

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

Product Name: Wireless Earbuds

Trade Mark: N/A

Test Model: AI1015

FCC ID: 2AL9B-AI1015

Environmental Conditions

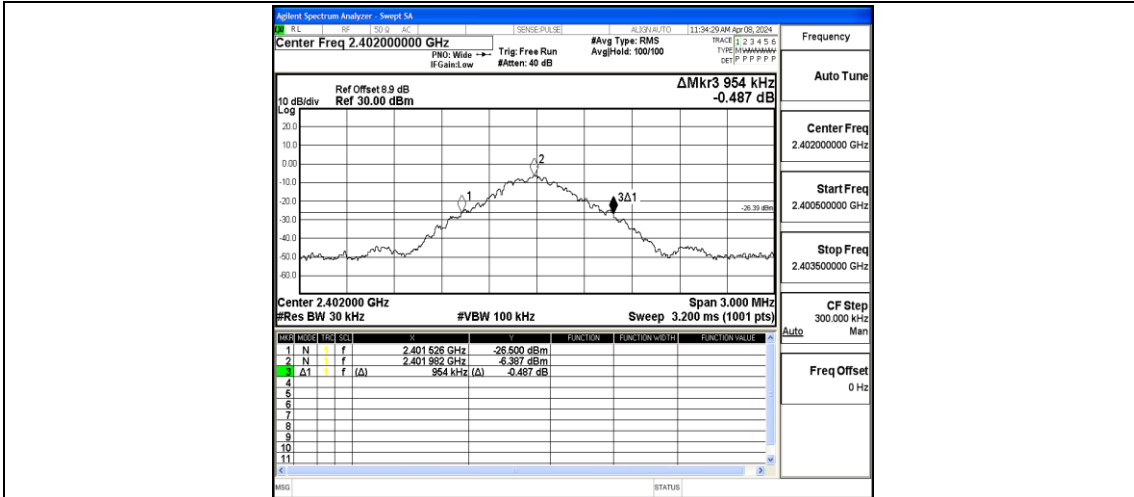
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

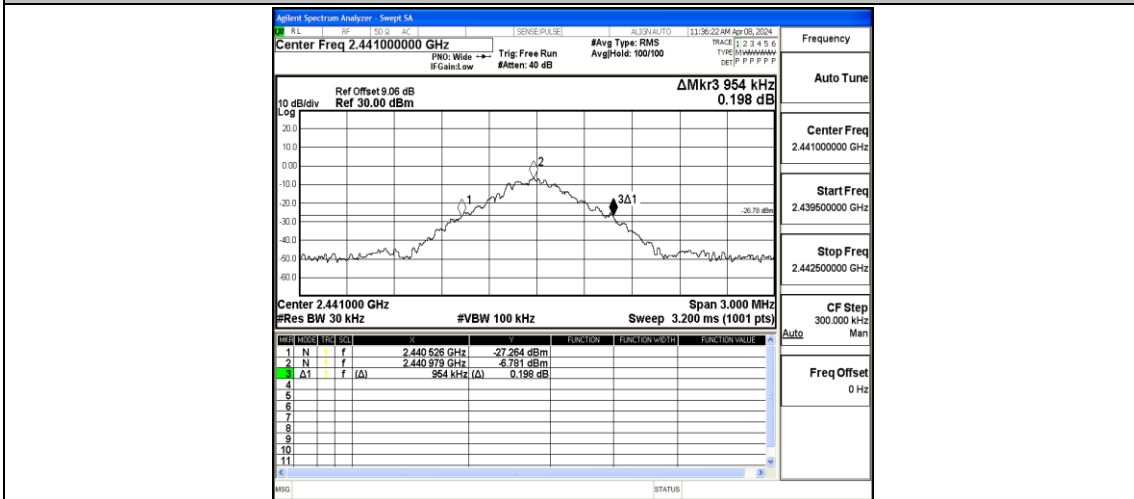
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.526	2402.480	---	---
DH5	Ant1	2441	0.954	2440.526	2441.480	---	---
DH5	Ant1	2480	0.951	2479.529	2480.480	---	---
2DH5	Ant1	2402	1.326	2401.325	2402.651	---	---
2DH5	Ant1	2441	1.323	2440.328	2441.651	---	---
2DH5	Ant1	2480	1.359	2479.310	2480.669	---	---
3DH5	Ant1	2402	1.257	2401.367	2402.624	---	---
3DH5	Ant1	2441	1.272	2440.358	2441.630	---	---
3DH5	Ant1	2480	1.299	2479.340	2480.639	---	---

