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

Product Name: TGpor Air conduction Bluetooth headset

Trade Mark: N/A

Test Model: Tgpro

FCC ID: 2BF9J-TGPOR

Environmental Conditions

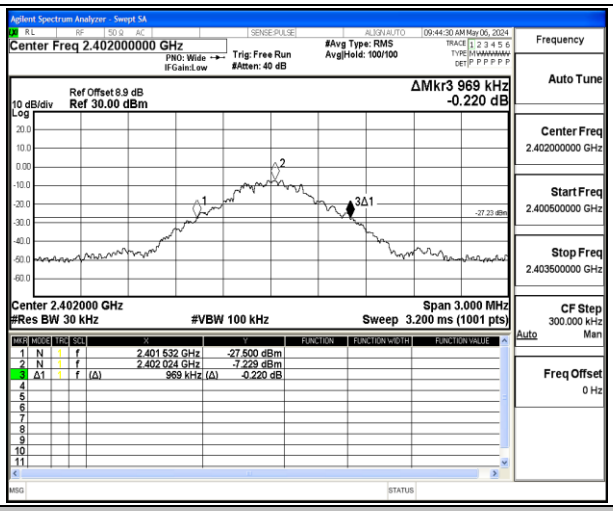
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

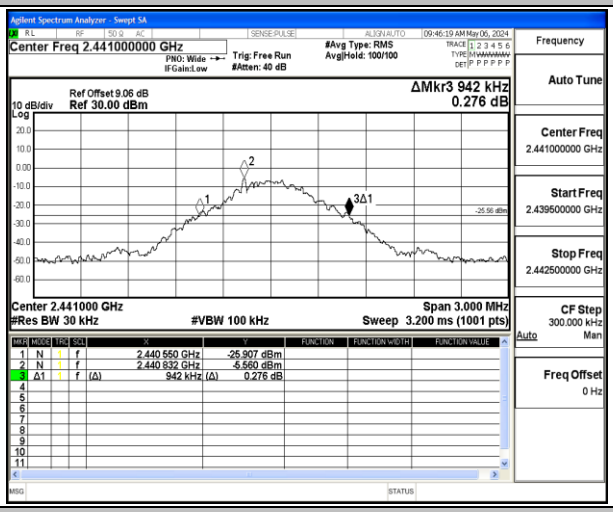
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.969	2401.532	2402.501	---	---
DH5	Ant1	2441	0.942	2440.550	2441.492	---	---
DH5	Ant1	2480	0.939	2479.547	2480.486	---	---
2DH5	Ant1	2402	1.341	2401.337	2402.678	---	---
2DH5	Ant1	2441	1.284	2440.376	2441.660	---	---
2DH5	Ant1	2480	1.278	2479.382	2480.660	---	---
3DH5	Ant1	2402	1.332	2401.334	2402.666	---	---
3DH5	Ant1	2441	1.278	2440.379	2441.657	---	---
3DH5	Ant1	2480	1.308	2479.355	2480.663	---	---

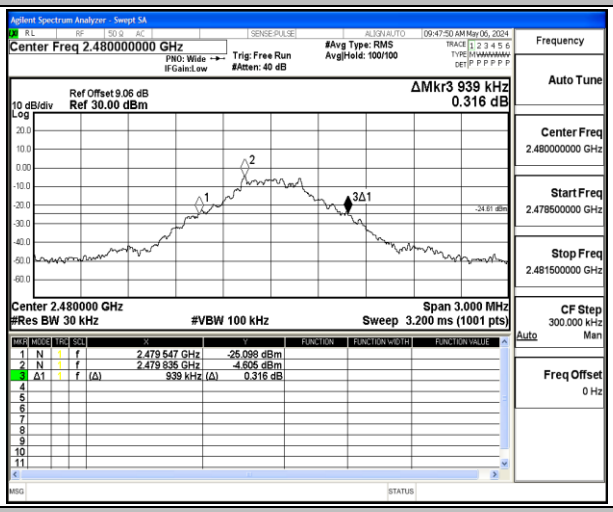
Test Graphs



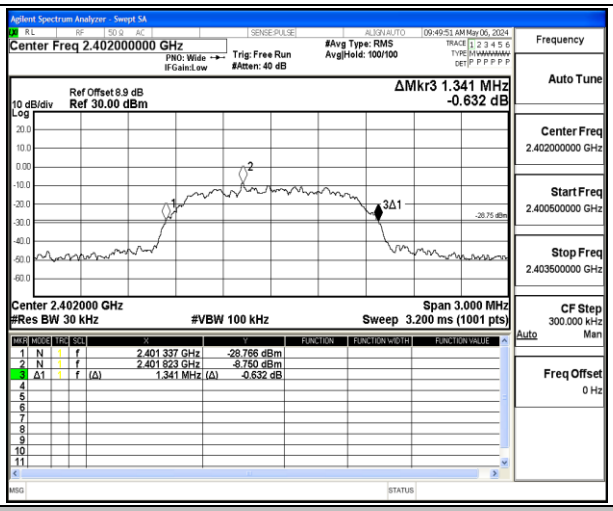
DH5-Ant1-2402



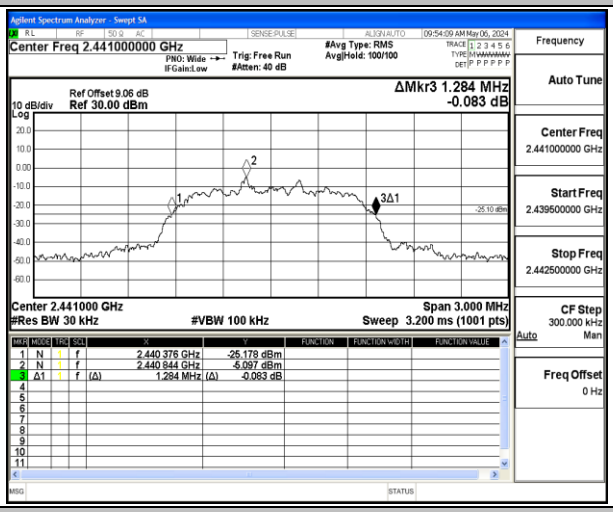
DH5-Ant1-2441



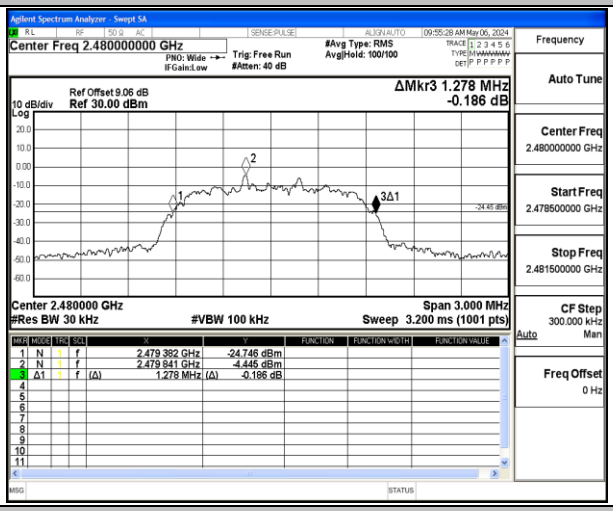
DH5-Ant1-2480



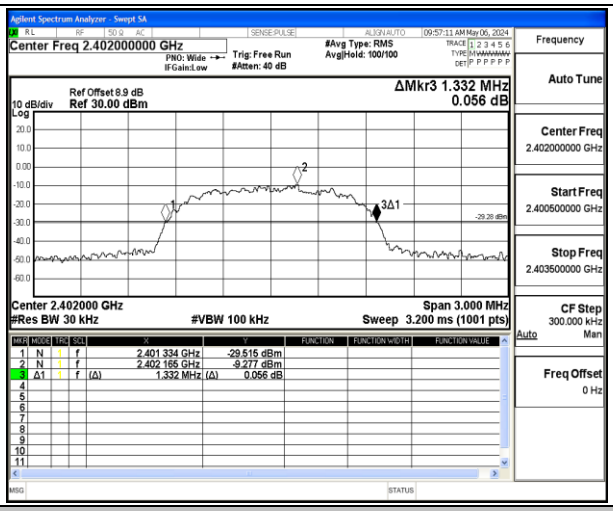
2DH5-Ant1-2402



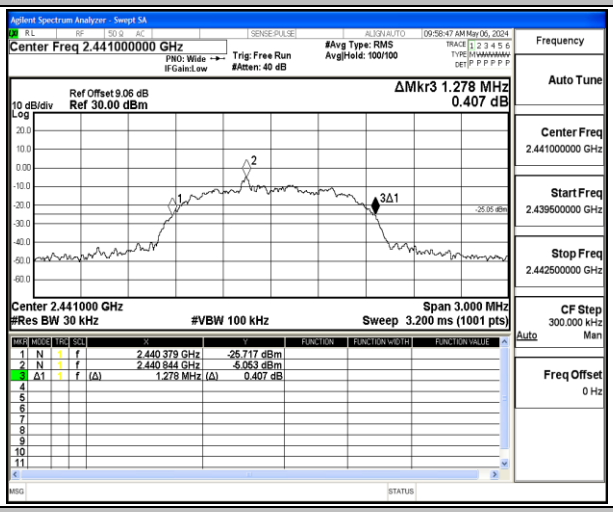
2DH5-Ant1-2441



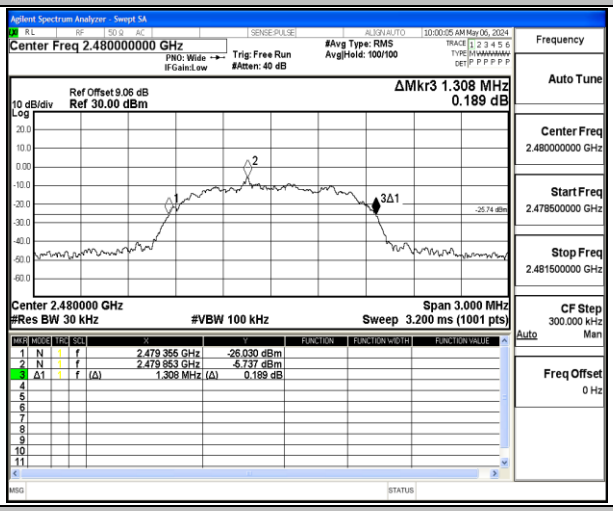
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



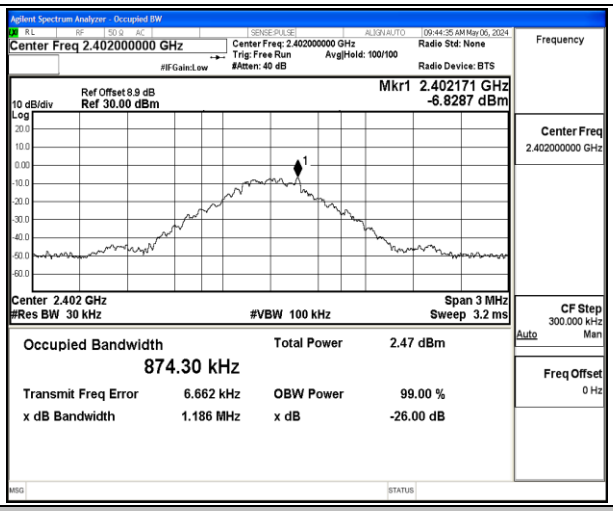
3DH5-Ant1-2480

Appendix B: Occupied Channel Bandwidth

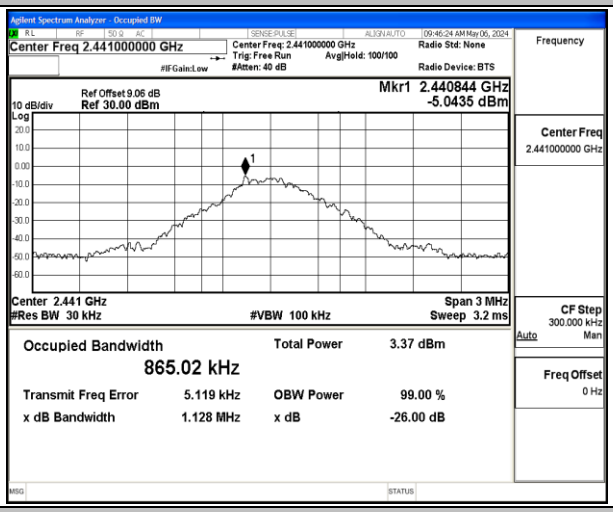
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87430	2401.5695	2402.4438	---	---
DH5	Ant1	2441	0.86502	2440.5726	2441.4376	---	---
DH5	Ant1	2480	0.87754	2479.5701	2480.4476	---	---
2DH5	Ant1	2402	1.1842	2401.4140	2402.5982	---	---
2DH5	Ant1	2441	1.1858	2440.4146	2441.6004	---	---
2DH5	Ant1	2480	1.1831	2479.4149	2480.5980	---	---
3DH5	Ant1	2402	1.1803	2401.4153	2402.5956	---	---
3DH5	Ant1	2441	1.1768	2440.4173	2441.5941	---	---
3DH5	Ant1	2480	1.1865	2479.4118	2480.5983	---	---

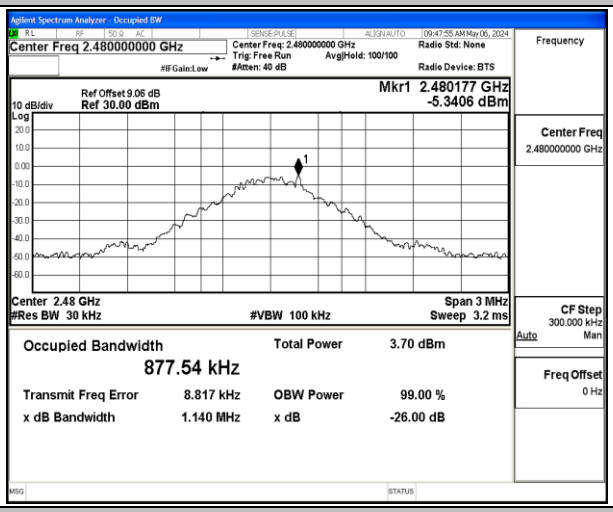
Test Graphs



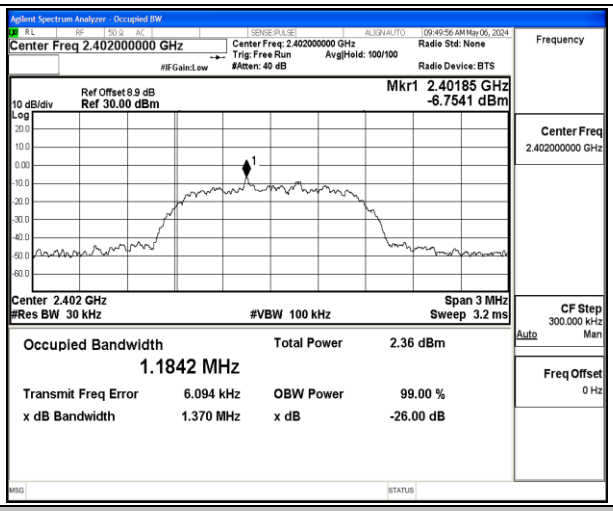
DH5-Ant1-2402



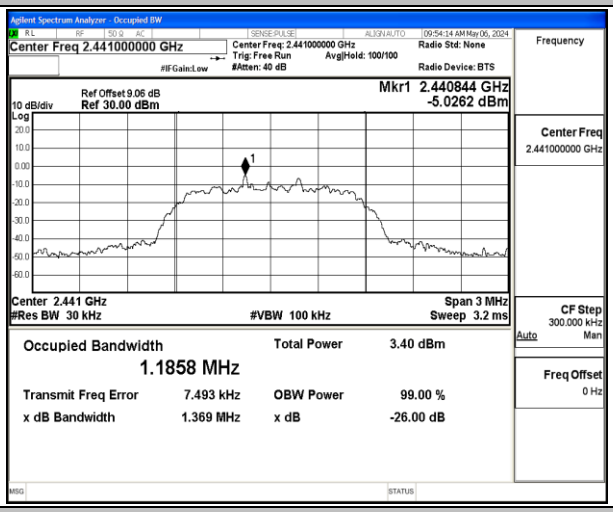
DH5-Ant1-2441



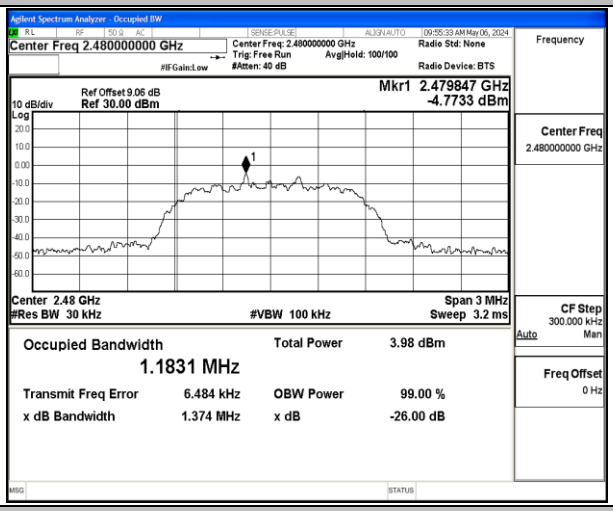
DH5-Ant1-2480



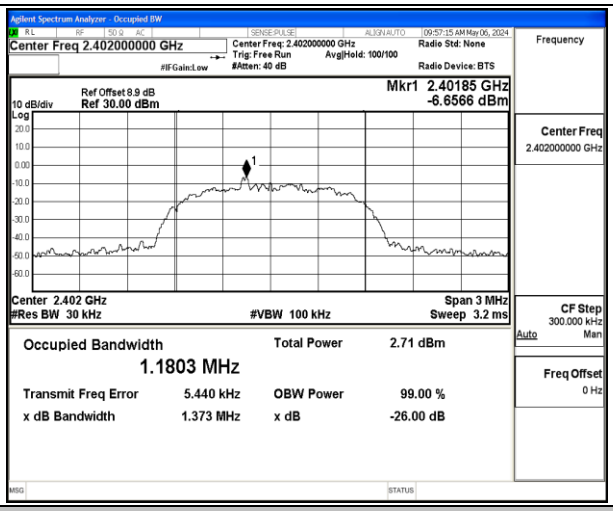
2DH5-Ant1-2402



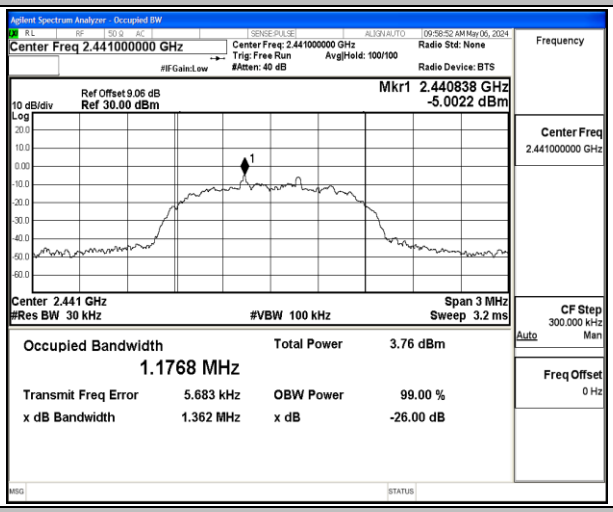
2DH5-Ant1-2441



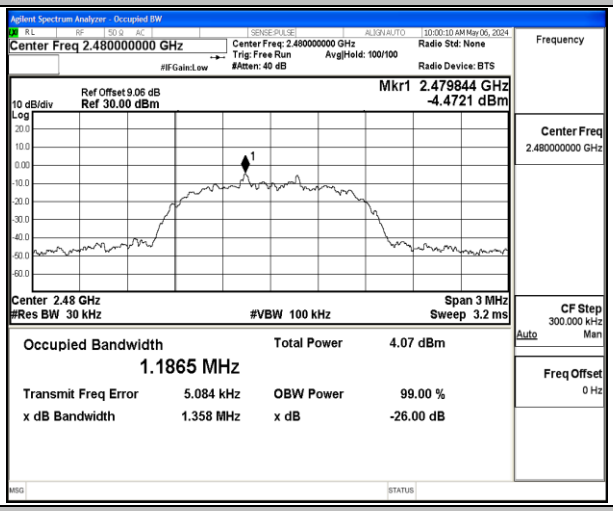
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



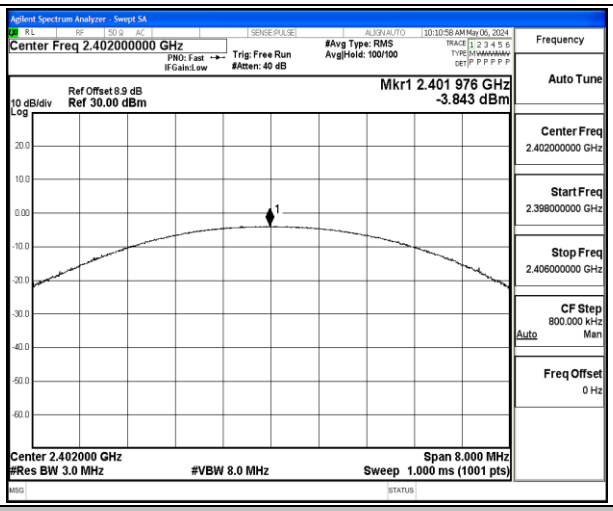
3DH5-Ant1-2480

Appendix C: Maximum peak conducted output power

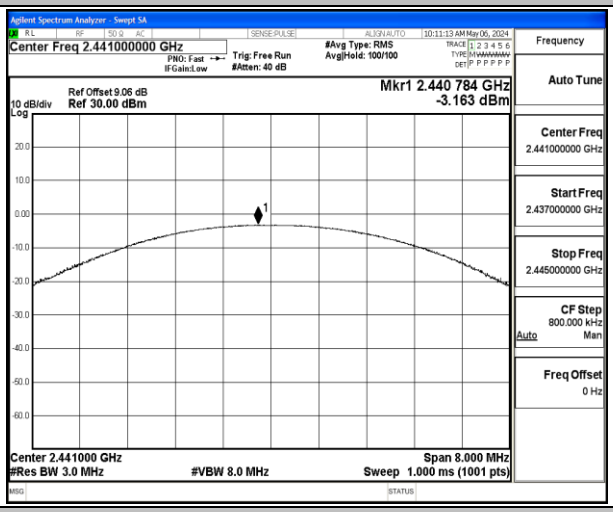
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.84	≤20.97	PASS
DH5	Ant1	2441	-3.16	≤20.97	PASS
DH5	Ant1	2480	-2.63	≤20.97	PASS
2DH5	Ant1	2402	-1.91	≤20.97	PASS
2DH5	Ant1	2441	-1.18	≤20.97	PASS
2DH5	Ant1	2480	-0.69	≤20.97	PASS
3DH5	Ant1	2402	-1.47	≤20.97	PASS
3DH5	Ant1	2441	-0.68	≤20.97	PASS
3DH5	Ant1	2480	-0.11	≤20.97	PASS

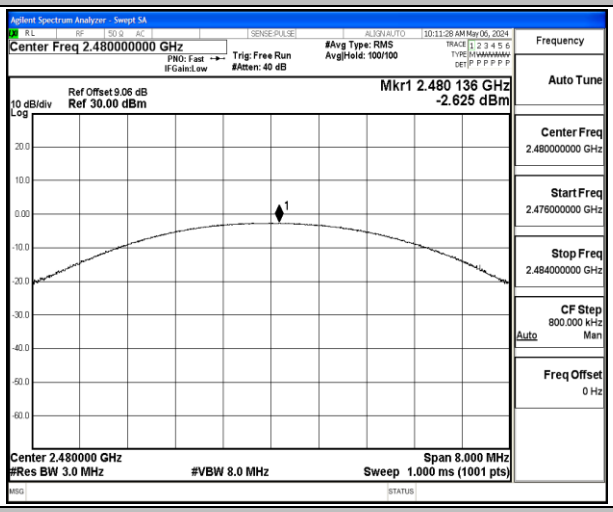
Test Graphs



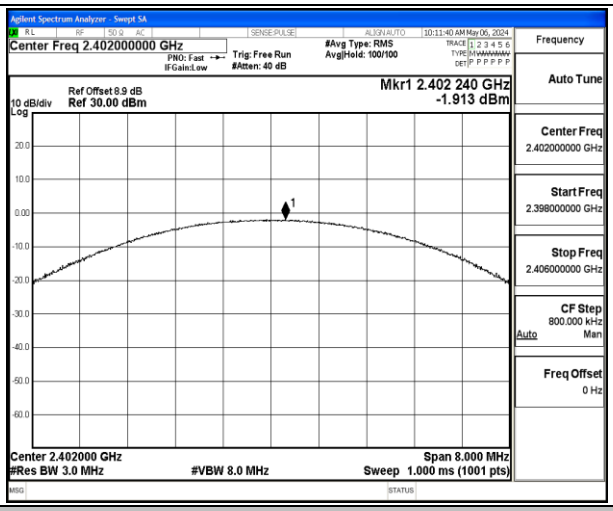
DH5-Ant1-2402-PASS



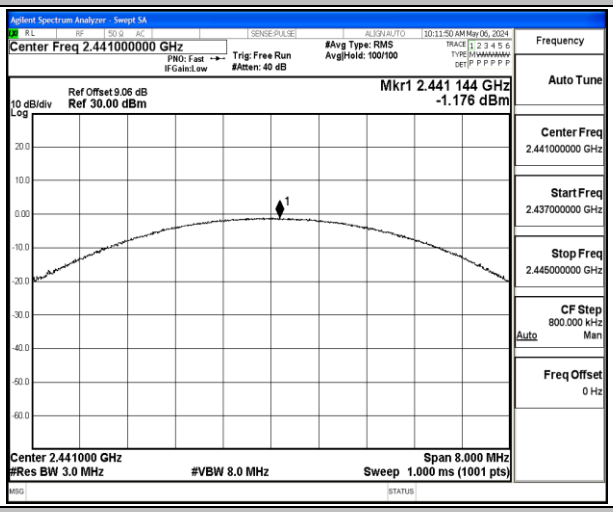
DH5-Ant1-2441-PASS



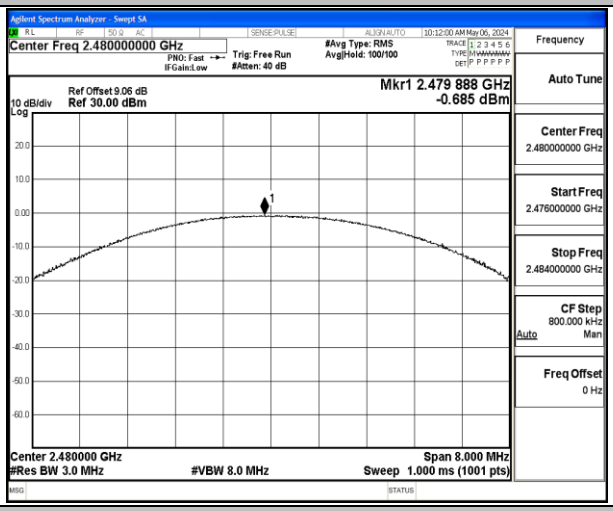
DH5-Ant1-2480-PASS



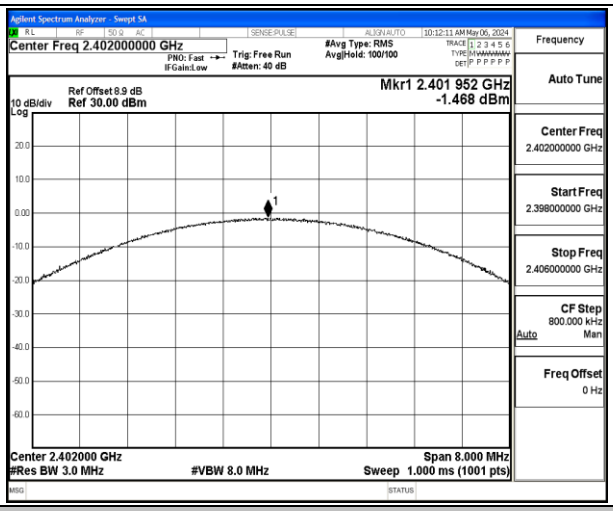
2DH5-Ant1-2402-PASS



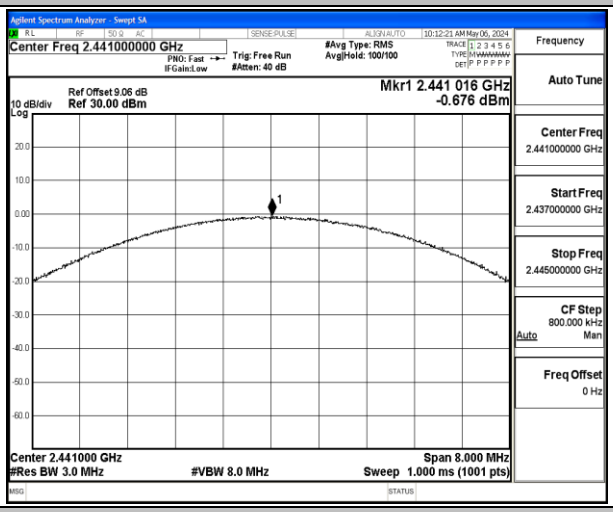
2DH5-Ant1-2441-PASS



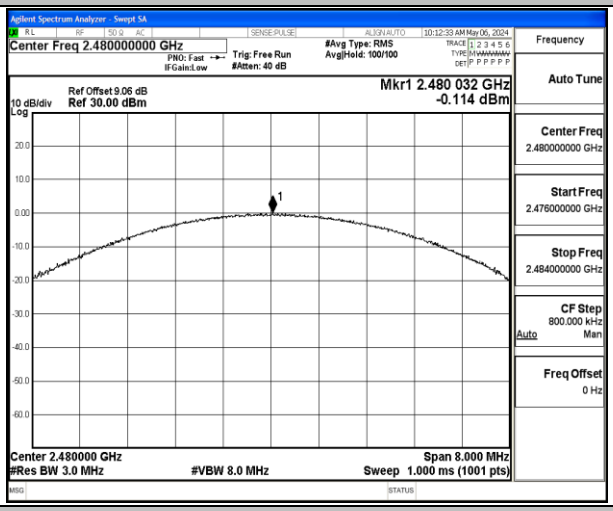
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



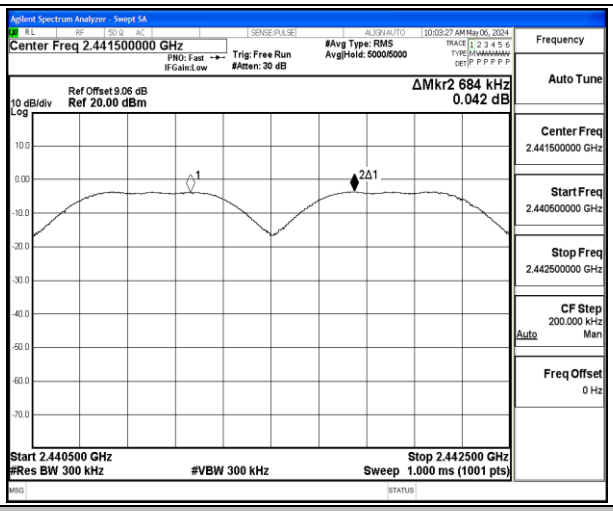
3DH5-Ant1-2480-PASS

Appendix D: Carrier frequency separation

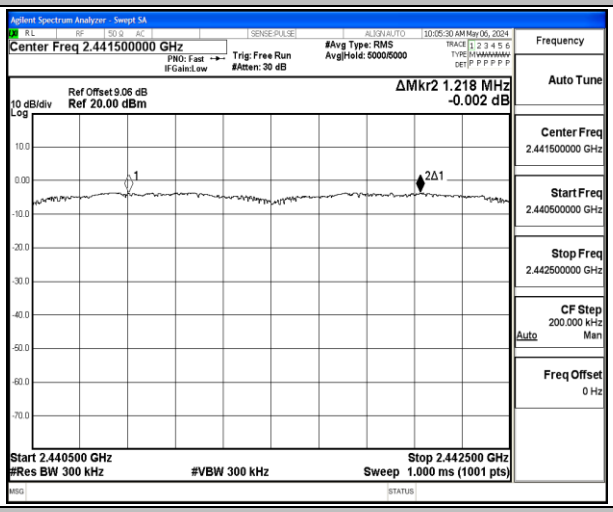
Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.684	≥0.646	PASS
2DH5	Ant1	Hop	1.218	≥0.894	PASS
3DH5	Ant1	Hop	1.016	≥0.888	PASS

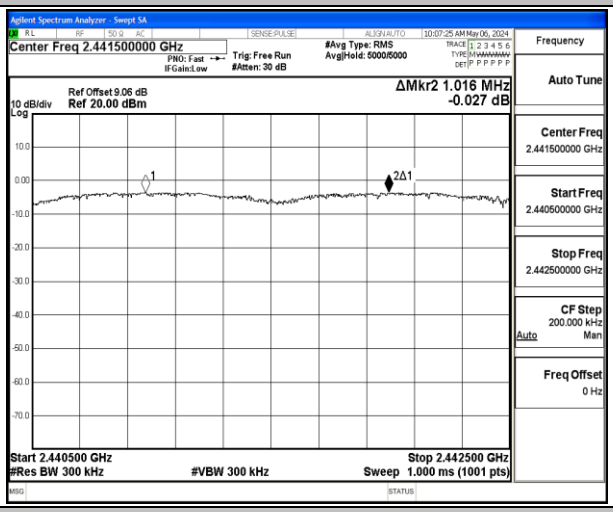
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



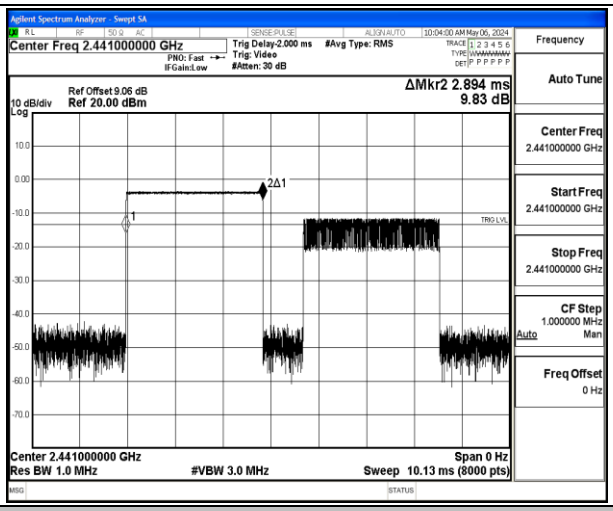
3DH5-Ant1-Hop-PASS

Appendix E: Time of occupancy

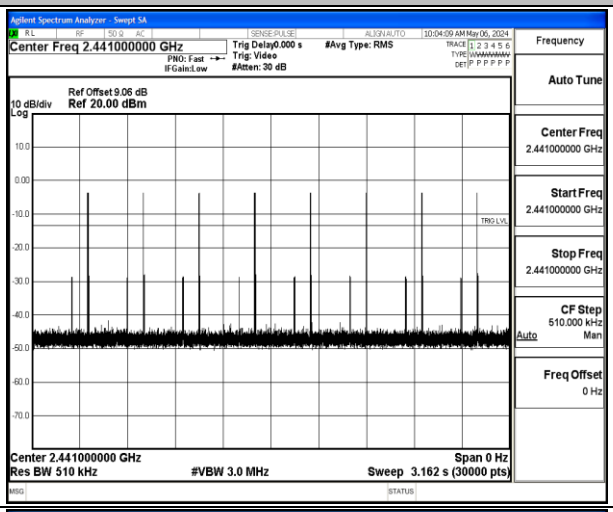
Test Result

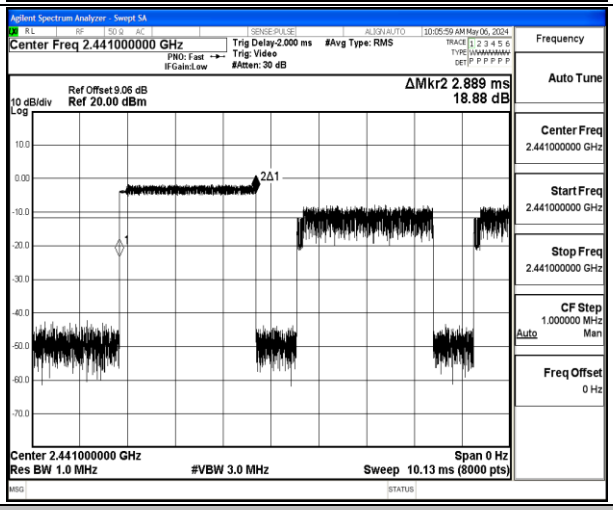
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.894	110	0.318	≤0.4	PASS
2DH5	Ant1	Hop	2.889	100	0.289	≤0.4	PASS
3DH5	Ant1	Hop	2.891	100	0.289	≤0.4	PASS

Test Graphs

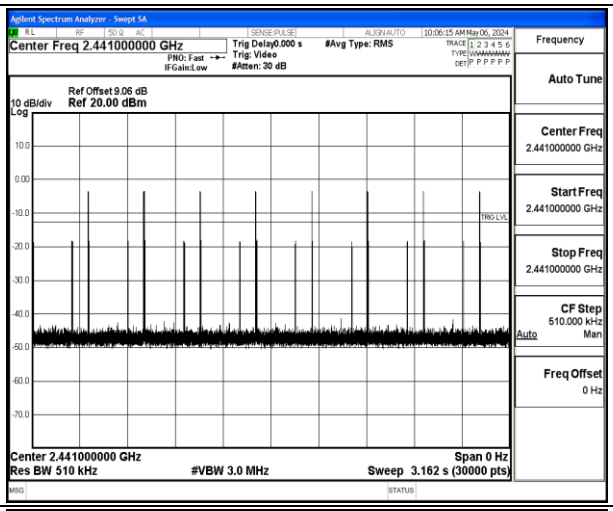


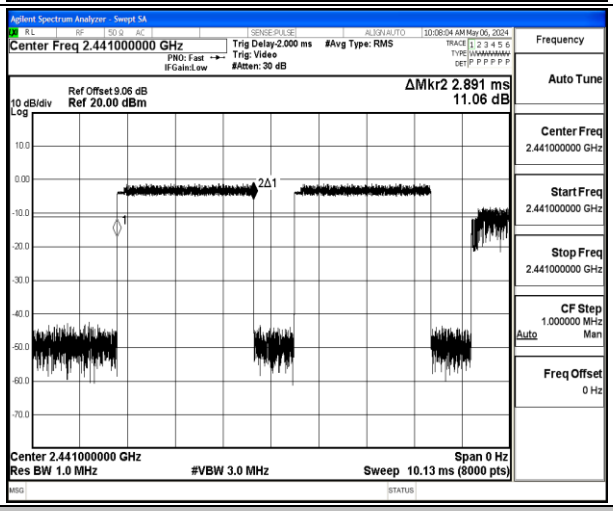
DH5-Ant1-Hop-PASS



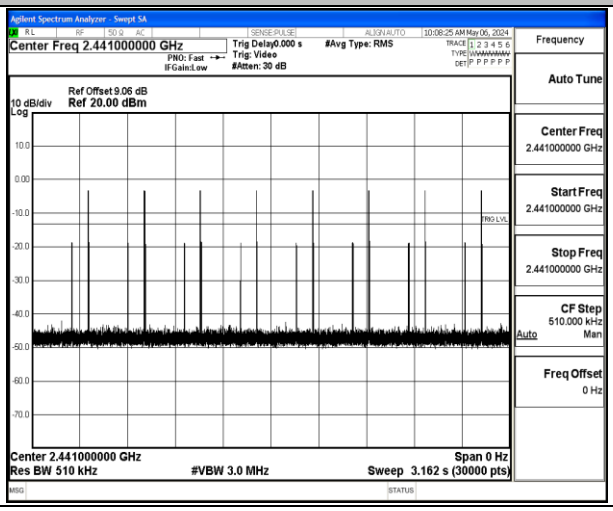


2DH5-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS

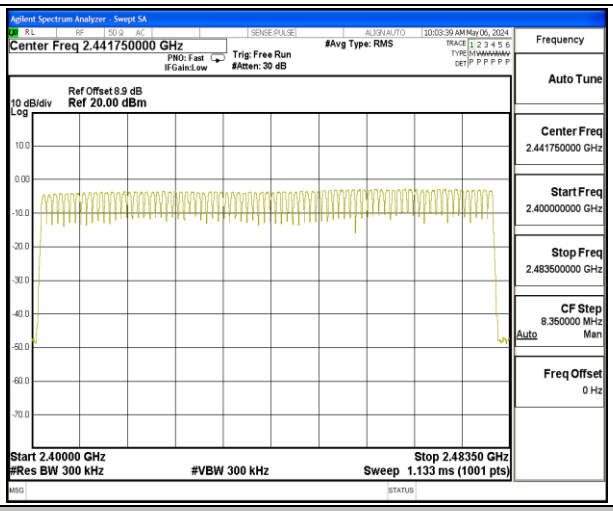


Appendix F: Number of hopping channels

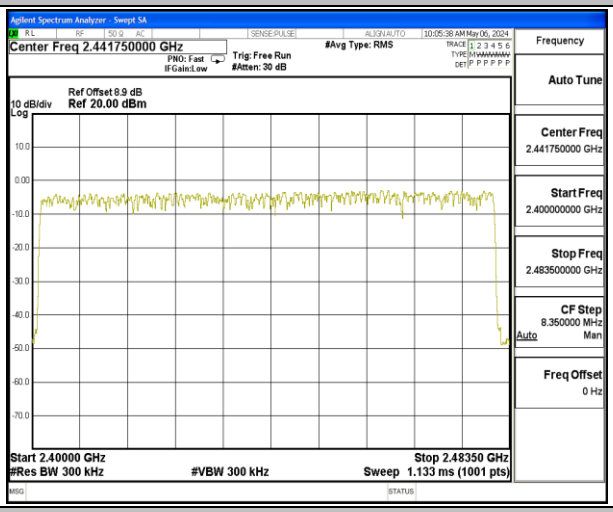
Test Result

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

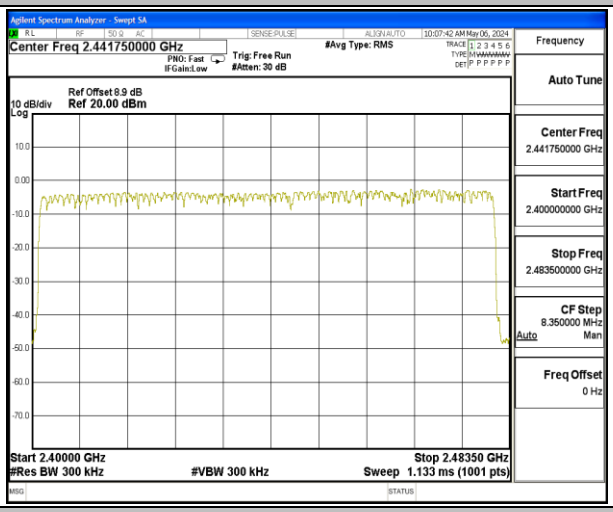
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



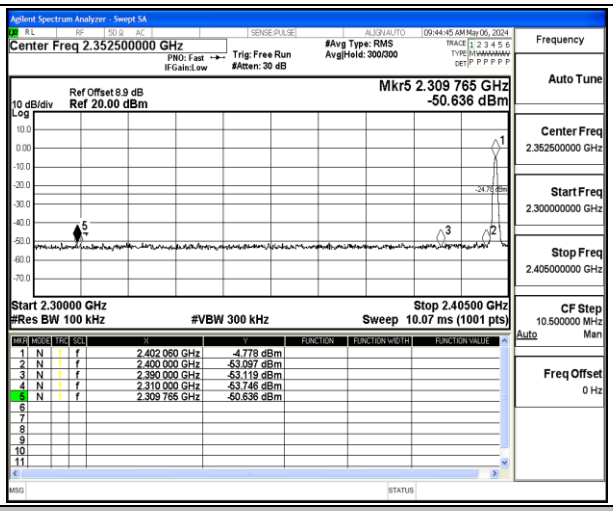
3DH5-Ant1-Hop-PASS

Appendix G: Band edge measurements

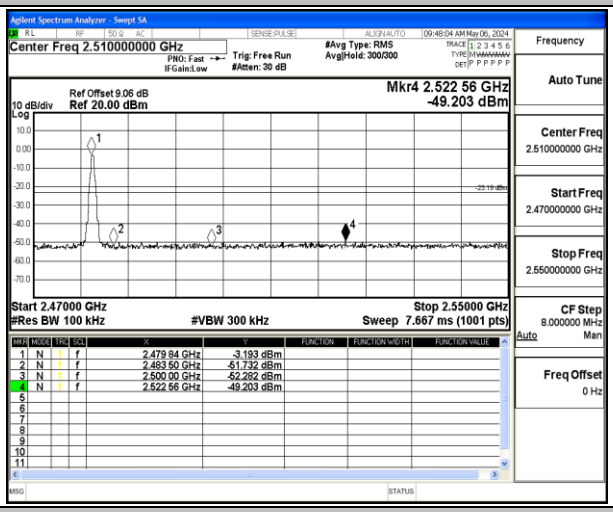
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.78	-50.64	≤-24.78	PASS
DH5	Ant1	High	2480	-3.19	-49.2	≤-23.19	PASS
DH5	Ant1	Low	Hop_2402	-5.31	-50.42	≤-25.31	PASS
DH5	Ant1	High	Hop_2480	-3.27	-49.56	≤-23.27	PASS
2DH5	Ant1	Low	2402	-4.92	-50.12	≤-24.92	PASS
2DH5	Ant1	High	2480	-3.25	-49.42	≤-23.25	PASS
2DH5	Ant1	Low	Hop_2402	-7.23	-49.98	≤-27.23	PASS
2DH5	Ant1	High	Hop_2480	-3.14	-48.77	≤-23.14	PASS
3DH5	Ant1	Low	2402	-4.59	-50.36	≤-24.59	PASS
3DH5	Ant1	High	2480	-3.25	-49.2	≤-23.25	PASS
3DH5	Ant1	Low	Hop_2402	-7.57	-50.9	≤-27.57	PASS
3DH5	Ant1	High	Hop_2480	-5.16	-49.56	≤-25.16	PASS

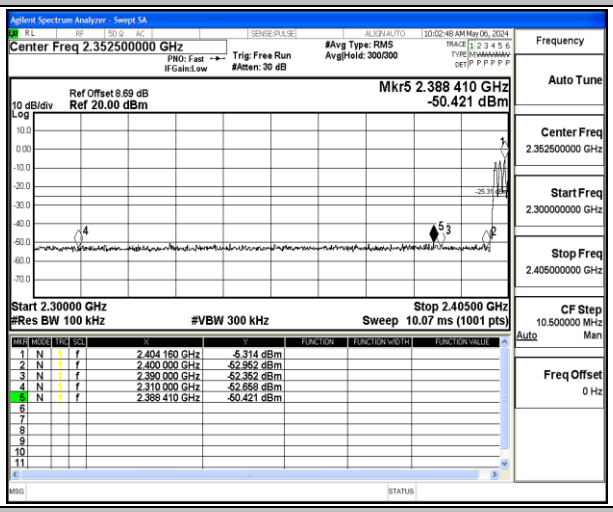
Test Graphs



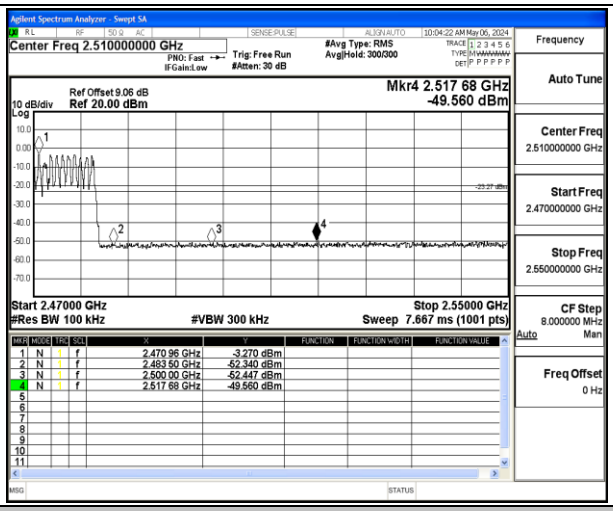
DH5-Ant1-2402-PASS



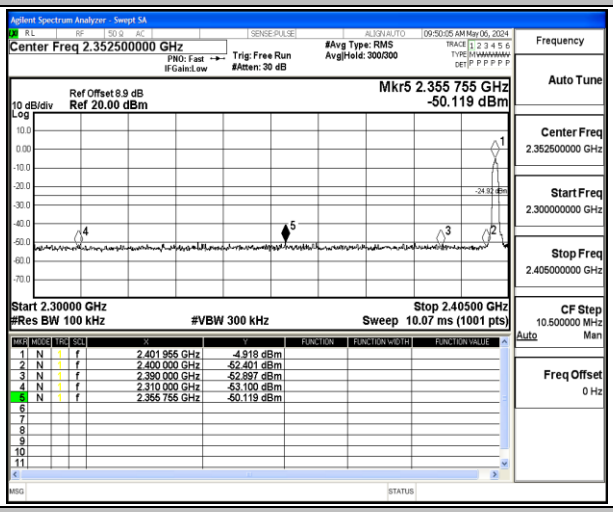
DH5-Ant1-2480-PASS



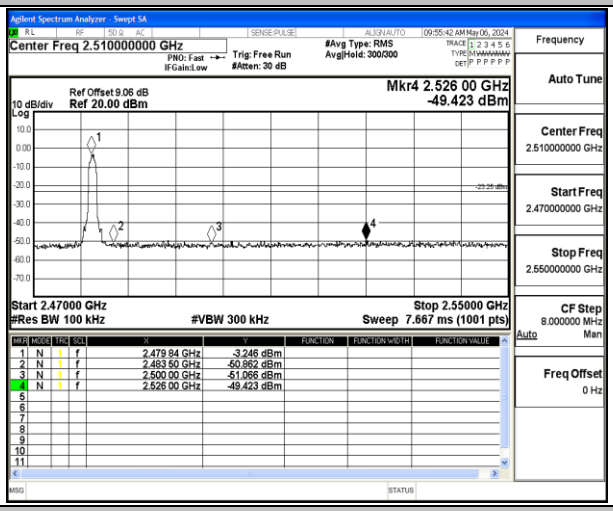
DH5-Ant1-Hop_2402-PASS



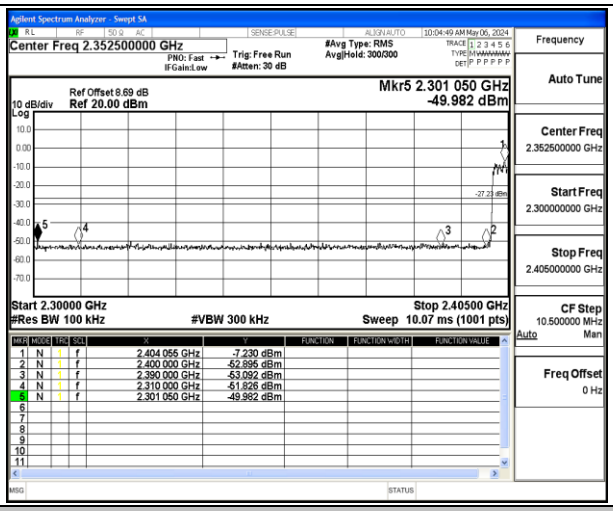
DH5-Ant1-Hop_2480-PASS



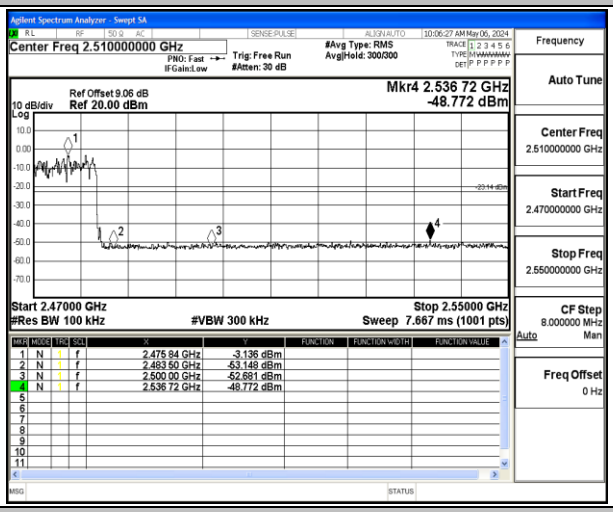
2DH5-Ant1-2402-PASS



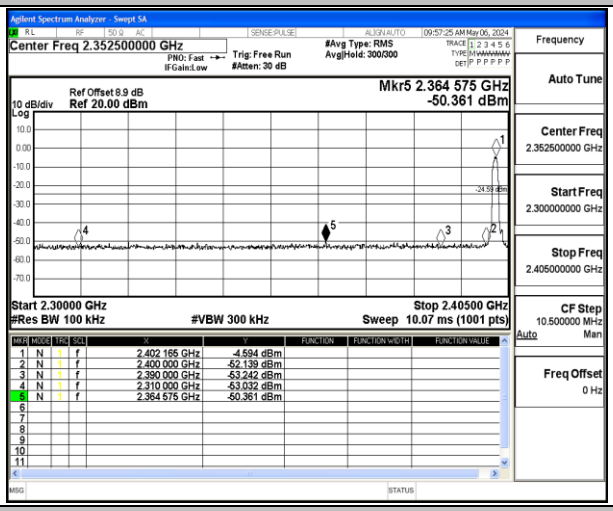
2DH5-Ant1-2480-PASS



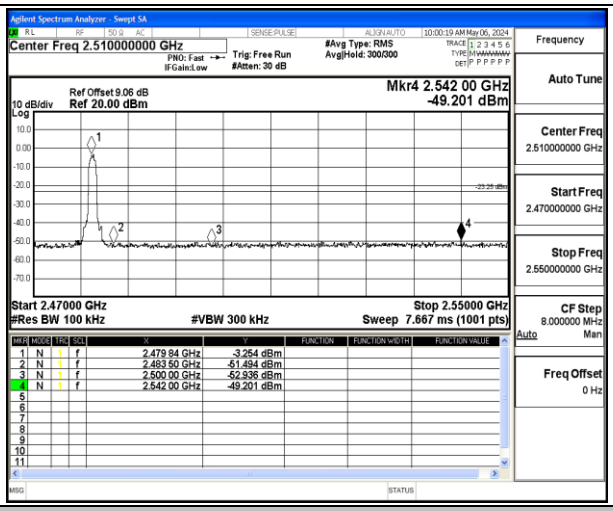
2DH5-Ant1-Hop_2402-PASS



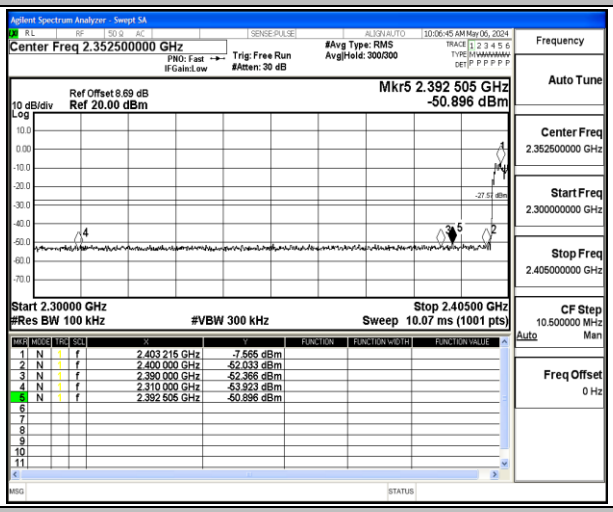
2DH5-Ant1-Hop_2480-PASS



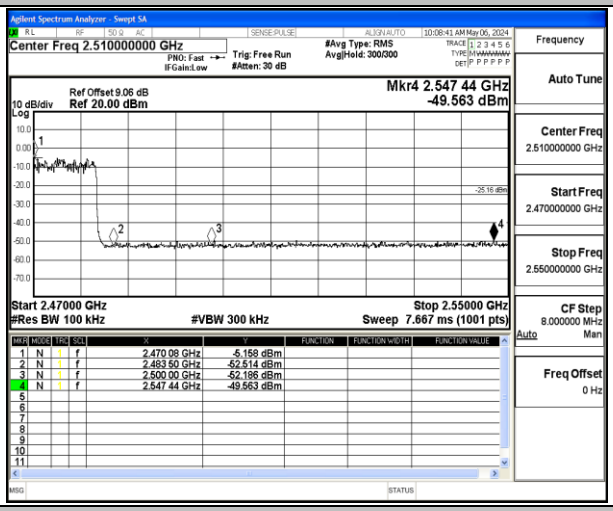
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



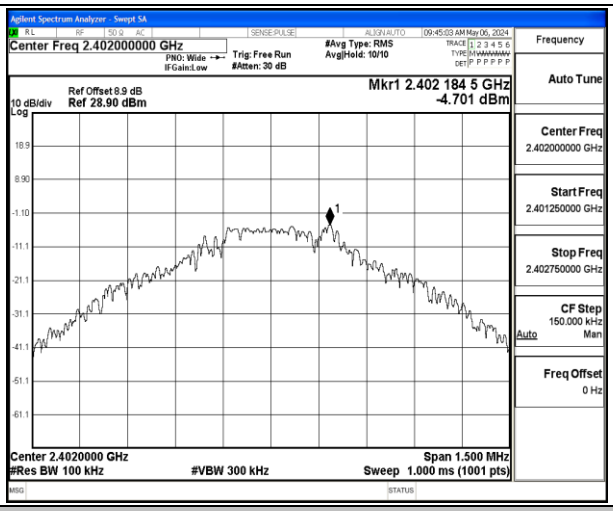
3DH5-Ant1-Hop_2480-PASS

Appendix H: Conducted Spurious Emission

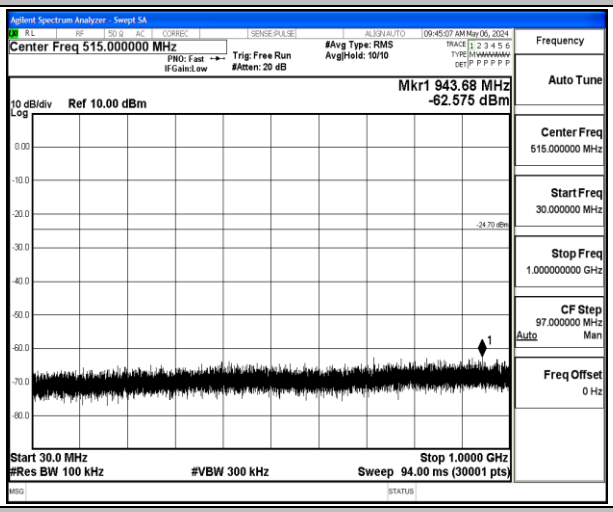
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-4.70	-4.70	---	PASS
DH5	Ant1	2402	30~1000	-4.70	-62.58	≤-24.7	PASS
DH5	Ant1	2402	1000~26500	-4.70	-40.73	≤-24.7	PASS
DH5	Ant1	2441	0~Reference	-4.52	-4.52	---	PASS
DH5	Ant1	2441	30~1000	-4.52	-63.36	≤-24.52	PASS
DH5	Ant1	2441	1000~26500	-4.52	-40.21	≤-24.52	PASS
DH5	Ant1	2480	0~Reference	-4.05	-4.05	---	PASS
DH5	Ant1	2480	30~1000	-4.05	-62.84	≤-24.05	PASS
DH5	Ant1	2480	1000~26500	-4.05	-41.06	≤-24.05	PASS
2DH5	Ant1	2402	0~Reference	-6.01	-6.01	---	PASS
2DH5	Ant1	2402	30~1000	-6.01	-62.02	≤-26.01	PASS
2DH5	Ant1	2402	1000~26500	-6.01	-40.76	≤-26.01	PASS
2DH5	Ant1	2441	0~Reference	-4.08	-4.08	---	PASS
2DH5	Ant1	2441	30~1000	-4.08	-62.75	≤-24.08	PASS
2DH5	Ant1	2441	1000~26500	-4.08	-39.9	≤-24.08	PASS
2DH5	Ant1	2480	0~Reference	-3.91	-3.91	---	PASS
2DH5	Ant1	2480	30~1000	-3.91	-62.98	≤-23.91	PASS
2DH5	Ant1	2480	1000~26500	-3.91	-40.98	≤-23.91	PASS
3DH5	Ant1	2402	0~Reference	-6.54	-6.54	---	PASS
3DH5	Ant1	2402	30~1000	-6.54	-62.11	≤-26.54	PASS
3DH5	Ant1	2402	1000~26500	-6.54	-40.68	≤-26.54	PASS
3DH5	Ant1	2441	0~Reference	-4.52	-4.52	---	PASS
3DH5	Ant1	2441	30~1000	-4.52	-62.12	≤-24.52	PASS
3DH5	Ant1	2441	1000~26500	-4.52	-39.9	≤-24.52	PASS
3DH5	Ant1	2480	0~Reference	-4.04	-4.04	---	PASS
3DH5	Ant1	2480	30~1000	-4.04	-63.16	≤-24.04	PASS
3DH5	Ant1	2480	1000~26500	-4.04	-40.65	≤-24.04	PASS

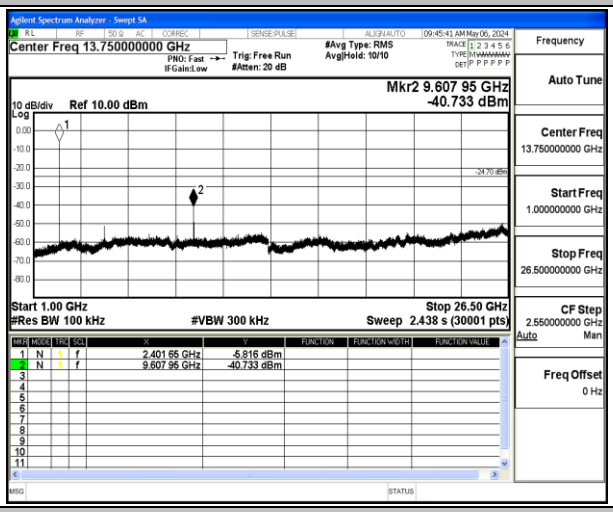
Test Graphs



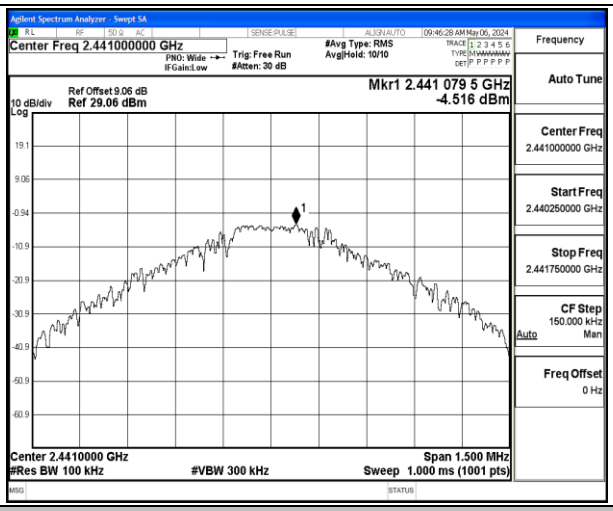
DH5-Ant1-2402-0~Reference-PASS



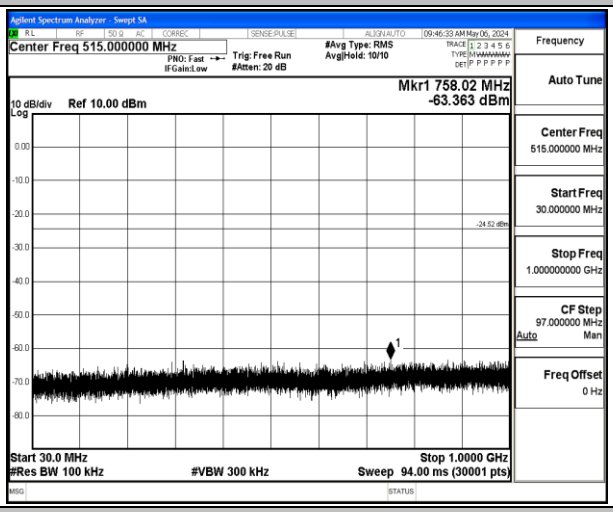
DH5-Ant1-2402-30~1000-PASS



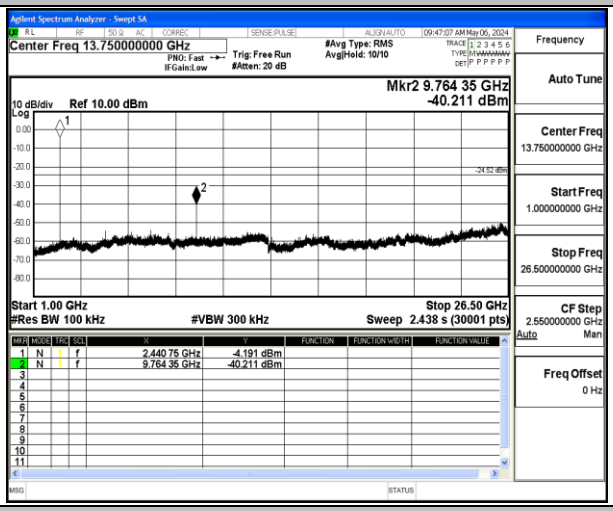
DH5-Ant1-2402-1000~26500-PASS



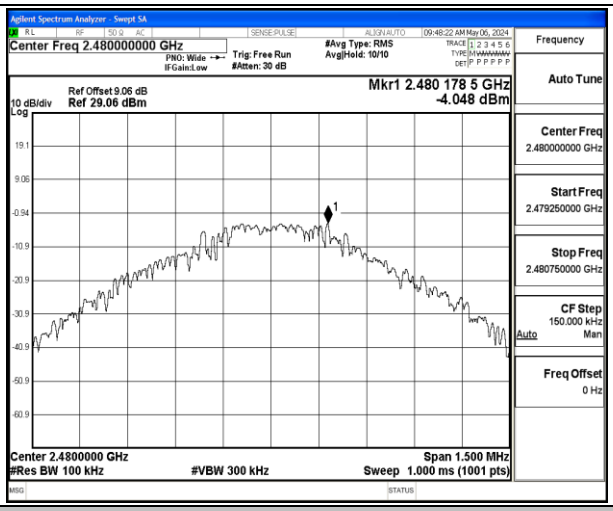
DH5-Ant1-2441-0~Reference-PASS



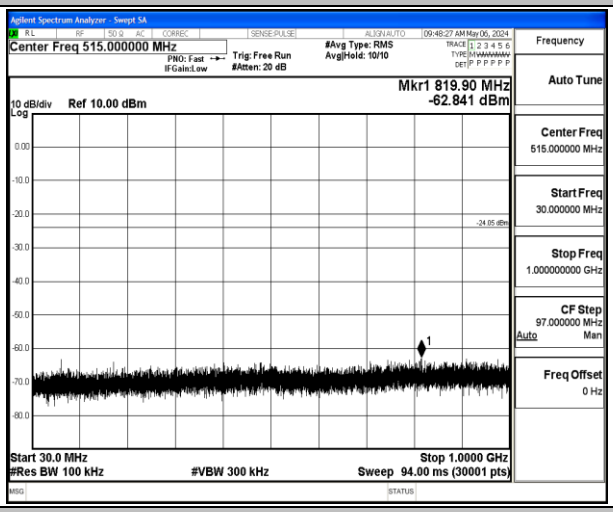
DH5-Ant1-2441-30~1000-PASS



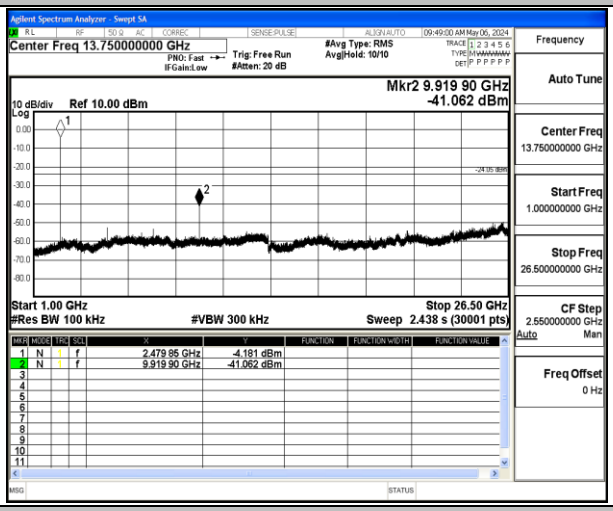
DH5-Ant1-2441-1000~26500-PASS



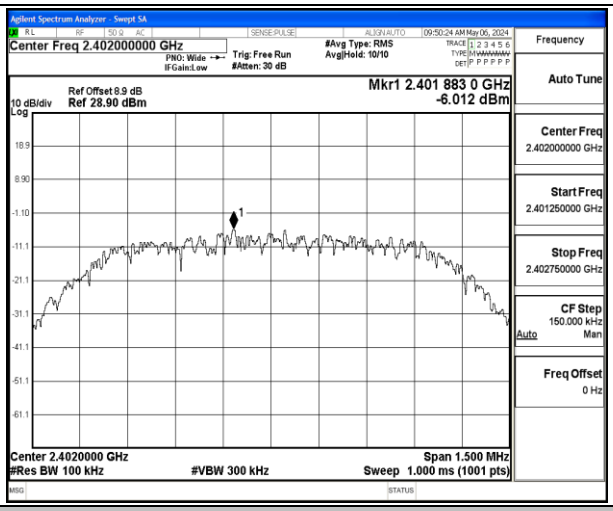
DH5-Ant1-2480-0~Reference-PASS



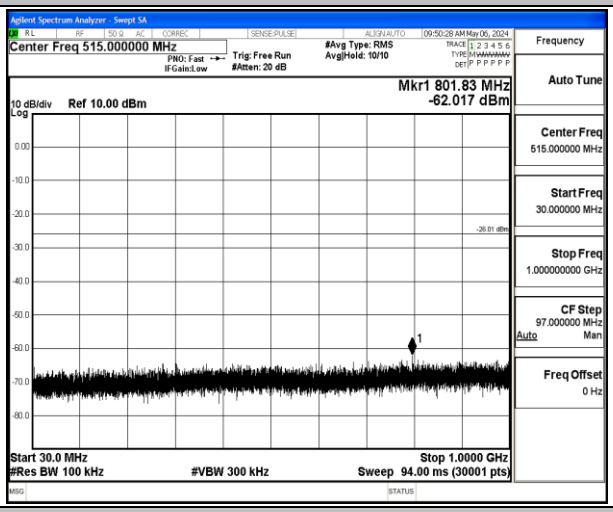
DH5-Ant1-2480-30~1000-PASS



DH5-Ant1-2480-1000~26500-PASS



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



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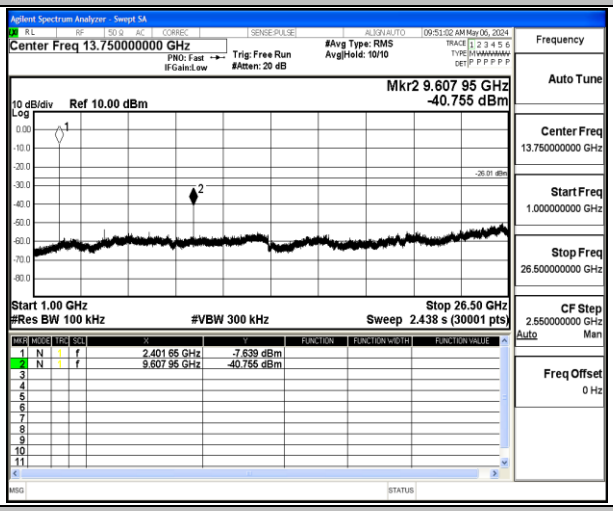
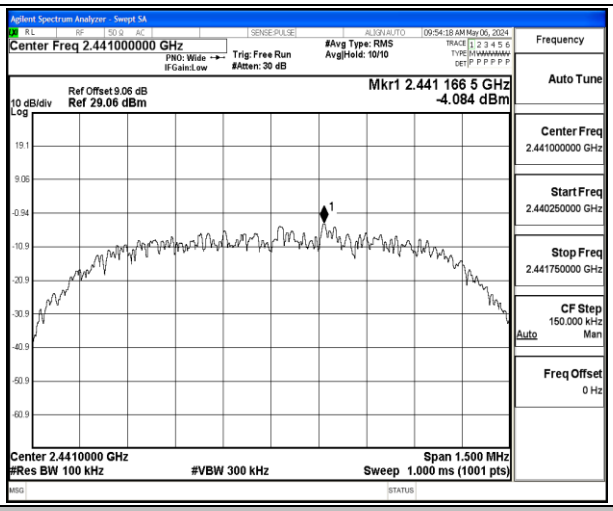
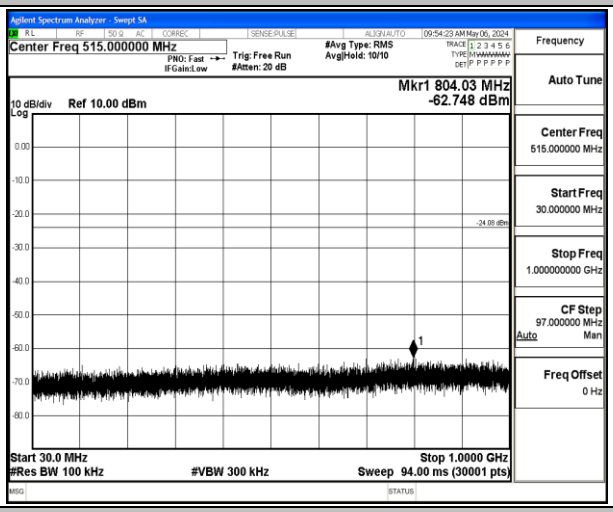


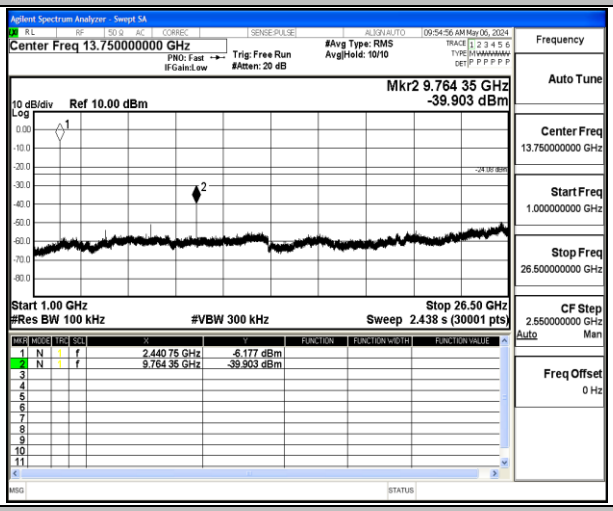
2DH5-Ant1-2402-1000~26500-PASS



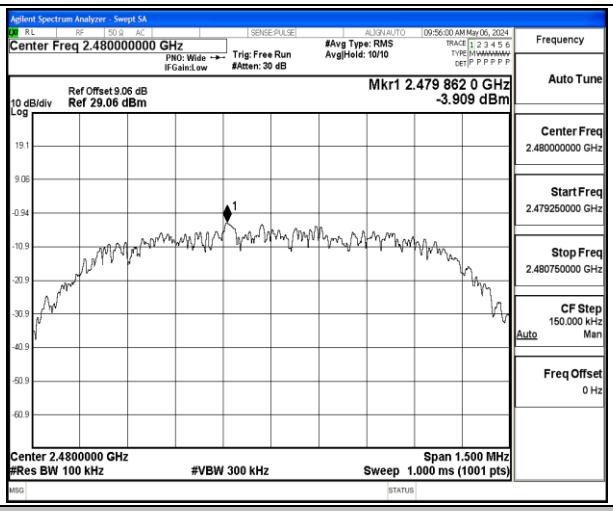
2DH5-Ant1-2441-0~Reference-PASS



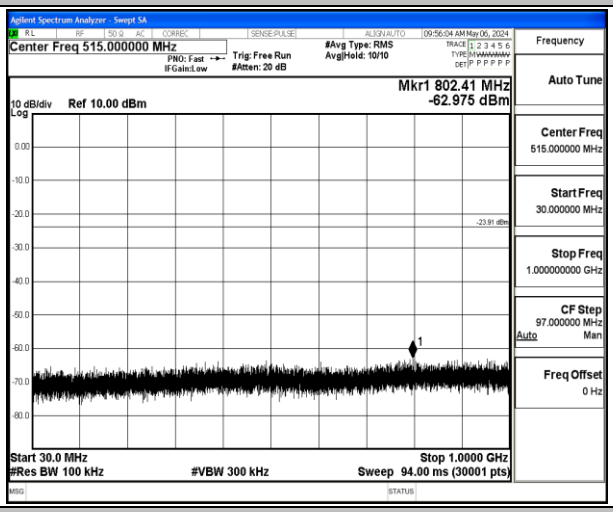
2DH5-Ant1-2441-30~1000-PASS



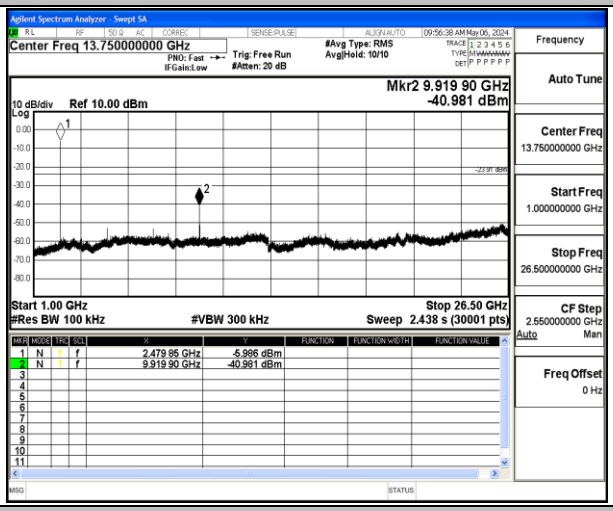
2DH5-Ant1-2441-1000~26500-PASS



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



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



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