

Case No. : GTS20221114014-1-1	
Ambient Condition: 24 °C, 50 %RH,	
Test Date: 2022.11.24	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	0.990	2401.517	2402.507	---	---
		2441	0.999	2440.517	2441.516	---	---
		2480	1.002	2479.514	2480.516	---	---
2DH1	Ant1	2402	1.269	2401.388	2402.657	---	---
		2441	1.278	2440.400	2441.678	---	---
		2480	1.302	2479.385	2480.687	---	---
3DH1	Ant1	2402	1.197	2401.451	2402.648	---	---
		2441	1.230	2440.424	2441.654	---	---
		2480	1.248	2479.403	2480.651	---	---

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



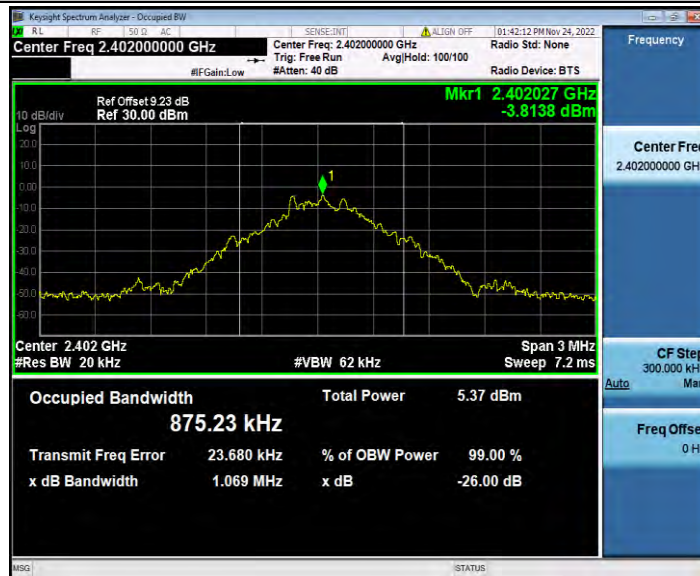
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.87523	2401.586	2402.461	---	---
		2441	0.88342	2440.580	2441.463	---	---
		2480	0.90634	2479.560	2480.466	---	---
2DH1	Ant1	2402	1.1611	2401.439	2402.600	---	---
		2441	1.1632	2440.447	2441.610	---	---
		2480	1.1725	2479.441	2480.613	---	---
3DH1	Ant1	2402	1.1604	2401.461	2402.621	---	---
		2441	1.1604	2440.463	2441.623	---	---
		2480	1.1627	2479.457	2480.620	---	---

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	-0.52	≤20.97	PASS
		2441	1.02	≤20.97	PASS
		2480	0.80	≤20.97	PASS
2DH1	Ant1	2402	-0.05	≤20.97	PASS
		2441	1.73	≤20.97	PASS
		2480	1.45	≤20.97	PASS
3DH1	Ant1	2402	0.39	≤20.97	PASS
		2441	2.11	≤20.97	PASS
		2480	1.67	≤20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.152	≥ 0.668	PASS
		Hop_2441	1.000	≥ 0.668	PASS
		Hop_2480	0.996	≥ 0.668	PASS
2DH1	Ant1	Hop_2402	1.148	≥ 0.868	PASS
		Hop_2441	1.006	≥ 0.868	PASS
		Hop_2480	0.934	≥ 0.868	PASS
3DH1	Ant1	Hop_2402	0.850	≥ 0.832	PASS
		Hop_2441	1.008	≥ 0.832	PASS
		Hop_2480	1.014	≥ 0.832	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



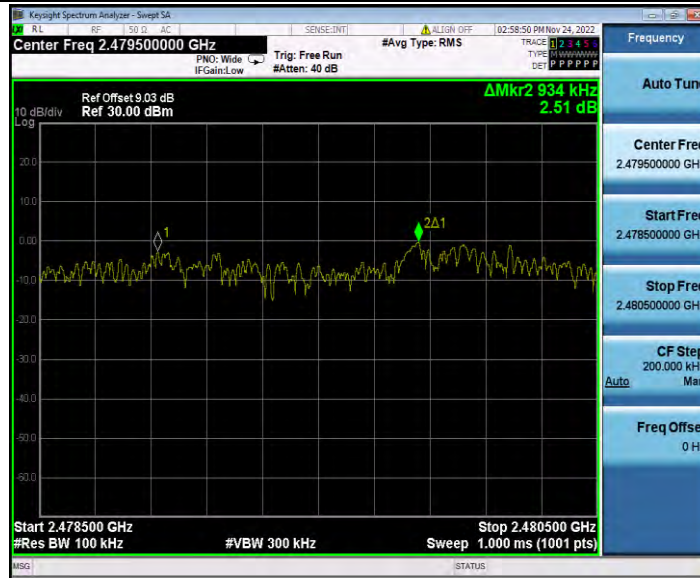
2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441



2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441



3DH1_Ant1_Hop_2480



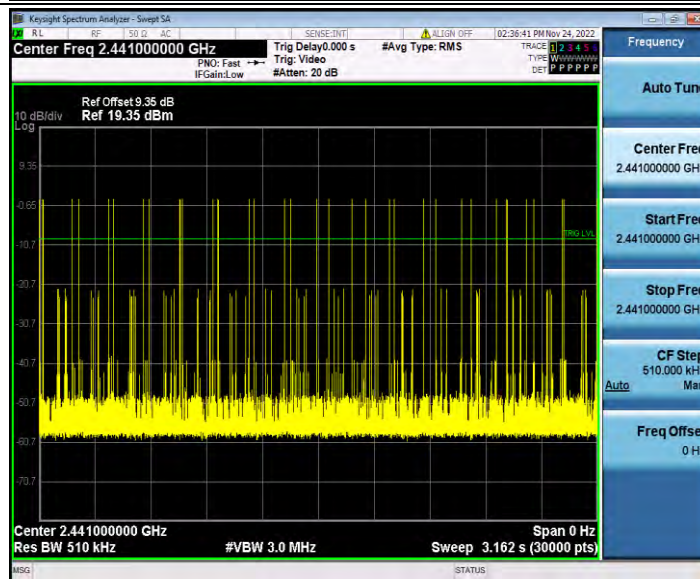
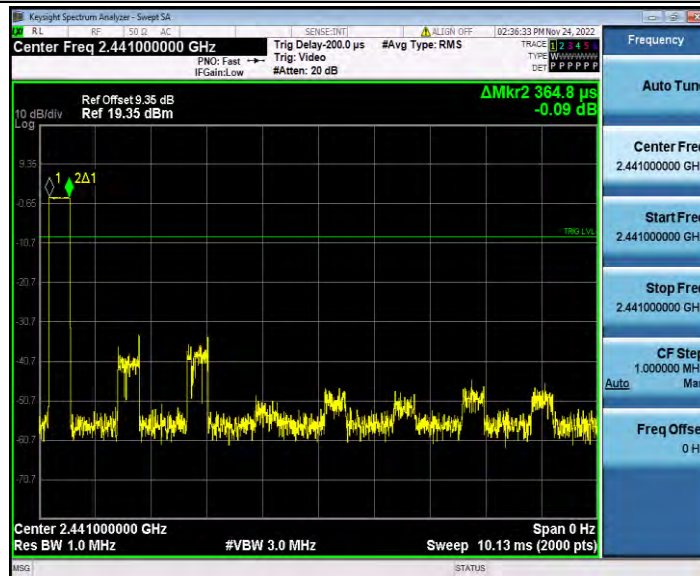
Appendix A.5: Time of occupancy

