

RF Test Data for BT(BDR/EDR) (Conducted Measurement)**Product Name: Bluetooth Headphone****Trade Mark: Vivitar****Test Model: LUP052****FCC ID: 2AL9B-LUP052****Environmental Conditions**

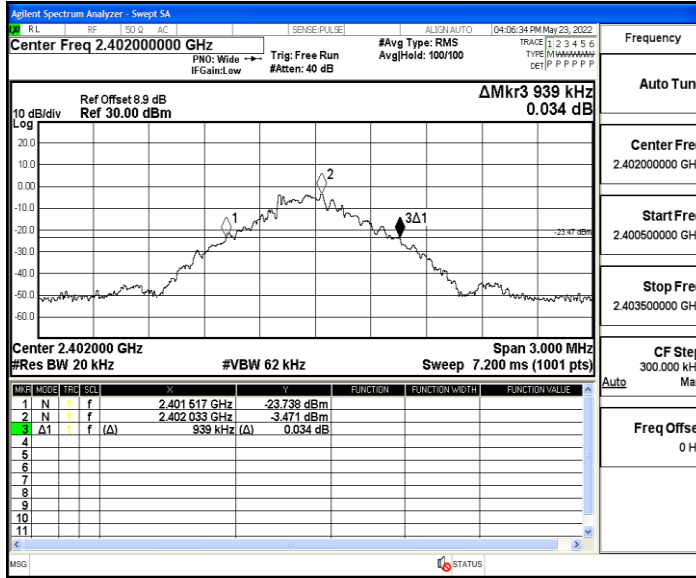
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth**Test Result**

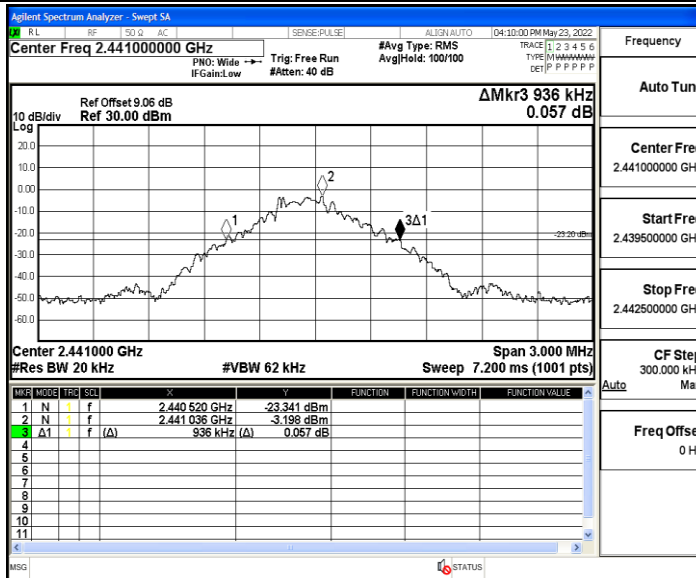
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.939	2401.517	2402.456	---	---
		2441	0.936	2440.520	2441.456	---	---
		2480	0.861	2479.523	2480.384	---	---
2DH5	Ant1	2402	1.353	2401.304	2402.657	---	---
		2441	1.311	2440.322	2441.633	---	---
		2480	1.356	2479.307	2480.663	---	---
3DH5	Ant1	2402	1.278	2401.328	2402.606	---	---
		2441	1.341	2440.301	2441.642	---	---
		2480	1.275	2479.331	2480.606	---	---

