

FCC Appendix RF Test Data for BT

FCC ID : 2A3DR-AGMN2

Company : AGM MOBILE LIMITED

EUT : 4G smart Phone

Model Number : AGM_NOTE_N2

Report No. : CTA26041102314

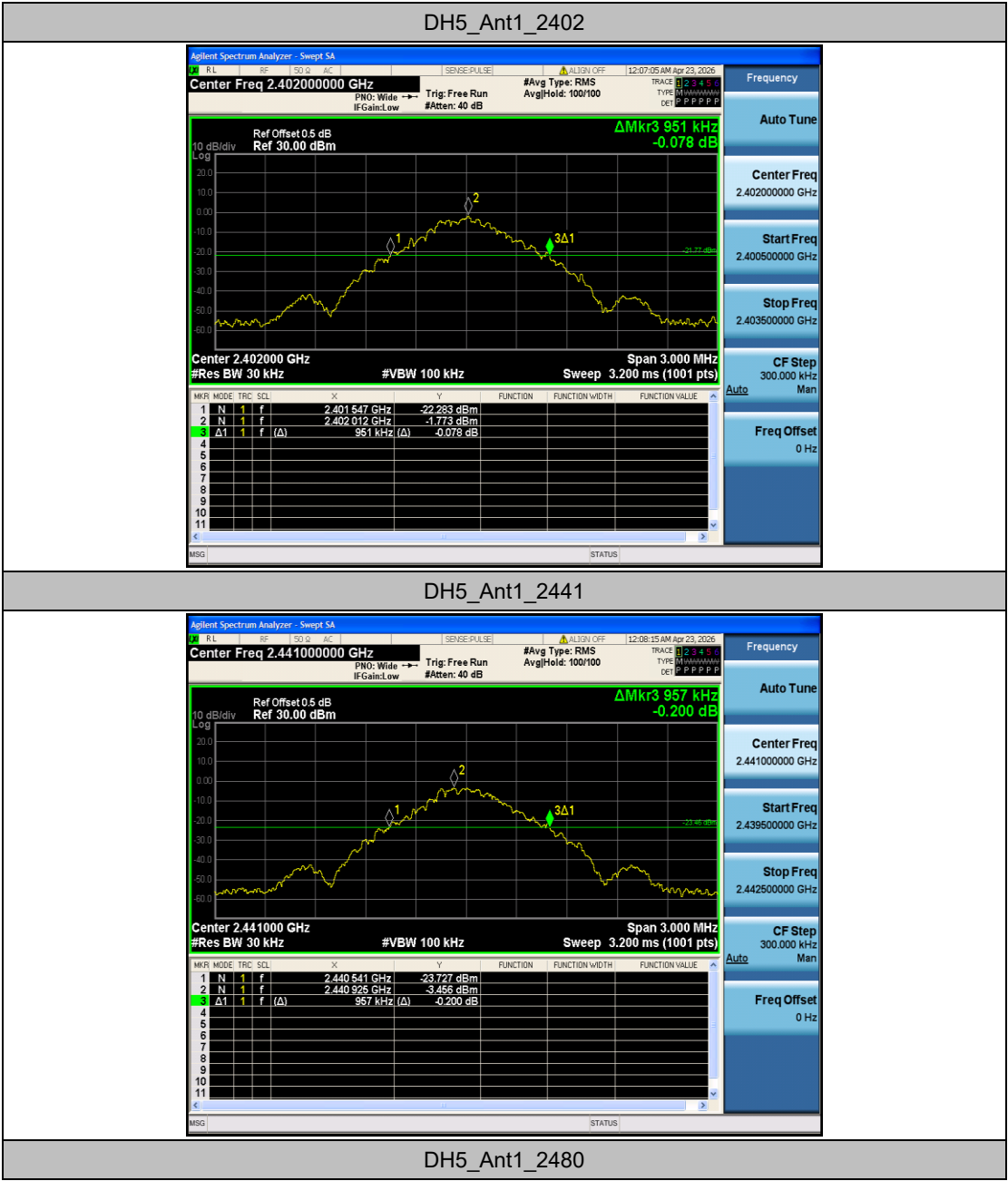
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.547	2402.498	---	---
		2441	0.957	2440.541	2441.498	---	---
		2480	0.960	2479.544	2480.504	---	---
2DH5	Ant1	2402	1.287	2401.376	2402.663	---	---
		2441	1.323	2440.343	2441.666	---	---
		2480	1.353	2479.334	2480.687	---	---
3DH5	Ant1	2402	1.317	2401.355	2402.672	---	---
		2441	1.320	2440.352	2441.672	---	---
		2480	1.302	2479.361	2480.663	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86732	2401.5728	2402.4401	---	---
		2441	0.86182	2440.5770	2441.4388	---	---
		2480	0.86640	2479.5773	2480.4437	---	---
2DH5	Ant1	2402	1.1979	2401.4108	2402.6087	---	---
		2441	1.1931	2440.4131	2441.6062	---	---
		2480	1.1782	2479.4241	2480.6023	---	---
3DH5	Ant1	2402	1.1996	2401.4089	2402.6085	---	---
		2441	1.1895	2440.4158	2441.6053	---	---
		2480	1.1832	2479.4205	2480.6037	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



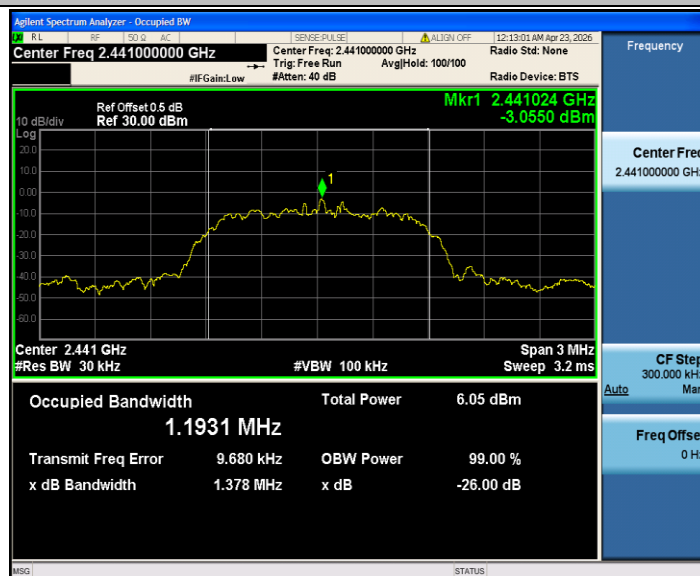
DH5_Ant1_2480



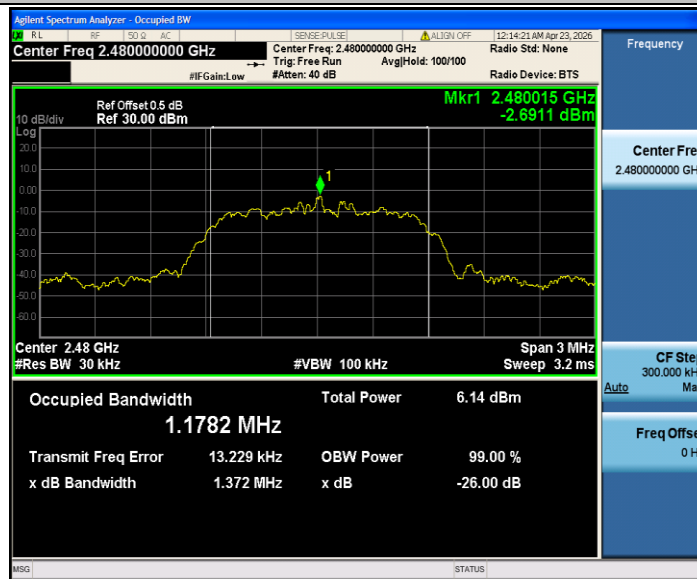
2DH5_Ant1_2402



2DH5_Ant1_2441



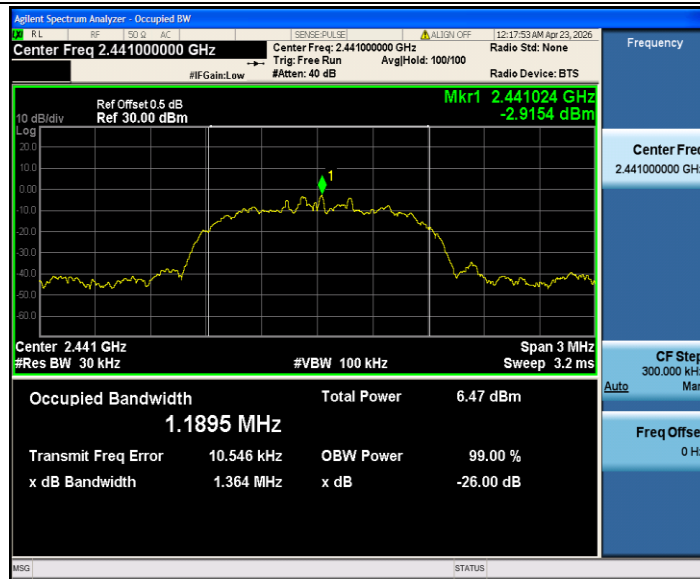
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.09	≤20.97	PASS
		2441	-0.56	≤20.97	PASS
		2480	-0.82	≤20.97	PASS
2DH5	Ant1	2402	2.73	≤20.97	PASS
		2441	2.04	≤20.97	PASS
		2480	1.74	≤20.97	PASS
3DH5	Ant1	2402	3.18	≤20.97	PASS
		2441	2.44	≤20.97	PASS
		2480	2.21	≤20.97	PASS

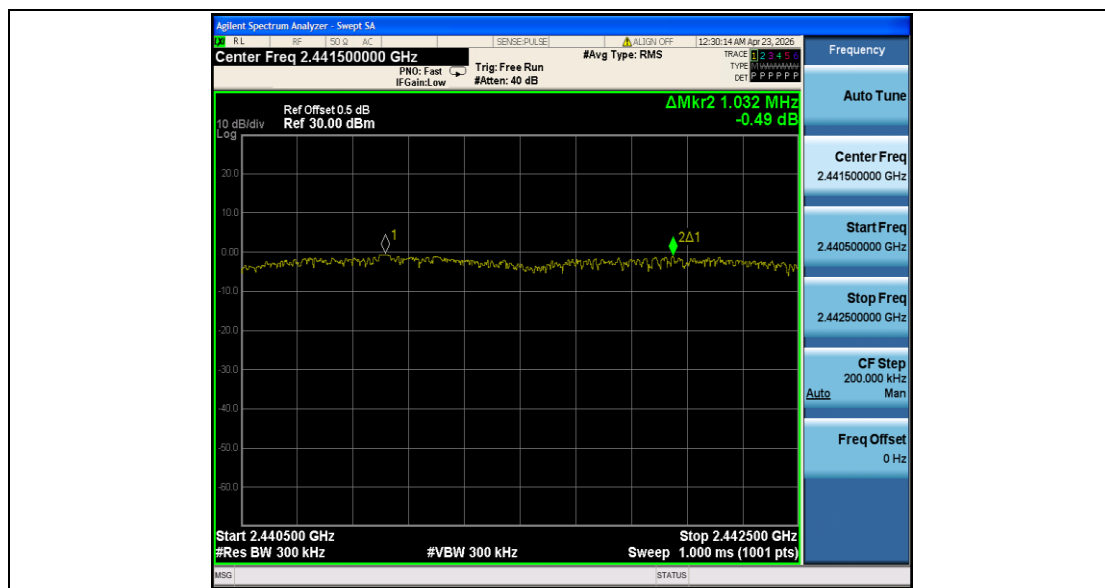
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.974	≥ 0.960	PASS
2DH5	Ant1	Hop	0.958	≥ 0.902	PASS
3DH5	Ant1	Hop	1.032	≥ 0.880	PASS

Test Graphs



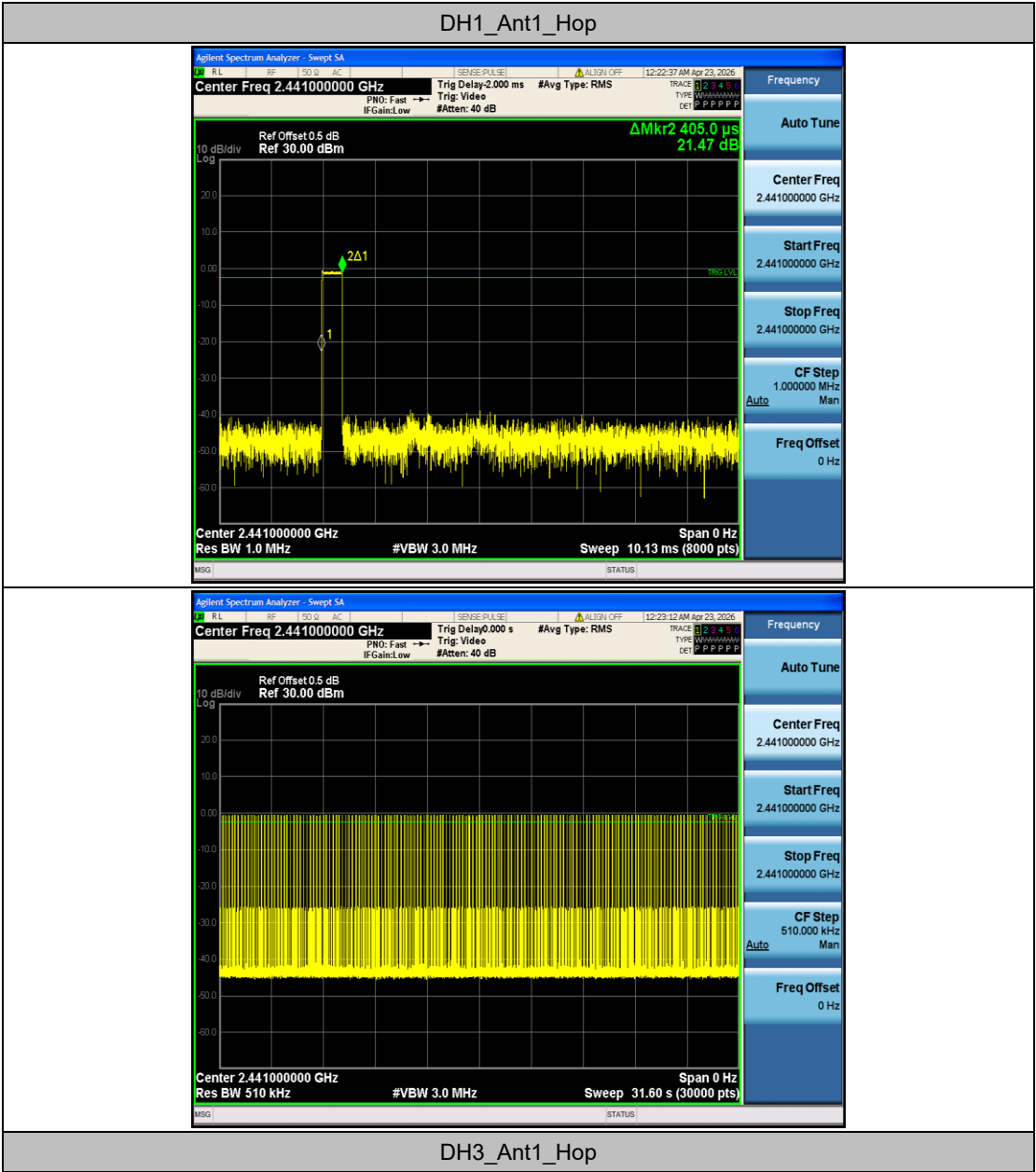


Appendix E: Time of occupancy

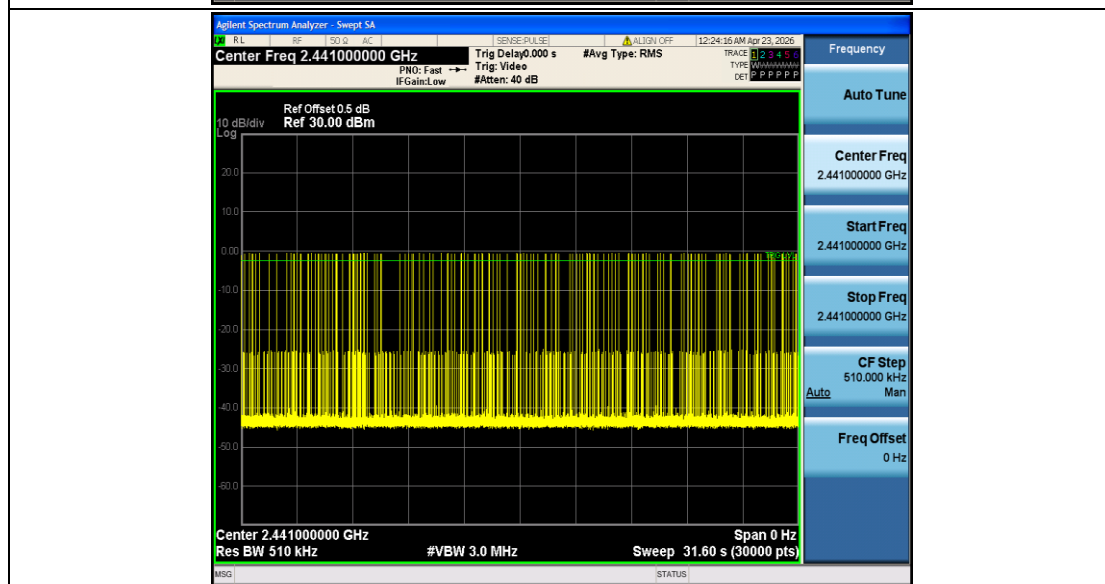
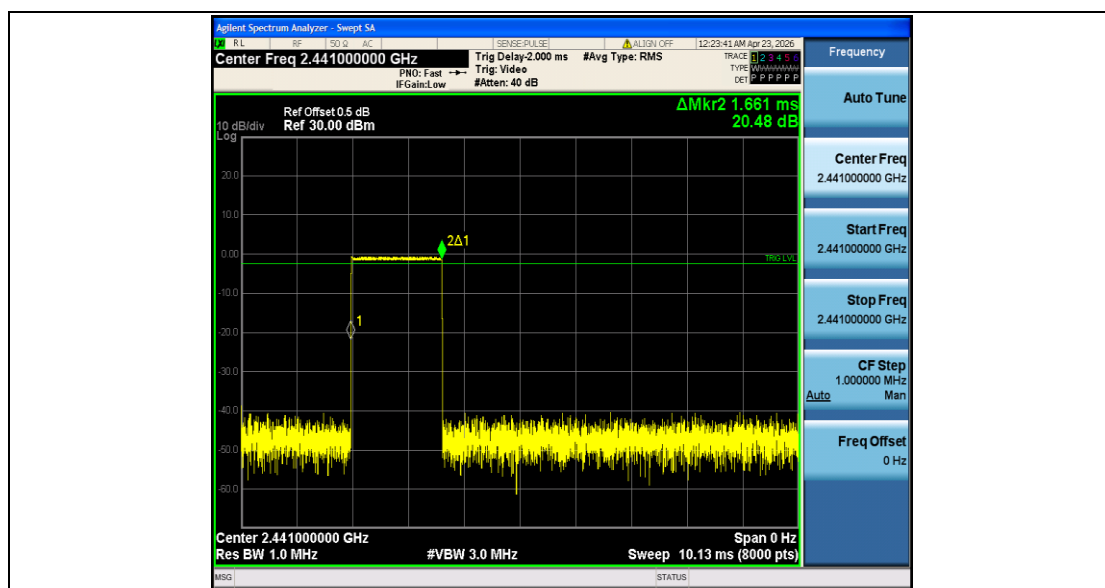
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	316	0.128	≤0.4	PASS
DH3	Ant1	Hop	1.661	154	0.256	≤0.4	PASS
DH5	Ant1	Hop	2.910	109	0.317	≤0.4	PASS
2DH1	Ant1	Hop	0.414	315	0.13	≤0.4	PASS
2DH3	Ant1	Hop	1.668	160	0.267	≤0.4	PASS
2DH5	Ant1	Hop	2.916	109	0.318	≤0.4	PASS
3DH1	Ant1	Hop	0.415	317	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.664	162	0.27	≤0.4	PASS
3DH5	Ant1	Hop	2.916	105	0.306	≤0.4	PASS

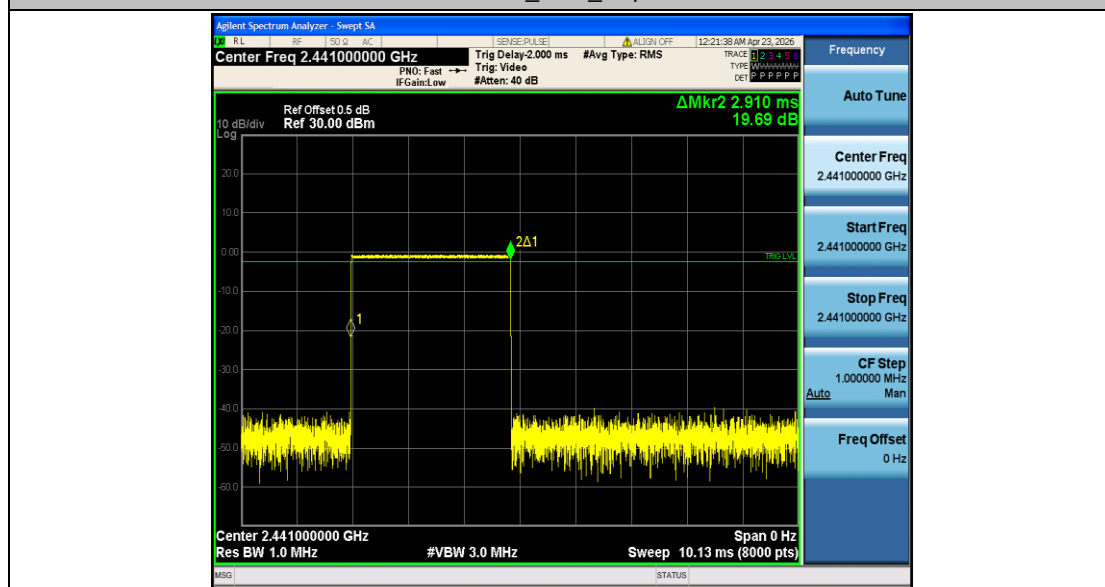
Test Graphs

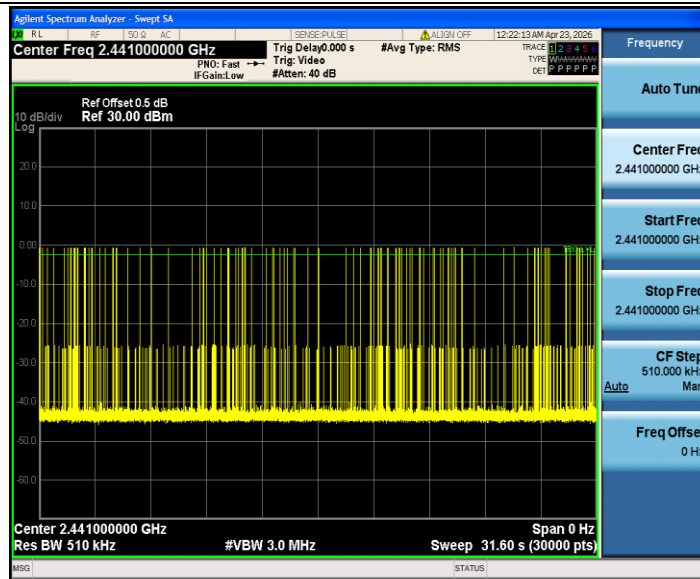


DH3_Ant1_Hop

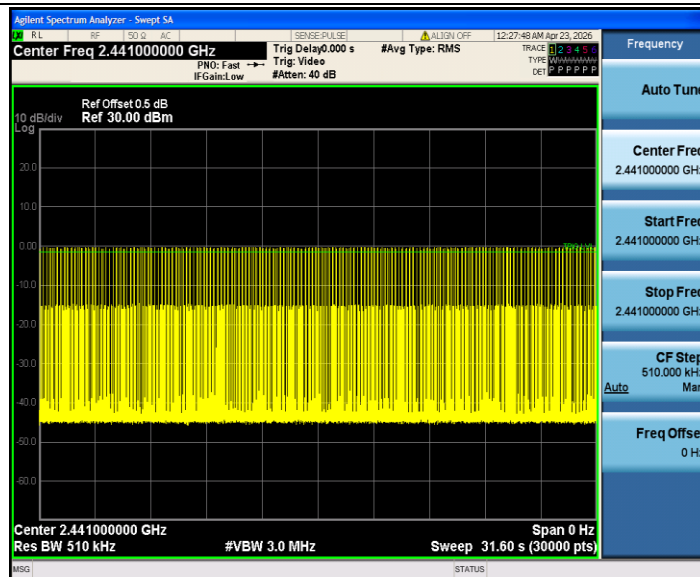
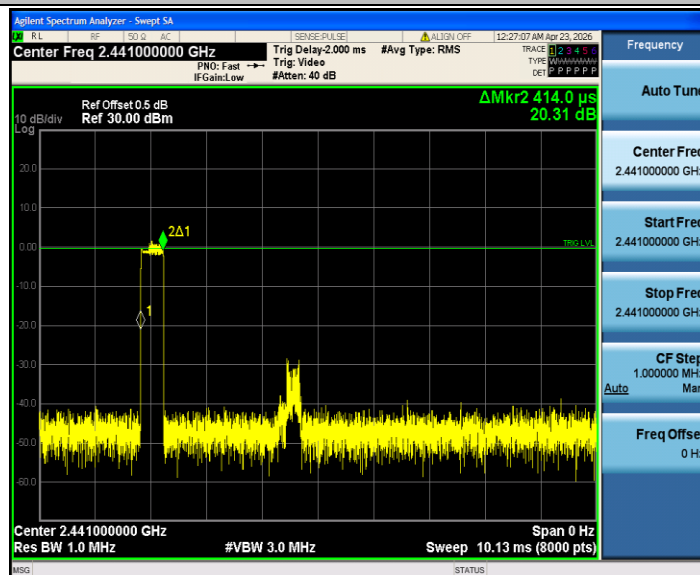


DH5_Ant1_Hop

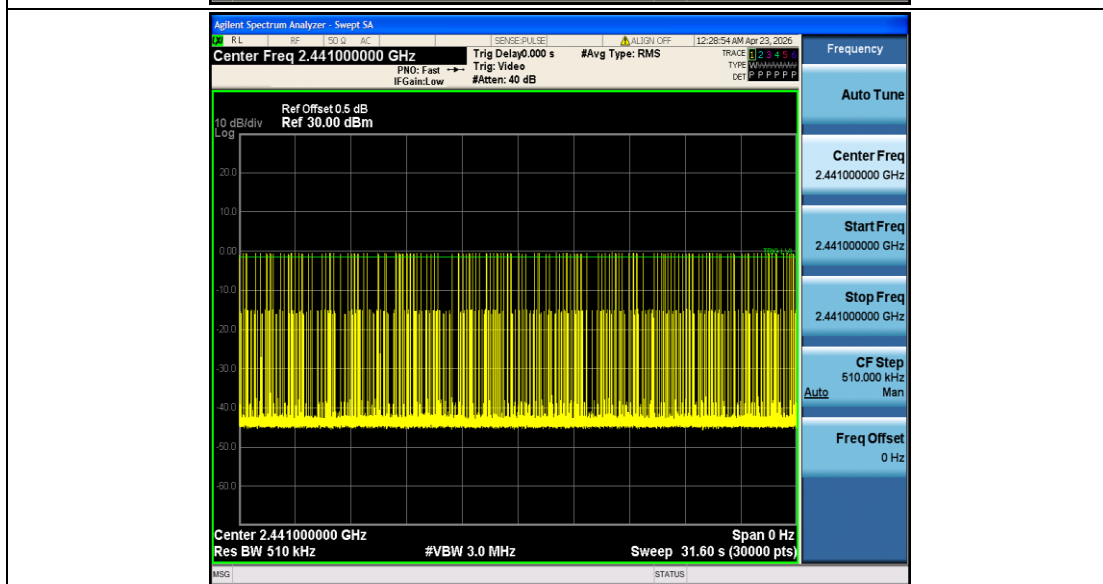
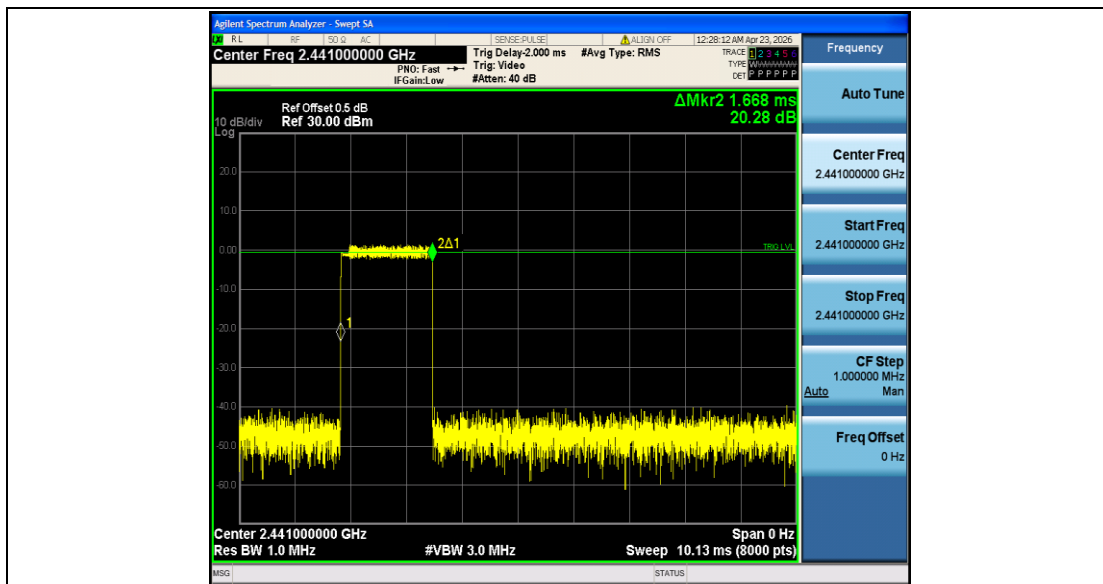




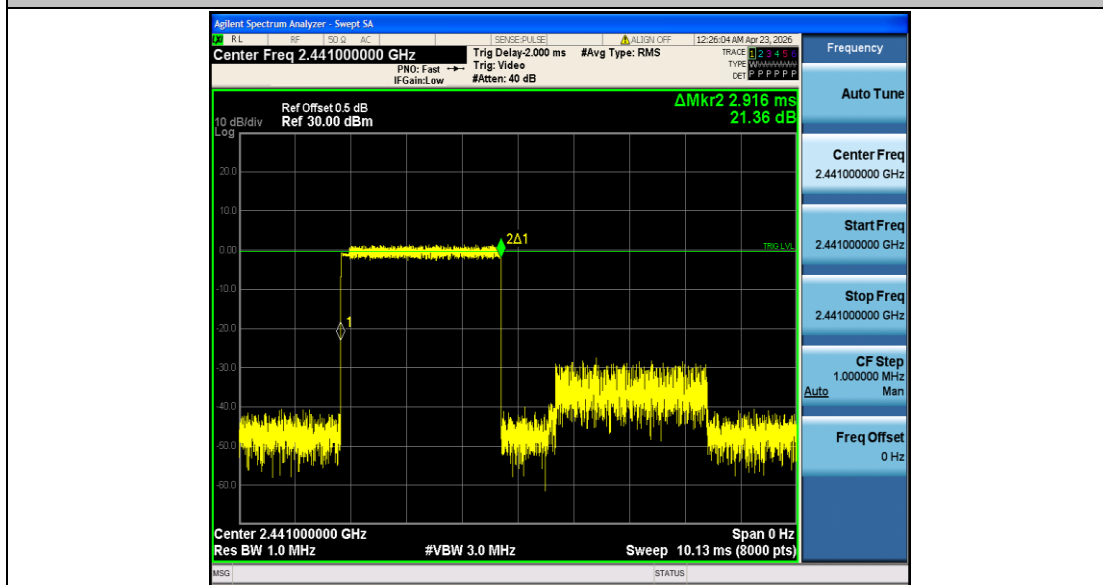
2DH1_Ant1_Hop

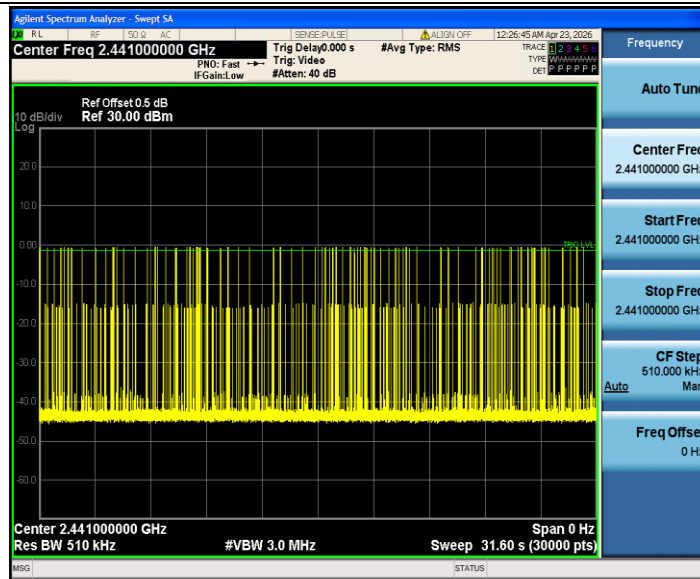


2DH3_Ant1_Hop

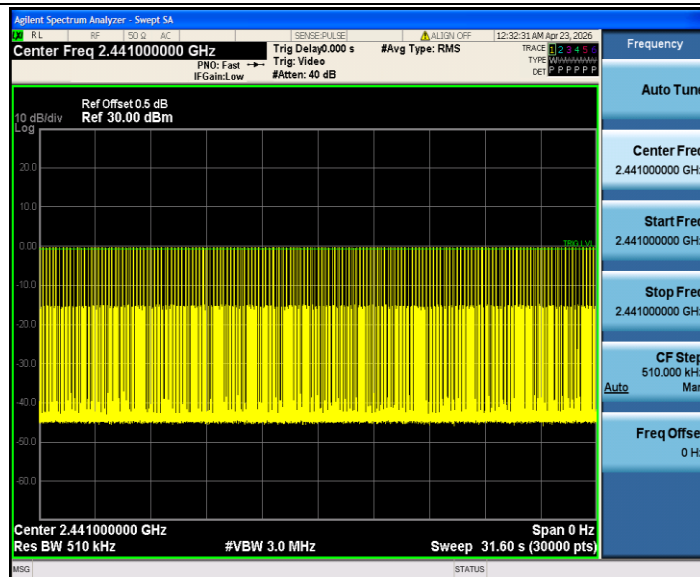
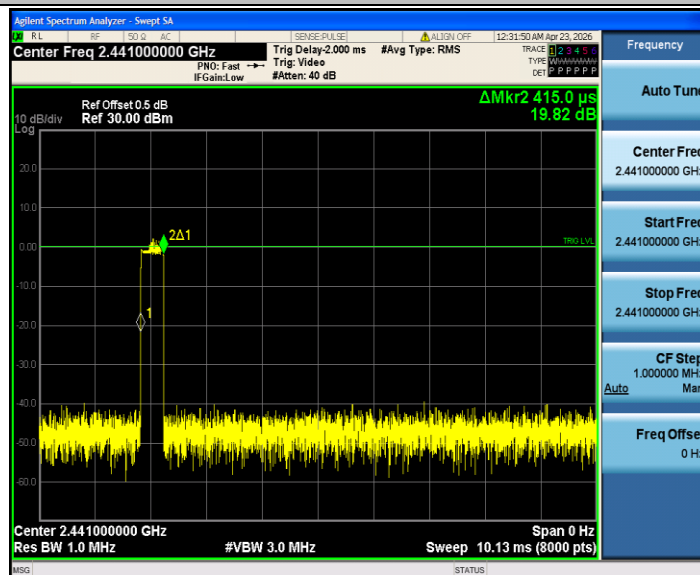


2DH5_Ant1_Hop

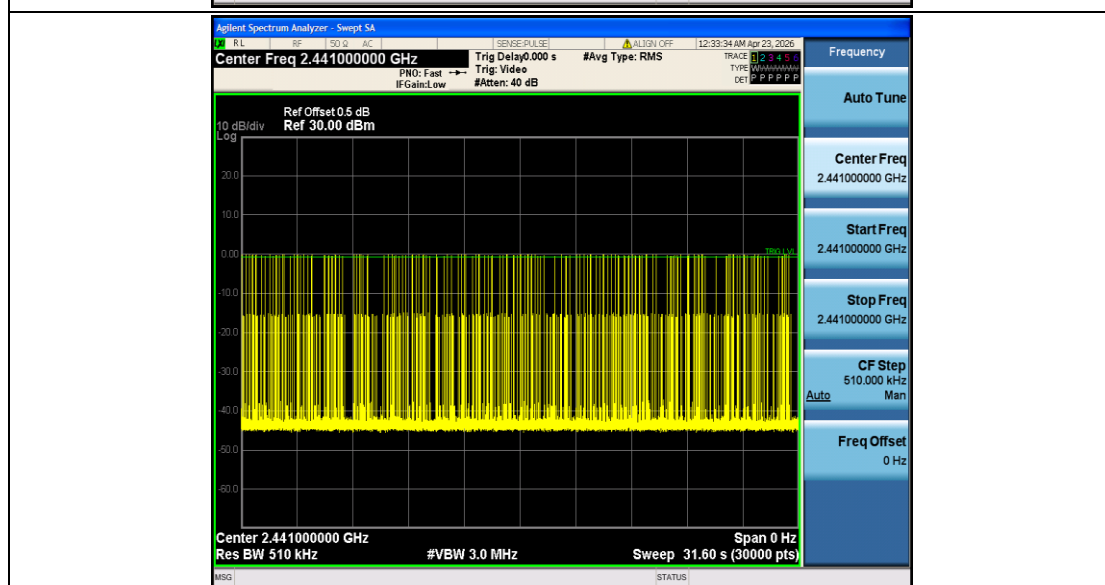
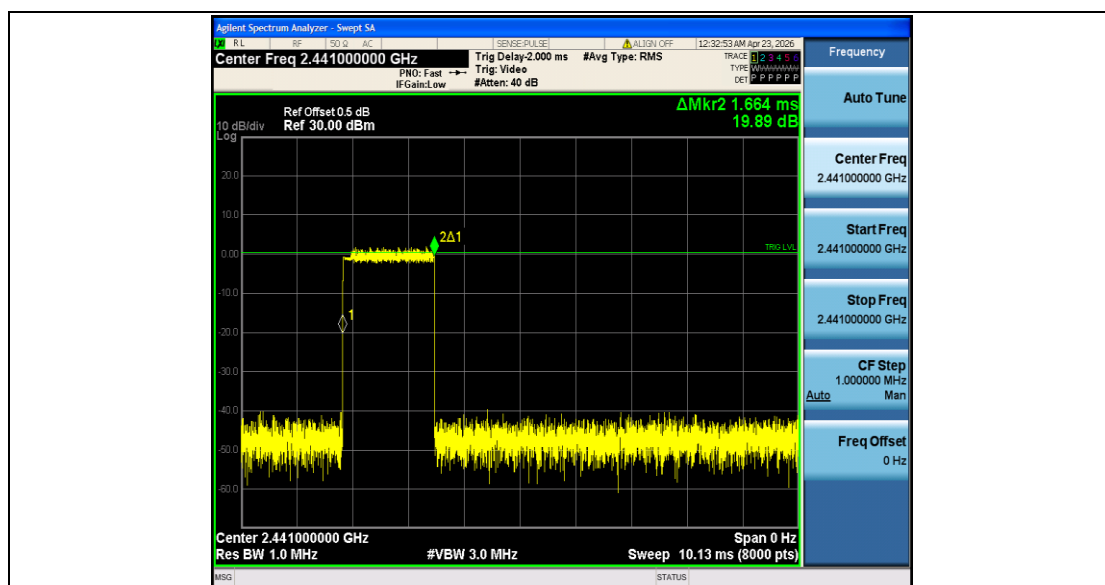




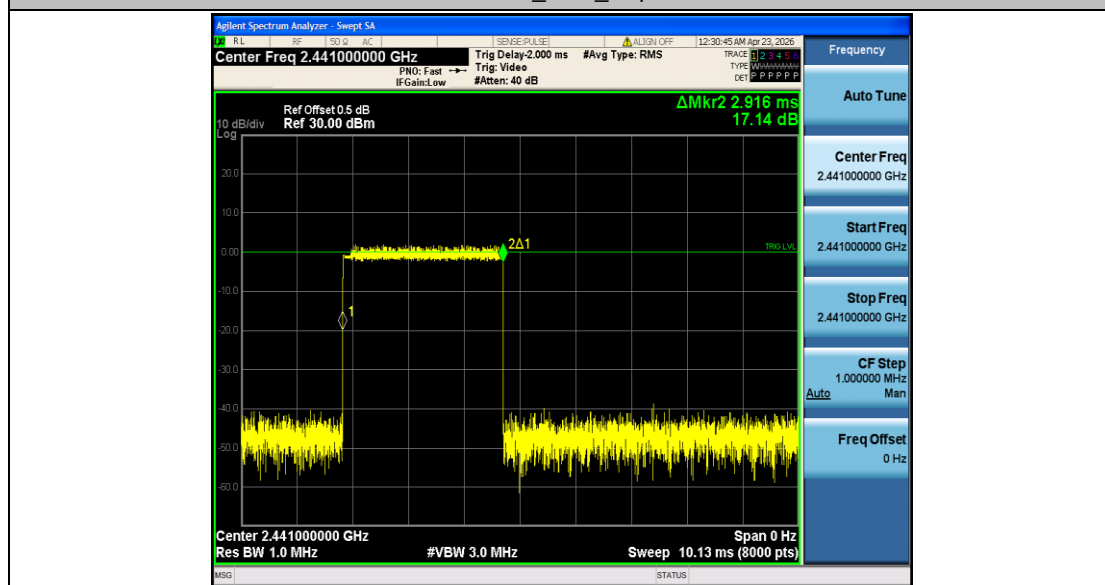
3DH1_Ant1_Hop

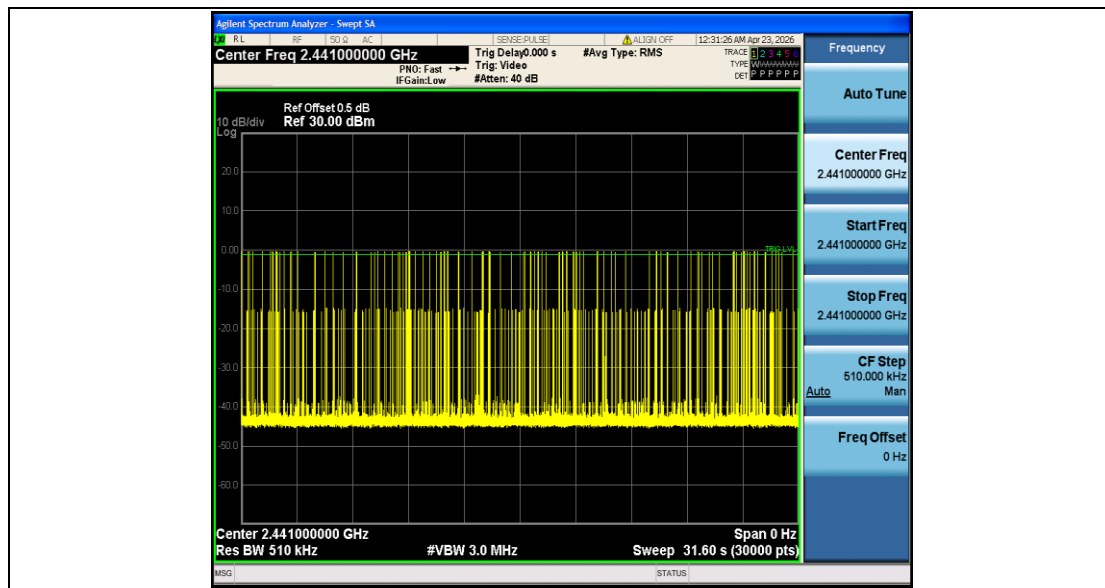


3DH3_Ant1_Hop



3DH5_Ant1_Hop





Appendix F: Number of hopping channels

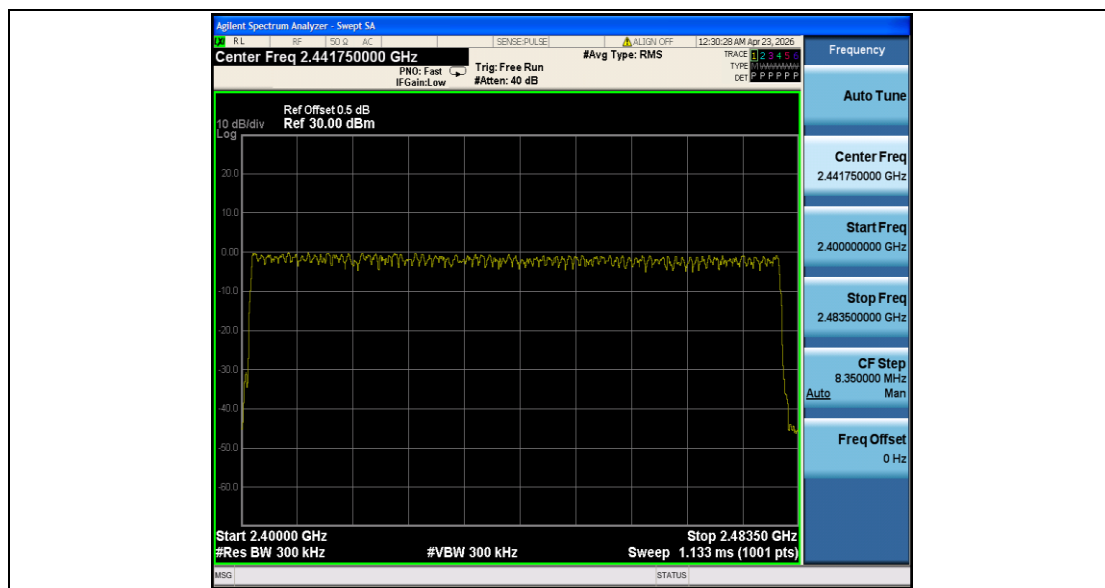
Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Figure 10 shows the spectrum analyzer results for the DH5_Ant1_Hop. The plot displays a signal centered at 2.441750000 GHz, with a frequency range from 2.400000000 GHz to 2.483500000 GHz. The signal is characterized by a dense cluster of peaks, indicating a complex or modulated signal. The plot includes parameters such as Center Freq, Start Freq, Stop Freq, CF Step, Freq Offset, and various measurement settings like Ref Offset, Ref, and Attenuation.

Figure 11 shows the spectrum analyzer results for the 2DH5_Ant1_Hop. The plot displays a signal centered at 2.441750000 GHz, with a frequency range from 2.400000000 GHz to 2.483500000 GHz. The signal is characterized by a dense cluster of peaks, indicating a complex or modulated signal. The plot includes parameters such as Center Freq, Start Freq, Stop Freq, CF Step, Freq Offset, and various measurement settings like Ref Offset, Ref, and Attenuation.

Figure 12 shows the spectrum analyzer results for the 3DH5_Ant1_Hop. The plot displays a signal centered at 2.441750000 GHz, with a frequency range from 2.400000000 GHz to 2.483500000 GHz. The signal is characterized by a dense cluster of peaks, indicating a complex or modulated signal. The plot includes parameters such as Center Freq, Start Freq, Stop Freq, CF Step, Freq Offset, and various measurement settings like Ref Offset, Ref, and Attenuation.

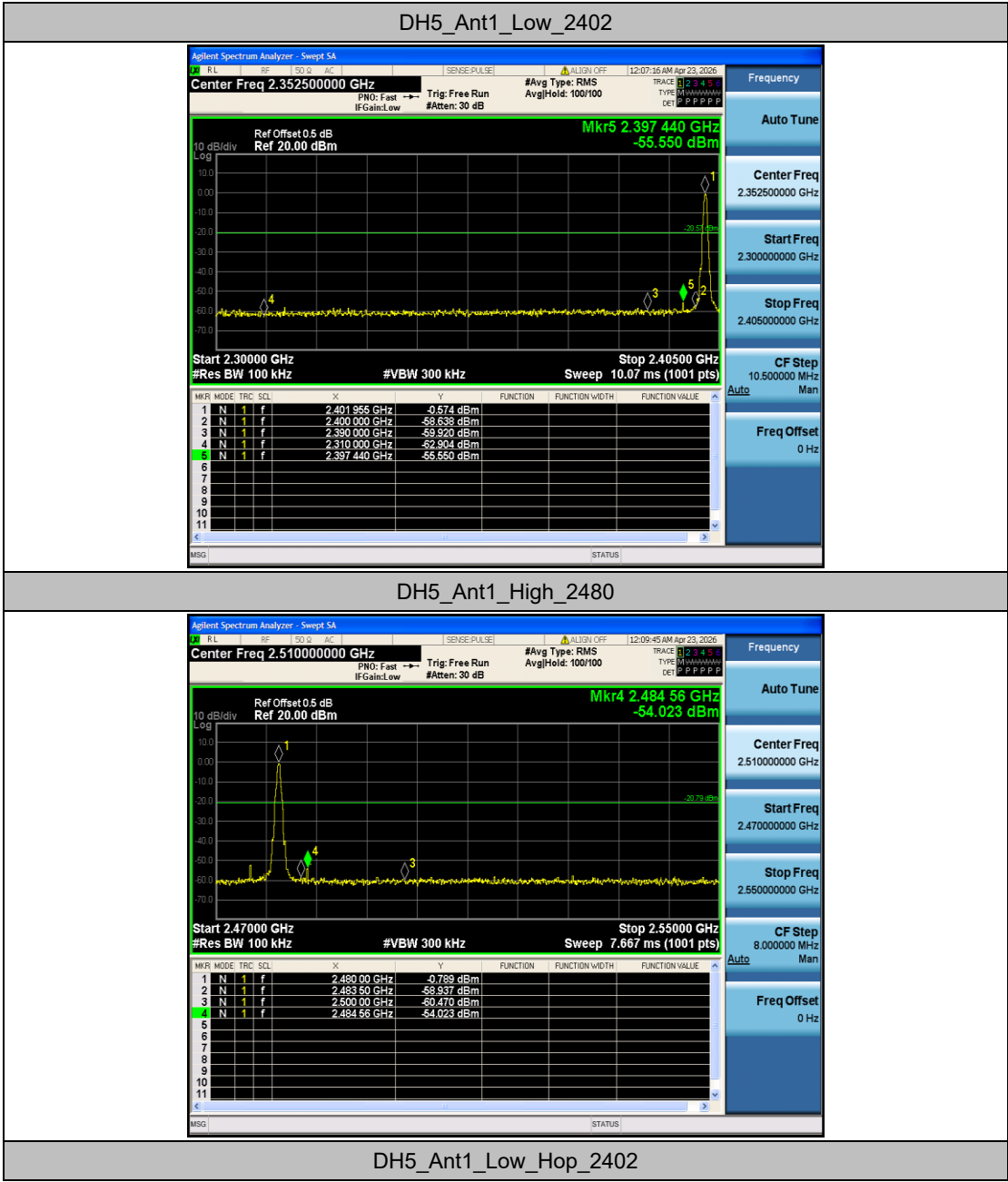


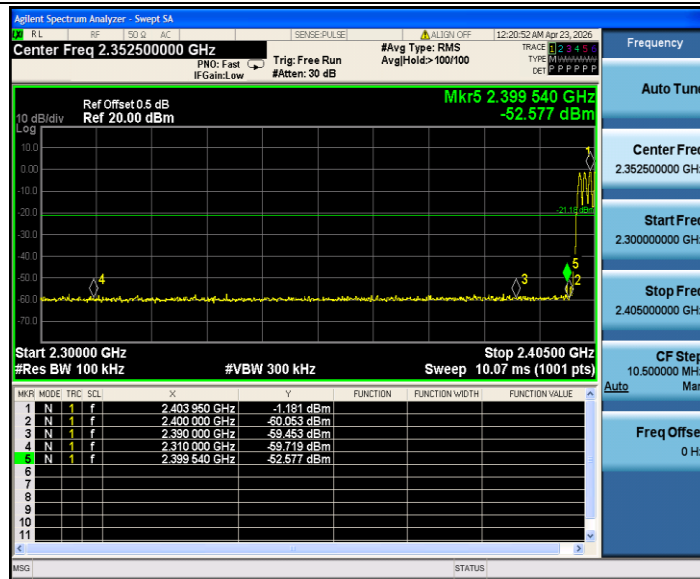
Appendix G: Band edge measurements

Test Result

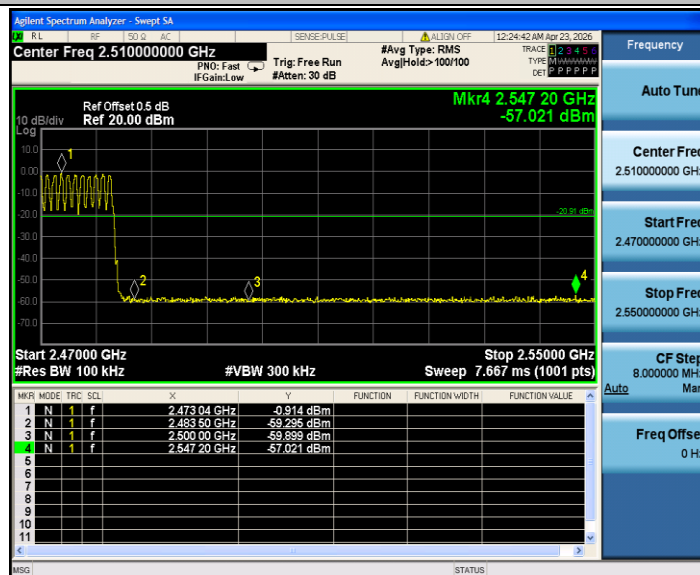
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.57	-55.55	≤-20.57	PASS
		High	2480	-0.79	-54.02	≤-20.79	PASS
		Low	Hop_2402	-1.18	-52.58	≤-21.18	PASS
		High	Hop_2480	-0.91	-57.02	≤-20.91	PASS
2DH5	Ant1	Low	2402	-2.30	-48.74	≤-22.3	PASS
		High	2480	-1.48	-53.89	≤-21.48	PASS
		Low	Hop_2402	-3.65	-51.86	≤-23.65	PASS
		High	Hop_2480	-1.50	-37.91	≤-21.5	PASS
3DH5	Ant1	Low	2402	-1.27	-49.89	≤-21.27	PASS
		High	2480	-1.31	-57.46	≤-21.31	PASS
		Low	Hop_2402	0.01	-51.3	≤-19.99	PASS
		High	Hop_2480	-2.87	-56.93	≤-22.87	PASS

Test Graphs

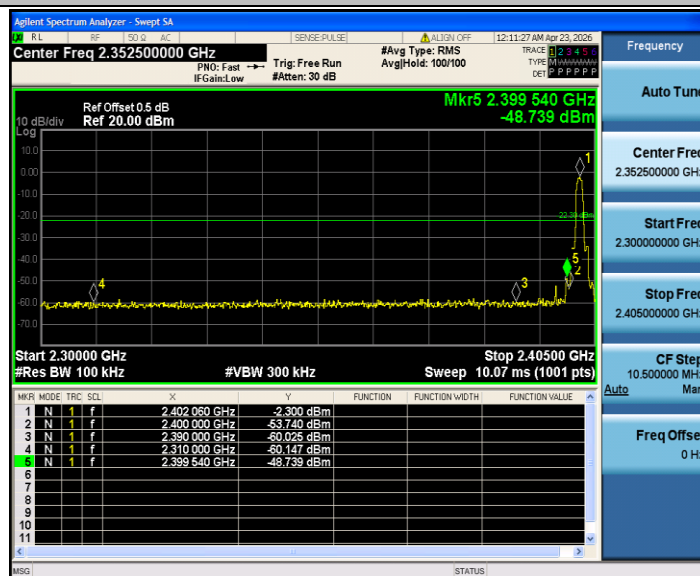




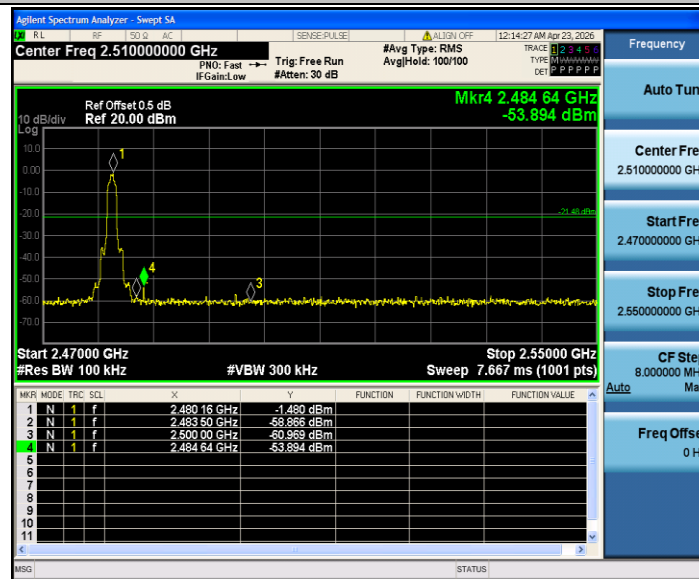
DH5_Ant1_High_Hop_2480



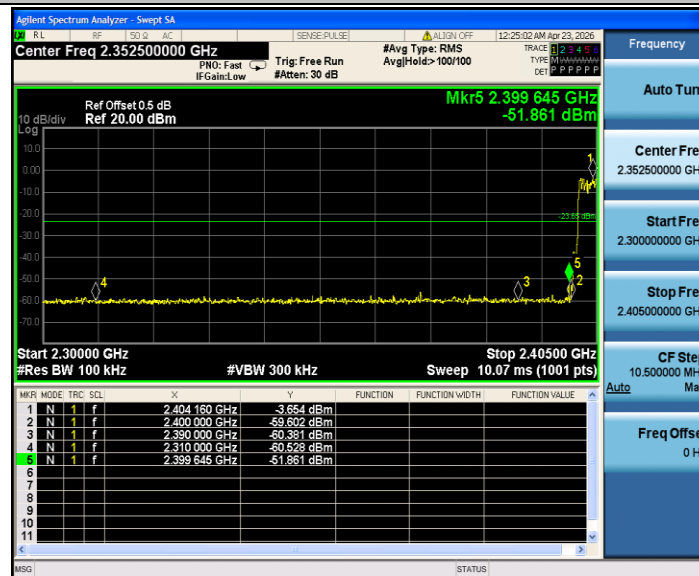
2DH5_Ant1_Low_2402



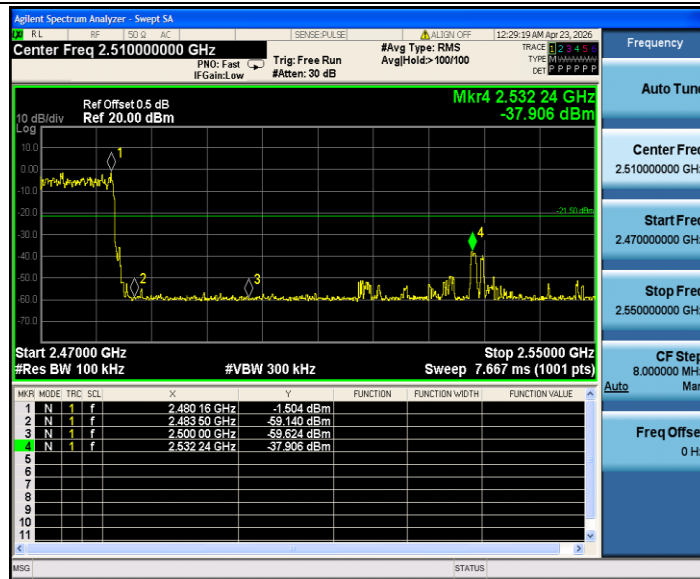
2DH5_Ant1_High_2480



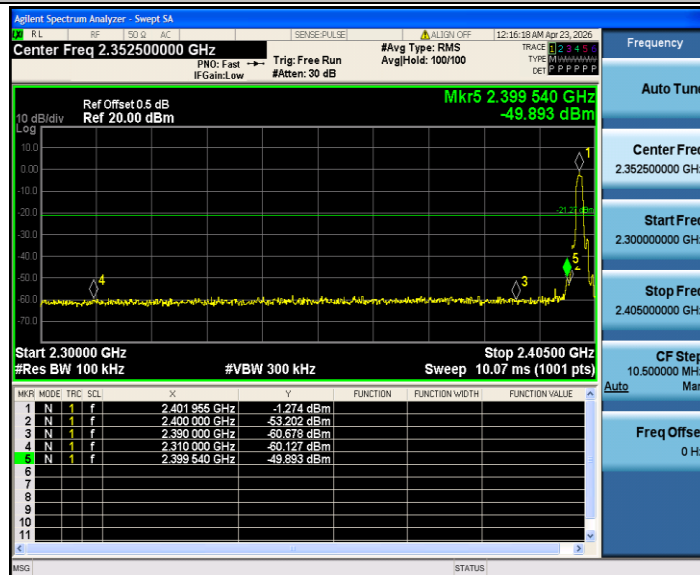
2DH5_Ant1_Low_Hop_2402



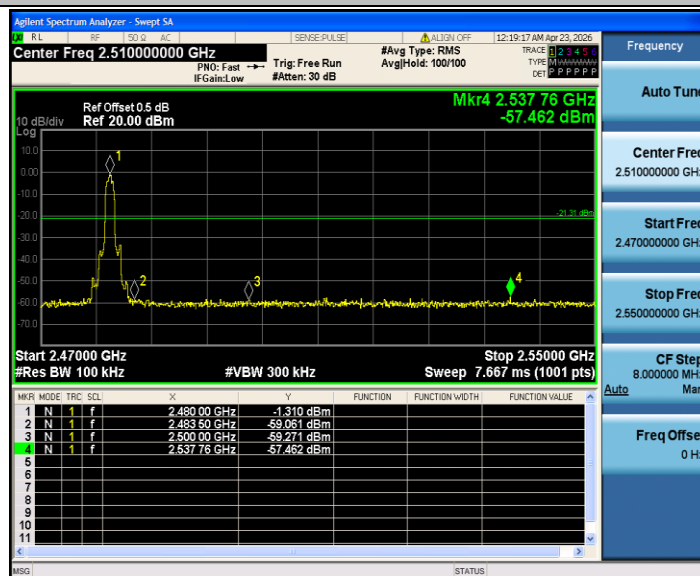
2DH5_Ant1_High_Hop_2480



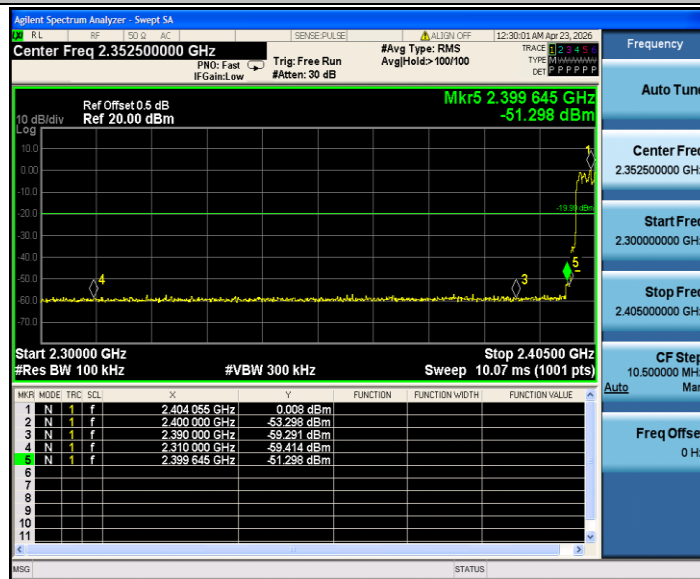
3DH5_Ant1_Low_2402



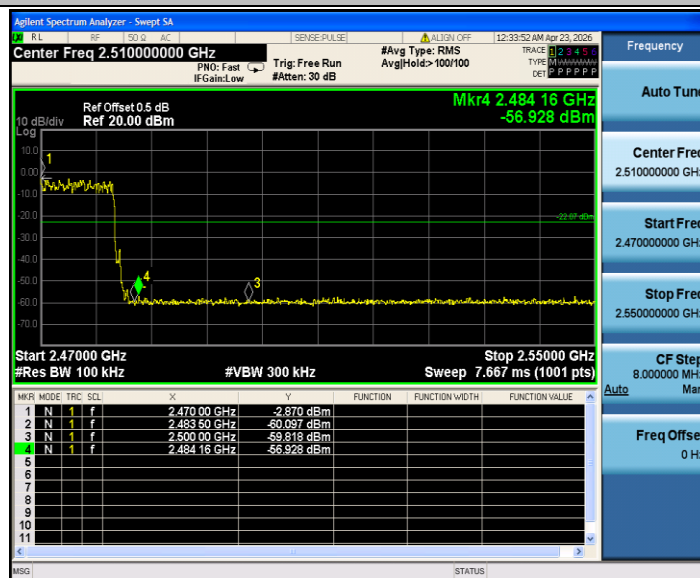
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

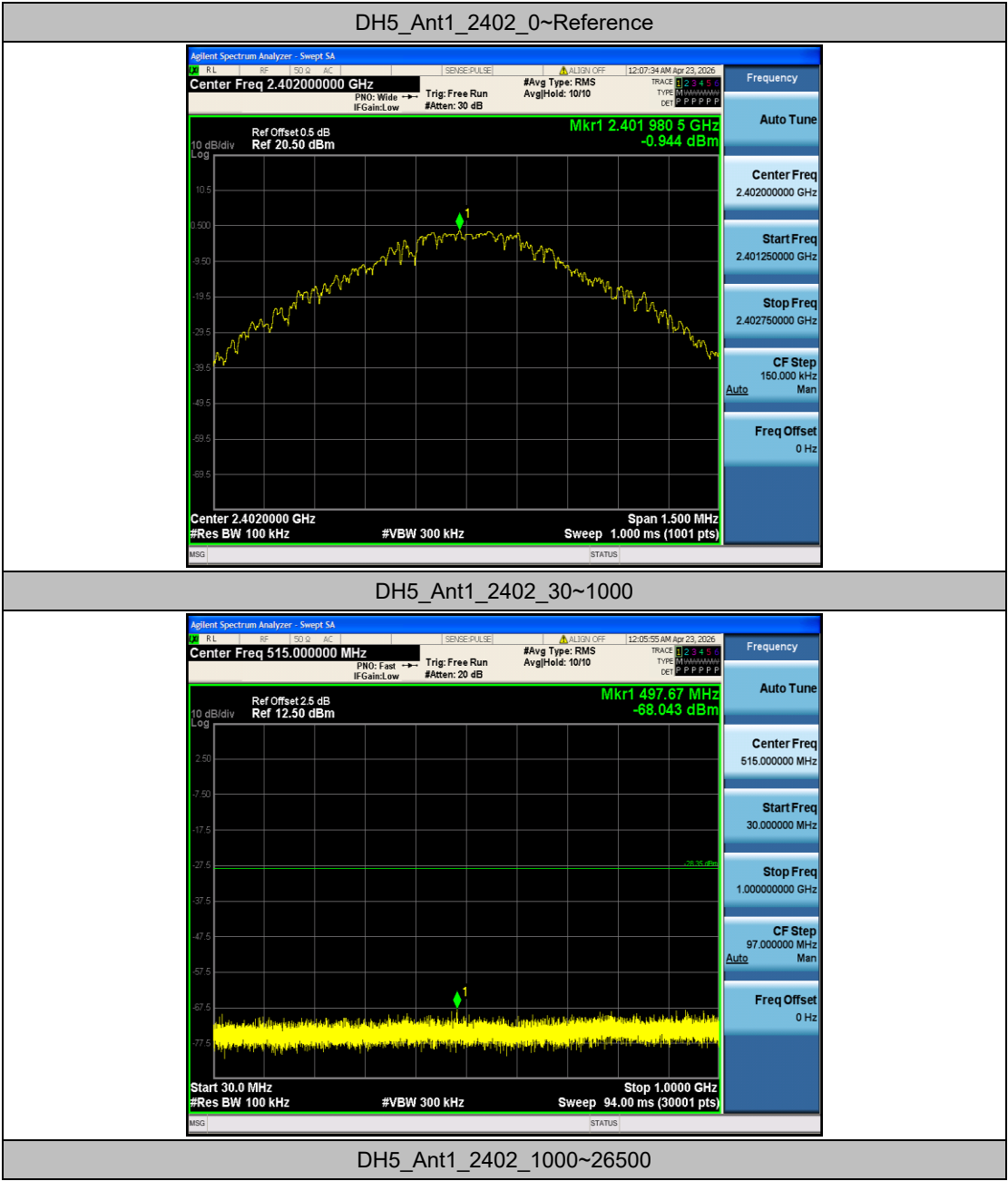


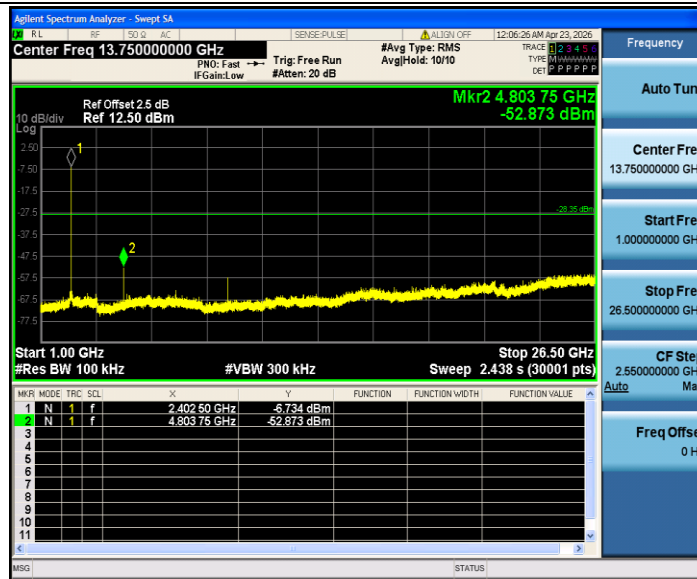
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.94	-0.94	---	PASS
			30~1000	-8.35	-68.04	≤-28.35	PASS
			1000~26500	-8.35	-52.87	≤-28.35	PASS
		2441	Reference	-1.90	-1.90	---	PASS
			30~1000	-1.90	-68.21	≤-21.9	PASS
			1000~26500	-1.90	-42.21	≤-21.9	PASS
		2480	Reference	-1.91	-1.91	---	PASS
			30~1000	-1.91	-67.23	≤-21.91	PASS
			1000~26500	-1.91	-43.33	≤-21.91	PASS
2DH5	Ant1	2402	Reference	-2.97	-2.97	---	PASS
			30~1000	-2.97	-67.31	≤-22.97	PASS
			1000~26500	-2.97	-44.25	≤-22.97	PASS
		2441	Reference	-4.10	-4.10	---	PASS
			30~1000	-4.10	-67.65	≤-24.1	PASS
			1000~26500	-4.10	-44.2	≤-24.1	PASS
		2480	Reference	-1.12	-1.12	---	PASS
			30~1000	-1.12	-67.7	≤-21.12	PASS
			1000~26500	-1.12	-44.68	≤-21.12	PASS
3DH5	Ant1	2402	Reference	-3.13	-3.13	---	PASS
			30~1000	-3.13	-68.44	≤-23.13	PASS
			1000~26500	-3.13	-43.81	≤-23.13	PASS
		2441	Reference	-1.34	-1.34	---	PASS
			30~1000	-1.34	-67.83	≤-21.34	PASS
			1000~26500	-1.34	-44.3	≤-21.34	PASS
		2480	Reference	-3.40	-3.40	---	PASS
			30~1000	-3.40	-68.42	≤-23.4	PASS
			1000~26500	-3.40	-42.35	≤-23.4	PASS

Test Graphs

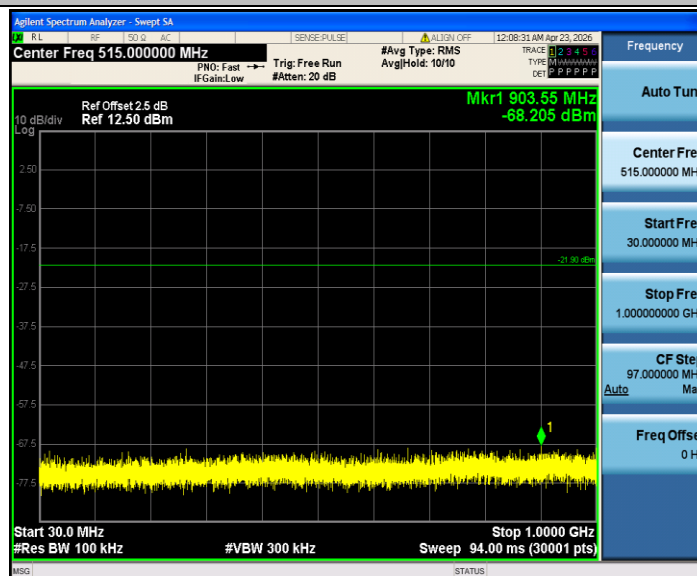




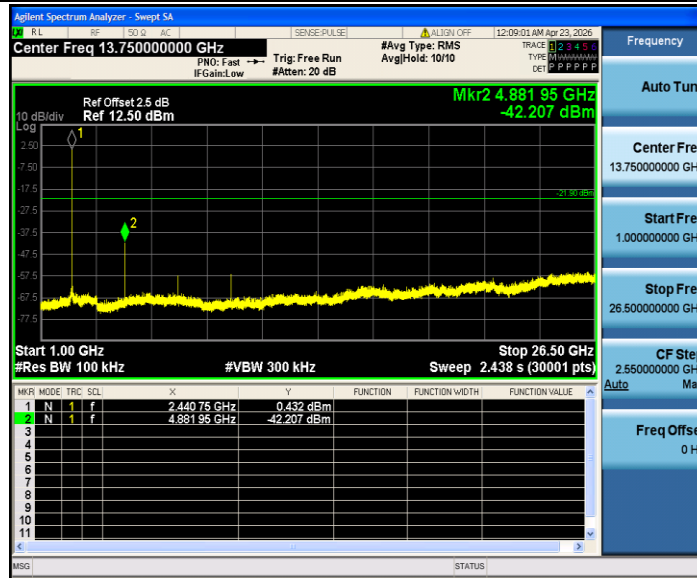
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



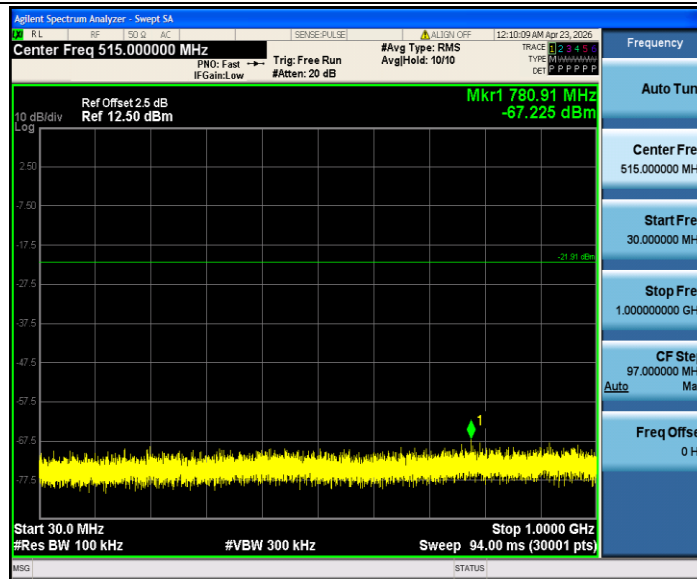
DH5_Ant1_2441_1000~26500



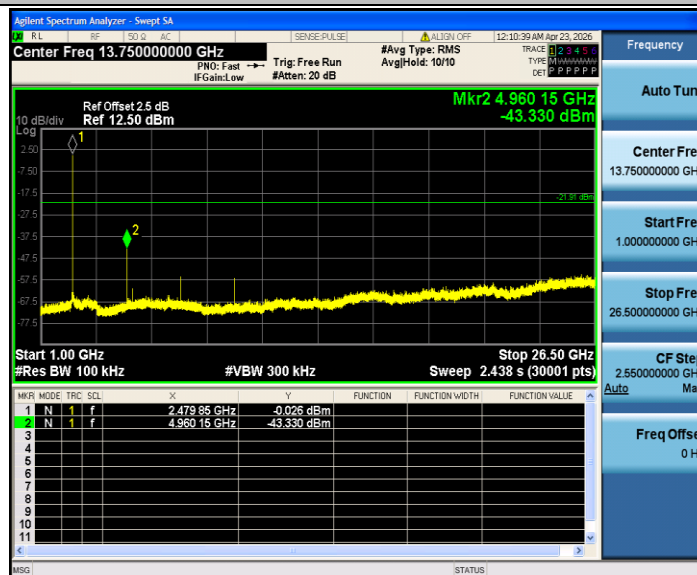
DH5_Ant1_2480_0~Reference



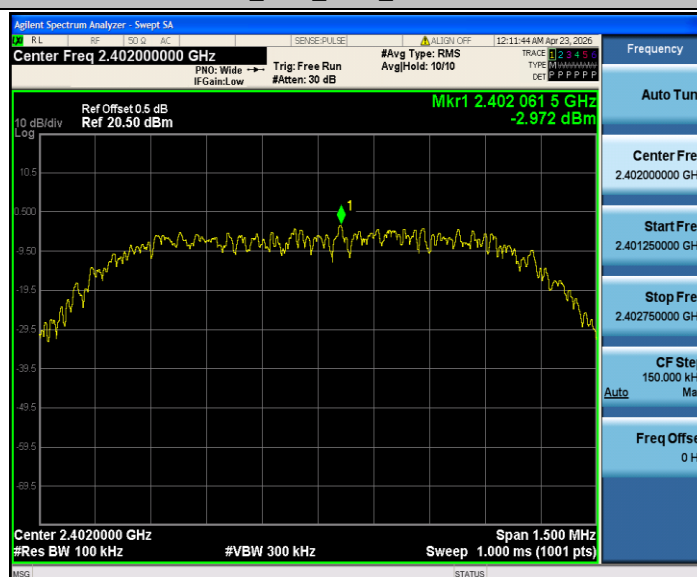
DH5_Ant1_2480_30~1000



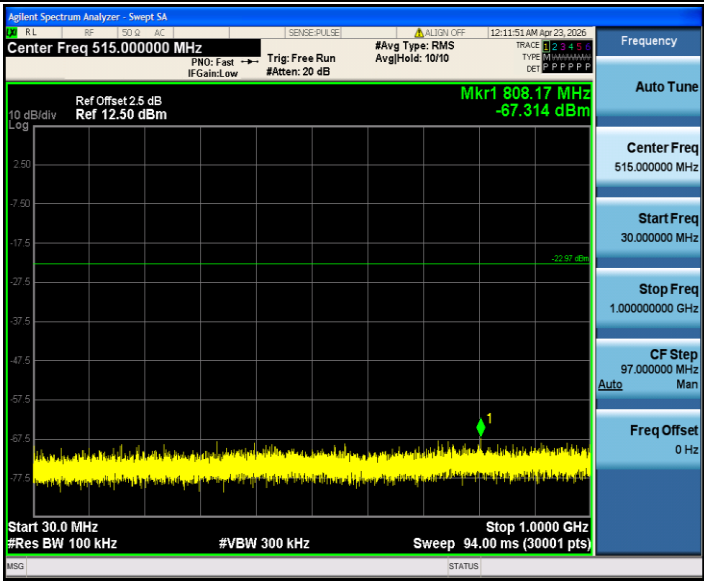
DH5_Ant1_2480_1000~26500



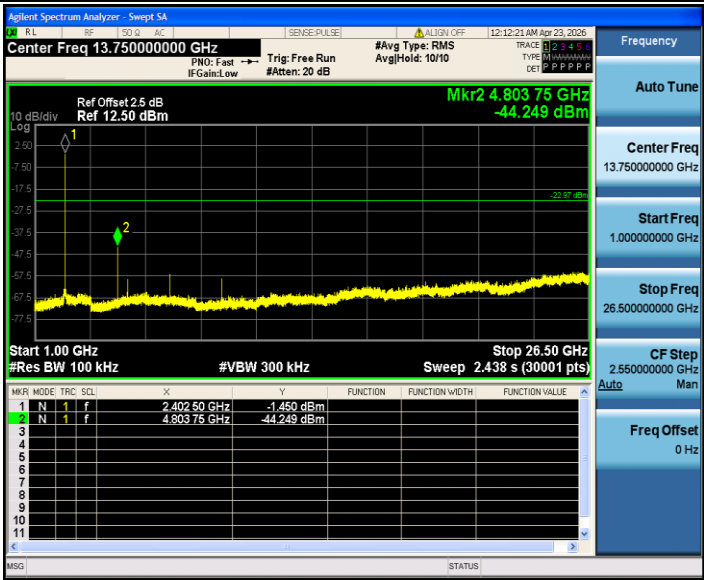
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference