Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Wireless headphone

Trade Mark: N/A

Test Model: BH200

FCC ID: 2A2QG-BH200

Environmental Conditions

Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

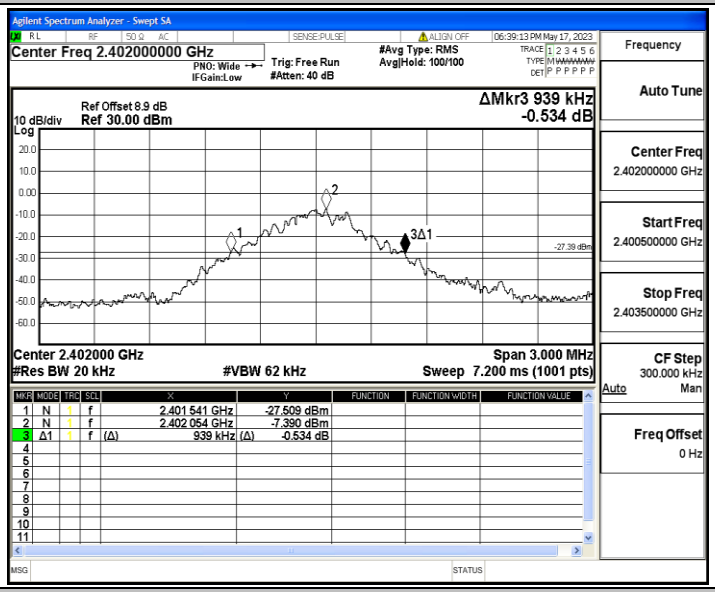
Appendix A: 20dB Emission Bandwidth

Test Result

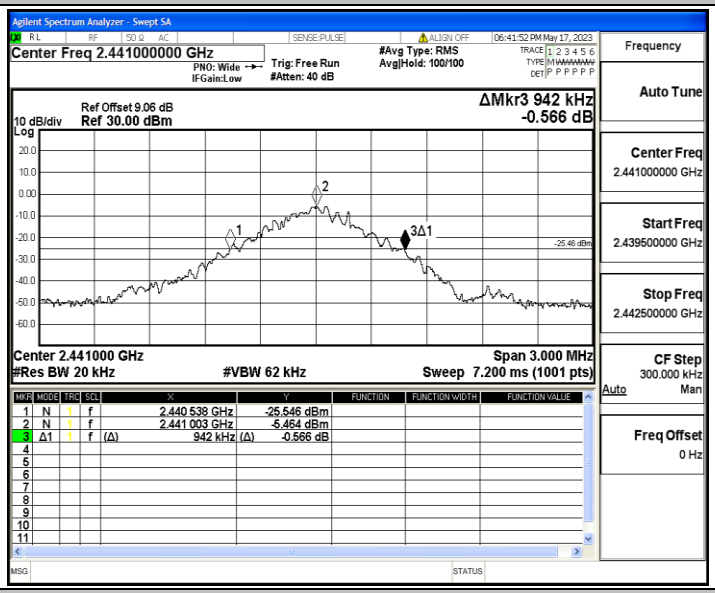
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.939	2401.541	2402.480	---	---
		2441	0.942	2440.538	2441.480	---	---
		2480	0.945	2479.538	2480.483	---	---
2DH5	Ant1	2402	1.347	2401.328	2402.675	---	---
		2441	1.236	2440.370	2441.606	---	---
		2480	1.239	2479.367	2480.606	---	---
3DH5	Ant1	2402	1.260	2401.355	2402.615	---	---
		2441	1.257	2440.355	2441.612	---	---
		2480	1.257	2479.355	2480.612	---	---

Test Graphs

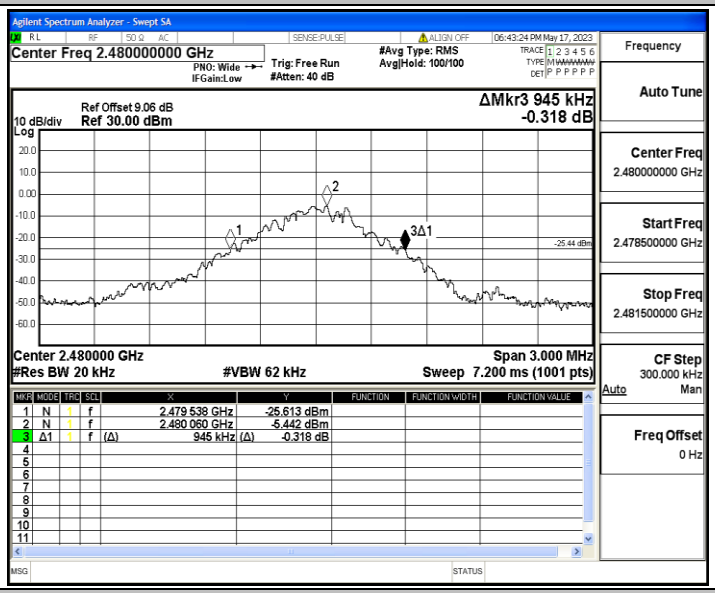
DH5_Ant1_2402



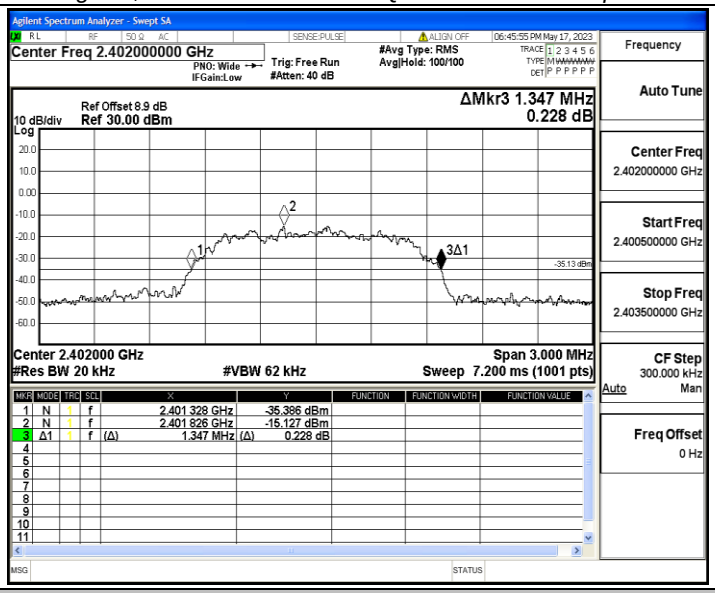
DH5_Ant1_2441



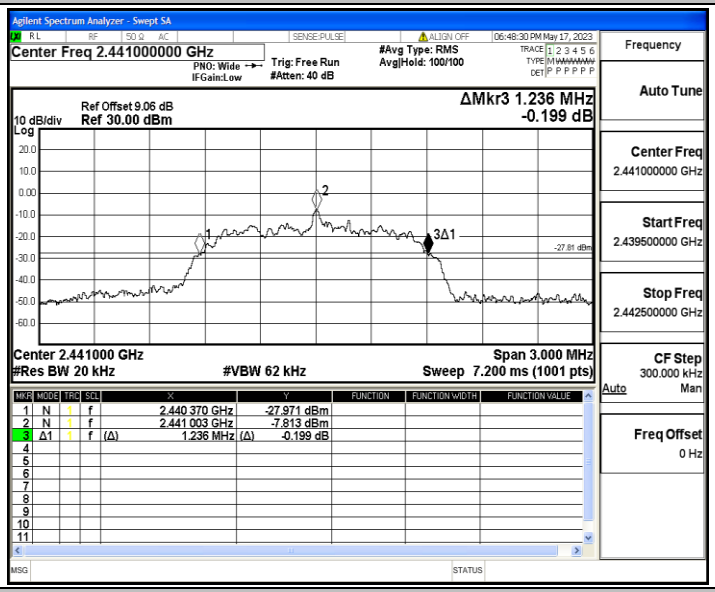
DH5_Ant1_2480



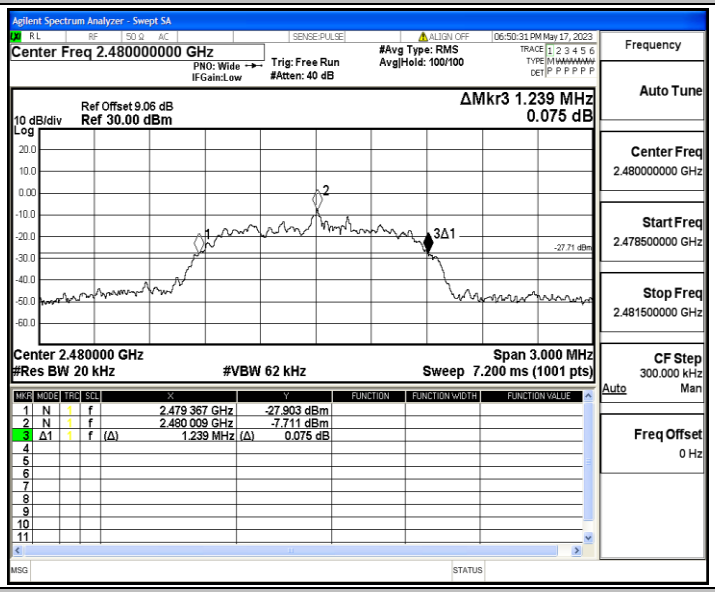
2DH5_Ant1_2402



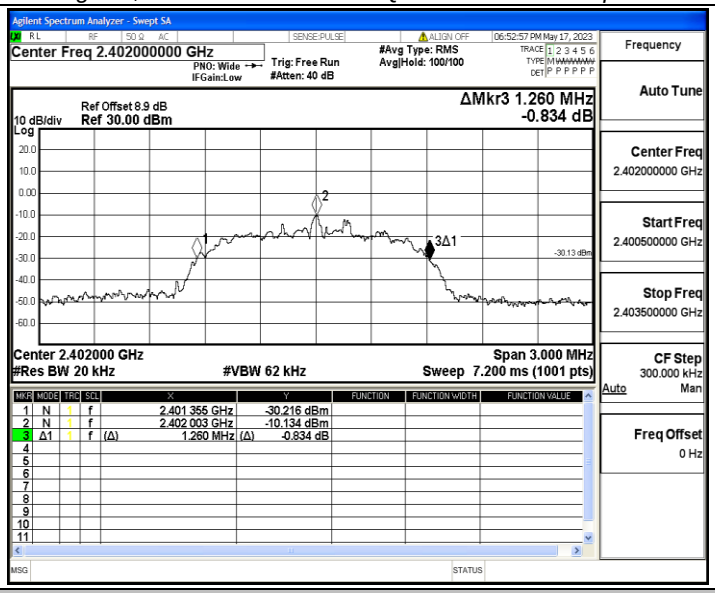
2DH5_Ant1_2441



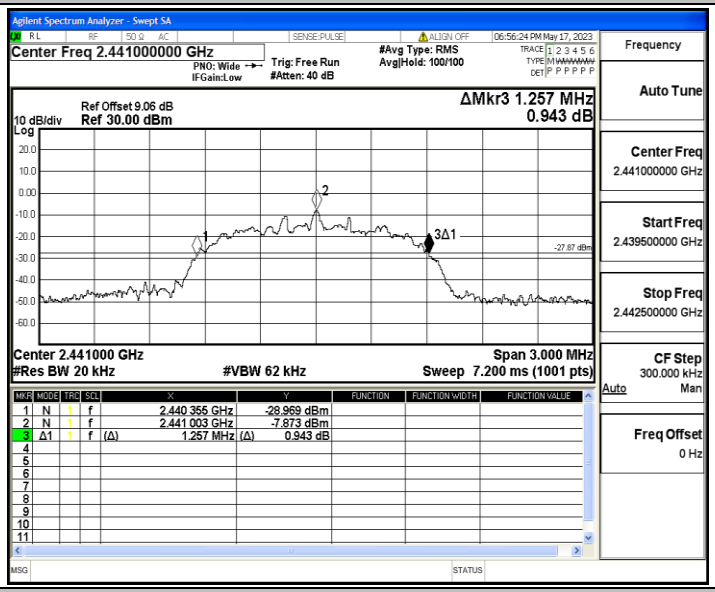
2DH5_Ant1_2480



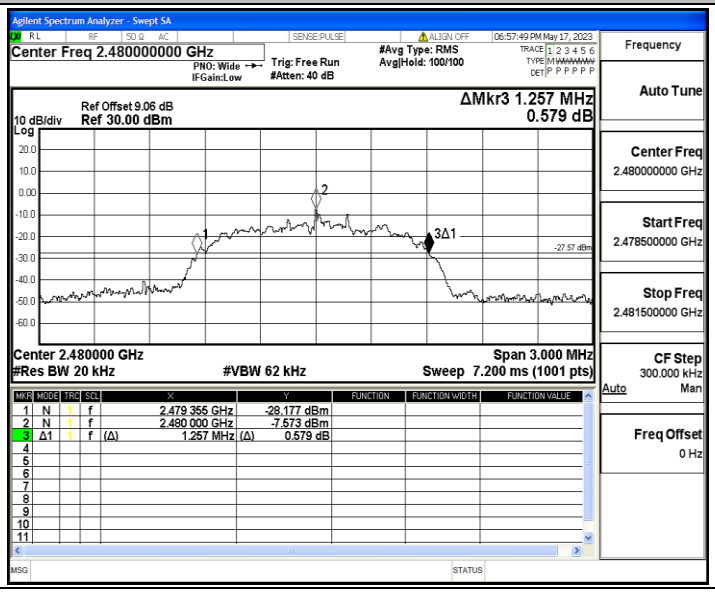
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



