

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

Product Name: TWS Bluetooth headset

Trade Mark: N/A

Test Model: GT-46

FCC ID: 2BFD9-GT46

Environmental Conditions

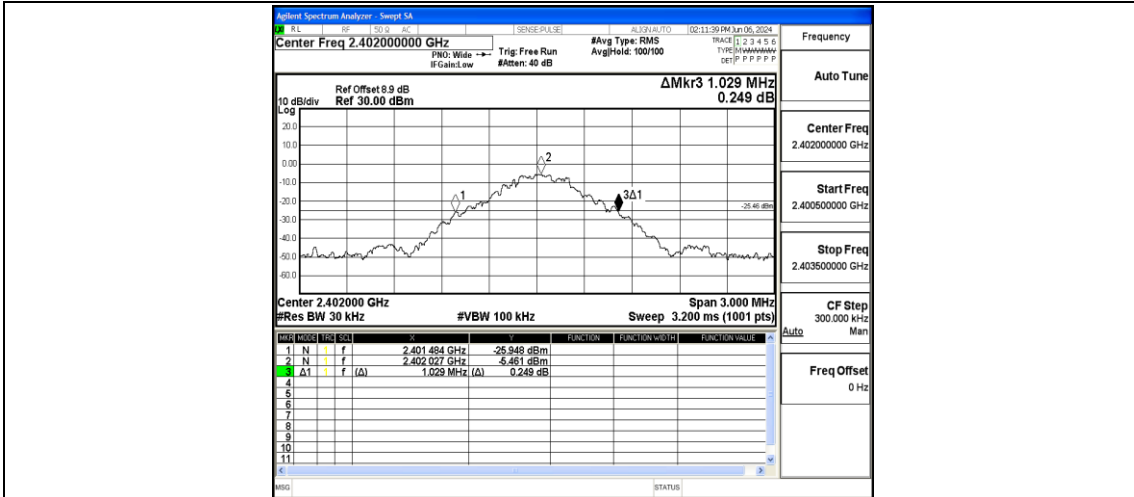
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

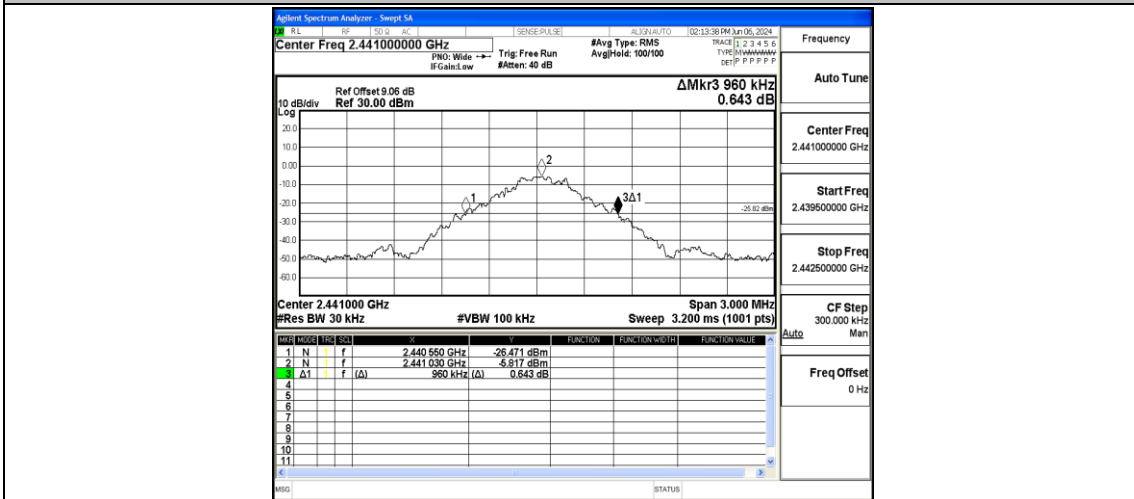
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.029	2401.484	2402.513	---	---
DH5	Ant1	2441	0.960	2440.550	2441.510	---	---
DH5	Ant1	2480	0.960	2479.550	2480.510	---	---
2DH5	Ant1	2402	1.311	2401.358	2402.669	---	---
2DH5	Ant1	2441	1.314	2440.355	2441.669	---	---
2DH5	Ant1	2480	1.314	2479.358	2480.672	---	---
3DH5	Ant1	2402	1.320	2401.358	2402.678	---	---
3DH5	Ant1	2441	1.290	2440.367	2441.657	---	---
3DH5	Ant1	2480	1.299	2479.364	2480.663	---	---

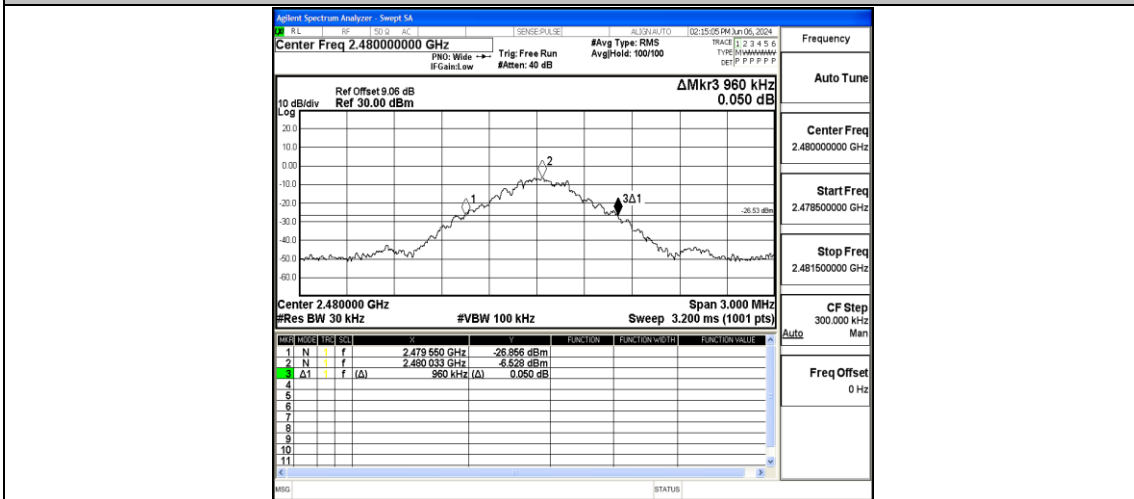
Test Graphs



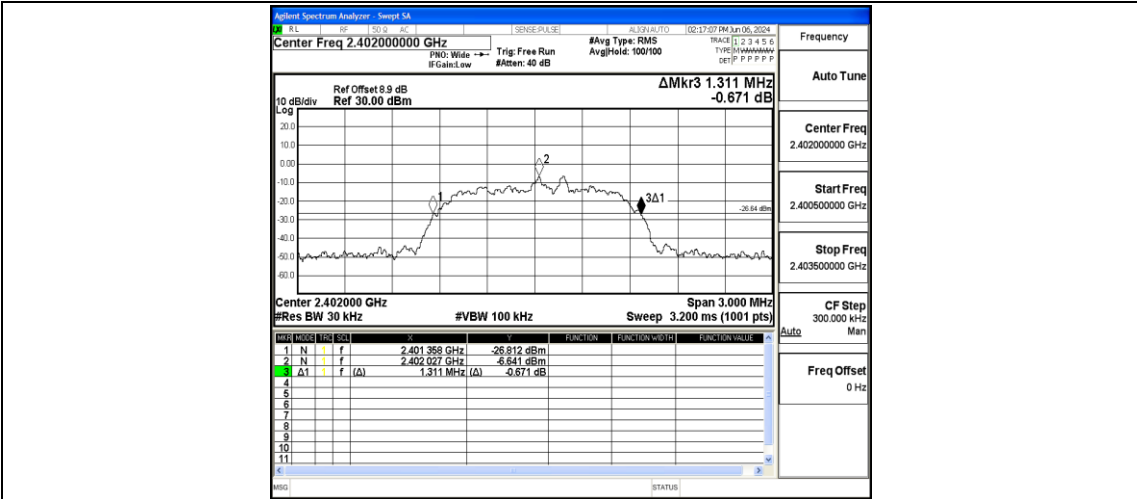
DH5-Ant1-2402



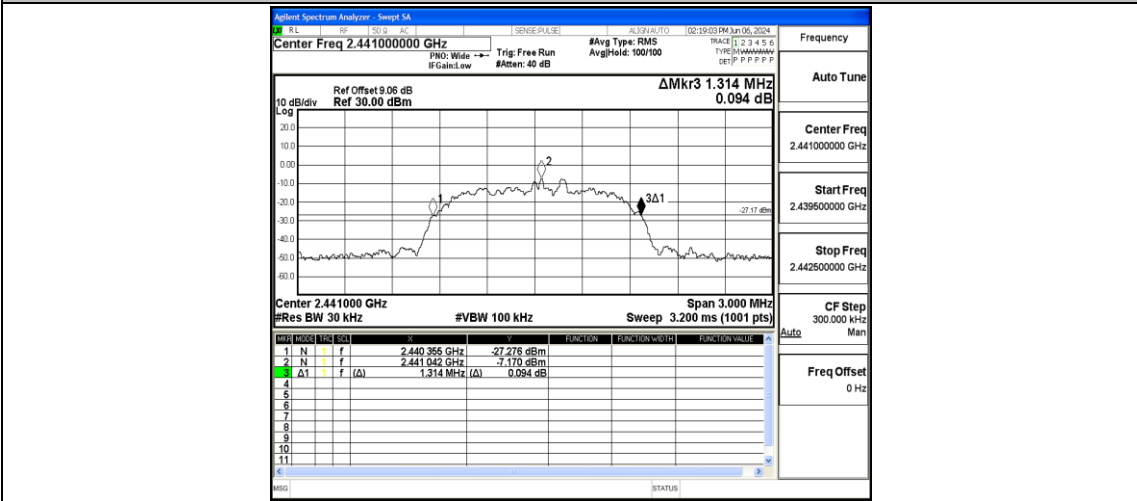
DH5-Ant1-2441



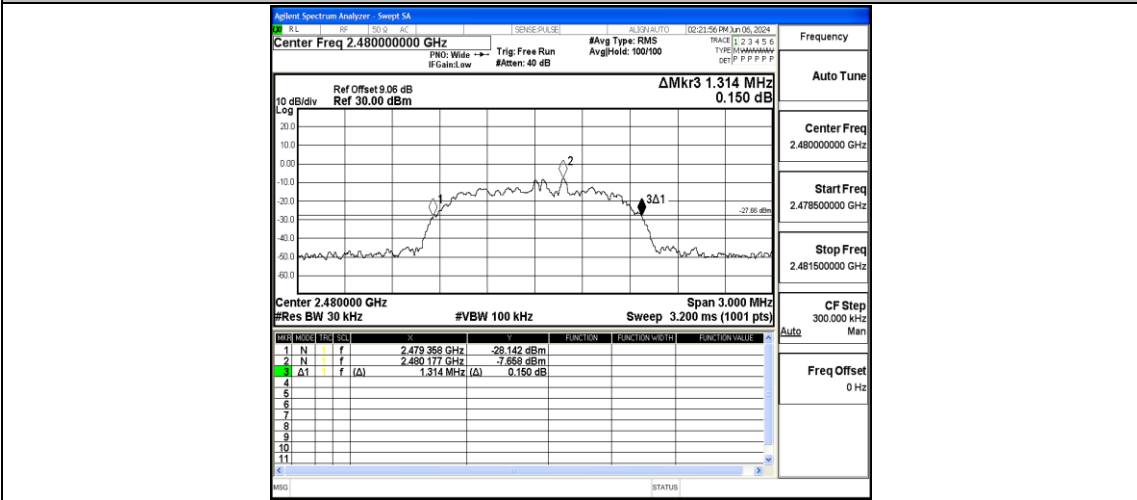
DH5-Ant1-2480



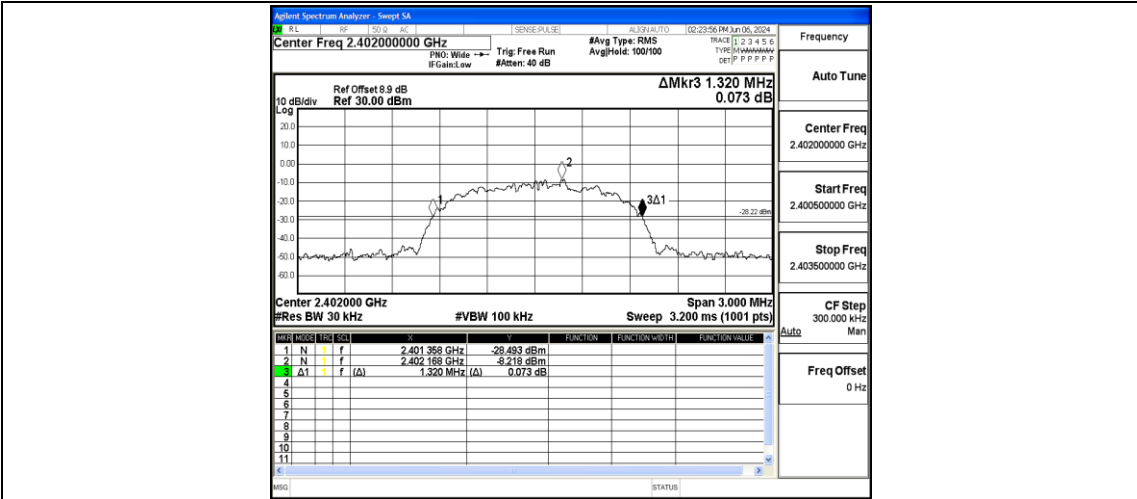
2DH5-Ant1-2402



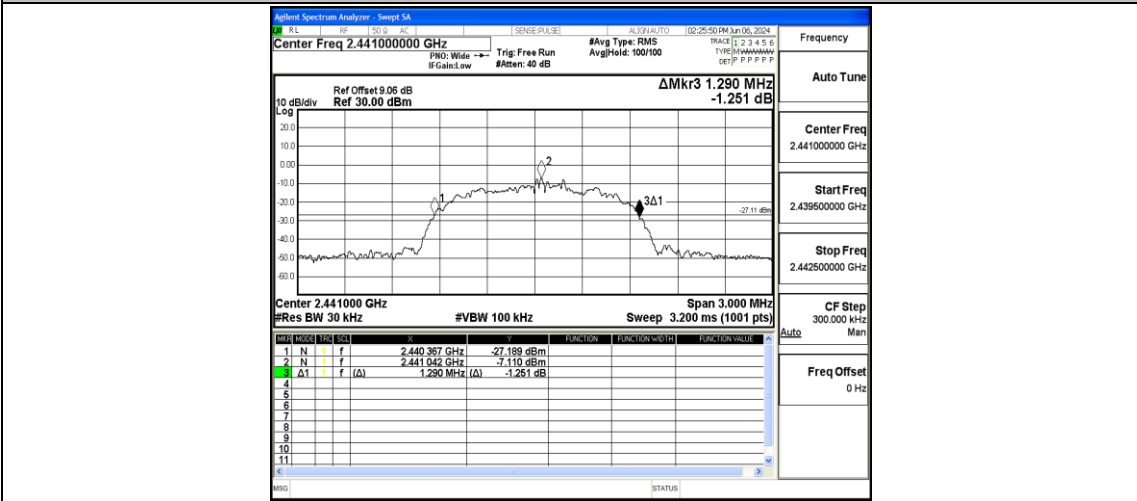
2DH5-Ant1-2441



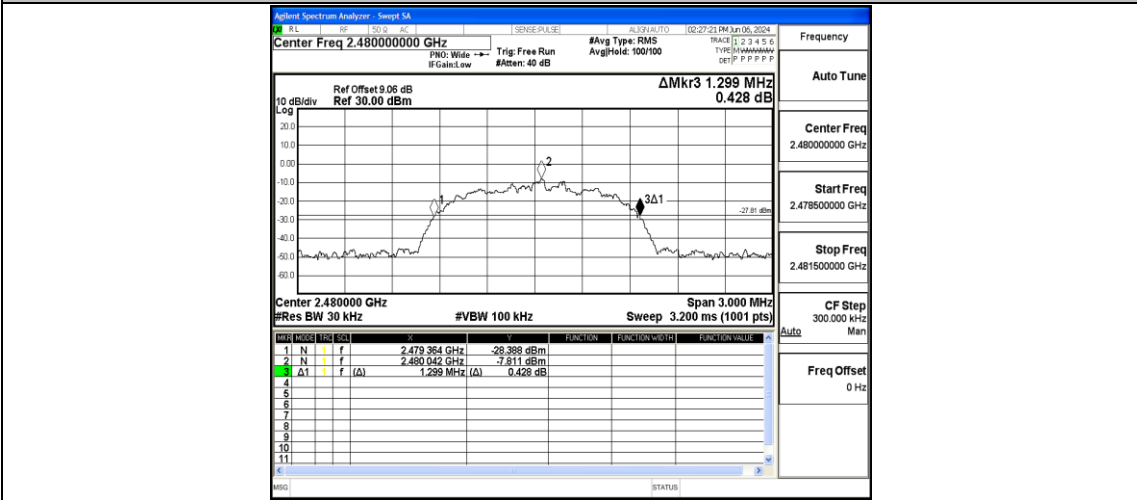
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



