

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

Product Name: TRI PRO Multi-Sport Headphone

Trade Mark: H2O Audio

Test Model: H2O Audio TRI PRO

FCC ID: 2AUCH-H2OAUDIO

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

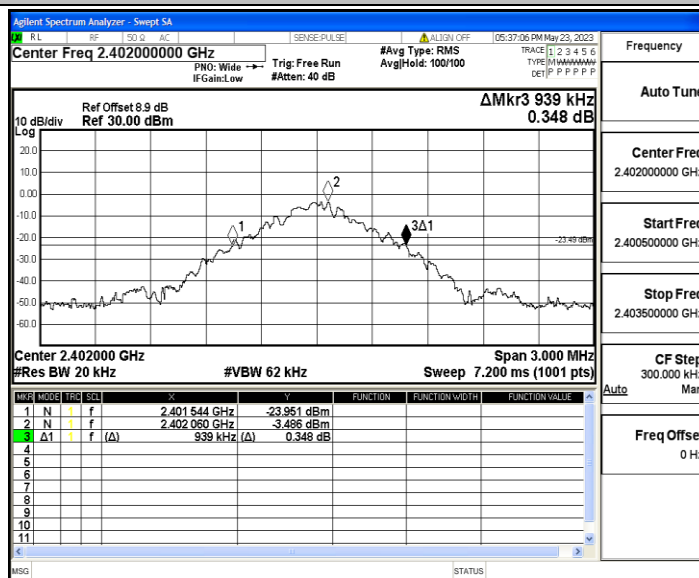
Appendix A: 20dB Emission Bandwidth

Test Result

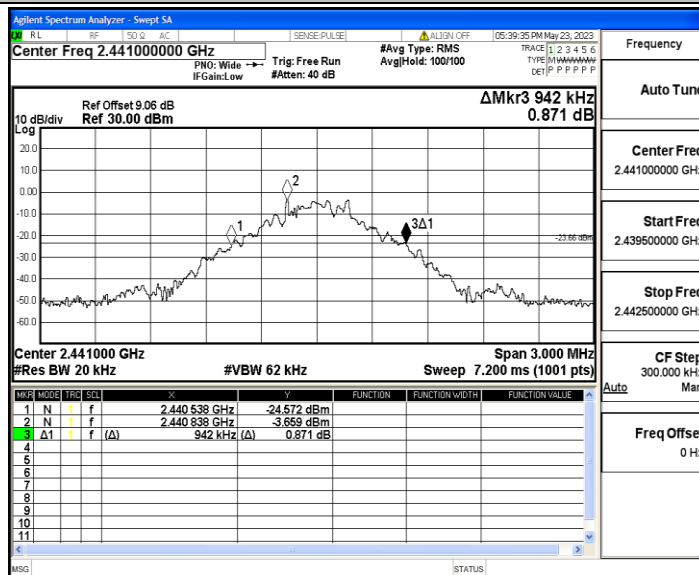
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.939	2401.544	2402.483	---	---
		2441	0.942	2440.538	2441.480	---	---
		2480	0.942	2479.538	2480.480	---	---
2DH5	Ant1	2402	1.338	2401.331	2402.669	---	---
		2441	1.317	2440.340	2441.657	---	---
		2480	1.320	2479.340	2480.660	---	---
3DH5	Ant1	2402	1.290	2401.352	2402.642	---	---
		2441	1.302	2440.349	2441.651	---	---
		2480	1.278	2479.352	2480.630	---	---