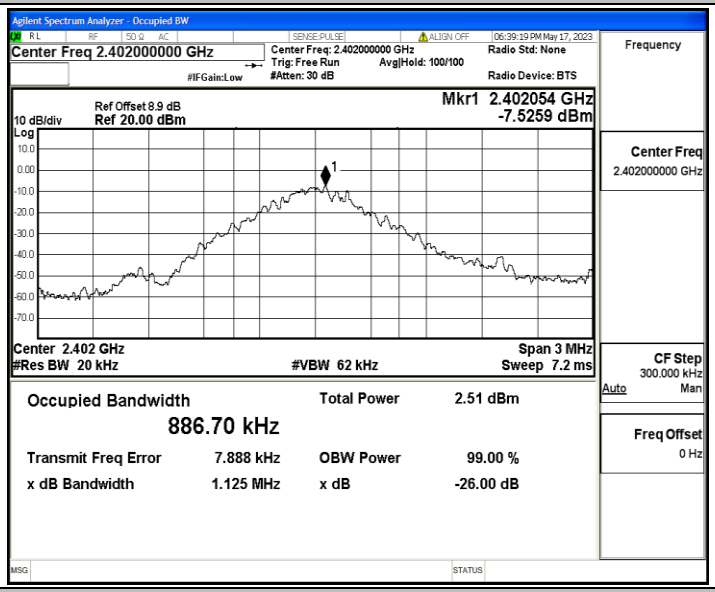
Appendix B: Occupied Channel Bandwidth

Test Result

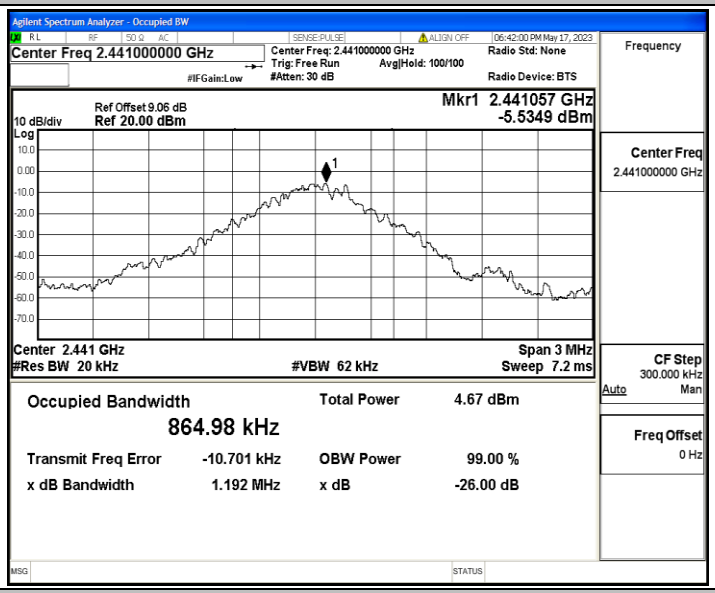
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88670	2401.5645	2402.4512	---	---
		2441	0.86498	2440.5568	2441.4218	---	---
		2480	0.86801	2479.5574	2480.4254	---	---
2DH5	Ant1	2402	1.1884	2401.3969	2402.5853	---	---
		2441	1.1882	2440.3995	2441.5877	---	---
		2480	1.1837	2479.4013	2480.5850	---	---
3DH5	Ant1	2402	1.1912	2401.3882	2402.5794	---	---
		2441	1.1863	2440.3937	2441.5800	---	---
		2480	1.1849	2479.3936	2480.5785	---	---

Test Graphs

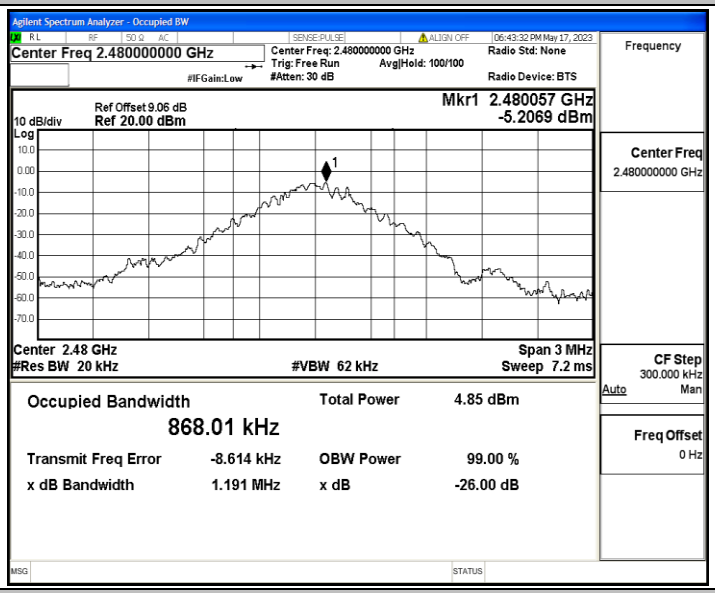
DH5_Ant1_2402



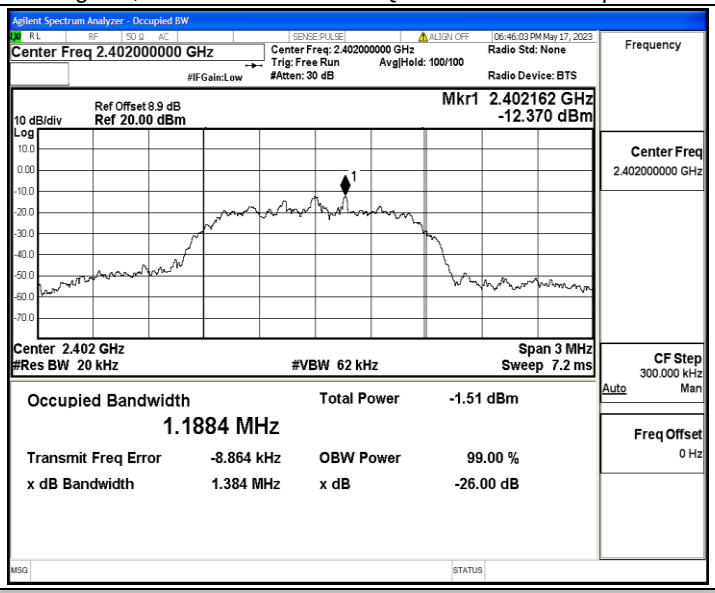
DH5_Ant1_2441



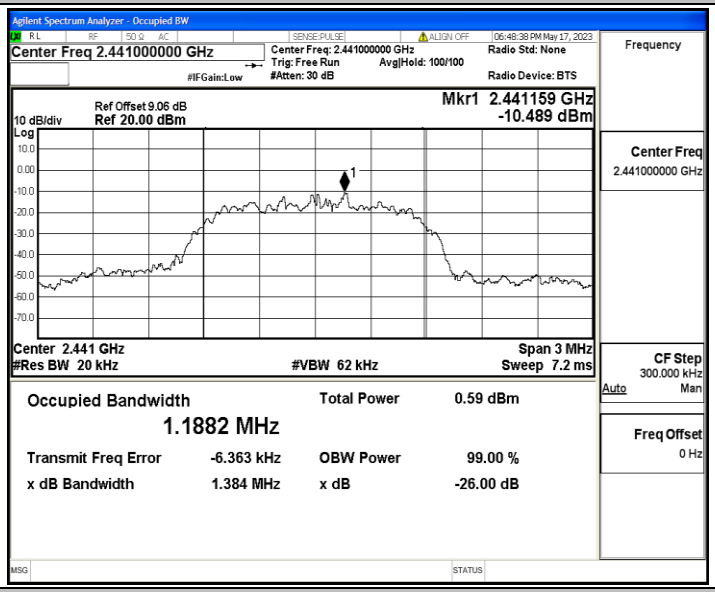
DH5_Ant1_2480



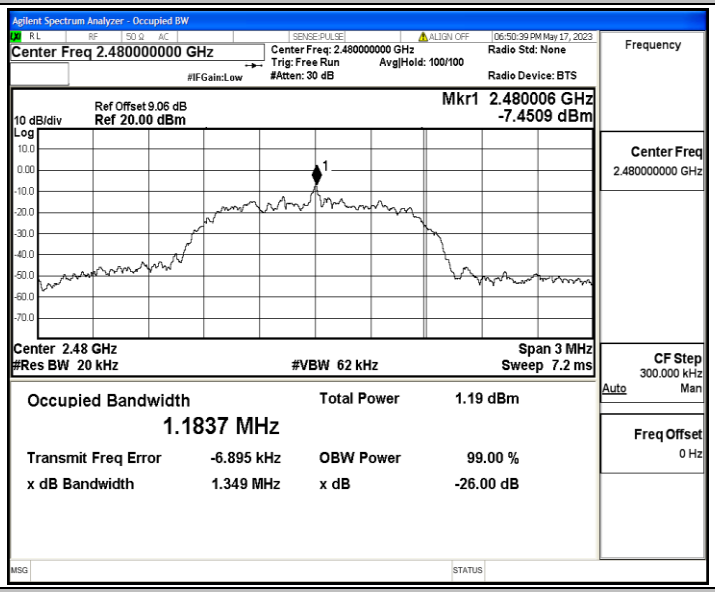
2DH5_Ant1_2402



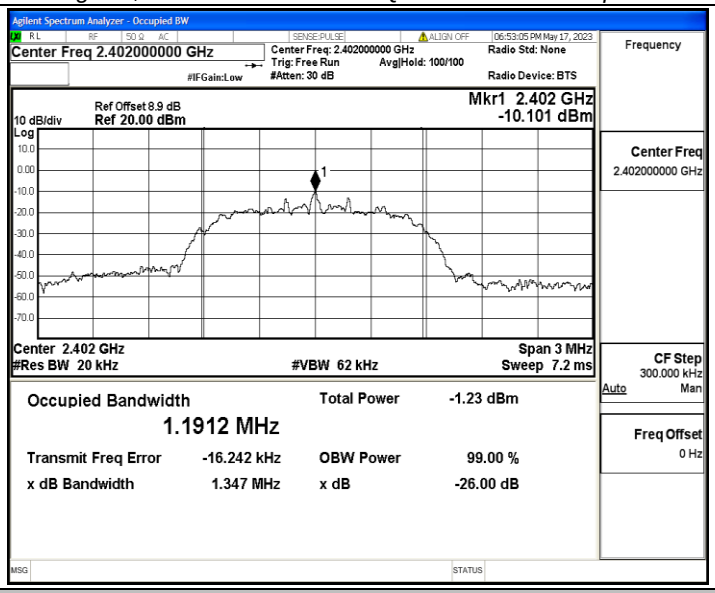
2DH5_Ant1_2441



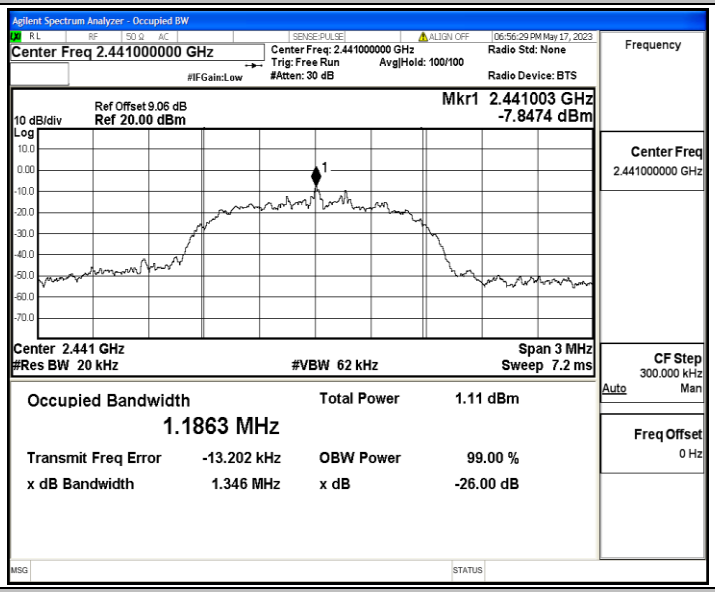
2DH5_Ant1_2480



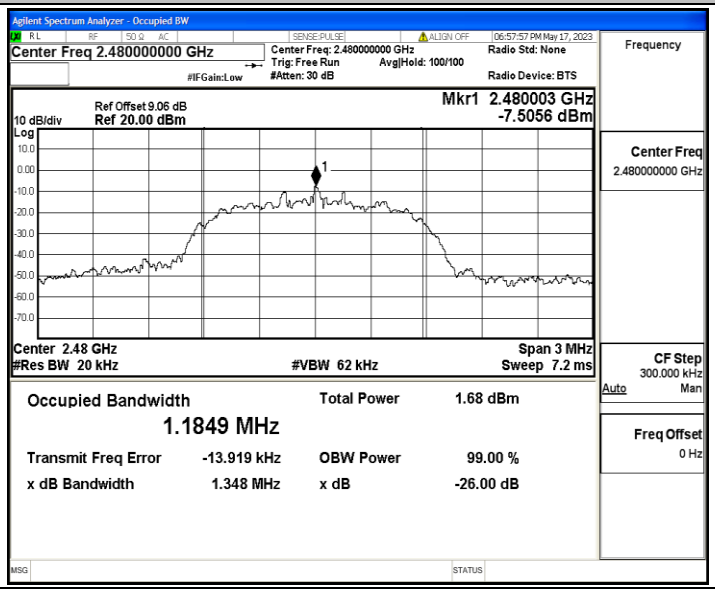
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



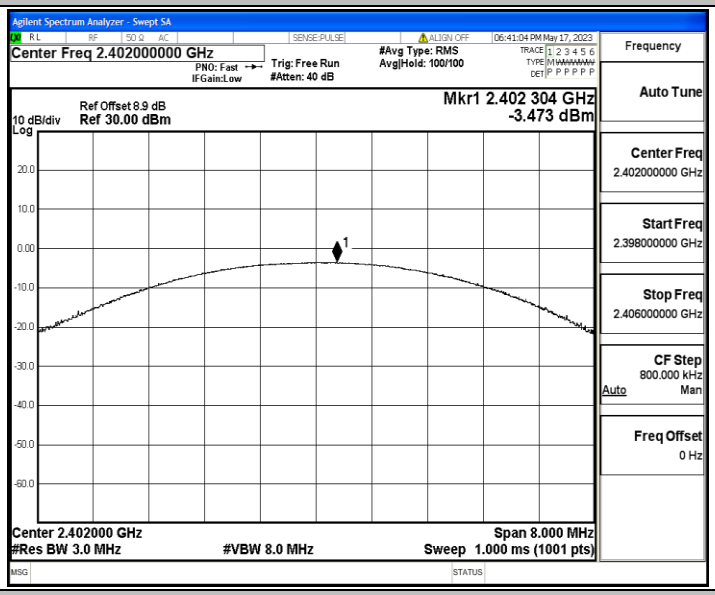
Appendix C: Maximum Peak conducted output power

Test Result

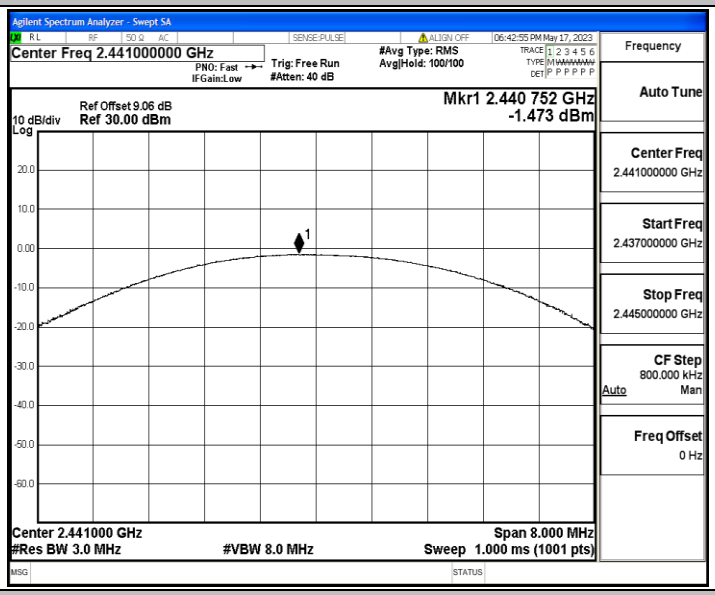
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-3.47	≤30	PASS
		2441	-1.47	≤30	PASS
		2480	-1.29	≤30	PASS
2DH5	Ant1	2402	-5.78	≤20.97	PASS
		2441	-3.65	≤20.97	PASS
		2480	-3.41	≤20.97	PASS
3DH5	Ant1	2402	-5.08	≤20.97	PASS
		2441	-3.3	≤20.97	PASS
		2480	-2.93	≤20.97	PASS

