

Case No. : GTS20220630010-1-1	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.7.11	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	0.792	2401.595	2402.387	---	---
		2441	0.801	2440.595	2441.396	---	---
		2480	0.855	2479.553	2480.408	---	---
2DH1	Ant1	2402	1.239	2401.367	2402.606	---	---
		2441	1.227	2440.376	2441.603	---	---
		2480	1.218	2479.370	2480.588	---	---
3DH1	Ant1	2402	1.221	2401.397	2402.618	---	---
		2441	1.224	2440.400	2441.624	---	---
		2480	1.248	2479.376	2480.624	---	---

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



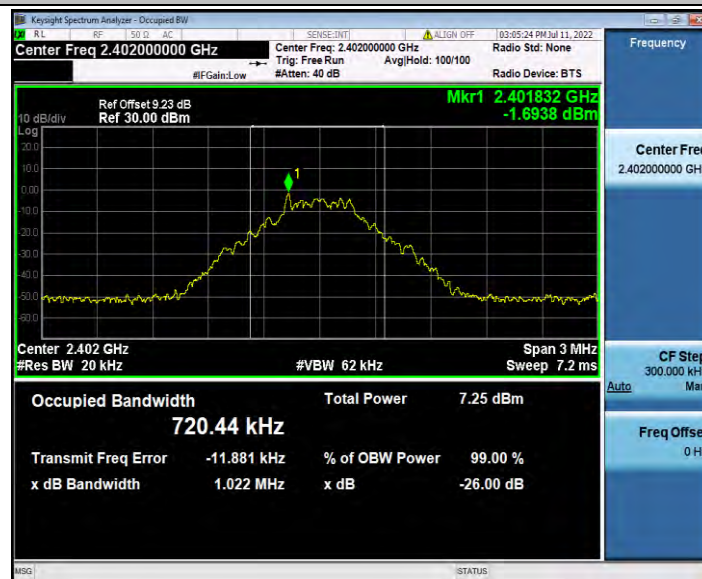
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.72044	2401.628	2402.348	---	---
		2441	0.70769	2440.634	2441.341	---	---
		2480	0.71461	2479.630	2480.345	---	---
2DH1	Ant1	2402	1.1438	2401.422	2402.566	---	---
		2441	1.1368	2440.426	2441.563	---	---
		2480	1.1413	2479.421	2480.562	---	---
3DH1	Ant1	2402	1.1412	2401.434	2402.575	---	---
		2441	1.1338	2440.437	2441.571	---	---
		2480	1.1401	2479.436	2480.576	---	---

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	1.144	≥ 0.855	PASS
		Hop_2441	0.846	≥ 0.570	PASS
		Hop_2480	0.986	≥ 0.855	PASS
2DH1	Ant1	Hop_2402	0.984	≥ 0.826	PASS
		Hop_2441	0.998	≥ 0.826	PASS
		Hop_2480	1.008	≥ 0.826	PASS
3DH1	Ant1	Hop_2402	1.166	≥ 0.832	PASS
		Hop_2441	1.01	≥ 0.832	PASS
		Hop_2480	1.014	≥ 0.832	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



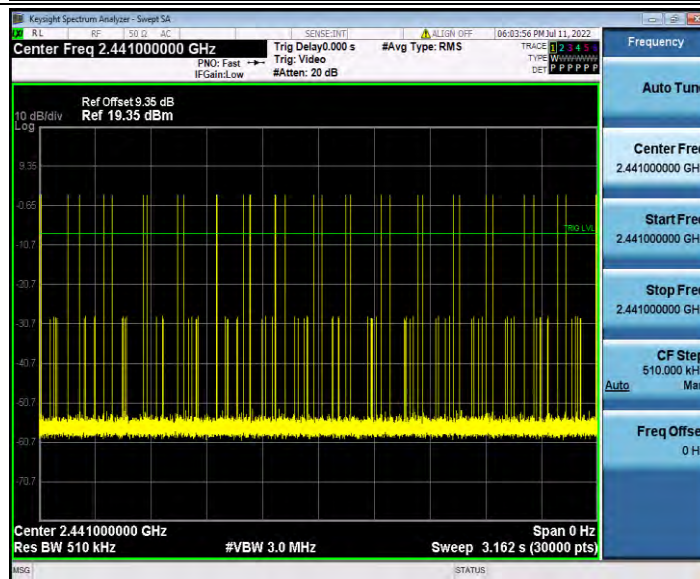
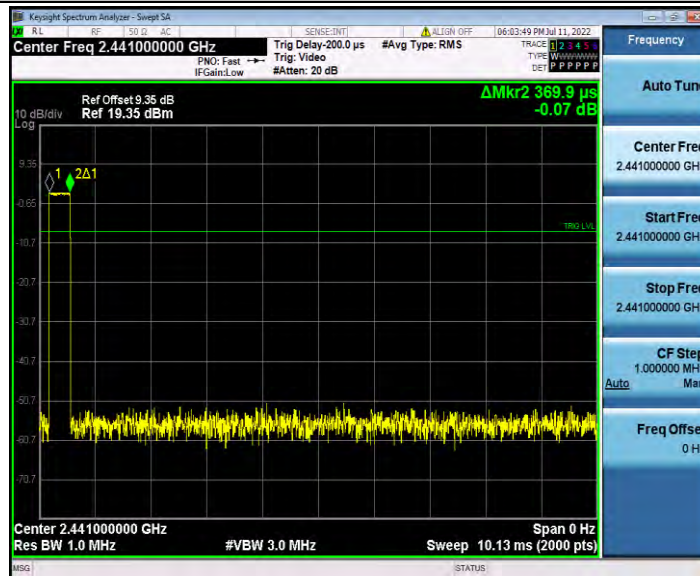
Appendix A.4: Time of occupancy

Test Result

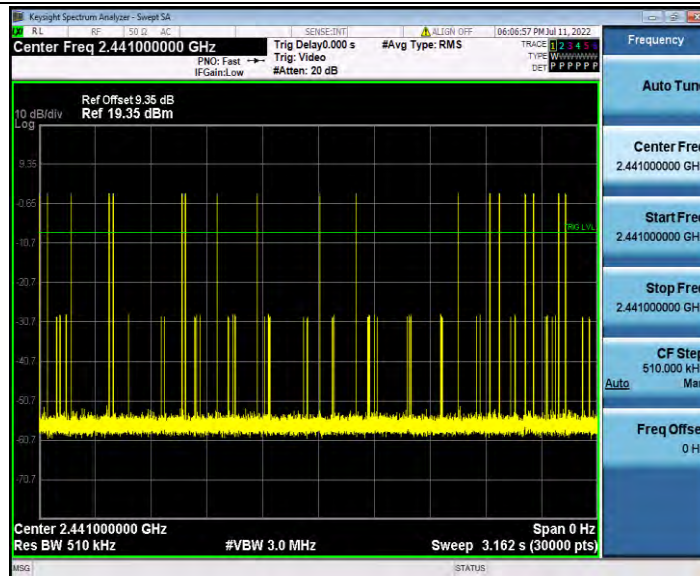
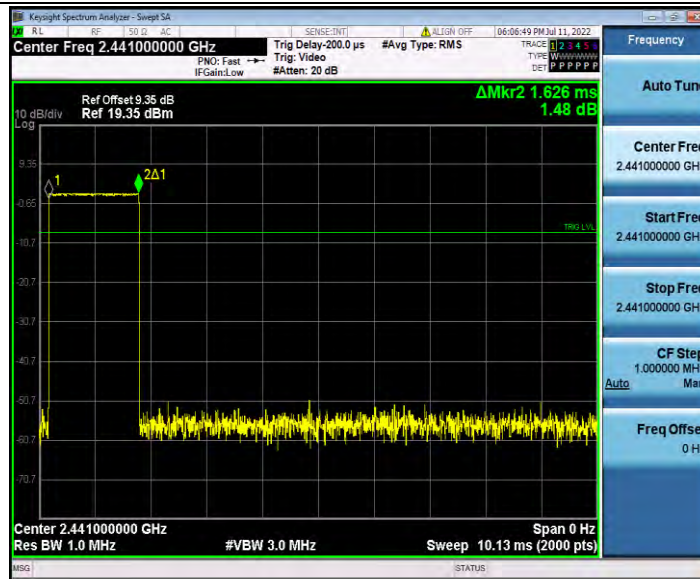
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	330	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.63	180	0.293	≤0.4	PASS
DH5	Ant1	Hop	2.87	120	0.344	≤0.4	PASS
2DH1	Ant1	Hop	0.37	330	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.63	150	0.244	≤0.4	PASS
2DH5	Ant1	Hop	2.87	120	0.345	≤0.4	PASS
3DH1	Ant1	Hop	0.38	330	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.63	160	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.88	120	0.345	≤0.4	PASS

