

Case No. : GTS20220909003-2-1	
Ambient Condition: 24 °C, 49 %RH, Atmos100.1Kpa,	
Test Date: 2022.11.30	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	1.059	2401.442	2402.501	---	---
		2441	1.020	2440.463	2441.483	---	---
		2480	1.056	2479.454	2480.510	---	---
2DH1	Ant1	2402	1.362	2401.283	2402.645	---	---
		2441	1.356	2440.295	2441.651	---	---
		2480	1.365	2479.292	2480.657	---	---
3DH1	Ant1	2402	1.281	2401.322	2402.603	---	---
		2441	1.275	2440.334	2441.609	---	---
		2480	1.332	2479.307	2480.639	---	---

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	0.93594	2401.494	2402.430	---	---
		2441	0.92923	2440.502	2441.431	---	---
		2480	0.92960	2479.508	2480.437	---	---
2DH1	Ant1	2402	1.1979	2401.357	2402.555	---	---
		2441	1.2062	2440.355	2441.562	---	---
		2480	1.1998	2479.362	2480.562	---	---
3DH1	Ant1	2402	1.1774	2401.386	2402.564	---	---
		2441	1.1789	2440.391	2441.570	---	---
		2480	1.1763	2479.397	2480.573	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480



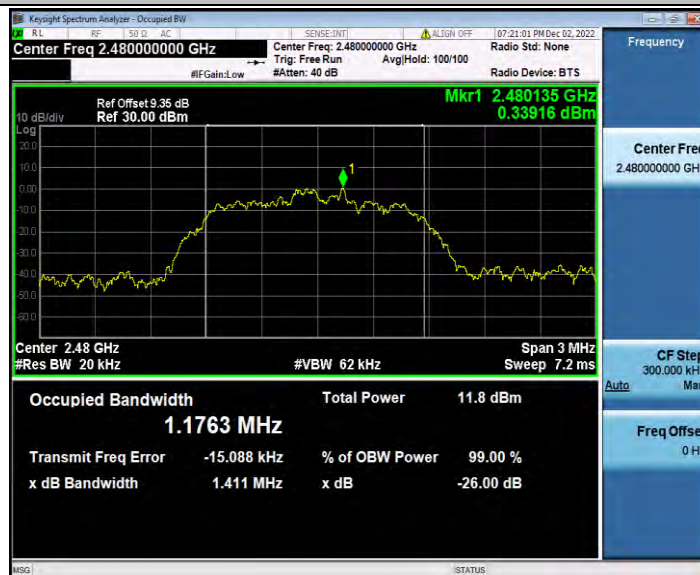
3DH1_Ant1_2402



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	8.05	≤20.97	PASS
		2441	9.04	≤20.97	PASS
		2480	9.27	≤20.97	PASS
2DH1	Ant1	2402	5.82	≤20.97	PASS
		2441	6.95	≤20.97	PASS
		2480	7.13	≤20.97	PASS
3DH1	Ant1	2402	6.39	≤20.97	PASS
		2441	7.48	≤20.97	PASS
		2480	7.52	≤20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.008	≥ 0.706	PASS
		Hop_2441	0.994	≥ 0.706	PASS
		Hop_2480	1.008	≥ 0.706	PASS
2DH1	Ant1	Hop_2402	1.002	≥ 0.910	PASS
		Hop_2441	1.002	≥ 0.910	PASS
		Hop_2480	1.018	≥ 0.910	PASS
3DH1	Ant1	Hop_2402	1.01	≥ 0.888	PASS
		Hop_2441	1.008	≥ 0.888	PASS
		Hop_2480	1.012	≥ 0.888	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



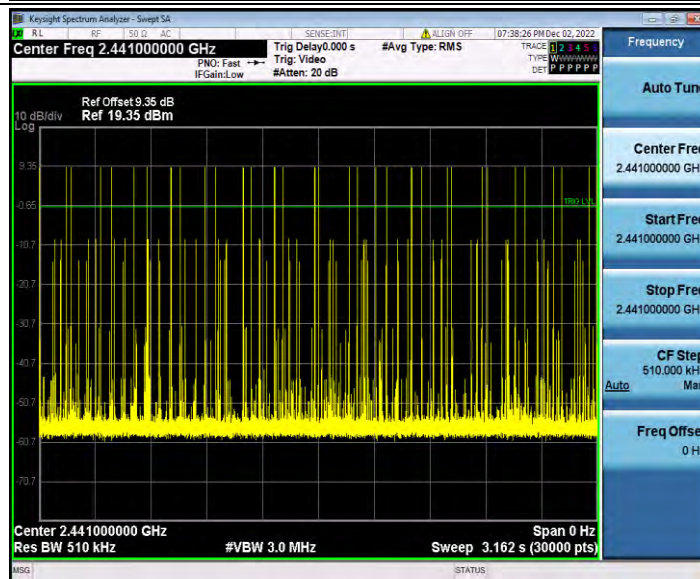
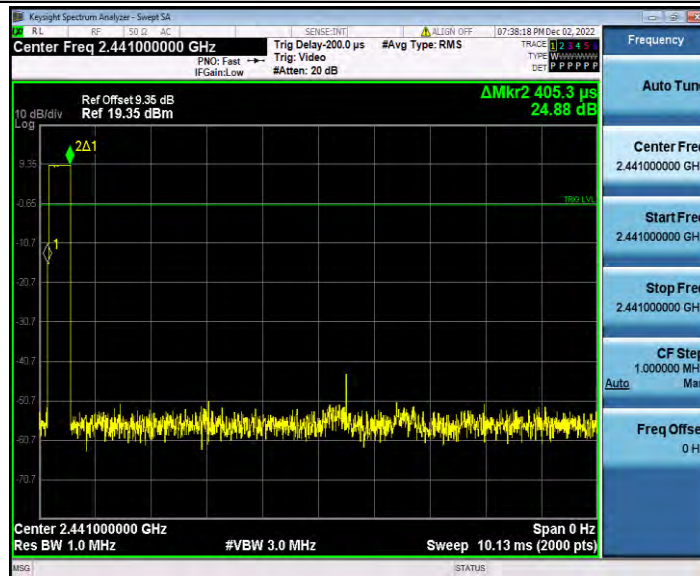
Appendix A.5: Time of occupancy

Test Result

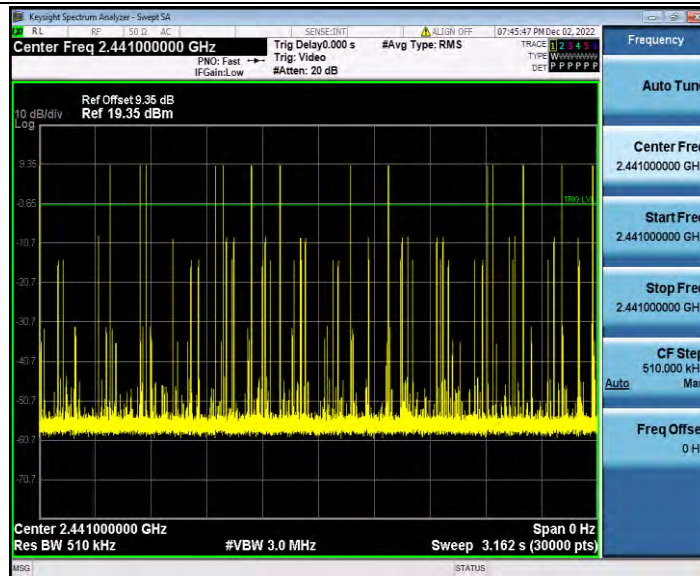
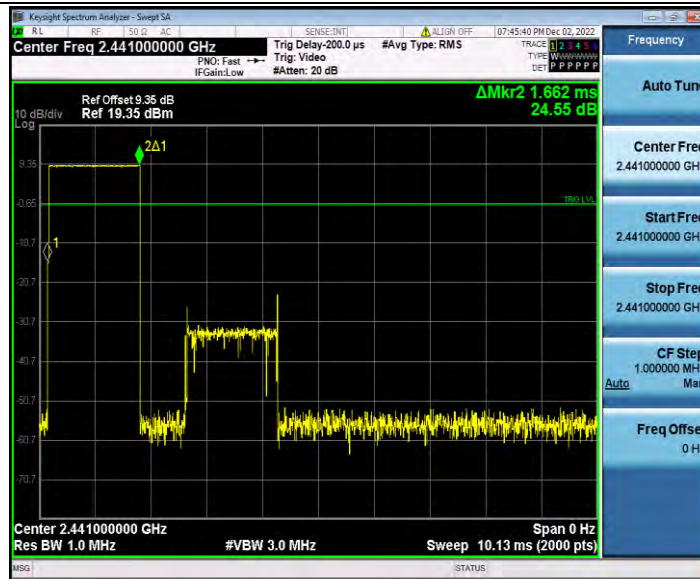
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.41	330	0.134	≤0.4	PASS
DH3	Ant1	Hop	1.66	150	0.249	≤0.4	PASS
DH5	Ant1	Hop	2.91	90	0.262	≤0.4	PASS
2DH1	Ant1	Hop	0.38	310	0.118	≤0.4	PASS
2DH3	Ant1	Hop	1.63	180	0.294	≤0.4	PASS
2DH5	Ant1	Hop	2.88	130	0.375	≤0.4	PASS
3DH1	Ant1	Hop	0.38	320	0.122	≤0.4	PASS
3DH3	Ant1	Hop	1.63	150	0.245	≤0.4	PASS
3DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

Test Graphs

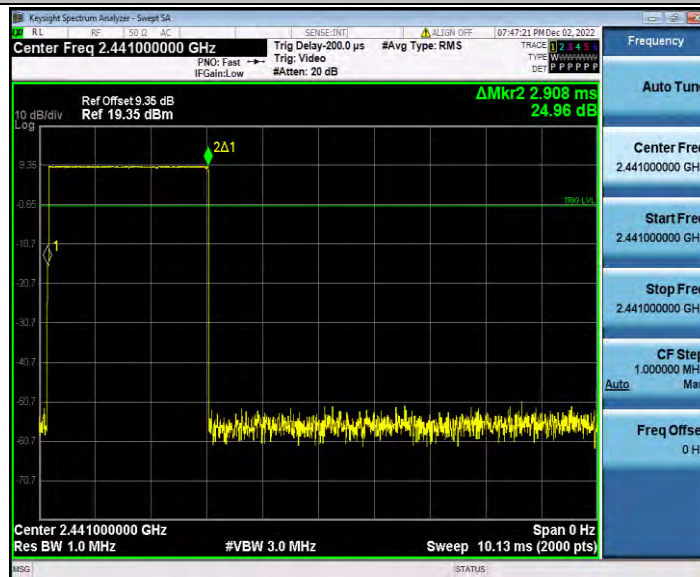
DH1_Ant1_Hop

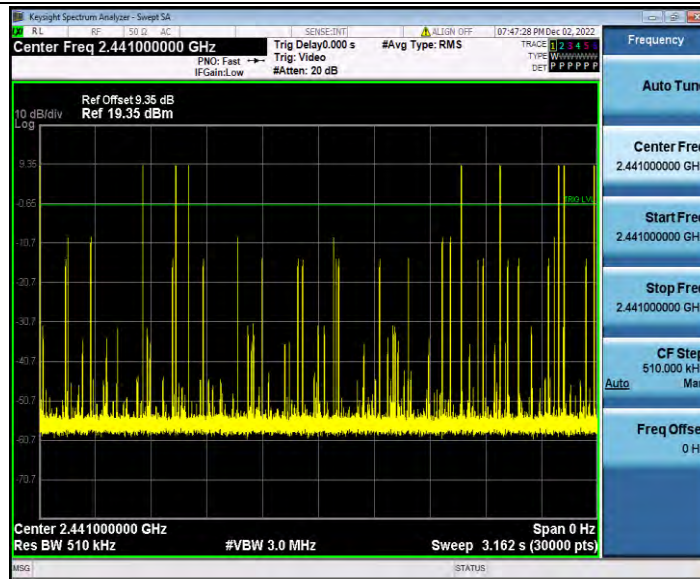


DH3_Ant1_Hop

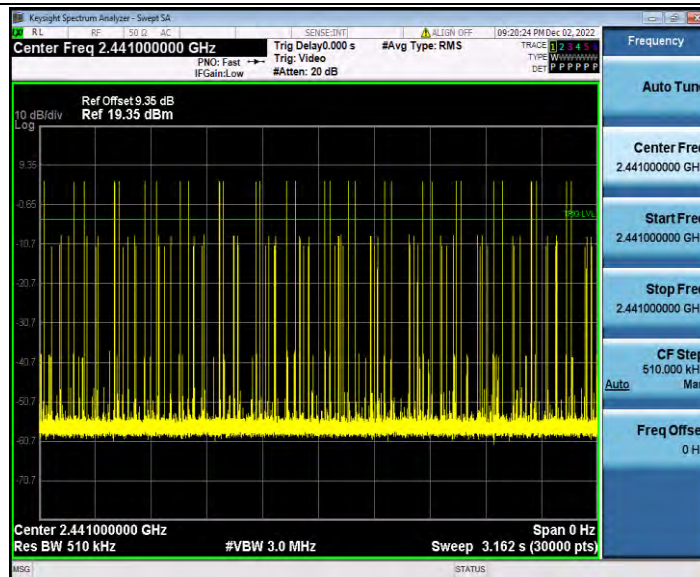
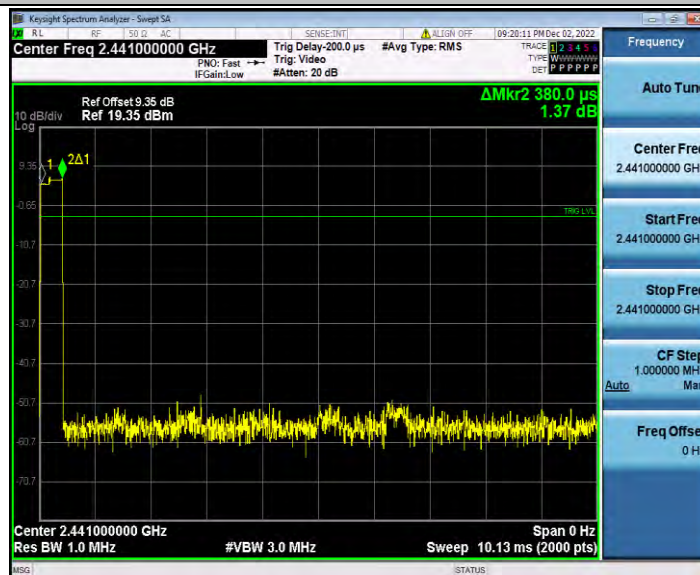


DH5_Ant1_Hop

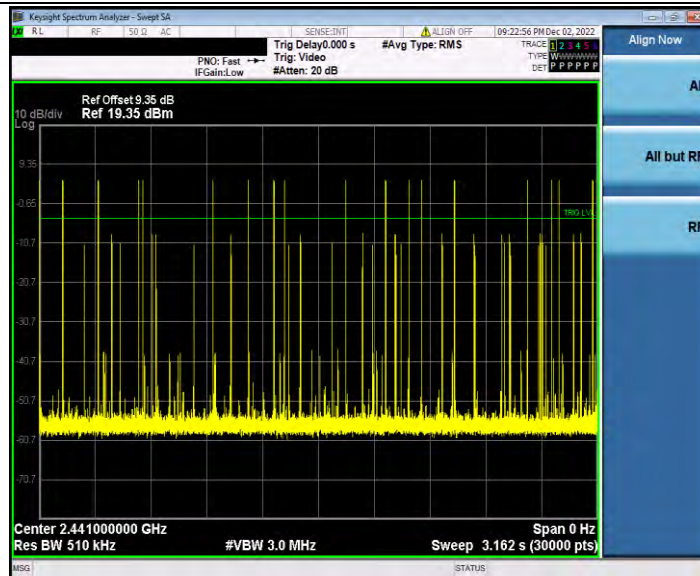
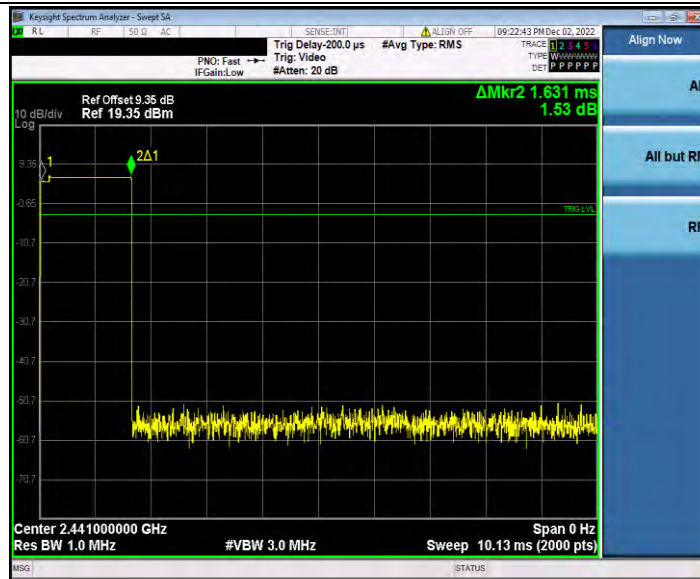




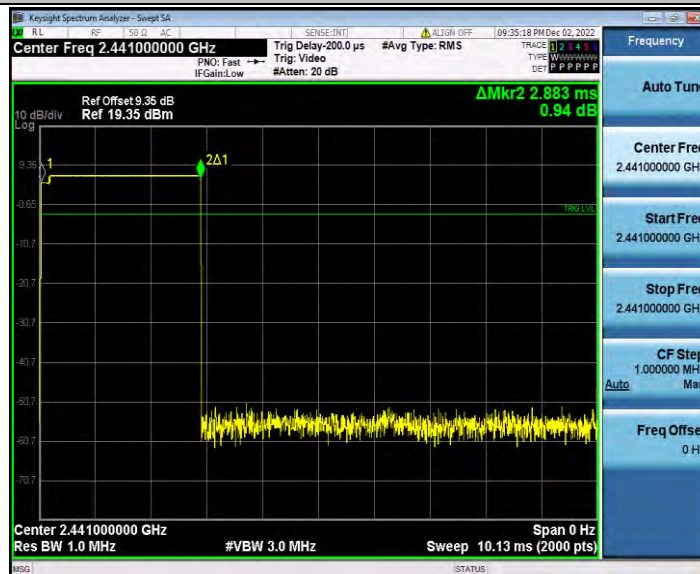
2DH1_Ant1_Hop

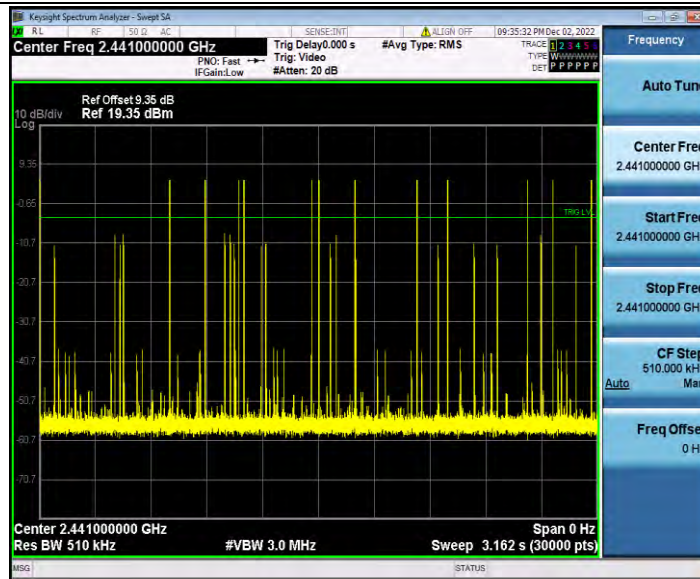


2DH3_Ant1_Hop

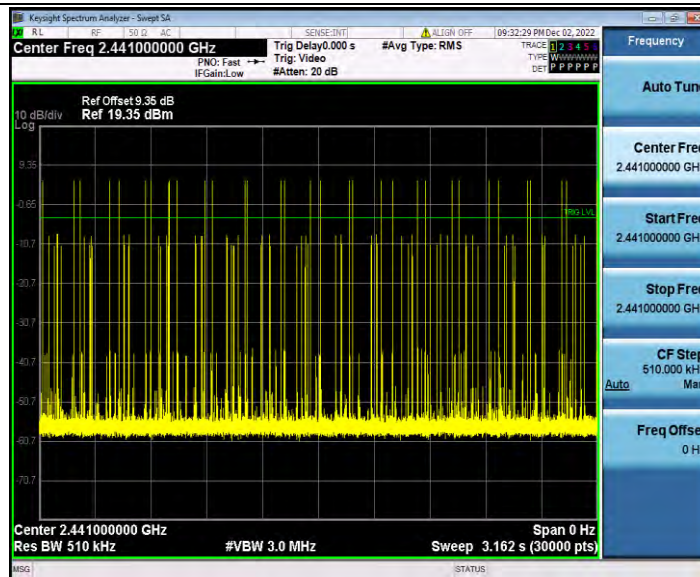
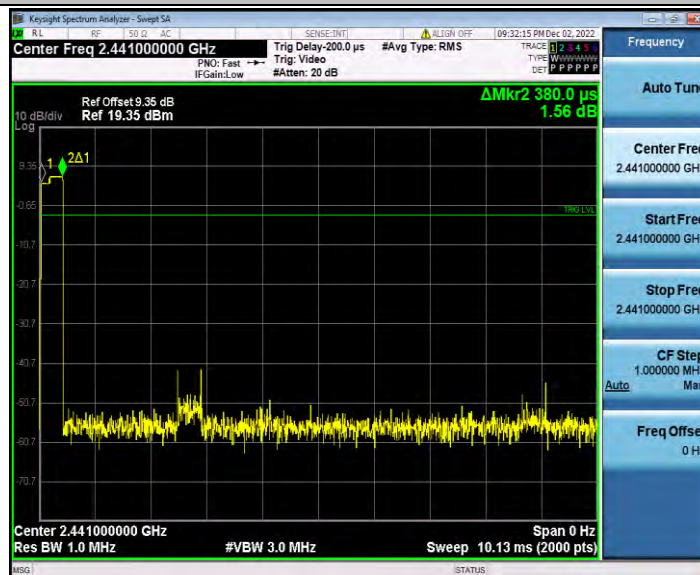