Test Graphs

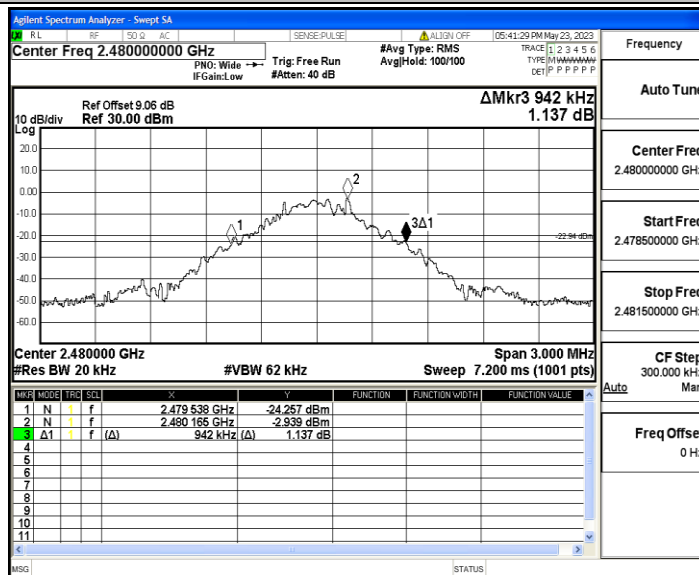
DH5_Ant1_2402



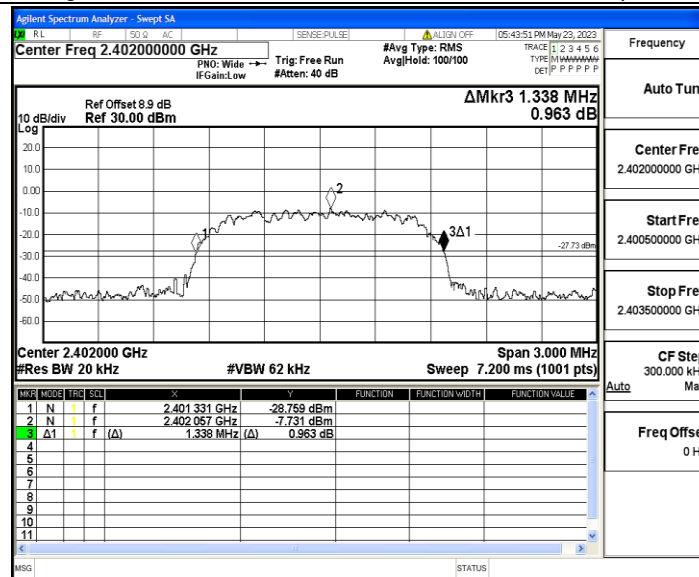
DH5_Ant1_2441



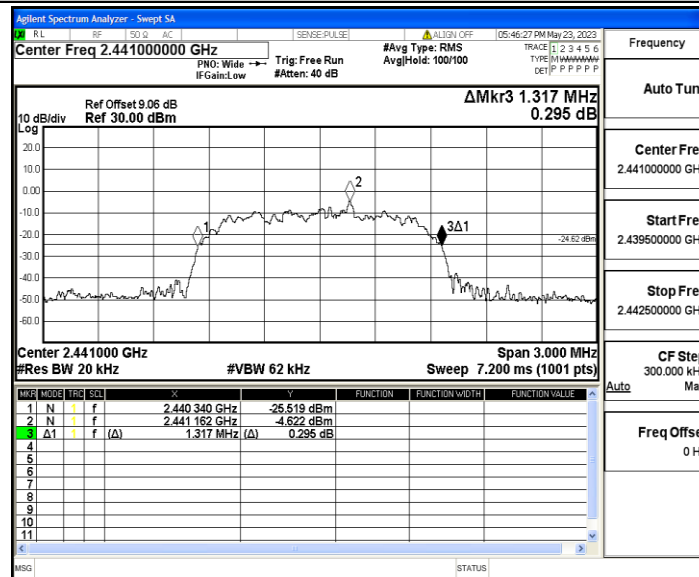
DH5_Ant1_2480



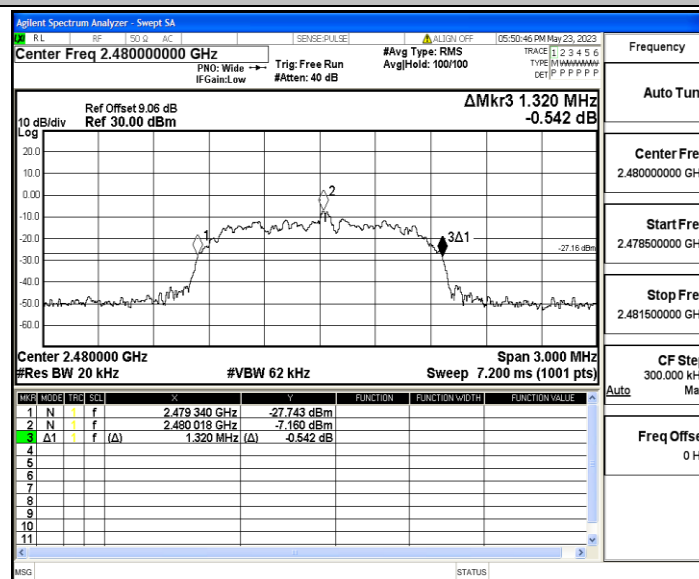
2DH5_Ant1_2402



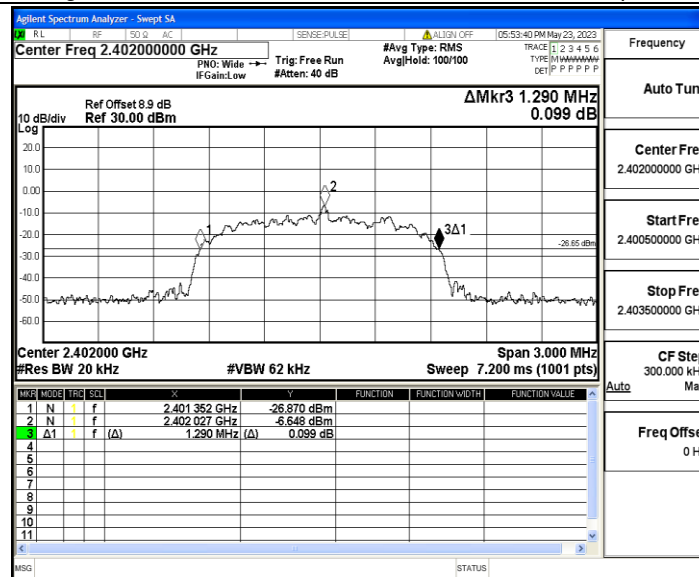
2DH5_Ant1_2441



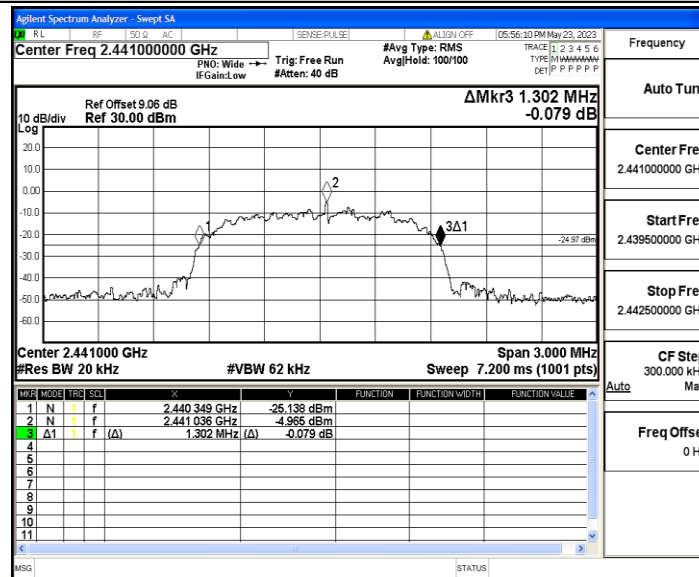
2DH5_Ant1_2480



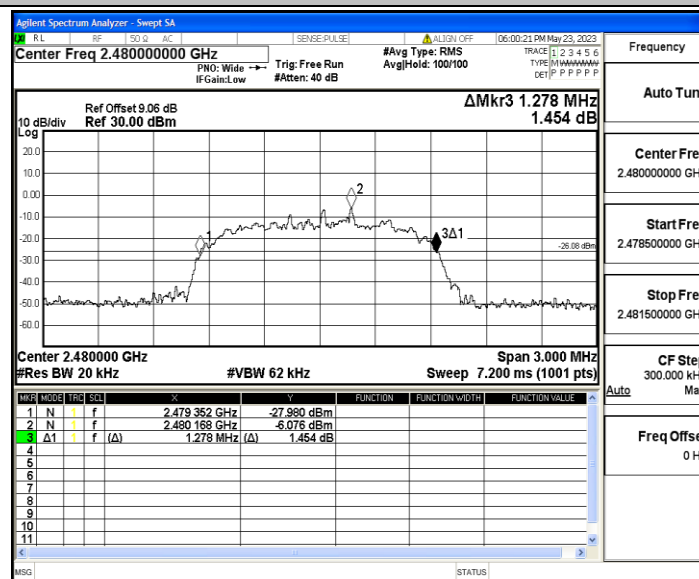
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



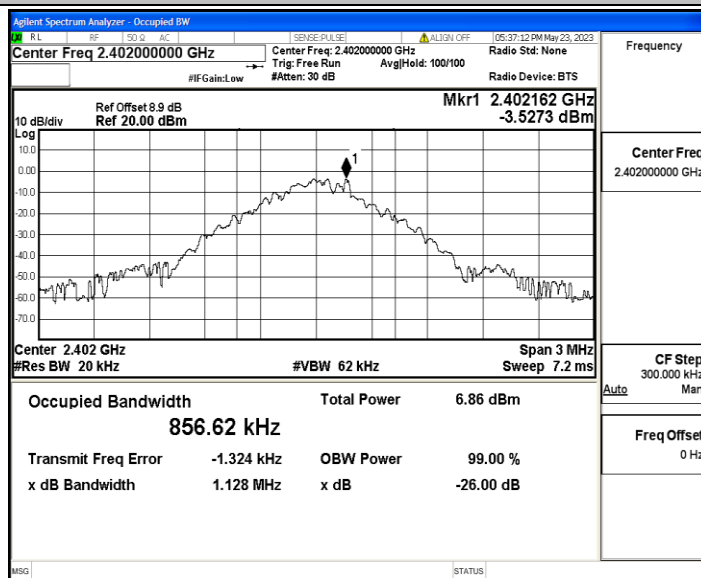
Appendix B: Occupied Channel Bandwidth

Test Result

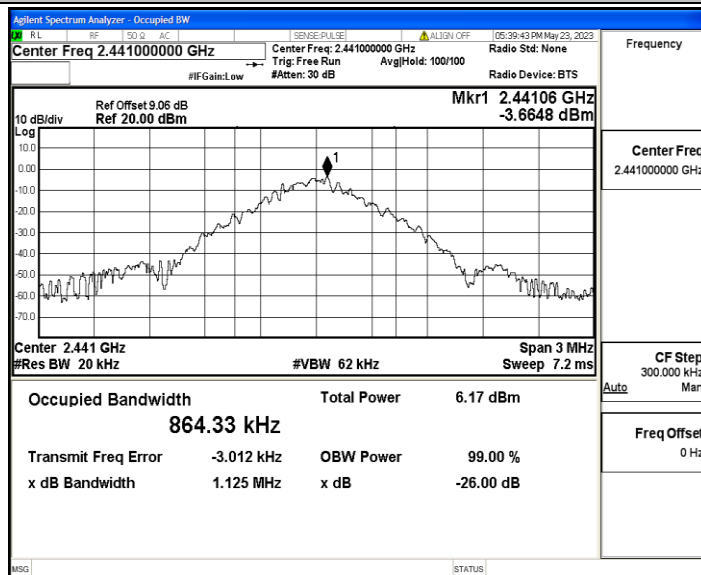
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85662	2401.5704	2402.4270	---	---
		2441	0.86433	2440.5648	2441.4292	---	---
		2480	0.85601	2479.5681	2480.4242	---	---
2DH5	Ant1	2402	1.1945	2401.4053	2402.5998	---	---
		2441	1.1843	2440.4085	2441.5928	---	---
		2480	1.1862	2479.4065	2480.5927	---	---
3DH5	Ant1	2402	1.2008	2401.3937	2402.5945	---	---
		2441	1.2009	2440.3925	2441.5934	---	---
		2480	1.1953	2479.3959	2480.5912	---	---

