

Case No. : GTS20220915002-1-6	
Ambient Condition: 26 °C, 46 %RH,	
Test Date: 2022.10.9	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	0.873	2401.574	2402.447	---	---
		2441	0.936	2440.562	2441.498	---	---
		2480	0.882	2479.565	2480.447	---	---
2DH1	Ant1	2402	1.218	2401.397	2402.615	---	---
		2441	1.239	2440.394	2441.633	---	---
		2480	1.263	2479.382	2480.645	---	---
3DH1	Ant1	2402	1.218	2401.418	2402.636	---	---
		2441	1.224	2440.412	2441.636	---	---
		2480	1.221	2479.412	2480.633	---	---

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	0.81067	2401.607	2402.417	---	---
		2441	0.81636	2440.603	2441.420	---	---
		2480	0.80402	2479.609	2480.413	---	---
2DH1	Ant1	2402	1.1549	2401.435	2402.590	---	---
		2441	1.1579	2440.431	2441.589	---	---
		2480	1.1616	2479.428	2480.589	---	---
3DH1	Ant1	2402	1.1507	2401.449	2402.599	---	---
		2441	1.1504	2440.450	2441.600	---	---
		2480	1.1499	2479.447	2480.597	---	---

Test Graphs

DH1_Ant1_2402



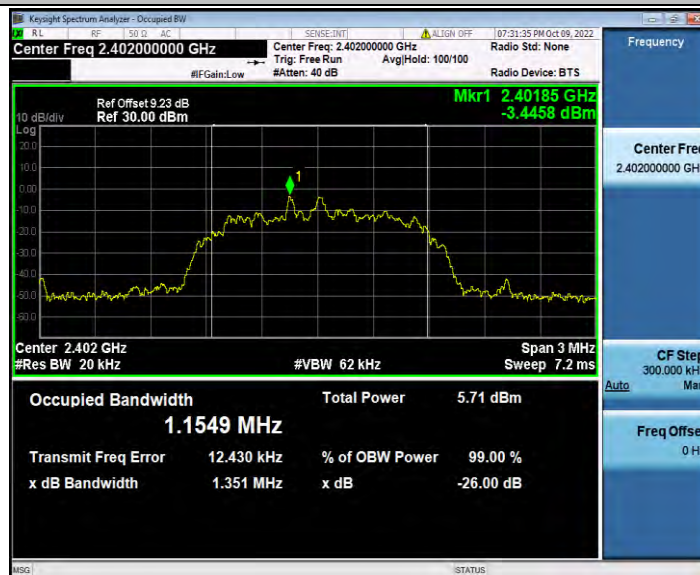
DH1_Ant1_2441



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	-0.09	≤20.97	PASS
		2441	0.57	≤20.97	PASS
		2480	0.12	≤20.97	PASS
2DH1	Ant1	2402	0.71	≤20.97	PASS
		2441	1.19	≤20.97	PASS
		2480	0.86	≤20.97	PASS
3DH1	Ant1	2402	1.28	≤20.97	PASS
		2441	1.82	≤20.97	PASS
		2480	1.44	≤20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.004	≥ 0.624	PASS
		Hop_2441	1.002	≥ 0.624	PASS
		Hop_2480	0.998	≥ 0.624	PASS
2DH1	Ant1	Hop_2402	1.000	≥ 0.842	PASS
		Hop_2441	0.998	≥ 0.842	PASS
		Hop_2480	1.000	≥ 0.842	PASS
3DH1	Ant1	Hop_2402	0.998	≥ 0.816	PASS
		Hop_2441	1.148	≥ 0.816	PASS
		Hop_2480	0.998	≥ 0.816	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



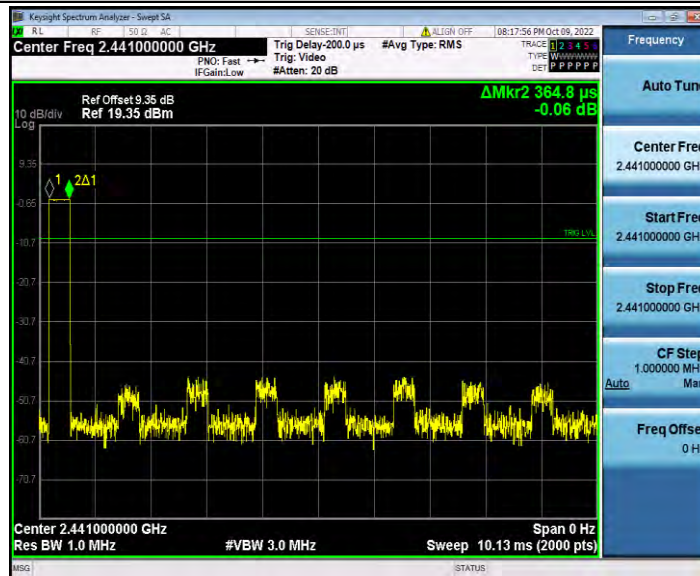
Appendix A.5: Time of occupancy

Test Result

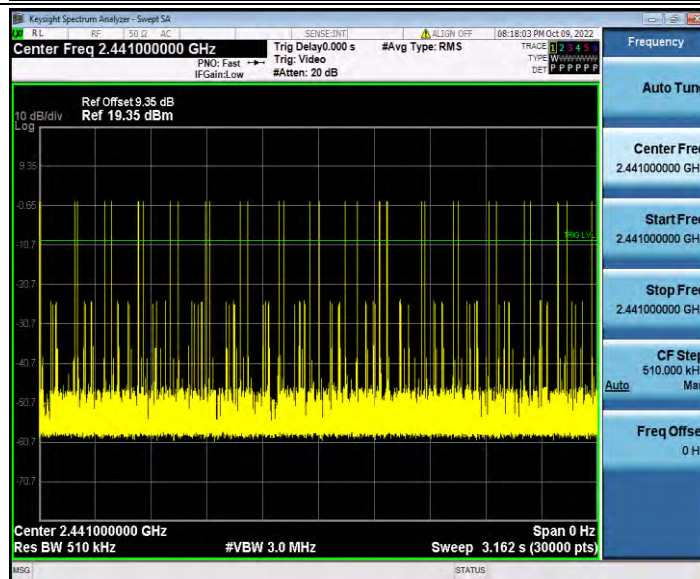
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.36	330	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.62	140	0.227	≤0.4	PASS
DH5	Ant1	Hop	2.87	70	0.201	≤0.4	PASS
2DH1	Ant1	Hop	0.37	330	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.63	180	0.293	≤0.4	PASS
2DH5	Ant1	Hop	2.88	120	0.345	≤0.4	PASS
3DH1	Ant1	Hop	0.37	330	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.61	200	0.322	≤0.4	PASS
3DH5	Ant1	Hop	2.88	120	0.345	≤0.4	PASS