2DH5_Ant1_Hop

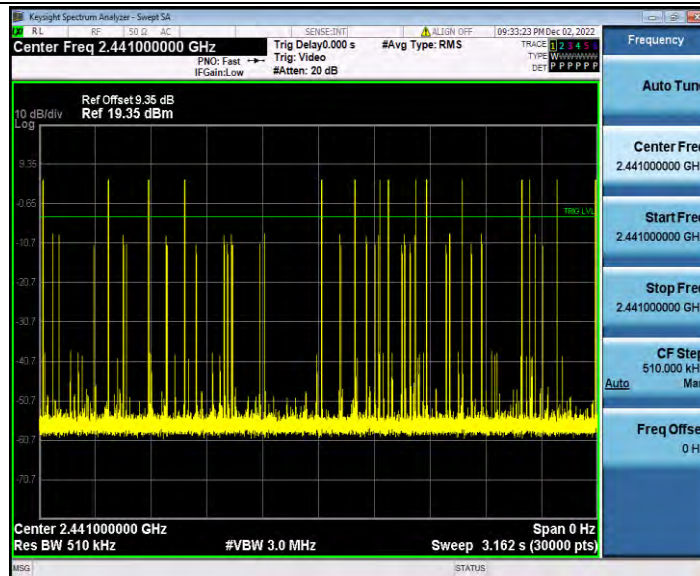




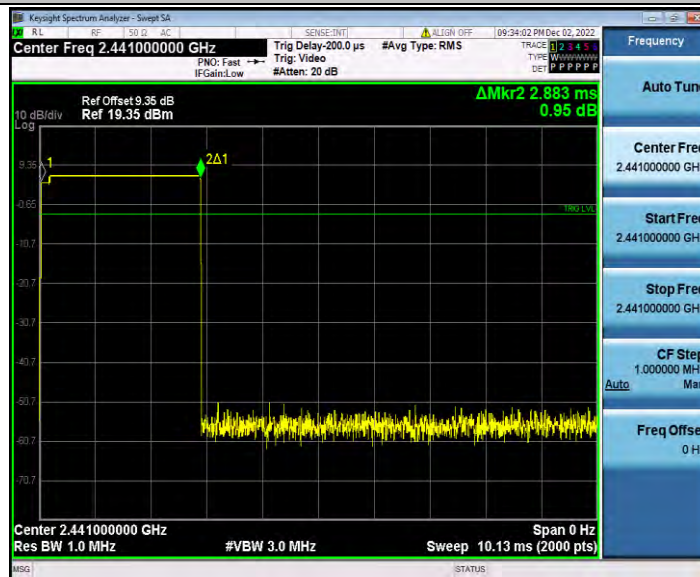
3DH1_Ant1_Hop

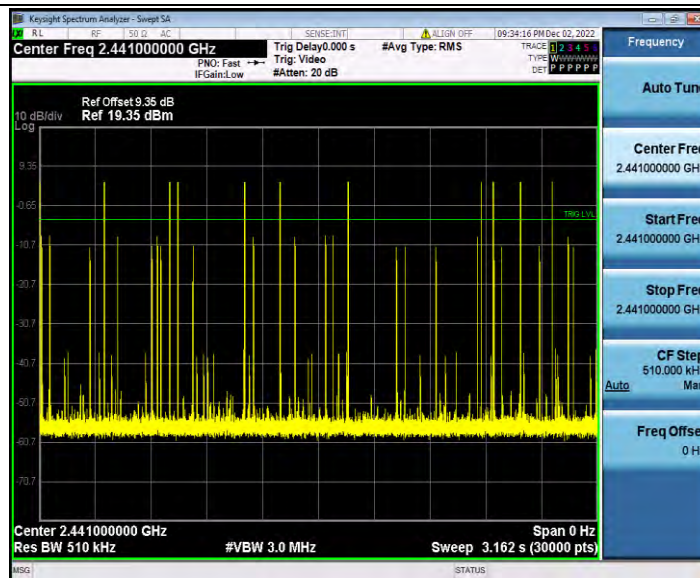


3DH3_Ant1_Hop



3DH5_Ant1_Hop





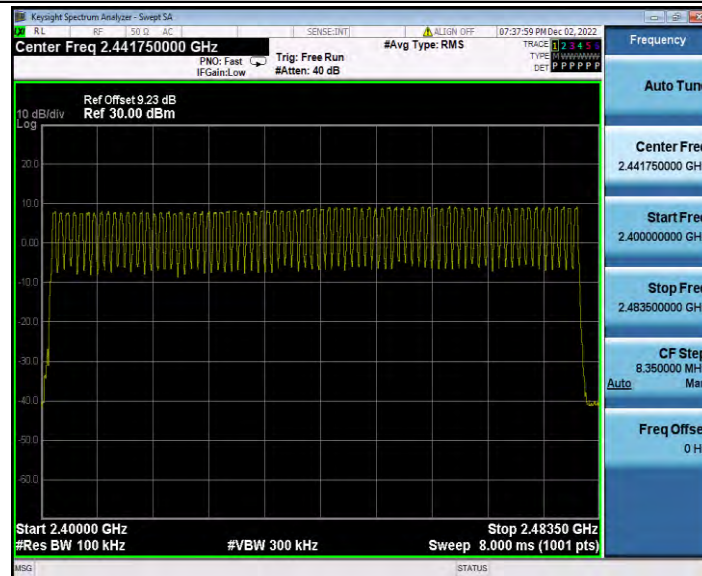
Appendix A.6: Number of hopping channels

Test Result

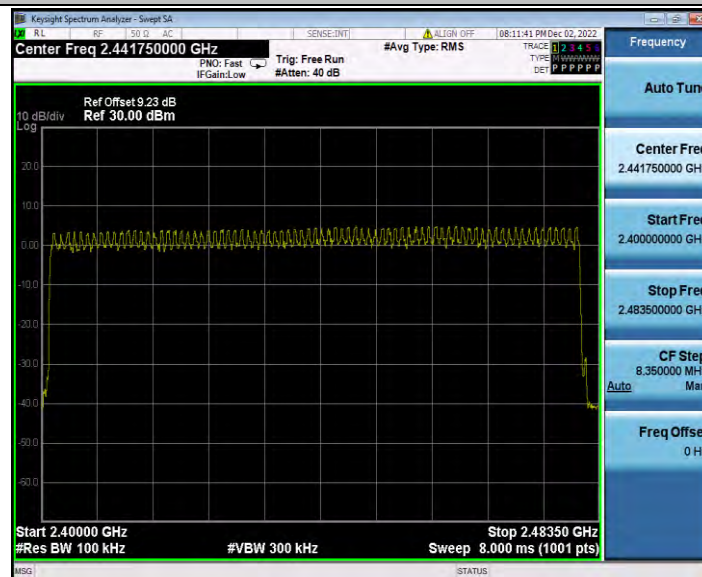
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

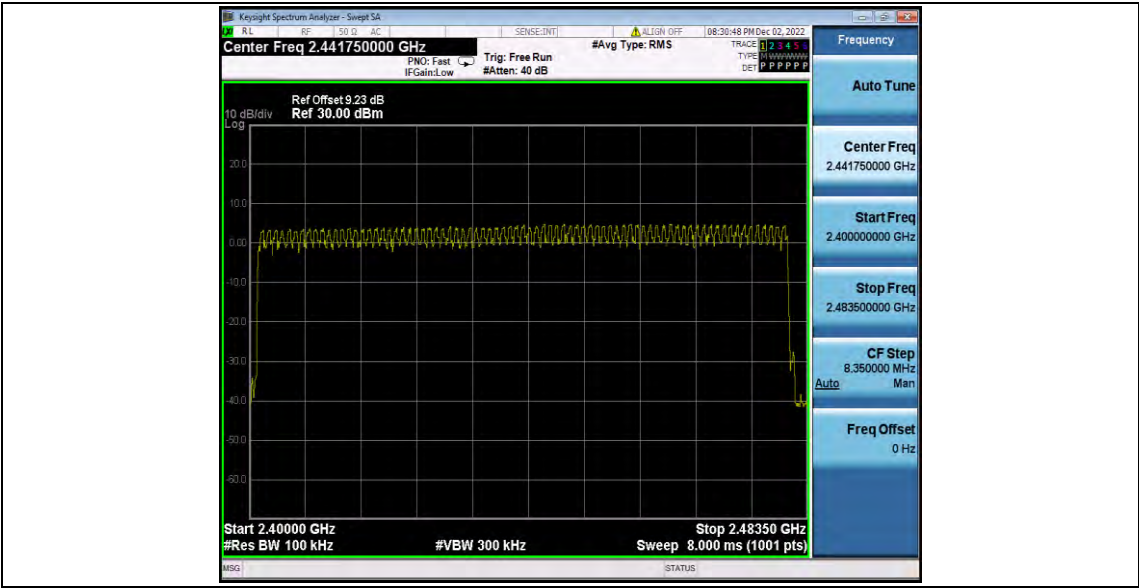
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



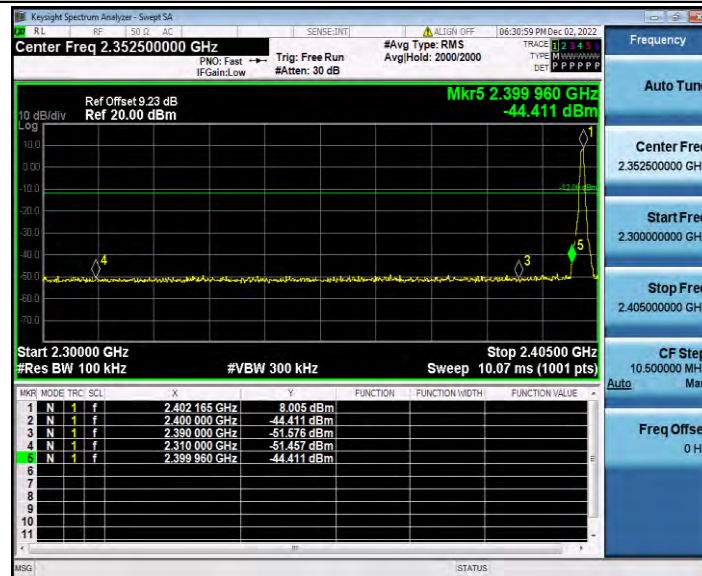
Appendix A.7: Band edge measurements

Test Result

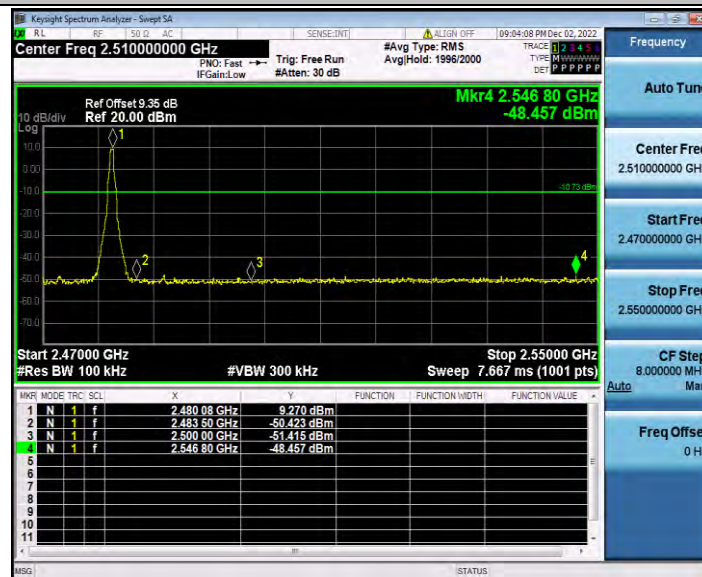
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	8.01	-44.41	≤-12	PASS
		High	2480	9.27	-48.46	≤-10.73	PASS
		Low	Hop_2402	7.35	-49.17	≤-12.66	PASS
		High	Hop_2480	9.08	-48.56	≤-10.92	PASS
2DH1	Ant1	Low	2402	3.37	-48.99	≤-16.63	PASS
		High	2480	4.88	-48.25	≤-15.12	PASS
		Low	Hop_2402	3.25	-48.89	≤-16.76	PASS
		High	Hop_2480	4.64	-48.89	≤-15.36	PASS
3DH1	Ant1	Low	2402	3.57	-49.05	≤-16.43	PASS
		High	2480	4.96	-48.28	≤-15.04	PASS
		Low	Hop_2402	3.09	-49.57	≤-16.91	PASS
		High	Hop_2480	4.93	-48.67	≤-15.07	PASS

