

Case No. : GTS202205100015-1-11	
Ambient Condition: 26 °C, 46 %RH,	
Test Date: 2022.6.6	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	1.020	2401.523	2402.543	---	---
		2441	1.053	2440.493	2441.546	---	---
		2480	1.044	2479.493	2480.537	---	---
2DH1	Ant1	2402	1.362	2401.334	2402.696	---	---
		2441	1.350	2440.340	2441.690	---	---
		2480	1.347	2479.322	2480.669	---	---
3DH1	Ant1	2402	1.341	2401.346	2402.687	---	---
		2441	1.311	2440.343	2441.654	---	---
		2480	1.302	2479.340	2480.642	---	---

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	0.93619	2401.550	2402.486	---	---
		2441	0.94240	2440.537	2441.479	---	---
		2480	0.92959	2479.536	2480.465	---	---
2DH1	Ant1	2402	1.1987	2401.402	2402.601	---	---
		2441	1.1949	2440.397	2441.592	---	---
		2480	1.1938	2479.391	2480.585	---	---
3DH1	Ant1	2402	1.1789	2401.435	2402.614	---	---
		2441	1.1756	2440.429	2441.605	---	---
		2480	1.1719	2479.424	2480.596	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



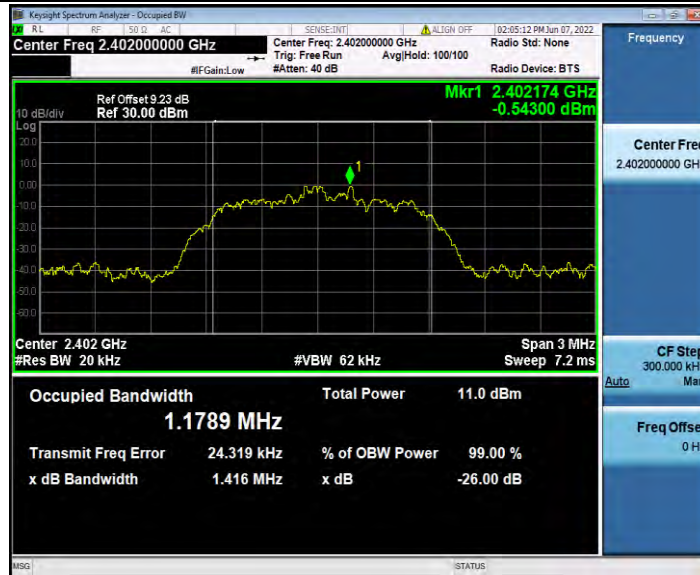
2DH1_Ant1_2441



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	0.844	≥ 0.702	PASS
		Hop_2441	1.016	≥ 0.702	PASS
		Hop_2480	0.992	≥ 0.702	PASS
2DH1	Ant1	Hop_2402	0.994	≥ 0.908	PASS
		Hop_2441	0.996	≥ 0.908	PASS
		Hop_2480	1.016	≥ 0.908	PASS
3DH1	Ant1	Hop_2402	1.008	≥ 0.894	PASS
		Hop_2441	0.998	≥ 0.894	PASS
		Hop_2480	0.998	≥ 0.894	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



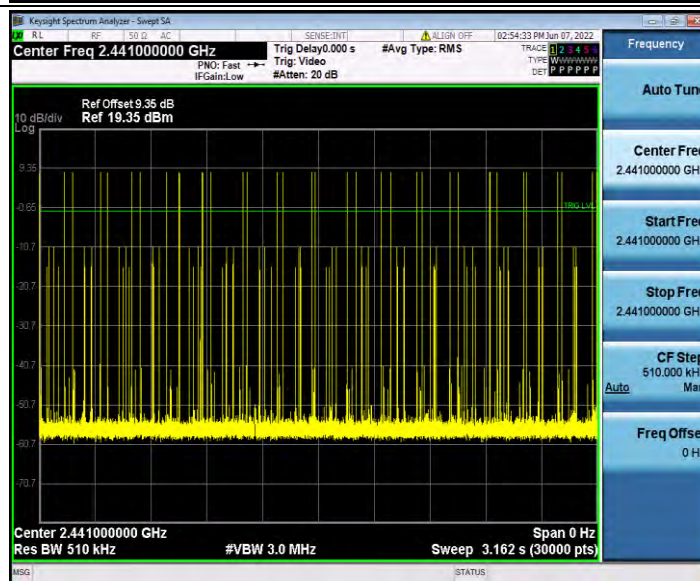
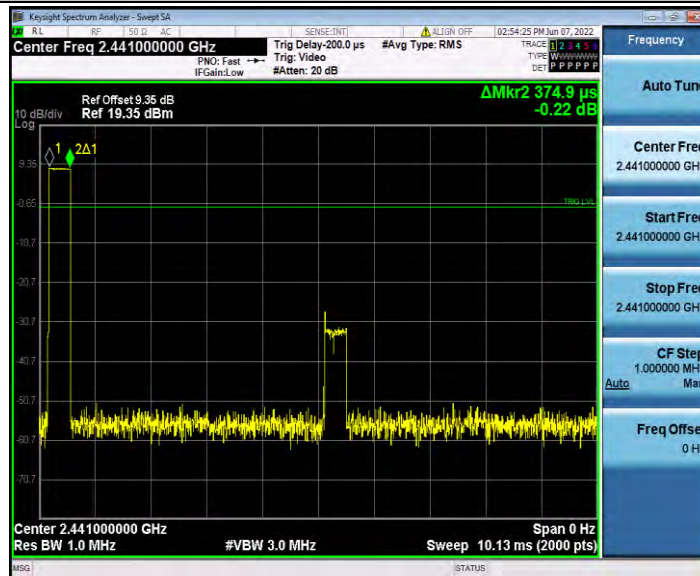
Appendix A.4: Time of occupancy

Test Result

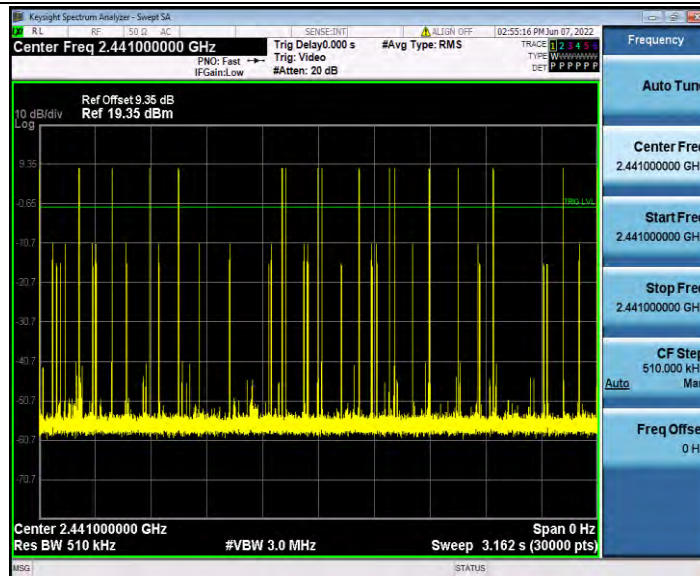
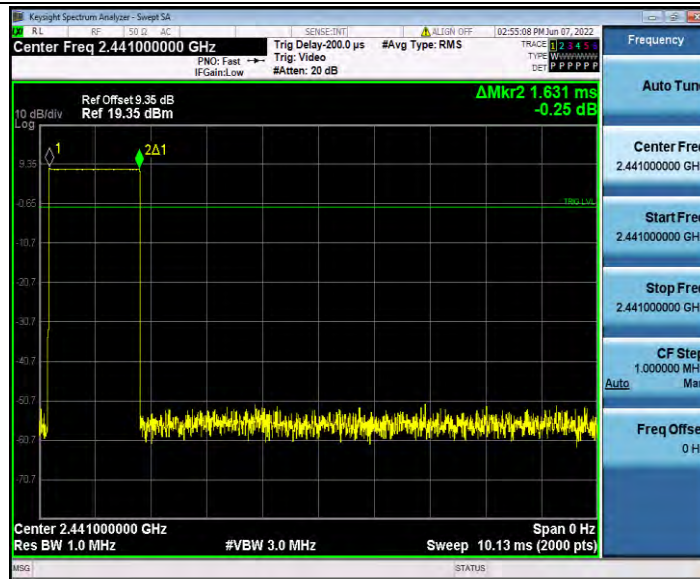
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	330	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.63	180	0.294	≤0.4	PASS
DH5	Ant1	Hop	2.88	90	0.259	≤0.4	PASS
2DH1	Ant1	Hop	0.38	320	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.63	180	0.294	≤0.4	PASS
2DH5	Ant1	Hop	2.88	130	0.375	≤0.4	PASS
3DH1	Ant1	Hop	0.38	330	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.61	170	0.274	≤0.4	PASS
3DH5	Ant1	Hop	2.88	90	0.259	≤0.4	PASS

Test Graphs

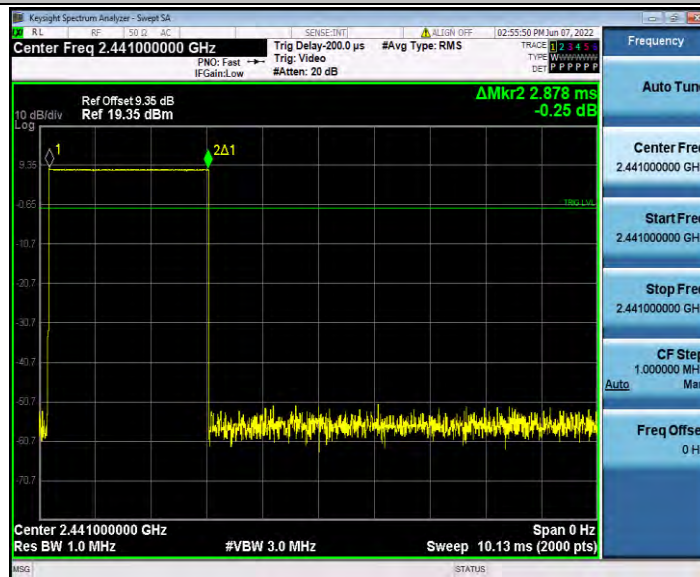
DH1_Ant1_Hop

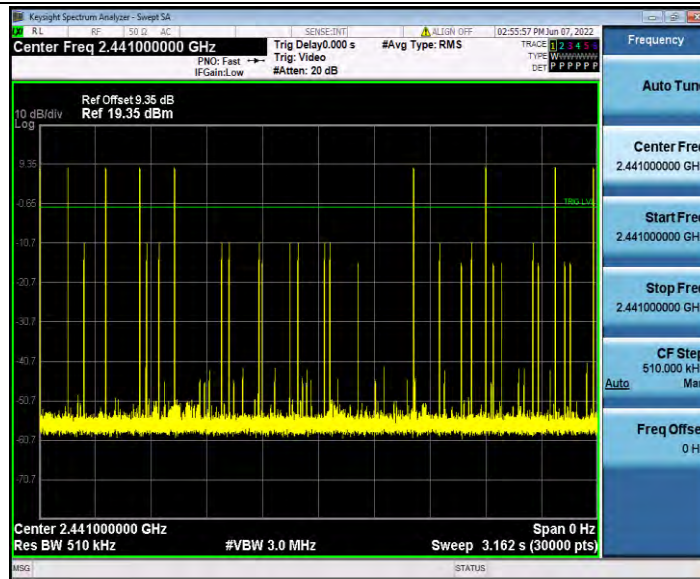


DH3_Ant1_Hop

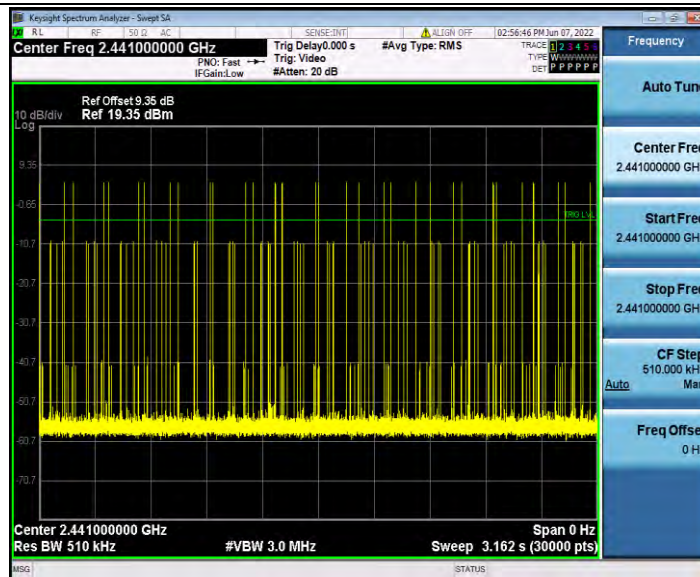
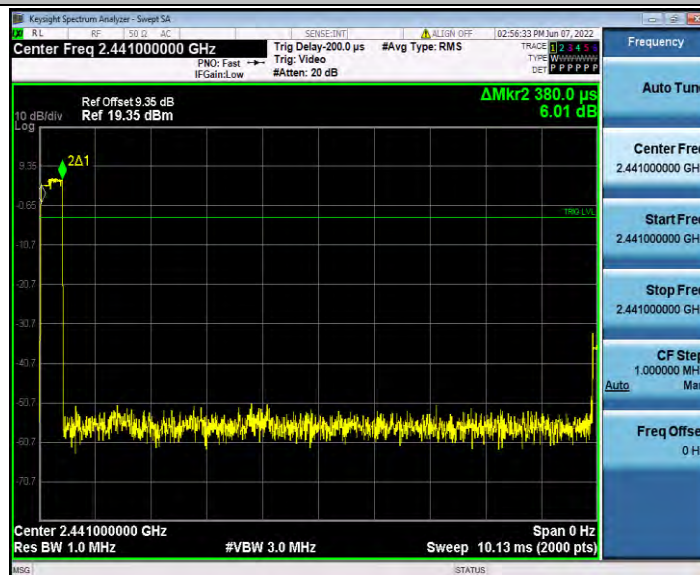


DH5_Ant1_Hop

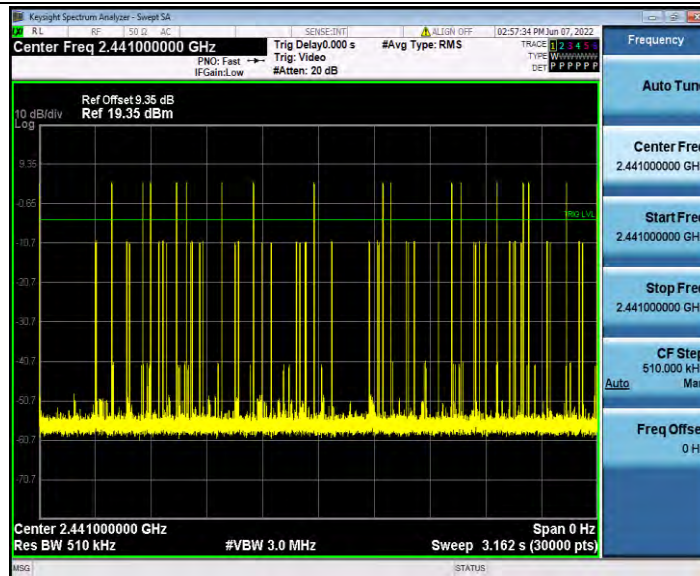
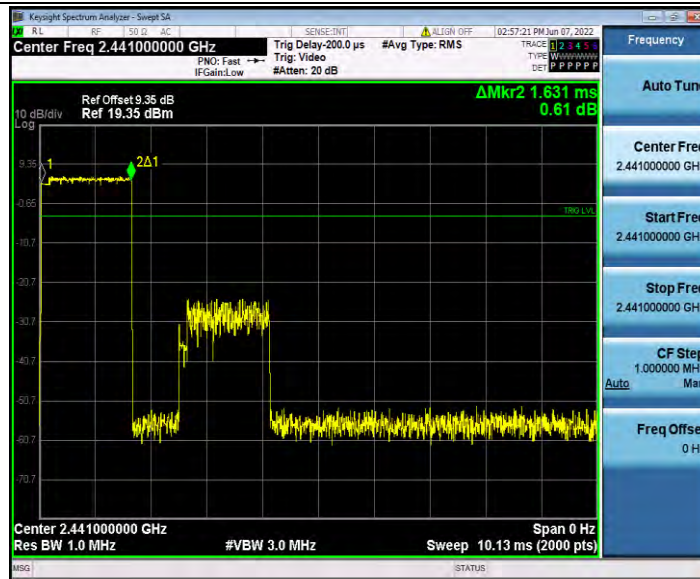




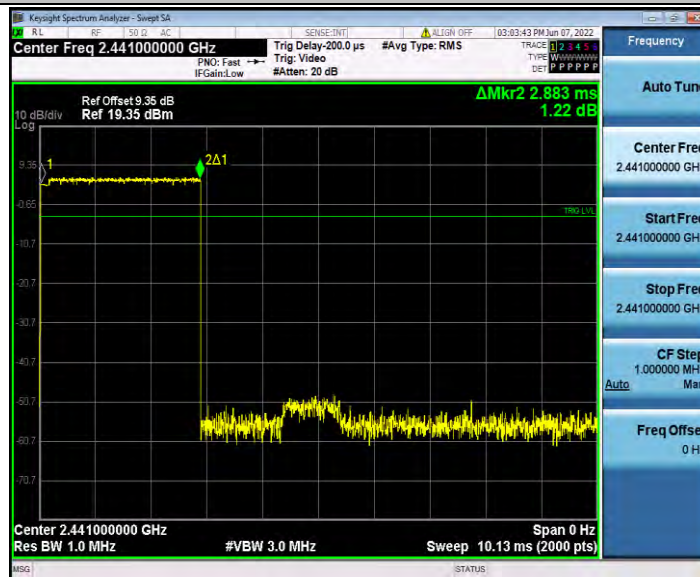
2DH1_Ant1_Hop

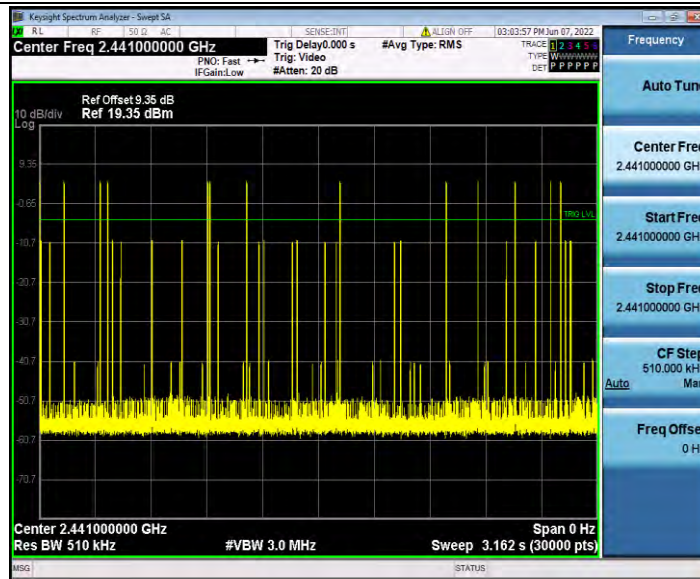


2DH3_Ant1_Hop

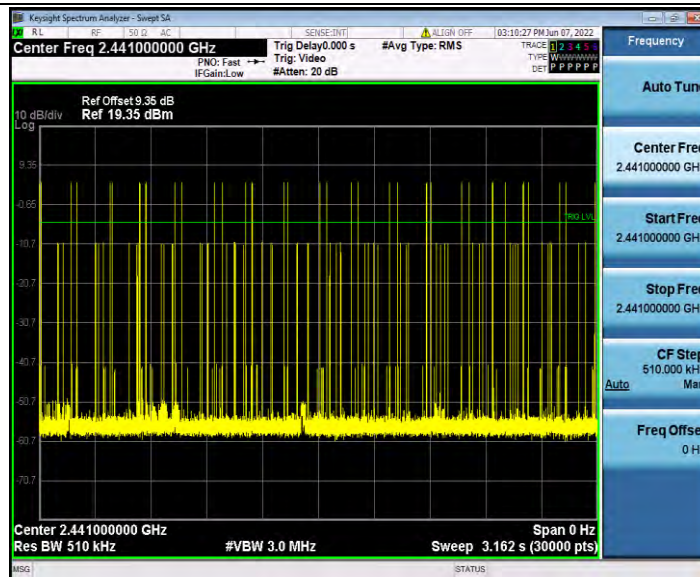
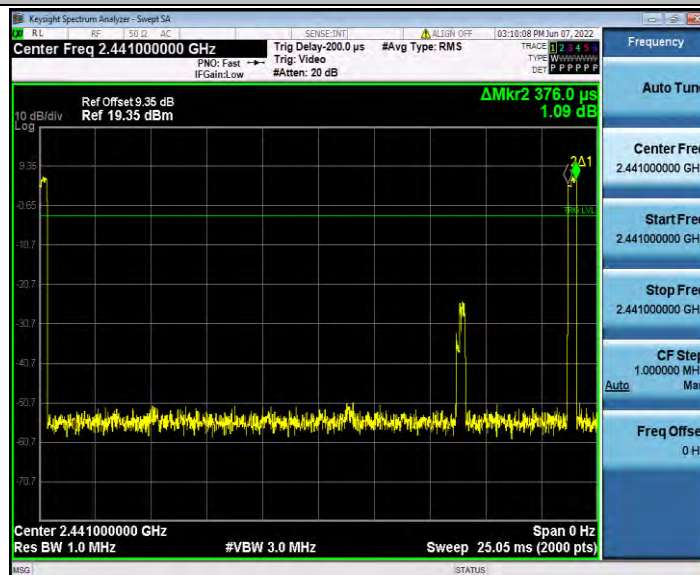


2DH5_Ant1_Hop

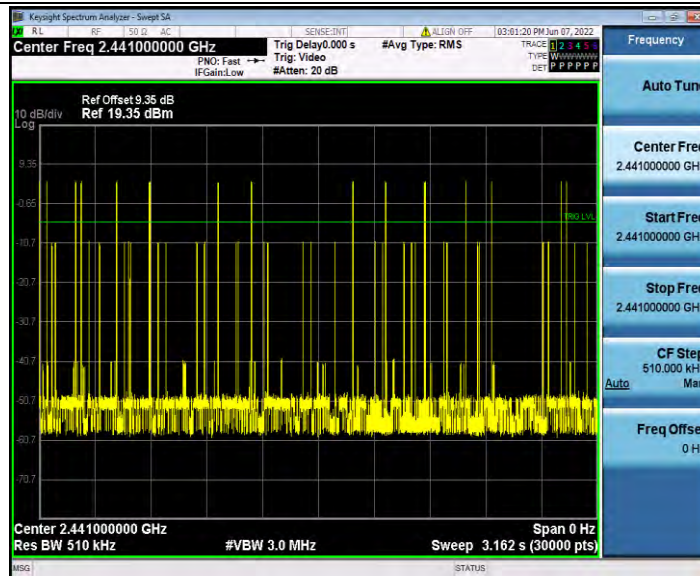
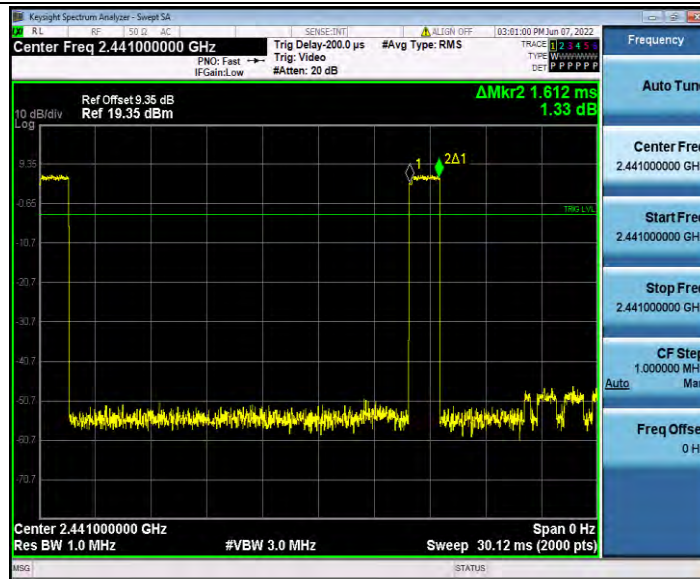




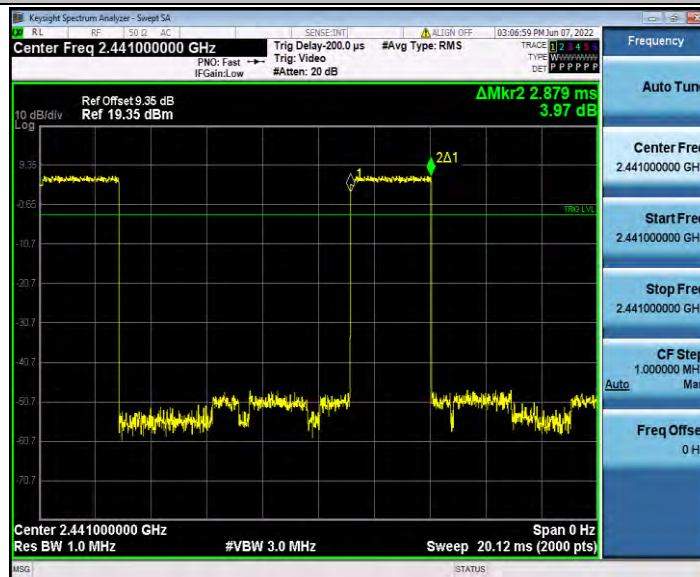
3DH1_Ant1_Hop

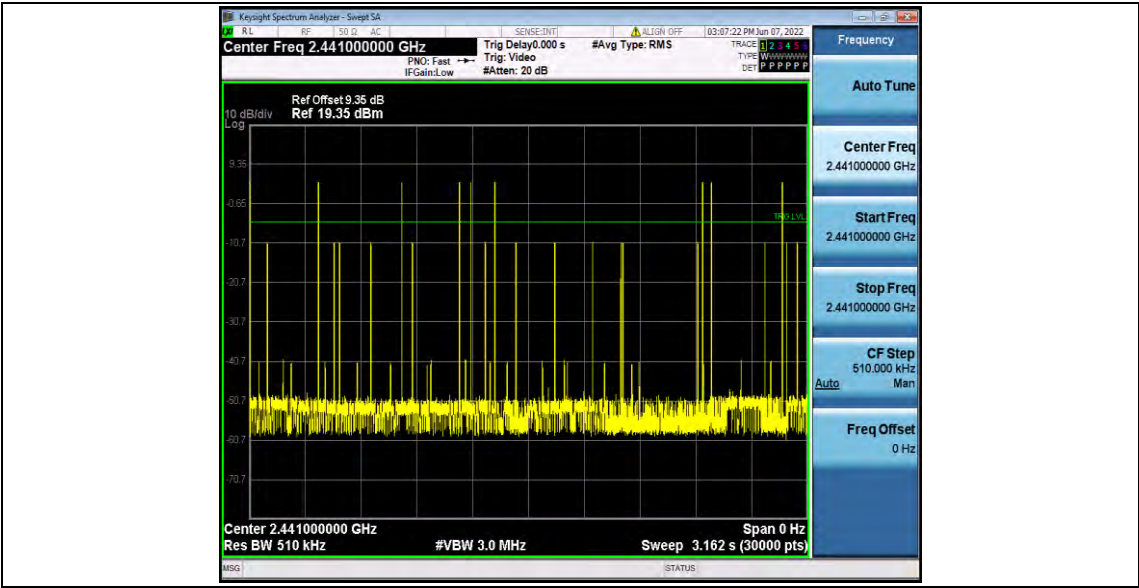


3DH3_Ant1_Hop



3DH5_Ant1_Hop





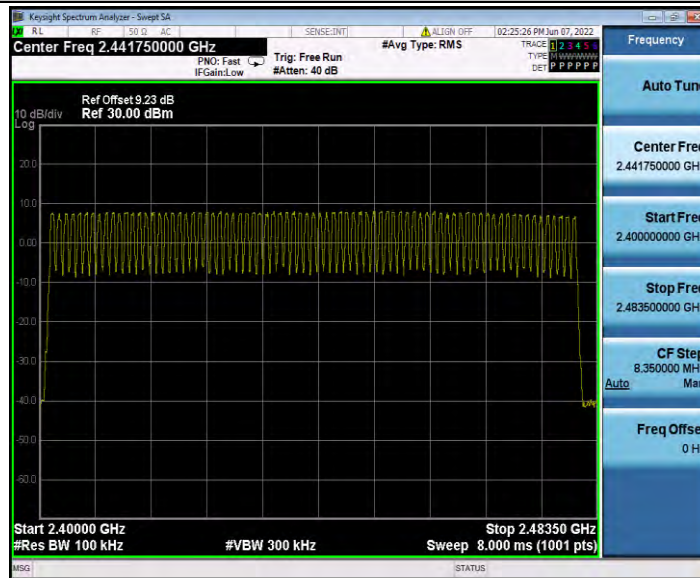
Appendix A.5: Number of hopping channels

Test Result

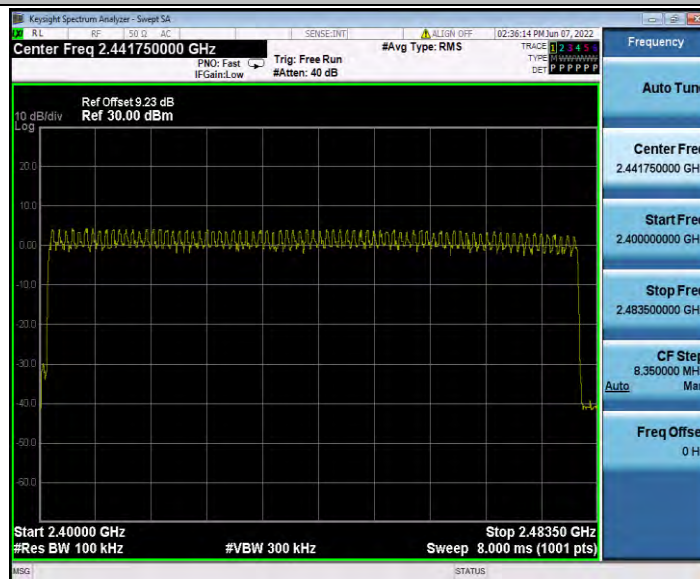
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

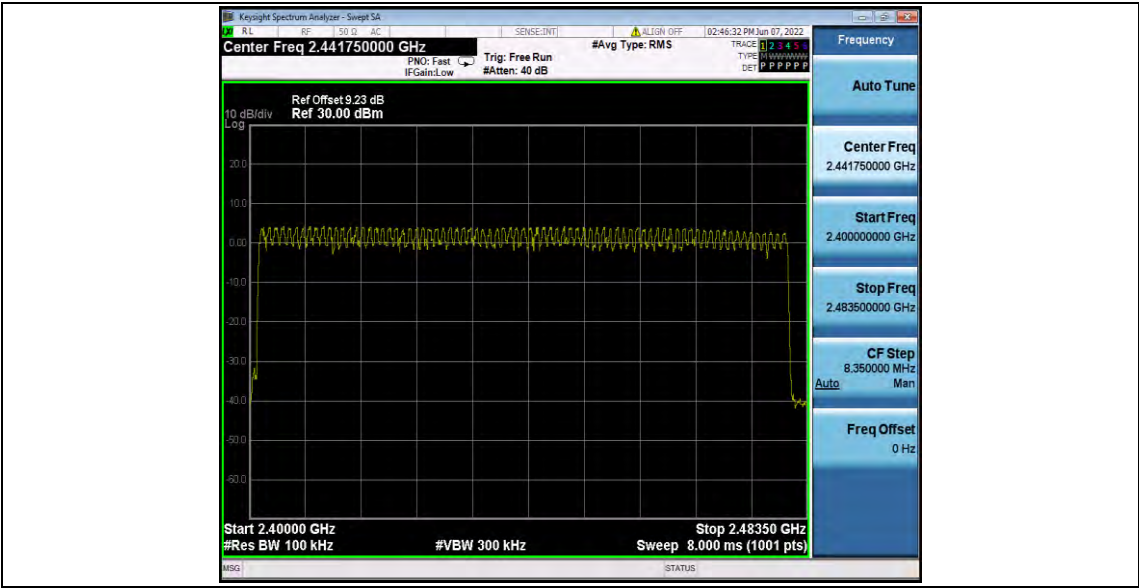
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



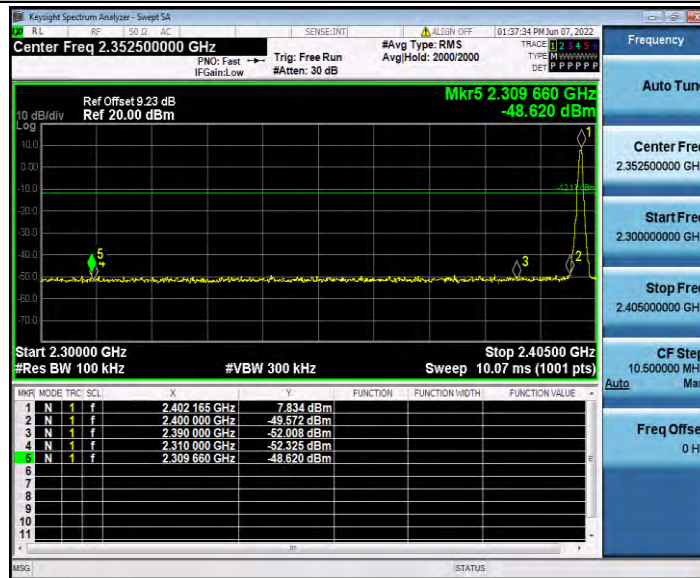
Appendix .6: Band edge measurements

Test Result

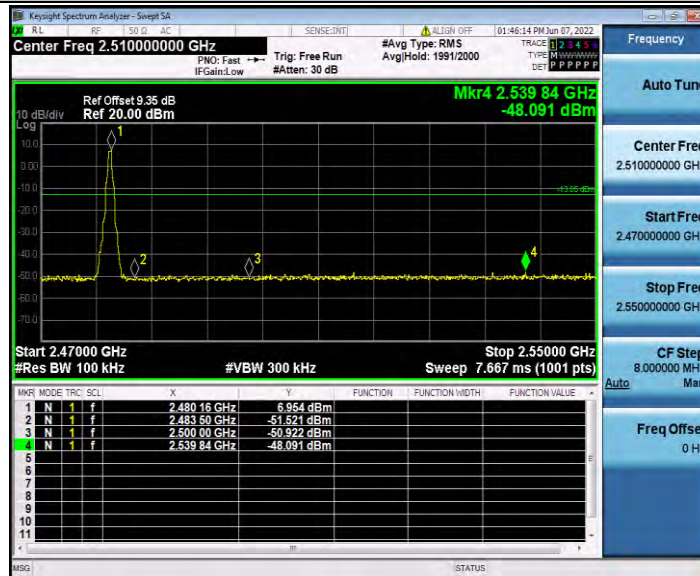
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	7.83	-48.62	≤-12.17	PASS
		High	2480	6.95	-48.09	≤-13.05	PASS
		Low	Hop_2402	7.26	-49.21	≤-12.74	PASS
		High	Hop_2480	7.50	-48.62	≤-12.5	PASS
2DH1	Ant1	Low	2402	4.17	-47.49	≤-15.83	PASS
		High	2480	2.64	-48.38	≤-17.36	PASS
		Low	Hop_2402	3.89	-49.1	≤-16.11	PASS
		High	Hop_2480	3.27	-48.28	≤-16.73	PASS
3DH1	Ant1	Low	2402	4.17	-47.72	≤-15.83	PASS
		High	2480	2.71	-48.84	≤-17.3	PASS
		Low	Hop_2402	3.70	-49.65	≤-16.3	PASS
		High	Hop_2480	3.31	-48.83	≤-16.69	PASS