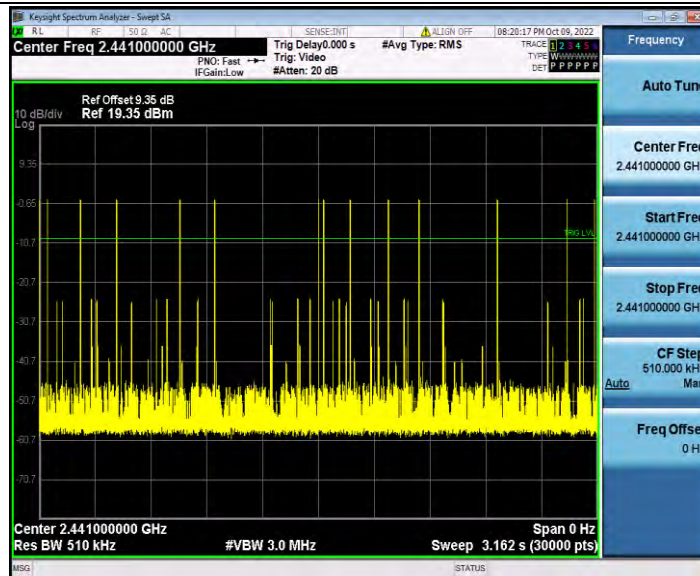
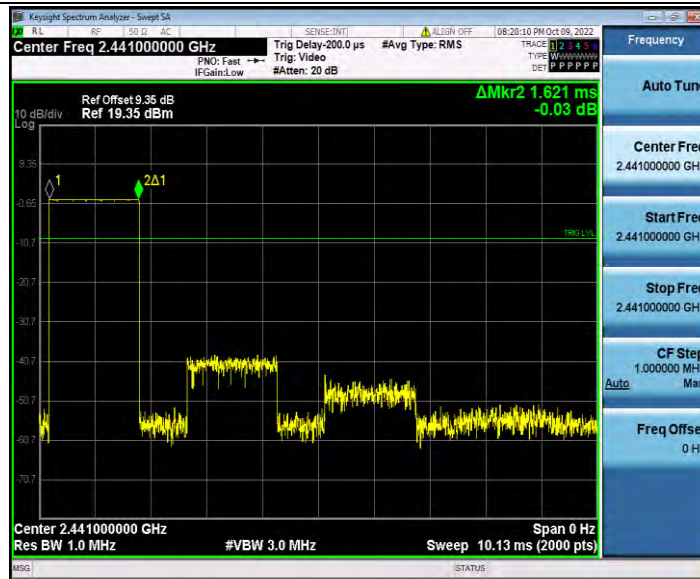
Test Graphs

DH1_Ant1_Hop

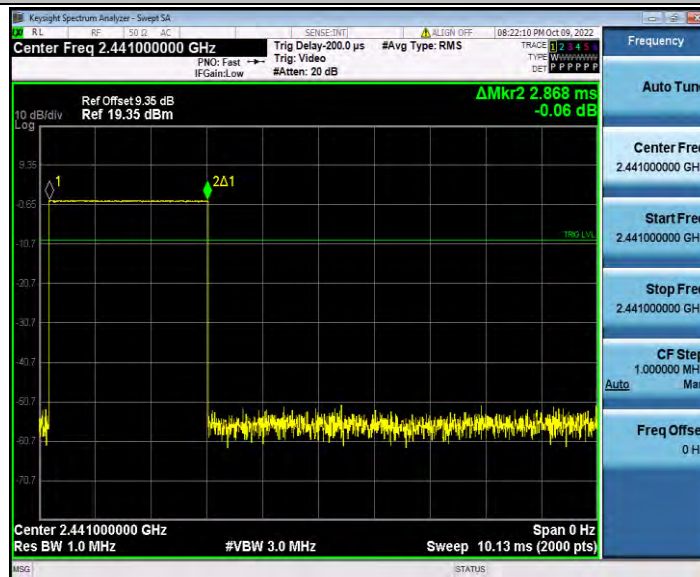


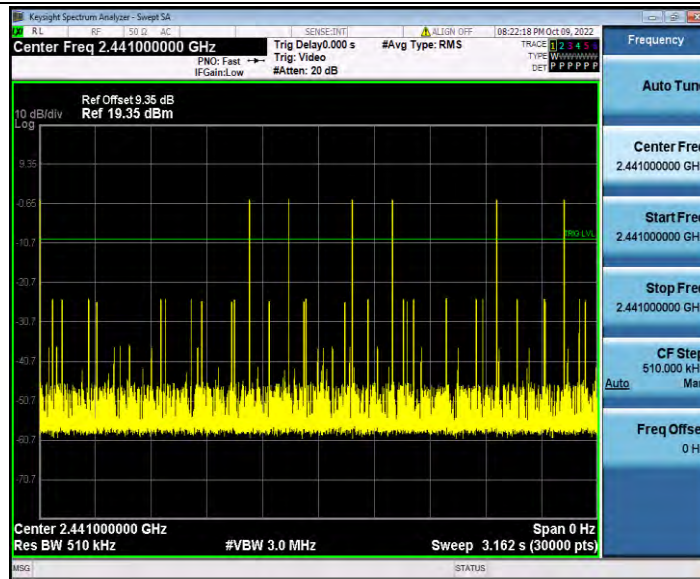
DH3_Ant1_Hop



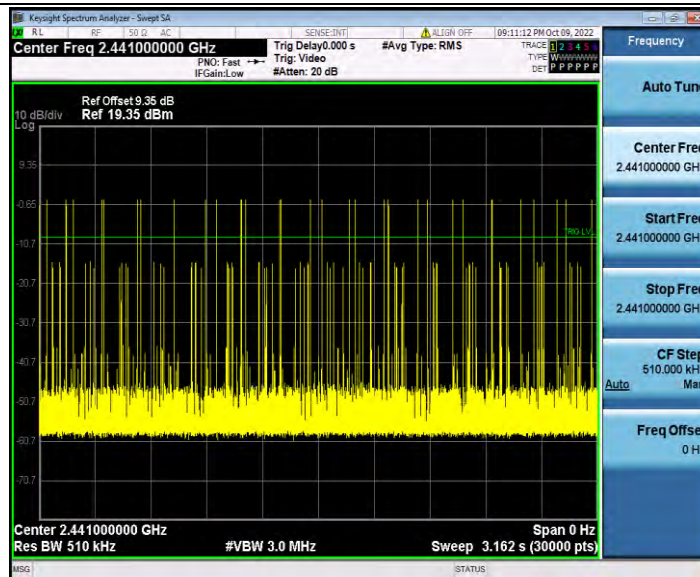
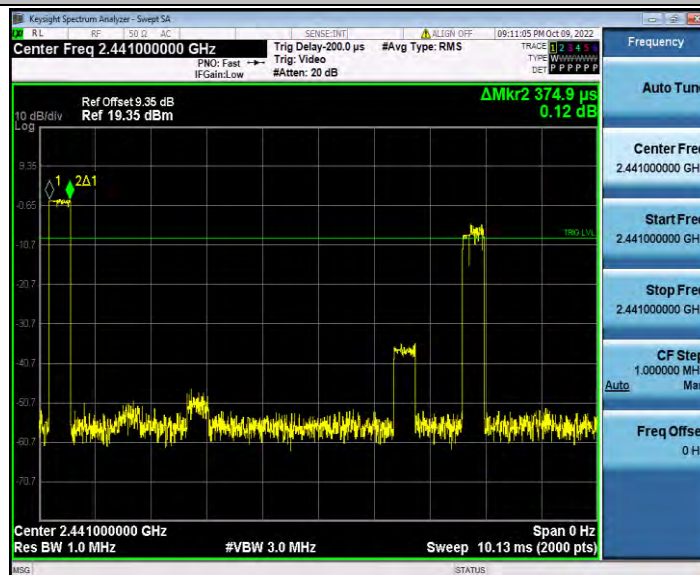


DH5_Ant1_Hop

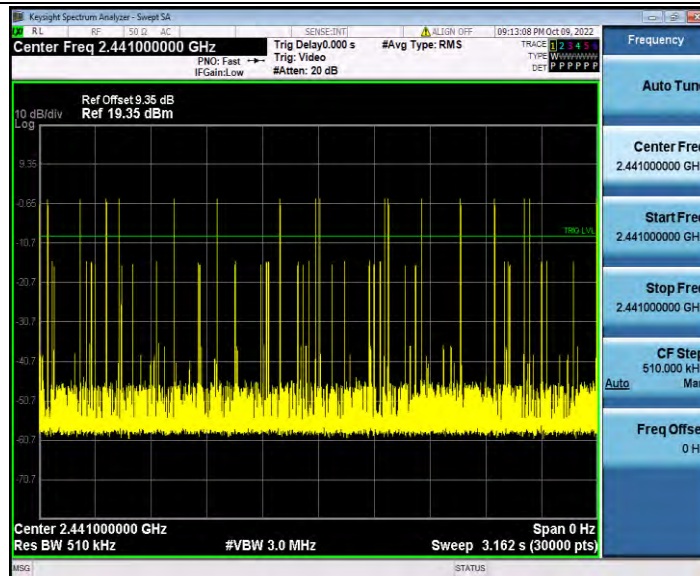
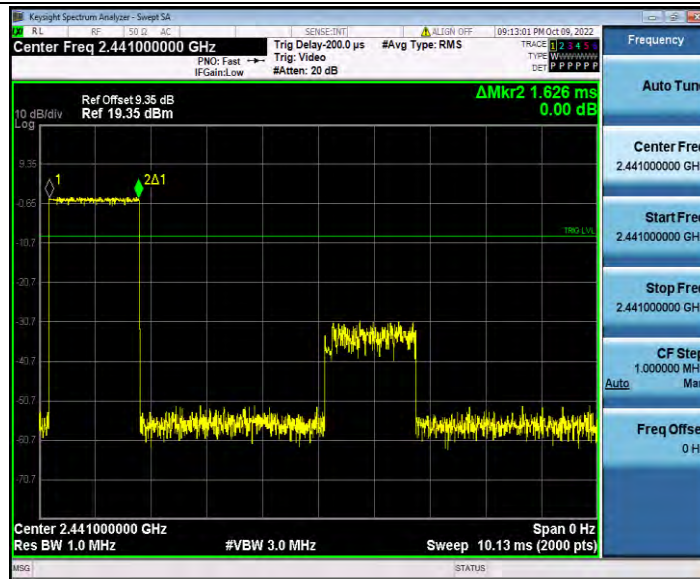




