

FCC Appendix RF Test Data for BT

FCC ID : 2BQHT-TK831-3

Company : DAMASCO TRADING LLC

EUT : 8 inch tablet

Model Number : TK831-3

Report No. : CTA26092901002

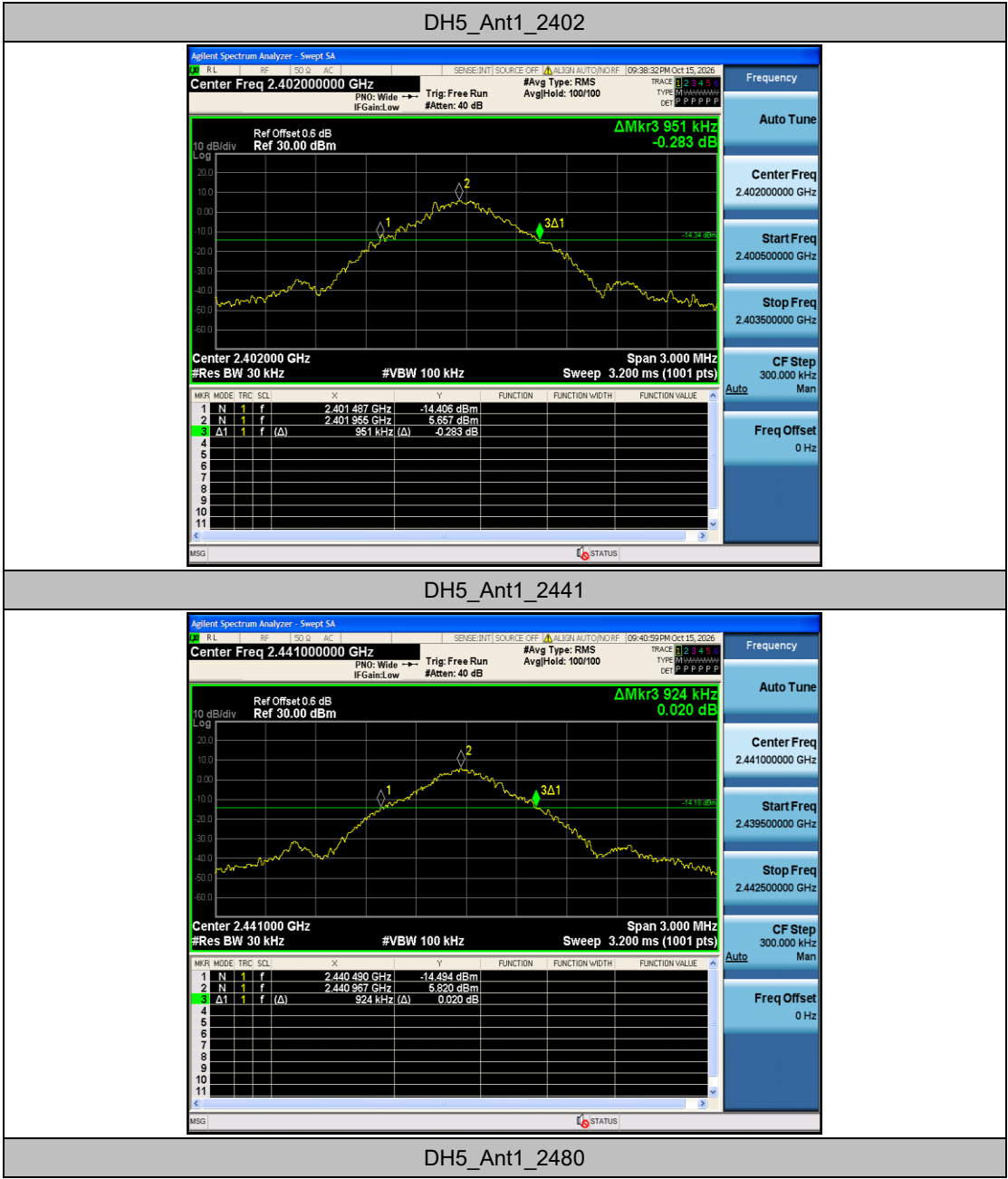
Reviewed By : Eric Wang

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	2401.487	2402.438	---	---
		2441	0.924	2440.490	2441.414	---	---
		2480	0.939	2479.520	2480.459	---	---
2DH5	Ant1	2402	1.326	2401.304	2402.630	---	---
		2441	1.311	2440.307	2441.618	---	---
		2480	1.341	2479.301	2480.642	---	---
3DH5	Ant1	2402	1.329	2401.301	2402.630	---	---
		2441	1.308	2440.325	2441.633	---	---
		2480	1.338	2479.304	2480.642	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



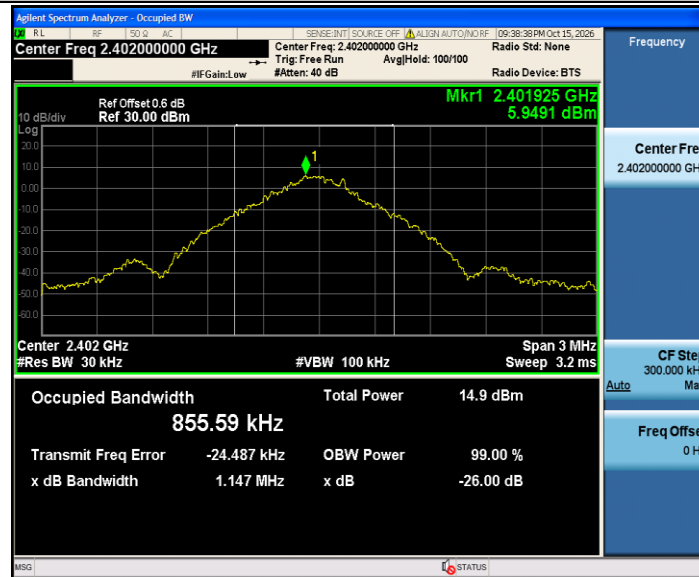
Appendix B: Occupied Channel Bandwidth

Test Result

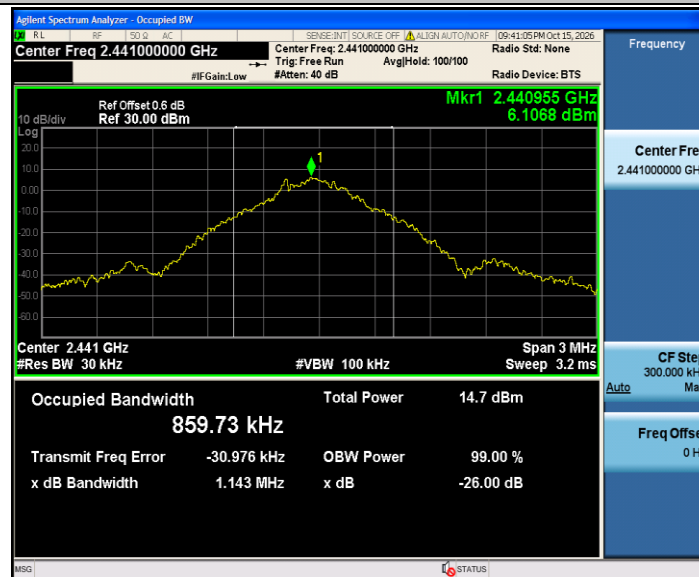
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85559	2401.5477	2402.4033	---	---
		2441	0.85973	2440.5392	2441.3989	---	---
		2480	0.87051	2479.5301	2480.4006	---	---
2DH5	Ant1	2402	1.2085	2401.3638	2402.5723	---	---
		2441	1.1964	2440.3717	2441.5681	---	---
		2480	1.1946	2479.3811	2480.5757	---	---
3DH5	Ant1	2402	1.1945	2401.3748	2402.5693	---	---
		2441	1.1969	2440.3710	2441.5679	---	---
		2480	1.1953	2479.3770	2480.5723	---	---

