

Case No. : GTS20220510015-1-6	
Ambient Condition: 24 °C, 42 %RH,	
Test Date: 2022/6/6	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	1.050	2401.493	2402.543	---	---
		2441	1.044	2440.478	2441.522	---	---
		2480	1.053	2479.463	2480.516	---	---
2DH1	Ant1	2402	1.338	2401.331	2402.669	---	---
		2441	1.359	2440.319	2441.678	---	---
		2480	1.365	2479.310	2480.675	---	---
3DH1	Ant1	2402	1.317	2401.358	2402.675	---	---
		2441	1.317	2440.352	2441.669	---	---
		2480	1.320	2479.337	2480.657	---	---

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	0.93704	2401.539	2402.476	---	---
		2441	1.0112	2440.493	2441.504	---	---
		2480	1.0100	2479.486	2480.496	---	---
2DH1	Ant1	2402	1.1994	2401.395	2402.594	---	---
		2441	1.2005	2440.386	2441.587	---	---
		2480	1.1932	2479.383	2480.576	---	---
3DH1	Ant1	2402	1.1771	2401.429	2402.606	---	---
		2441	1.1783	2440.420	2441.598	---	---
		2480	1.1754	2479.415	2480.591	---	---

Test Graphs

DH1_Ant1_2402



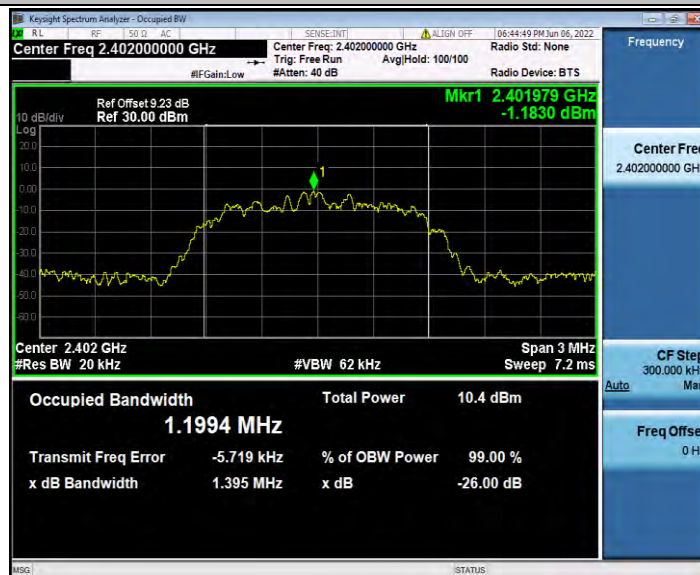
DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



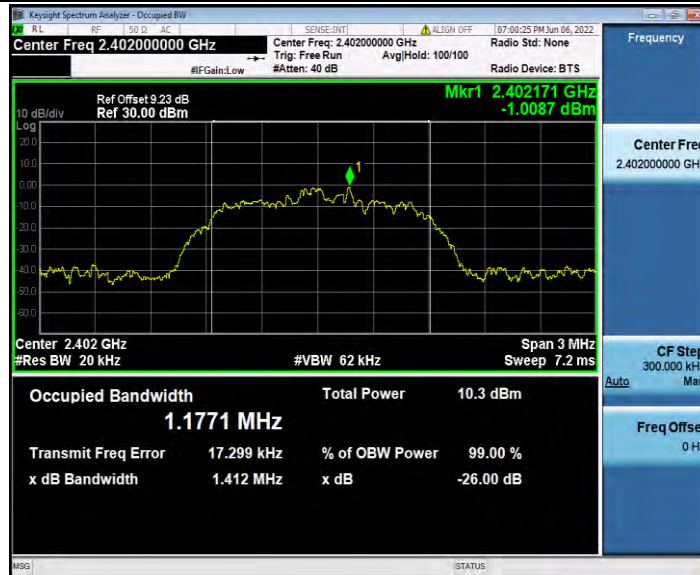
2DH1_Ant1_2441



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	1.012	≥ 0.702	PASS
		Hop_2441	1.158	≥ 1.053	PASS
		Hop_2480	1.004	≥ 0.702	PASS
2DH1	Ant1	Hop_2402	0.998	≥ 0.910	PASS
		Hop_2441	1.006	≥ 0.910	PASS
		Hop_2480	0.992	≥ 0.910	PASS
3DH1	Ant1	Hop_2402	1.204	≥ 0.880	PASS
		Hop_2441	1.006	≥ 0.880	PASS
		Hop_2480	0.894	≥ 0.880	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



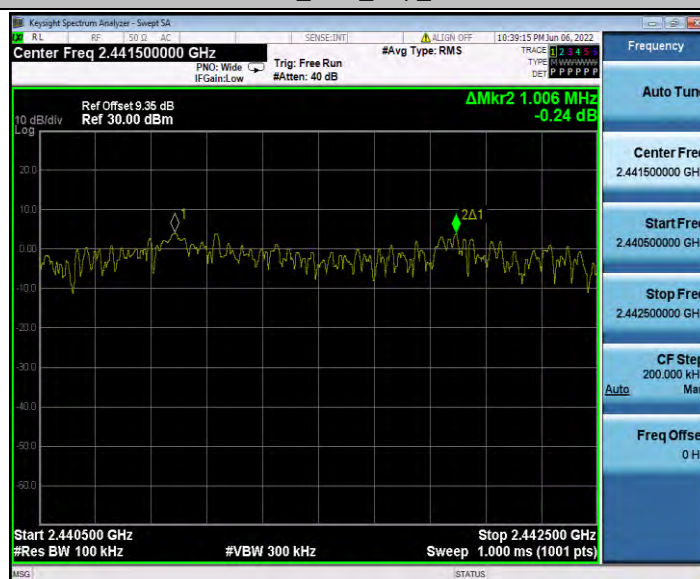
DH1_Ant1_Hop_2480



2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441



2DH1_Ant1_Hop_2480



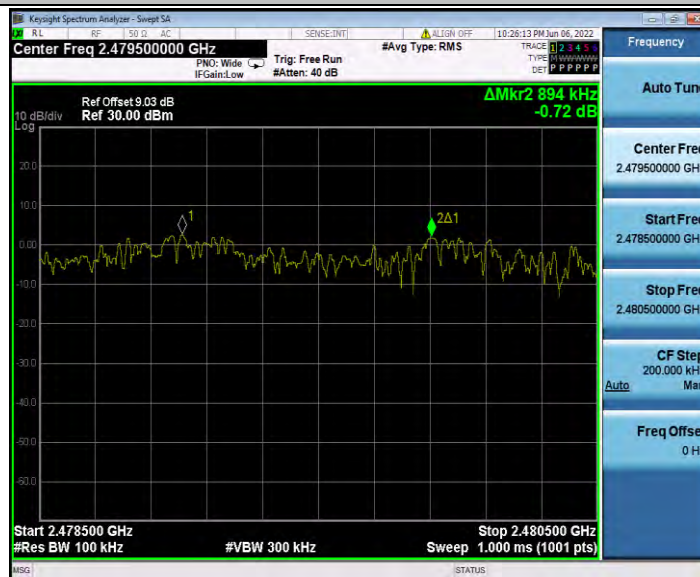
3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441



3DH1_Ant1_Hop_2480



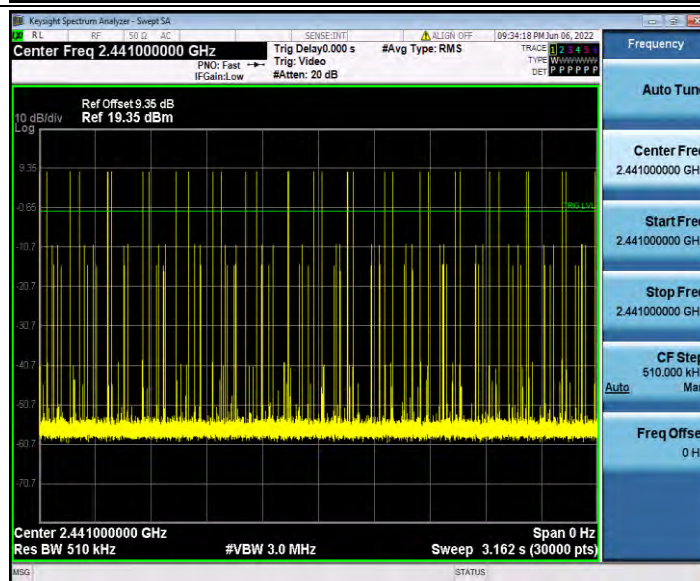
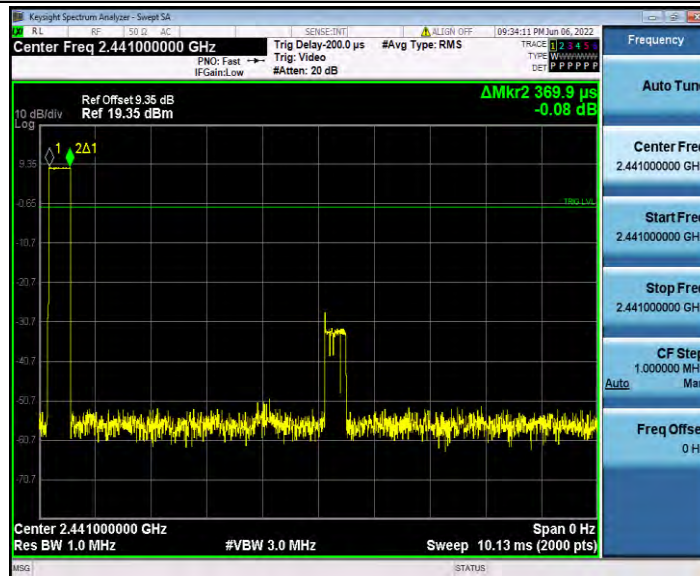
Appendix A.4: Time of occupancy

Test Result

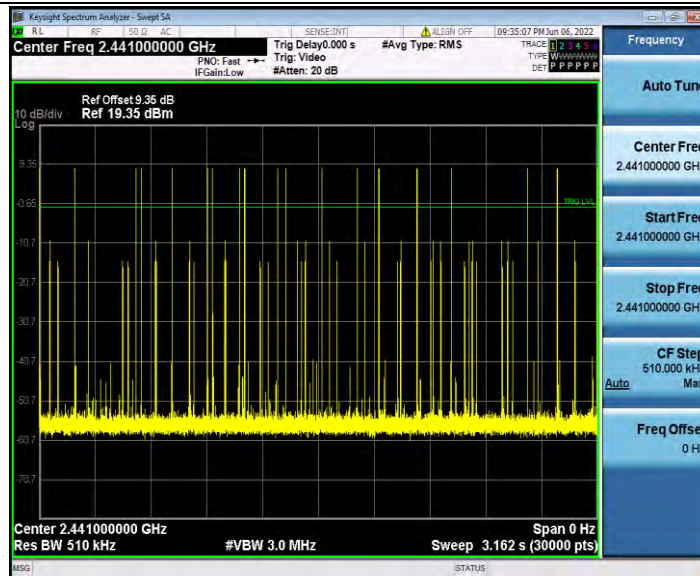
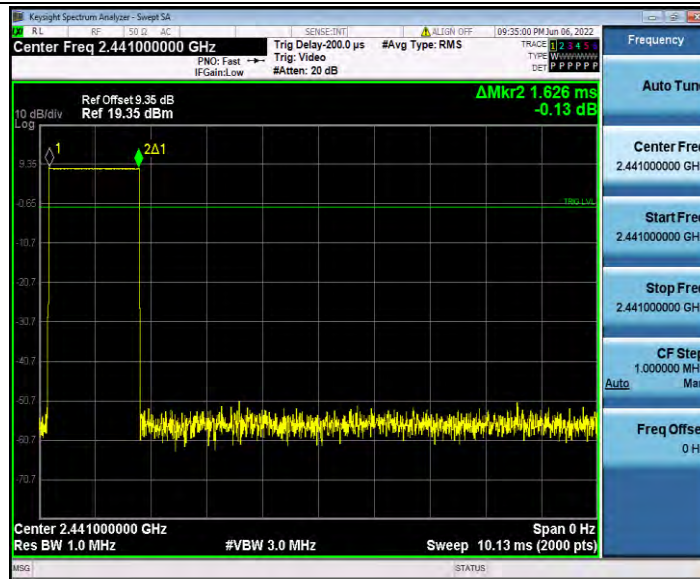
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	330	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.63	190	0.309	≤0.4	PASS
DH5	Ant1	Hop	2.88	80	0.23	≤0.4	PASS
2DH1	Ant1	Hop	0.38	310	0.118	≤0.4	PASS
2DH3	Ant1	Hop	1.63	200	0.325	≤0.4	PASS
2DH5	Ant1	Hop	2.88	100	0.288	≤0.4	PASS
3DH1	Ant1	Hop	0.36	330	0.119	≤0.4	PASS
3DH3	Ant1	Hop	1.62	220	0.356	≤0.4	PASS
3DH5	Ant1	Hop	2.88	120	0.345	≤0.4	PASS

Test Graphs

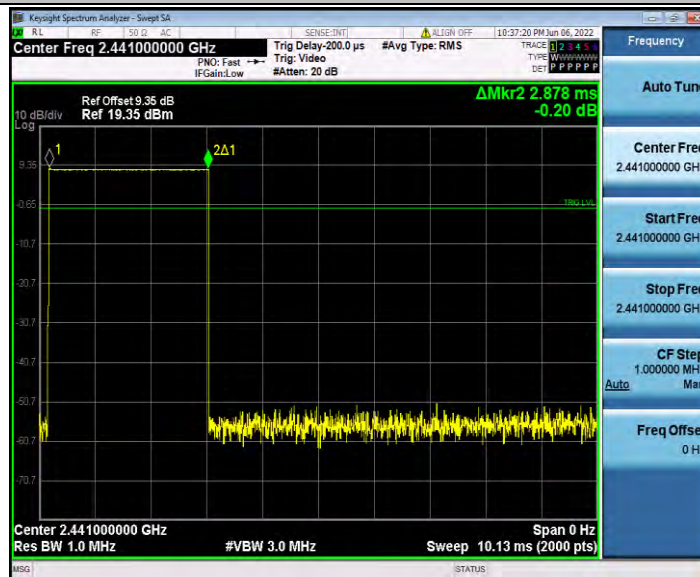
DH1_Ant1_Hop

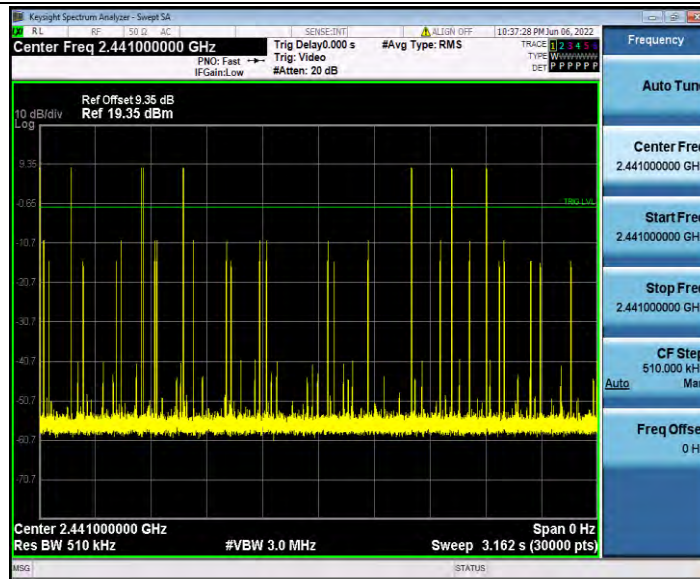


DH3_Ant1_Hop

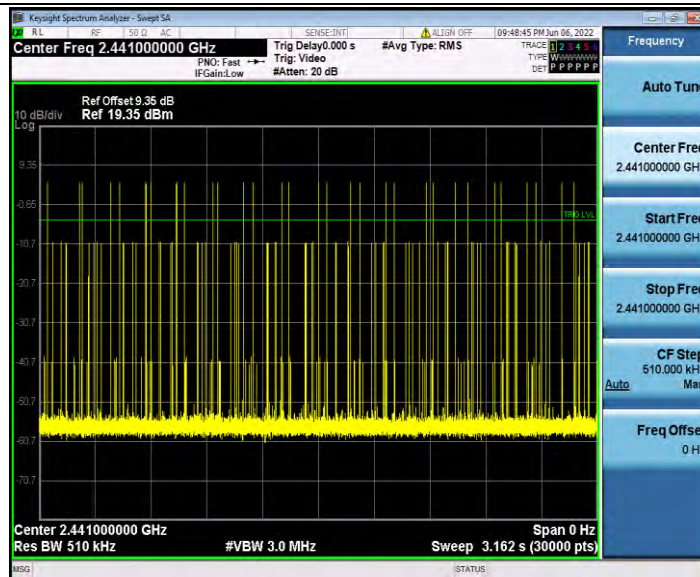
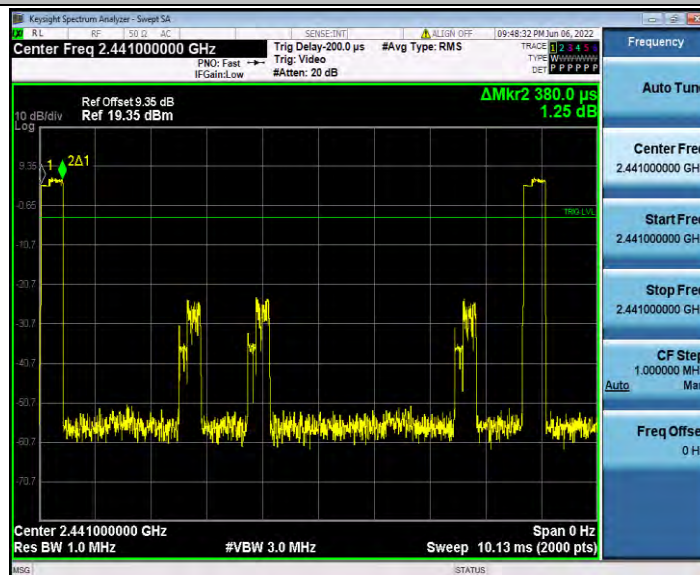


DH5_Ant1_Hop

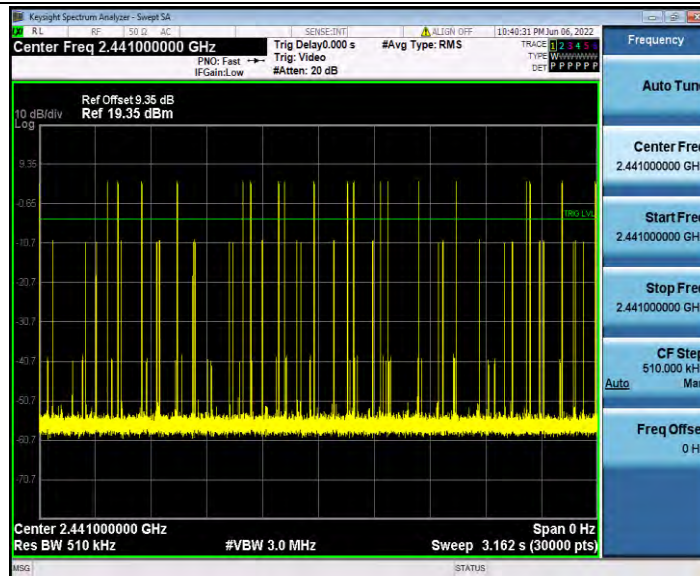
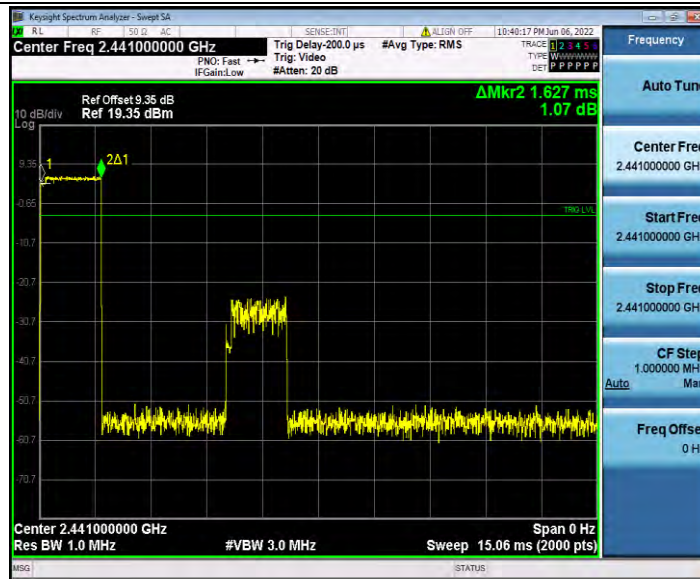




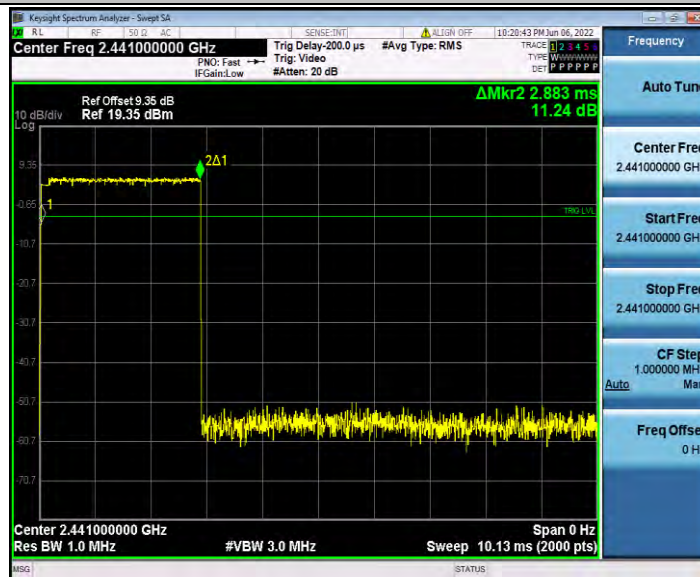
2DH1_Ant1_Hop

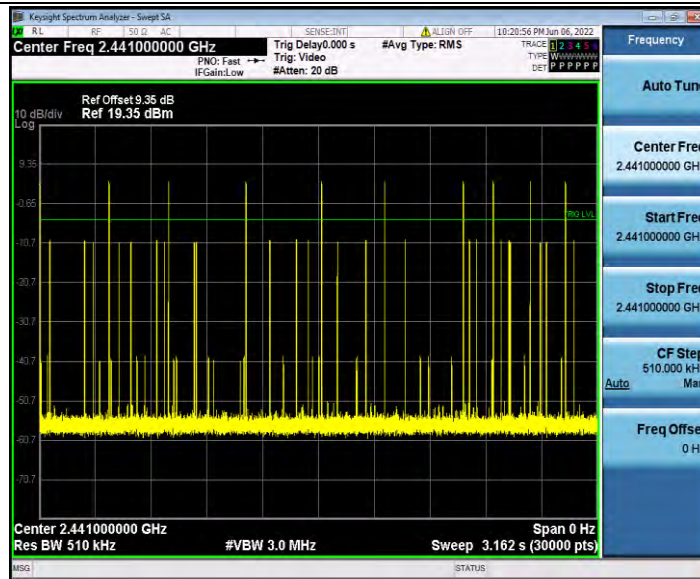


2DH3_Ant1_Hop

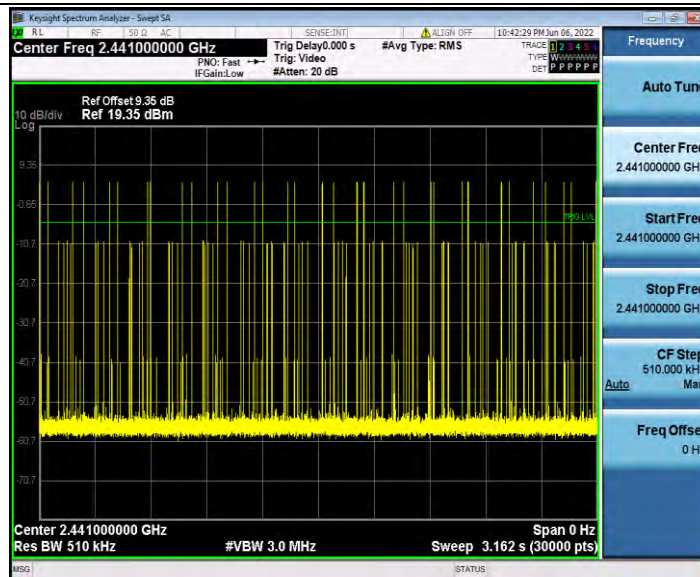
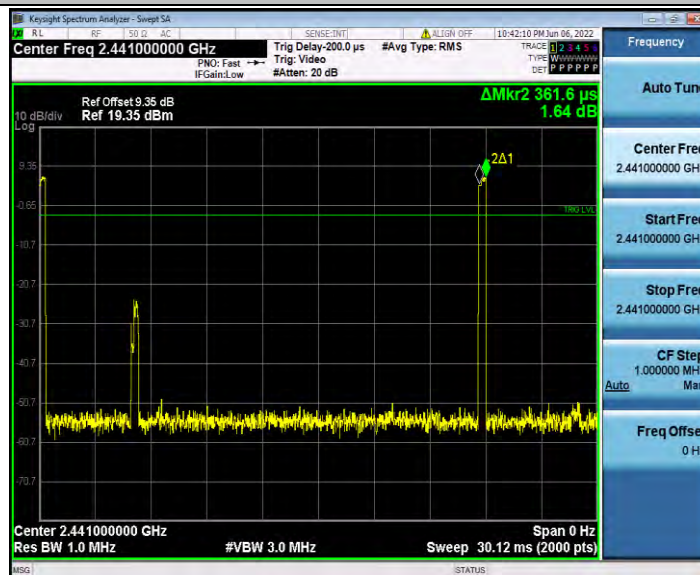


2DH5_Ant1_Hop

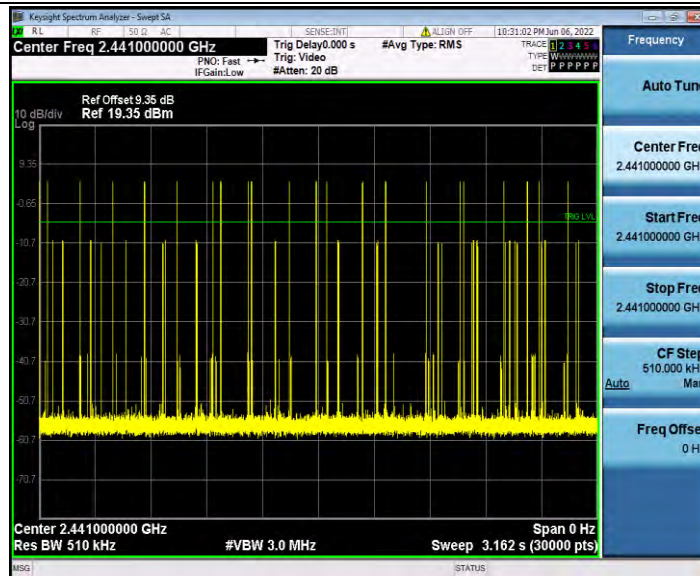
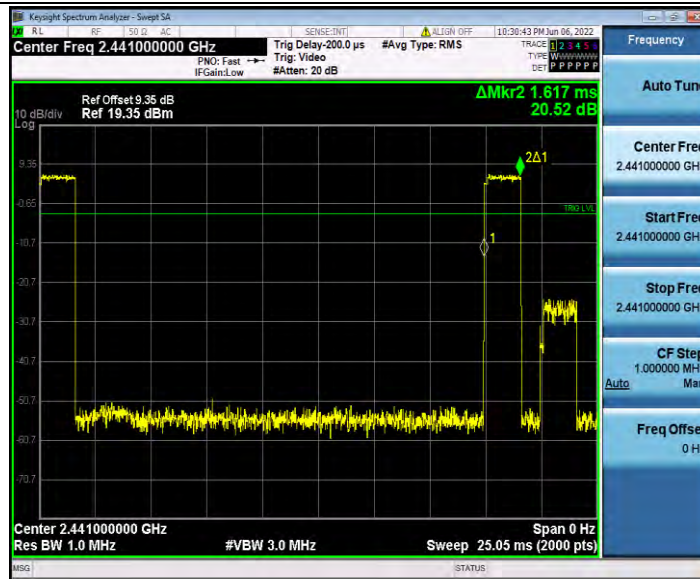




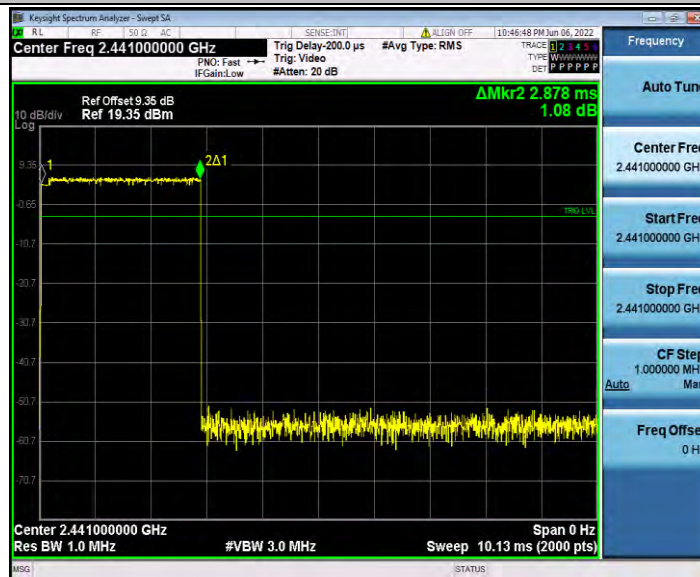
3DH1_Ant1_Hop

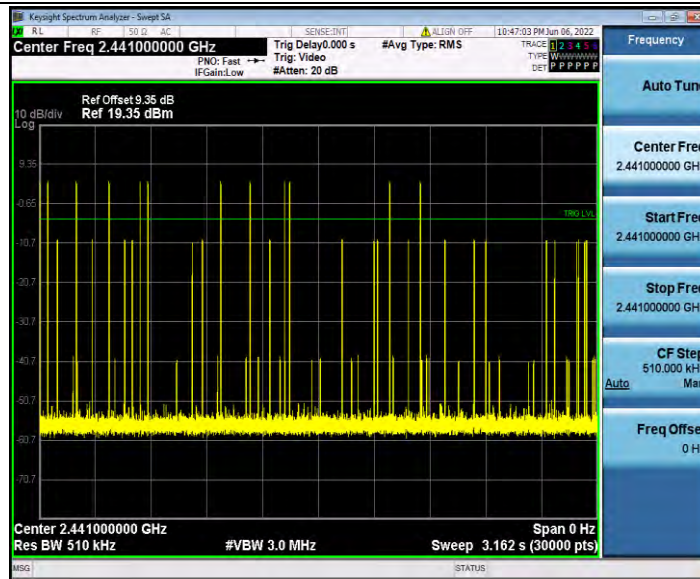


3DH3_Ant1_Hop



3DH5_Ant1_Hop





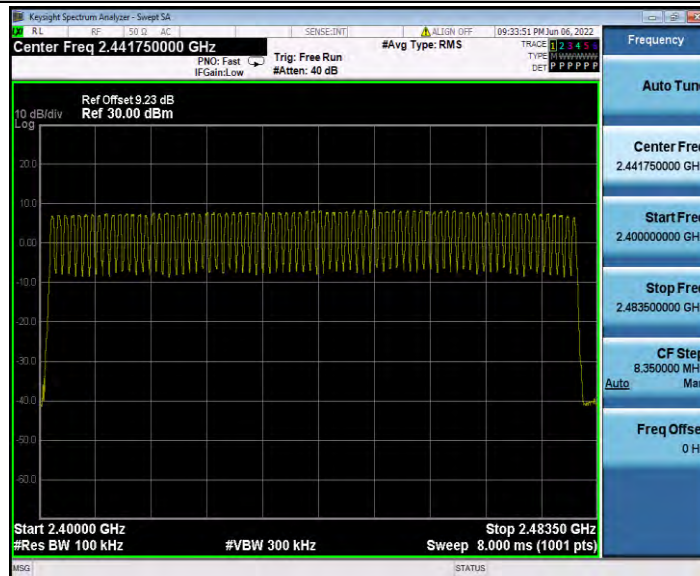
Appendix A.5: Number of hopping channels

Test Result

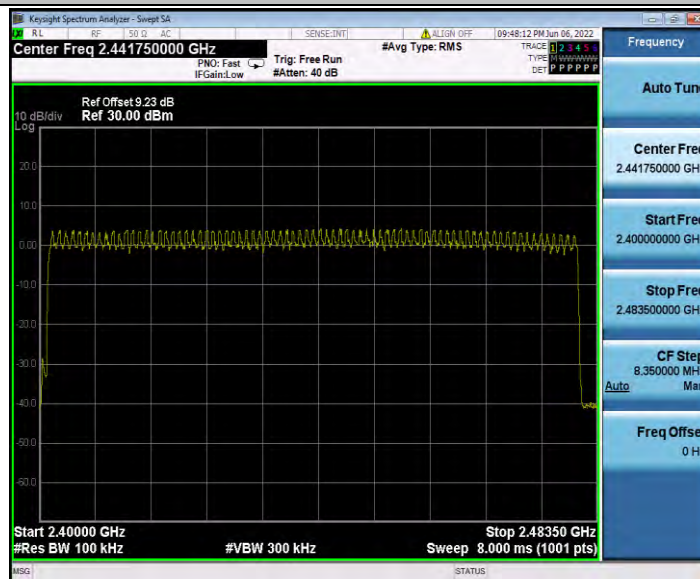
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

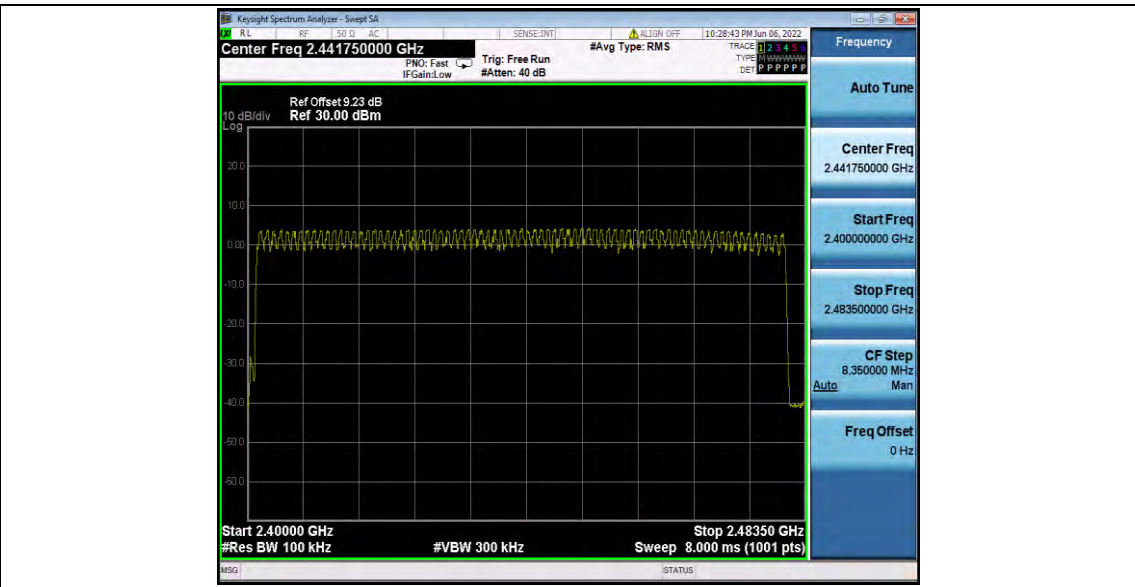
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



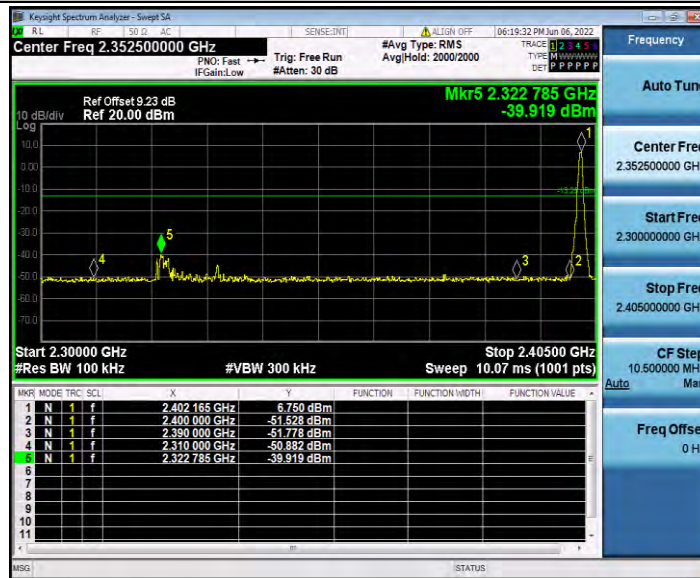
Appendix A.6: Band edge measurements

Test Result

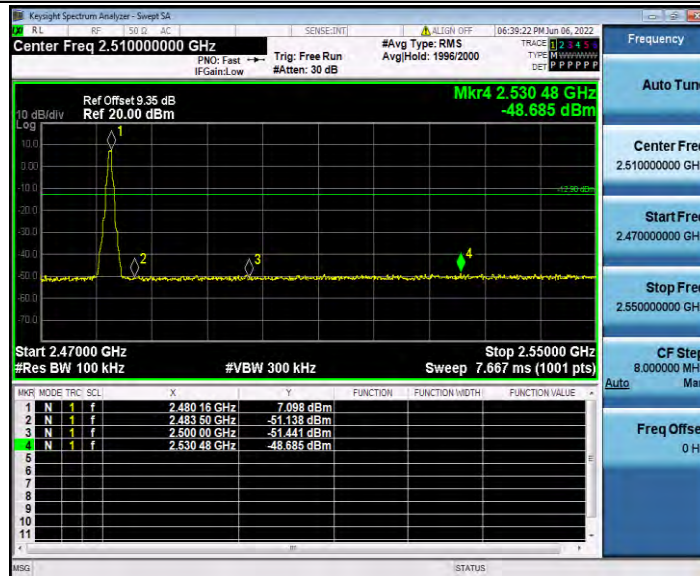
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	6.75	-39.92	≤-13.25	PASS
		High	2480	7.10	-48.69	≤-12.9	PASS
		Low	Hop_2402	6.96	-49.45	≤-13.04	PASS
		High	Hop_2480	7.76	-48.53	≤-12.24	PASS
2DH1	Ant1	Low	2402	3.48	-46.01	≤-16.52	PASS
		High	2480	2.80	-48.73	≤-17.2	PASS
		Low	Hop_2402	3.28	-48.87	≤-16.72	PASS
		High	Hop_2480	3.39	-48.4	≤-16.61	PASS
3DH1	Ant1	Low	2402	3.48	-46.81	≤-16.52	PASS
		High	2480	2.75	-48.44	≤-17.25	PASS
		Low	Hop_2402	3.56	-49.68	≤-16.44	PASS
		High	Hop_2480	3.49	-48.9	≤-16.51	PASS

Test Graphs

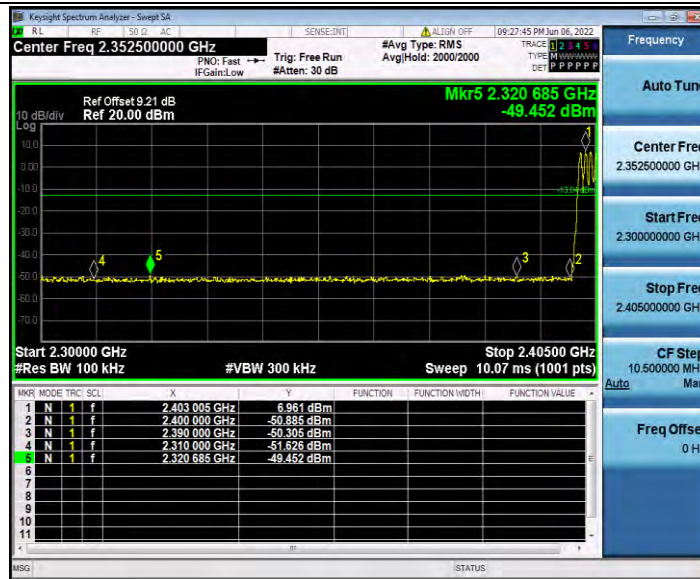
DH1_Ant1_Low_2402



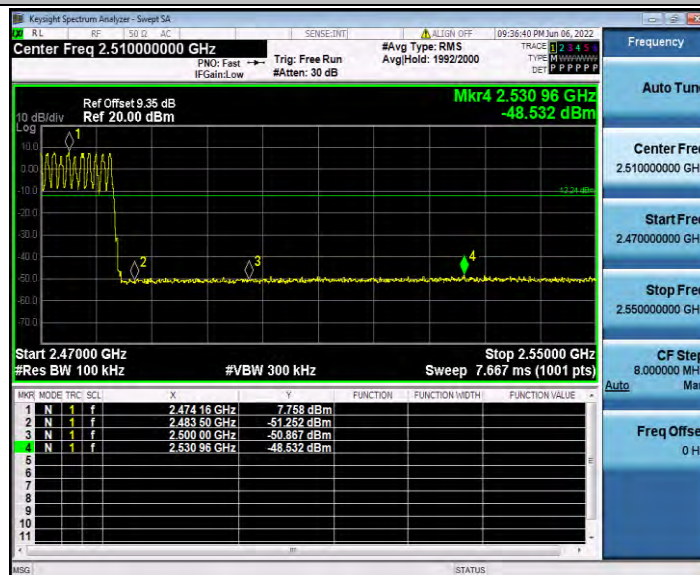
DH1_Ant1_High_2480



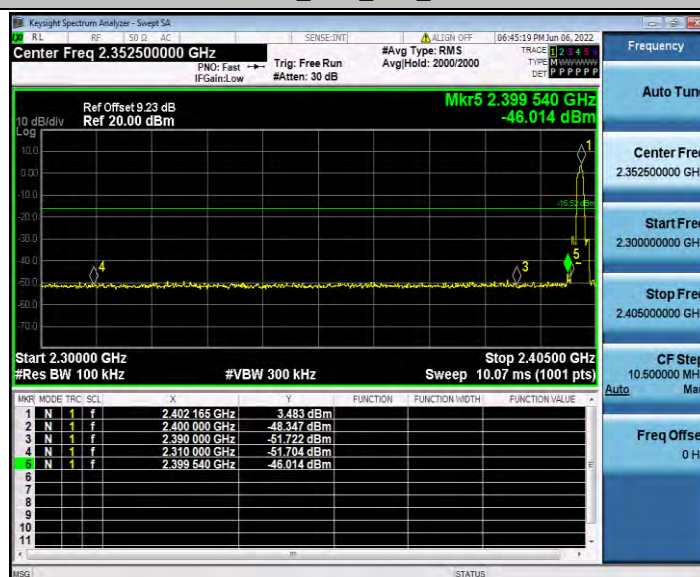
DH1_Ant1_Low_Hop_2402



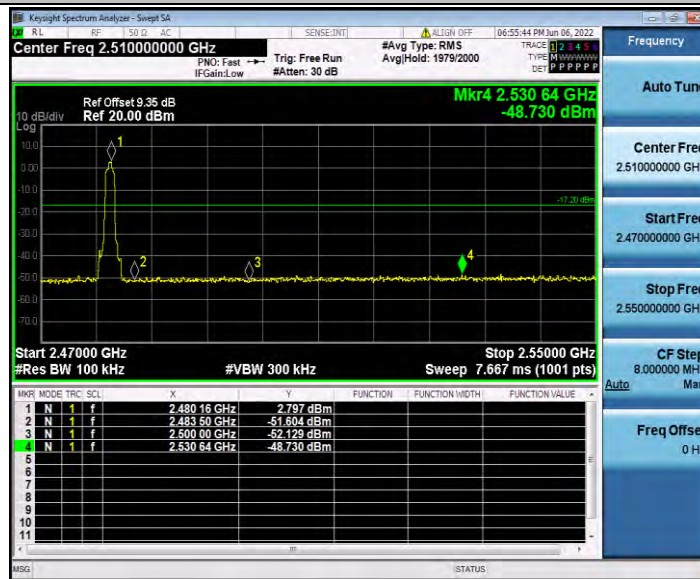
DH1_Ant1_High_Hop_2480



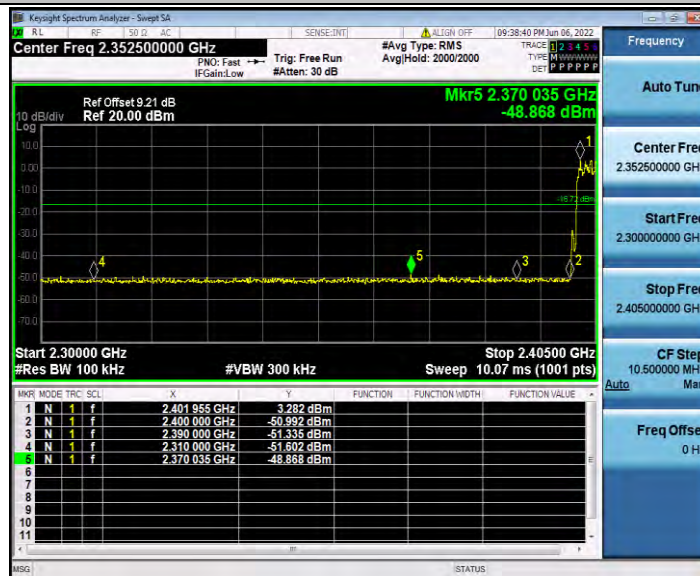
2DH1_Ant1_Low_2402



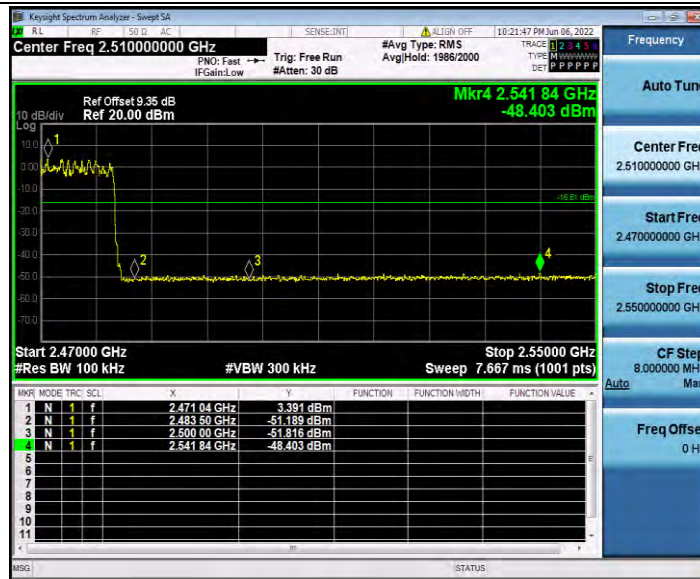
2DH1_Ant1_High_2480



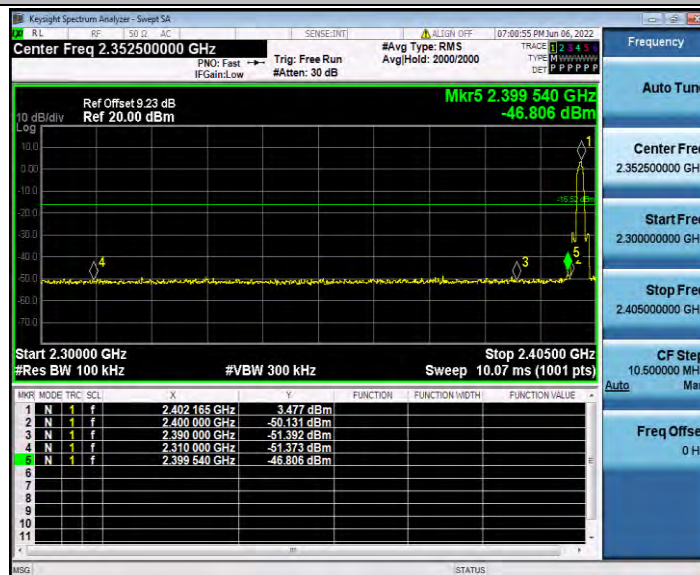
2DH1_Ant1_Low_Hop_2402



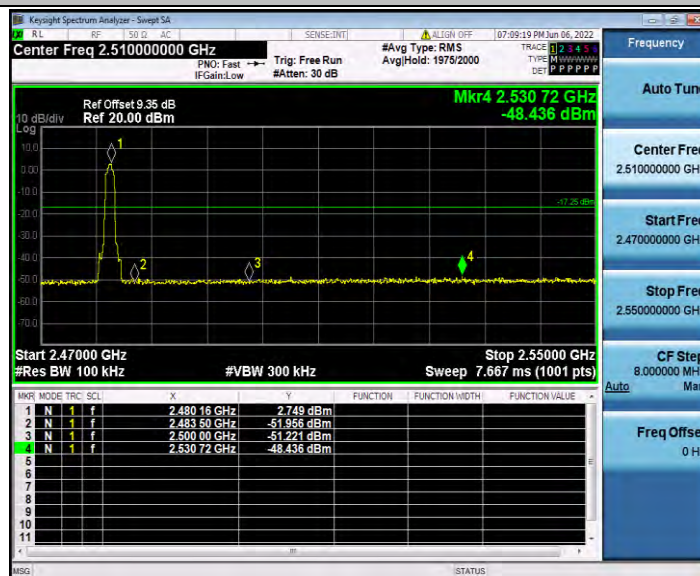
2DH1_Ant1_High_Hop_2480



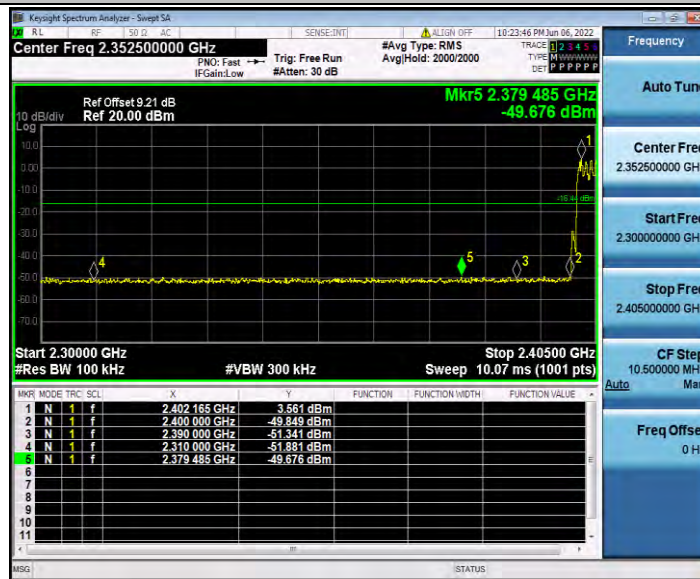
3DH1_Ant1_Low_2402



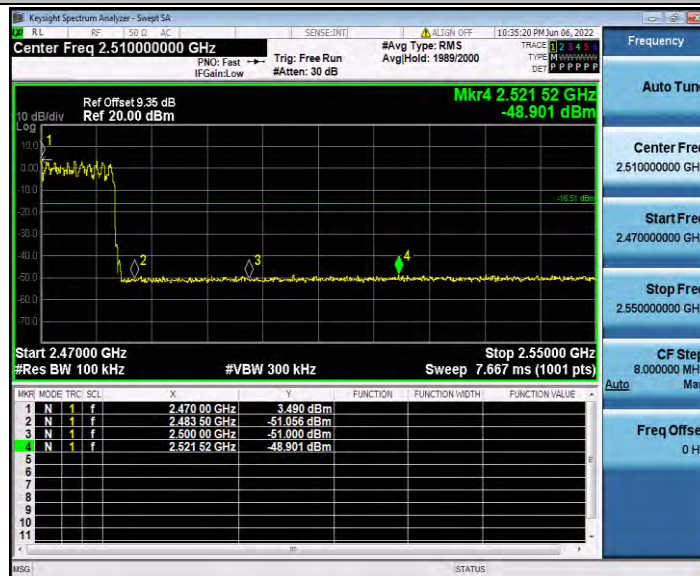
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.7: Conducted Spurious Emission

Test Result

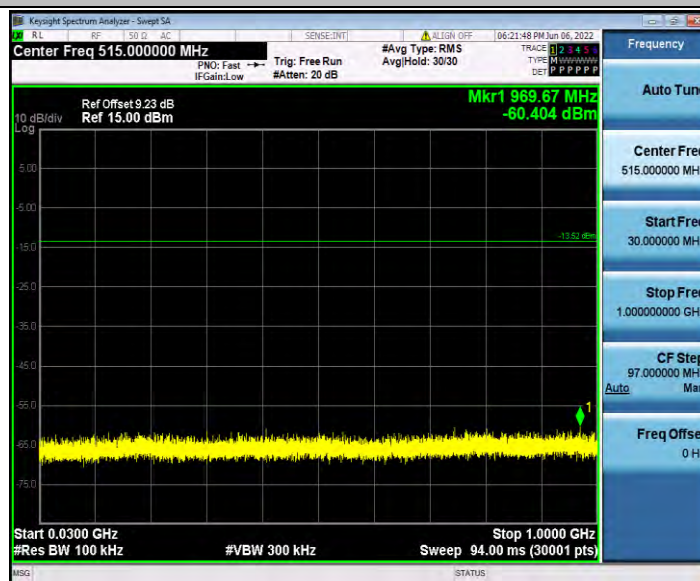
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	6.48	6.48	---	PASS
			30~1000	6.48	-60.4	≤-13.52	PASS
			1000~26500	6.48	-46.97	≤-13.52	PASS
		2441	Reference	7.82	7.82	---	PASS
			30~1000	7.82	-59.66	≤-12.18	PASS
			1000~26500	7.82	-44.45	≤-12.18	PASS
		2480	Reference	6.89	6.89	---	PASS
			30~1000	6.89	-59.98	≤-13.11	PASS
			1000~26500	6.89	-46.26	≤-13.11	PASS
2DH1	Ant1	2402	Reference	3.15	3.15	---	PASS
			30~1000	3.15	-60.34	≤-16.85	PASS
			1000~26500	3.15	-47.51	≤-16.85	PASS
		2441	Reference	3.87	3.87	---	PASS
			30~1000	3.87	-60.17	≤-16.13	PASS
			1000~26500	3.87	-47.55	≤-16.13	PASS
		2480	Reference	2.02	2.02	---	PASS
			30~1000	2.02	-60.11	≤-17.98	PASS
			1000~26500	2.02	-46.44	≤-17.98	PASS
3DH1	Ant1	2402	Reference	3.13	3.13	---	PASS
			30~1000	3.13	-60.23	≤-16.87	PASS
			1000~26500	3.13	-47.85	≤-16.87	PASS
		2441	Reference	3.32	3.32	---	PASS
			30~1000	3.32	-60.08	≤-16.68	PASS
			1000~26500	3.32	-47.07	≤-16.68	PASS
		2480	Reference	2.58	2.58	---	PASS
			30~1000	2.58	-60.35	≤-17.42	PASS
			1000~26500	2.58	-47.71	≤-17.42	PASS

Test Graphs

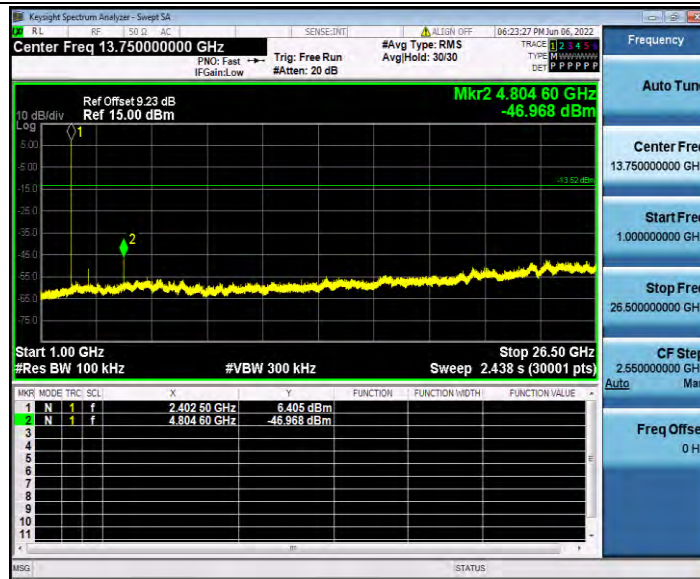
DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



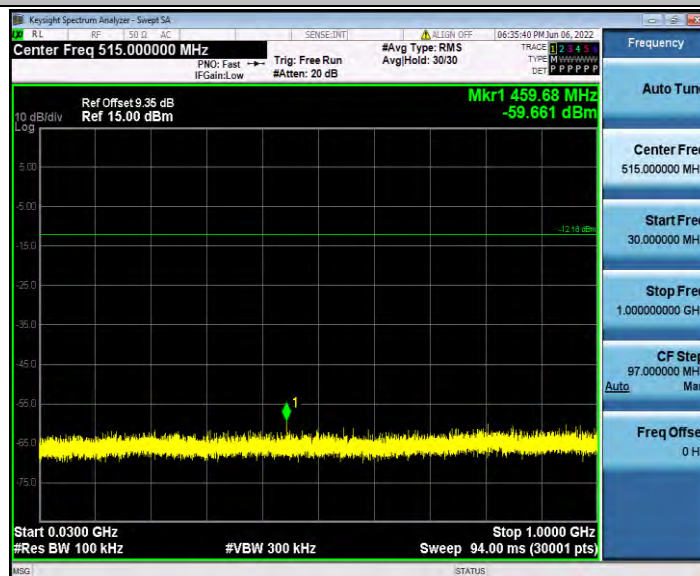
DH1_Ant1_2402_1000~26500



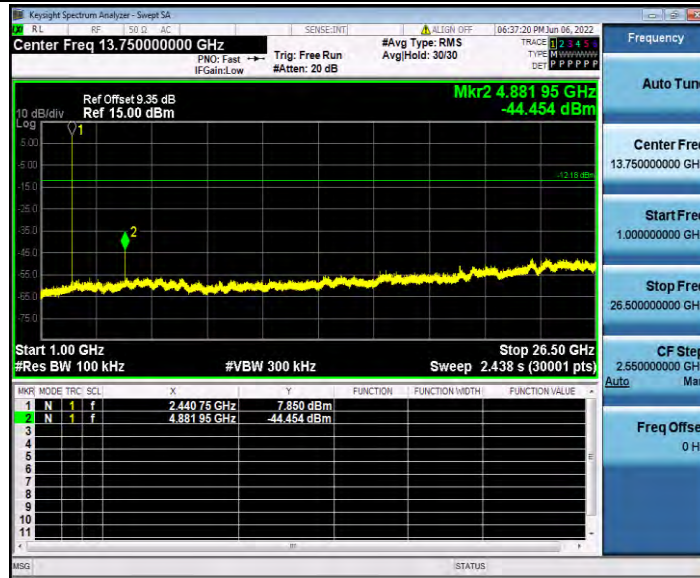
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



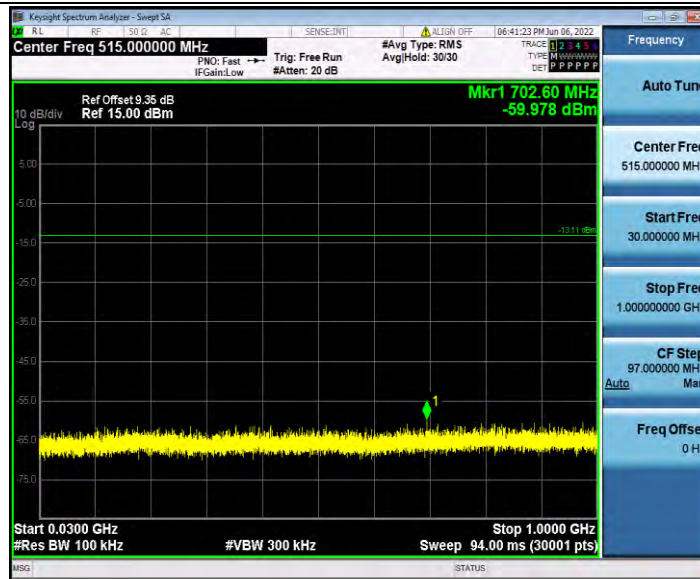
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



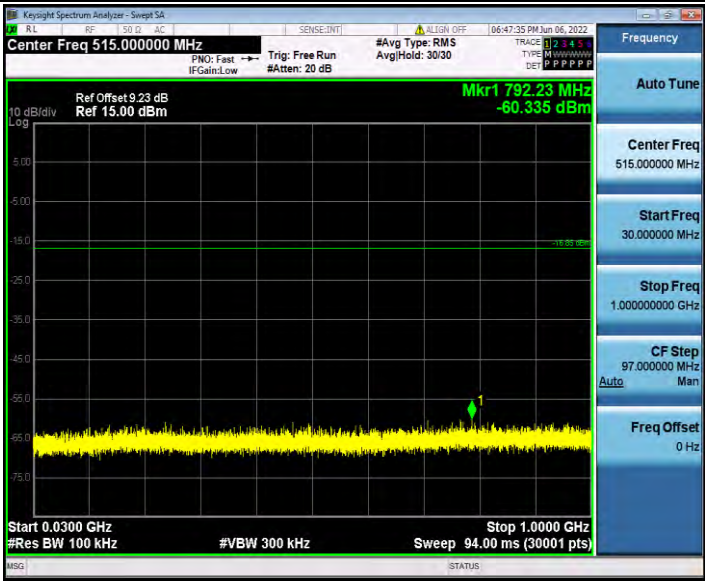
DH1_Ant1_2480_1000~26500



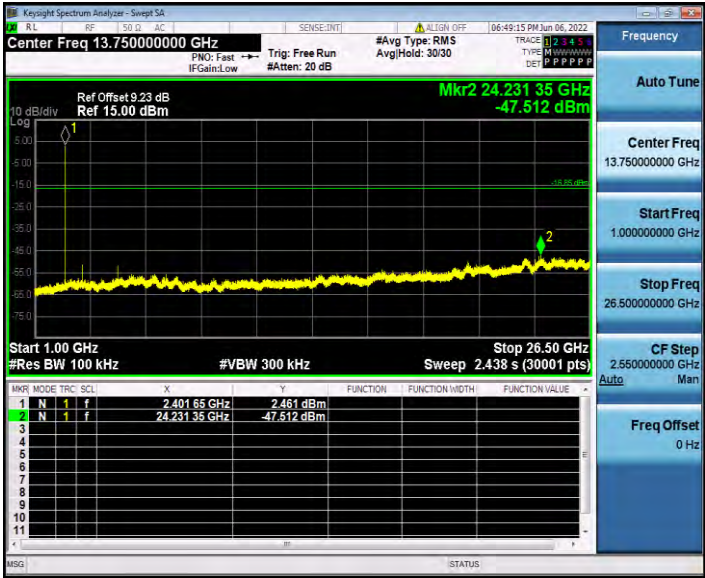
2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



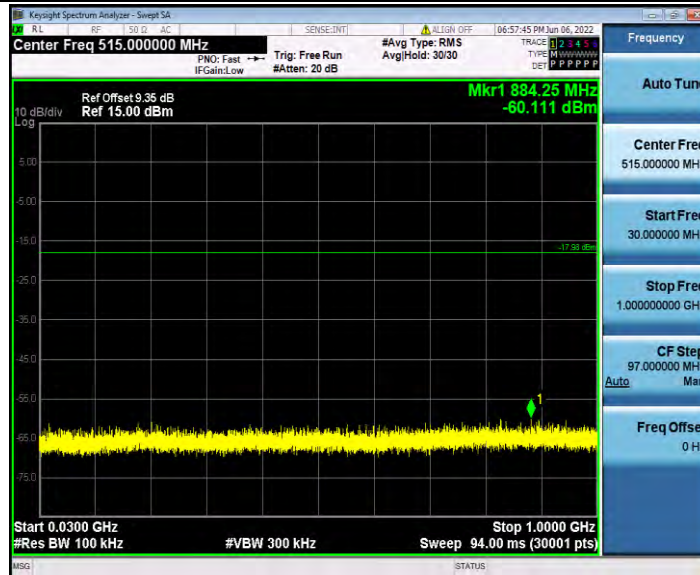
2DH1_Ant1_2441_1000~26500



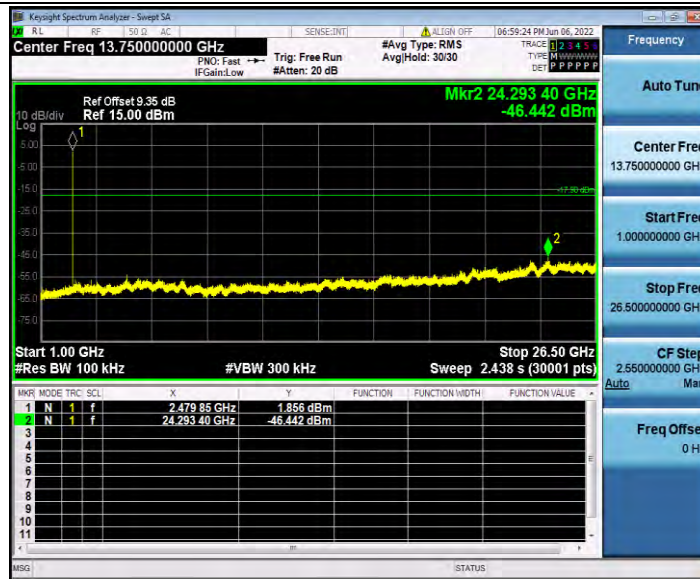
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



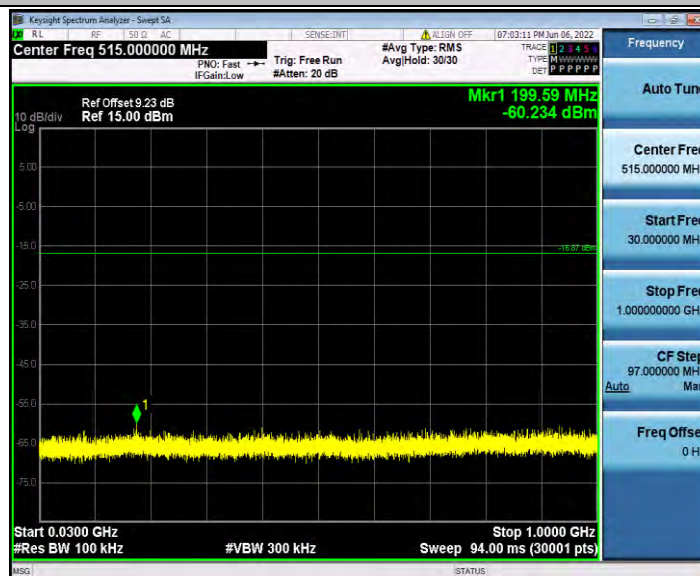
2DH1_Ant1_2480_1000~26500



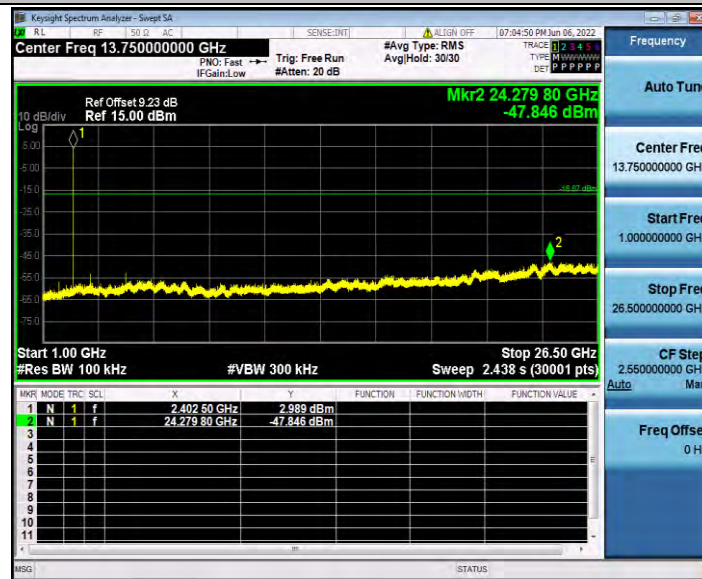
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



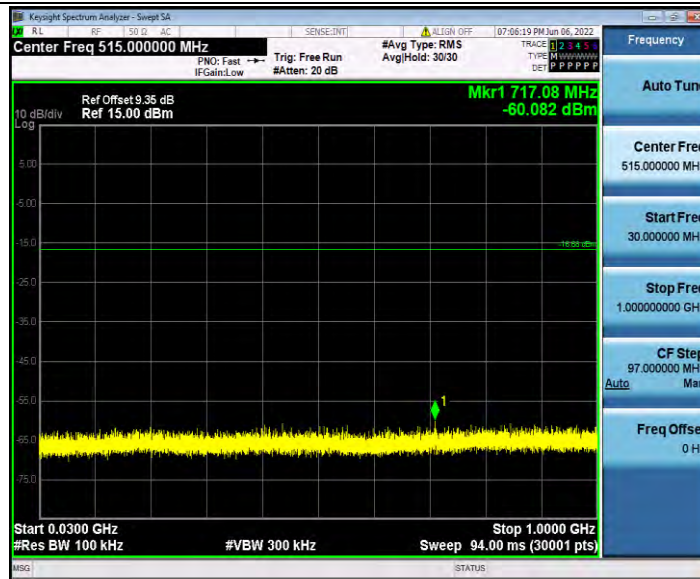
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



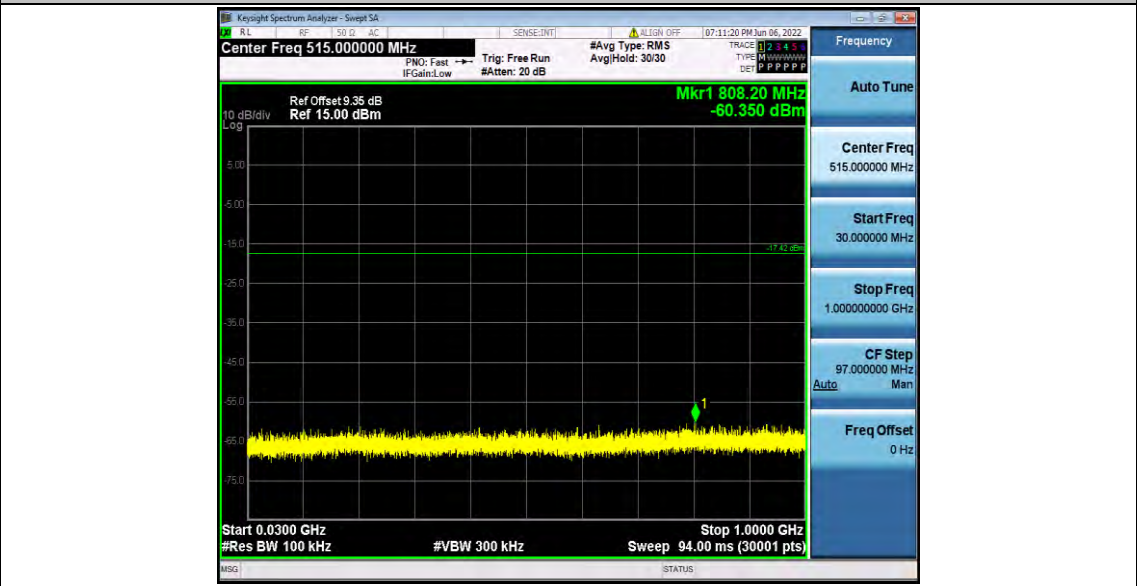
3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500