2DH1_Ant1_Hop

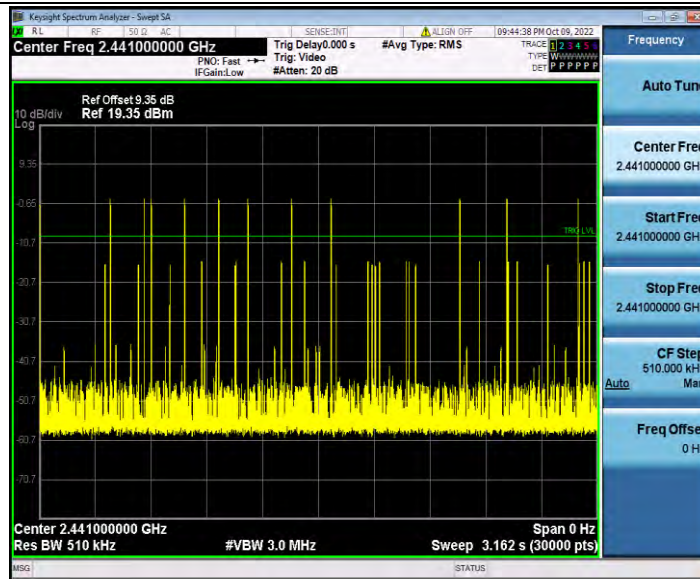


2DH3_Ant1_Hop

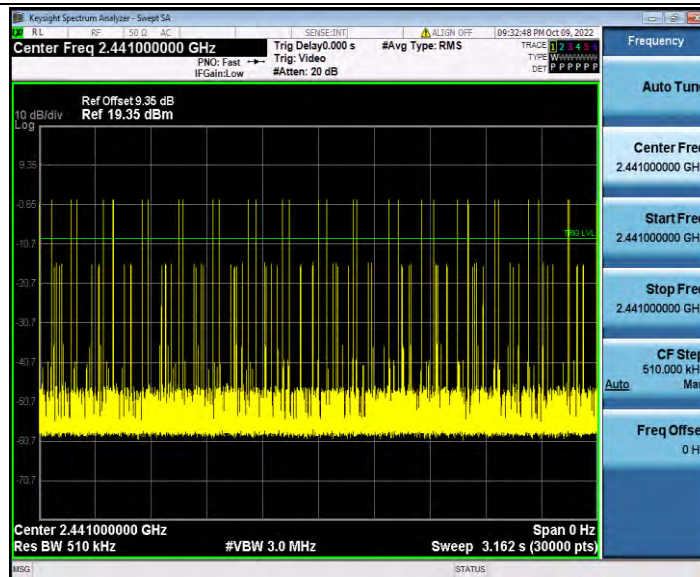
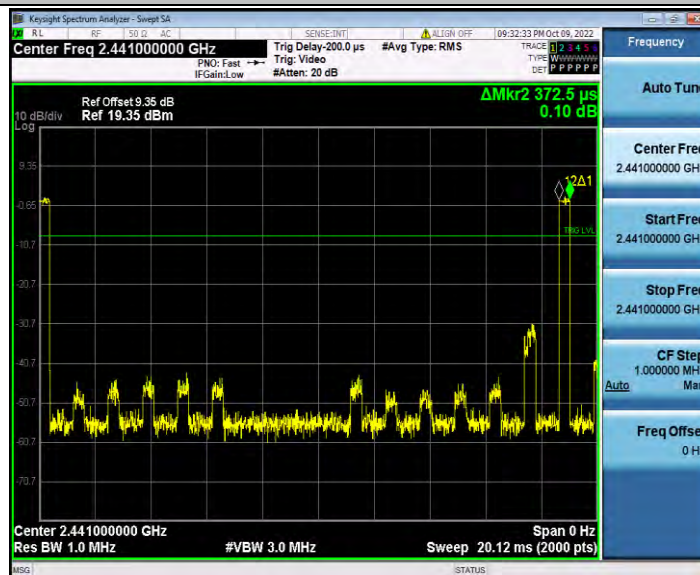


2DH5_Ant1_Hop

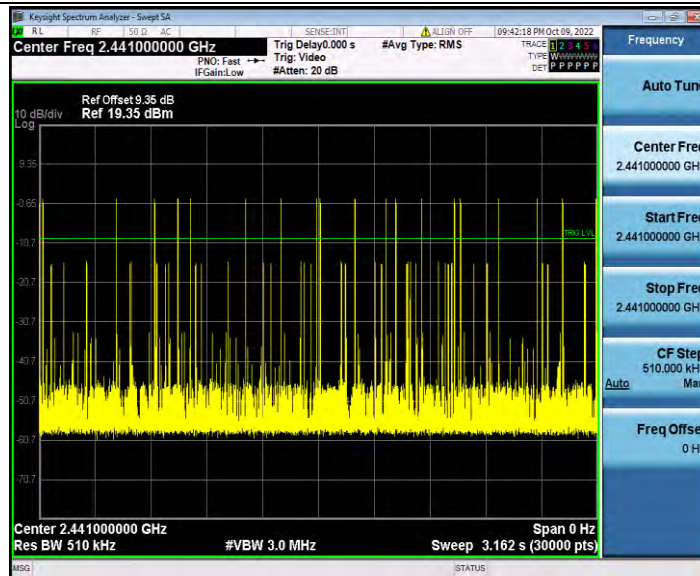
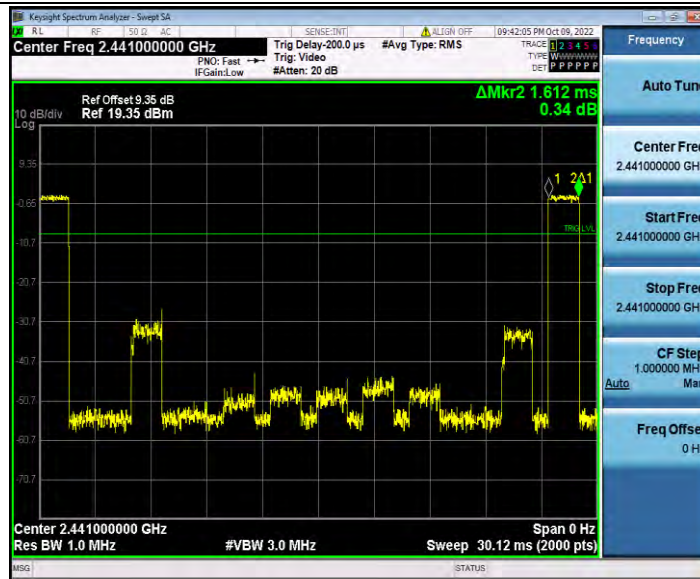