Test Graphs

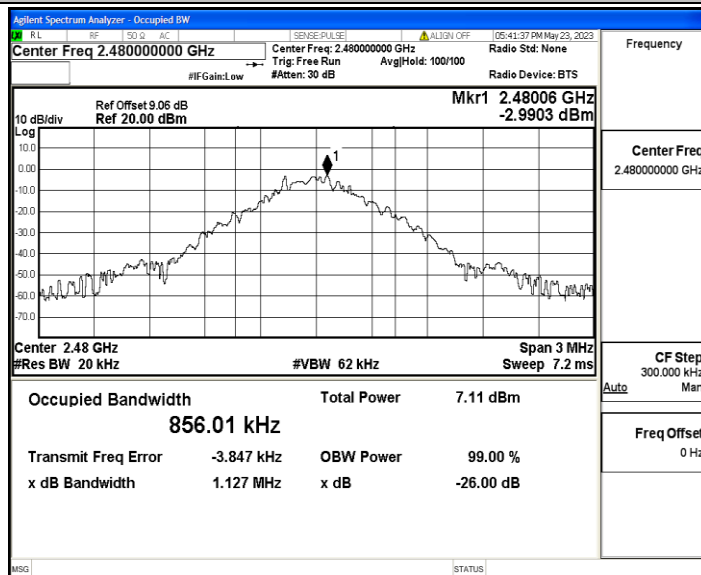
DH5_Ant1_2402



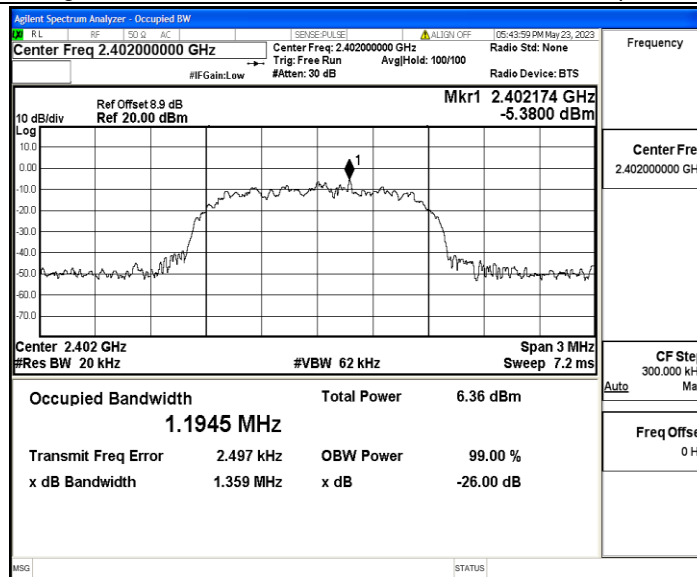
DH5_Ant1_2441



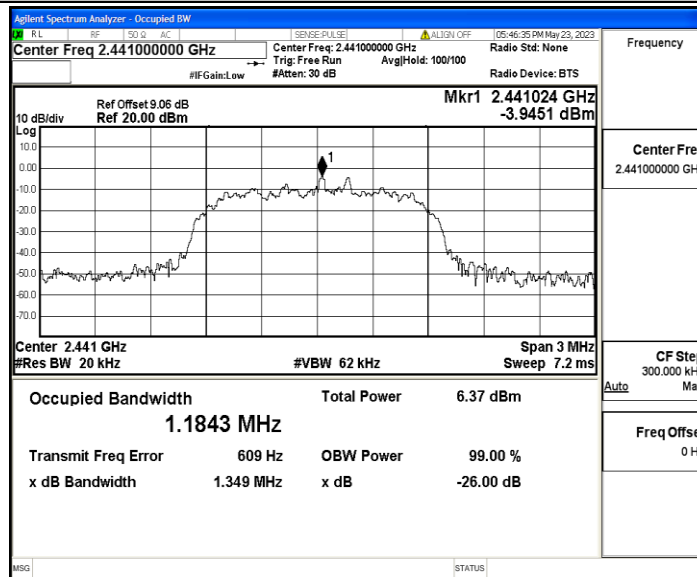
DH5_Ant1_2480



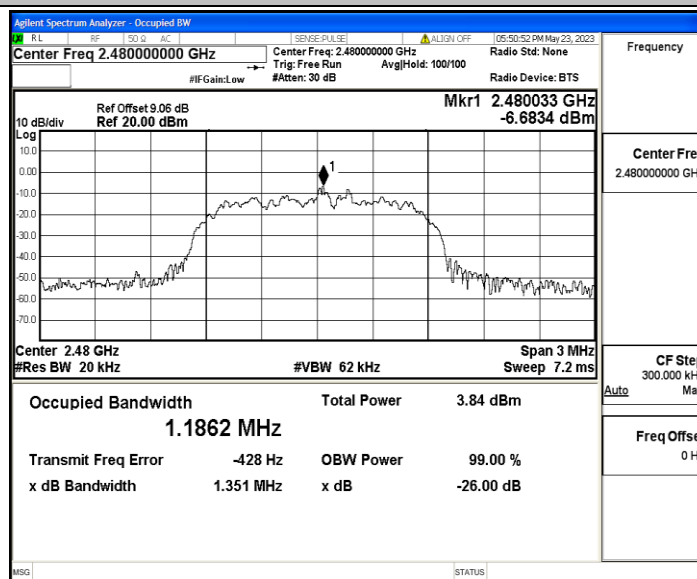
2DH5_Ant1_2402



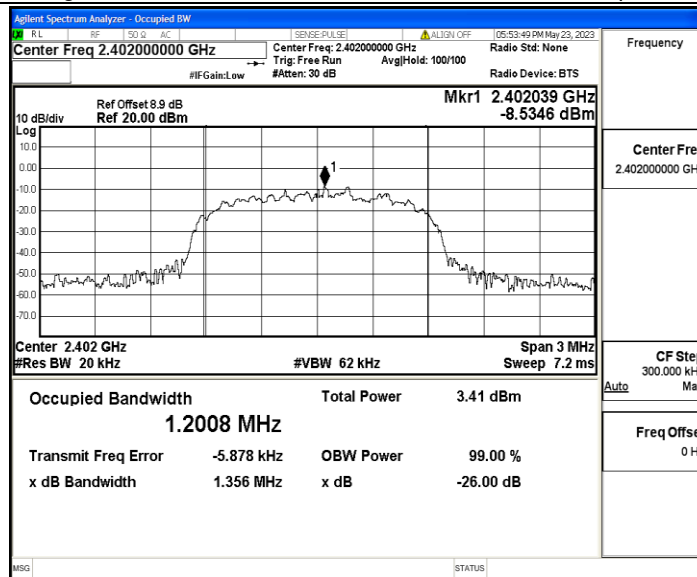
2DH5_Ant1_2441



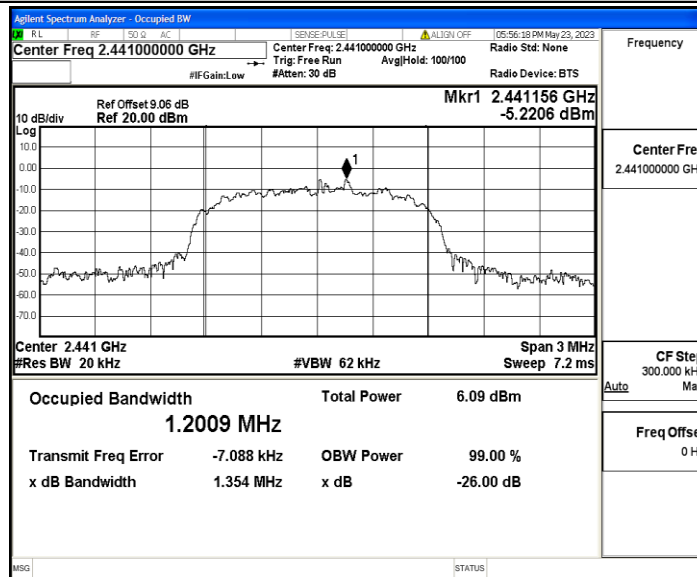
2DH5_Ant1_2480



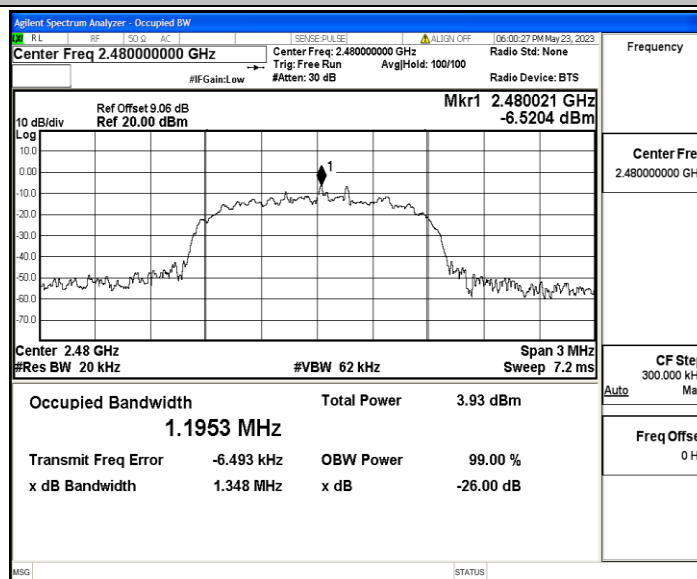
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



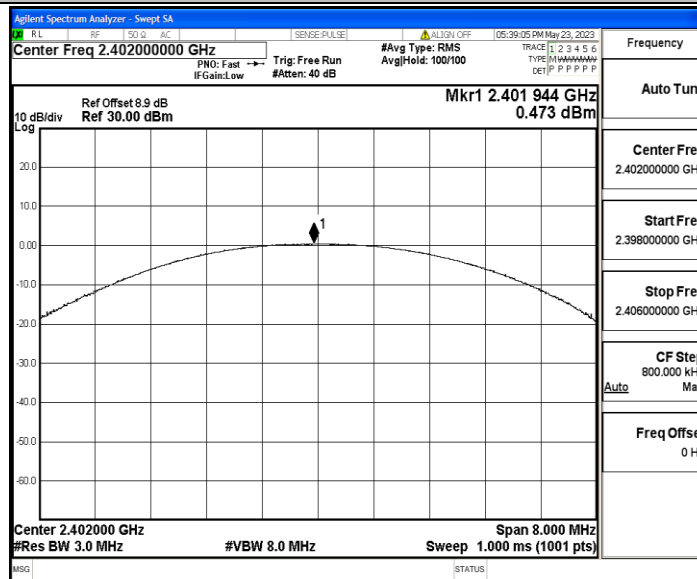
Appendix C: Maximum Peak conducted output power

Test Result

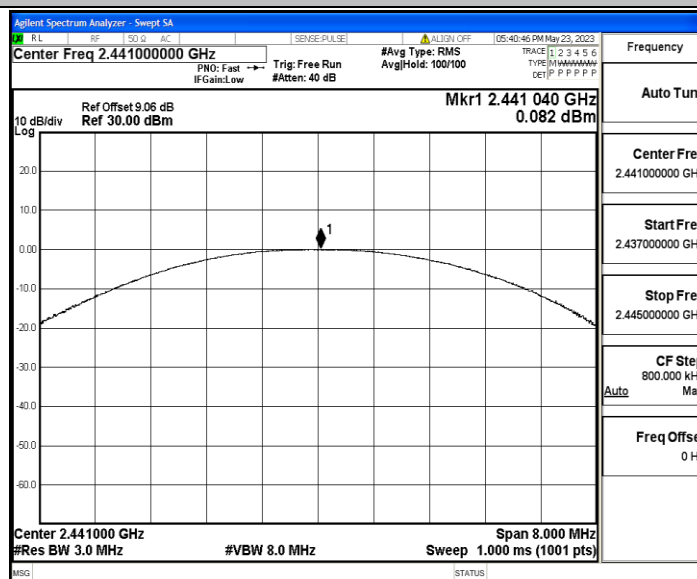
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.47	≤30	PASS
		2441	0.08	≤30	PASS
		2480	0.64	≤30	PASS
2DH5	Ant1	2402	-0.91	≤20.97	PASS
		2441	1.75	≤20.97	PASS
		2480	-0.58	≤20.97	PASS
3DH5	Ant1	2402	-0.57	≤20.97	PASS
		2441	-1.25	≤20.97	PASS
		2480	-0.23	≤20.97	PASS