Test Result

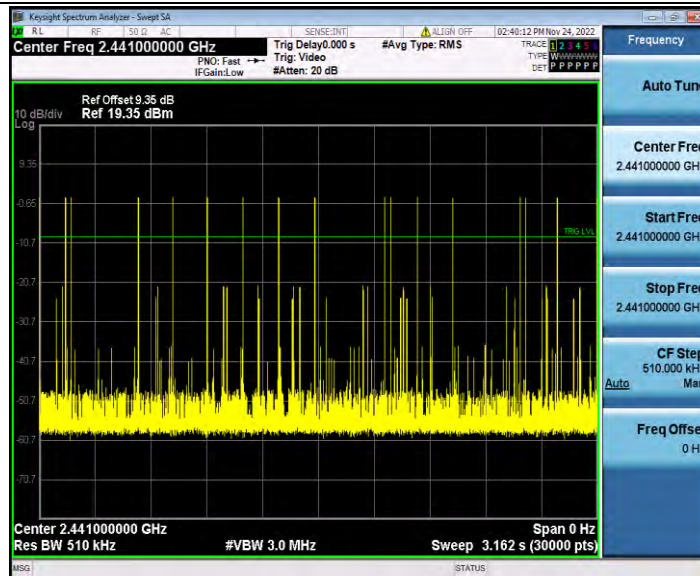
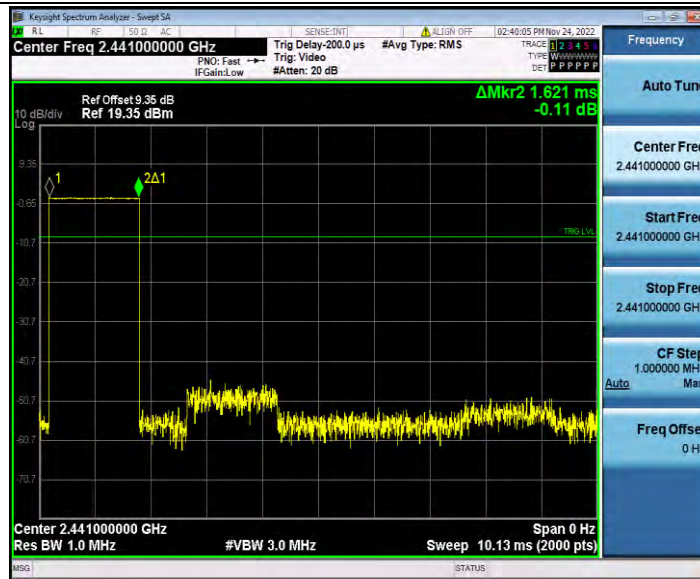
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.36	330	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.62	170	0.276	≤0.4	PASS
DH5	Ant1	Hop	2.87	120	0.344	≤0.4	PASS
2DH1	Ant1	Hop	0.37	330	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.63	180	0.294	≤0.4	PASS
2DH5	Ant1	Hop	2.87	80	0.23	≤0.4	PASS
3DH1	Ant1	Hop	0.36	330	0.119	≤0.4	PASS
3DH3	Ant1	Hop	1.60	180	0.289	≤0.4	PASS
3DH5	Ant1	Hop	2.86	110	0.314	≤0.4	PASS

Test Graphs

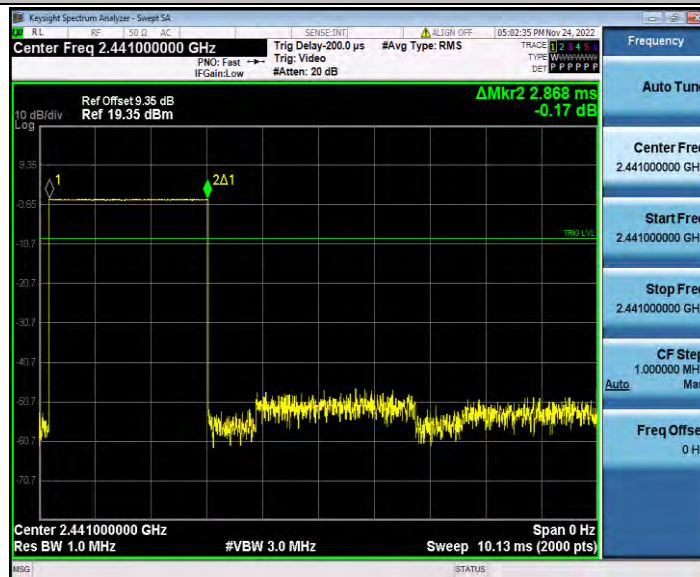
DH1_Ant1_Hop

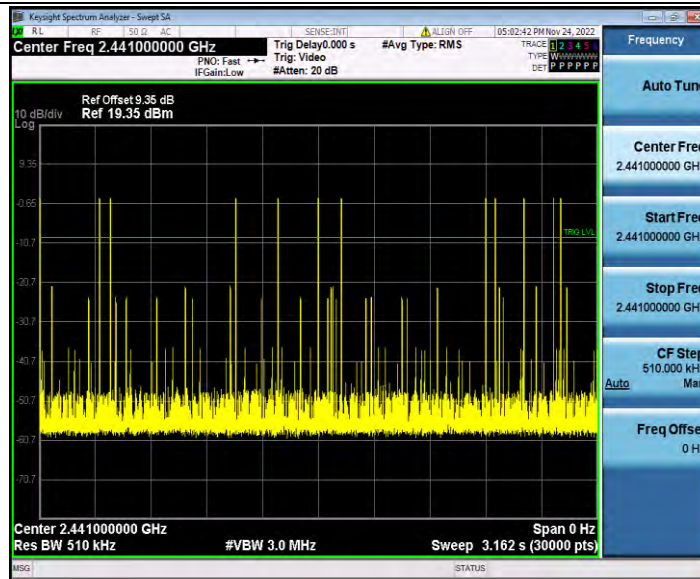


DH3_Ant1_Hop

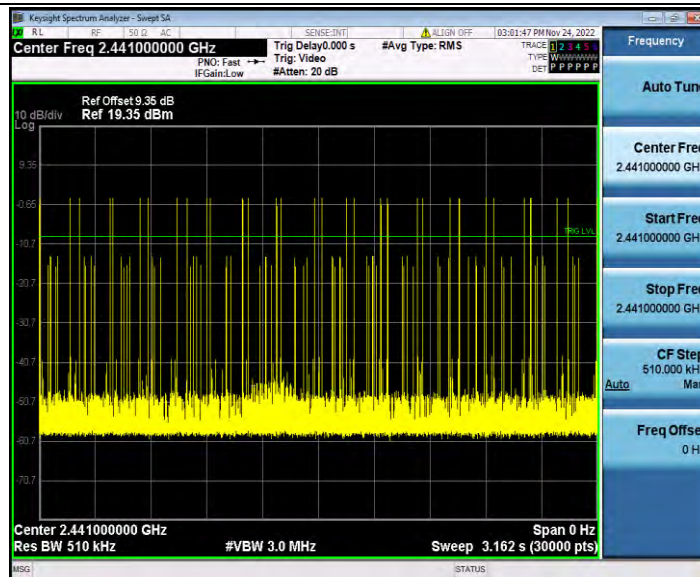
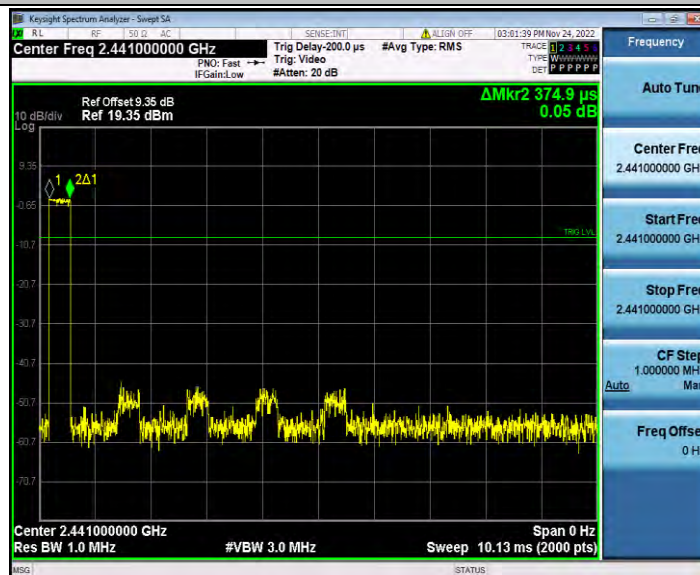


DH5_Ant1_Hop

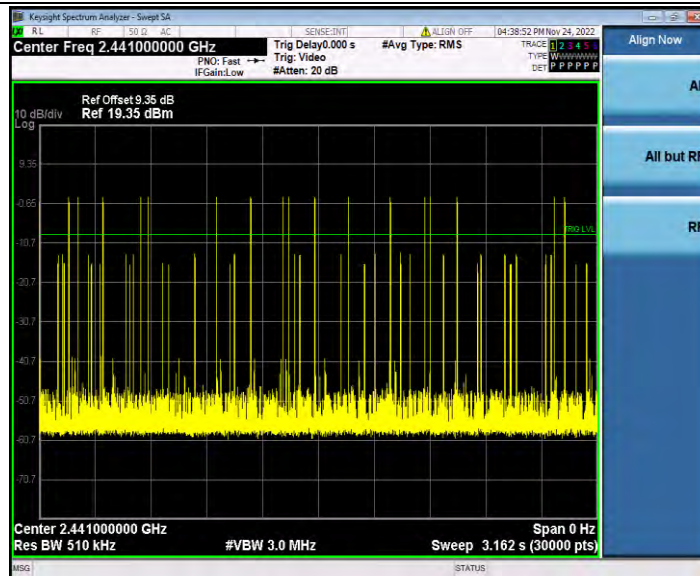
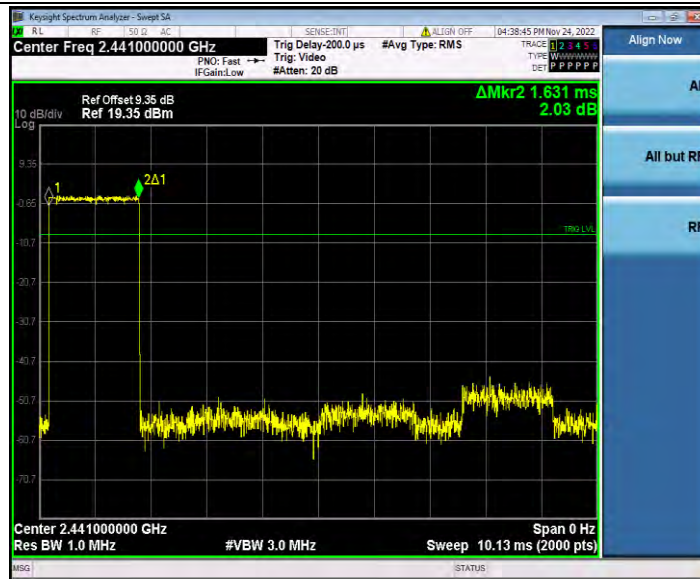