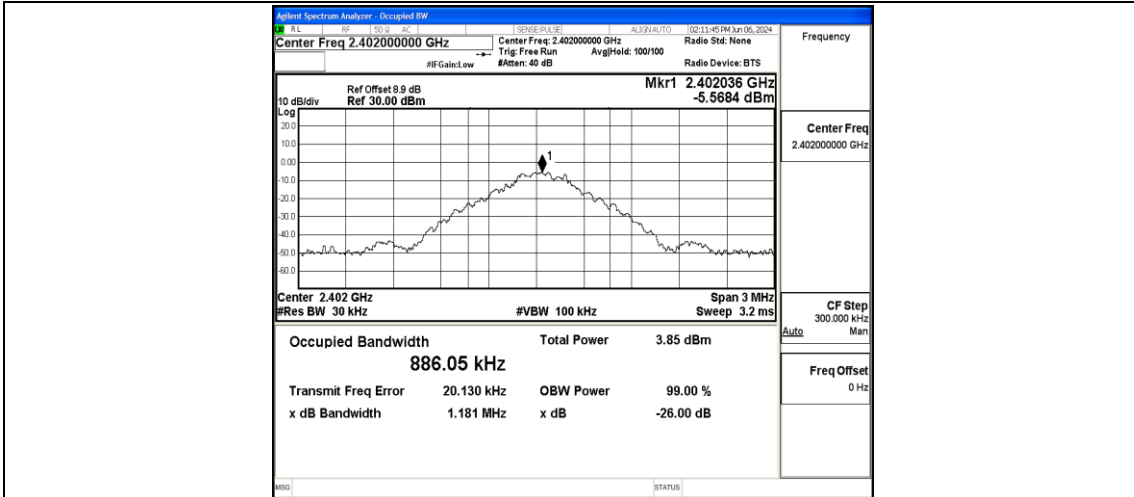
3DH5-Ant1-2480

Appendix B: Occupied Channel Bandwidth

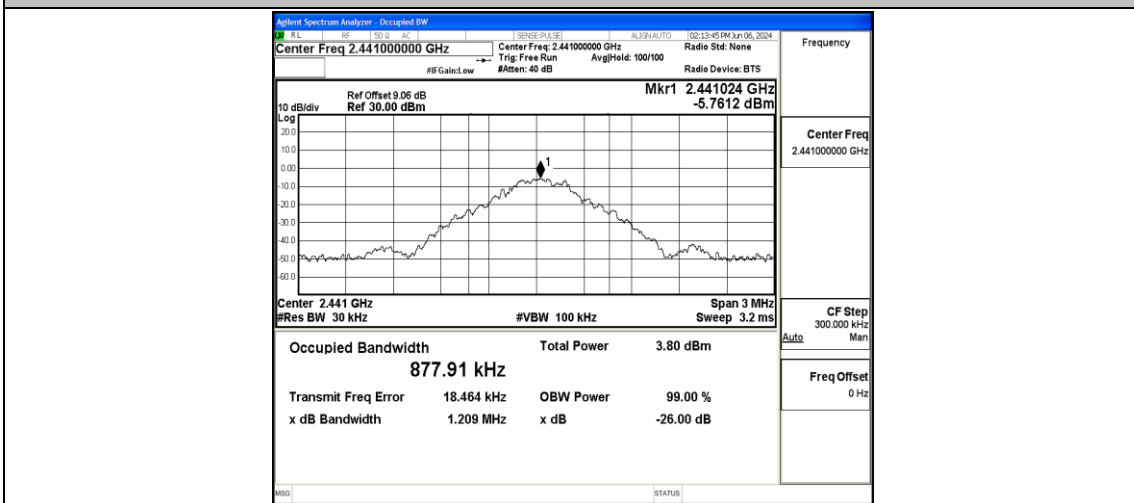
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88605	2401.5771	2402.4632	---	---
DH5	Ant1	2441	0.87791	2440.5795	2441.4574	---	---
DH5	Ant1	2480	0.87709	2479.5778	2480.4549	---	---
2DH5	Ant1	2402	1.1726	2401.4277	2402.6003	---	---
2DH5	Ant1	2441	1.1819	2440.4219	2441.6038	---	---
2DH5	Ant1	2480	1.1881	2479.4206	2480.6087	---	---
3DH5	Ant1	2402	1.1999	2401.4136	2402.6135	---	---
3DH5	Ant1	2441	1.1805	2440.4242	2441.6047	---	---
3DH5	Ant1	2480	1.1954	2479.4161	2480.6115	---	---

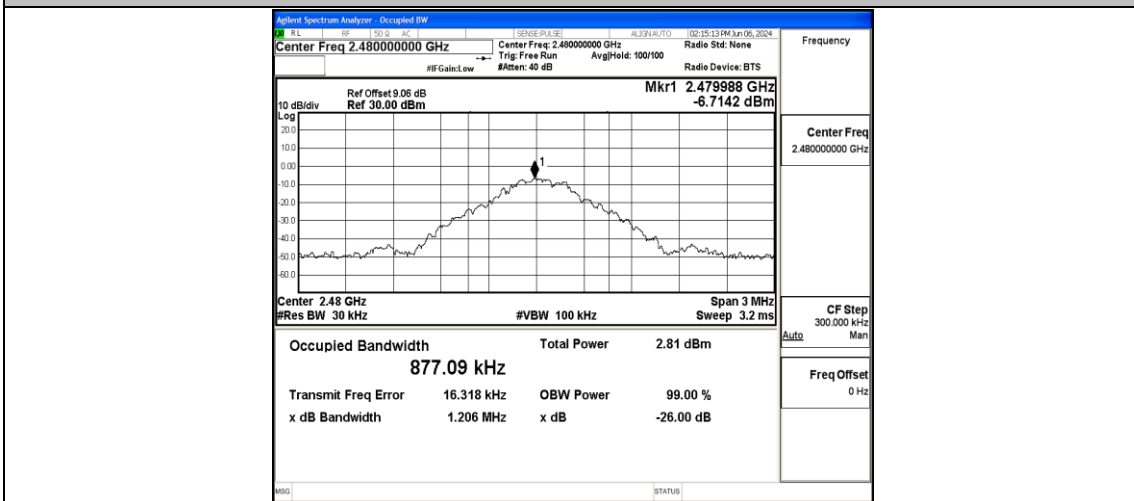
Test Graphs



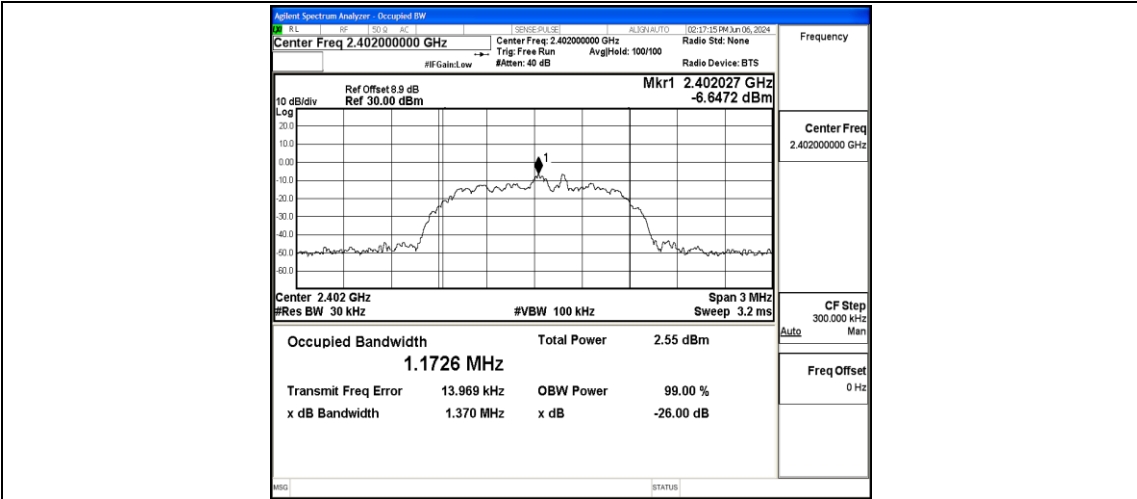
DH5-Ant1-2402



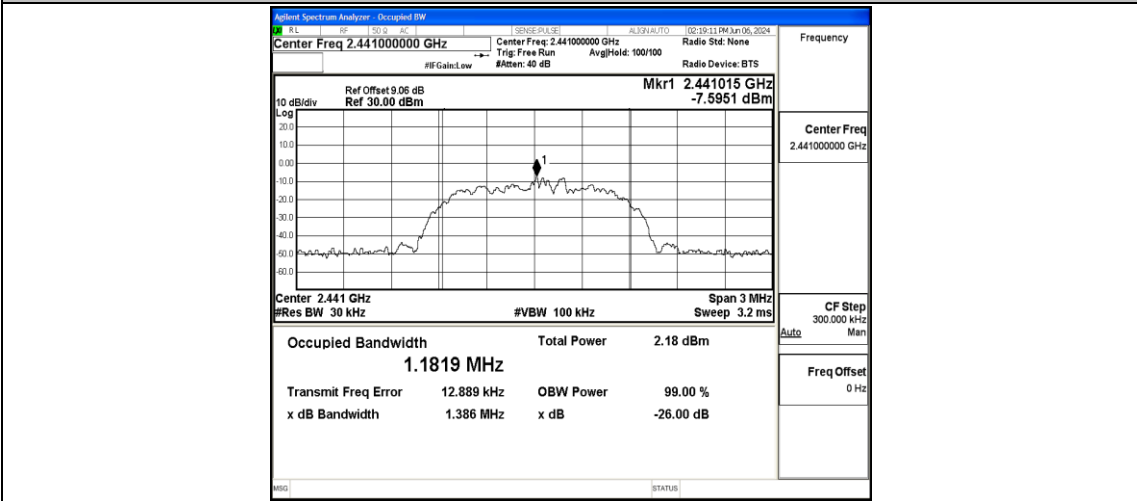
DH5-Ant1-2441



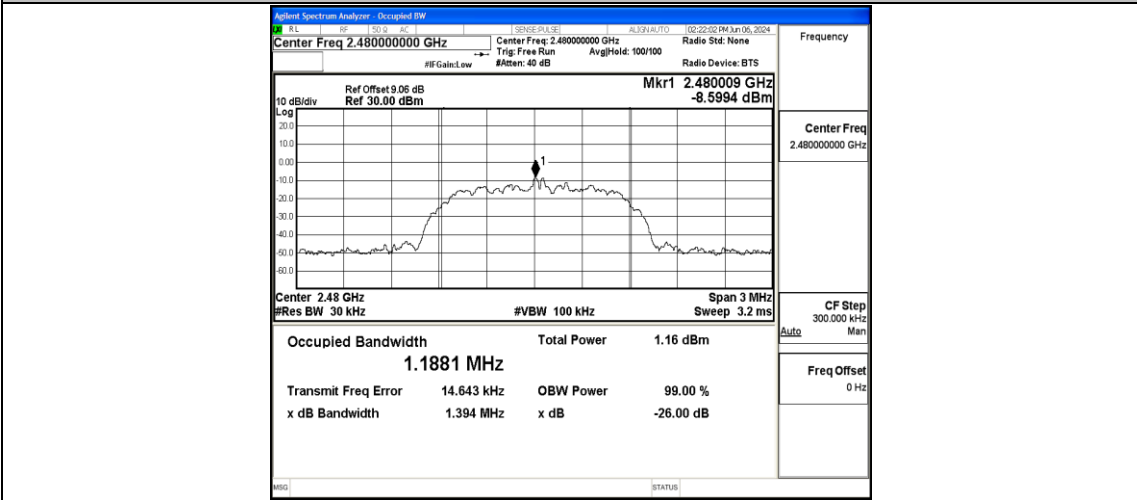
DH5-Ant1-2480



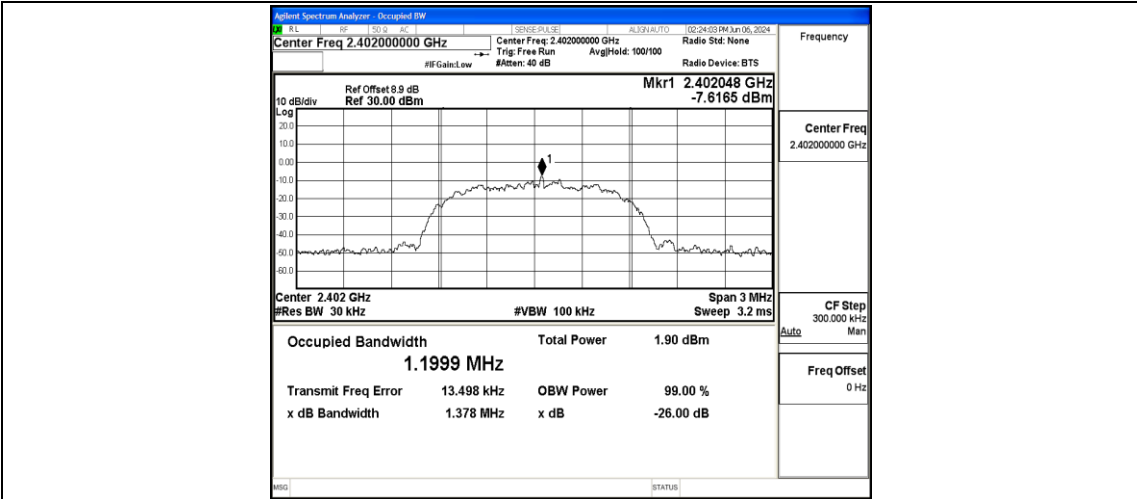
2DH5-Ant1-2402



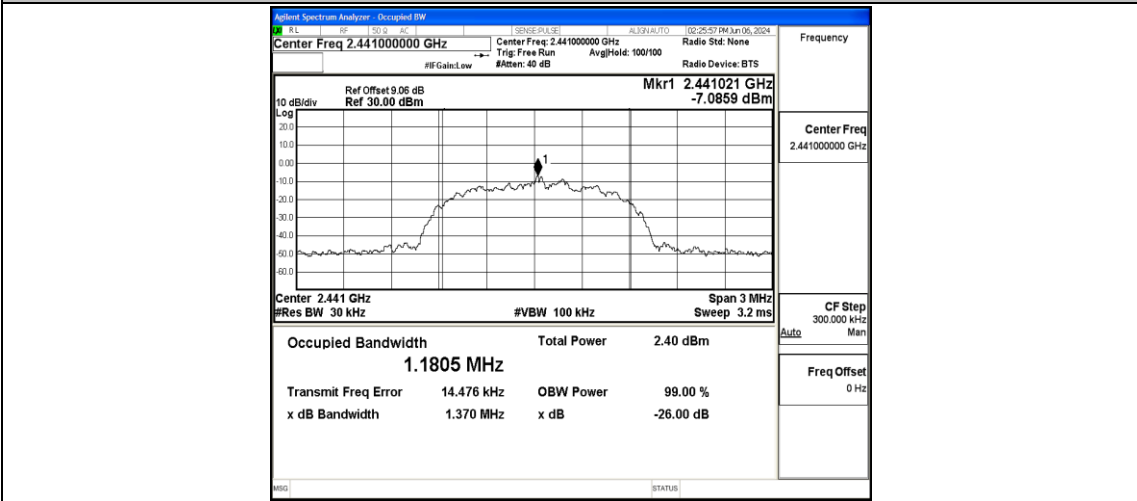
2DH5-Ant1-2441



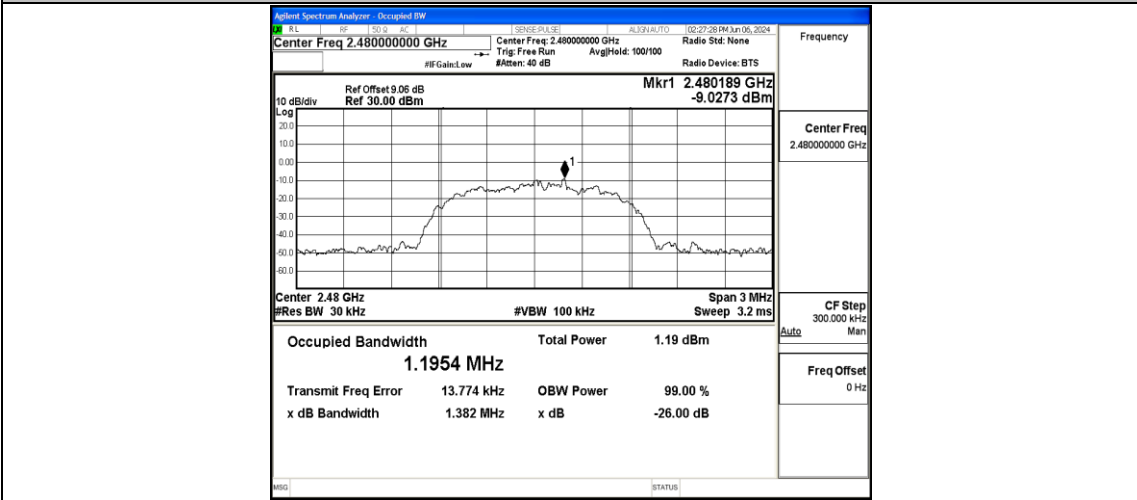
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



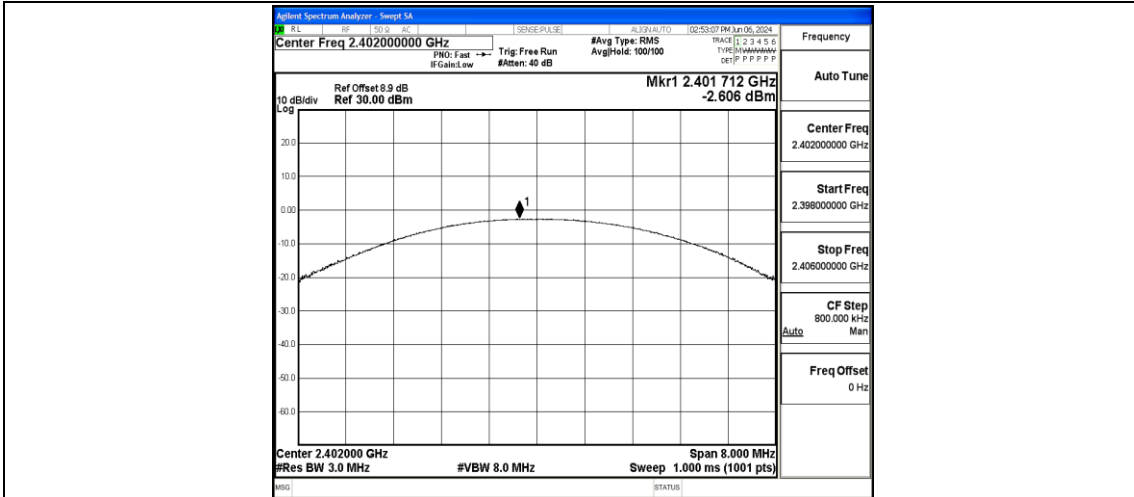
3DH5-Ant1-2480

Appendix C: Maximum peak conducted output power

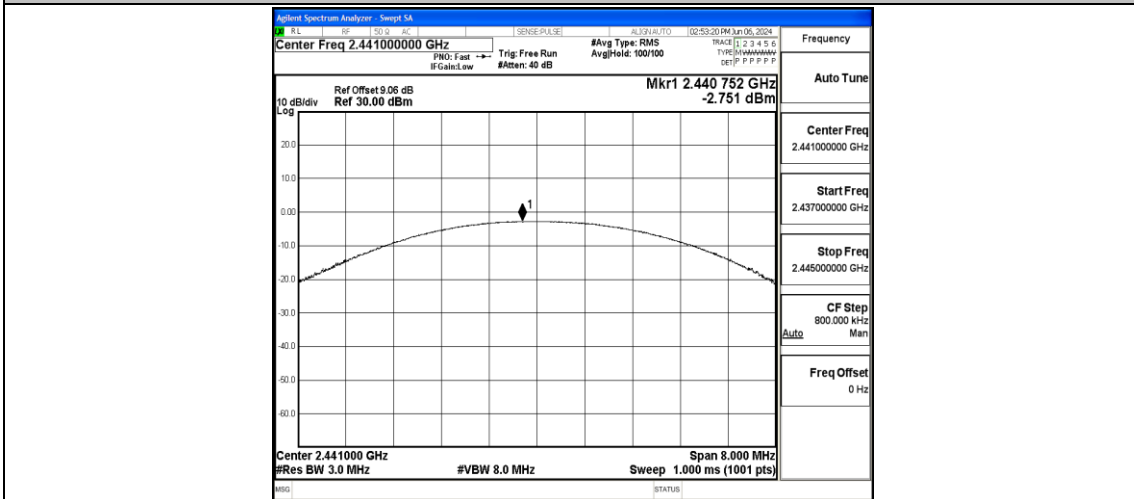
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.61	≤20.97	PASS
DH5	Ant1	2441	-2.75	≤20.97	PASS
DH5	Ant1	2480	-3.59	≤20.97	PASS
2DH5	Ant1	2402	-2.36	≤20.97	PASS
2DH5	Ant1	2441	-2.52	≤20.97	PASS
2DH5	Ant1	2480	-3.34	≤20.97	PASS
3DH5	Ant1	2402	-1.89	≤20.97	PASS
3DH5	Ant1	2441	-1.92	≤20.97	PASS
3DH5	Ant1	2480	-2.83	≤20.97	PASS

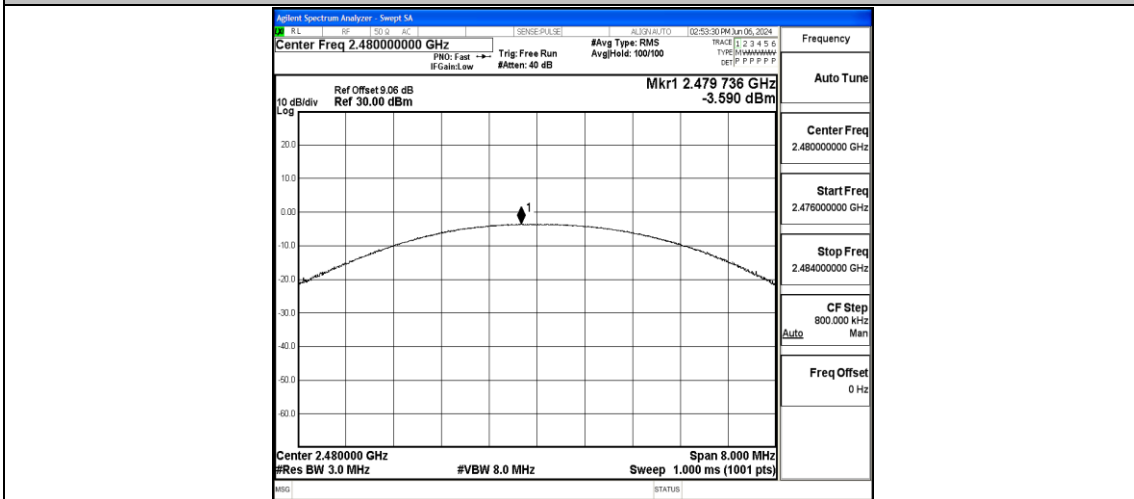
Test Graphs



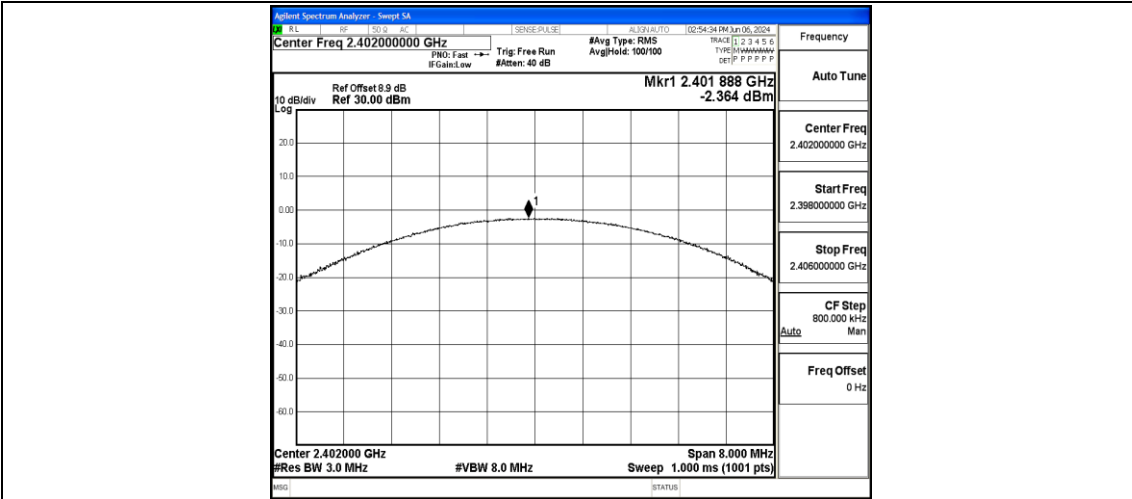
DH5-Ant1-2402-PASS



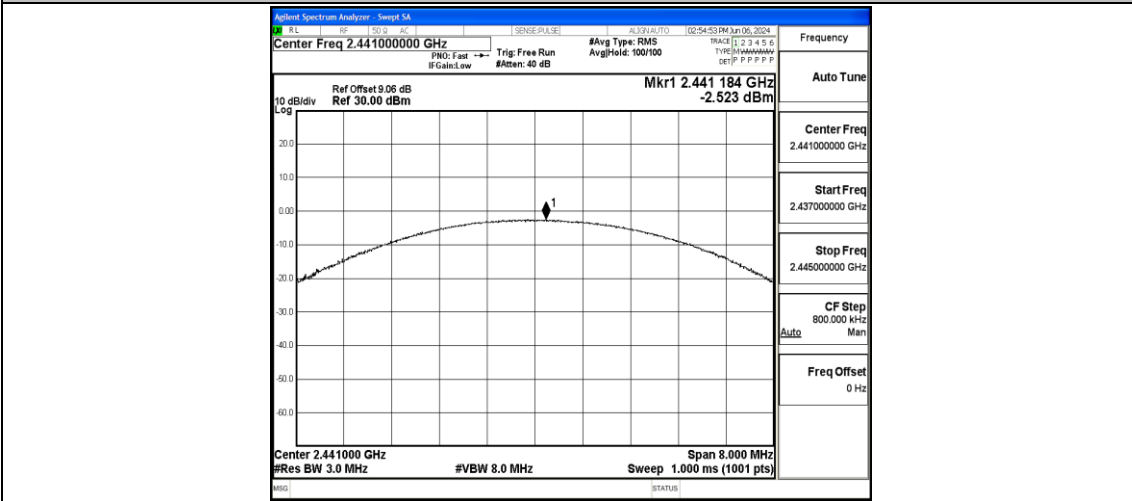
DH5-Ant1-2441-PASS



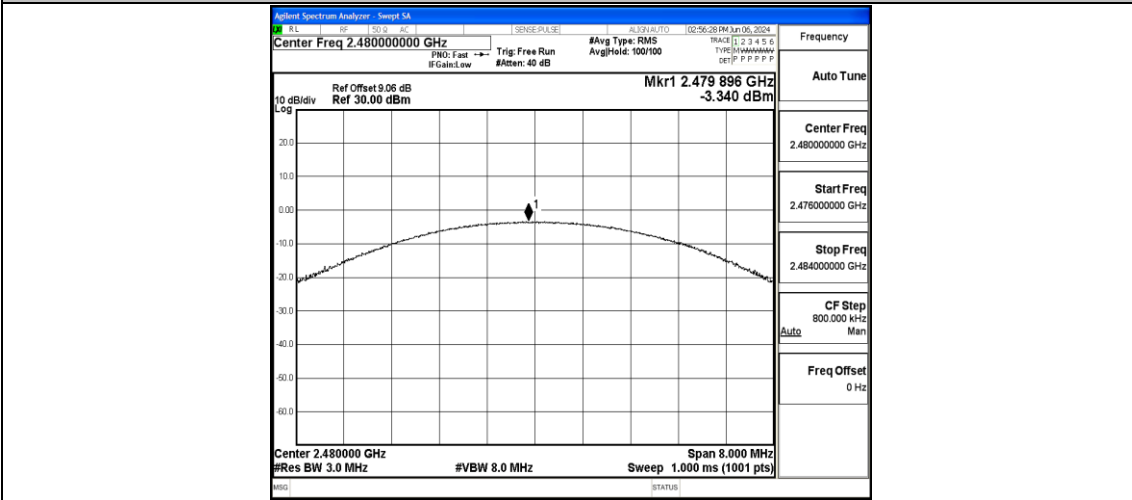
DH5-Ant1-2480-PASS



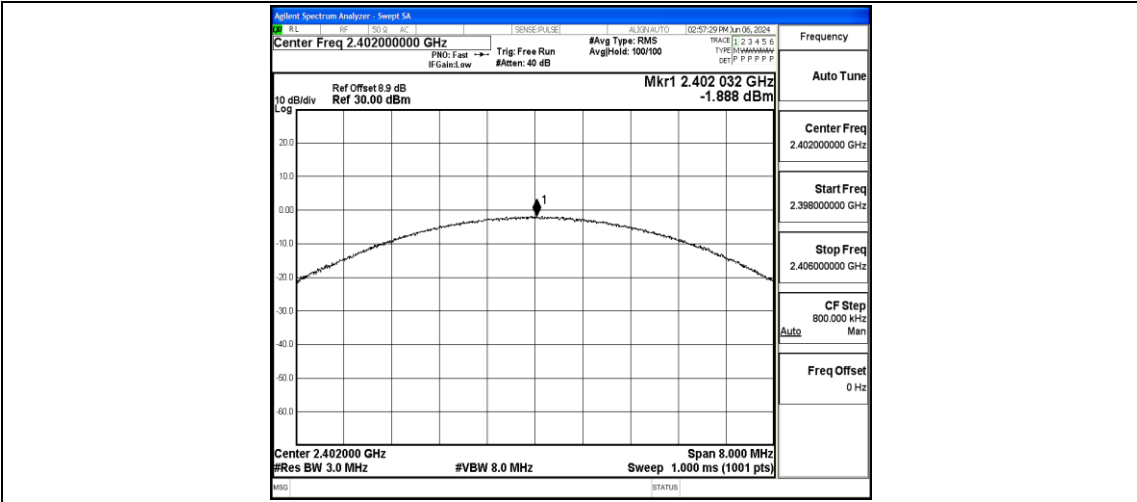
2DH5-Ant1-2402-PASS



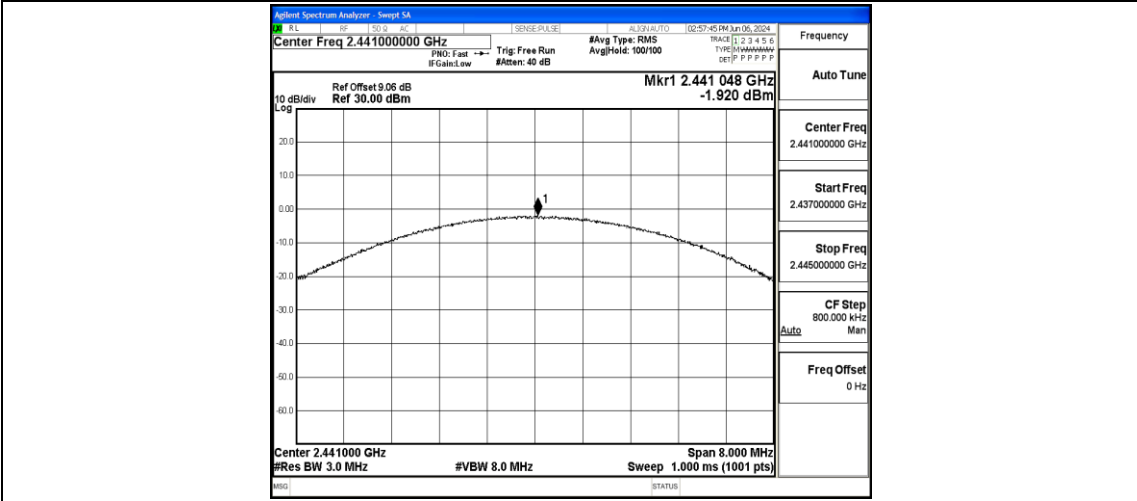
2DH5-Ant1-2441-PASS



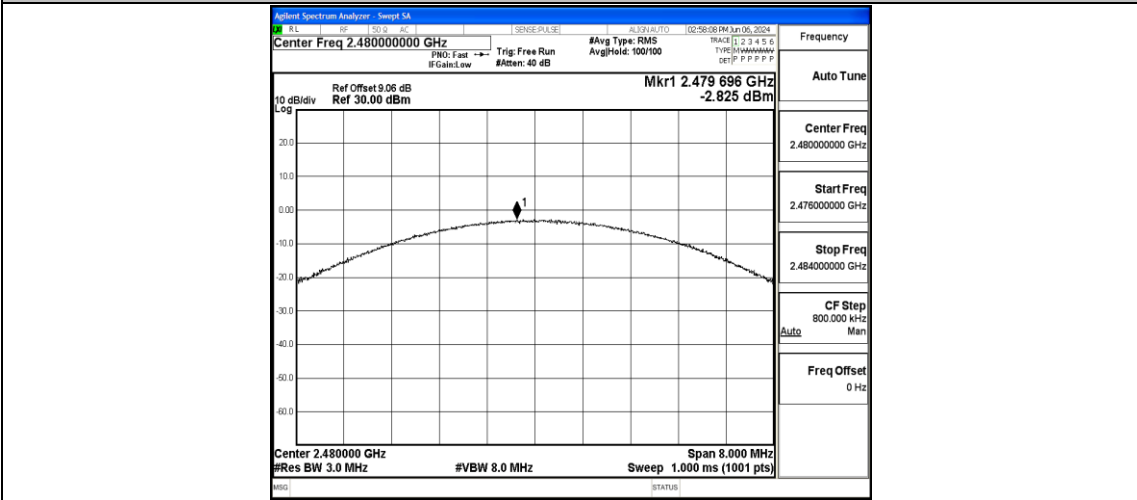
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



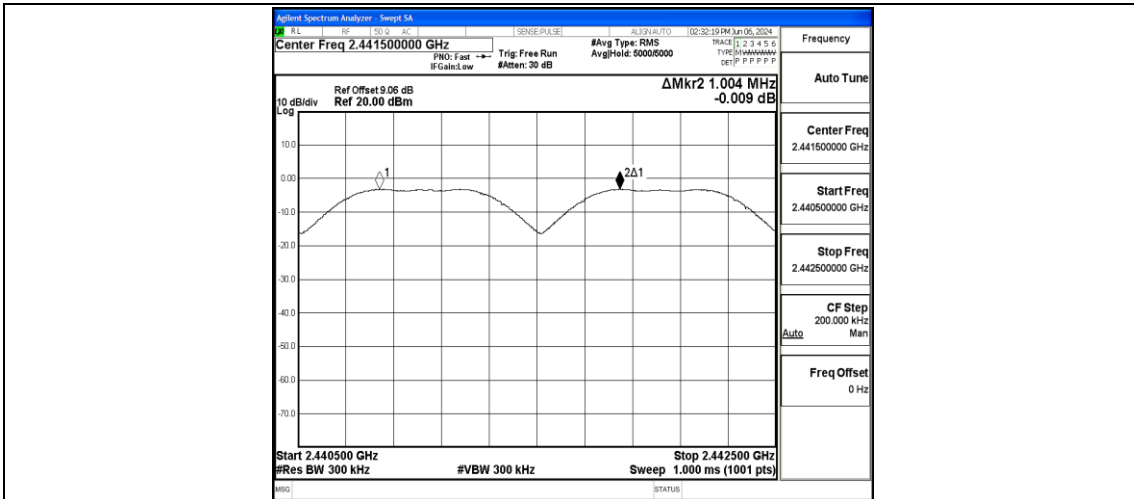
3DH5-Ant1-2480-PASS

Appendix D: Carrier frequency separation

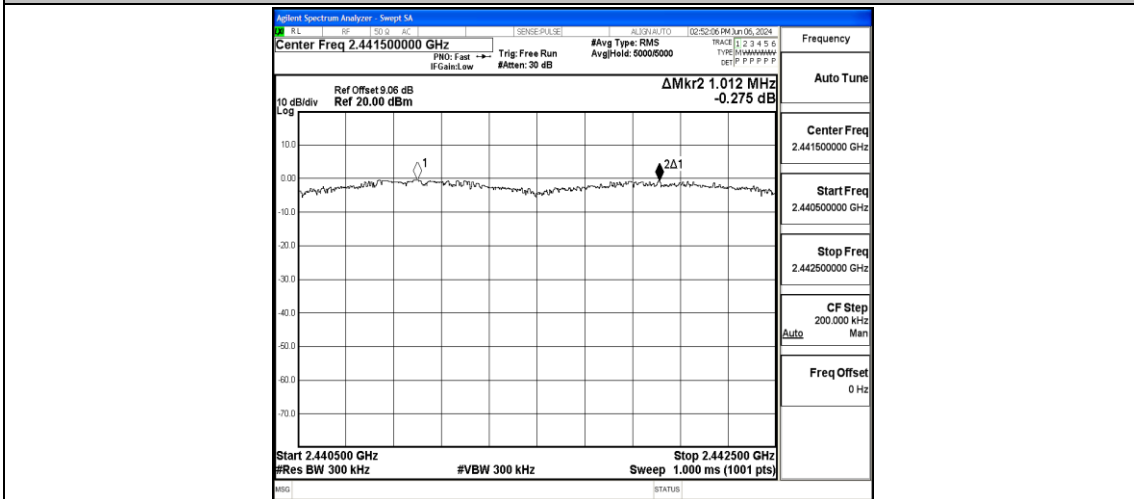
Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.686	PASS
2DH5	Ant1	Hop	1.012	≥ 0.876	PASS
3DH5	Ant1	Hop	1.148	≥ 0.880	PASS