Test Graphs

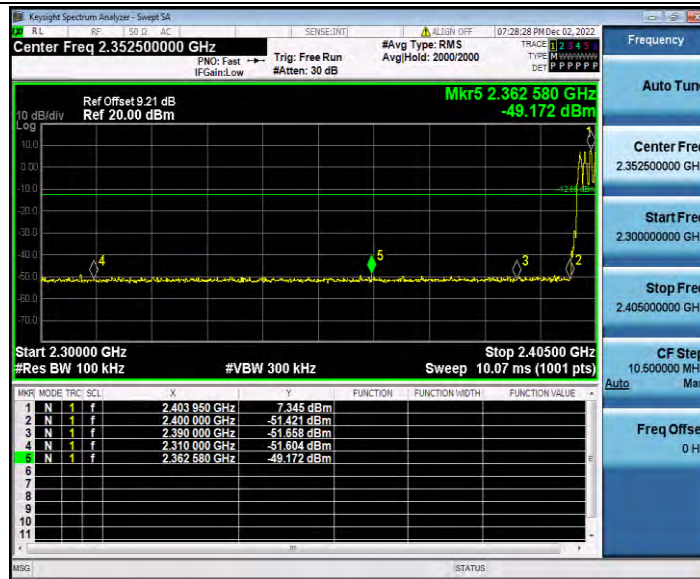
DH1_Ant1_Low_2402



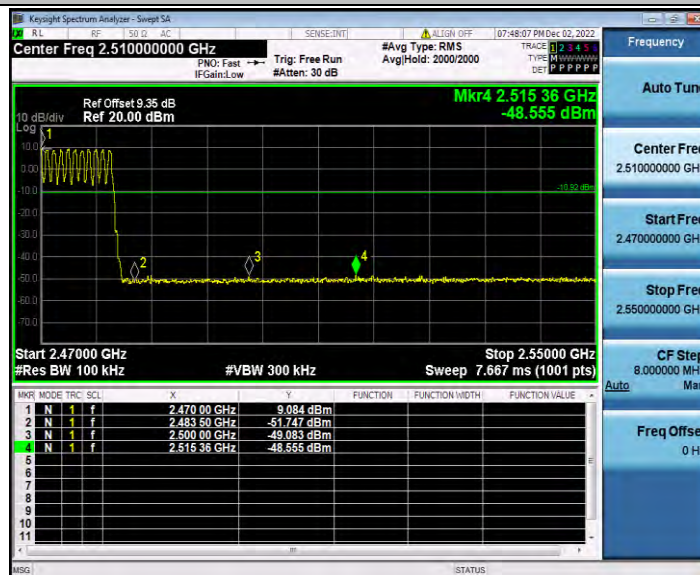
DH1_Ant1_High_2480



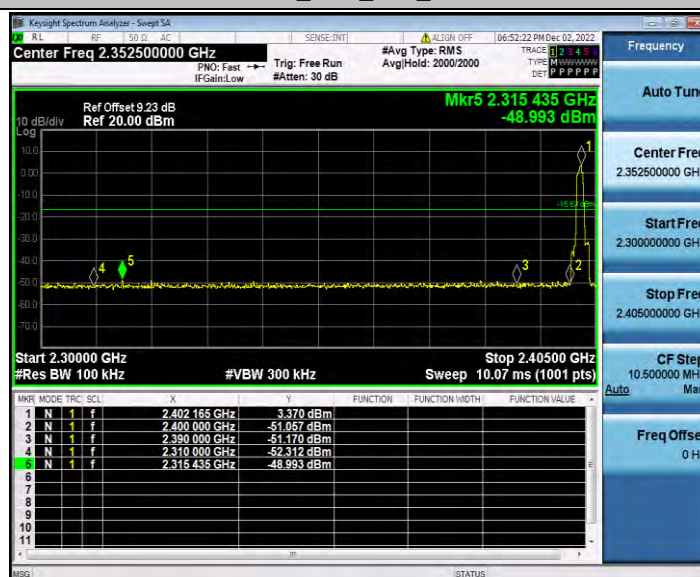
DH1_Ant1_Low_Hop_2402



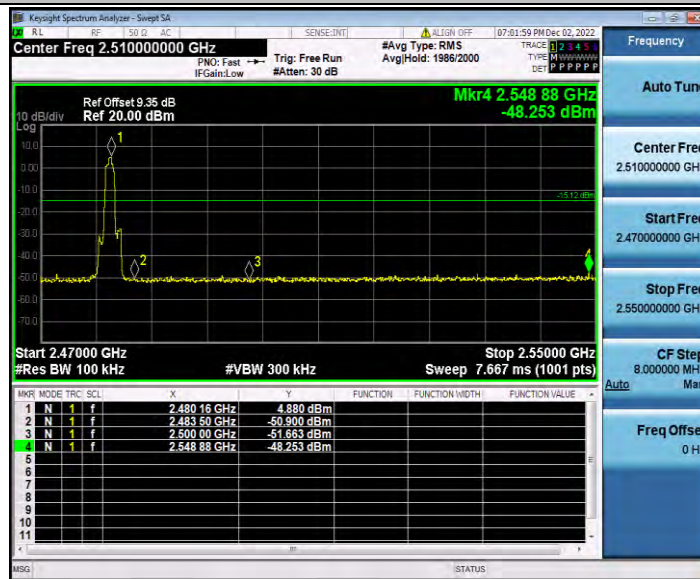
DH1_Ant1_High_Hop_2480



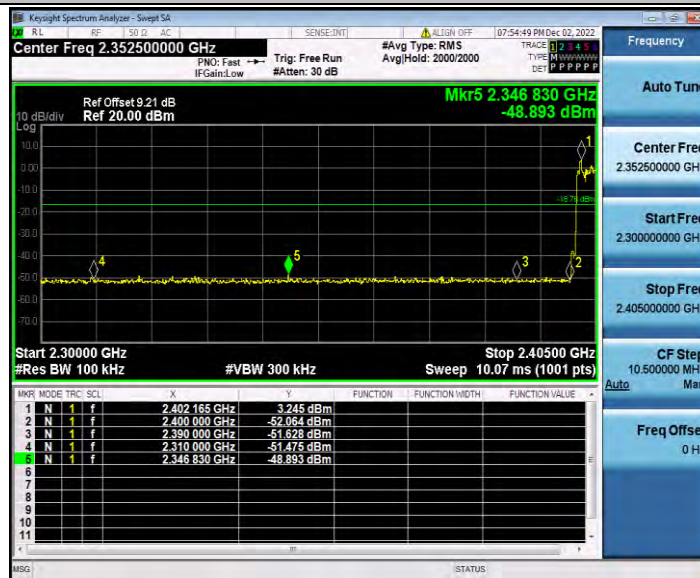
2DH1_Ant1_Low_2402



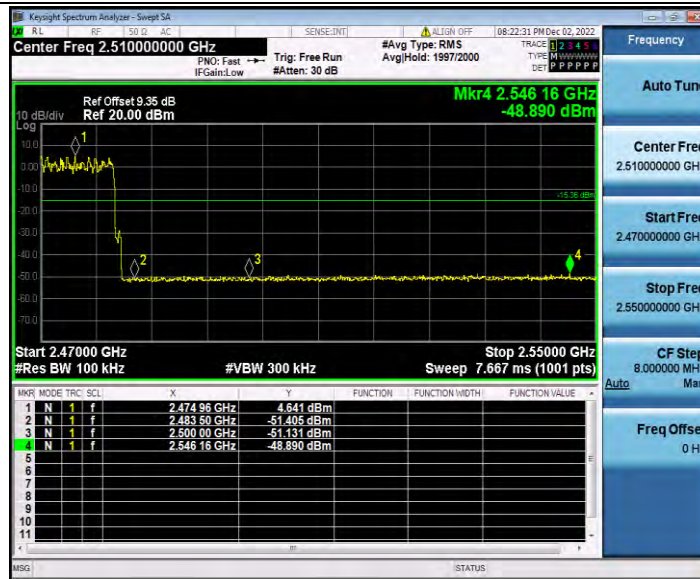
2DH1_Ant1_High_2480



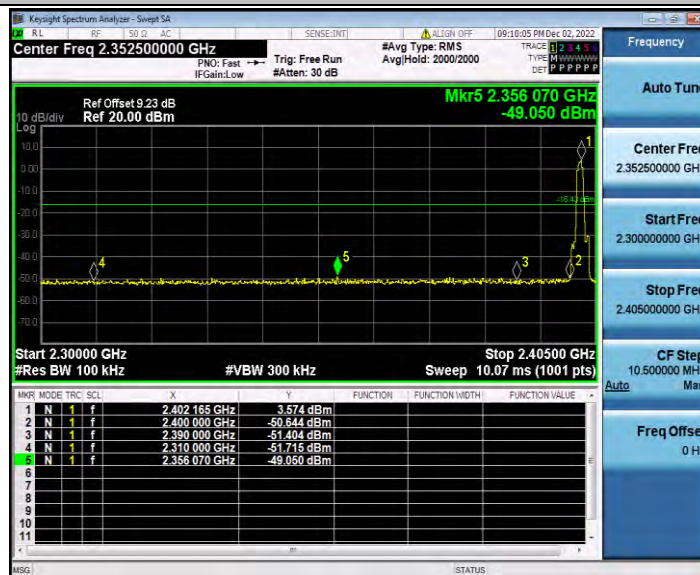
2DH1_Ant1_Low_Hop_2402



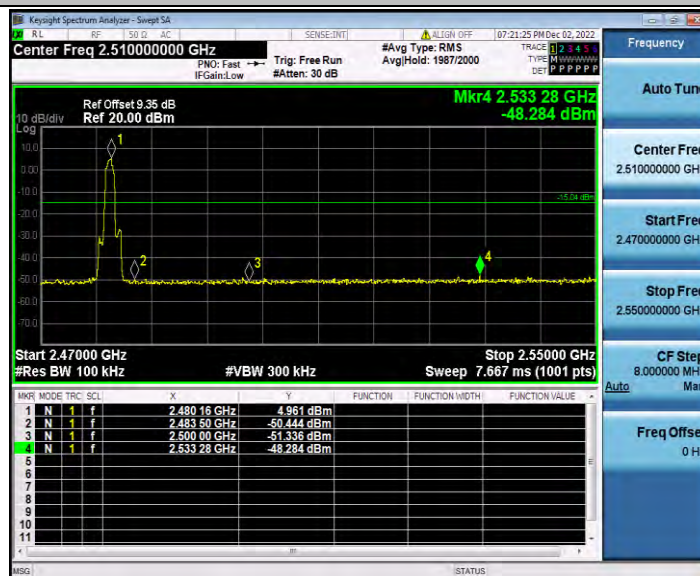
2DH1_Ant1_High_Hop_2480



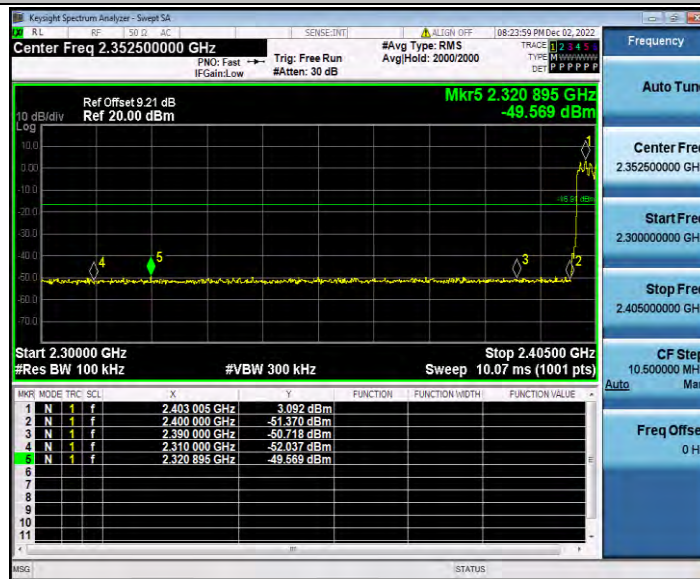
3DH1_Ant1_Low_2402



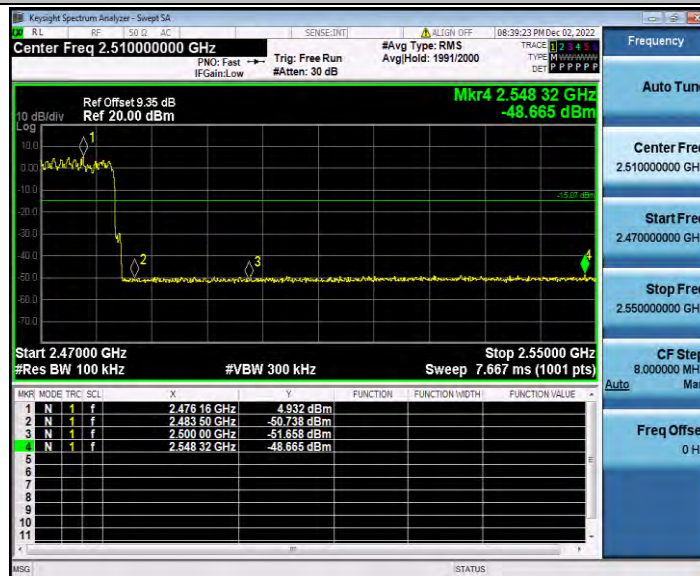
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.8: Conducted Spurious Emission