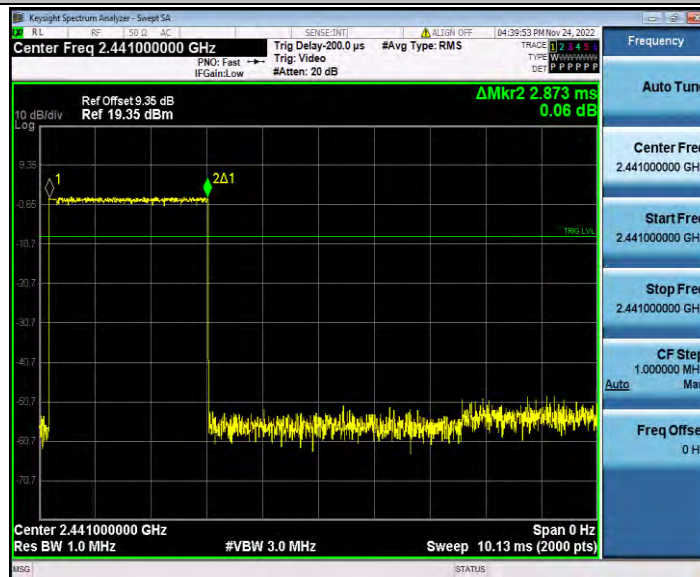
2DH1_Ant1_Hop

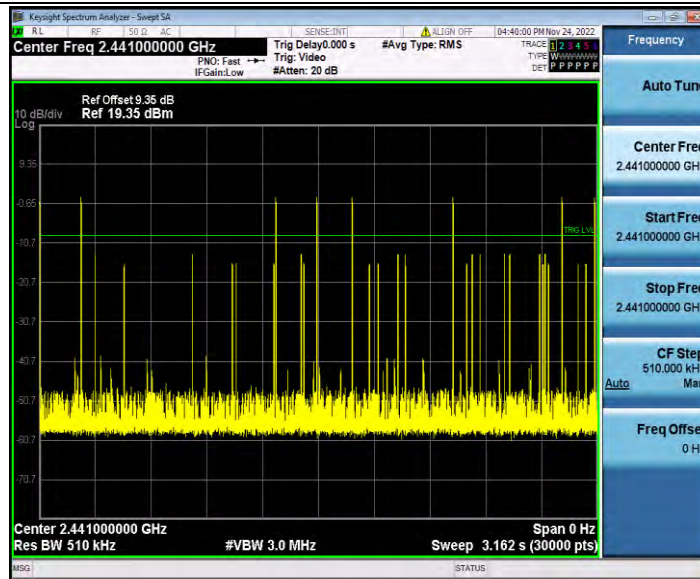


2DH3_Ant1_Hop

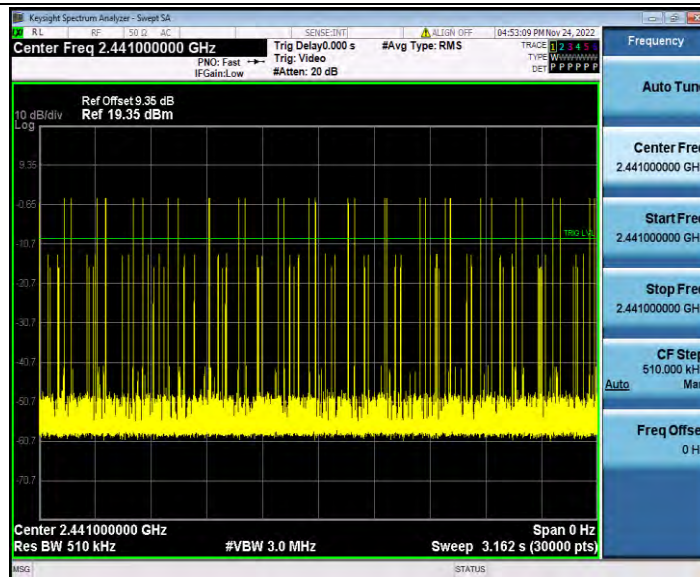
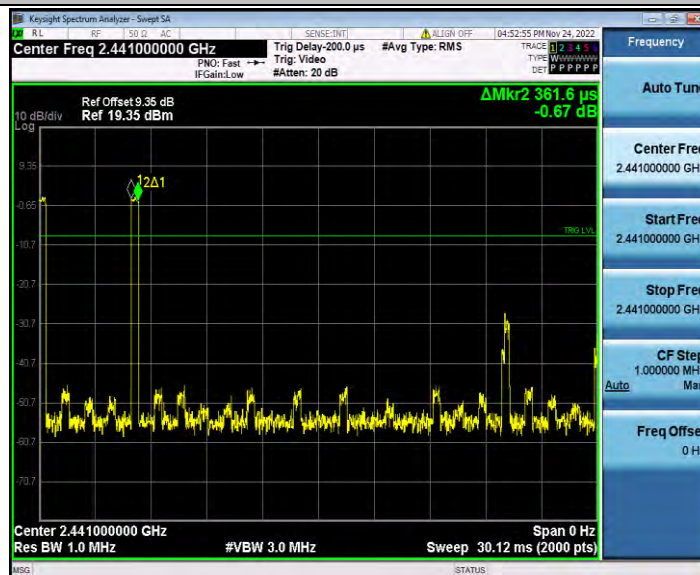