Test Graphs

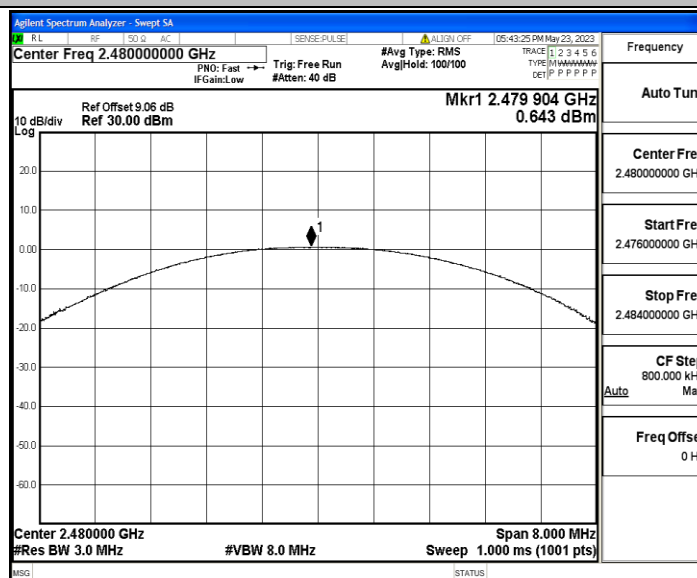
DH5_Ant1_2402



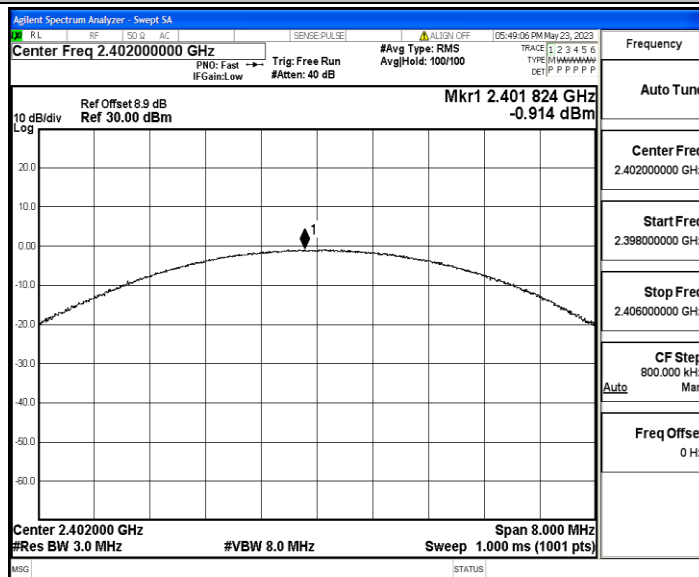
DH5_Ant1_2441



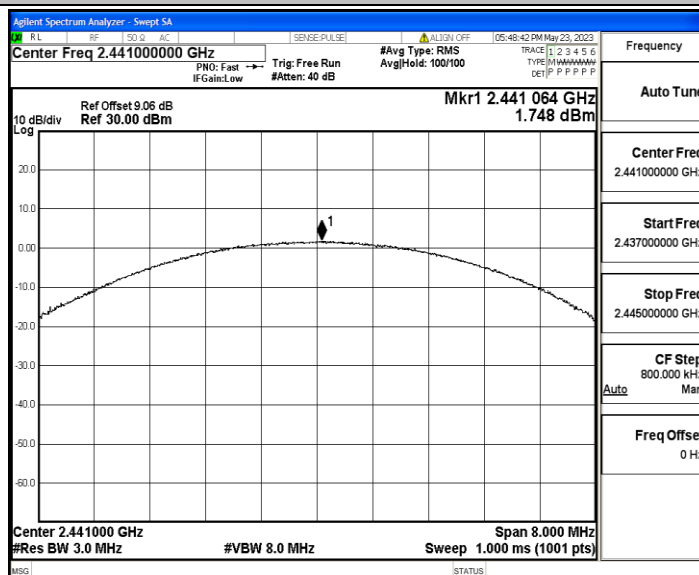
DH5_Ant1_2480



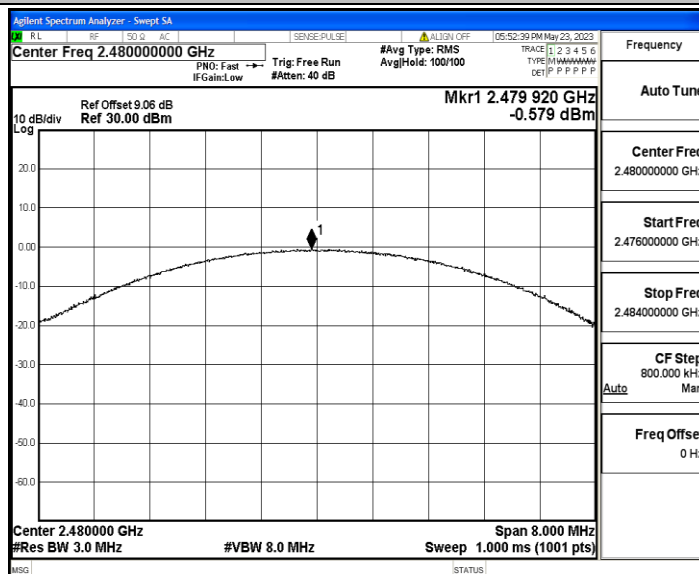
2DH5_Ant1_2402



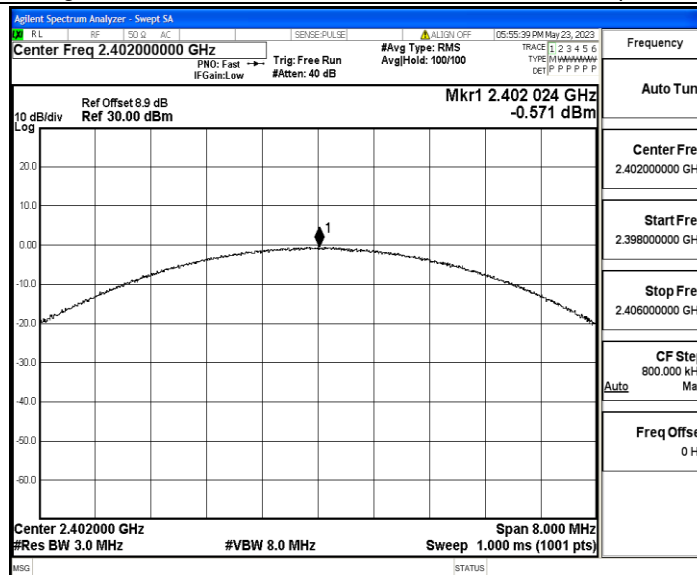
2DH5_Ant1_2441



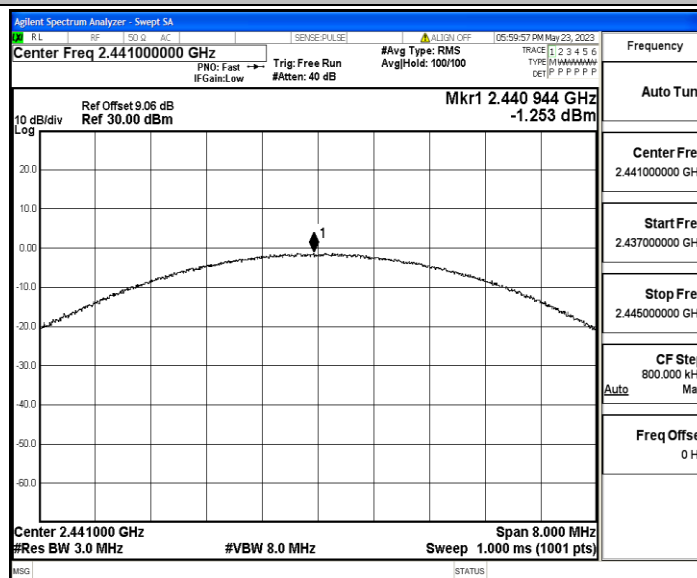
2DH5_Ant1_2480



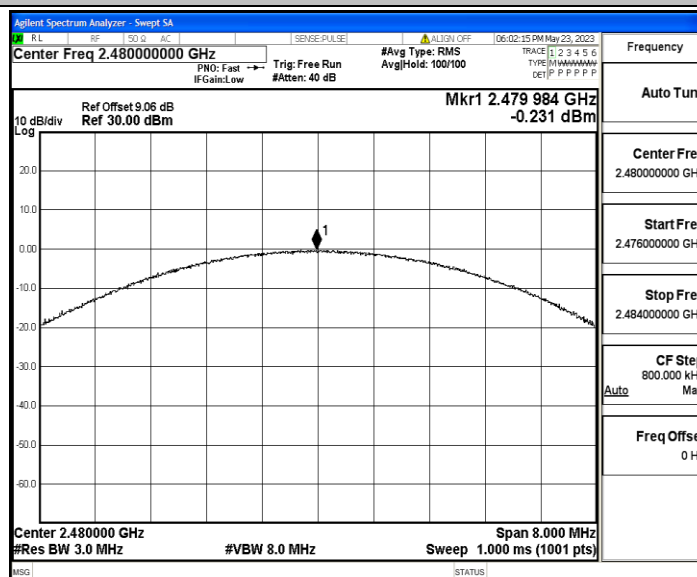
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

