

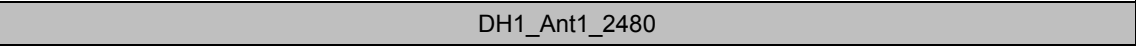
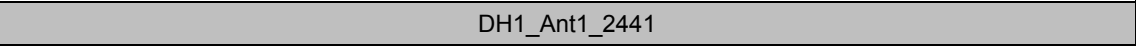
Case No. : GTS20220819005-1-1	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.9.28	Test Engineer: Jenny zeng

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	0.969	2401.550	2402.519	---	---
		2441	0.963	2440.547	2441.510	---	---
		2480	0.873	2479.544	2480.417	---	---
2DH1	Ant1	2402	1.221	2401.394	2402.615	---	---
		2441	1.248	2440.394	2441.642	---	---
		2480	1.224	2479.403	2480.627	---	---
3DH1	Ant1	2402	1.227	2401.406	2402.633	---	---
		2441	1.224	2440.406	2441.630	---	---
		2480	1.218	2479.406	2480.624	---	---

DH1_Ant1_2402



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	0.87474	2401.573	2402.447	---	---
		2441	0.87475	2440.569	2441.443	---	---
		2480	0.87022	2479.558	2480.428	---	---
2DH1	Ant1	2402	1.1458	2401.431	2402.577	---	---
		2441	1.1495	2440.431	2441.580	---	---
		2480	1.1327	2479.444	2480.576	---	---
3DH1	Ant1	2402	1.1480	2401.438	2402.586	---	---
		2441	1.1436	2440.440	2441.583	---	---
		2480	1.1350	2479.439	2480.574	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



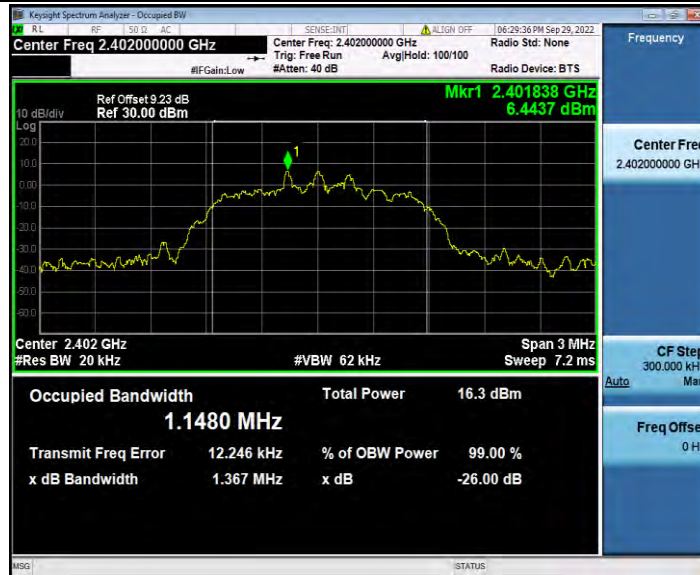
2DH1_Ant1_2441



2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



3DH1_Ant1_2480



Appendix A.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	10.43	≤30.00	PASS
		2441	11.01	≤30.00	PASS
		2480	10.82	≤30.00	PASS
2DH1	Ant1	2402	7.19	≤20.97	PASS
		2441	8.18	≤20.97	PASS
		2480	7.90	≤20.97	PASS
3DH1	Ant1	2402	11.14	≤20.97	PASS
		2441	11.81	≤20.97	PASS
		2480	11.60	≤20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	0.998	≥ 0.969	PASS
		Hop_2441	0.994	≥ 0.969	PASS
		Hop_2480	0.992	≥ 0.969	PASS
2DH1	Ant1	Hop_2402	1.006	≥ 0.832	PASS
		Hop_2441	1.010	≥ 0.832	PASS
		Hop_2480	0.994	≥ 0.832	PASS
3DH1	Ant1	Hop_2402	0.858	≥ 0.818	PASS
		Hop_2441	1.006	≥ 0.818	PASS
		Hop_2480	0.998	≥ 0.818	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



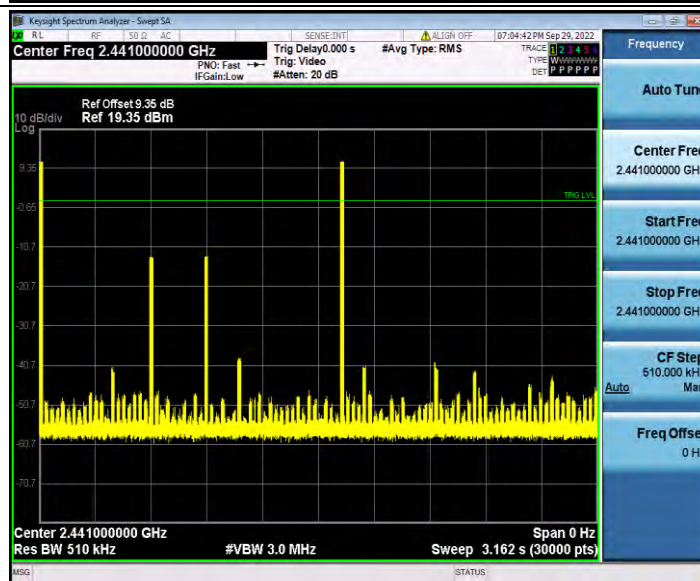
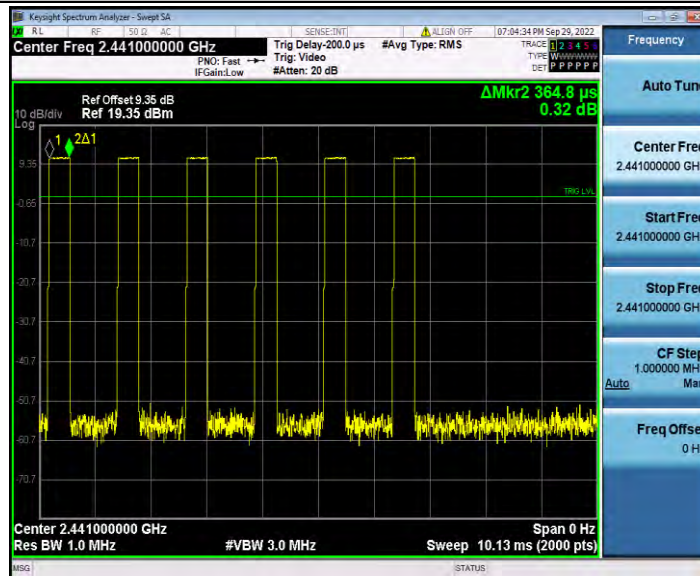
Appendix A.5: Time of occupancy

Test Result

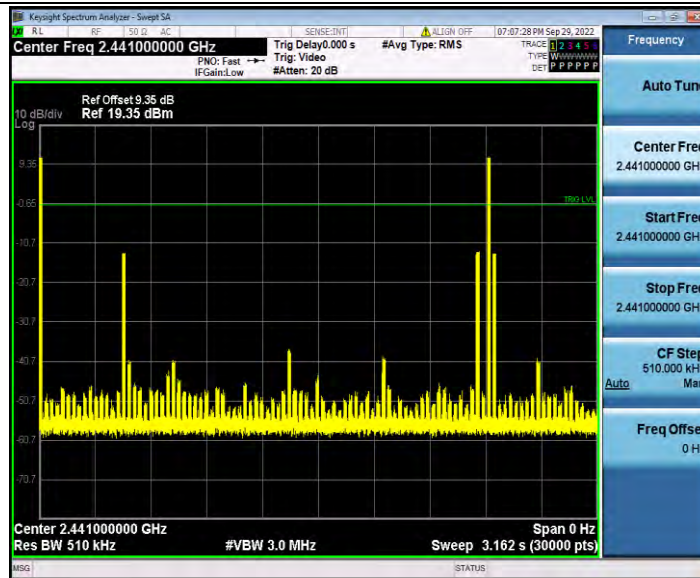
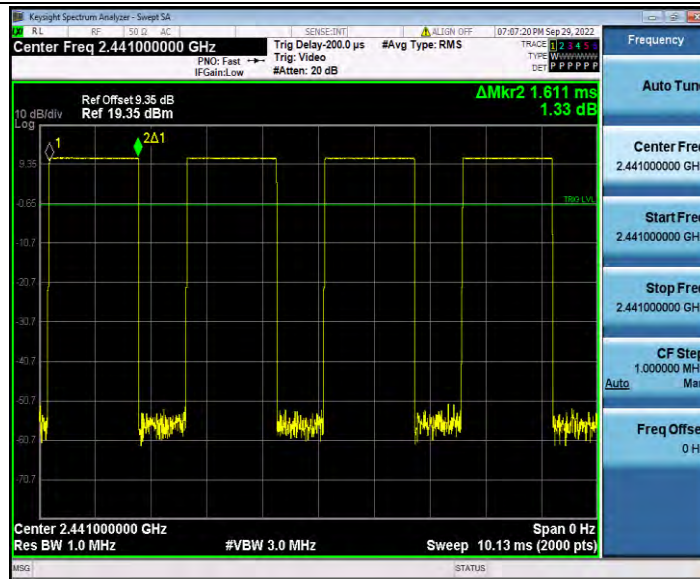
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.36	300	0.109	≤0.4	PASS
DH3	Ant1	Hop	1.61	140	0.226	≤0.4	PASS
DH5	Ant1	Hop	2.86	100	0.286	≤0.4	PASS
2DH1	Ant1	Hop	0.37	280	0.104	≤0.4	PASS
2DH3	Ant1	Hop	1.63	140	0.228	≤0.4	PASS
2DH5	Ant1	Hop	2.87	100	0.287	≤0.4	PASS
3DH1	Ant1	Hop	0.37	280	0.104	≤0.4	PASS
3DH3	Ant1	Hop	1.62	140	0.227	≤0.4	PASS
3DH5	Ant1	Hop	2.87	90	0.259	≤0.4	PASS

Test Graphs

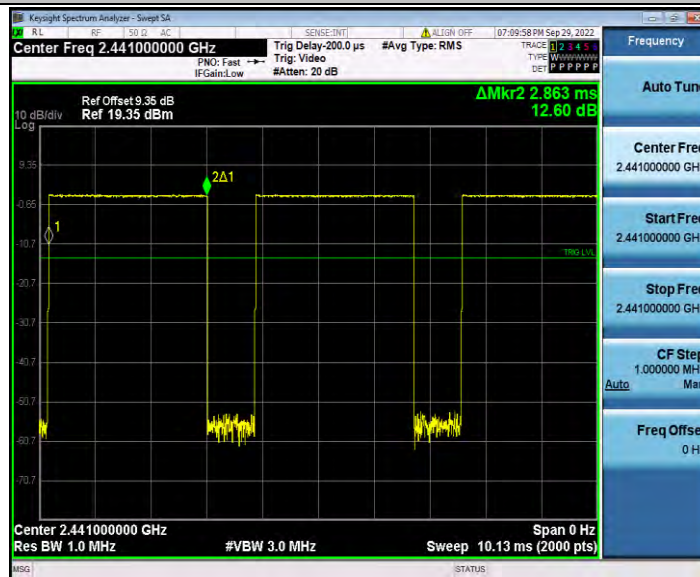
DH1_Ant1_Hop

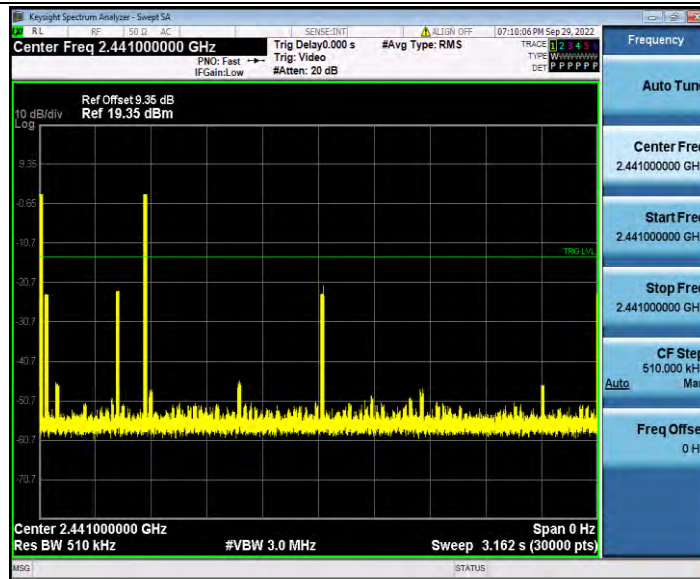


DH3_Ant1_Hop

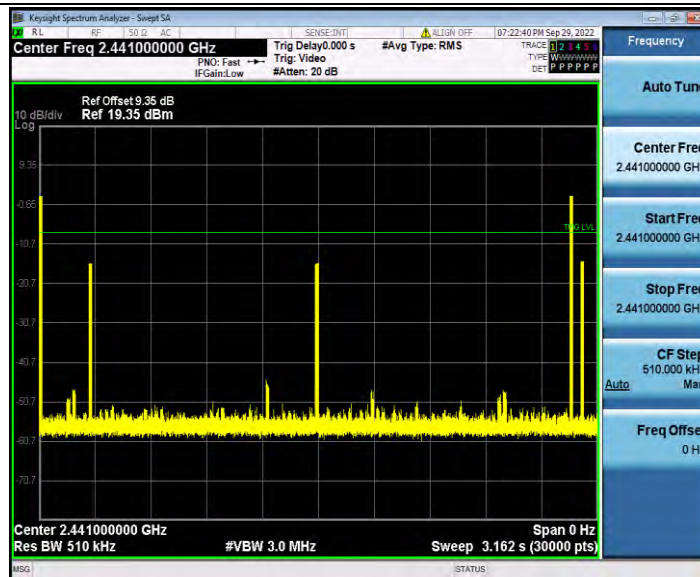
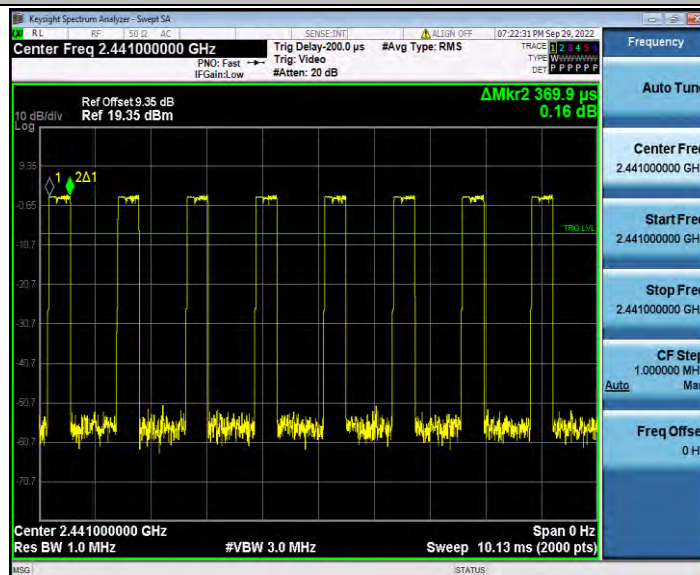


DH5_Ant1_Hop

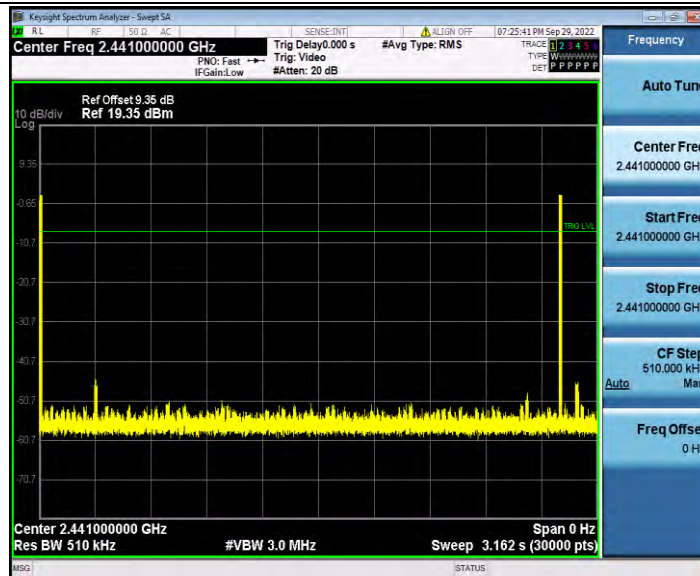
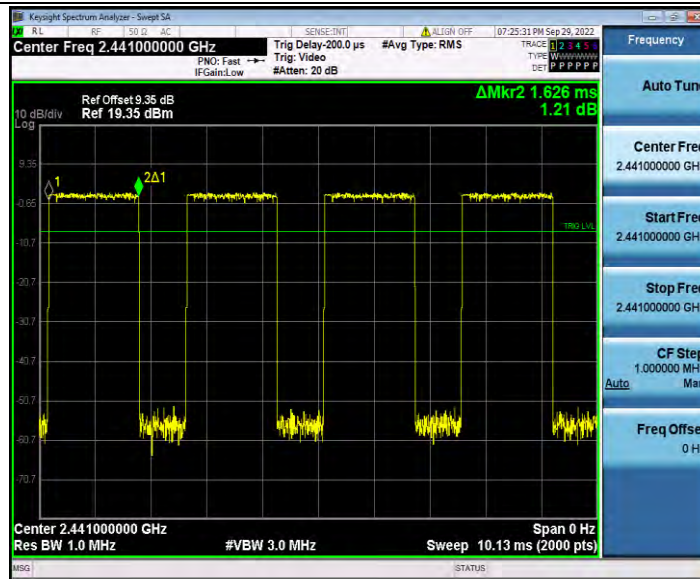




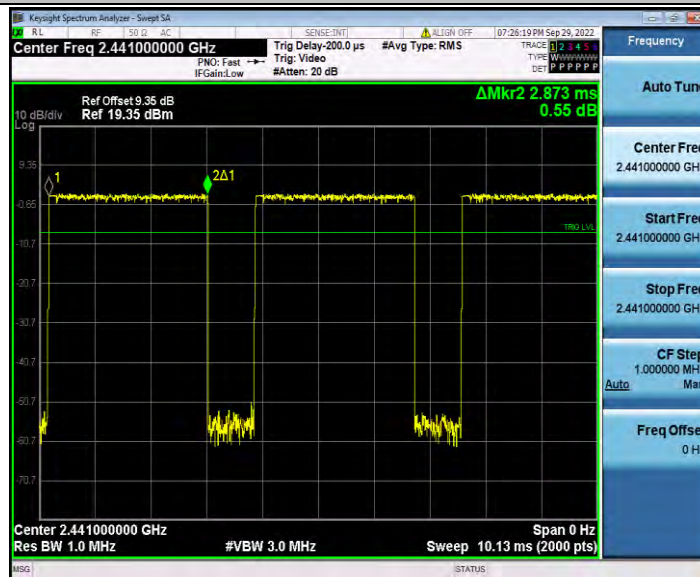
2DH1_Ant1_Hop

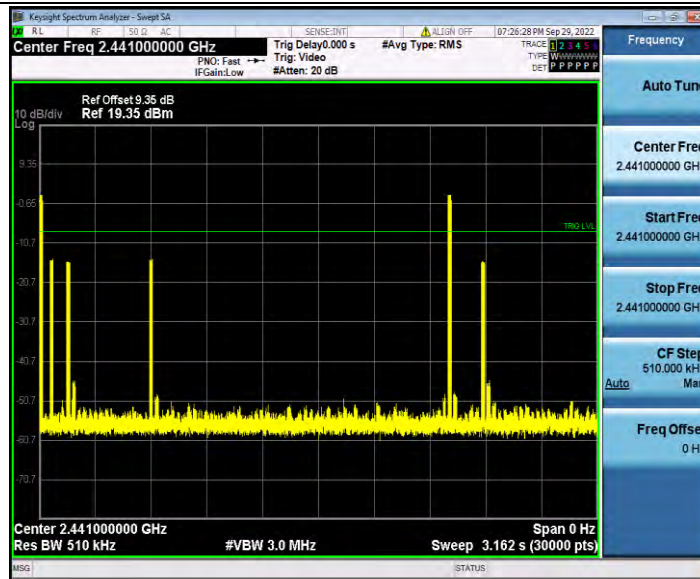


2DH3_Ant1_Hop

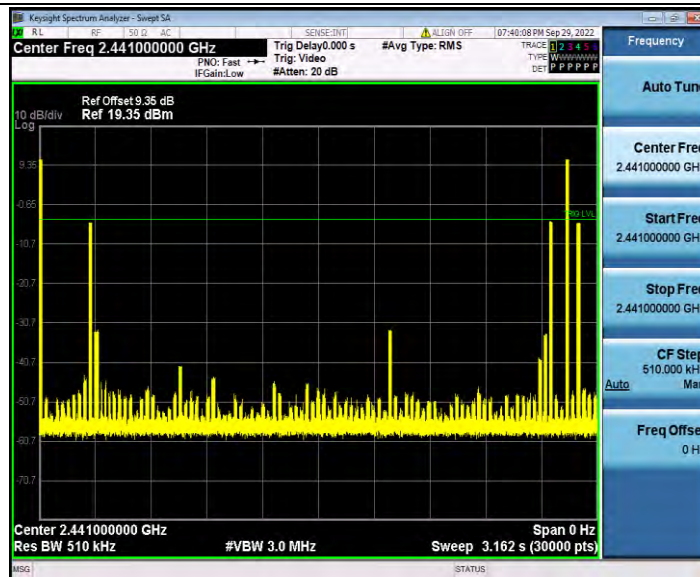
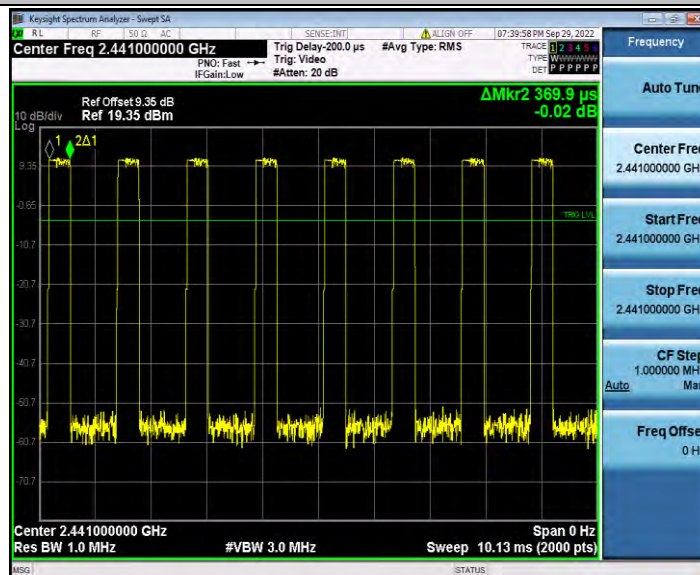


2DH5_Ant1_Hop

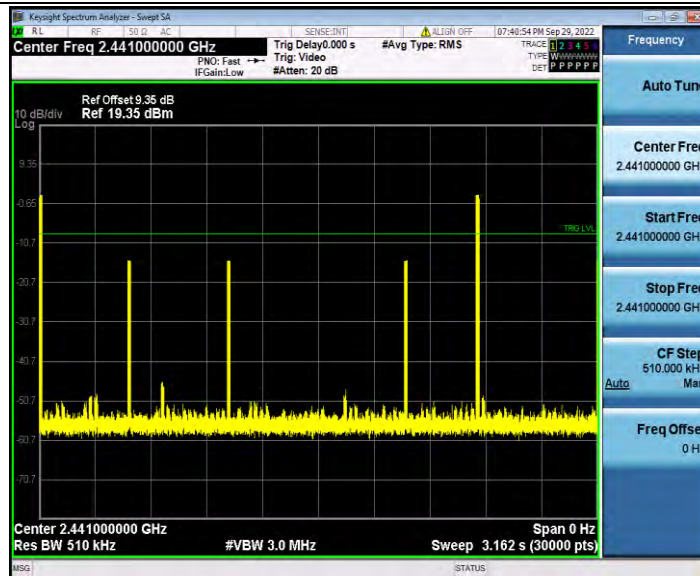
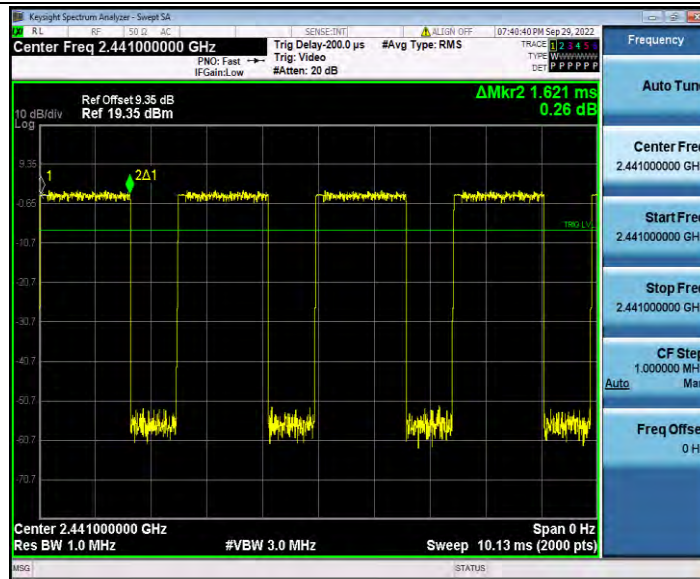




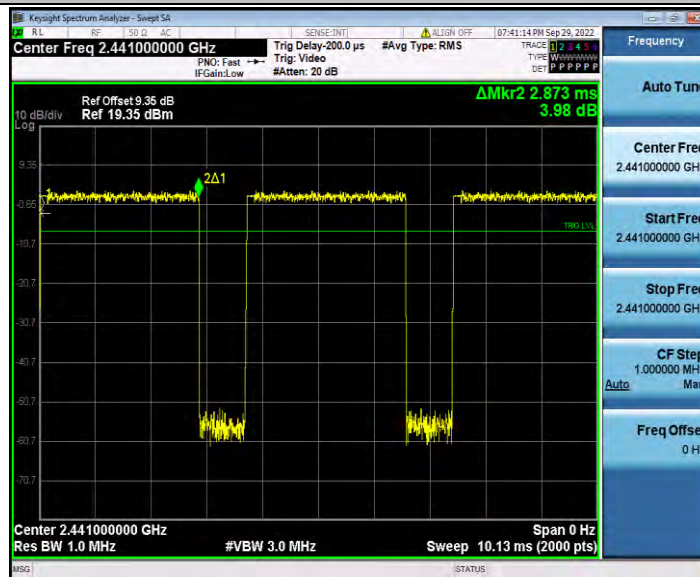
3DH1_Ant1_Hop

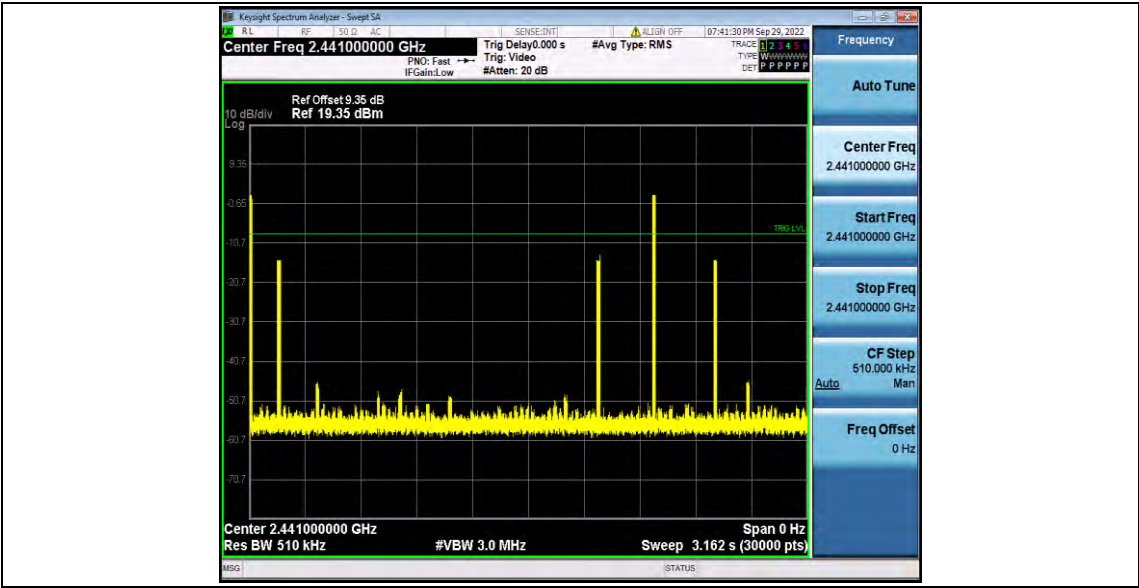


3DH3_Ant1_Hop



3DH5_Ant1_Hop





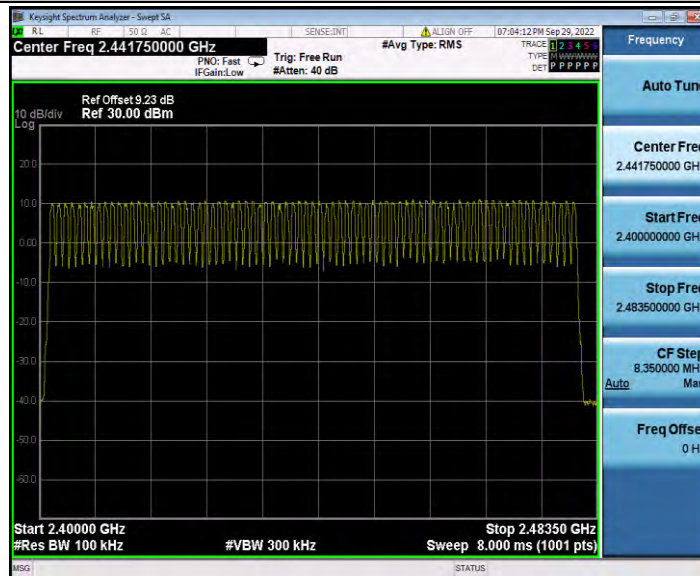
Appendix A.6: Number of hopping channels

Test Result

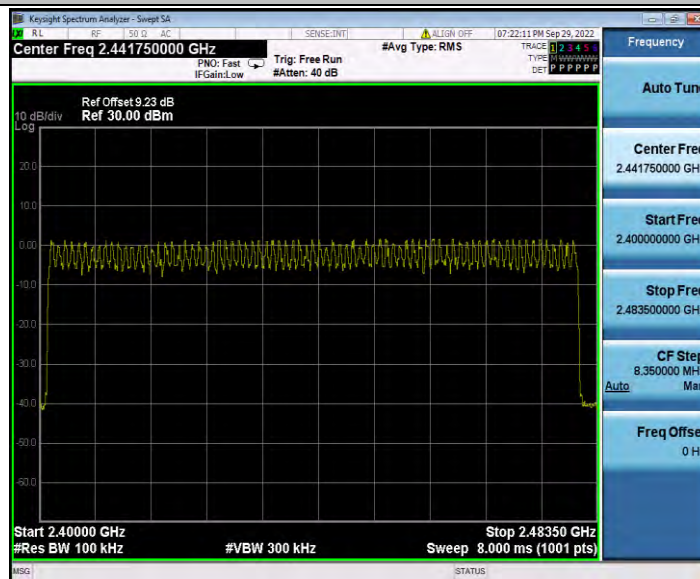
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

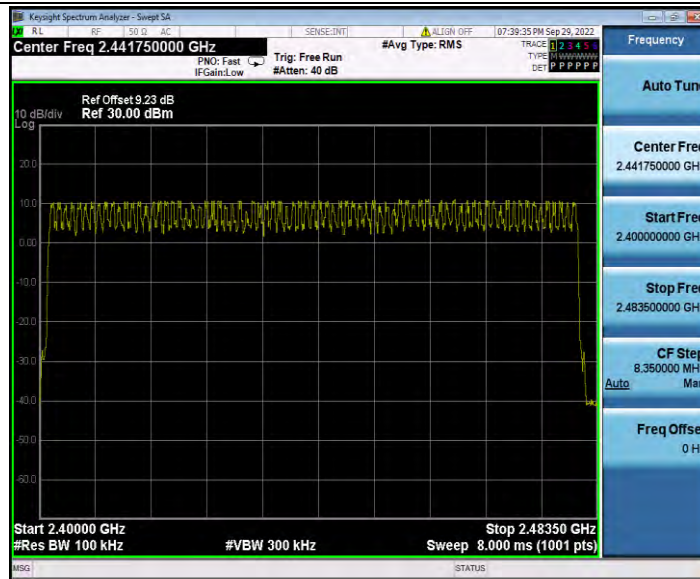
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



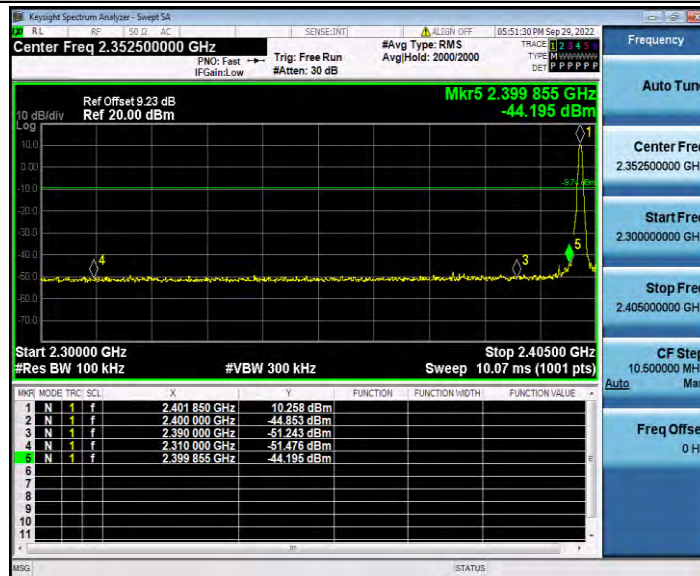
Appendix A.7: Band edge measurements

Test Result

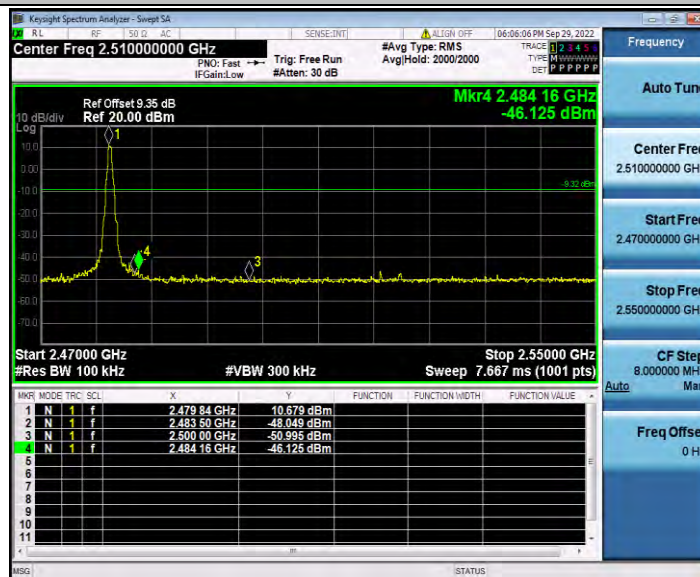
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	10.26	-44.2	≤-9.74	PASS
		High	2480	10.68	-46.13	≤-9.32	PASS
		Low	Hop_2402	10.07	-48.27	≤-9.93	PASS
		High	Hop_2480	0.92	-48.9	≤-19.08	PASS
2DH1	Ant1	Low	2402	1.15	-49.49	≤-18.85	PASS
		High	2480	1.41	-48.62	≤-18.59	PASS
		Low	Hop_2402	0.79	-49.35	≤-19.22	PASS
		High	Hop_2480	1.60	-48.65	≤-18.4	PASS
3DH1	Ant1	Low	2402	10.27	-41.2	≤-9.73	PASS
		High	2480	10.68	-47.65	≤-9.32	PASS
		Low	Hop_2402	0.99	-49.27	≤-19.01	PASS
		High	Hop_2480	1.46	-46.07	≤-18.55	PASS

Test Graphs

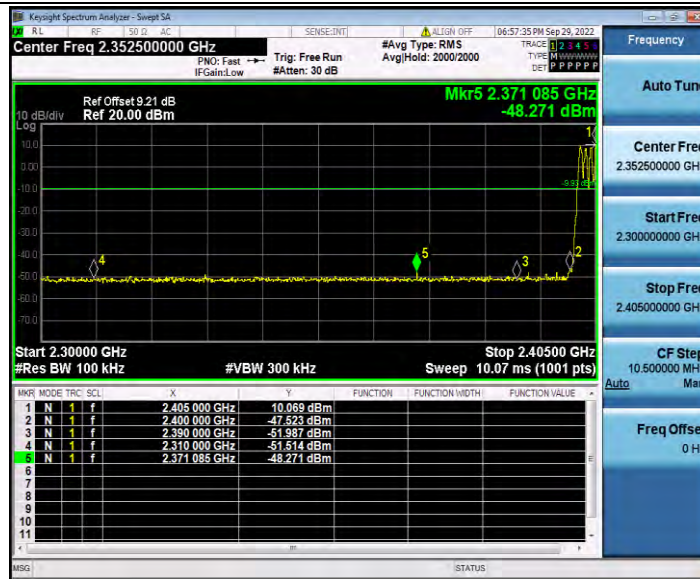
DH1_Ant1_Low_2402



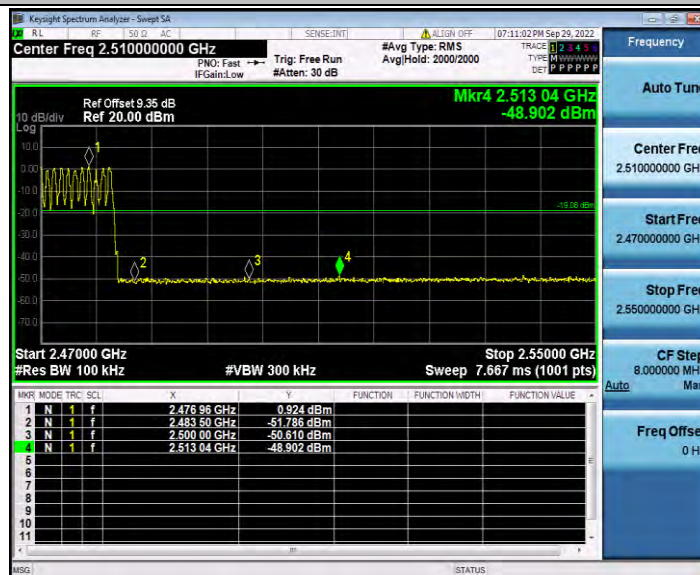
DH1_Ant1_High_2480



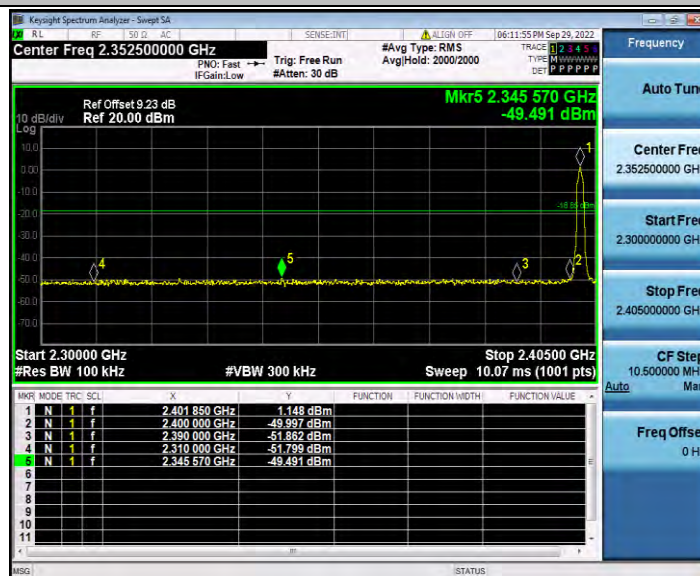
DH1_Ant1_Low_Hop_2402



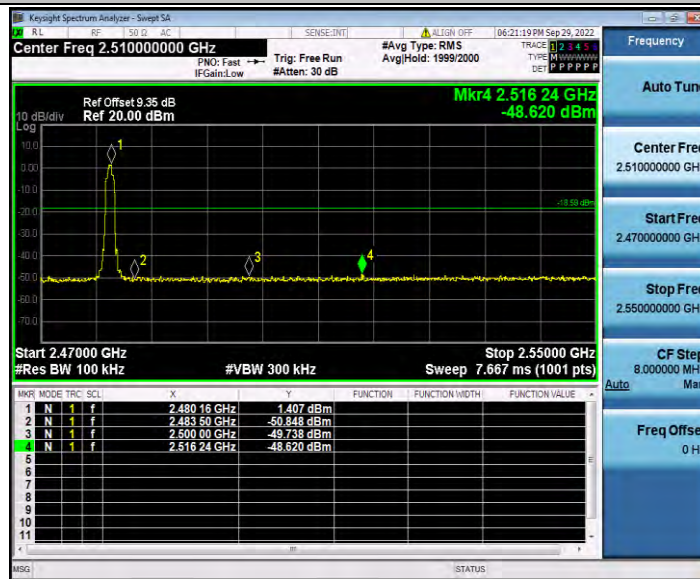
DH1_Ant1_High_Hop_2480



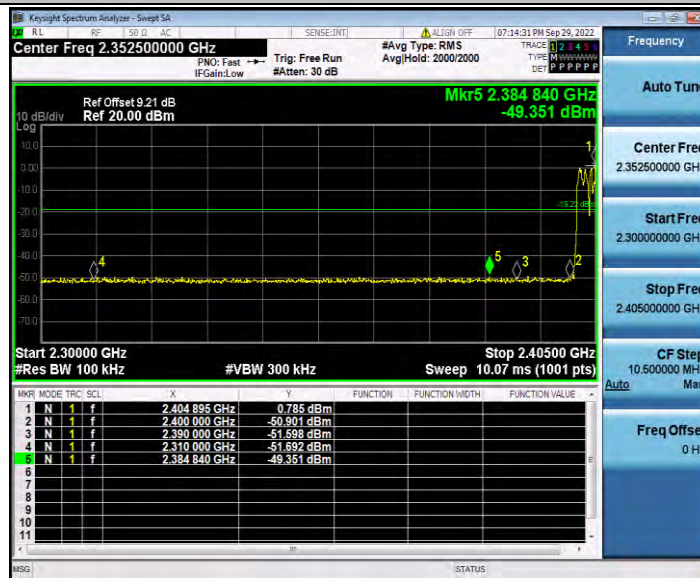
2DH1_Ant1_Low_2402



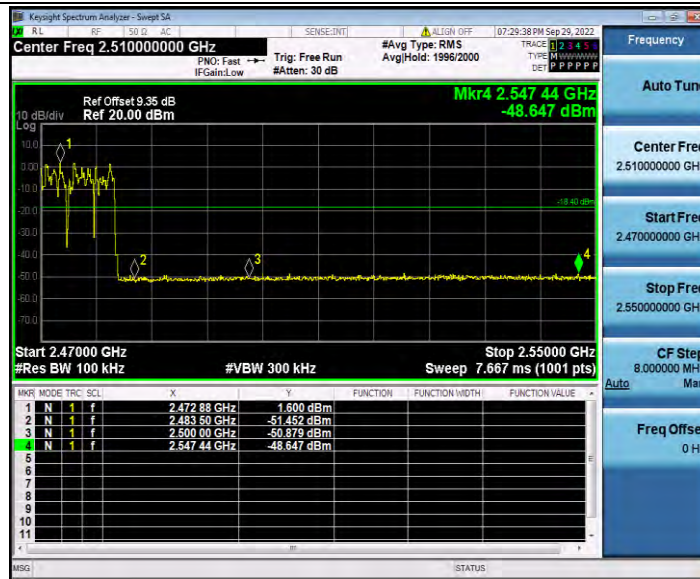
2DH1_Ant1_High_2480



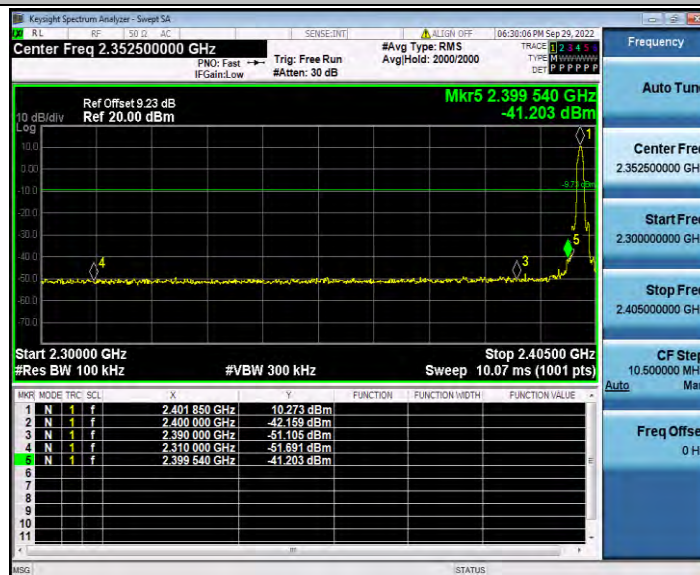
2DH1_Ant1_Low_Hop_2402



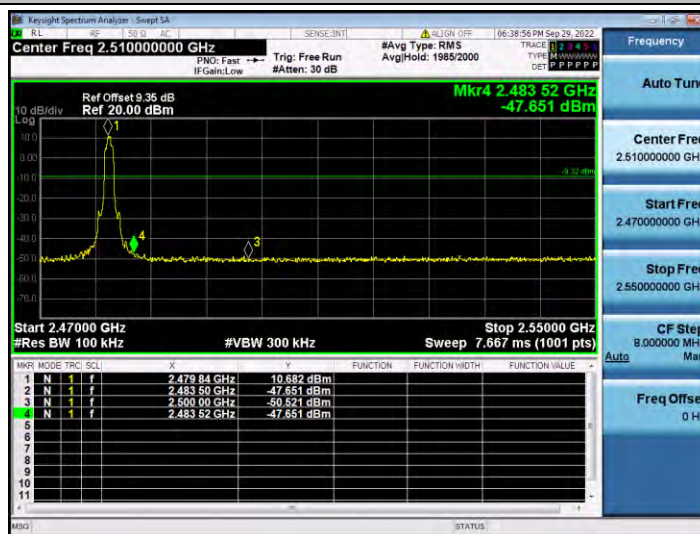
2DH1_Ant1_High_Hop_2480



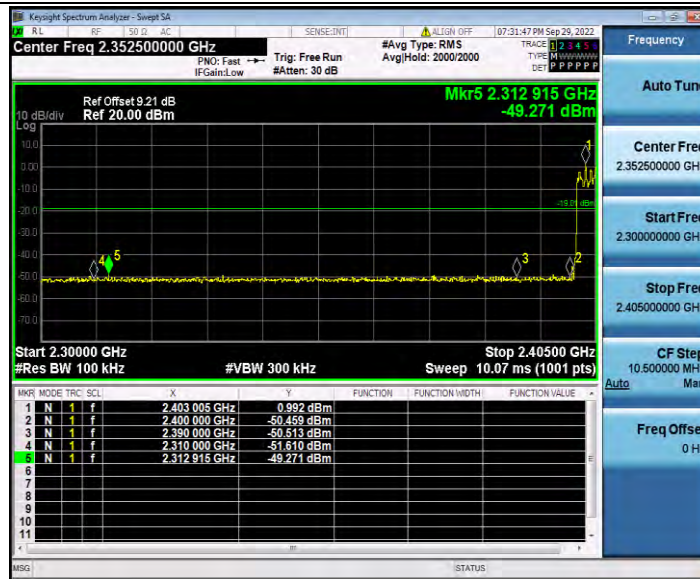
3DH1_Ant1_Low_2402



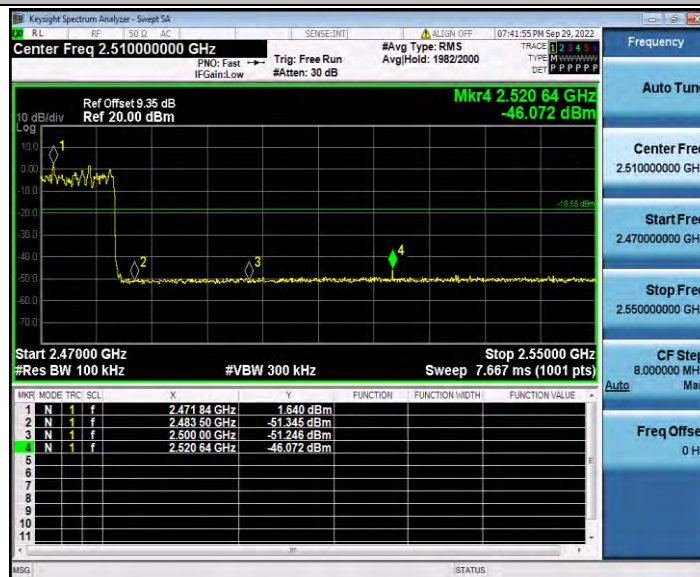
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.8: Conducted Spurious Emission

Test Result

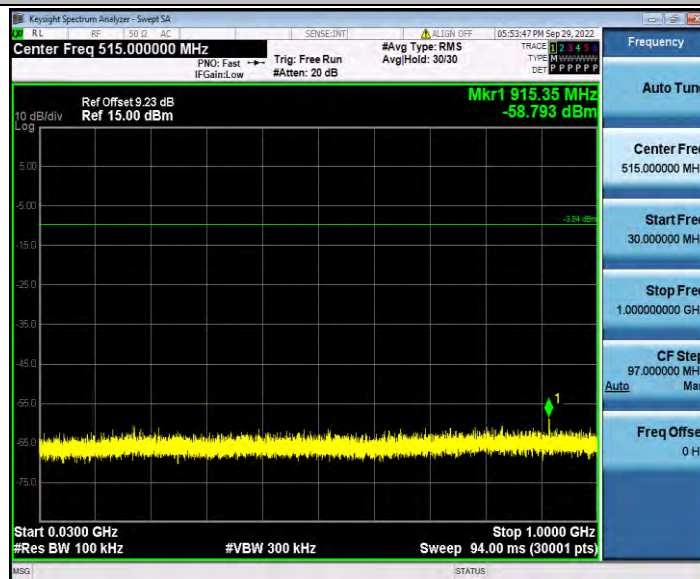
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	10.16	10.16	---	PASS
			30~1000	10.16	-58.79	≤-9.84	PASS
			1000~26500	10.16	-39.48	≤-9.84	PASS
		2441	Reference	10.32	10.32	---	PASS
			30~1000	10.32	-60.29	≤-9.68	PASS
			1000~26500	10.32	-39.98	≤-9.68	PASS
		2480	Reference	9.63	9.63	---	PASS
			30~1000	9.63	-60.14	≤-10.37	PASS
			1000~26500	9.63	-40.43	≤-10.37	PASS
2DH1	Ant1	2402	Reference	-0.25	-0.25	---	PASS
			30~1000	-0.25	-50.87	≤-20.25	PASS
			1000~26500	-0.25	-47.75	≤-20.25	PASS
		2441	Reference	3.76	3.76	---	PASS
			30~1000	3.76	-60.14	≤-16.24	PASS
			1000~26500	3.76	-31.27	≤-16.24	PASS
		2480	Reference	1.31	1.31	---	PASS
			30~1000	1.31	-60.41	≤-18.69	PASS
			1000~26500	1.31	-46.89	≤-18.69	PASS
3DH1	Ant1	2402	Reference	10.19	10.19	---	PASS
			30~1000	10.19	-58.65	≤-9.81	PASS
			1000~26500	10.19	-41.35	≤-9.81	PASS
		2441	Reference	10.19	10.19	---	PASS
			30~1000	10.19	-59.84	≤-9.81	PASS
			1000~26500	10.19	-41.11	≤-9.81	PASS
		2480	Reference	9.23	9.23	---	PASS
			30~1000	9.23	-60.39	≤-10.77	PASS
			1000~26500	9.23	-40.69	≤-10.77	PASS

Test Graphs

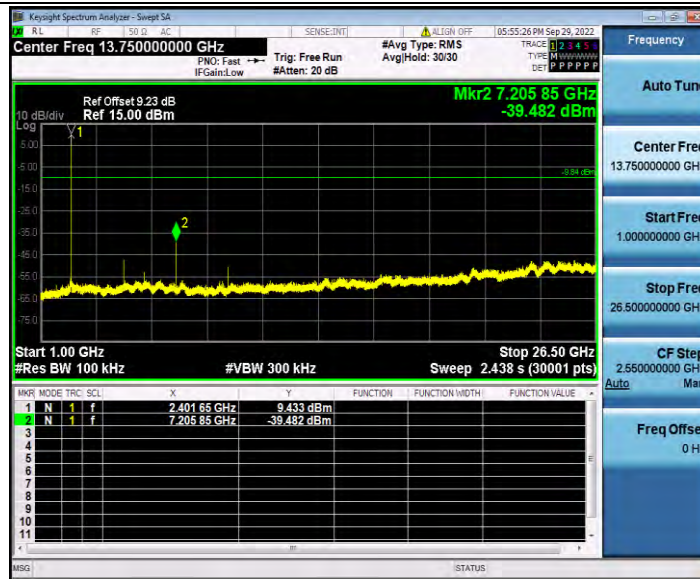
DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



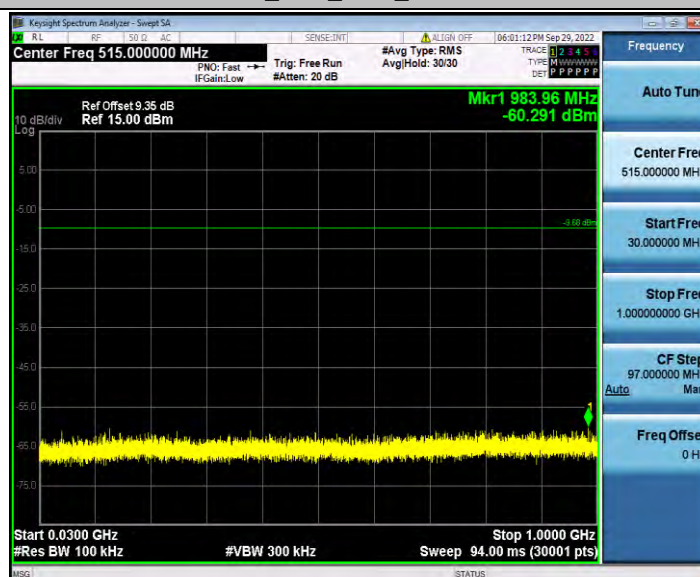
DH1_Ant1_2402_1000~26500



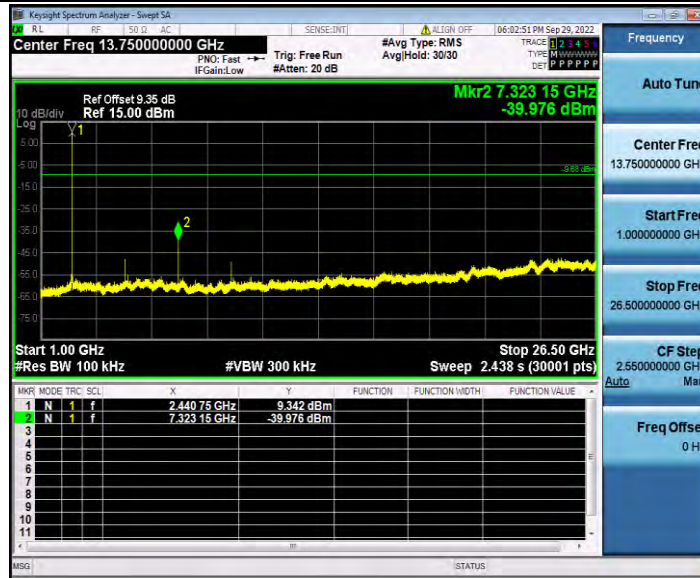
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



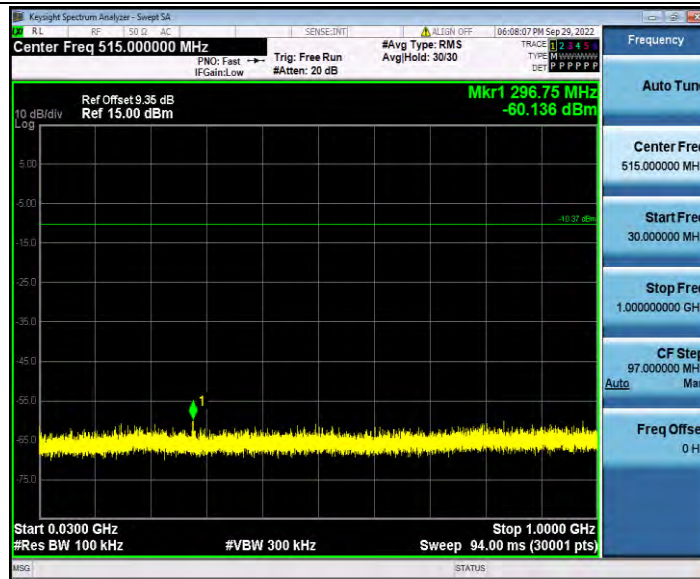
DH1_Ant1_2441_1000~26500



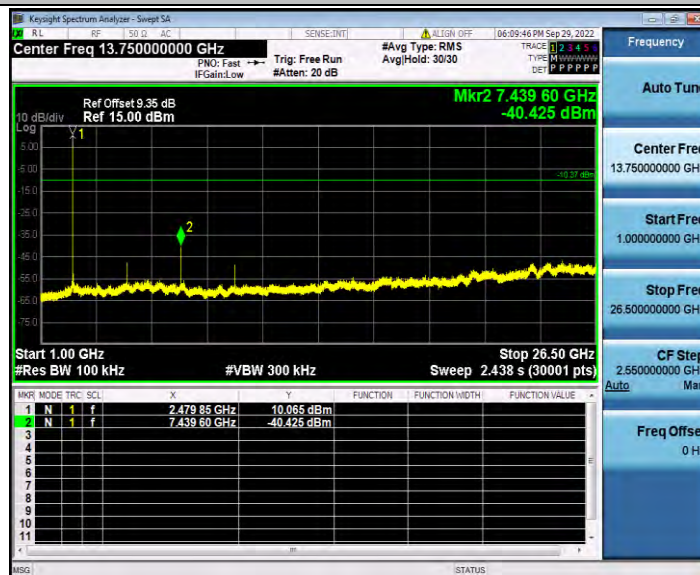
DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



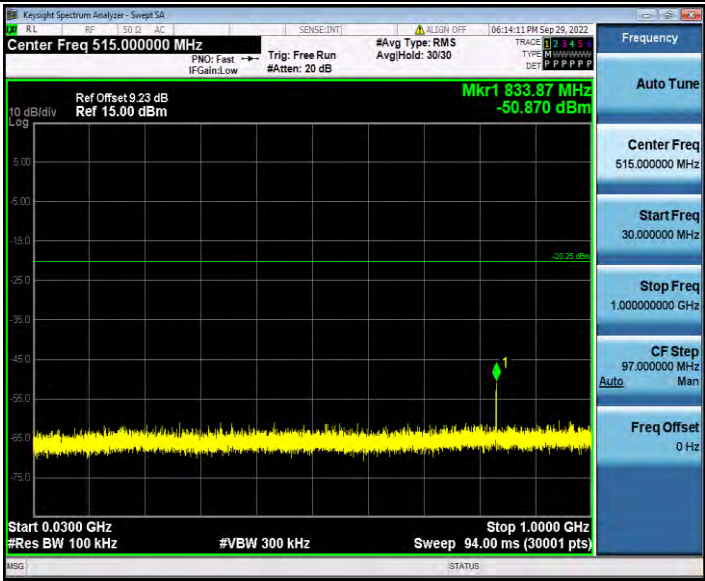
DH1_Ant1_2480_1000~26500



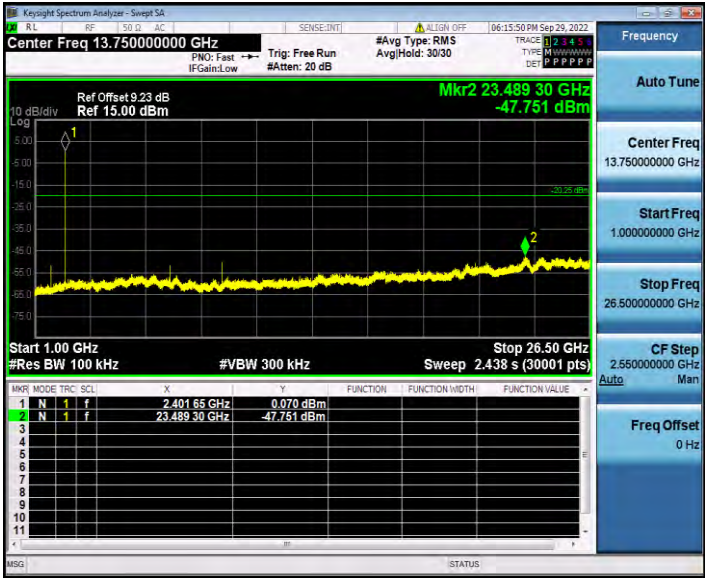
2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



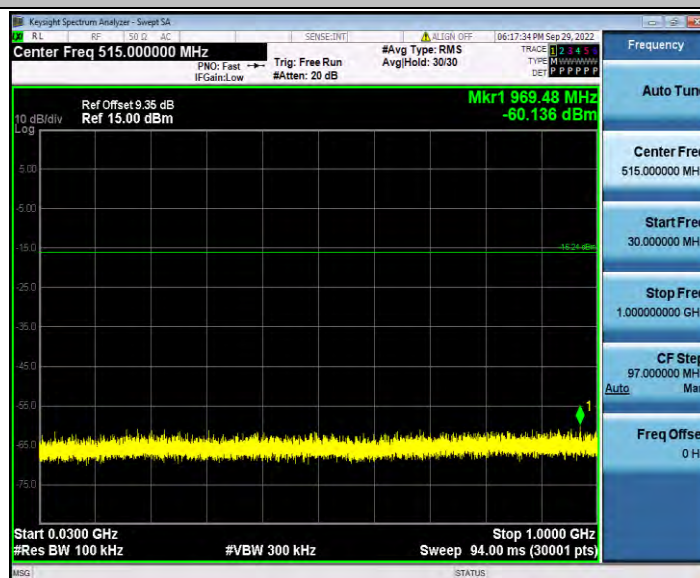
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



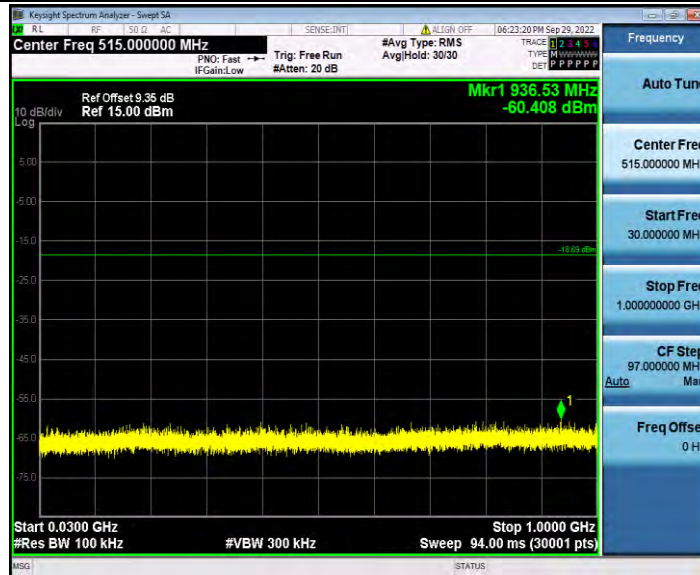
2DH1_Ant1_2441_1000~26500



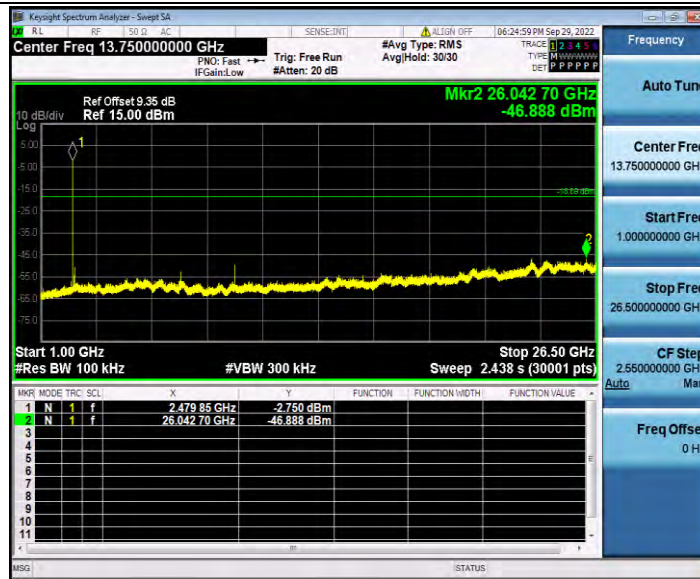
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



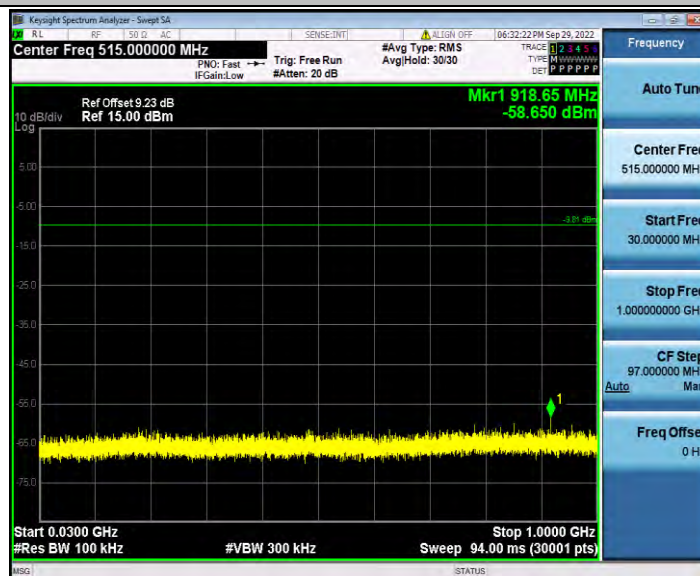
2DH1_Ant1_2480_1000~26500



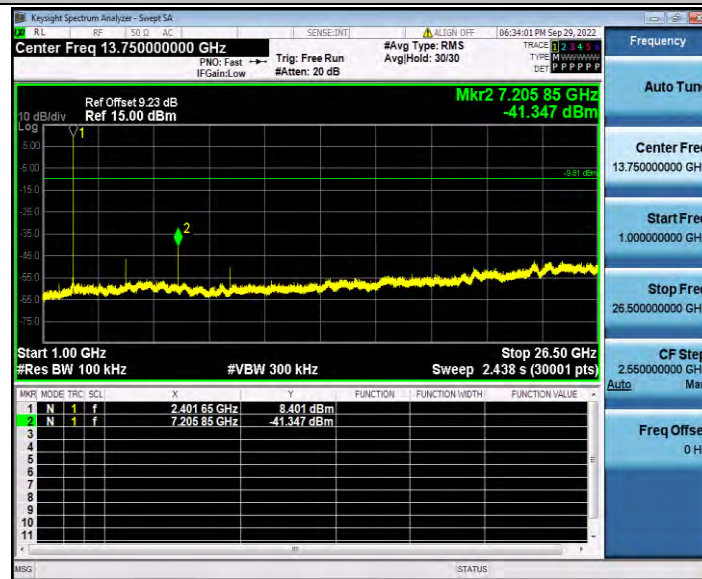
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



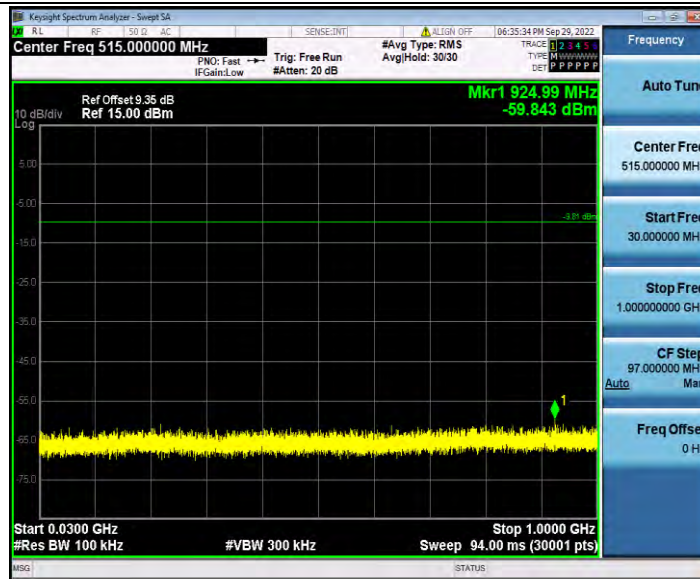
3DH1_Ant1_2402_1000~26500



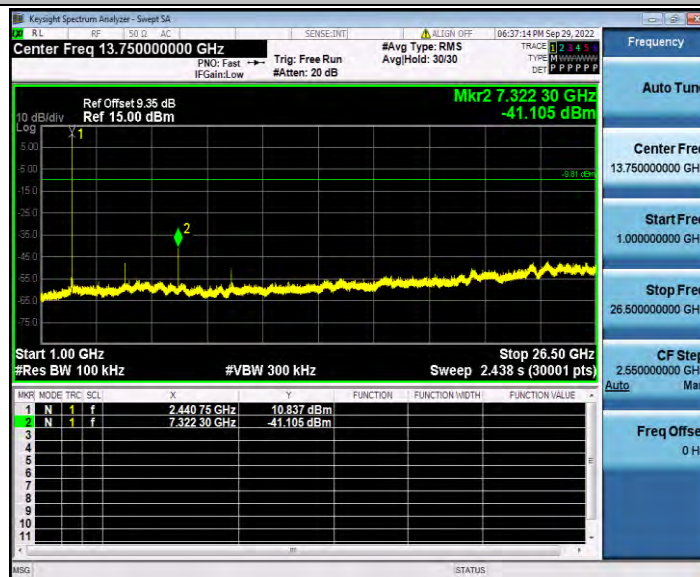
3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



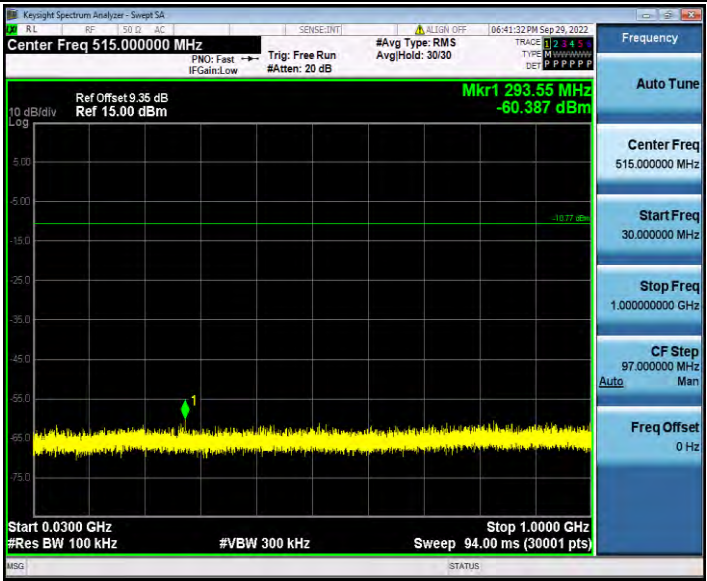
3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500