2DH5_Ant1_Hop

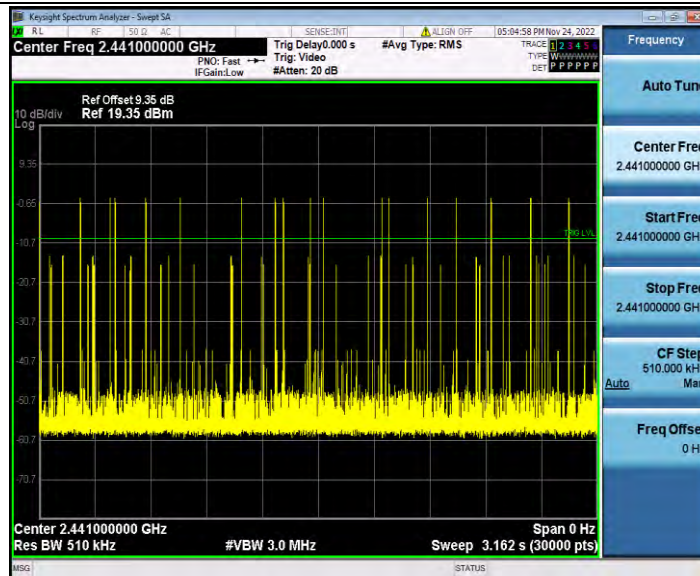




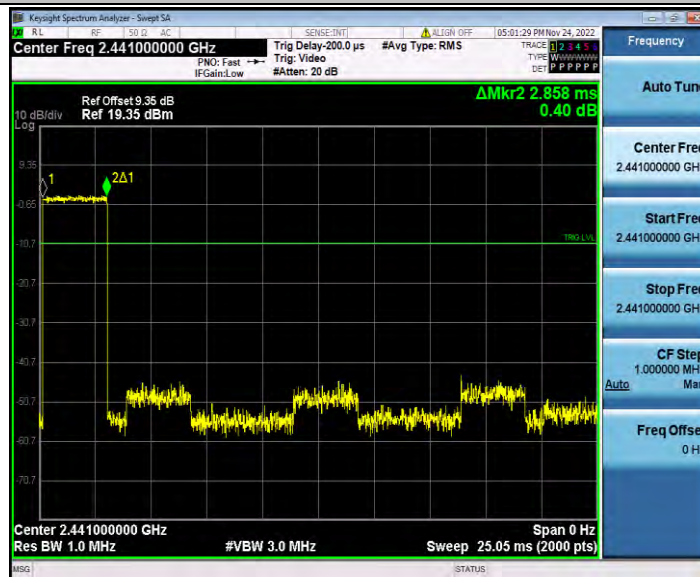
3DH1_Ant1_Hop

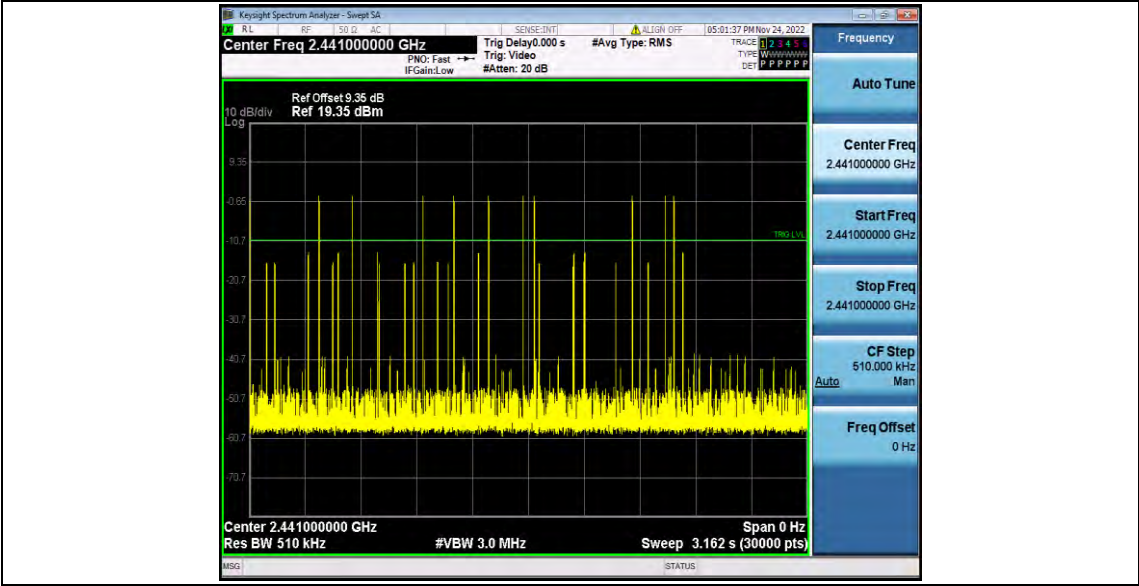


3DH3_Ant1_Hop



3DH5_Ant1_Hop





Appendix A.6: Number of hopping channels

Test Result

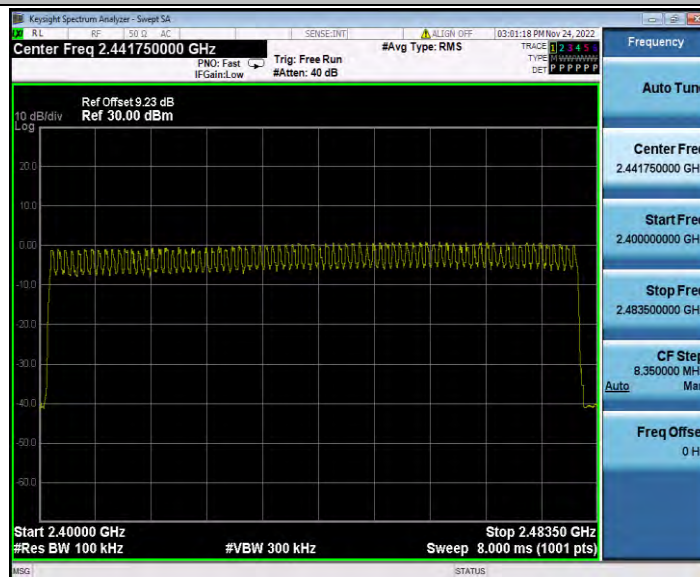
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

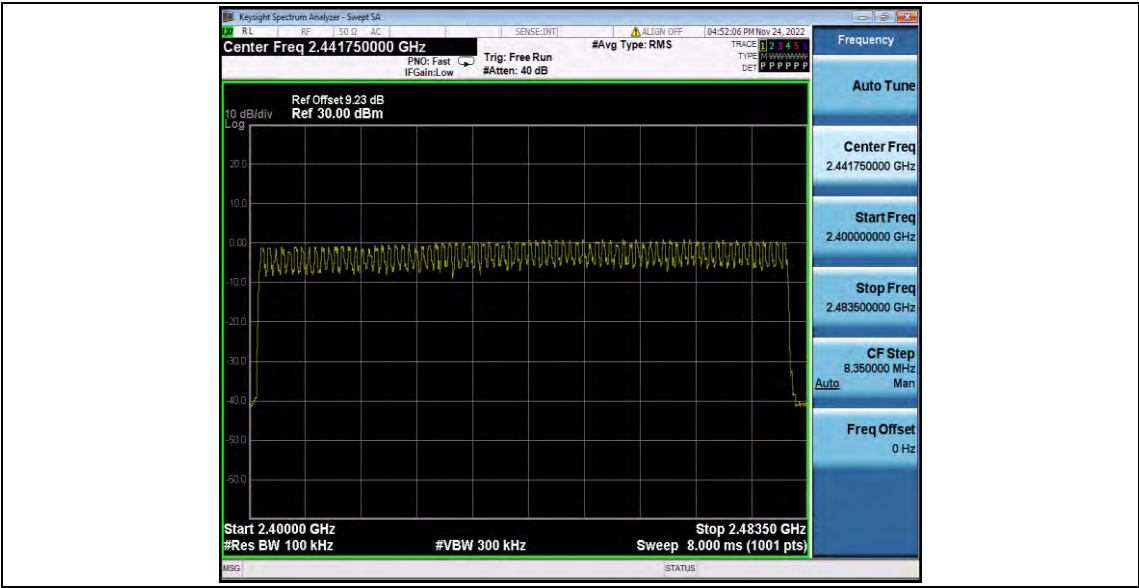
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



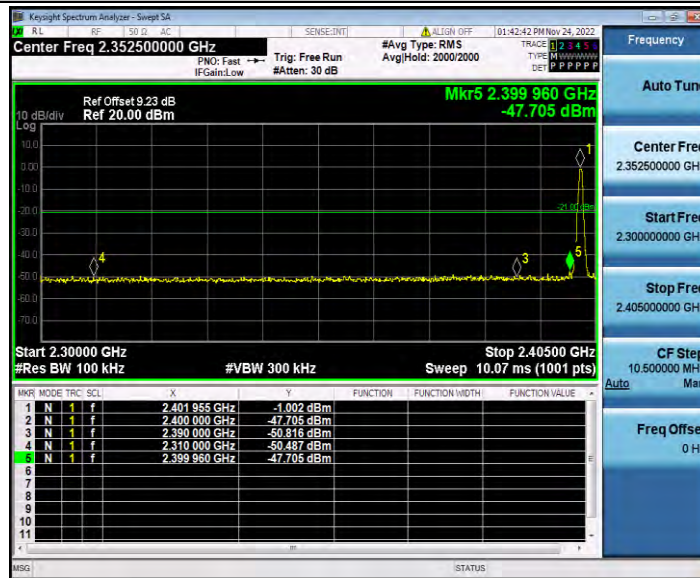
Appendix A.7: Band edge measurements

Test Result

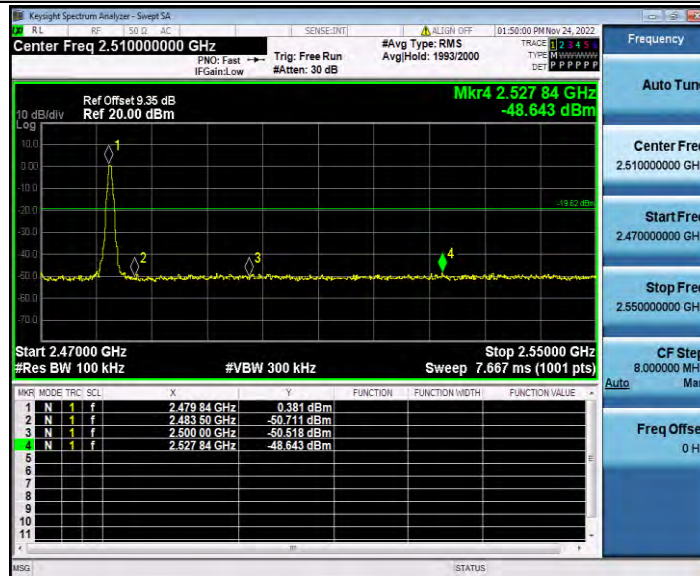
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	-1.00	-47.71	≤-21	PASS
		High	2480	0.38	-48.64	≤-19.62	PASS
		Low	Hop_2402	-1.30	-49.15	≤-21.3	PASS
		High	Hop_2480	0.28	-48.41	≤-19.72	PASS
2DH1	Ant1	Low	2402	-1.17	-48.93	≤-21.17	PASS
		High	2480	0.43	-47.21	≤-19.57	PASS
		Low	Hop_2402	-1.27	-49.05	≤-21.27	PASS
		High	Hop_2480	0.55	-48.6	≤-19.45	PASS
3DH1	Ant1	Low	2402	-1.16	-48.98	≤-21.16	PASS
		High	2480	0.36	-48.17	≤-19.64	PASS
		Low	Hop_2402	-1.23	-49.28	≤-21.23	PASS
		High	Hop_2480	0.43	-31.95	≤-19.57	PASS