Test Graphs

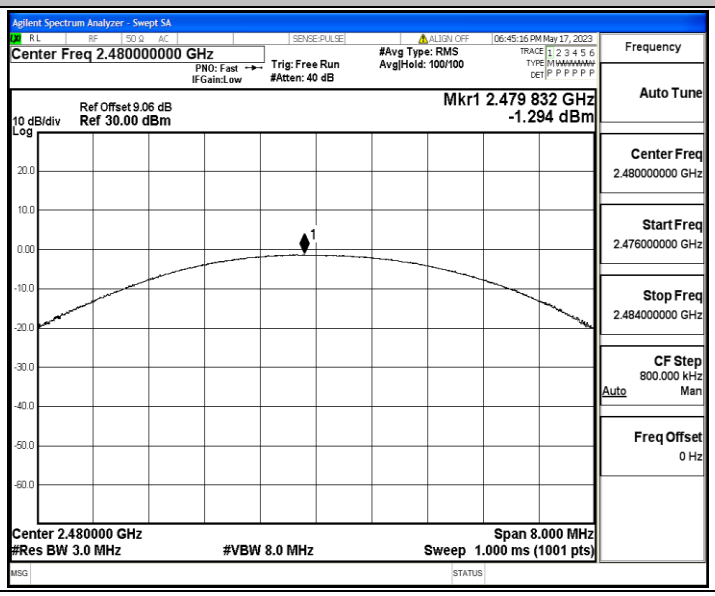
DH5_Ant1_2402



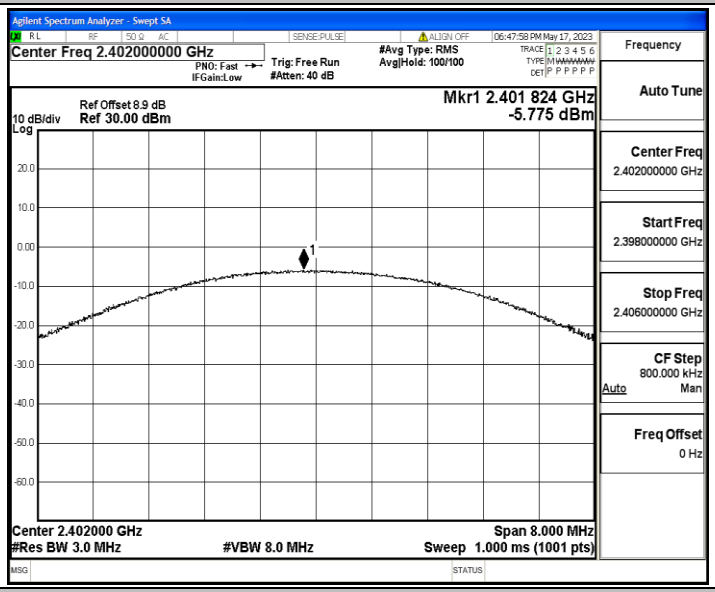
DH5_Ant1_2441



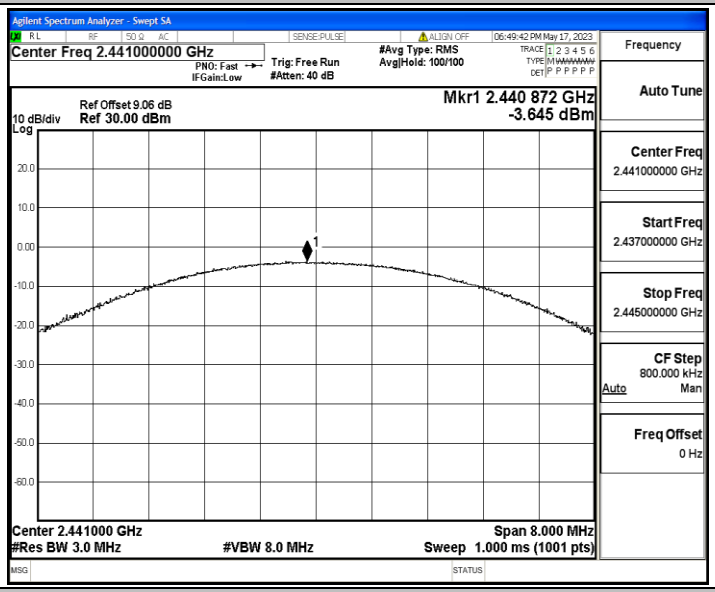
DH5_Ant1_2480



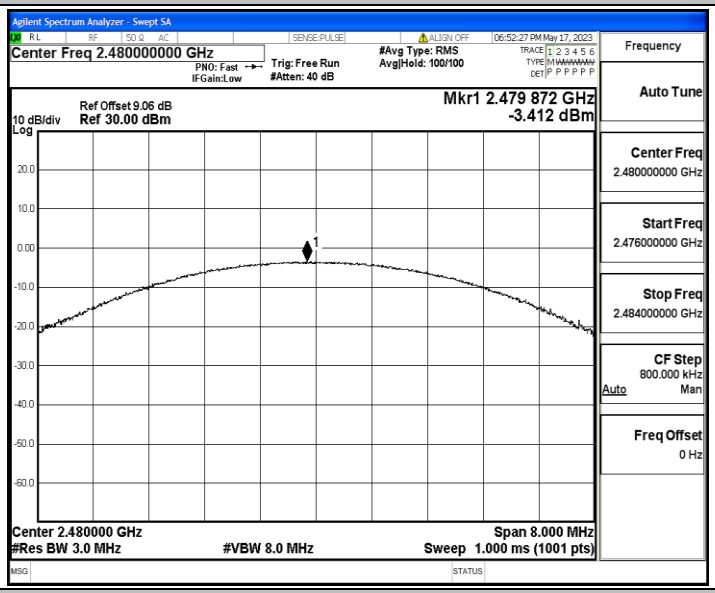
2DH5_Ant1_2402



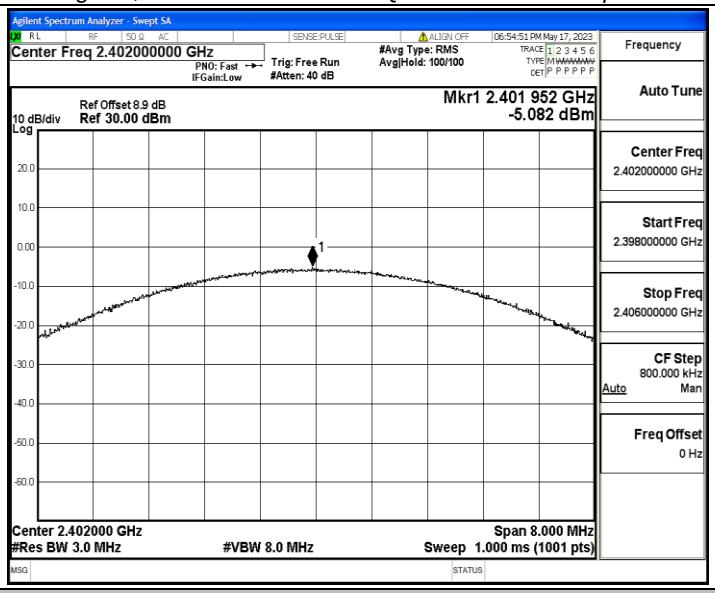
2DH5_Ant1_2441



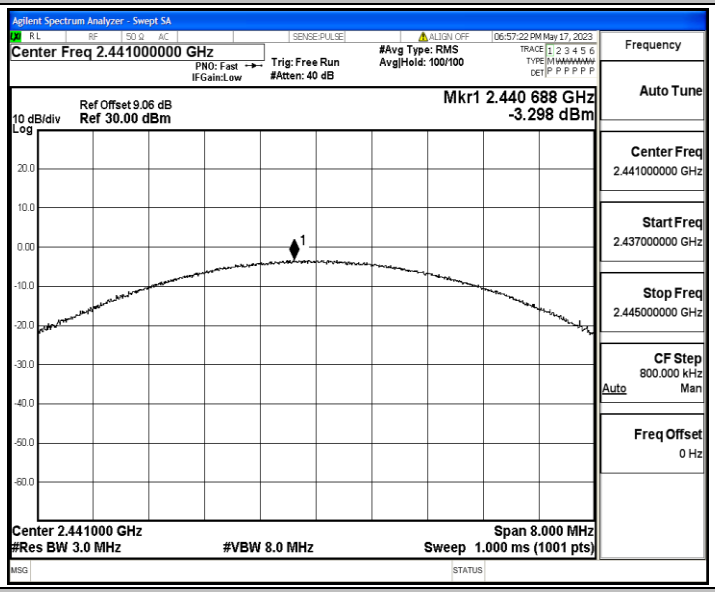
2DH5_Ant1_2480



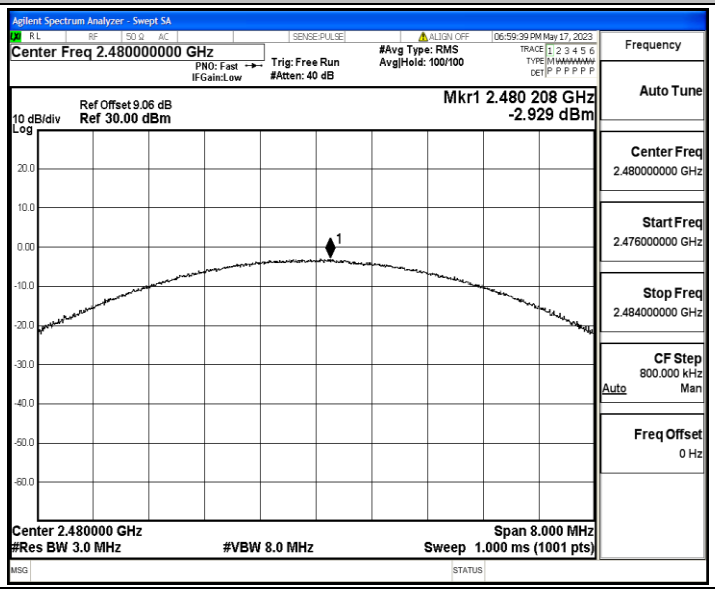
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



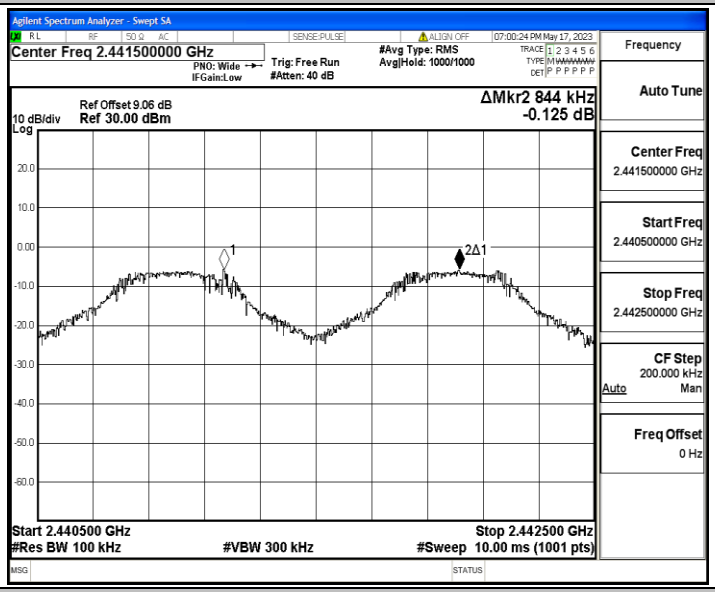
Appendix D: Carrier frequency separation

Test Result

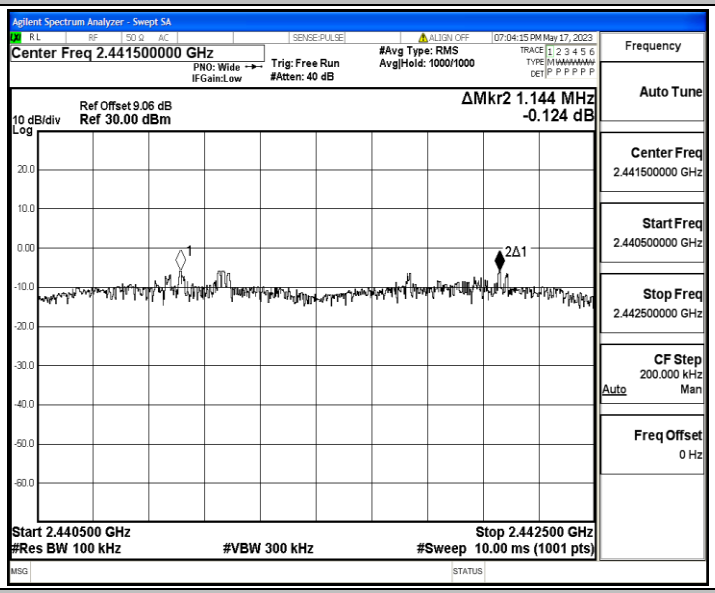
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.844	≥0.630	PASS
2DH5	Ant1	Hop	1.144	≥0.898	PASS
3DH5	Ant1	Hop	1.14	≥0.840	PASS

Test Graphs

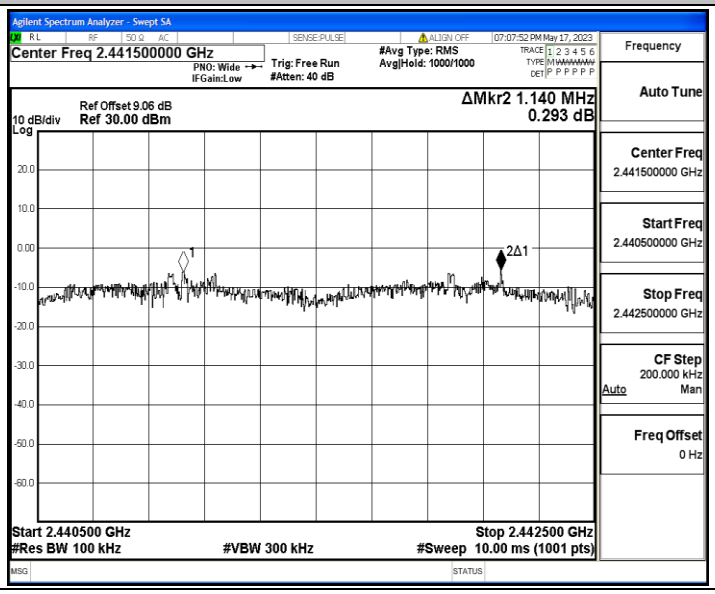
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