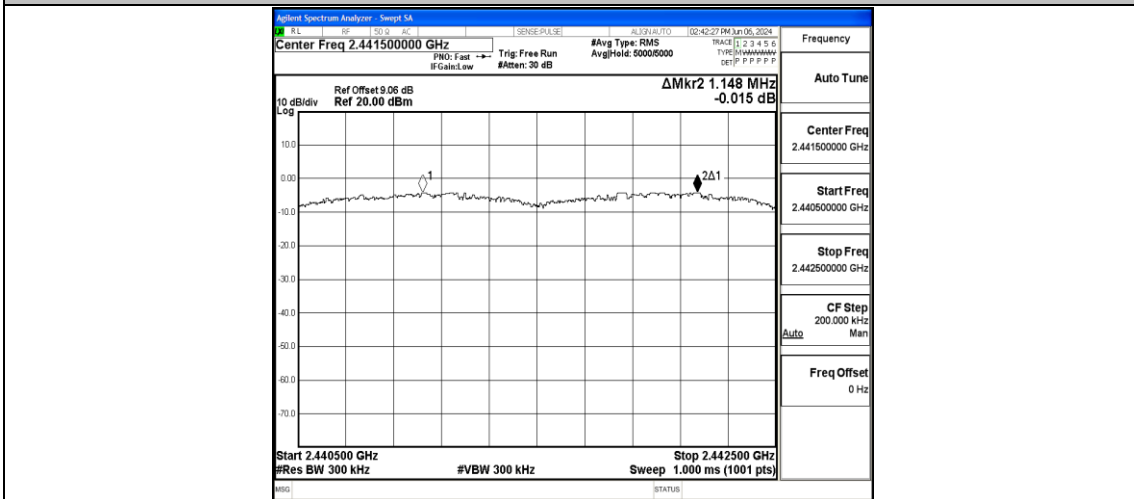
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



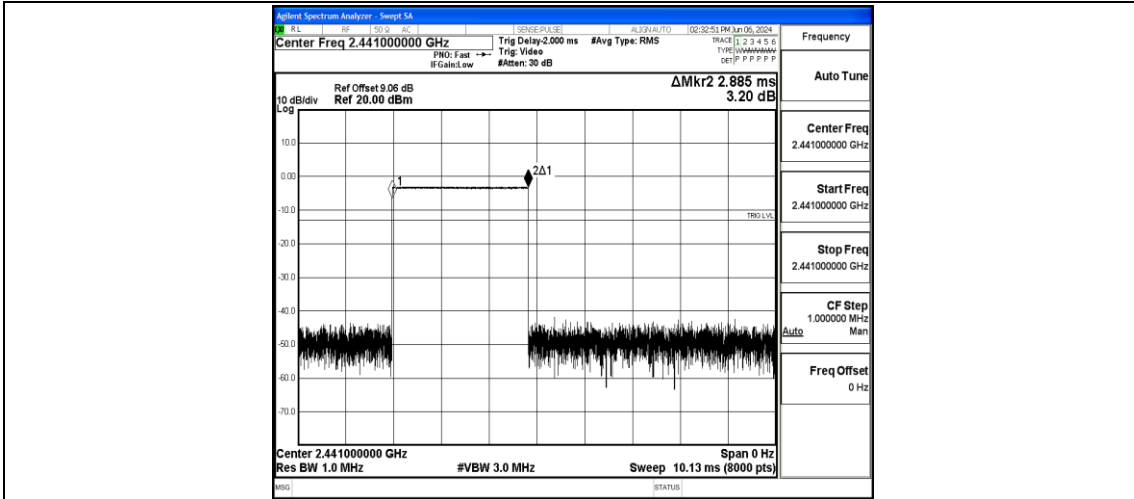
3DH5-Ant1-Hop-PASS

Appendix E: Time of occupancy

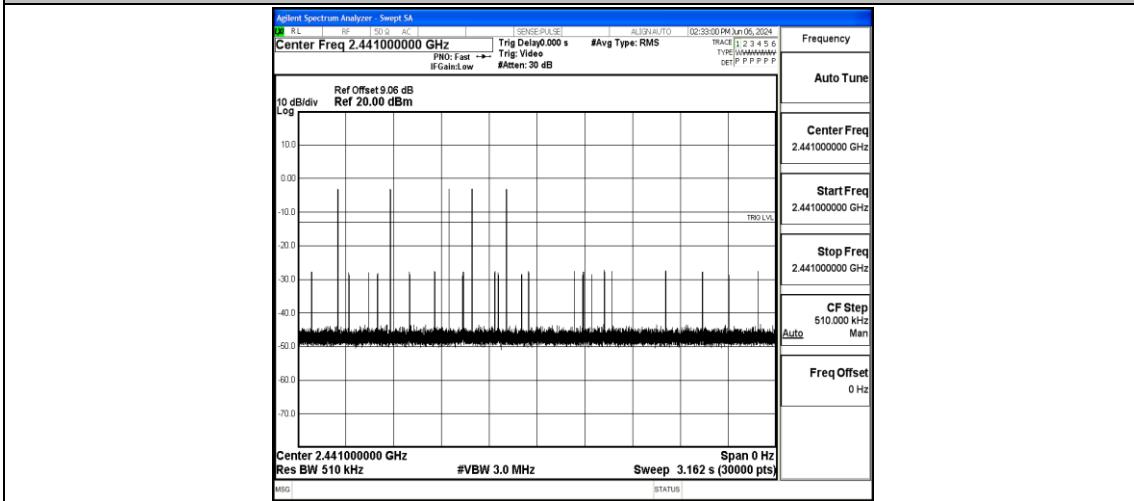
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	60	0.173	≤0.4	PASS
2DH5	Ant1	Hop	2.891	100	0.289	≤0.4	PASS
3DH5	Ant1	Hop	2.892	120	0.347	≤0.4	PASS

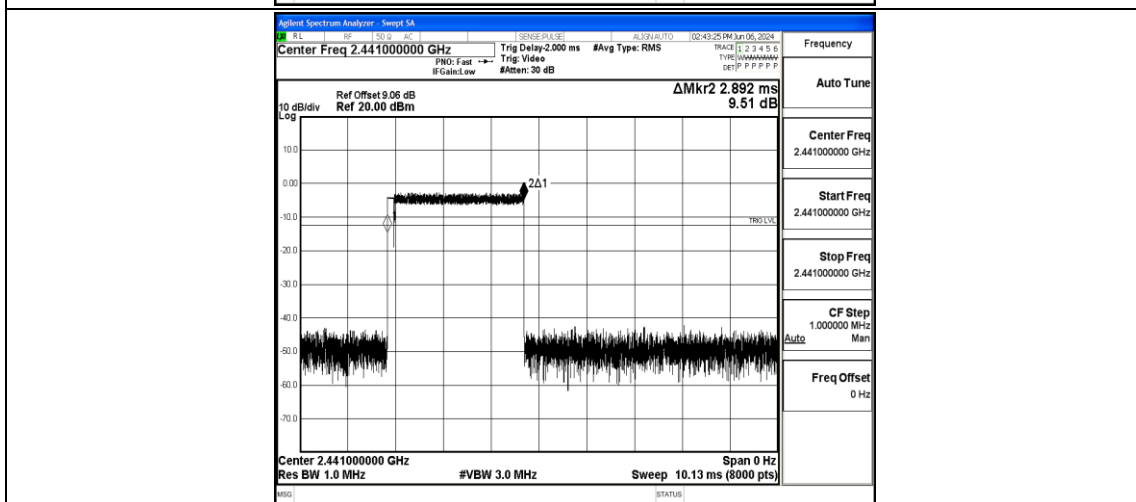
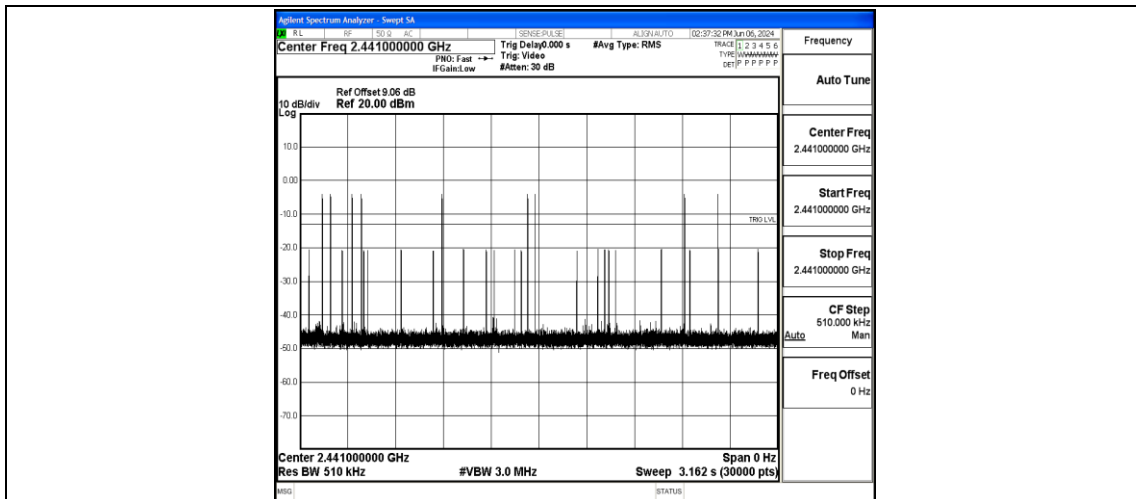
Test Graphs



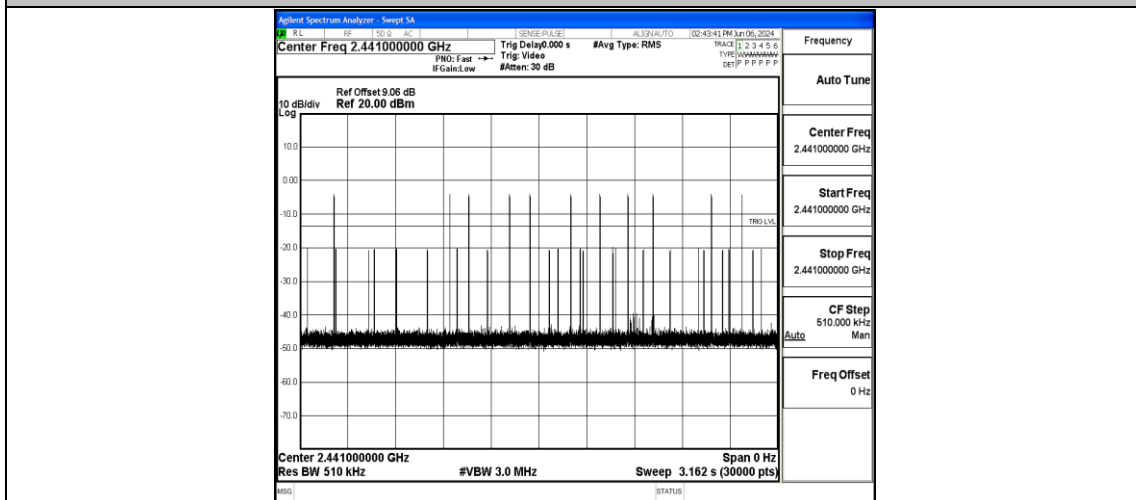
DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

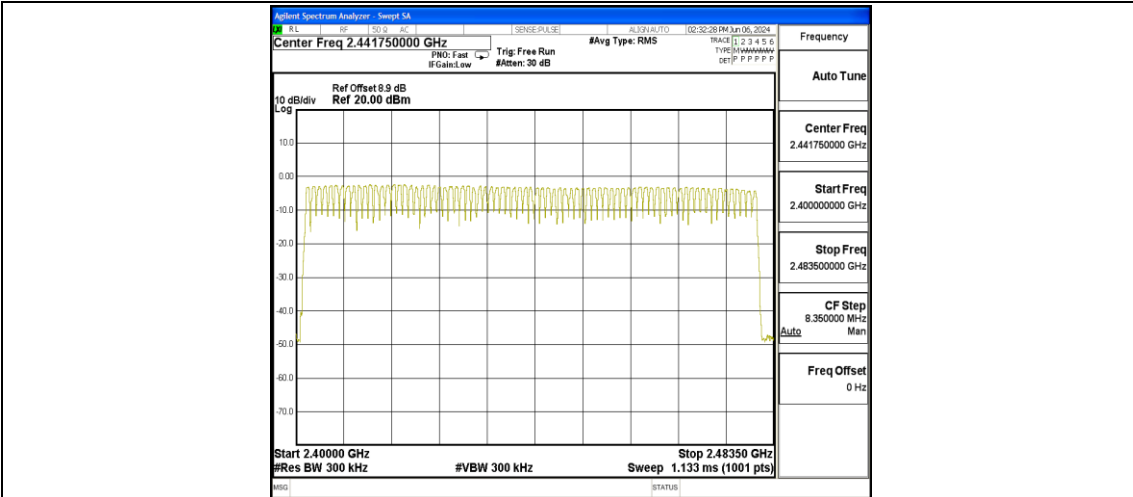


Appendix F: Number of hopping channels

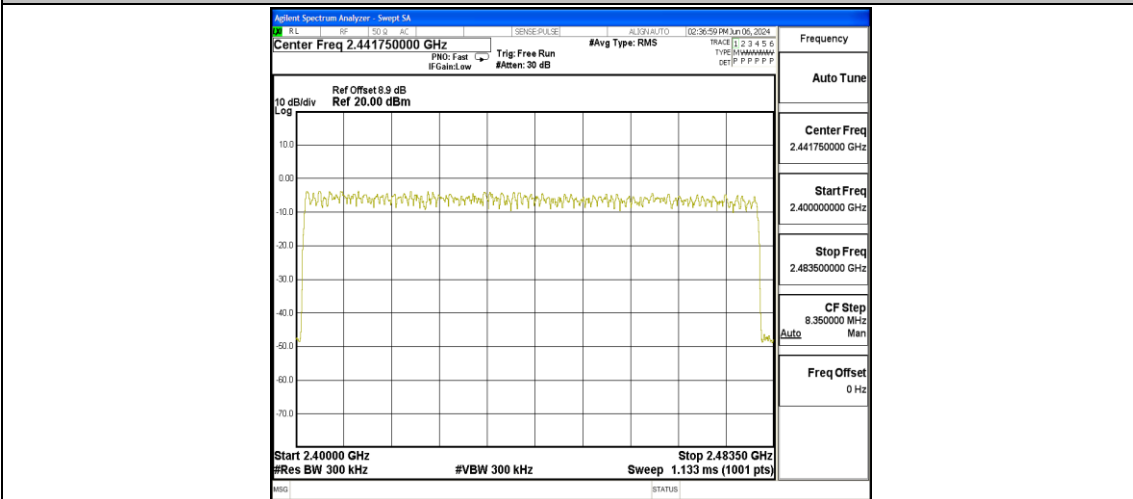
Test Result

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

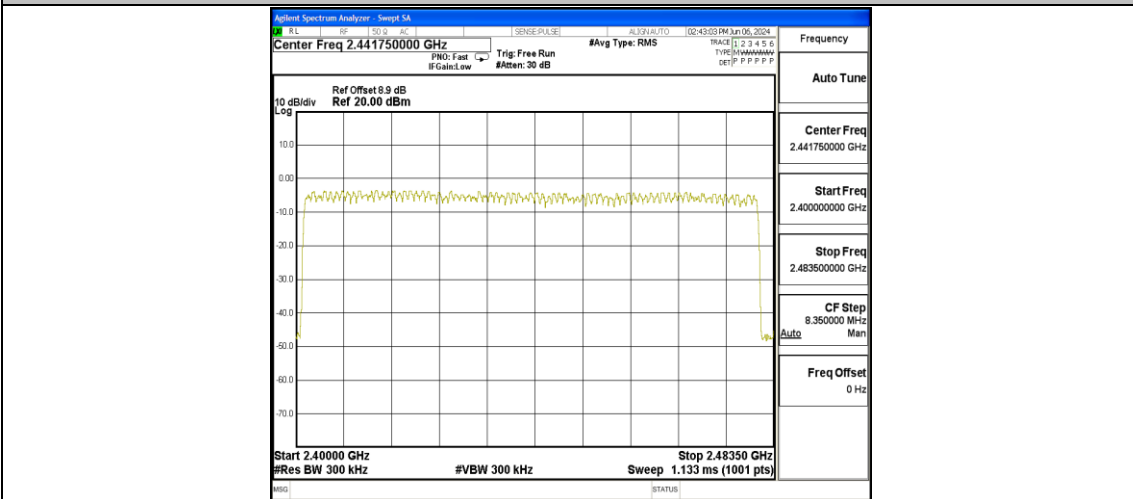
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



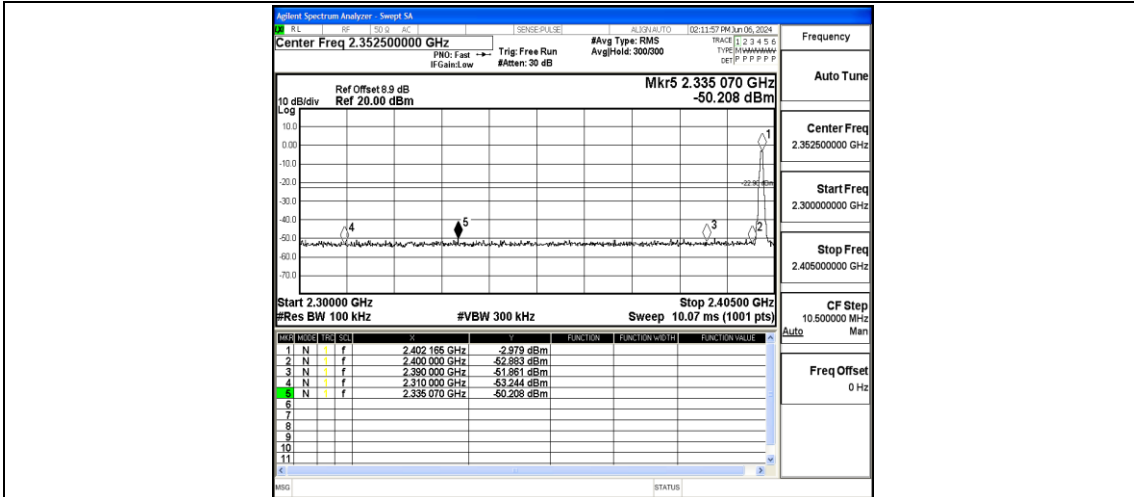
3DH5-Ant1-Hop-PASS

Appendix G: Band edge measurements

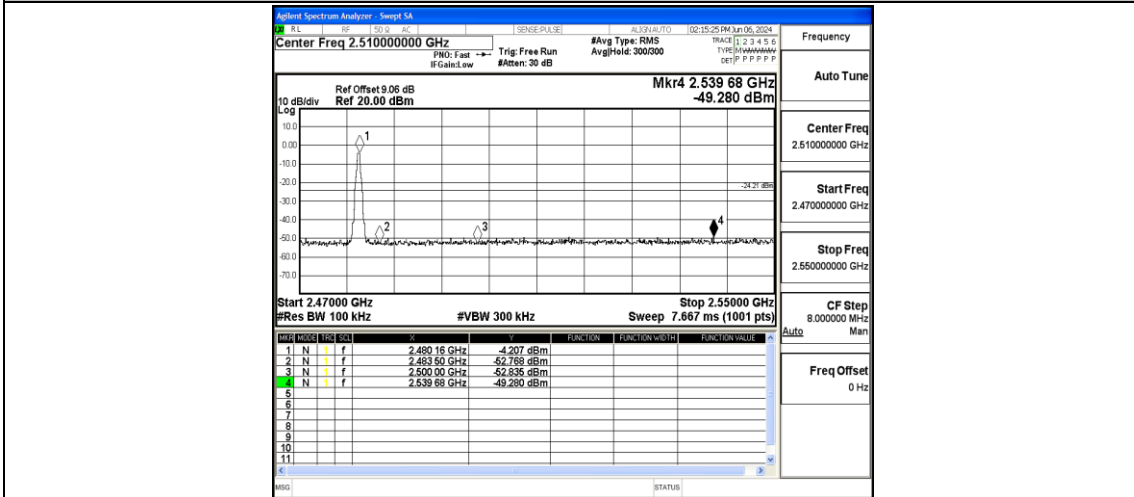
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.98	-50.21	≤-22.98	PASS
DH5	Ant1	High	2480	-4.21	-49.28	≤-24.21	PASS
DH5	Ant1	Low	Hop_2402	-4.14	-49.94	≤-24.14	PASS
DH5	Ant1	High	Hop_2480	-4.04	-48.94	≤-24.04	PASS
2DH5	Ant1	Low	2402	-3.90	-50	≤-23.9	PASS
2DH5	Ant1	High	2480	-5.02	-49.4	≤-25.02	PASS
2DH5	Ant1	Low	Hop_2402	-7.57	-50.75	≤-27.57	PASS
2DH5	Ant1	High	Hop_2480	-4.48	-49.02	≤-24.48	PASS
3DH5	Ant1	Low	2402	-4.58	-50.55	≤-24.58	PASS
3DH5	Ant1	High	2480	-5.82	-49.81	≤-25.82	PASS
3DH5	Ant1	Low	Hop_2402	-6.15	-50.08	≤-26.15	PASS
3DH5	Ant1	High	Hop_2480	-5.31	-48.83	≤-25.31	PASS

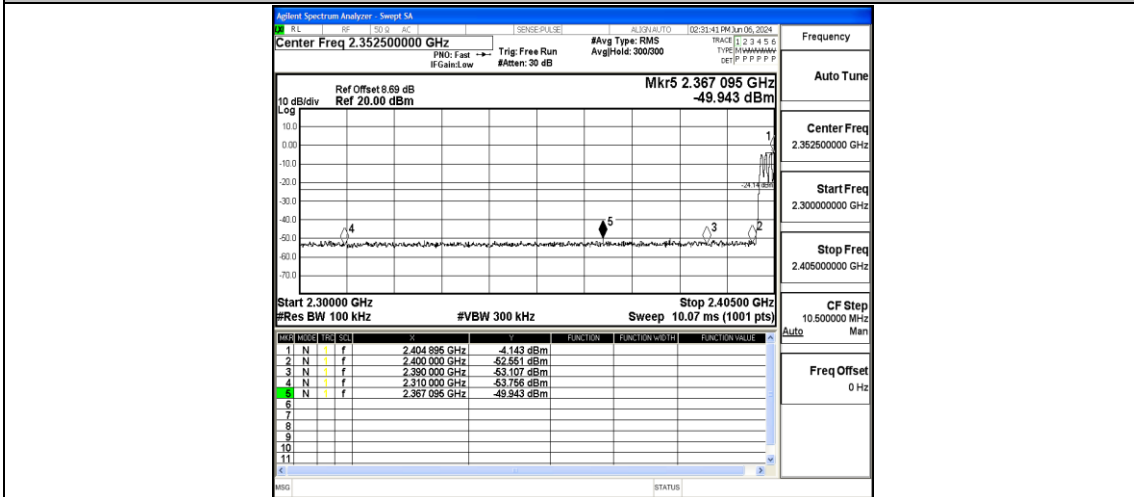
Test Graphs



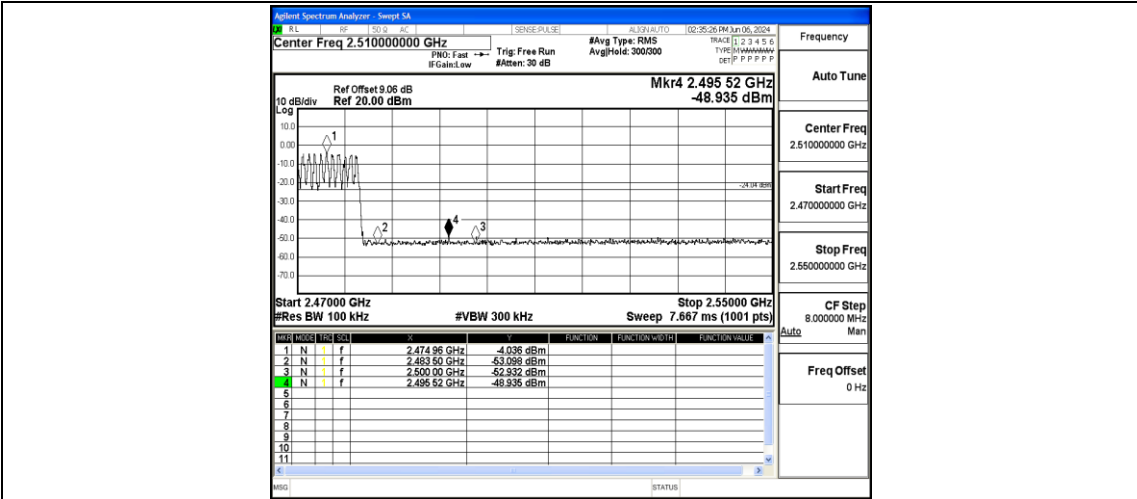
DH5-Ant1-2402-PASS



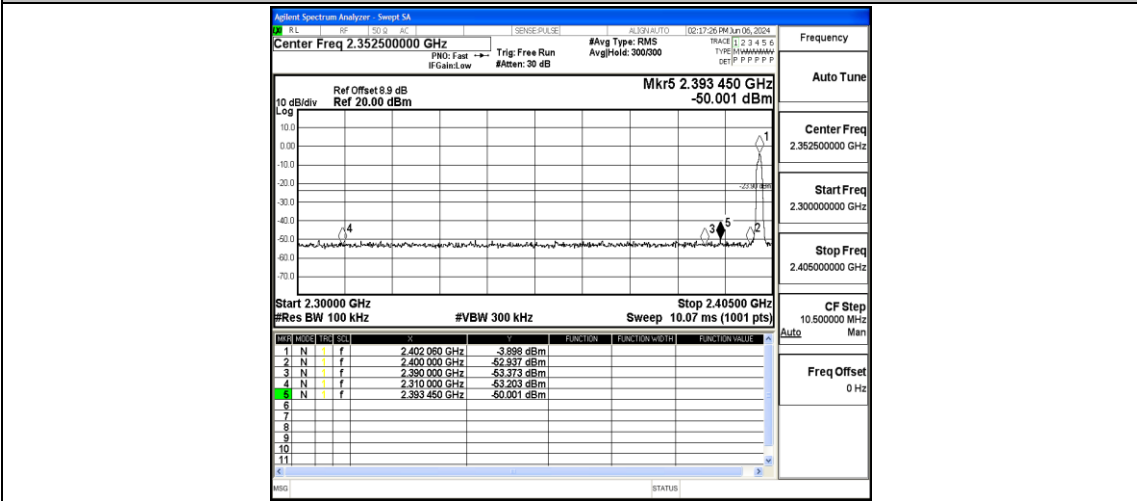
DH5-Ant1-2480-PASS



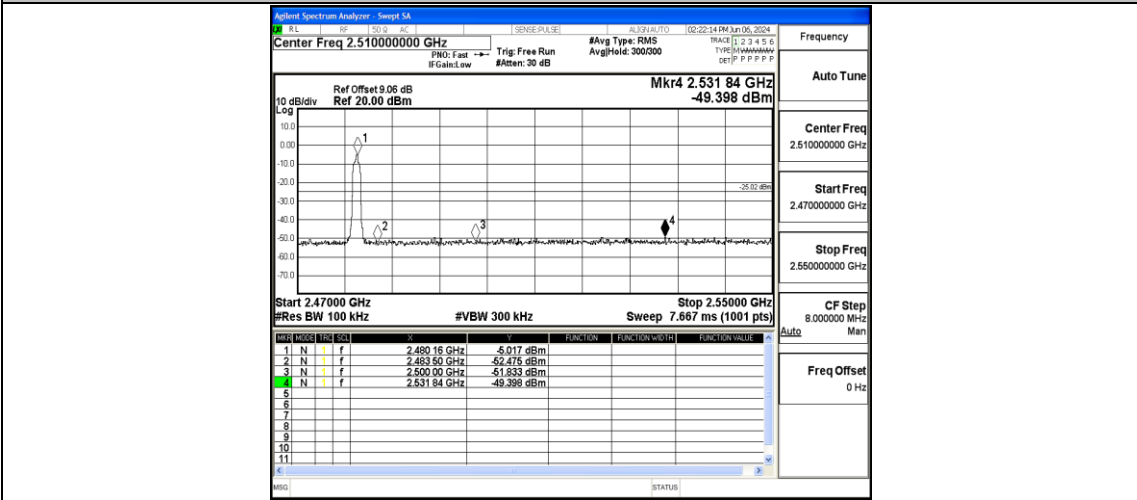
DH5-Ant1-Hop_2402-PASS



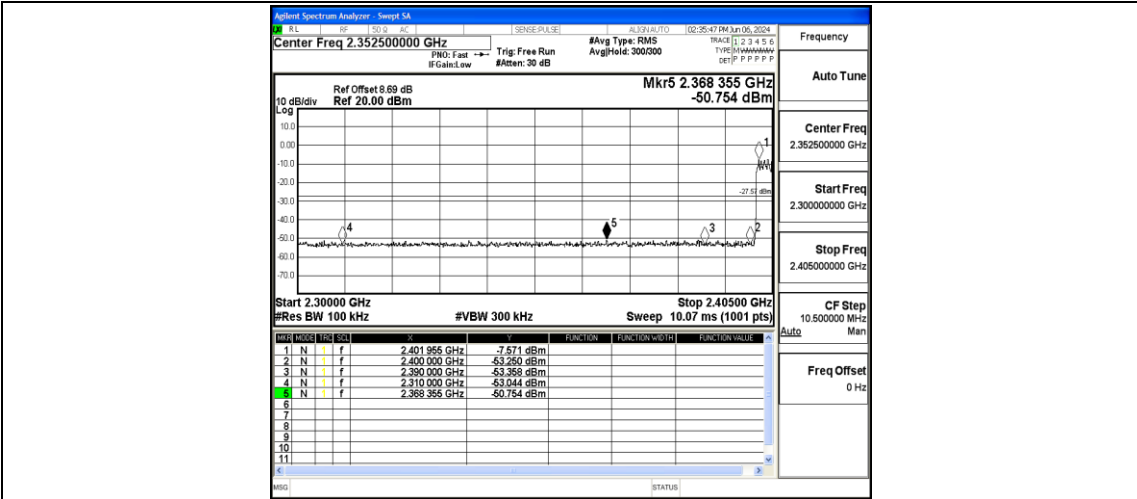
DH5-Ant1-Hop_2480-PASS



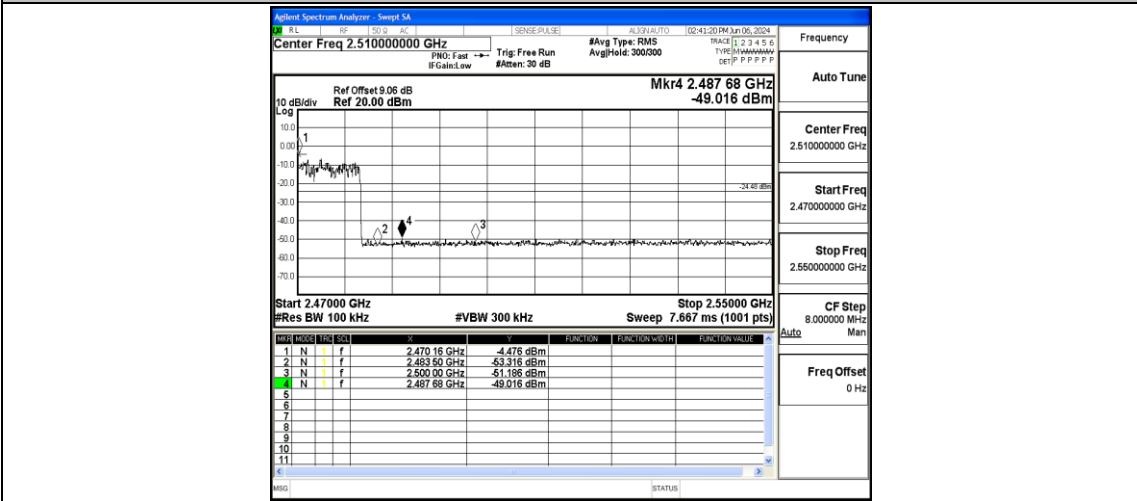
2DH5-Ant1-2402-PASS



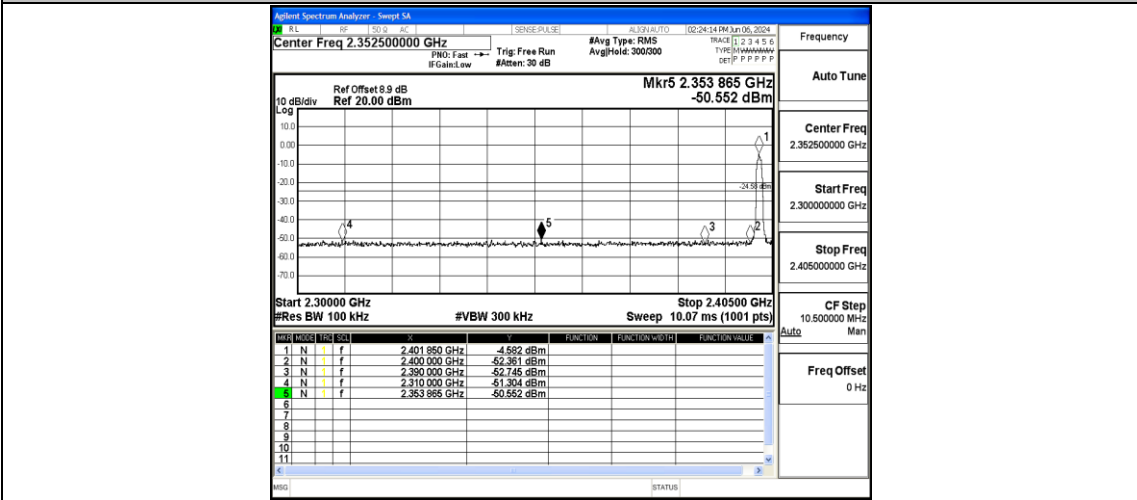
2DH5-Ant1-2480-PASS



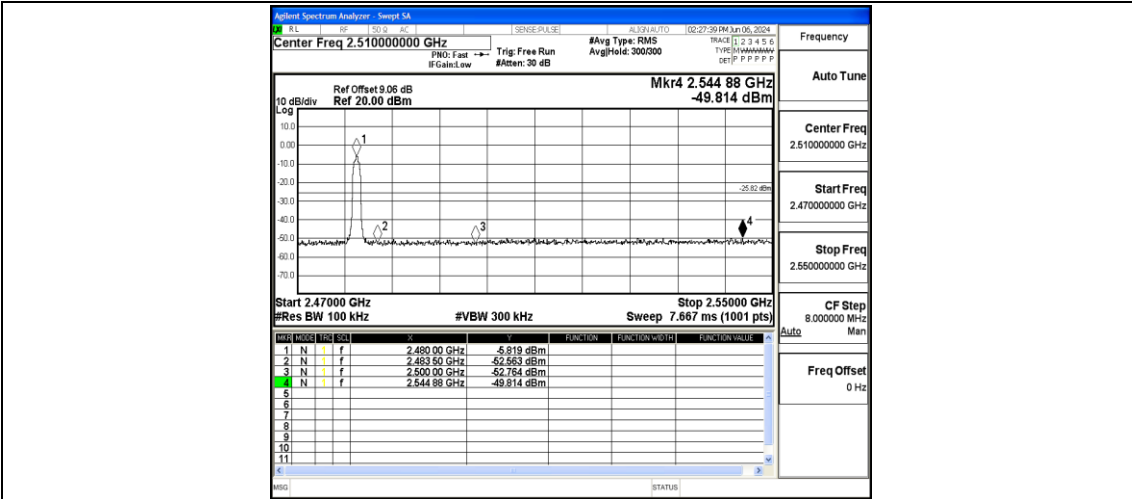
2DH5-Ant1-Hop_2402-PASS



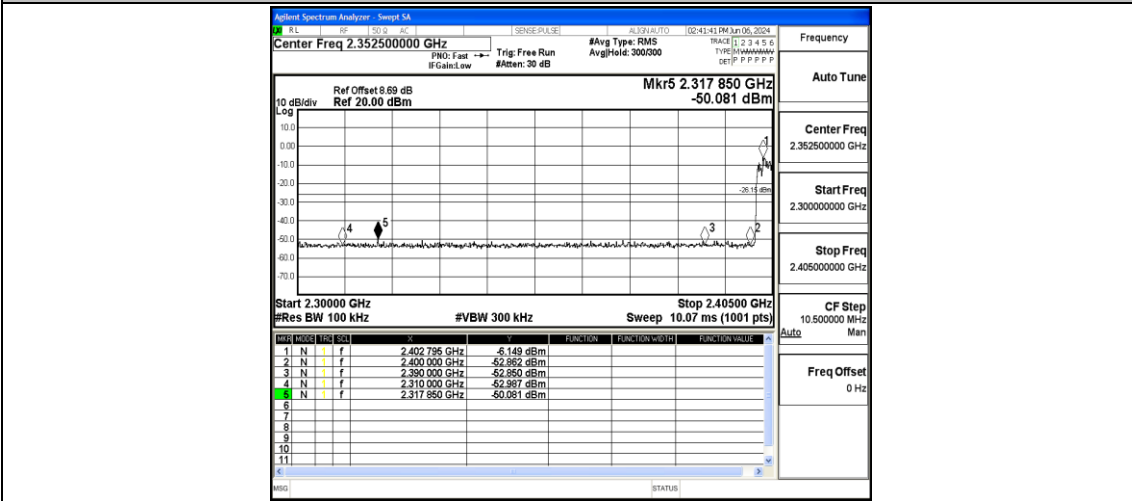
2DH5-Ant1-Hop_2480-PASS



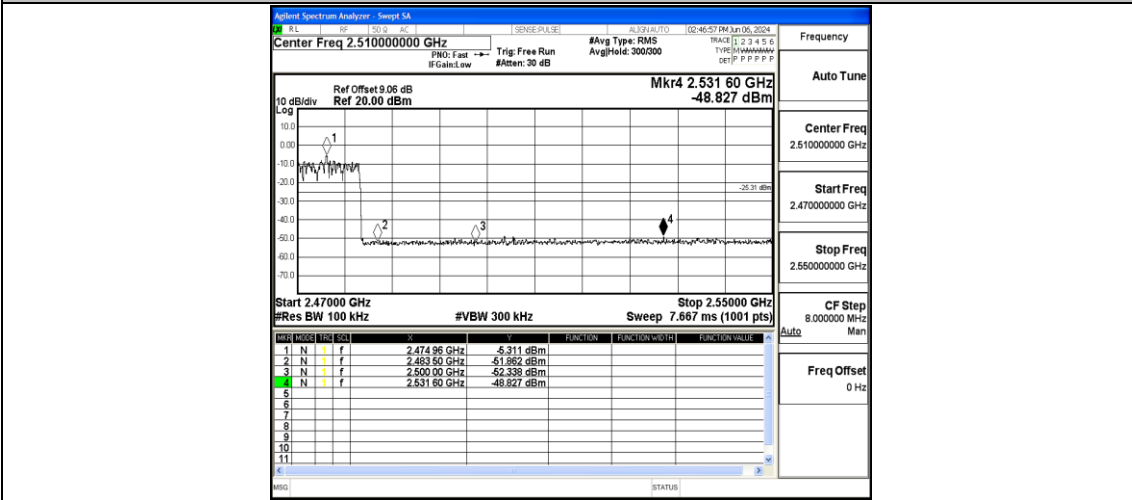
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



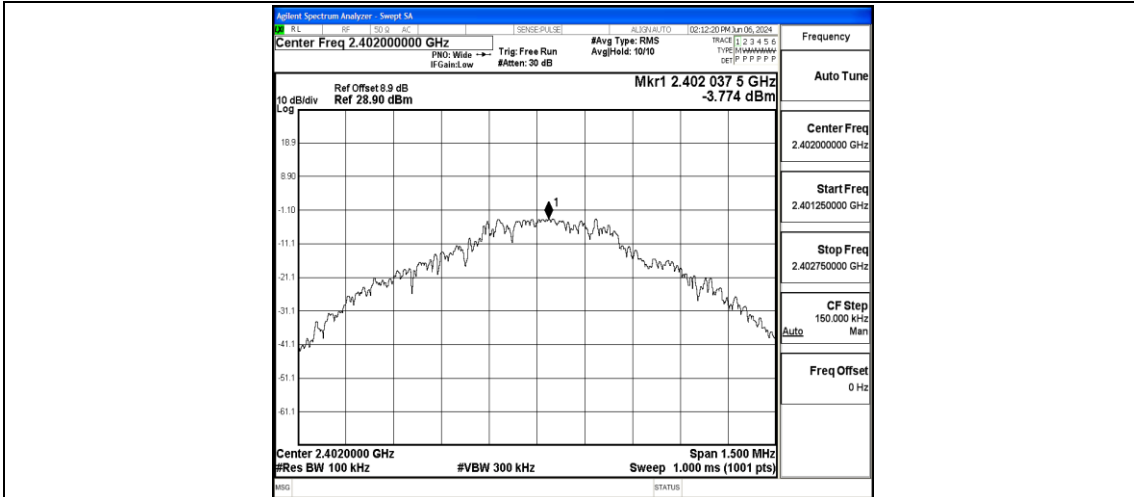
3DH5-Ant1-Hop_2480-PASS

Appendix H: Conducted Spurious Emission

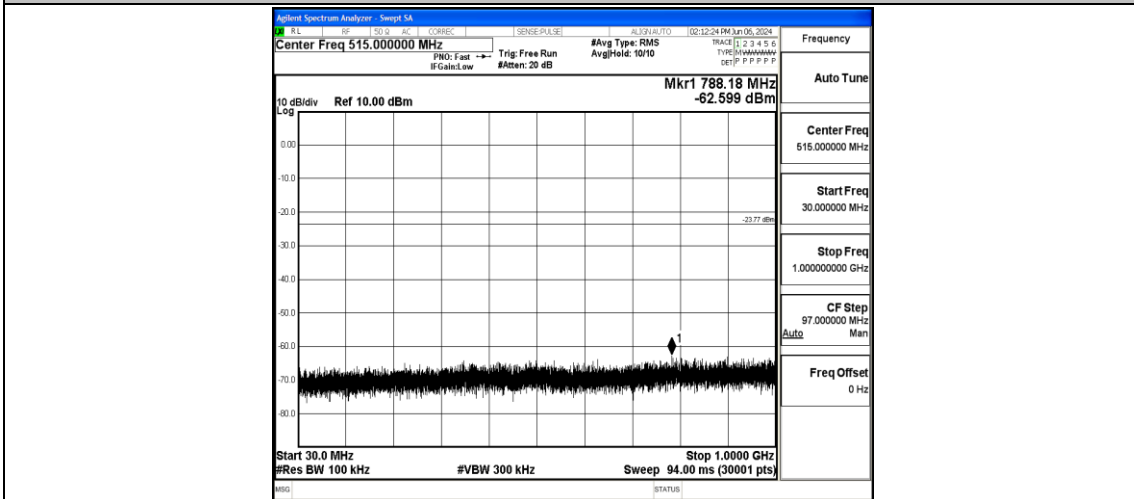
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.77	-3.77	---	PASS
DH5	Ant1	2402	30~1000	-3.77	-62.6	≤-23.77	PASS
DH5	Ant1	2402	1000~26500	-3.77	-50.58	≤-23.77	PASS
DH5	Ant1	2441	0~Reference	-3.89	-3.89	---	PASS
DH5	Ant1	2441	30~1000	-3.89	-62.87	≤-23.89	PASS
DH5	Ant1	2441	1000~26500	-3.89	-50.88	≤-23.89	PASS
DH5	Ant1	2480	0~Reference	-4.76	-4.76	---	PASS
DH5	Ant1	2480	30~1000	-4.76	-62.31	≤-24.76	PASS
DH5	Ant1	2480	1000~26500	-4.76	-49.68	≤-24.76	PASS
2DH5	Ant1	2402	0~Reference	-5.06	-5.06	---	PASS
2DH5	Ant1	2402	30~1000	-5.06	-60.87	≤-25.06	PASS
2DH5	Ant1	2402	1000~26500	-5.06	-50.1	≤-25.06	PASS
2DH5	Ant1	2441	0~Reference	-7.58	-7.58	---	PASS
2DH5	Ant1	2441	30~1000	-7.58	-62.97	≤-27.58	PASS
2DH5	Ant1	2441	1000~26500	-7.58	-50.28	≤-27.58	PASS
2DH5	Ant1	2480	0~Reference	-7.09	-7.09	---	PASS
2DH5	Ant1	2480	30~1000	-7.09	-62.03	≤-27.09	PASS
2DH5	Ant1	2480	1000~26500	-7.09	-50.76	≤-27.09	PASS
3DH5	Ant1	2402	0~Reference	-6.98	-6.98	---	PASS
3DH5	Ant1	2402	30~1000	-6.98	-62.52	≤-26.98	PASS
3DH5	Ant1	2402	1000~26500	-6.98	-50.56	≤-26.98	PASS
3DH5	Ant1	2441	0~Reference	-5.73	-5.73	---	PASS
3DH5	Ant1	2441	30~1000	-5.73	-62.64	≤-25.73	PASS
3DH5	Ant1	2441	1000~26500	-5.73	-50.58	≤-25.73	PASS
3DH5	Ant1	2480	0~Reference	-8.63	-8.63	---	PASS
3DH5	Ant1	2480	30~1000	-8.63	-62.27	≤-28.63	PASS
3DH5	Ant1	2480	1000~26500	-8.63	-50.02	≤-28.63	PASS

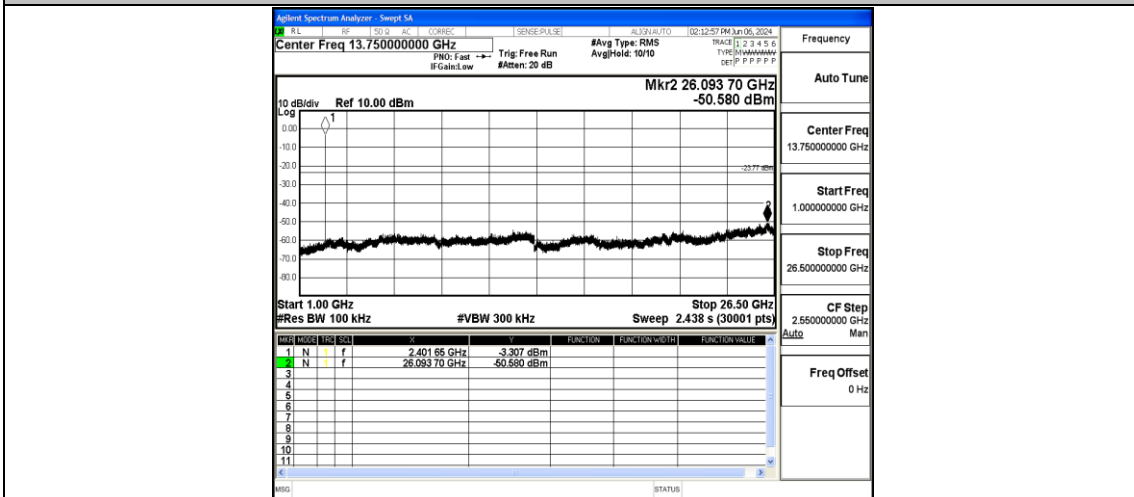
Test Graphs



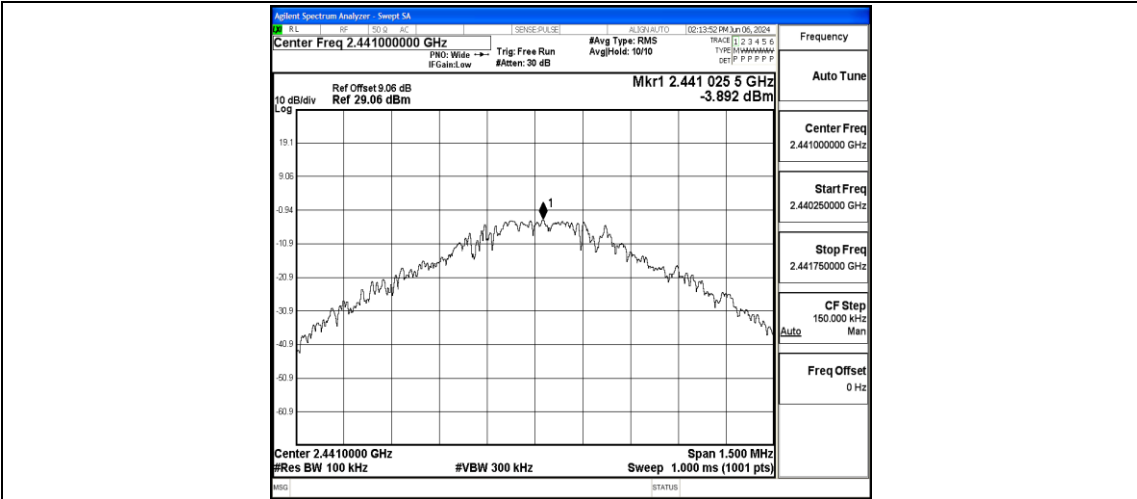
DH5-Ant1-2402-0~Reference-PASS



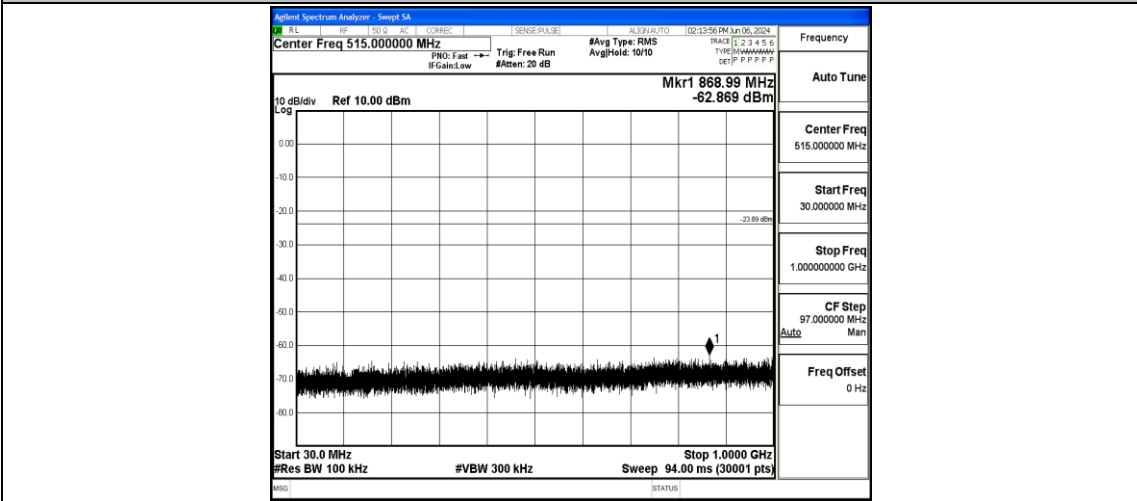
DH5-Ant1-2402-30~1000-PASS



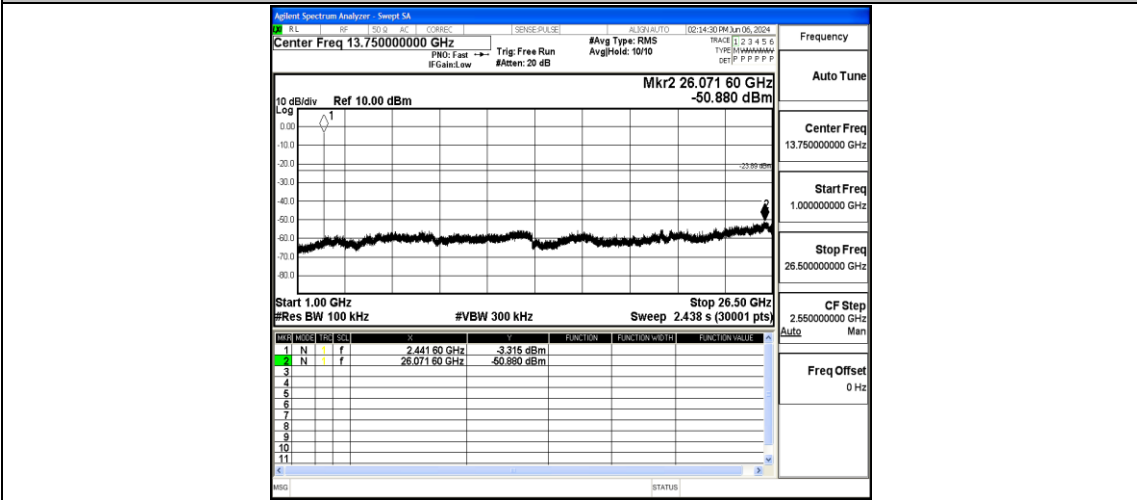
DH5-Ant1-2402-1000~26500-PASS



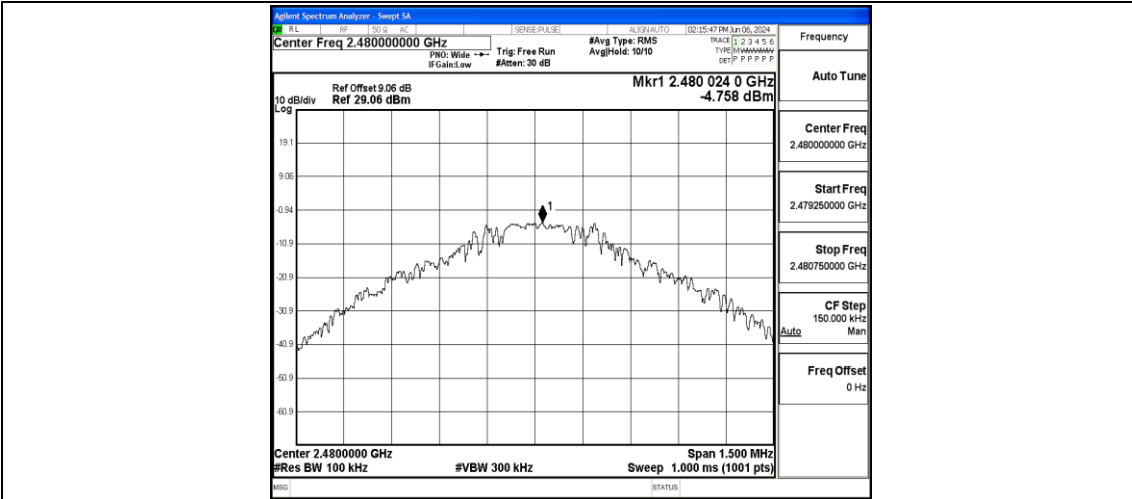
DH5-Ant1-2441-0~Reference-PASS



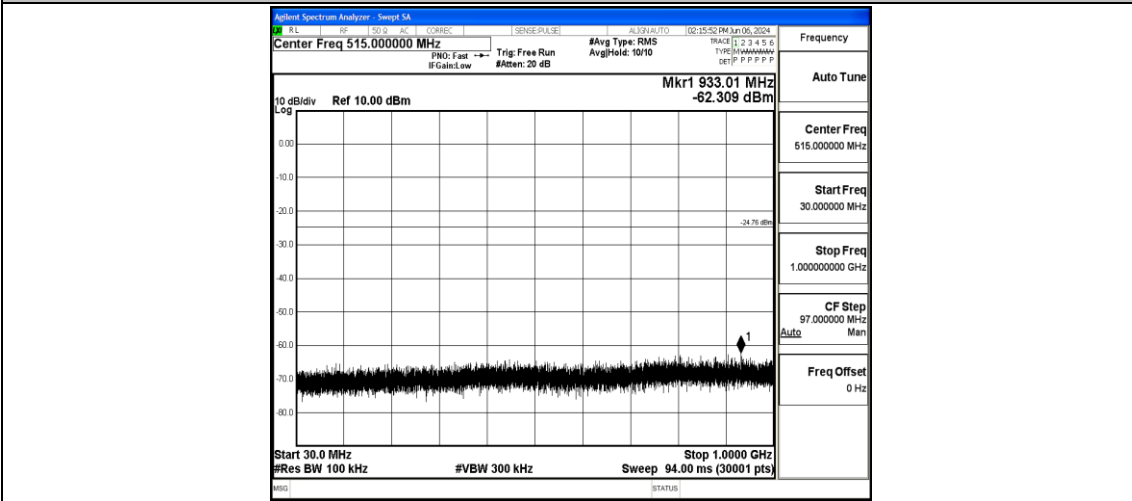
DH5-Ant1-2441-30~1000-PASS



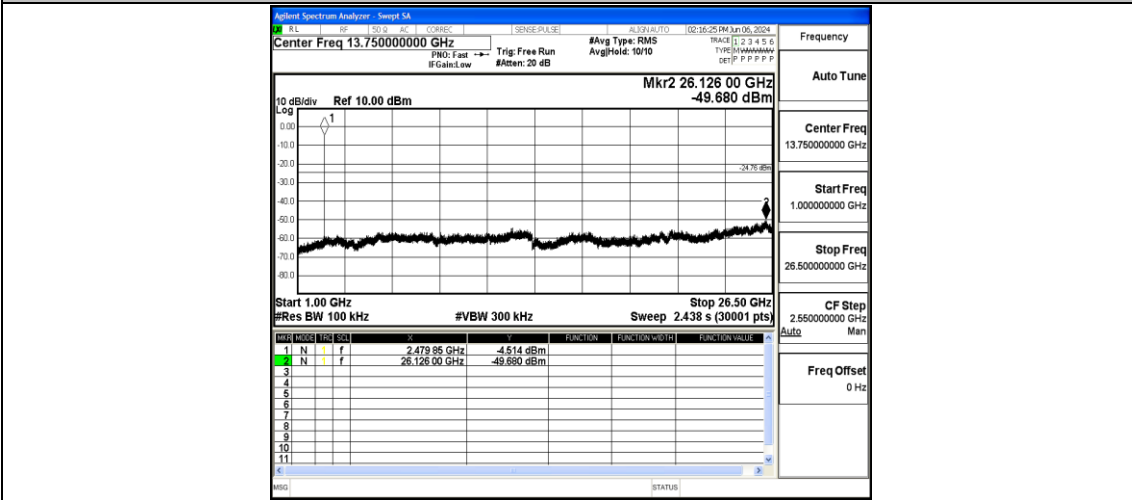
DH5-Ant1-2441-1000~26500-PASS



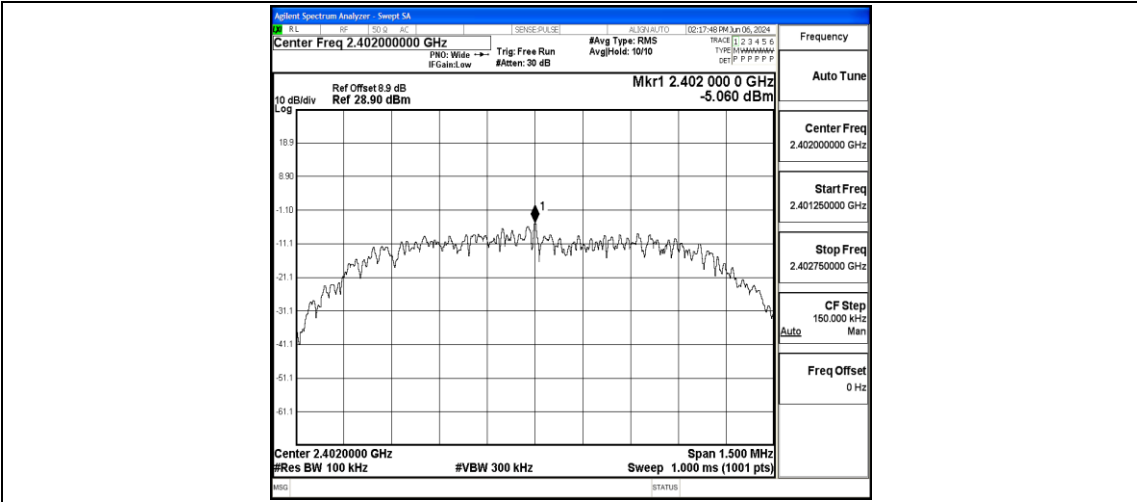
DH5-Ant1-2480-0~Reference-PASS



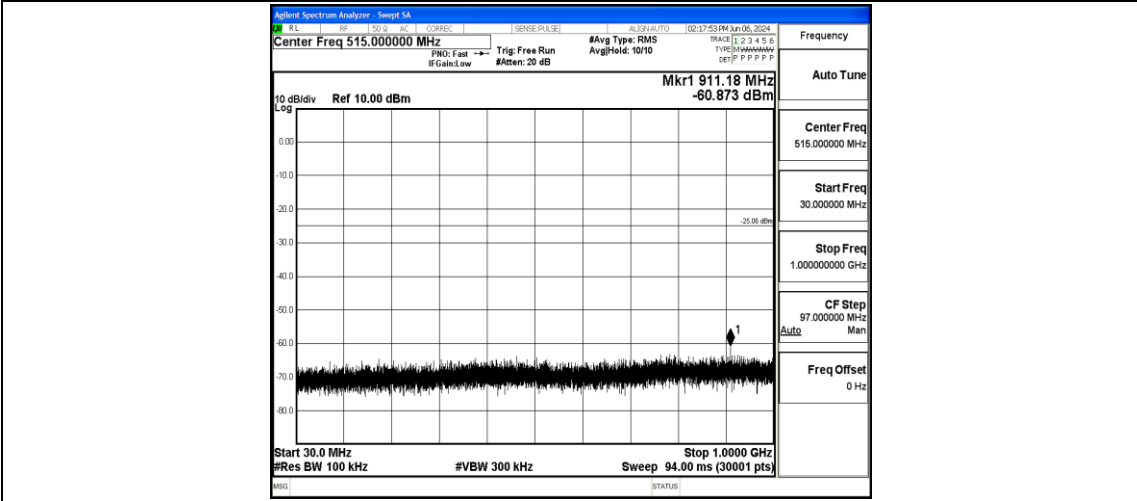
DH5-Ant1-2480-30~1000-PASS



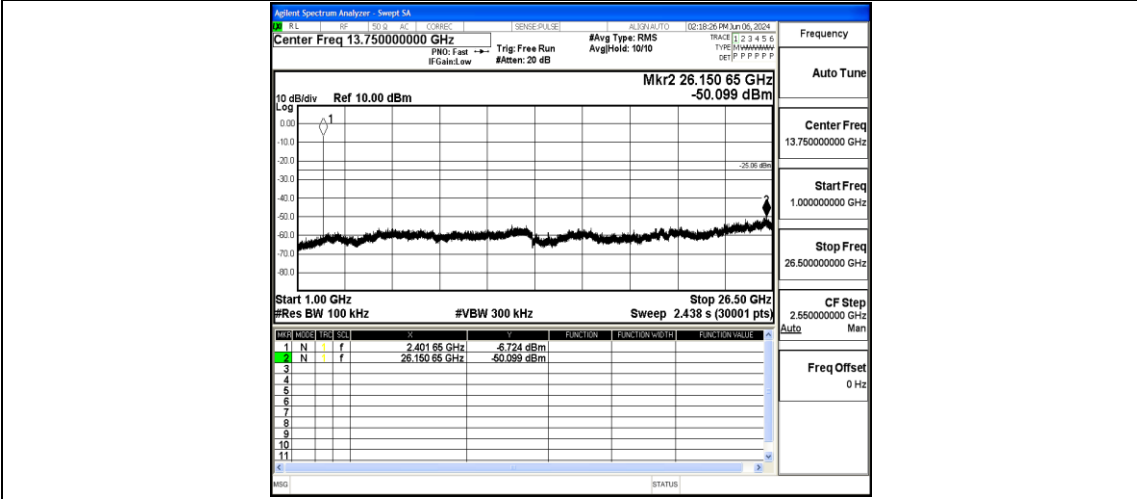
DH5-Ant1-2480-1000~26500-PASS



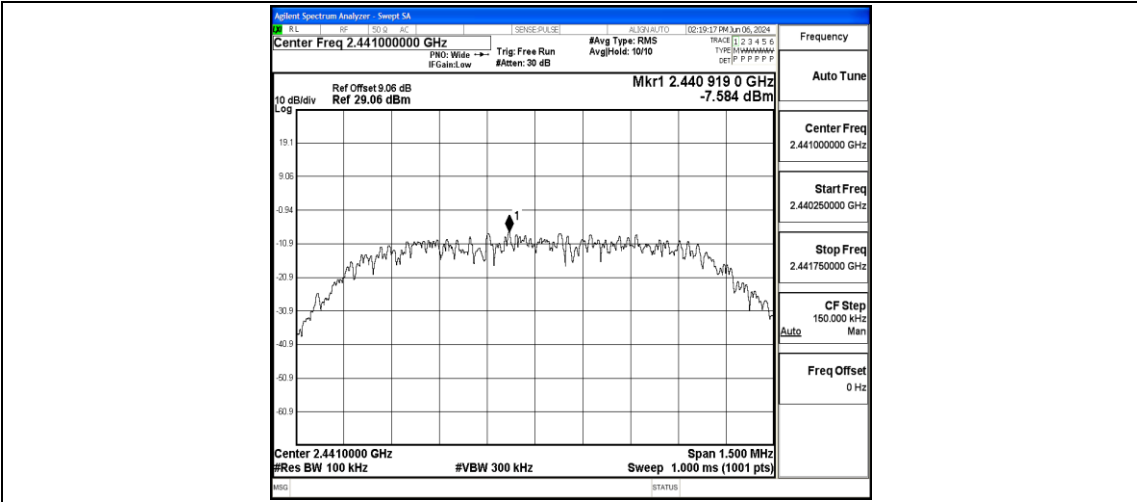
2DH5-Ant1-2402-0~Reference-PASS



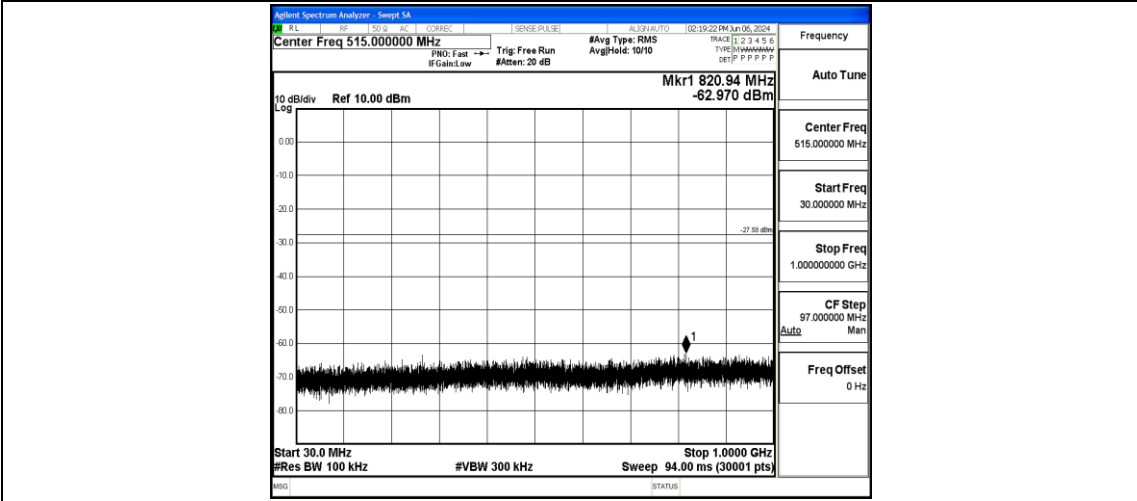
2DH5-Ant1-2402-30~1000-PASS



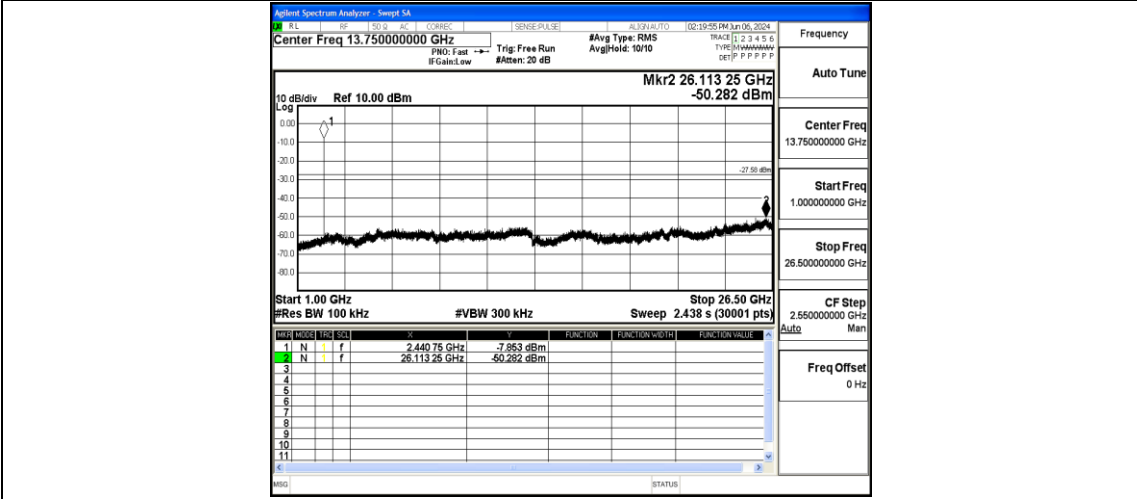
2DH5-Ant1-2402-1000~26500-PASS



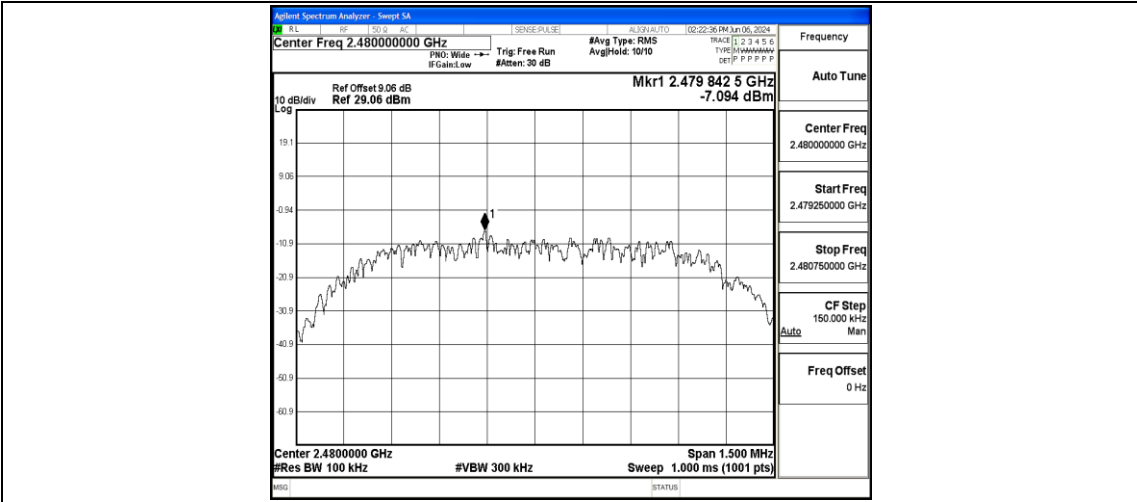