3DH1_Ant1_Hop

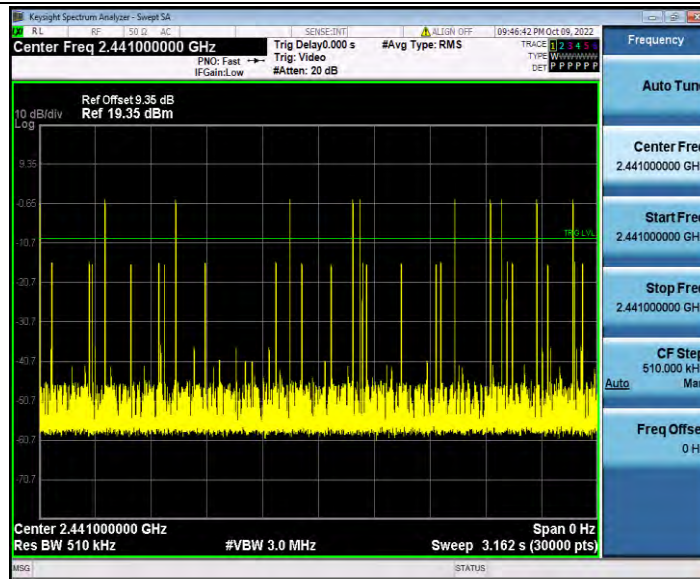


3DH3_Ant1_Hop



3DH5_Ant1_Hop





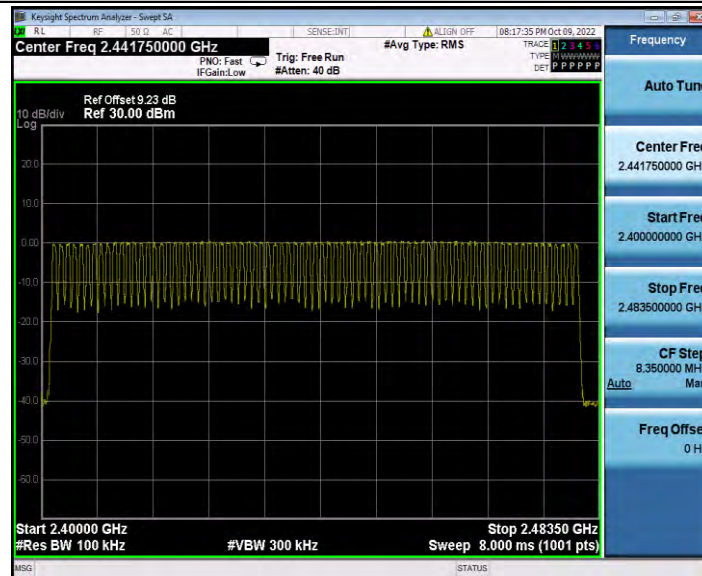
Appendix A.6: Number of hopping channels

Test Result

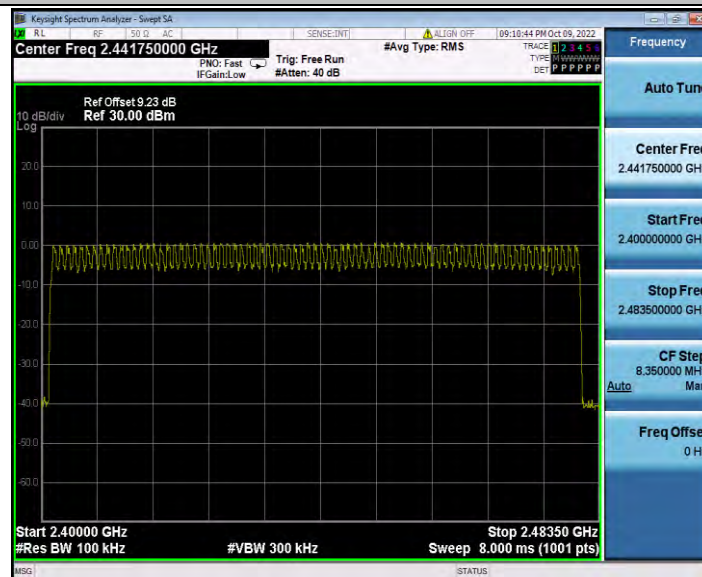
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

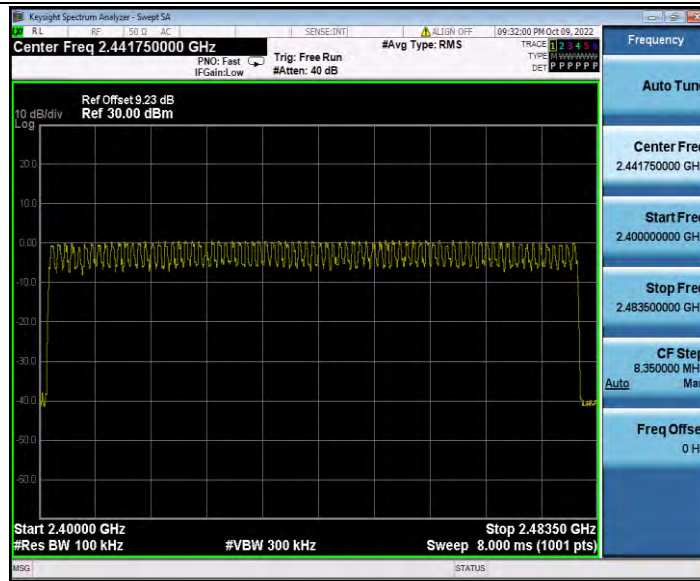
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



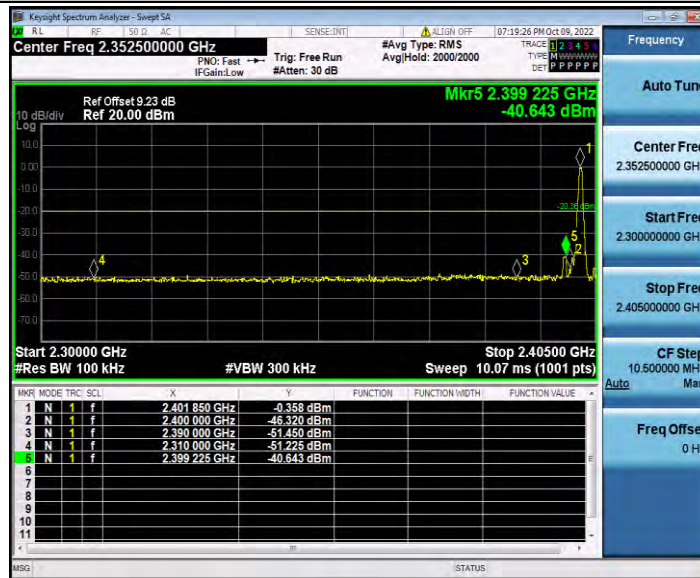
Appendix A.7: Band edge measurements

Test Result

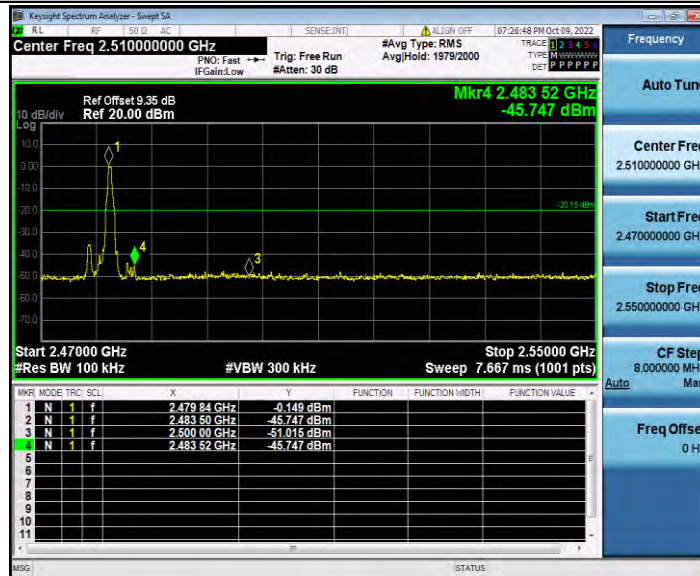
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	-0.36	-40.64	≤-20.36	PASS
		High	2480	-0.15	-45.75	≤-20.15	PASS
		Low	Hop_2402	-1.00	-49.07	≤-21	PASS
		High	Hop_2480	-0.26	-48.34	≤-20.26	PASS
2DH1	Ant1	Low	2402	-0.41	-41.02	≤-20.41	PASS
		High	2480	-0.15	-46.81	≤-20.15	PASS
		Low	Hop_2402	-0.31	-49.18	≤-20.31	PASS
		High	Hop_2480	-0.08	-46.79	≤-20.08	PASS
3DH1	Ant1	Low	2402	-0.37	-40.86	≤-20.37	PASS
		High	2480	-0.20	-46.62	≤-20.2	PASS
		Low	Hop_2402	-0.21	-48.98	≤-20.21	PASS
		High	Hop_2480	0.18	-48.8	≤-19.82	PASS