Test Graphs

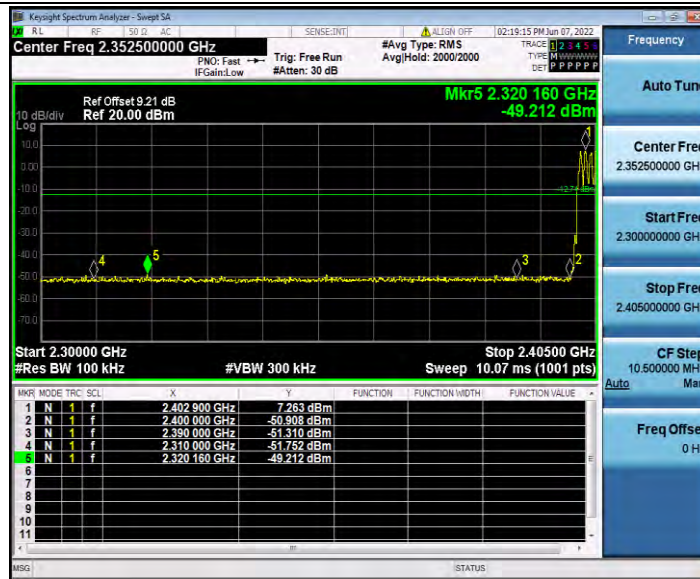
DH1_Ant1_Low_2402



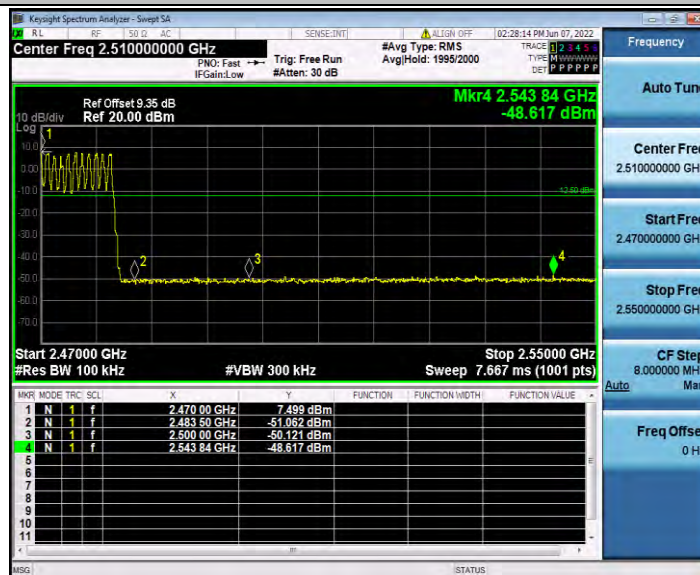
DH1_Ant1_High_2480



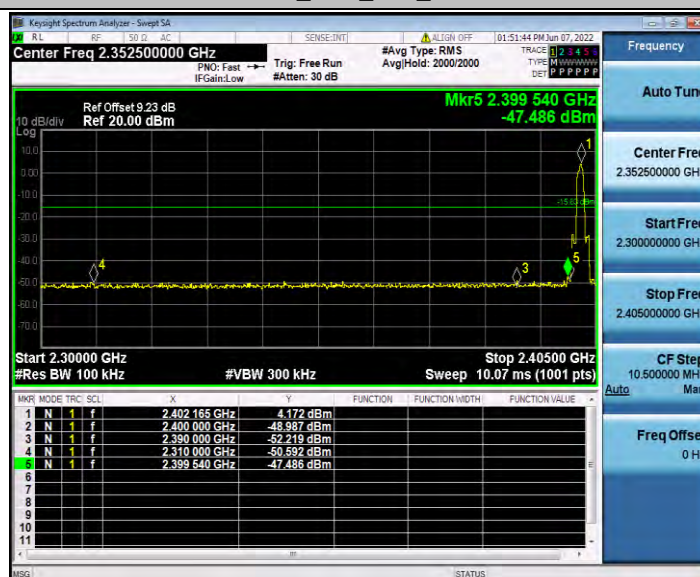
DH1_Ant1_Low_Hop_2402



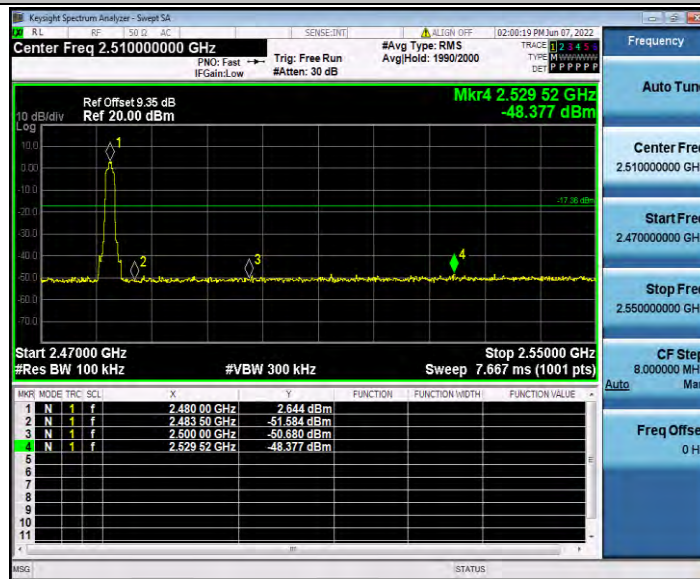
DH1_Ant1_High_Hop_2480



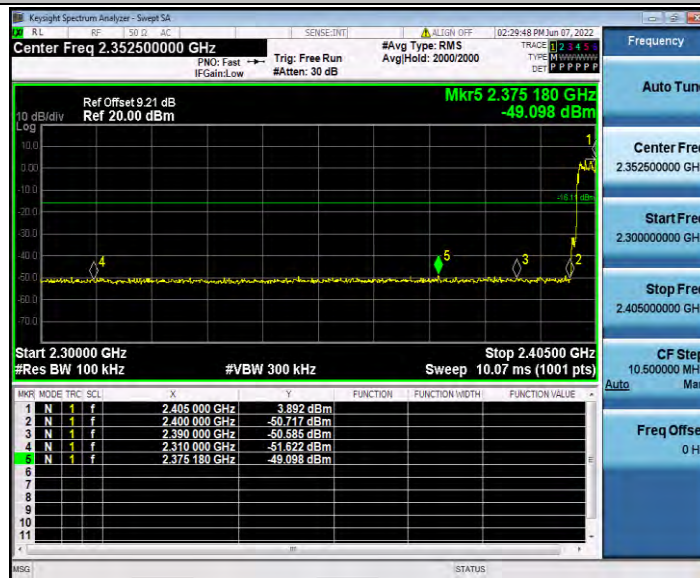
2DH1_Ant1_Low_2402



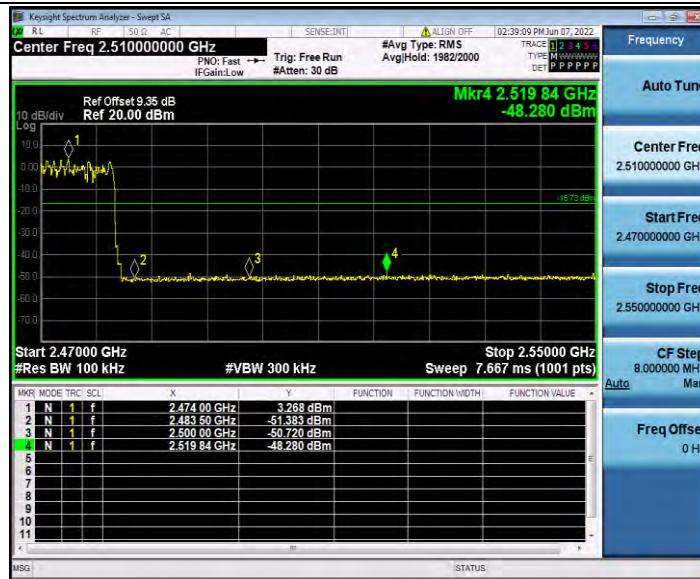
2DH1_Ant1_High_2480



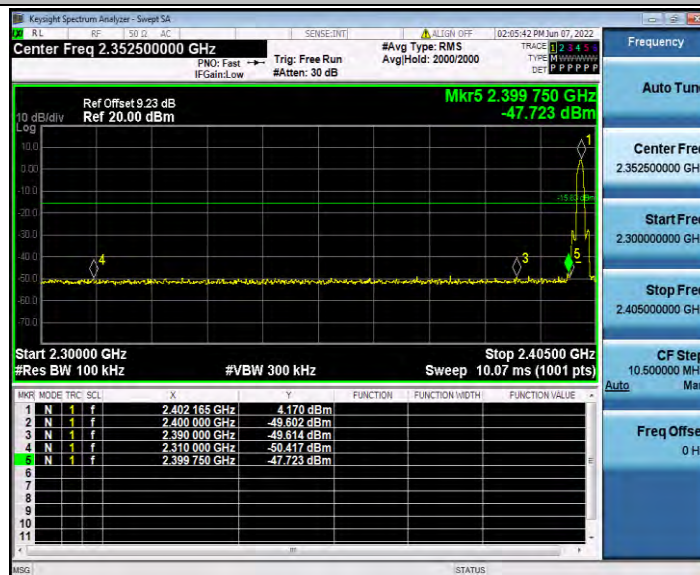
2DH1_Ant1_Low_Hop_2402



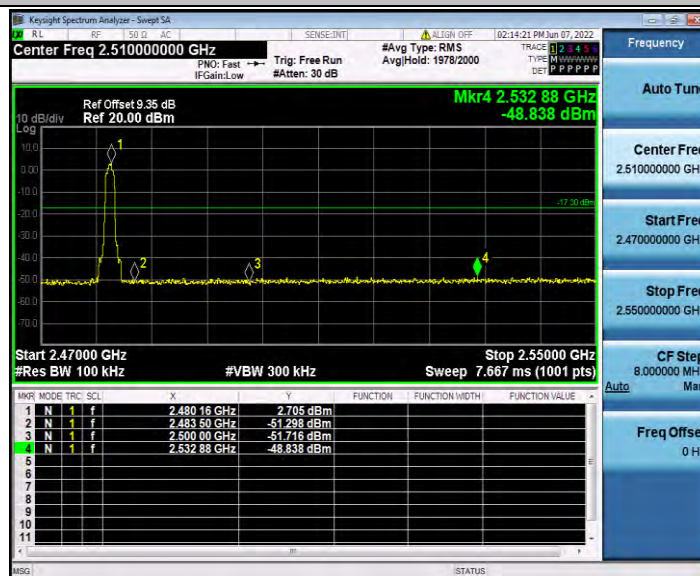
2DH1_Ant1_High_Hop_2480



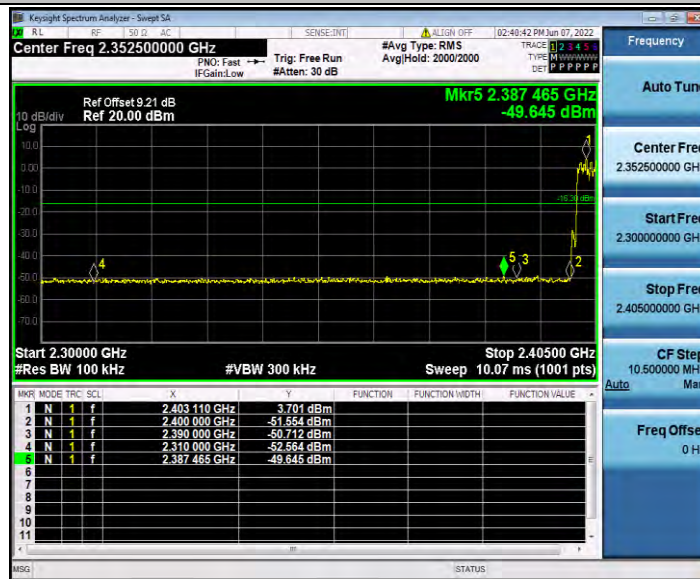
3DH1_Ant1_Low_2402



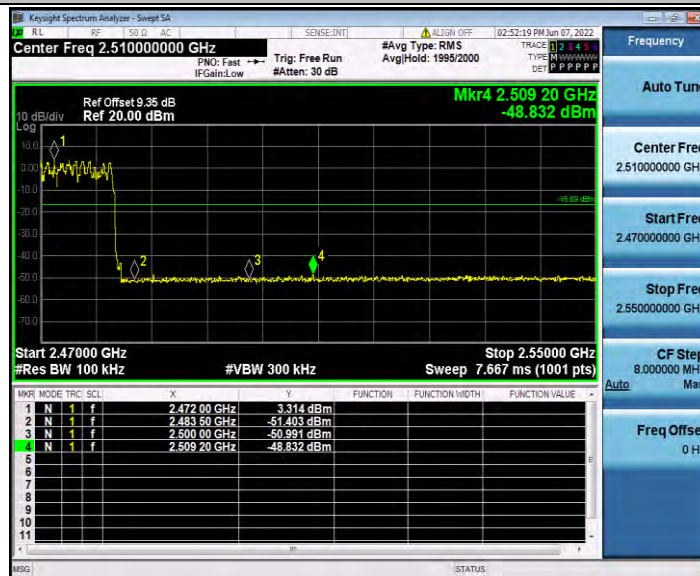
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.7: Conducted Spurious Emission

Test Result

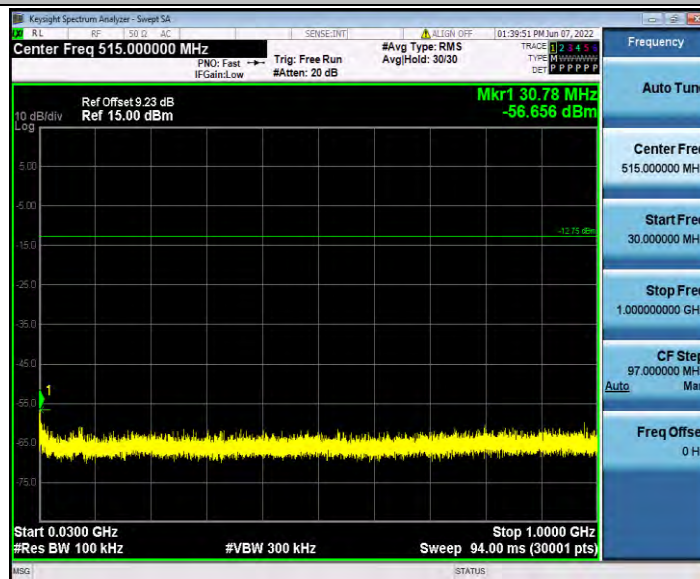
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	7.25	7.25	---	PASS
			30~1000	7.25	-56.66	≤-12.75	PASS
			1000~26500	7.25	-48.04	≤-12.75	PASS
		2441	Reference	7.60	7.60	---	PASS
			30~1000	7.60	-56.68	≤-12.4	PASS
			1000~26500	7.60	-47.32	≤-12.4	PASS
		2480	Reference	6.67	6.67	---	PASS
			30~1000	6.67	-59.59	≤-13.33	PASS
			1000~26500	6.67	-47.3	≤-13.33	PASS
2DH1	Ant1	2402	Reference	3.59	3.59	---	PASS
			30~1000	3.59	-59.35	≤-16.41	PASS
			1000~26500	3.59	-47.04	≤-16.41	PASS
		2441	Reference	3.53	3.53	---	PASS
			30~1000	3.53	-45.77	≤-16.47	PASS
			1000~26500	3.53	-47.63	≤-16.47	PASS
		2480	Reference	2.23	2.23	---	PASS
			30~1000	2.23	-58.26	≤-17.77	PASS
			1000~26500	2.23	-48.23	≤-17.77	PASS
3DH1	Ant1	2402	Reference	4.05	4.05	---	PASS
			30~1000	4.05	-57.51	≤-15.95	PASS
			1000~26500	4.05	-47.78	≤-15.95	PASS
		2441	Reference	4.08	4.08	---	PASS
			30~1000	4.08	-57.66	≤-15.92	PASS
			1000~26500	4.08	-47.09	≤-15.92	PASS
		2480	Reference	2.57	2.57	---	PASS
			30~1000	2.57	-58.43	≤-17.43	PASS
			1000~26500	2.57	-47.04	≤-17.43	PASS

Test Graphs

DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



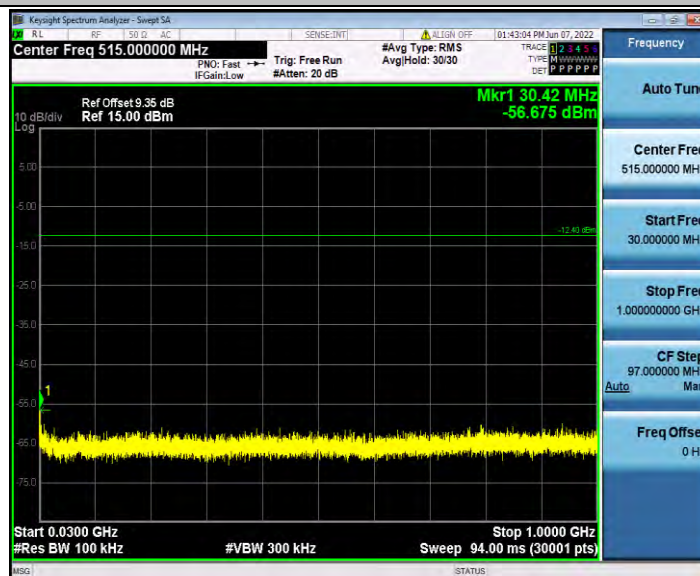
DH1_Ant1_2402_1000~26500



DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



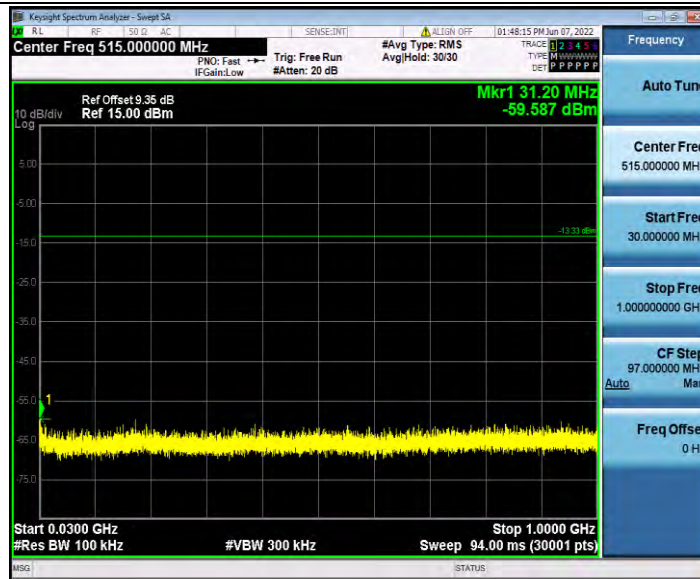
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



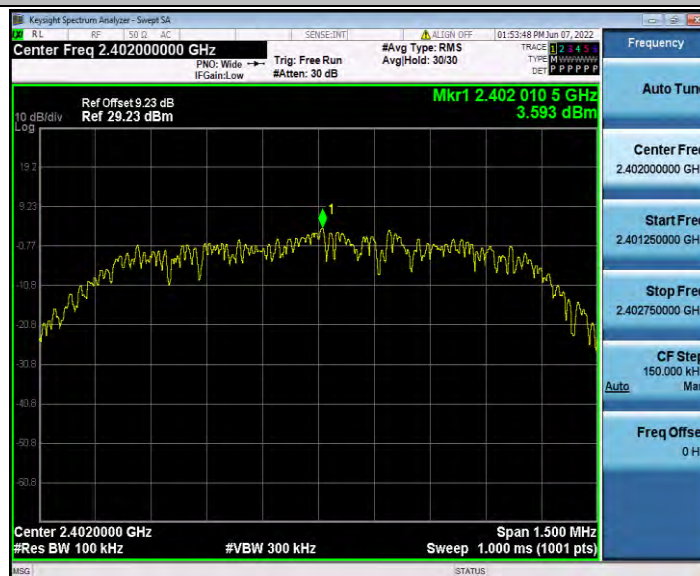
DH1_Ant1_2480_30~1000



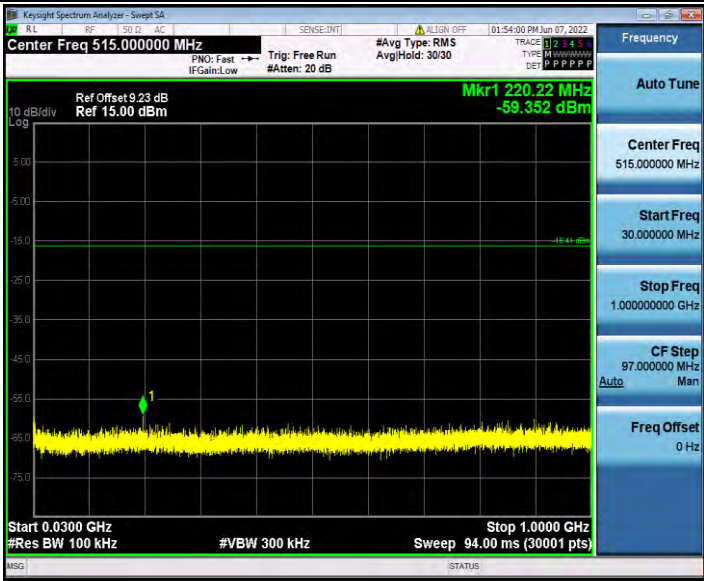
DH1_Ant1_2480_1000~26500



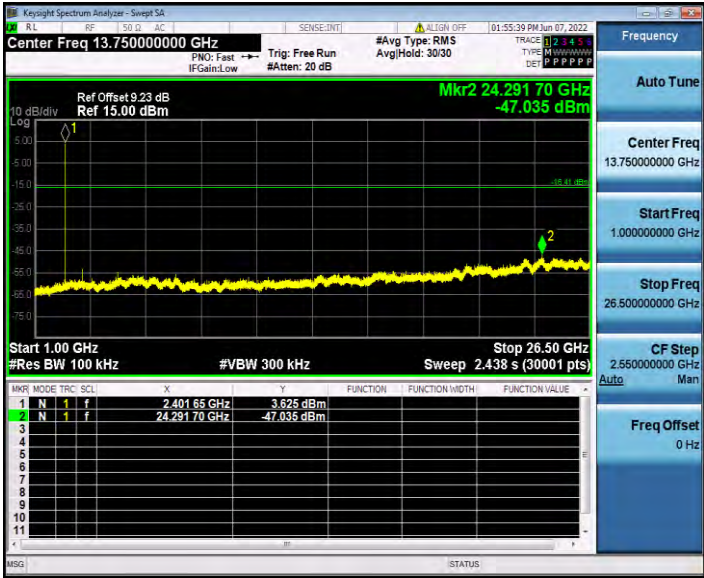
2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



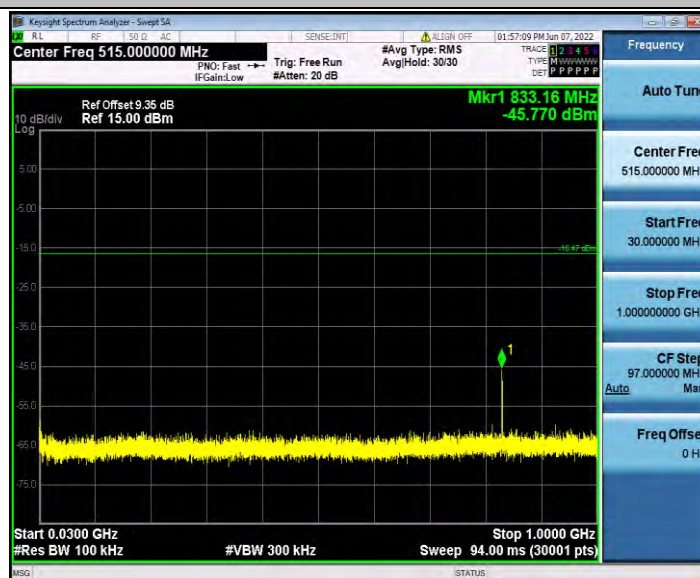
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



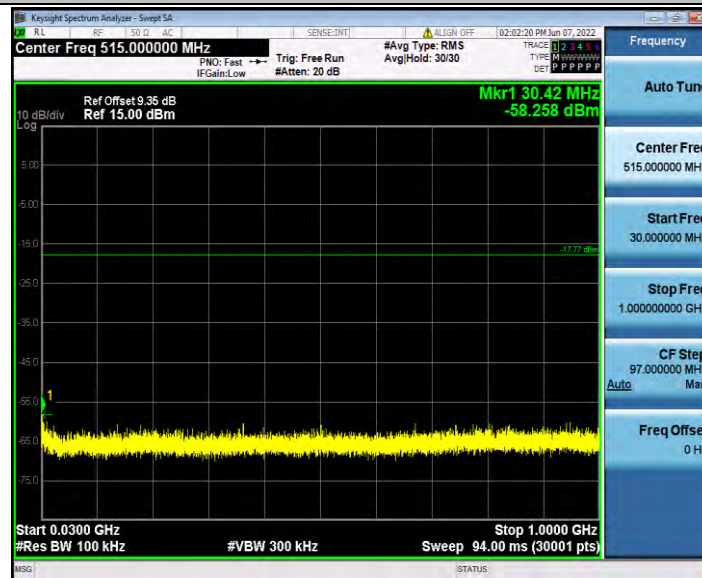
2DH1 Ant1 2441 1000~26500



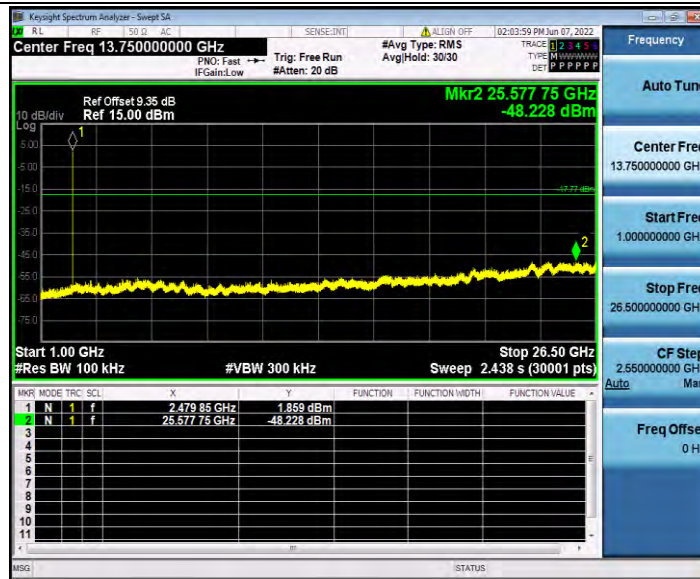
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



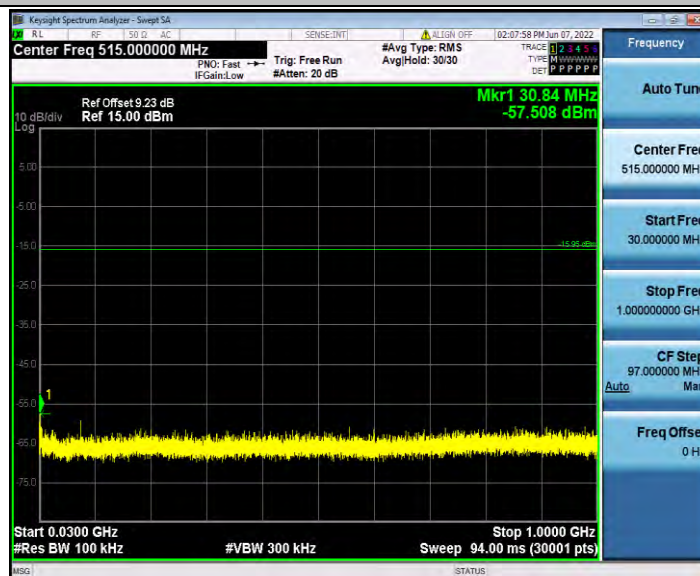
2DH1_Ant1_2480_1000~26500



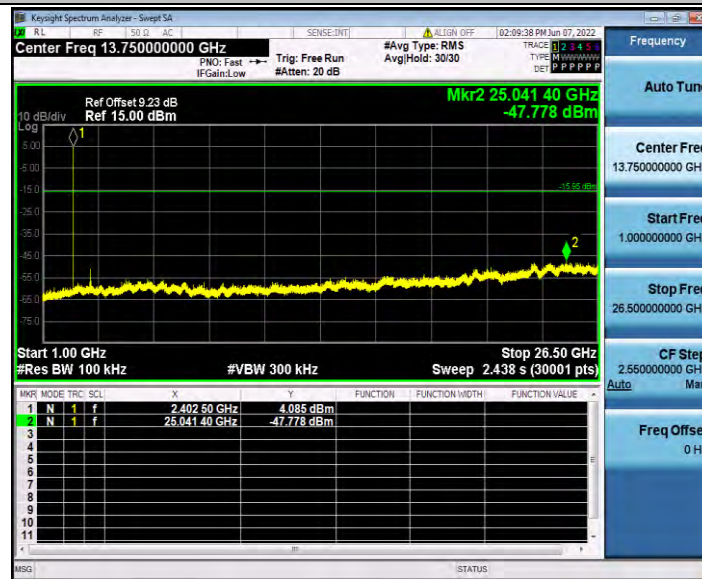
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



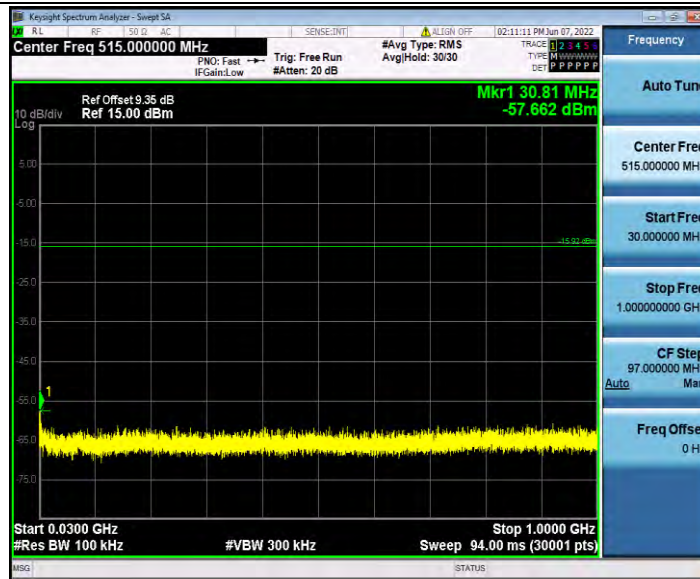
3DH1_Ant1_2402_1000~26500



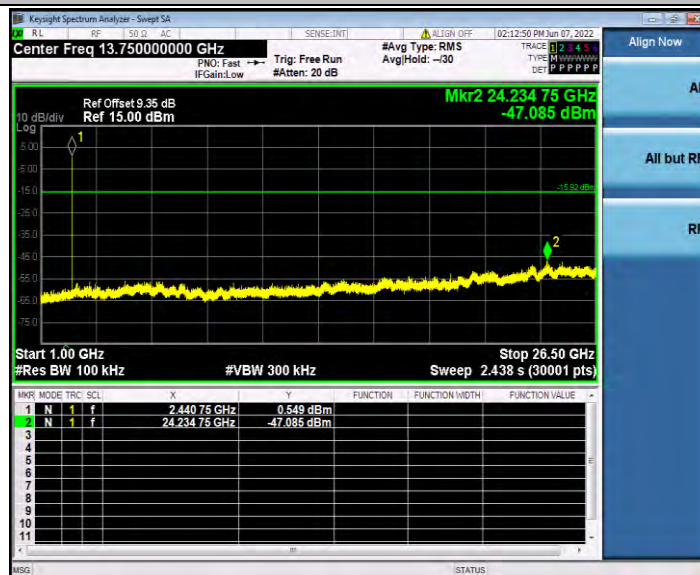
3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



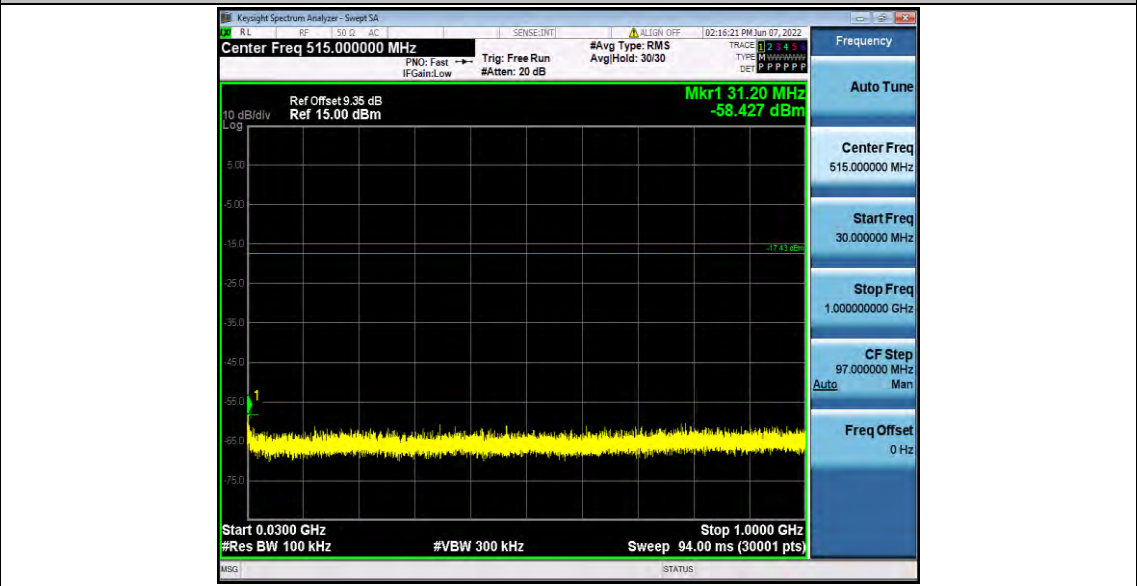
3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500