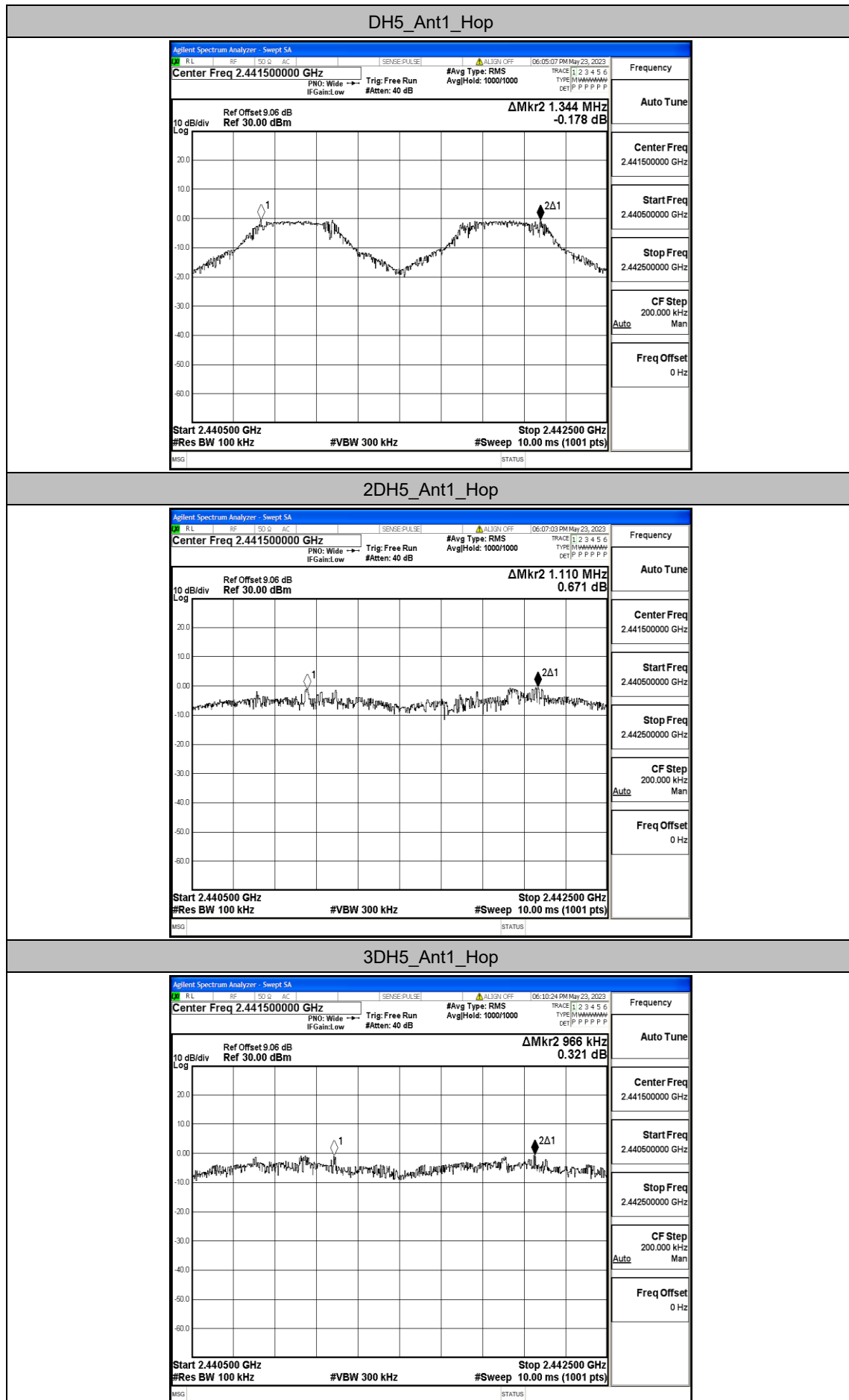


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.344	≥ 0.942	PASS
2DH5	Ant1	Hop	1.11	≥ 0.892	PASS
3DH5	Ant1	Hop	0.966	≥ 0.868	PASS

Test Graphs

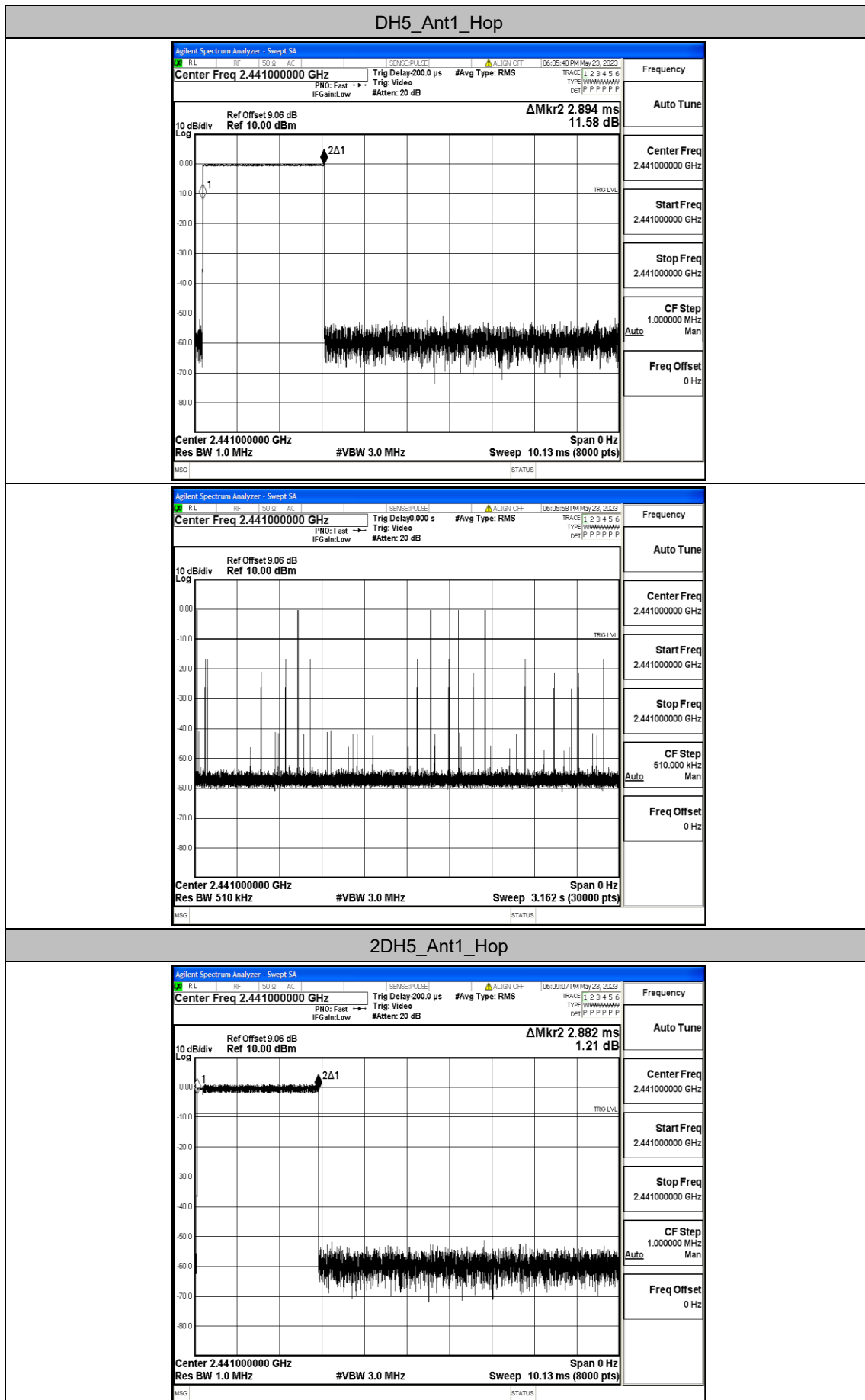


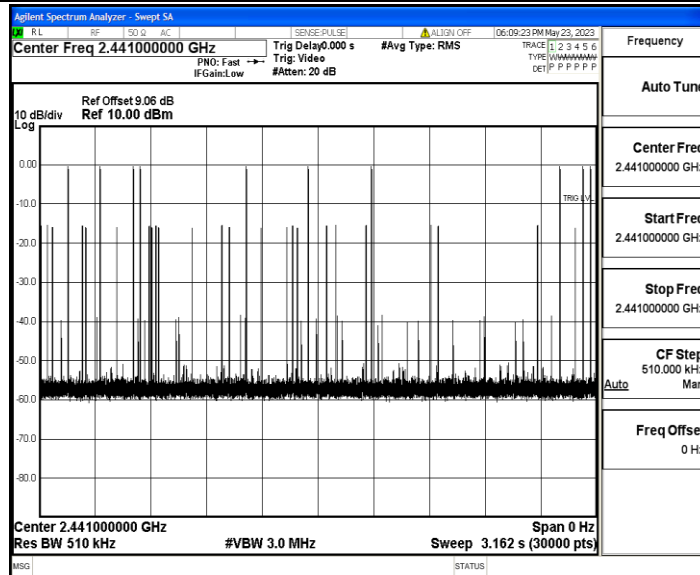
Appendix E: Time of occupancy

Test Result

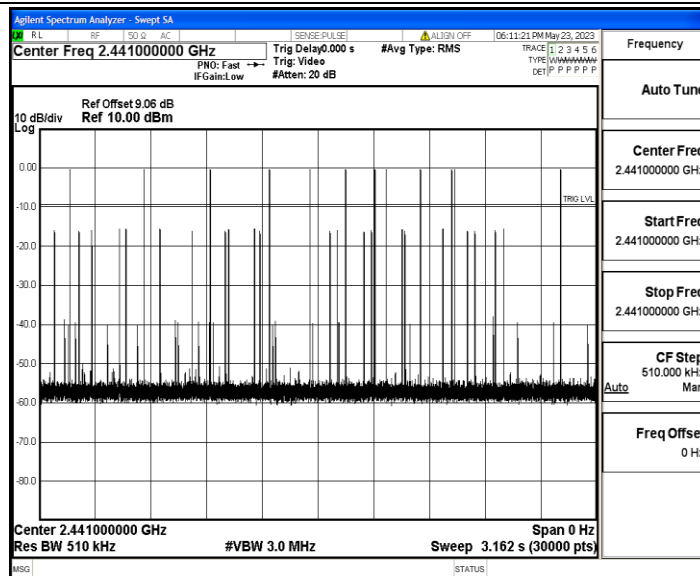
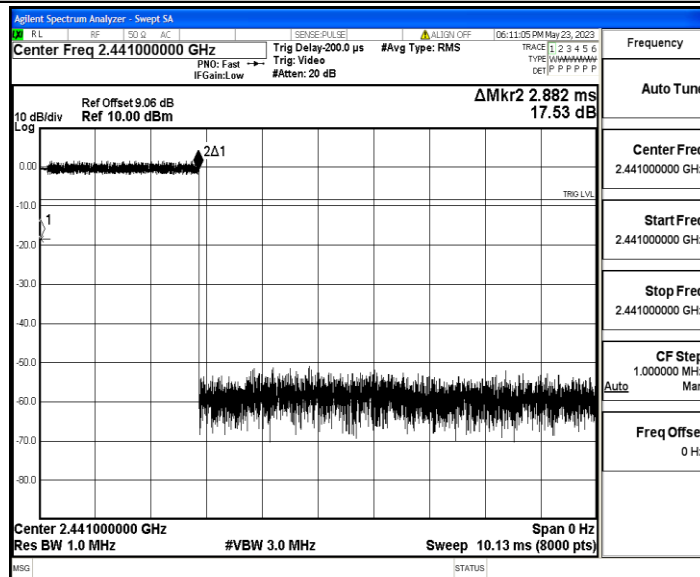
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.894	60	0.174	≤0.4	PASS
2DH5	Ant1	Hop	2.882	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.882	130	0.375	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

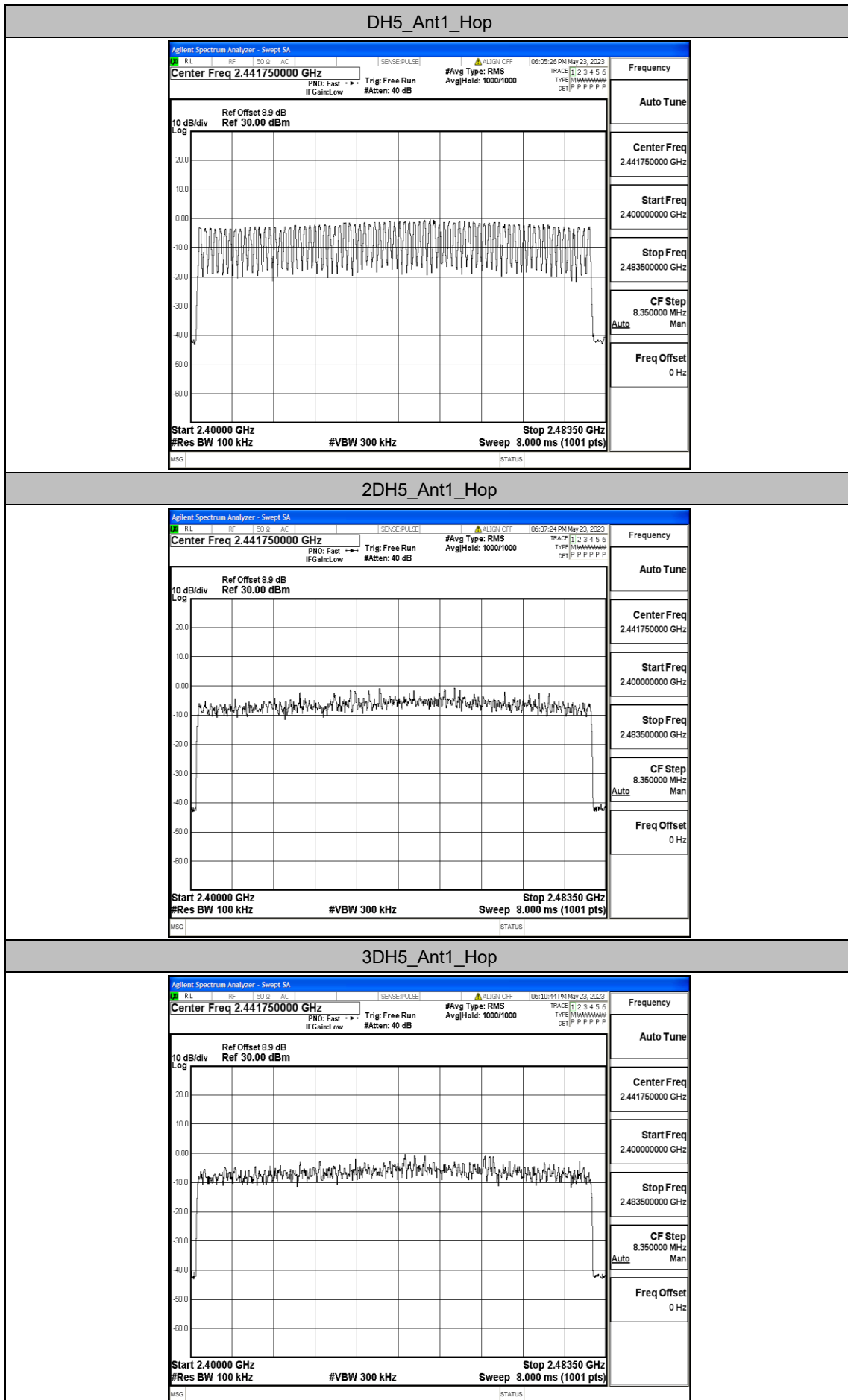


Appendix F: Number of hopping channels

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



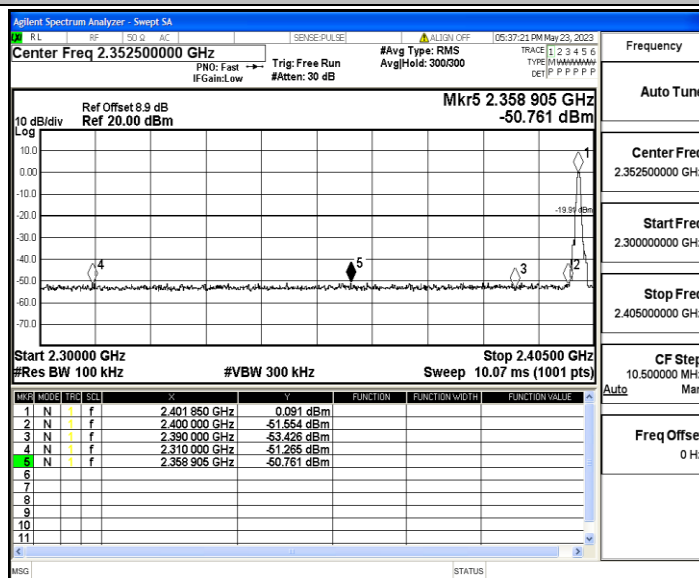
Appendix G: Band edge measurements

Test Result

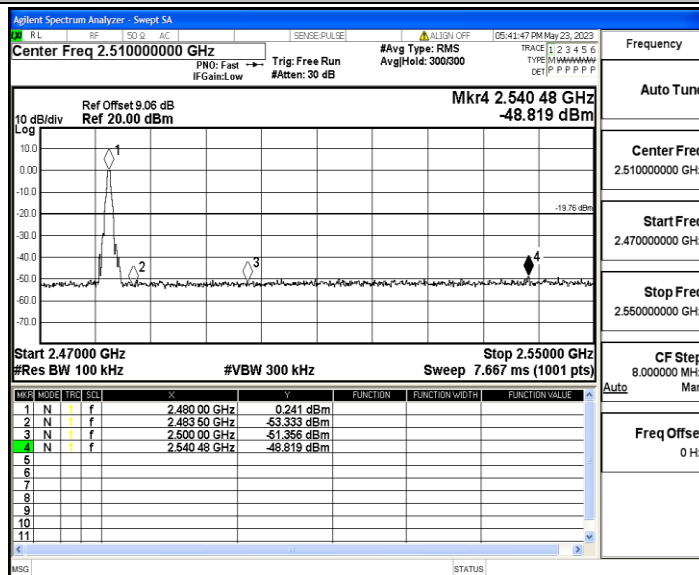
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.09	-50.76	≤ -19.91	PASS
		High	2480	0.24	-48.82	≤ -19.76	PASS
		Low	Hop_2402	-3.88	-50.41	≤ -23.88	PASS
		High	Hop_2480	-2.72	-48.59	≤ -22.72	PASS
2DH5	Ant1	Low	2402	-0.14	-50.3	≤ -20.14	PASS
		High	2480	-3.12	-48.98	≤ -23.12	PASS
		Low	Hop_2402	-7.59	-50.56	≤ -27.59	PASS
		High	Hop_2480	-1.96	-49.07	≤ -21.96	PASS
3DH5	Ant1	Low	2402	-2.98	-50.93	≤ -22.98	PASS
		High	2480	-2.77	-49.68	≤ -22.77	PASS
		Low	Hop_2402	-5.76	-50.78	≤ -25.76	PASS
		High	Hop_2480	-4.14	-49.52	≤ -24.14	PASS