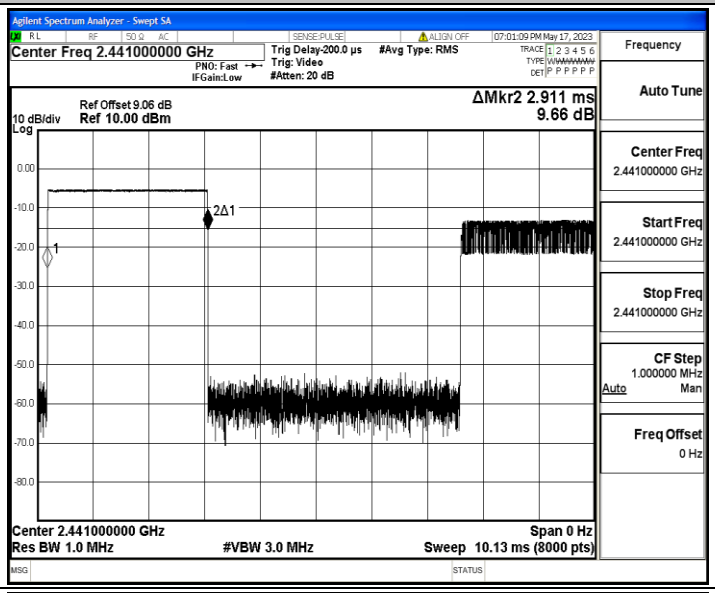
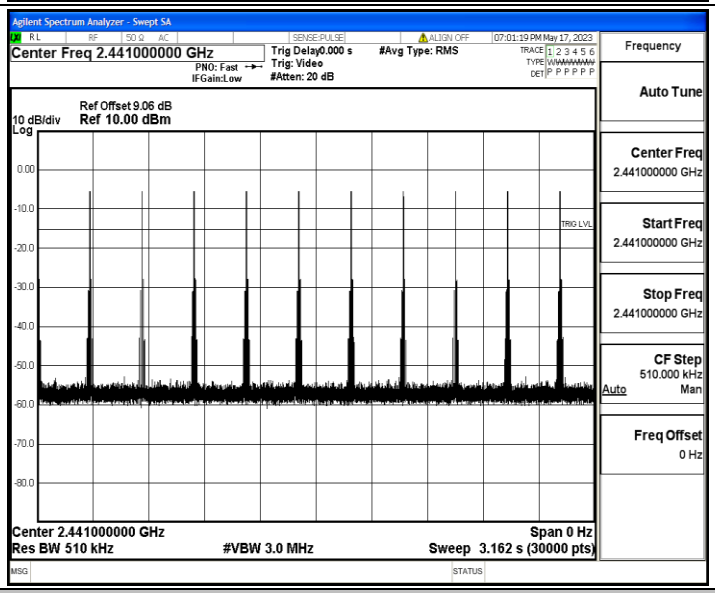
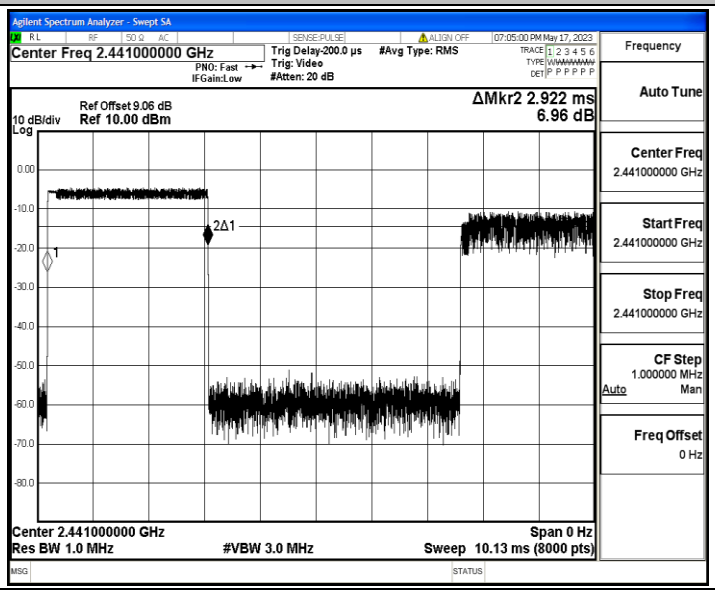


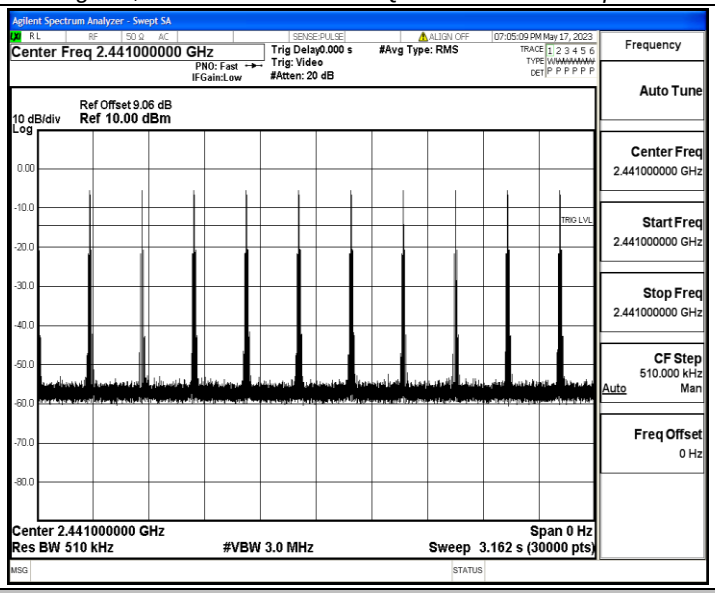
Appendix E: Time of occupancy

Test Result

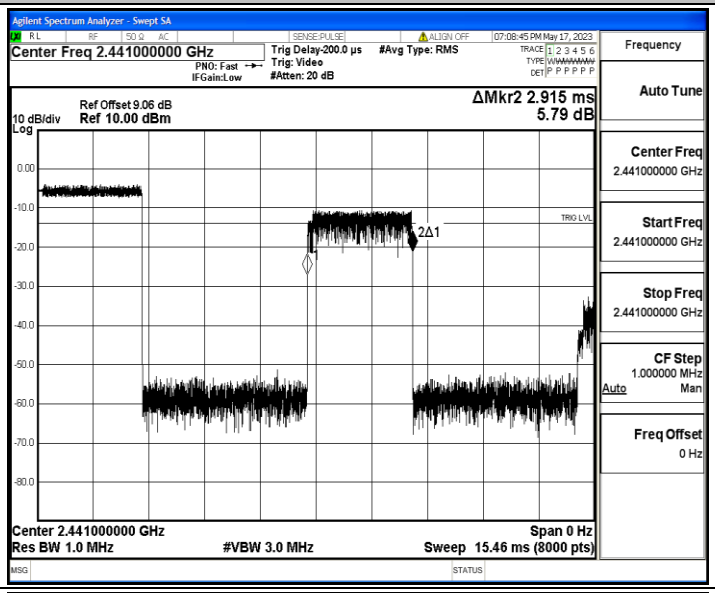
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.911	110	0.32	≤0.4	PASS
2DH5	Ant1	Hop	2.922	110	0.321	≤0.4	PASS
3DH5	Ant1	Hop	2.915	110	0.321	≤0.4	PASS

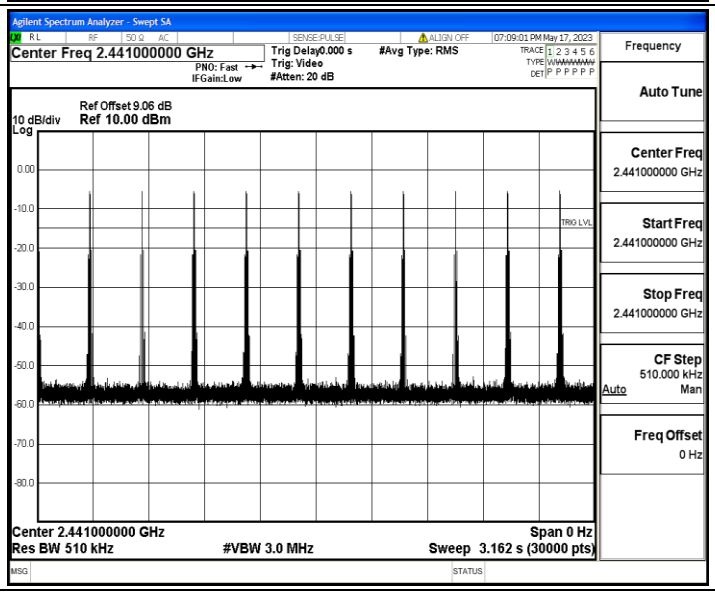
Test Graphs

DH5_Ant1_Hop


2DH5_Ant1_Hop




3DH5_Ant1_Hop





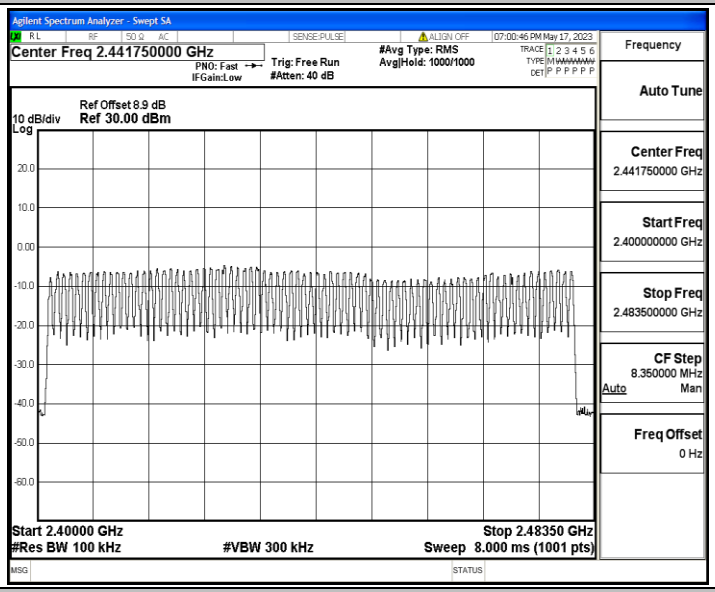
Appendix F: Number of hopping channels

Test Result

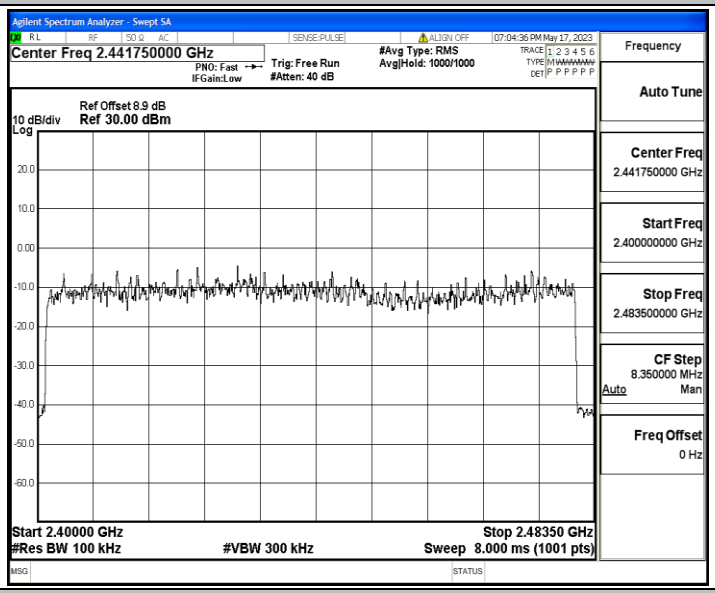
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

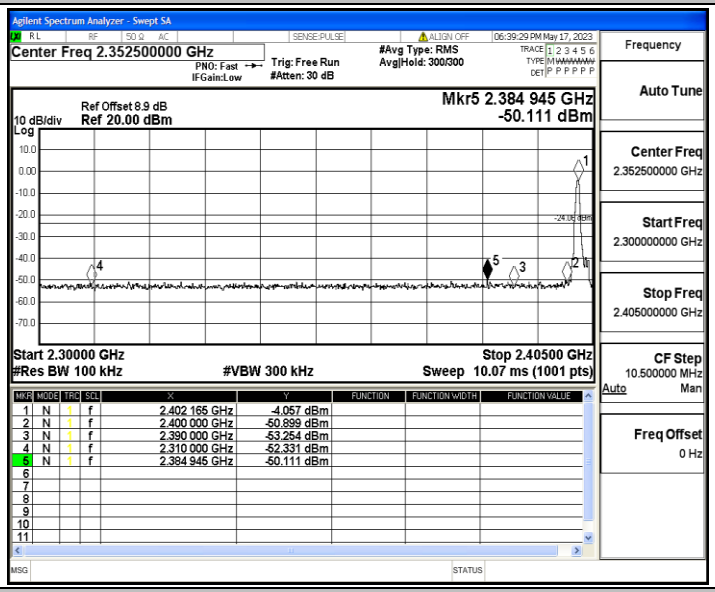
Appendix G: Band edge measurements

Test Result

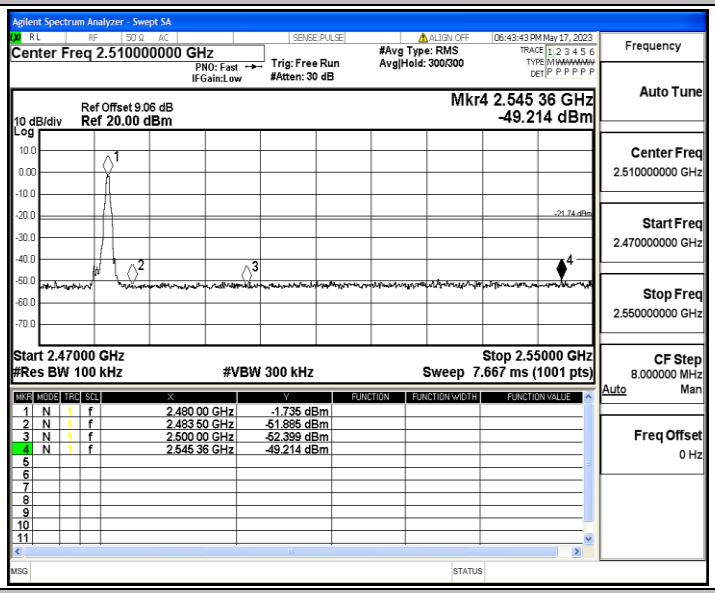
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.06	-50.11	≤-24.06	PASS
		High	2480	-1.74	-49.21	≤-21.74	PASS
		Low	Hop_2402	-6.50	-50.38	≤-26.5	PASS
		High	Hop_2480	-5.68	-46.93	≤-25.68	PASS
2DH5	Ant1	Low	2402	-7.64	-47.6	≤-27.64	PASS
		High	2480	-5.29	-48.74	≤-25.29	PASS
		Low	Hop_2402	-9.78	-49.69	≤-29.78	PASS
		High	Hop_2480	-8.86	-49.14	≤-28.86	PASS
3DH5	Ant1	Low	2402	-7.64	-46.89	≤-27.64	PASS
		High	2480	-5.08	-49.48	≤-25.08	PASS
		Low	Hop_2402	-9.08	-50.2	≤-29.08	PASS
		High	Hop_2480	-7.09	-47.2	≤-27.09	PASS

Test Graphs

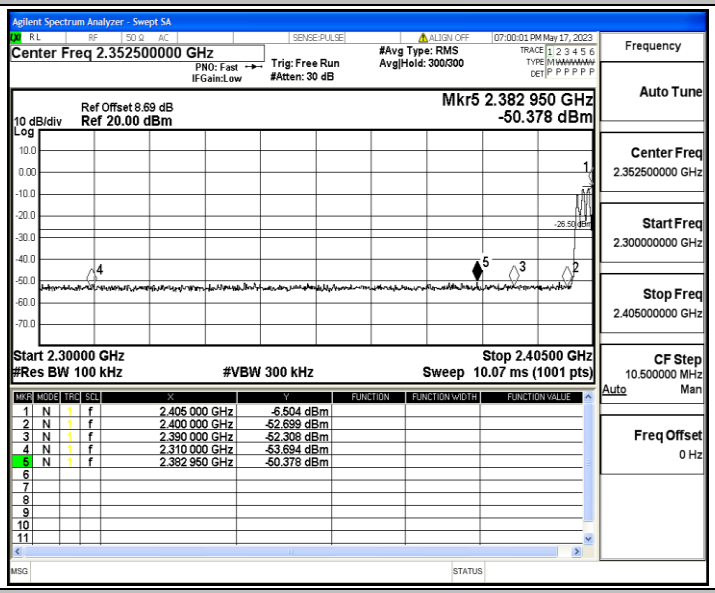
DH5_Ant1_Low_2402



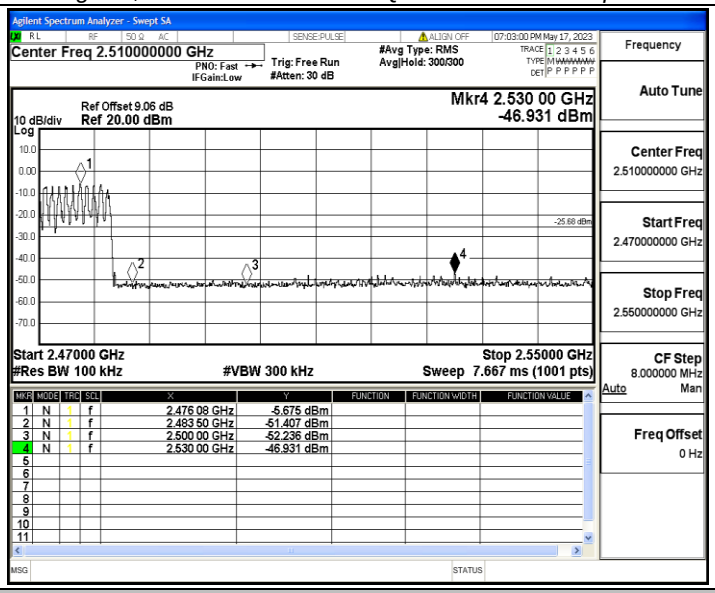
DH5_Ant1_High_2480



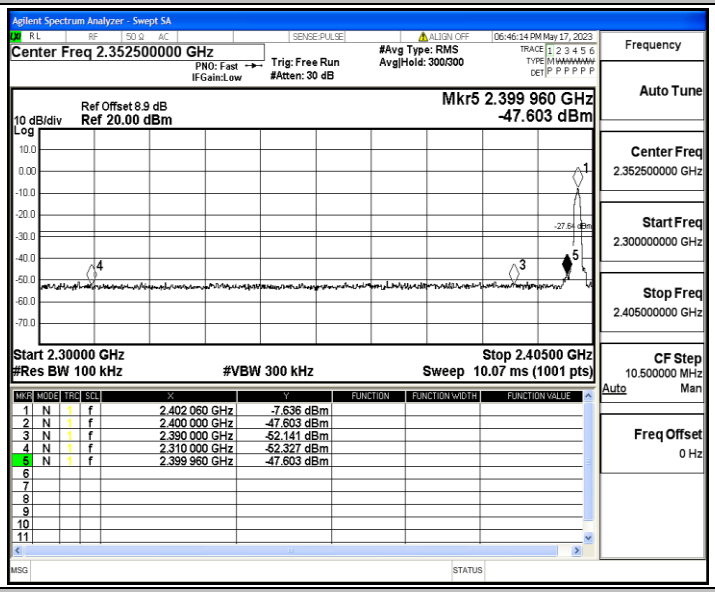
DH5_Ant1_Low_Hop_2402



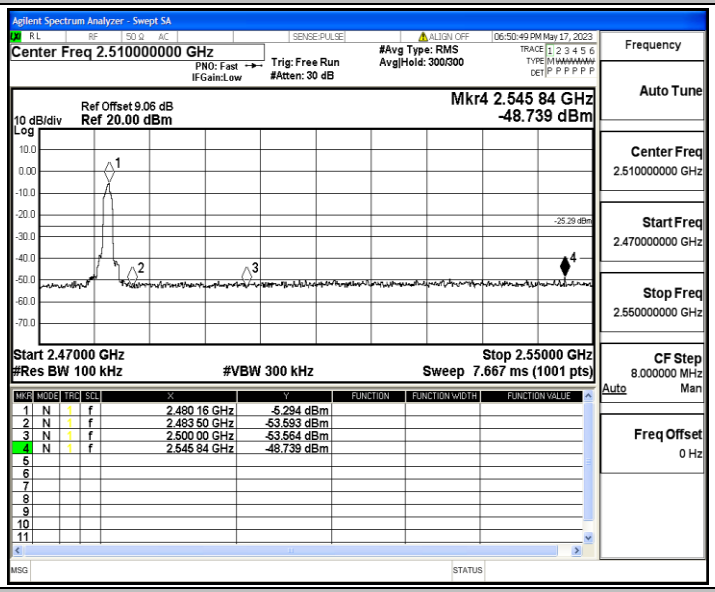
DH5_Ant1_High_Hop_2480



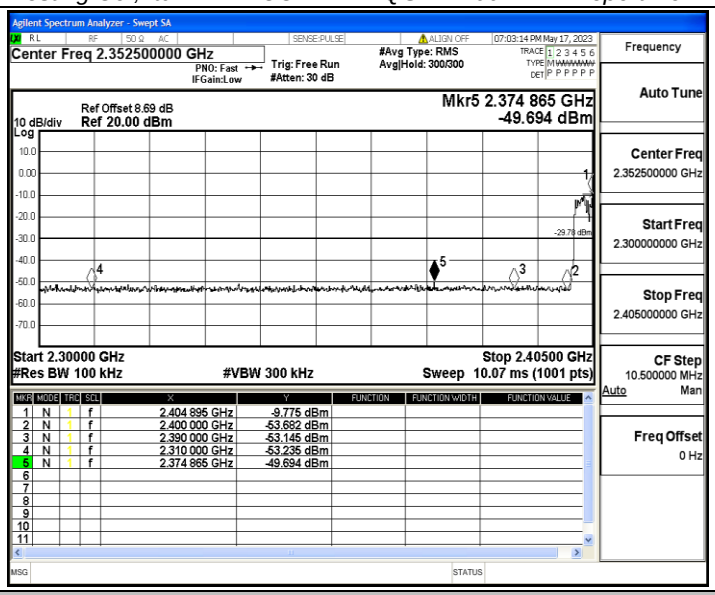
2DH5_Ant1_Low_2402



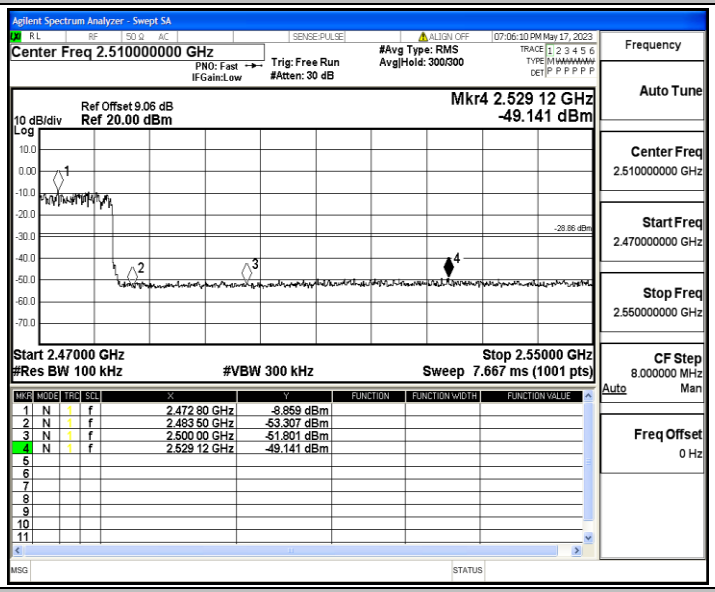
2DH5_Ant1_High_2480



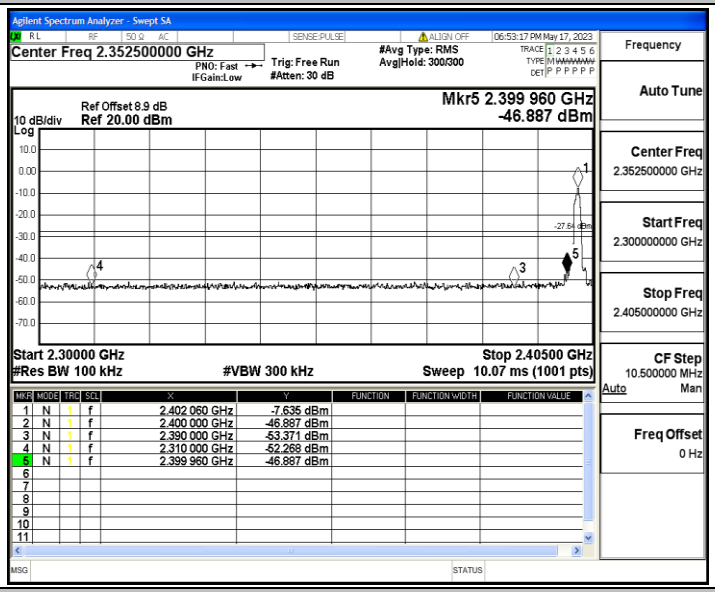
2DH5_Ant1_Low_Hop_2402



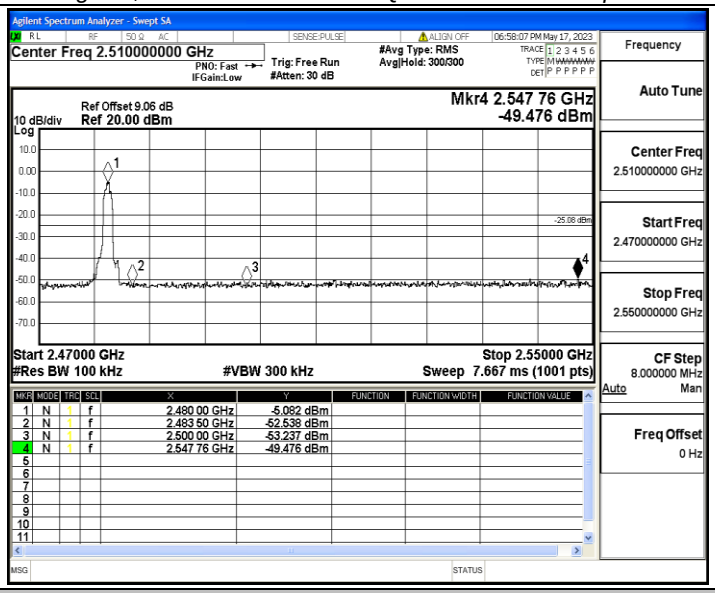
2DH5_Ant1_High_Hop_2480



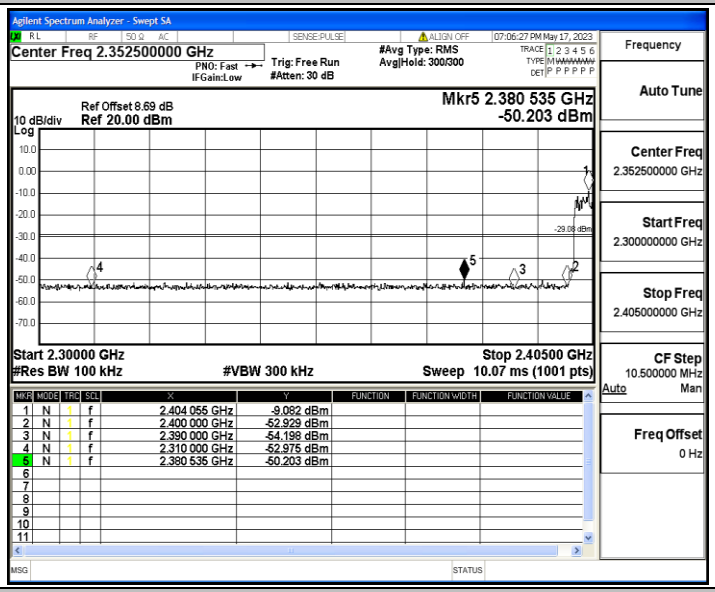
3DH5_Ant1_Low_2402



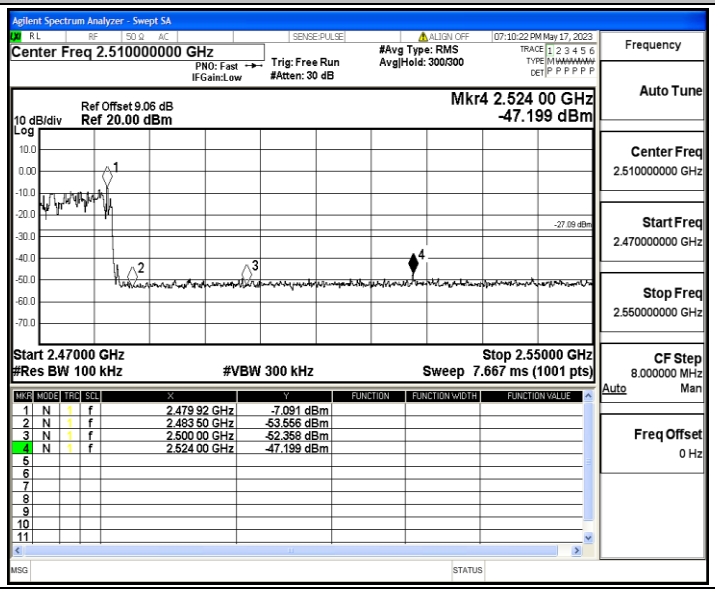
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



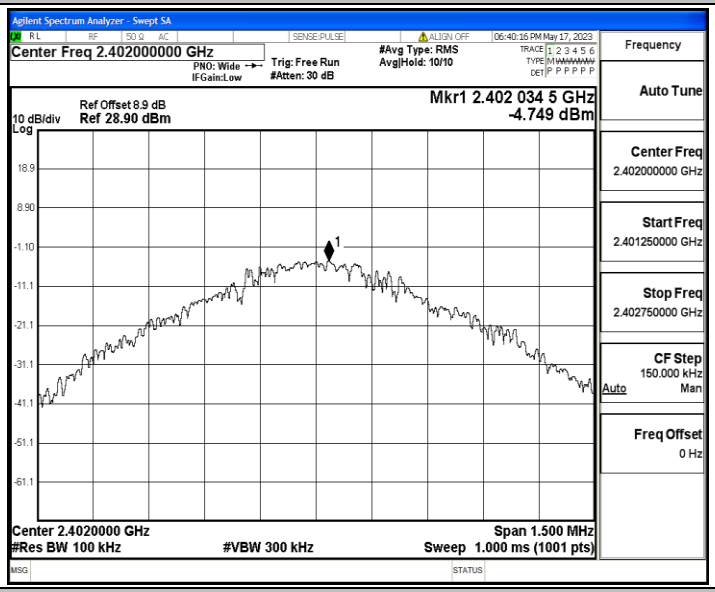
Appendix H: Conducted Spurious Emission

Test Result

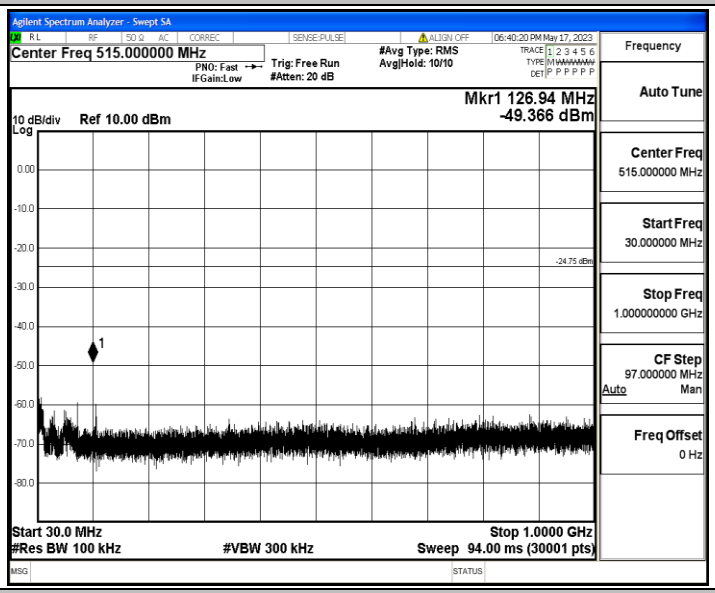
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.75	-4.75	---	PASS
			30~1000	-4.75	-49.37	≤-24.75	PASS
			1000~26500	-4.75	-50.14	≤-24.75	PASS
		2441	Reference	-2.72	-2.72	---	PASS
			30~1000	-2.72	-52.39	≤-22.72	PASS
			1000~26500	-2.72	-49.28	≤-22.72	PASS
		2480	Reference	-2.61	-2.61	---	PASS
			30~1000	-2.61	-58.57	≤-22.61	PASS
			1000~26500	-2.61	-49.85	≤-22.61	PASS
2DH5	Ant1	2402	Reference	-11.23	-11.23	---	PASS
			30~1000	-11.23	-57.19	≤-31.23	PASS
			1000~26500	-11.23	-50.5	≤-31.23	PASS
		2441	Reference	-8.02	-8.02	---	PASS
			30~1000	-8.02	-52.03	≤-28.02	PASS
			1000~26500	-8.02	-50.37	≤-28.02	PASS
		2480	Reference	-8.45	-8.45	---	PASS
			30~1000	-8.45	-54.21	≤-28.45	PASS
			1000~26500	-8.45	-49.98	≤-28.45	PASS
3DH5	Ant1	2402	Reference	-10.66	-10.66	---	PASS
			30~1000	-10.66	-49.9	≤-30.66	PASS
			1000~26500	-10.66	-49.77	≤-30.66	PASS
		2441	Reference	-8.38	-8.38	---	PASS
			30~1000	-8.38	-59.31	≤-28.38	PASS
			1000~26500	-8.38	-50.19	≤-28.38	PASS
		2480	Reference	-7.38	-7.38	---	PASS
			30~1000	-7.38	-58.26	≤-27.38	PASS
			1000~26500	-7.38	-50.41	≤-27.38	PASS

Test Graphs

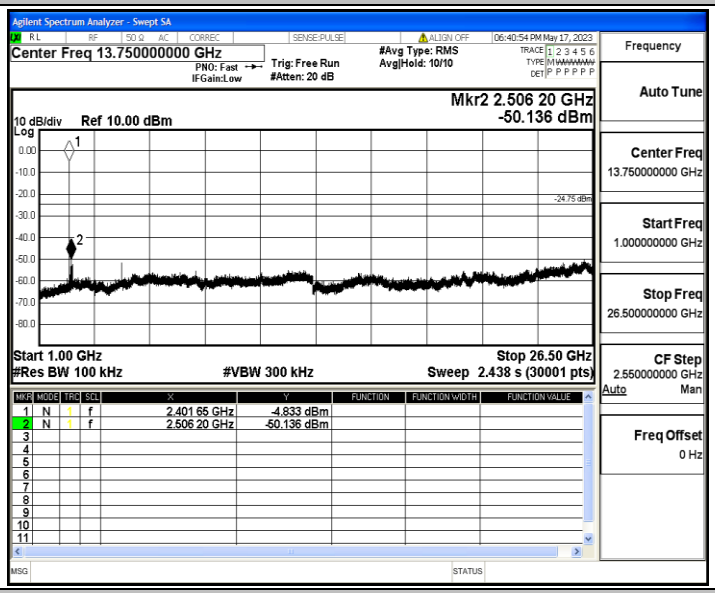
DH5_Ant1_2402_0~Reference



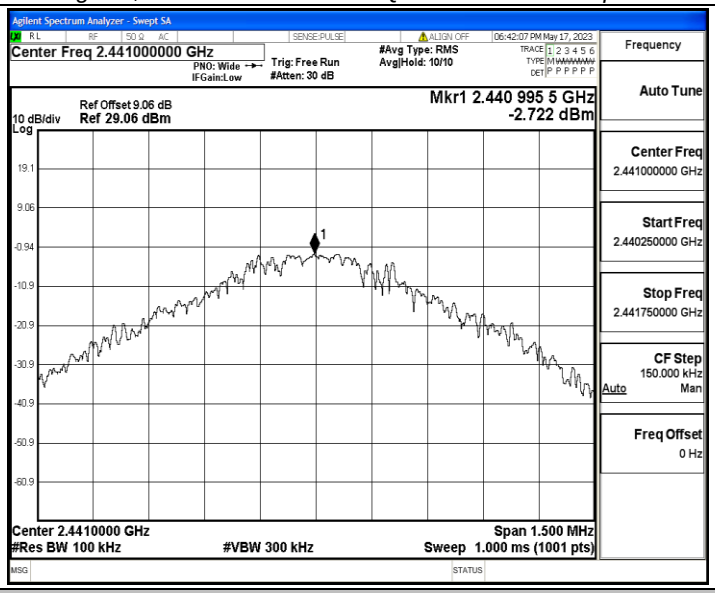
DH5_Ant1_2402_30~1000



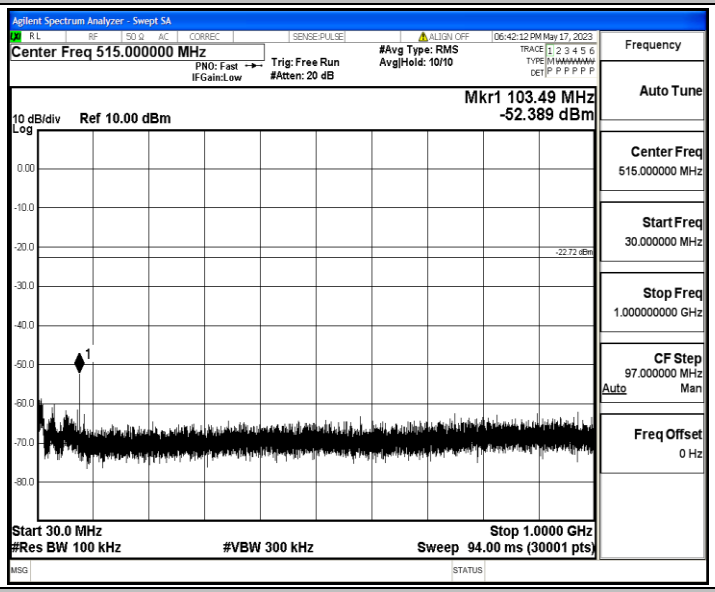
DH5_Ant1_2402_1000~26500



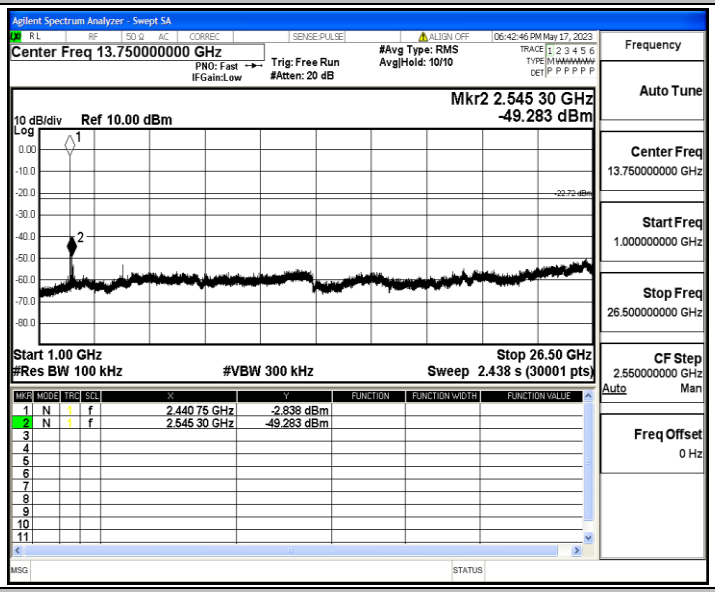
DH5_Ant1_2441_0~Reference



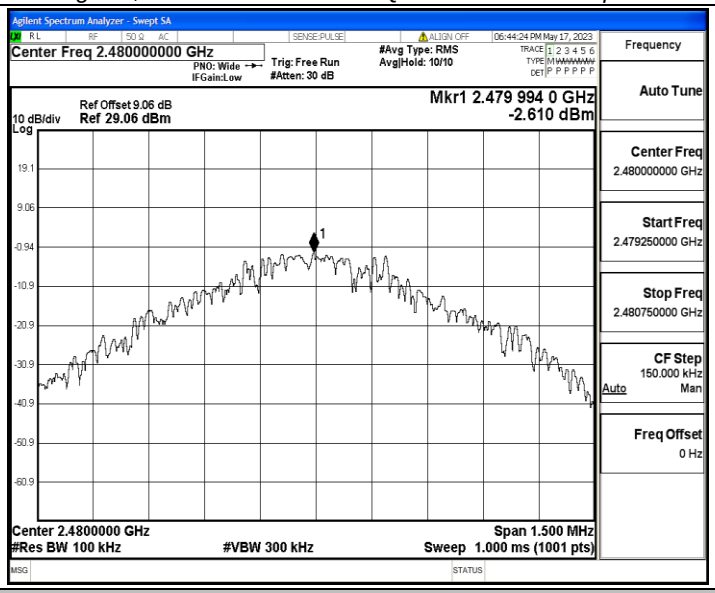
DH5_Ant1_2441_30~1000



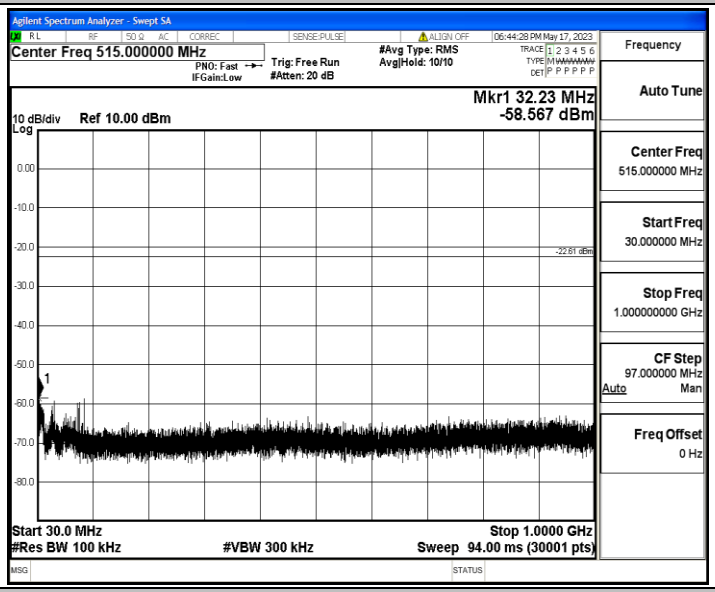
DH5_Ant1_2441_1000~26500



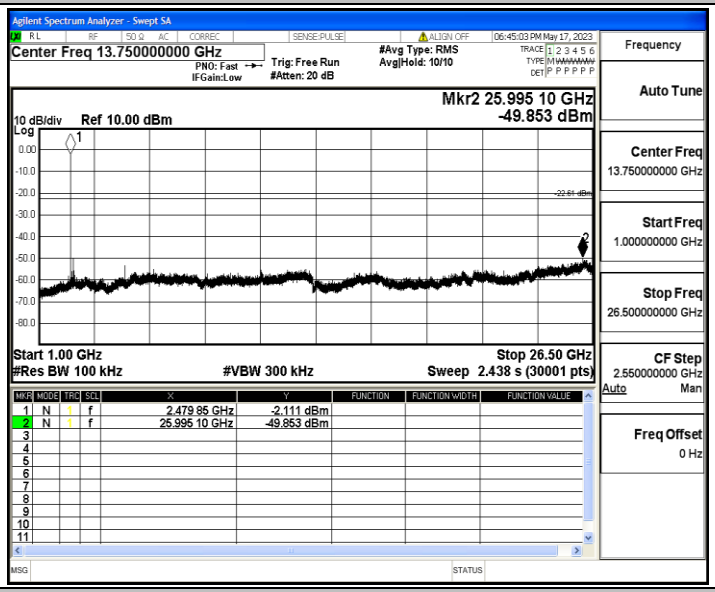
DH5_Ant1_2480_0~Reference



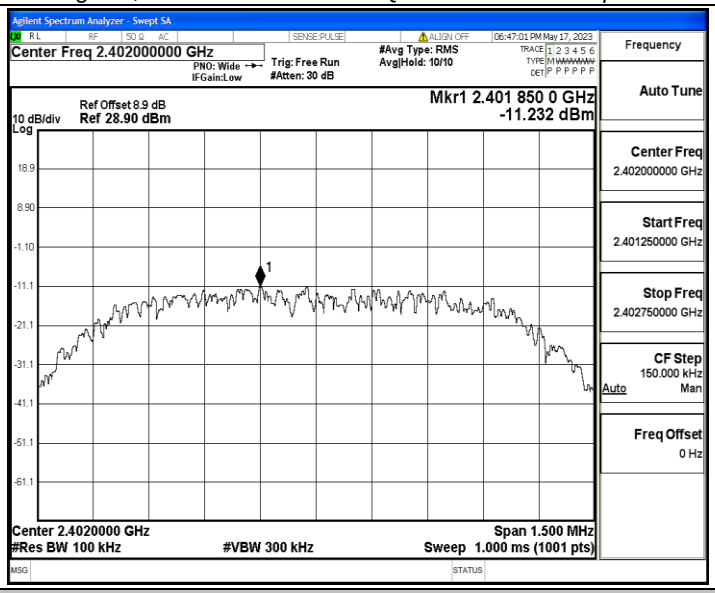
DH5_Ant1_2480_30~1000



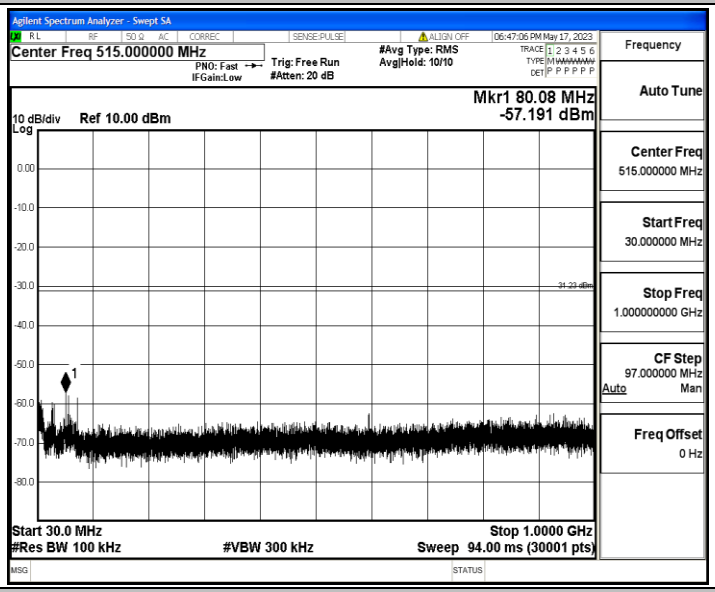
DH5_Ant1_2480_1000~26500



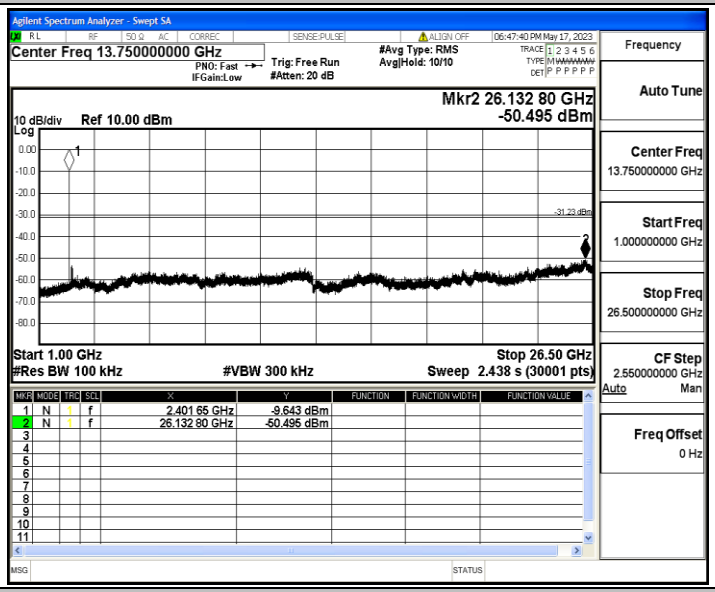
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



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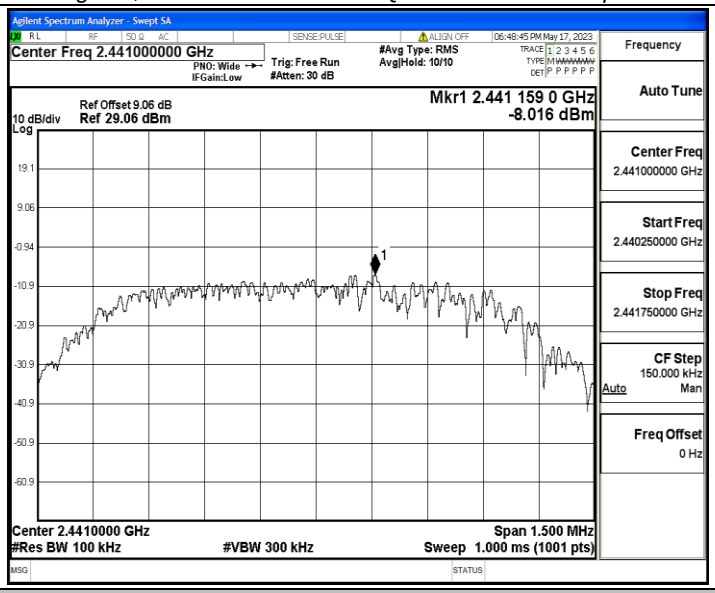
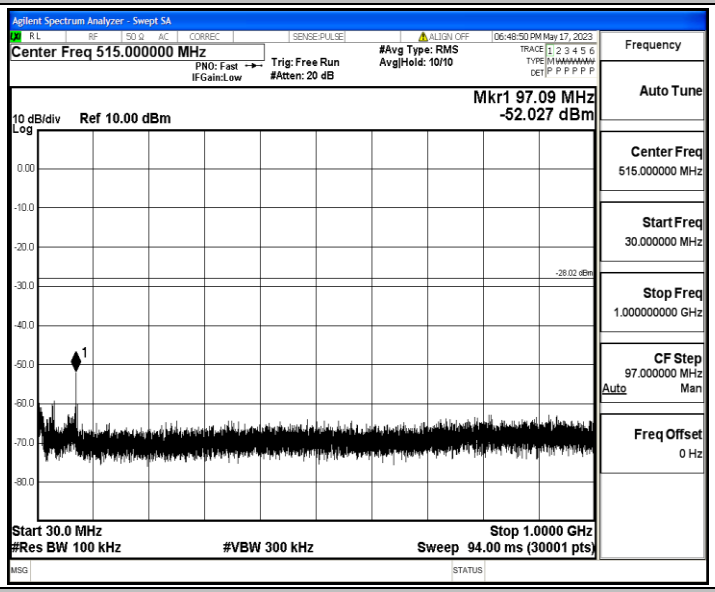
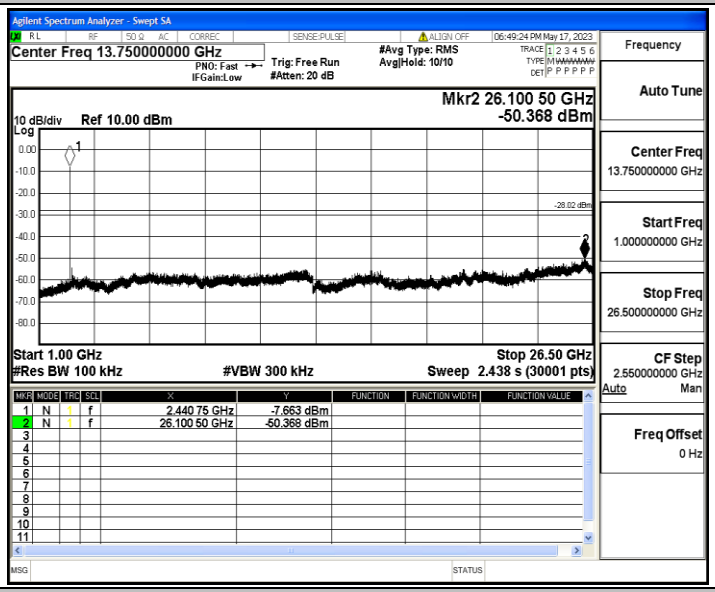


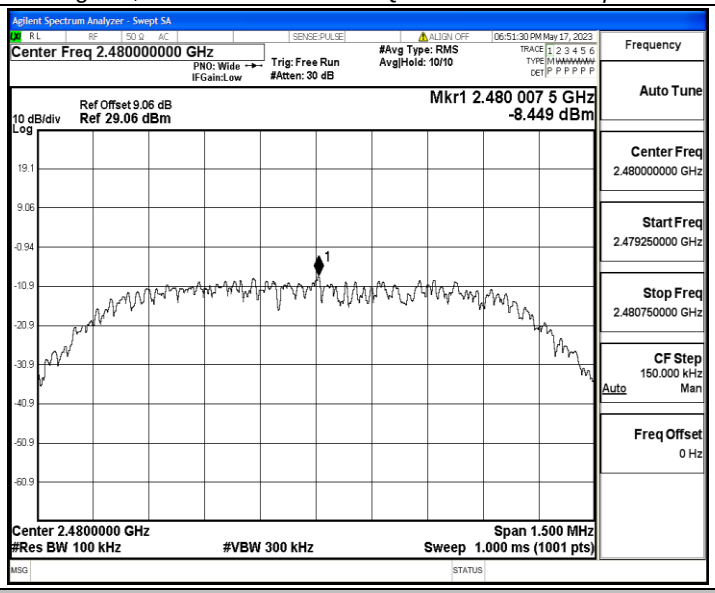
2DH5_Ant1_2441_30~1000



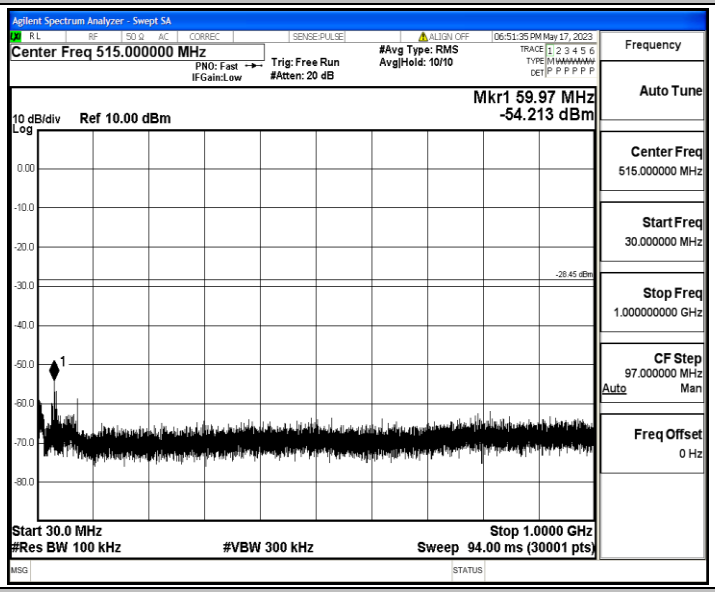
2DH5_Ant1_2441_1000~26500



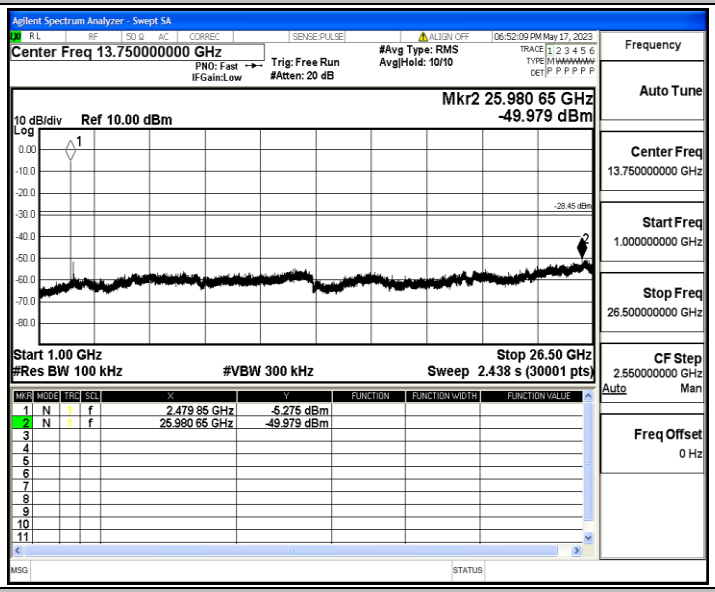
2DH5_Ant1_2480_0~Reference



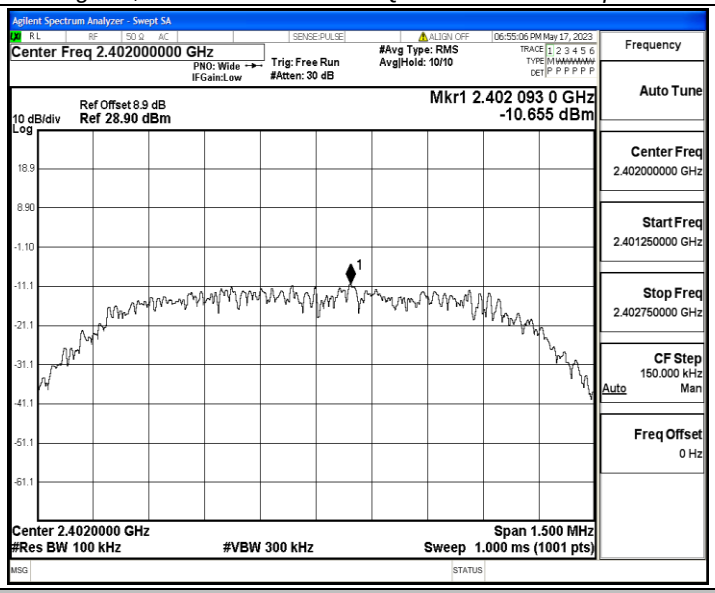
2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference



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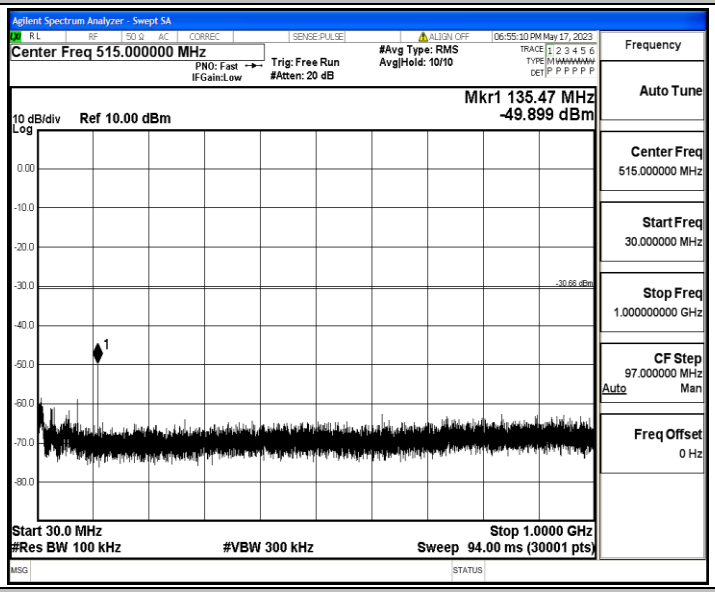
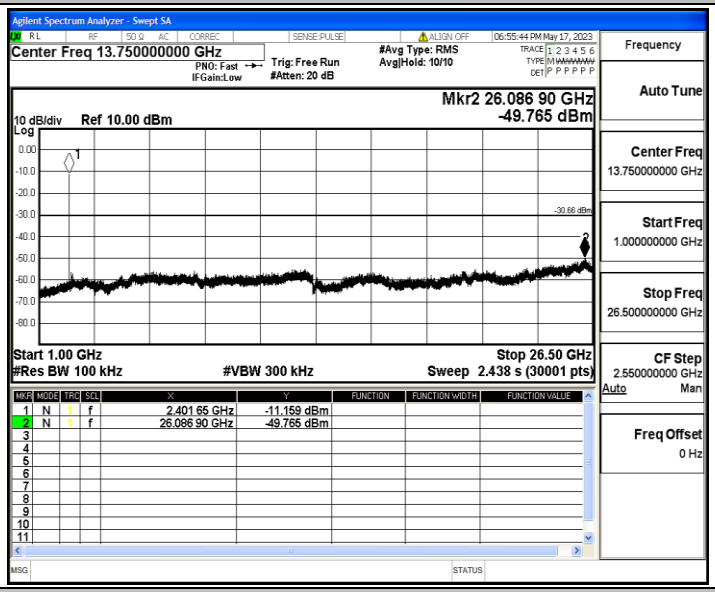
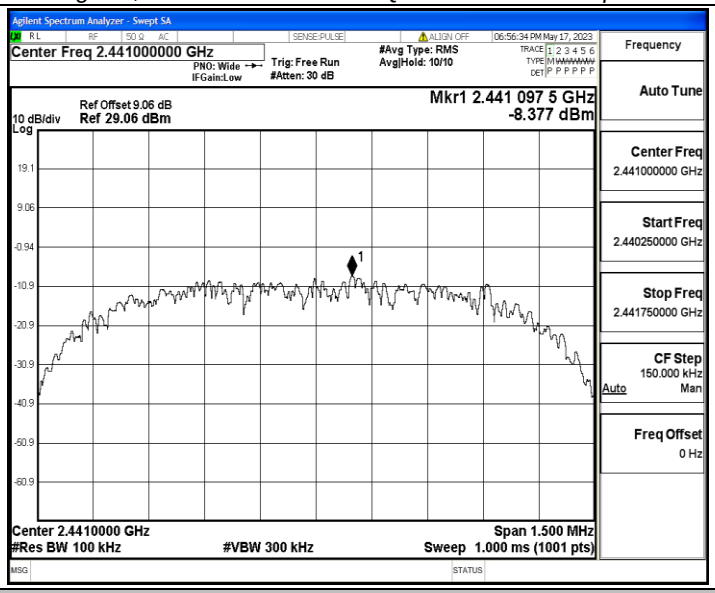


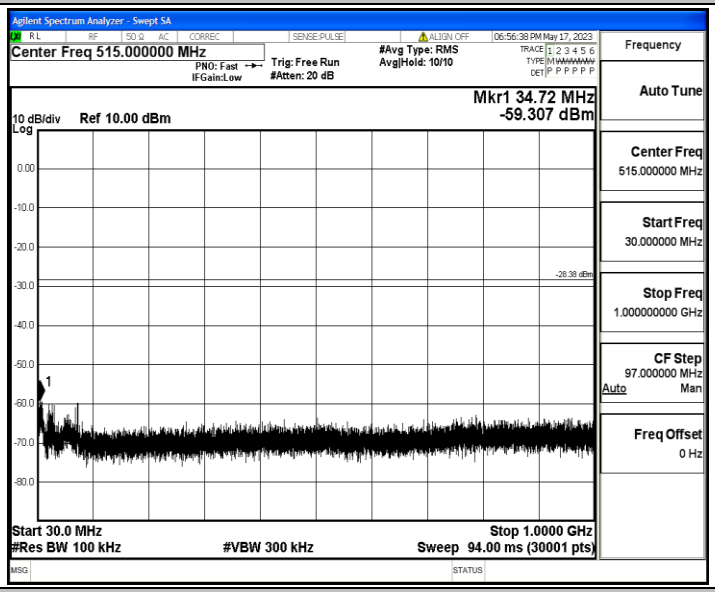
3DH5_Ant1_2402_1000~26500



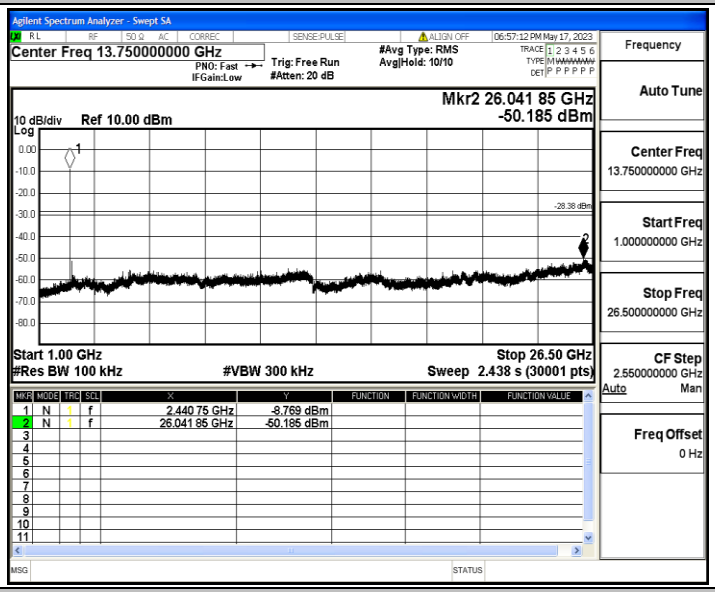
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500



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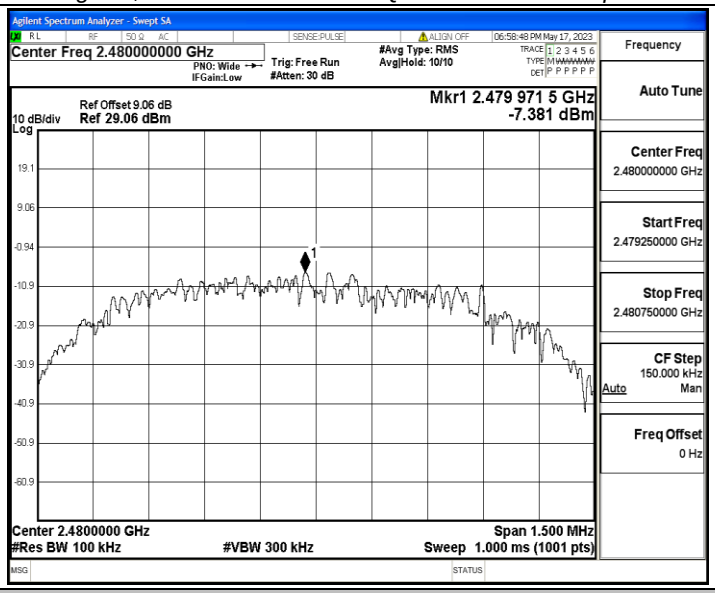
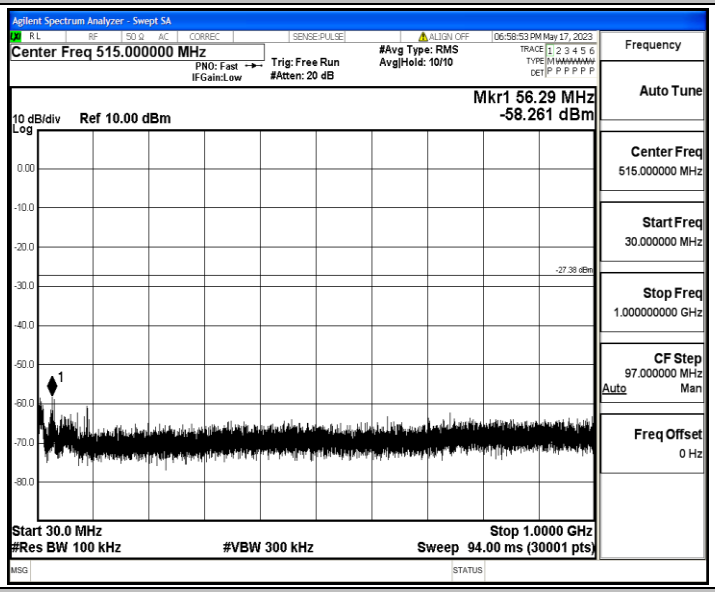
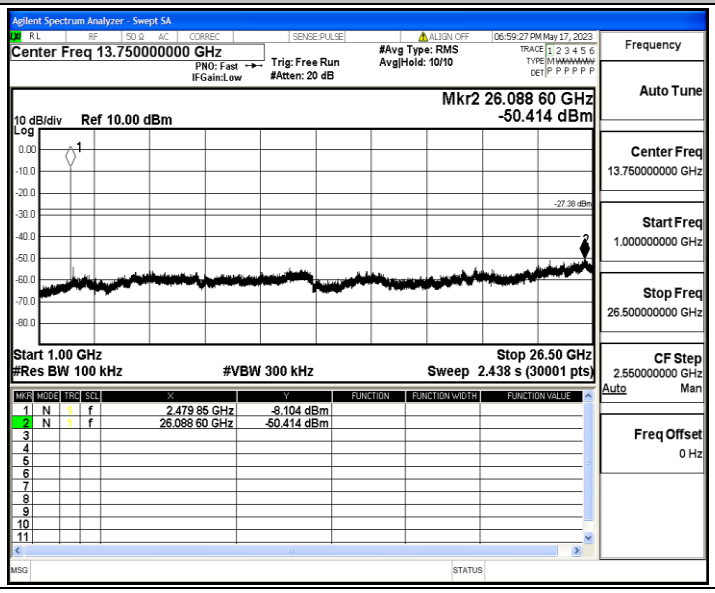


3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



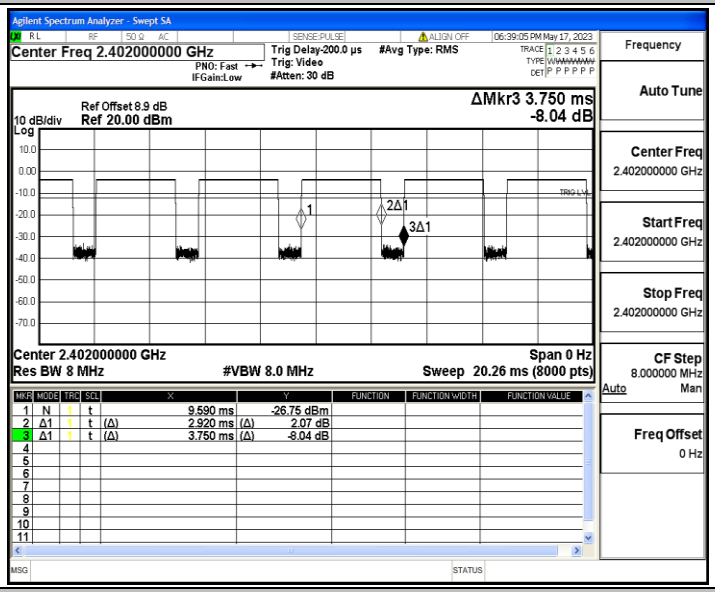
Appendix I: Duty Cycle

Test Result

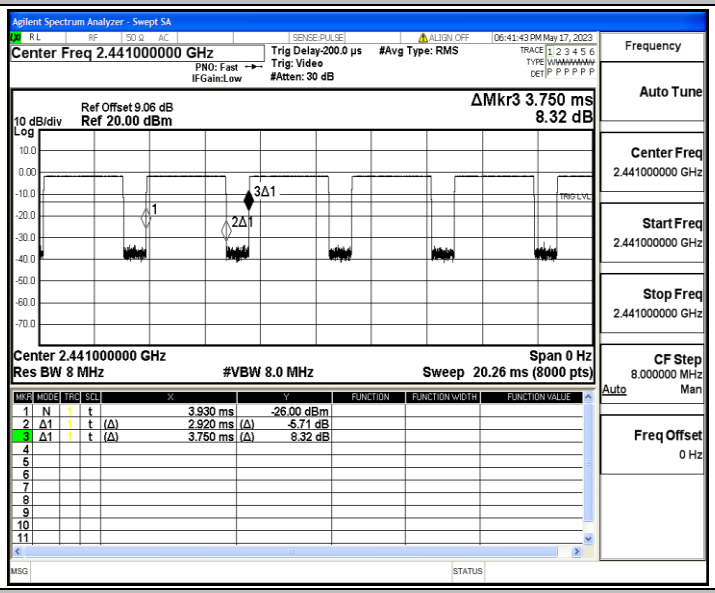
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
DH5	Ant1	2402	2.92	3.75	77.87	0.34
		2441	2.92	3.75	77.87	0.34
		2480	2.92	3.75	77.87	0.34
2DH5	Ant1	2402	2.92	3.75	77.87	0.34
		2441	2.92	3.74	78.07	0.34
		2480	2.92	3.75	77.87	0.34
3DH5	Ant1	2402	2.92	3.75	77.87	0.34
		2441	2.92	3.75	77.87	0.34
		2480	2.92	3.75	77.87	0.34

Test Graphs

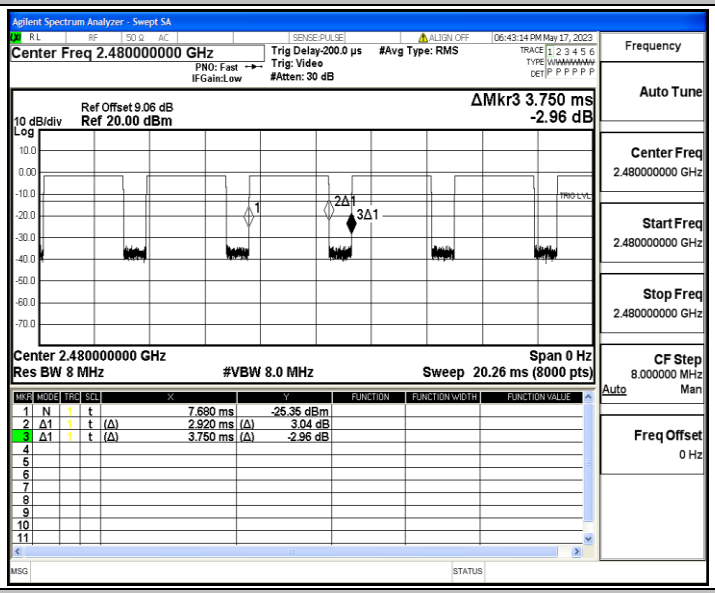
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402