Test Graphs

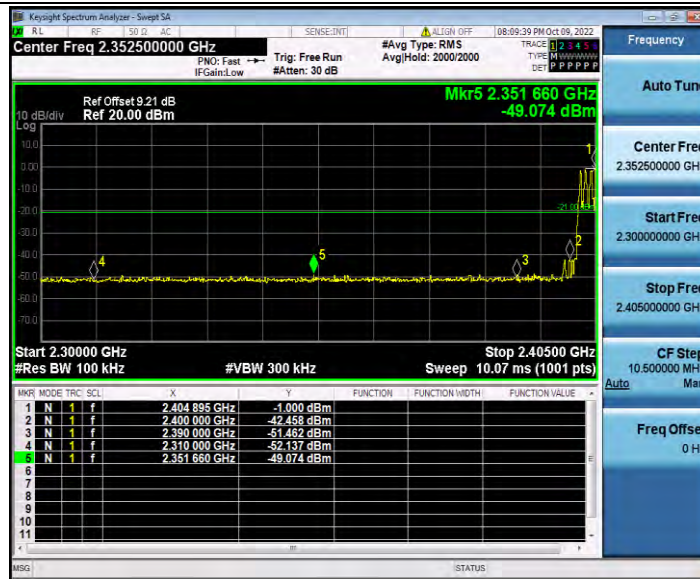
DH1_Ant1_Low_2402



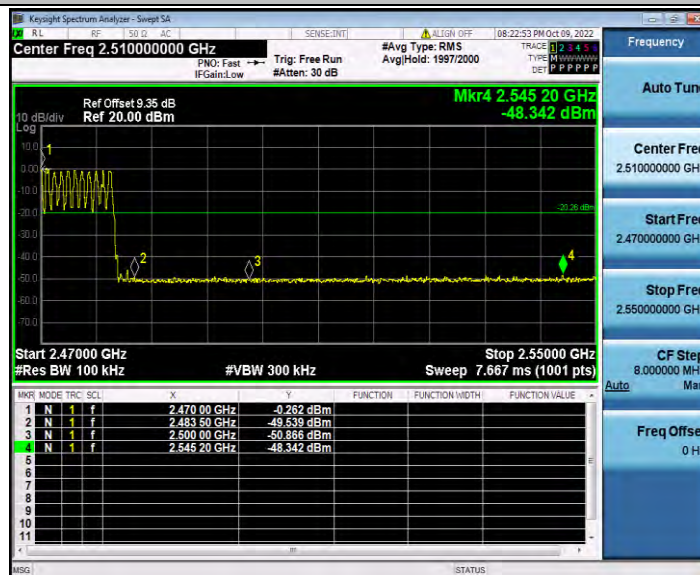
DH1_Ant1_High_2480



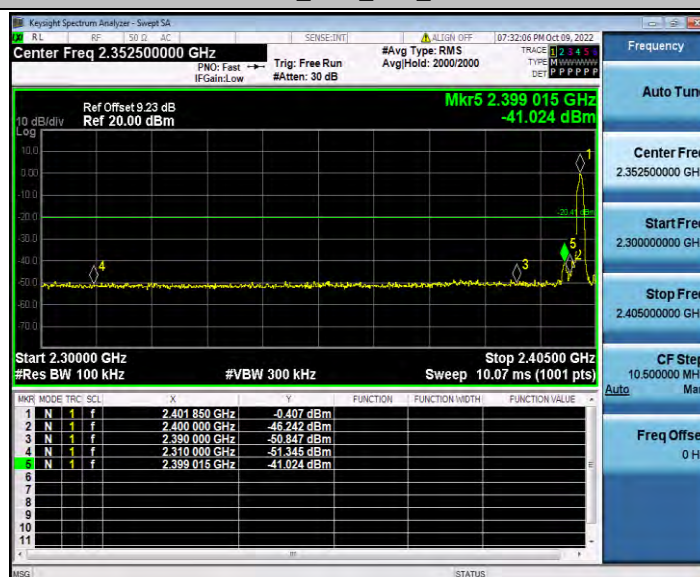
DH1_Ant1_Low_Hop_2402



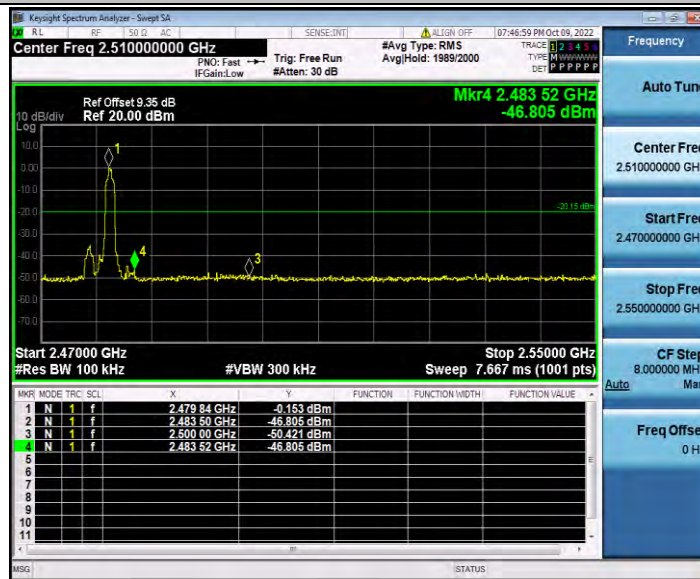
DH1_Ant1_High_Hop_2480



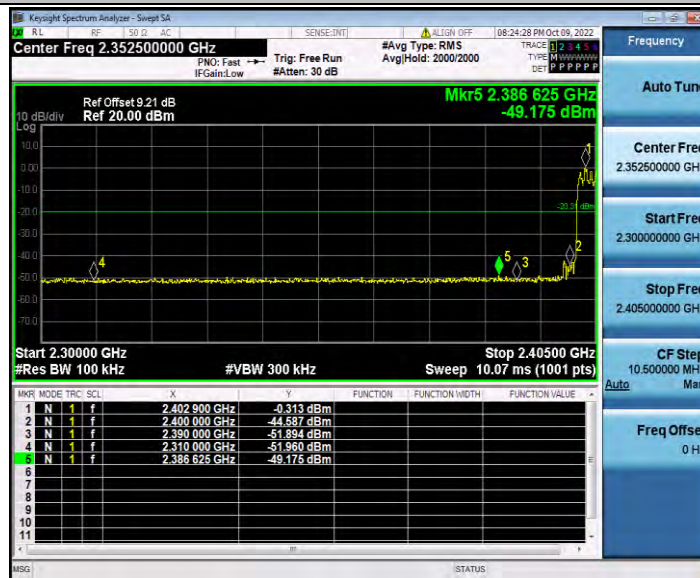
2DH1_Ant1_Low_2402



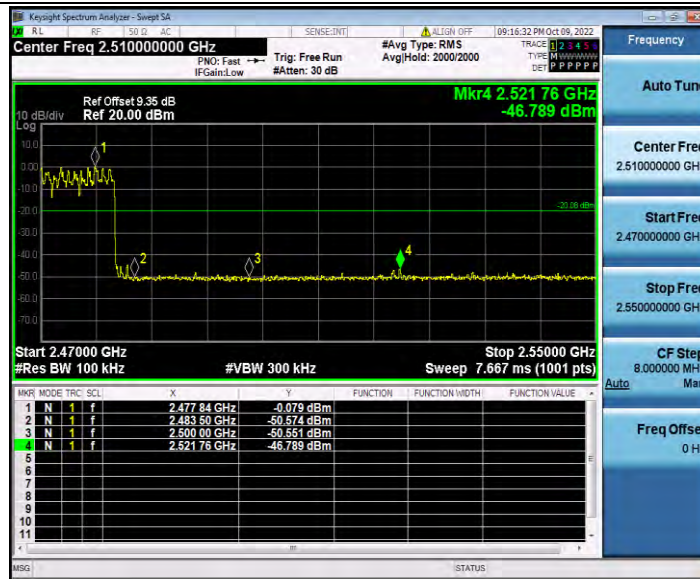
2DH1_Ant1_High_2480



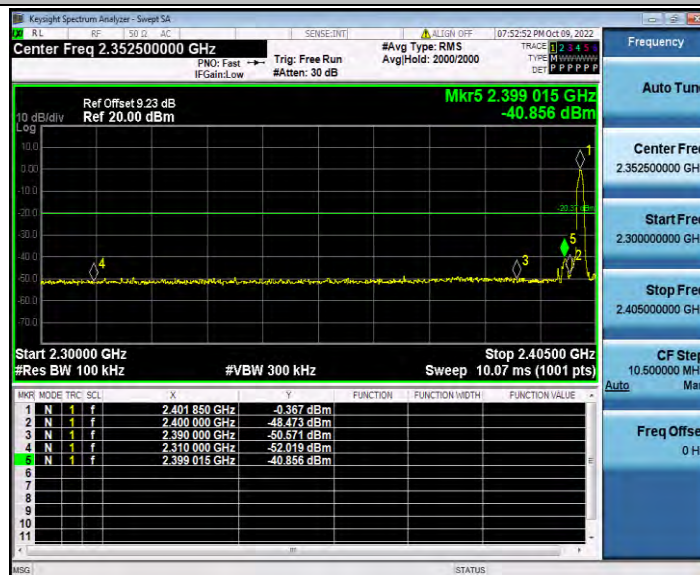
2DH1_Ant1_Low_Hop_2402



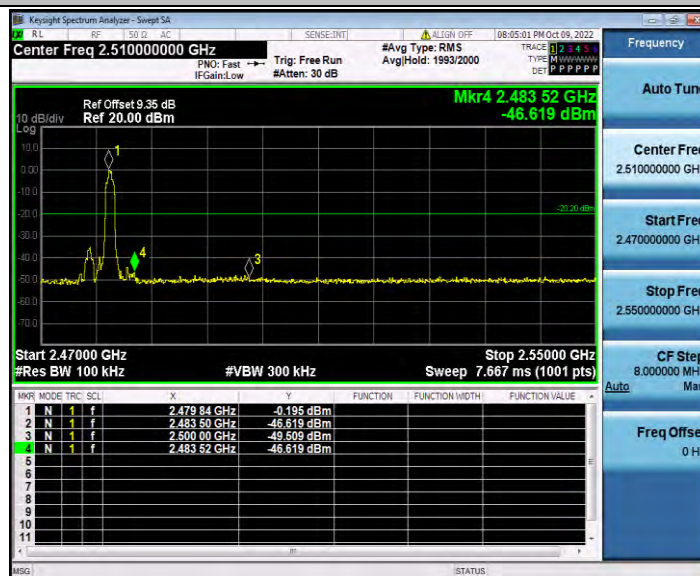
2DH1_Ant1_High_Hop_2480



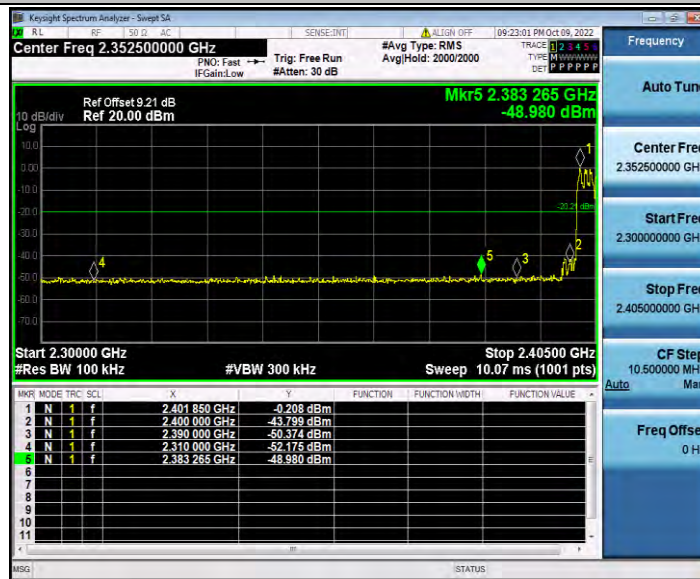
3DH1_Ant1_Low_2402



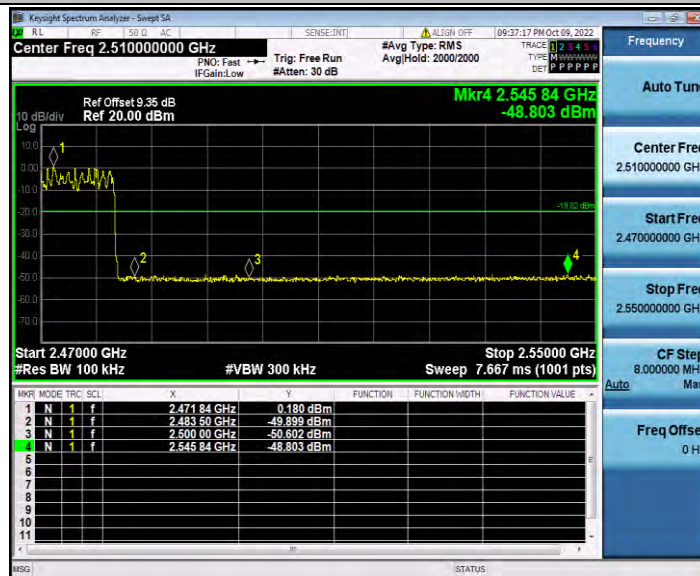
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.8: Conducted Spurious Emission

Test Result

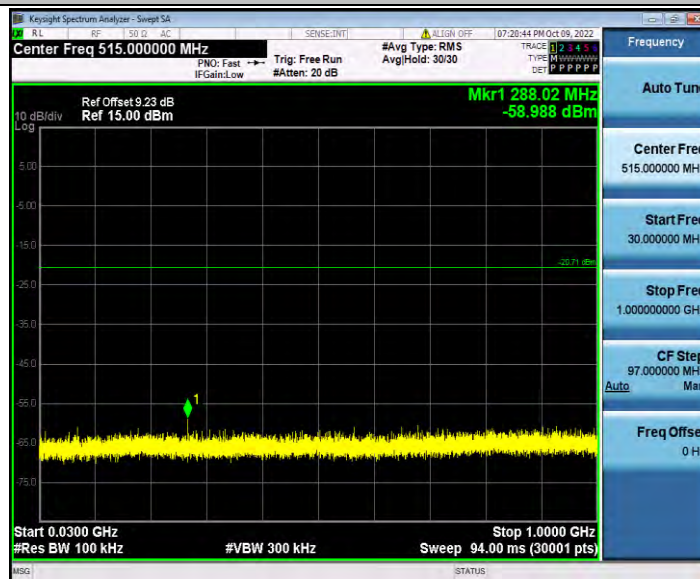
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	-0.71	-0.71	---	PASS
			30~1000	-0.71	-58.99	≤ -20.71	PASS
			1000~26500	-0.71	-47.9	≤ -20.71	PASS
