

Case No. : <u>GTS20220517009-1</u>	
Ambient Condition: <u>22</u> °C, <u>45</u> %RH,	
Test Date: <u>2022/6/22</u>	Test Engineer: <u>Jenny Zeng</u>

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	0.882	2401.577	2402.459	---	---
		2441	0.858	2440.604	2441.462	---	---
		2480	0.879	2479.577	2480.456	---	---
2DH1	Ant1	2402	1.293	2401.367	2402.660	---	---
		2441	1.275	2440.361	2441.636	---	---
		2480	1.257	2479.394	2480.651	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_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	0.82549	2401.609	2402.435	---	---
		2441	0.82184	2440.608	2441.430	---	---
		2480	0.82475	2479.610	2480.435	---	---
2DH1	Ant1	2402	1.1741	2401.432	2402.606	---	---
		2441	1.1683	2440.434	2441.603	---	---
		2480	1.1699	2479.434	2480.604	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480



Appendix A.3: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.162	≥ 0.882	PASS
		Hop_2441	1.002	≥ 0.882	PASS
		Hop_2480	1.006	≥ 0.882	PASS
2DH1	Ant1	Hop_2402	1.010	≥ 0.862	PASS
		Hop_2441	0.976	≥ 0.862	PASS
		Hop_2480	0.984	≥ 0.862	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



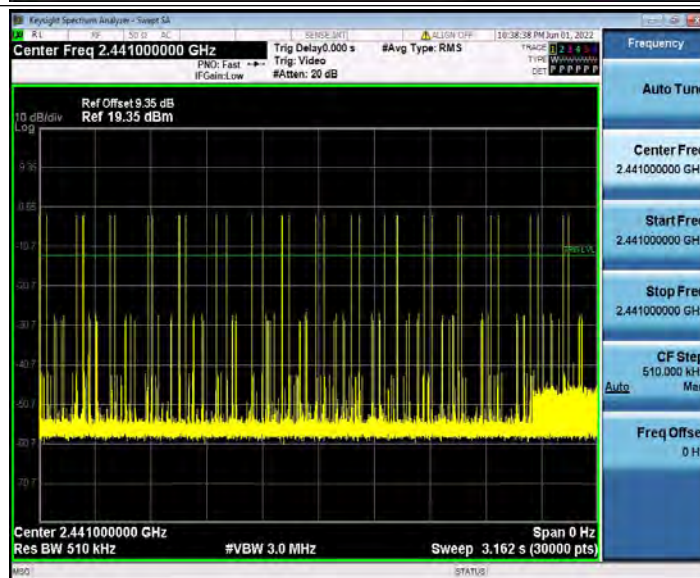
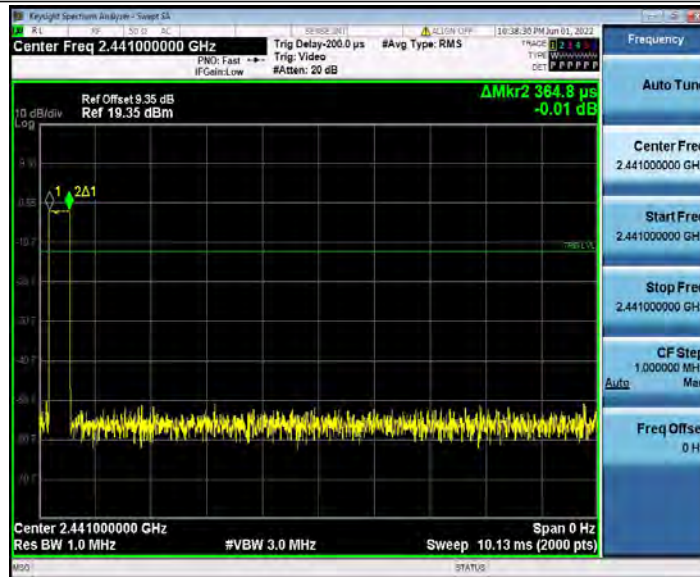
Appendix A.4: Time of occupancy