Test Result

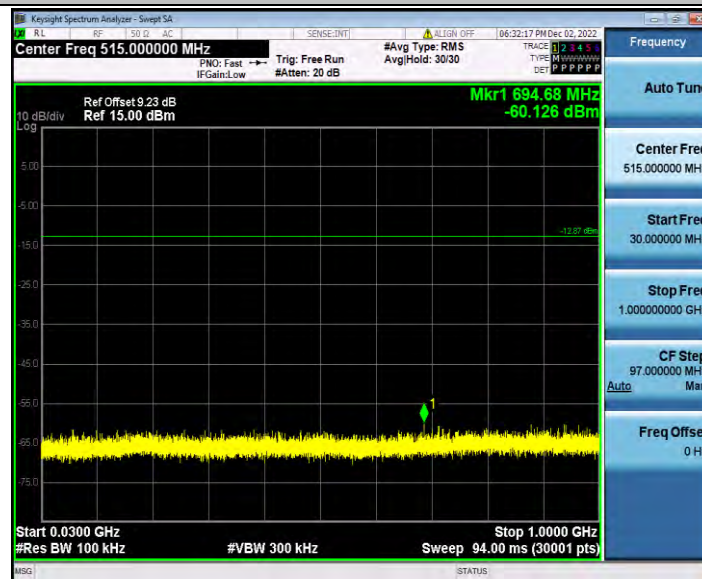
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	7.13	7.13	---	PASS
			30~1000	7.13	-60.13	≤-12.87	PASS
			1000~26500	7.13	-46.98	≤-12.87	PASS
		2441	Reference	8.26	8.26	---	PASS
			30~1000	8.26	-60.18	≤-11.74	PASS
			1000~26500	8.26	-47.7	≤-11.74	PASS
		2480	Reference	8.78	8.78	---	PASS
			30~1000	8.78	-60.83	≤-11.22	PASS
			1000~26500	8.78	-47.84	≤-11.22	PASS
2DH1	Ant1	2402	Reference	2.92	2.92	---	PASS
			30~1000	2.92	-59.97	≤-17.08	PASS
			1000~26500	2.92	-47.46	≤-17.08	PASS
		2441	Reference	4.34	4.34	---	PASS
			30~1000	4.34	-60.48	≤-15.66	PASS
			1000~26500	4.34	-46.94	≤-15.66	PASS
		2480	Reference	4.69	4.69	---	PASS
			30~1000	4.69	-60.99	≤-15.31	PASS
			1000~26500	4.69	-47.4	≤-15.31	PASS
3DH1	Ant1	2402	Reference	3.25	3.25	---	PASS
			30~1000	3.25	-60.47	≤-16.75	PASS
			1000~26500	3.25	-47.07	≤-16.75	PASS
		2441	Reference	4.39	4.39	---	PASS
			30~1000	4.39	-60.31	≤-15.61	PASS
			1000~26500	4.39	-47.65	≤-15.61	PASS
		2480	Reference	4.75	4.75	---	PASS
			30~1000	4.75	-60.59	≤-15.25	PASS
			1000~26500	4.75	-47.29	≤-15.25	PASS

Test Graphs

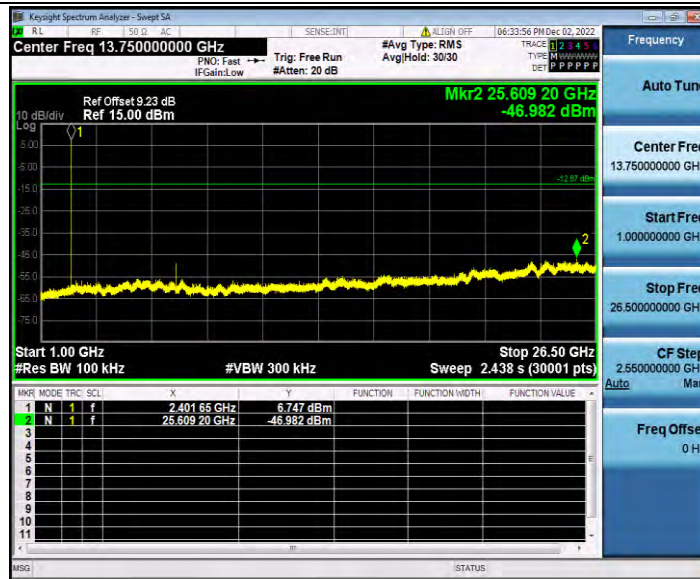
DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



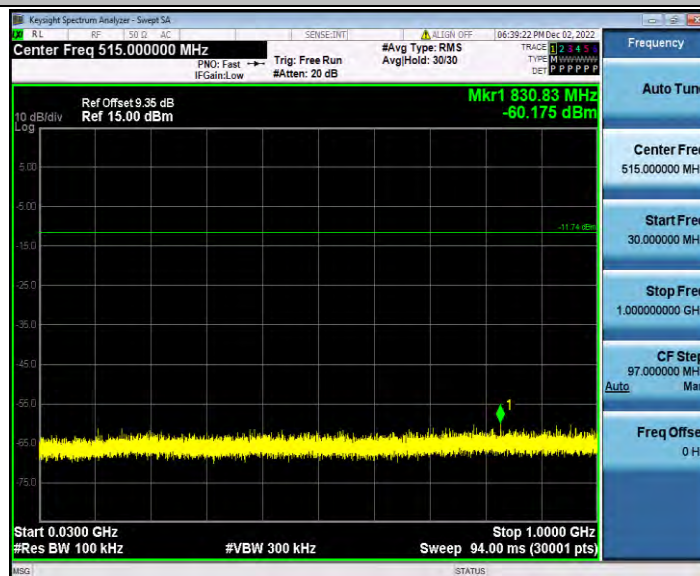
DH1_Ant1_2402_1000~26500



DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



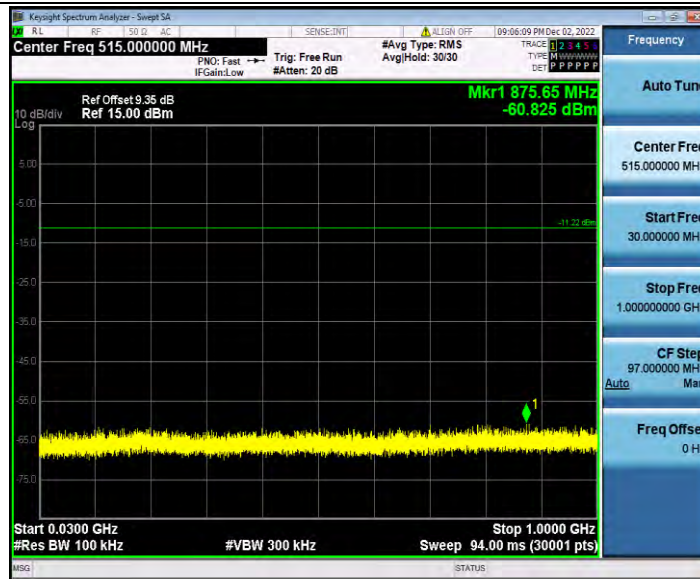
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



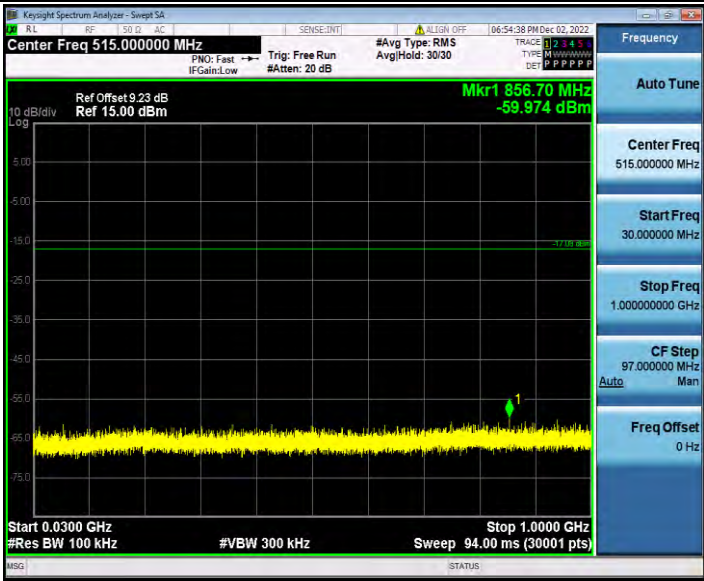
DH1_Ant1_2480_1000~26500



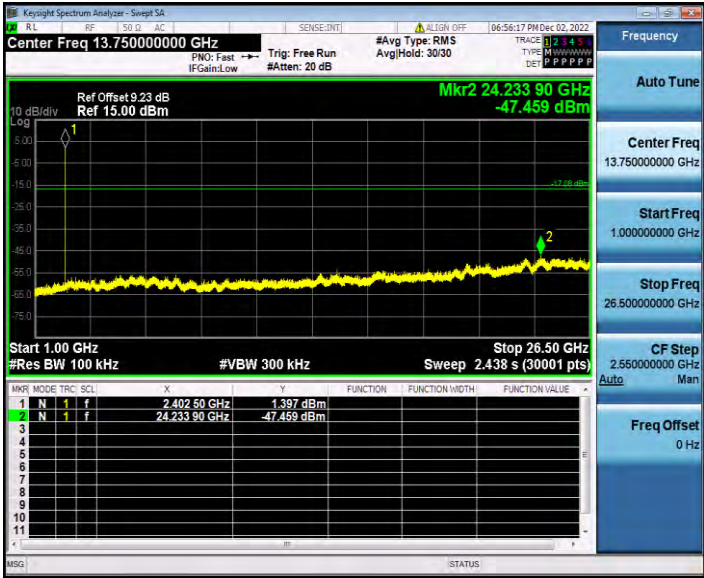
2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



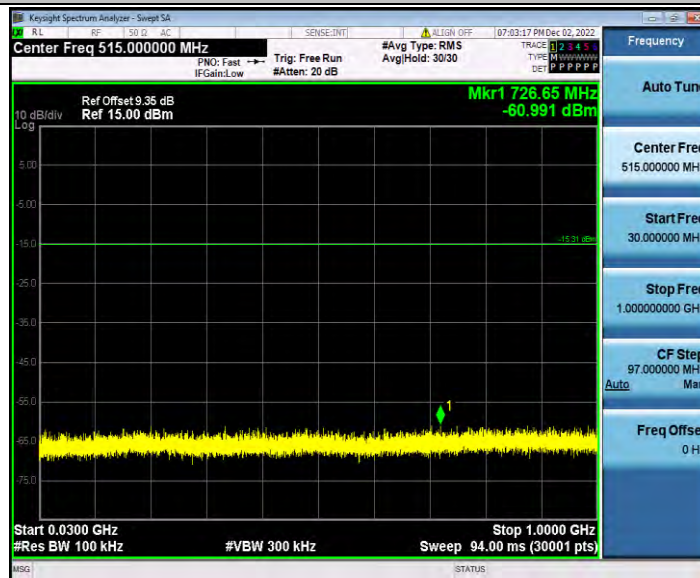
2DH1_Ant1_2441_1000~26500



2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



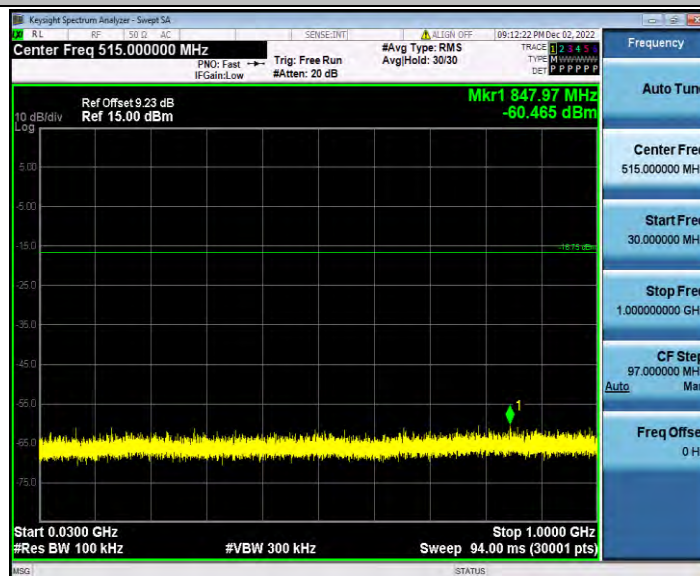
2DH1_Ant1_2480_1000~26500



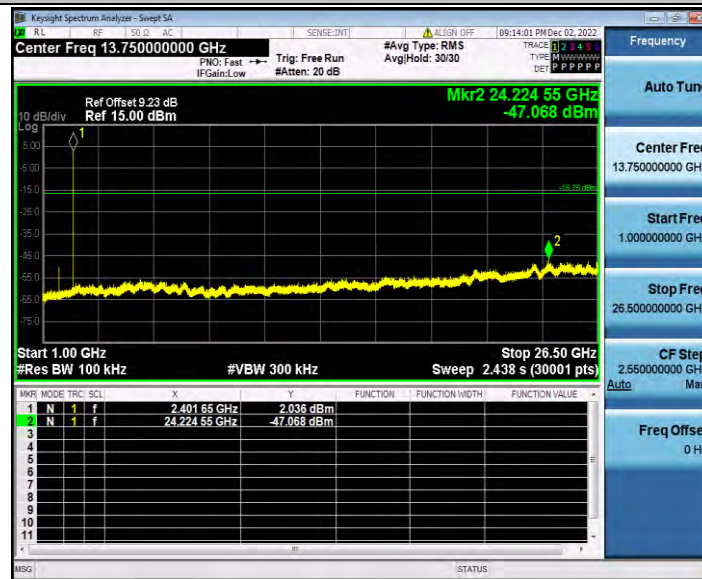
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



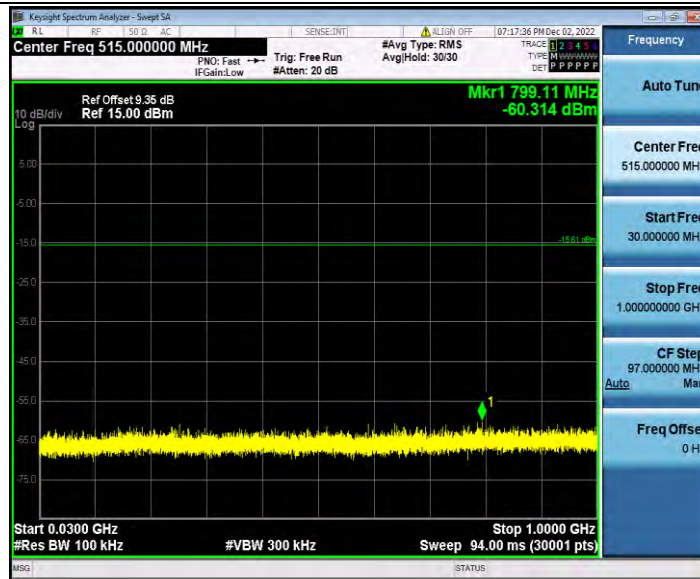
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



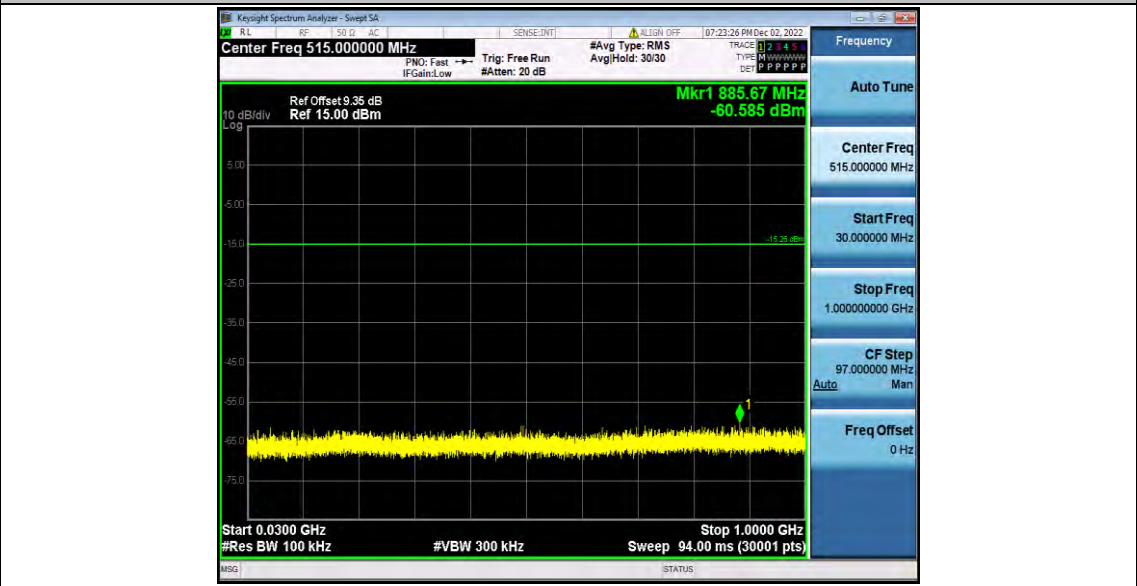
3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500