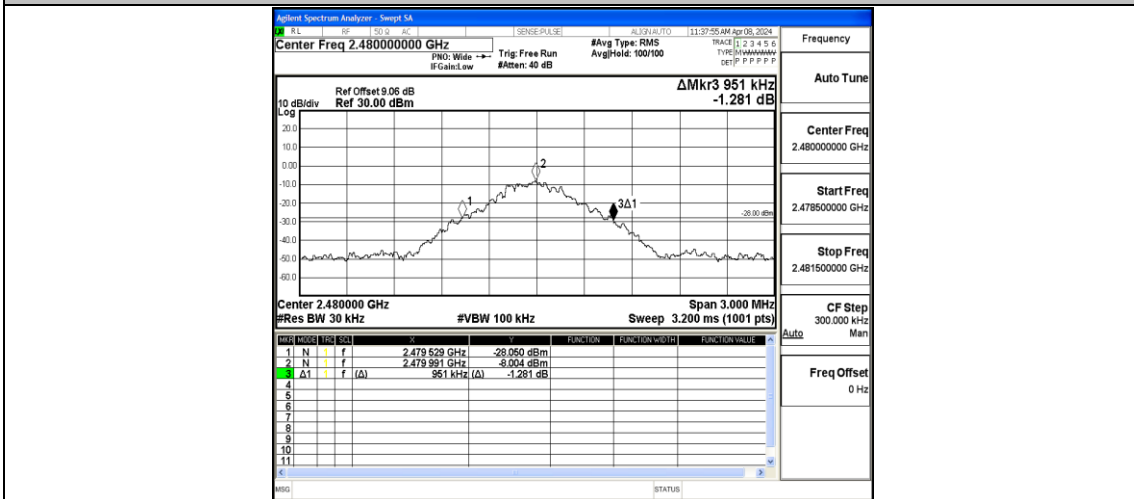
Test Graphs



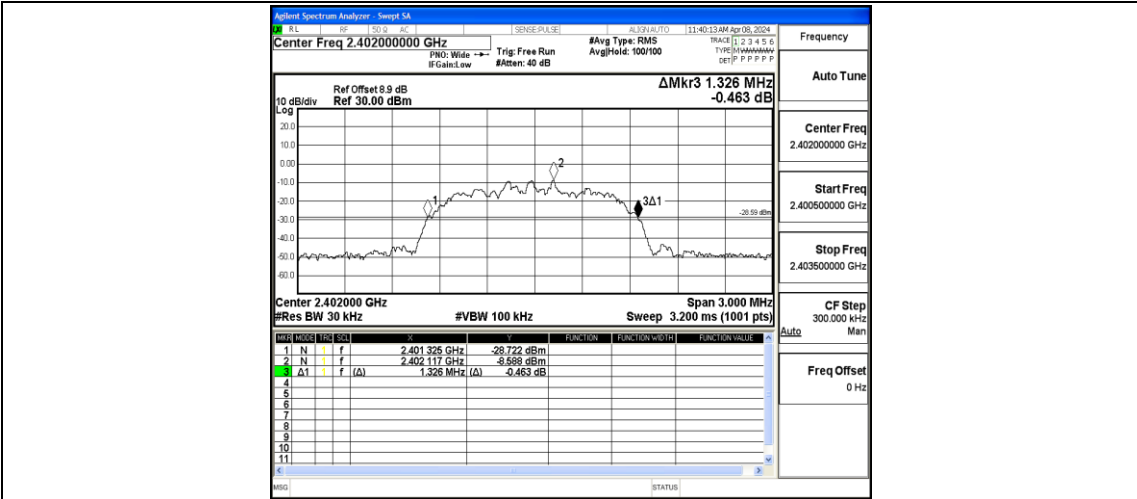
DH5-Ant1-2402



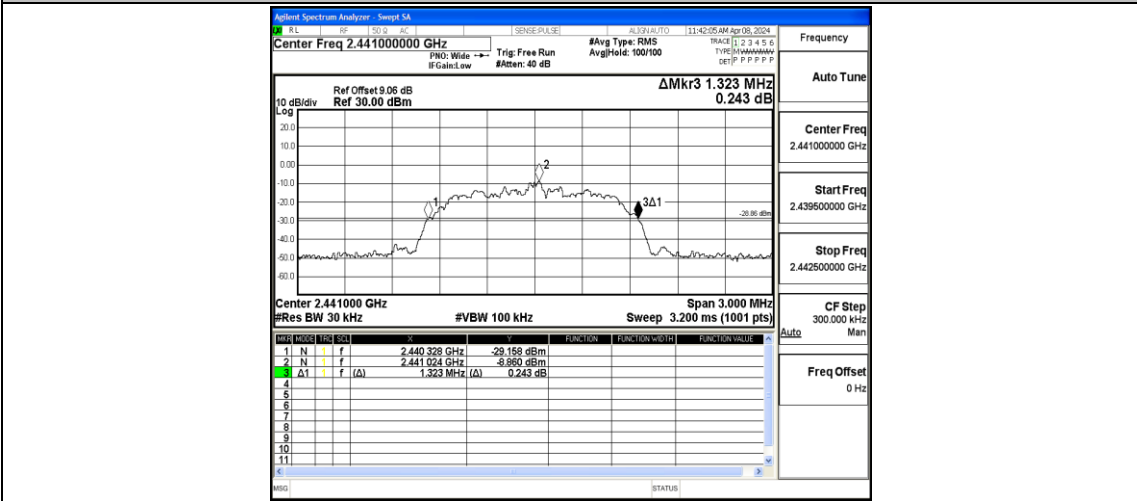
DH5-Ant1-2441



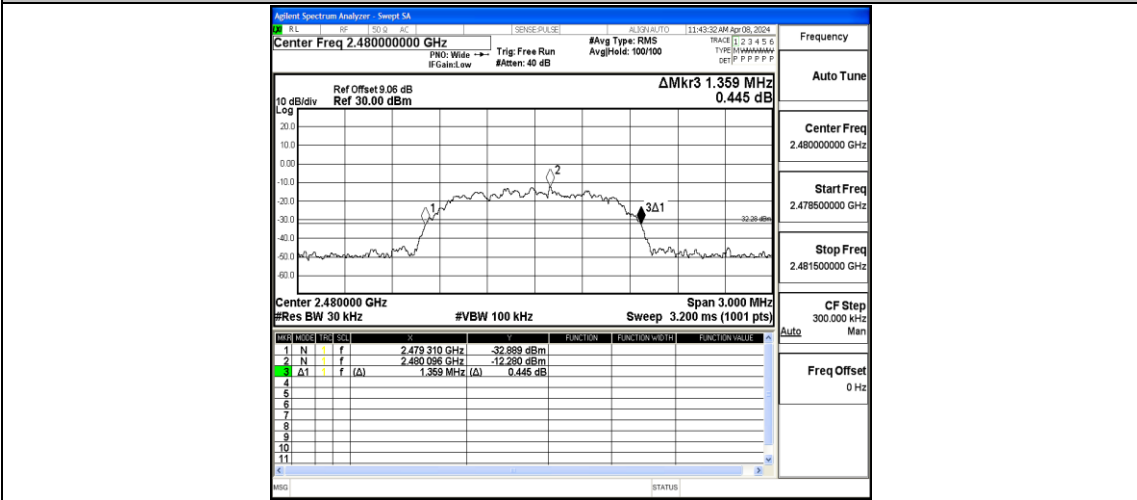
DH5-Ant1-2480



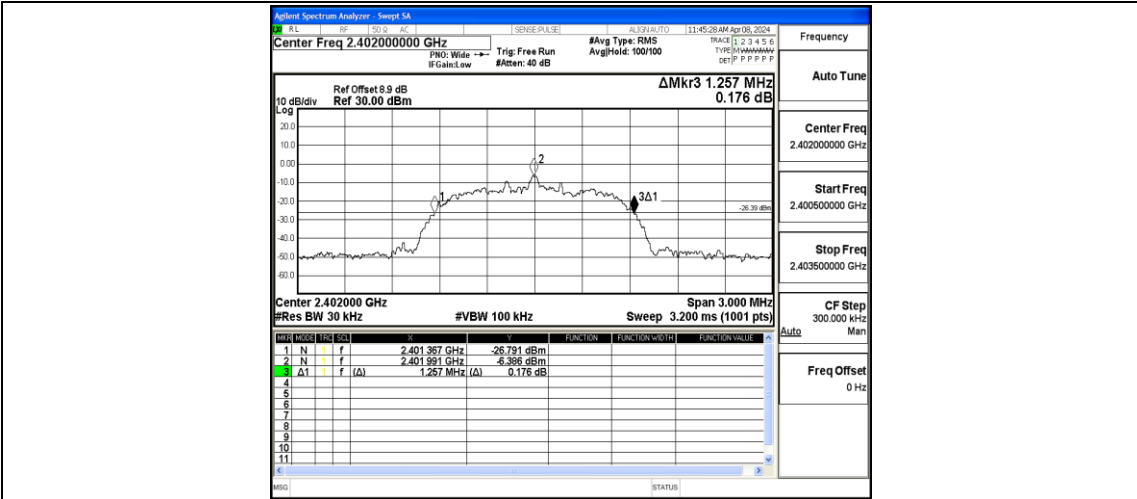
2DH5-Ant1-2402



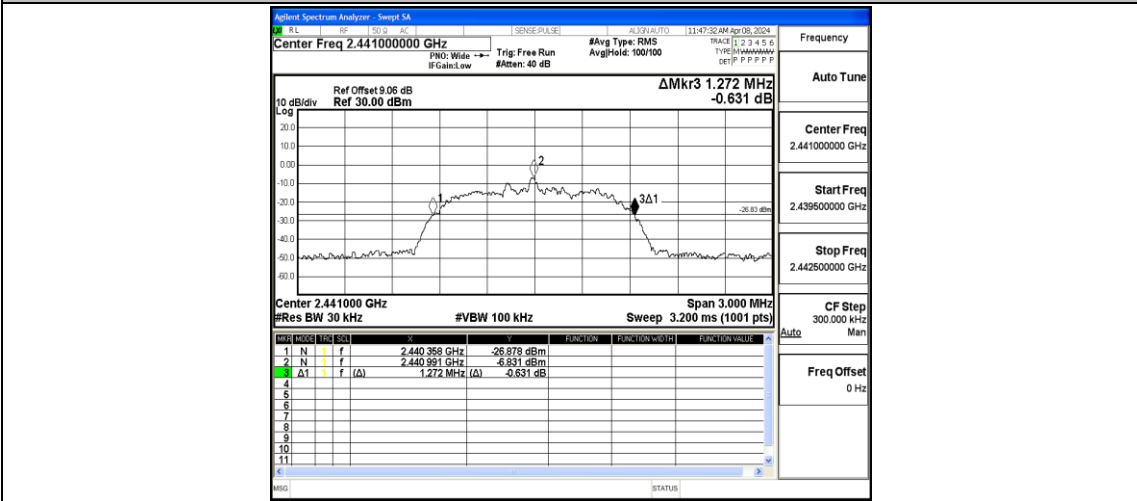
2DH5-Ant1-2441



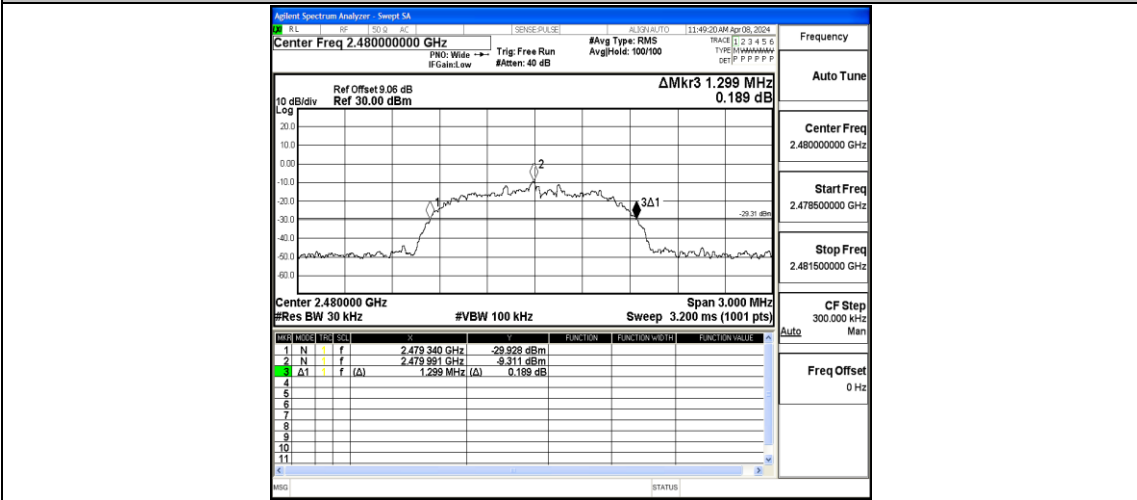
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



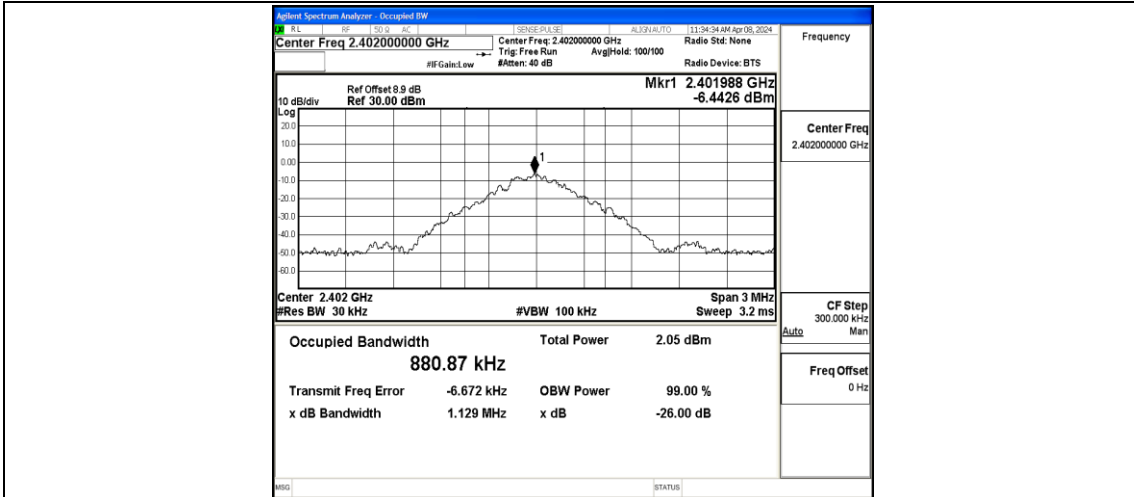
3DH5-Ant1-2480

Appendix B: Occupied Channel Bandwidth

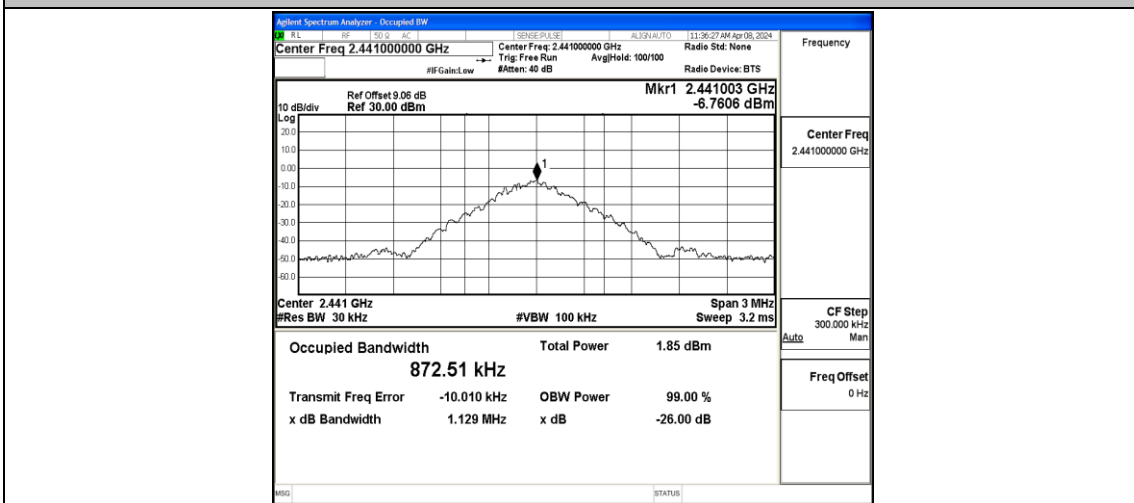
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88087	2401.5529	2402.4338	---	---
DH5	Ant1	2441	0.87251	2440.5537	2441.4262	---	---
DH5	Ant1	2480	0.86329	2479.5559	2480.4191	---	---
2DH5	Ant1	2402	1.1910	2401.3959	2402.5869	---	---
2DH5	Ant1	2441	1.1844	2440.3964	2441.5808	---	---
2DH5	Ant1	2480	1.1765	2479.3989	2480.5754	---	---
3DH5	Ant1	2402	1.1796	2401.4018	2402.5814	---	---
3DH5	Ant1	2441	1.1867	2440.3936	2441.5803	---	---
3DH5	Ant1	2480	1.1974	2479.3875	2480.5849	---	---

