

Case No. : GTS20220510015-1-1	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.5.26	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	0.810	2401.565	2402.375	---	---
		2441	0.825	2440.565	2441.390	---	---
		2480	0.729	2479.646	2480.375	---	---
2DH1	Ant1	2402	1.122	2401.430	2402.552	---	---
		2441	1.122	2440.430	2441.552	---	---
		2480	1.122	2479.430	2480.552	---	---
3DH1	Ant1	2402	1.158	2401.430	2402.588	---	---
		2441	1.161	2440.421	2441.582	---	---
		2480	1.116	2479.463	2480.579	---	---

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	0.81054	2401.587	2402.398	---	---
		2441	0.80381	2440.590	2441.394	---	---
		2480	0.81331	2479.584	2480.397	---	---
2DH1	Ant1	2402	1.0474	2401.470	2402.517	---	---
		2441	1.0435	2440.470	2441.514	---	---
		2480	1.0501	2479.467	2480.517	---	---
3DH1	Ant1	2402	1.0738	2401.459	2402.532	---	---
		2441	1.0837	2440.453	2441.537	---	---
		2480	1.0801	2479.457	2480.537	---	---

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	1.000	≥ 0.825	PASS
		Hop_2441	1.004	≥ 0.825	PASS
		Hop_2480	1.012	≥ 0.825	PASS
2DH1	Ant1	Hop_2402	0.994	≥ 0.748	PASS
		Hop_2441	1.004	≥ 0.748	PASS
		Hop_2480	0.990	≥ 0.748	PASS
3DH1	Ant1	Hop_2402	0.996	≥ 0.774	PASS
		Hop_2441	1.008	≥ 0.774	PASS
		Hop_2480	0.994	≥ 0.774	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



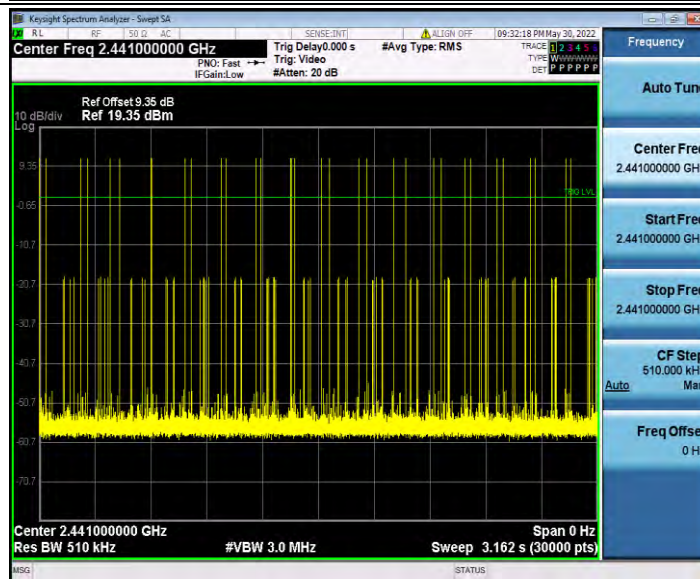
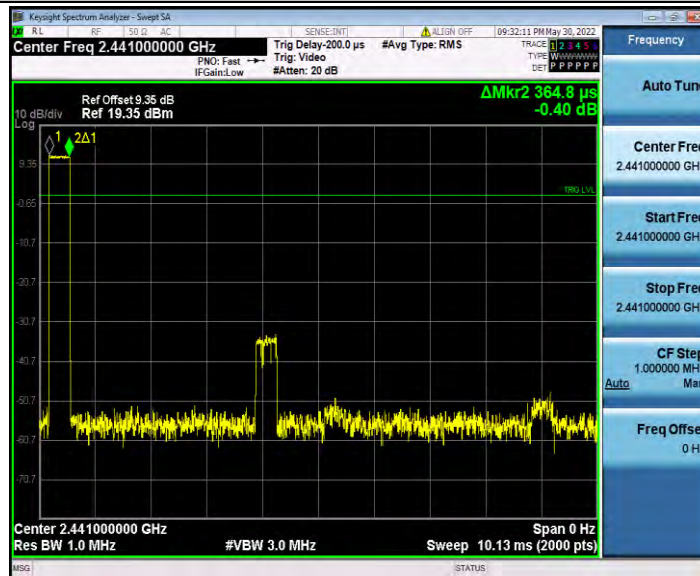
Appendix A.4: Time of occupancy

Test Result

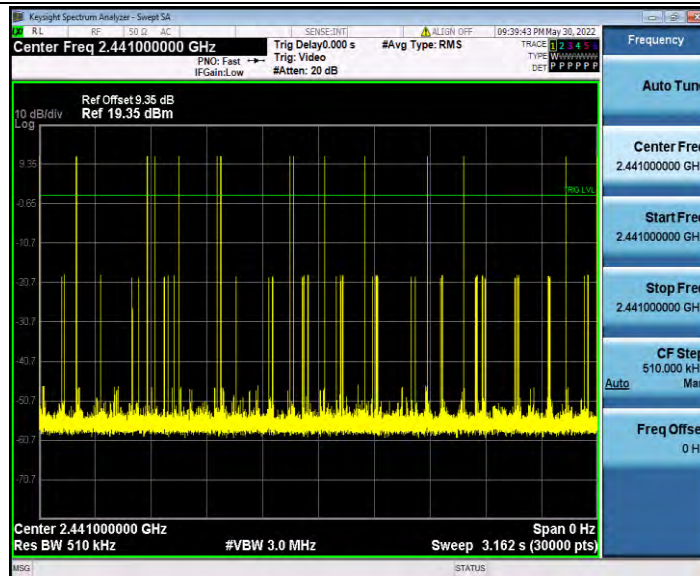
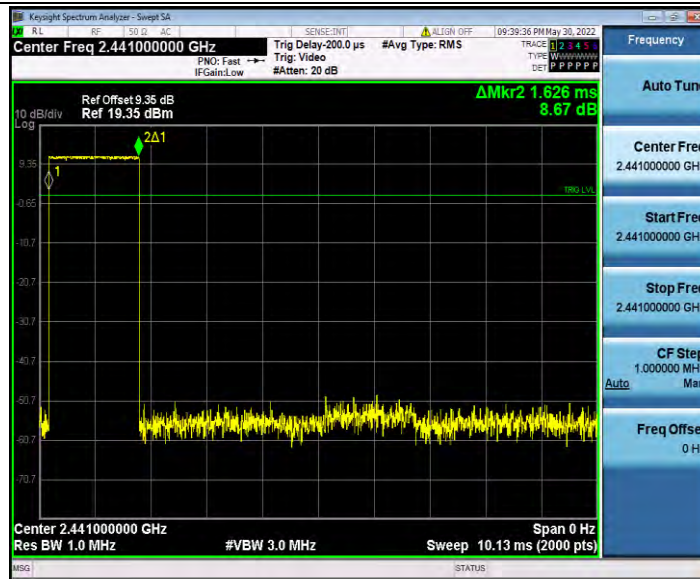
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.36	320	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.63	150	0.244	≤0.4	PASS
DH5	Ant1	Hop	2.87	120	0.345	≤0.4	PASS
2DH1	Ant1	Hop	0.38	330	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.63	160	0.26	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
3DH1	Ant1	Hop	0.37	330	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.63	180	0.294	≤0.4	PASS
3DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

Test Graphs

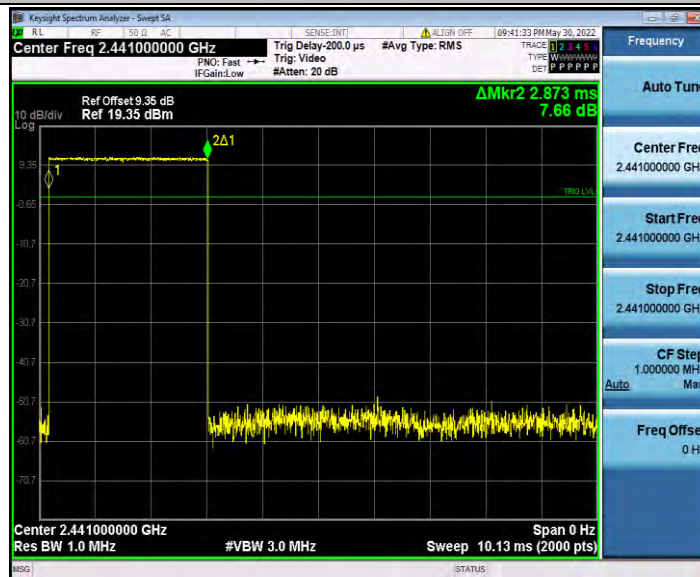
DH1_Ant1_Hop

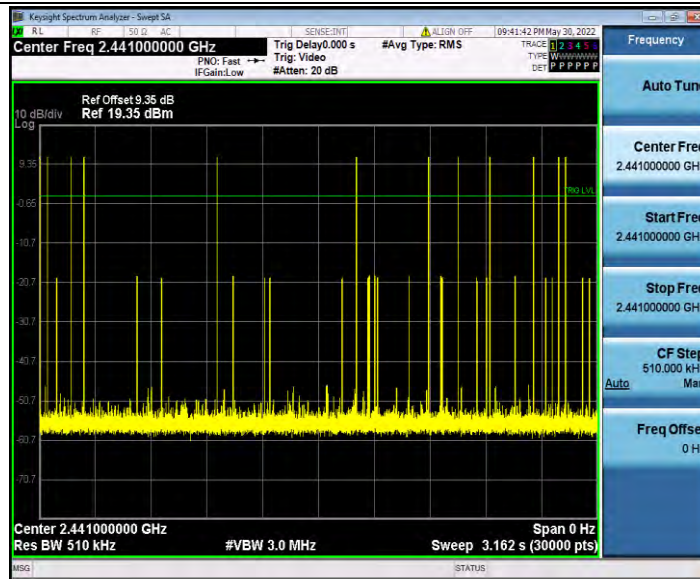


DH3_Ant1_Hop

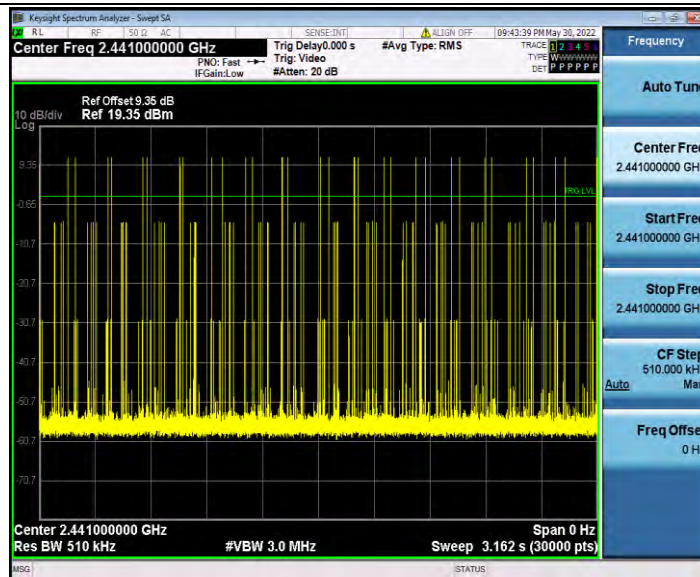
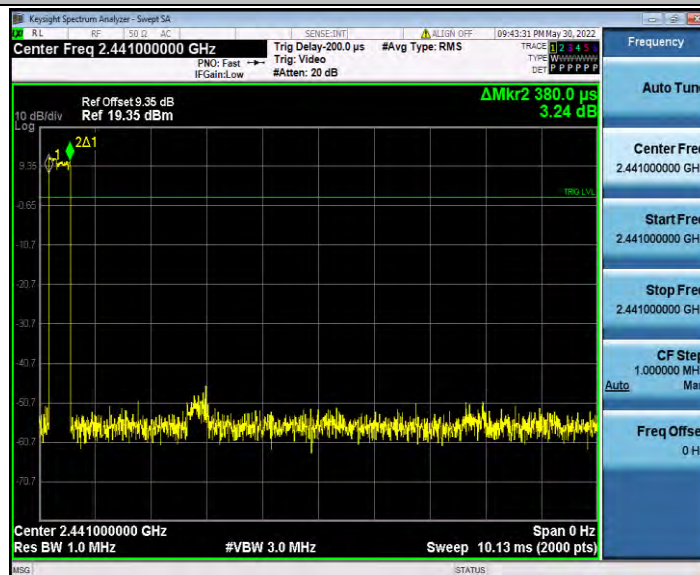


DH5_Ant1_Hop

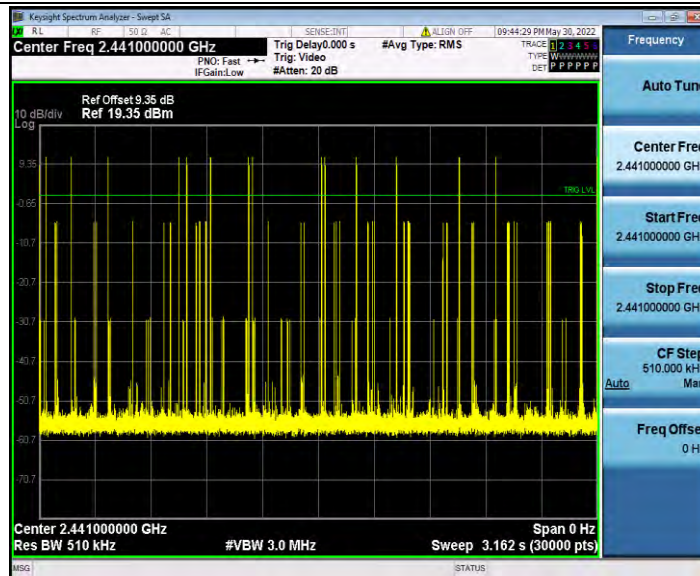
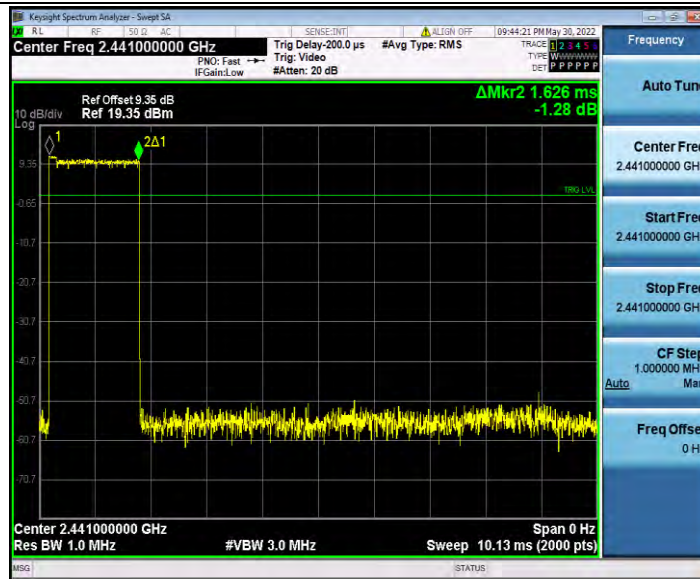




2DH1_Ant1_Hop

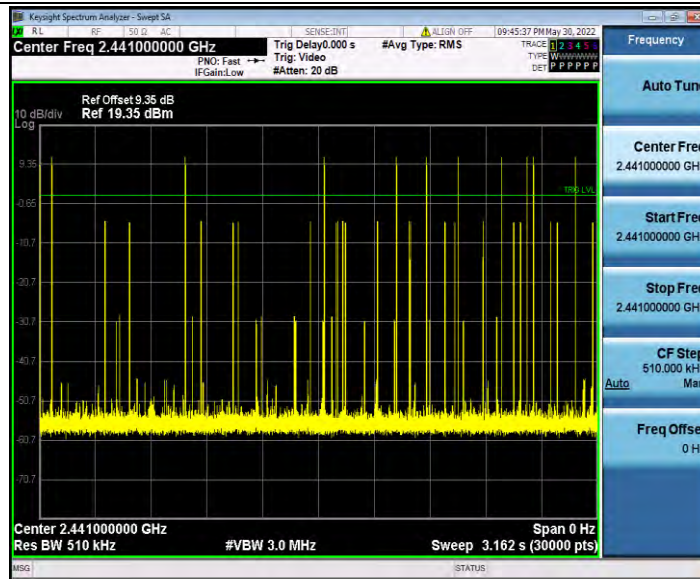


2DH3_Ant1_Hop

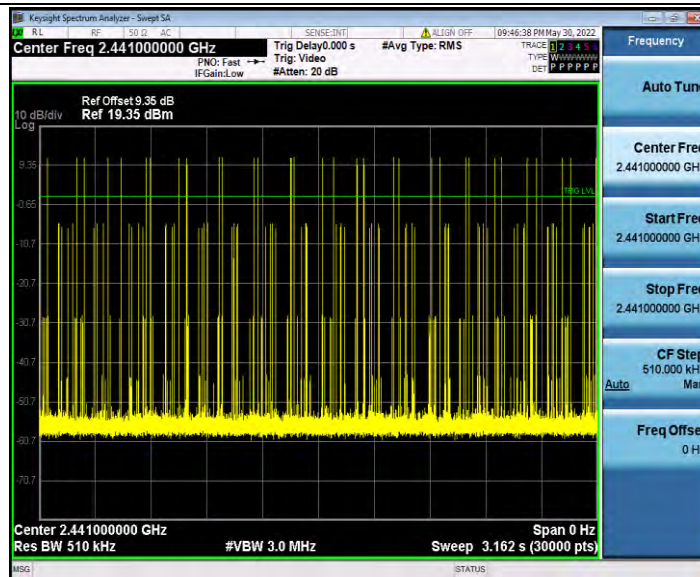
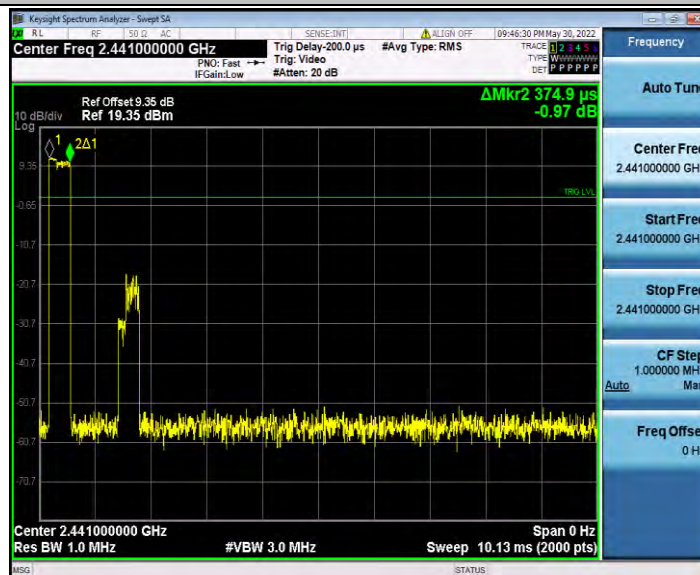


2DH5_Ant1_Hop

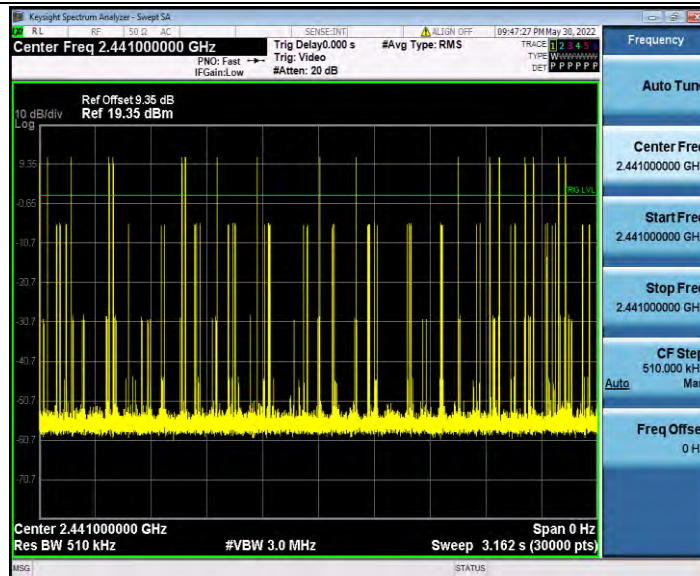
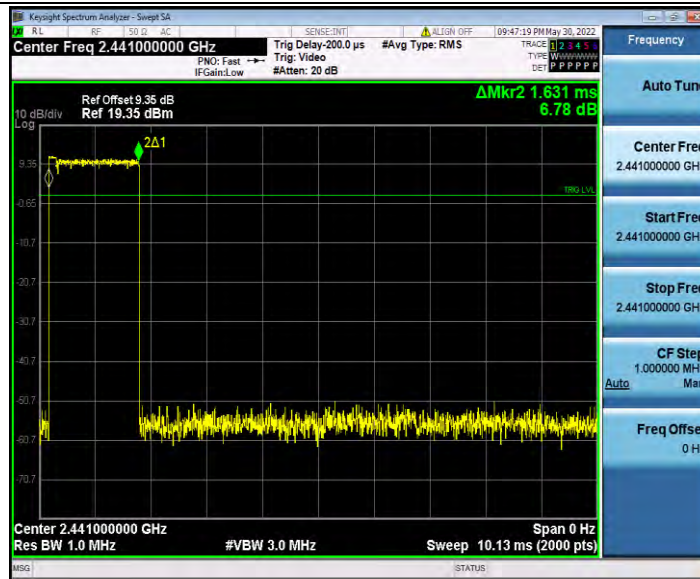




3DH1_Ant1_Hop

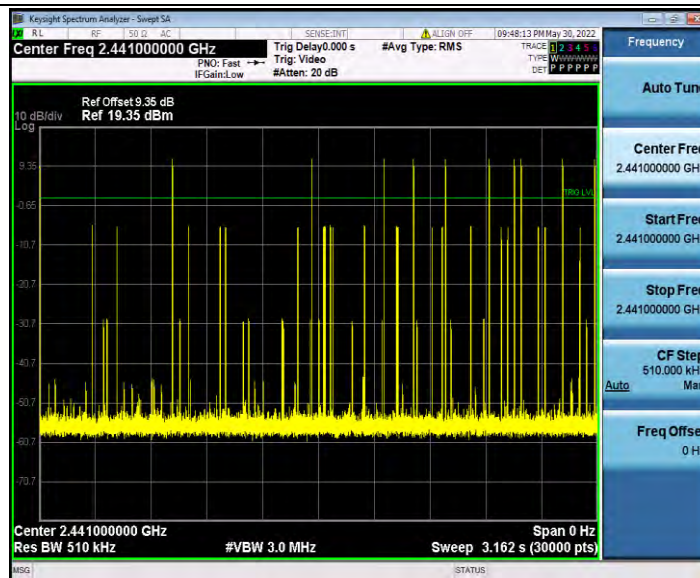


3DH3_Ant1_Hop



3DH5_Ant1_Hop





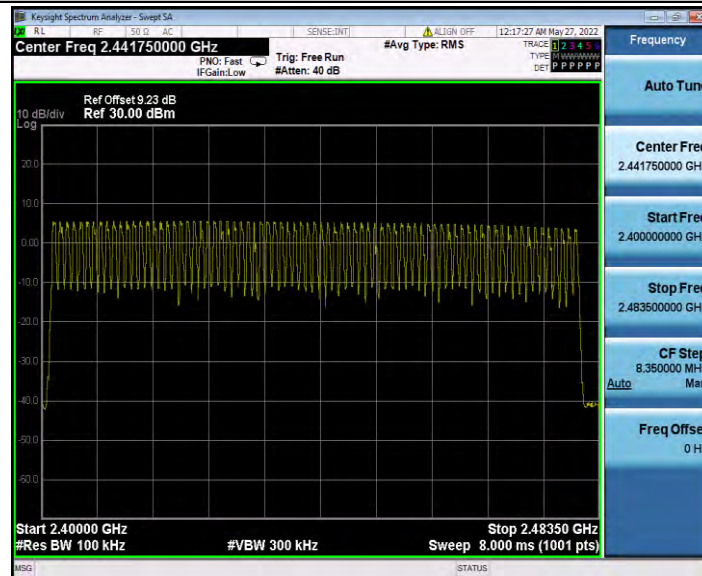
Appendix A.5: Number of hopping channels

Test Result

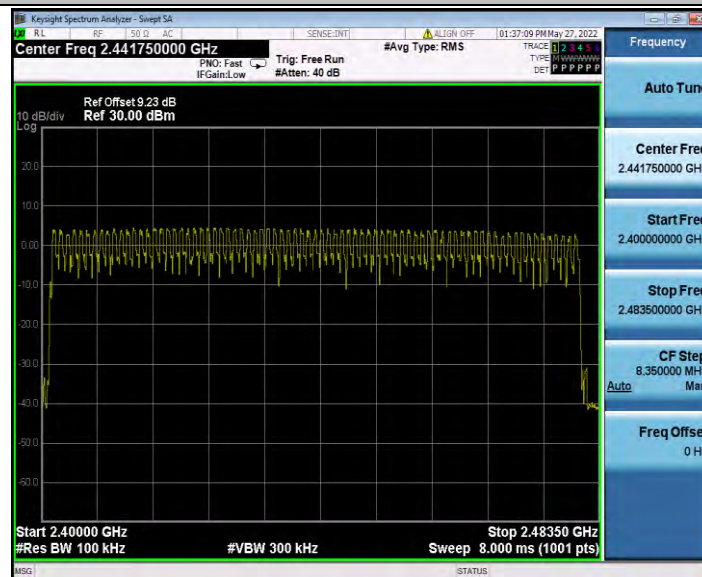
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

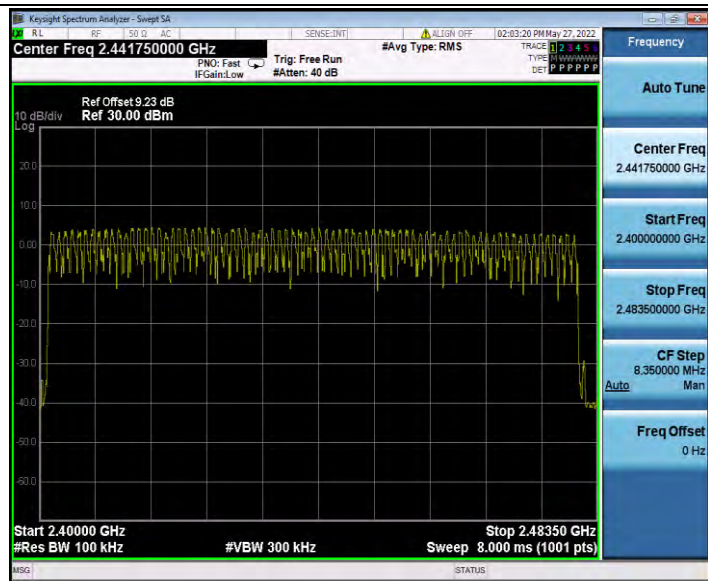
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



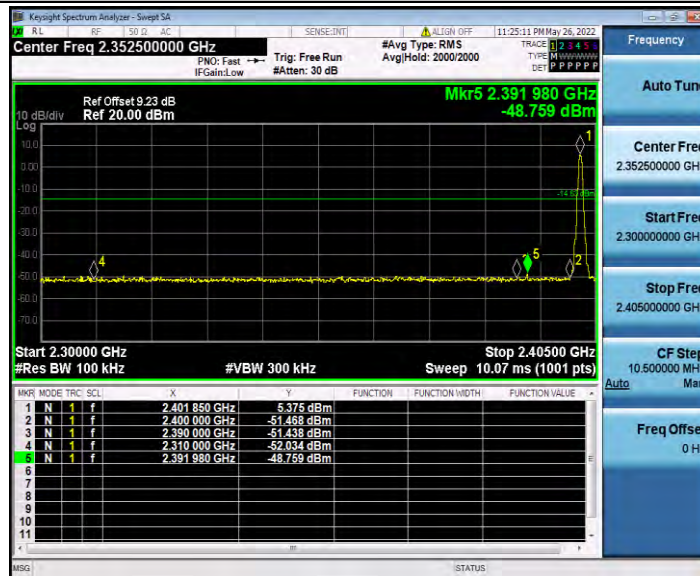
Appendix A.6: Band edge measurements

Test Result

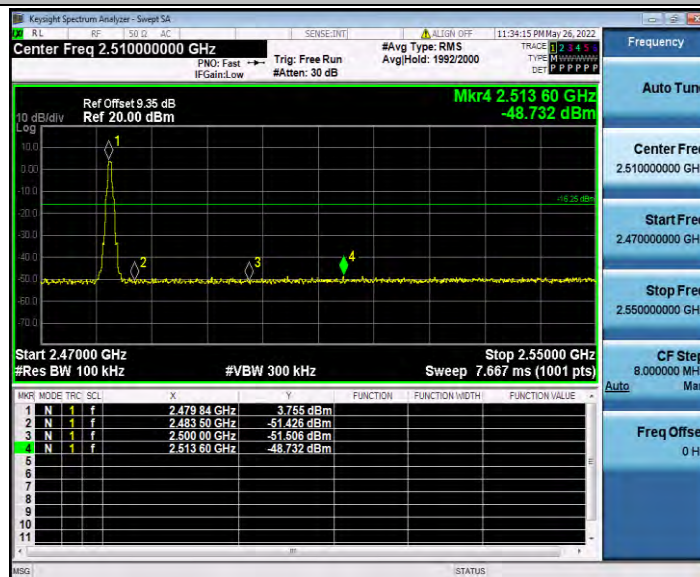
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	5.38	-48.76	≤-14.63	PASS
		High	2480	3.76	-48.73	≤-16.25	PASS
		Low	Hop_2402	5.28	-49.29	≤-14.72	PASS
		High	Hop_2480	4.37	-48.19	≤-15.63	PASS
2DH1	Ant1	Low	2402	3.80	-49.08	≤-16.21	PASS
		High	2480	2.65	-48.61	≤-17.35	PASS
		Low	Hop_2402	3.89	-49.68	≤-16.11	PASS
		High	Hop_2480	2.89	-48.23	≤-17.11	PASS
3DH1	Ant1	Low	2402	3.87	-49.31	≤-16.13	PASS
		High	2480	2.56	-47.64	≤-17.44	PASS
		Low	Hop_2402	3.98	-49.32	≤-16.02	PASS
		High	Hop_2480	3.20	-48.46	≤-16.8	PASS

Test Graphs

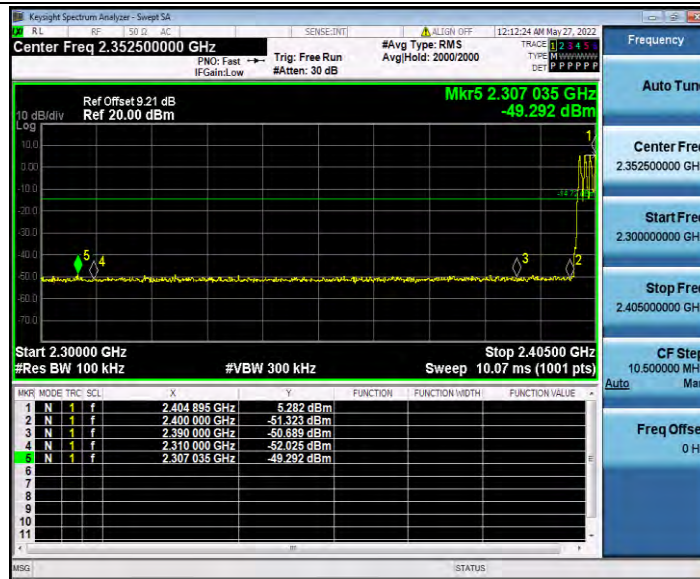
DH1_Ant1_Low_2402



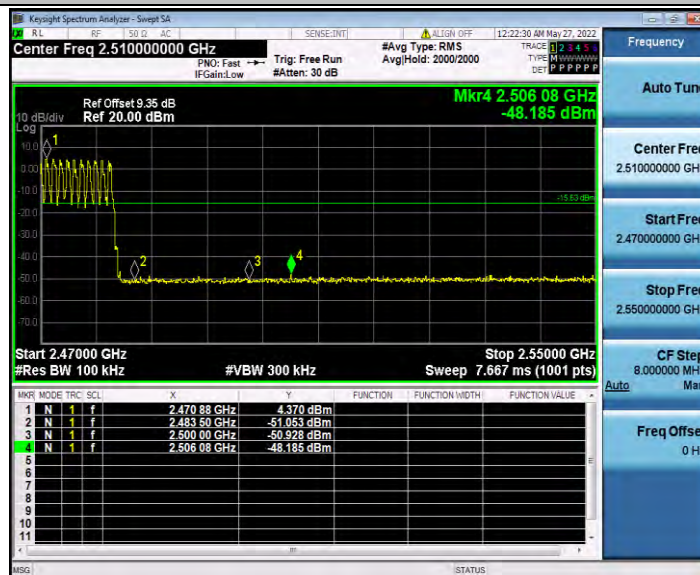
DH1_Ant1_High_2480



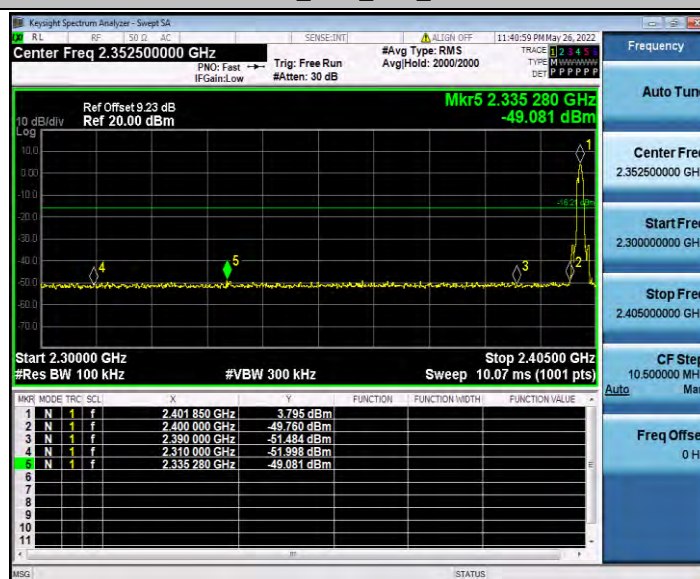
DH1_Ant1_Low_Hop_2402



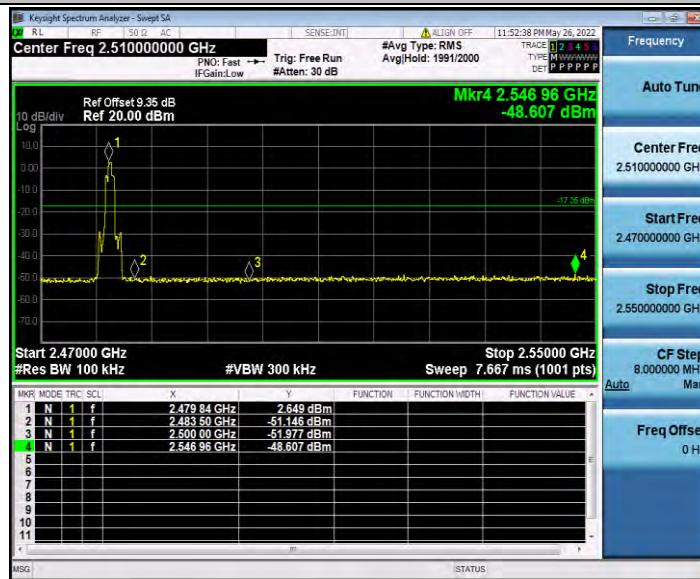
DH1_Ant1_High_Hop_2480



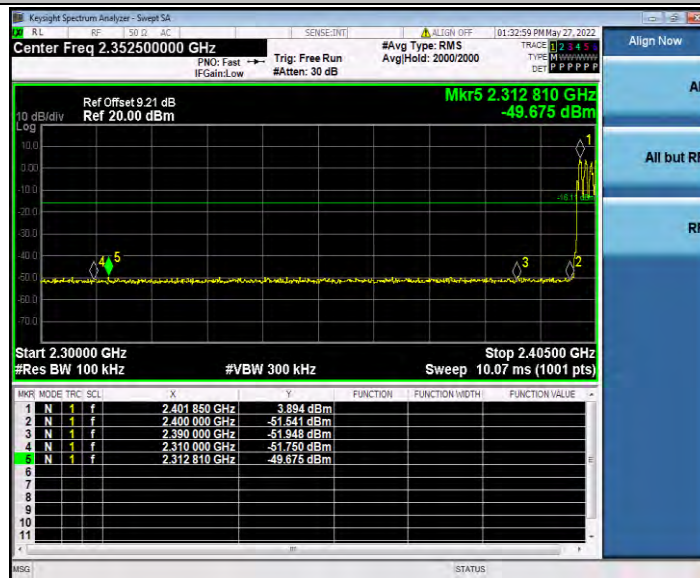
2DH1_Ant1_Low_2402



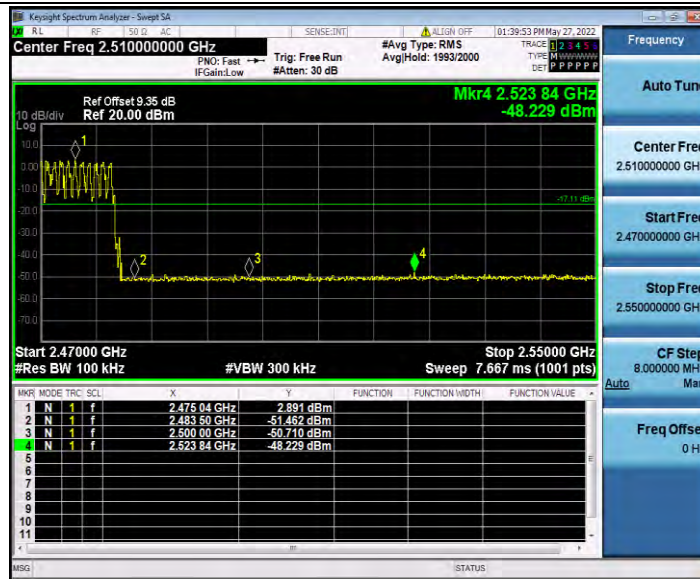
2DH1_Ant1_High_2480



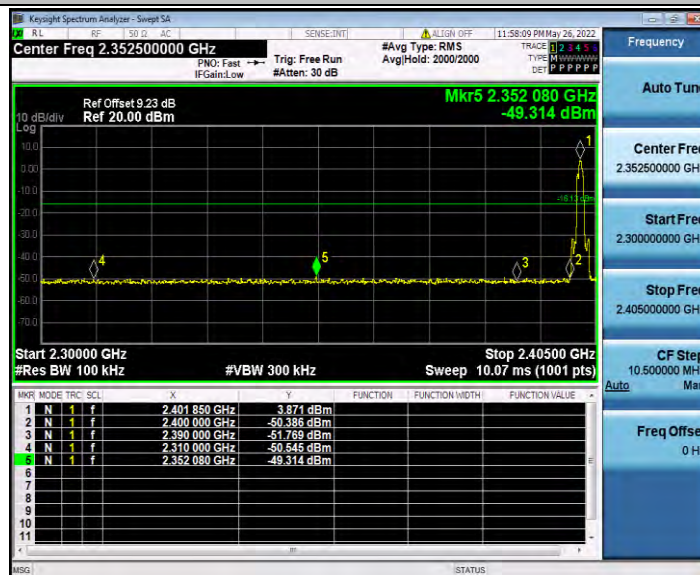
2DH1_Ant1_Low_Hop_2402



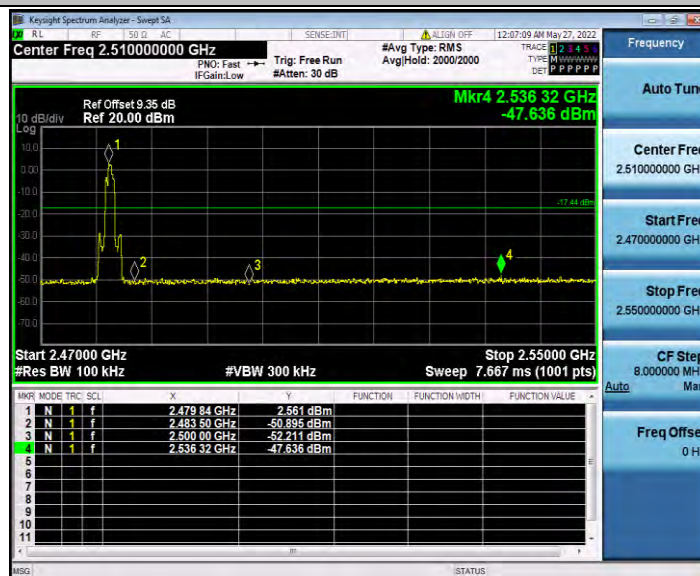
2DH1_Ant1_High_Hop_2480



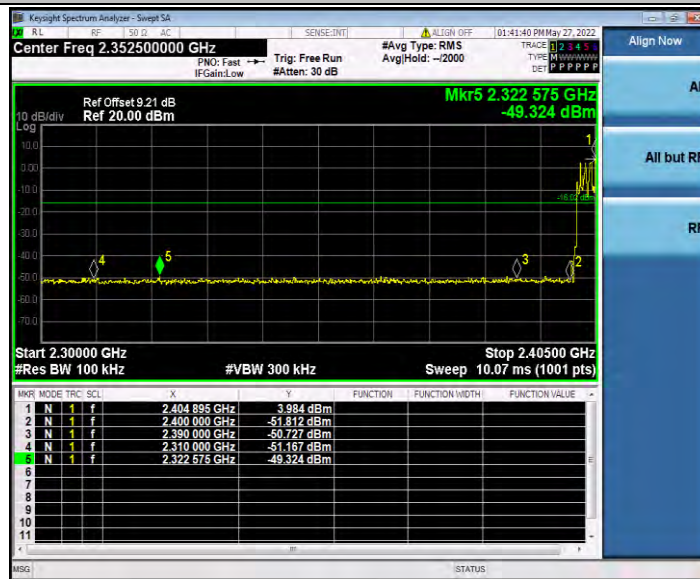
3DH1_Ant1_Low_2402



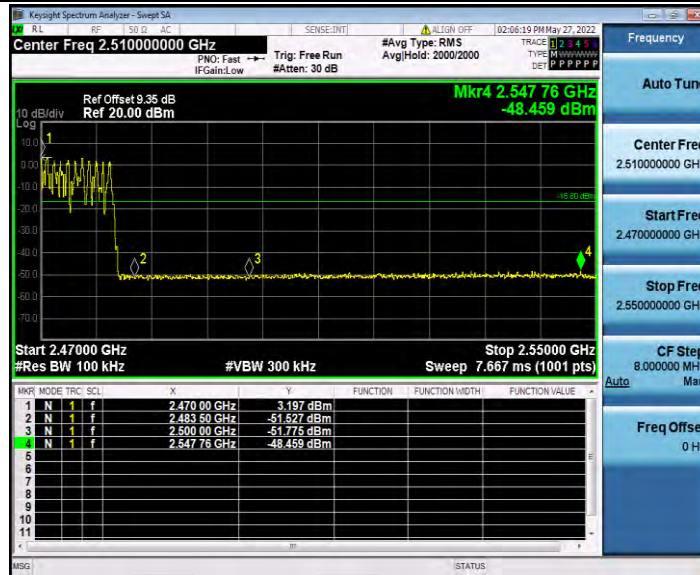
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.7: Conducted Spurious Emission

Test Result

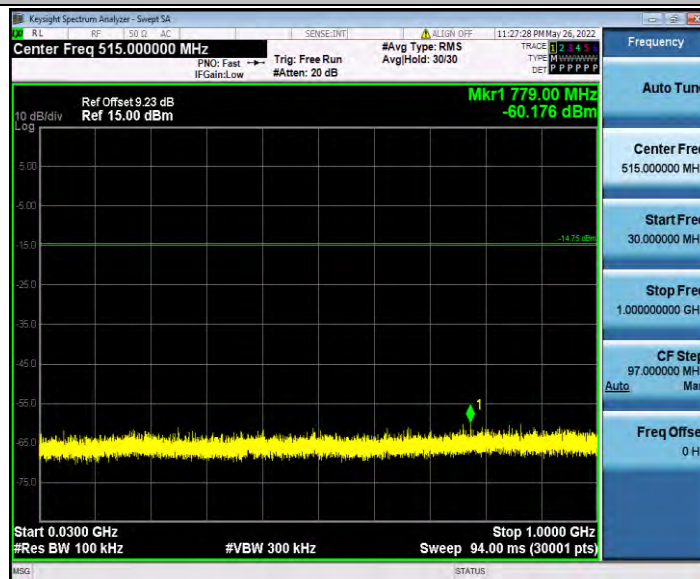
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	5.25	5.25	---	PASS
			30~1000	5.25	-60.18	≤-14.75	PASS
			1000~26500	5.25	-47.02	≤-14.75	PASS
		2441	Reference	5.30	5.30	---	PASS
			30~1000	5.30	-60.01	≤-14.7	PASS
			1000~26500	5.30	-46.93	≤-14.7	PASS
		2480	Reference	3.63	3.63	---	PASS
			30~1000	3.63	-60.06	≤-16.37	PASS
			1000~26500	3.63	-47.16	≤-16.37	PASS
2DH1	Ant1	2402	Reference	3.60	3.60	---	PASS
			30~1000	3.60	-59.55	≤-16.4	PASS
			1000~26500	3.60	-47.63	≤-16.4	PASS
		2441	Reference	3.95	3.95	---	PASS
			30~1000	3.95	-60.15	≤-16.05	PASS
			1000~26500	3.95	-47.73	≤-16.05	PASS
		2480	Reference	2.42	2.42	---	PASS
			30~1000	2.42	-60.31	≤-17.58	PASS
			1000~26500	2.42	-47.27	≤-17.58	PASS
3DH1	Ant1	2402	Reference	2.94	2.94	---	PASS
			30~1000	2.94	-60.37	≤-17.06	PASS
			1000~26500	2.94	-47.46	≤-17.06	PASS
		2441	Reference	3.75	3.75	---	PASS
			30~1000	3.75	-55.01	≤-16.25	PASS
			1000~26500	3.75	-47.8	≤-16.25	PASS
		2480	Reference	1.59	1.59	---	PASS
			30~1000	1.59	-58.28	≤-18.41	PASS
			1000~26500	1.59	-47.88	≤-18.41	PASS

Test Graphs

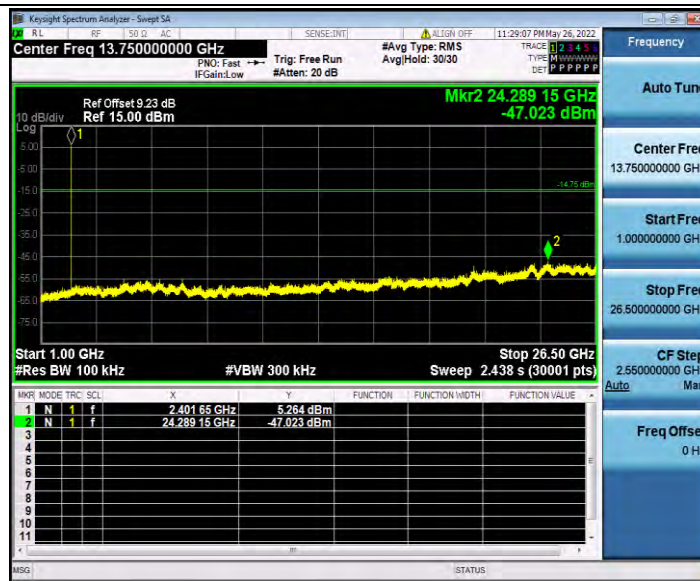
DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



DH1_Ant1_2402_1000~26500



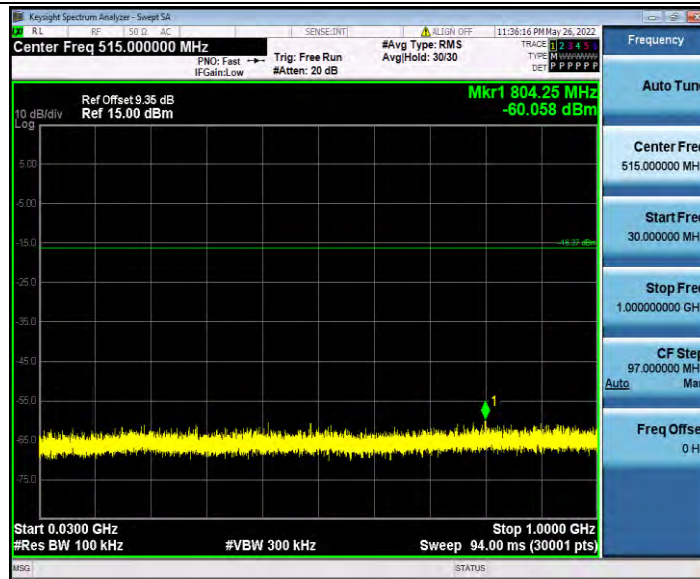
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



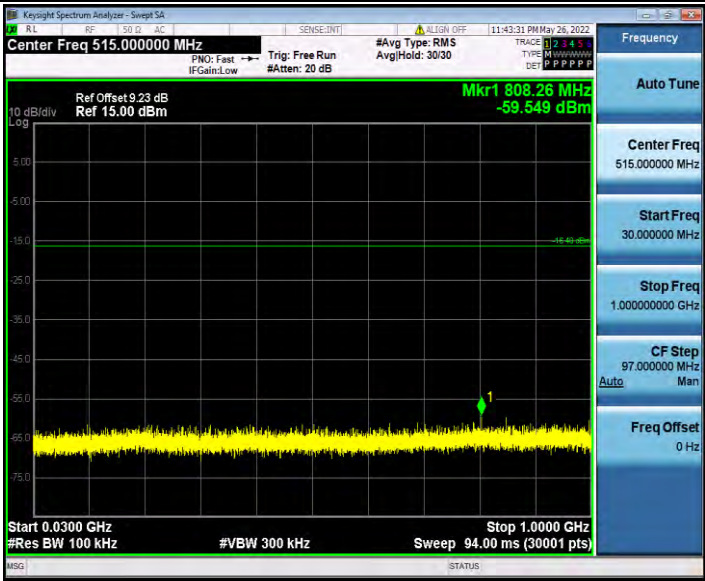
DH1_Ant1_2480_1000~26500



2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



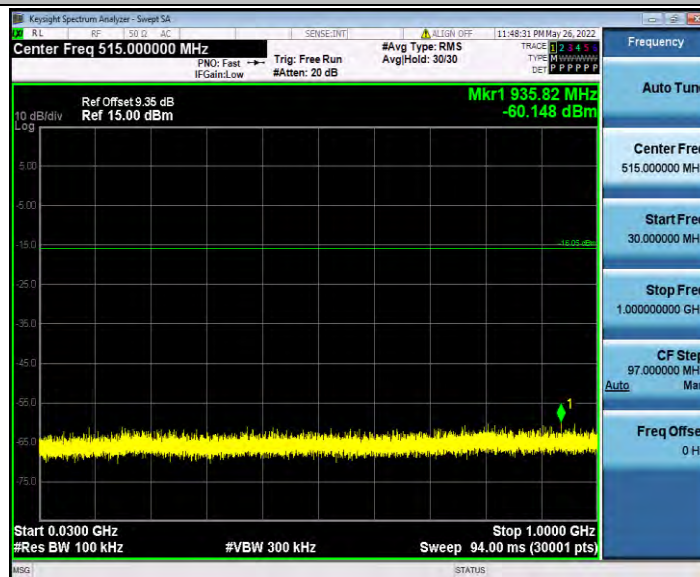
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



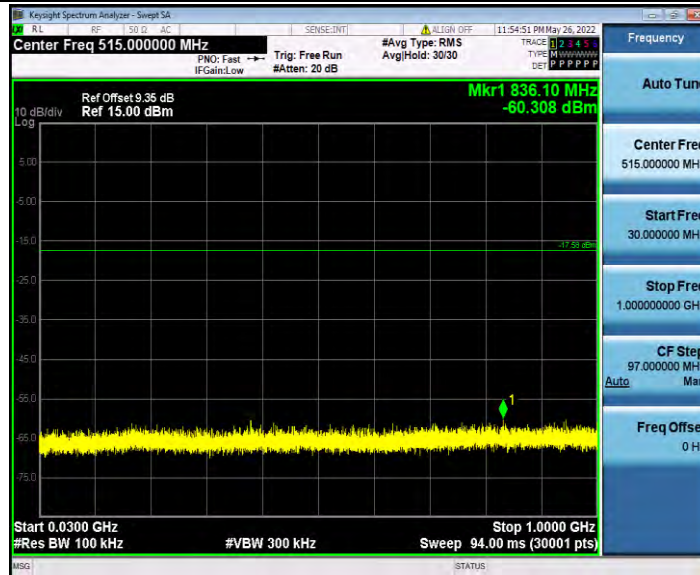
2DH1_Ant1_2441_1000~26500



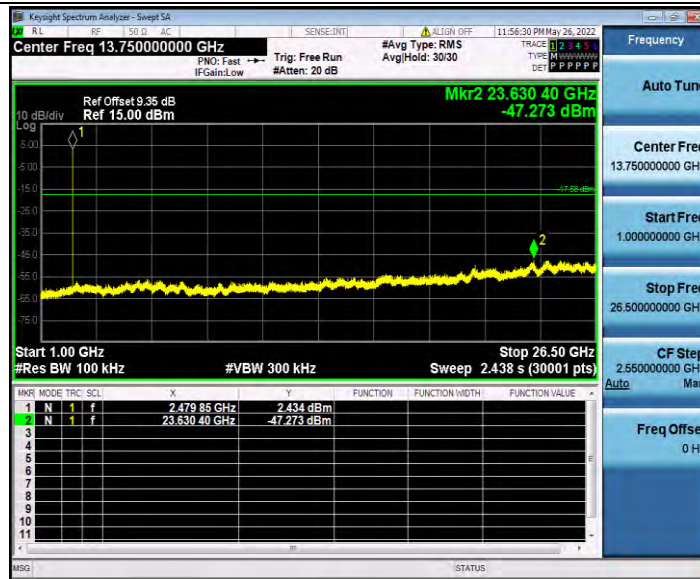
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



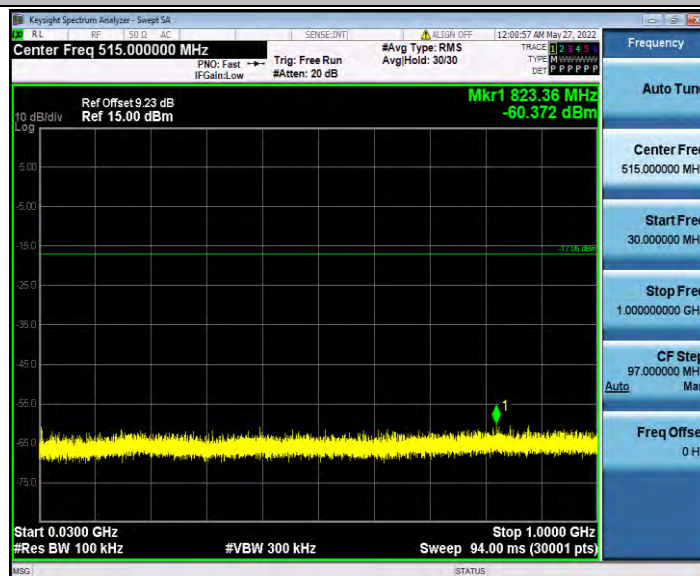
2DH1_Ant1_2480_1000~26500



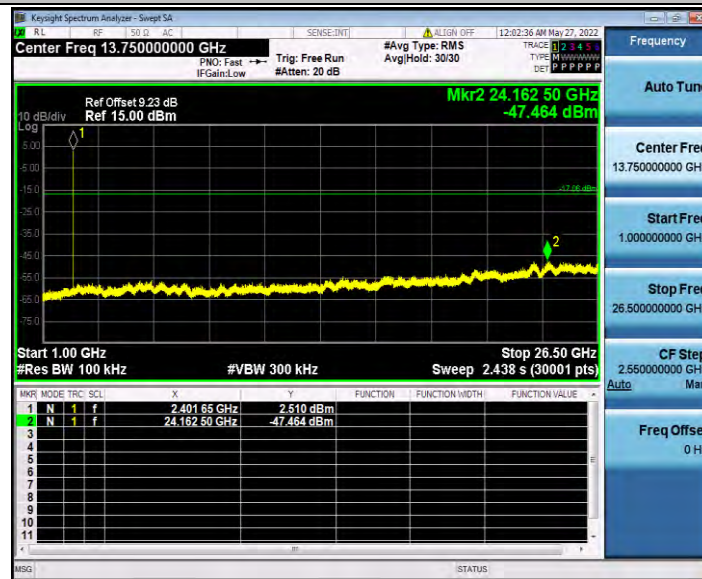
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



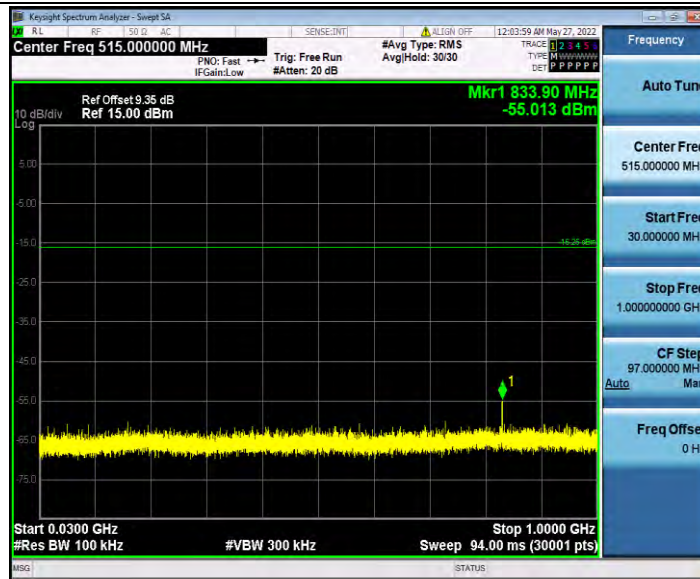
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



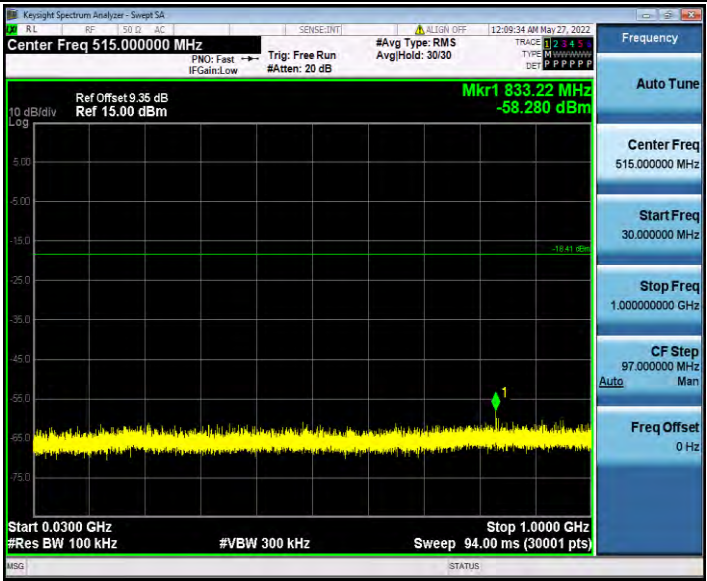
3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500

