

Case No. : GTS20220424002-1-2	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.4.25	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	0.927	2401.508	2402.435	---	---
		2441	0.930	2440.502	2441.432	---	---
		2480	1.029	2479.499	2480.528	---	---
2DH1	Ant1	2402	1.431	2401.271	2402.702	---	---
		2441	1.431	2440.268	2441.699	---	---
		2480	1.416	2479.292	2480.708	---	---
3DH1	Ant1	2402	1.449	2401.274	2402.723	---	---
		2441	1.434	2440.286	2441.720	---	---
		2480	1.455	2479.274	2480.729	---	---

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	0.88689	2401.556	2402.443	---	---
		2441	0.87710	2440.561	2441.438	---	---
		2480	0.90005	2479.551	2480.451	---	---
2DH1	Ant1	2402	1.3505	2401.325	2402.675	---	---
		2441	1.3463	2440.322	2441.668	---	---
		2480	1.3430	2479.325	2480.668	---	---
3DH1	Ant1	2402	1.3397	2401.330	2402.669	---	---
		2441	1.3332	2440.330	2441.664	---	---
		2480	1.3351	2479.332	2480.667	---	---

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	1.158	≥ 0.927	PASS
		Hop_2441	1.170	≥ 0.930	PASS
		Hop_2480	1.312	≥ 1.029	PASS
2DH1	Ant1	Hop_2402	1.002	≥ 0.954	PASS
		Hop_2441	1.150	≥ 0.954	PASS
		Hop_2480	1.162	≥ 0.954	PASS
3DH1	Ant1	Hop_2402	0.996	≥ 0.970	PASS
		Hop_2441	1.002	≥ 0.970	PASS
		Hop_2480	1.002	≥ 0.970	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



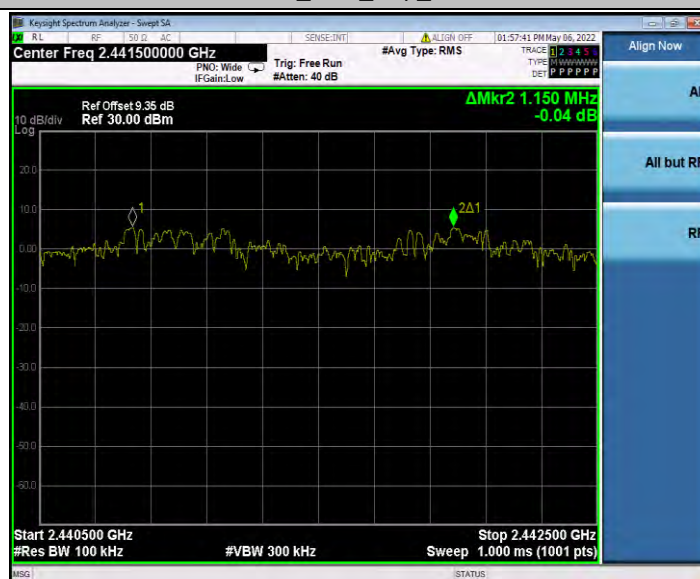
DH1_Ant1_Hop_2480



2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441



2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441



3DH1_Ant1_Hop_2480



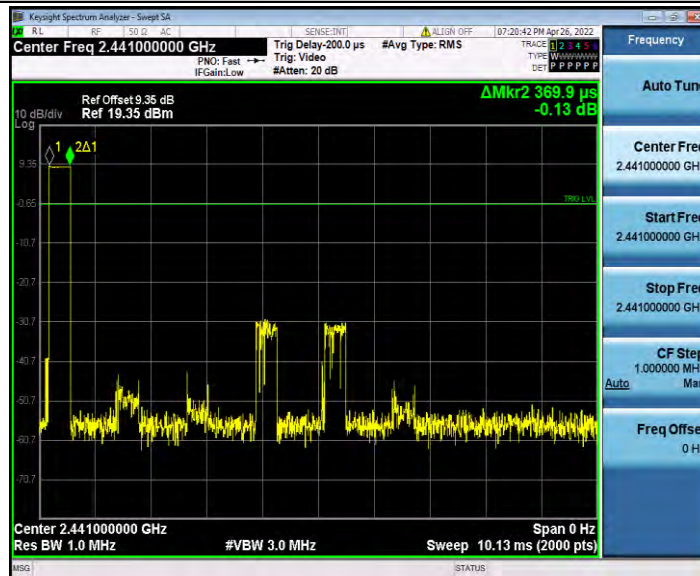
Appendix A.4: Time of occupancy

Test Result

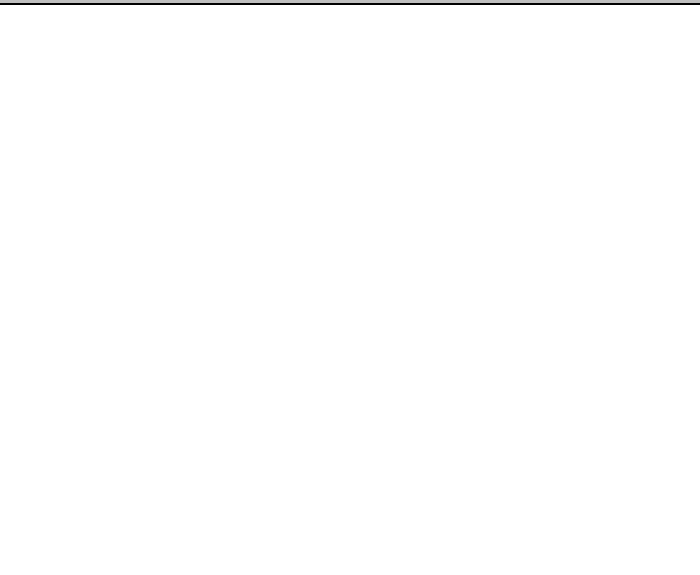
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.63	170	0.276	≤0.4	PASS
DH5	Ant1	Hop	2.88	130	0.374	≤0.4	PASS
2DH1	Ant1	Hop	0.38	330	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.63	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.88	130	0.374	≤0.4	PASS
3DH1	Ant1	Hop	0.38	310	0.118	≤0.4	PASS
3DH3	Ant1	Hop	1.61	180	0.29	≤0.4	PASS
3DH5	Ant1	Hop	2.88	70	0.201	≤0.4	PASS

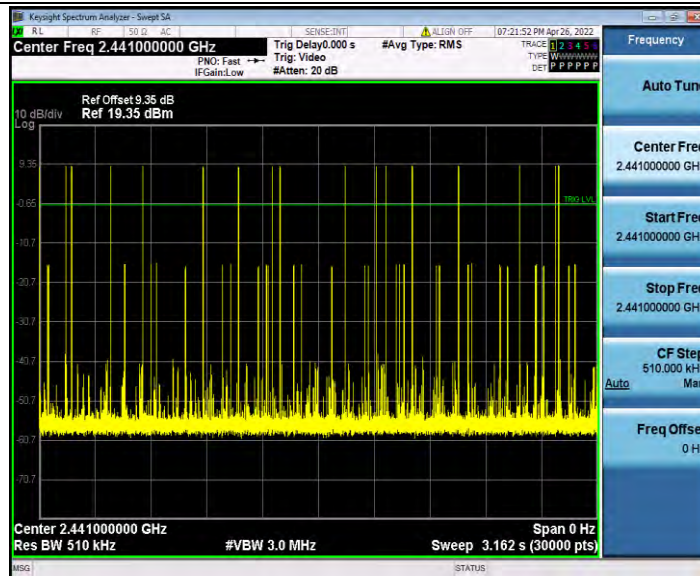
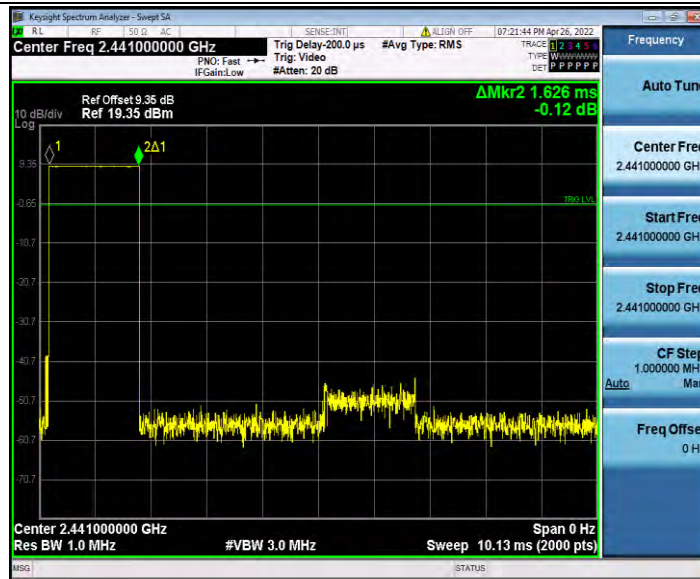
Test Graphs

DH1_Ant1_Hop

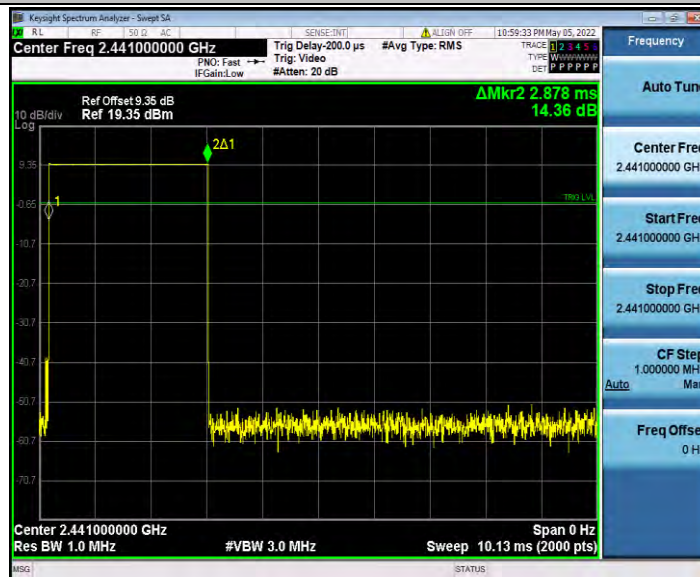


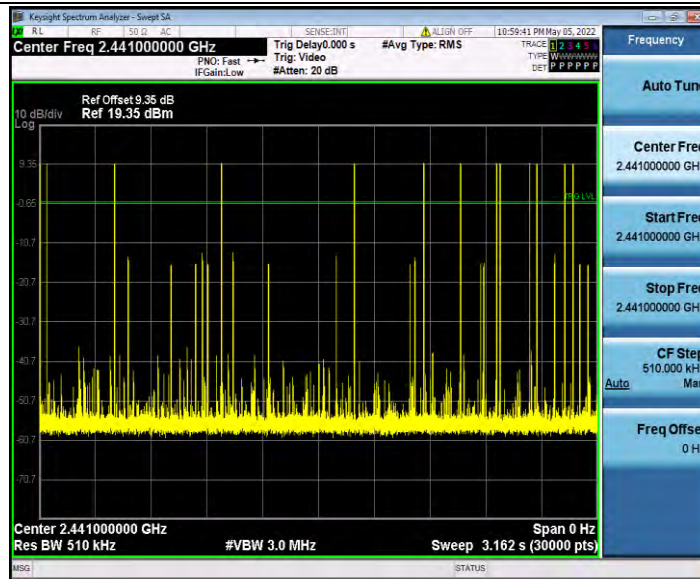
DH3_Ant1_Hop



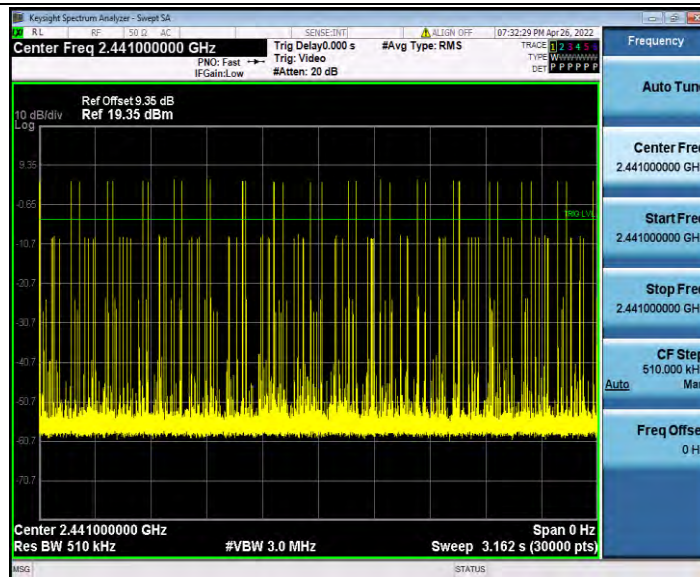
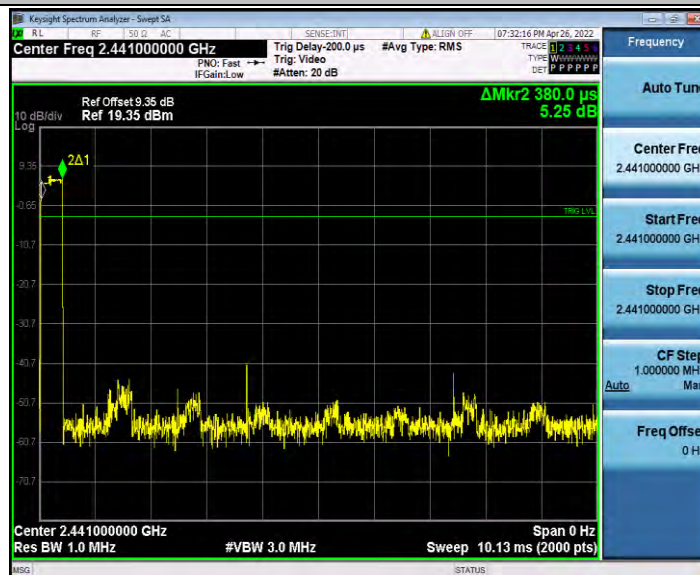


DH5_Ant1_Hop

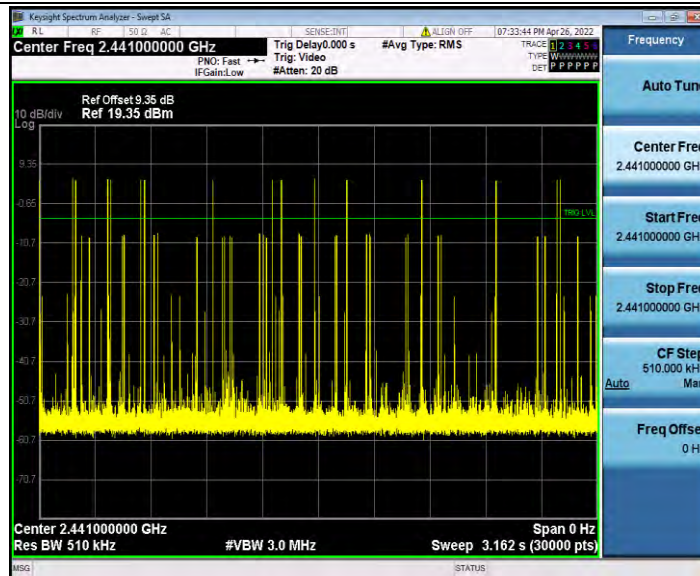
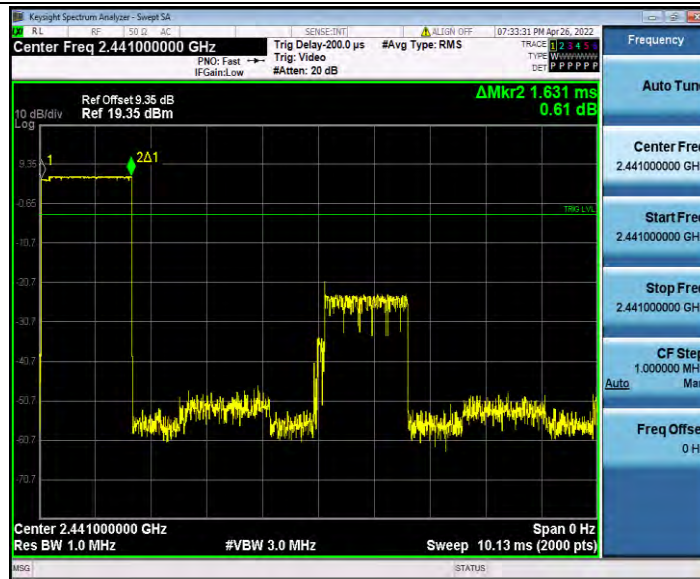




2DH1_Ant1_Hop

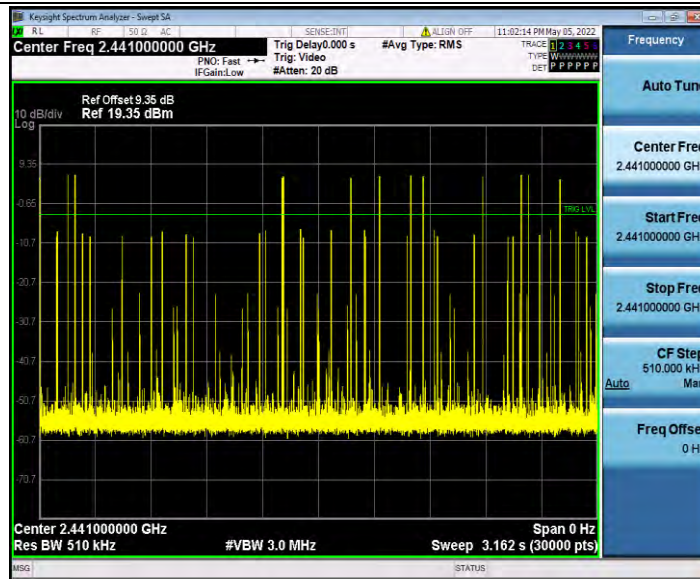


2DH3_Ant1_Hop

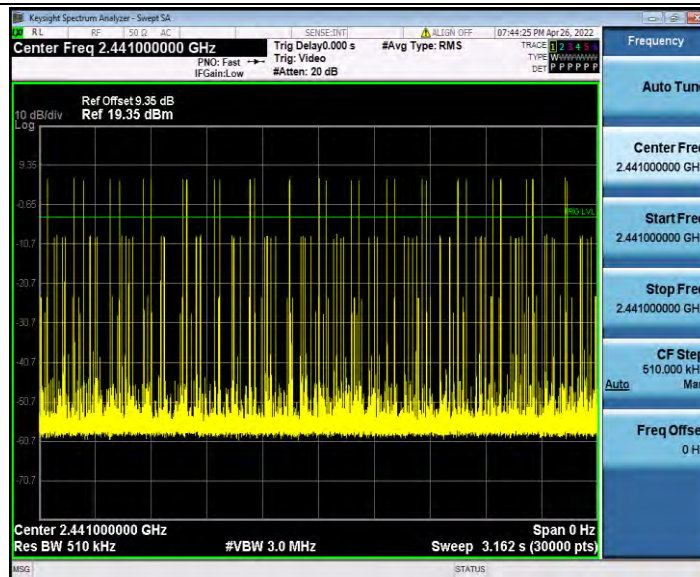
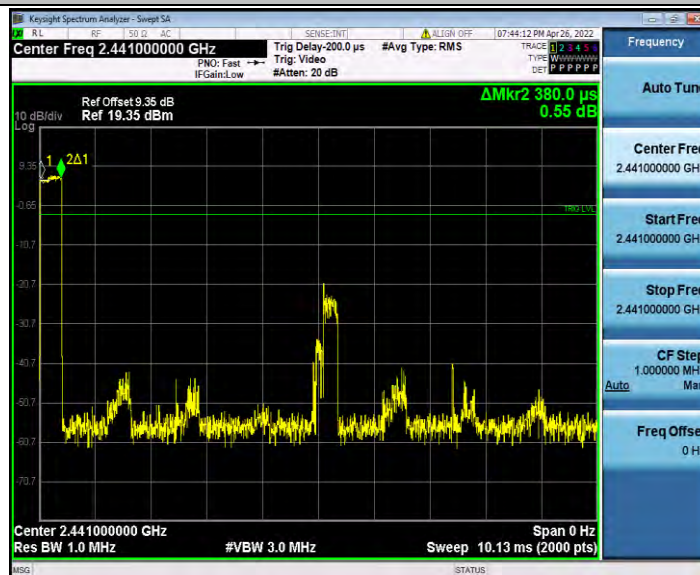


2DH5_Ant1_Hop

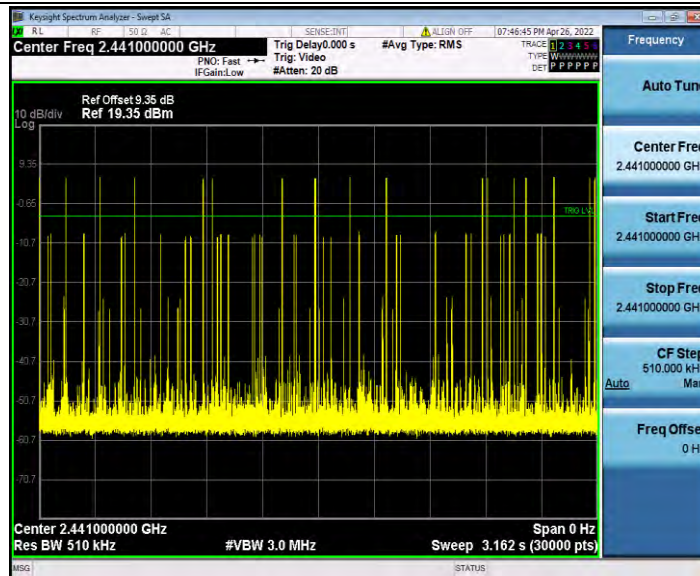
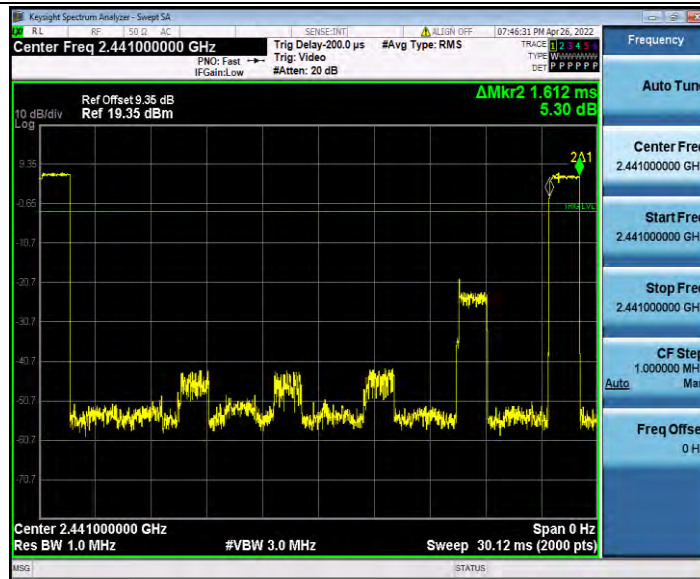




3DH1_Ant1_Hop

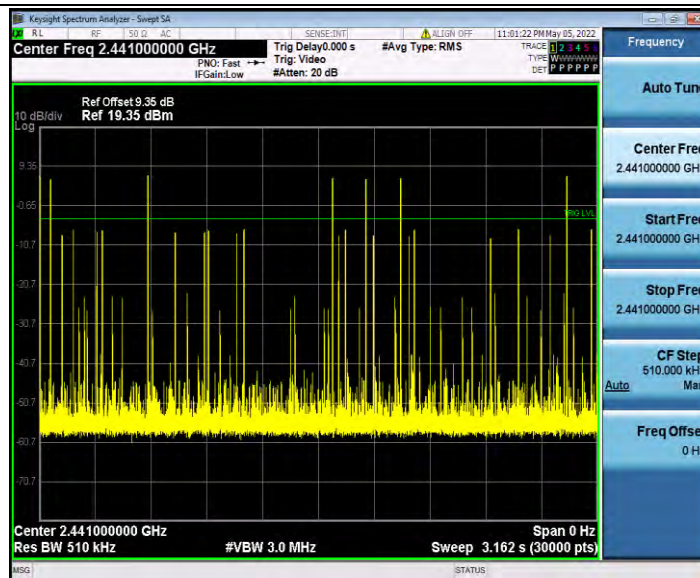


3DH3_Ant1_Hop



3DH5_Ant1_Hop





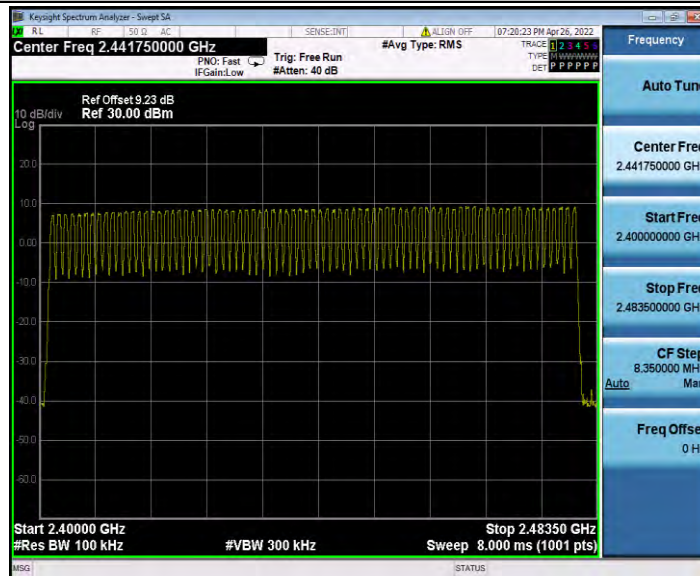
Appendix A.5: Number of hopping channels

Test Result

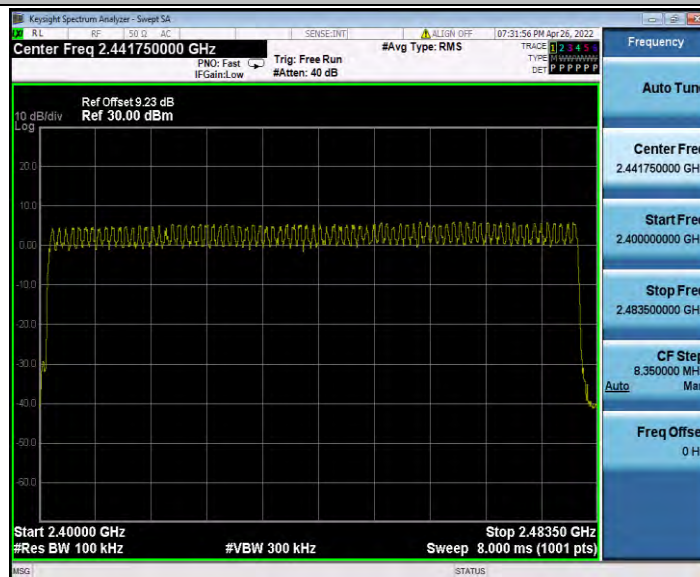
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

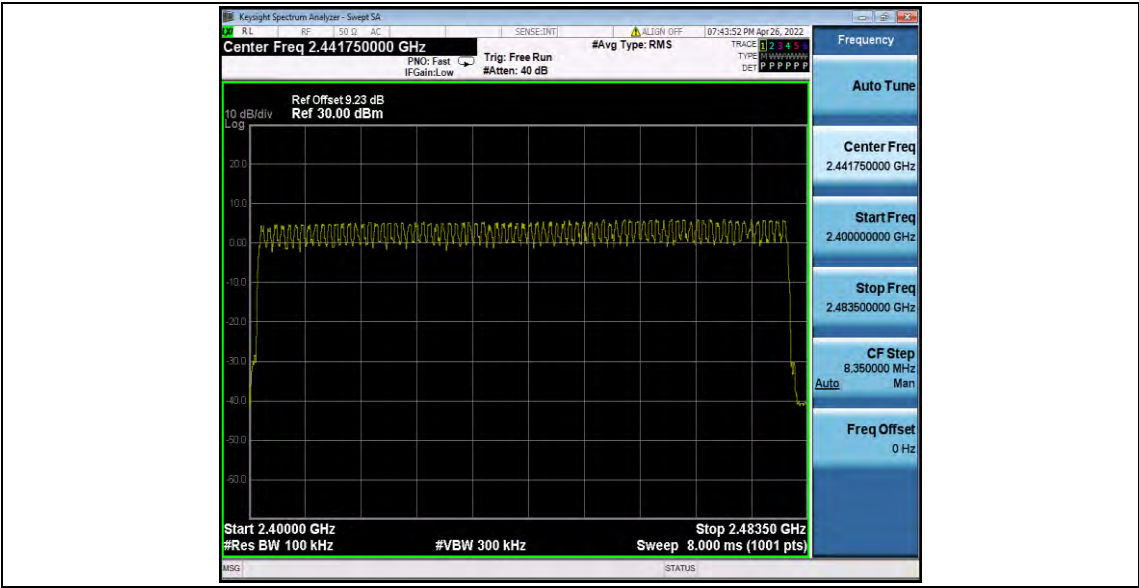
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



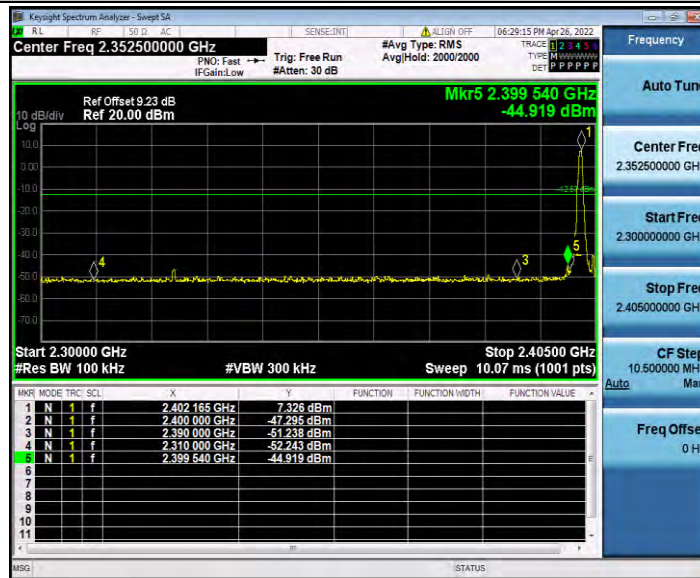
Appendix A.6: Band edge measurements

Test Result

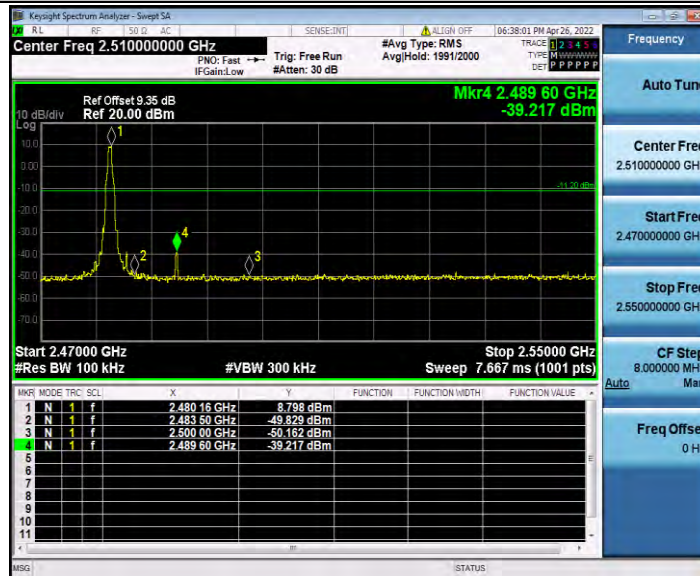
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	7.33	-44.92	≤-12.67	PASS
		High	2480	8.80	-39.22	≤-11.2	PASS
		Low	Hop_2402	6.78	-46.06	≤-13.22	PASS
		High	Hop_2480	9.01	-44.38	≤-10.99	PASS
2DH1	Ant1	Low	2402	4.44	-41.94	≤-15.56	PASS
		High	2480	4.97	-39.47	≤-15.03	PASS
		Low	Hop_2402	4.01	-46.96	≤-15.99	PASS
		High	Hop_2480	5.83	-47.01	≤-14.17	PASS
3DH1	Ant1	Low	2402	4.38	-39.62	≤-15.62	PASS
		High	2480	5.03	-39.77	≤-14.97	PASS
		Low	Hop_2402	4.32	-48.31	≤-15.68	PASS
		High	Hop_2480	5.94	-46.06	≤-14.07	PASS

Test Graphs

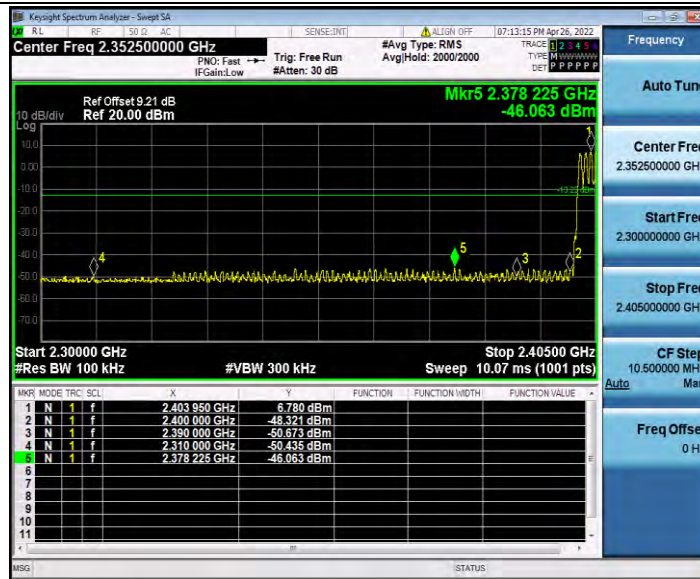
DH1_Ant1_Low_2402



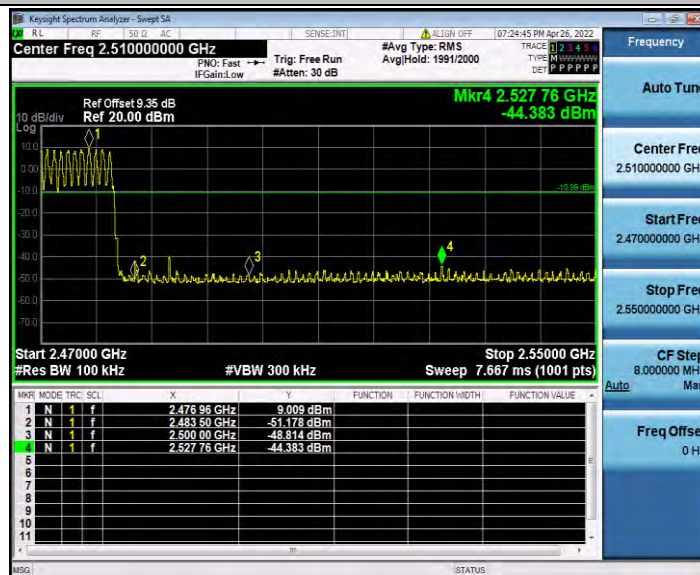
DH1_Ant1_High_2480



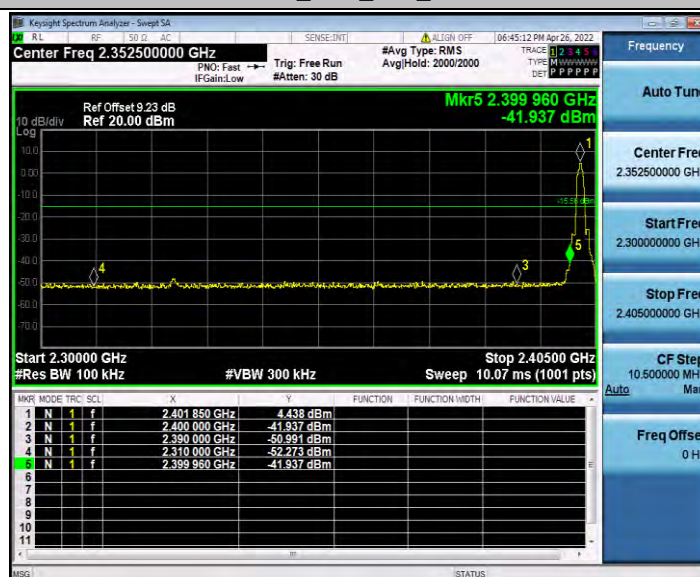
DH1_Ant1_Low_Hop_2402



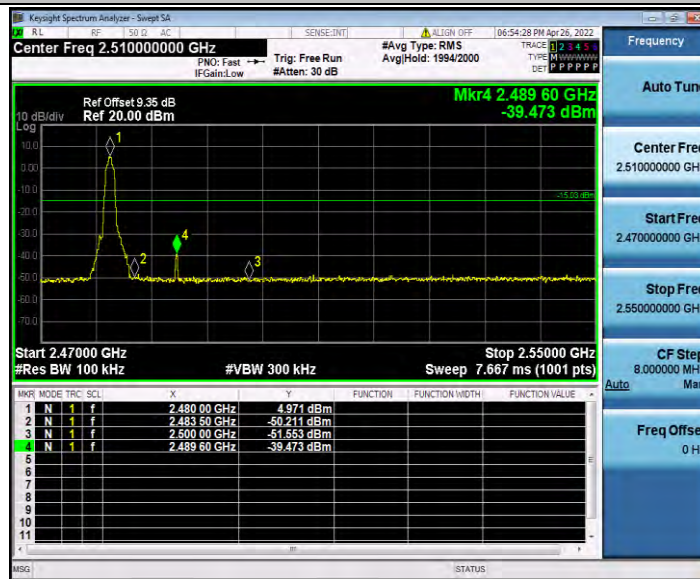
DH1_Ant1_High_Hop_2480



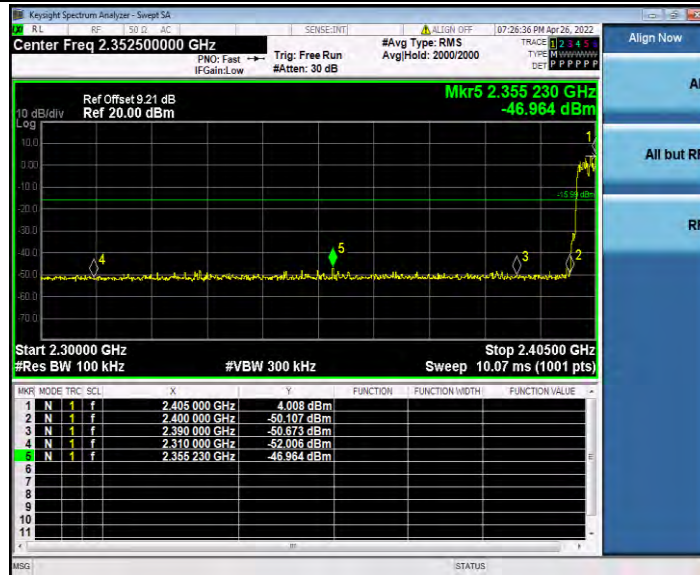
2DH1_Ant1_Low_2402



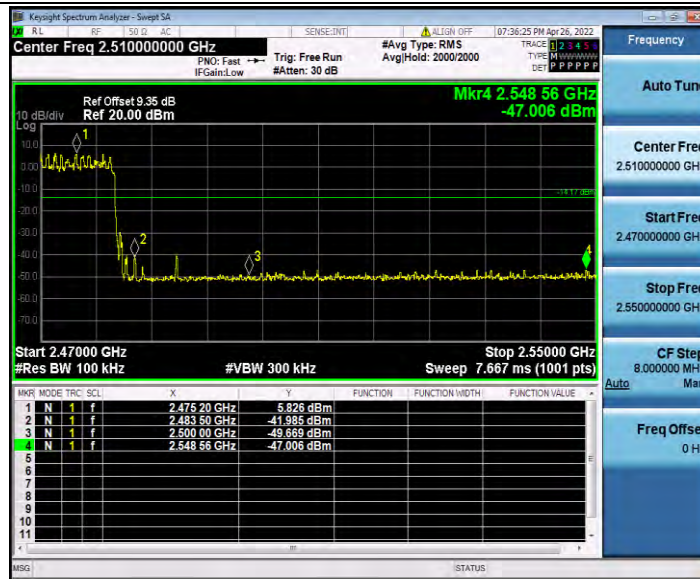
2DH1_Ant1_High_2480



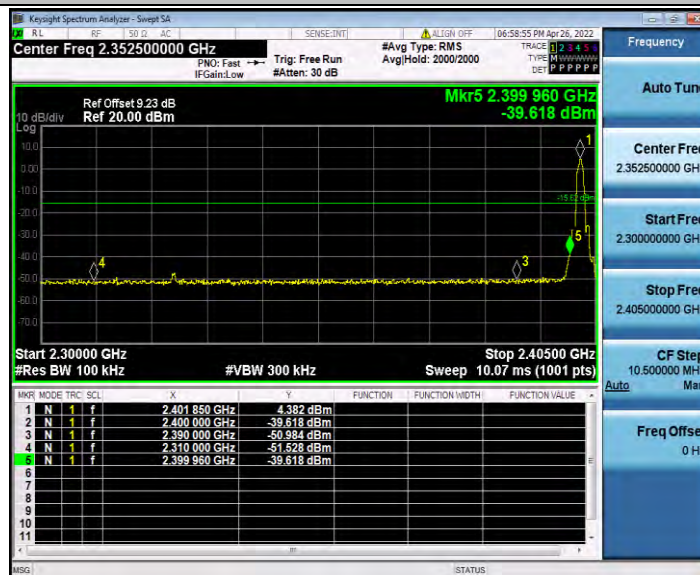
2DH1_Ant1_Low_Hop_2402



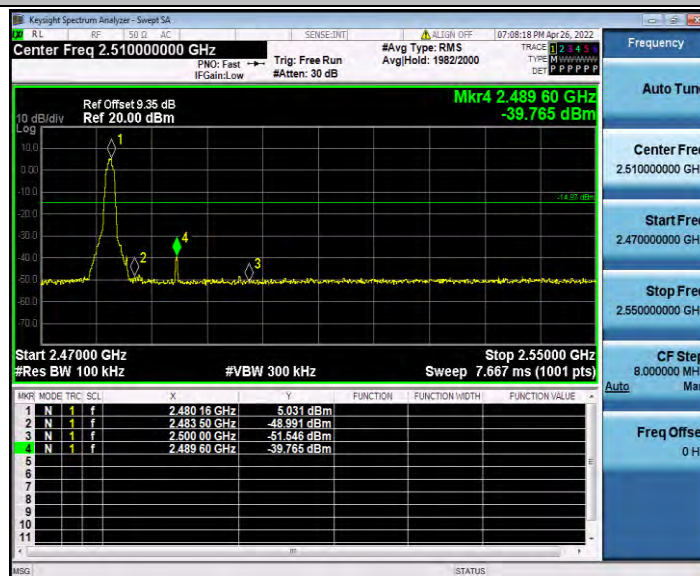
2DH1_Ant1_High_Hop_2480



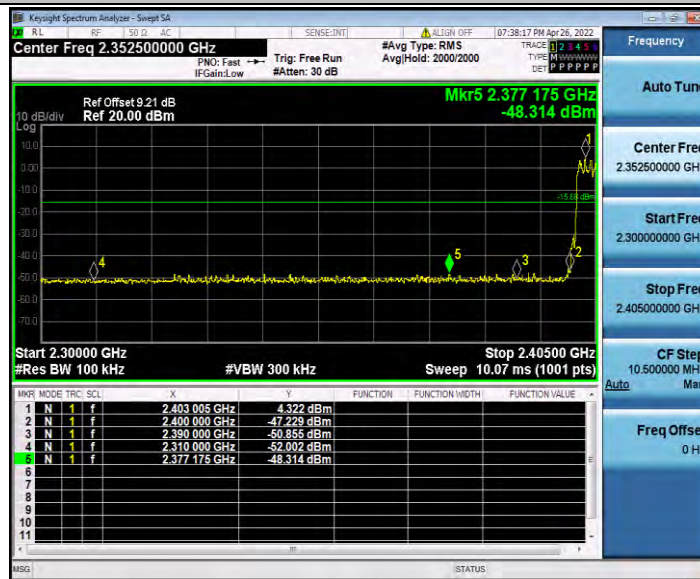
3DH1_Ant1_Low_2402



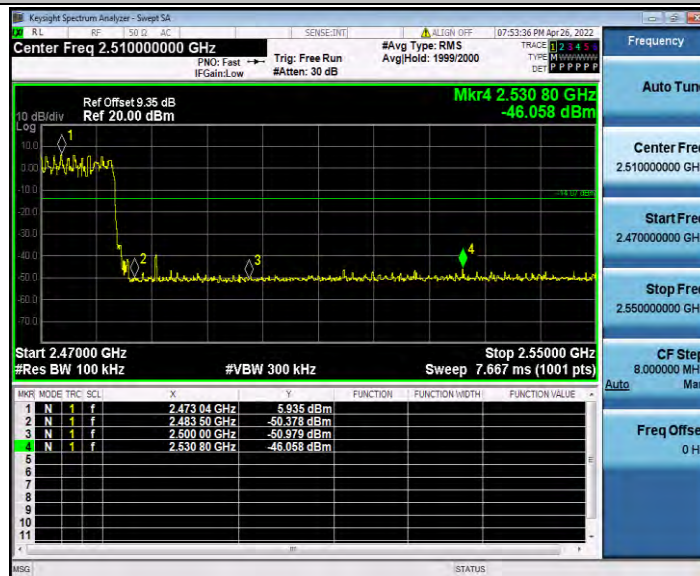
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.7: Conducted Spurious Emission

Test Result

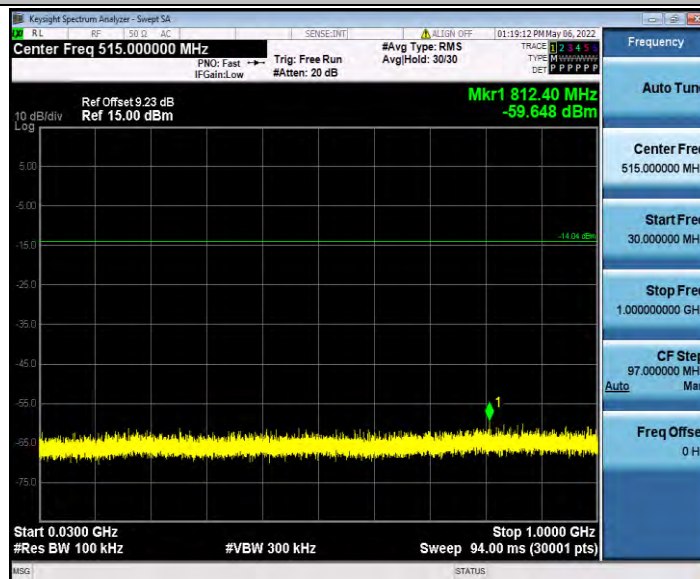
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	5.96	5.96	---	PASS
			30~1000	5.96	-59.65	≤-14.04	PASS
			1000~26500	5.96	-48.66	≤-14.04	PASS
		2441	Reference	8.81	8.81	---	PASS
			30~1000	8.81	-59.54	≤-11.19	PASS
			1000~26500	8.81	-47.93	≤-11.19	PASS
		2480	Reference	9.08	9.08	---	PASS
			30~1000	9.08	-59.8	≤-10.92	PASS
			1000~26500	9.08	-47.51	≤-10.92	PASS
2DH1	Ant1	2402	Reference	2.68	2.68	---	PASS
			30~1000	2.68	-60.52	≤-17.32	PASS
			1000~26500	2.68	-48.25	≤-17.32	PASS
		2441	Reference	3.64	3.64	---	PASS
			30~1000	3.64	-60.33	≤-16.36	PASS
			1000~26500	3.64	-47.85	≤-16.36	PASS
		2480	Reference	5.20	5.20	---	PASS
			30~1000	5.20	-59.96	≤-14.8	PASS
			1000~26500	5.20	-47.32	≤-14.8	PASS
3DH1	Ant1	2402	Reference	3.99	3.99	---	PASS
			30~1000	3.99	-60.96	≤-16.01	PASS
			1000~26500	3.99	-47.84	≤-16.01	PASS
		2441	Reference	5.22	5.22	---	PASS
			30~1000	5.22	-59.97	≤-14.78	PASS
			1000~26500	5.22	-47.91	≤-14.78	PASS
		2480	Reference	5.19	5.19	---	PASS
			30~1000	5.19	-60.19	≤-14.81	PASS
			1000~26500	5.19	-47.45	≤-14.81	PASS

Test Graphs

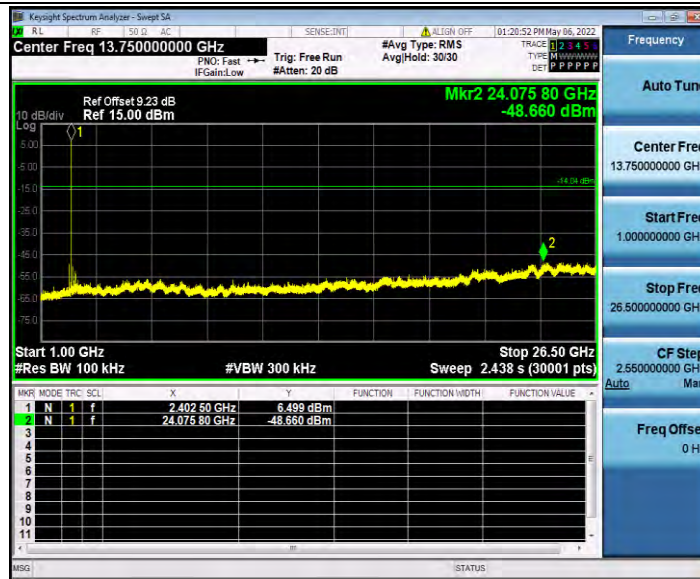
DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



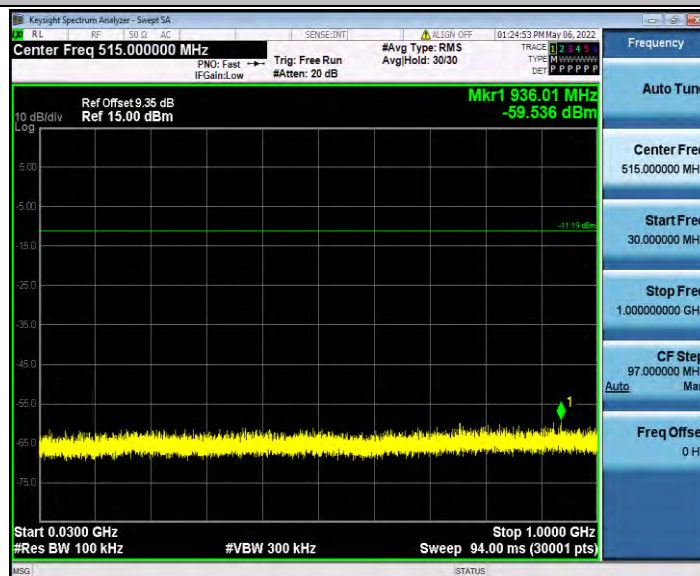
DH1_Ant1_2402_1000~26500



DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



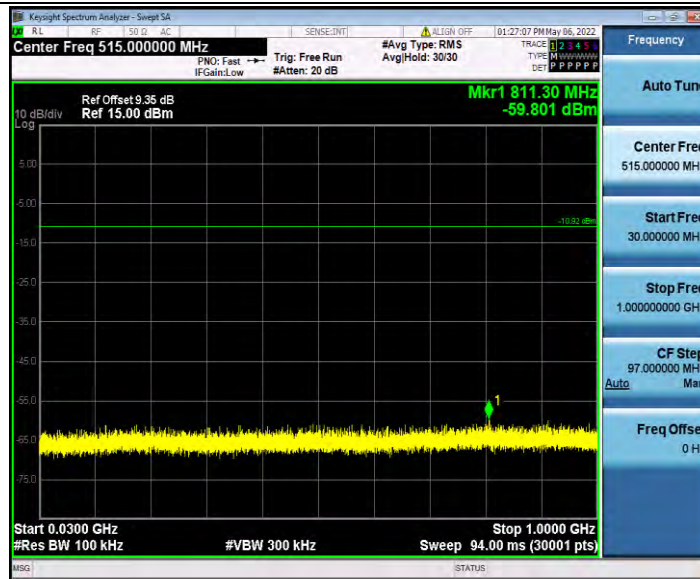
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



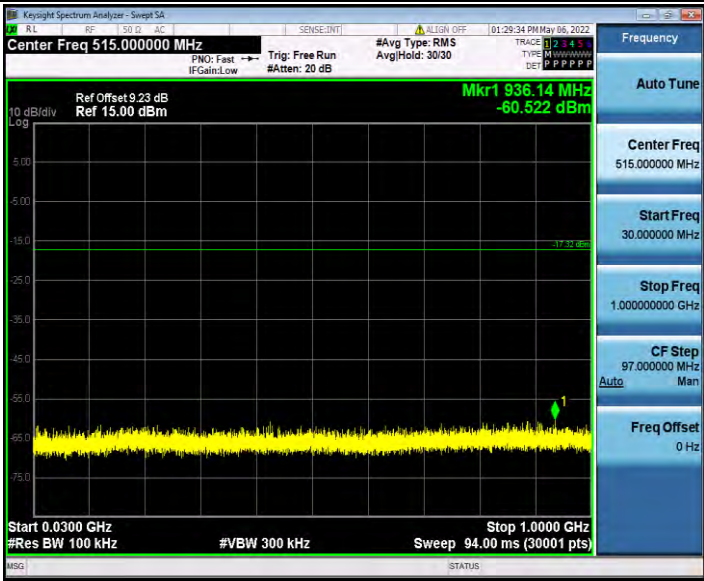
DH1_Ant1_2480_1000~26500



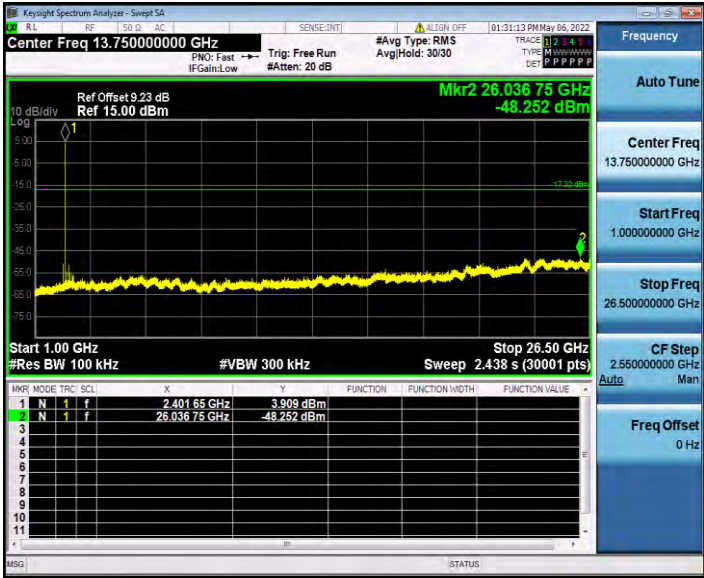
2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



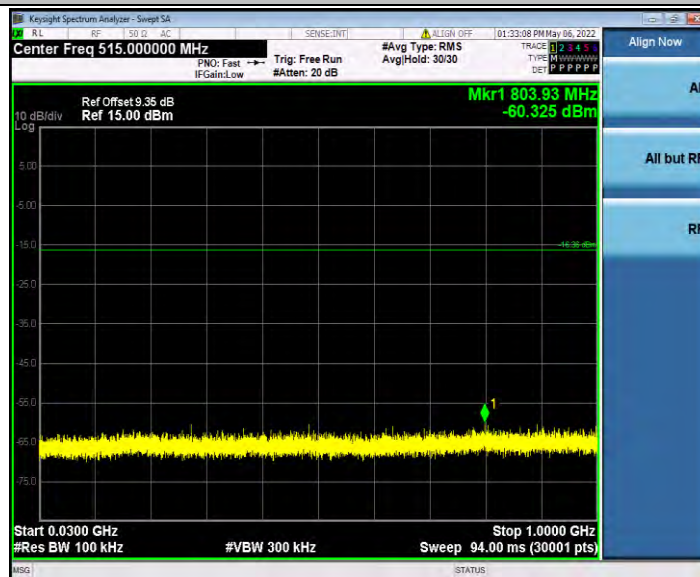
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



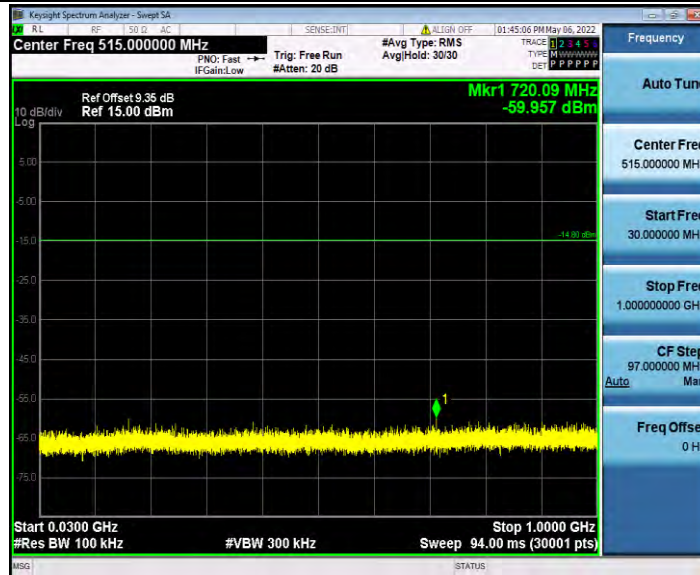
2DH1_Ant1_2441_1000~26500



2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



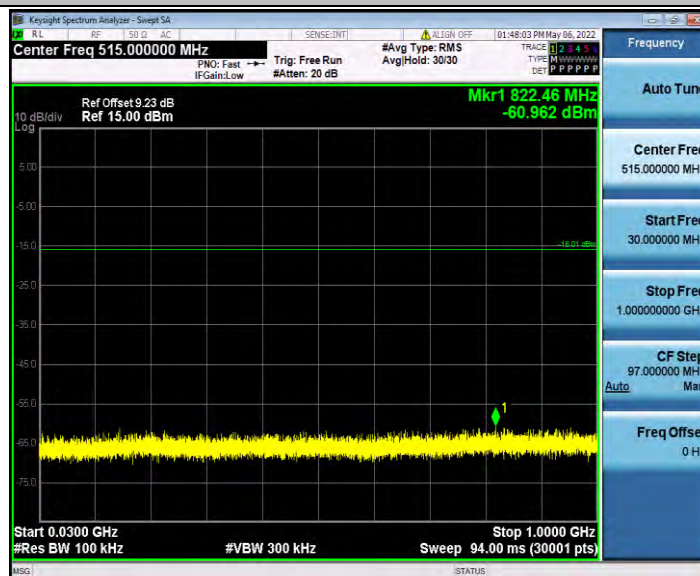
2DH1_Ant1_2480_1000~26500



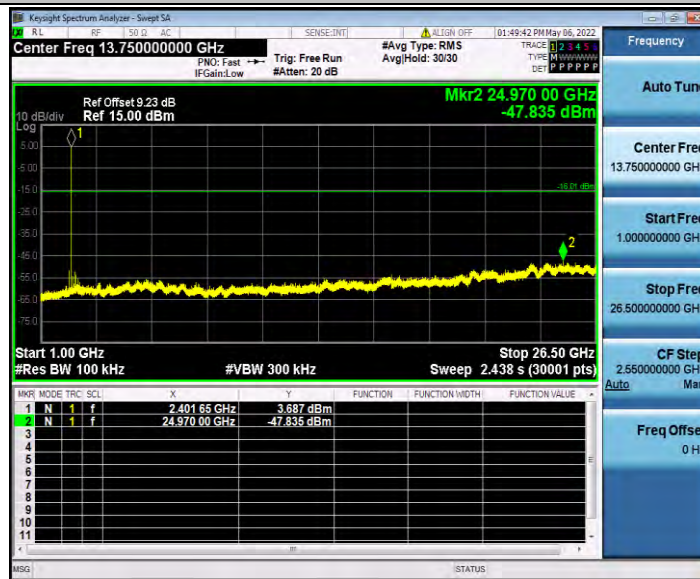
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



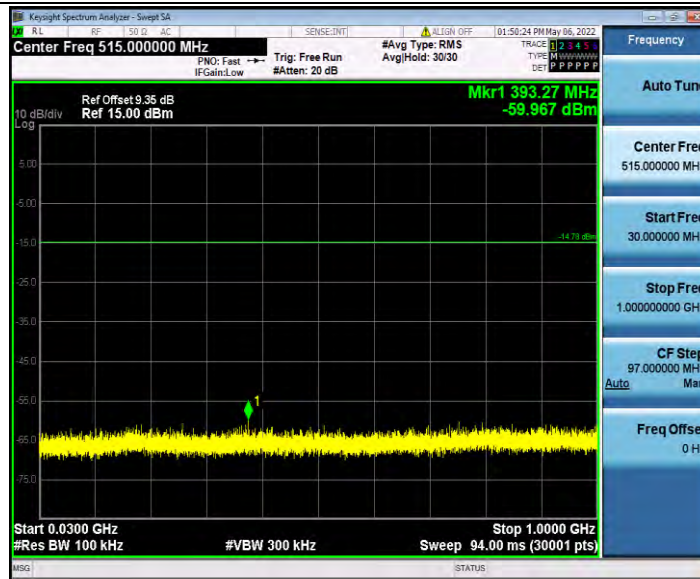
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



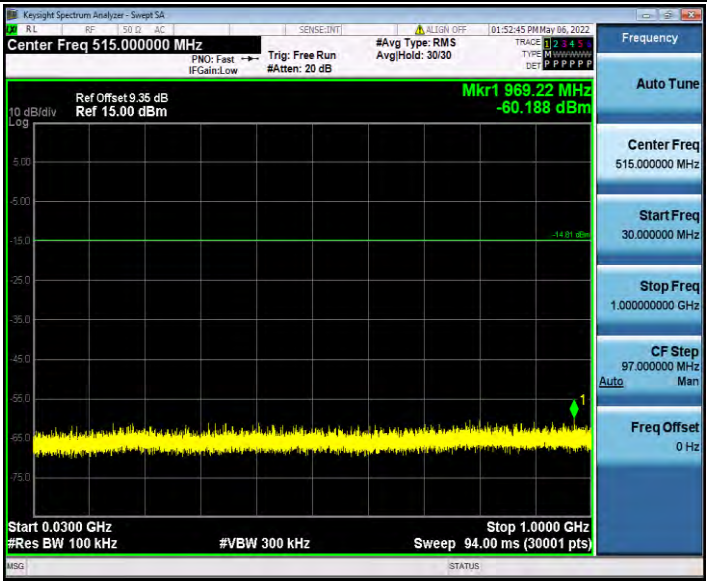
3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500