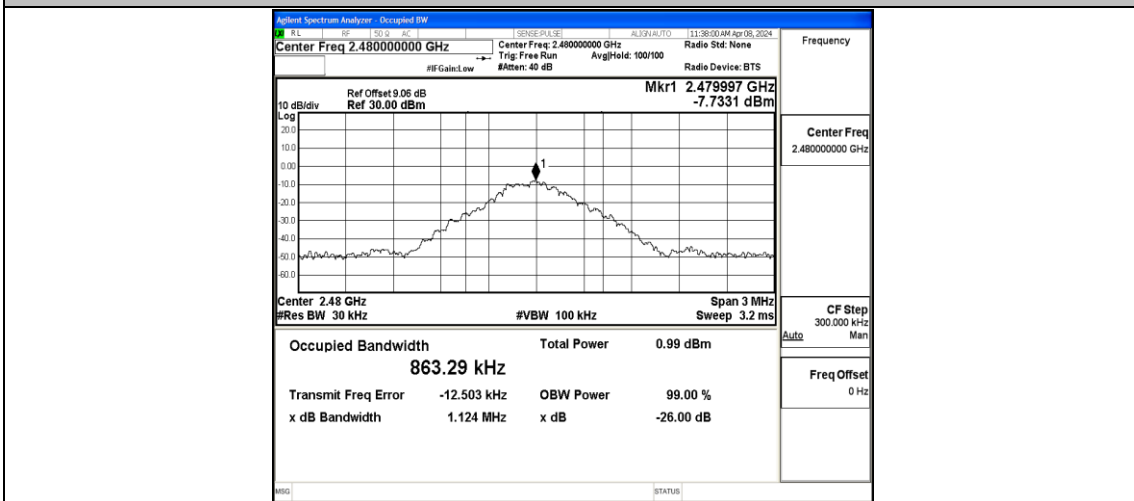
Test Graphs



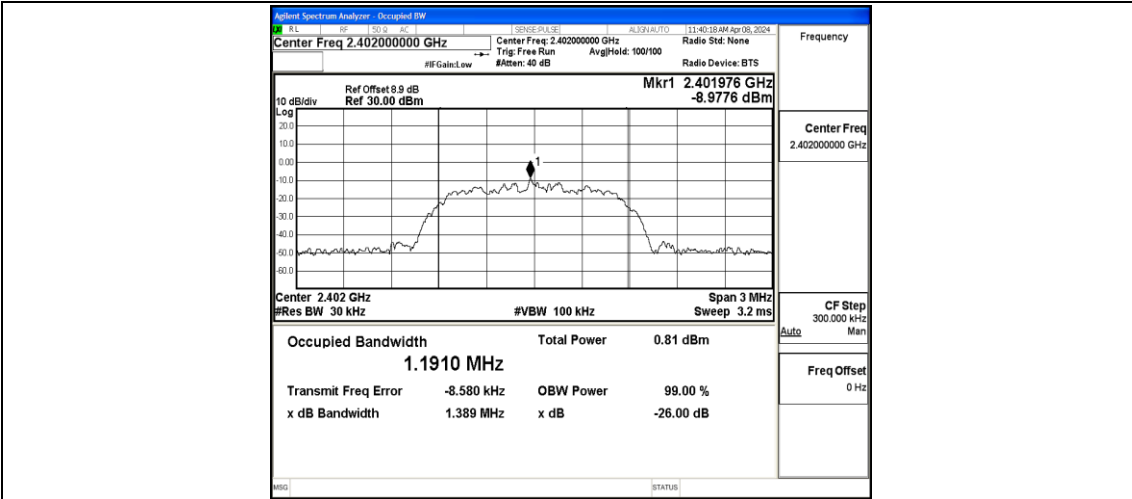
DH5-Ant1-2402



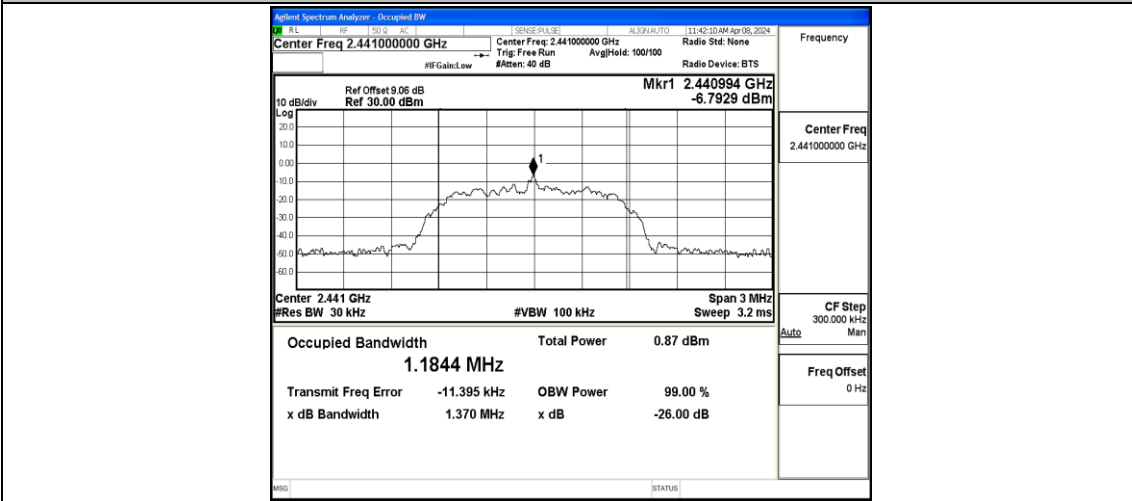
DH5-Ant1-2441



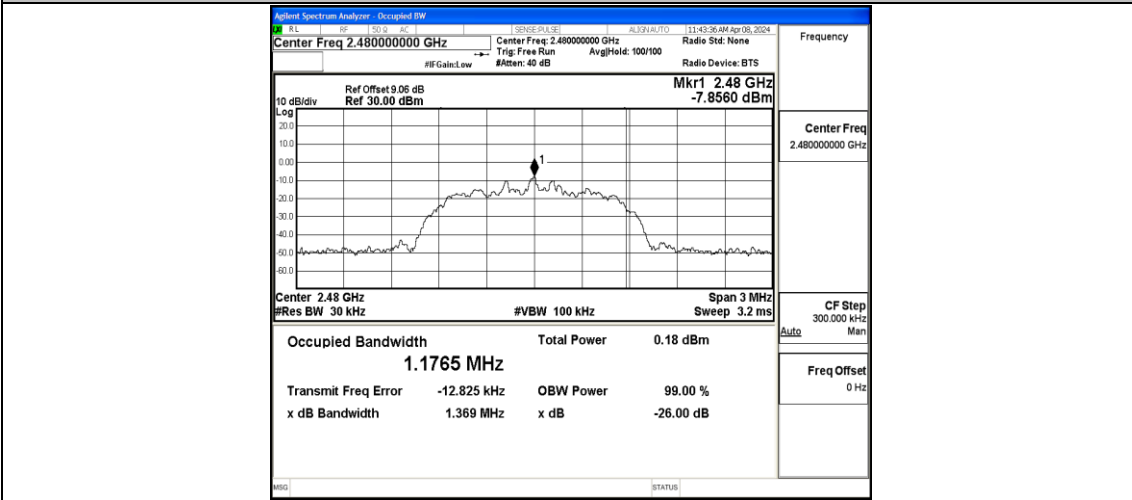
DH5-Ant1-2480



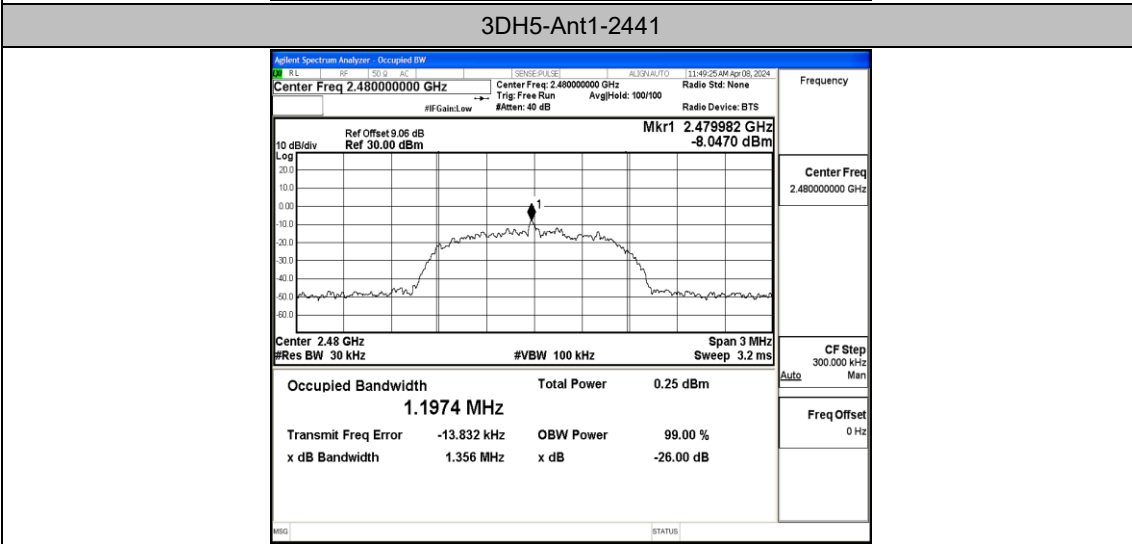
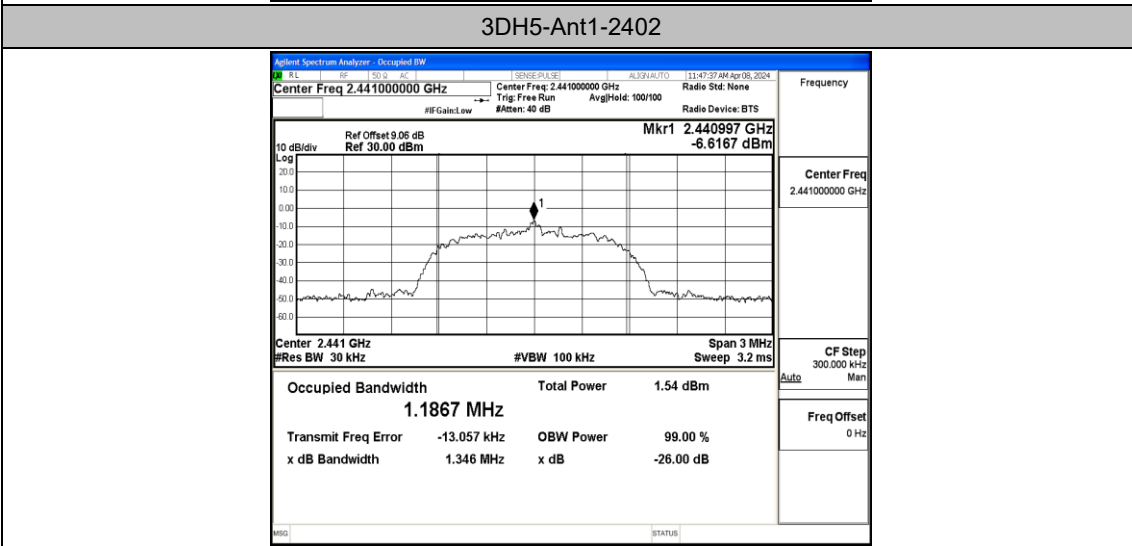
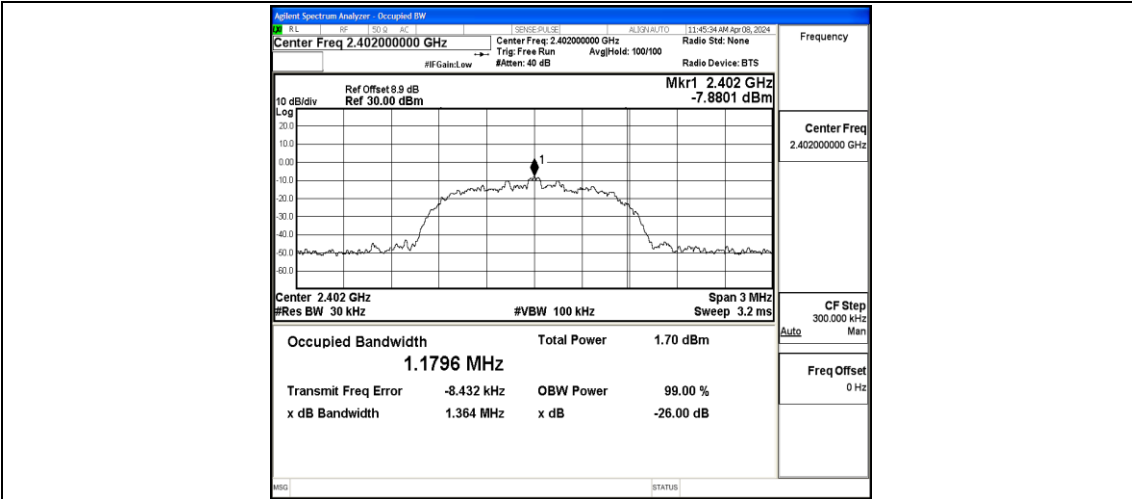
2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480



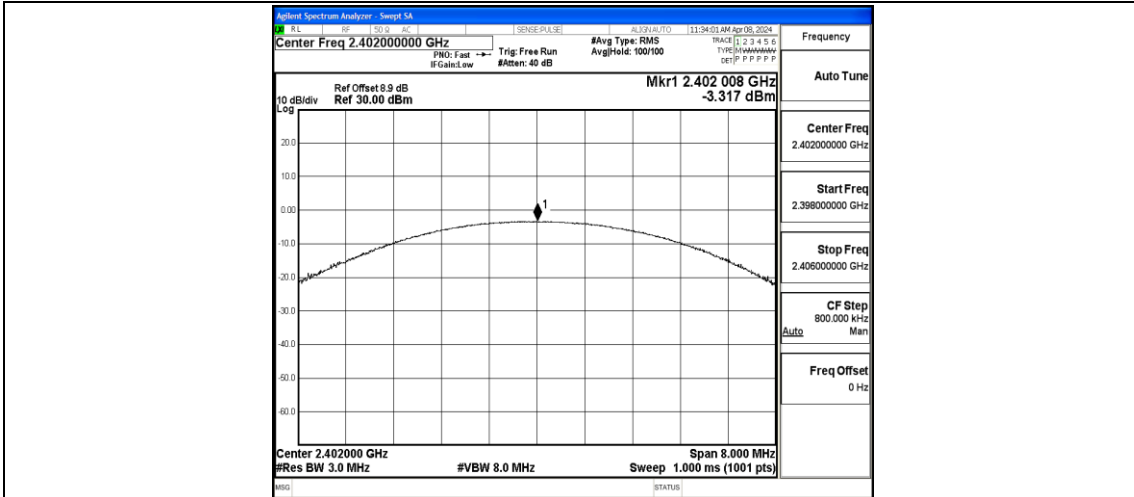
3DH5-Ant1-2480

Appendix C: Maximum peak conducted output power

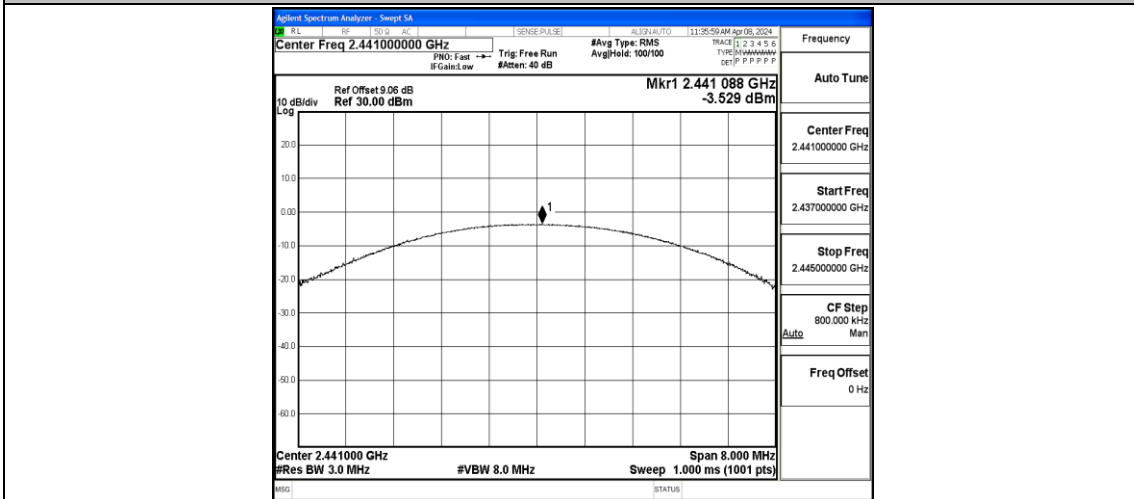
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.32	≤30	PASS
DH5	Ant1	2441	-3.53	≤30	PASS
DH5	Ant1	2480	-4.70	≤30	PASS
2DH5	Ant1	2402	-2.83	≤30	PASS
2DH5	Ant1	2441	-3.04	≤20.97	PASS
2DH5	Ant1	2480	-4.14	≤20.97	PASS
3DH5	Ant1	2402	-2.33	≤30	PASS
3DH5	Ant1	2441	-2.51	≤20.97	PASS
3DH5	Ant1	2480	-3.68	≤20.97	PASS

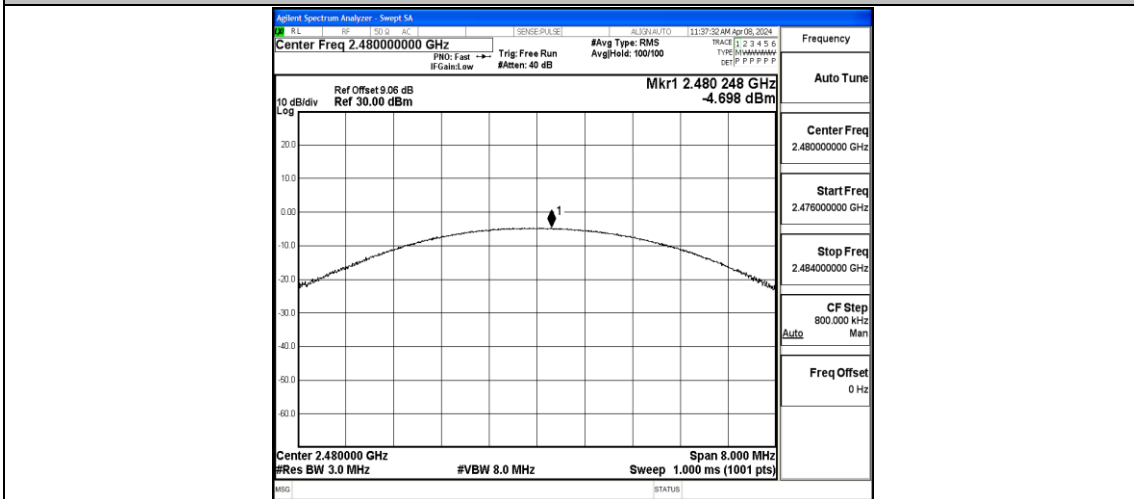
Test Graphs



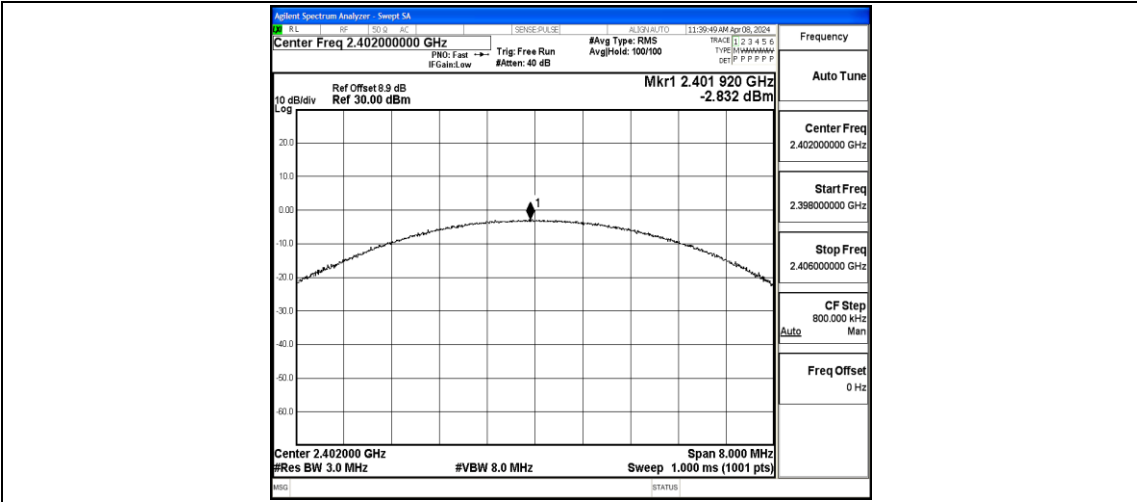
DH5-Ant1-2402-PASS



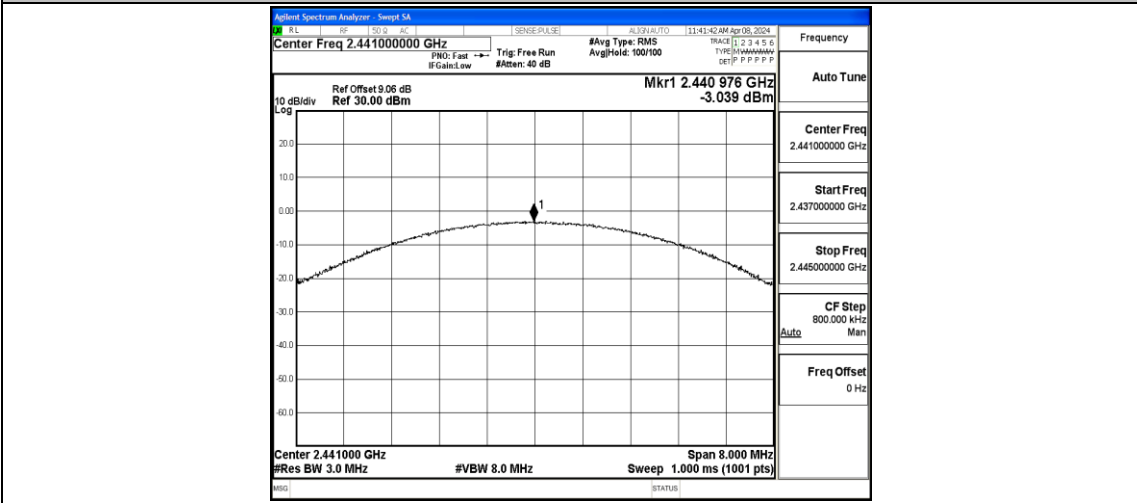
DH5-Ant1-2441-PASS



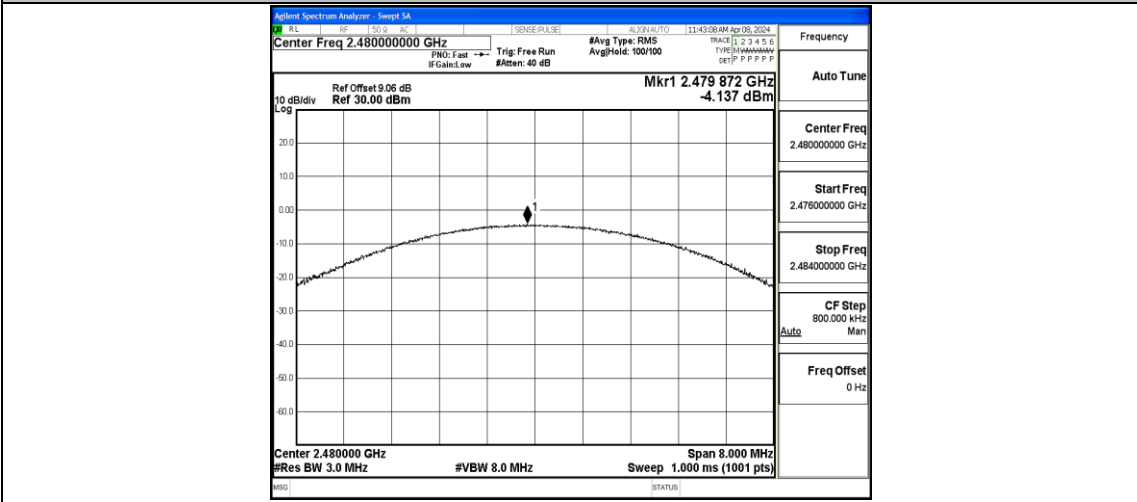
DH5-Ant1-2480-PASS



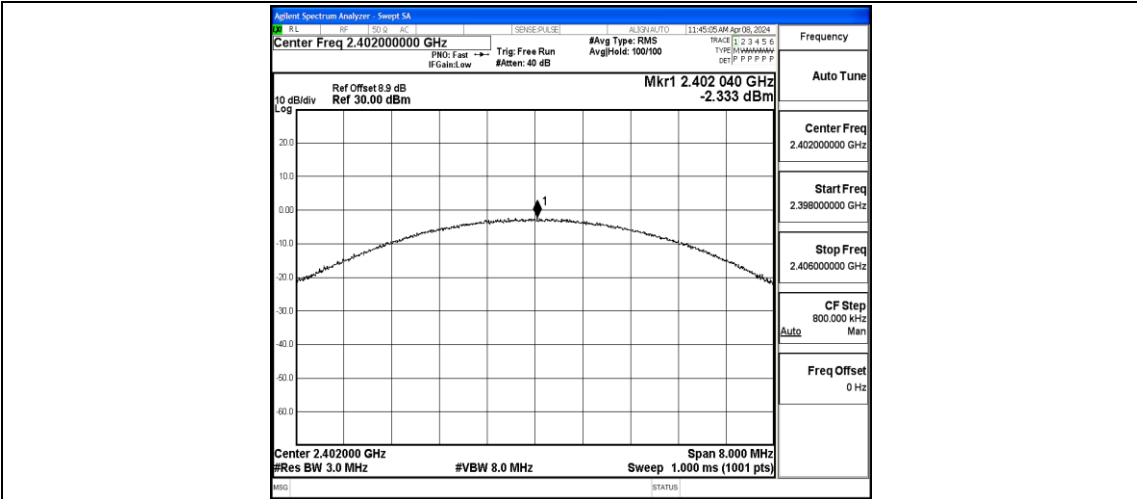
2DH5-Ant1-2402-PASS



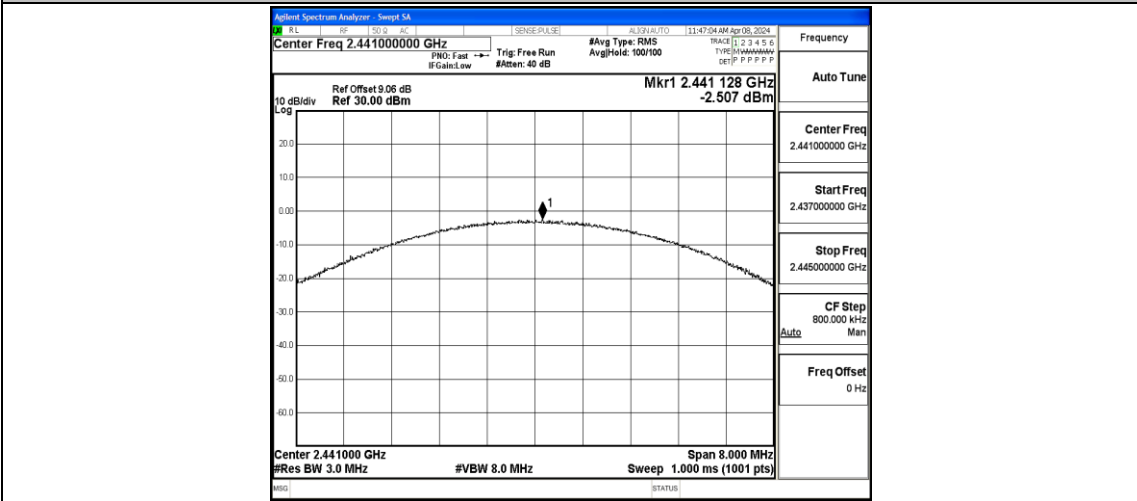
2DH5-Ant1-2441-PASS



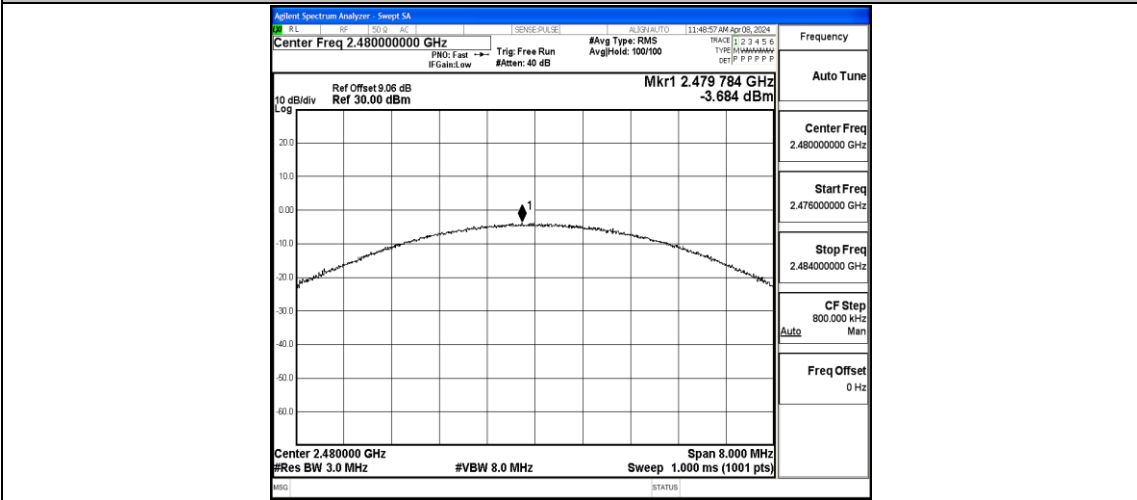
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



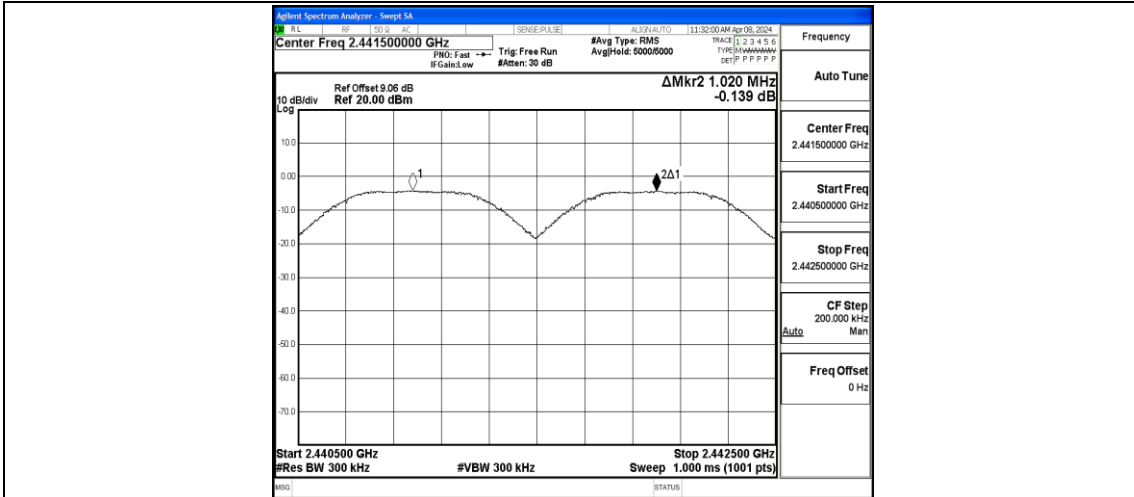
3DH5-Ant1-2480-PASS

Appendix D: Carrier frequency separation

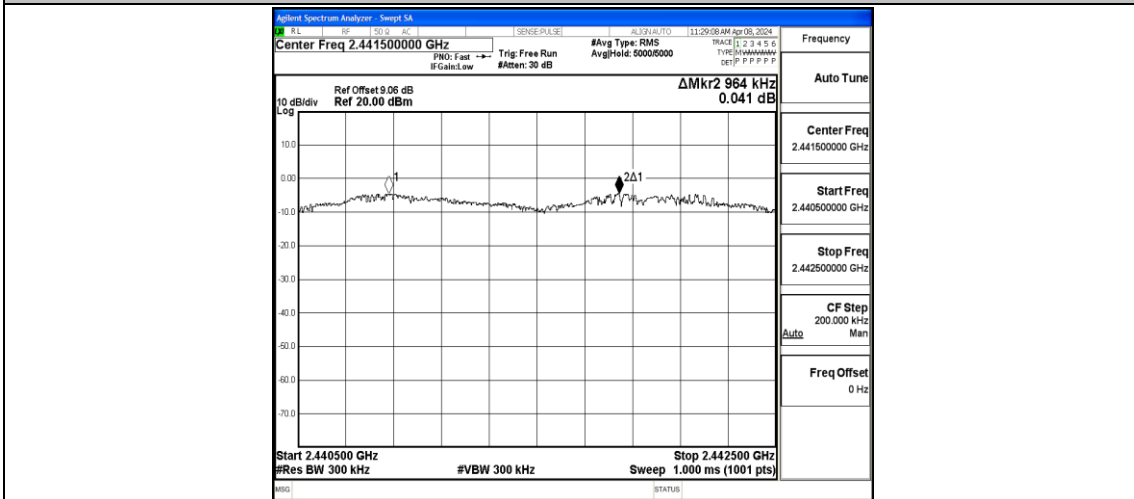
Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.02	≥ 0.025	PASS
2DH5	Ant1	Hop	0.964	≥ 0.025	PASS
3DH5	Ant1	Hop	1.036	≥ 0.025	PASS

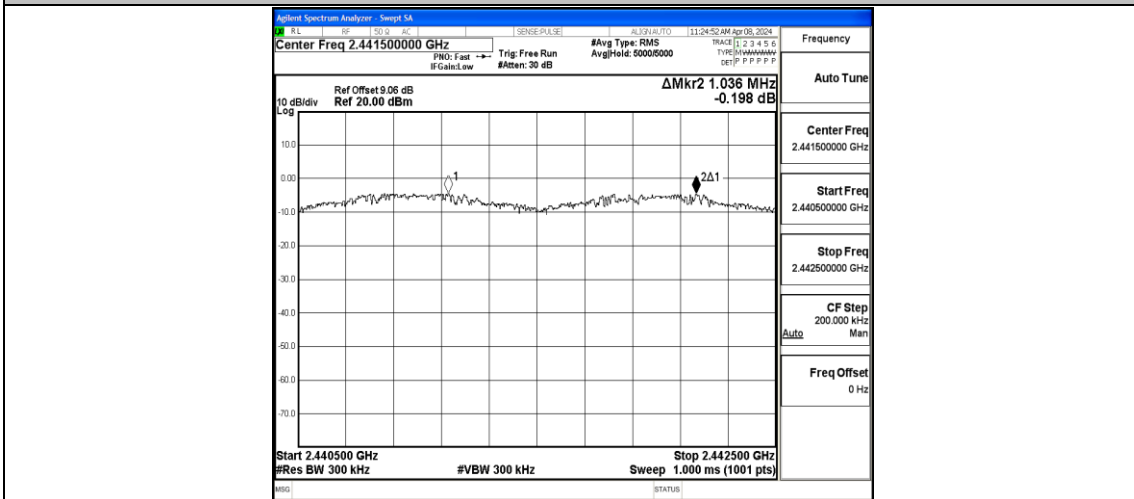
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



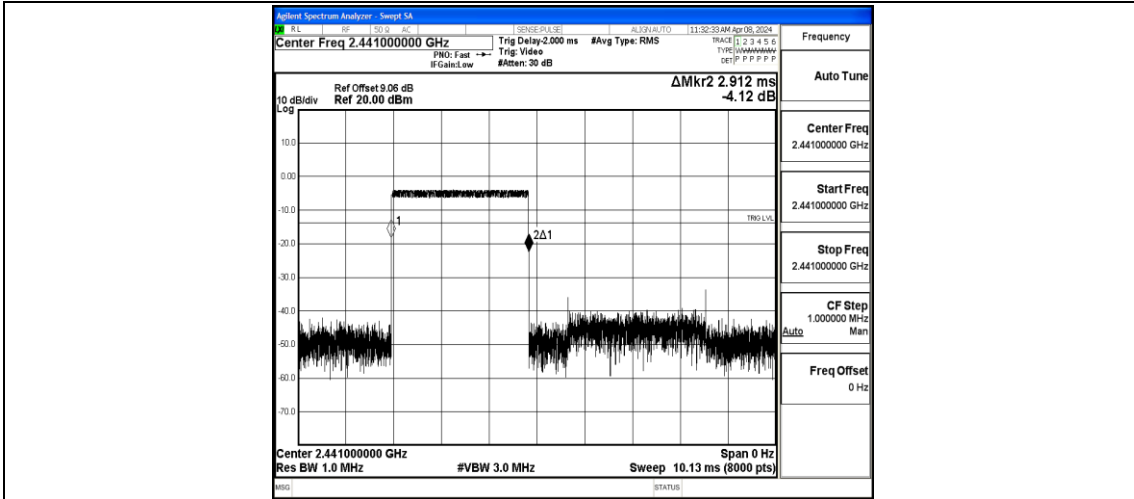
3DH5-Ant1-Hop-PASS

Appendix E: Time of occupancy

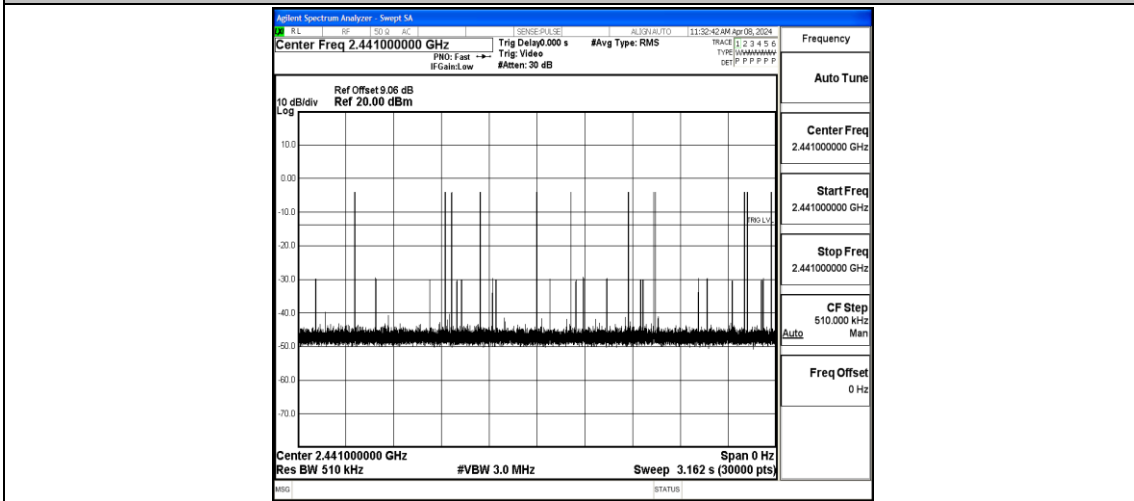
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.912	130	0.379	≤0.4	PASS
2DH5	Ant1	Hop	2.918	90	0.263	≤0.4	PASS
3DH5	Ant1	Hop	2.920	120	0.35	≤0.4	PASS

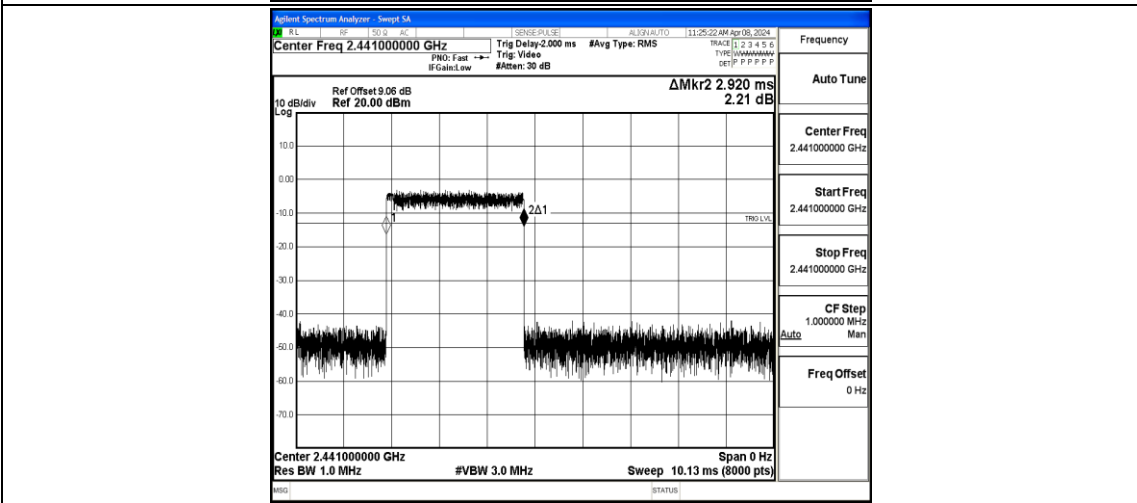
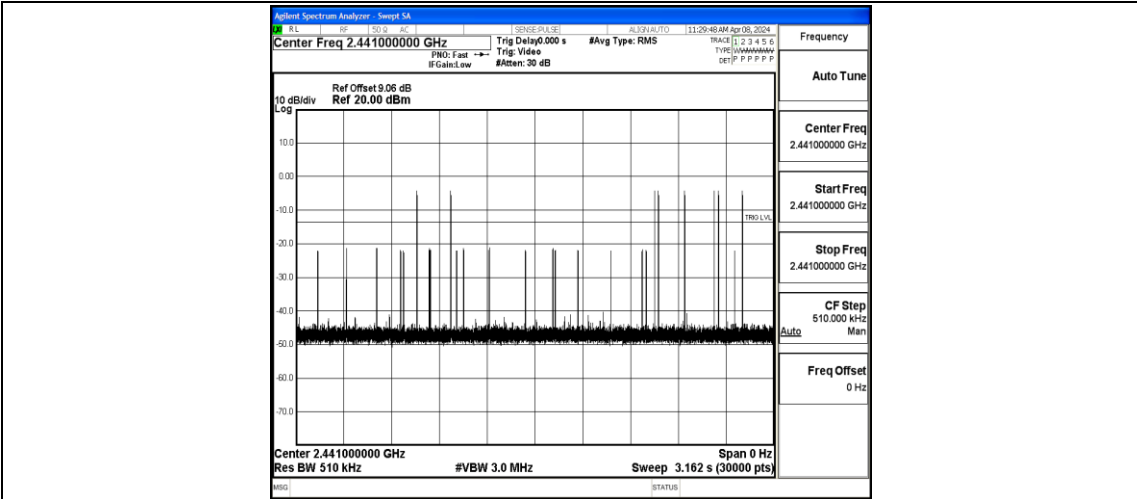
Test Graphs



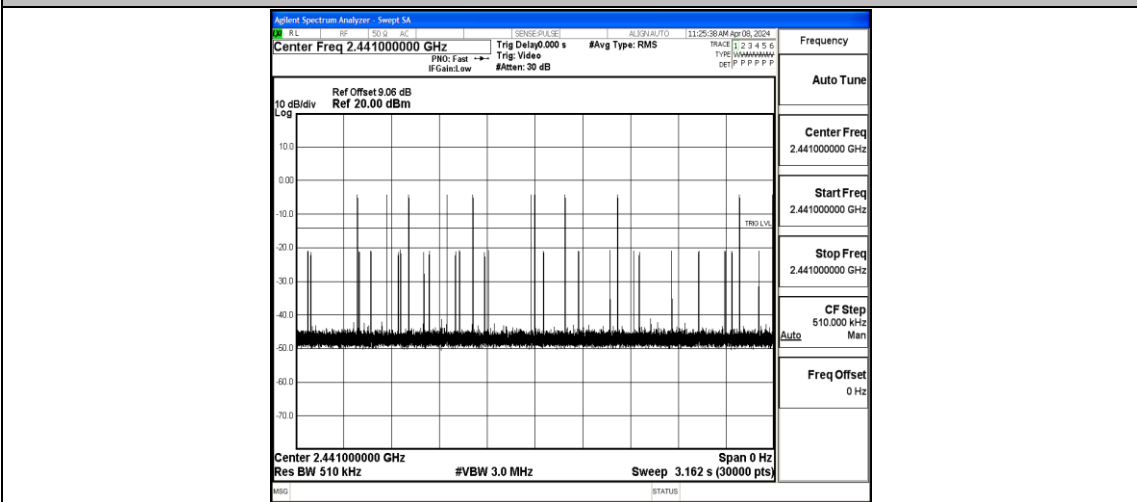
DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

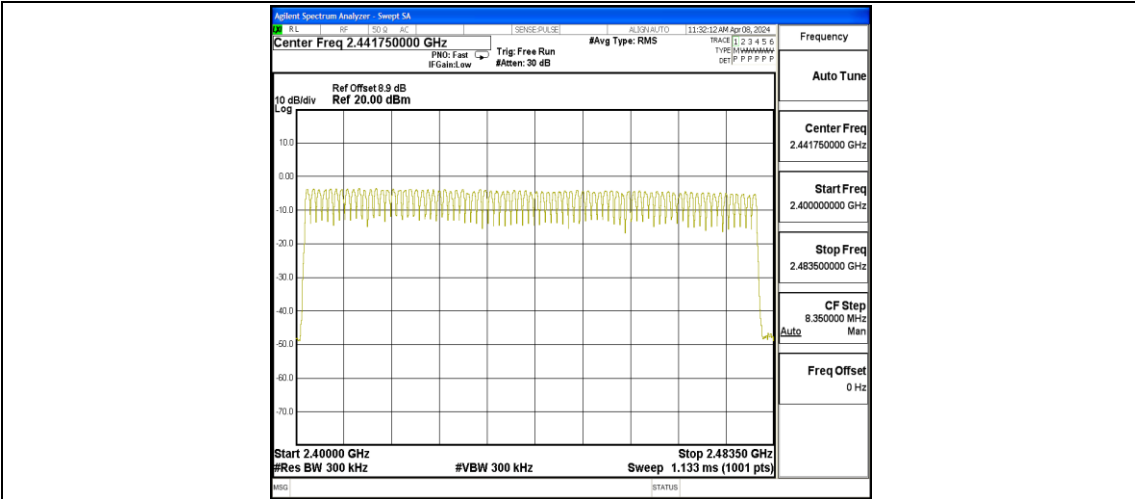


Appendix F: Number of hopping channels

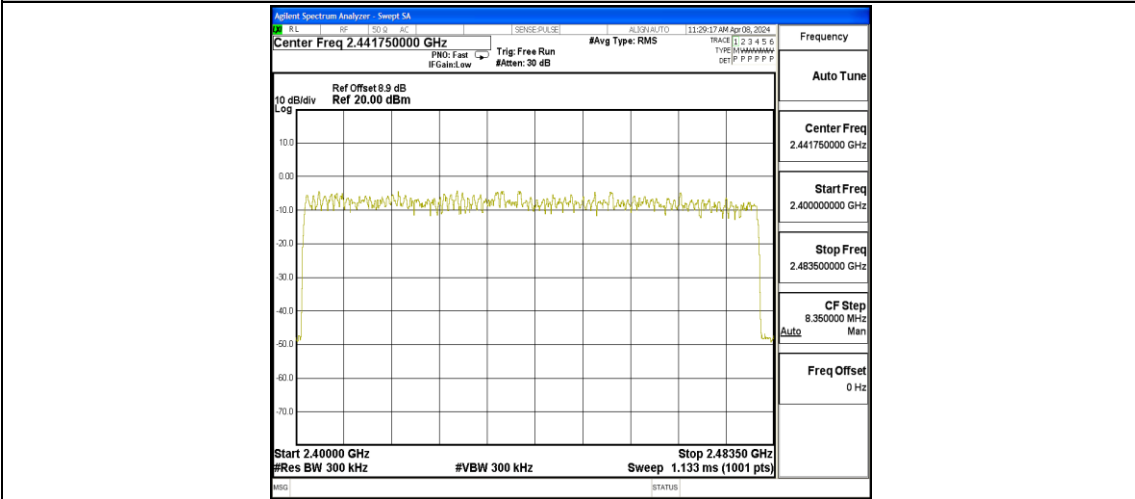
Test Result

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

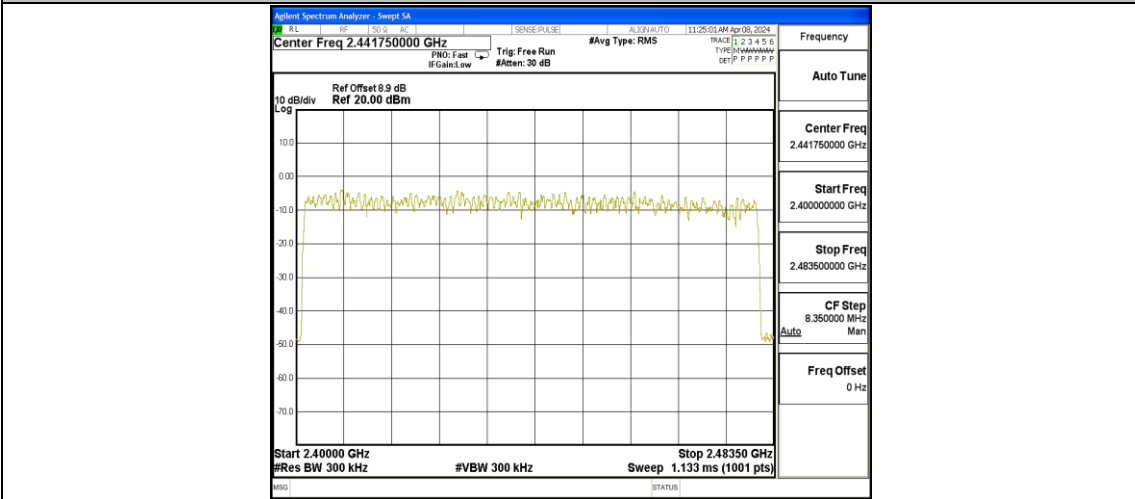
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



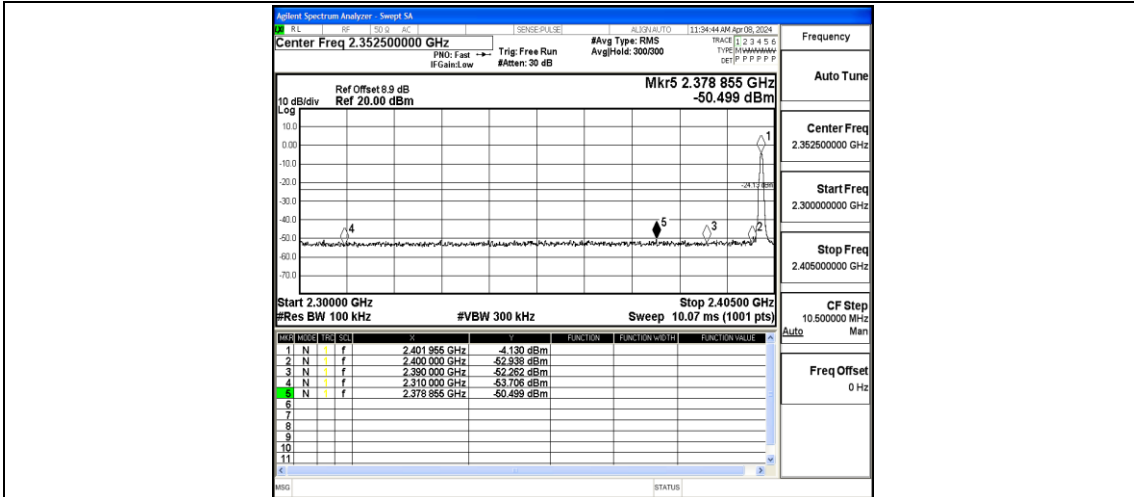
3DH5-Ant1-Hop-PASS

Appendix G: Band edge measurements

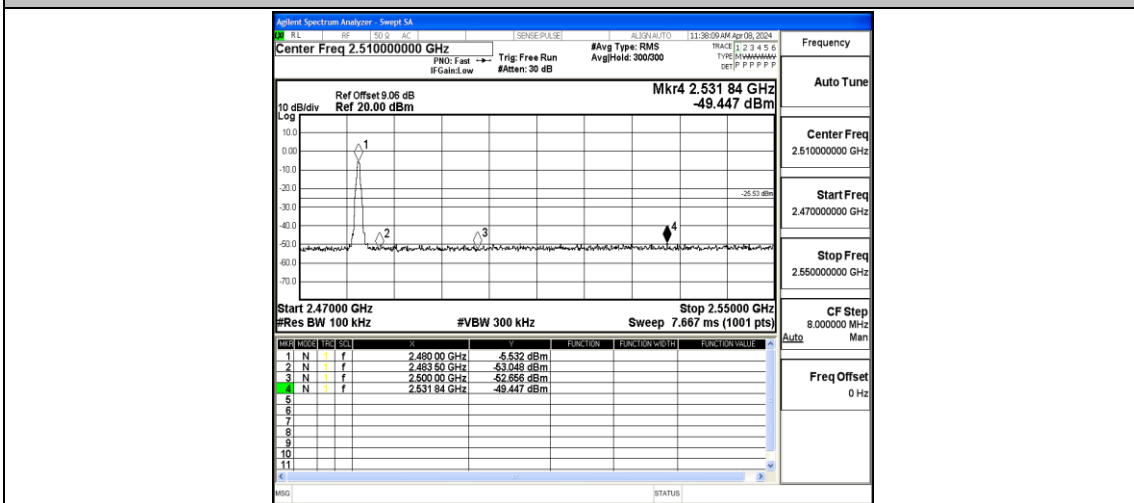
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.13	-50.5	≤-24.13	PASS
DH5	Ant1	High	2480	-5.53	-49.45	≤-25.53	PASS
DH5	Ant1	Low	Hop_2402	-5.07	-49.99	≤-25.07	PASS
DH5	Ant1	High	Hop_2480	-5.13	-48.95	≤-25.13	PASS
2DH5	Ant1	Low	2402	-4.59	-49.87	≤-24.59	PASS
2DH5	Ant1	High	2480	-6.62	-49.93	≤-26.62	PASS
2DH5	Ant1	Low	Hop_2402	-8.78	-50.32	≤-28.78	PASS
2DH5	Ant1	High	Hop_2480	-6.34	-49.31	≤-26.34	PASS
3DH5	Ant1	Low	2402	-4.56	-49.89	≤-24.56	PASS
3DH5	Ant1	High	2480	-6.17	-48.37	≤-26.17	PASS
3DH5	Ant1	Low	Hop_2402	-6.55	-50.52	≤-26.55	PASS
3DH5	Ant1	High	Hop_2480	-5.63	-48.69	≤-25.63	PASS

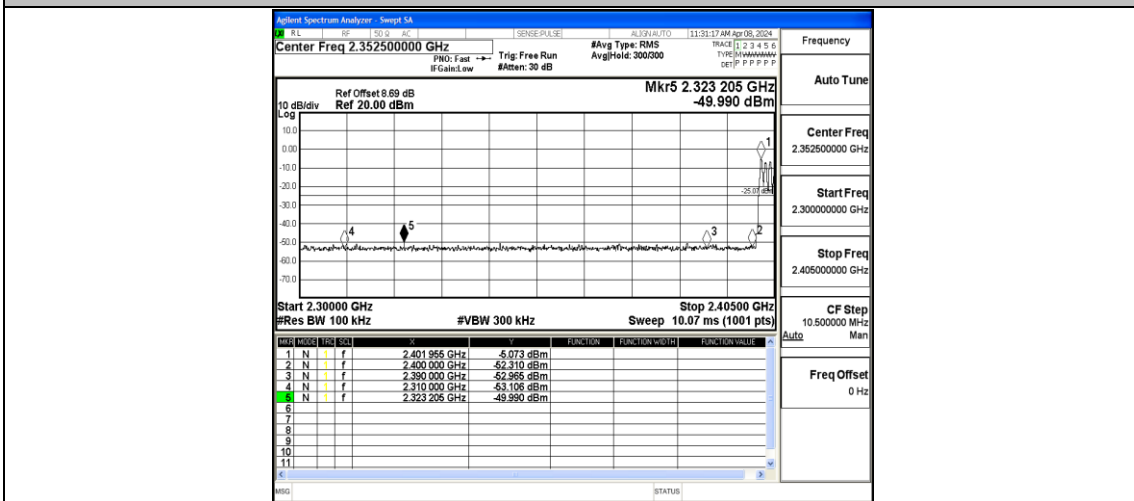
Test Graphs



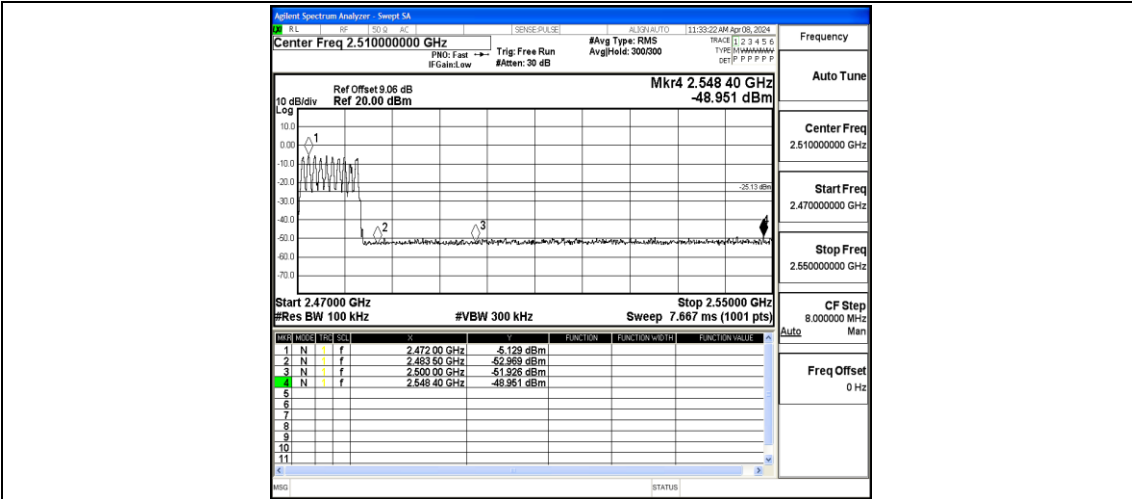
DH5-Ant1-2402-PASS



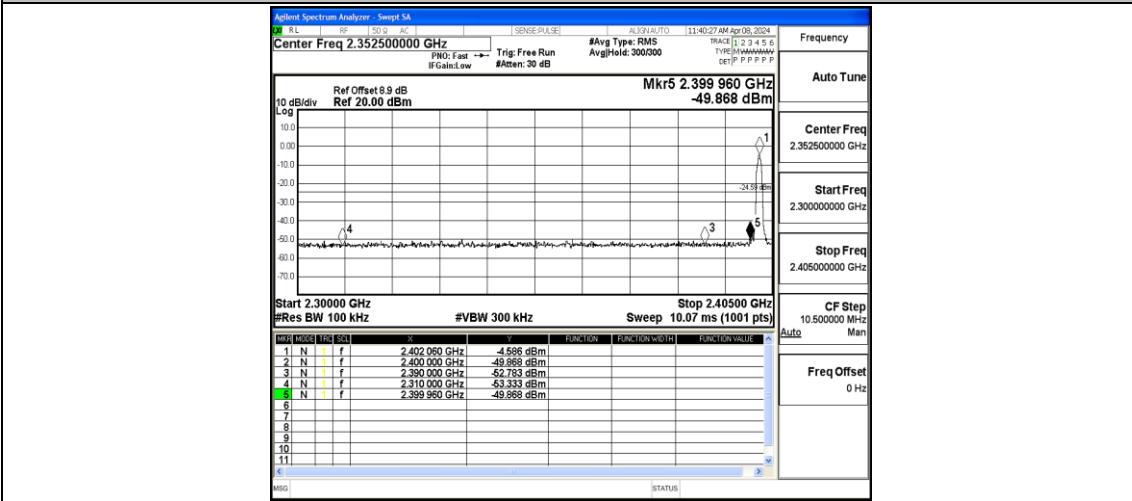
DH5-Ant1-2480-PASS



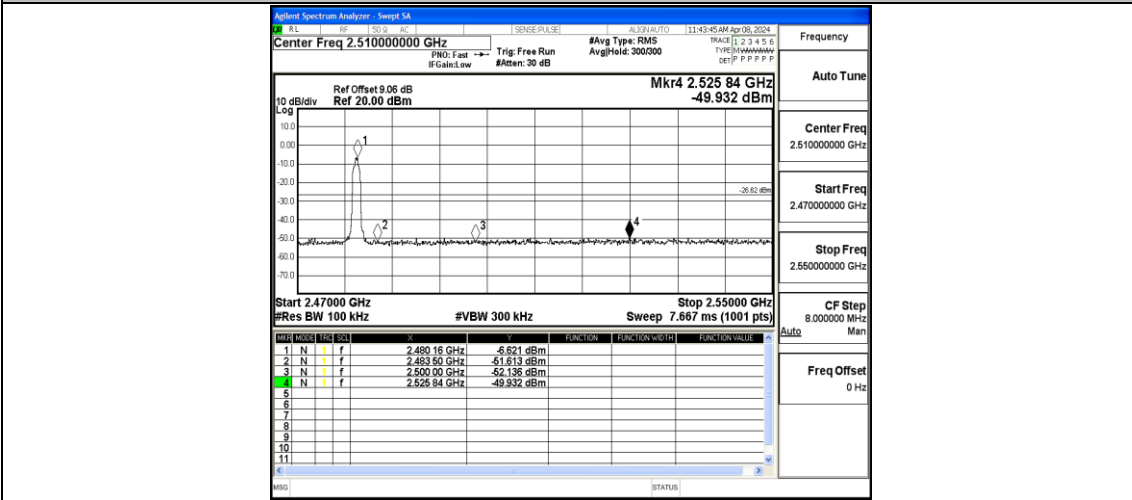
DH5-Ant1-Hop_2402-PASS



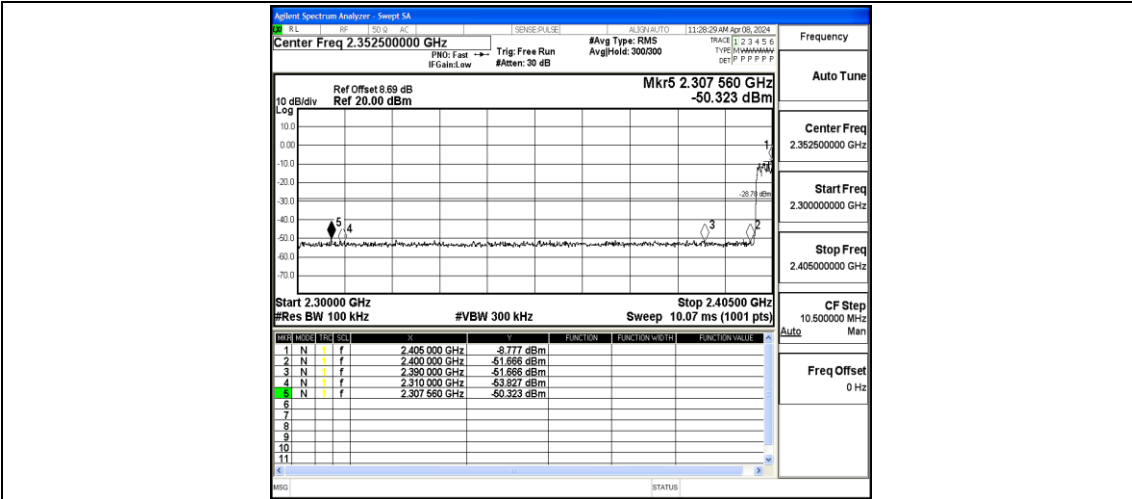
DH5-Ant1-Hop_2480-PASS



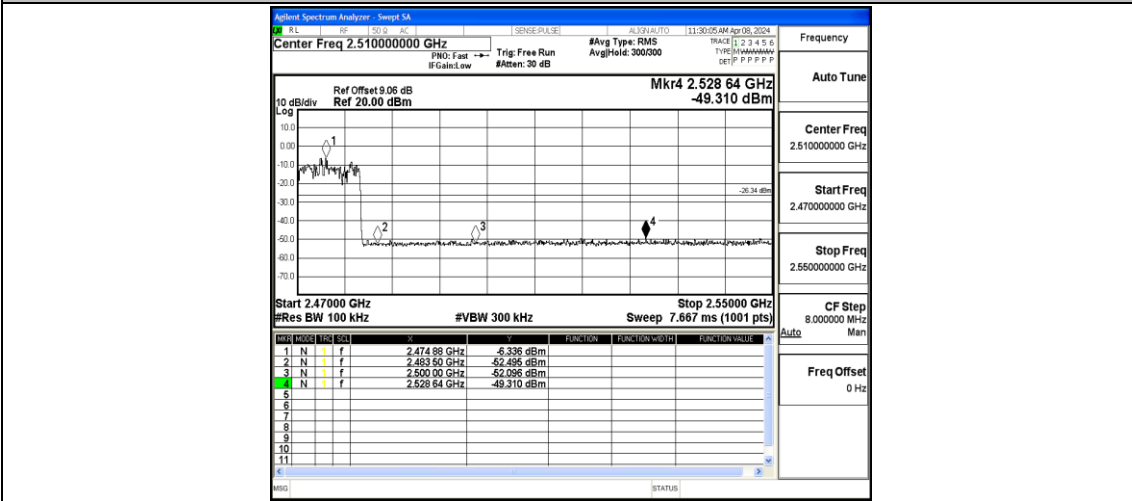
2DH5-Ant1-2402-PASS



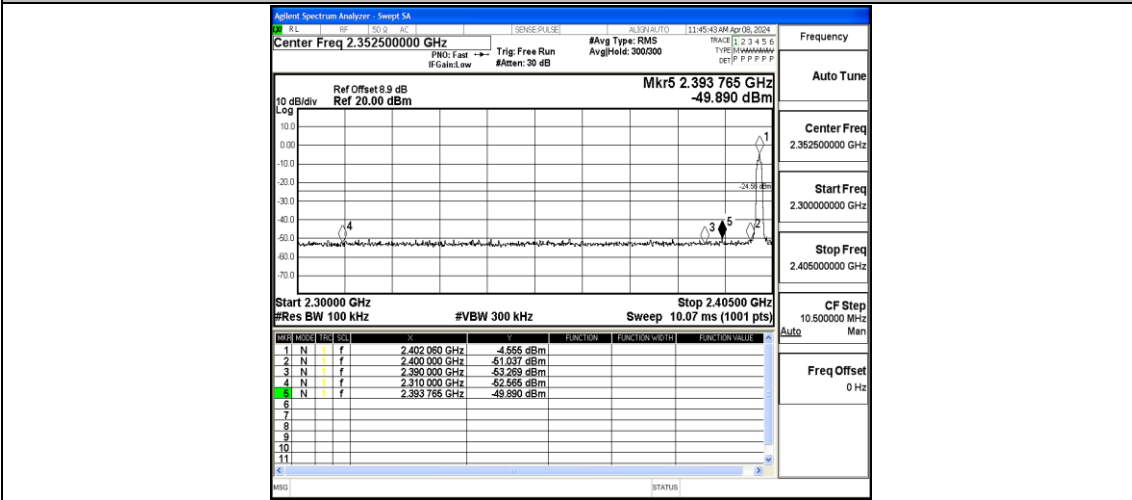
2DH5-Ant1-2480-PASS



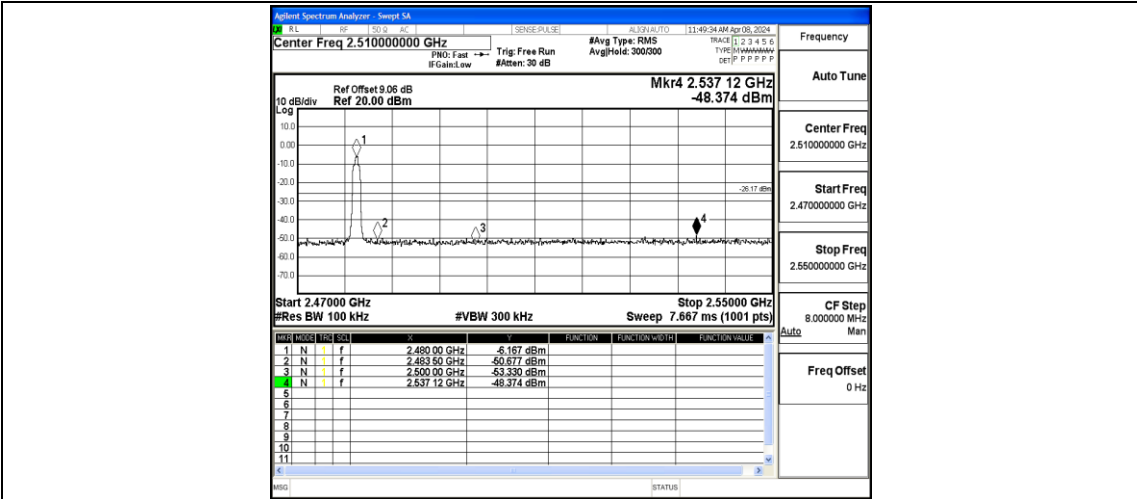
2DH5-Ant1-Hop_2402-PASS



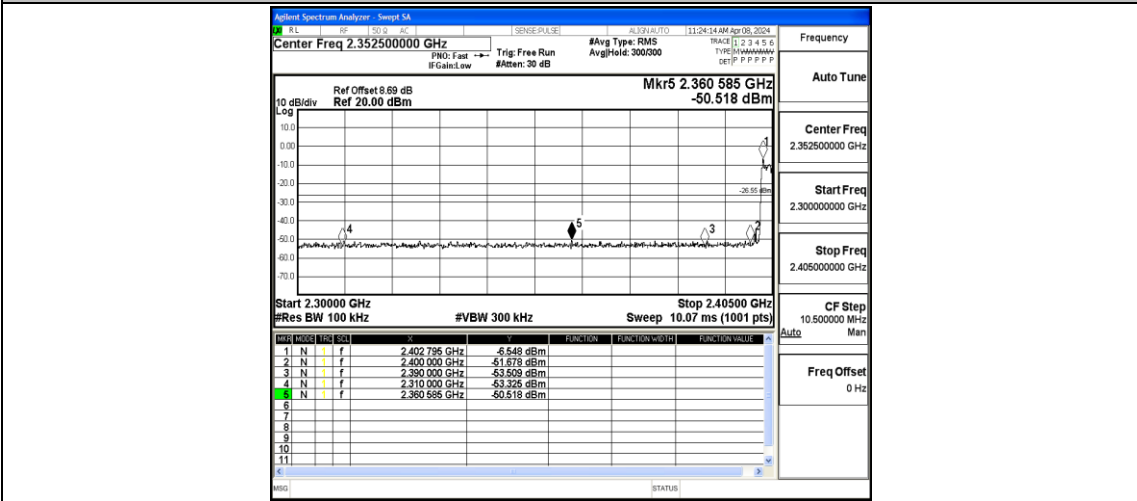
2DH5-Ant1-Hop_2480-PASS



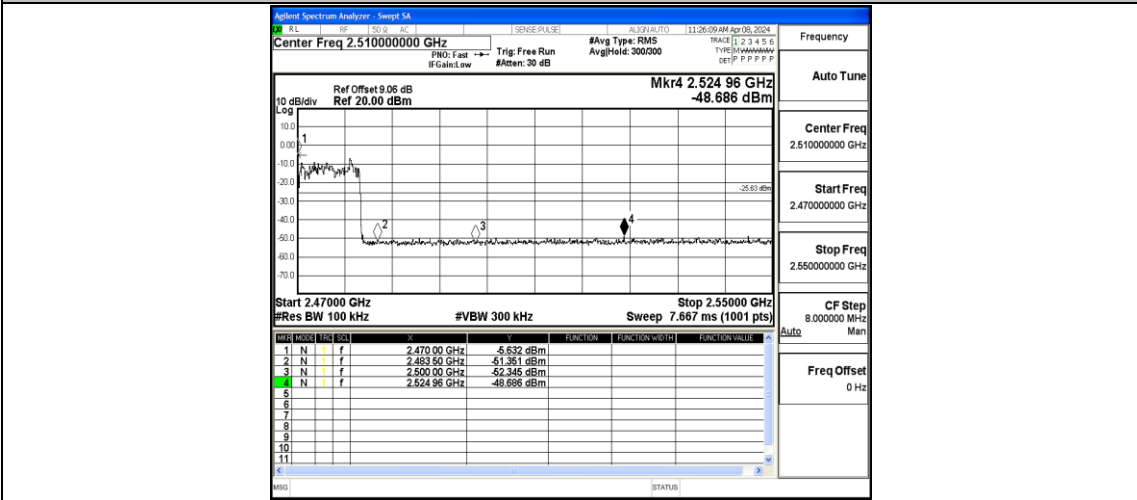
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



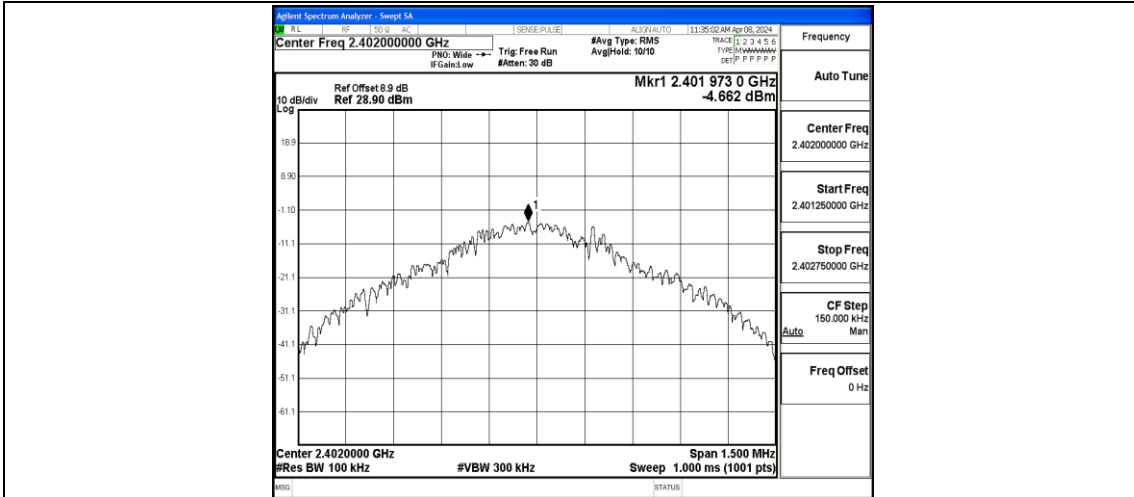
3DH5-Ant1-Hop_2480-PASS

Appendix H: Conducted Spurious Emission

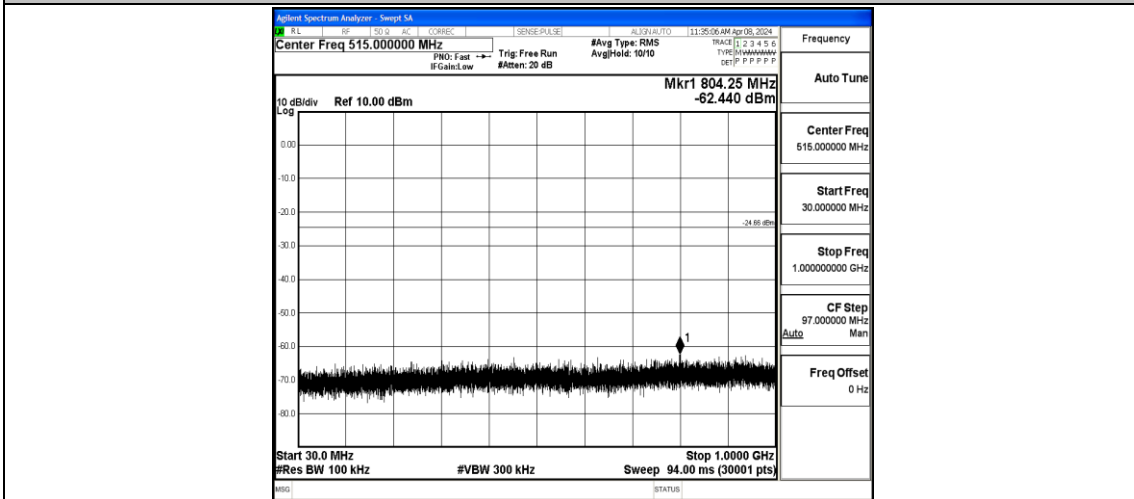
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-4.66	-4.66	---	PASS
DH5	Ant1	2402	30~1000	-4.66	-62.44	≤-24.66	PASS
DH5	Ant1	2402	1000~26500	-4.66	-40.33	≤-24.66	PASS
DH5	Ant1	2441	0~Reference	-4.87	-4.87	---	PASS
DH5	Ant1	2441	30~1000	-4.87	-62	≤-24.87	PASS
DH5	Ant1	2441	1000~26500	-4.87	-37.66	≤-24.87	PASS
DH5	Ant1	2480	0~Reference	-6.26	-6.26	---	PASS
DH5	Ant1	2480	30~1000	-6.26	-62.14	≤-26.26	PASS
DH5	Ant1	2480	1000~26500	-6.26	-42.35	≤-26.26	PASS
2DH5	Ant1	2402	0~Reference	-5.18	-5.18	---	PASS
2DH5	Ant1	2402	30~1000	-5.18	-62.54	≤-25.18	PASS
2DH5	Ant1	2402	1000~26500	-5.18	-43.19	≤-25.18	PASS
2DH5	Ant1	2441	0~Reference	-8.10	-8.10	---	PASS
2DH5	Ant1	2441	30~1000	-8.10	-62.45	≤-28.1	PASS
2DH5	Ant1	2441	1000~26500	-8.10	-43.29	≤-28.1	PASS
2DH5	Ant1	2480	0~Reference	-7.95	-7.95	---	PASS
2DH5	Ant1	2480	30~1000	-7.95	-62.52	≤-27.95	PASS
2DH5	Ant1	2480	1000~26500	-7.95	-45.38	≤-27.95	PASS
3DH5	Ant1	2402	0~Reference	-7.08	-7.08	---	PASS
3DH5	Ant1	2402	30~1000	-7.08	-62.47	≤-27.08	PASS
3DH5	Ant1	2402	1000~26500	-7.08	-42.59	≤-27.08	PASS
3DH5	Ant1	2441	0~Reference	-6.20	-6.20	---	PASS
3DH5	Ant1	2441	30~1000	-6.20	-63.1	≤-26.2	PASS
3DH5	Ant1	2441	1000~26500	-6.20	-39.89	≤-26.2	PASS
3DH5	Ant1	2480	0~Reference	-6.73	-6.73	---	PASS
3DH5	Ant1	2480	30~1000	-6.73	-60.14	≤-26.73	PASS
3DH5	Ant1	2480	1000~26500	-6.73	-43.34	≤-26.73	PASS

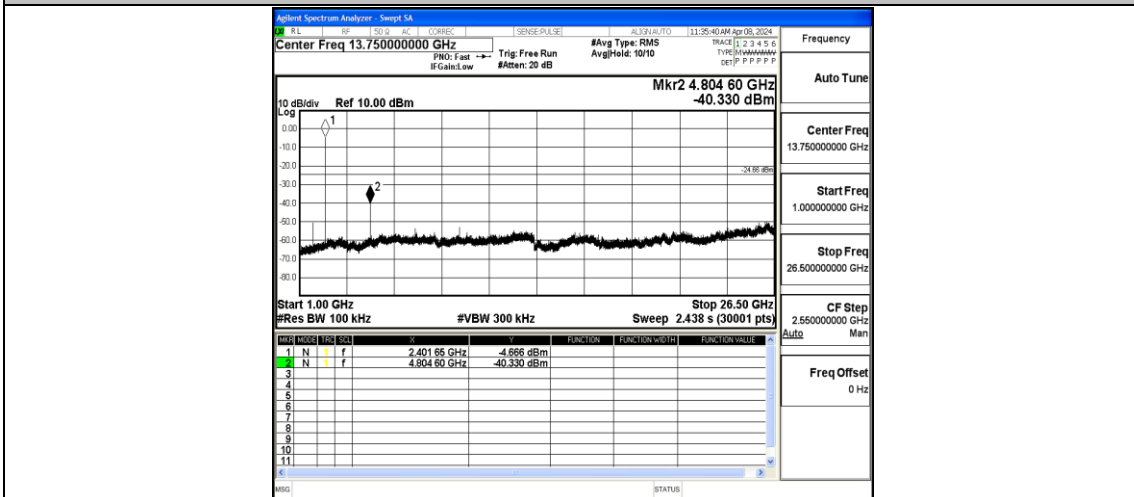
Test Graphs



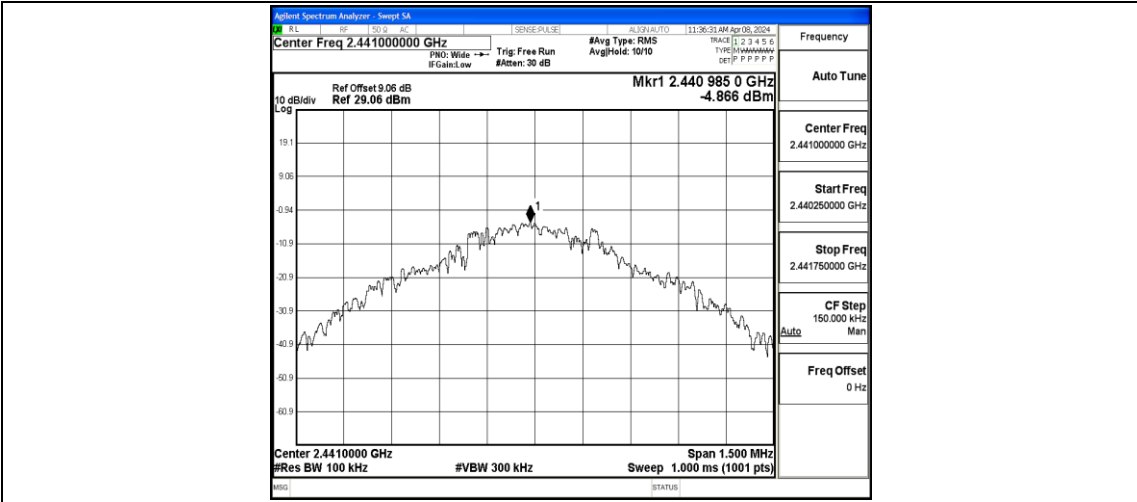
DH5-Ant1-2402-0~Reference-PASS



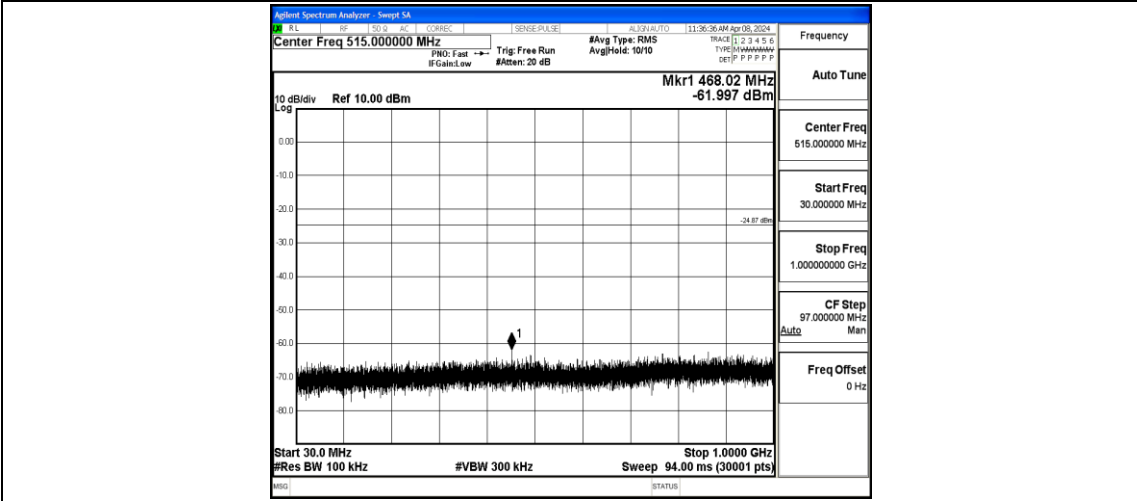
DH5-Ant1-2402-30~1000-PASS



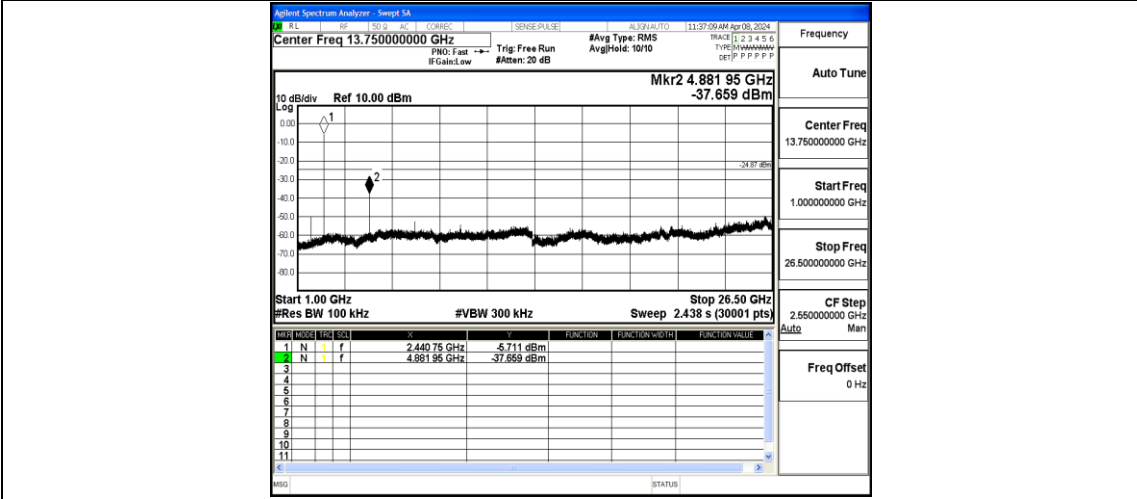
DH5-Ant1-2402-1000~26500-PASS



DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS