

Case No. : GTS20220506010-1-10	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022-5-14	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	1.035	2401.493	2402.528	---	---
		2441	1.032	2440.496	2441.528	---	---
		2480	1.032	2479.496	2480.528	---	---
2DH1	Ant1	2402	1.347	2401.328	2402.675	---	---
		2441	1.344	2440.328	2441.672	---	---
		2480	1.347	2479.325	2480.672	---	---
3DH1	Ant1	2402	1.296	2401.346	2402.642	---	---
		2441	1.293	2440.346	2441.639	---	---
		2480	1.293	2479.346	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



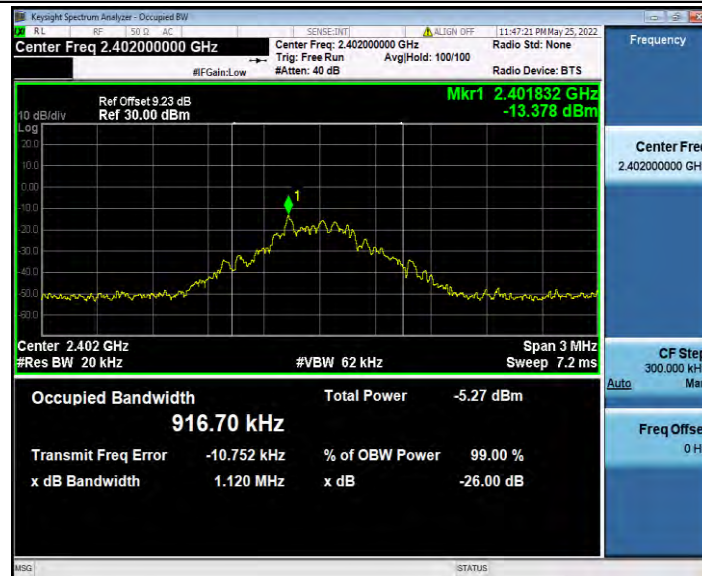
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.91670	2401.531	2402.448	---	---
		2441	0.90698	2440.549	2441.455	---	---
		2480	0.93734	2479.526	2480.464	---	---
2DH1	Ant1	2402	1.0500	2401.471	2402.521	---	---
		2441	1.1788	2440.410	2441.589	---	---
		2480	1.1802	2479.409	2480.589	---	---
3DH1	Ant1	2402	1.1616	2401.424	2402.586	---	---
		2441	1.1615	2440.424	2441.585	---	---
		2480	1.1627	2479.422	2480.585	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_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	1.004	≥ 0.690	PASS
		Hop_2441	0.998	≥ 0.690	PASS
		Hop_2480	1.000	≥ 0.690	PASS
2DH1	Ant1	Hop_2402	1.330	≥ 0.898	PASS
		Hop_2441	1.008	≥ 0.898	PASS
		Hop_2480	1.002	≥ 0.898	PASS
3DH1	Ant1	Hop_2402	1.170	≥ 0.864	PASS
		Hop_2441	1.176	≥ 0.864	PASS
		Hop_2480	0.996	≥ 0.864	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



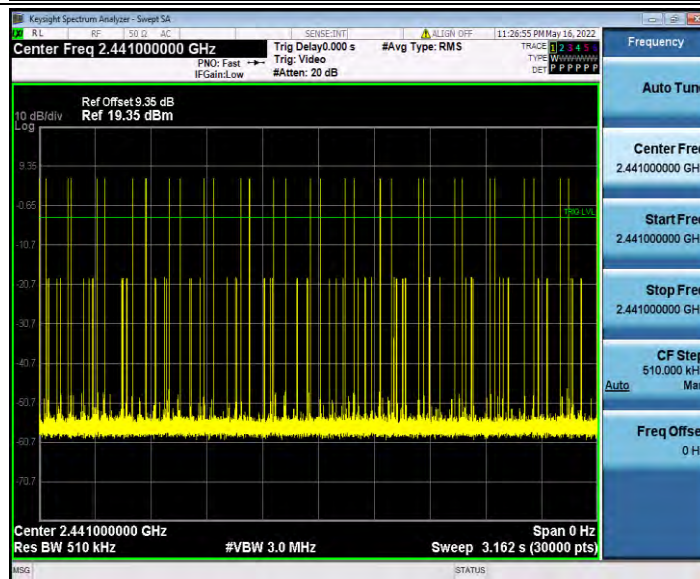
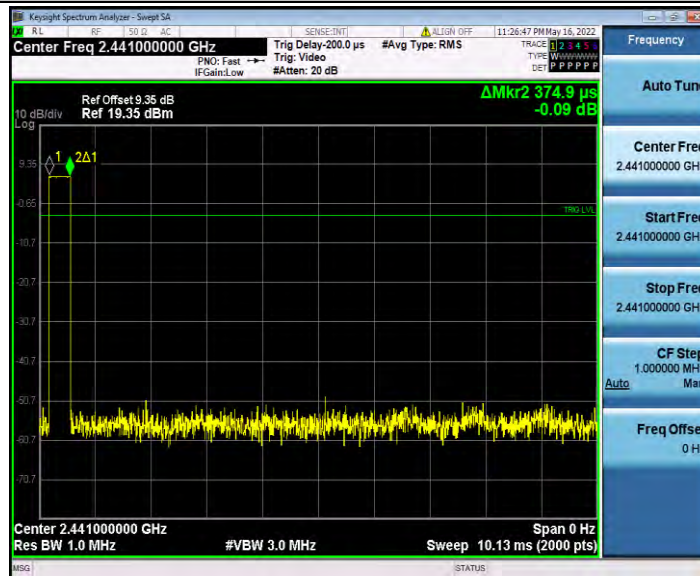
Appendix A.4: Time of occupancy

Test Result

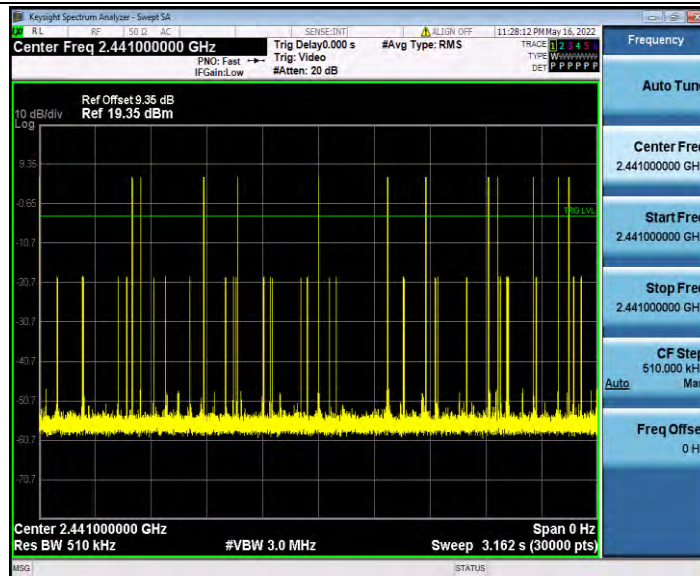
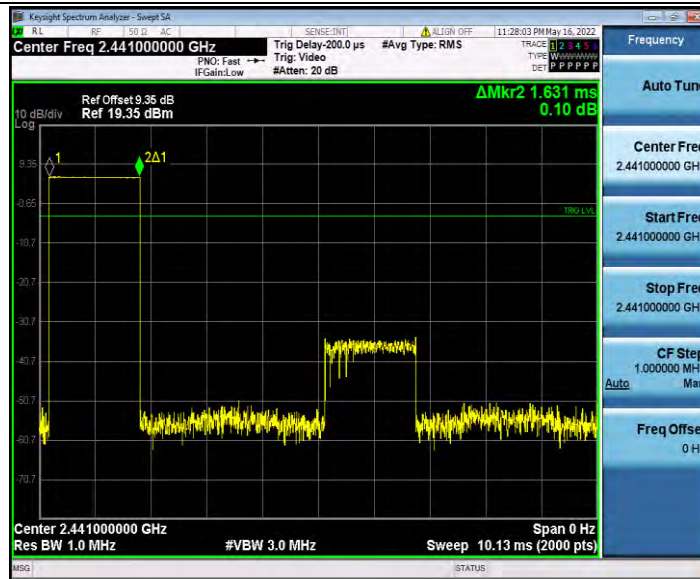
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	330	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.63	130	0.212	≤0.4	PASS
DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
2DH1	Ant1	Hop	0.38	330	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.64	160	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.88	100	0.288	≤0.4	PASS
3DH1	Ant1	Hop	0.38	320	0.122	≤0.4	PASS
3DH3	Ant1	Hop	1.64	150	0.245	≤0.4	PASS
3DH5	Ant1	Hop	2.89	130	0.375	≤0.4	PASS

Test Graphs

DH1_Ant1_Hop

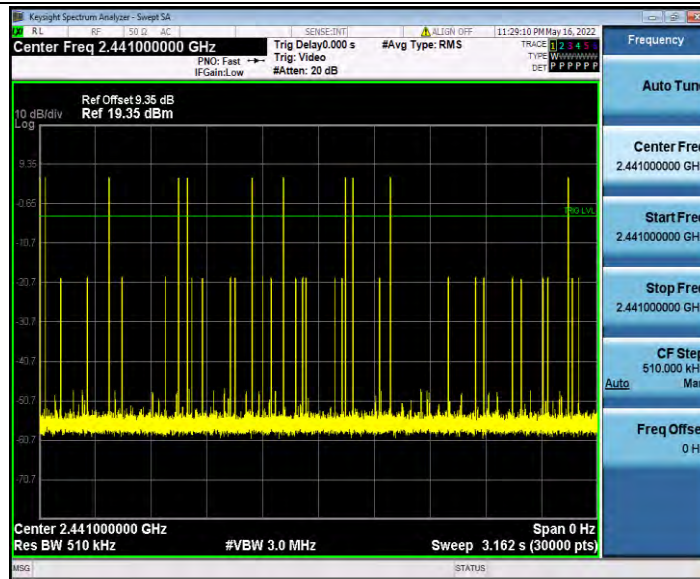


DH3_Ant1_Hop

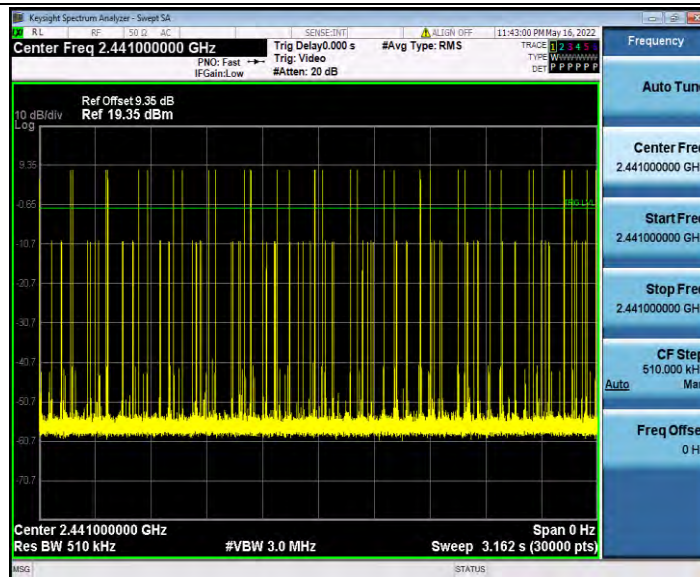
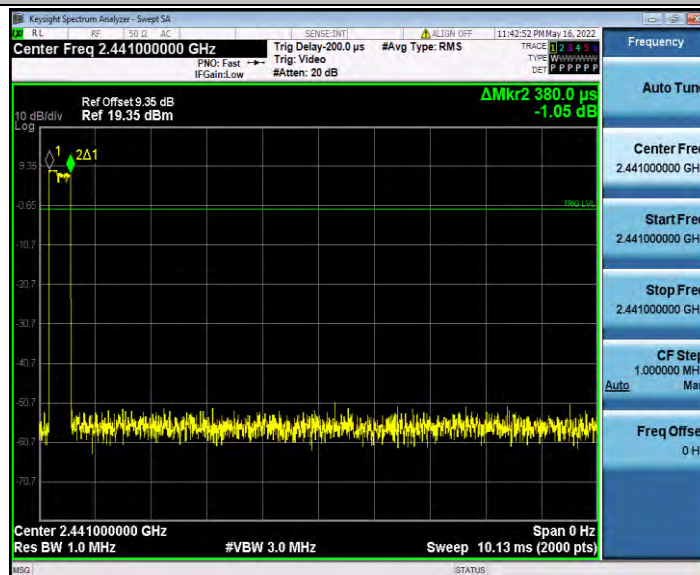


DH5_Ant1_Hop

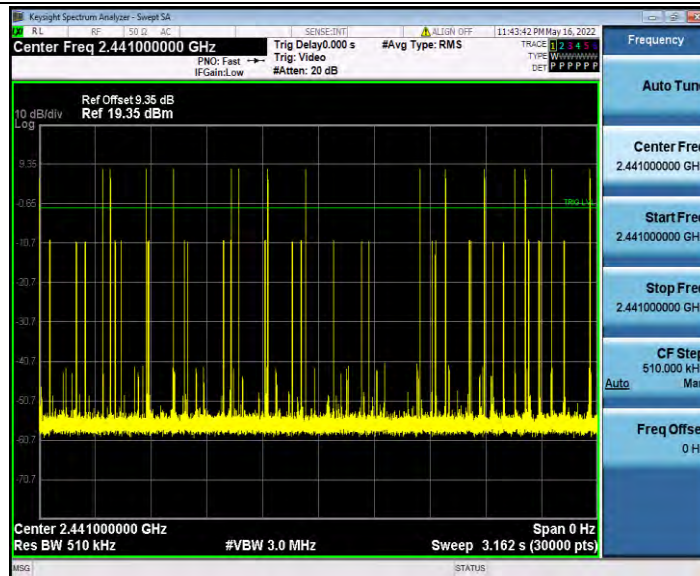
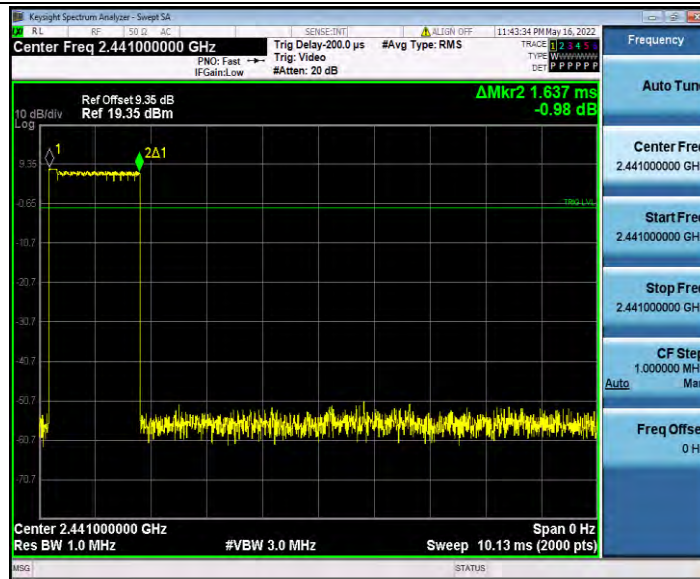




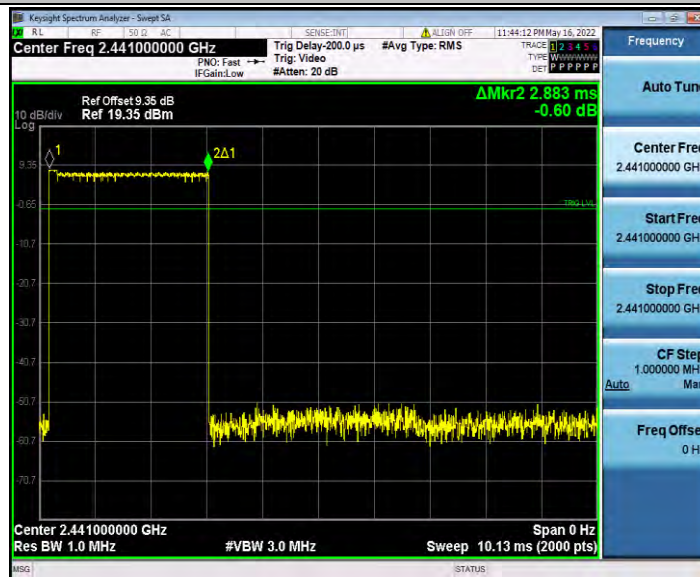
2DH1_Ant1_Hop

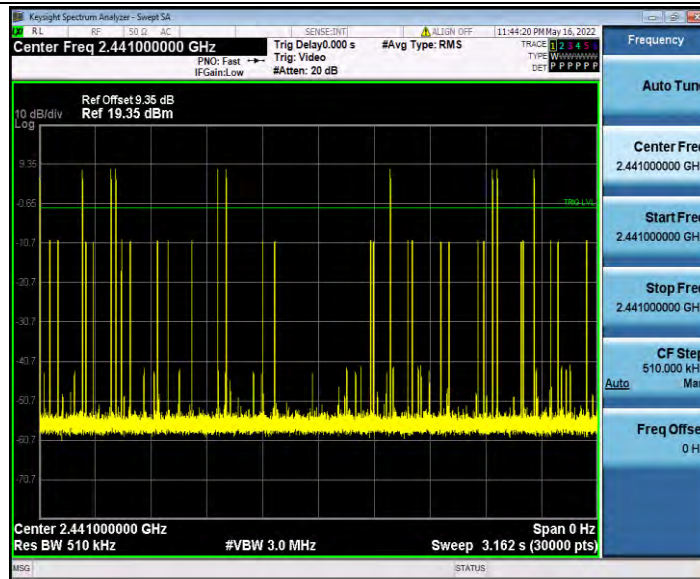


2DH3_Ant1_Hop

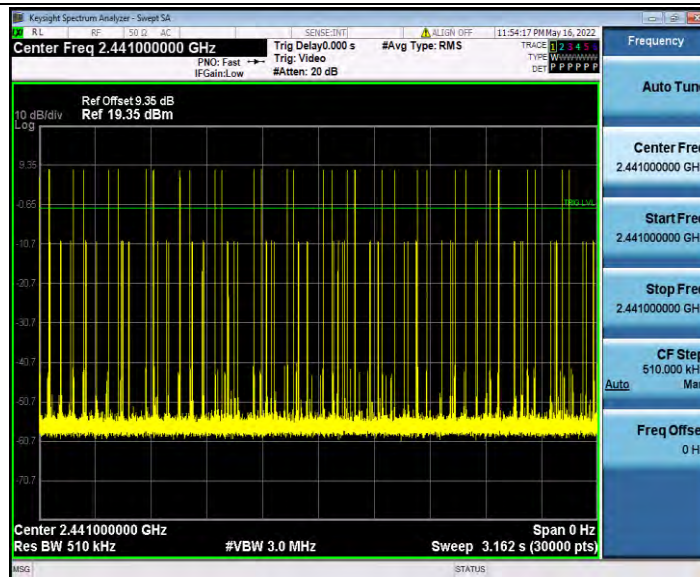
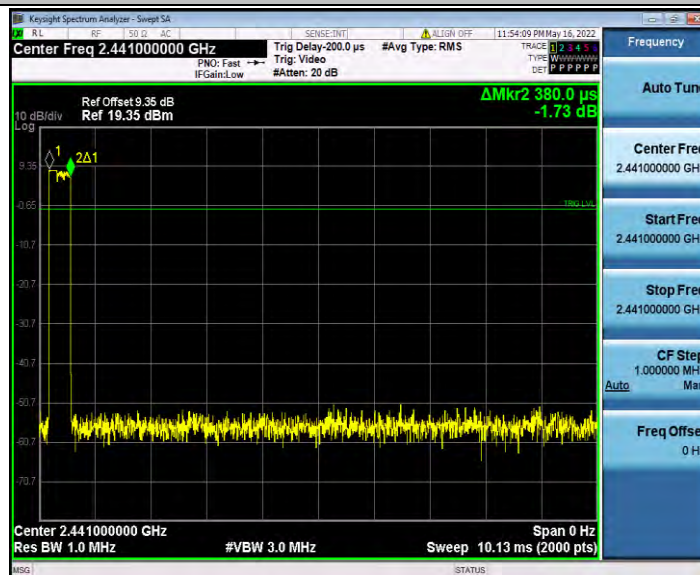


2DH5_Ant1_Hop

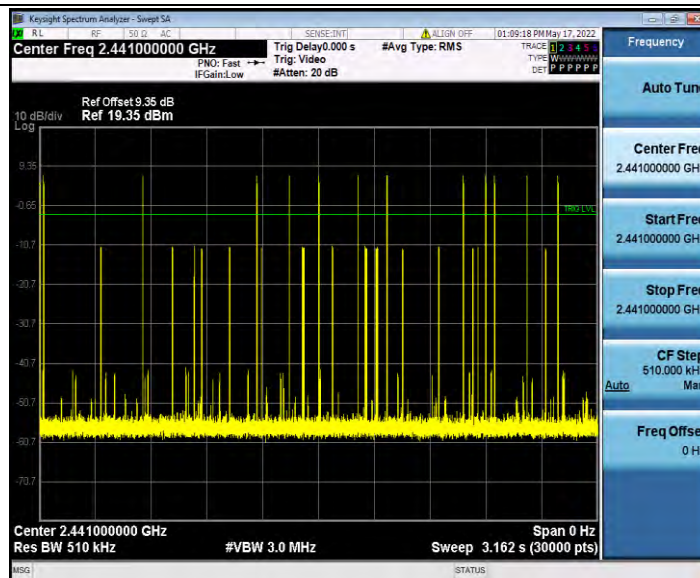




3DH1_Ant1_Hop



3DH3_Ant1_Hop



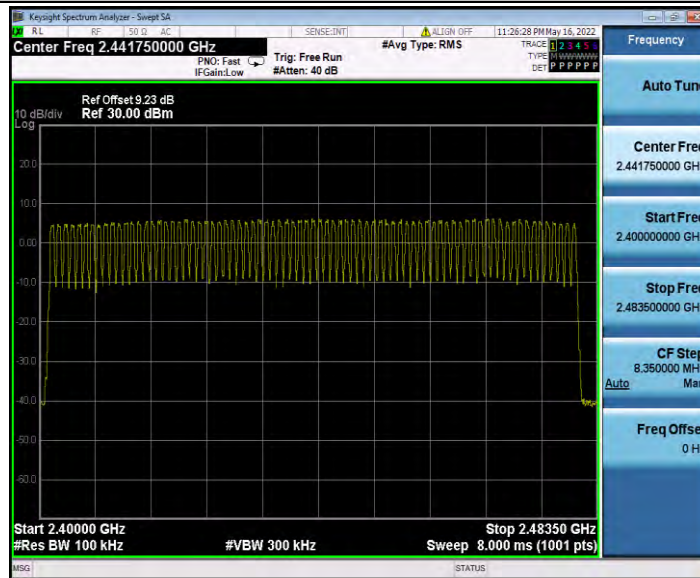
Appendix A.5: Number of hopping channels

Test Result

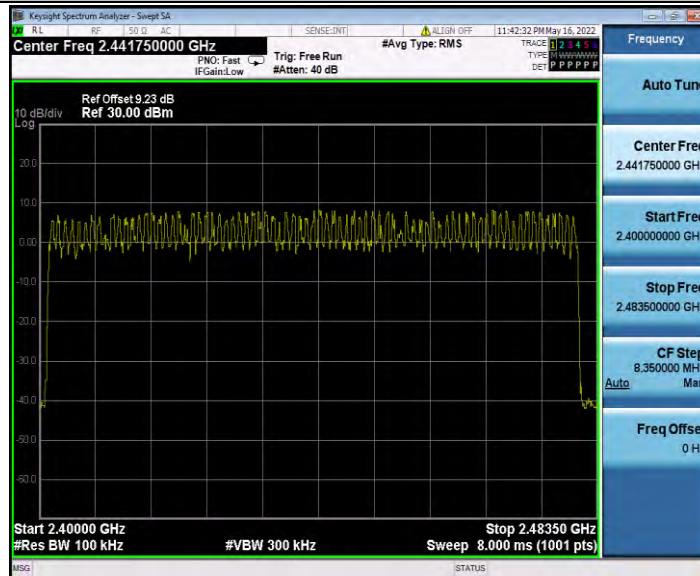
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

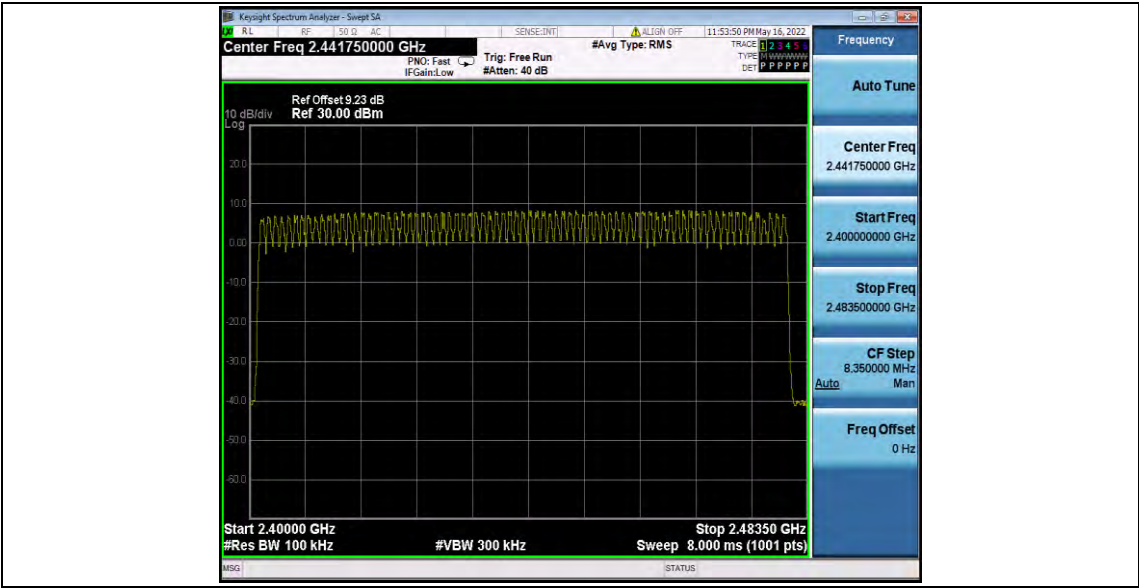
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



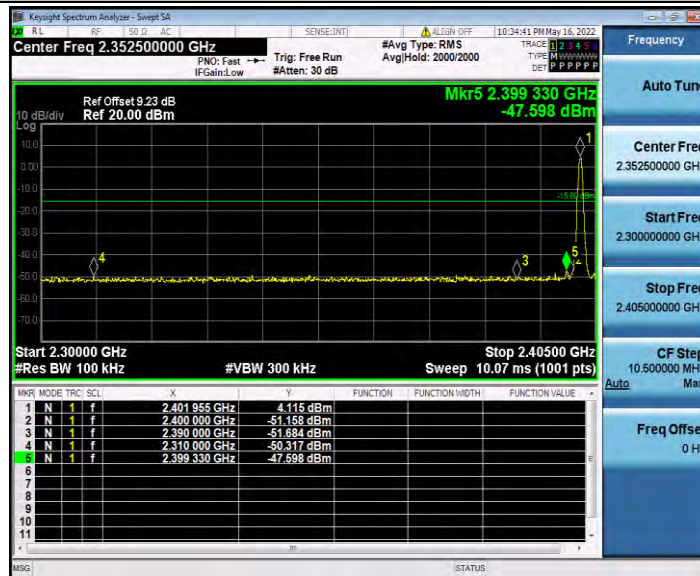
Appendix A.6: Band edge measurements

Test Result

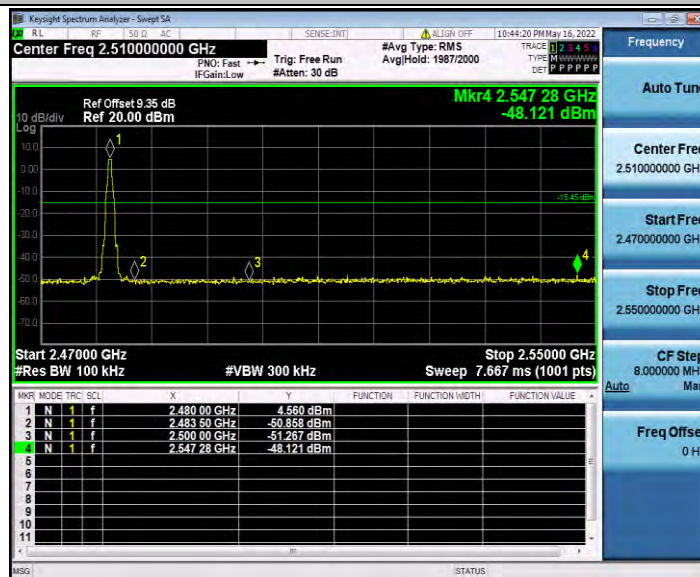
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	4.12	-47.6	≤-15.89	PASS
		High	2480	4.55	-48.12	≤-15.45	PASS
		Low	Hop_2402	4.34	-49.31	≤-15.67	PASS
		High	Hop_2480	5.62	-48.56	≤-14.38	PASS
2DH1	Ant1	Low	2402	1.82	-47.57	≤-18.18	PASS
		High	2480	2.39	-48.42	≤-17.61	PASS
		Low	Hop_2402	6.34	-49.23	≤-13.66	PASS
		High	Hop_2480	8.10	-48.48	≤-11.9	PASS
3DH1	Ant1	Low	2402	2.05	-46.47	≤-17.95	PASS
		High	2480	2.57	-48.48	≤-17.43	PASS
		Low	Hop_2402	6.67	-49.07	≤-13.33	PASS
		High	Hop_2480	7.99	-48.47	≤-12.01	PASS

Test Graphs

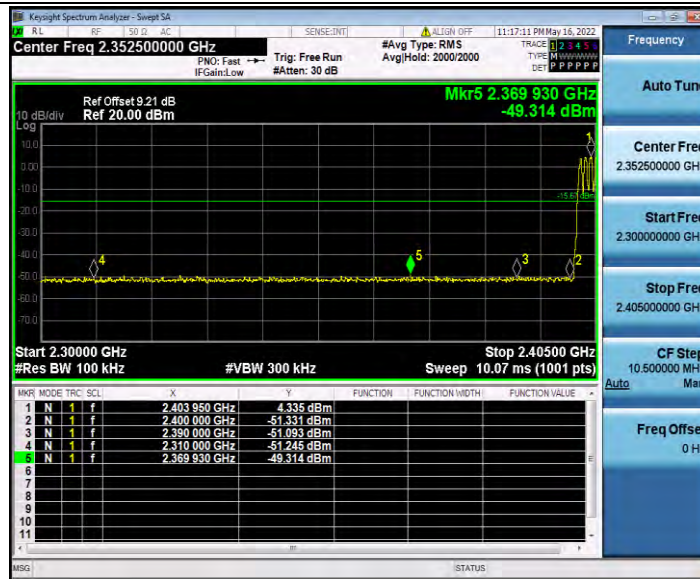
DH1_Ant1_Low_2402



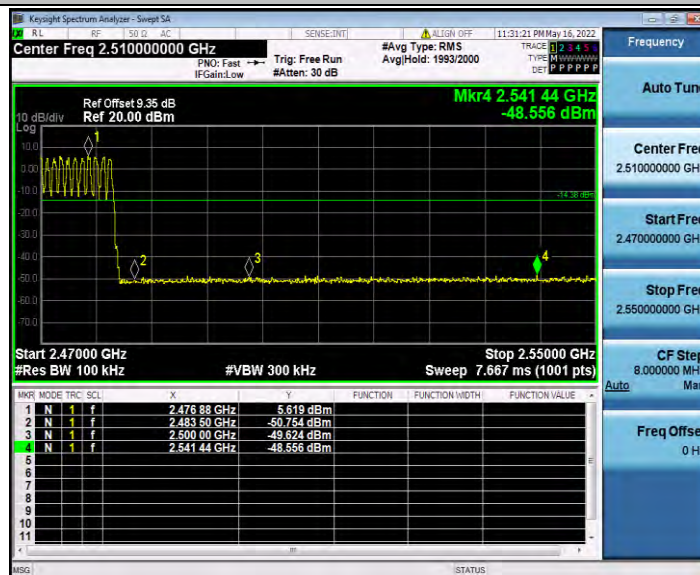
DH1_Ant1_High_2480



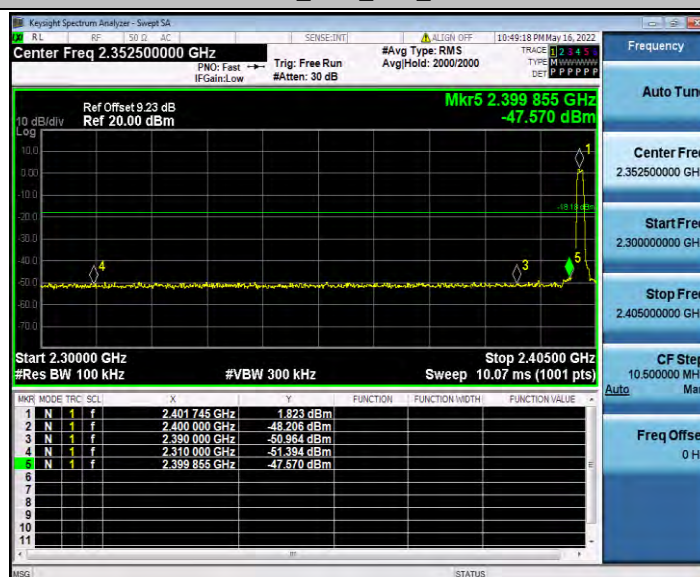
DH1_Ant1_Low_Hop_2402



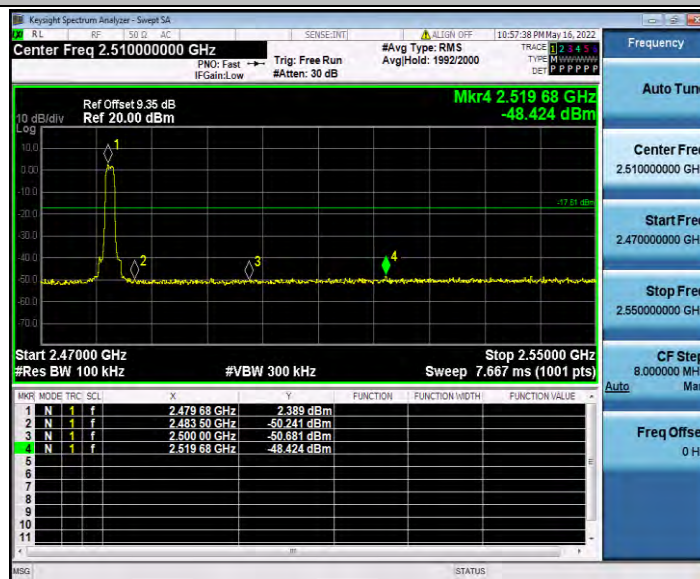
DH1_Ant1_High_Hop_2480



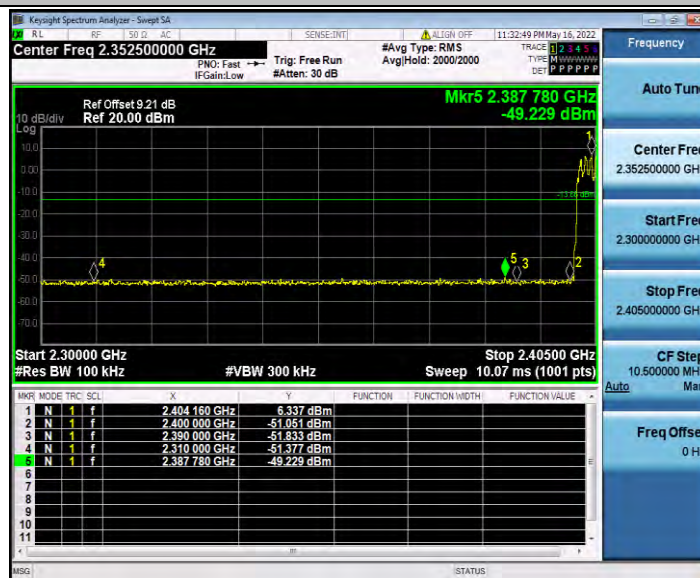
2DH1_Ant1_Low_2402



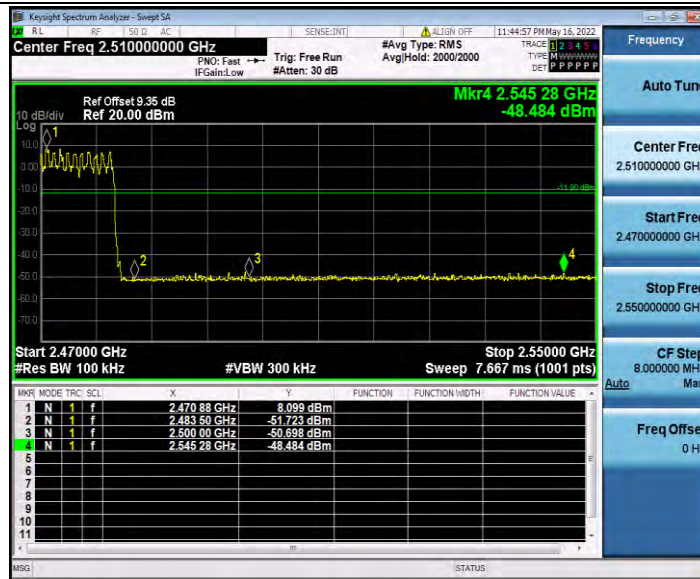
2DH1_Ant1_High_2480



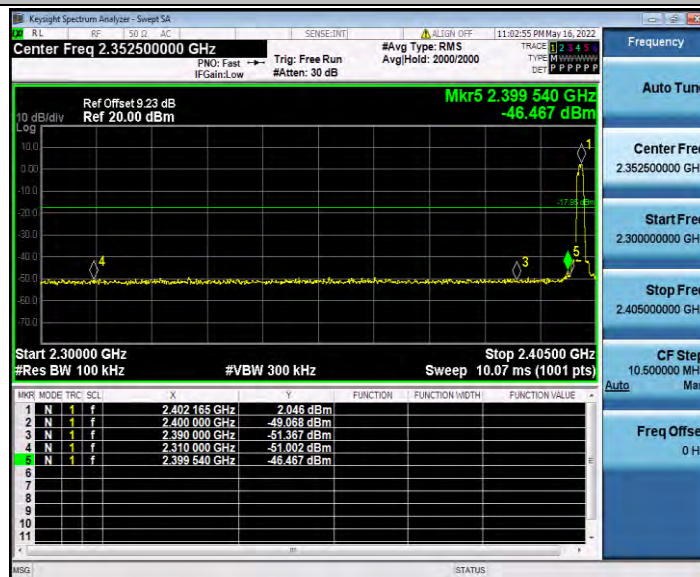
2DH1_Ant1_Low_Hop_2402



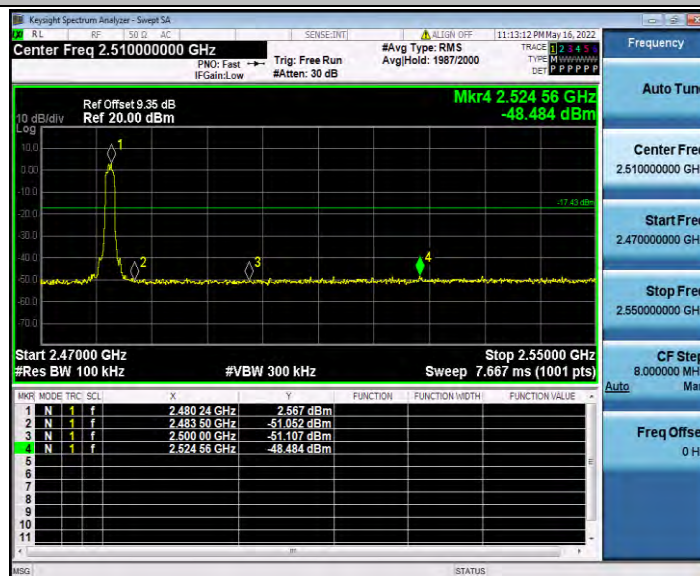
2DH1_Ant1_High_Hop_2480



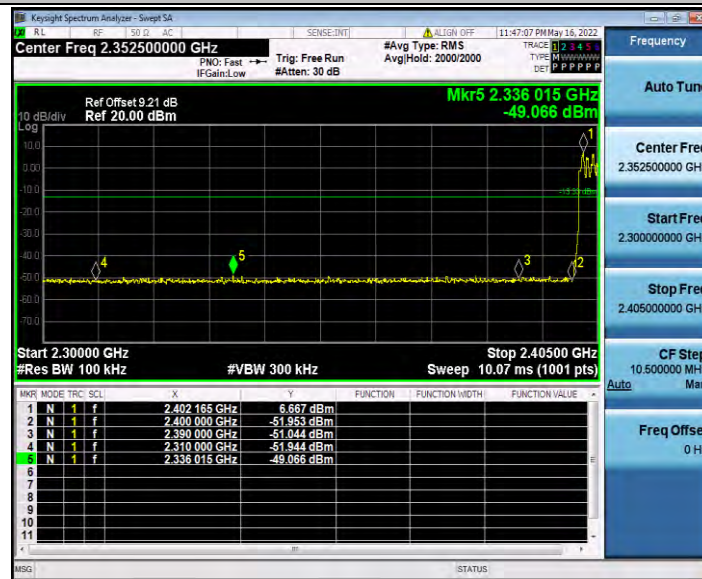
3DH1_Ant1_Low_2402



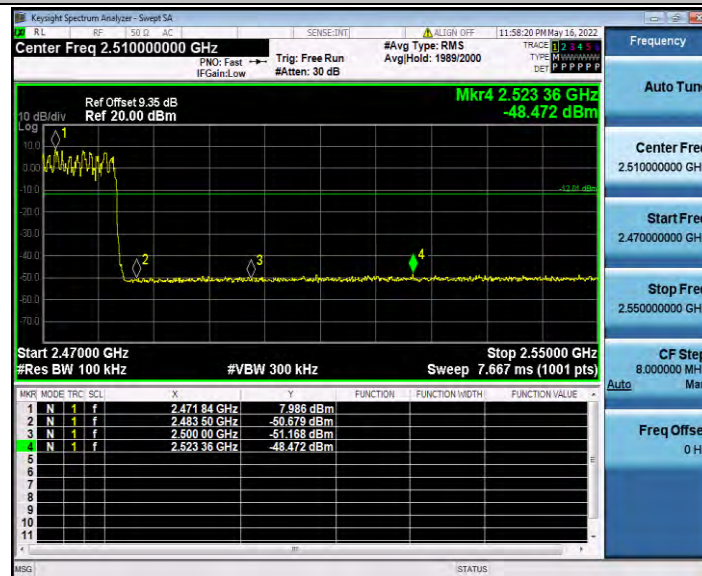
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.7: Conducted Spurious Emission

Test Result

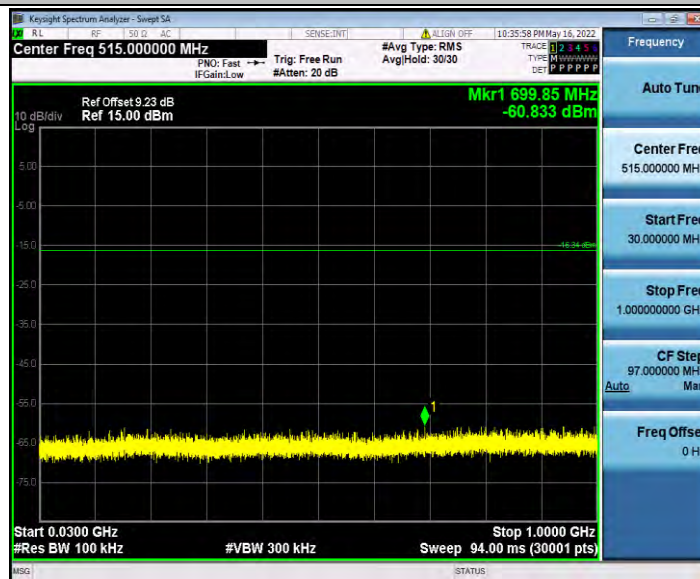
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	3.66	3.66	---	PASS
			30~1000	3.66	-60.83	≤-16.34	PASS
			1000~26500	3.66	-47.15	≤-16.34	PASS
		2441	Reference	-11.18	-11.18	---	PASS
			30~1000	-11.18	-60.73	≤-31.18	PASS
			1000~26500	-11.18	-46.76	≤-31.18	PASS
		2480	Reference	4.03	4.03	---	PASS
			30~1000	4.03	-60.46	≤-15.97	PASS
			1000~26500	4.03	-47.52	≤-15.97	PASS
2DH1	Ant1	2402	Reference	1.60	1.60	---	PASS
			30~1000	1.60	-60.75	≤-18.4	PASS
			1000~26500	1.60	-46.93	≤-18.4	PASS
		2441	Reference	2.86	2.86	---	PASS
			30~1000	2.86	-60.04	≤-17.14	PASS
			1000~26500	2.86	-47.67	≤-17.14	PASS
		2480	Reference	2.15	2.15	---	PASS
			30~1000	2.15	-60.54	≤-17.85	PASS
			1000~26500	2.15	-47.98	≤-17.85	PASS
3DH1	Ant1	2402	Reference	1.62	1.62	---	PASS
			30~1000	1.62	-60.52	≤-18.38	PASS
			1000~26500	1.62	-47.59	≤-18.38	PASS
		2441	Reference	2.95	2.95	---	PASS
			30~1000	2.95	-60.09	≤-17.05	PASS
			1000~26500	2.95	-47.61	≤-17.05	PASS
		2480	Reference	2.08	2.08	---	PASS
			30~1000	2.08	-59.5	≤-17.92	PASS
			1000~26500	2.08	-47.78	≤-17.92	PASS

Test Graphs

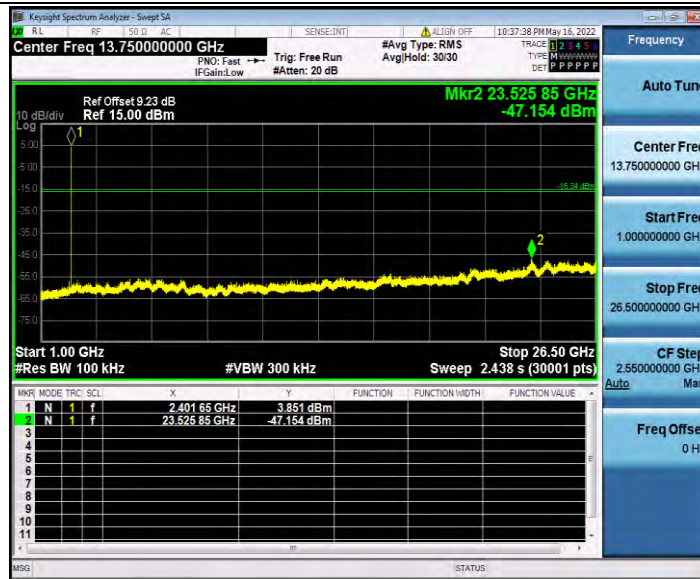
DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



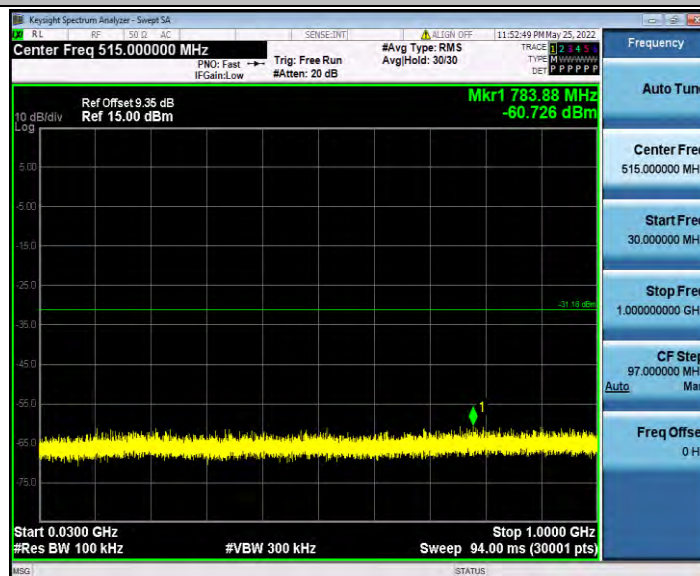
DH1_Ant1_2402_1000~26500



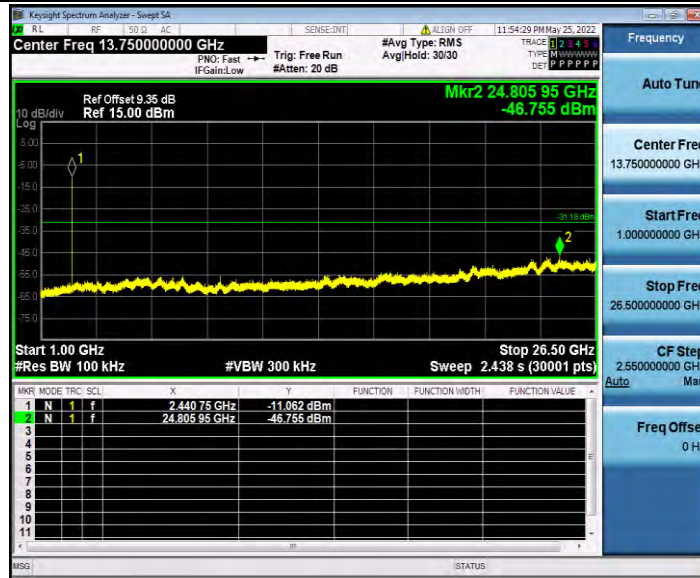
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



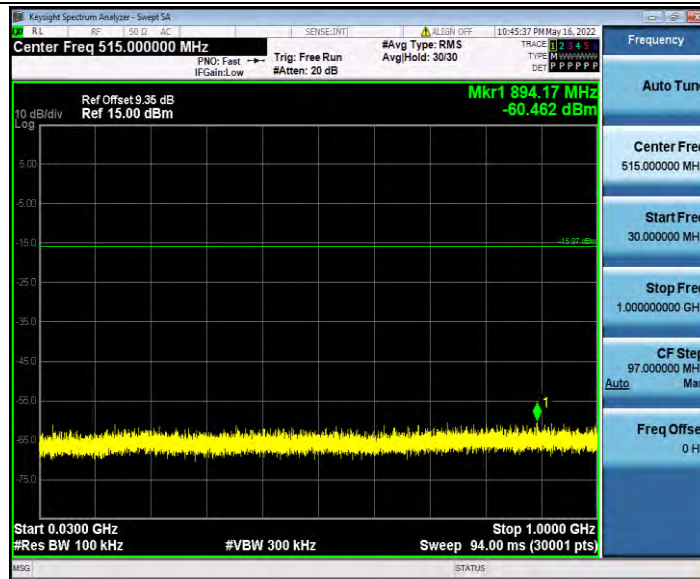
DH1_Ant1_2441_1000~26500



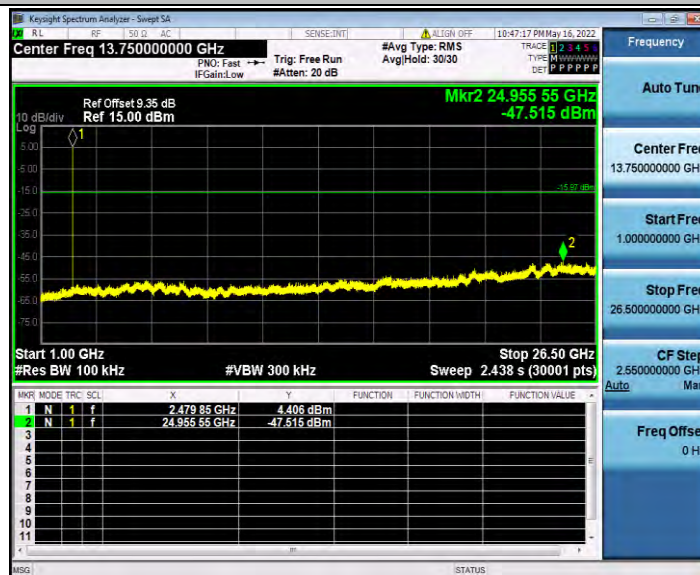
DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



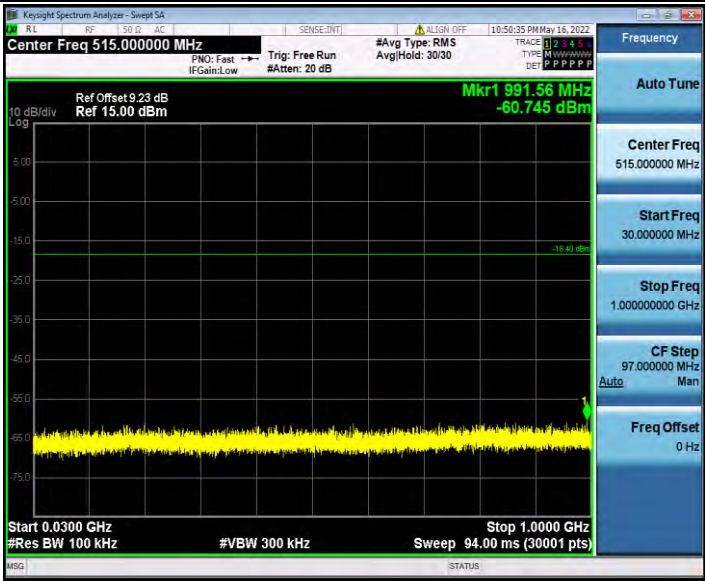
DH1_Ant1_2480_1000~26500



2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



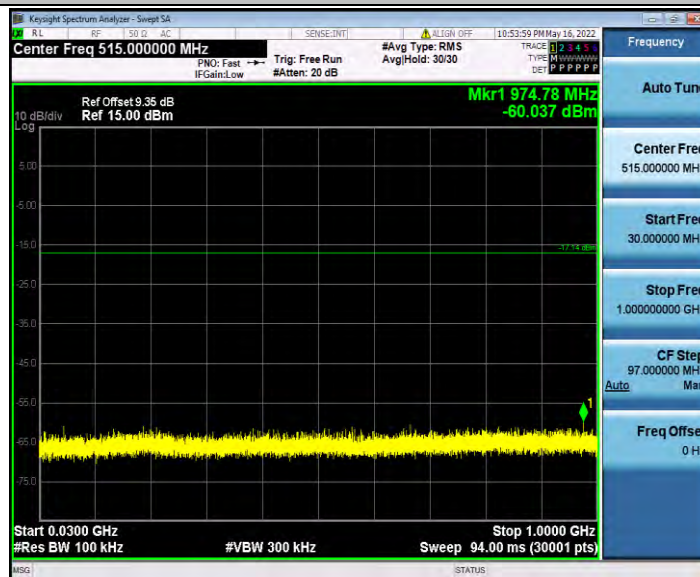
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



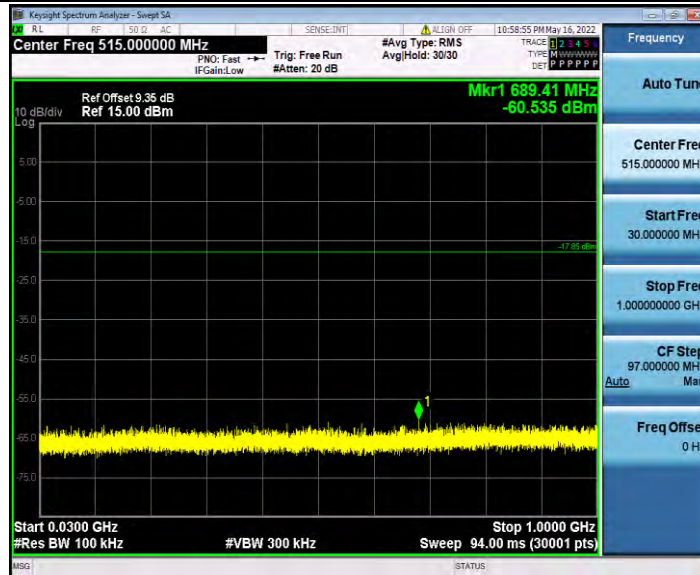
2DH1_Ant1_2441_1000~26500



2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



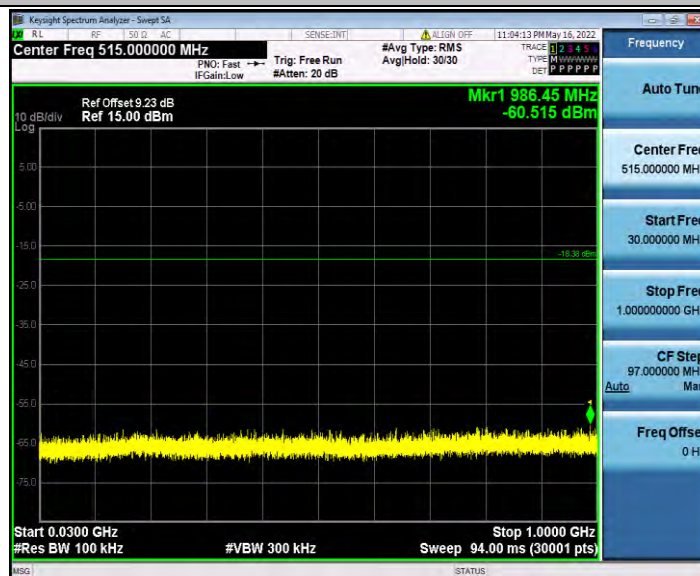
2DH1_Ant1_2480_1000~26500



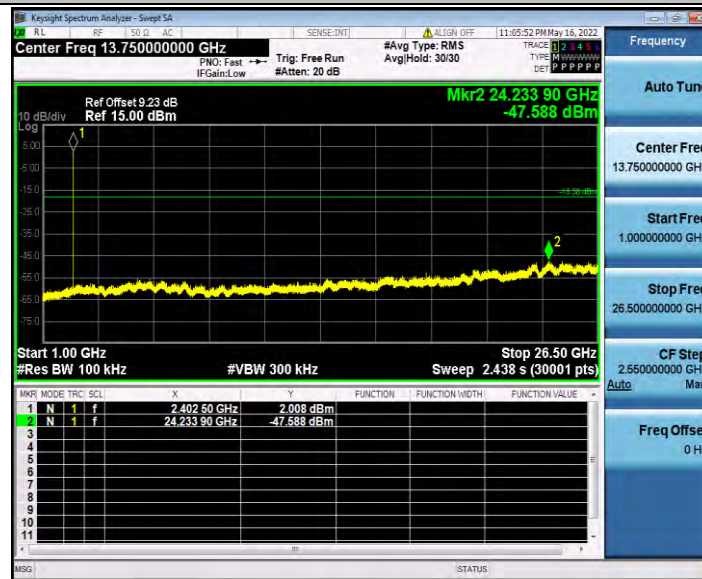
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



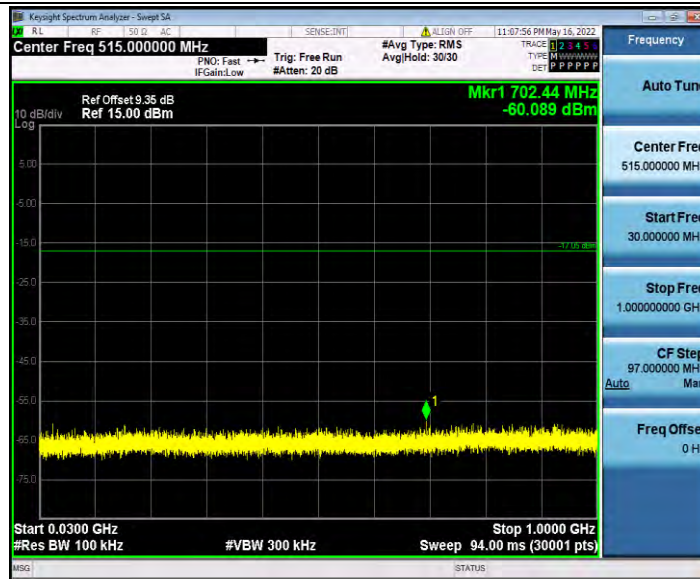
3DH1_Ant1_2402_1000~26500



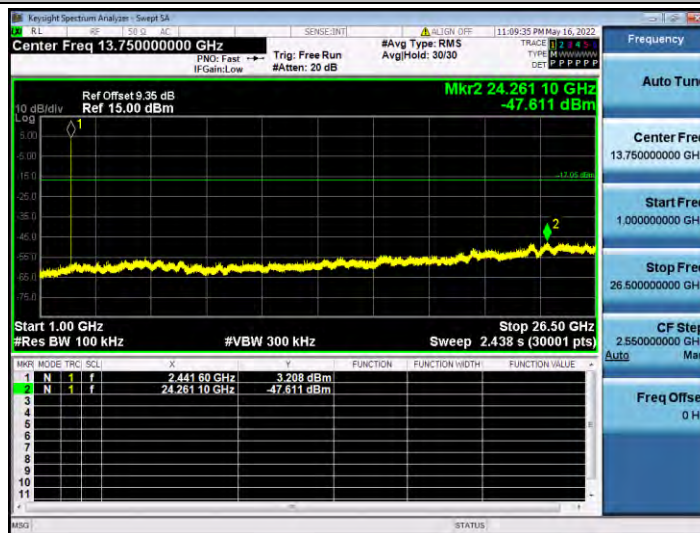
3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000