		2441	Reference	-0.15	-0.15	---	PASS
			30~1000	-0.15	-59.49	≤ -20.15	PASS
			1000~26500	-0.15	-47.45	≤ -20.15	PASS
		2480	Reference	-0.23	-0.23	---	PASS
			30~1000	-0.23	-57.92	≤ -20.23	PASS
			1000~26500	-0.23	-43.81	≤ -20.23	PASS
2DH1	Ant1	2402	Reference	-0.45	-0.45	---	PASS
			30~1000	-0.45	-59.7	≤ -20.45	PASS
			1000~26500	-0.45	-47.86	≤ -20.45	PASS
		2441	Reference	0.19	0.19	---	PASS
			30~1000	0.19	-59.02	≤ -19.81	PASS
			1000~26500	0.19	-47.17	≤ -19.81	PASS
		2480	Reference	-0.21	-0.21	---	PASS
			30~1000	-0.21	-59.62	≤ -20.21	PASS
			1000~26500	-0.21	-47.76	≤ -20.21	PASS
3DH1	Ant1	2402	Reference	-0.67	-0.67	---	PASS
			30~1000	-0.67	-59.31	≤ -20.67	PASS
			1000~26500	-0.67	-47.3	≤ -20.67	PASS
		2441	Reference	-0.23	-0.23	---	PASS
			30~1000	-0.23	-56.8	≤ -20.23	PASS
			1000~26500	-0.23	-47.84	≤ -20.23	PASS
		2480	Reference	-0.59	-0.59	---	PASS
			30~1000	-0.59	-58.62	≤ -20.59	PASS
			1000~26500	-0.59	-47.57	≤ -20.59	PASS

Test Graphs

DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



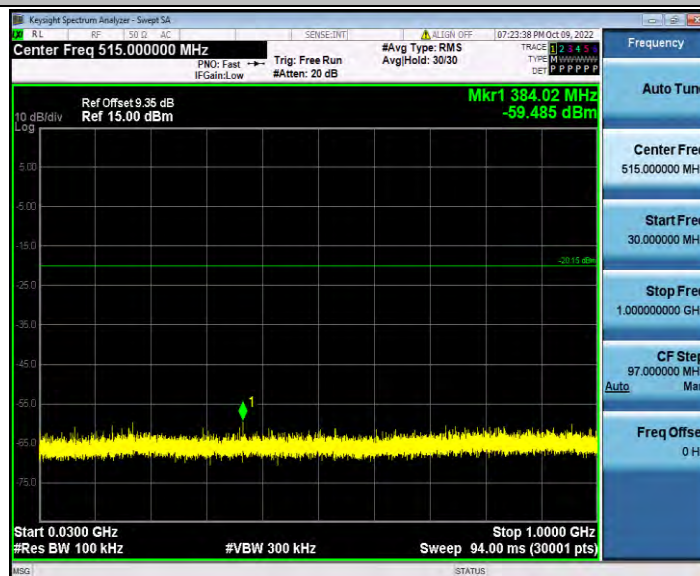
DH1_Ant1_2402_1000~26500



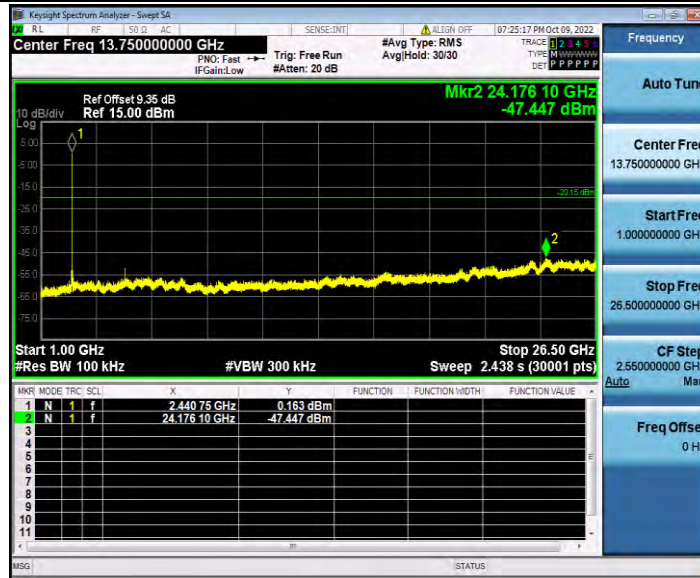
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



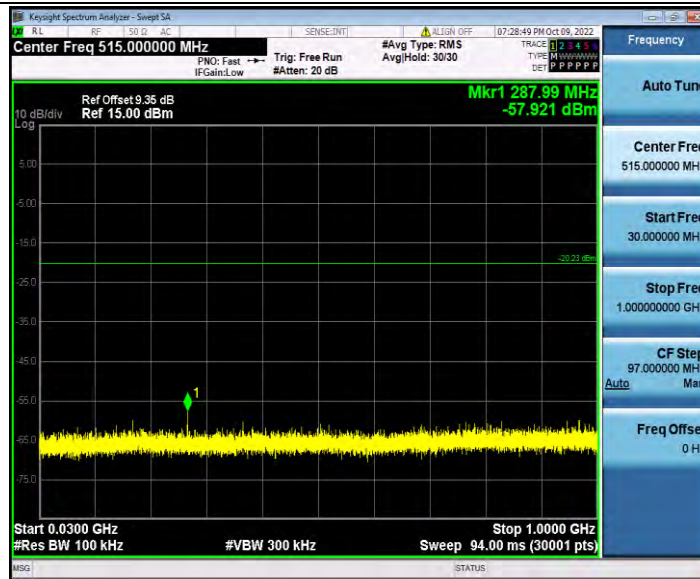
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



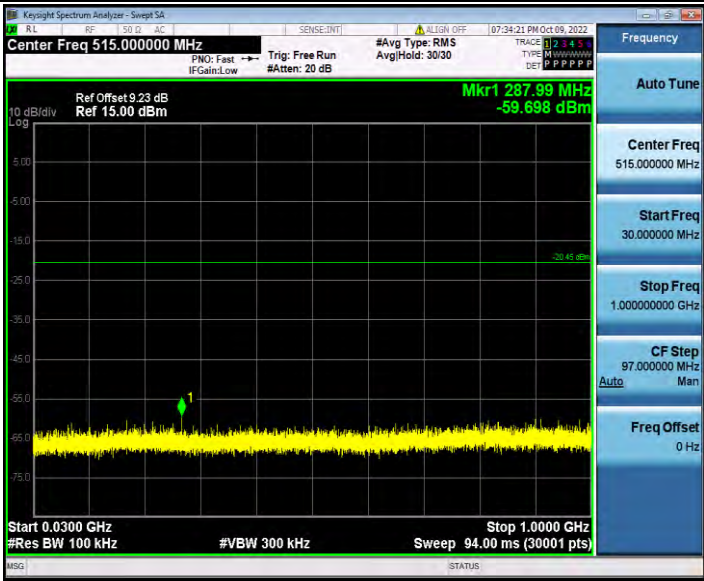
DH1_Ant1_2480_1000~26500



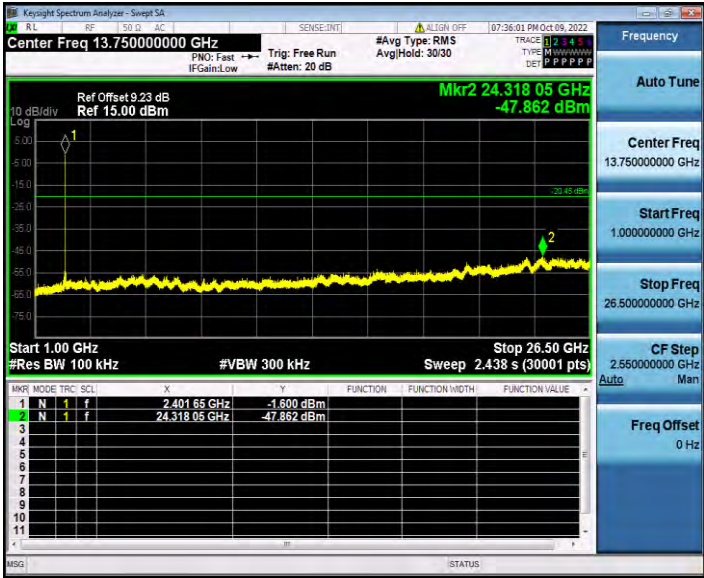
2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



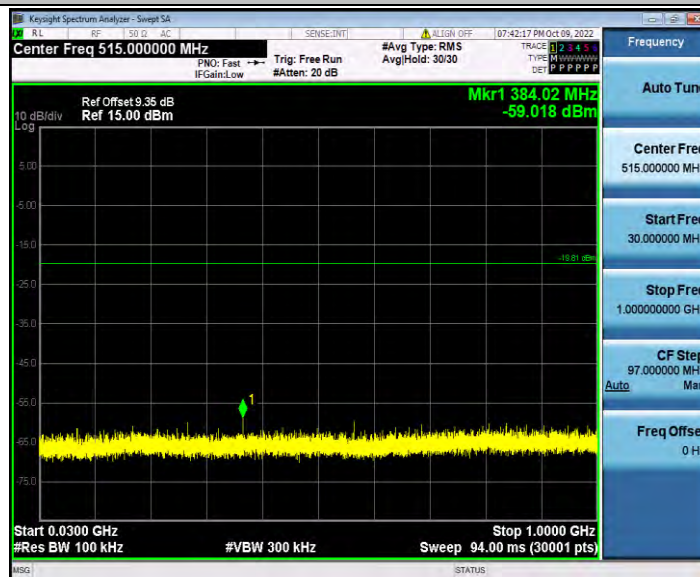
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



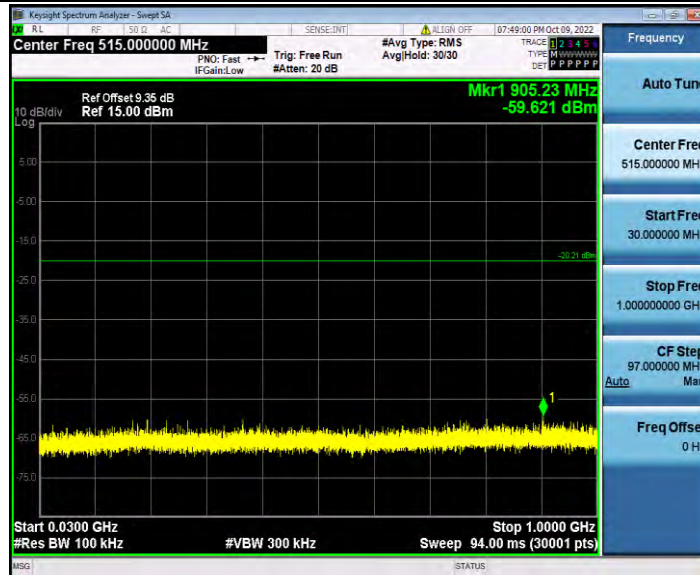
2DH1_Ant1_2441_1000~26500



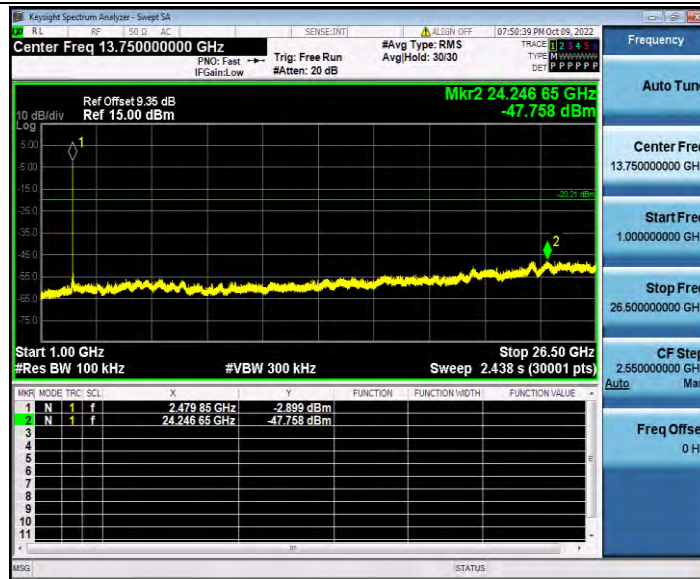
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



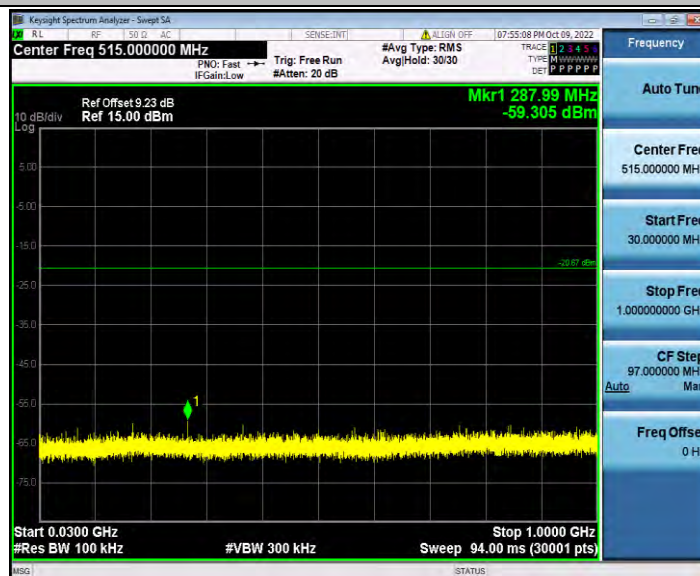
2DH1_Ant1_2480_1000~26500



3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



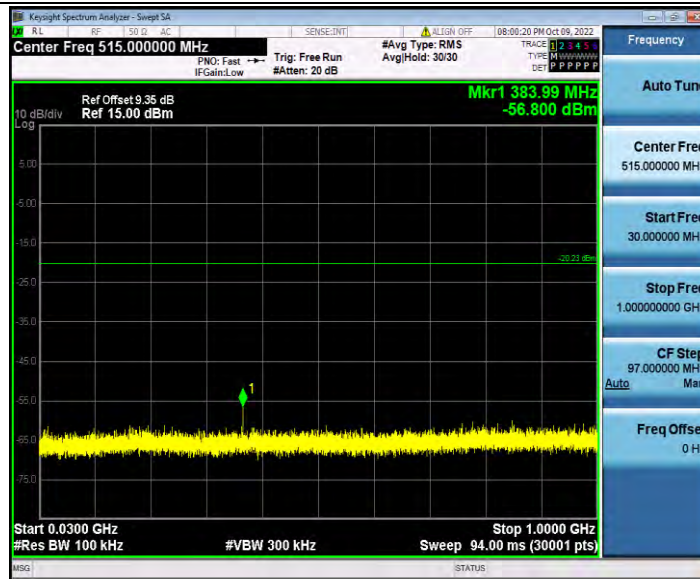
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



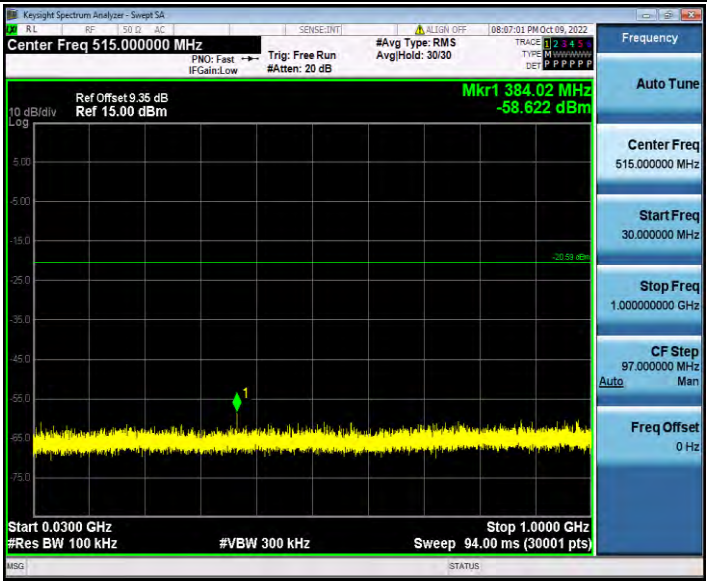
3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500

