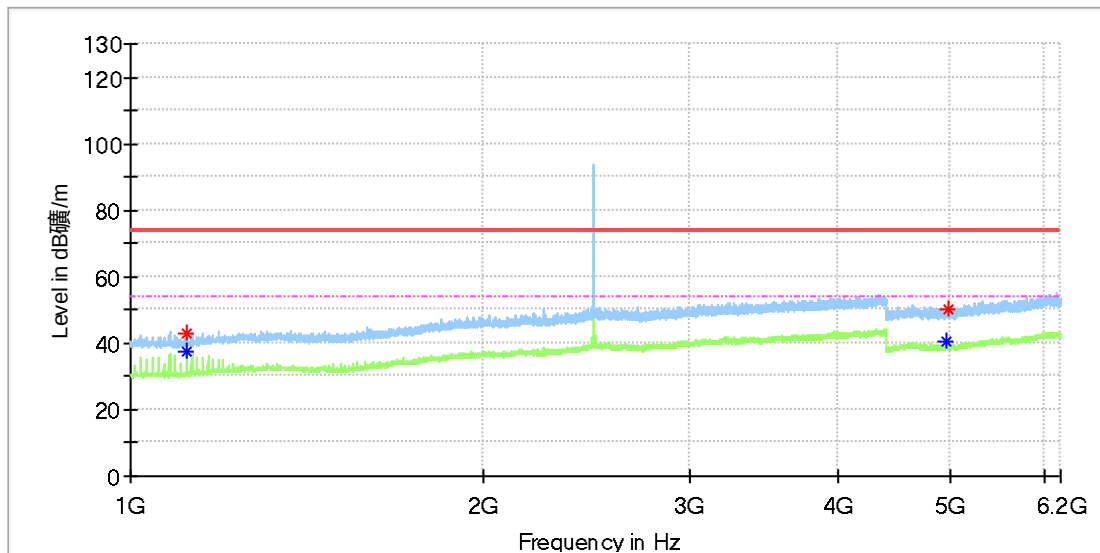
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9764.091667	43.44	---	74.00	30.56	150.0	V	47.0	10.4
9764.091667	---	37.01	54.00	16.99	150.0	V	47.0	10.4

Final_Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

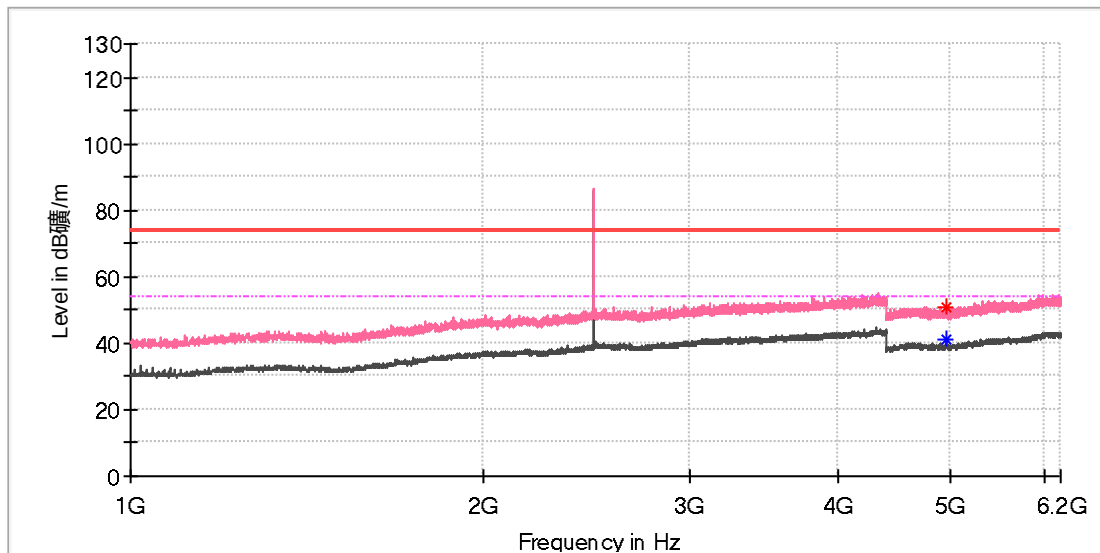
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1115.500000	43.20	---	74.00	30.80	150.0	H	229.0	0.1
1115.500000	---	37.71	54.00	16.29	150.0	H	229.0	0.1
4959.500000	---	40.32	54.00	13.68	150.0	H	207.0	11.8
4971.000000	50.45	---	74.00	23.55	150.0	H	186.0	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:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

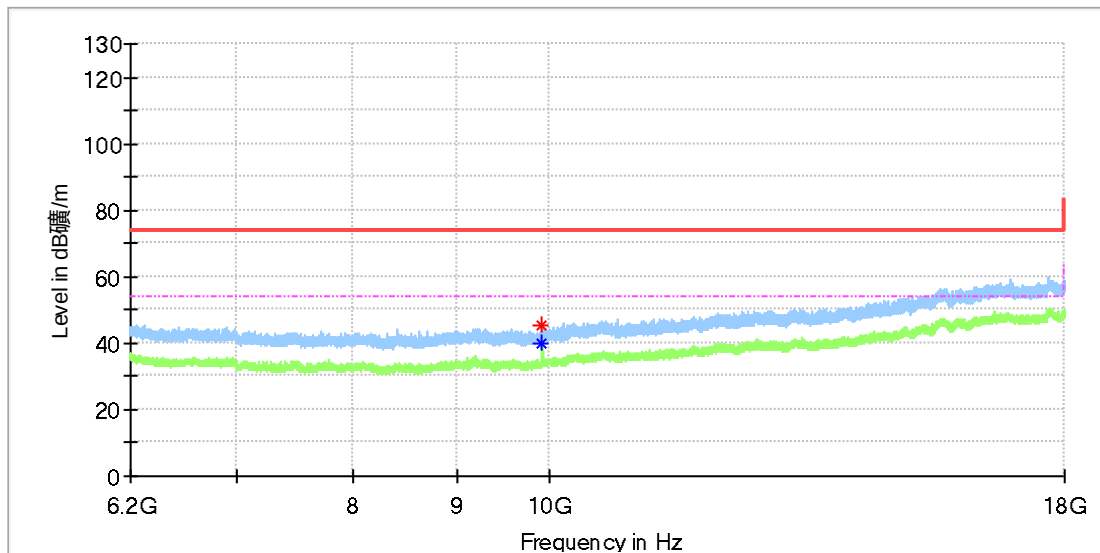
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4952.000000	50.56	---	74.00	23.44	150.0	V	198.0	11.8
4960.000000	---	40.89	54.00	13.11	150.0	V	204.0	11.8

Final Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

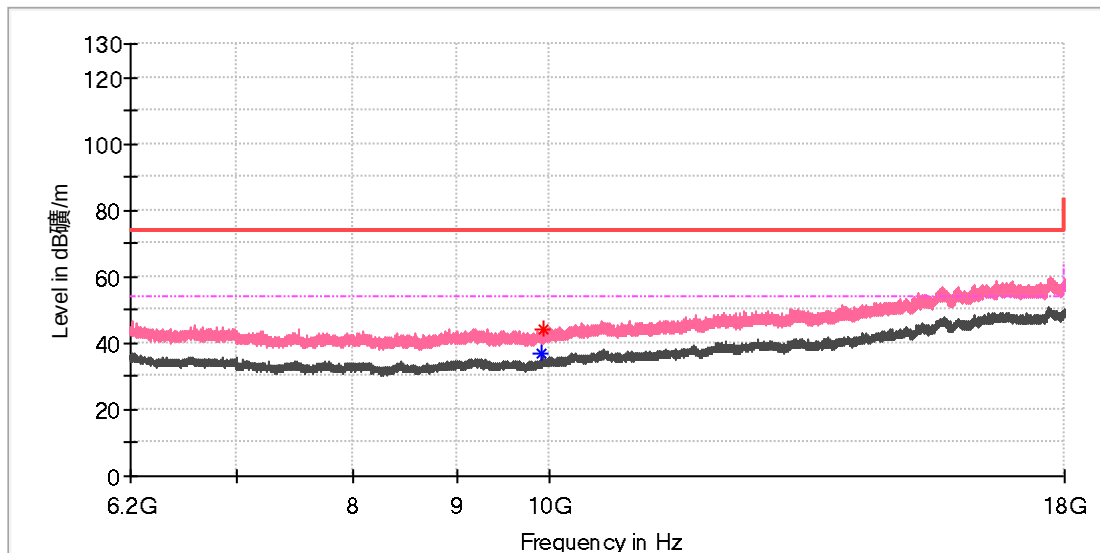
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9919.458333	45.23	---	74.00	28.77	150.0	H	229.0	10.8
9919.950000	---	39.80	54.00	14.20	150.0	H	275.0	10.8

