

Case No. : GTS20220524012-1-8	
Ambient Condition: 25 °C, 42 %RH,	
Test Date: 2022.6.9	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	0.939	2401.547	2402.486	---	---
		2441	0.903	2440.550	2441.453	---	---
		2480	0.948	2479.544	2480.492	---	---
2DH1	Ant1	2402	1.278	2401.361	2402.639	---	---
		2441	1.245	2440.376	2441.621	---	---
		2480	1.260	2479.367	2480.627	---	---
3DH1	Ant1	2402	1.245	2401.388	2402.633	---	---
		2441	1.275	2440.364	2441.639	---	---
		2480	1.266	2479.364	2480.630	---	---

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	0.84737	2401.577	2402.425	---	---
		2441	0.86057	2440.569	2441.429	---	---
		2480	0.85665	2479.572	2480.429	---	---
2DH1	Ant1	2402	1.1589	2401.420	2402.579	---	---
		2441	1.1663	2440.413	2441.579	---	---
		2480	1.1610	2479.417	2480.578	---	---
3DH1	Ant1	2402	1.1626	2401.428	2402.591	---	---
		2441	1.1600	2440.430	2441.590	---	---
		2480	1.1703	2479.426	2480.596	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480



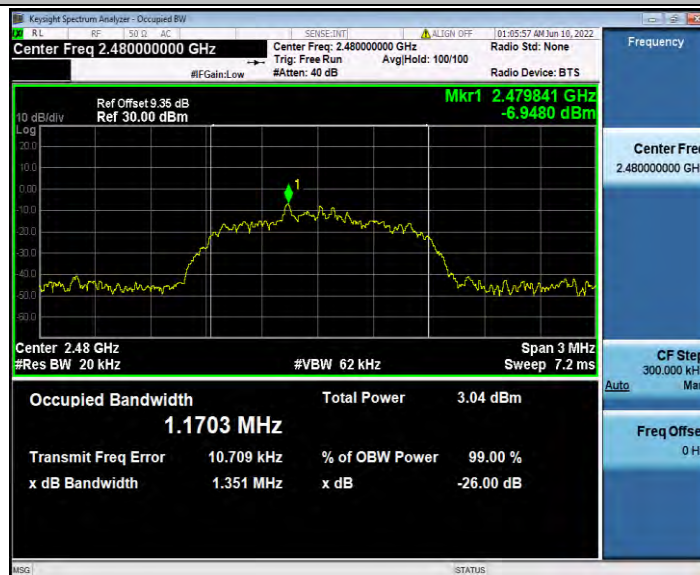
3DH1_Ant1_2402



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	0.686	≥ 0.632	PASS
		Hop_2441	1.000	≥ 0.632	PASS
		Hop_2480	1.010	≥ 0.632	PASS
2DH1	Ant1	Hop_2402	0.992	≥ 0.852	PASS
		Hop_2441	1.020	≥ 0.852	PASS
		Hop_2480	1.014	≥ 0.852	PASS
3DH1	Ant1	Hop_2402	1.006	≥ 0.850	PASS
		Hop_2441	1.014	≥ 0.850	PASS
		Hop_2480	0.998	≥ 0.850	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



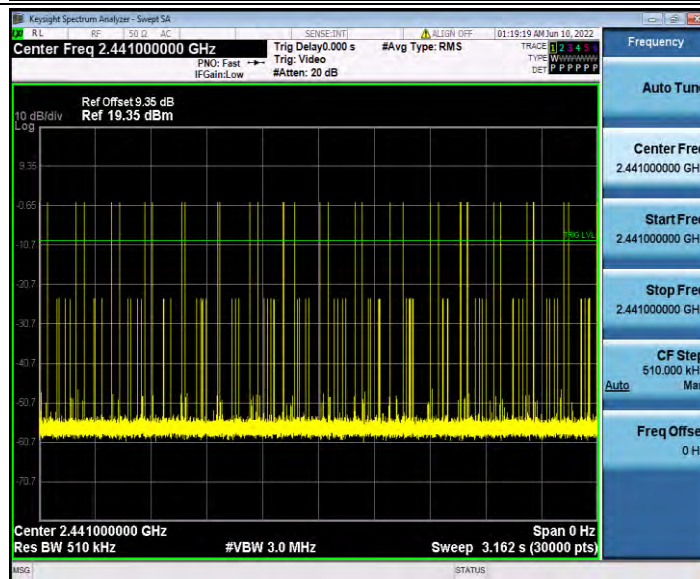
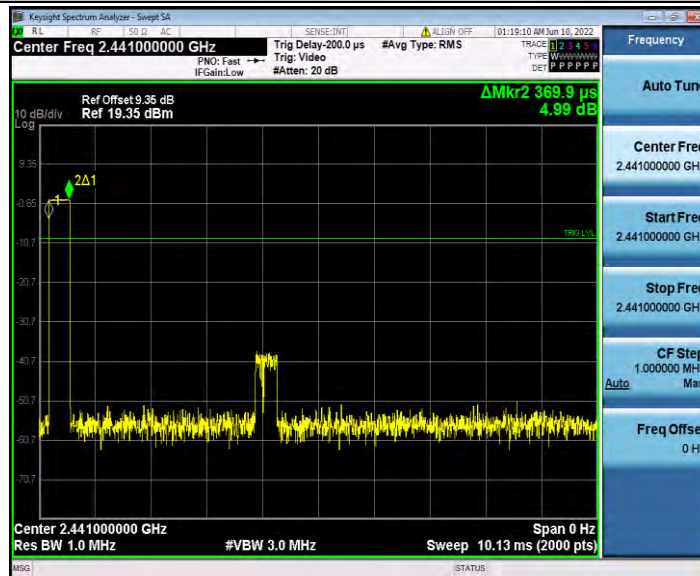
Appendix A.4: Time of occupancy

Test Result

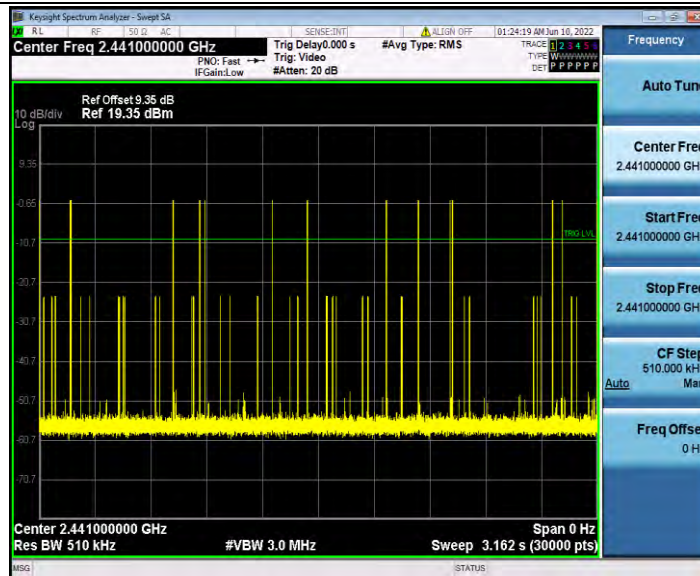
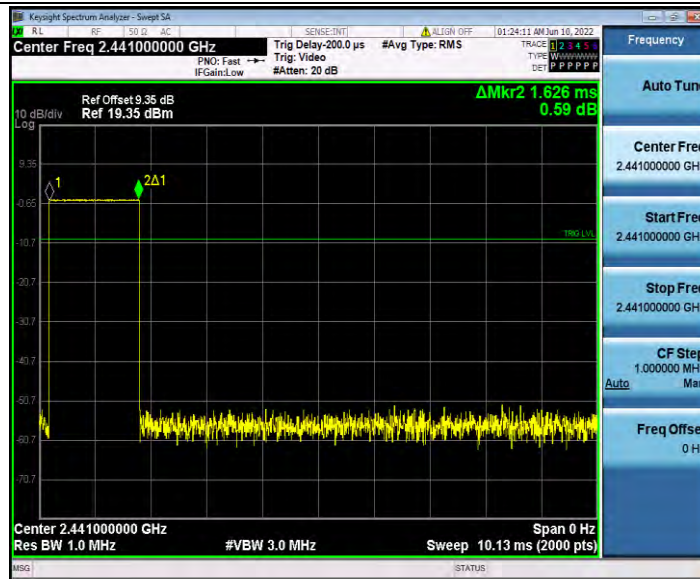
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	330	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.63	150	0.244	≤0.4	PASS
DH5	Ant1	Hop	2.87	110	0.316	≤0.4	PASS
2DH1	Ant1	Hop	0.37	320	0.120	≤0.4	PASS
2DH3	Ant1	Hop	1.63	190	0.309	≤0.4	PASS
2DH5	Ant1	Hop	2.87	110	0.316	≤0.4	PASS
3DH1	Ant1	Hop	0.37	330	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.63	180	0.293	≤0.4	PASS
3DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

Test Graphs

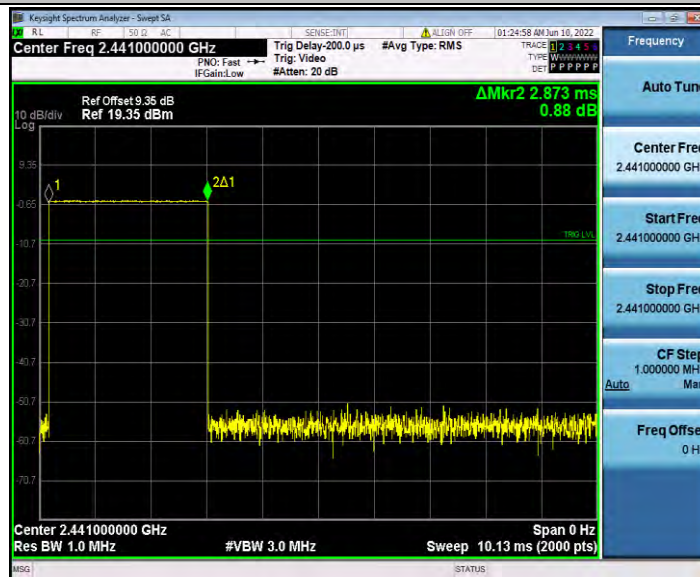
DH1_Ant1_Hop

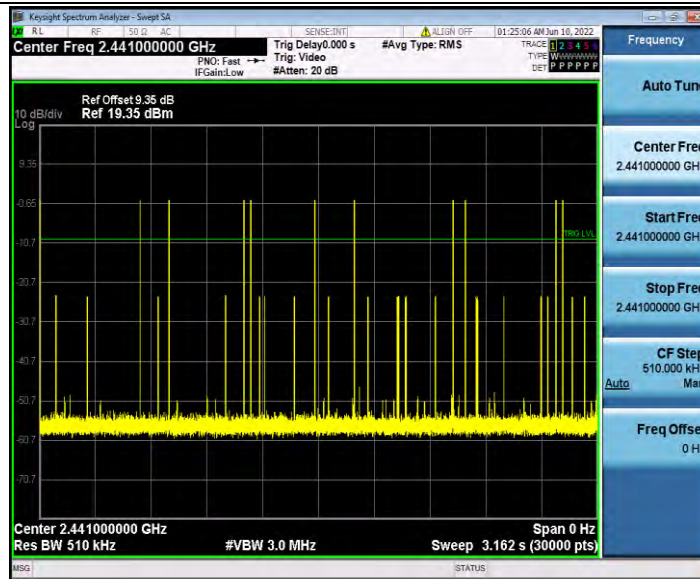


DH3_Ant1_Hop

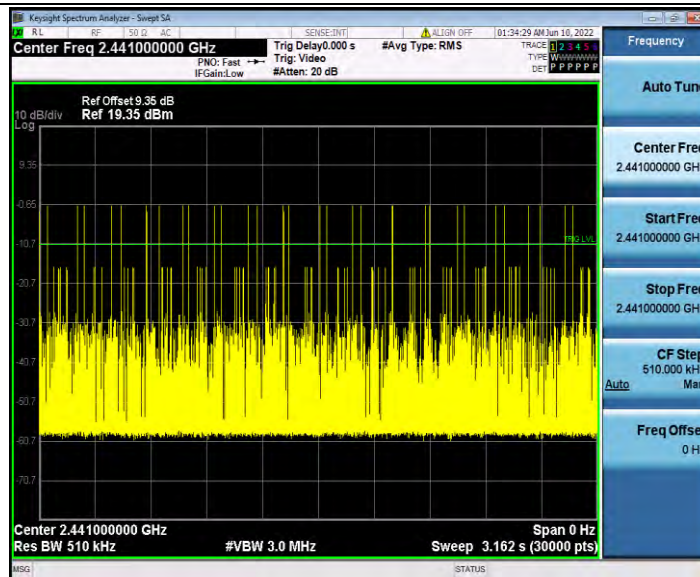
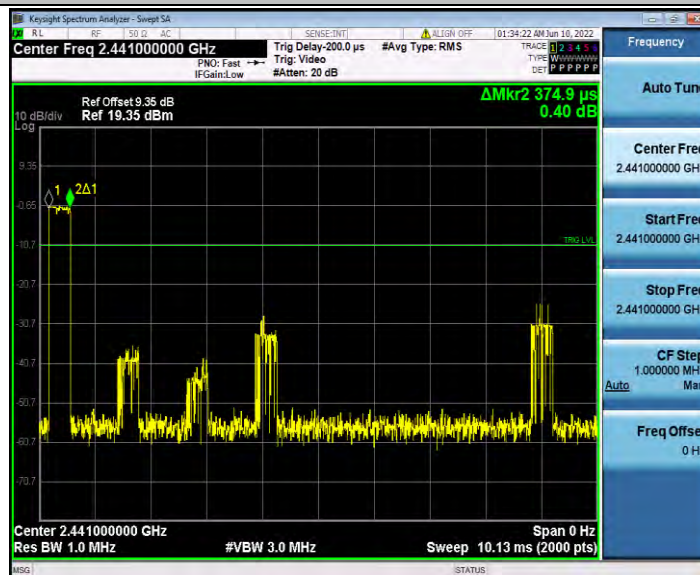


DH5_Ant1_Hop

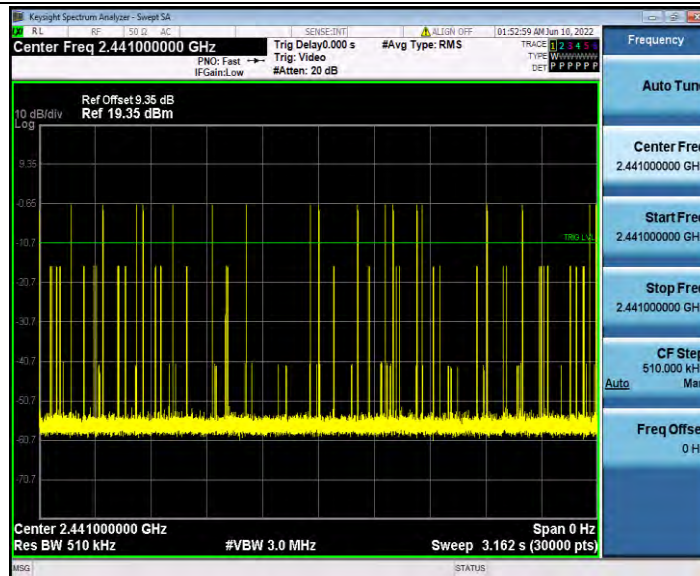




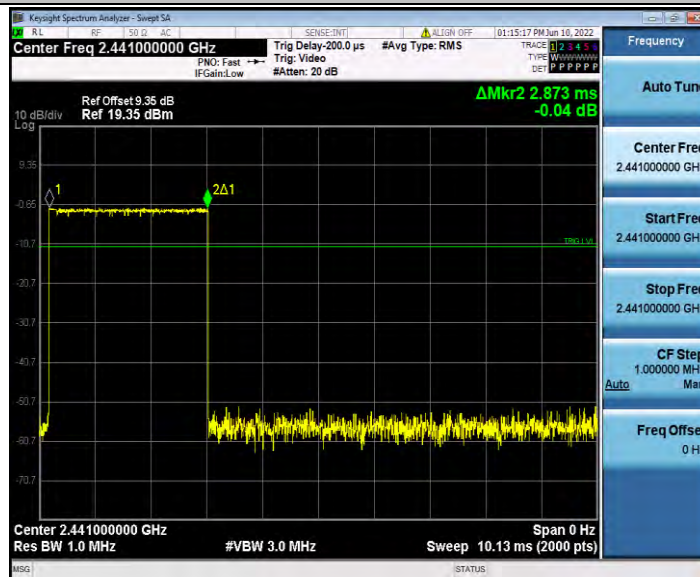
2DH1_Ant1_Hop

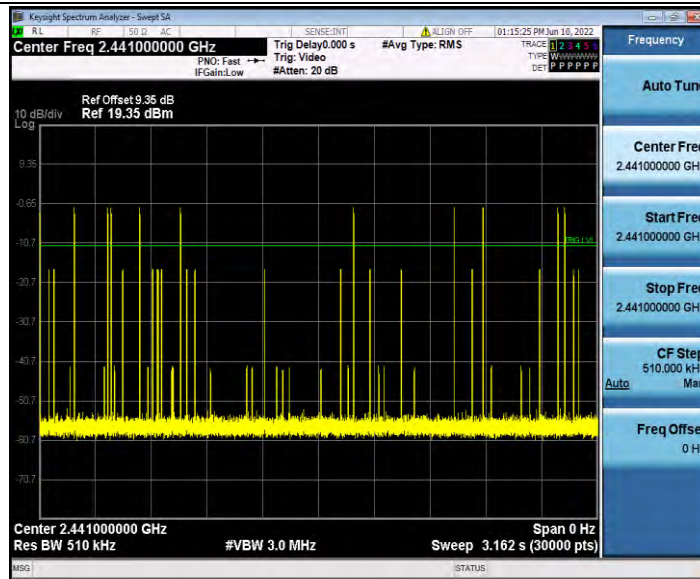


2DH3_Ant1_Hop

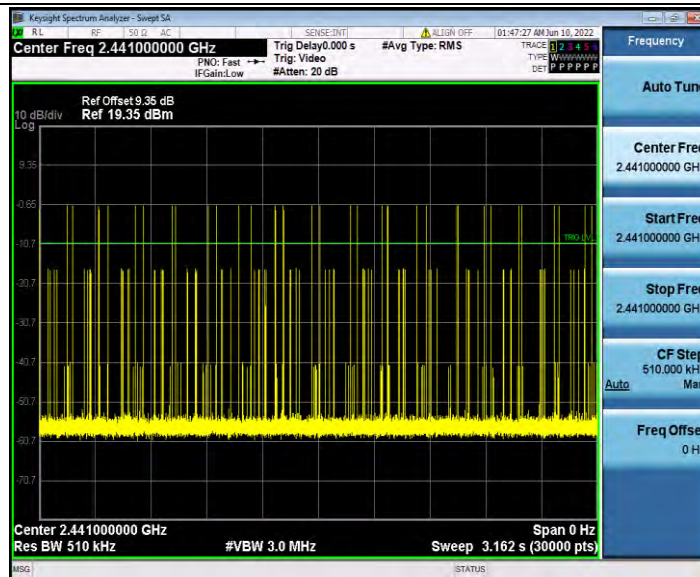
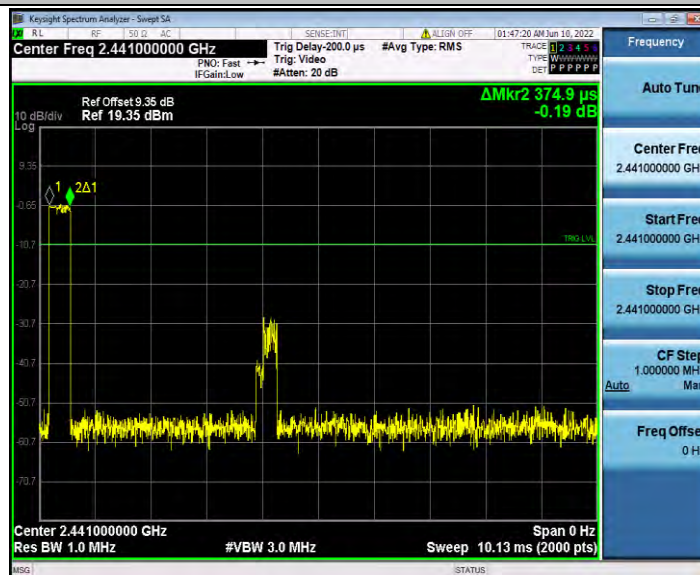


2DH5_Ant1_Hop

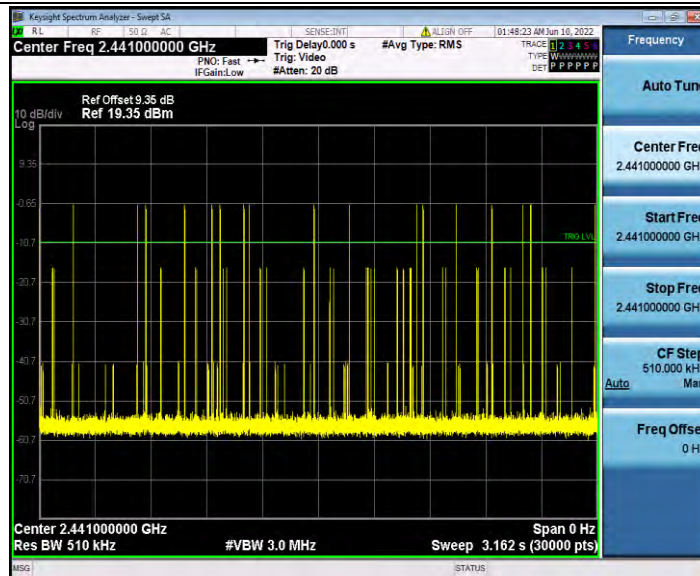
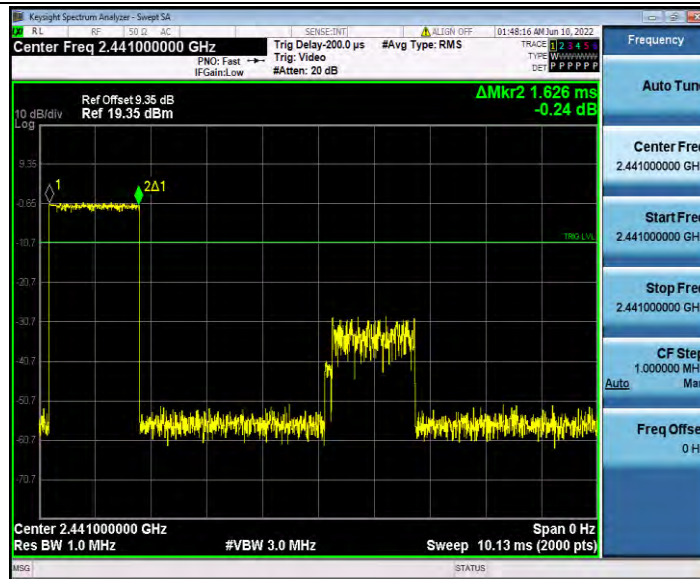




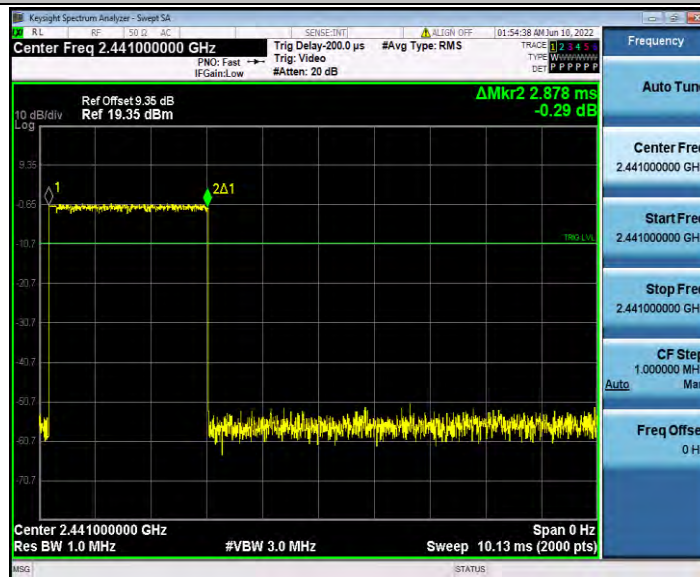
3DH1_Ant1_Hop

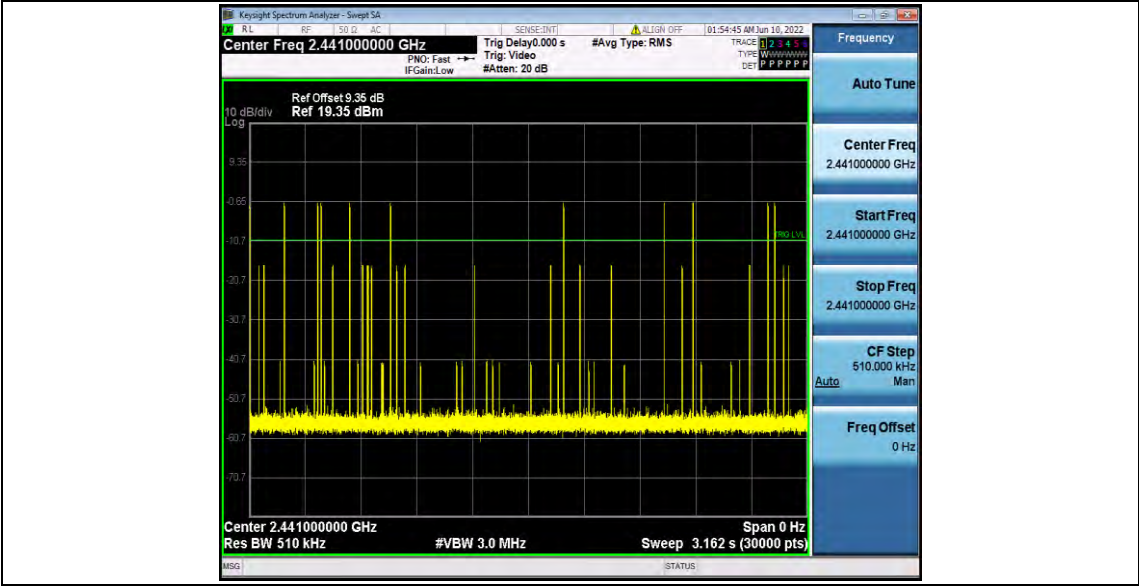


3DH3_Ant1_Hop



3DH5_Ant1_Hop





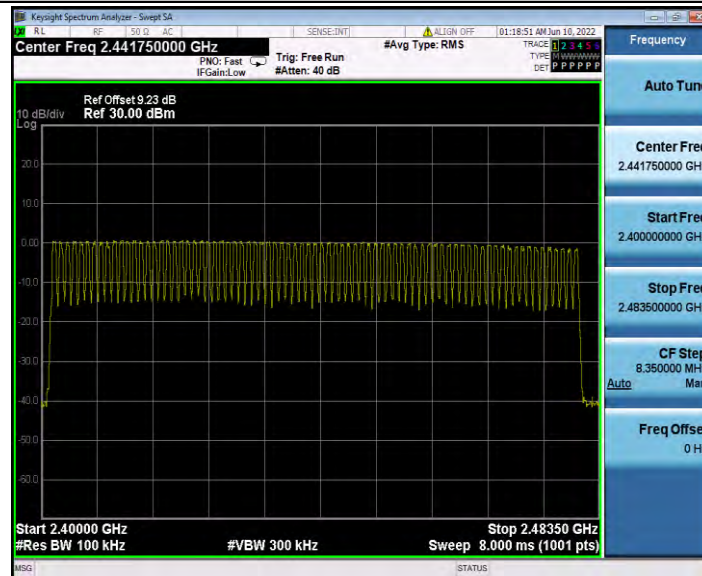
Appendix A.5: Number of hopping channels

Test Result

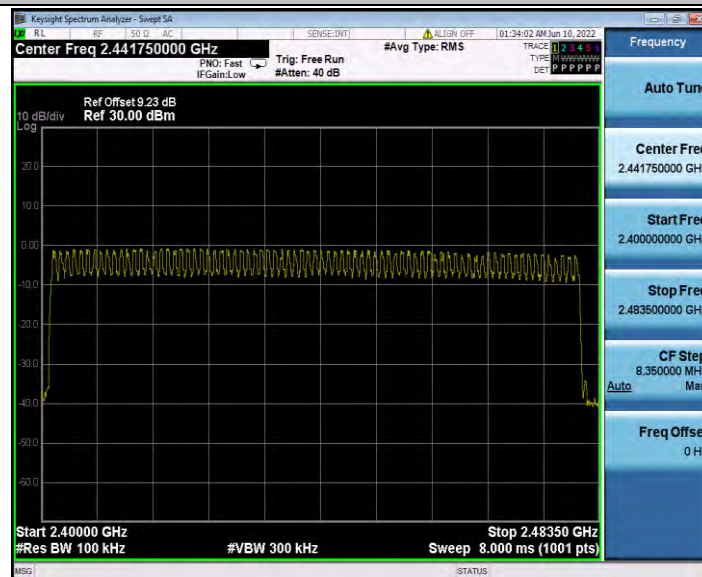
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

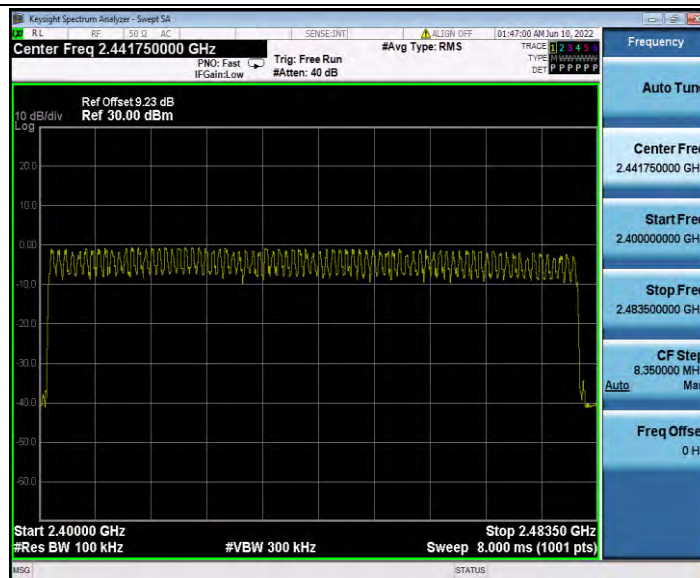
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



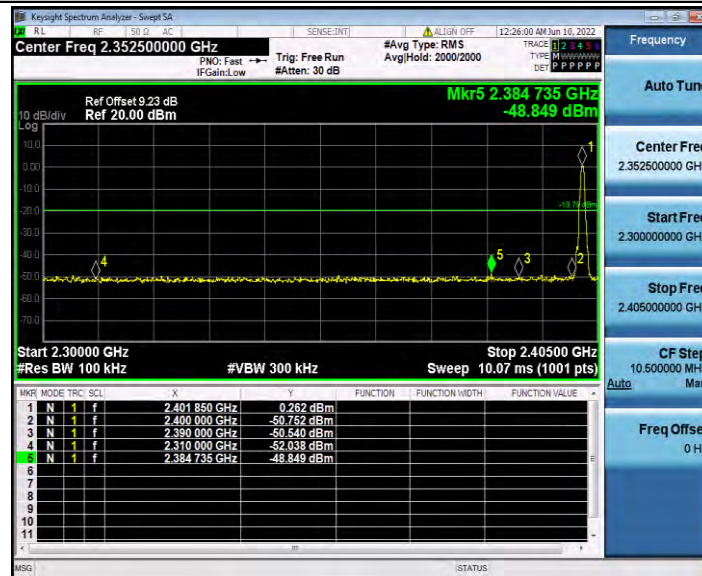
Appendix A.6: Band edge measurements

Test Result

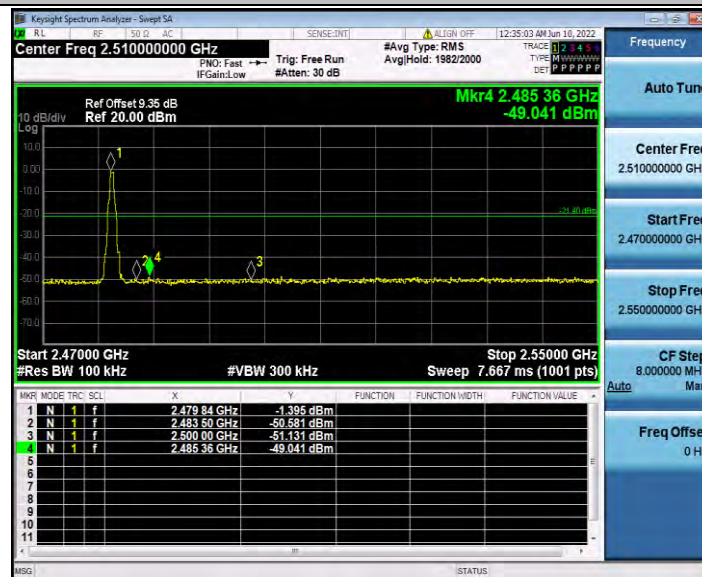
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	0.25	-48.85	≤-19.75	PASS
		High	2480	-1.40	-49.04	≤-21.4	PASS
		Low	Hop_2402	0.30	-49.10	≤-19.70	PASS
		High	Hop_2480	-1.04	-48.41	≤-21.04	PASS
2DH1	Ant1	Low	2402	-1.23	-48.70	≤-21.23	PASS
		High	2480	-2.36	-48.22	≤-22.36	PASS
		Low	Hop_2402	-1.15	-43.02	≤-21.15	PASS
		High	Hop_2480	-1.88	-48.17	≤-21.88	PASS
3DH1	Ant1	Low	2402	-1.03	-38.36	≤-21.03	PASS
		High	2480	-2.29	-48.47	≤-22.29	PASS
		Low	Hop_2402	-2.80	-49.10	≤-22.80	PASS
		High	Hop_2480	-2.16	-48.44	≤-22.16	PASS

Test Graphs

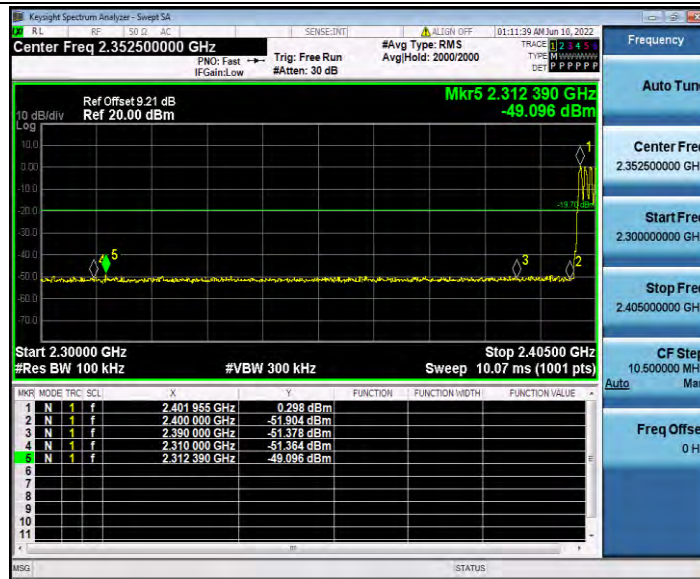
DH1_Ant1_Low_2402



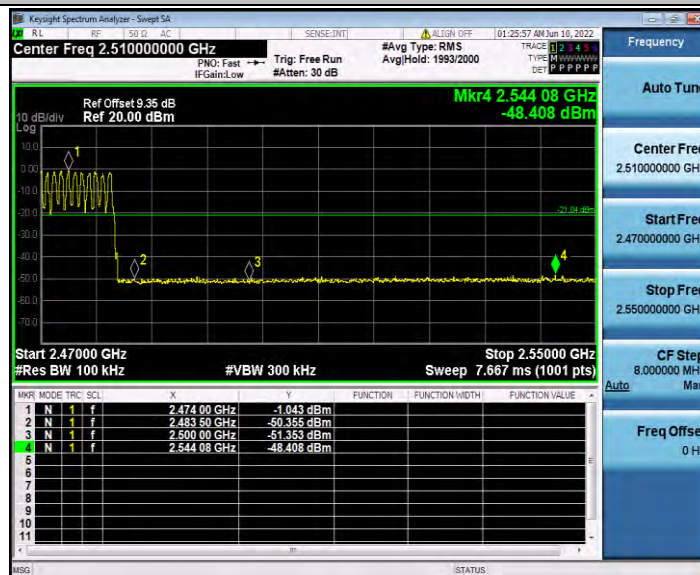
DH1_Ant1_High_2480



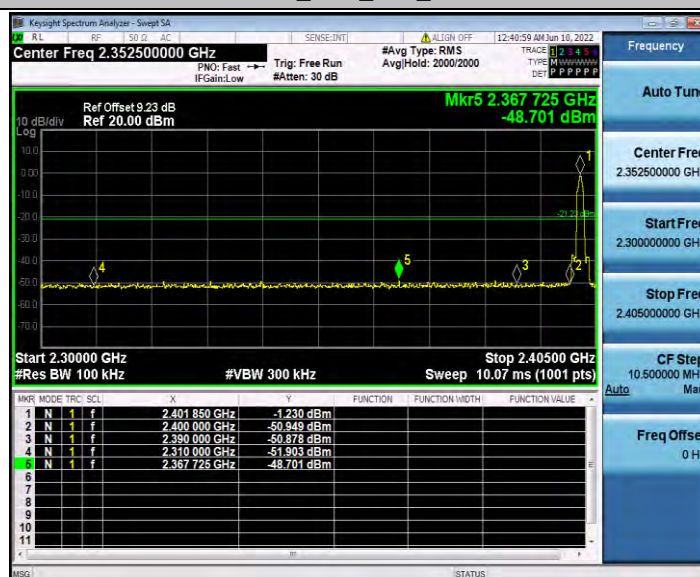
DH1_Ant1_Low_Hop_2402



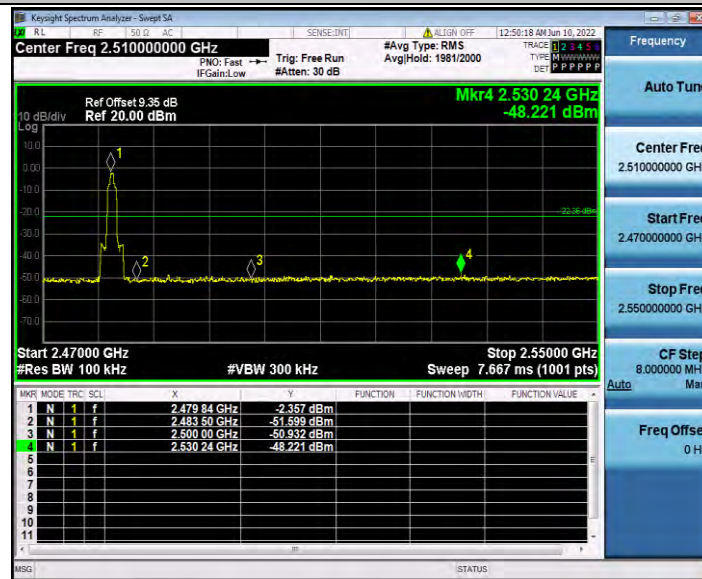
DH1_Ant1_High_Hop_2480



2DH1_Ant1_Low_2402



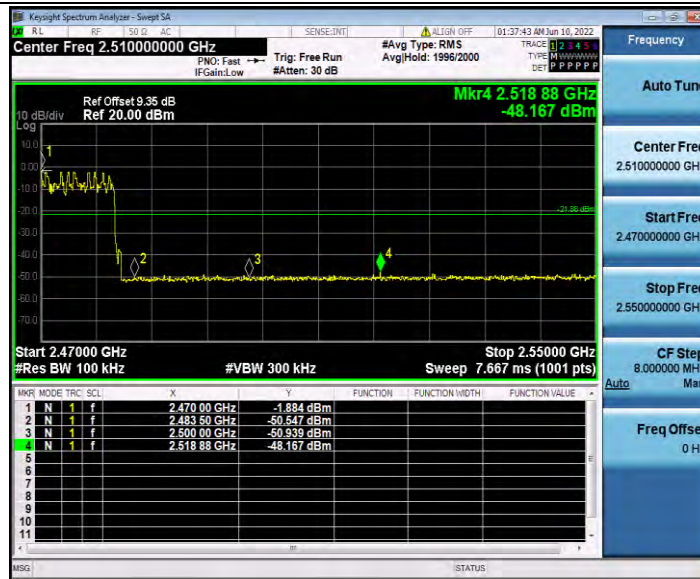
2DH1_Ant1_High_2480



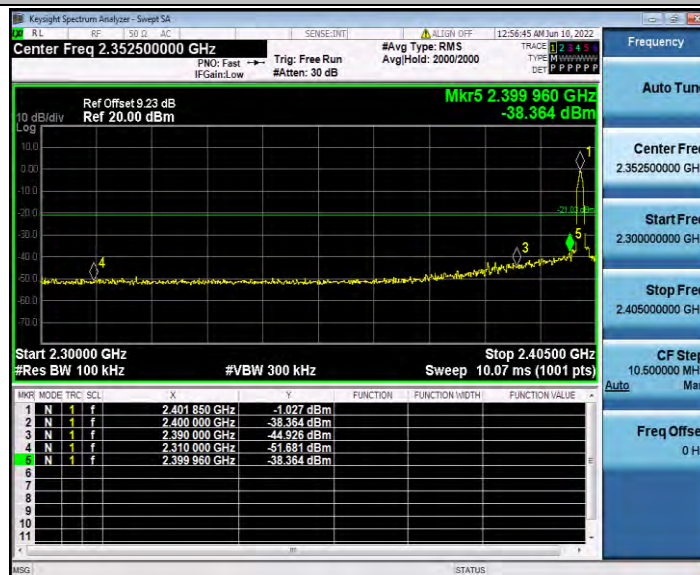
2DH1_Ant1_Low_Hop_2402



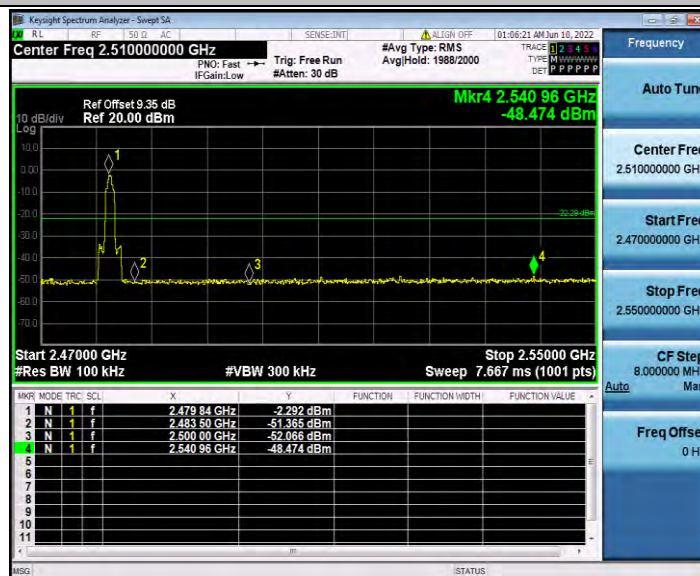
2DH1_Ant1_High_Hop_2480



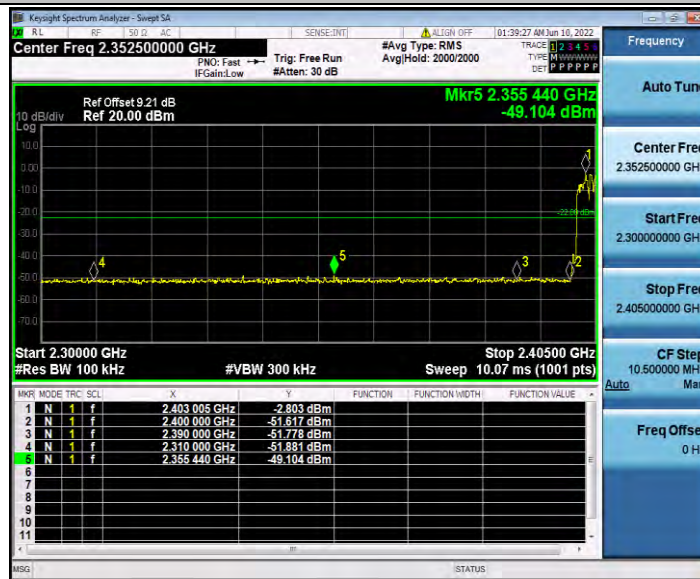
3DH1_Ant1_Low_2402



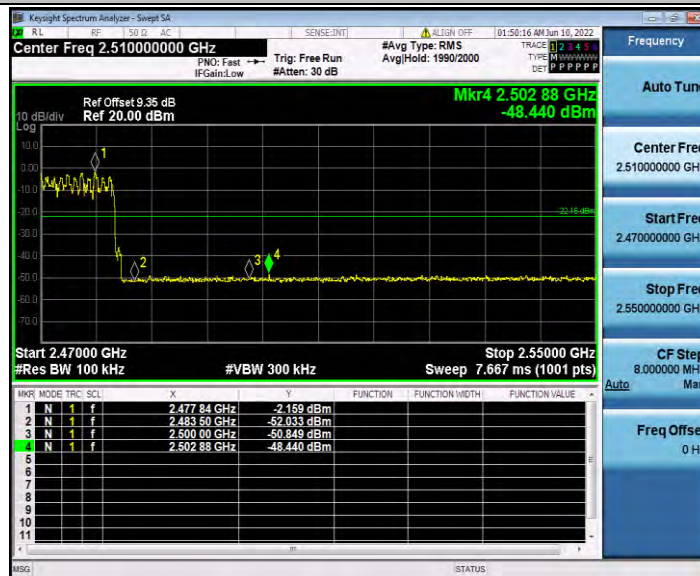
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.7: Conducted Spurious Emission

Test Result

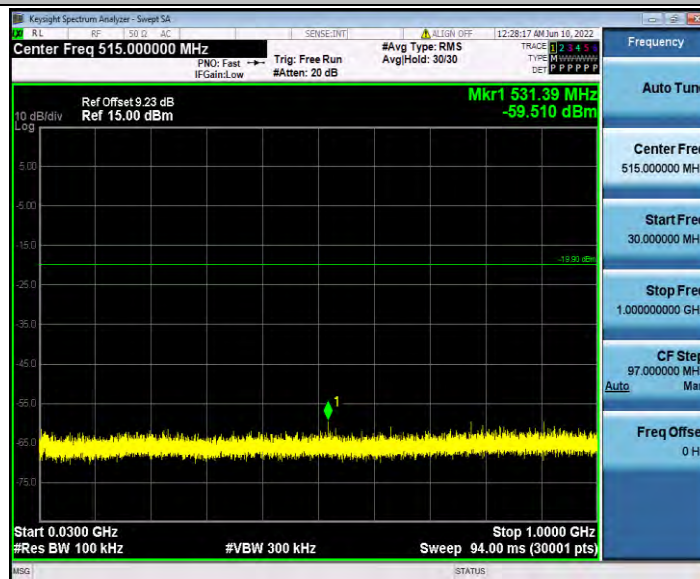
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	0.10	0.10	---	PASS
			30~1000	0.10	-59.51	≤-19.9	PASS
			1000~26500	0.10	-47.5	≤-19.9	PASS
		2441	Reference	0.03	0.03	---	PASS
			30~1000	0.03	-59.84	≤-19.97	PASS
			1000~26500	0.03	-47.49	≤-19.97	PASS
		2480	Reference	-1.72	-1.72	---	PASS
			30~1000	-1.72	-60.3	≤-21.72	PASS
			1000~26500	-1.72	-46.59	≤-21.72	PASS
2DH1	Ant1	2402	Reference	-1.54	-1.54	---	PASS
			30~1000	-1.54	-60.52	≤-21.54	PASS
			1000~26500	-1.54	-47.87	≤-21.54	PASS
		2441	Reference	-1.22	-1.22	---	PASS
			30~1000	-1.22	-60.05	≤-21.22	PASS
			1000~26500	-1.22	-47.92	≤-21.22	PASS
		2480	Reference	-3.28	-3.28	---	PASS
			30~1000	-3.28	-60.71	≤-23.28	PASS
			1000~26500	-3.28	-47.89	≤-23.28	PASS
3DH1	Ant1	2402	Reference	-1.40	-1.40	---	PASS
			30~1000	-1.40	-60.28	≤-21.4	PASS
			1000~26500	-1.40	-47.34	≤-21.4	PASS
		2441	Reference	-1.04	-1.04	---	PASS
			30~1000	-1.04	-60.58	≤-21.04	PASS
			1000~26500	-1.04	-47.85	≤-21.04	PASS
		2480	Reference	-3.74	-3.74	---	PASS
			30~1000	-3.74	-60.7	≤-23.74	PASS
			1000~26500	-3.74	-47.23	≤-23.74	PASS

Test Graphs

DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



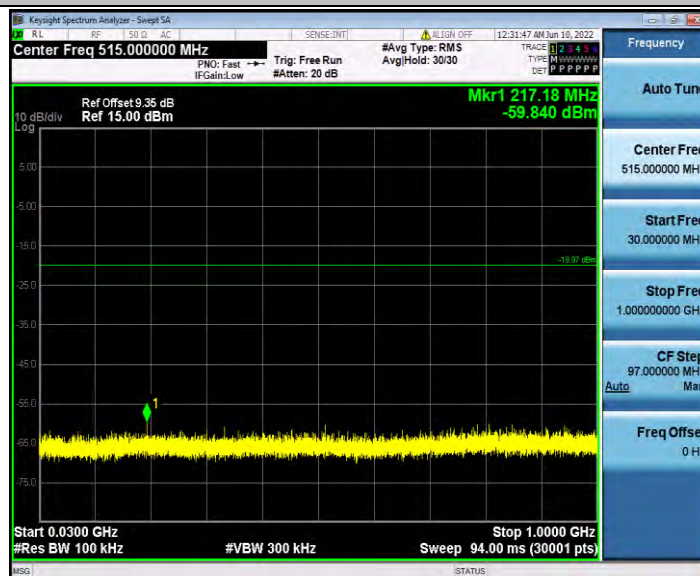
DH1_Ant1_2402_1000~26500



DH1_Ant1_2441_0~Reference



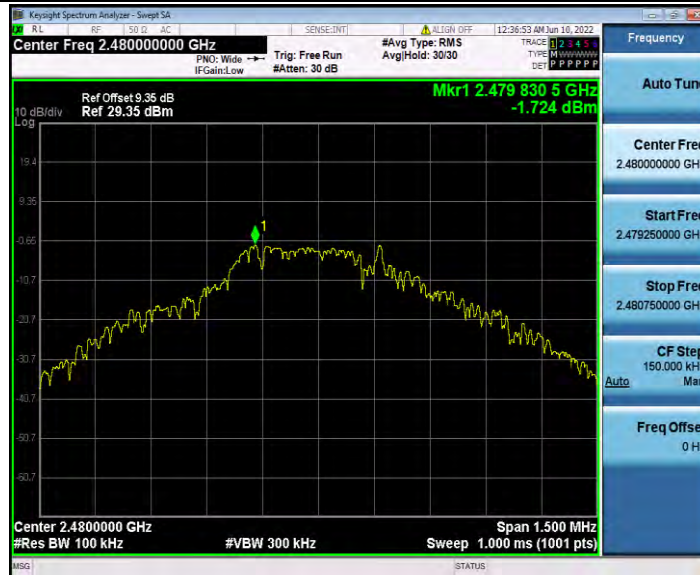
DH1_Ant1_2441_30~1000



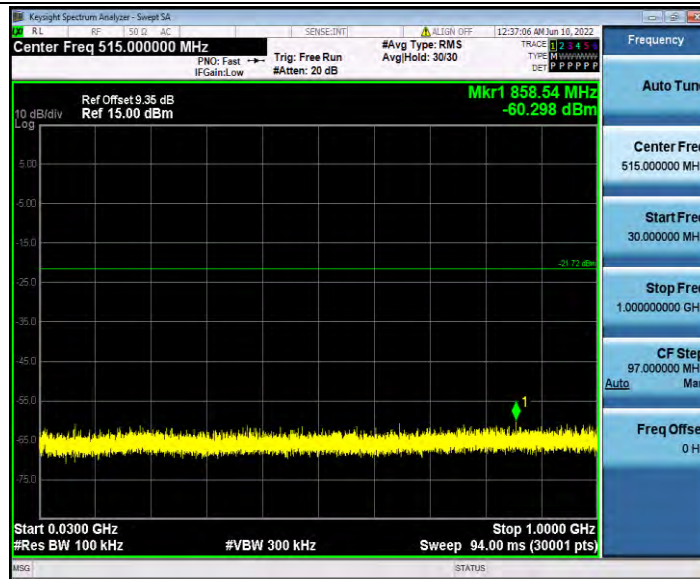
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



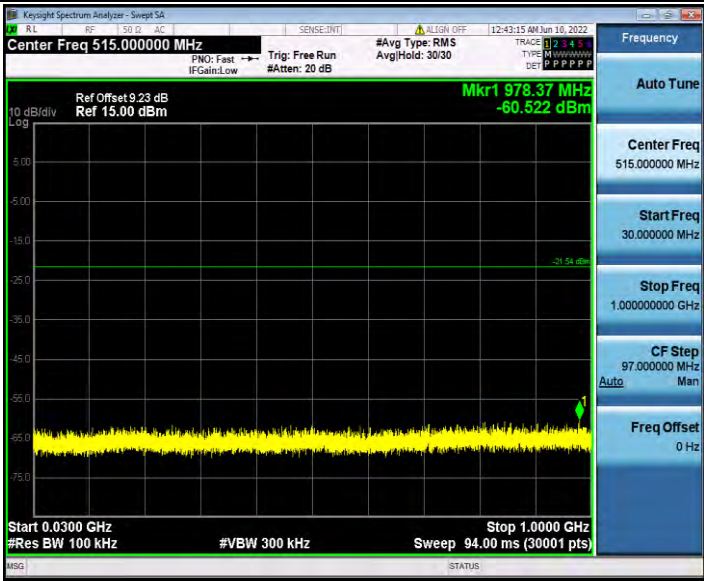
DH1_Ant1_2480_1000~26500



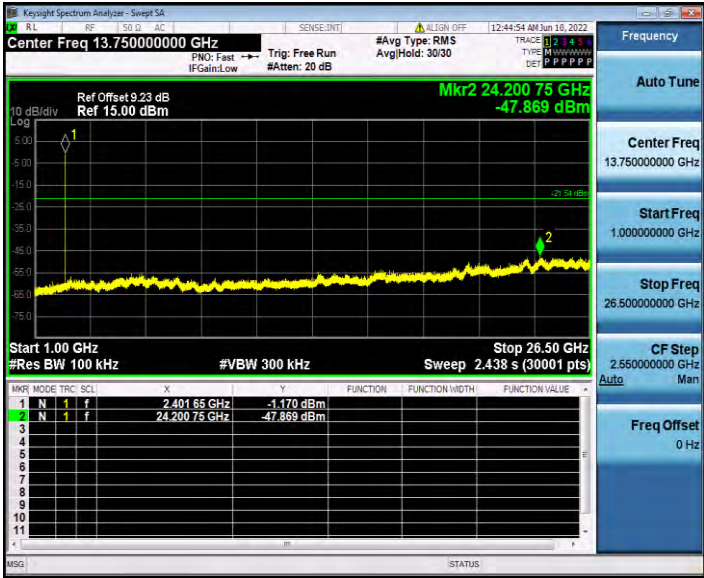
2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



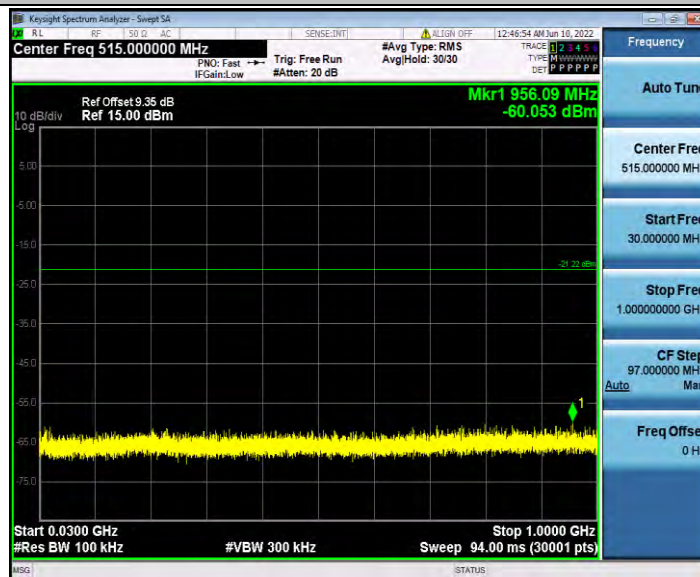
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



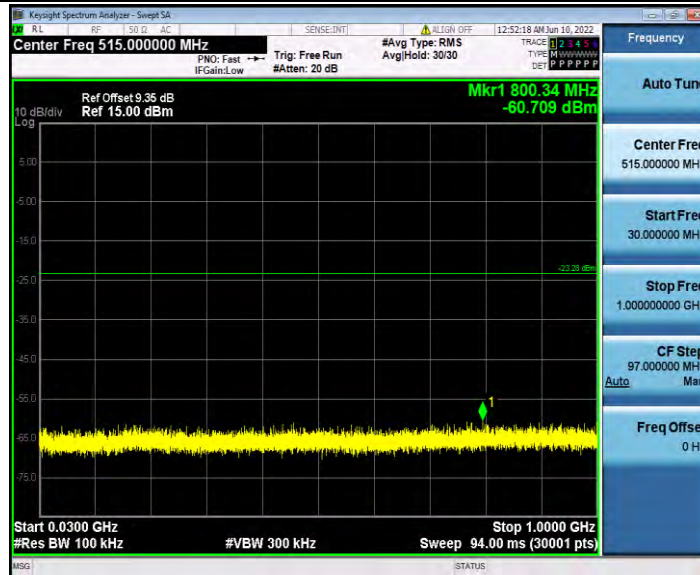
2DH1_Ant1_2441_1000~26500



2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



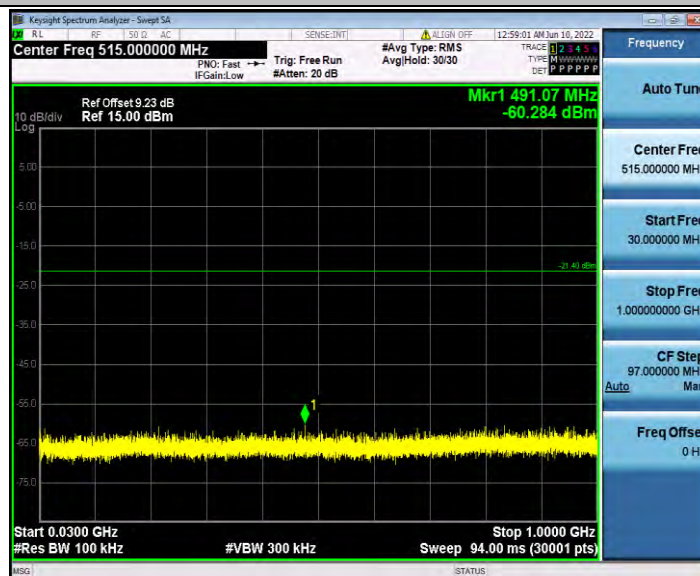
2DH1_Ant1_2480_1000~26500



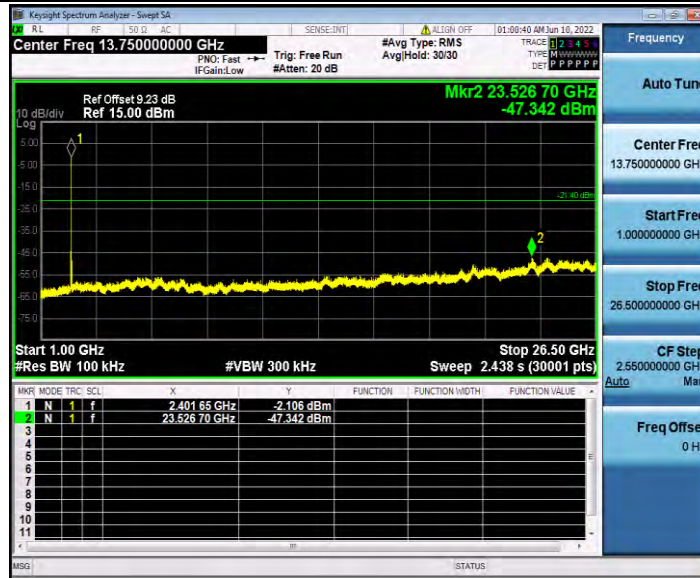
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



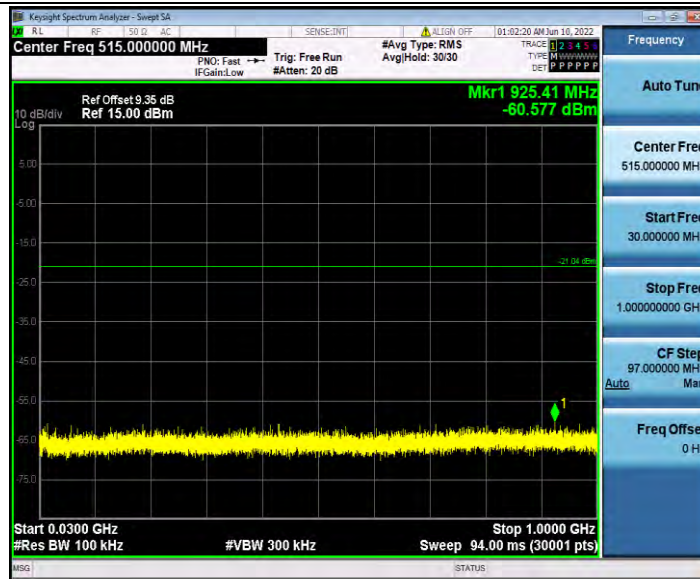
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



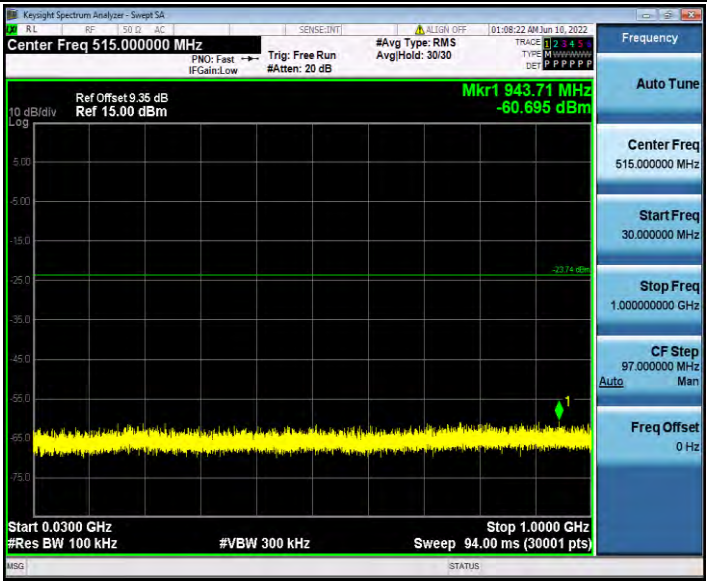
3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500

