

Case No. : GTS20220224018-2-10	
Ambient Condition: 22 °C, 47 %RH,	
Test Date: 2022.5.12	Test Engineer: Jenny zeng

Appendix A.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.047	2401.499	2402.546	---	---
		2441	1.044	2440.493	2441.537	---	---
		2480	1.041	2479.493	2480.534	---	---
2DH1	Ant1	2402	1.323	2401.349	2402.672	---	---
		2441	1.347	2440.334	2441.681	---	---
		2480	1.350	2479.325	2480.675	---	---
3DH1	Ant1	2402	1.287	2401.382	2402.669	---	---
		2441	1.257	2440.391	2441.648	---	---
		2480	1.287	2479.352	2480.639	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



3DH1_Ant1_2480



Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.91780	2401.552	2402.470	---	---
		2441	0.90358	2440.550	2441.454	---	---
		2480	0.91357	2479.541	2480.455	---	---
2DH1	Ant1	2402	1.1773	2401.417	2402.594	---	---
		2441	1.1788	2440.406	2441.585	---	---
		2480	1.1749	2479.406	2480.581	---	---
3DH1	Ant1	2402	1.1680	2401.440	2402.608	---	---
		2441	1.1660	2440.433	2441.599	---	---
		2480	1.1665	2479.426	2480.593	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



3DH1_Ant1_2480



Appendix A.3: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1	≥ 0.698	PASS
		Hop_2441	0.988	≥ 0.698	PASS
		Hop_2480	0.992	≥ 0.698	PASS
2DH1	Ant1	Hop_2402	1	≥ 0.900	PASS
		Hop_2441	0.998	≥ 0.900	PASS
		Hop_2480	1.006	≥ 0.900	PASS
3DH1	Ant1	Hop_2402	0.972	≥ 0.858	PASS
		Hop_2441	1	≥ 0.858	PASS
		Hop_2480	1.008	≥ 0.858	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441



2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441



3DH1_Ant1_Hop_2480



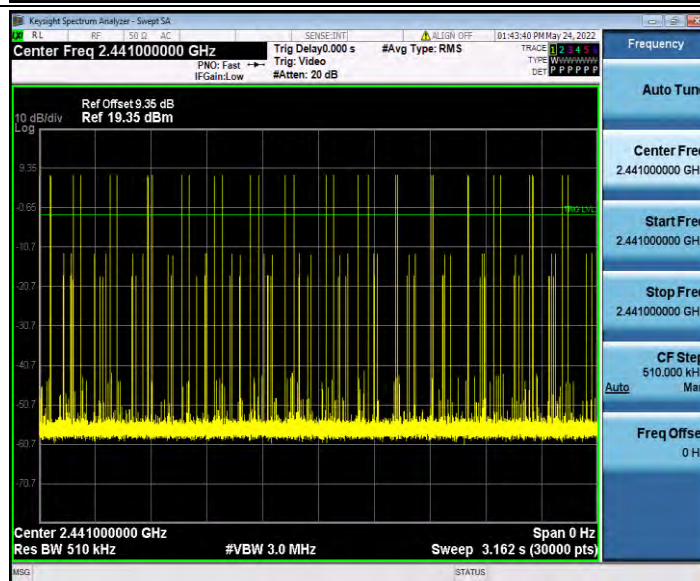
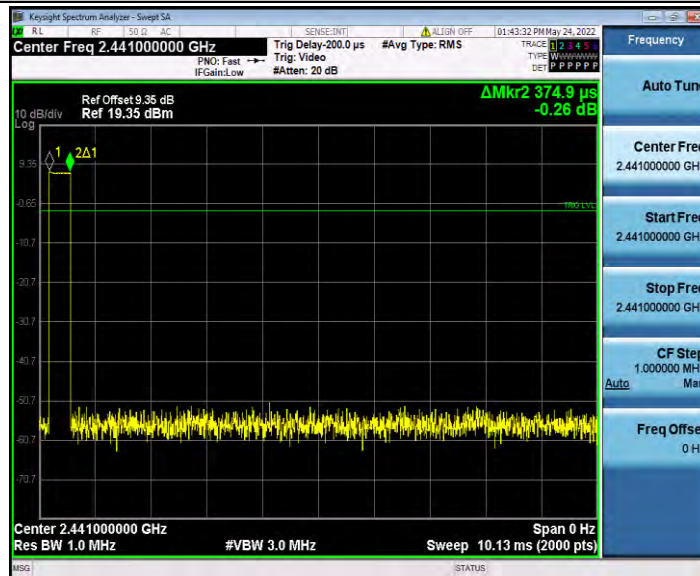
Appendix A.4: Time of occupancy

Test Result

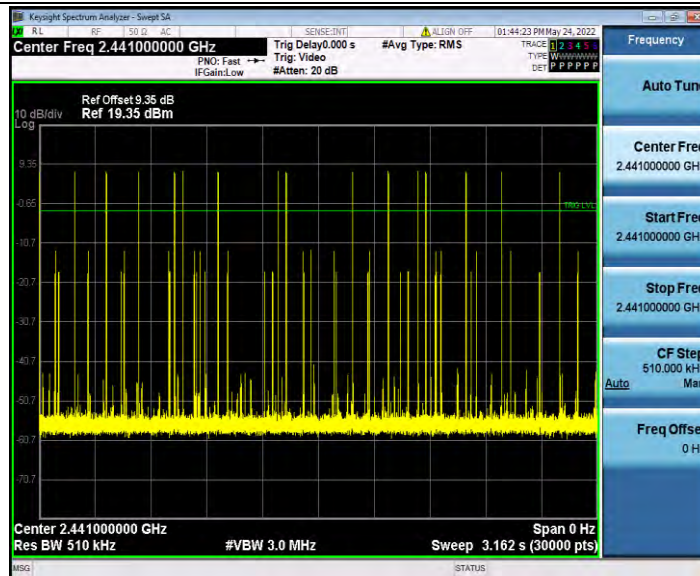
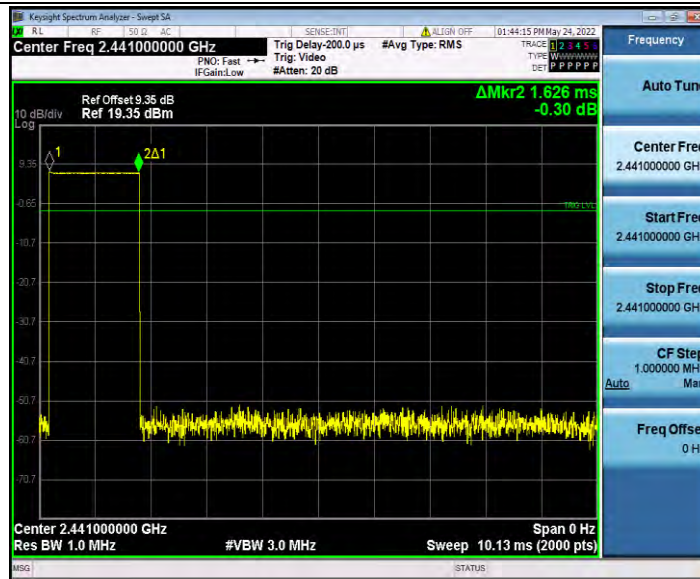
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.63	160	0.26	≤0.4	PASS
DH5	Ant1	Hop	2.88	120	0.345	≤0.4	PASS
2DH1	Ant1	Hop	0.38	320	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.63	180	0.294	≤0.4	PASS
2DH5	Ant1	Hop	2.88	100	0.288	≤0.4	PASS
3DH1	Ant1	Hop	0.37	330	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.63	190	0.31	≤0.4	PASS
3DH5	Ant1	Hop	2.88	50	0.144	≤0.4	PASS

Test Graphs

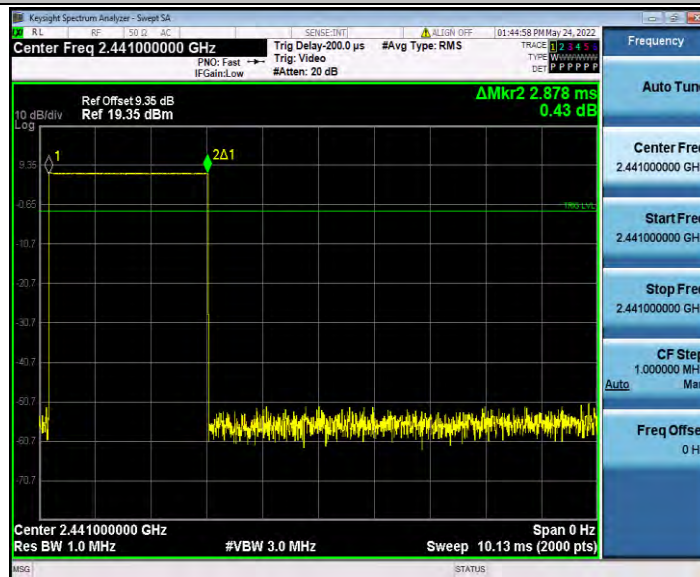
DH1_Ant1_Hop

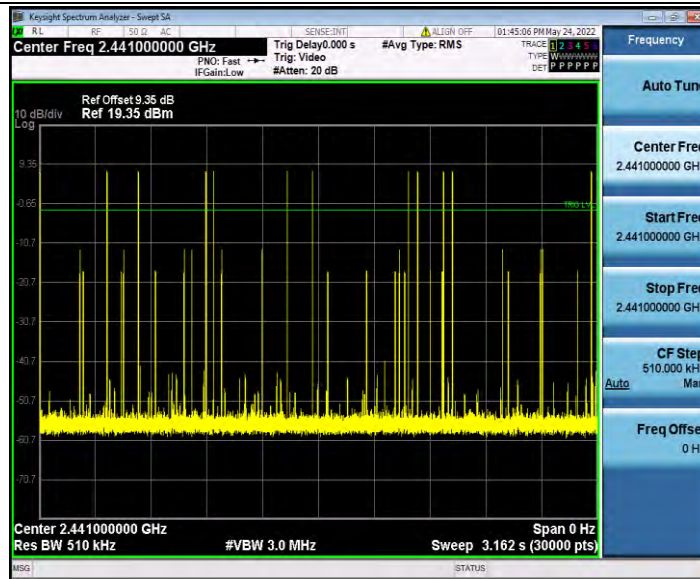


DH3_Ant1_Hop

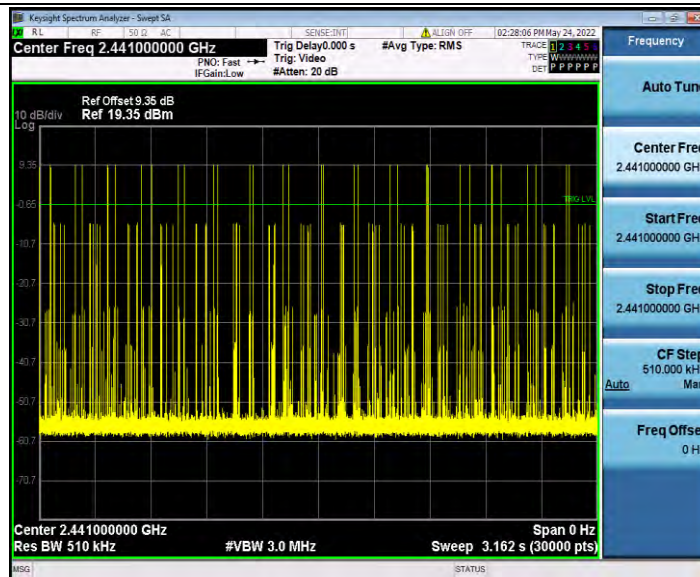
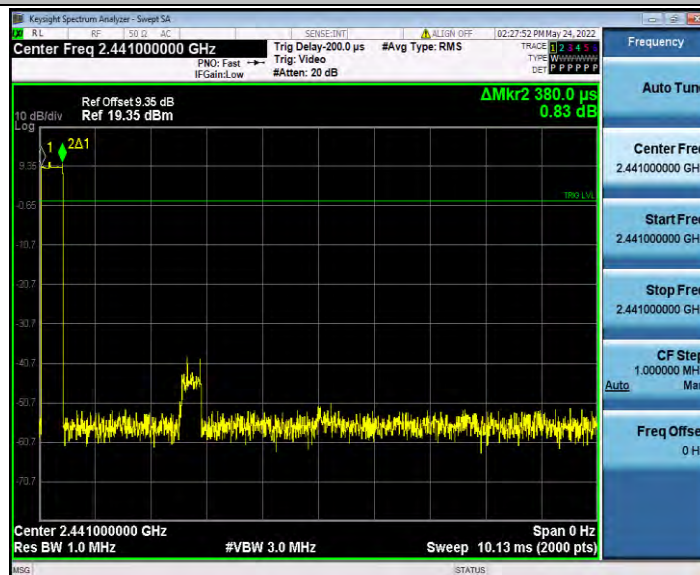


DH5_Ant1_Hop

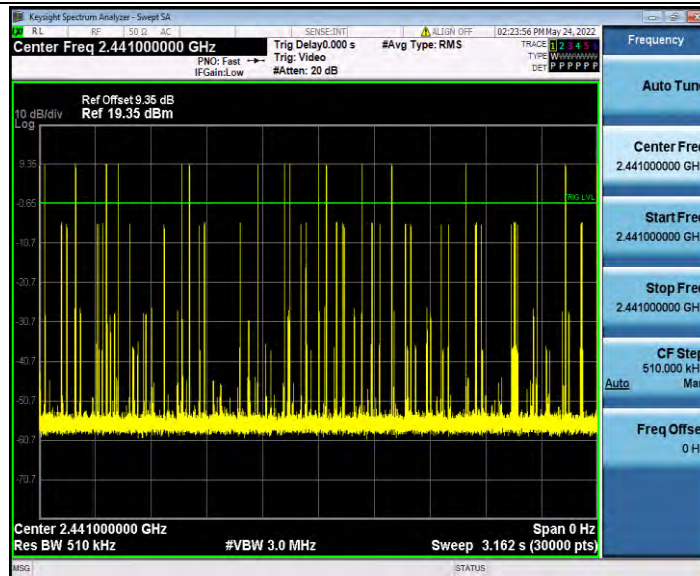
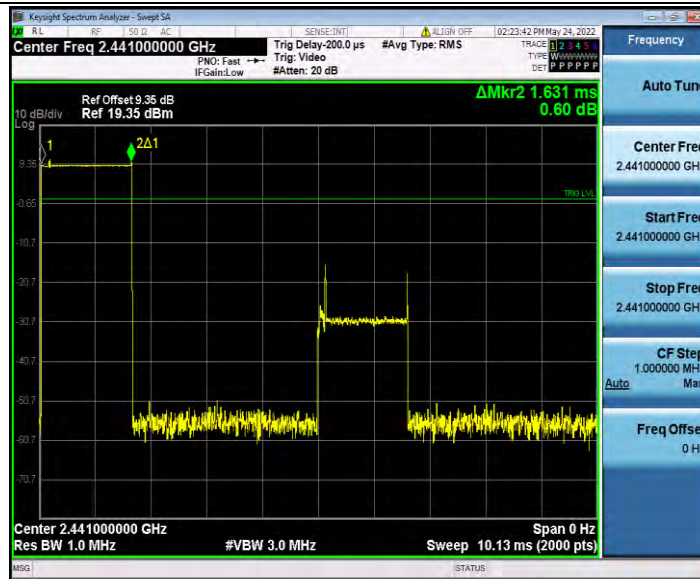




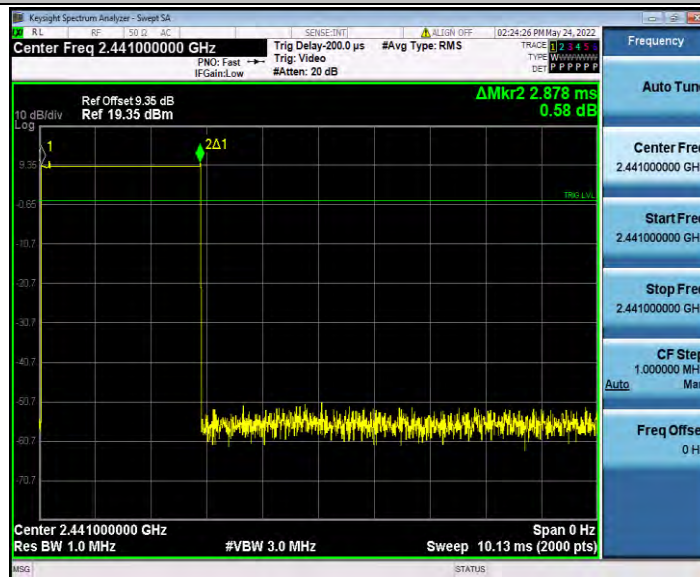
2DH1_Ant1_Hop

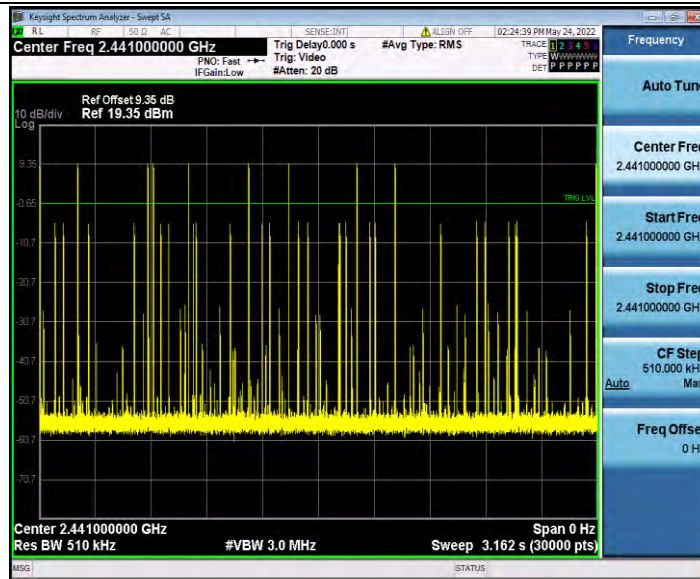


2DH3_Ant1_Hop

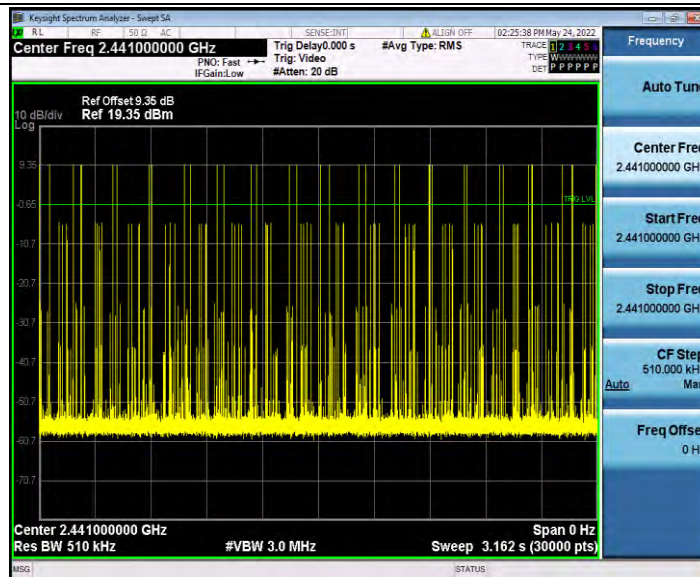
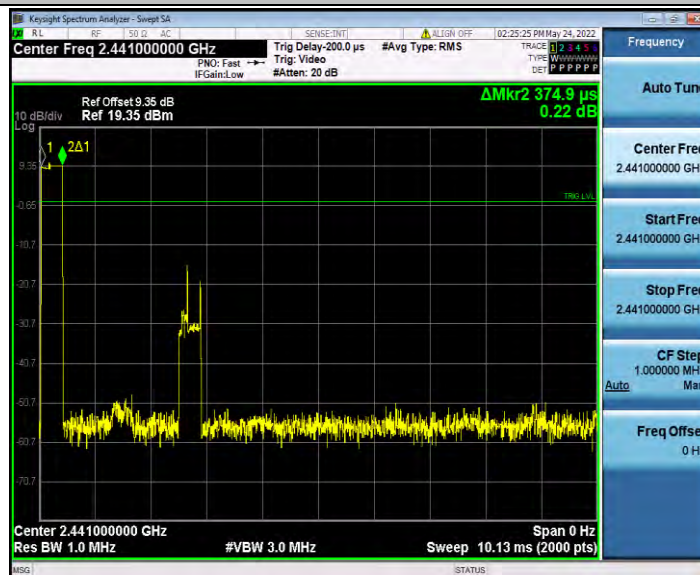


2DH5_Ant1_Hop

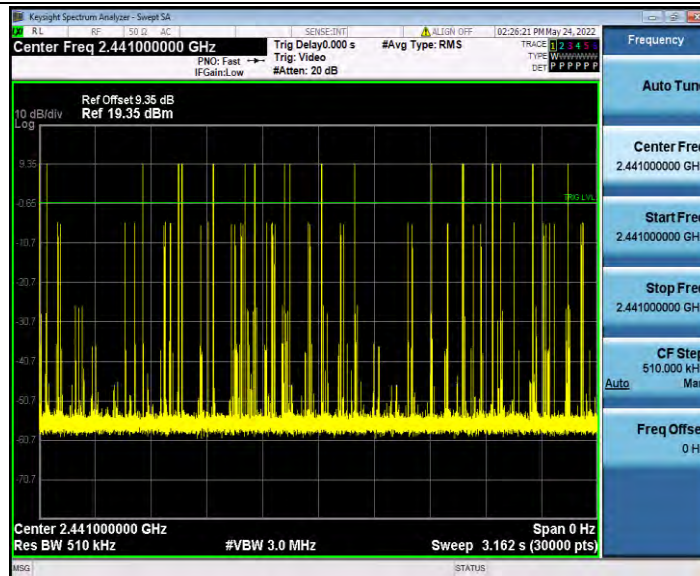
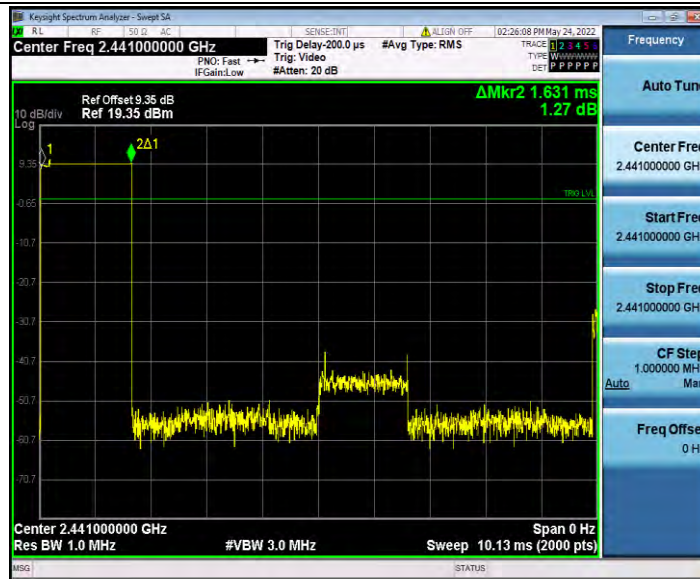




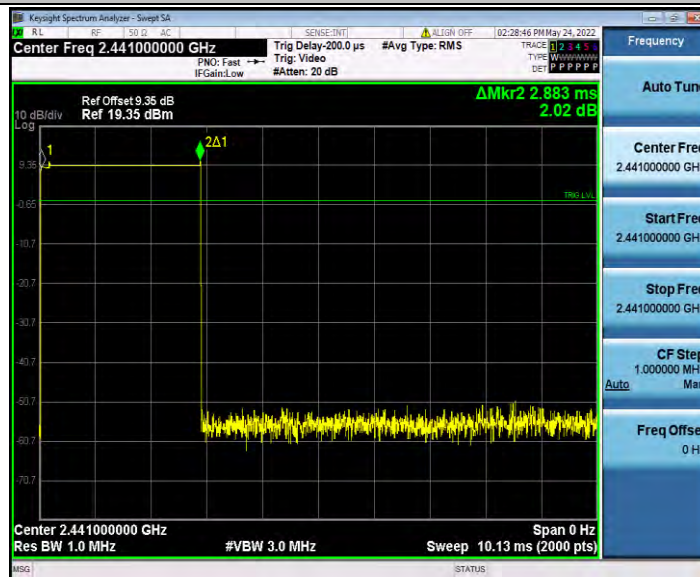
3DH1_Ant1_Hop

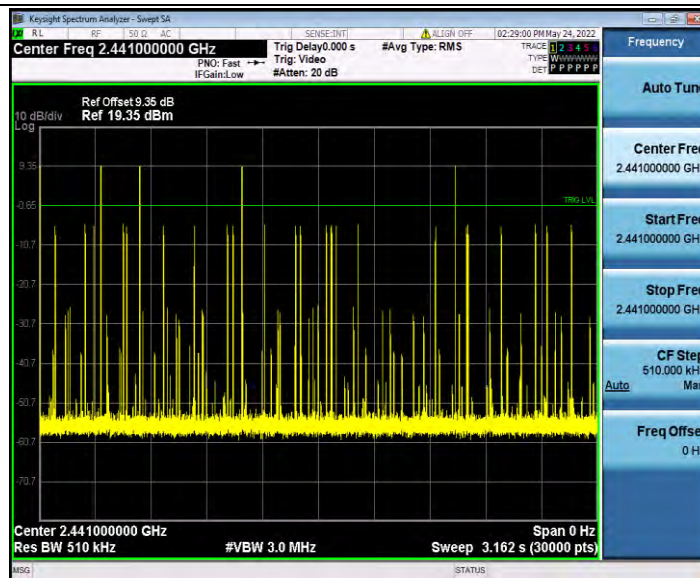


3DH3_Ant1_Hop



3DH5_Ant1_Hop





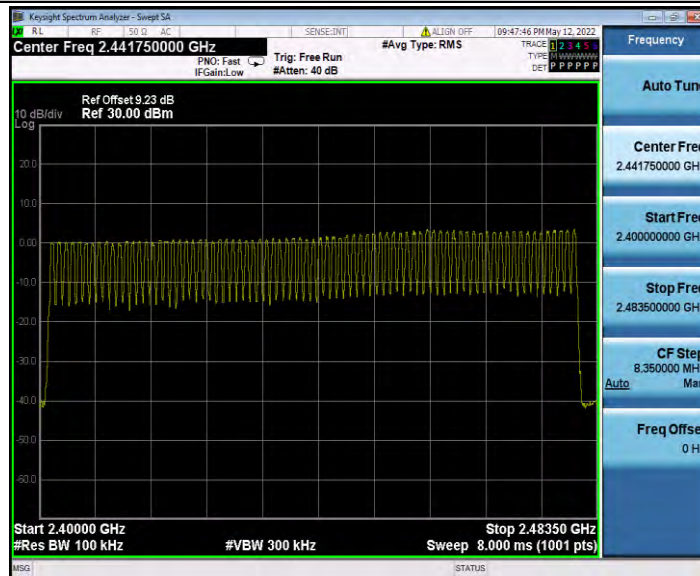
Appendix A.5: Number of hopping channels

Test Result

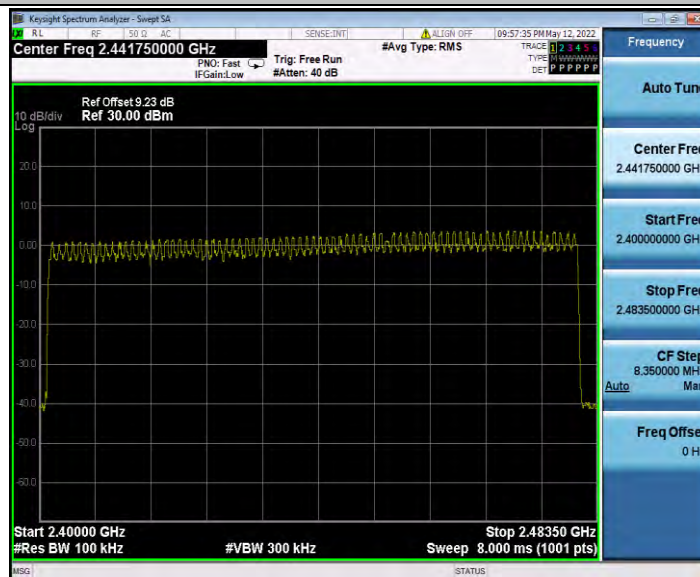
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

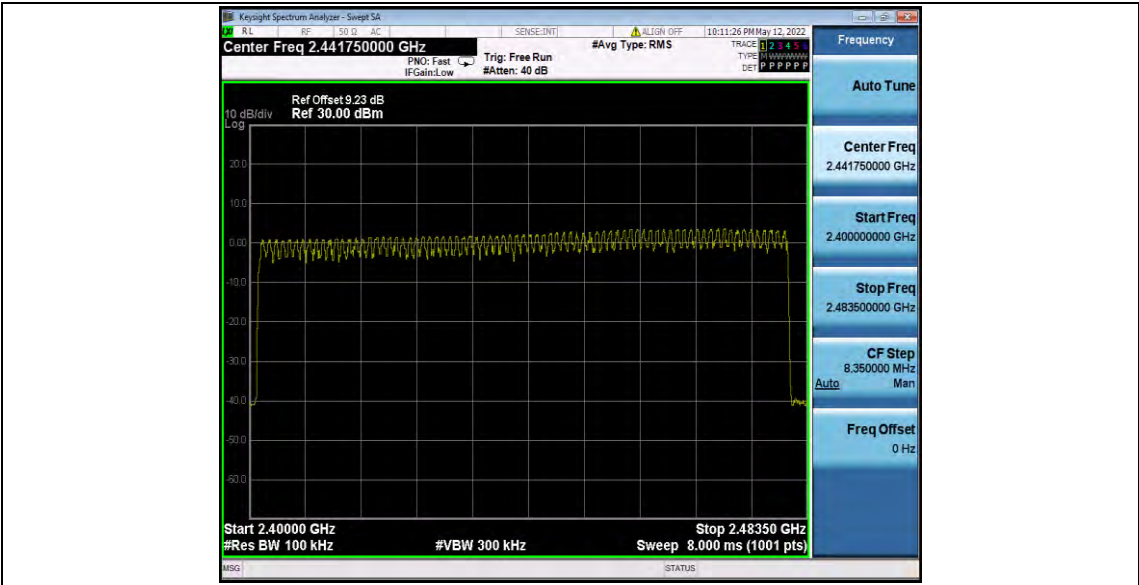
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



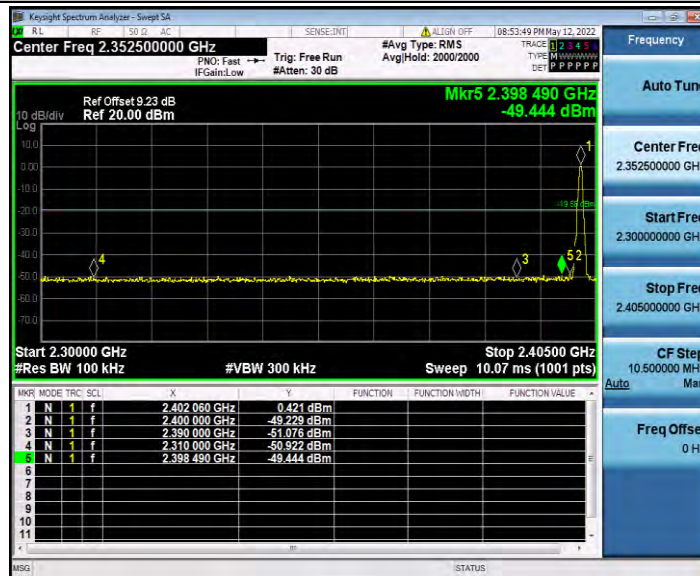
Appendix A.6: Band edge measurements

Test Result

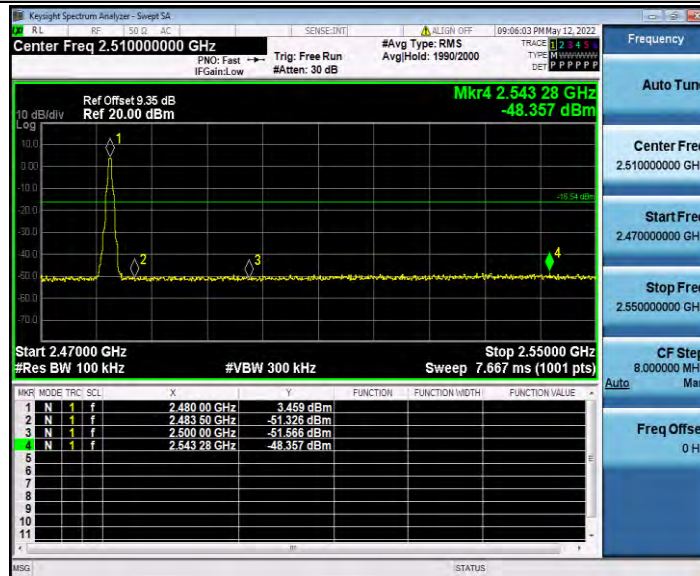
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	0.42	-49.44	≤-19.58	PASS
		High	2480	3.46	-48.36	≤-16.54	PASS
		Low	Hop_2402	0.09	-49.31	≤-19.91	PASS
		High	Hop_2480	3.60	-48.69	≤-16.41	PASS
2DH1	Ant1	Low	2402	0.85	-49.27	≤-19.15	PASS
		High	2480	3.46	-48.49	≤-16.54	PASS
		Low	Hop_2402	0.62	-49.47	≤-19.38	PASS
		High	Hop_2480	3.61	-48.84	≤-16.39	PASS
3DH1	Ant1	Low	2402	0.85	-49.46	≤-19.15	PASS
		High	2480	3.48	-47.64	≤-16.52	PASS
		Low	Hop_2402	0.26	-49.64	≤-19.74	PASS
		High	Hop_2480	3.70	-48.55	≤-16.3	PASS

Test Graphs

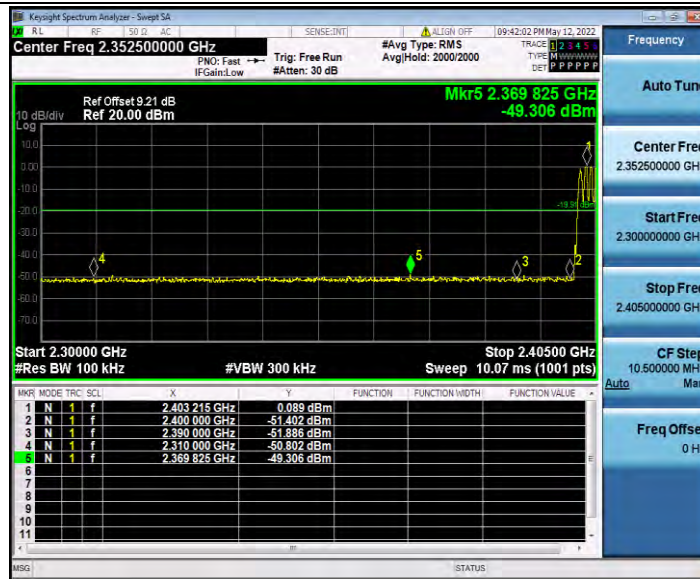
DH1_Ant1_Low_2402



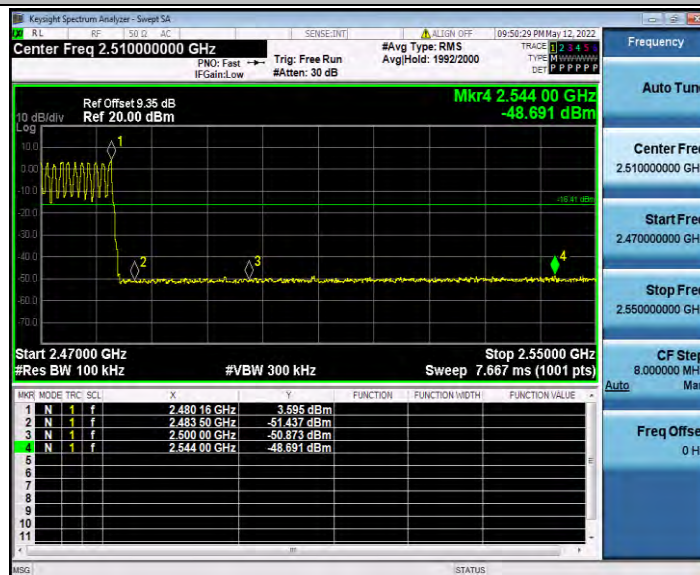
DH1_Ant1_High_2480



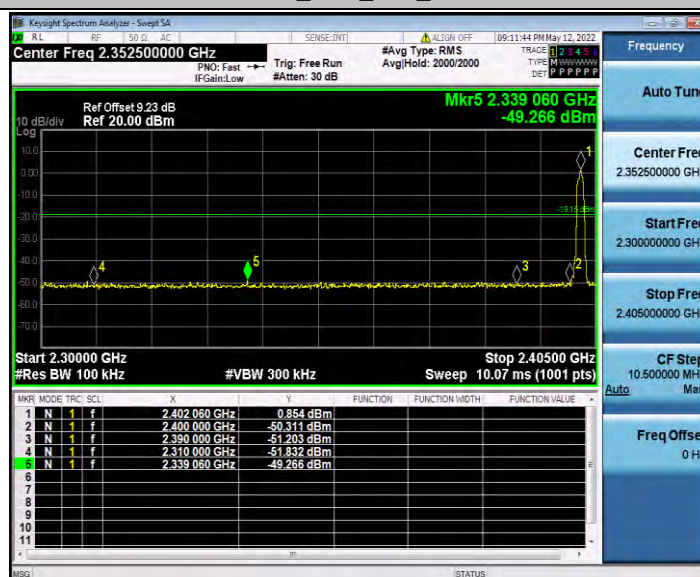
DH1_Ant1_Low_Hop_2402



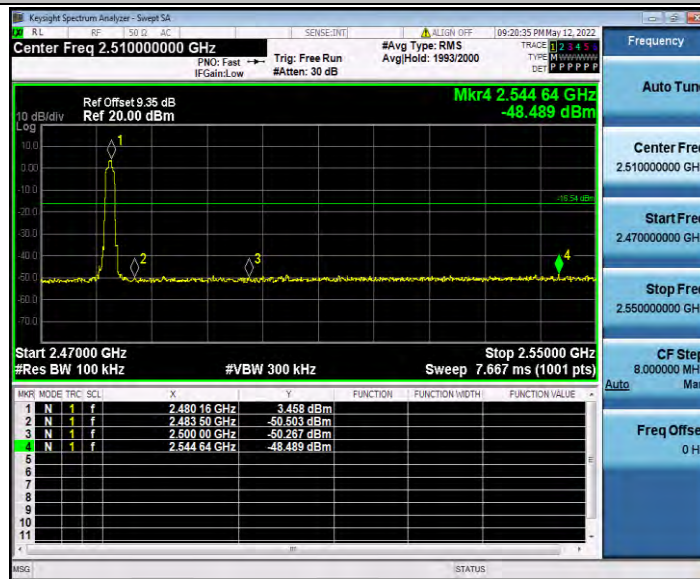
DH1_Ant1_High_Hop_2480



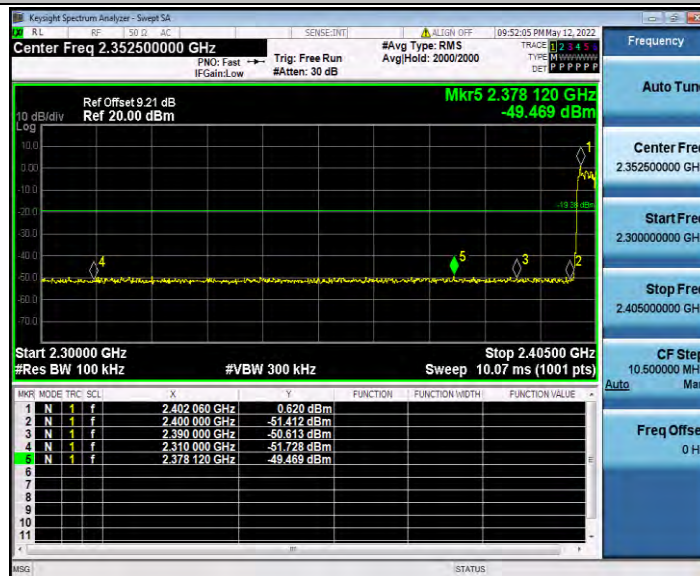
2DH1_Ant1_Low_2402



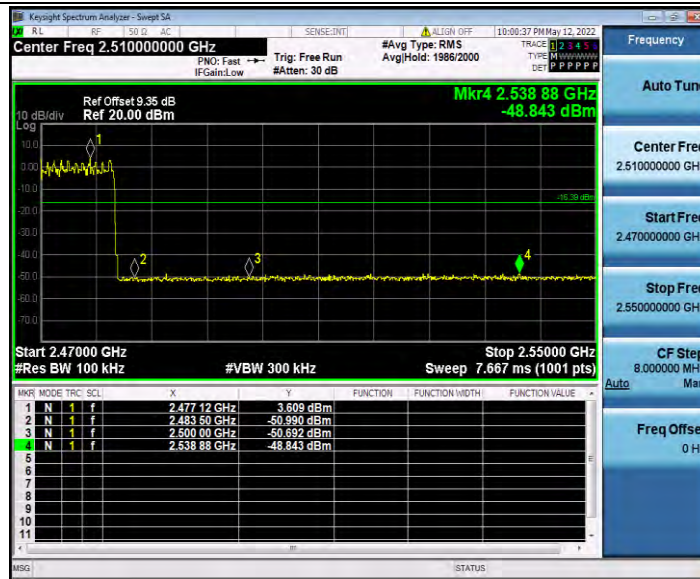
2DH1_Ant1_High_2480



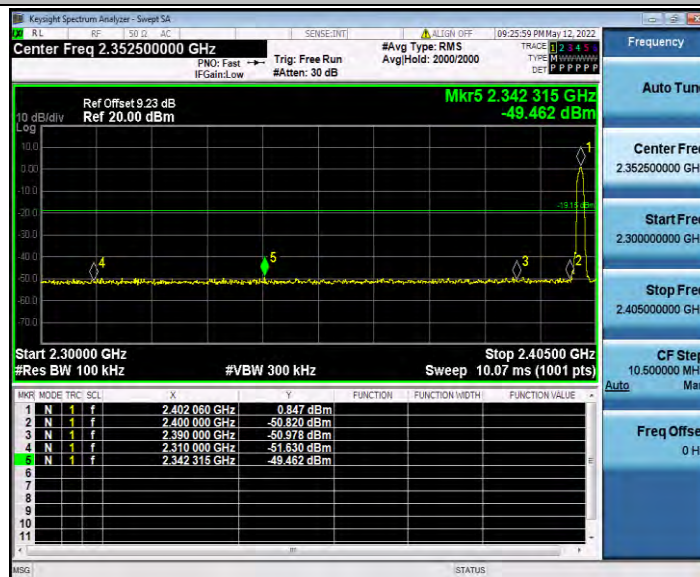
2DH1_Ant1_Low_Hop_2402



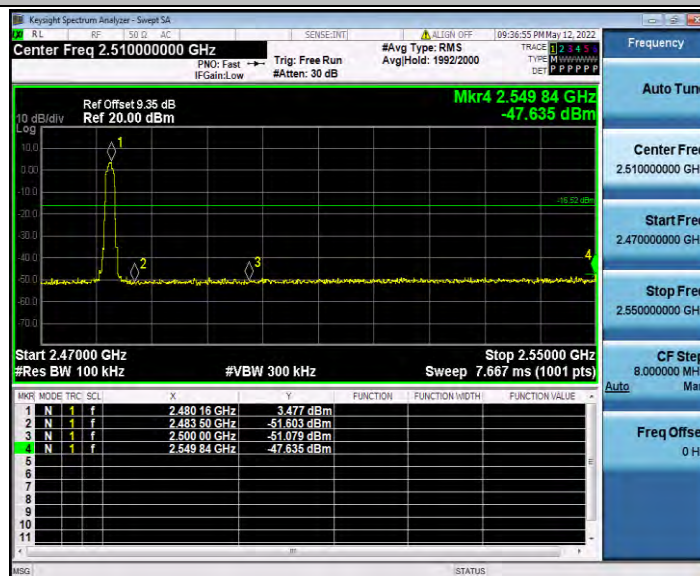
2DH1_Ant1_High_Hop_2480



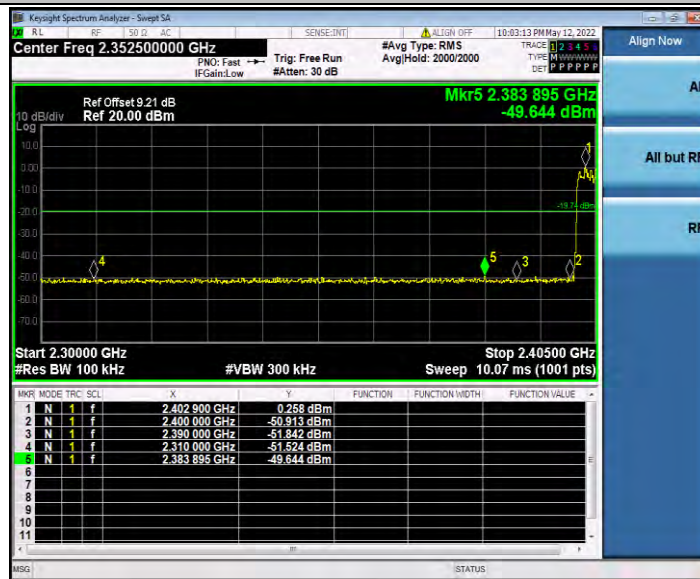
3DH1_Ant1_Low_2402



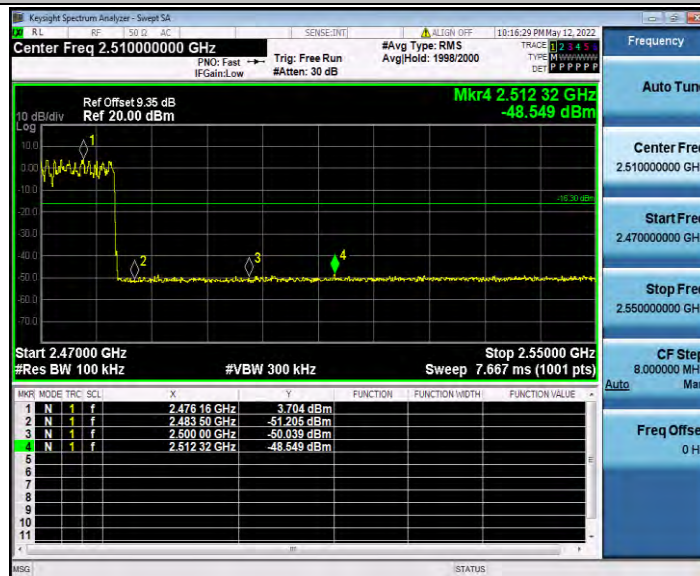
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.7: Conducted Spurious Emission

Test Result

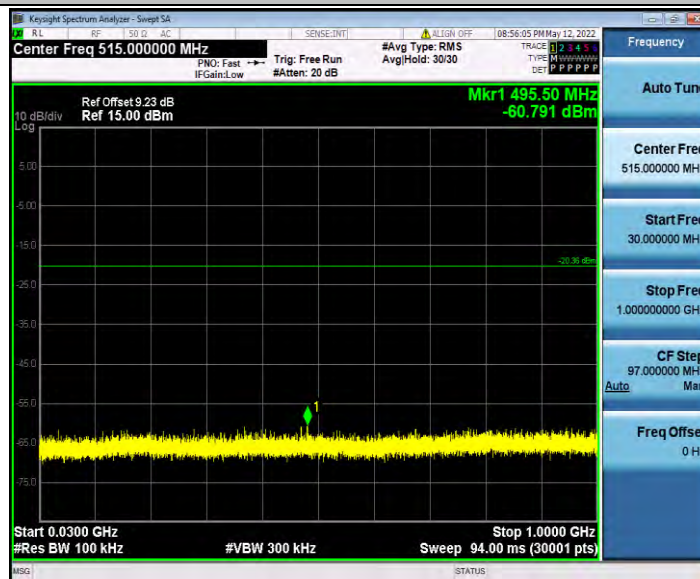
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	-0.36	-0.36	---	PASS
			30~1000	-0.36	-60.79	≤-20.36	PASS
			1000~26500	-0.36	-46.85	≤-20.36	PASS
		2441	Reference	1.36	1.36	---	PASS
			30~1000	1.36	-60.65	≤-18.64	PASS
			1000~26500	1.36	-47.6	≤-18.64	PASS
		2480	Reference	2.69	2.69	---	PASS
			30~1000	2.69	-60.62	≤-17.31	PASS
			1000~26500	2.69	-47.83	≤-17.31	PASS
2DH1	Ant1	2402	Reference	0.77	0.77	---	PASS
			30~1000	0.77	-60.43	≤-19.23	PASS
			1000~26500	0.77	-47.58	≤-19.23	PASS
		2441	Reference	2.29	2.29	---	PASS
			30~1000	2.29	-59.73	≤-17.71	PASS
			1000~26500	2.29	-41.87	≤-17.71	PASS
		2480	Reference	3.52	3.52	---	PASS
			30~1000	3.52	-42.14	≤-16.48	PASS
			1000~26500	3.52	-47.58	≤-16.48	PASS
3DH1	Ant1	2402	Reference	0.65	0.65	---	PASS
			30~1000	0.65	-60.43	≤-19.35	PASS
			1000~26500	0.65	-48.01	≤-19.35	PASS
		2441	Reference	2.29	2.29	---	PASS
			30~1000	2.29	-60.45	≤-17.71	PASS
			1000~26500	2.29	-47.35	≤-17.71	PASS
		2480	Reference	3.39	3.39	---	PASS
			30~1000	3.39	-60.9	≤-16.61	PASS
			1000~26500	3.39	-29.05	≤-16.61	PASS

Test Graphs

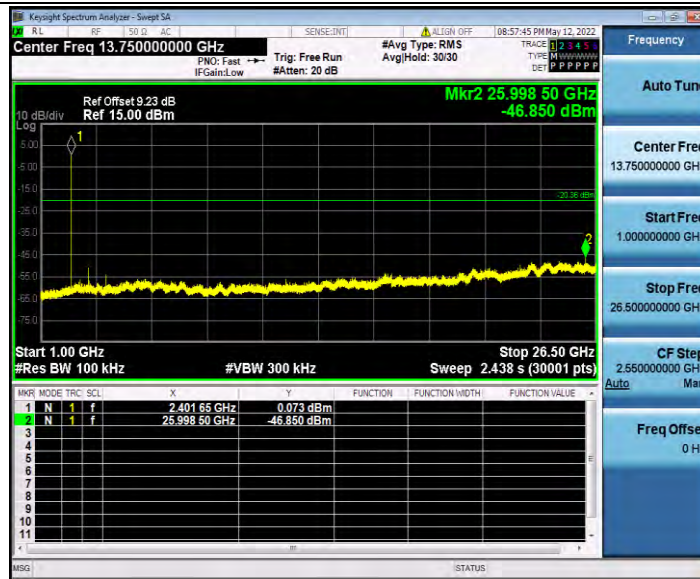
DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



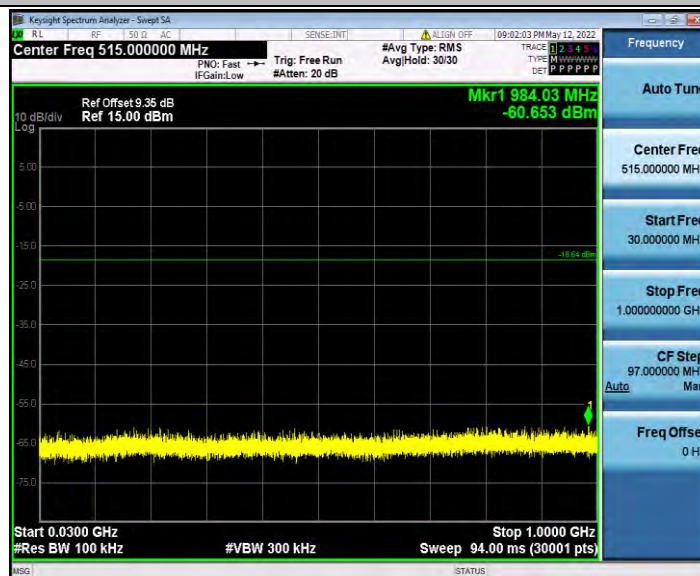
DH1_Ant1_2402_1000~26500



DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



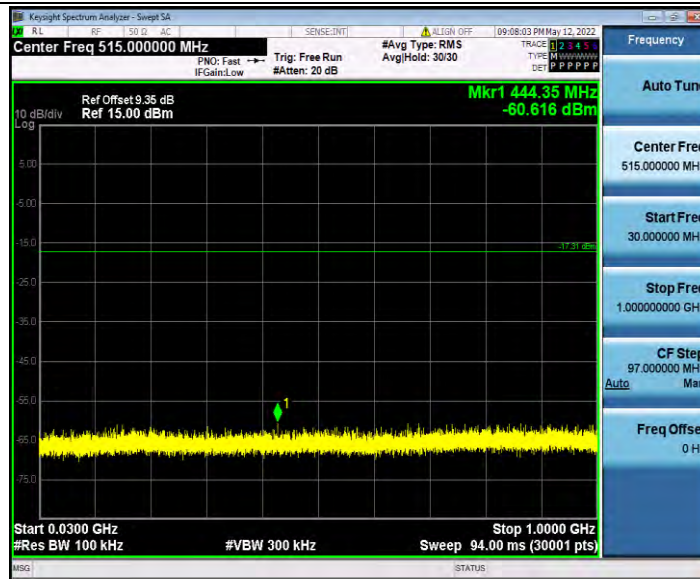
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



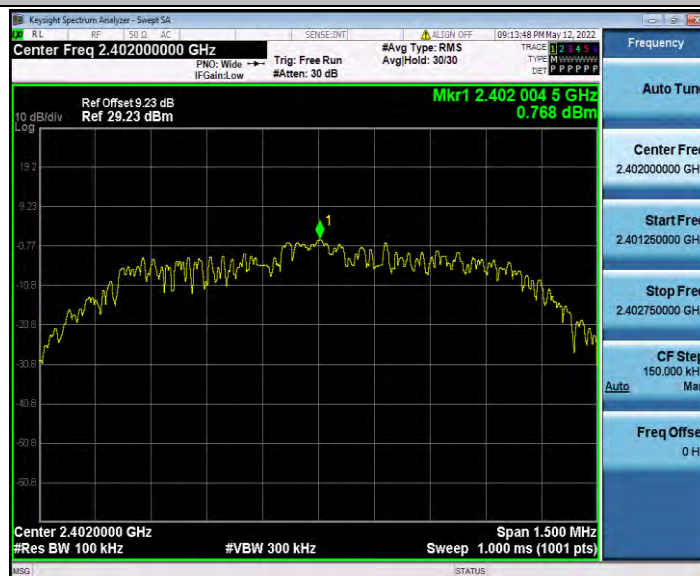
DH1_Ant1_2480_30~1000



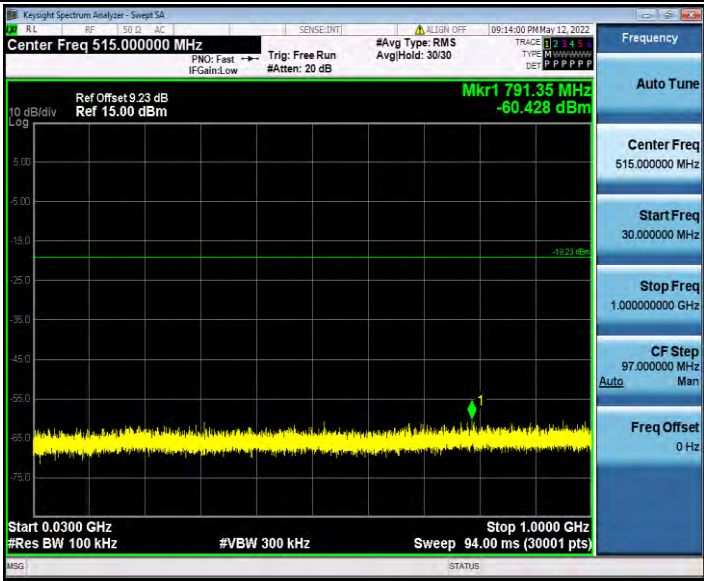
DH1_Ant1_2480_1000~26500



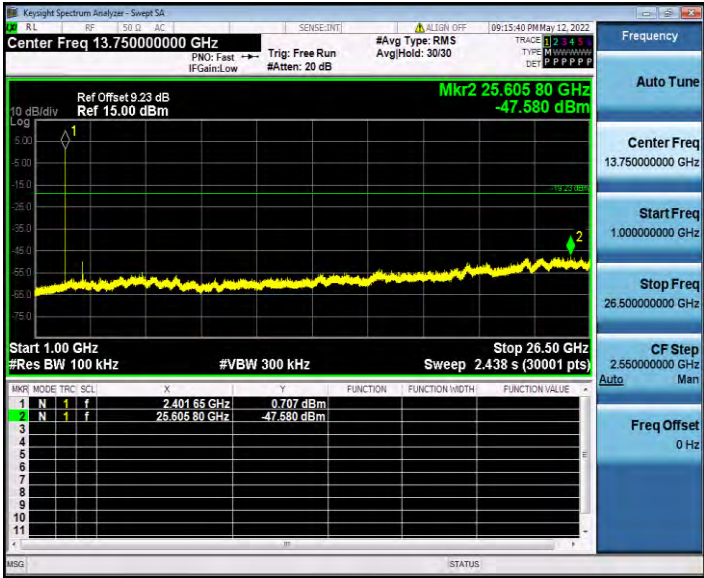
2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



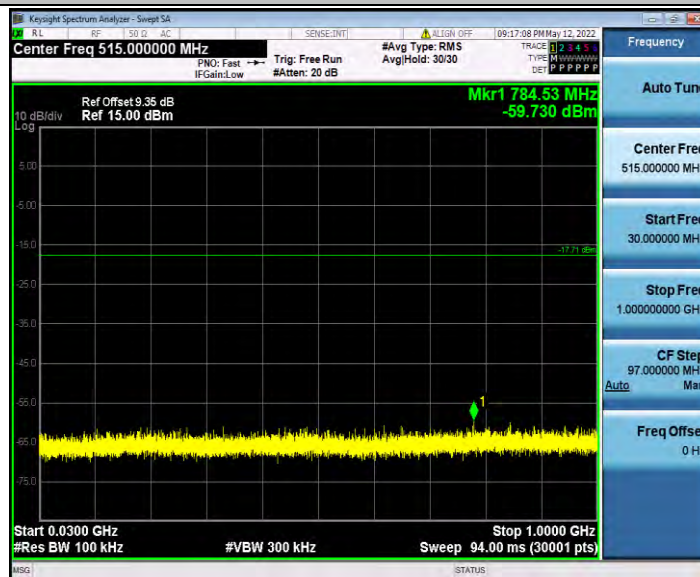
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



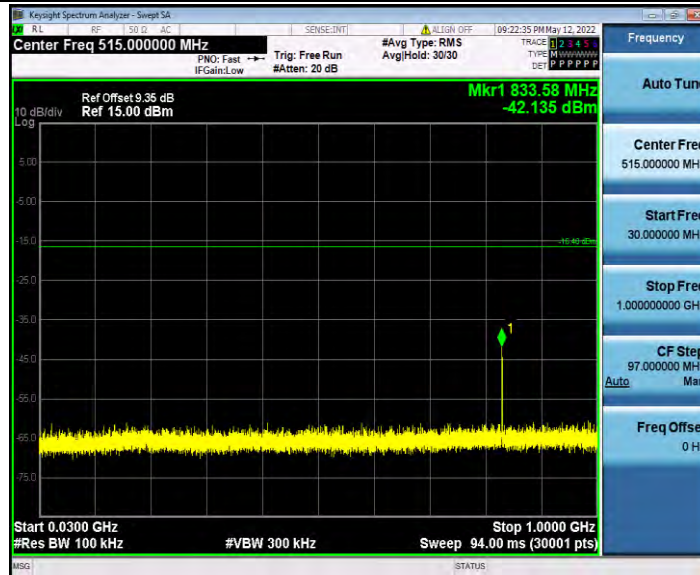
2DH1_Ant1_2441_1000~26500



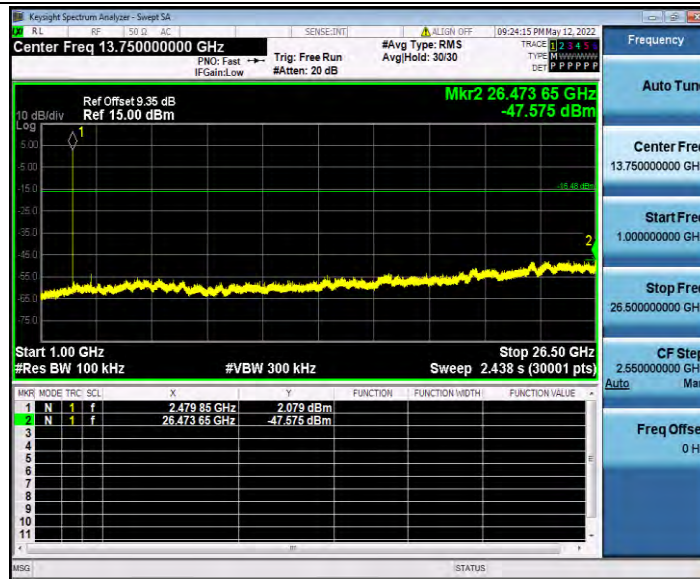
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



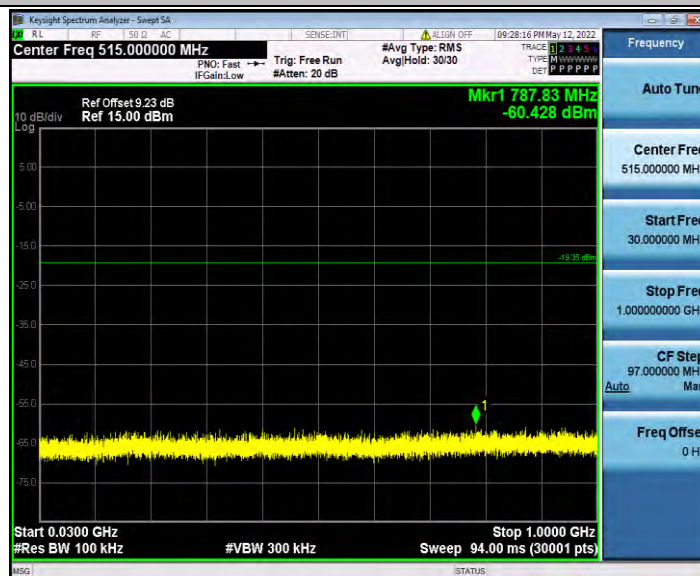
2DH1_Ant1_2480_1000~26500



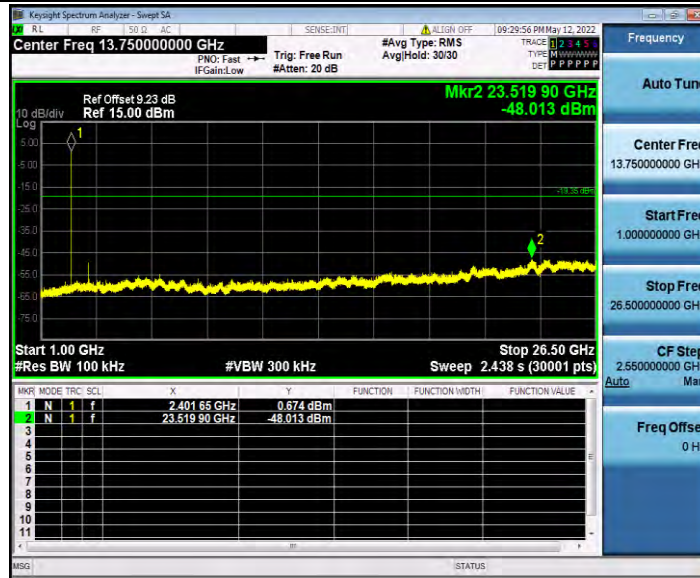
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



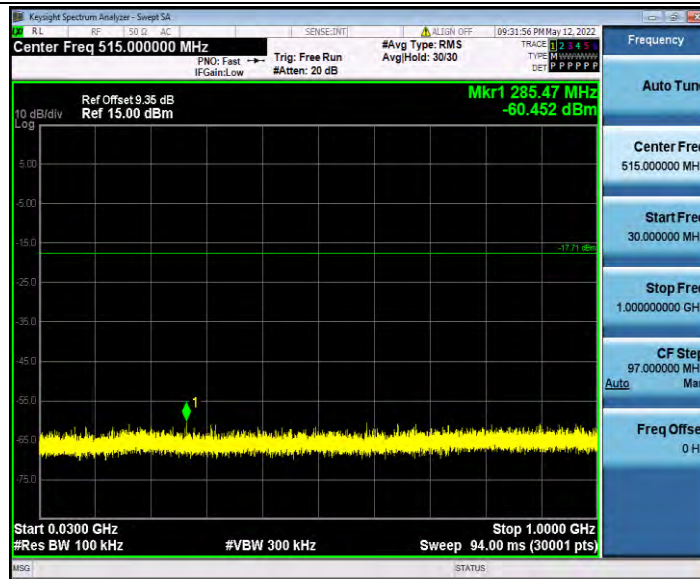
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



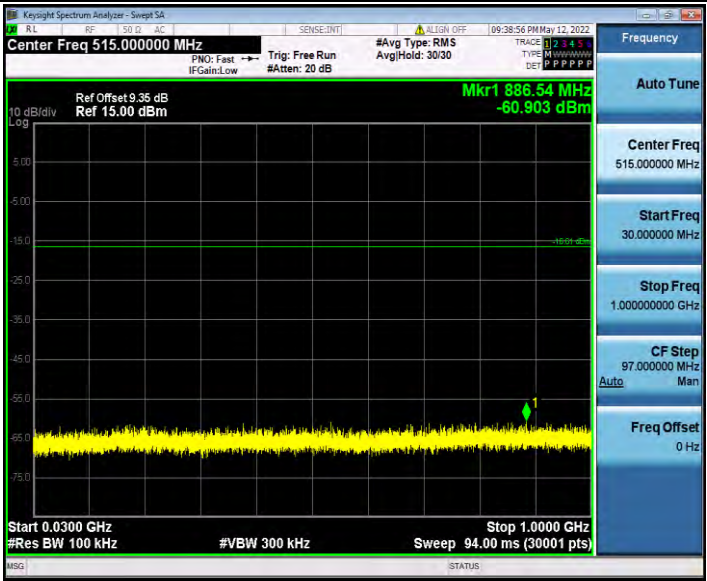
3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500