Test Graphs

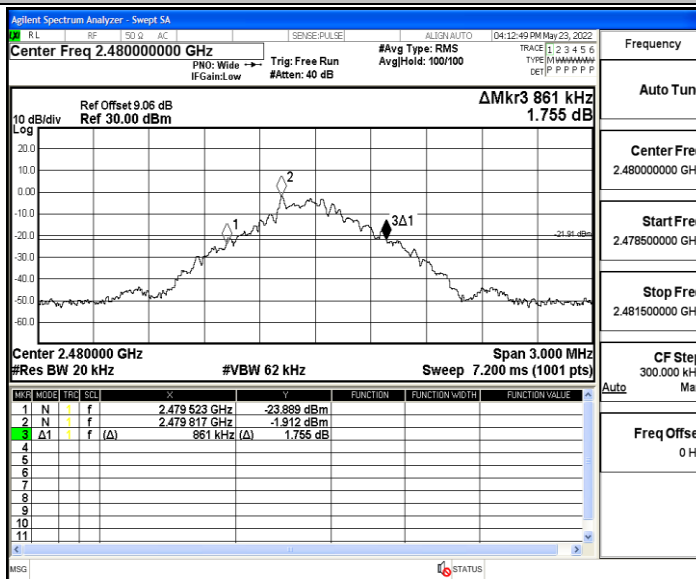
DH5_Ant1_2402



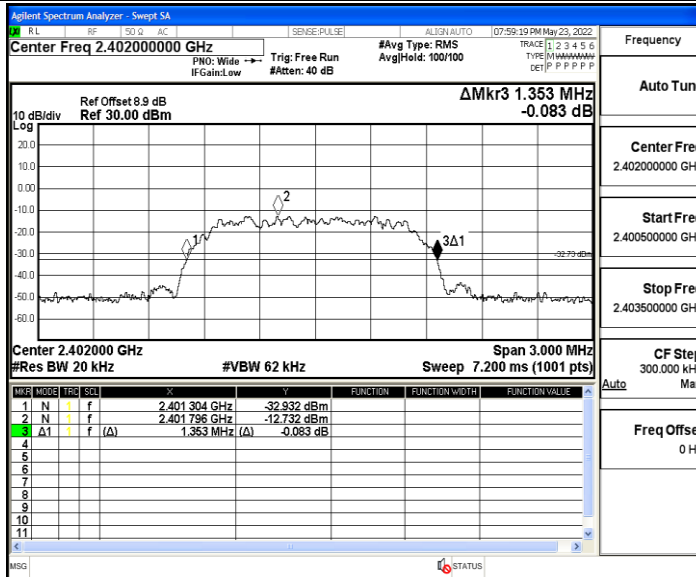
DH5_Ant1_2441



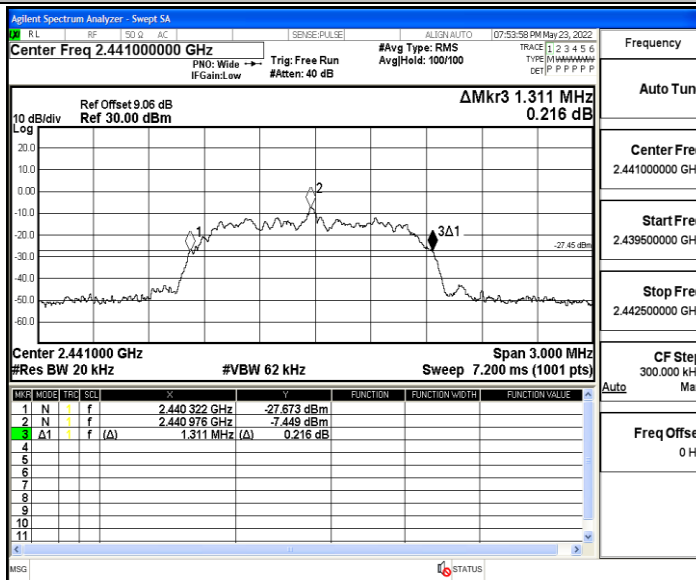
DH5_Ant1_2480



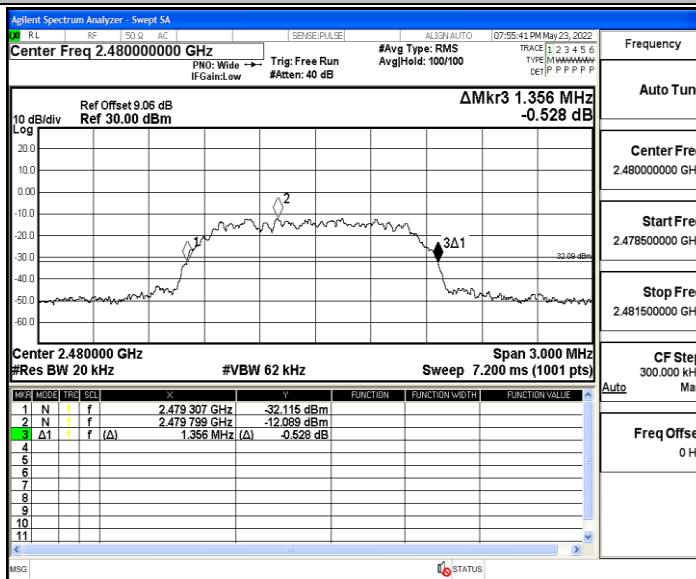
2DH5_Ant1_2402



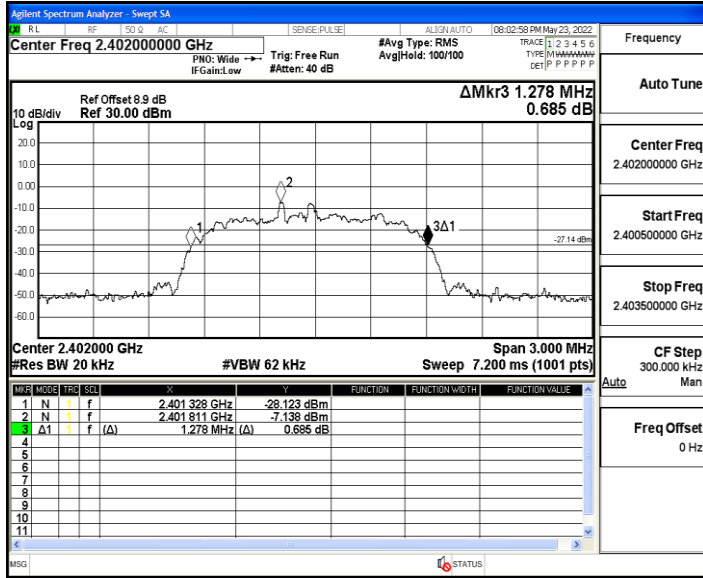
2DH5_Ant1_2441



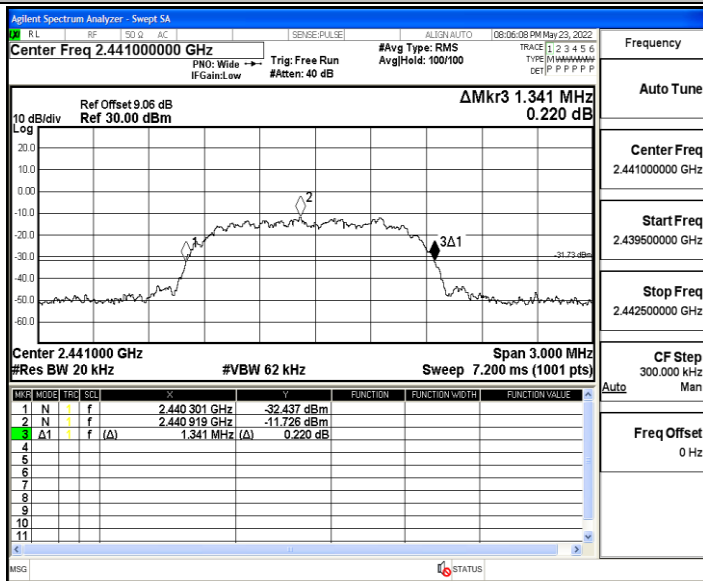
2DH5_Ant1_2480



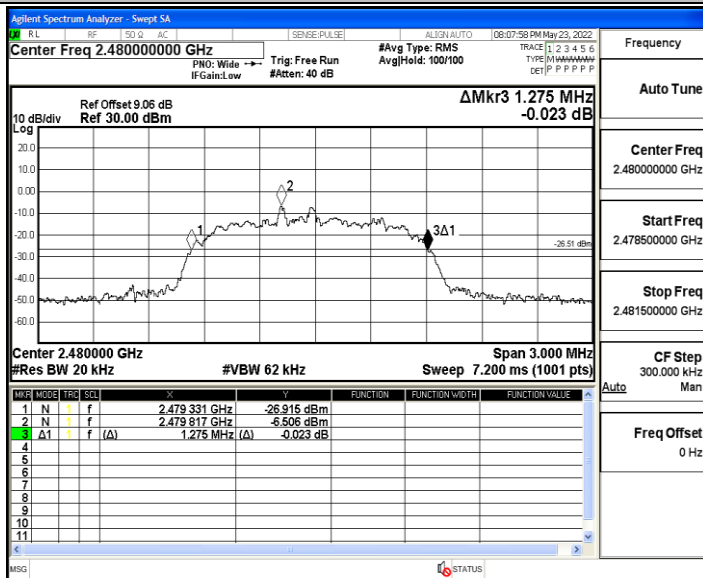
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



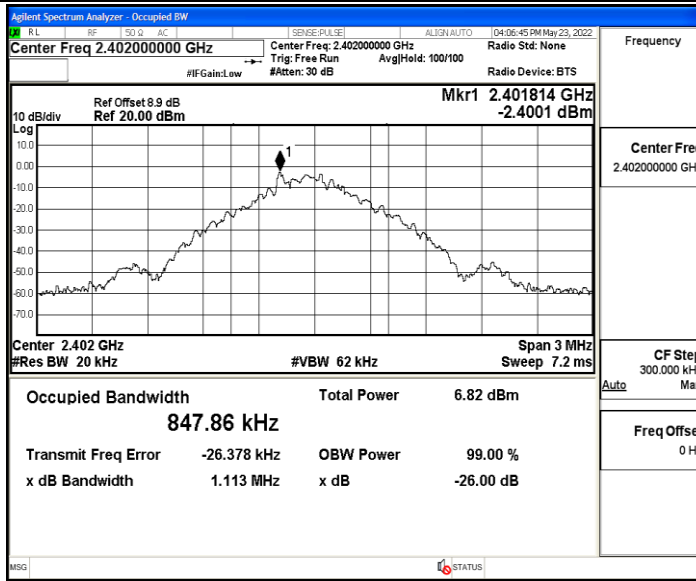
Appendix B: Occupied Channel Bandwidth

Test Result

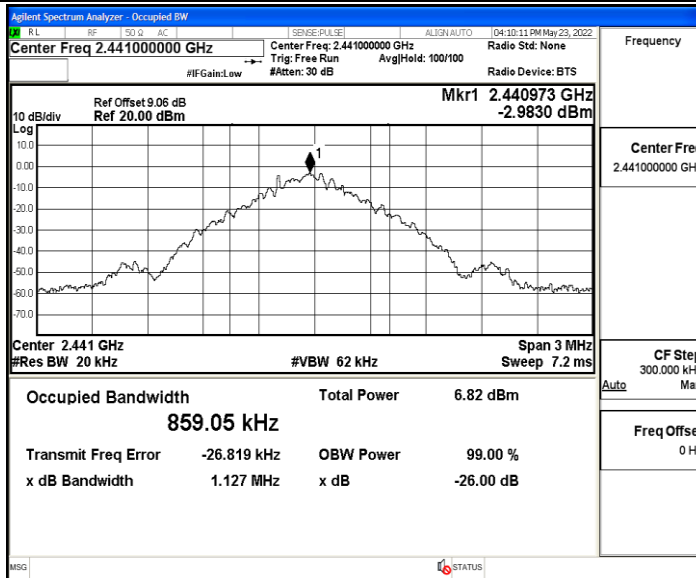
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84786	2401.550	2402.398	---	---
		2441	0.85905	2440.544	2441.403	---	---
		2480	0.85582	2479.547	2480.403	---	---
2DH5	Ant1	2402	1.1823	2401.386	2402.568	---	---
		2441	1.1867	2440.384	2441.571	---	---
		2480	1.1952	2479.382	2480.578	---	---
3DH5	Ant1	2402	1.1897	2401.375	2402.565	---	---
		2441	1.1875	2440.379	2441.567	---	---
		2480	1.1895	2479.380	2480.570	---	---