Test Graphs

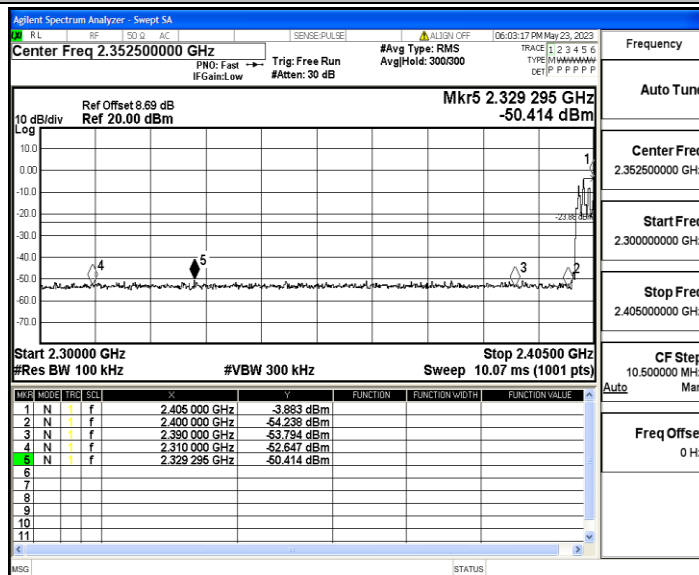
DH5_Ant1_Low_2402



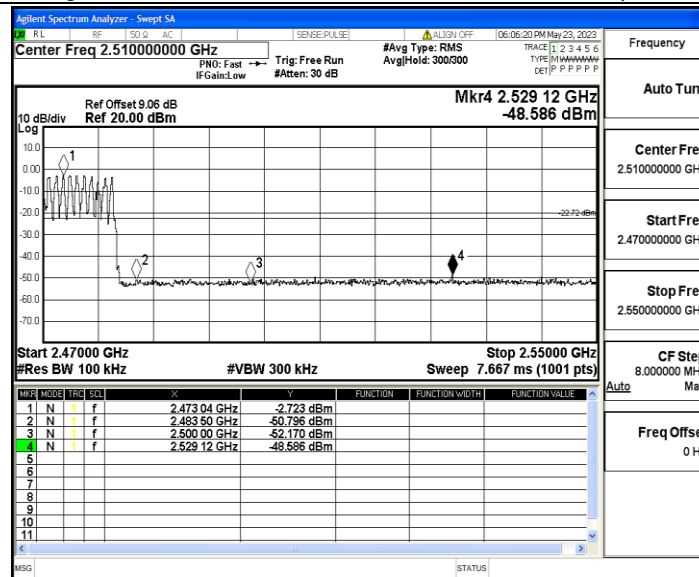
DH5_Ant1_High_2480



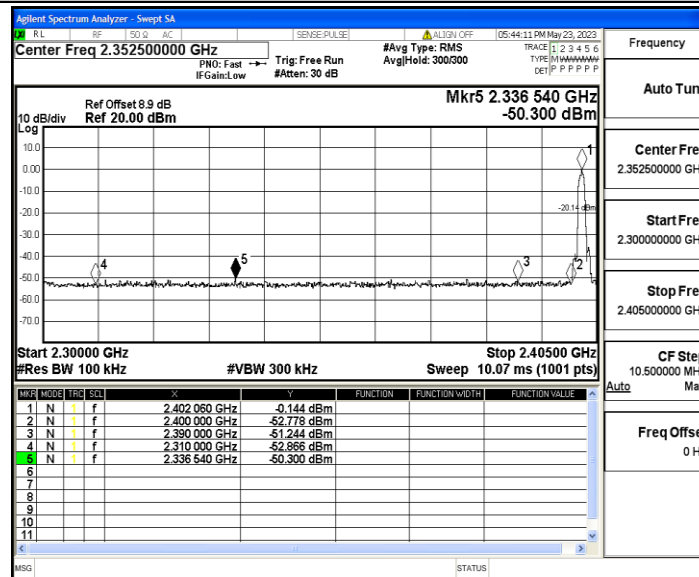
DH5_Ant1_Low_Hop_2402



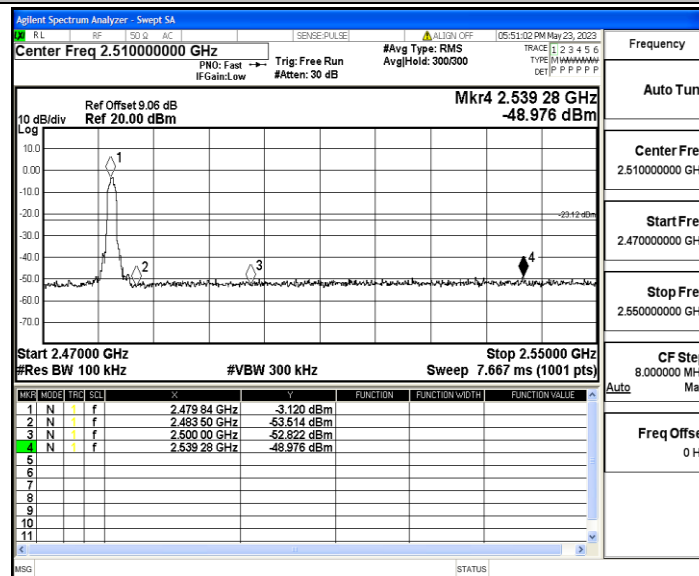
DH5_Ant1_High_Hop_2480



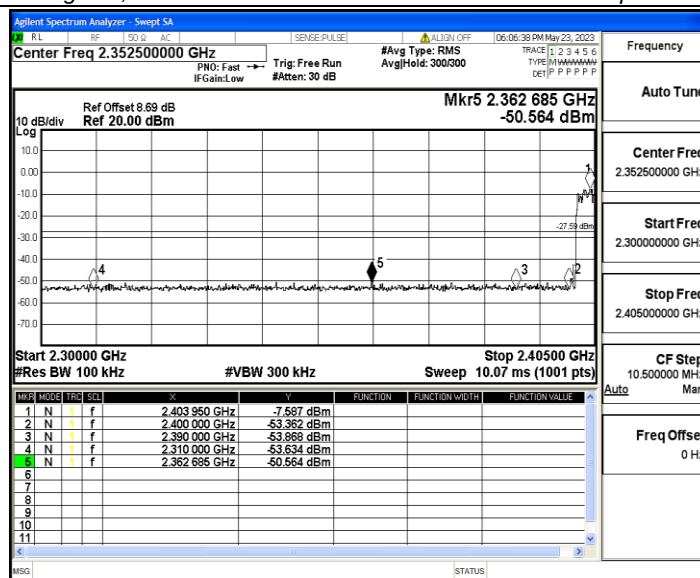
2DH5_Ant1_Low_2402



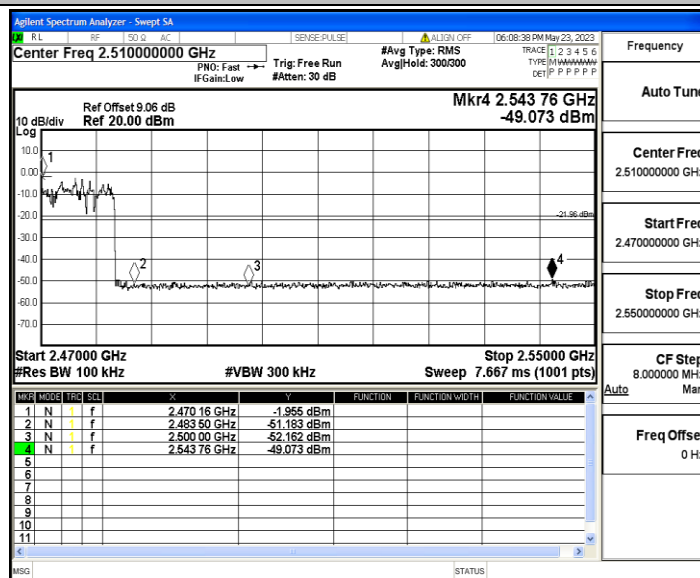
2DH5_Ant1_High_2480



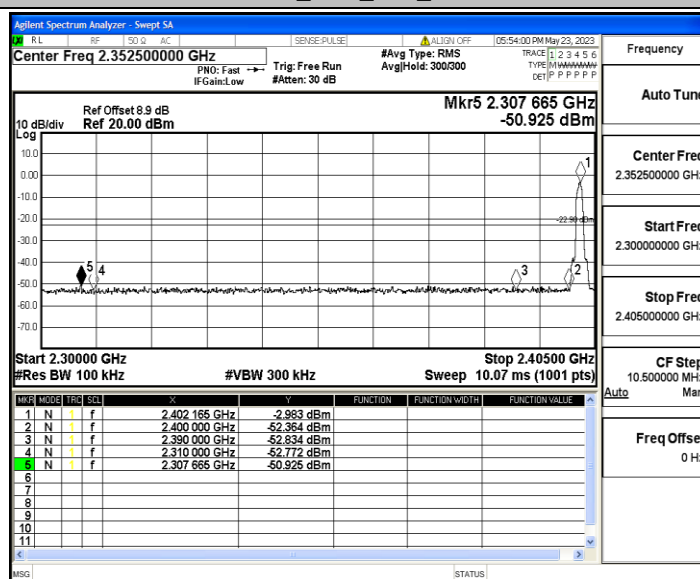
2DH5_Ant1_Low_Hop_2402



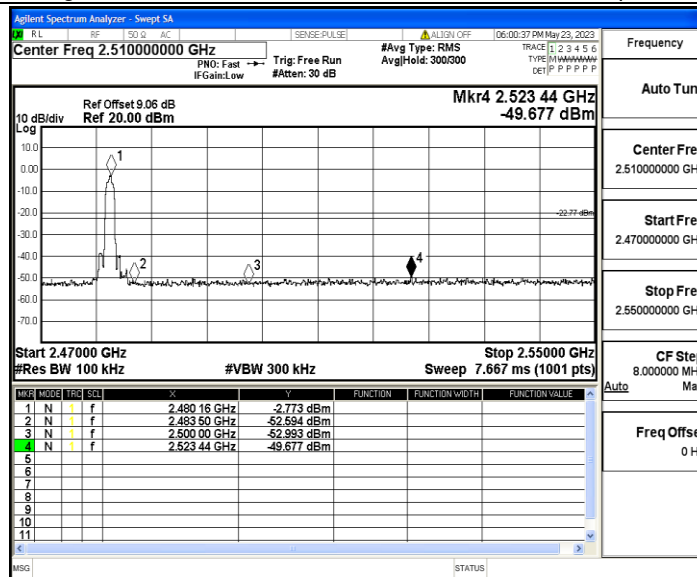
2DH5_Ant1_High_Hop_2480



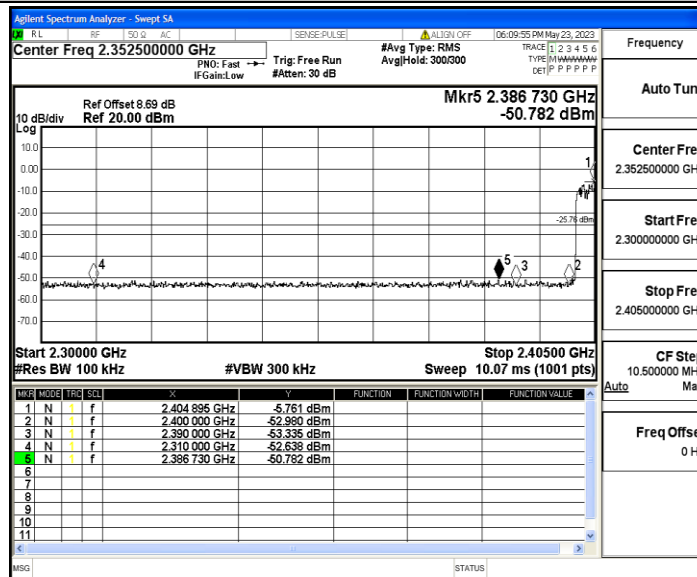
3DH5_Ant1_Low_2402



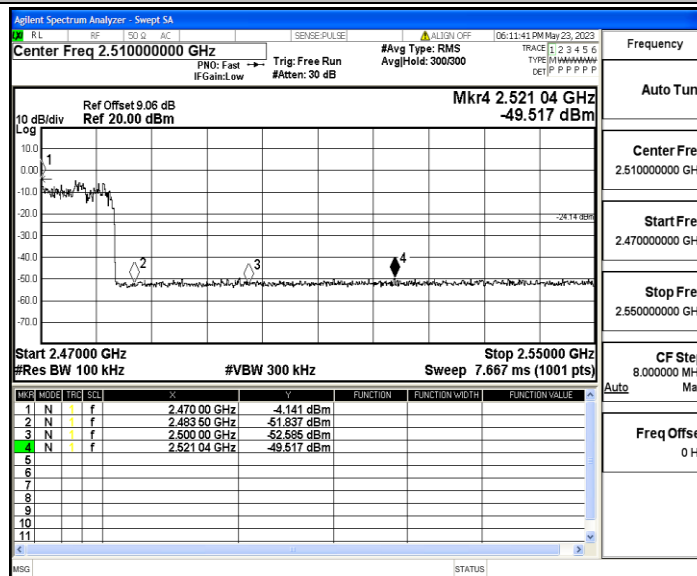
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



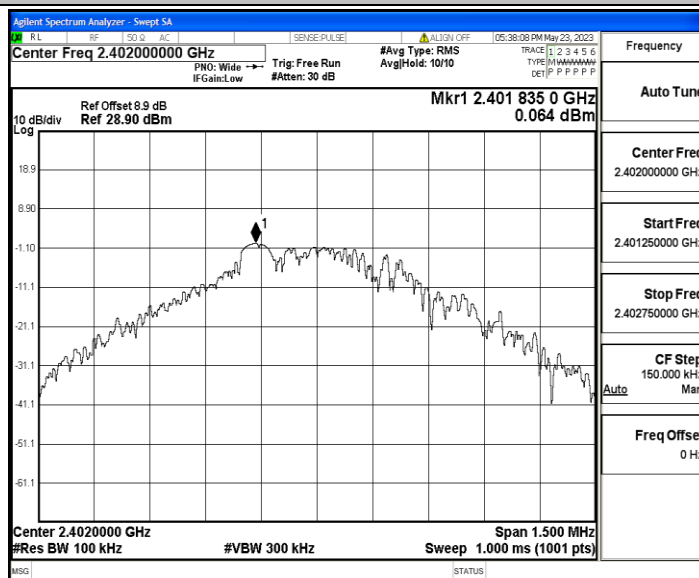
Appendix H: Conducted Spurious Emission

Test Result

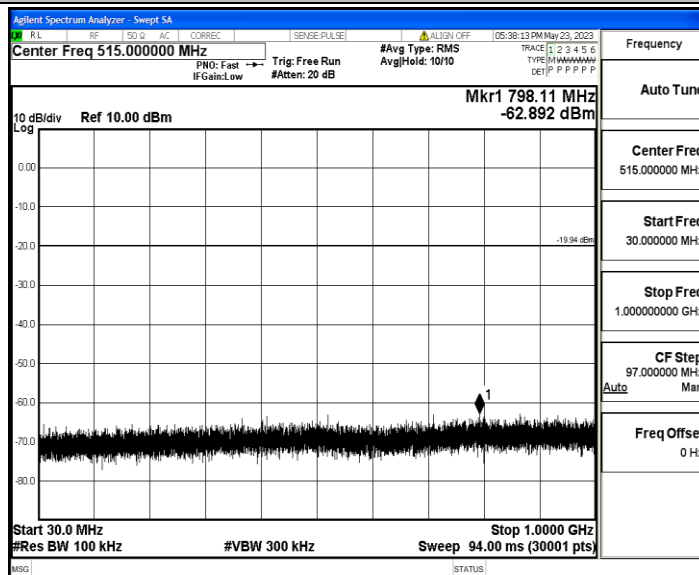
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.06	0.06	---	PASS
			30~1000	0.06	-62.89	≤-19.94	PASS
			1000~26500	0.06	-49.52	≤-19.94	PASS
		2441	Reference	-1.00	-1.00	---	PASS
			30~1000	-1.00	-62.35	≤-21	PASS
			1000~26500	-1.00	-49.42	≤-21	PASS
		2480	Reference	0.31	0.31	---	PASS
			30~1000	0.31	-62.74	≤-19.69	PASS
			1000~26500	0.31	-50.13	≤-19.69	PASS
2DH5	Ant1	2402	Reference	-5.72	-5.72	---	PASS
			30~1000	-5.72	-62.26	≤-25.72	PASS
			1000~26500	-5.72	-50.7	≤-25.72	PASS
		2441	Reference	-0.85	-0.85	---	PASS
			30~1000	-0.85	-62.41	≤-20.85	PASS
			1000~26500	-0.85	-50.25	≤-20.85	PASS
		2480	Reference	-6.38	-6.38	---	PASS
			30~1000	-6.38	-62.89	≤-26.38	PASS
			1000~26500	-6.38	-50.86	≤-26.38	PASS
3DH5	Ant1	2402	Reference	-5.65	-5.65	---	PASS
			30~1000	-5.65	-62.54	≤-25.65	PASS
			1000~26500	-5.65	-50.96	≤-25.65	PASS
		2441	Reference	-3.30	-3.30	---	PASS
			30~1000	-3.30	-62.69	≤-23.3	PASS
			1000~26500	-3.30	-50.63	≤-23.3	PASS
		2480	Reference	-5.31	-5.31	---	PASS
			30~1000	-5.31	-62.64	≤-25.31	PASS
			1000~26500	-5.31	-50.78	≤-25.31	PASS

Test Graphs

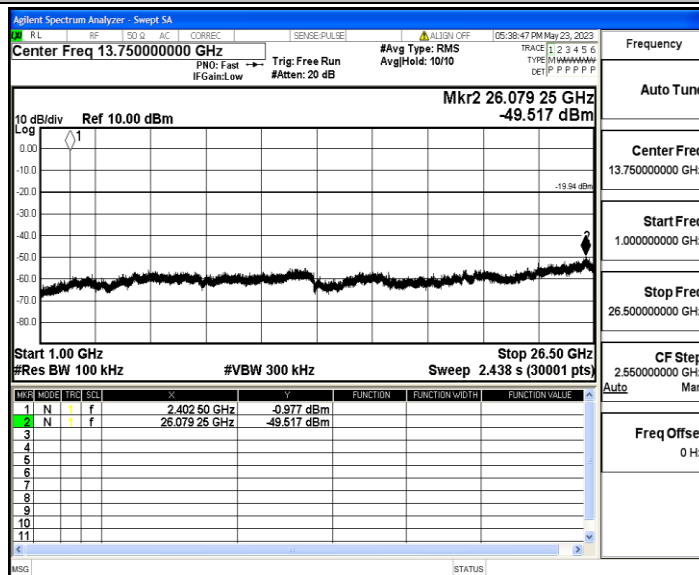
DH5_Ant1_2402_0~Reference



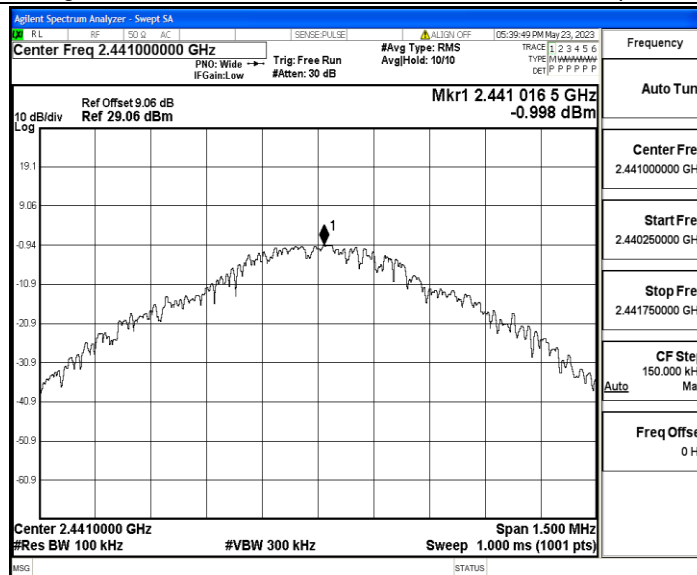
DH5_Ant1_2402_30~1000



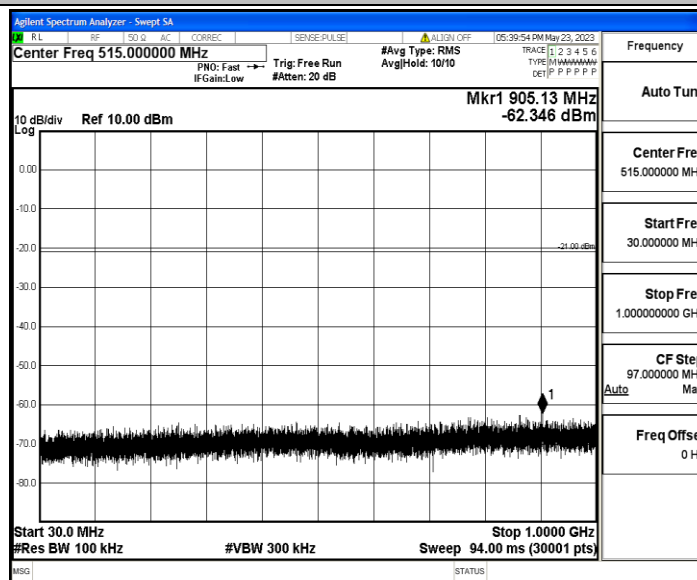
DH5_Ant1_2402_1000~26500



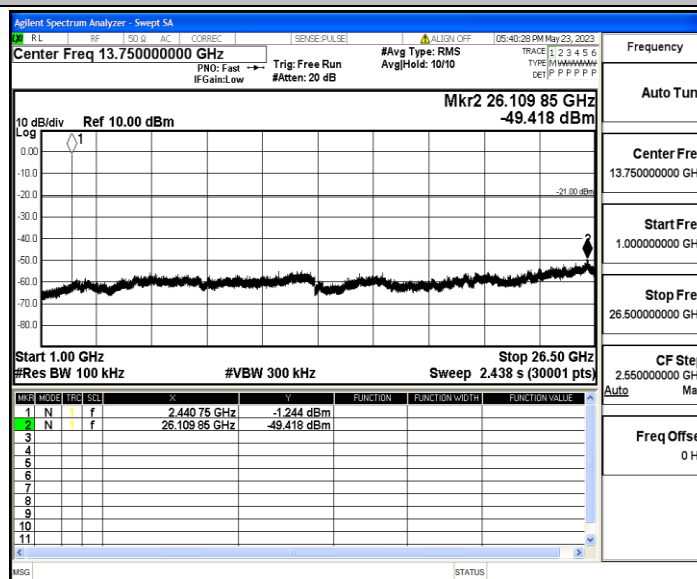
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference