

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

Product Name: TWS Bluetooth headset

Trade Mark: N/A

Test Model: GT-48

FCC ID: 2BFD9-GT-48

Environmental Conditions

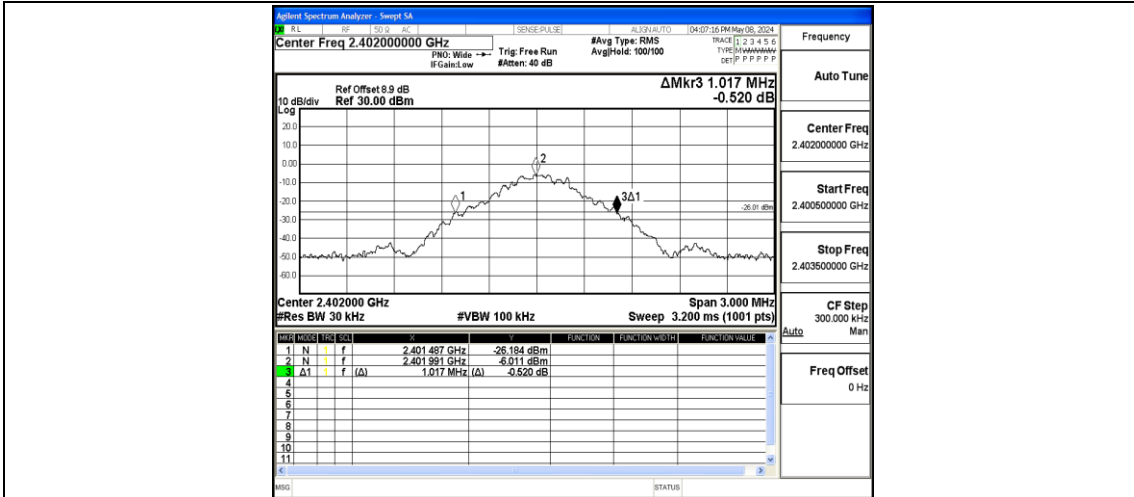
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

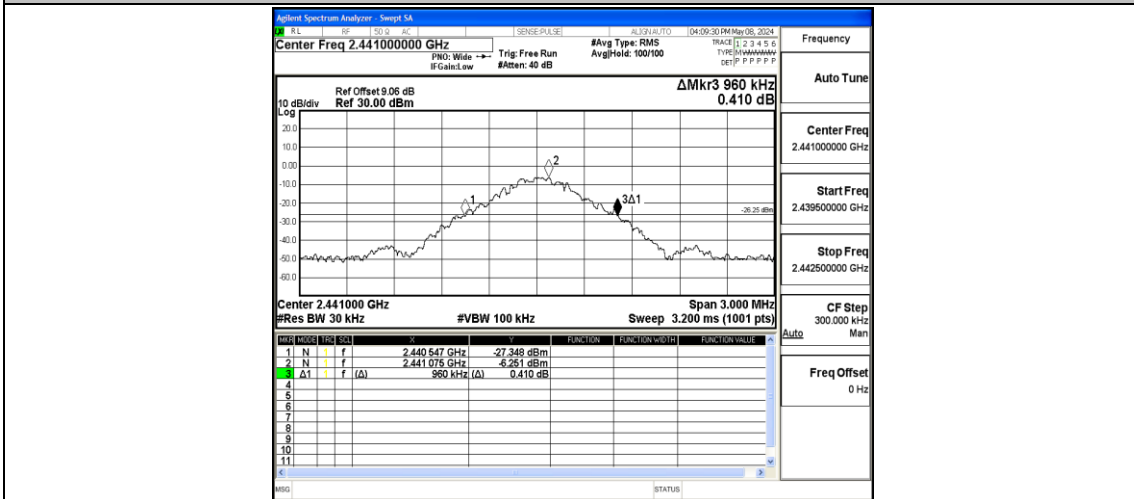
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.017	2401.487	2402.504	---	---
DH5	Ant1	2441	0.960	2440.547	2441.507	---	---
DH5	Ant1	2480	0.966	2479.544	2480.510	---	---
2DH5	Ant1	2402	1.290	2401.379	2402.669	---	---
2DH5	Ant1	2441	1.287	2440.382	2441.669	---	---
2DH5	Ant1	2480	1.311	2479.358	2480.669	---	---
3DH5	Ant1	2402	1.293	2401.367	2402.660	---	---
3DH5	Ant1	2441	1.311	2440.364	2441.675	---	---
3DH5	Ant1	2480	1.290	2479.376	2480.666	---	---

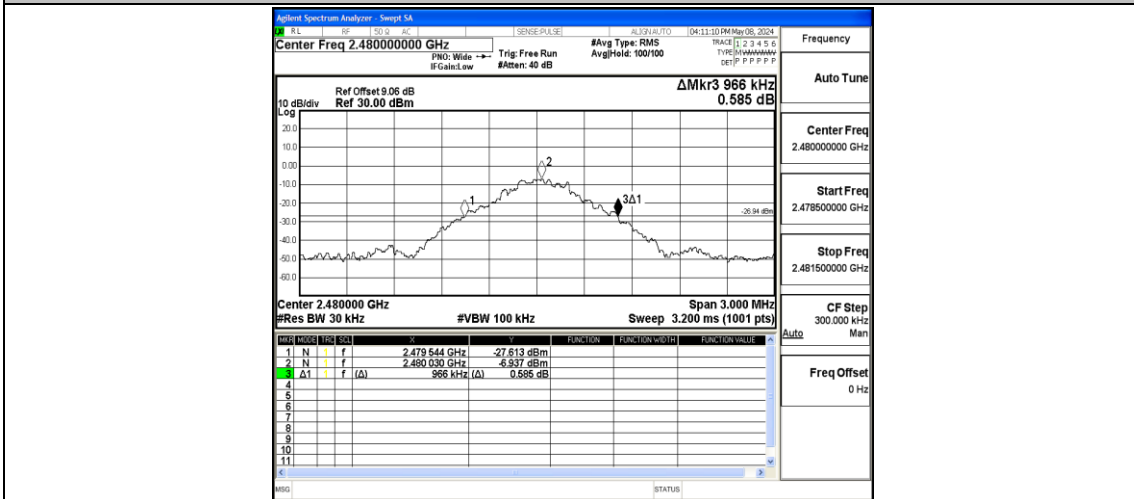
Test Graphs



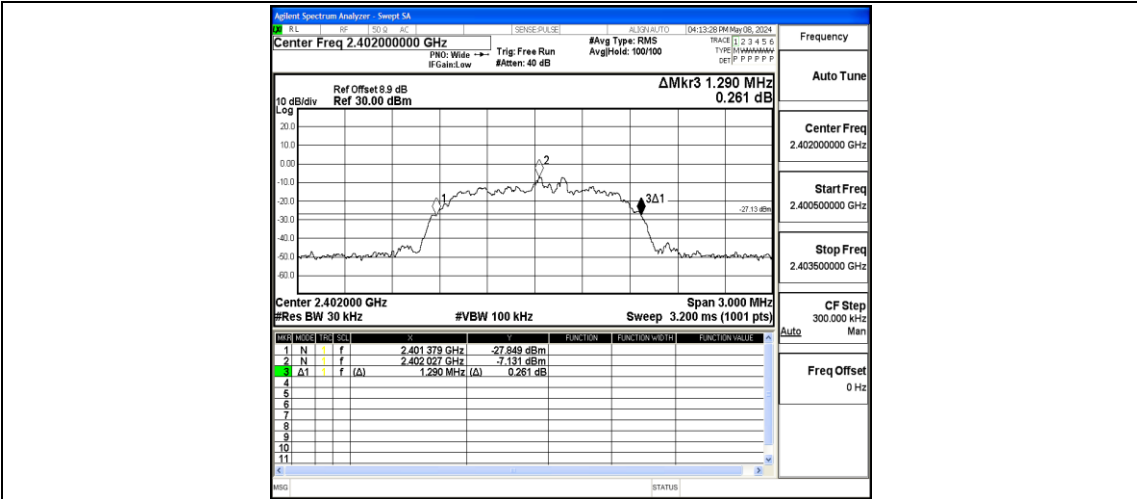
DH5-Ant1-2402



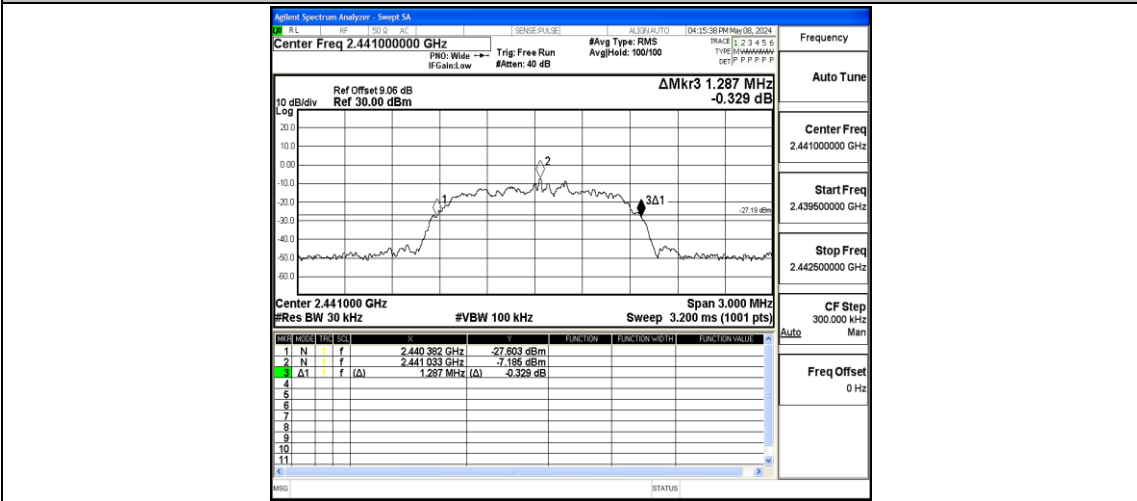
DH5-Ant1-2441



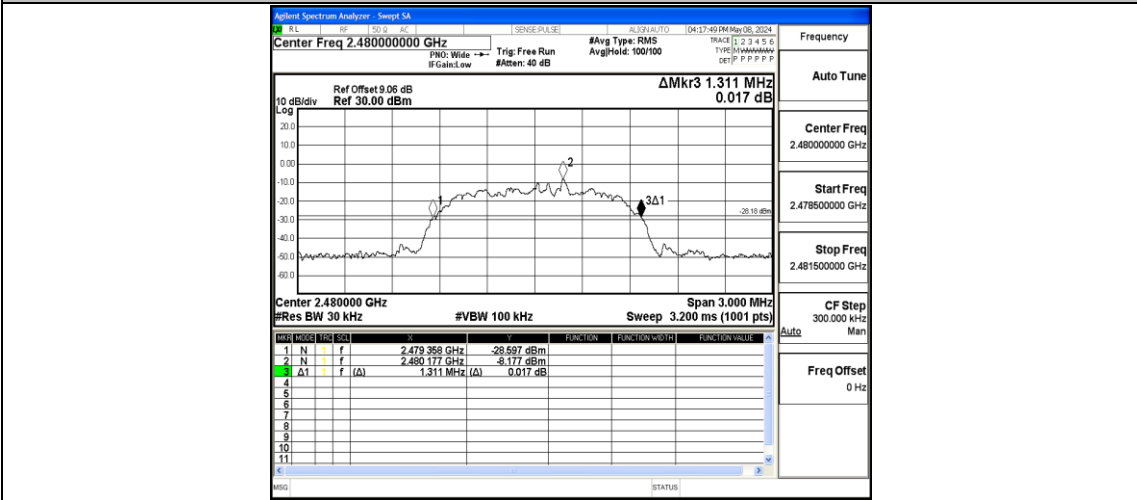
DH5-Ant1-2480



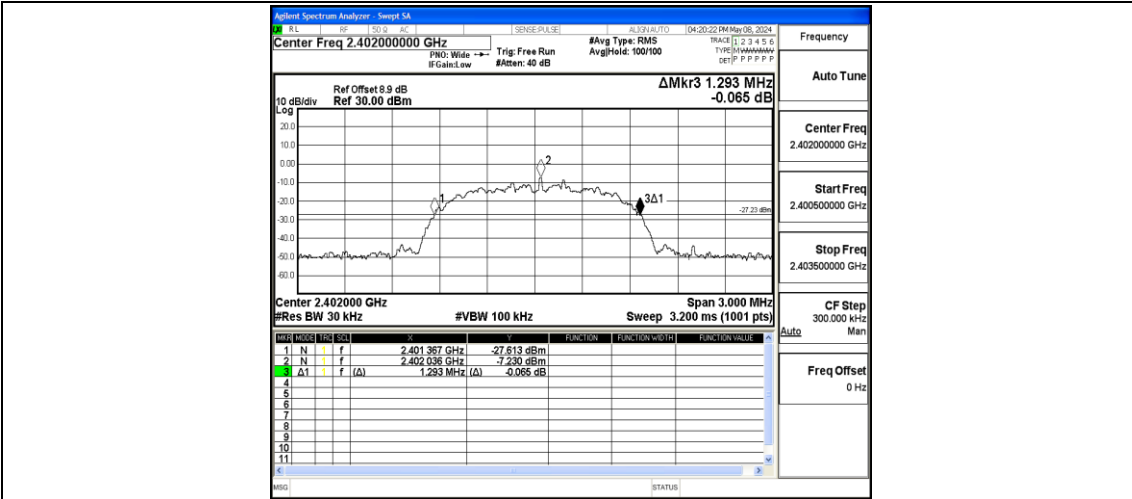
2DH5-Ant1-2402



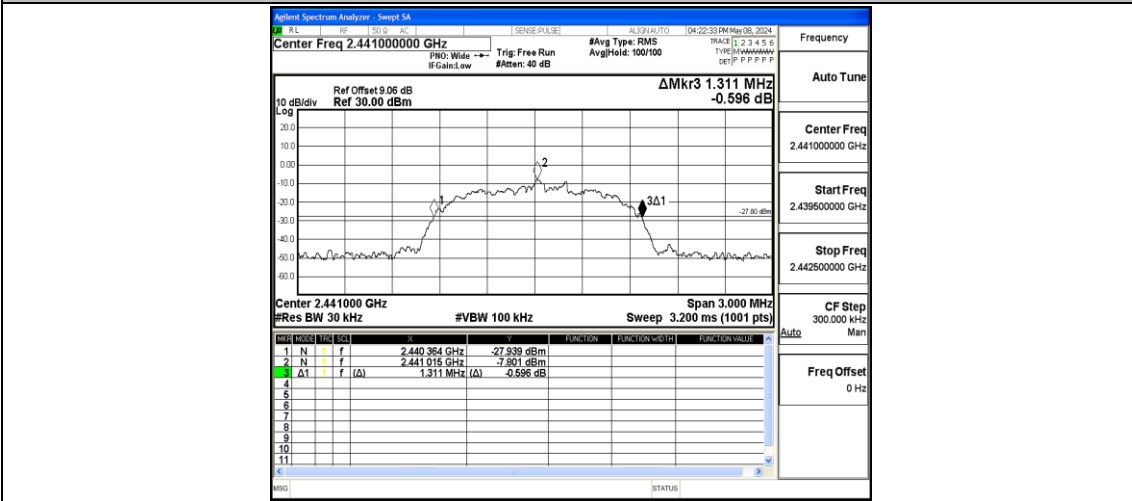
2DH5-Ant1-2441



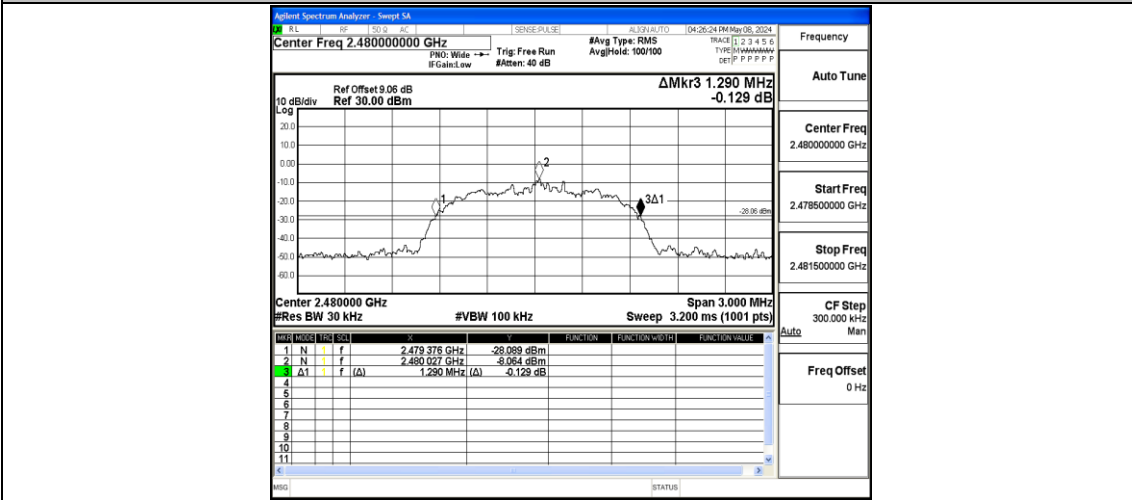
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