Test Graphs

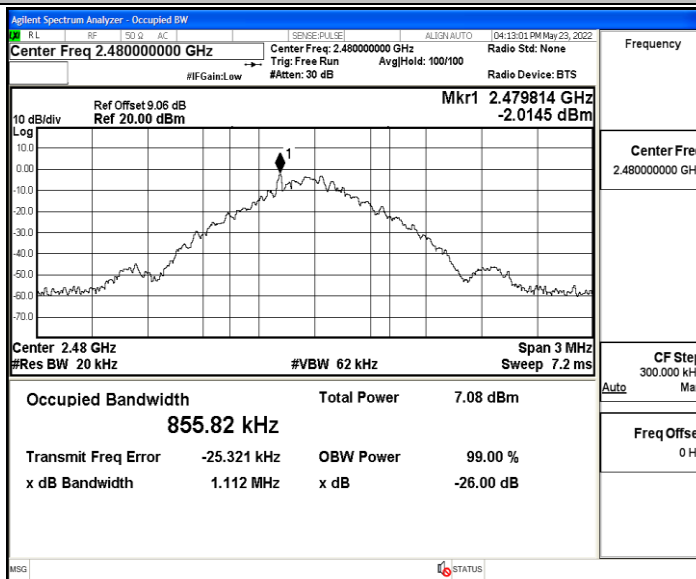
DH5_Ant1_2402



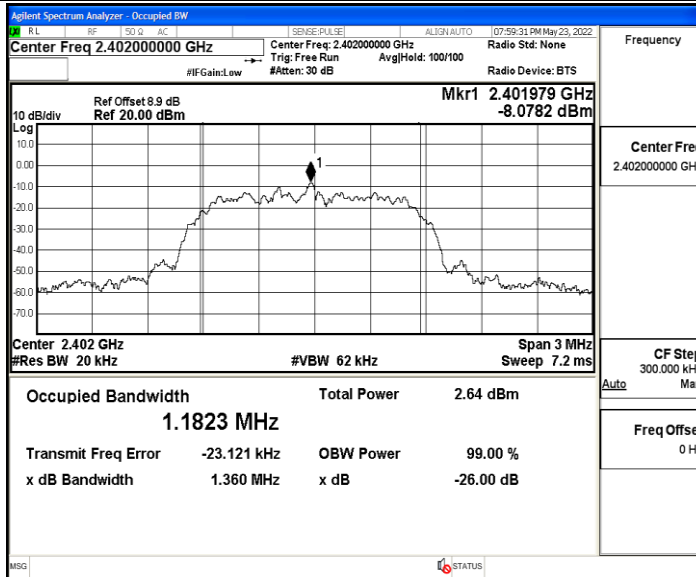
DH5_Ant1_2441



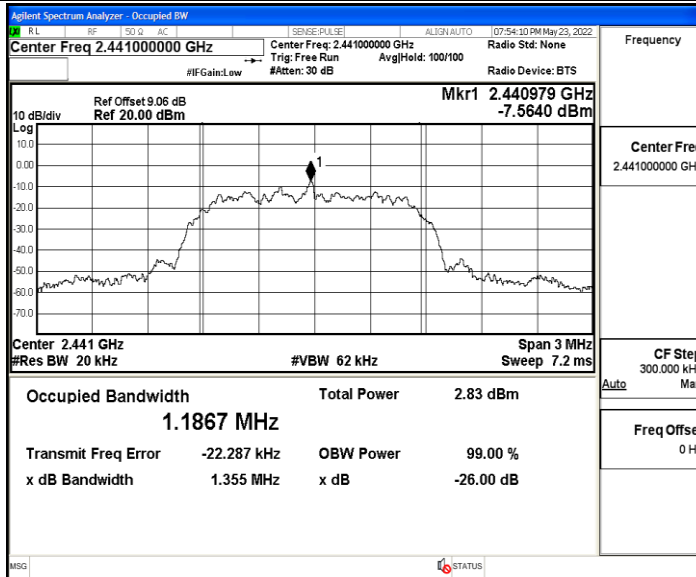
DH5_Ant1_2480



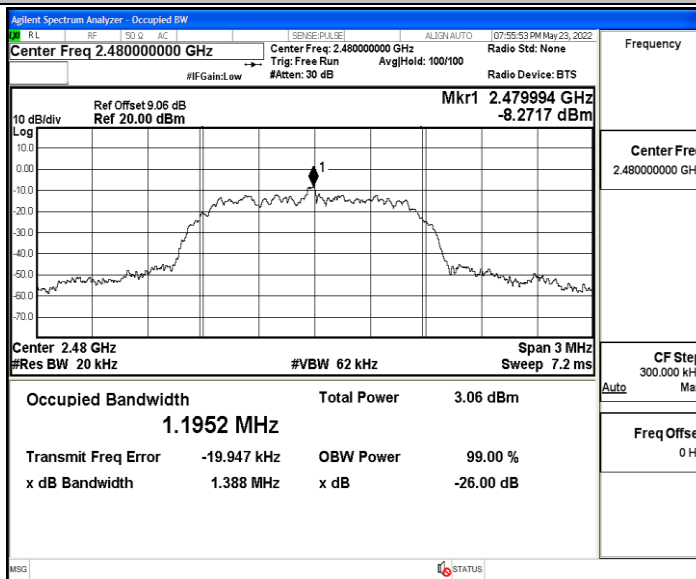
2DH5_Ant1_2402



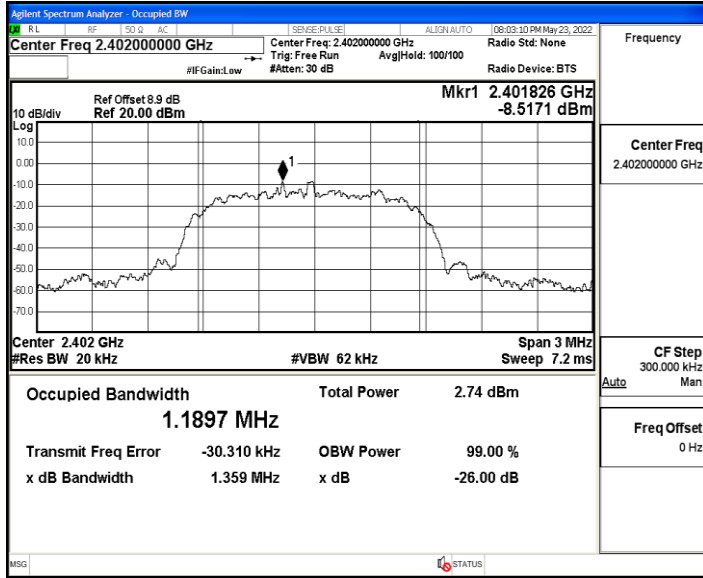
2DH5_Ant1_2441



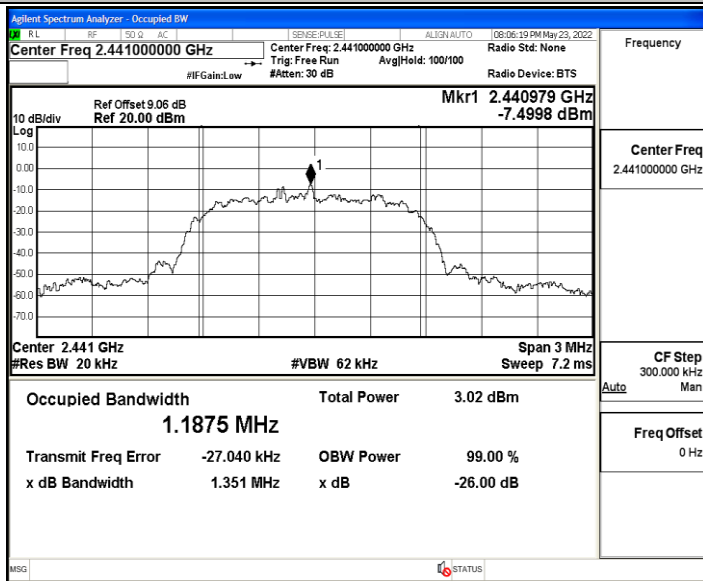
2DH5_Ant1_2480



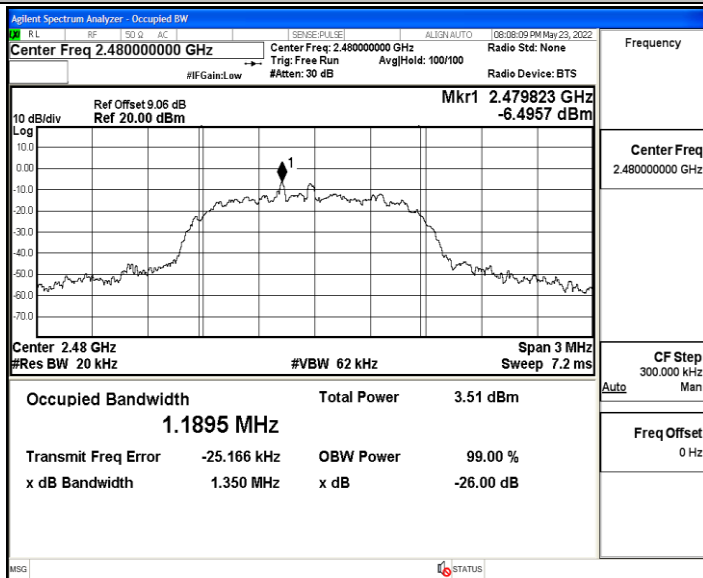
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