Test Result

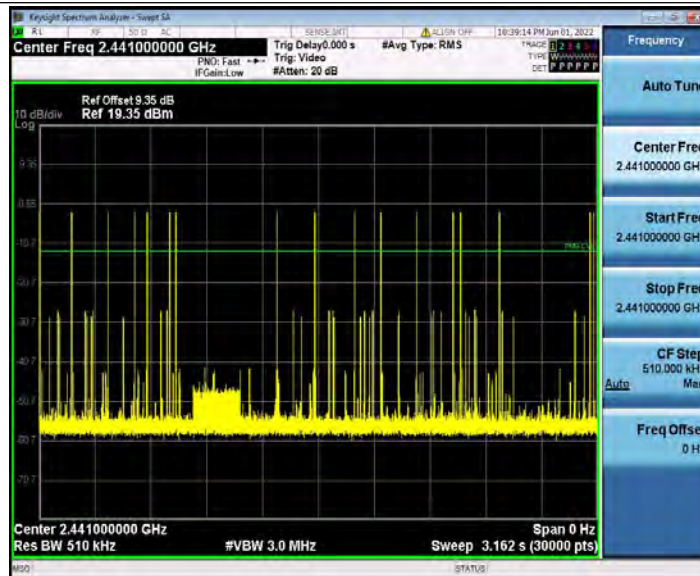
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.36	320	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.63	170	0.276	≤0.4	PASS
DH5	Ant1	Hop	2.87	100	0.287	≤0.4	PASS
2DH1	Ant1	Hop	0.37	330	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.63	140	0.228	≤0.4	PASS
2DH5	Ant1	Hop	2.88	50	0.144	≤0.4	PASS

Test Graphs

DH1_Ant1_Hop

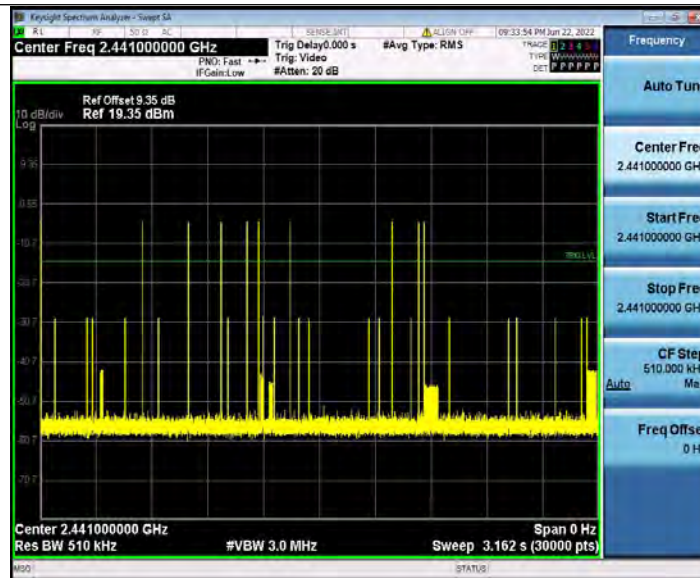


DH3_Ant1_Hop

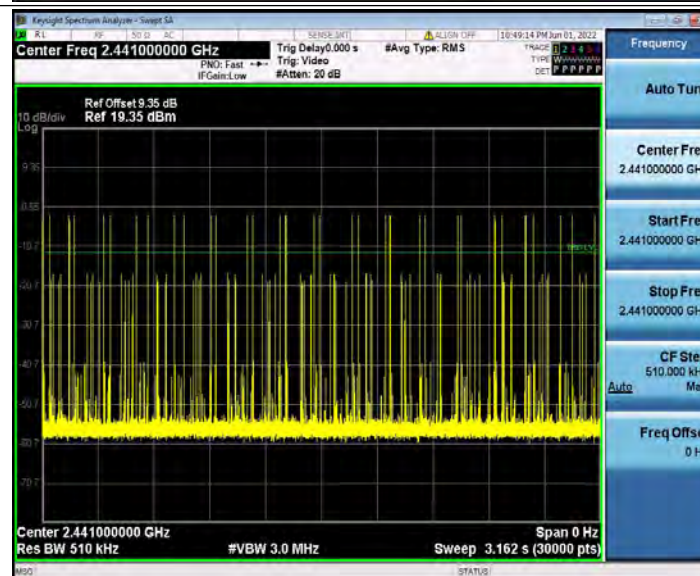
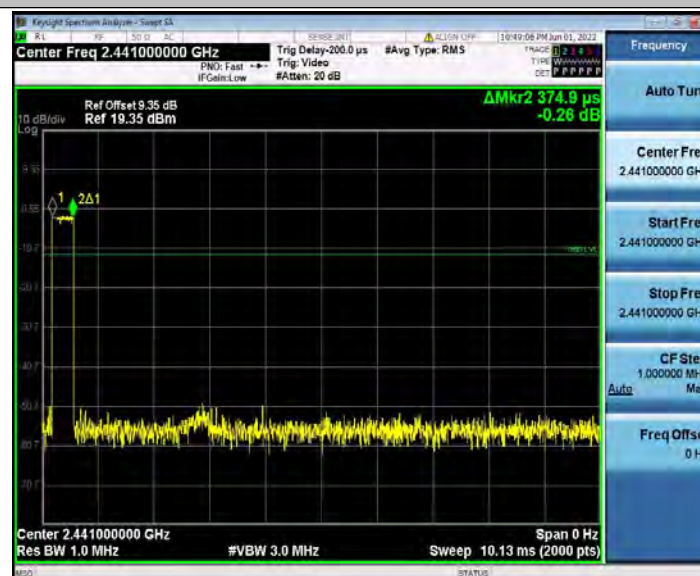


DH5_Ant1_Hop

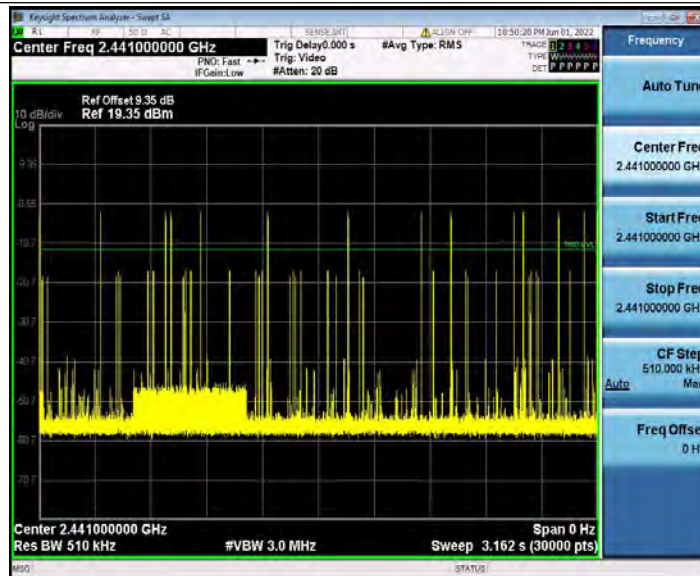




2DH1_Ant1_Hop

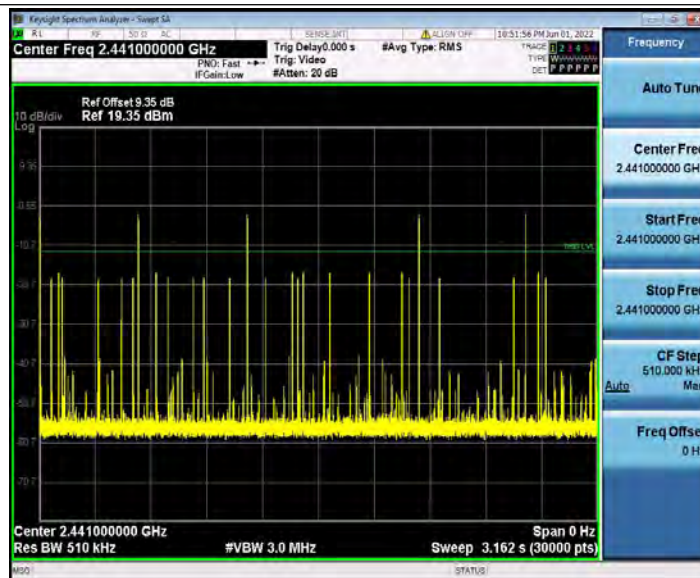


2DH3_Ant1_Hop



2DH5_Ant1_Hop





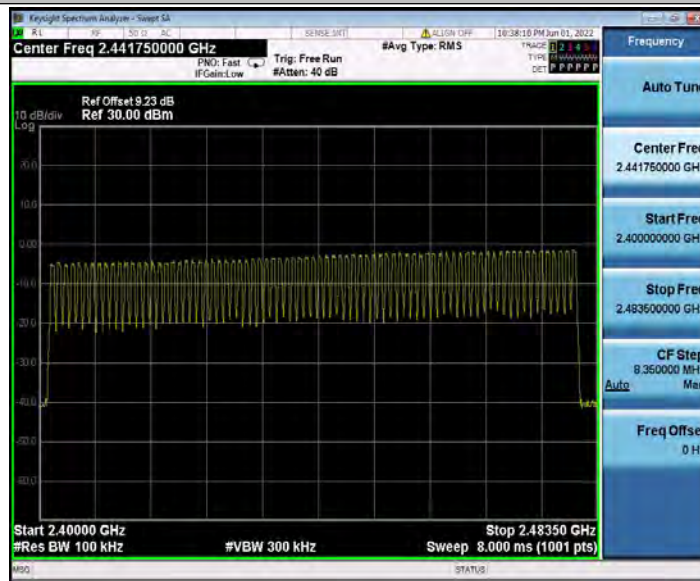
Appendix A.5: Number of hopping channels

Test Result

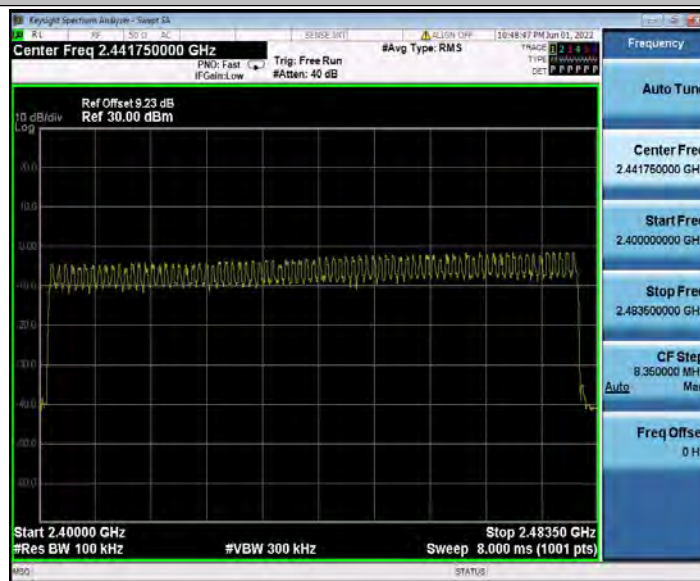
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

DH1_Ant1_Hop



2DH1_Ant1_Hop



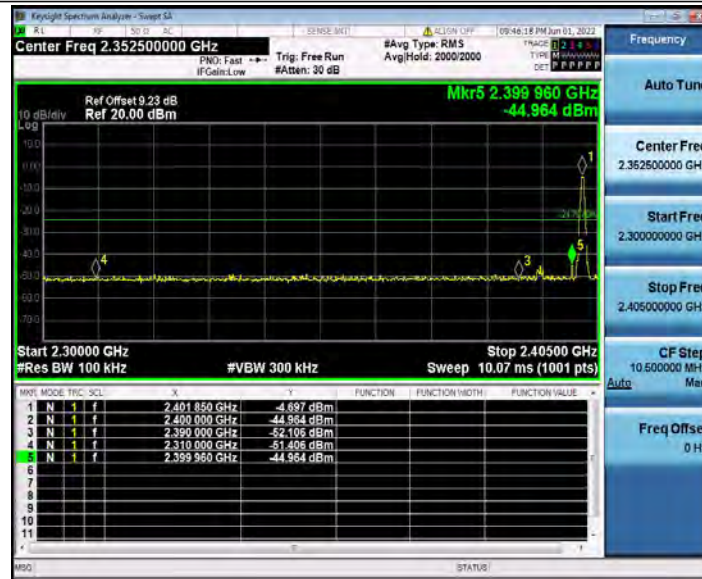
Appendix A.6: Band edge measurements

Test Result

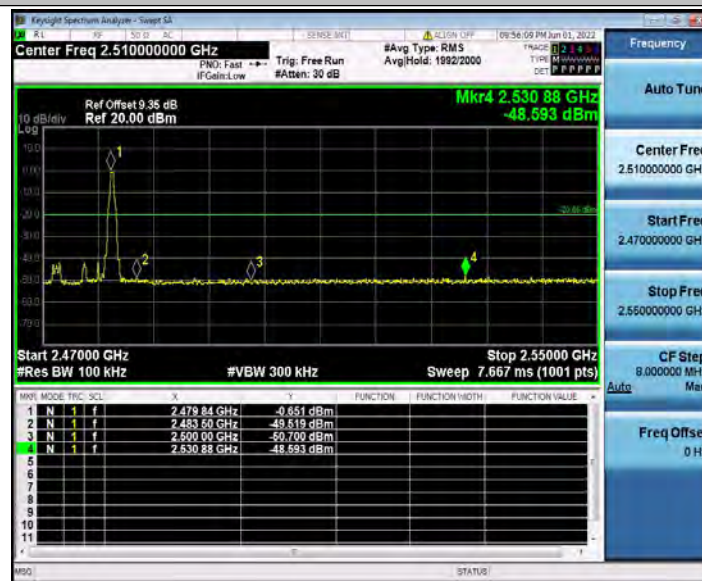
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	-4.70	-44.96	≤ -24.7	PASS
		High	2480	-0.65	-48.59	≤ -20.65	PASS
		Low	Hop_2402	-4.85	-49.1	≤ -24.85	PASS
		High	Hop_2480	-1.43	-48.7	≤ -21.43	PASS
2DH1	Ant1	Low	2402	-4.83	-45.11	≤ -24.83	PASS
		High	2480	-0.52	-48.08	≤ -20.52	PASS
		Low	Hop_2402	-5.64	-49.34	≤ -25.64	PASS
		High	Hop_2480	-1.49	-48.4	≤ -21.49	PASS

Test Graphs

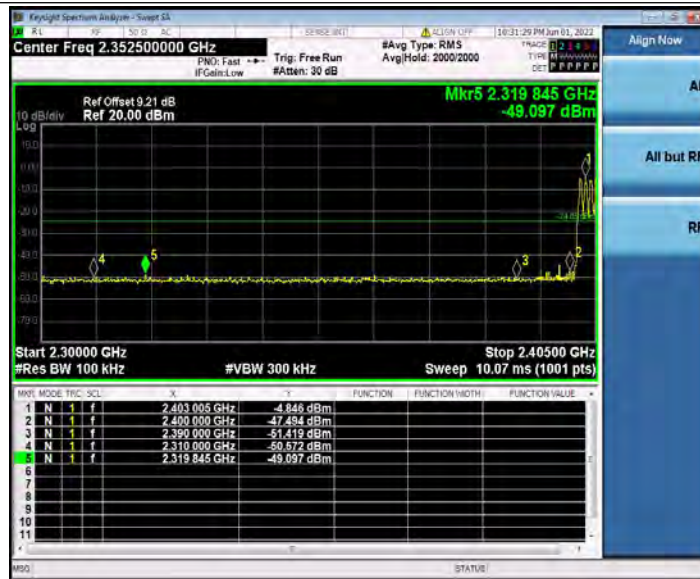
DH1_Ant1_Low_2402



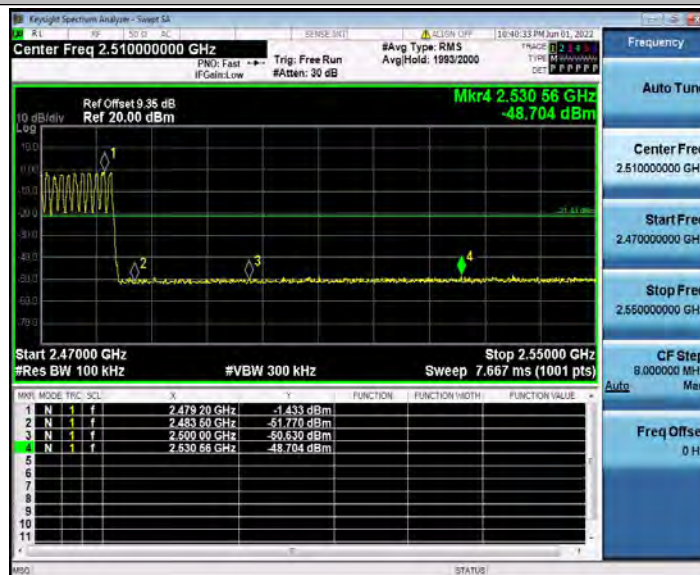
DH1_Ant1_High_2480



DH1_Ant1_Low_Hop_2402



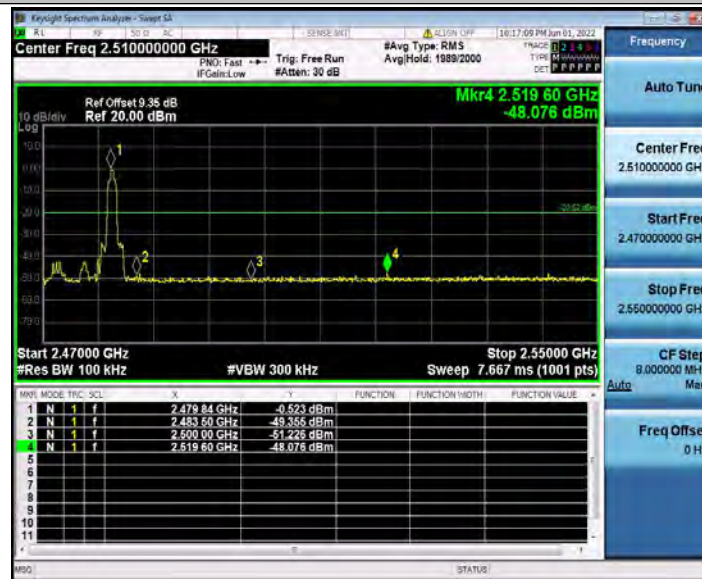
DH1_Ant1_High_Hop_2480



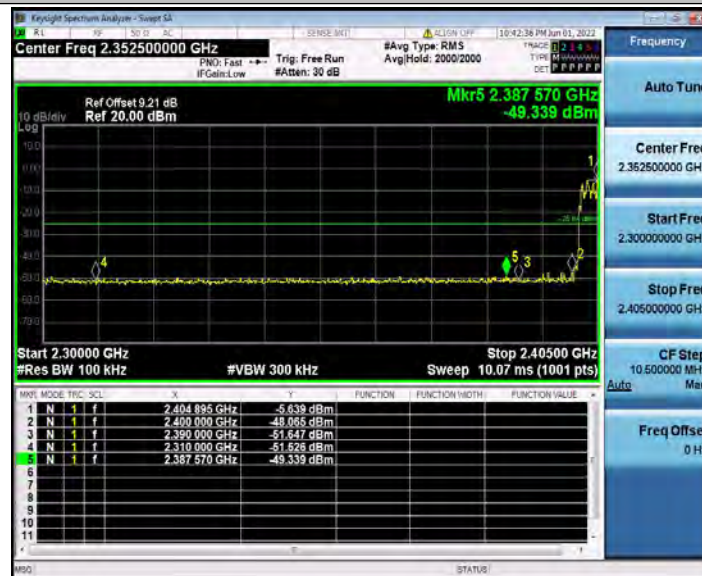
2DH1_Ant1_Low_2402



2DH1_Ant1_High_2480



2DH1_Ant1_Low_Hop_2402



2DH1_Ant1_High_Hop_2480



Appendix A.7: Conducted Spurious Emission

Test Result

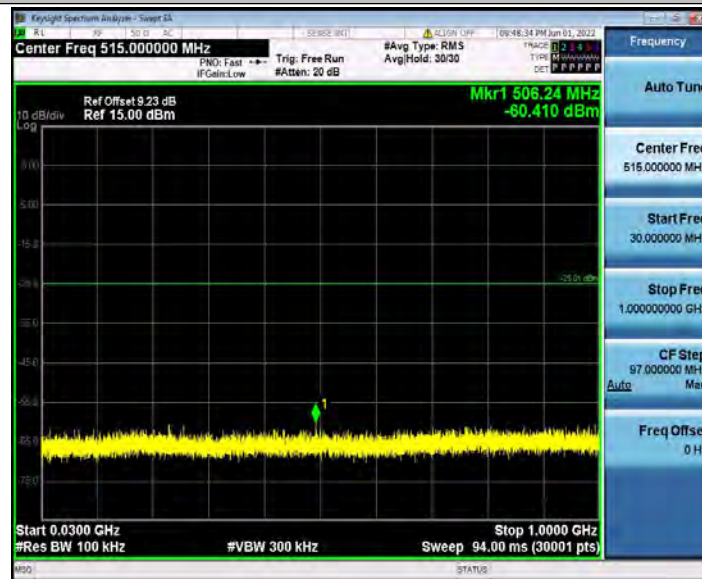
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	-5.01	-5.01	---	PASS
			30~1000	-5.01	-60.41	≤-25.01	PASS
			1000~26500	-5.01	-47.83	≤-25.01	PASS
		2441	Reference	-3.09	-3.09	---	PASS
			30~1000	-3.09	-60.55	≤-23.09	PASS
			1000~26500	-3.09	-40.46	≤-23.09	PASS
		2480	Reference	-1.26	-1.26	---	PASS
			30~1000	-1.26	-59.76	≤-21.26	PASS
			1000~26500	-1.26	-44.78	≤-21.26	PASS
2DH1	Ant1	2402	Reference	-5.37	-5.37	---	PASS
			30~1000	-5.37	-60.22	≤-25.37	PASS
			1000~26500	-5.37	-47.74	≤-25.37	PASS
		2441	Reference	-2.49	-2.49	---	PASS
			30~1000	-2.49	-60.36	≤-22.49	PASS
			1000~26500	-2.49	-47.46	≤-22.49	PASS
		2480	Reference	-0.67	-0.67	---	PASS
			30~1000	-0.67	-60.3	≤-20.67	PASS
			1000~26500	-0.67	-47.38	≤-20.67	PASS

Test Graphs

DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



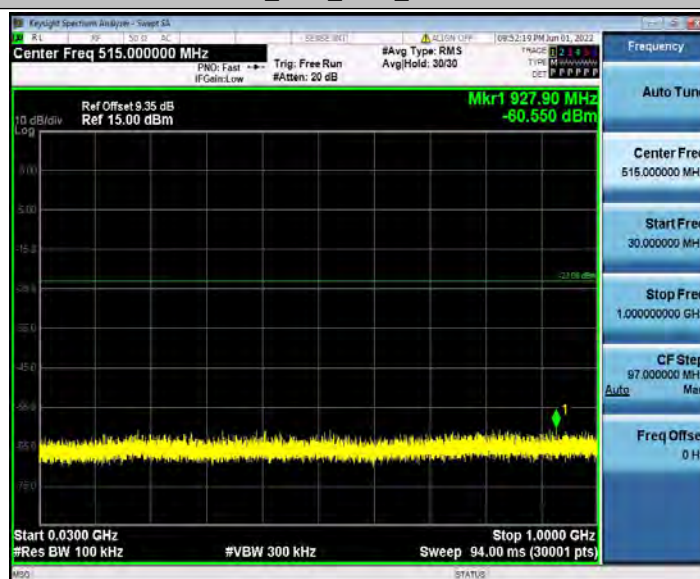
DH1_Ant1_2402_1000~26500



DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



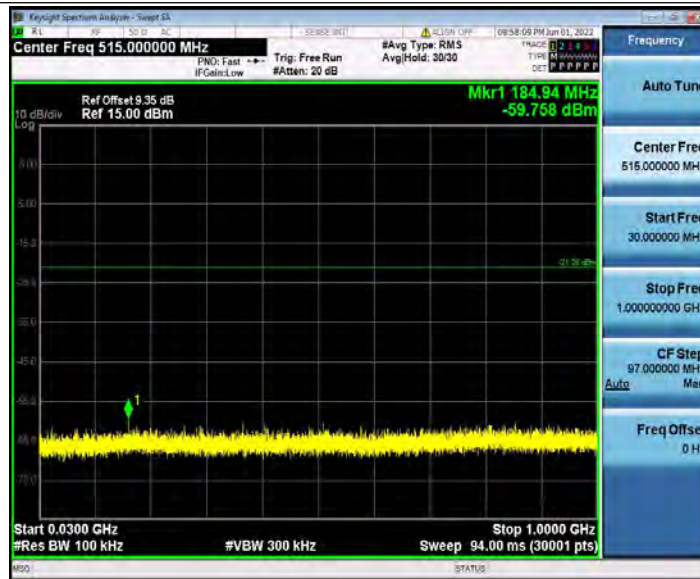
DH1_Ant1_2441_1000~26500



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



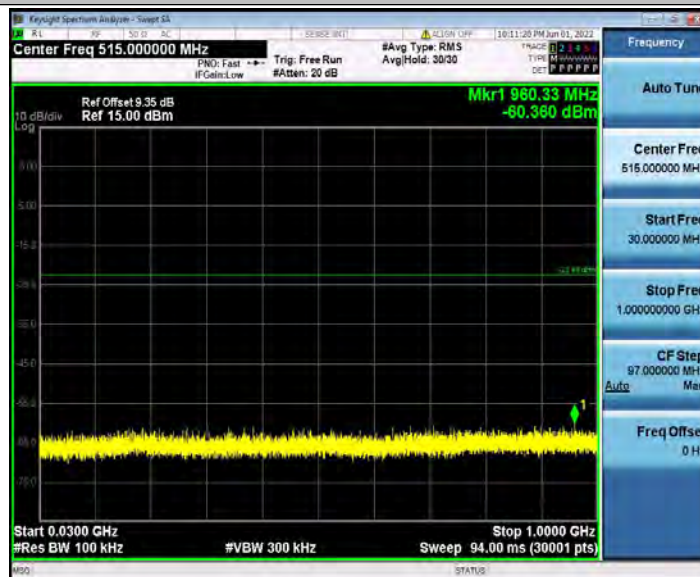
2DH1_Ant1_2402_1000~26500



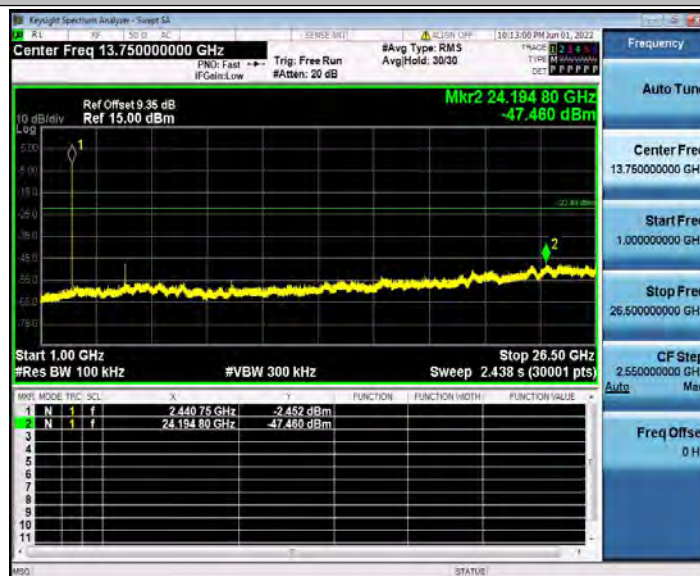
2DH1_Ant1_2441_0~Reference



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