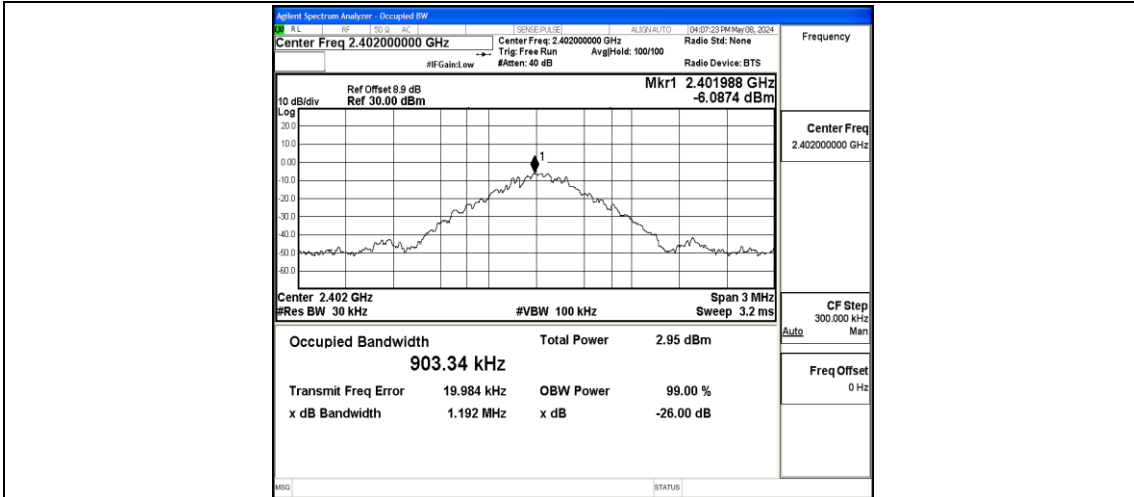
3DH5-Ant1-2480

Appendix B: Occupied Channel Bandwidth

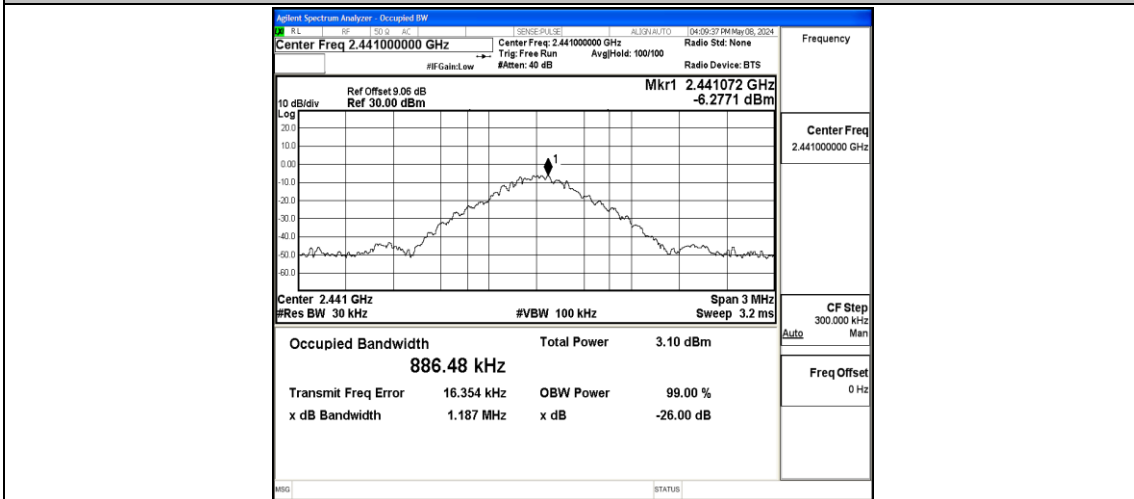
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.90334	2401.5683	2402.4717	---	---
DH5	Ant1	2441	0.88648	2440.5731	2441.4596	---	---
DH5	Ant1	2480	0.89125	2479.5707	2480.4619	---	---
2DH5	Ant1	2402	1.1748	2401.4280	2402.6028	---	---
2DH5	Ant1	2441	1.1831	2440.4230	2441.6061	---	---
2DH5	Ant1	2480	1.1791	2479.4235	2480.6026	---	---
3DH5	Ant1	2402	1.1783	2401.4252	2402.6035	---	---
3DH5	Ant1	2441	1.1838	2440.4226	2441.6064	---	---
3DH5	Ant1	2480	1.1878	2479.4230	2480.6108	---	---

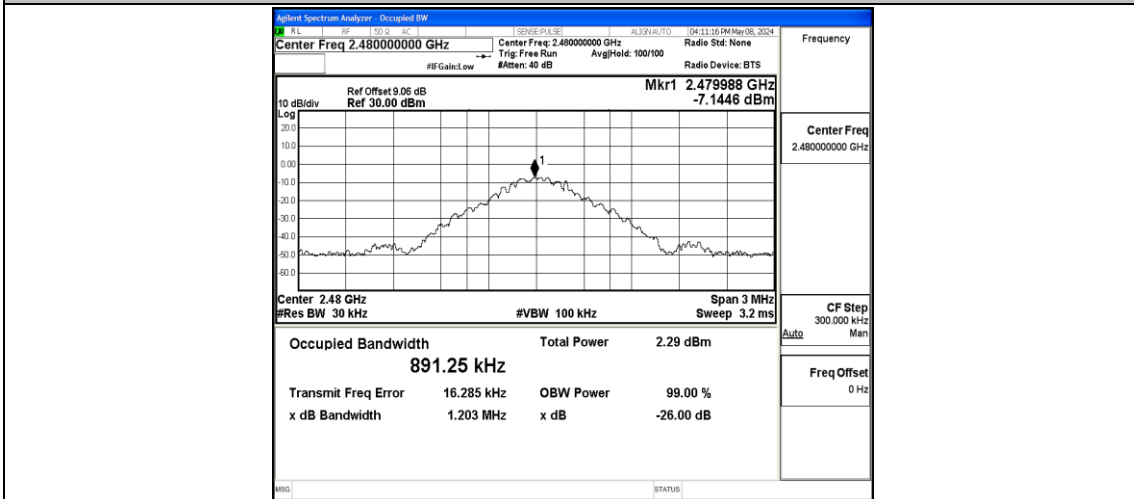
Test Graphs



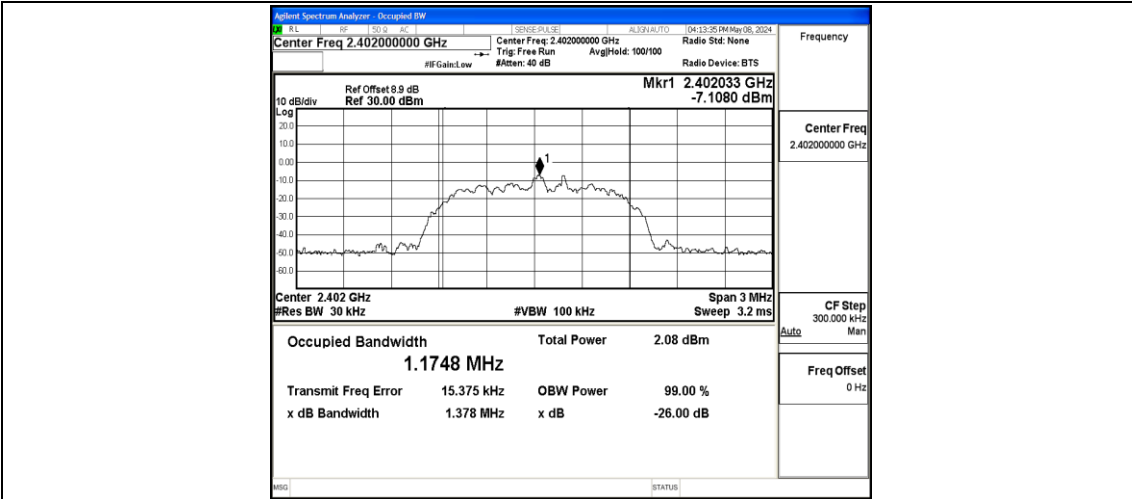
DH5-Ant1-2402



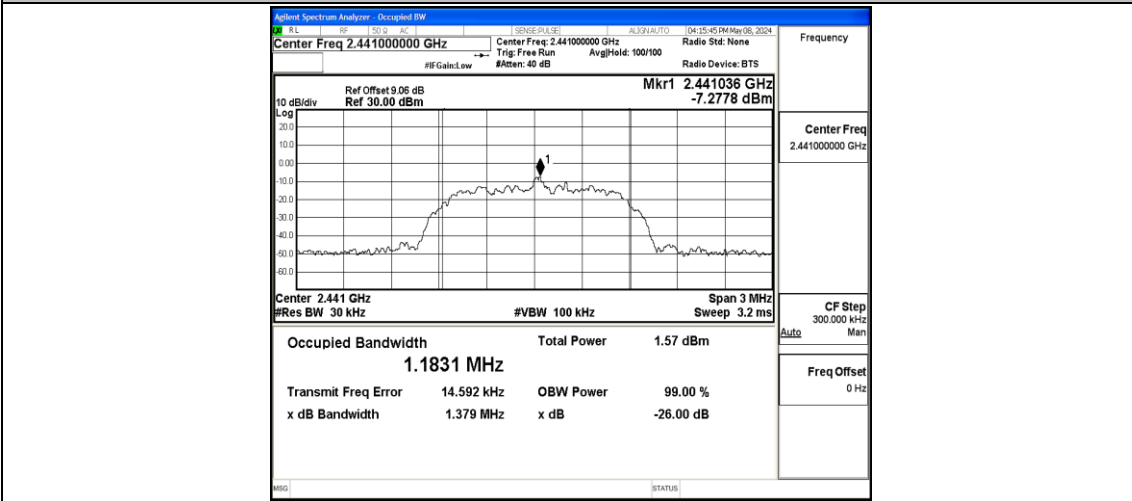
DH5-Ant1-2441



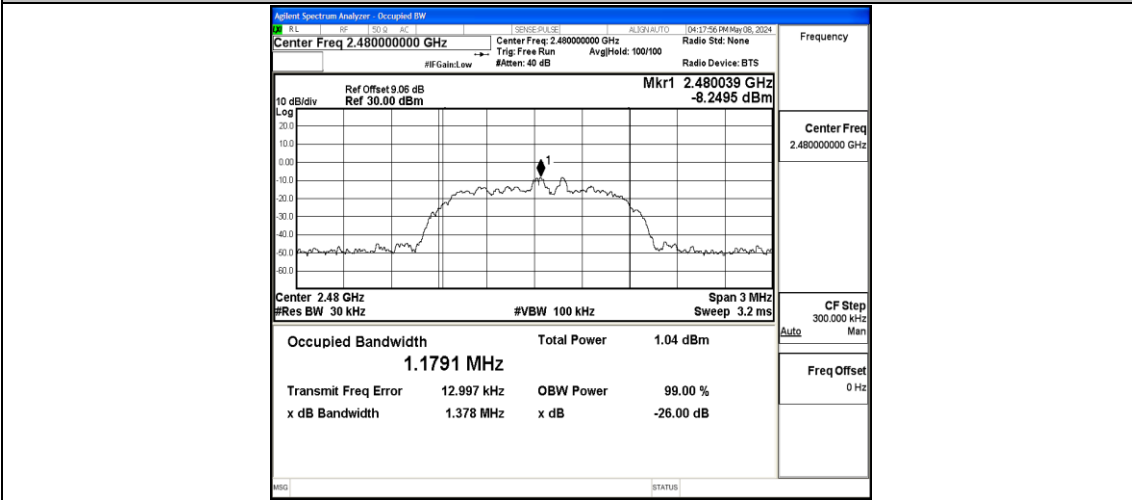
DH5-Ant1-2480



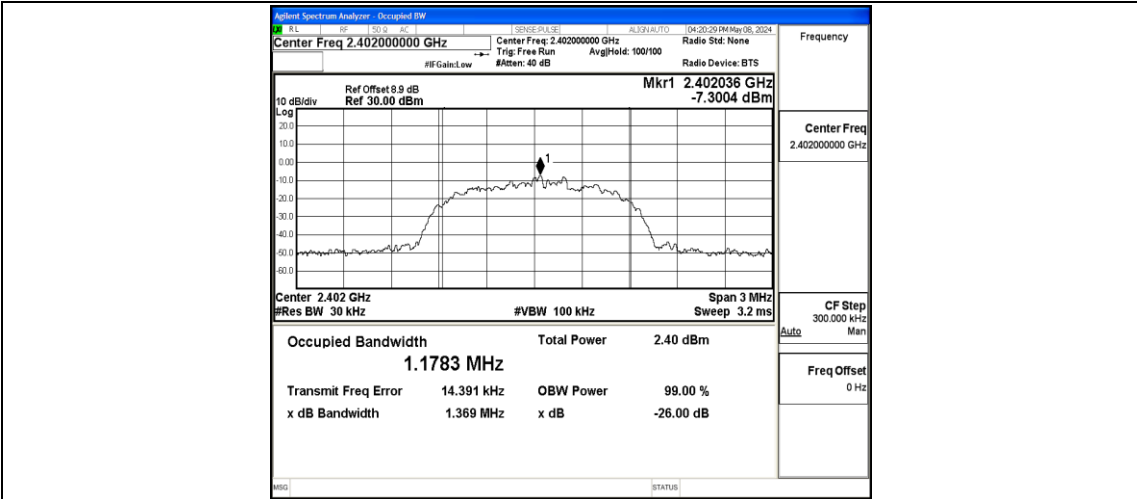
2DH5-Ant1-2402



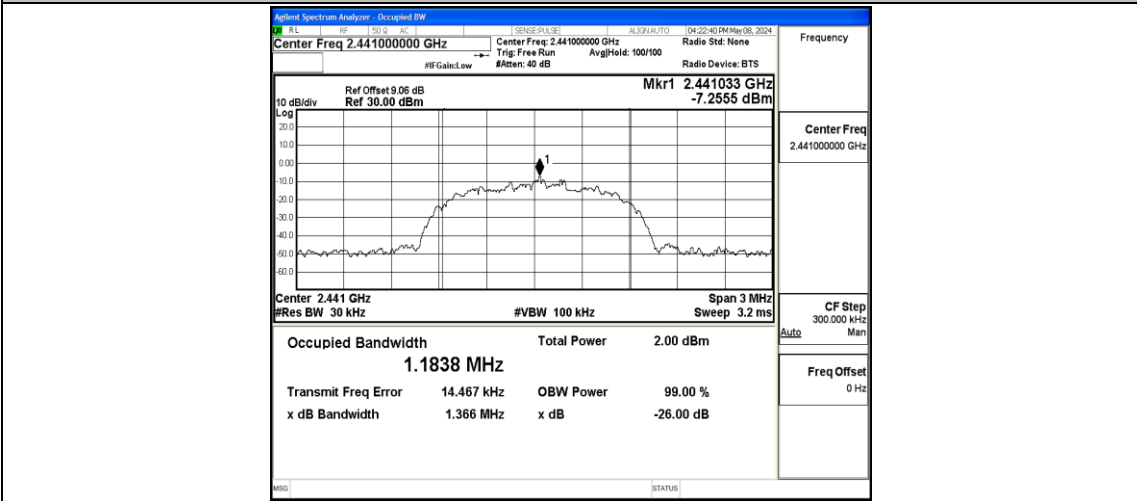
2DH5-Ant1-2441



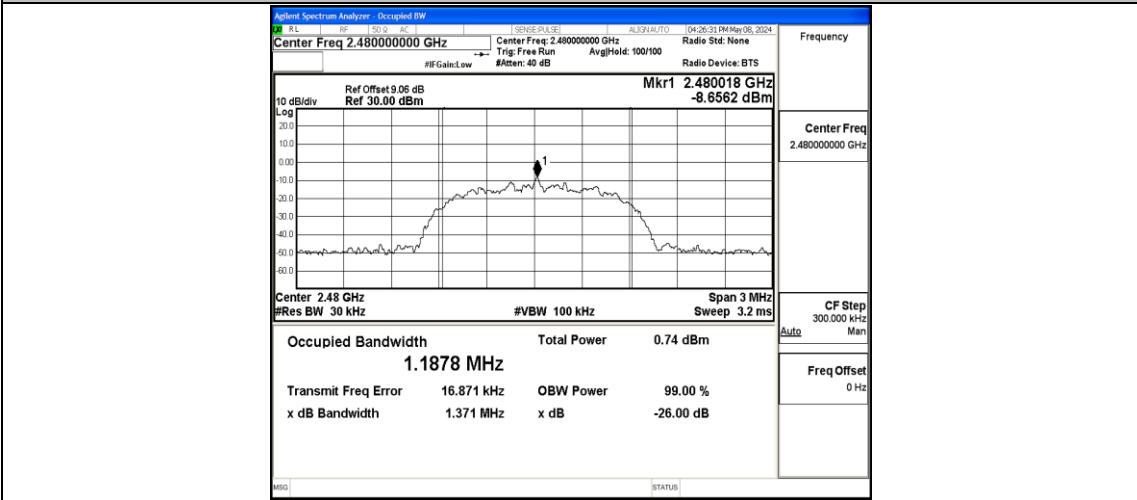
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



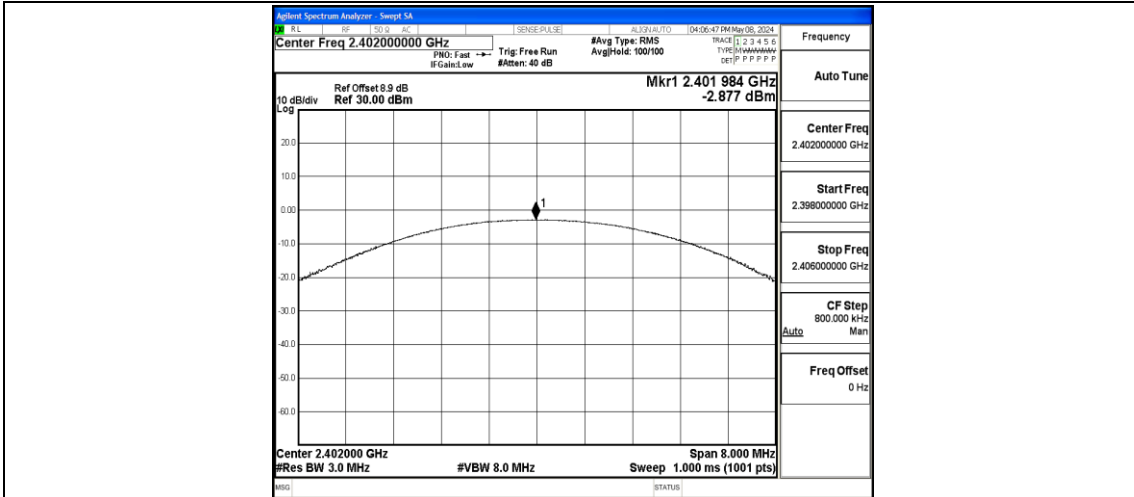
3DH5-Ant1-2480

Appendix C: Maximum peak conducted output power

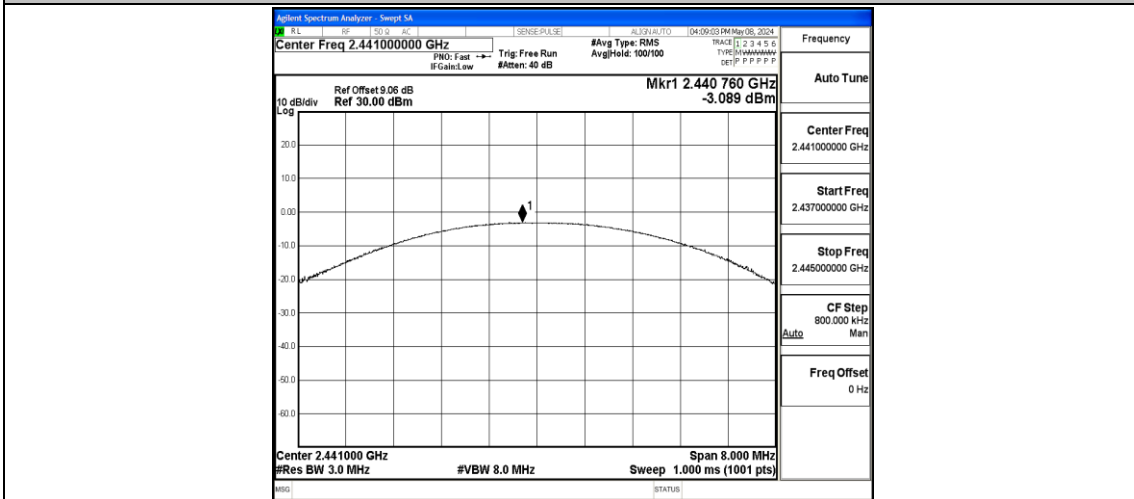
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.88	≤30	PASS
DH5	Ant1	2441	-3.09	≤30	PASS
DH5	Ant1	2480	-3.97	≤30	PASS
2DH5	Ant1	2402	-2.75	≤20.97	PASS
2DH5	Ant1	2441	-2.79	≤20.97	PASS
2DH5	Ant1	2480	-3.57	≤20.97	PASS
3DH5	Ant1	2402	-2.10	≤20.97	PASS
3DH5	Ant1	2441	-2.27	≤20.97	PASS
3DH5	Ant1	2480	-3.28	≤20.97	PASS

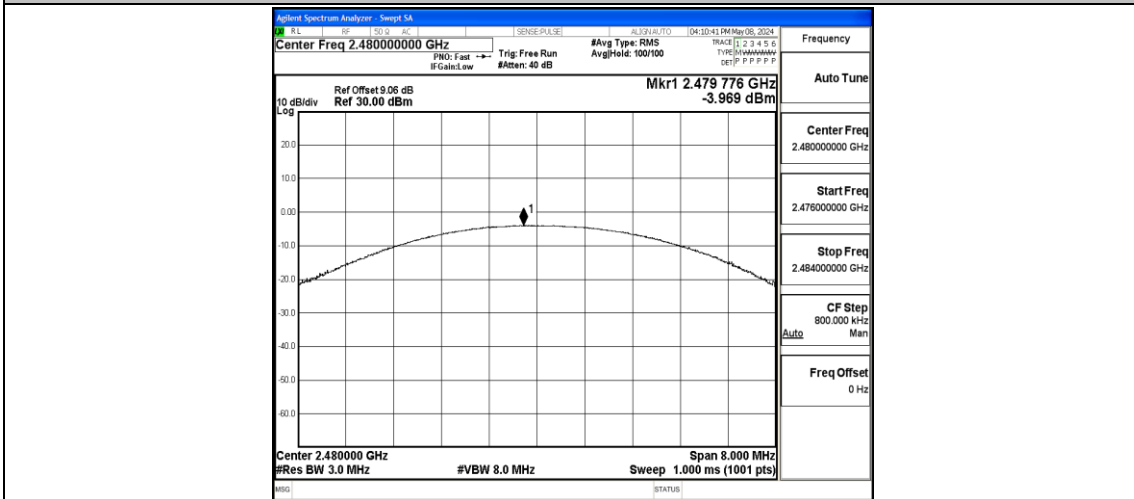
Test Graphs



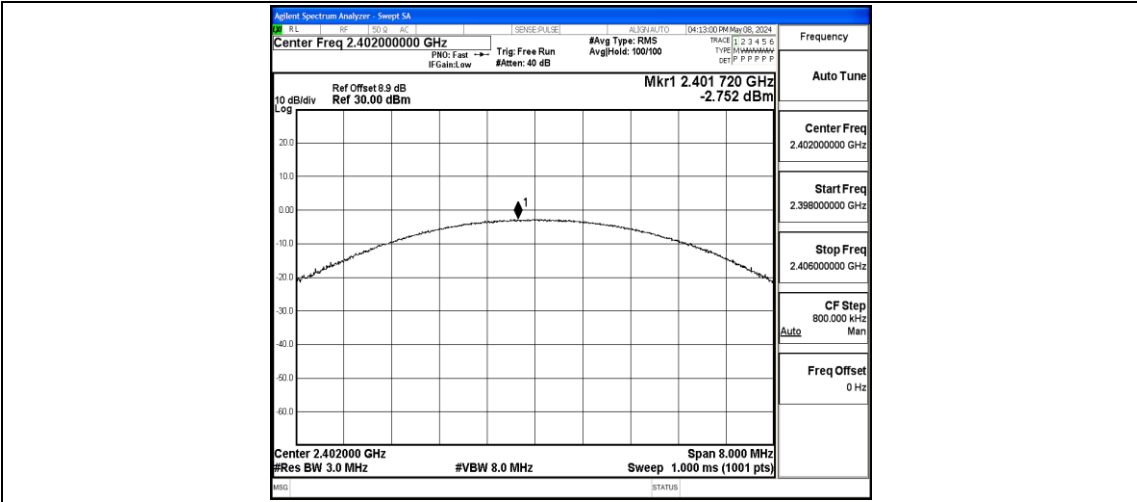
DH5-Ant1-2402-PASS



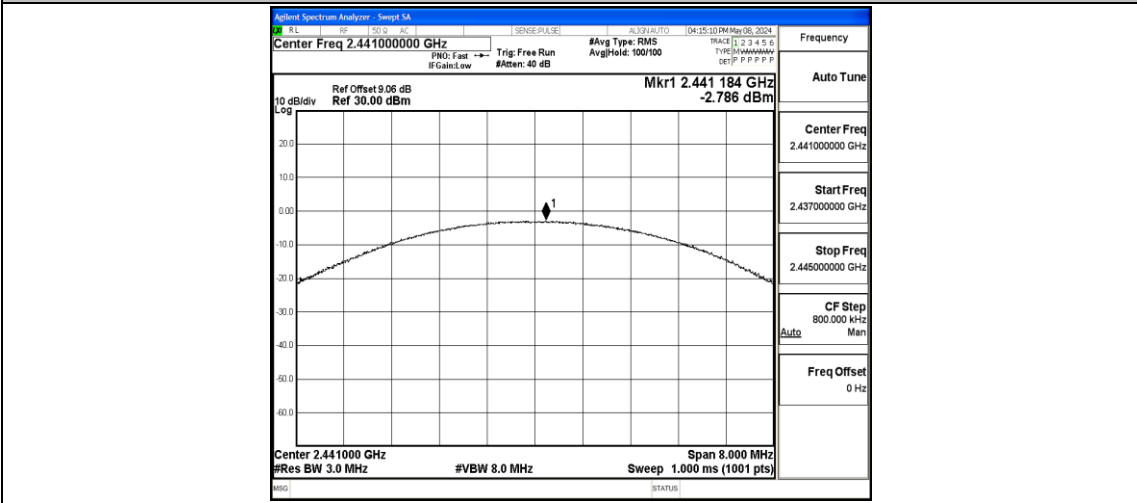
DH5-Ant1-2441-PASS



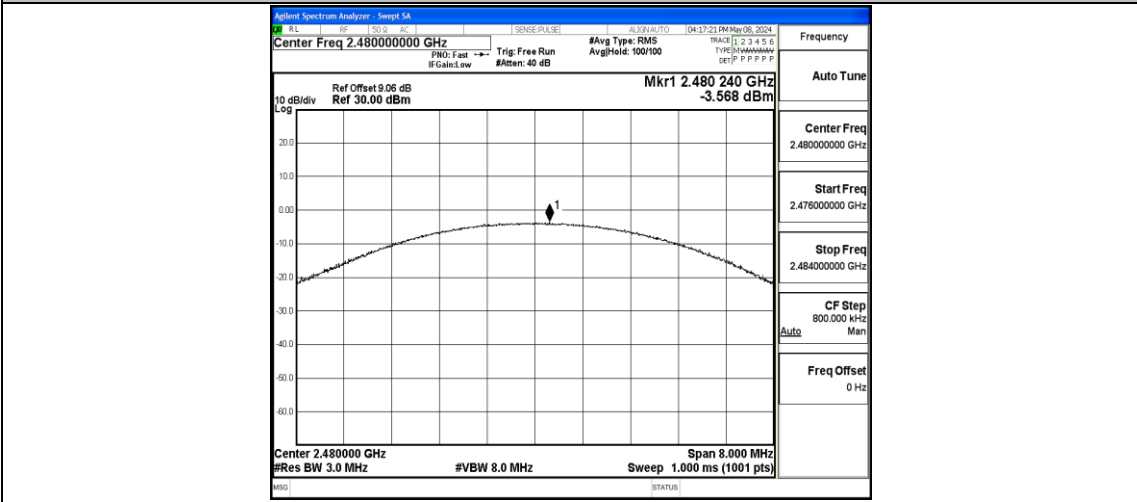
DH5-Ant1-2480-PASS



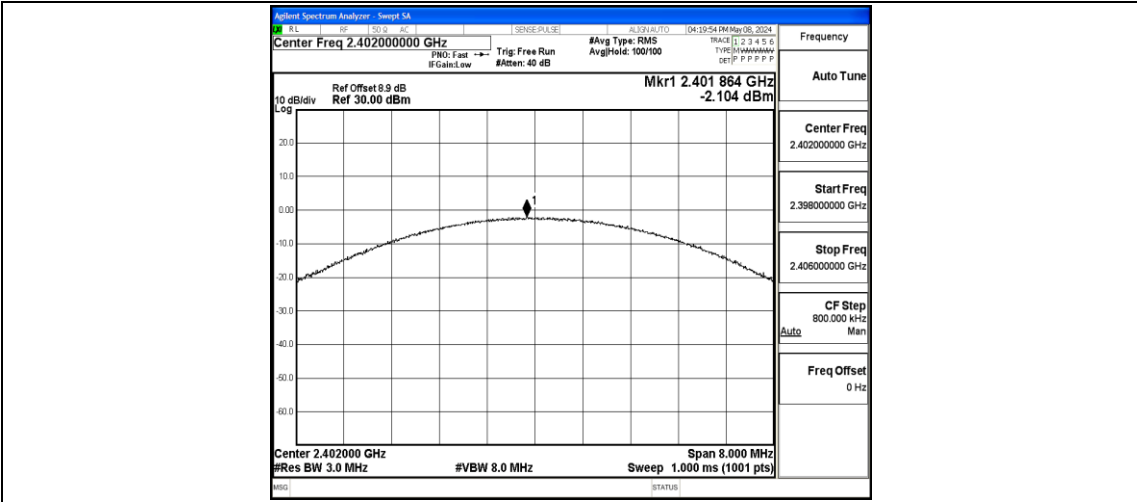
2DH5-Ant1-2402-PASS



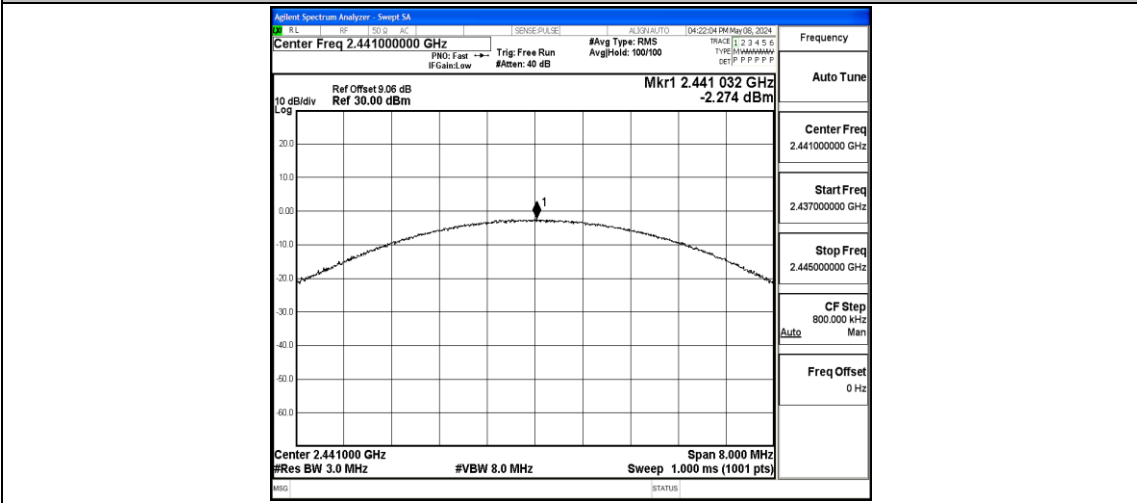
2DH5-Ant1-2441-PASS



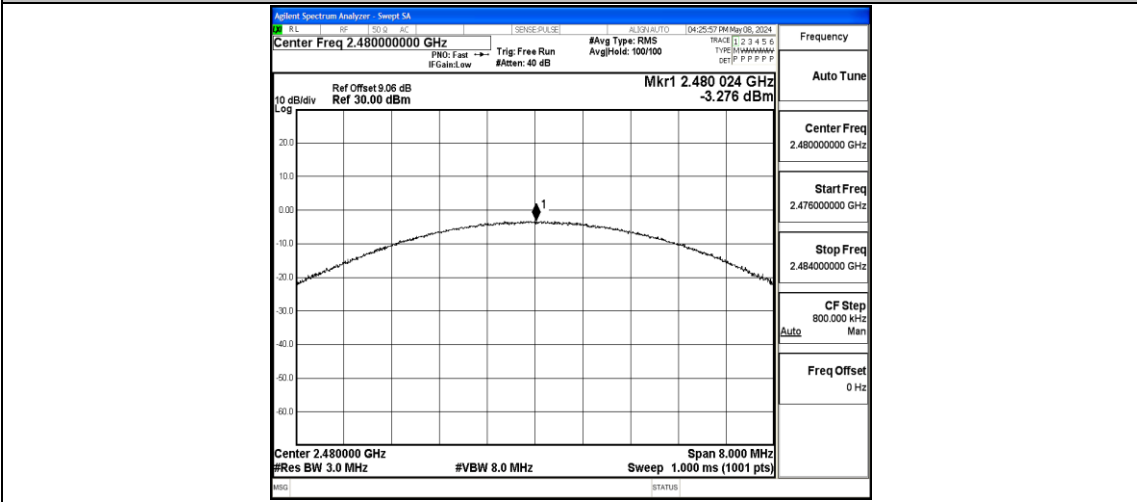
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



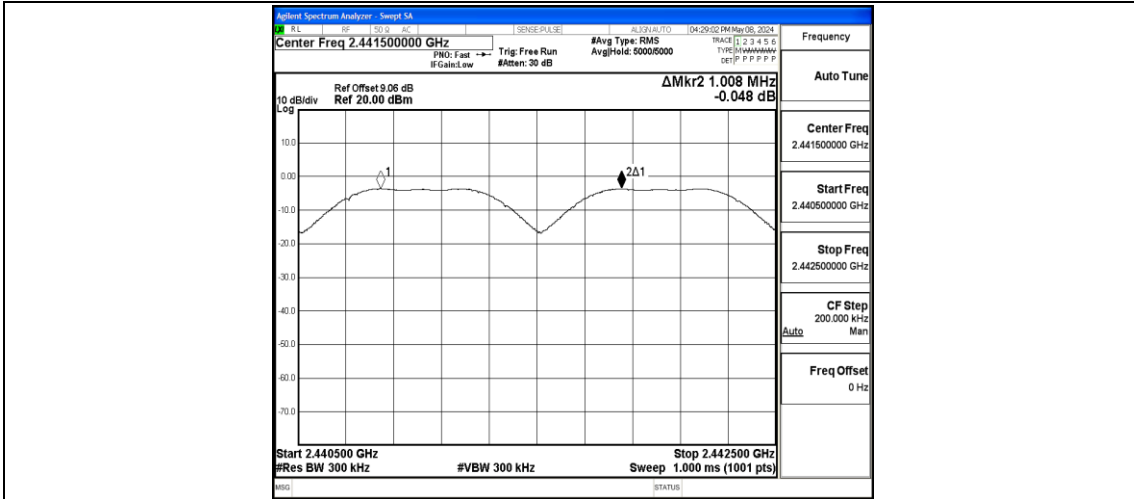
3DH5-Ant1-2480-PASS

Appendix D: Carrier frequency separation

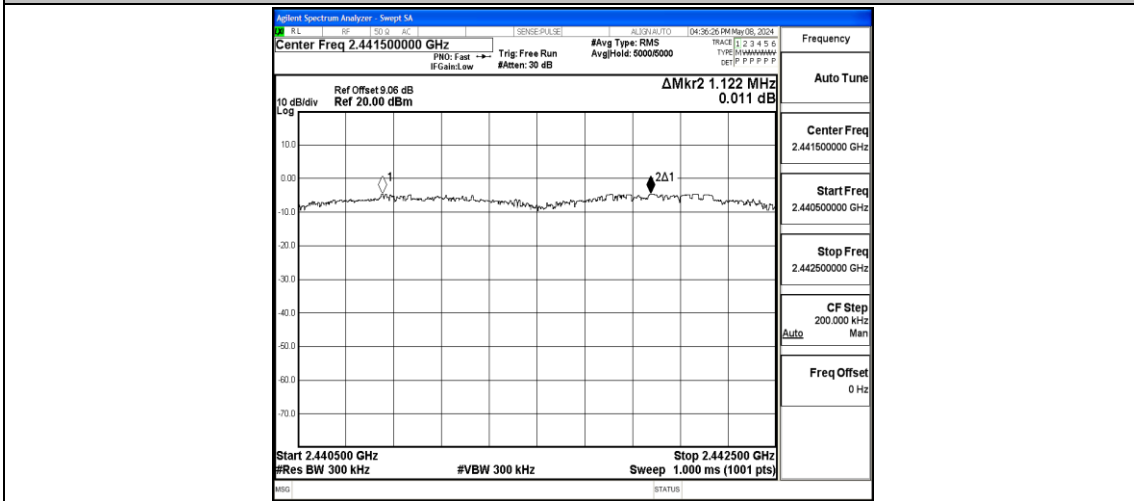
Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.678	PASS
2DH5	Ant1	Hop	1.122	≥ 0.874	PASS
3DH5	Ant1	Hop	1.156	≥ 0.874	PASS

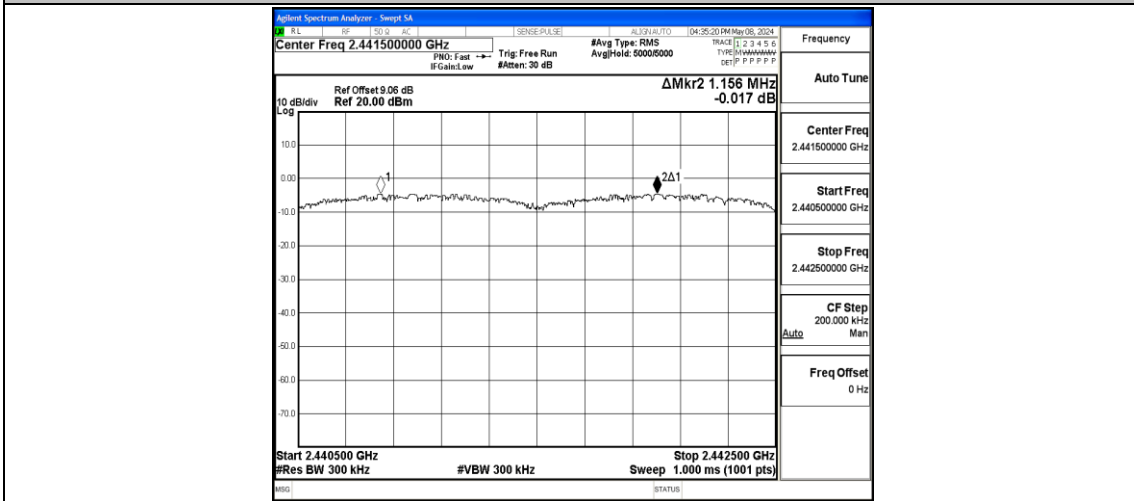
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



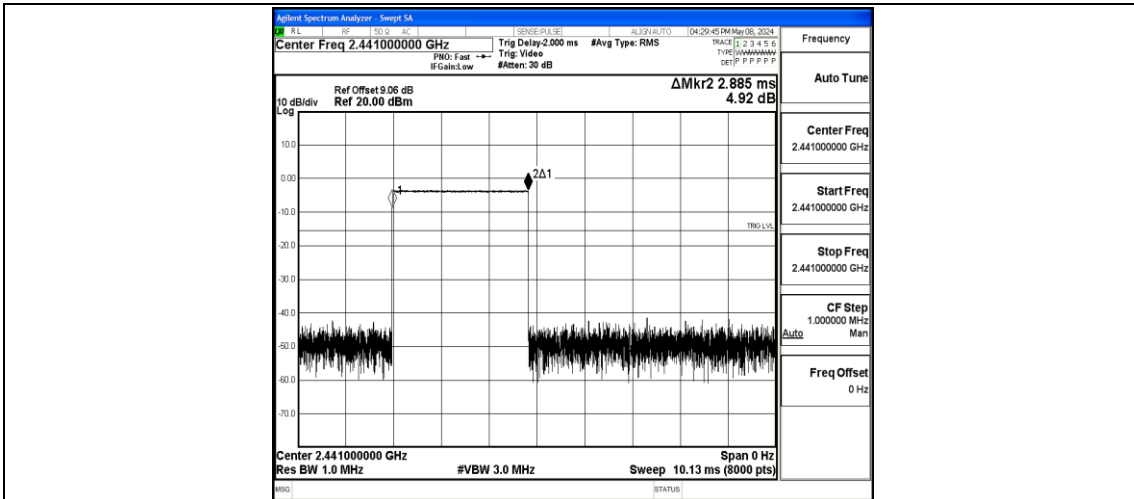
3DH5-Ant1-Hop-PASS

Appendix E: Time of occupancy

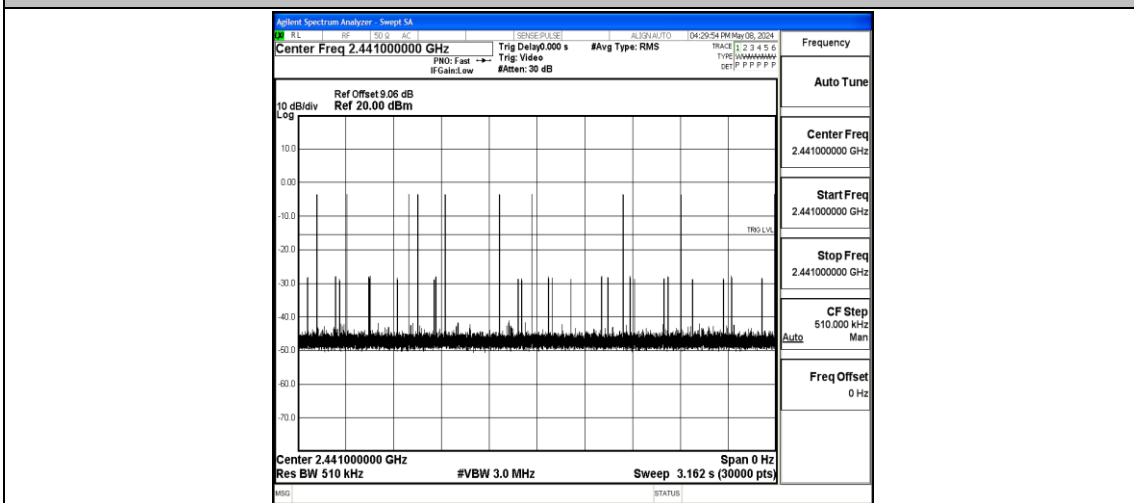
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.891	100	0.289	≤0.4	PASS
3DH5	Ant1	Hop	2.892	90	0.26	≤0.4	PASS

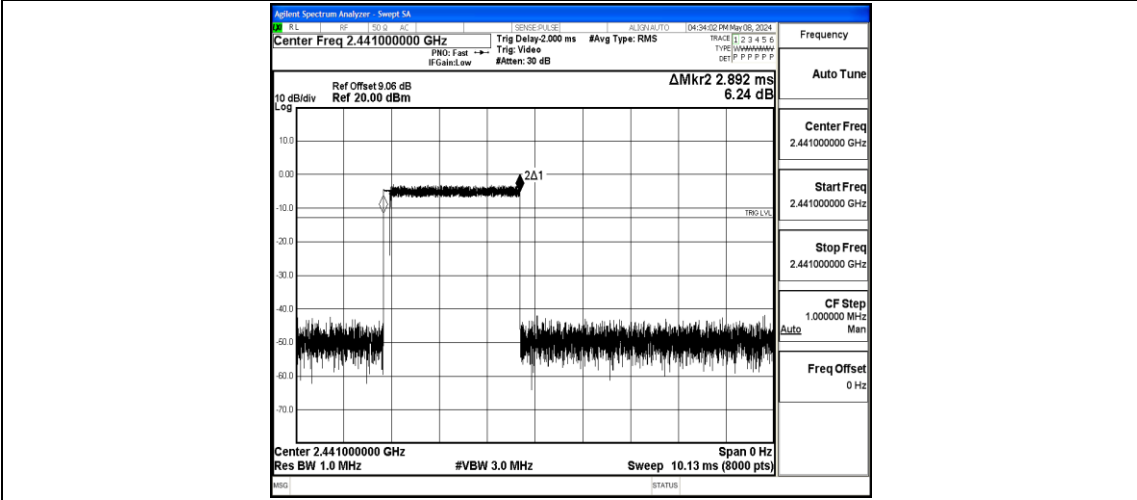
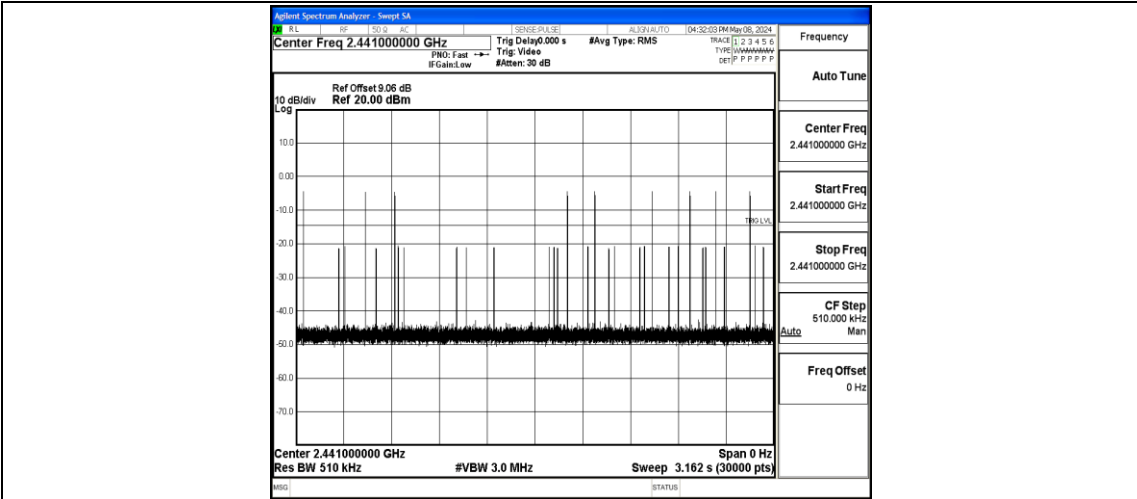
Test Graphs



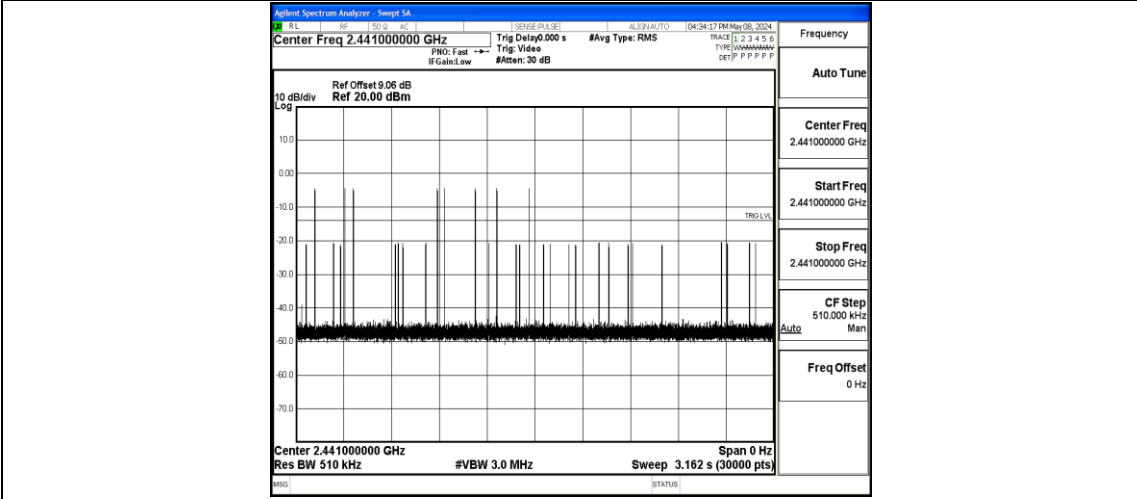
DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

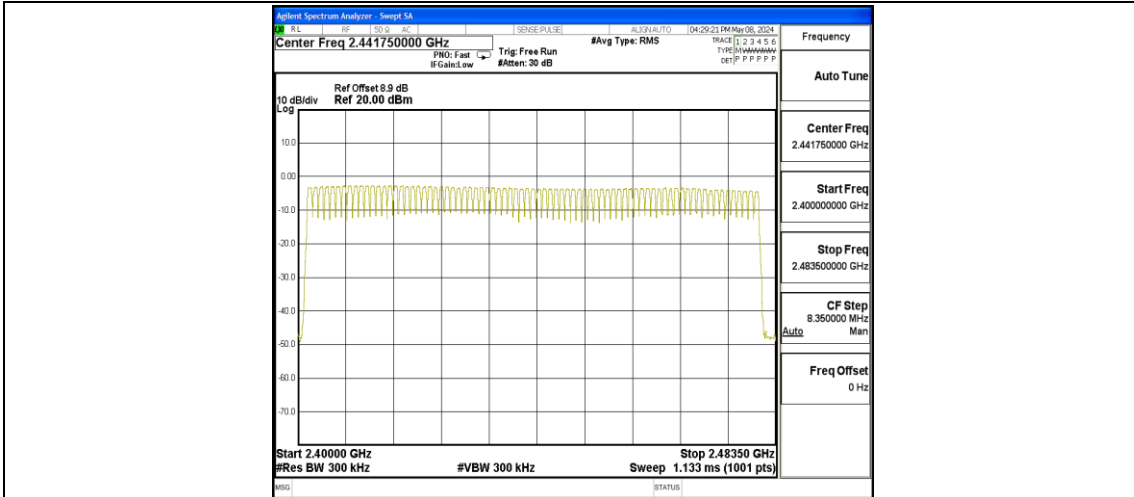


Appendix F: Number of hopping channels

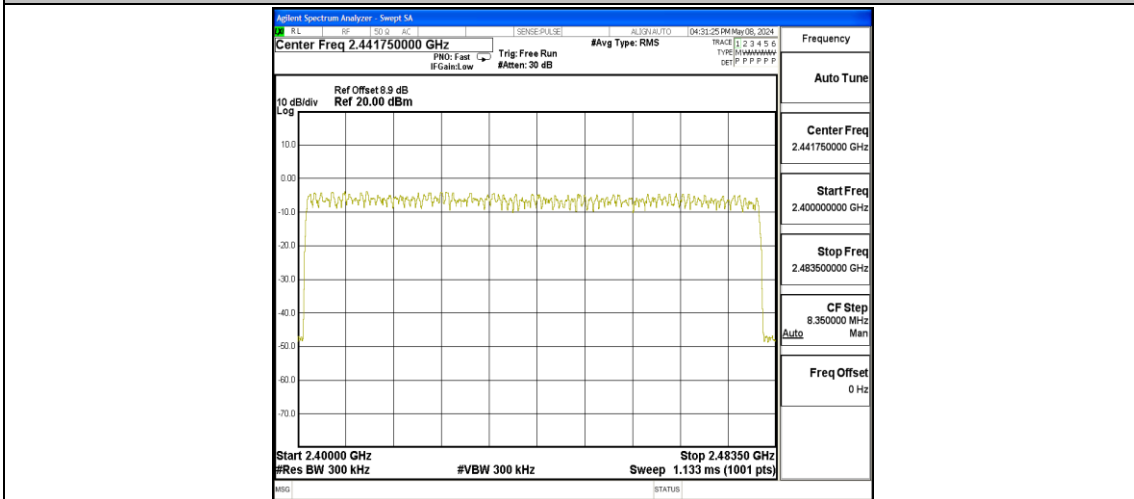
Test Result

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

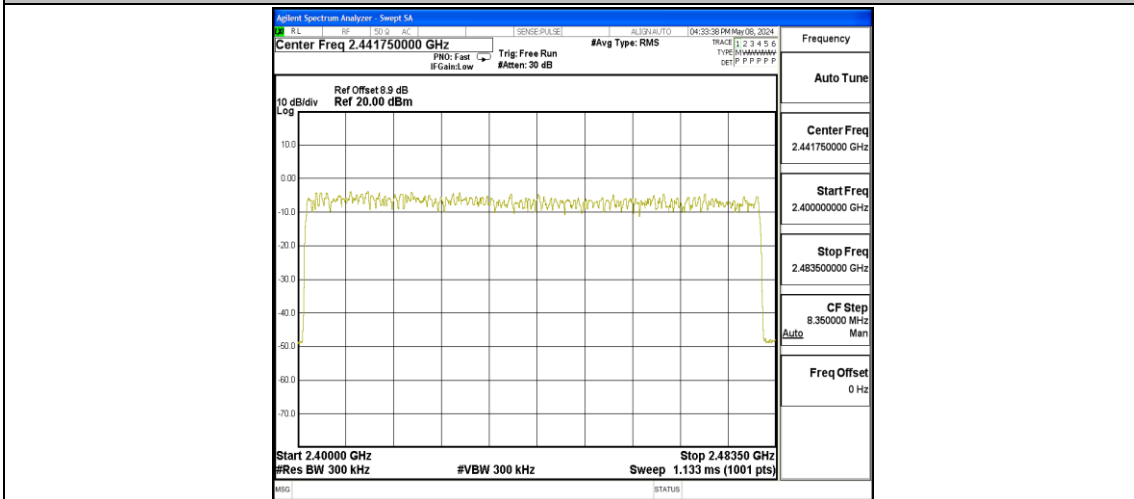
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



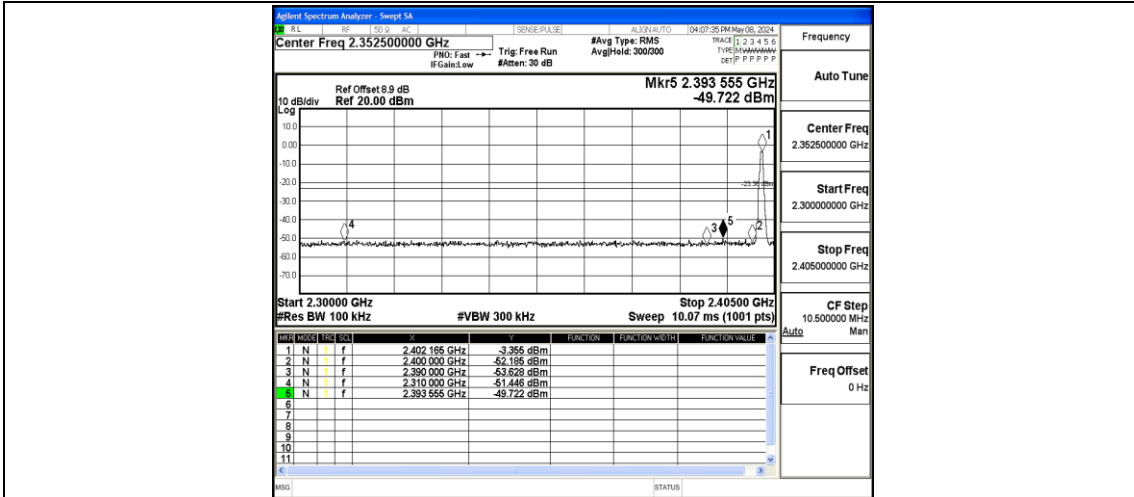
3DH5-Ant1-Hop-PASS

Appendix G: Band edge measurements

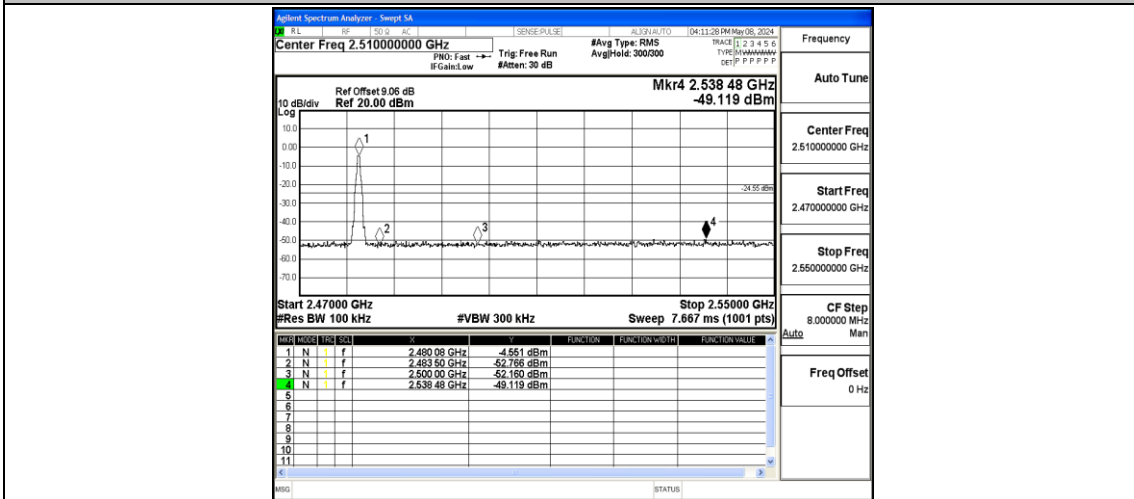
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.36	-49.72	≤-23.36	PASS
DH5	Ant1	High	2480	-4.55	-49.12	≤-24.55	PASS
DH5	Ant1	Low	Hop_2402	-3.75	-50.78	≤-23.75	PASS
DH5	Ant1	High	Hop_2480	-4.44	-49.65	≤-24.44	PASS
2DH5	Ant1	Low	2402	-4.41	-49.59	≤-24.41	PASS
2DH5	Ant1	High	2480	-5.36	-48.73	≤-25.36	PASS
2DH5	Ant1	Low	Hop_2402	-8.40	-49.61	≤-28.4	PASS
2DH5	Ant1	High	Hop_2480	-8.12	-49.7	≤-28.12	PASS
3DH5	Ant1	Low	2402	-5.06	-49.38	≤-25.06	PASS
3DH5	Ant1	High	2480	-5.52	-49.78	≤-25.52	PASS
3DH5	Ant1	Low	Hop_2402	-8.37	-50.89	≤-28.37	PASS
3DH5	Ant1	High	Hop_2480	-5.73	-49.11	≤-25.73	PASS

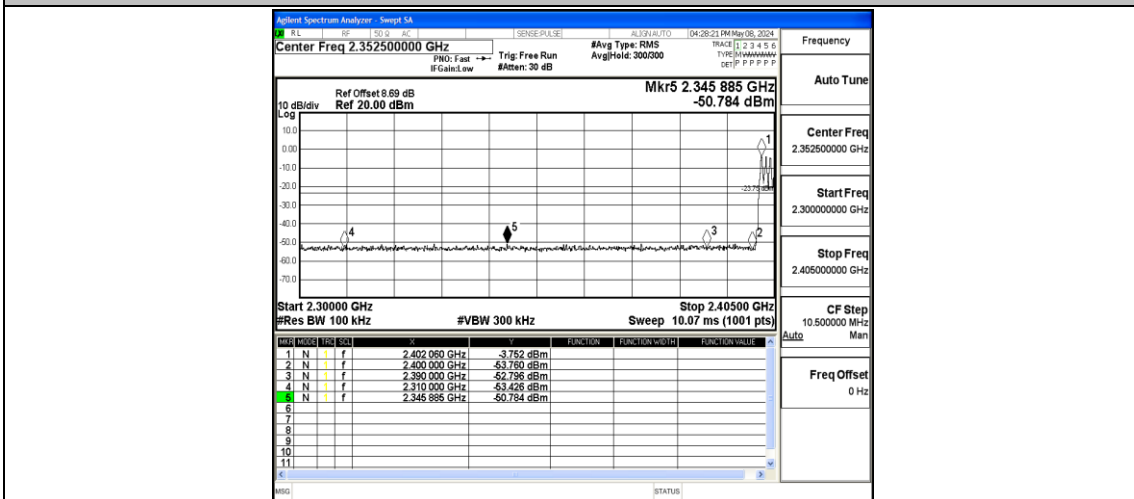
Test Graphs



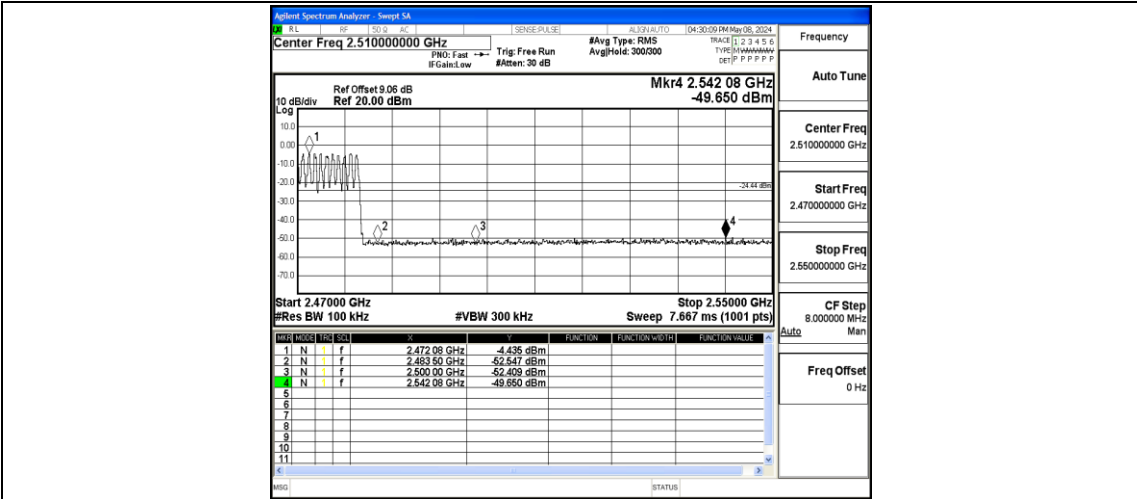
DH5-Ant1-2402-PASS



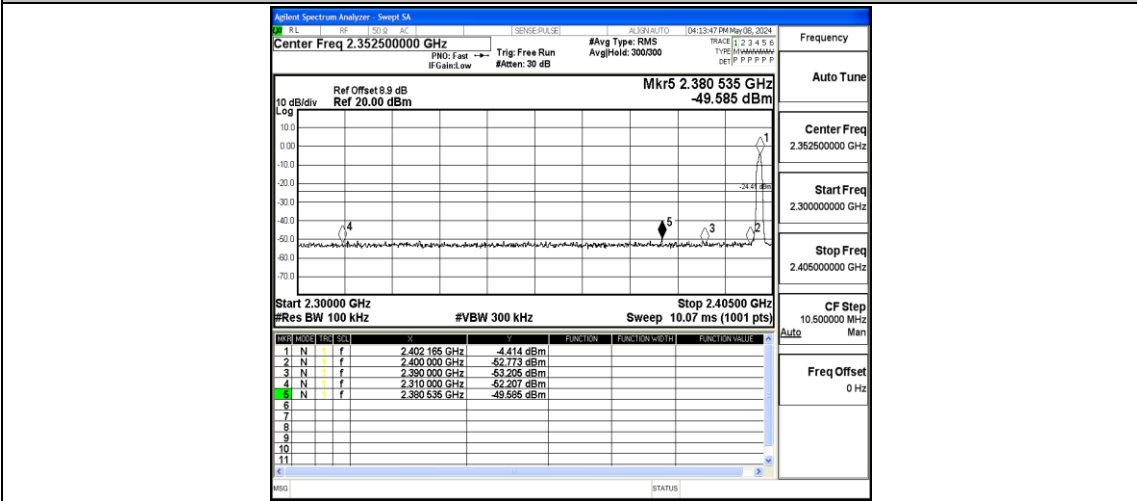
DH5-Ant1-2480-PASS



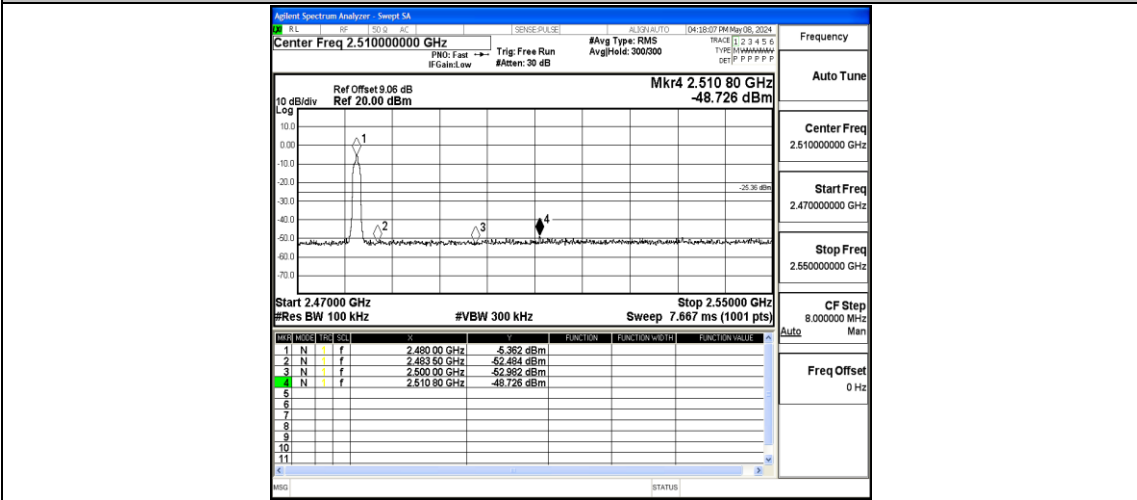
DH5-Ant1-Hop_2402-PASS



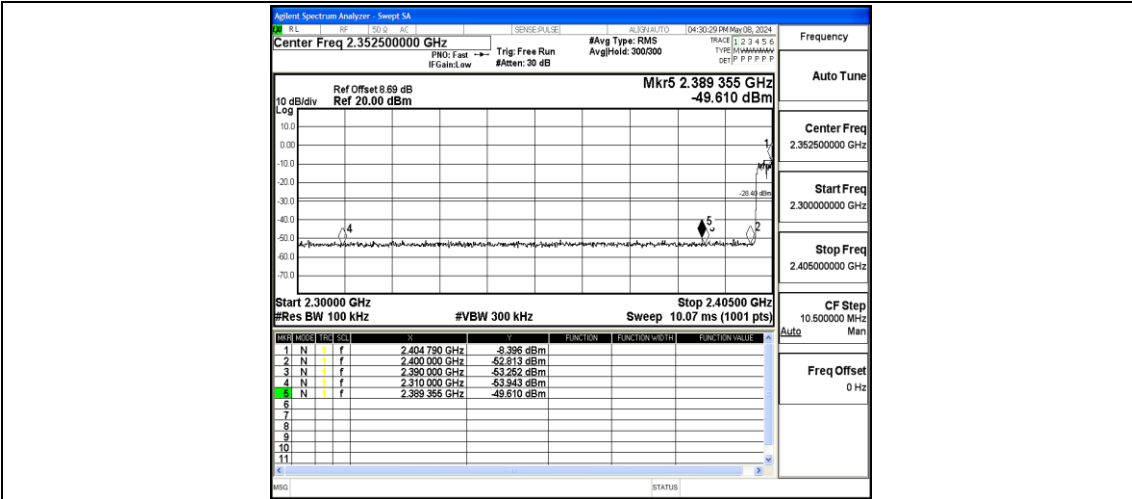
DH5-Ant1-Hop_2480-PASS



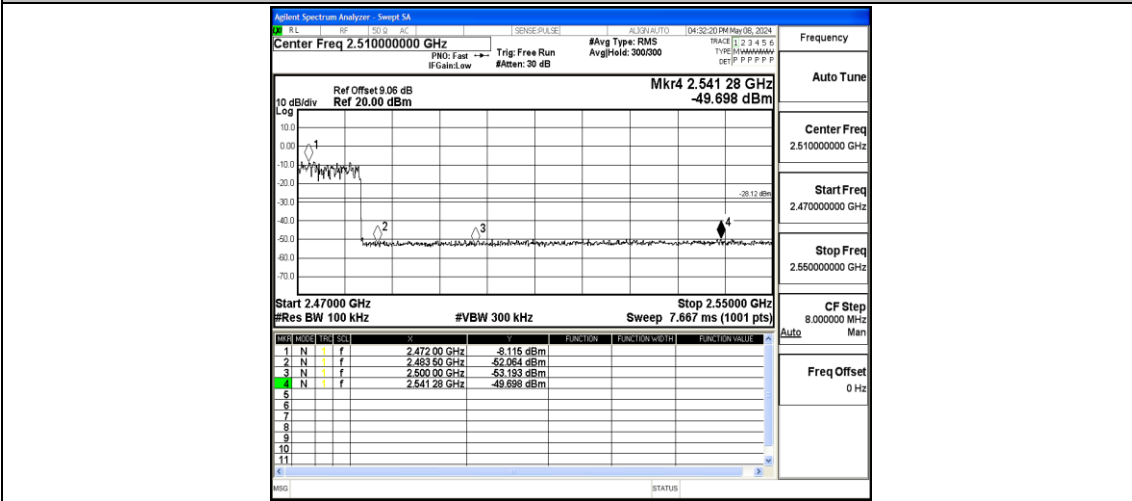
2DH5-Ant1-2402-PASS



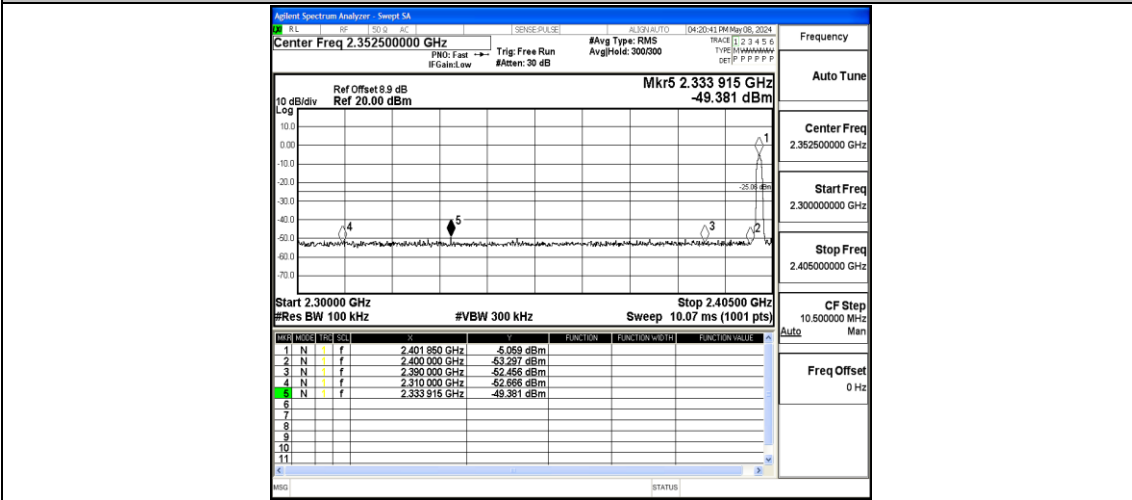
2DH5-Ant1-2480-PASS



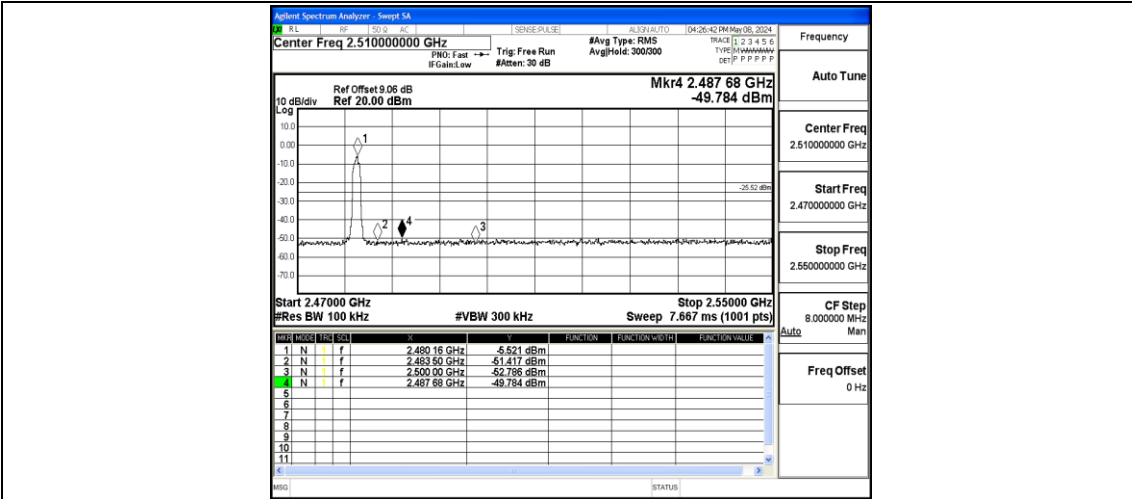
2DH5-Ant1-Hop_2402-PASS



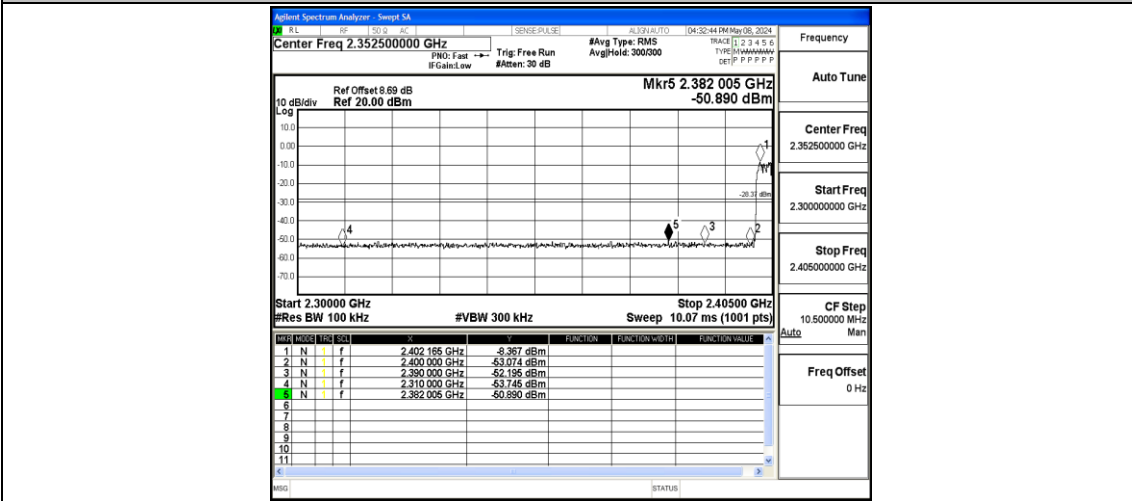
2DH5-Ant1-Hop_2480-PASS



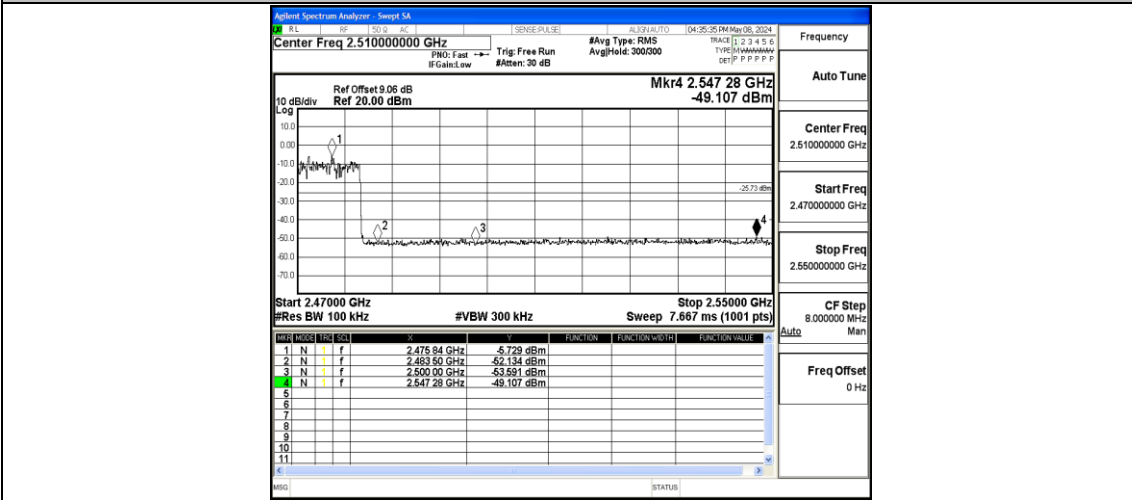
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



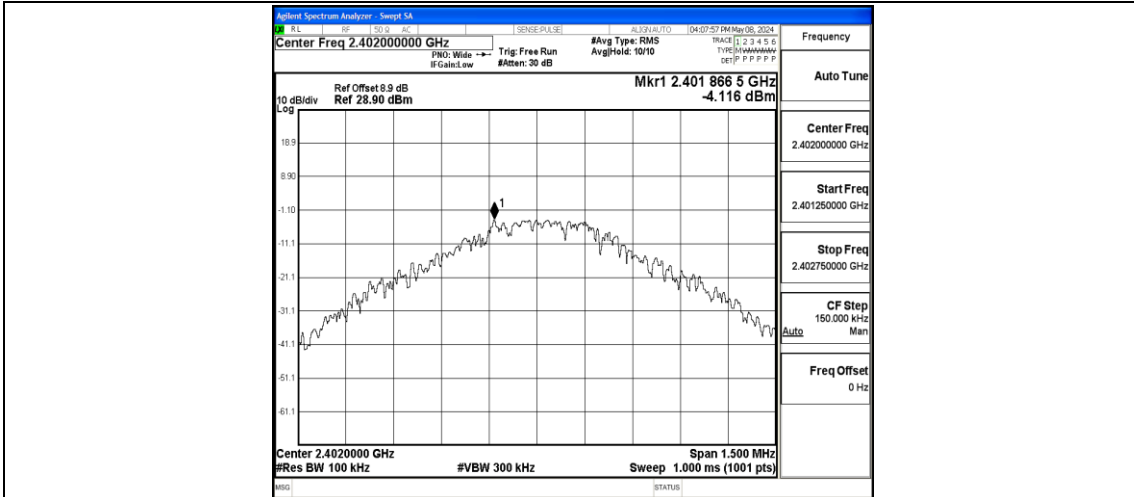
3DH5-Ant1-Hop_2480-PASS

Appendix H: Conducted Spurious Emission

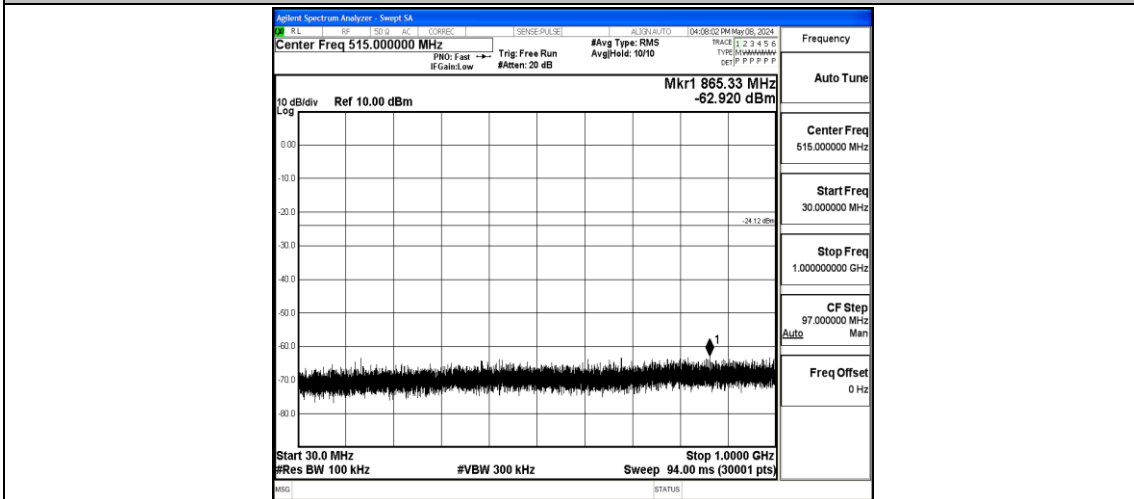
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-4.12	-4.12	---	PASS
DH5	Ant1	2402	30~1000	-4.12	-62.92	≤-24.12	PASS
DH5	Ant1	2402	1000~26500	-4.12	-49.37	≤-24.12	PASS
DH5	Ant1	2441	0~Reference	-4.34	-4.34	---	PASS
DH5	Ant1	2441	30~1000	-4.34	-62.64	≤-24.34	PASS
DH5	Ant1	2441	1000~26500	-4.34	-50.45	≤-24.34	PASS
DH5	Ant1	2480	0~Reference	-5.06	-5.06	---	PASS
DH5	Ant1	2480	30~1000	-5.06	-61.18	≤-25.06	PASS
DH5	Ant1	2480	1000~26500	-5.06	-50.21	≤-25.06	PASS
2DH5	Ant1	2402	0~Reference	-8.36	-8.36	---	PASS
2DH5	Ant1	2402	30~1000	-8.36	-62.76	≤-28.36	PASS
2DH5	Ant1	2402	1000~26500	-8.36	-50.75	≤-28.36	PASS
2DH5	Ant1	2441	0~Reference	-6.13	-6.13	---	PASS
2DH5	Ant1	2441	30~1000	-6.13	-62.64	≤-26.13	PASS
2DH5	Ant1	2441	1000~26500	-6.13	-50.75	≤-26.13	PASS
2DH5	Ant1	2480	0~Reference	-8.33	-8.33	---	PASS
2DH5	Ant1	2480	30~1000	-8.33	-62.9	≤-28.33	PASS
2DH5	Ant1	2480	1000~26500	-8.33	-50.07	≤-28.33	PASS
3DH5	Ant1	2402	0~Reference	-5.75	-5.75	---	PASS
3DH5	Ant1	2402	30~1000	-5.75	-62.82	≤-25.75	PASS
3DH5	Ant1	2402	1000~26500	-5.75	-49.92	≤-25.75	PASS
3DH5	Ant1	2441	0~Reference	-5.42	-5.42	---	PASS
3DH5	Ant1	2441	30~1000	-5.42	-62.64	≤-25.42	PASS
3DH5	Ant1	2441	1000~26500	-5.42	-49.39	≤-25.42	PASS
3DH5	Ant1	2480	0~Reference	-8.42	-8.42	---	PASS
3DH5	Ant1	2480	30~1000	-8.42	-62.47	≤-28.42	PASS
3DH5	Ant1	2480	1000~26500	-8.42	-49.3	≤-28.42	PASS

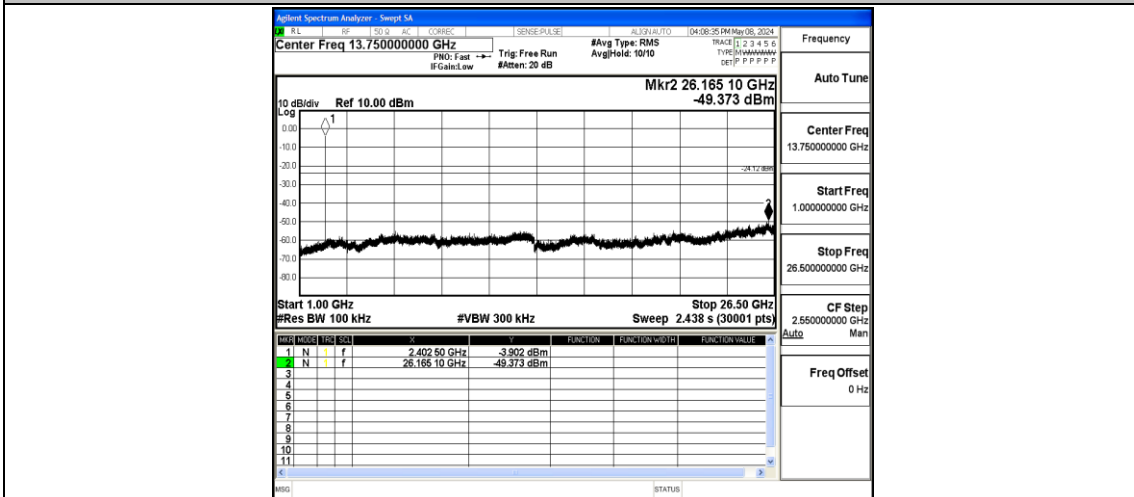
Test Graphs



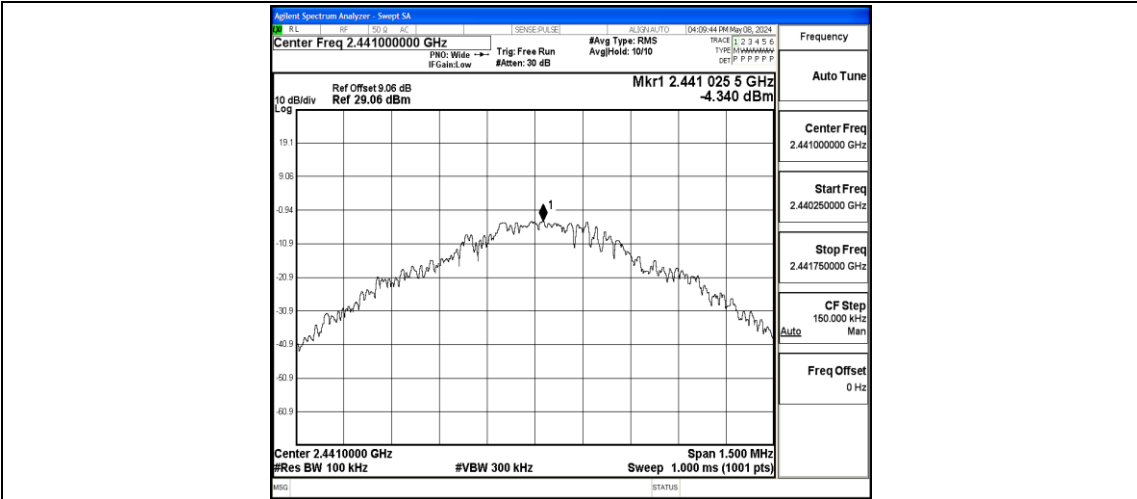
DH5-Ant1-2402-0~Reference-PASS



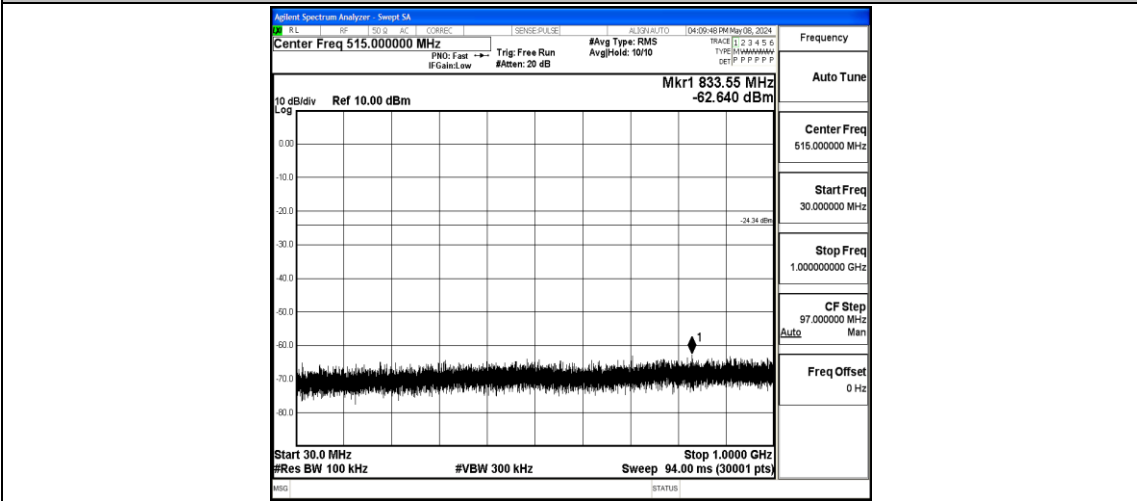
DH5-Ant1-2402-30~1000-PASS



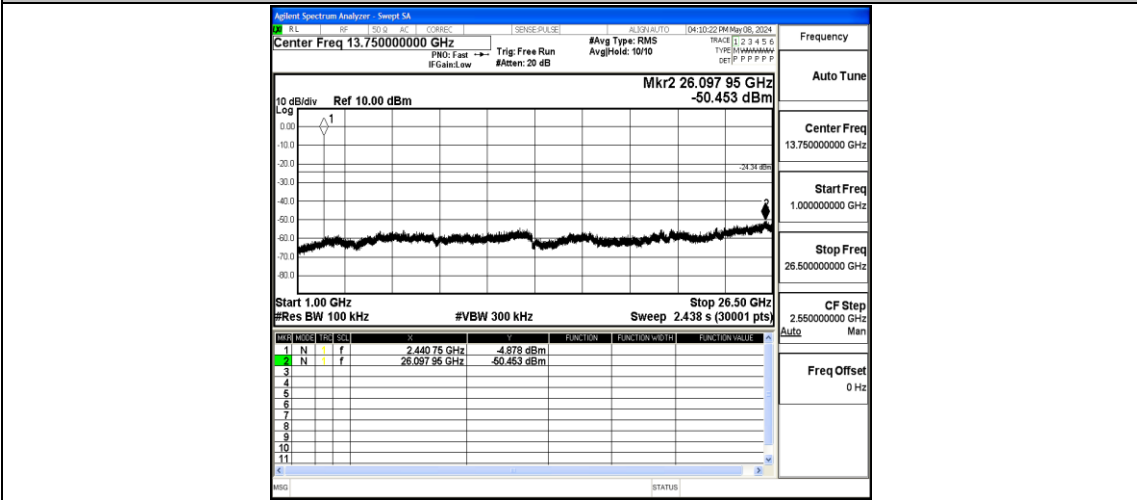
DH5-Ant1-2402-1000~26500-PASS



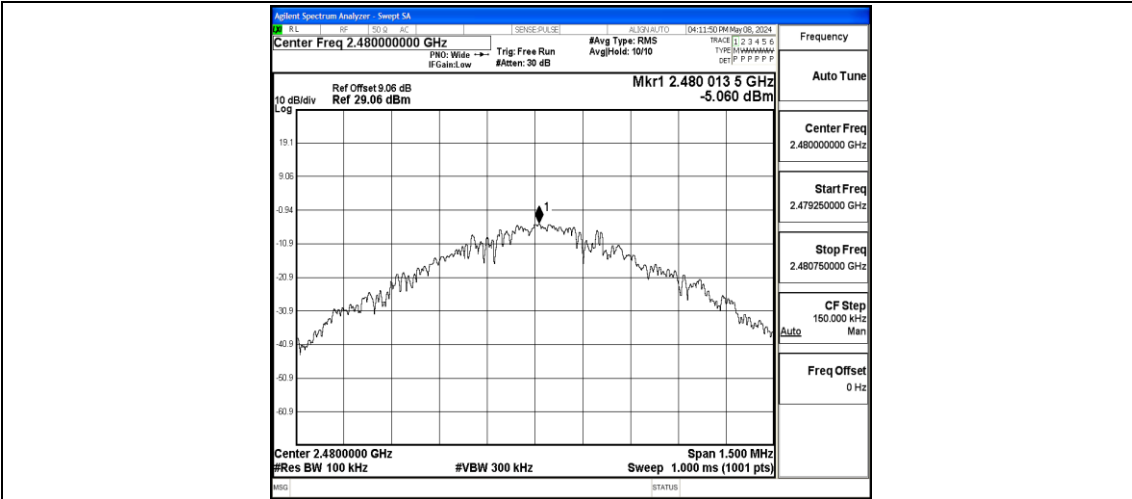
DH5-Ant1-2441-0~Reference-PASS



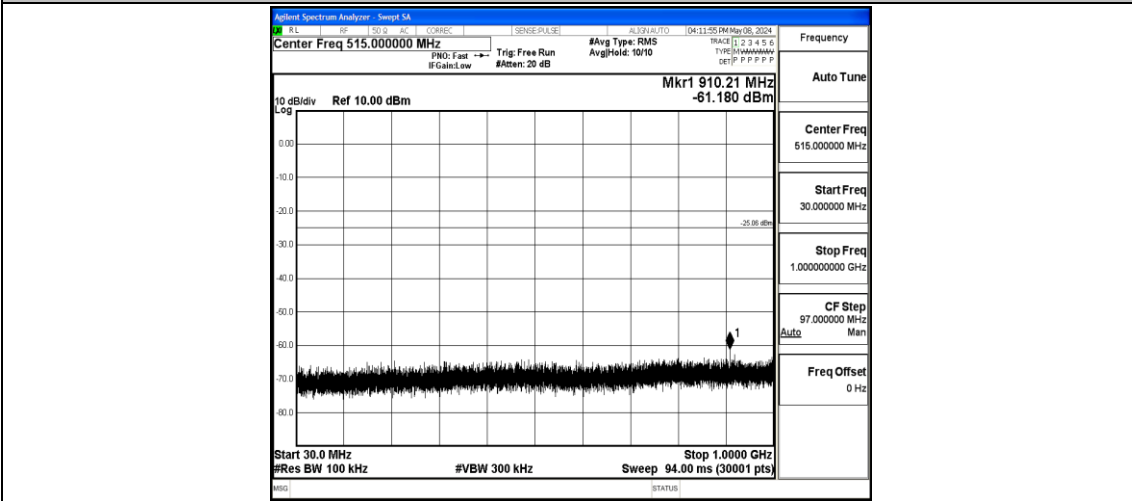
DH5-Ant1-2441-30~1000-PASS



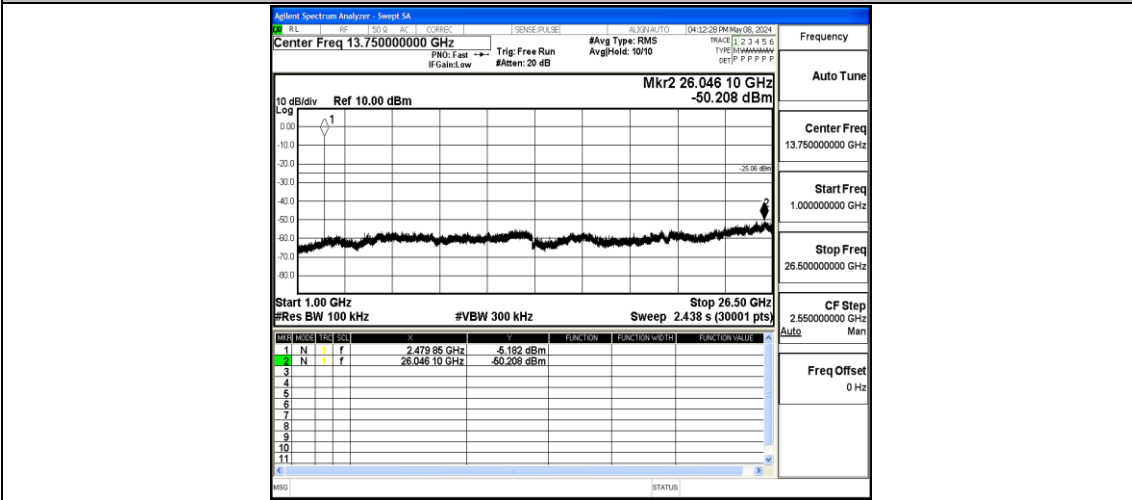
DH5-Ant1-2441-1000~26500-PASS



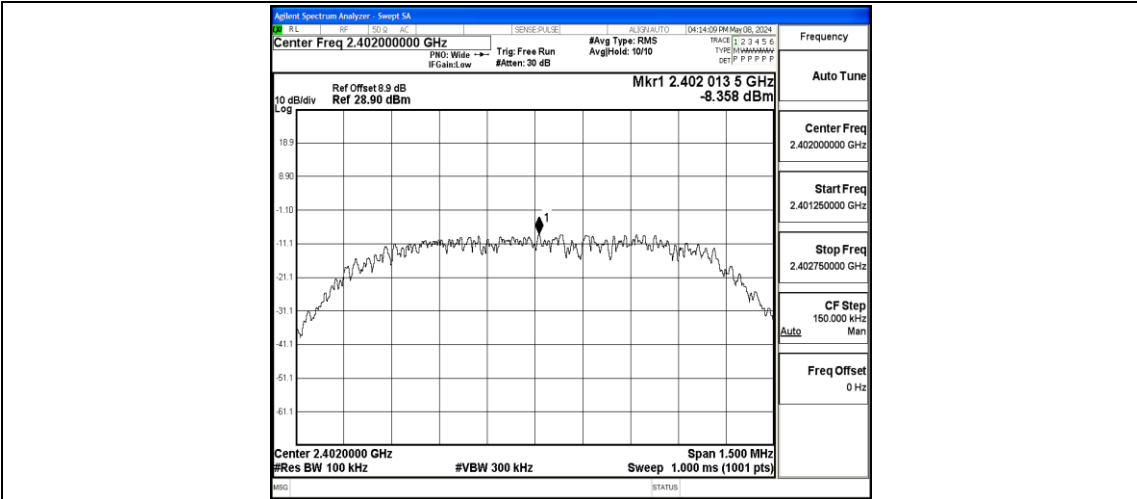
DH5-Ant1-2480-0~Reference-PASS



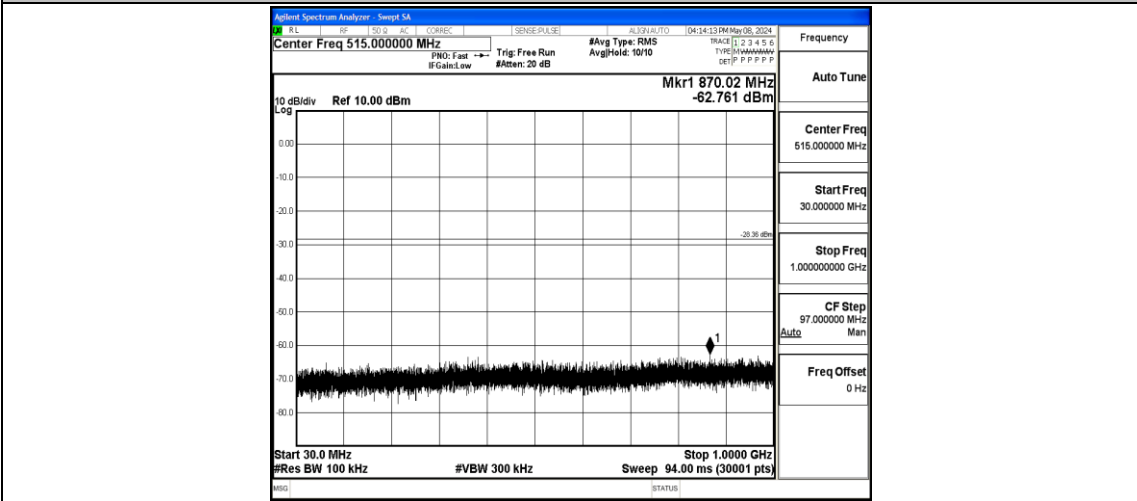
DH5-Ant1-2480-30~1000-PASS



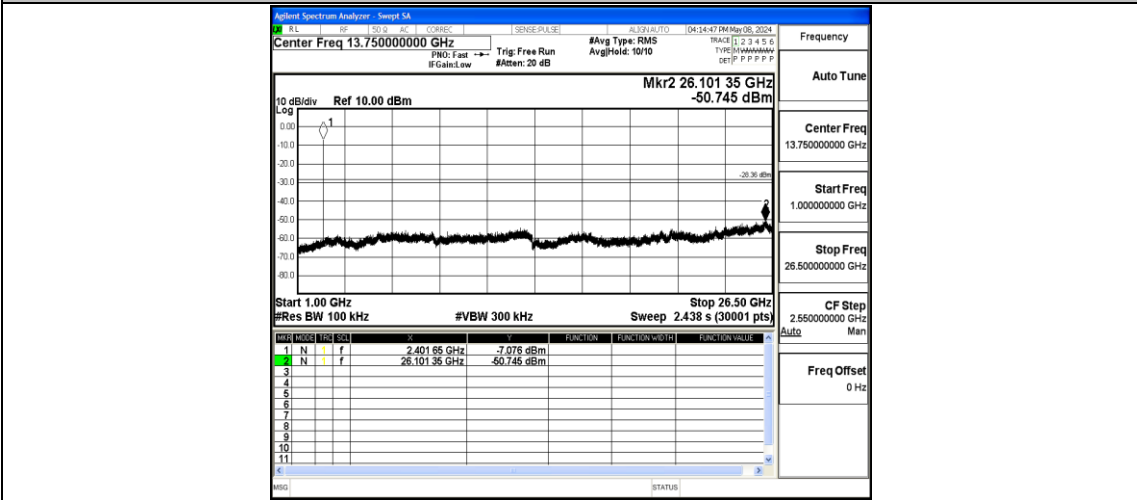
DH5-Ant1-2480-1000~26500-PASS



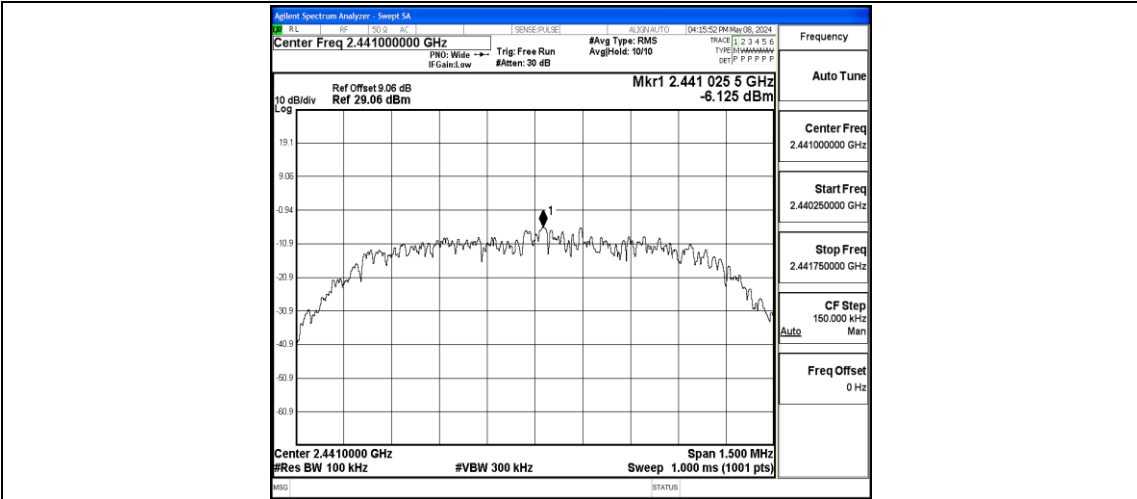
2DH5-Ant1-2402-0~Reference-PASS



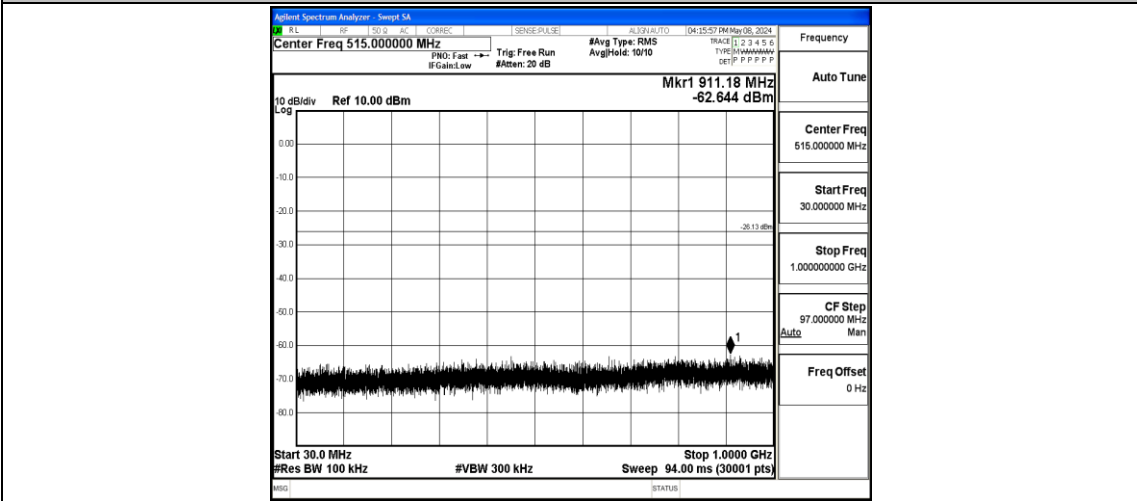
2DH5-Ant1-2402-30~1000-PASS



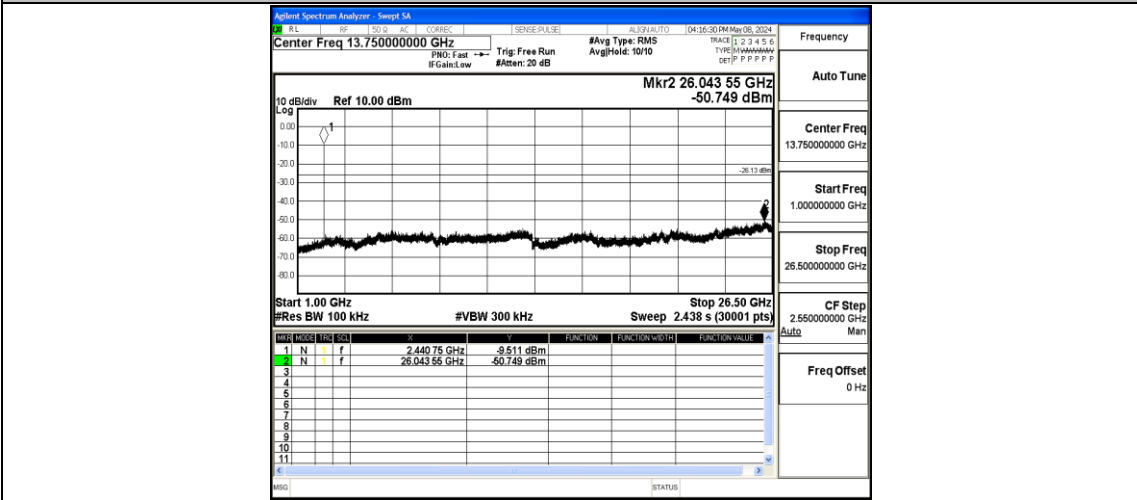
2DH5-Ant1-2402-1000~26500-PASS



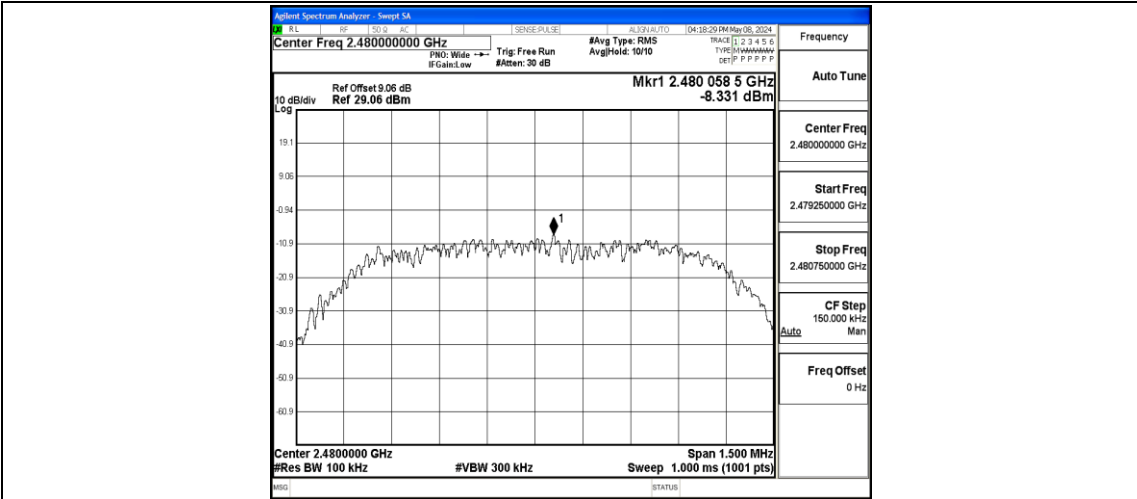
2DH5-Ant1-2441-0~Reference-PASS



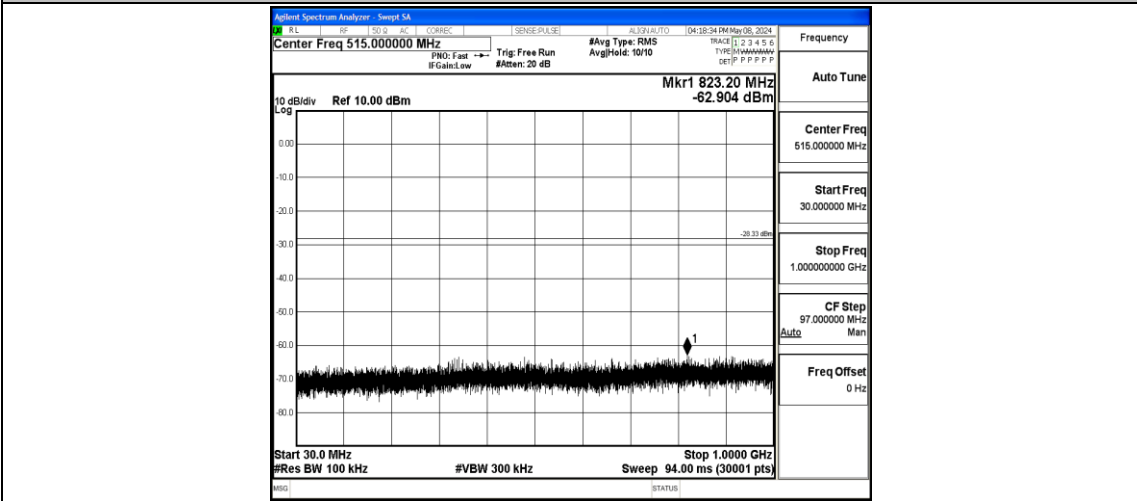
2DH5-Ant1-2441-30~1000-PASS



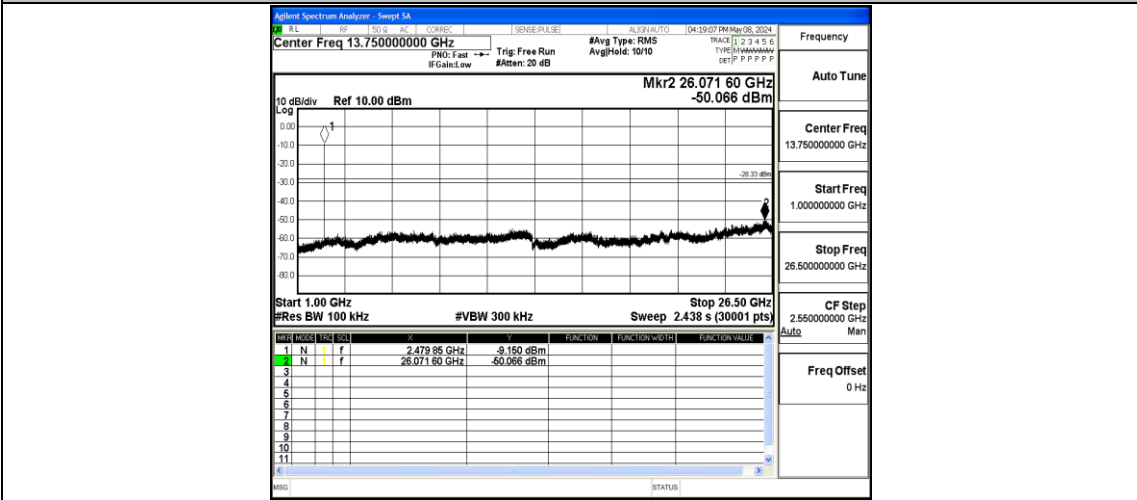
2DH5-Ant1-2441-1000~26500-PASS



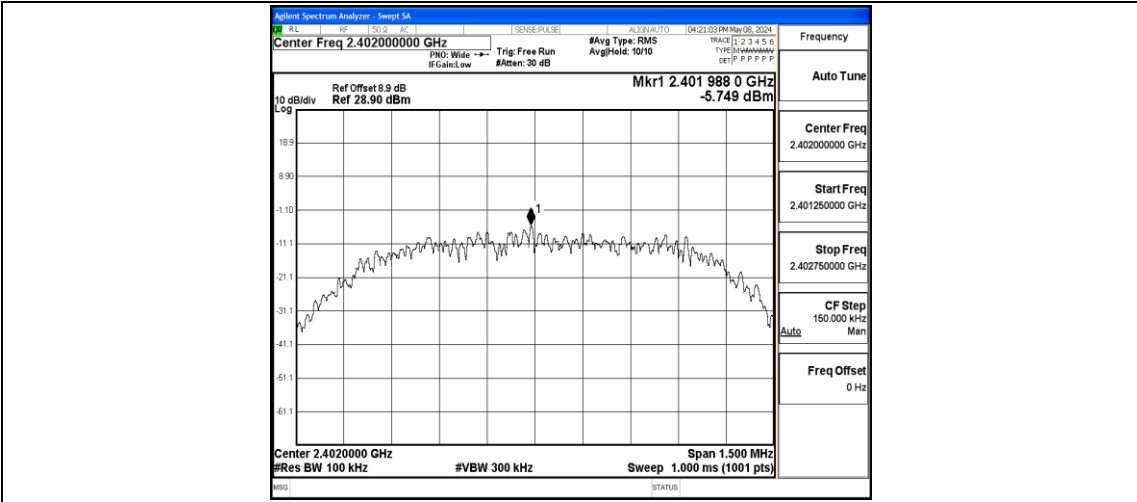
2DH5-Ant1-2480-0~Reference-PASS



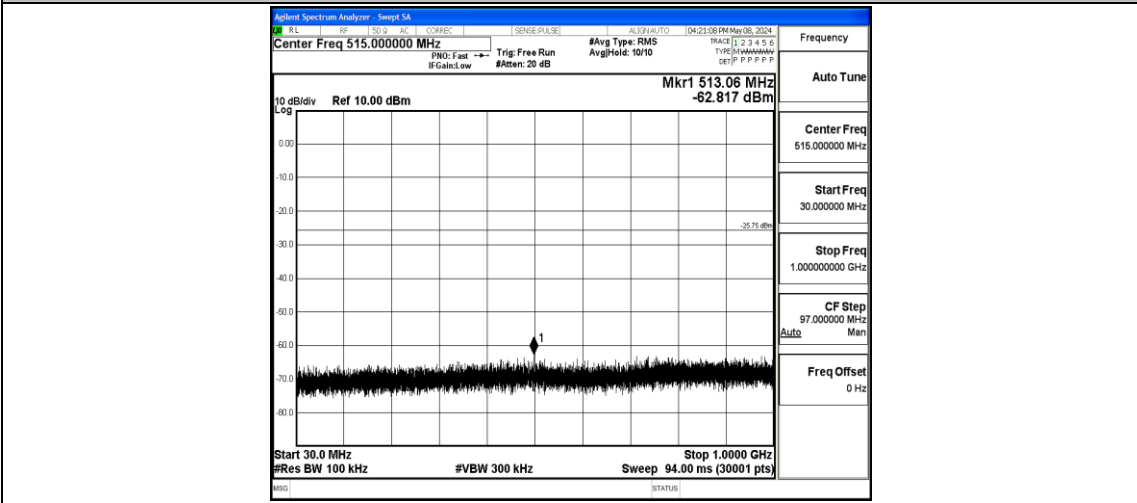
2DH5-Ant1-2480-30~1000-PASS



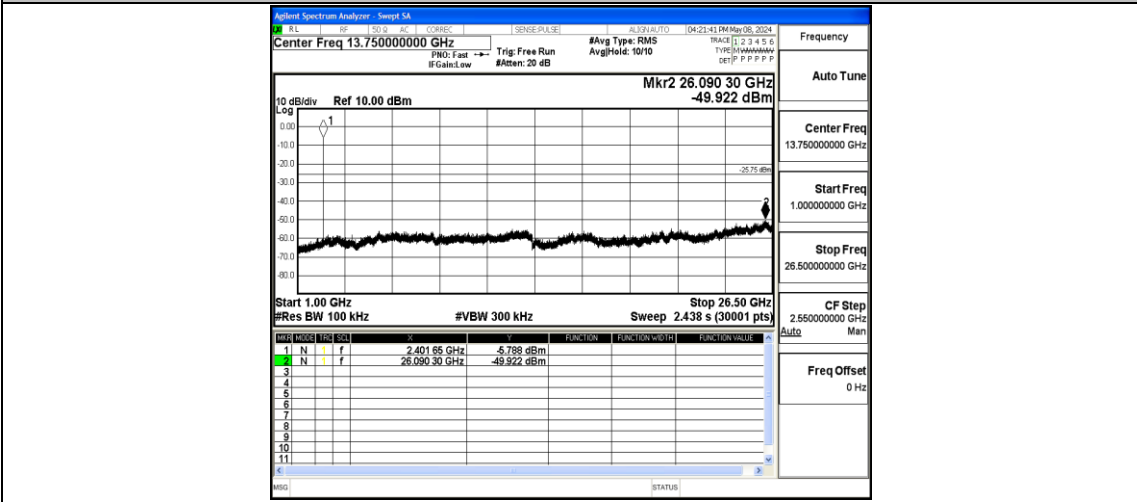
2DH5-Ant1-2480-1000~26500-PASS



3DH5-Ant1-2402-0~Reference-PASS



3DH5-Ant1-2402-30~1000-PASS



3DH5-Ant1-2402-1000~26500-PASS