Test Graphs

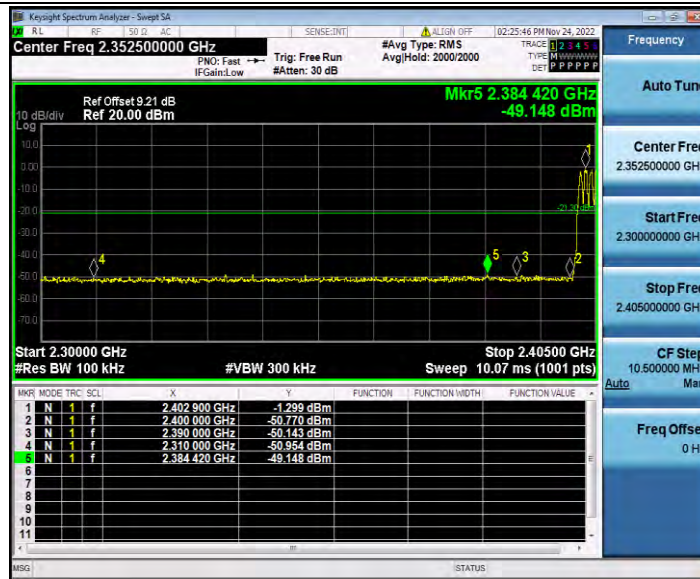
DH1_Ant1_Low_2402



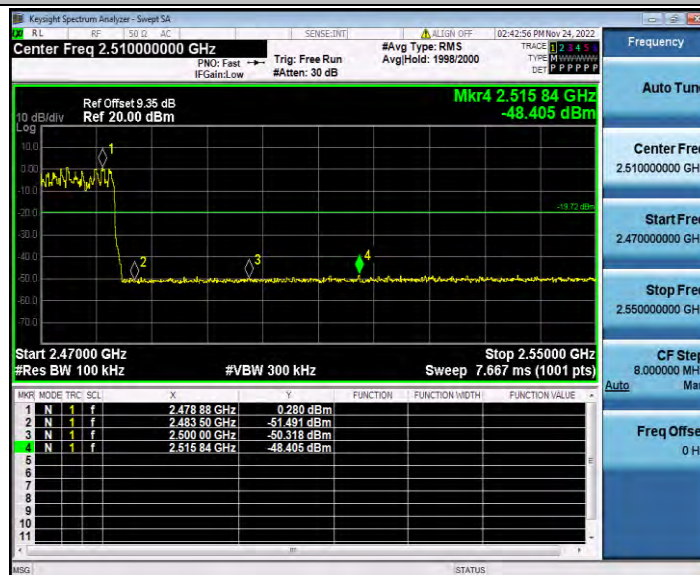
DH1_Ant1_High_2480



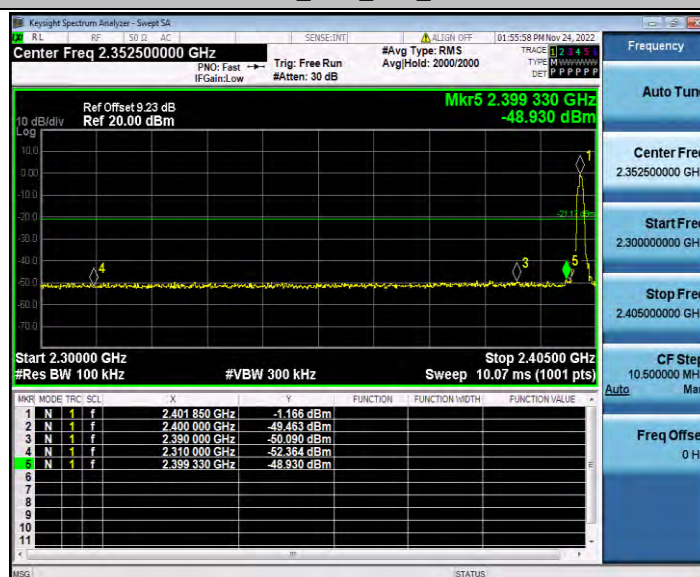
DH1_Ant1_Low_Hop_2402



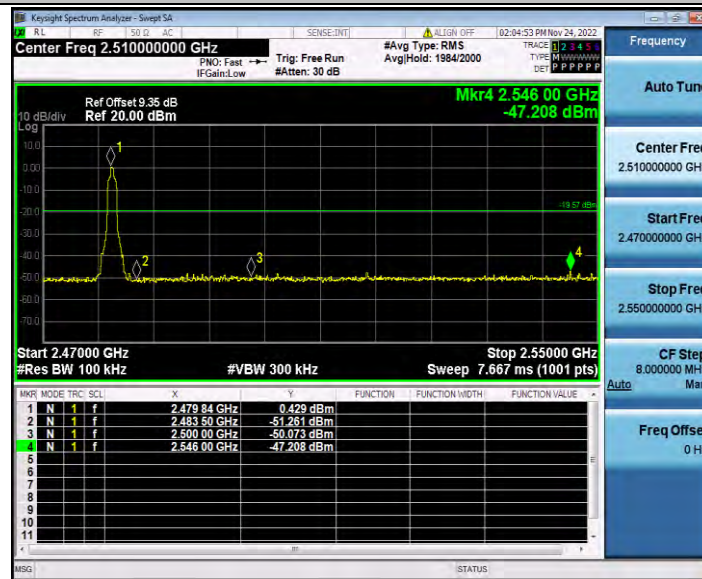
DH1_Ant1_High_Hop_2480



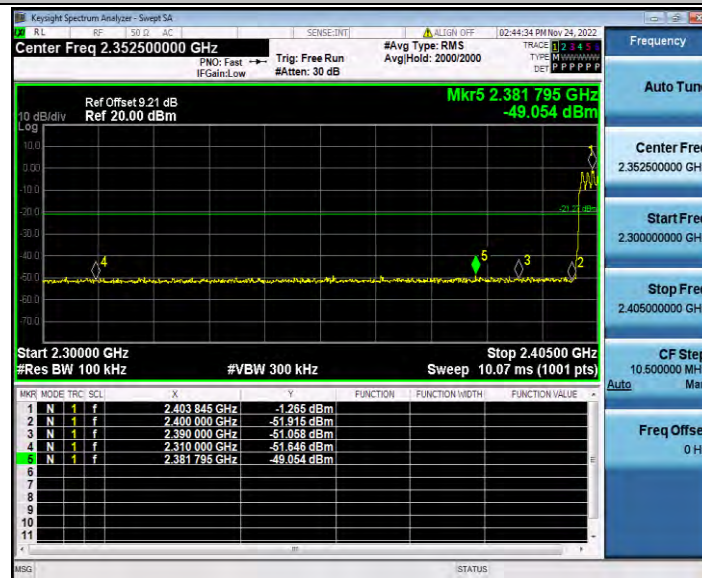
2DH1_Ant1_Low_2402



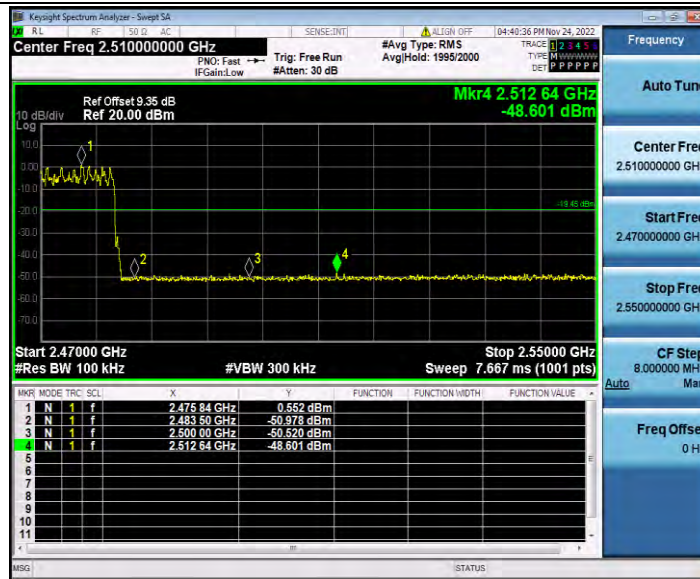
2DH1_Ant1_High_2480



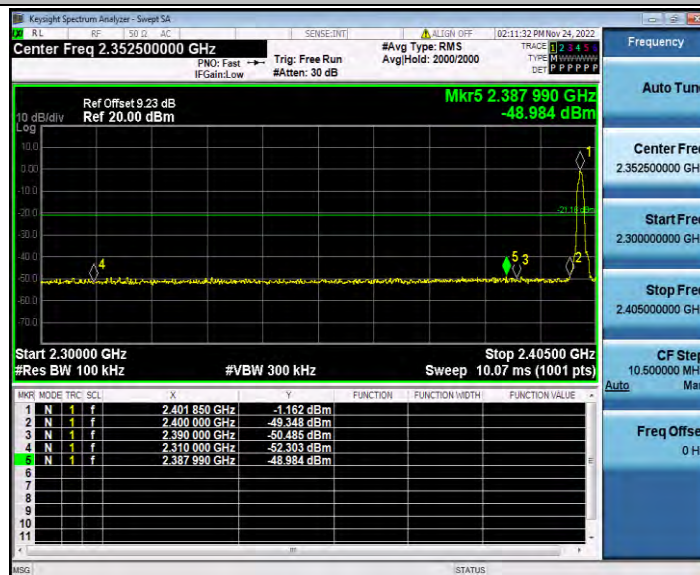
2DH1_Ant1_Low_Hop_2402



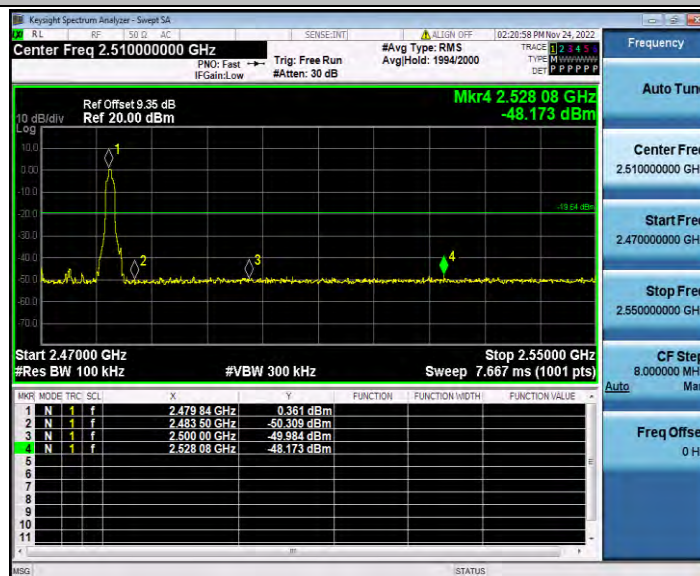
2DH1_Ant1_High_Hop_2480



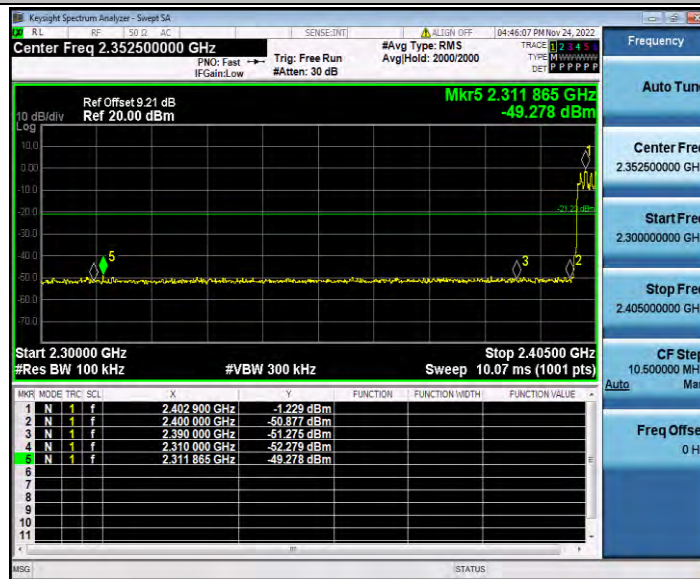
3DH1_Ant1_Low_2402



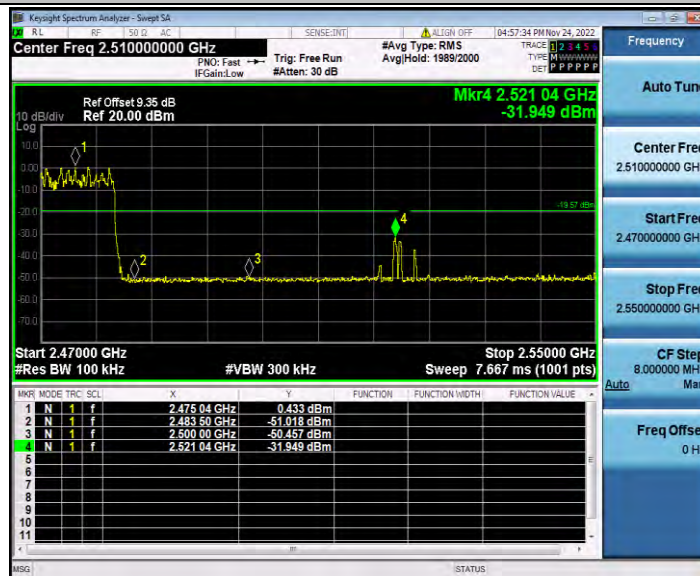
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.8: Conducted Spurious Emission

Test Result

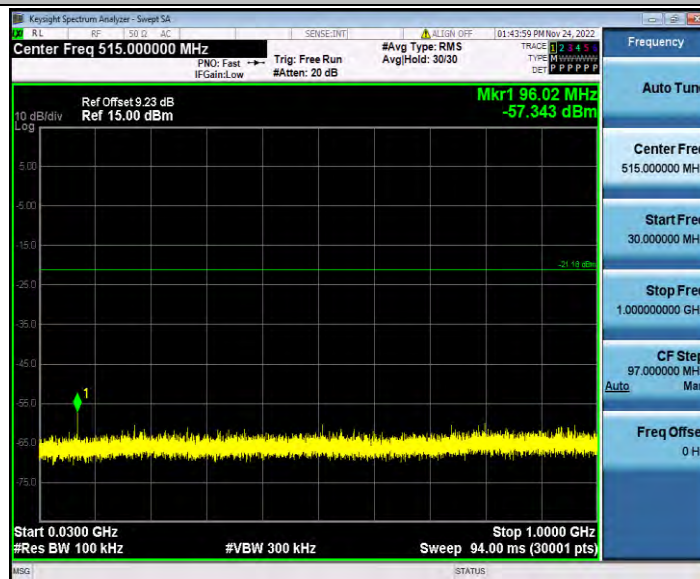
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	-1.18	-1.18	---	PASS
			30~1000	-1.18	-57.34	≤-21.18	PASS
			1000~26500	-1.18	-47.29	≤-21.18	PASS
		2441	Reference	0.47	0.47	---	PASS
			30~1000	0.47	-59.15	≤-19.53	PASS
			1000~26500	0.47	-39.81	≤-19.53	PASS
		2480	Reference	0.12	0.12	---	PASS
			30~1000	0.12	-39.81	≤-19.88	PASS
			1000~26500	0.12	-37.84	≤-19.88	PASS
2DH1	Ant1	2402	Reference	-1.31	-1.31	---	PASS
			30~1000	-1.31	-58.24	≤-21.31	PASS
			1000~26500	-1.31	-38.1	≤-21.31	PASS
		2441	Reference	0.13	0.13	---	PASS
			30~1000	0.13	-58.79	≤-19.87	PASS
			1000~26500	0.13	-47.45	≤-19.87	PASS
		2480	Reference	-1.26	-1.26	---	PASS
			30~1000	-1.26	-40.67	≤-21.26	PASS
			1000~26500	-1.26	-45.48	≤-21.26	PASS
3DH1	Ant1	2402	Reference	-1.44	-1.44	---	PASS
			30~1000	-1.44	-59.72	≤-21.44	PASS
			1000~26500	-1.44	-41.34	≤-21.44	PASS
		2441	Reference	0.53	0.53	---	PASS
			30~1000	0.53	-60.03	≤-19.47	PASS
			1000~26500	0.53	-44.76	≤-19.47	PASS
		2480	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-60.09	≤-20.48	PASS
			1000~26500	-0.48	-44.62	≤-20.48	PASS

Test Graphs

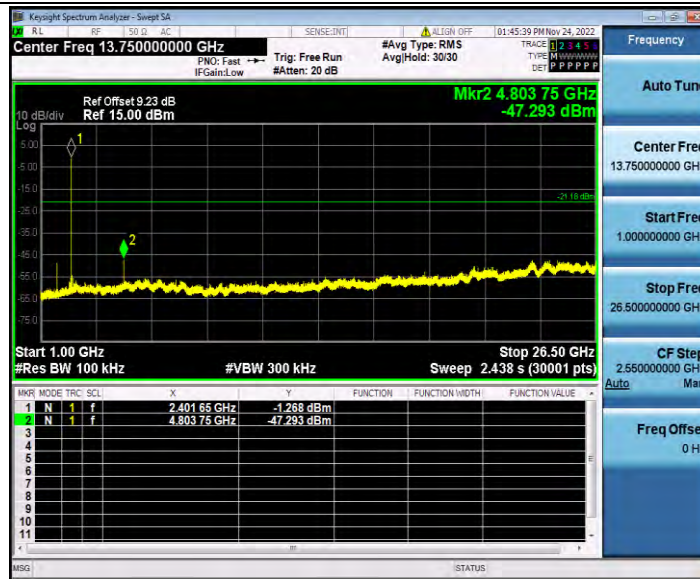
DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



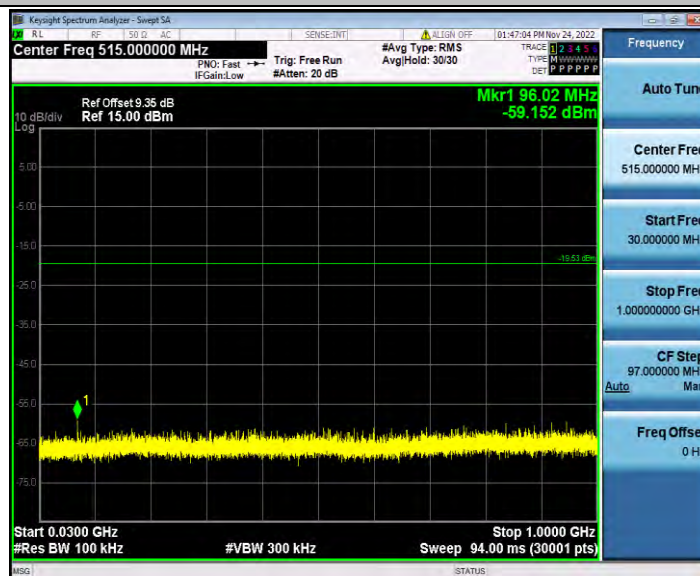
DH1_Ant1_2402_1000~26500



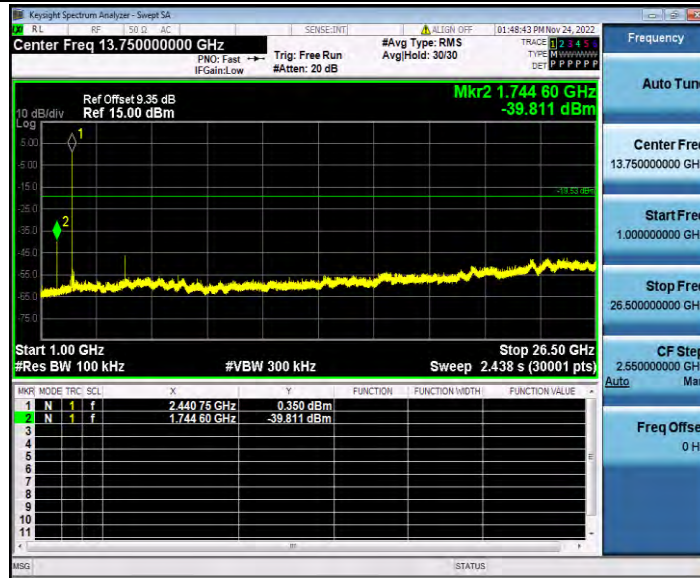
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



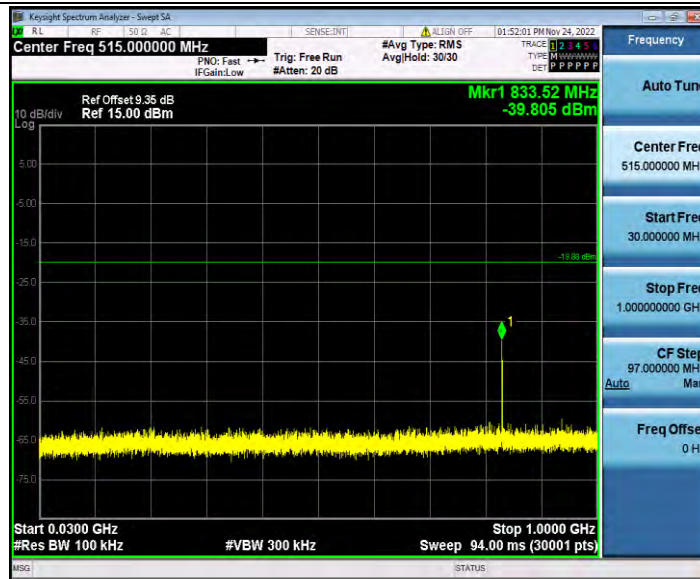
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



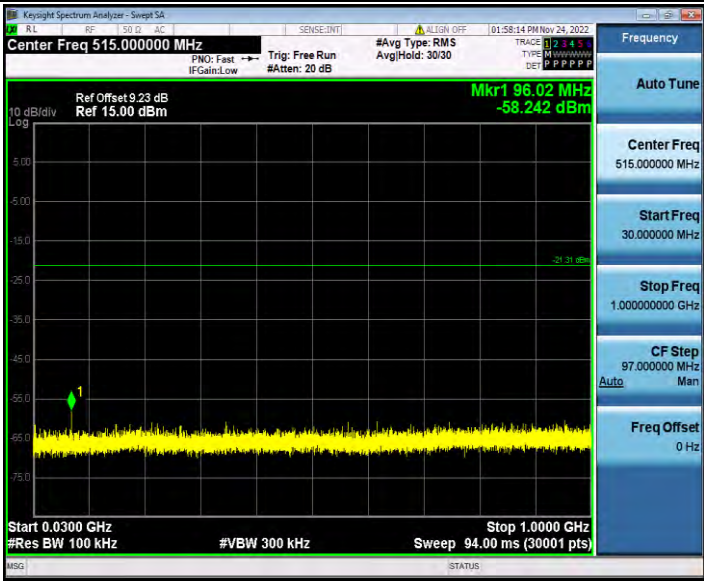
DH1_Ant1_2480_1000~26500



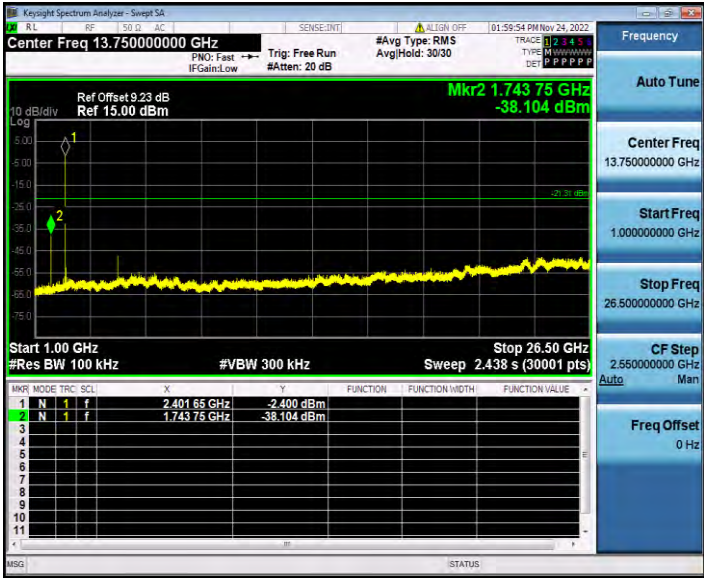
2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



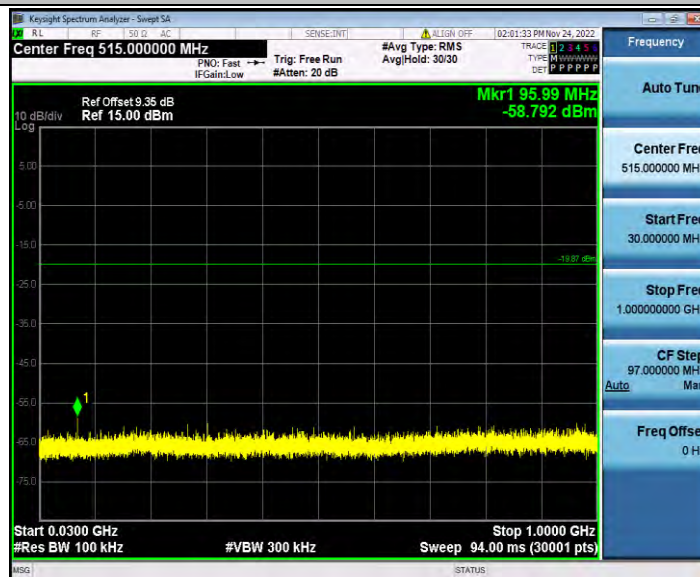
2DH1_Ant1_2402_1000~26500



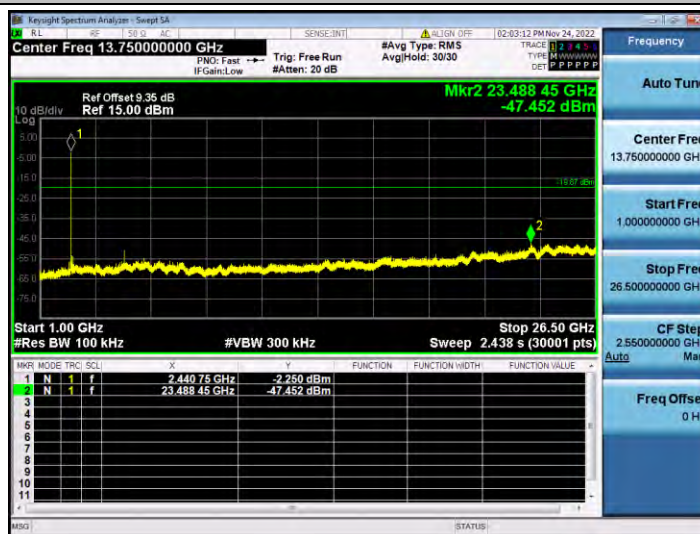
2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



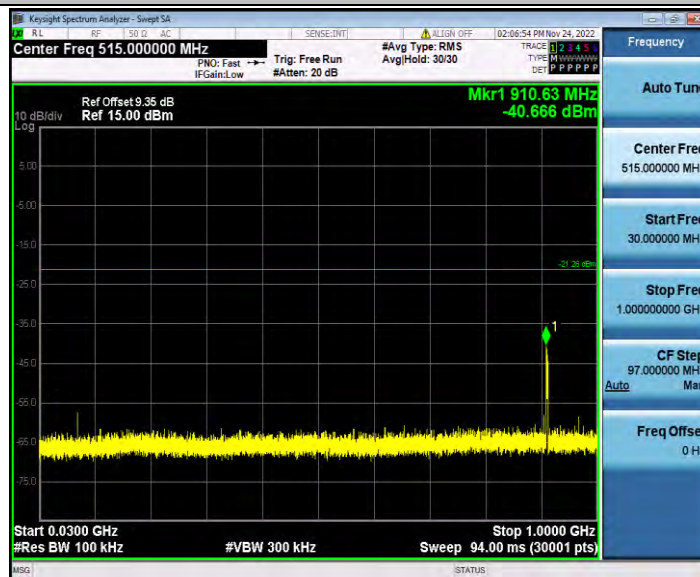
2DH1_Ant1_2441_1000~26500



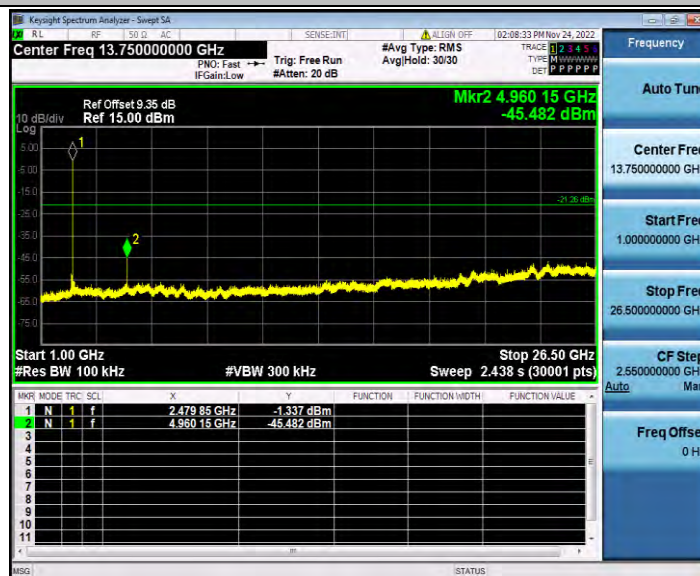
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



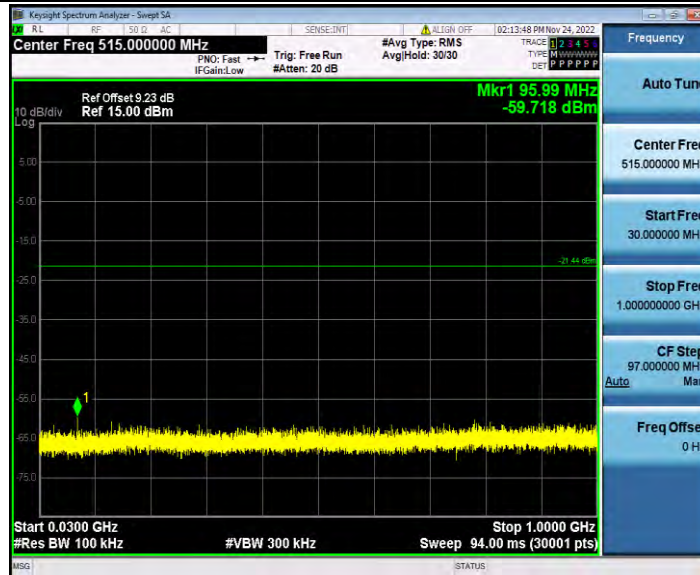
2DH1_Ant1_2480_1000~26500



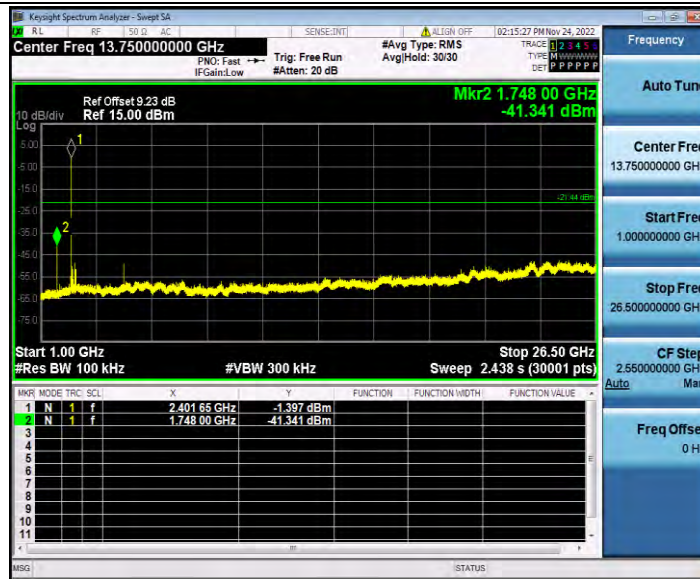
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



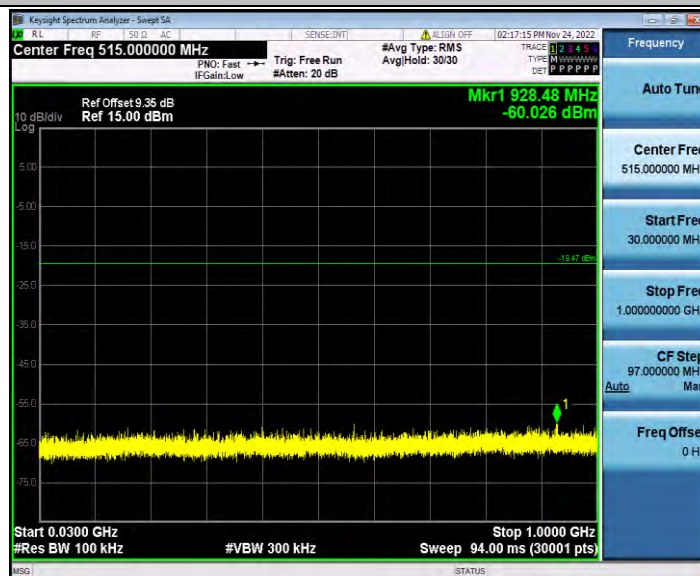
3DH1_Ant1_2402_1000~26500



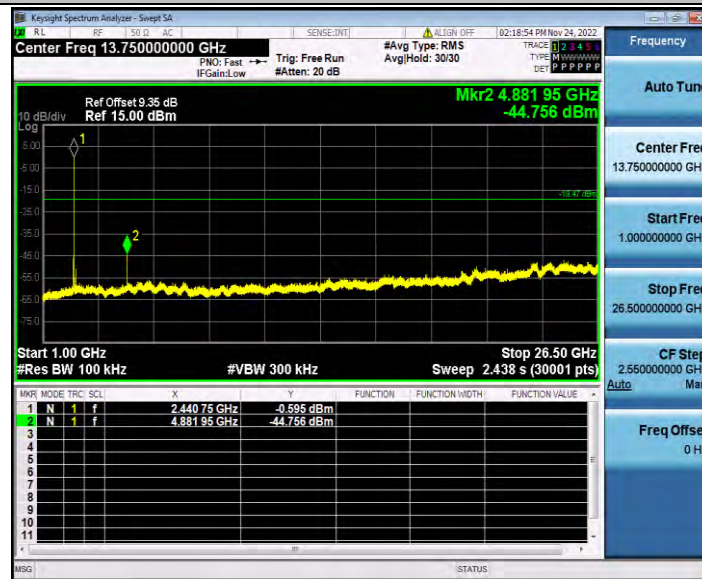
3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000