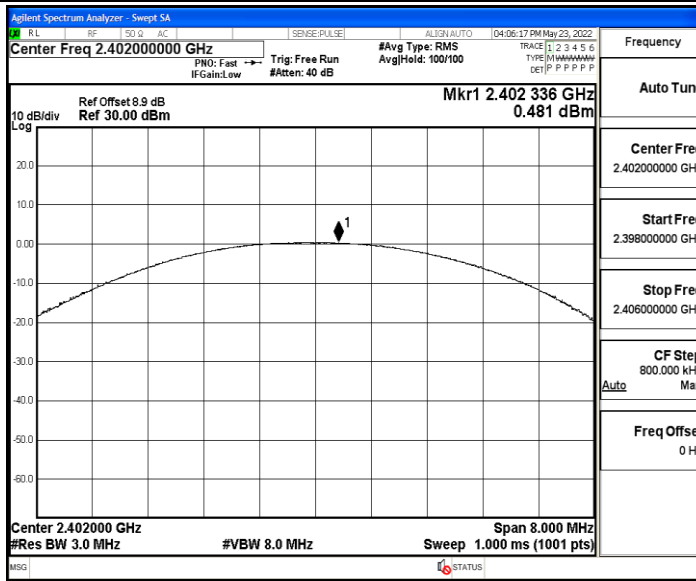
Appendix C: Maximum conducted output power

Test Result

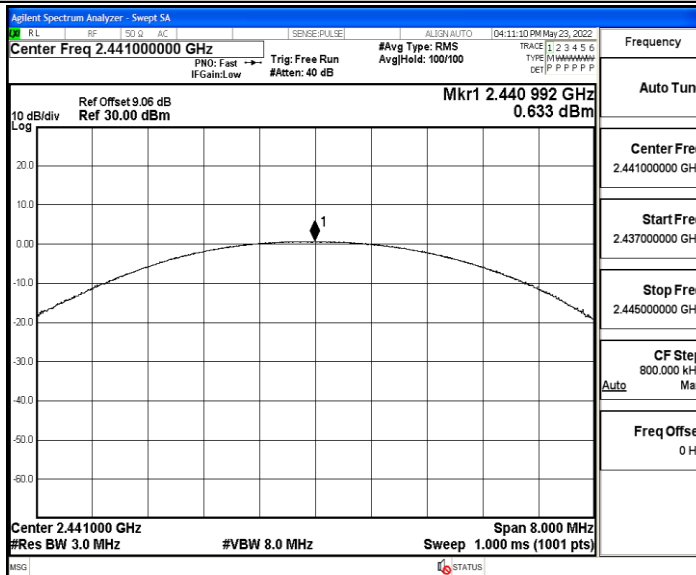
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.48	≤30	PASS
		2441	0.63	≤30	PASS
		2480	0.79	≤30	PASS
2DH5	Ant1	2402	-1.19	≤20.97	PASS
		2441	-0.85	≤20.97	PASS
		2480	-0.59	≤20.97	PASS
3DH5	Ant1	2402	-0.48	≤20.97	PASS
		2441	-0.2	≤20.97	PASS
		2480	-0.04	≤20.97	PASS

Test Graphs

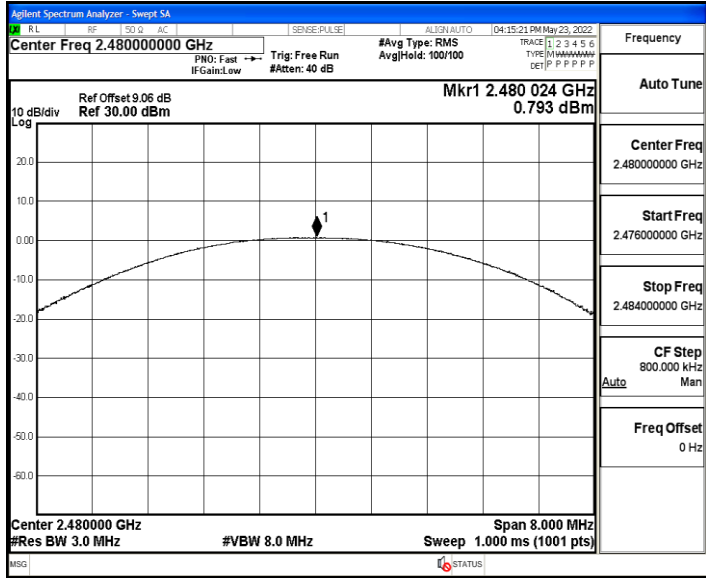
DH5_Ant1_2402



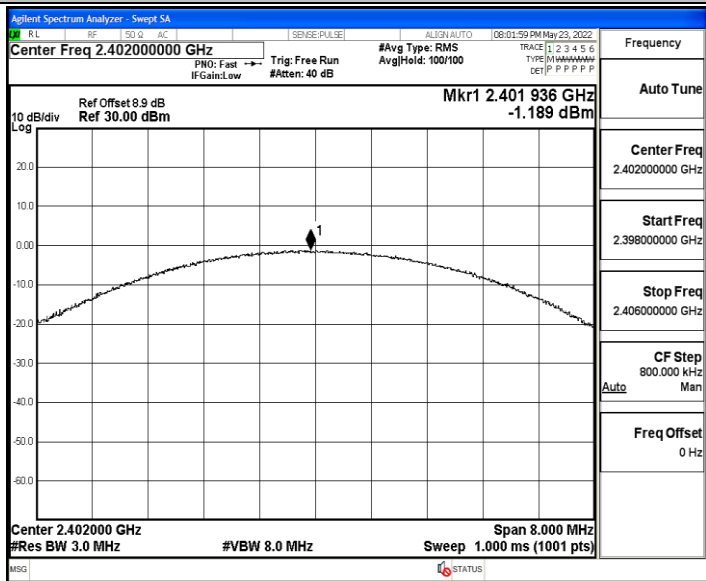
DH5_Ant1_2441



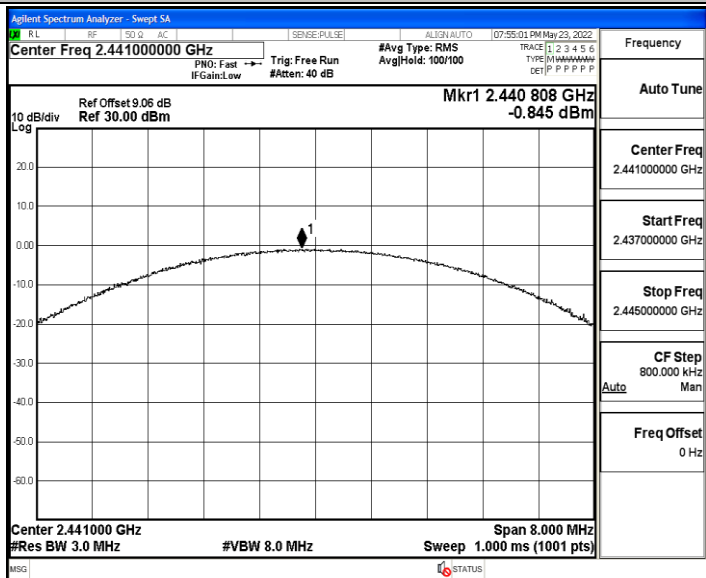
DH5_Ant1_2480



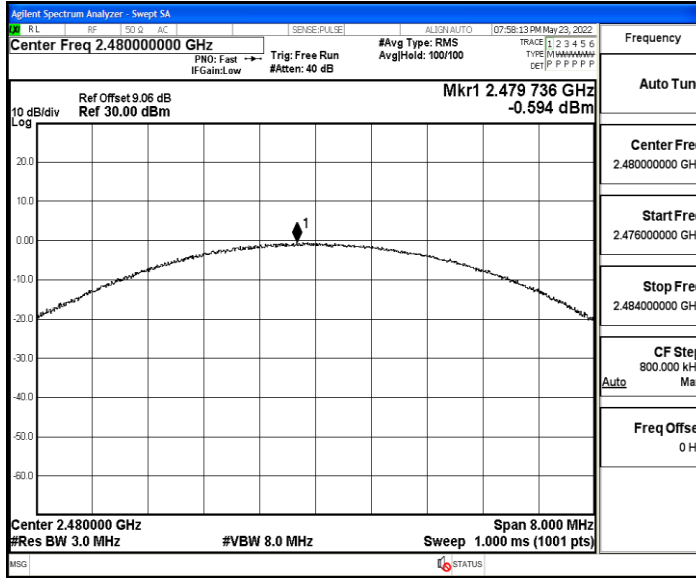
2DH5_Ant1_2402



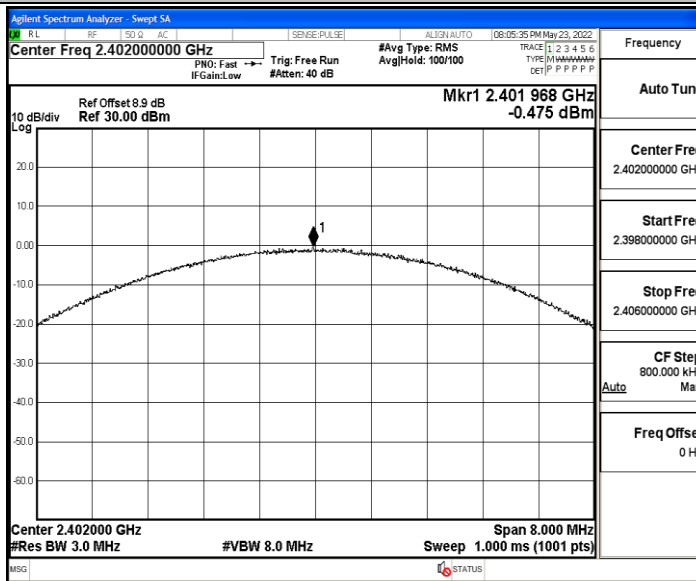
2DH5_Ant1_2441



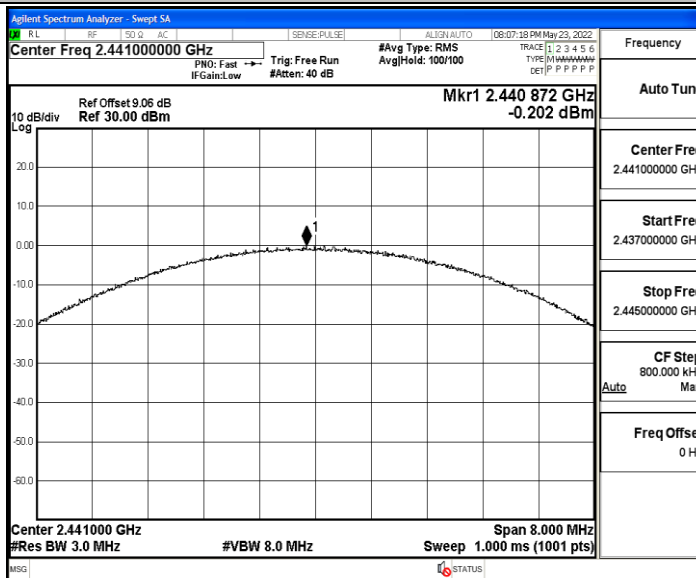
2DH5_Ant1_2480



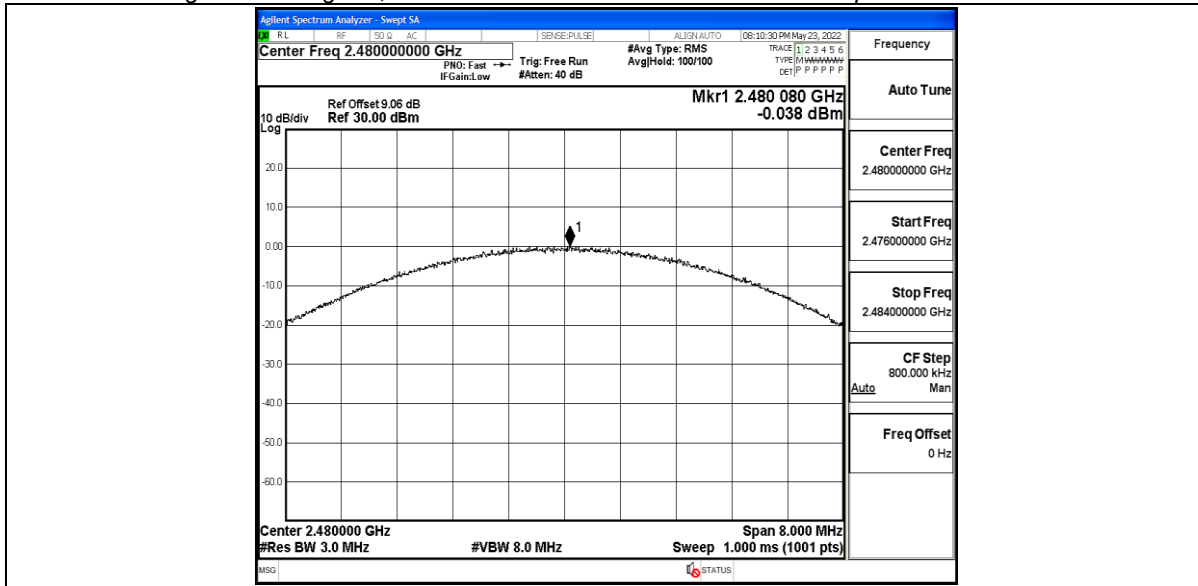
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



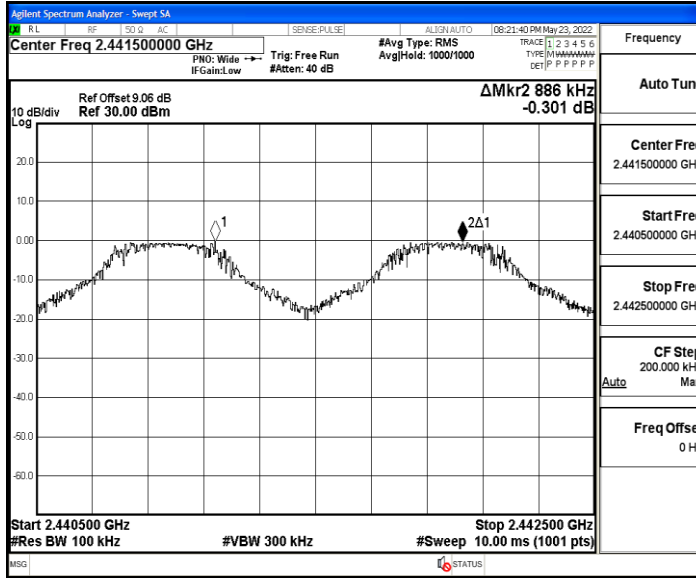
Appendix D: Carrier frequency separation

Test Result

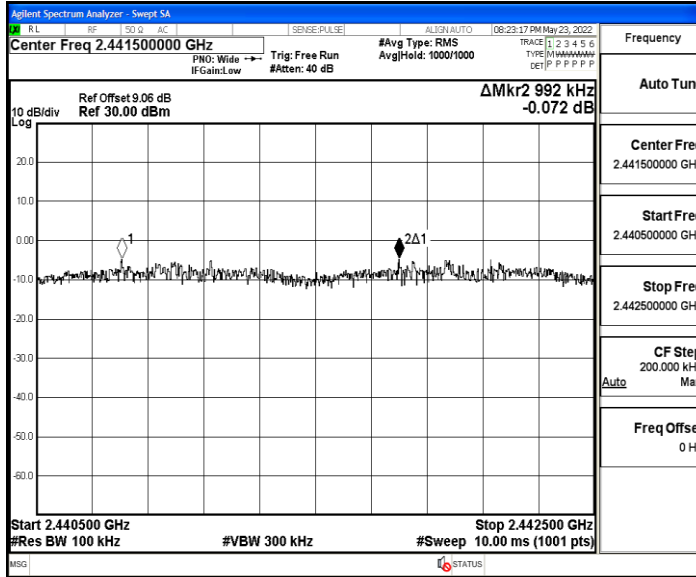
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.886	≥ 0.626	PASS
2DH5	Ant1	Hop	0.992	≥ 0.904	PASS
3DH5	Ant1	Hop	0.998	≥ 0.894	PASS

Test Graphs

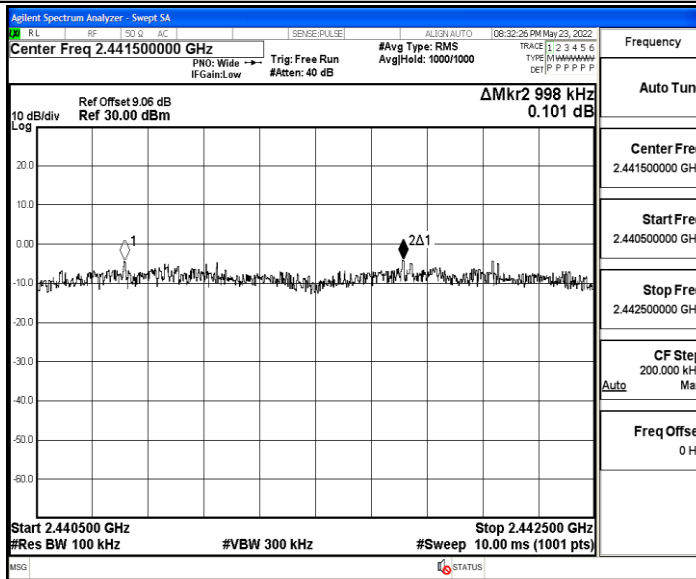
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



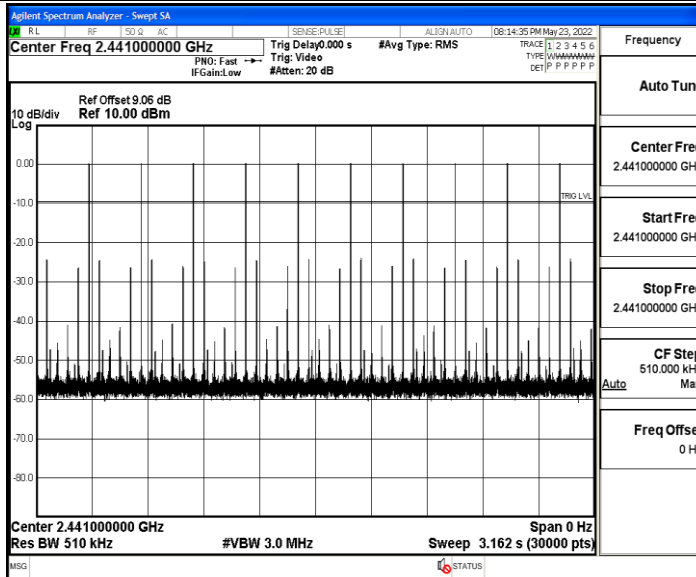
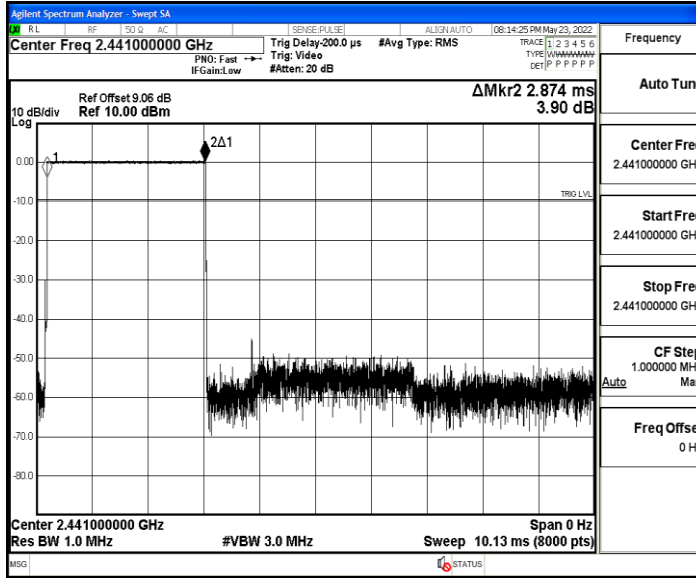
Appendix E: Time of occupancy

Test Result

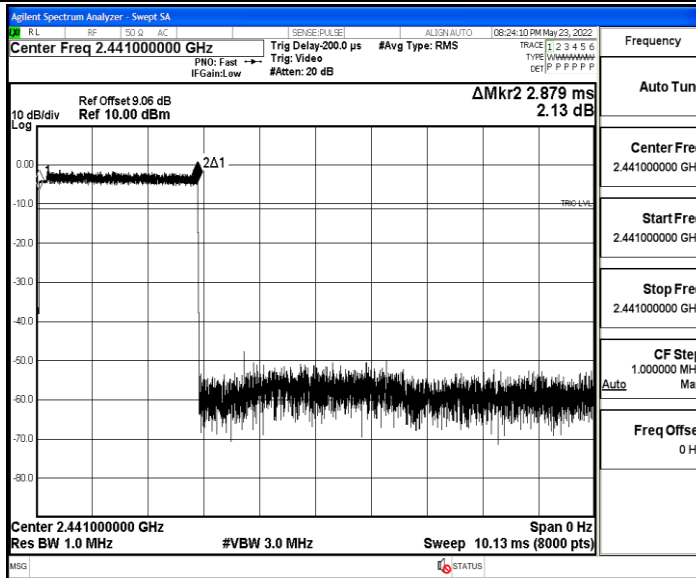
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.87	110	0.316	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

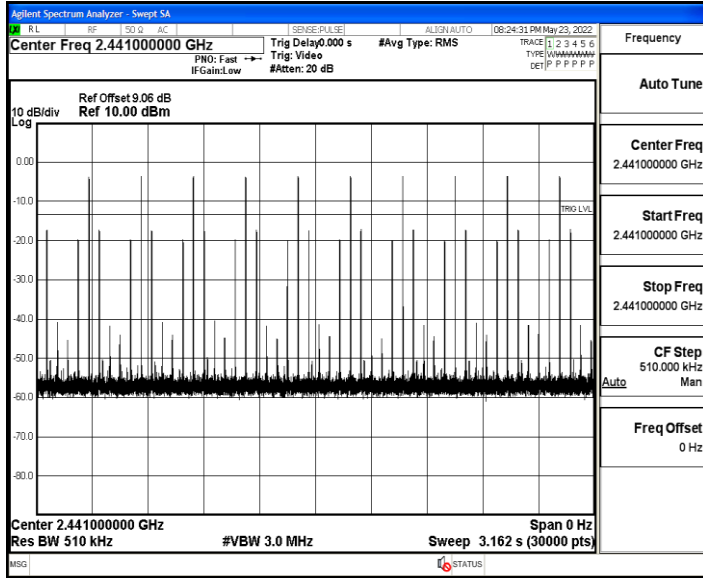
Test Graphs

DH5_Ant1_Hop

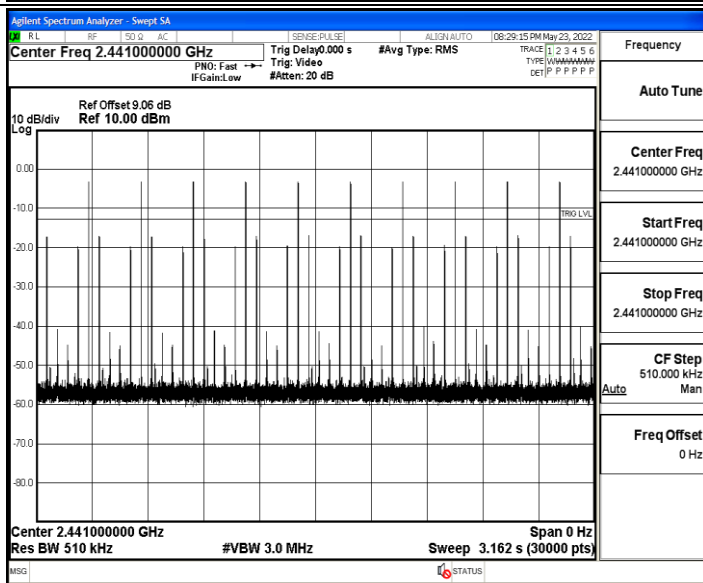
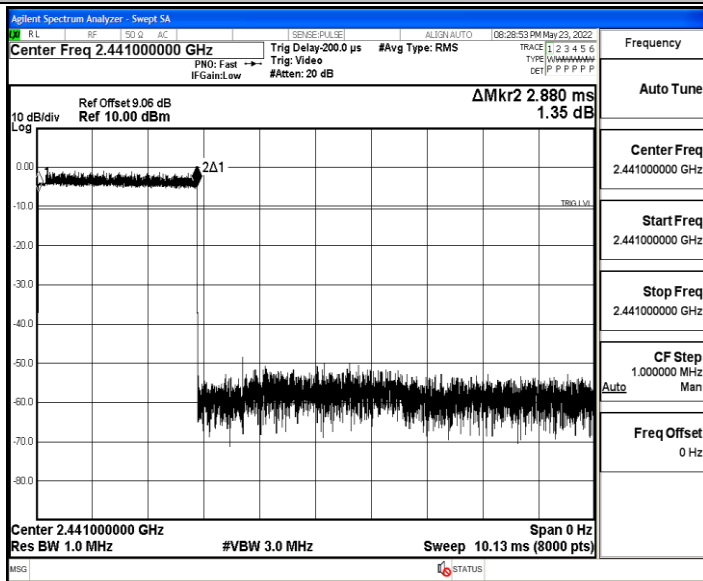