Final Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 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)
9919.458333	---	37.18	54.00	16.82	150.0	V	46.0	10.8
9931.258333	44.23	---	74.00	29.77	150.0	V	213.0	10.9

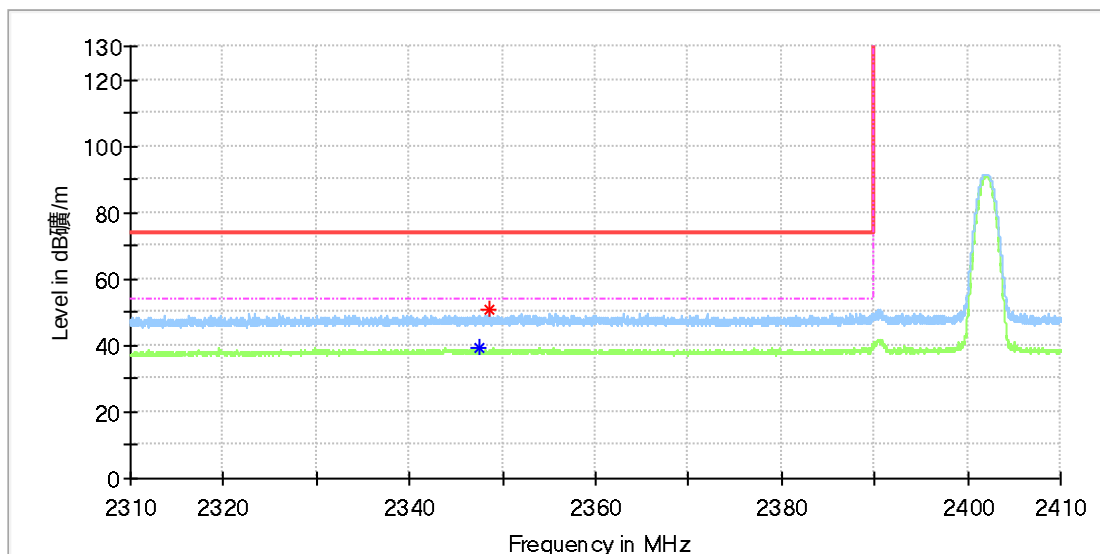
Final_Result

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:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

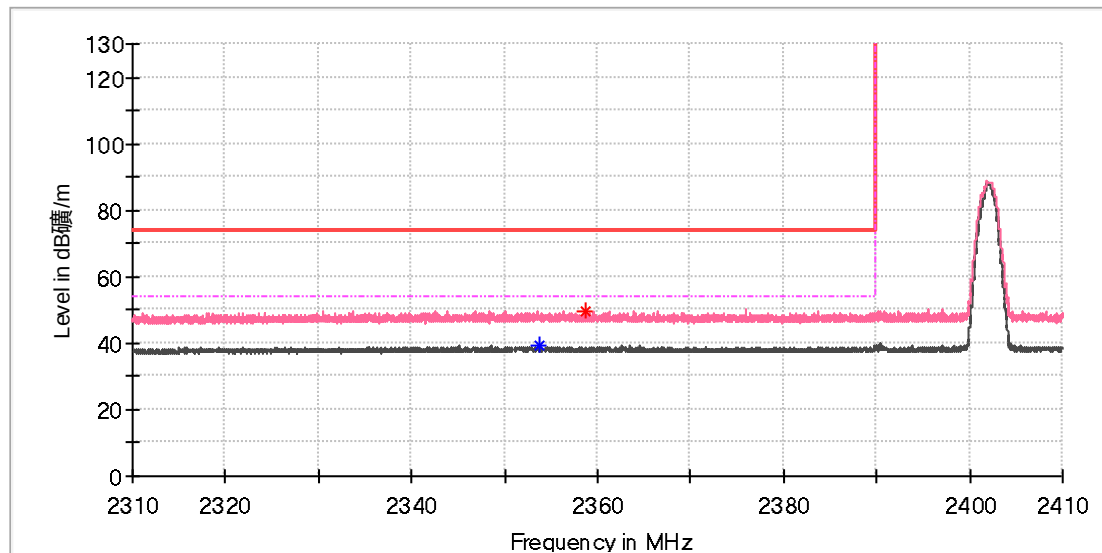
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2347.500000	---	39.10	54.00	14.90	150.0	H	56.0	6.9
2348.647059	50.59	---	74.00	23.41	150.0	H	56.0	6.9

Final Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

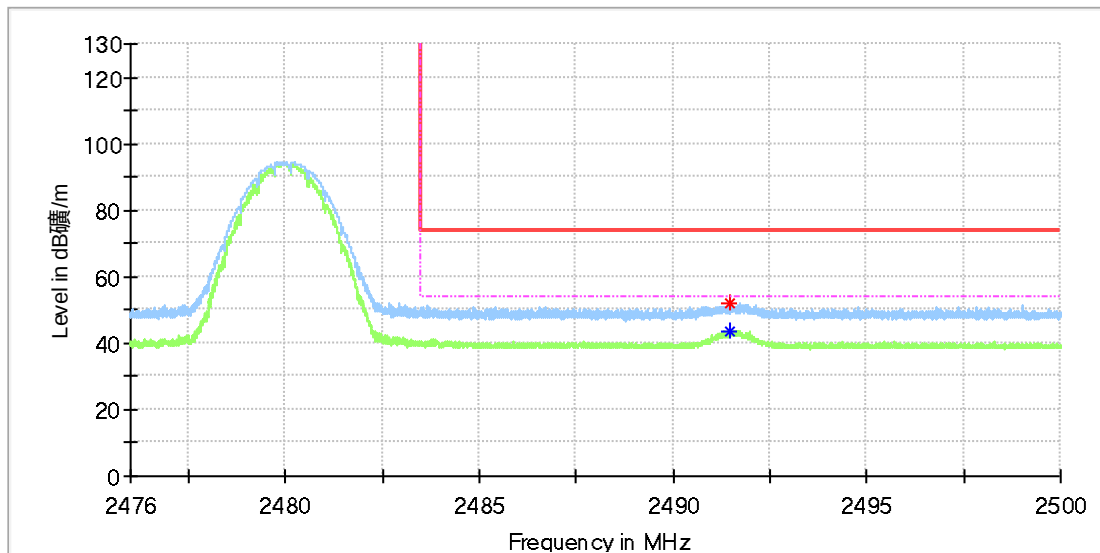
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2353.779412	---	39.16	54.00	14.84	150.0	V	240.0	6.9
2358.676471	49.77	---	74.00	24.23	150.0	V	205.0	6.9

Final Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

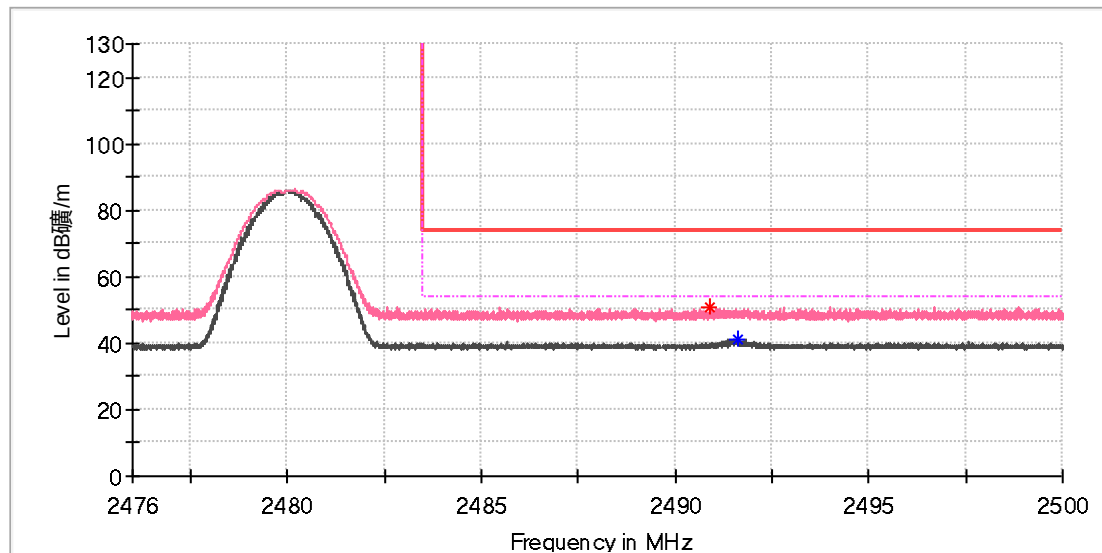
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2491.444706	---	43.81	54.00	10.19	150.0	H	285.0	7.4
2491.448235	52.29	---	74.00	21.71	150.0	H	4.0	7.4

Final_Result

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

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Model:	NS-2810BT
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168439616/A003538934-003
Test Voltage:	AC 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)
2490.876471	50.80	---	74.00	23.20	150.0	V	313.0	7.4
2491.614118	---	41.34	54.00	12.66	150.0	V	313.0	7.4

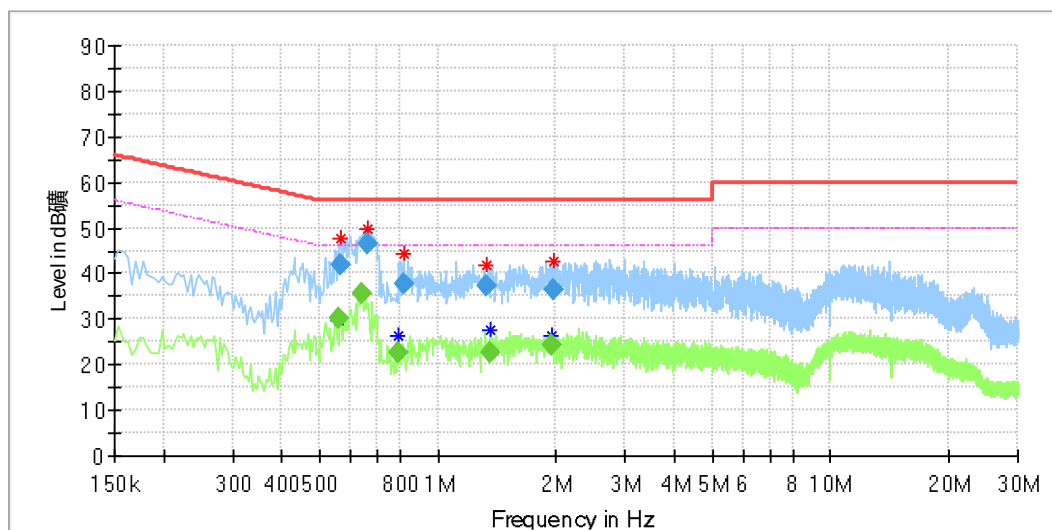
Final Result

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

Appendix A.9: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name:	Color Changing Computer Speakers with Bluetooth
Order Number:	168439616 30
Model:	NS-2810BT
Test Mode:	Normal Operation
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Soloman Wu/Gary Chen
Tem./Hum./Pressure:	24.0°C/50.2%/101kPa
Remark:	SR1



Critical_Freqs

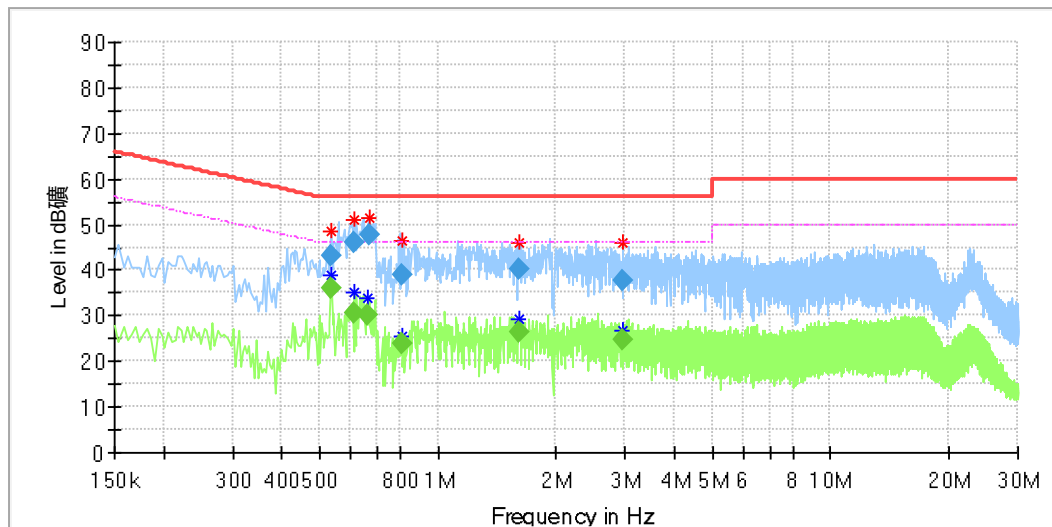
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.557500	---	29.61	46.00	16.39	L1	10.0
0.566500	47.59	---	56.00	8.41	L1	10.0
0.637500	---	35.58	46.00	10.42	L1	10.0
0.661500	49.79	---	56.00	6.21	L1	10.0
0.793500	---	26.45	46.00	19.55	L1	10.0
0.822500	44.17	---	56.00	11.83	L1	10.0
1.337500	41.67	---	56.00	14.33	L1	10.1
1.357500	---	27.76	46.00	18.24	L1	10.1
1.957500	---	26.45	46.00	19.55	L1	10.1
1.965500	42.89	---	56.00	13.11	L1	10.1

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.557500	---	30.08	46.00	15.92	1000.0	9.000	L1	10.0
0.566500	41.88	---	56.00	14.12	1000.0	9.000	L1	10.0
0.637500	---	35.72	46.00	10.28	1000.0	9.000	L1	10.0
0.661500	46.60	---	56.00	9.40	1000.0	9.000	L1	10.0
0.793500	---	22.48	46.00	23.52	1000.0	9.000	L1	10.0
0.822500	37.85	---	56.00	18.15	1000.0	9.000	L1	10.0
1.337500	37.41	---	56.00	18.59	1000.0	9.000	L1	10.1
1.357500	---	22.78	46.00	23.22	1000.0	9.000	L1	10.1
1.957500	---	24.12	46.00	21.88	1000.0	9.000	L1	10.1
1.965500	36.55	---	56.00	19.45	1000.0	9.000	L1	10.1

EUT Information

EUT Name: Color Changing Computer Speakers with Bluetooth
Order Number: 168439616 30
Model: NS-2810BT
Test Mode: Normal Operation
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15
Test By:/Review By: Solomon Wu/Gary Chen
Tem./Hum./Pressure: 24.0°C/50.2%/101kPa
Remark: SR1



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.533500	48.66	---	56.00	7.34	N	9.8
0.537500	---	38.95	46.00	7.05	N	9.8
0.609500	---	35.22	46.00	10.78	N	9.8
0.609500	51.05	---	56.00	4.95	N	9.8
0.661500	---	33.83	46.00	12.17	N	9.8
0.669500	51.64	---	56.00	4.36	N	9.8
0.813500	---	25.71	46.00	20.29	N	9.8
0.813500	46.38	---	56.00	9.62	N	9.8
1.613500	46.01	---	56.00	9.99	N	9.8
1.617500	---	29.13	46.00	16.87	N	9.8
2.969500	---	26.69	46.00	19.31	N	9.9
2.970500	46.09	---	56.00	9.91	N	9.9

Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.533500	43.15	---	56.00	12.85	1000.0	9.000	N	9.8
0.537500	---	35.85	46.00	10.15	1000.0	9.000	N	9.8
0.609500	46.05	---	56.00	9.95	1000.0	9.000	N	9.8
0.609500	---	30.62	46.00	15.38	1000.0	9.000	N	9.8
0.661500	---	30.23	46.00	15.77	1000.0	9.000	N	9.8
0.669500	47.57	---	56.00	8.43	1000.0	9.000	N	9.8
0.813500	---	23.79	46.00	22.21	1000.0	9.000	N	9.8
0.813500	38.89	---	56.00	17.11	1000.0	9.000	N	9.8
1.613500	40.26	---	56.00	15.74	1000.0	9.000	N	9.8
1.617500	---	26.47	46.00	19.53	1000.0	9.000	N	9.8
2.969500	---	24.61	46.00	21.39	1000.0	9.000	N	9.9
2.970500	37.48	---	56.00	18.52	1000.0	9.000	N	9.9