Test Graphs

DH1_Ant1_Hop

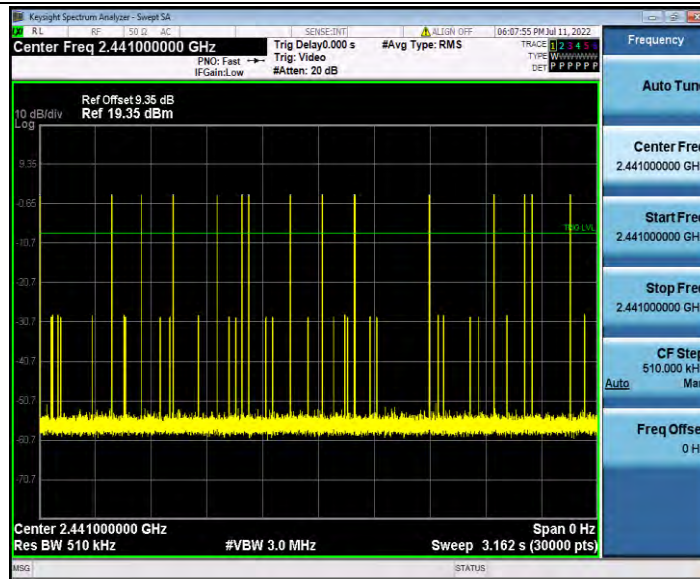


DH3_Ant1_Hop

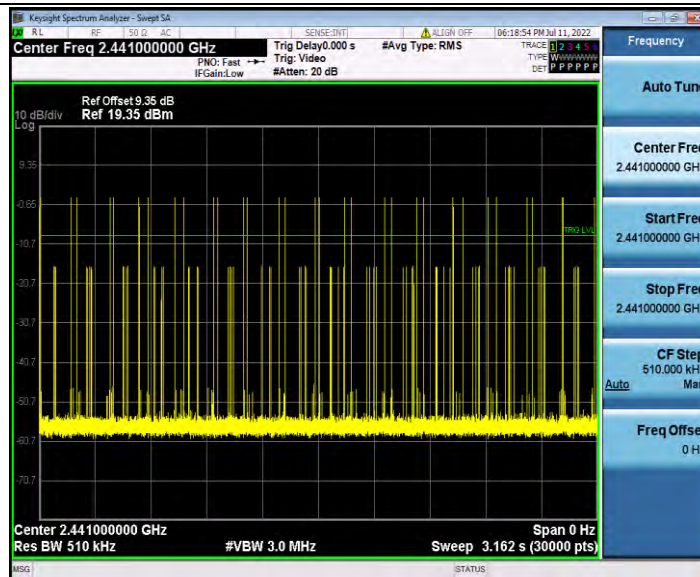
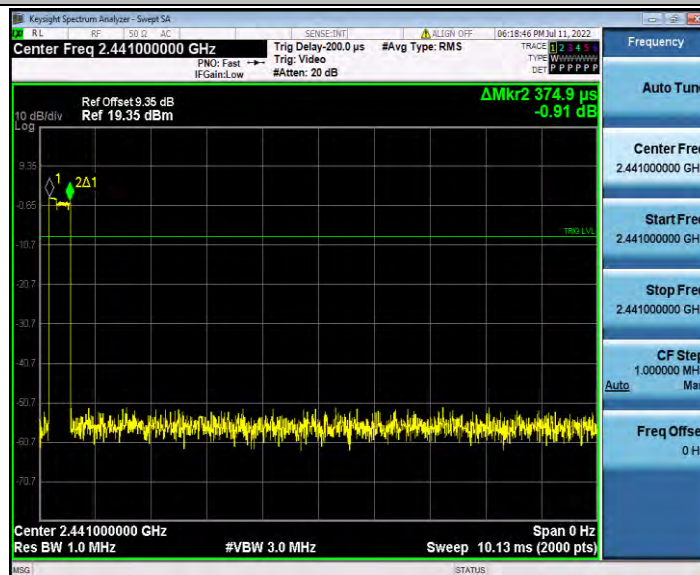


DH5_Ant1_Hop

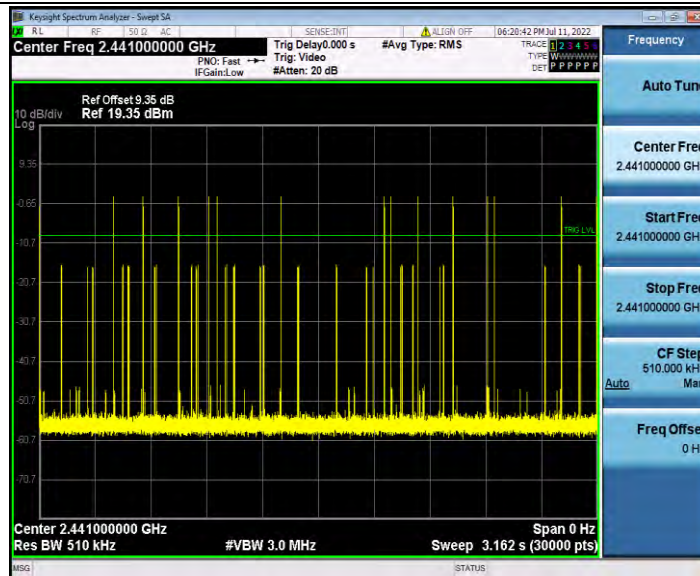
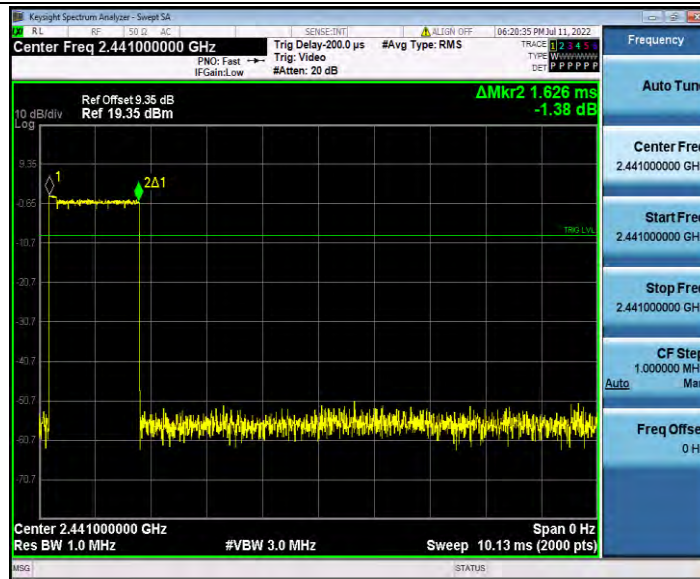




2DH1_Ant1_Hop

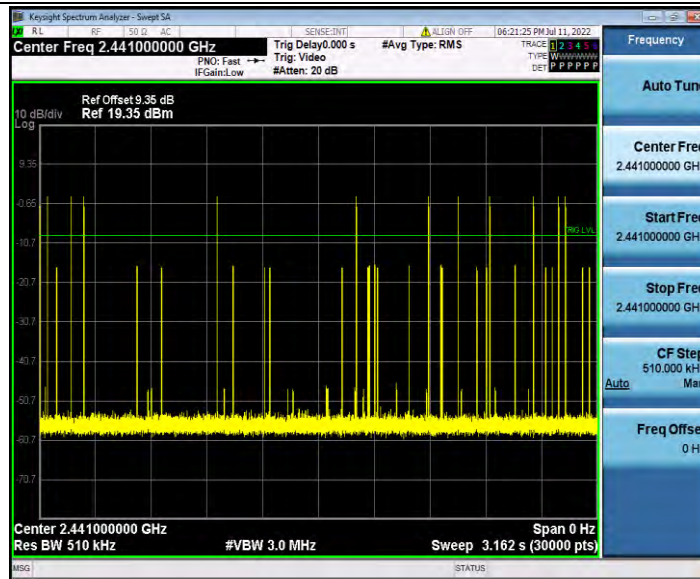


2DH3_Ant1_Hop

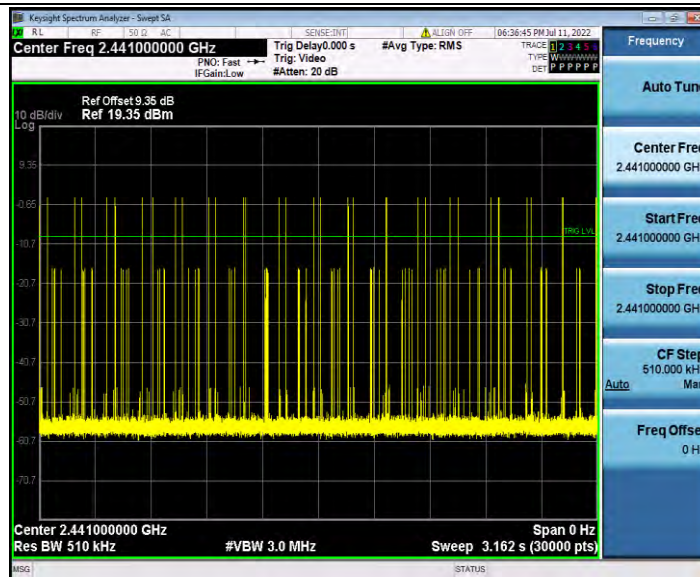
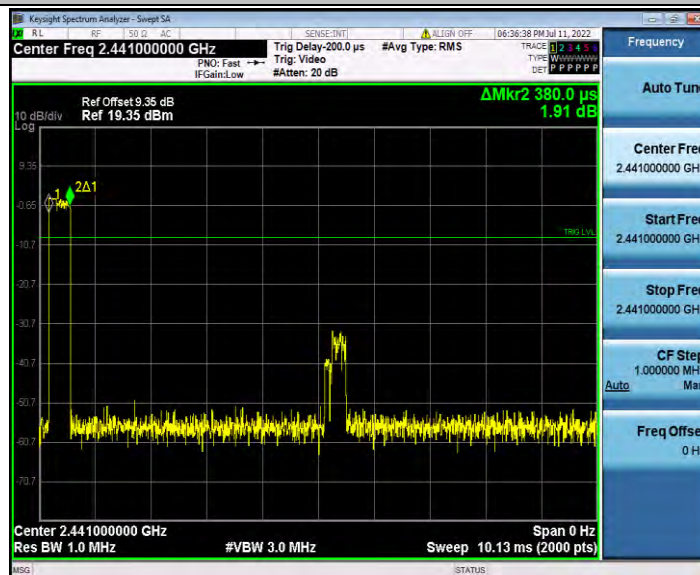


2DH5_Ant1_Hop

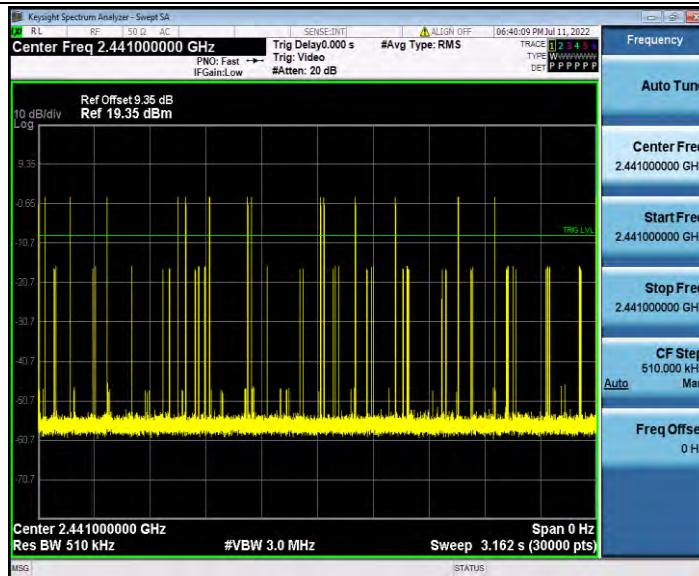
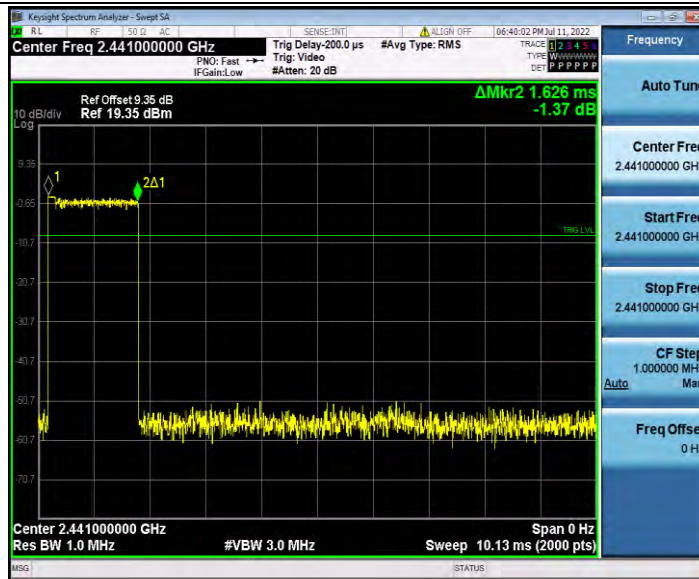




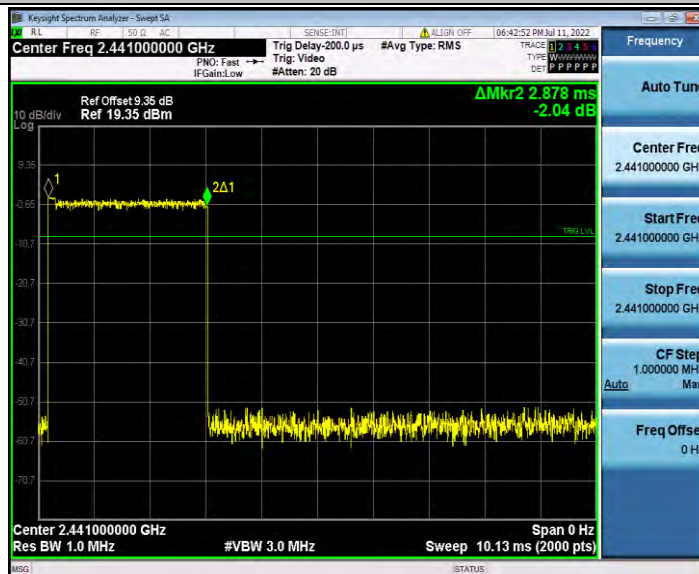
3DH1_Ant1_Hop

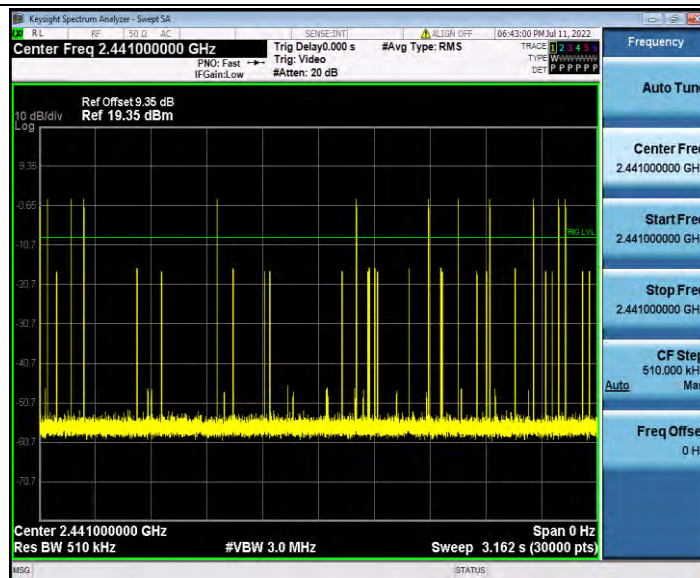


3DH3_Ant1_Hop



3DH5_Ant1_Hop





Appendix A.5: Number of hopping channels

Test Result

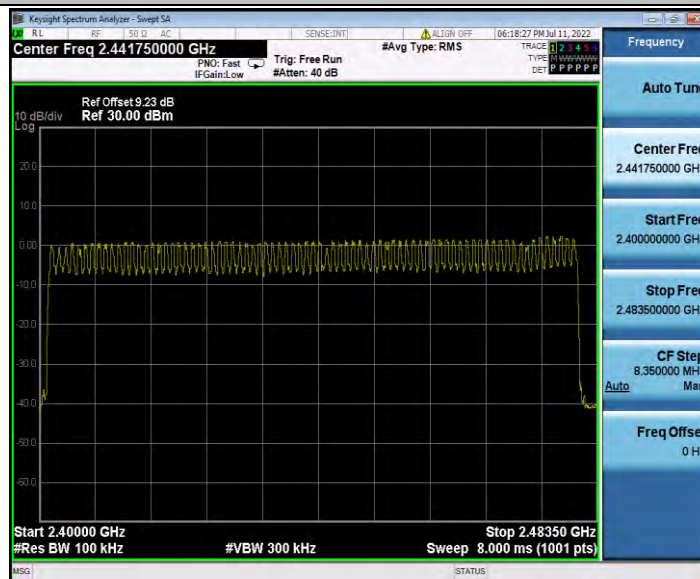
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

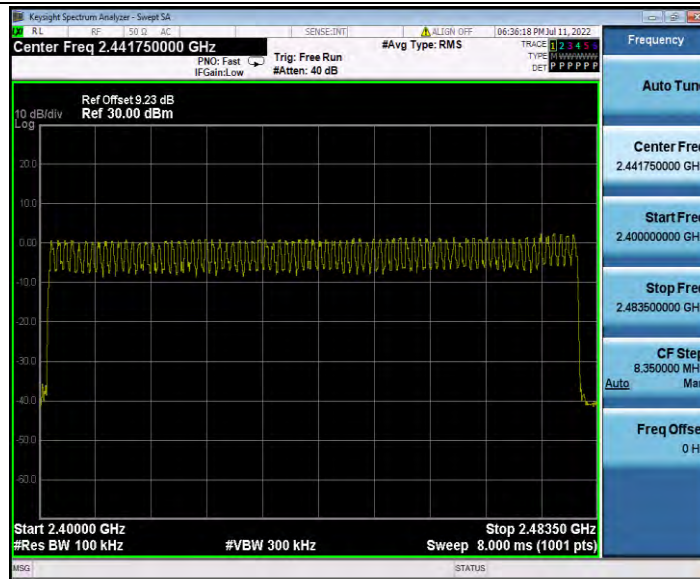
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



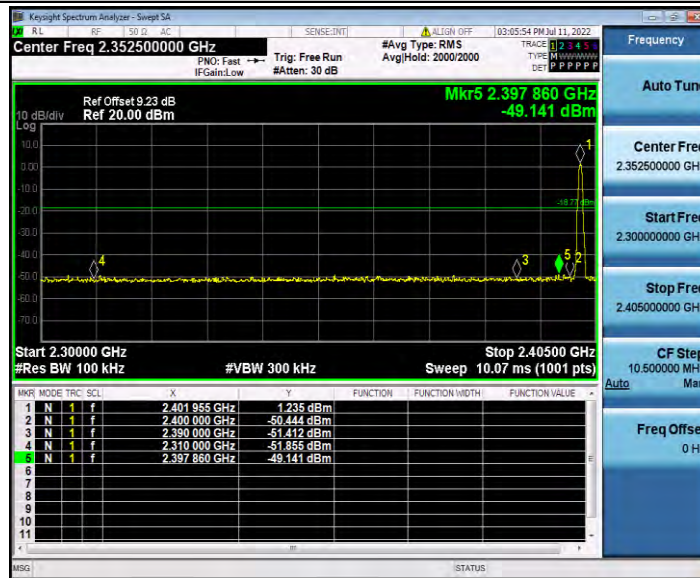
Appendix A.6: Band edge measurements

Test Result

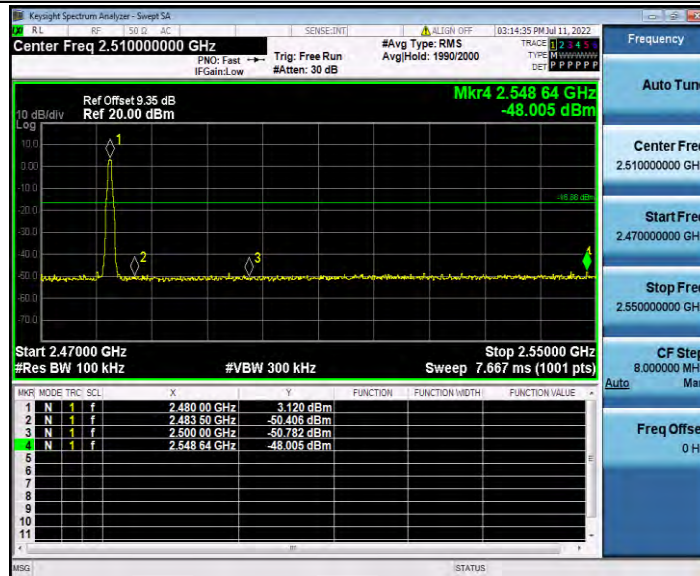
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	1.24	-49.14	≤-18.77	PASS
		High	2480	3.12	-48.01	≤-16.88	PASS
		Low	Hop_2402	0.78	-48.98	≤-19.22	PASS
		High	Hop_2480	3.17	-48.22	≤-16.83	PASS
2DH1	Ant1	Low	2402	0.53	-49.38	≤-19.47	PASS
		High	2480	2.37	-48.16	≤-17.63	PASS
		Low	Hop_2402	0.53	-49.39	≤-19.47	PASS
		High	Hop_2480	1.57	-48.21	≤-18.43	PASS
3DH1	Ant1	Low	2402	0.59	-49.15	≤-19.41	PASS
		High	2480	2.55	-48.41	≤-17.45	PASS
		Low	Hop_2402	0.62	-49.39	≤-19.39	PASS
		High	Hop_2480	0.65	-48.63	≤-19.36	PASS

Test Graphs

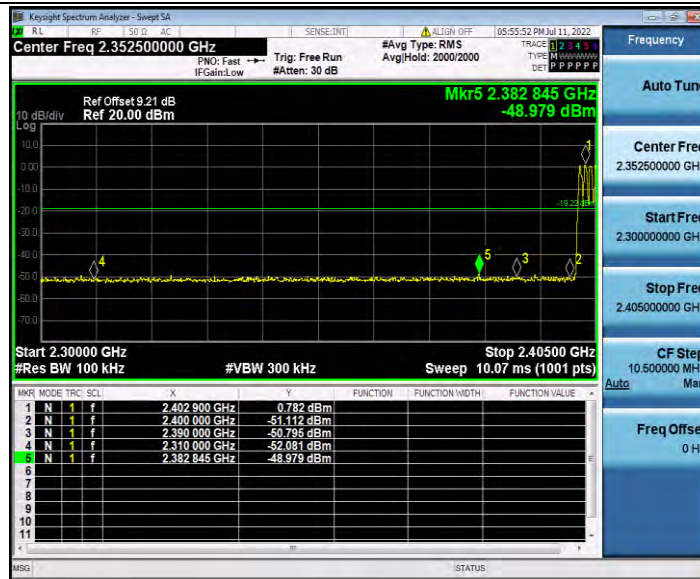
DH1_Ant1_Low_2402



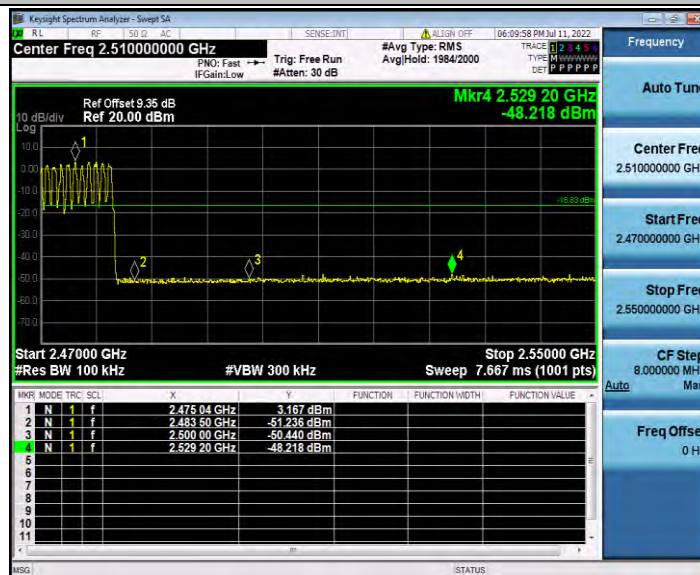
DH1_Ant1_High_2480



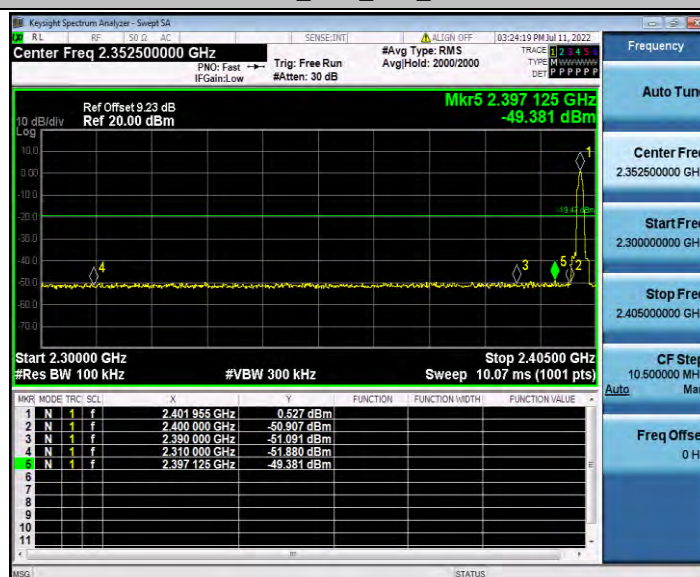
DH1_Ant1_Low_Hop_2402



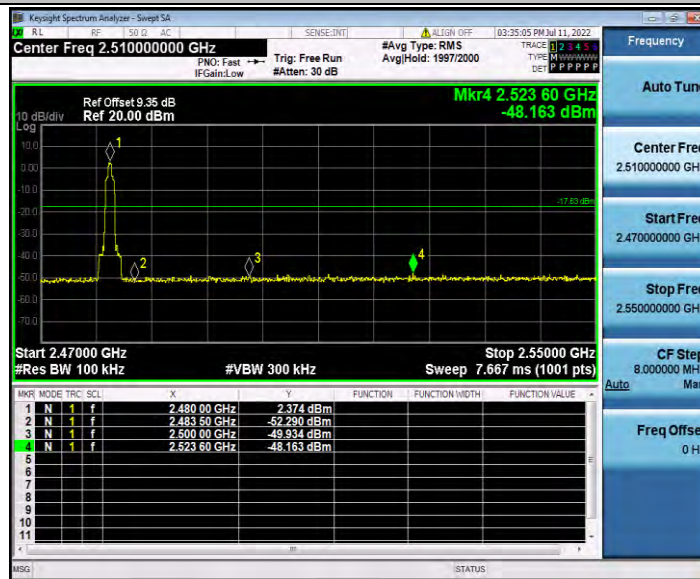
DH1_Ant1_High_Hop_2480



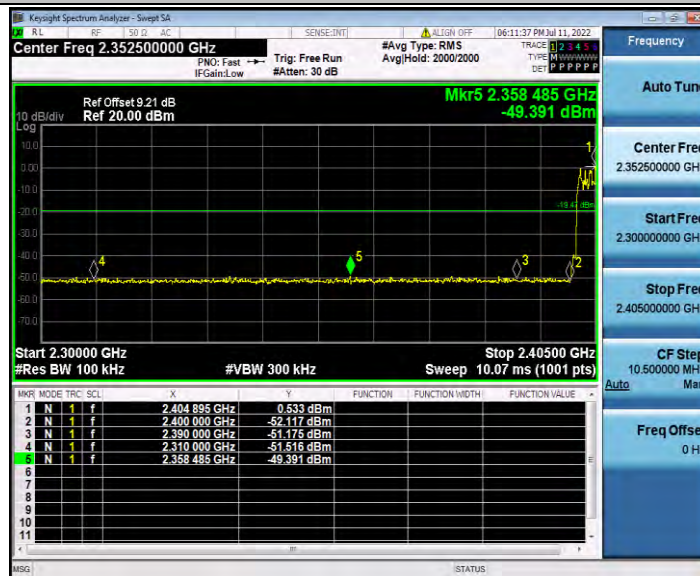
2DH1_Ant1_Low_2402



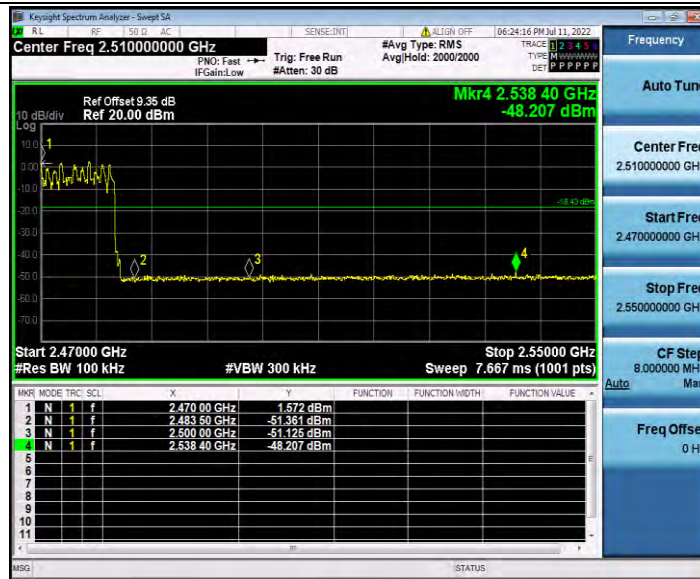
2DH1_Ant1_High_2480



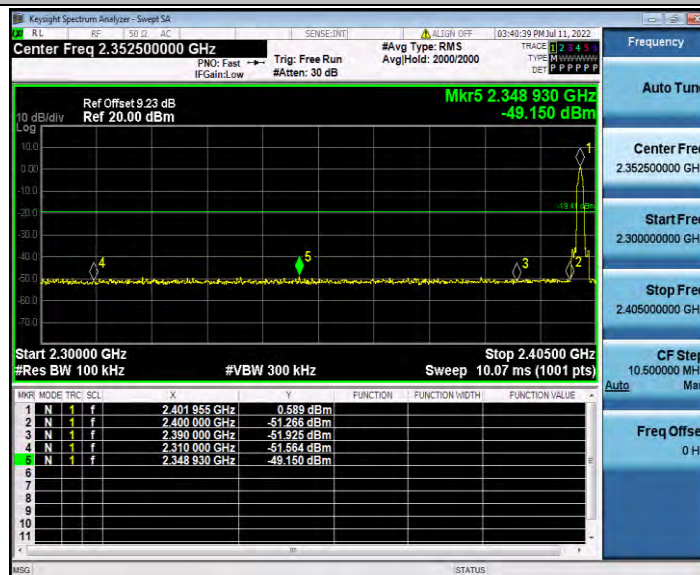
2DH1_Ant1_Low_Hop_2402



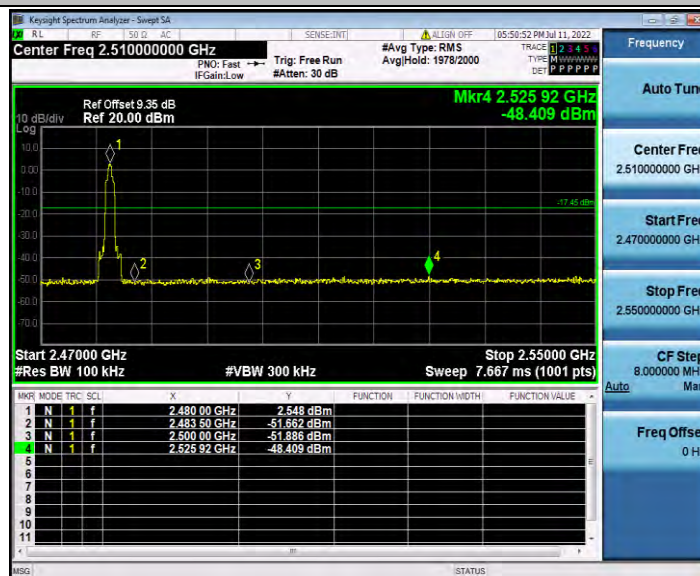
2DH1_Ant1_High_Hop_2480



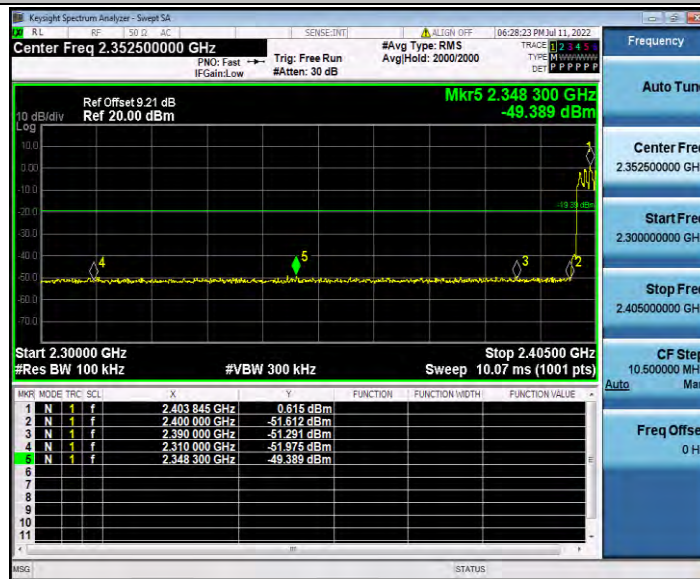
3DH1_Ant1_Low_2402



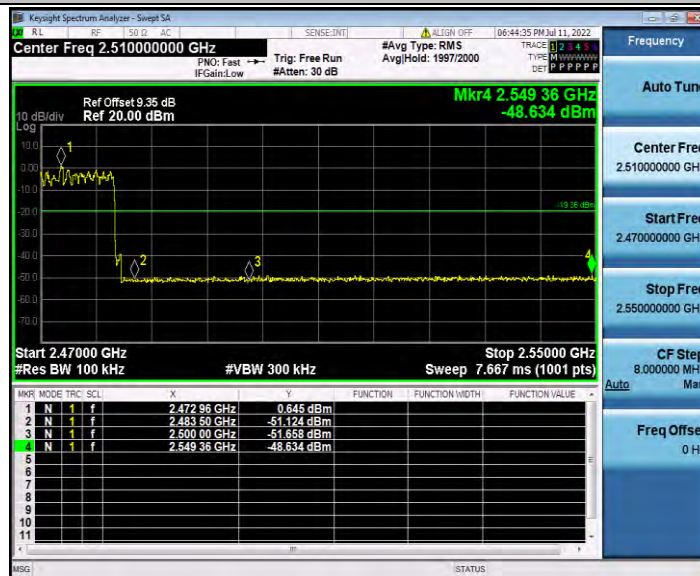
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.7: Conducted Spurious Emission

Test Result

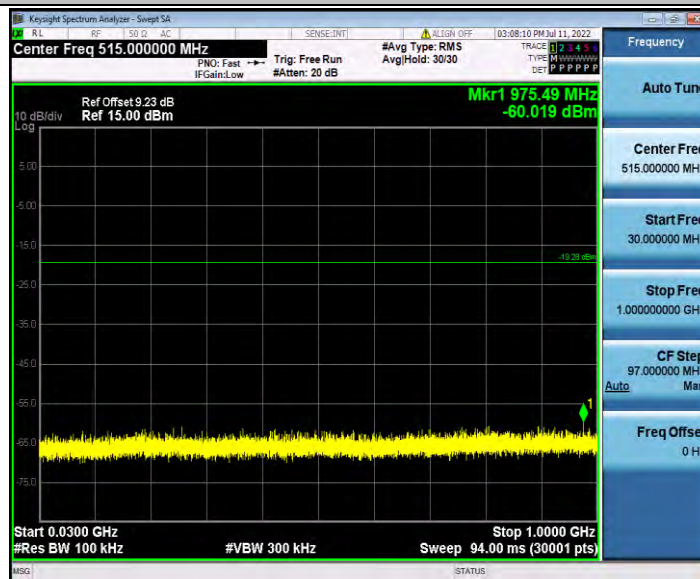
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	0.72	0.72	---	PASS
			30~1000	0.72	-60.02	≤-19.28	PASS
			1000~26500	0.72	-47.5	≤-19.28	PASS
		2441	Reference	1.27	1.27	---	PASS
			30~1000	1.27	-60.17	≤-18.73	PASS
			1000~26500	1.27	-48.13	≤-18.73	PASS
		2480	Reference	2.53	2.53	---	PASS
			30~1000	2.53	-60.25	≤-17.47	PASS
			1000~26500	2.53	-46.8	≤-17.47	PASS
2DH1	Ant1	2402	Reference	0.08	0.08	---	PASS
			30~1000	0.08	-59.64	≤-19.92	PASS
			1000~26500	0.08	-47.67	≤-19.92	PASS
		2441	Reference	0.76	0.76	---	PASS
			30~1000	0.76	-59.98	≤-19.24	PASS
			1000~26500	0.76	-47.3	≤-19.24	PASS
		2480	Reference	2.02	2.02	---	PASS
			30~1000	2.02	-60.4	≤-17.98	PASS
			1000~26500	2.02	-47.06	≤-17.98	PASS
3DH1	Ant1	2402	Reference	0.15	0.15	---	PASS
			30~1000	0.15	-60.81	≤-19.85	PASS
			1000~26500	0.15	-47.31	≤-19.85	PASS
		2441	Reference	0.68	0.68	---	PASS
			30~1000	0.68	-59.83	≤-19.32	PASS
			1000~26500	0.68	-46.26	≤-19.32	PASS
		2480	Reference	2.08	2.08	---	PASS
			30~1000	2.08	-59.74	≤-17.92	PASS
			1000~26500	2.08	-47.19	≤-17.92	PASS

Test Graphs

DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



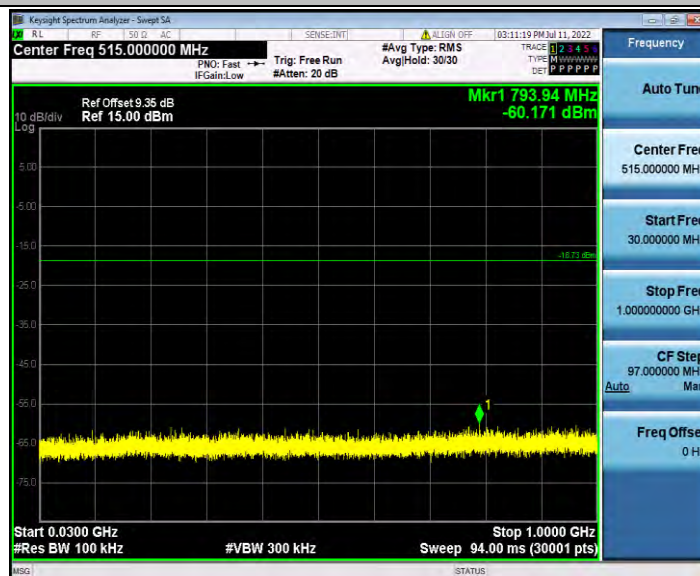
DH1_Ant1_2402_1000~26500



DH1_Ant1_2441_0~Reference



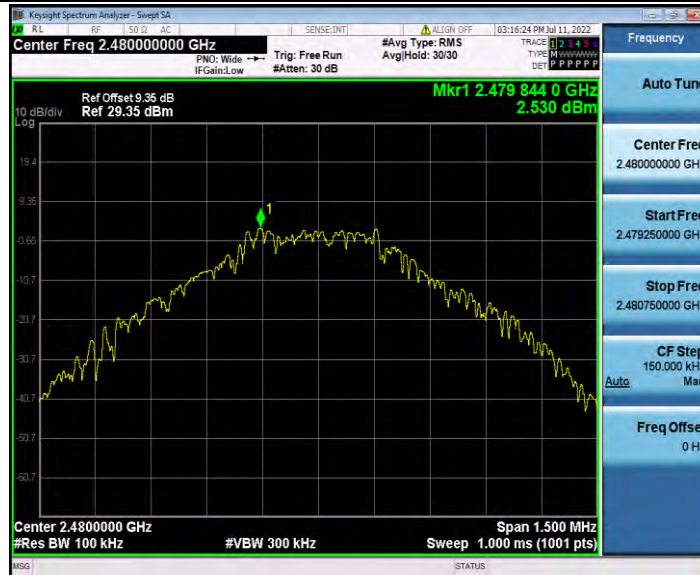
DH1_Ant1_2441_30~1000



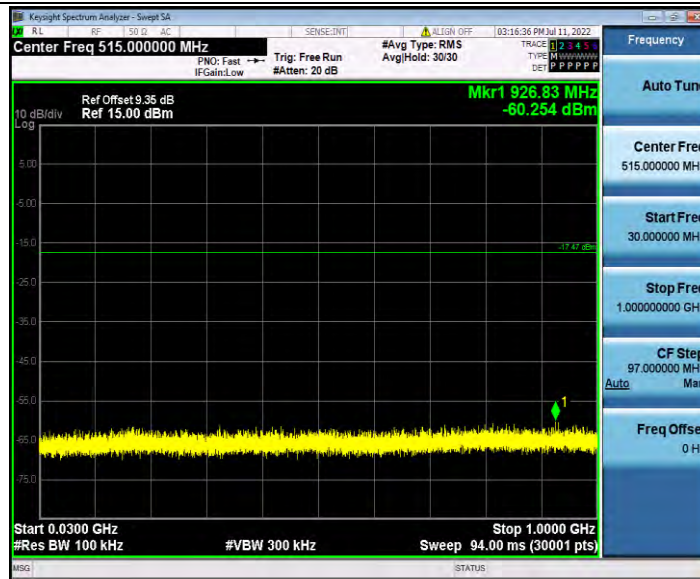
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



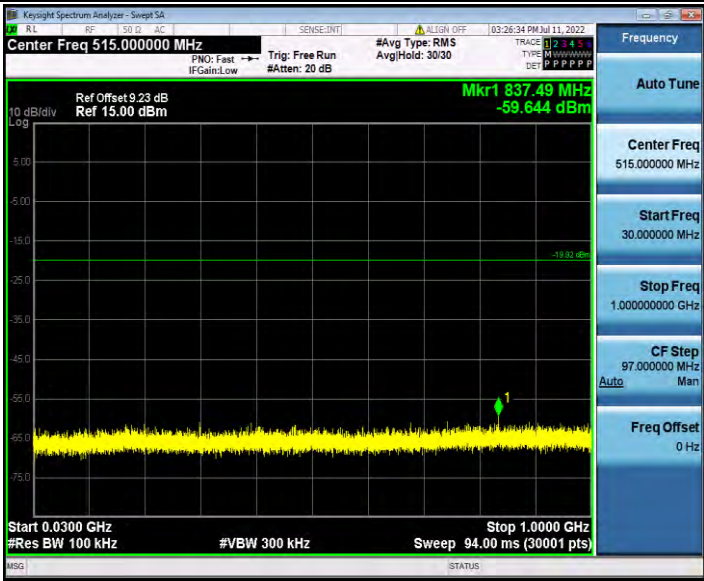
DH1_Ant1_2480_1000~26500



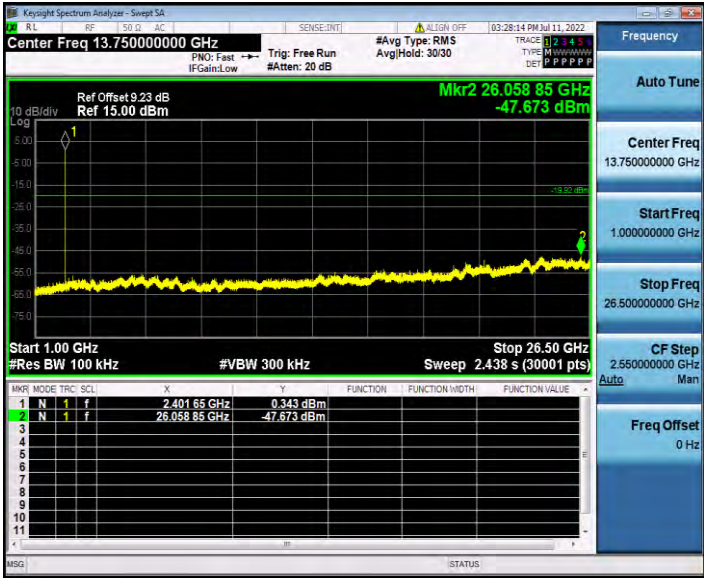
2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



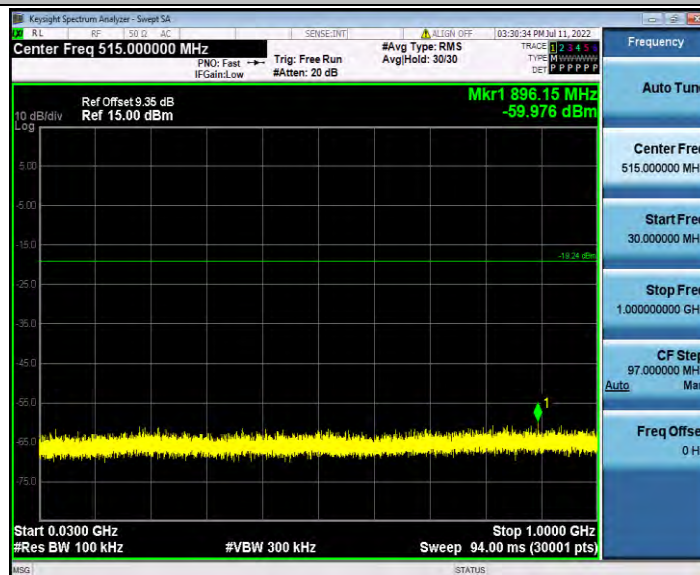
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



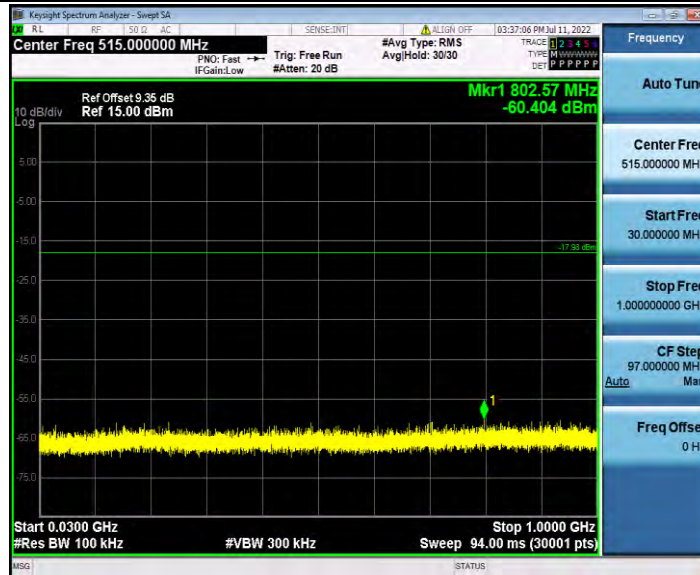
2DH1_Ant1_2441_1000~26500



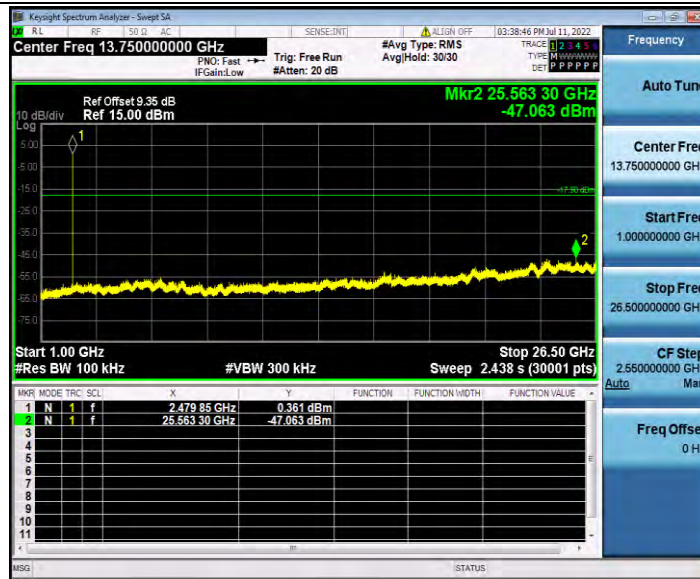
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



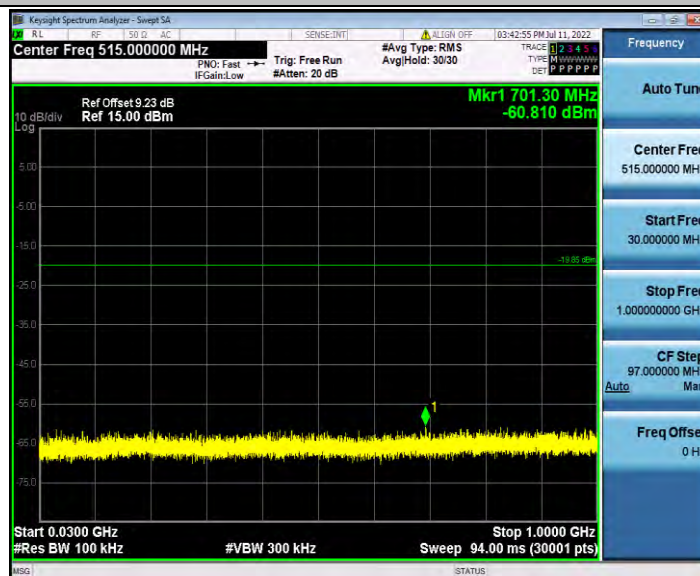
2DH1_Ant1_2480_1000~26500



3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



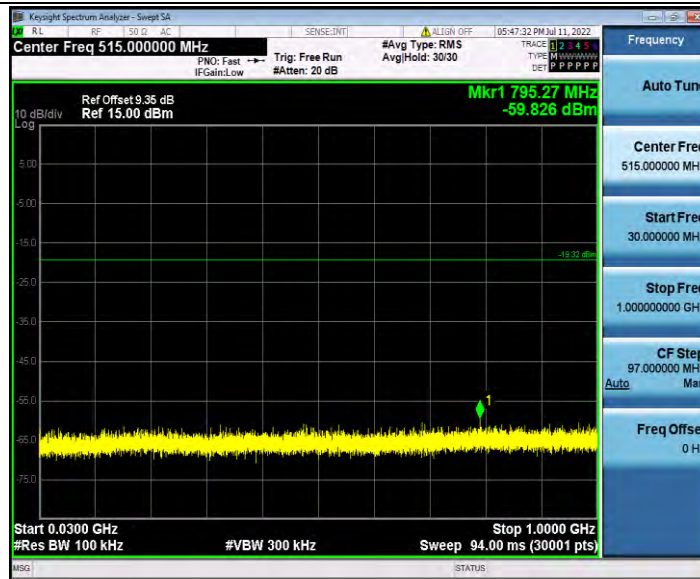
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



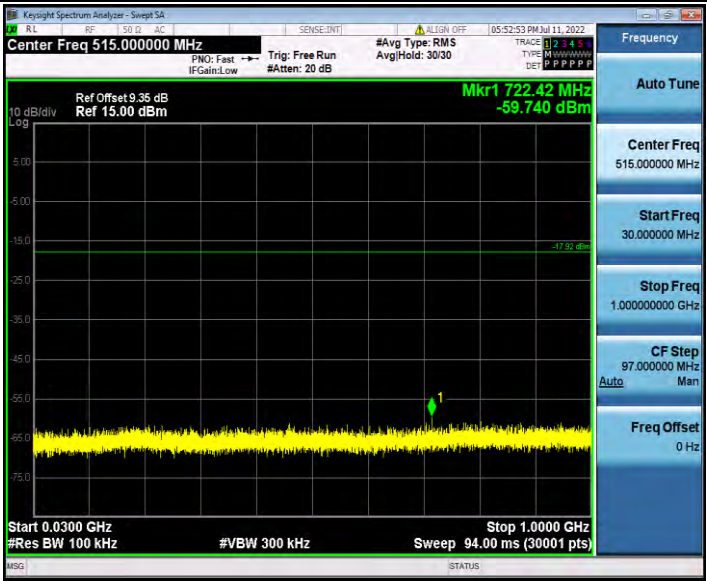
3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500