2DH5_Ant1_Hop





3DH5_Ant1_Hop



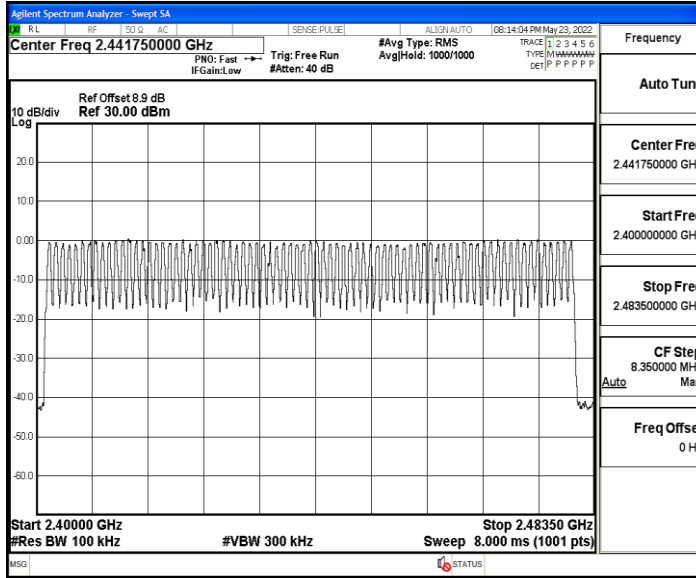
Appendix F: Number of hopping channels

Test Result

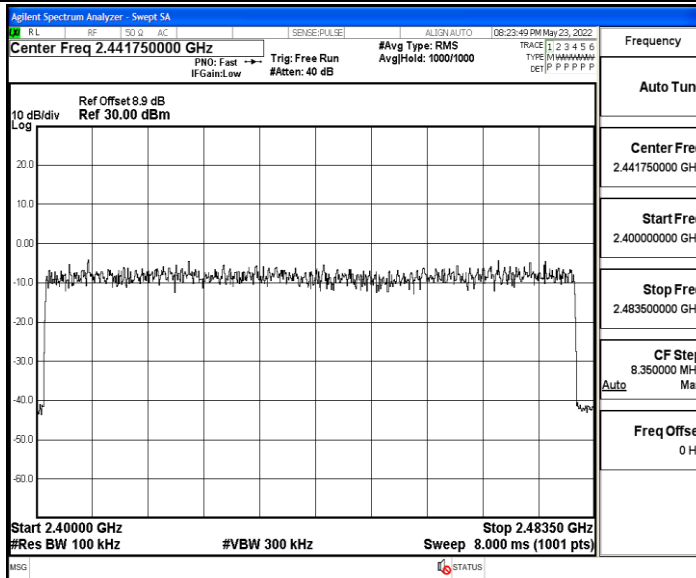
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

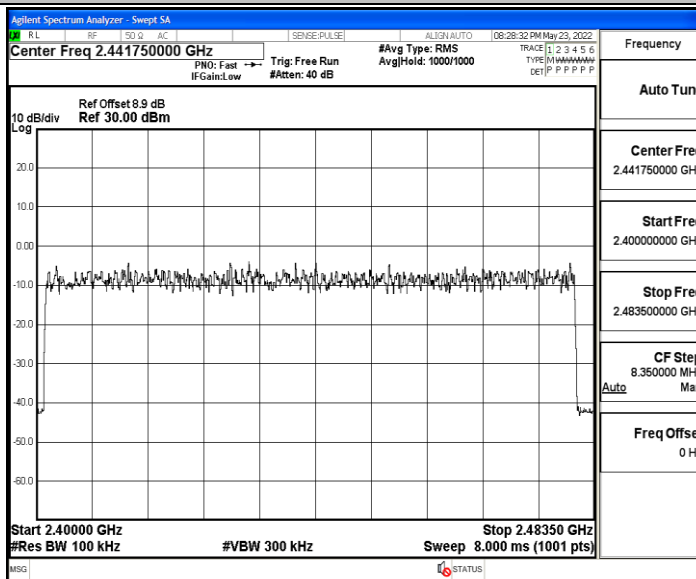
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



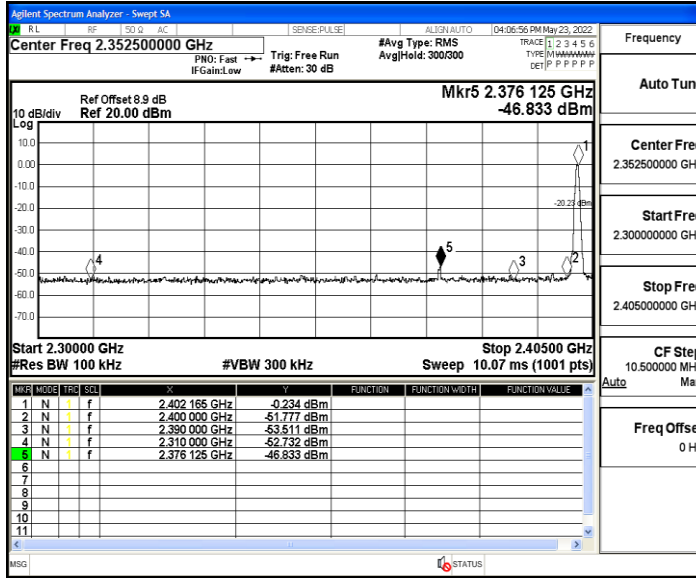
Appendix G: Band edge measurements

Test Result

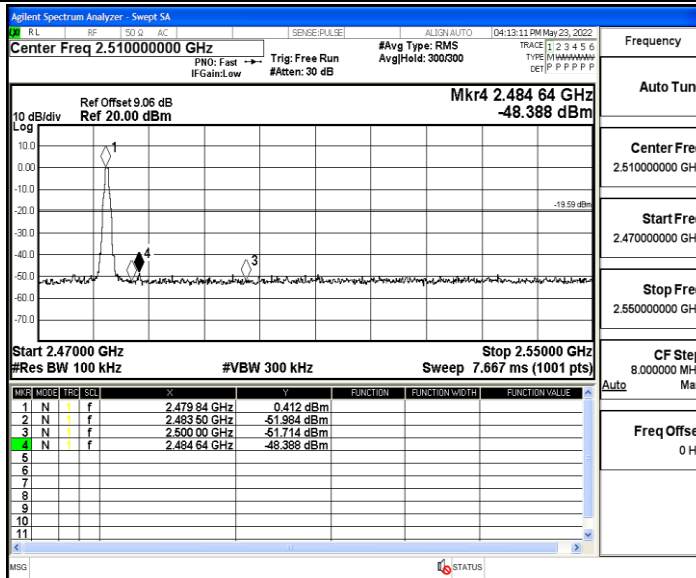
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.23	-46.83	≤-20.23	PASS
		High	2480	0.41	-48.39	≤-19.59	PASS
		Low	Hop_2402	-1.02	-47.74	≤-21.02	PASS
		High	Hop_2480	0.34	-48.76	≤-19.66	PASS
2DH5	Ant1	Low	2402	-5.52	-49.82	≤-25.52	PASS
		High	2480	-3.97	-50.08	≤-23.97	PASS
		Low	Hop_2402	-5.79	-50.62	≤-25.79	PASS
		High	Hop_2480	-5.34	-49.53	≤-25.34	PASS
3DH5	Ant1	Low	2402	-6.08	-50.07	≤-26.08	PASS
		High	2480	-4.05	-49.63	≤-24.05	PASS
		Low	Hop_2402	-6.48	-49.96	≤-26.48	PASS
		High	Hop_2480	-5.56	-49.69	≤-25.56	PASS

Test Graphs

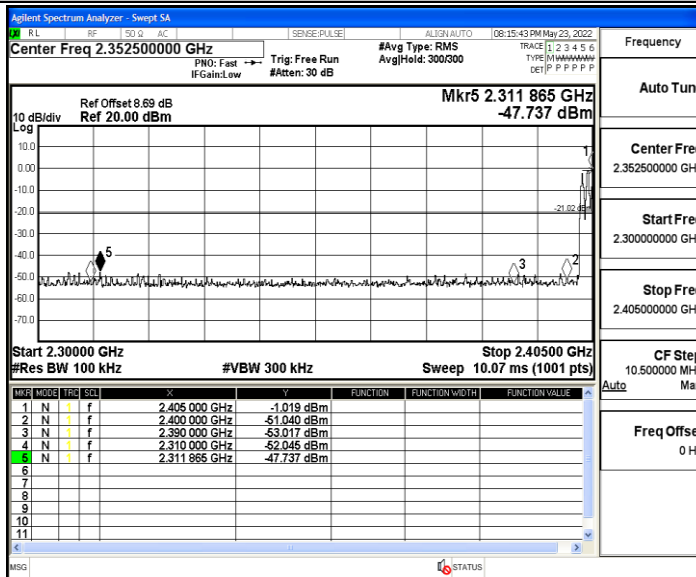
DH5_Ant1_Low_2402



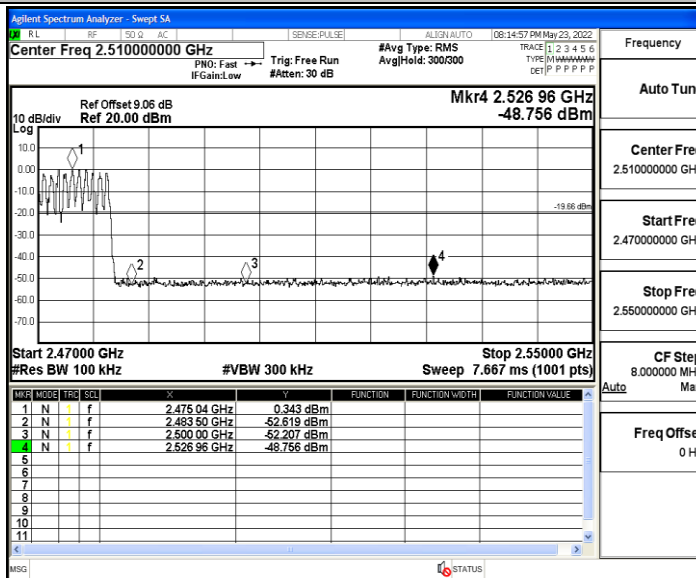
DH5_Ant1_High_2480



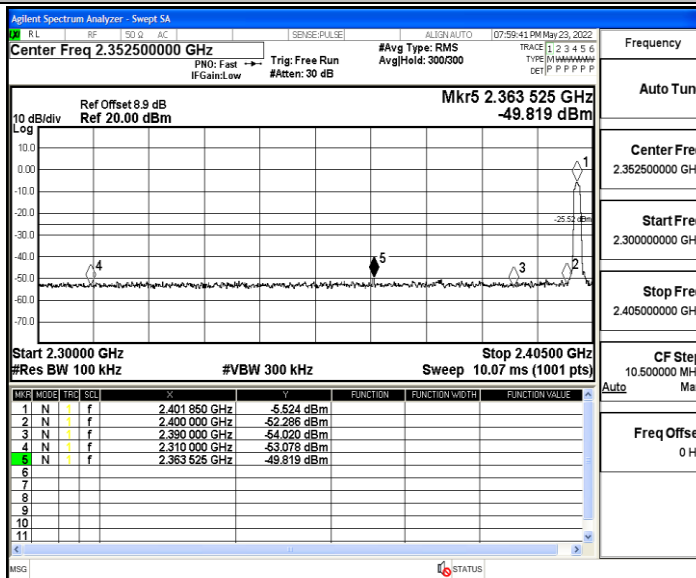
DH5_Ant1_Low_Hop_2402



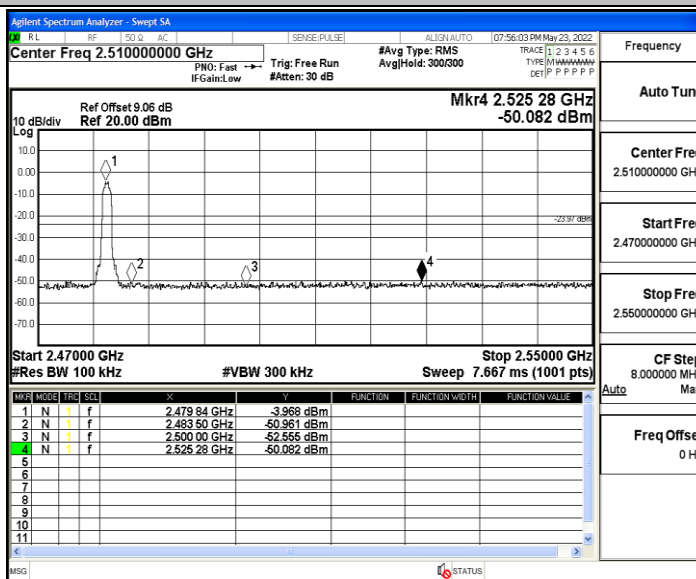
DH5_Ant1_High_Hop_2480



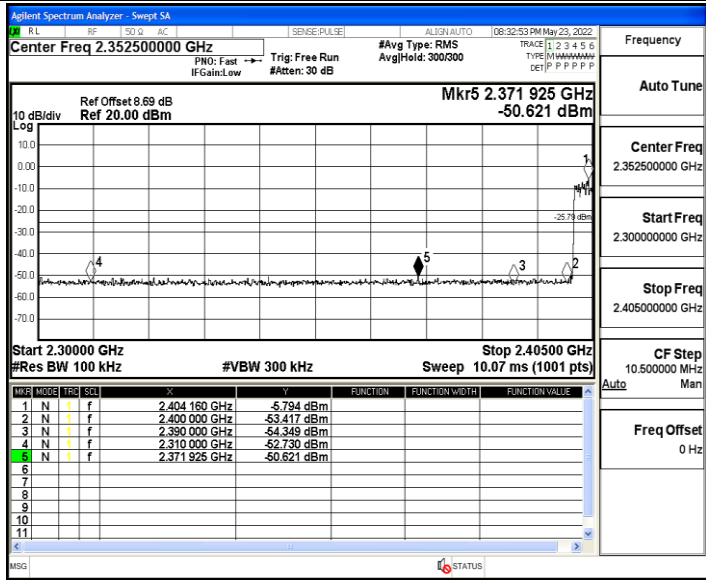
2DH5_Ant1_Low_2402



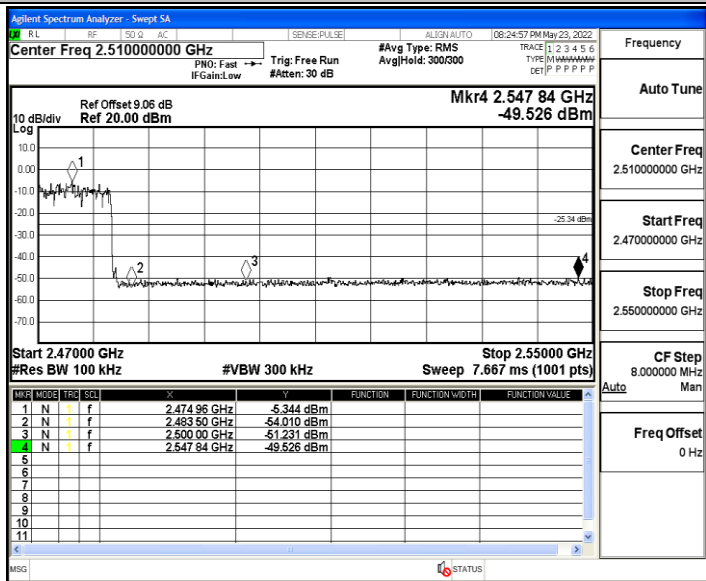
2DH5_Ant1_High_2480



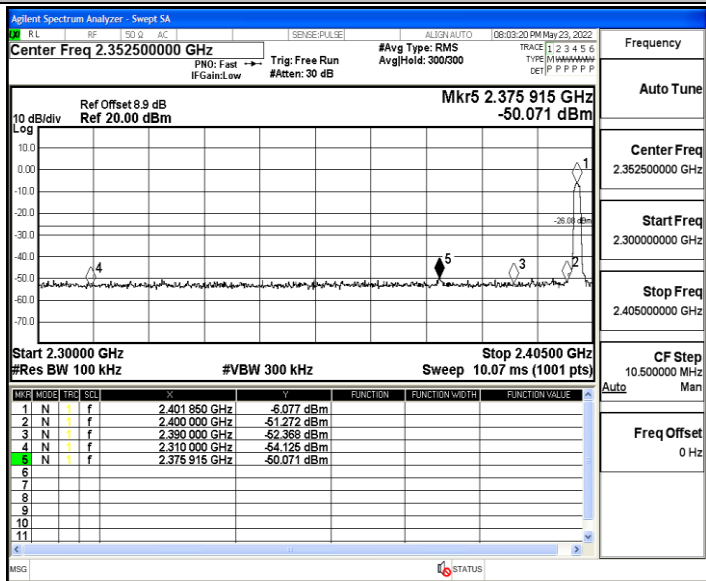
2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480