Test Graphs

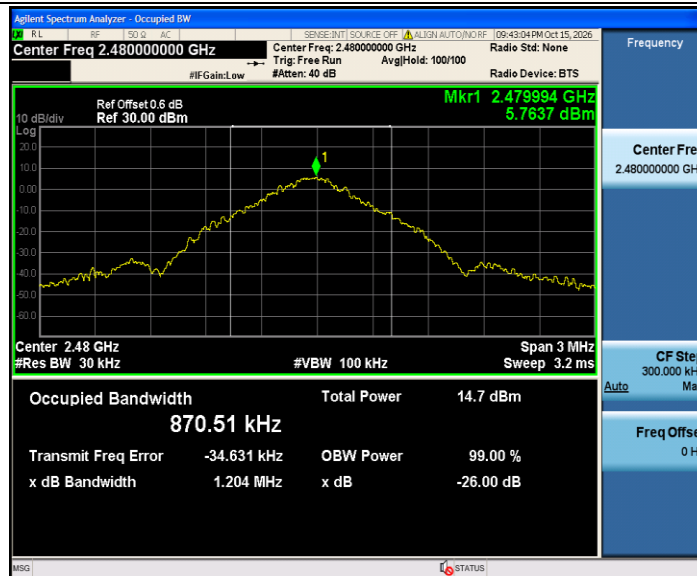
DH5_Ant1_2402



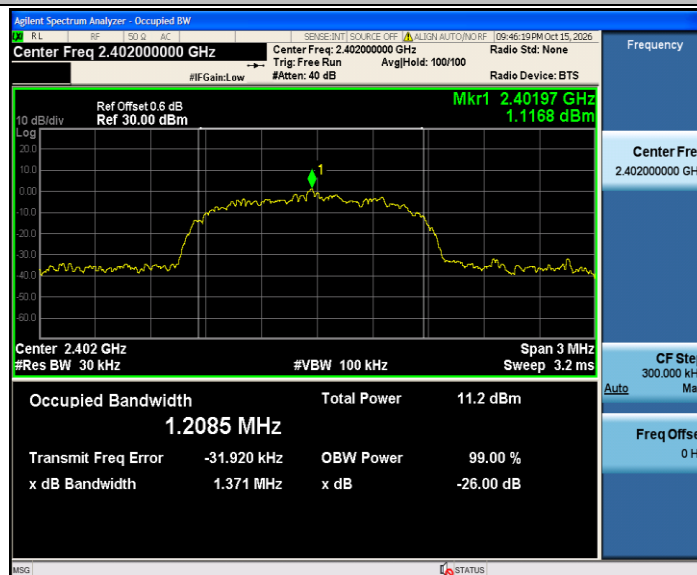
DH5_Ant1_2441



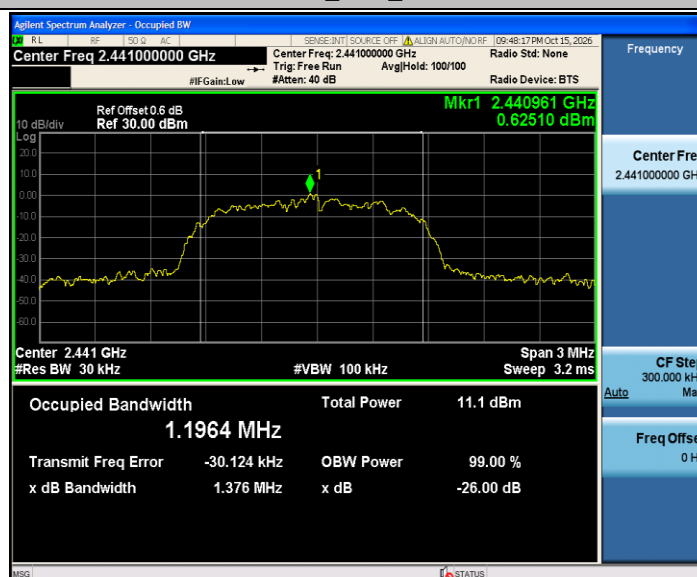
DH5_Ant1_2480



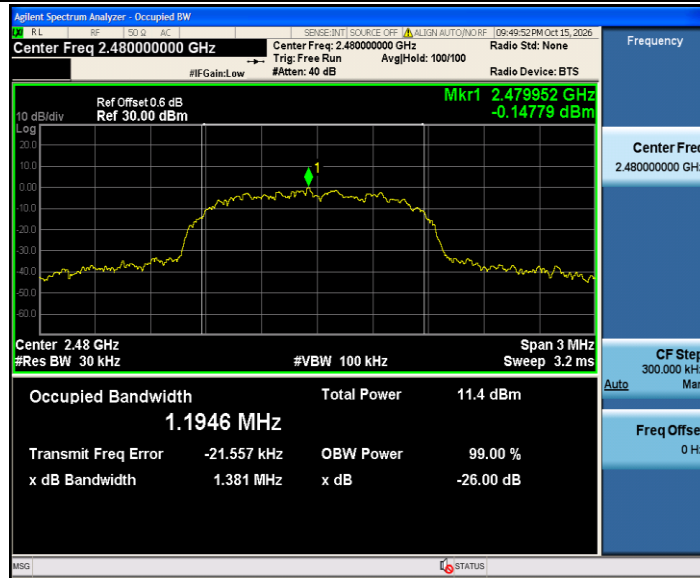
2DH5_Ant1_2402



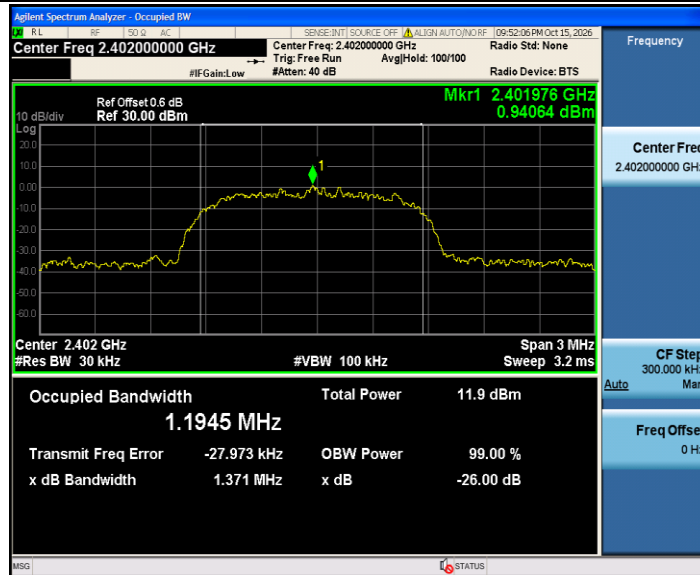
2DH5_Ant1_2441



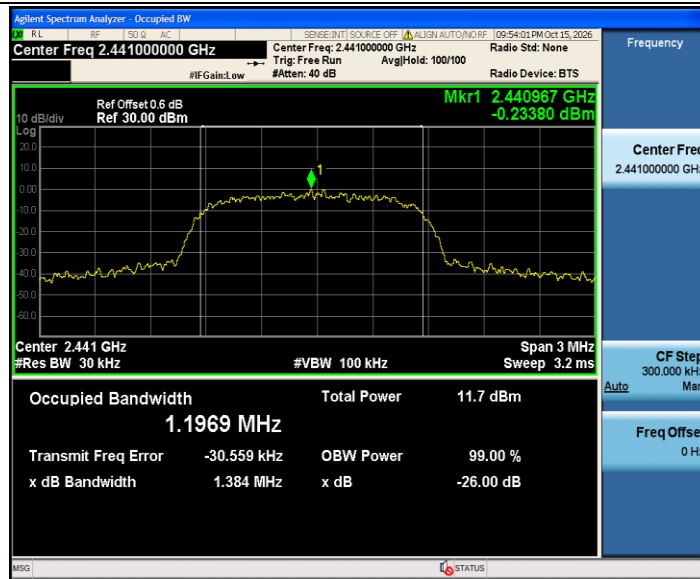
2DH5_Ant1_2480



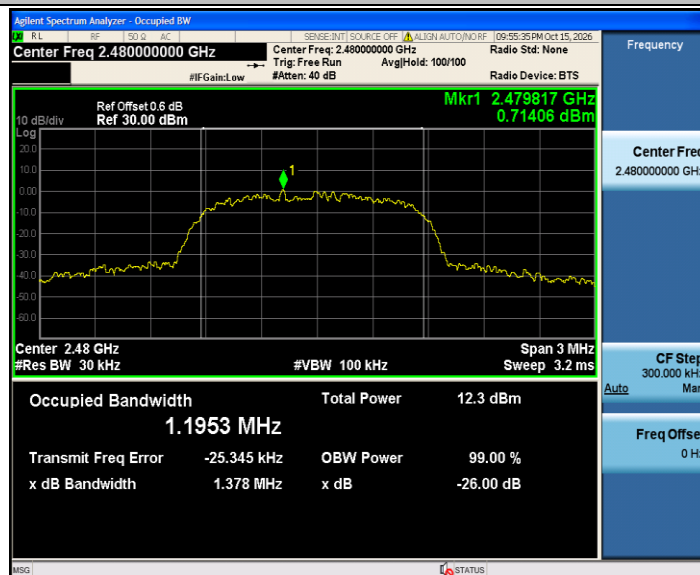
3DH5_Ant1_2402



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	7.67	≤20.97	PASS
		2441	7.66	≤20.97	PASS
		2480	7.76	≤20.97	PASS
2DH5	Ant1	2402	7.64	≤20.97	PASS
		2441	7.59	≤20.97	PASS
		2480	7.68	≤20.97	PASS
3DH5	Ant1	2402	7.57	≤20.97	PASS
		2441	7.49	≤20.97	PASS
		2480	7.85	≤20.97	PASS

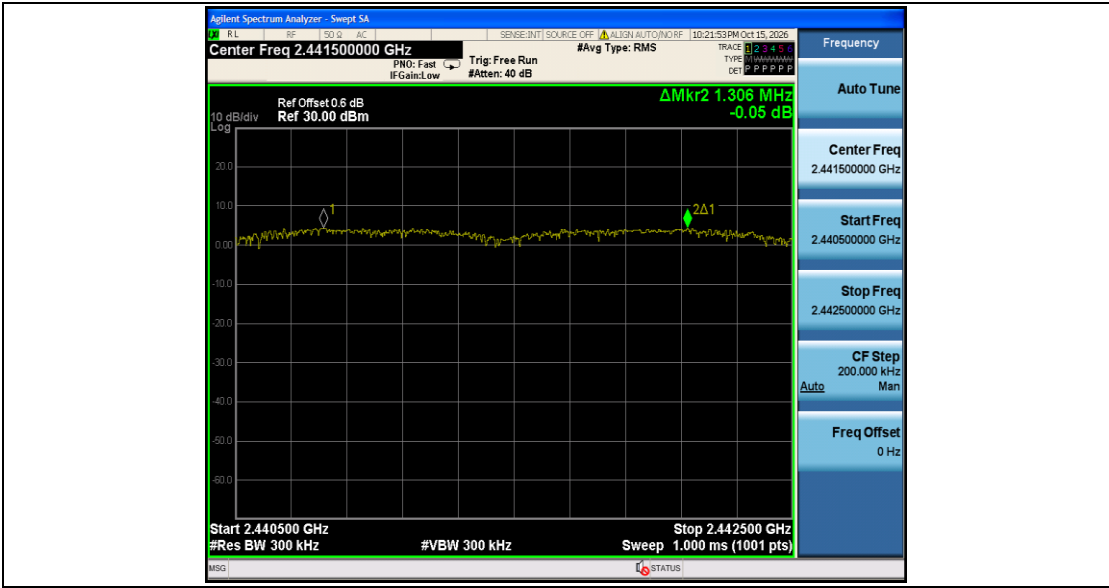
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.951	PASS
2DH5	Ant1	Hop	1.014	≥ 0.894	PASS
3DH5	Ant1	Hop	1.306	≥ 0.892	PASS

Test Graphs



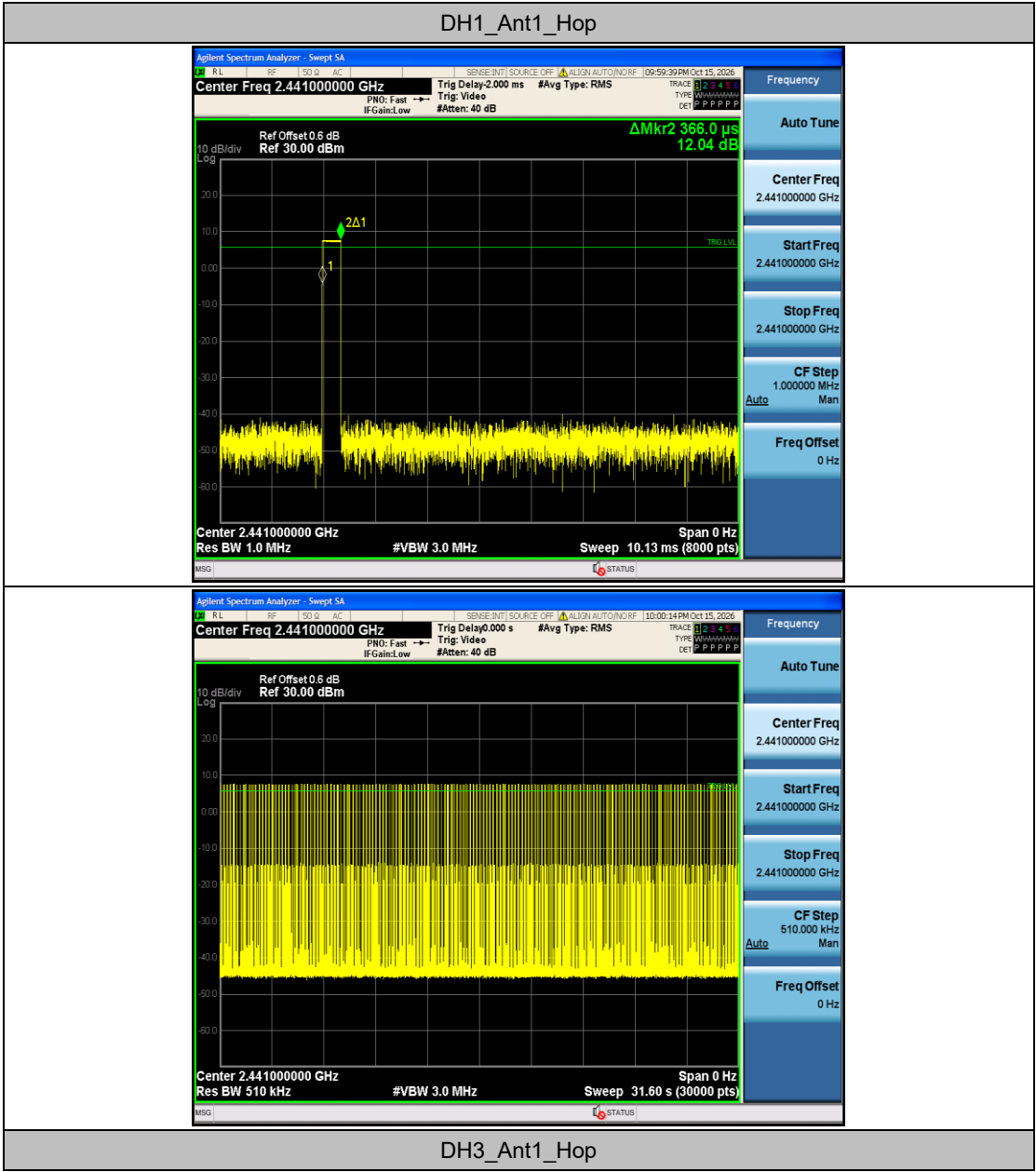


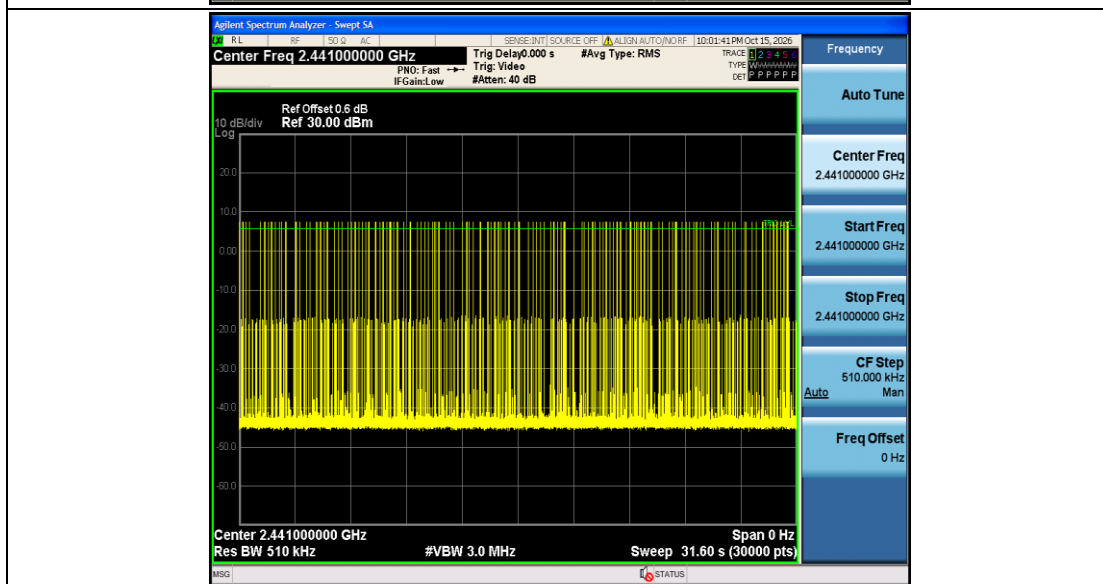
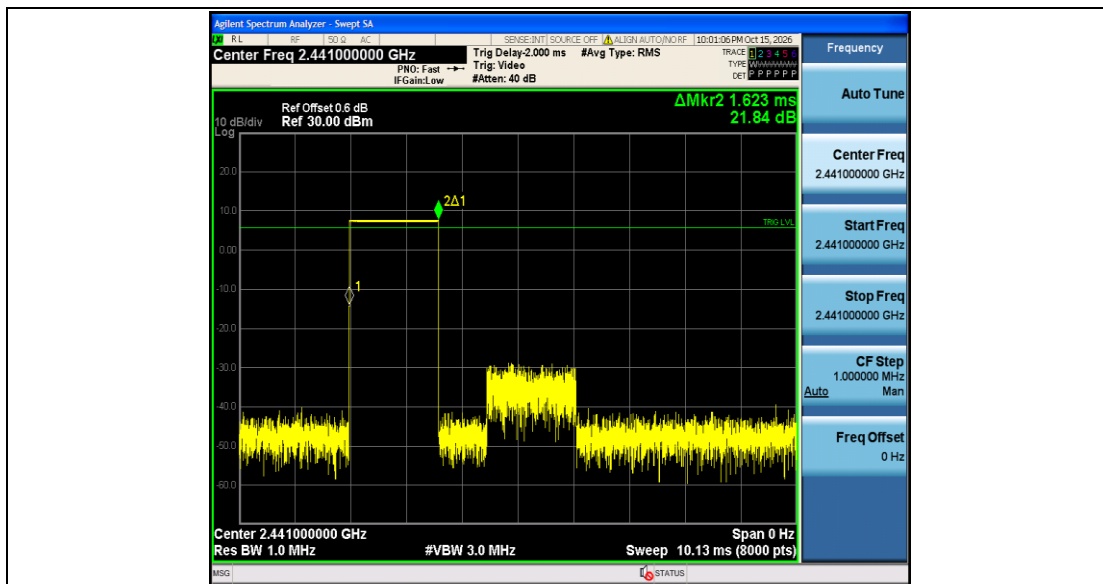
Appendix E: Time of occupancy

Test Result

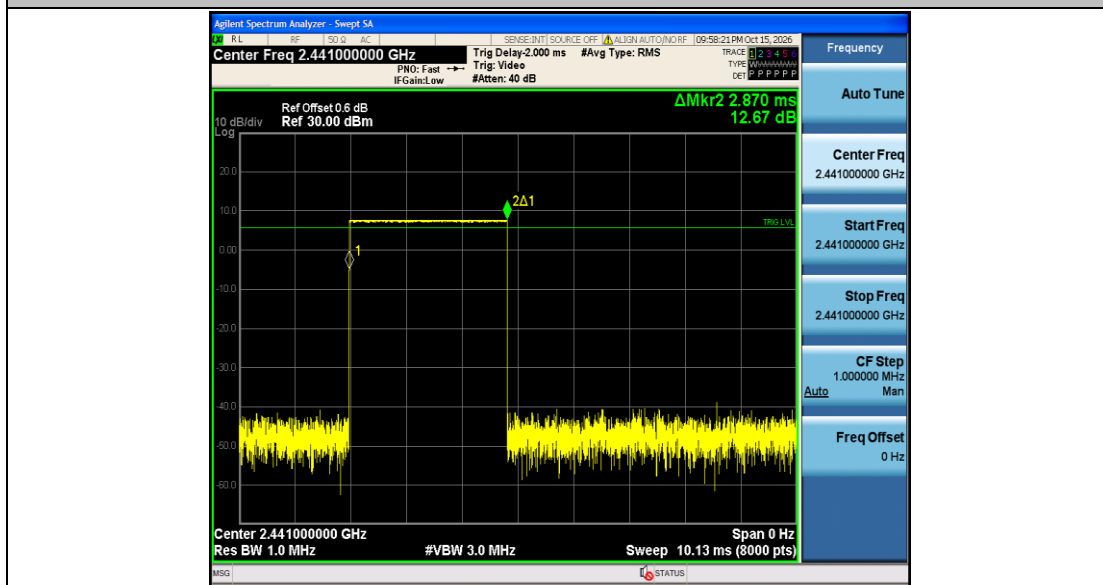
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.366	320	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.623	171	0.278	≤0.4	PASS
DH5	Ant1	Hop	2.870	123	0.353	≤0.4	PASS
2DH1	Ant1	Hop	0.376	319	0.12	≤0.4	PASS
2DH3	Ant1	Hop	1.629	182	0.296	≤0.4	PASS
2DH5	Ant1	Hop	2.877	115	0.331	≤0.4	PASS
3DH1	Ant1	Hop	0.376	320	0.12	≤0.4	PASS
3DH3	Ant1	Hop	1.626	147	0.239	≤0.4	PASS
3DH5	Ant1	Hop	2.879	92	0.265	≤0.4	PASS

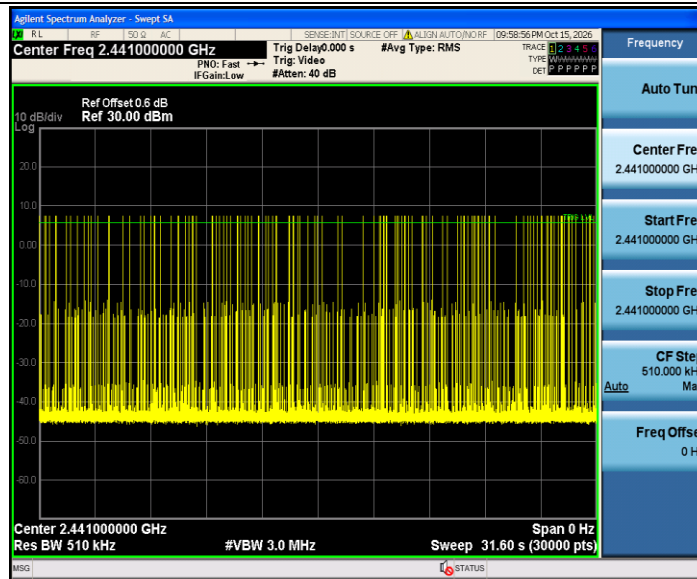
Test Graphs



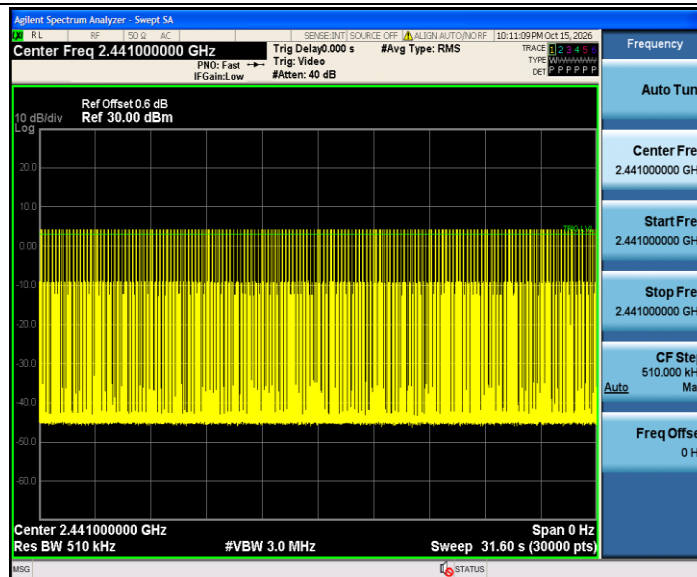
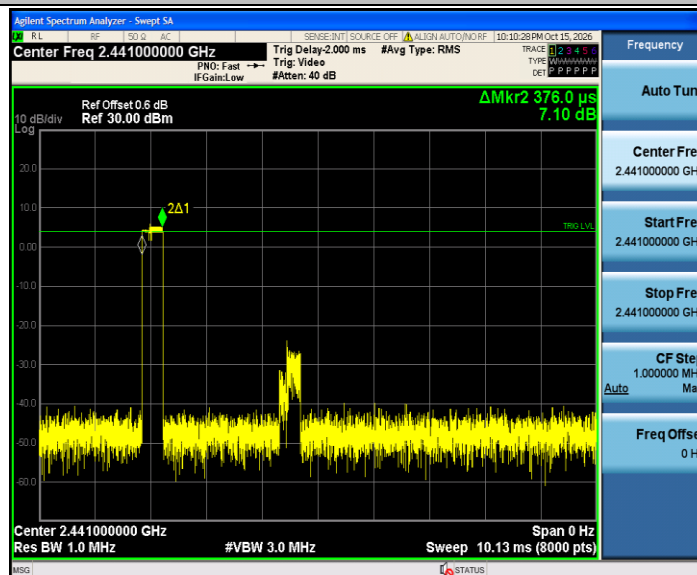


DH5_Ant1_Hop

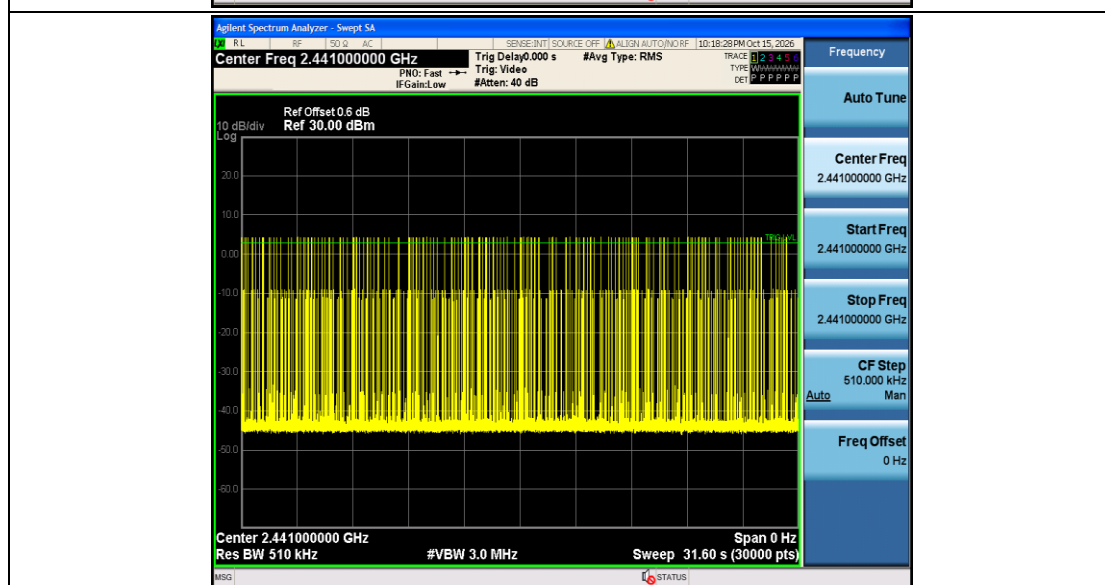
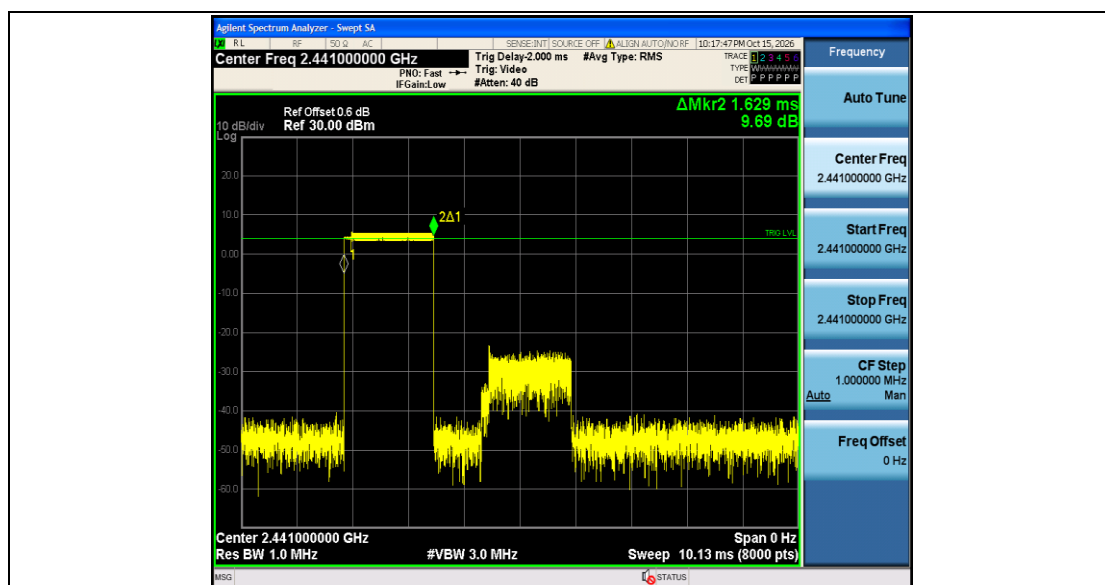




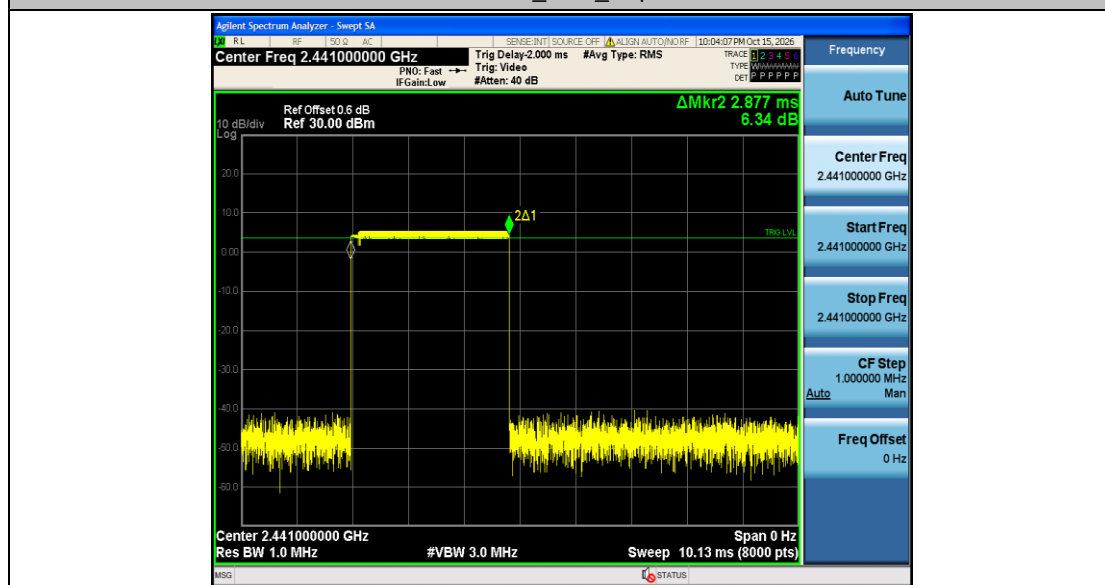
2DH1_Ant1_Hop

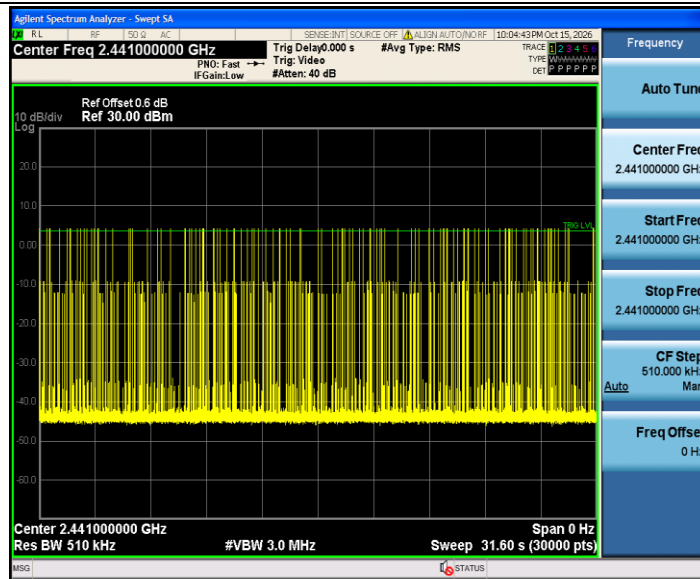


2DH3_Ant1_Hop

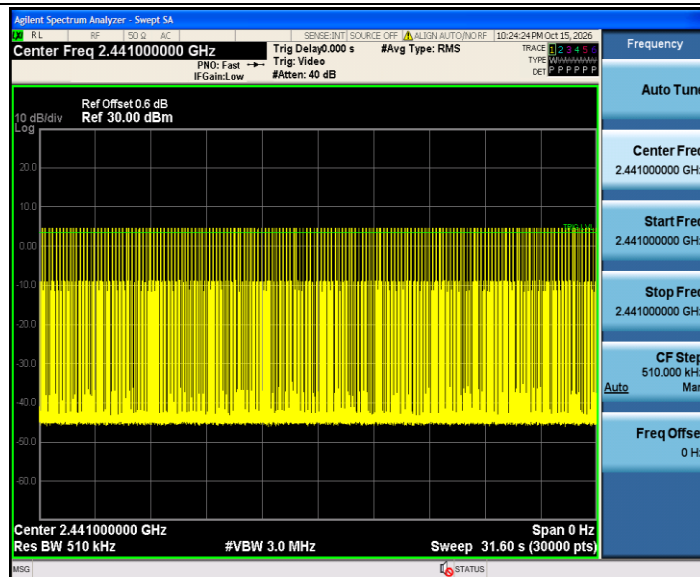
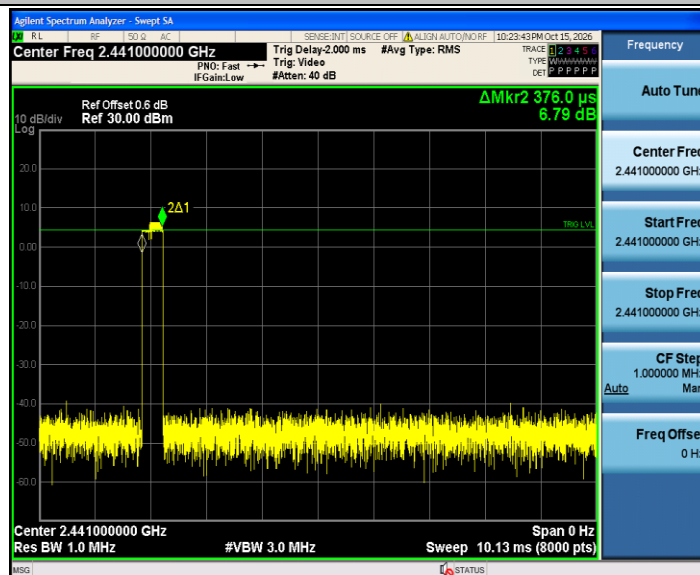


2DH5_Ant1_Hop

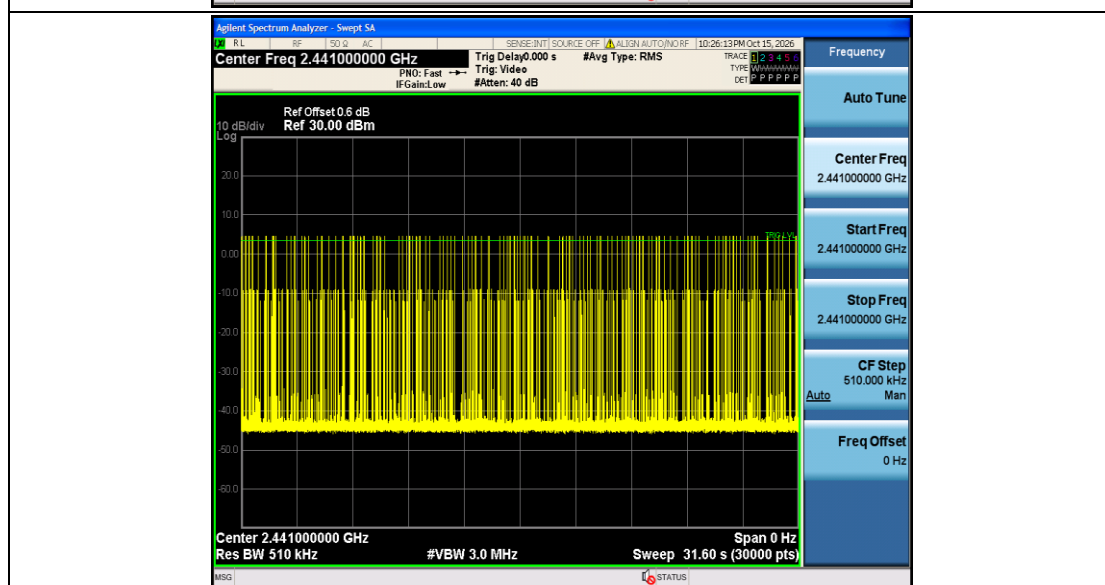
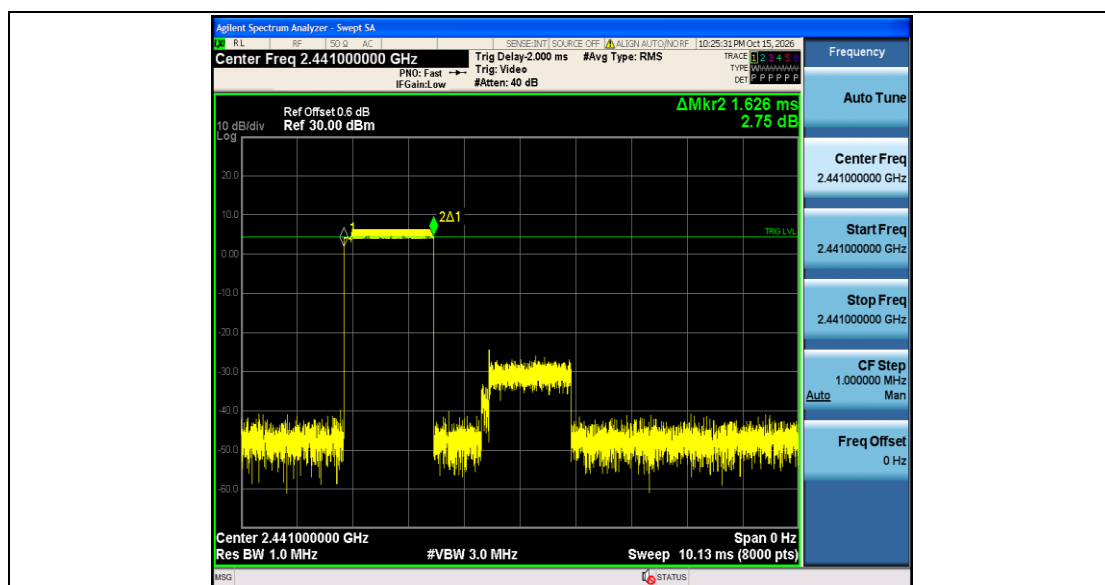




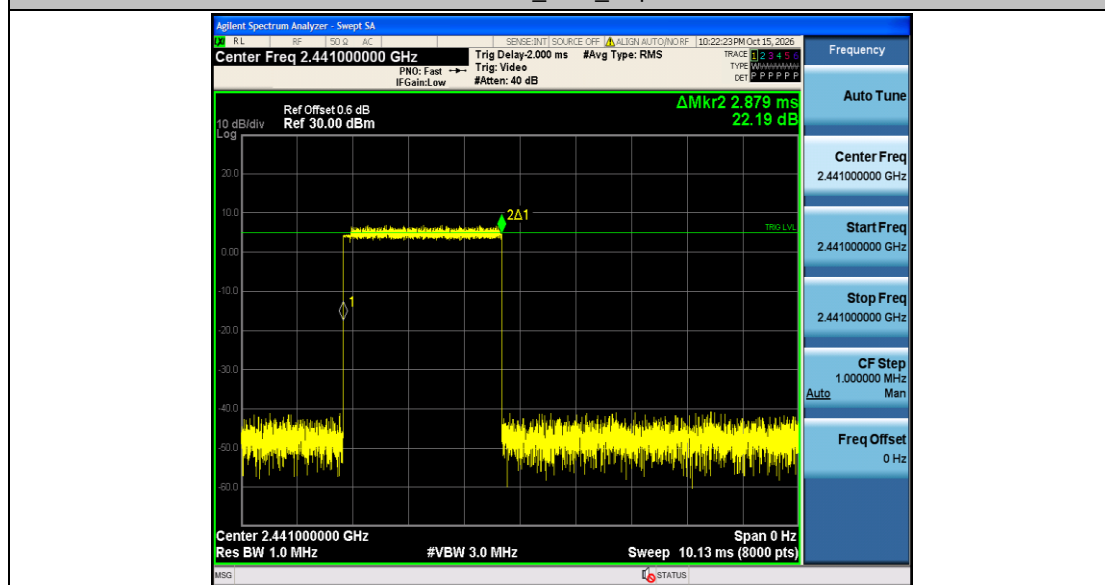
3DH1_Ant1_Hop

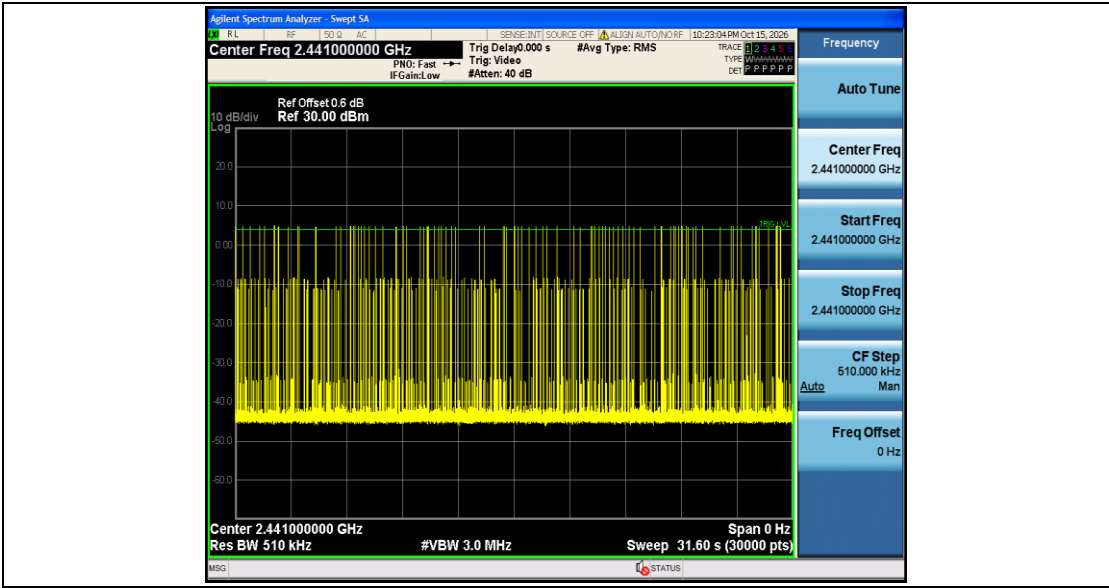


3DH3_Ant1_Hop



3DH5_Ant1_Hop



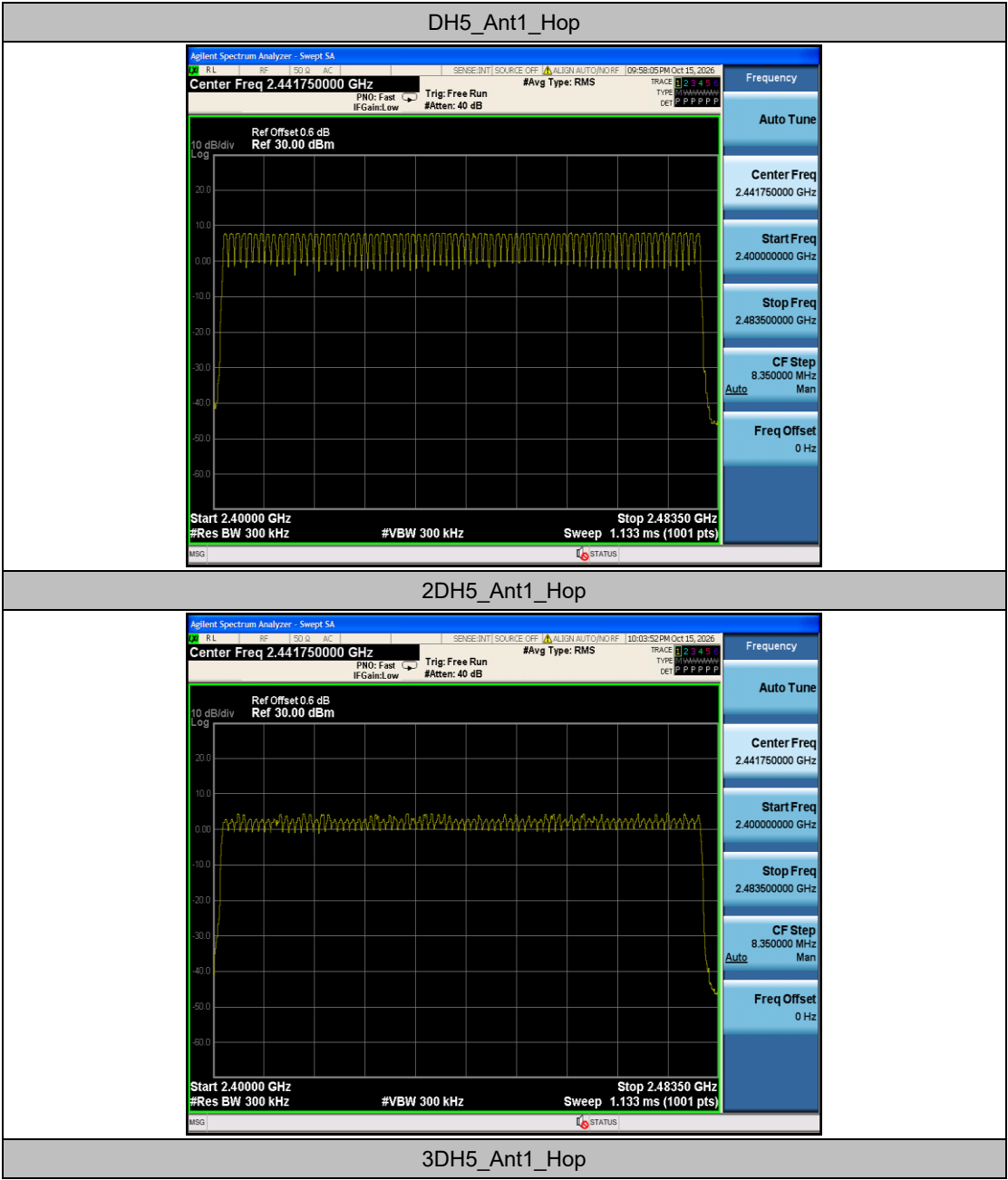


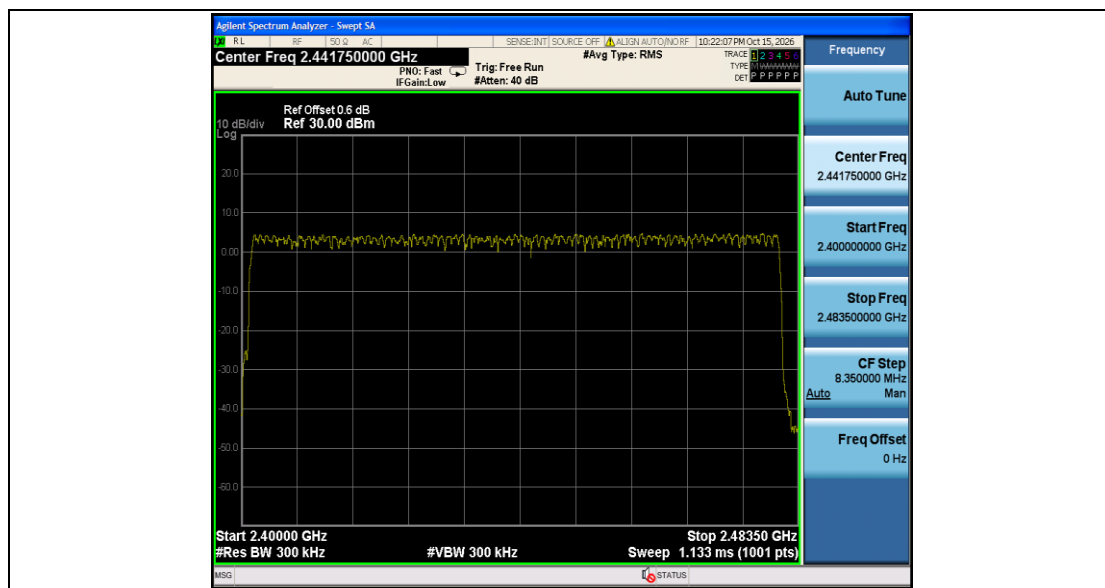
Appendix F: Number of hopping channels

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

Test Graphs



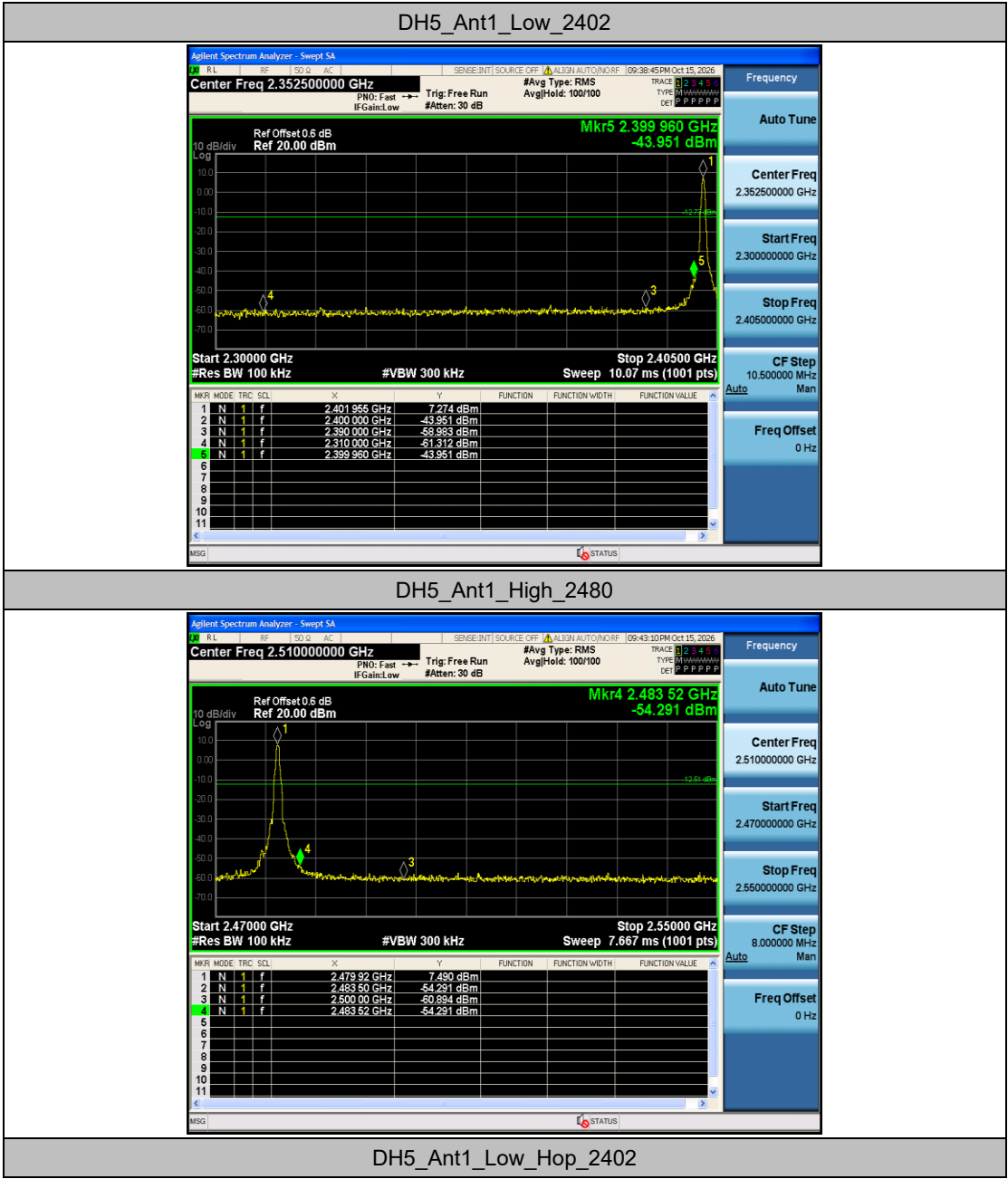


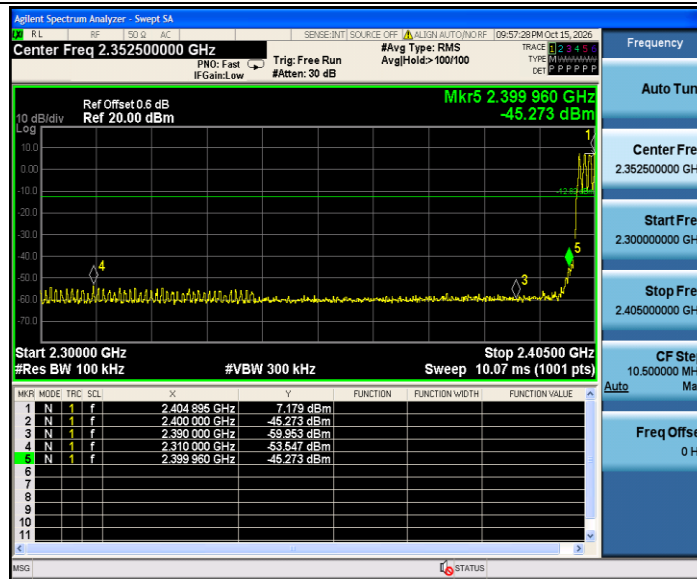
Appendix G: Band edge measurements

Test Result

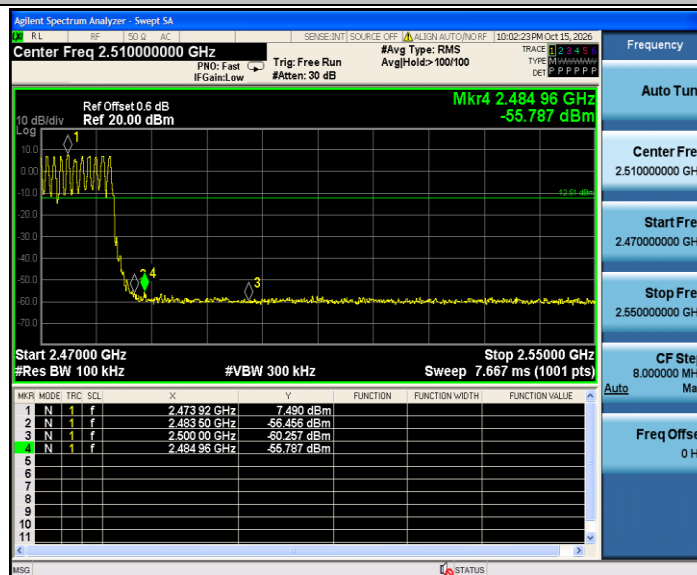
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	7.27	-43.95	≤-12.73	PASS
		High	2480	7.49	-54.29	≤-12.51	PASS
		Low	Hop_2402	7.18	-45.64	≤-12.82	PASS
		High	Hop_2480	7.49	-55.79	≤-12.51	PASS
2DH5	Ant1	Low	2402	2.77	-44.96	≤-17.23	PASS
		High	2480	3.82	-56.36	≤-16.18	PASS
		Low	Hop_2402	2.81	-46.11	≤-17.19	PASS
		High	Hop_2480	4.34	-57.27	≤-15.66	PASS
3DH5	Ant1	Low	2402	3.61	-44.98	≤-16.39	PASS
		High	2480	3.76	-55.24	≤-16.24	PASS
		Low	Hop_2402	3.35	-48.43	≤-16.65	PASS
		High	Hop_2480	2.57	-55.58	≤-17.43	PASS

Test Graphs

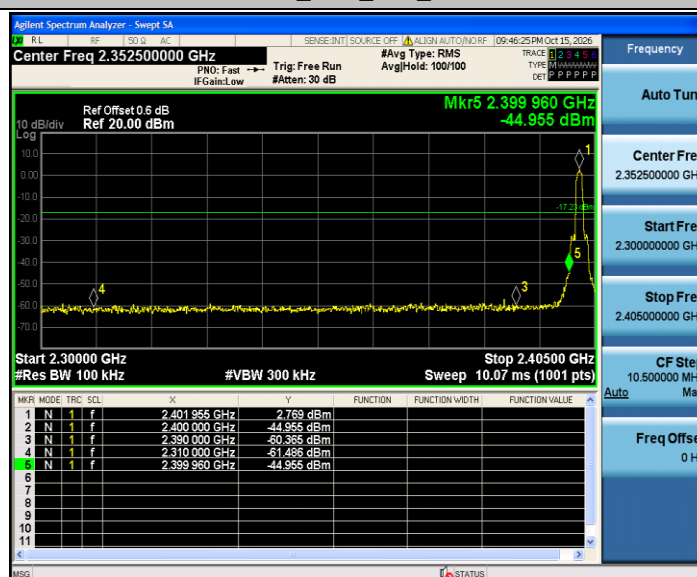




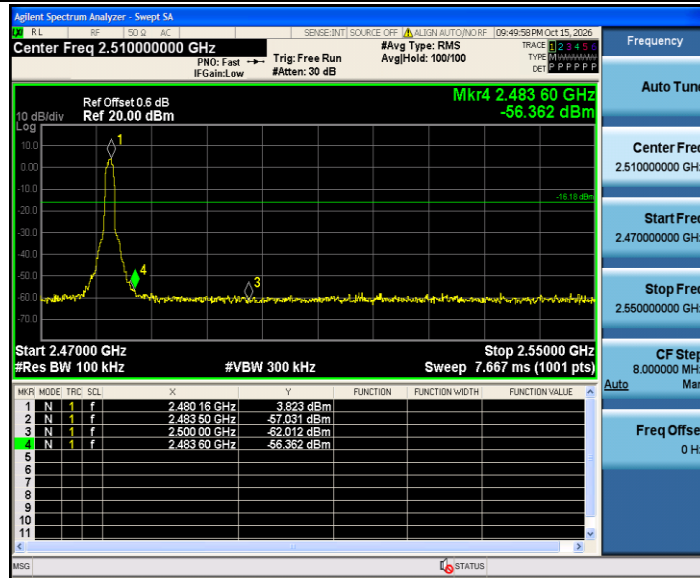
DH5_Ant1_High_Hop_2480



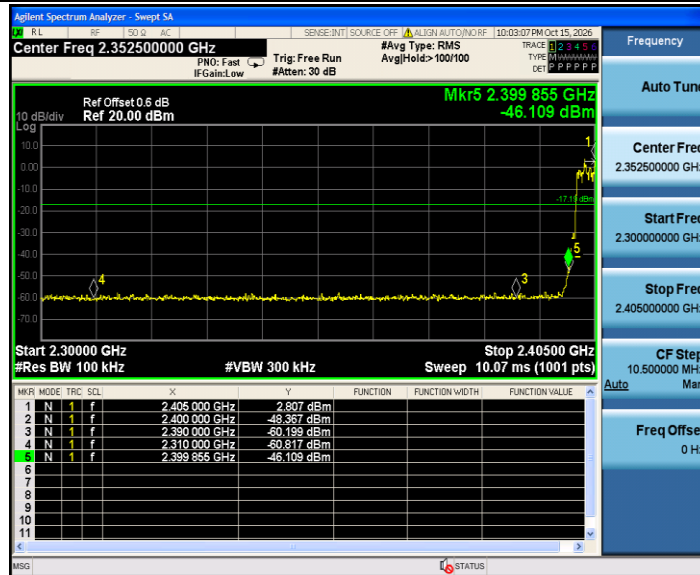
2DH5_Ant1_Low_2402



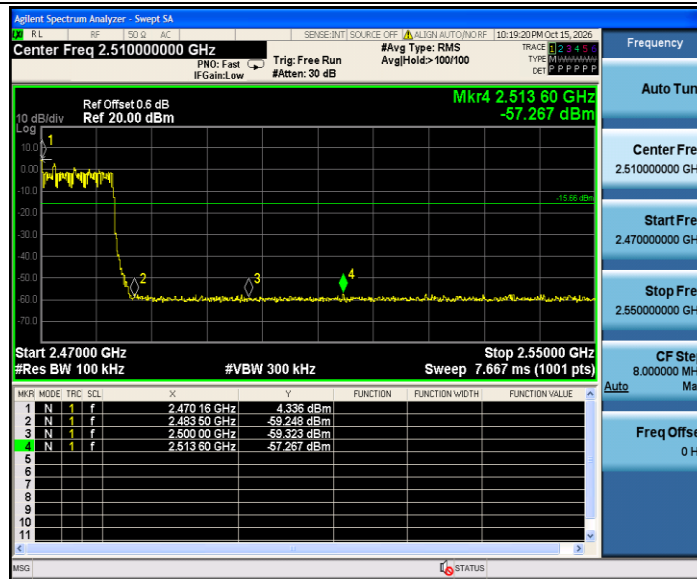
2DH5_Ant1_High_2480



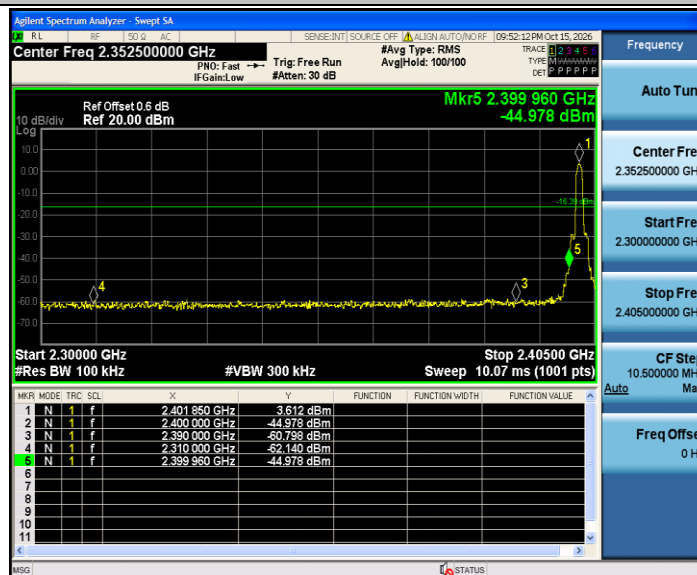
2DH5_Ant1_Low_Hop_2402



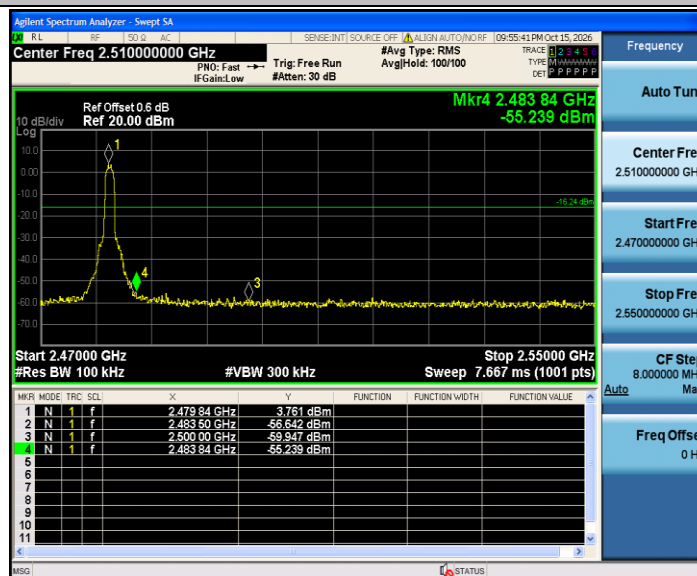
2DH5_Ant1_High_Hop_2480



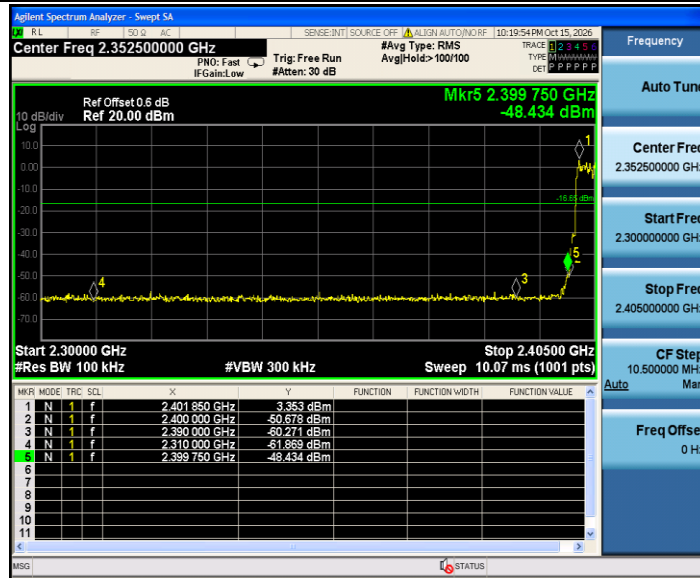
3DH5_Ant1_Low_2402



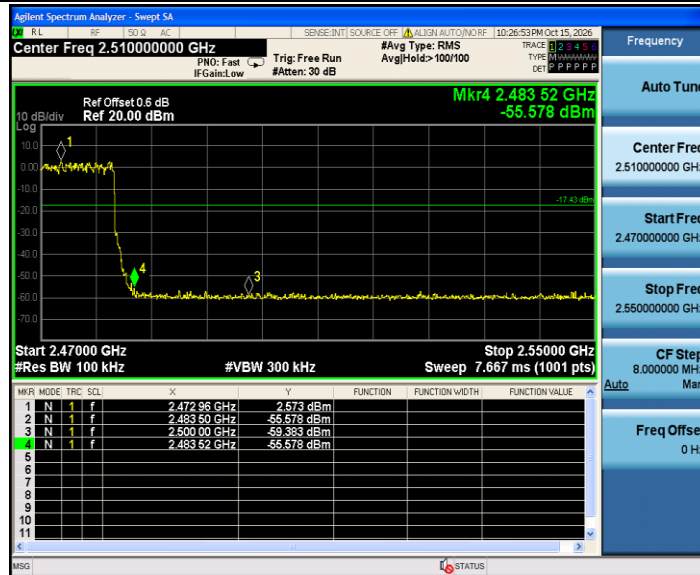
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

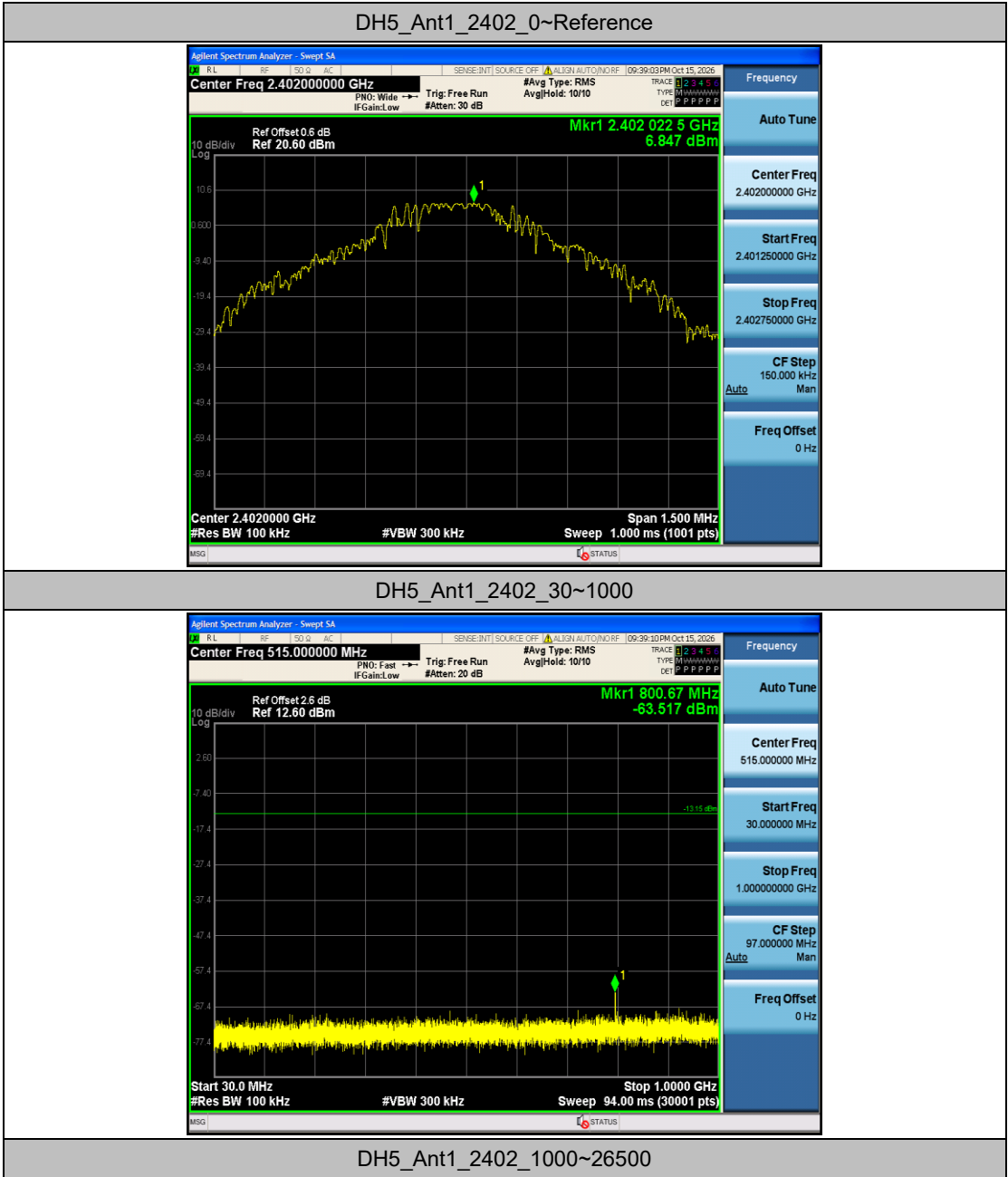


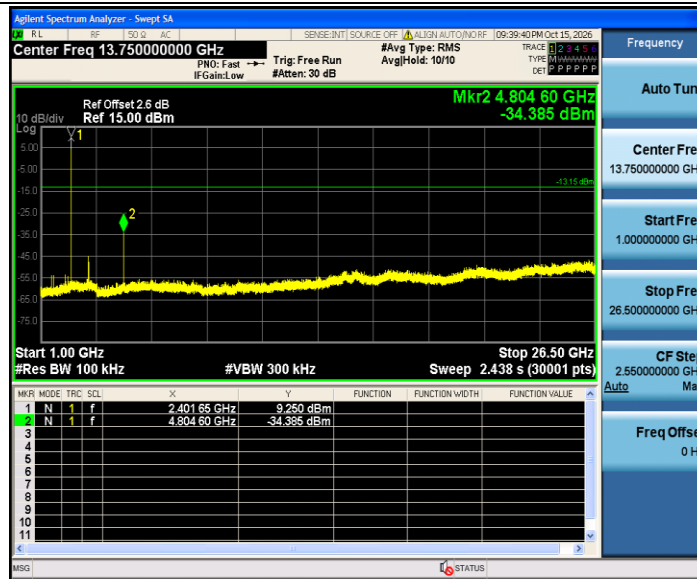
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	6.85	6.85	---	PASS
			30~1000	6.85	-63.52	≤-13.15	PASS
			1000~26500	6.85	-34.39	≤-13.15	PASS
		2441	Reference	7.01	7.01	---	PASS
			30~1000	7.01	-67.54	≤-12.99	PASS
			1000~26500	7.01	-39.74	≤-12.99	PASS
		2480	Reference	7.16	7.16	---	PASS
			30~1000	7.16	-64.56	≤-12.84	PASS
			1000~26500	7.16	-39.83	≤-12.84	PASS
2DH5	Ant1	2402	Reference	2.20	2.20	---	PASS
			30~1000	2.20	-68.94	≤-17.8	PASS
			1000~26500	2.20	-41.54	≤-17.8	PASS
		2441	Reference	1.74	1.74	---	PASS
			30~1000	1.74	-67.93	≤-18.26	PASS
			1000~26500	1.74	-44.41	≤-18.26	PASS
		2480	Reference	3.23	3.23	---	PASS
			30~1000	3.23	-68.69	≤-16.77	PASS
			1000~26500	3.23	-45.74	≤-16.77	PASS
3DH5	Ant1	2402	Reference	3.14	3.14	---	PASS
			30~1000	3.14	-67.88	≤-16.86	PASS
			1000~26500	3.14	-41.2	≤-16.86	PASS
		2441	Reference	2.77	2.77	---	PASS
			30~1000	2.77	-68.8	≤-17.23	PASS
			1000~26500	2.77	-44.67	≤-17.23	PASS
		2480	Reference	2.32	2.32	---	PASS
			30~1000	2.32	-68.27	≤-17.68	PASS
			1000~26500	2.32	-45.67	≤-17.68	PASS

Test Graphs

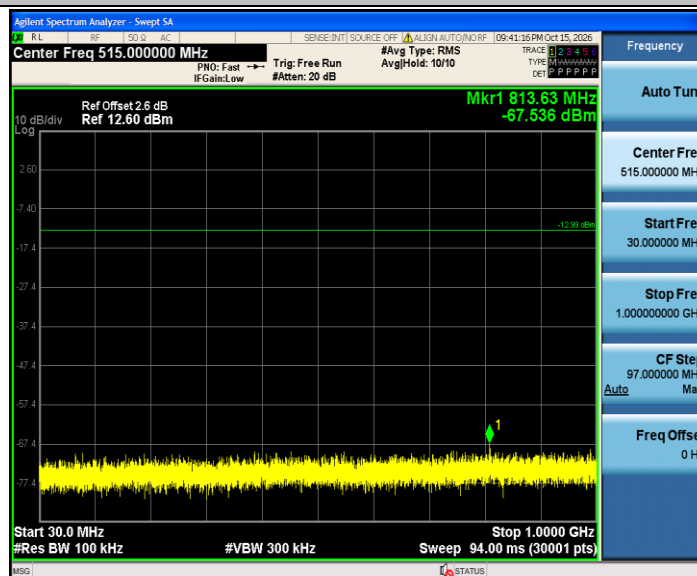




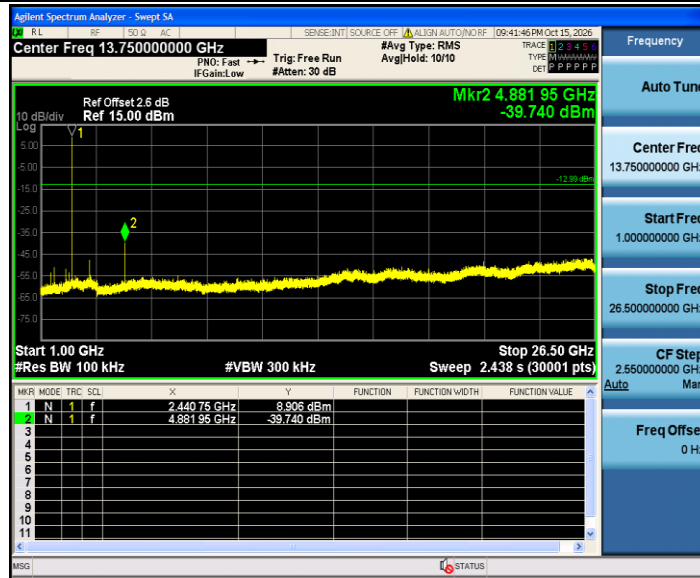
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



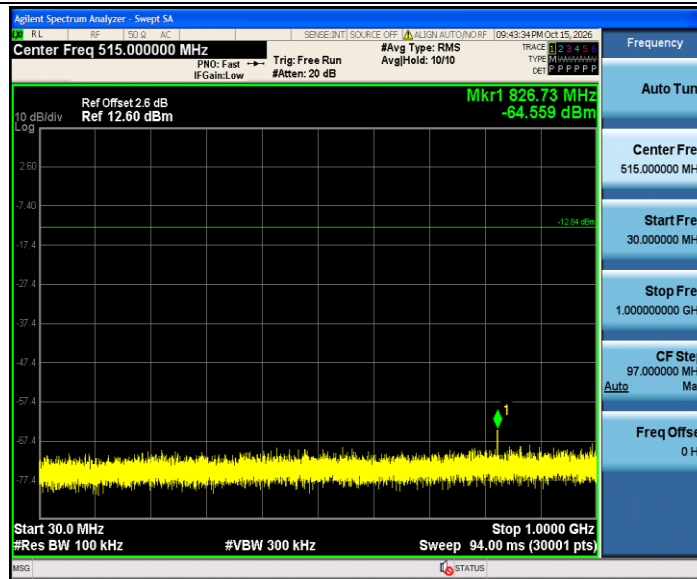
DH5_Ant1_2441_1000~26500



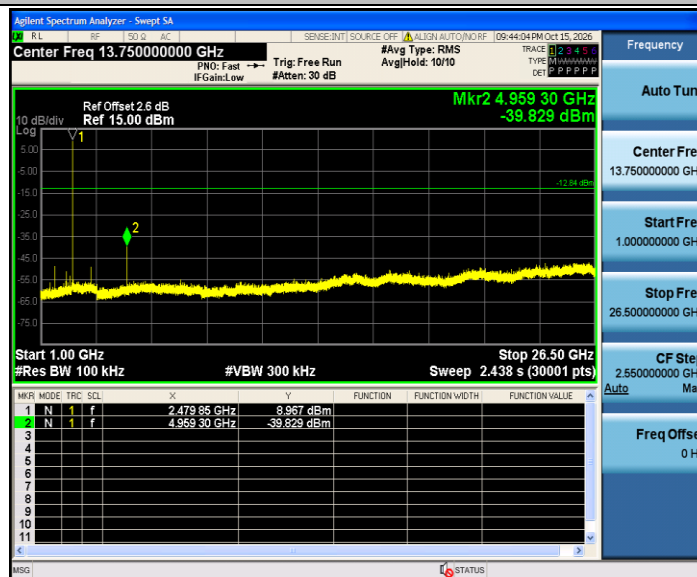
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