2DH5-Ant1-2441-0~Reference-PASS



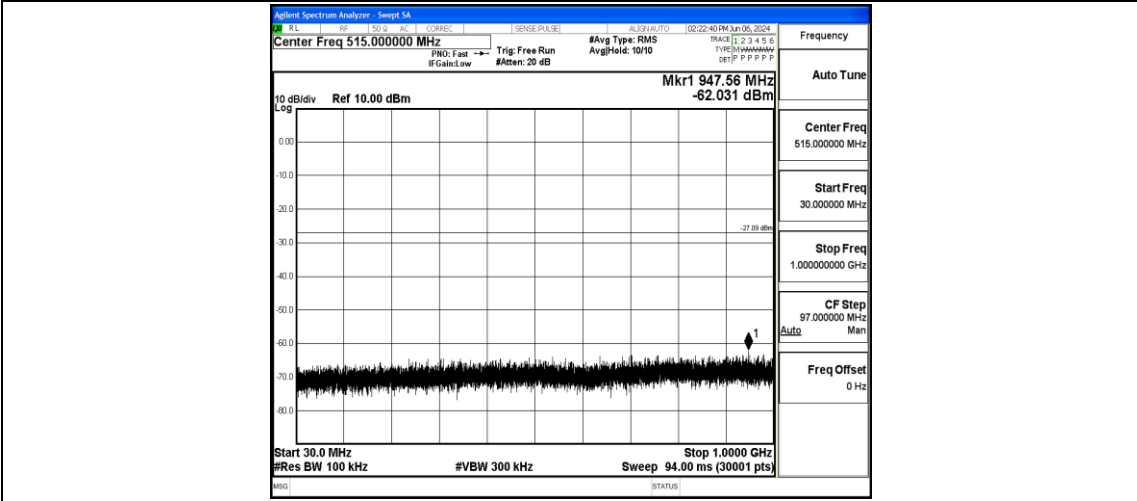
2DH5-Ant1-2441-30~1000-PASS



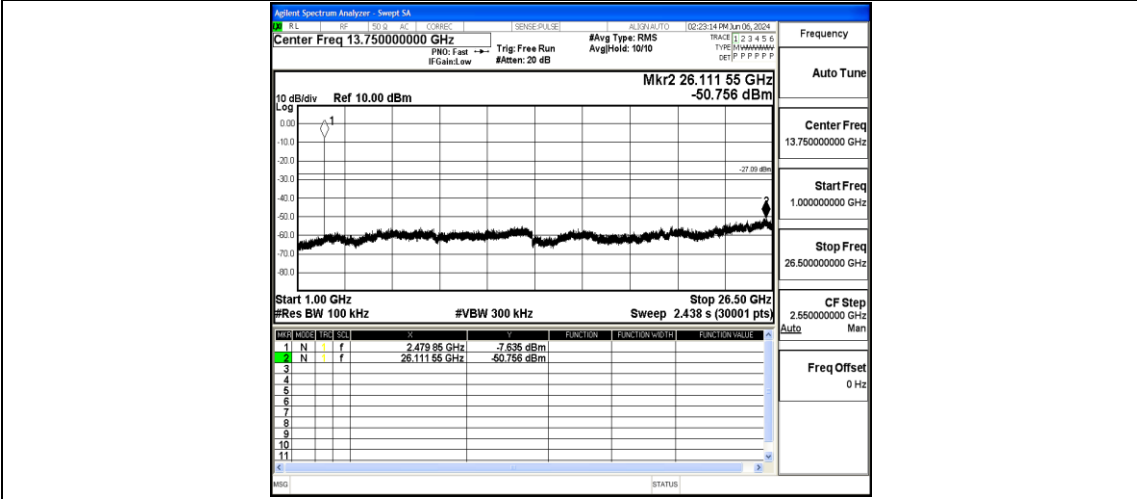
2DH5-Ant1-2441-1000~26500-PASS



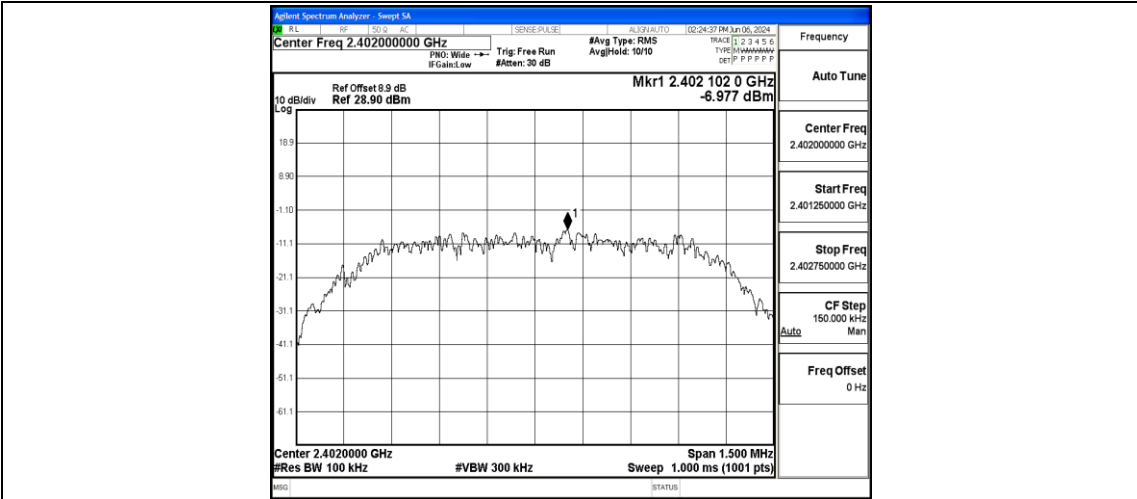
2DH5-Ant1-2480-0~Reference-PASS



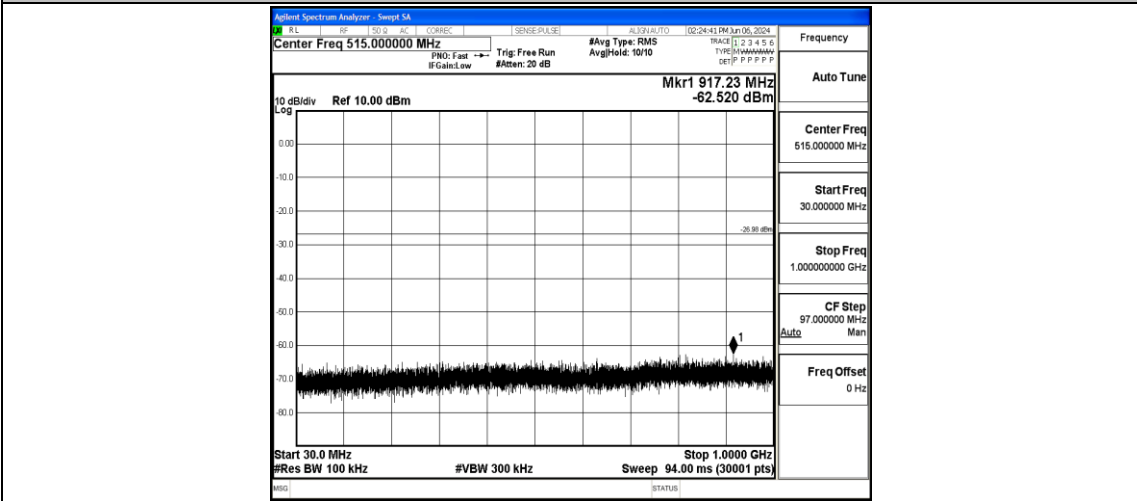
2DH5-Ant1-2480-30~1000-PASS



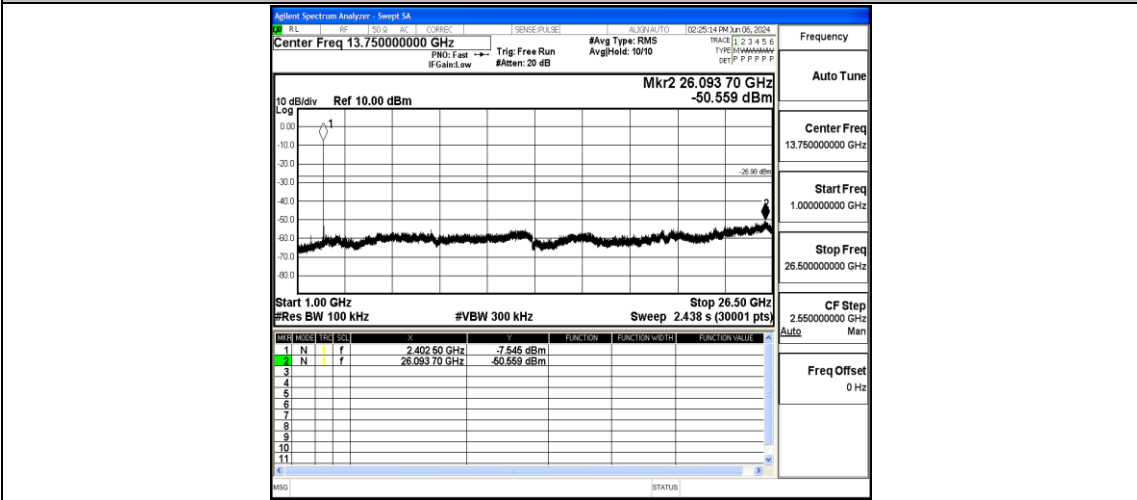
2DH5-Ant1-2480-1000~26500-PASS



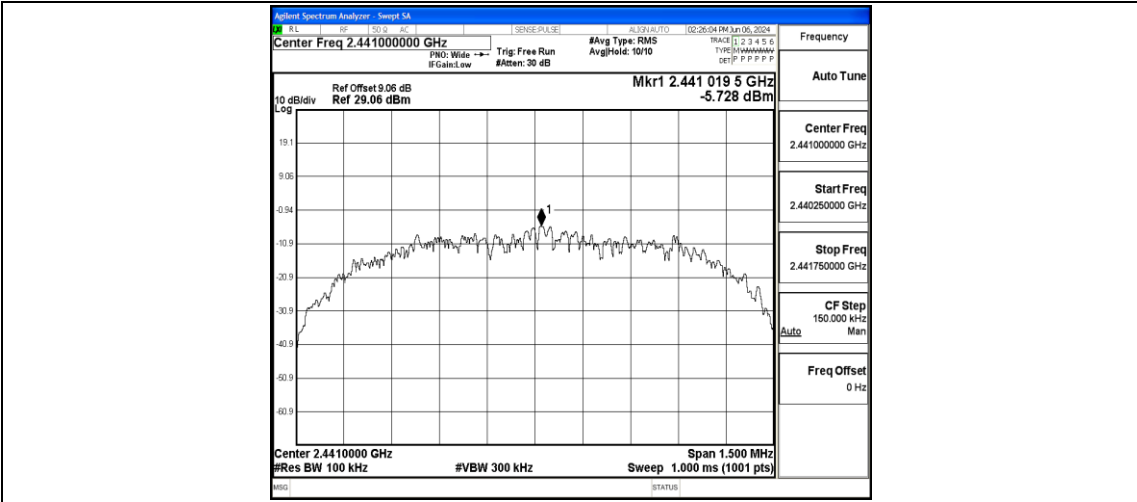
3DH5-Ant1-2402-0~Reference-PASS



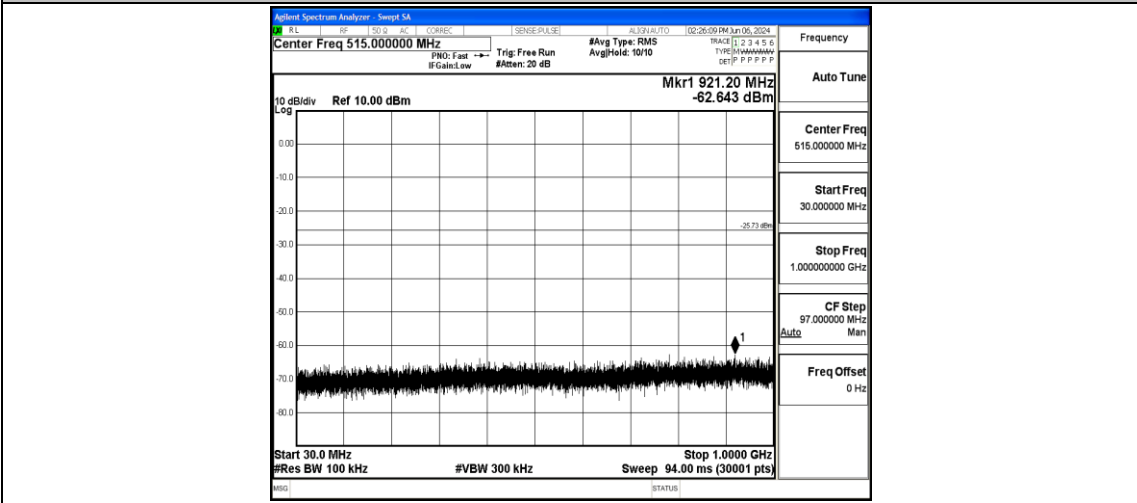
3DH5-Ant1-2402-30~1000-PASS



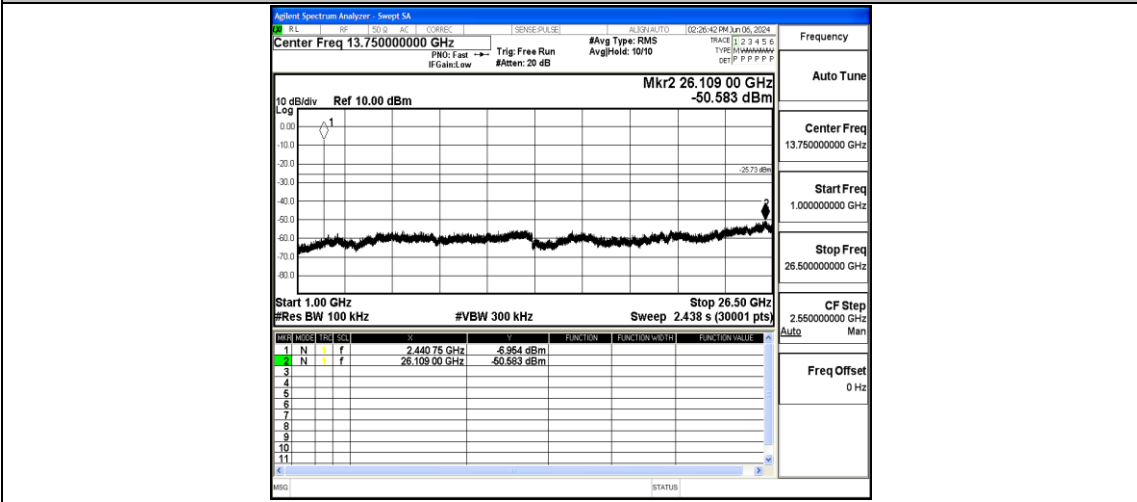
3DH5-Ant1-2402-1000~26500-PASS



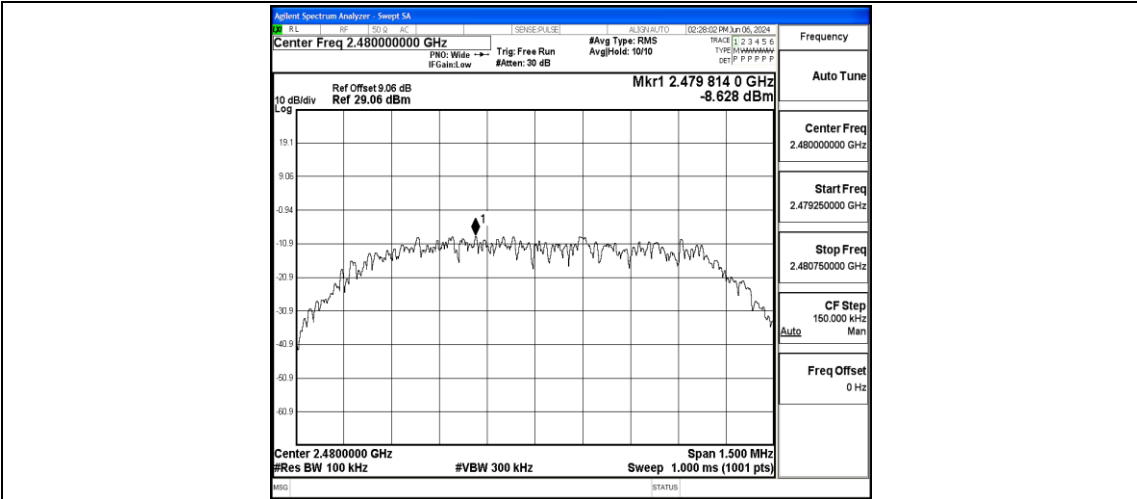
3DH5-Ant1-2441-0~Reference-PASS



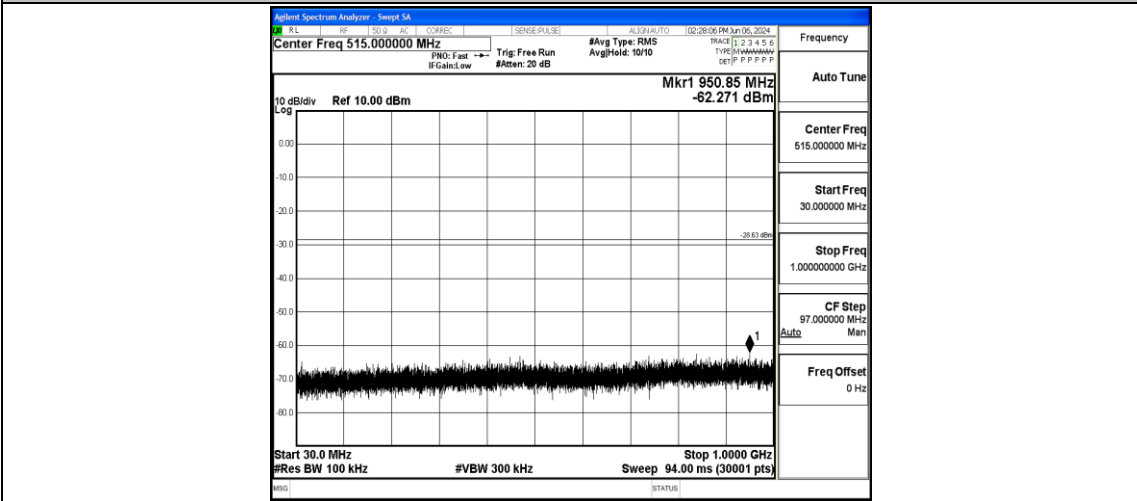
3DH5-Ant1-2441-30~1000-PASS



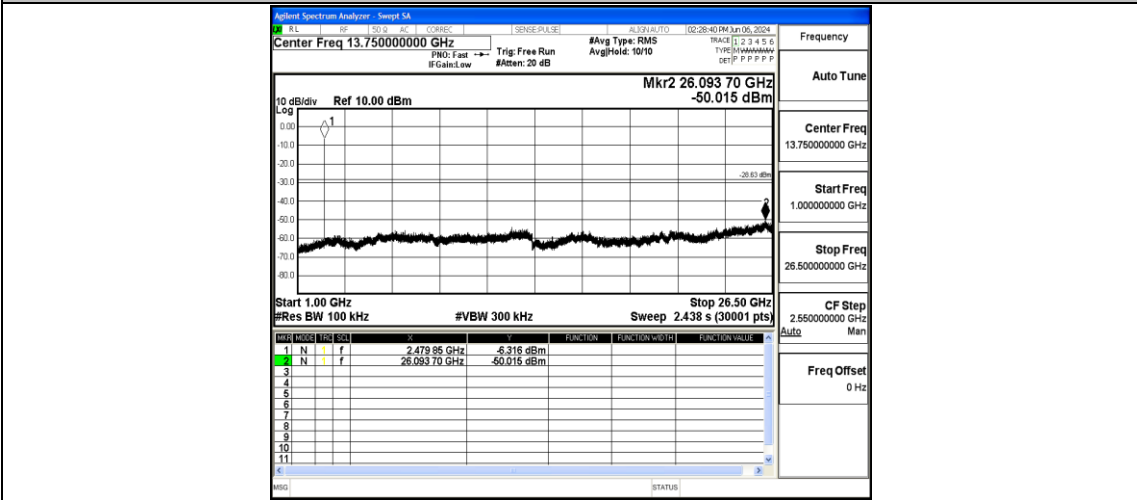
3DH5-Ant1-2441-1000~26500-PASS



3DH5-Ant1-2480-0~Reference-PASS



3DH5-Ant1-2480-30~1000-PASS



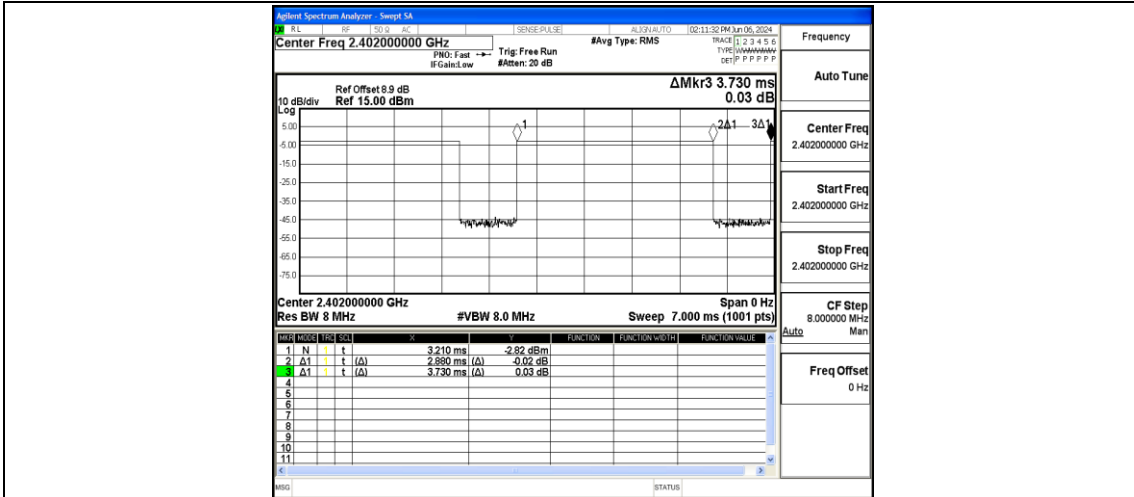
3DH5-Ant1-2480-1000~26500-PASS

Appendix I: Duty Cycle

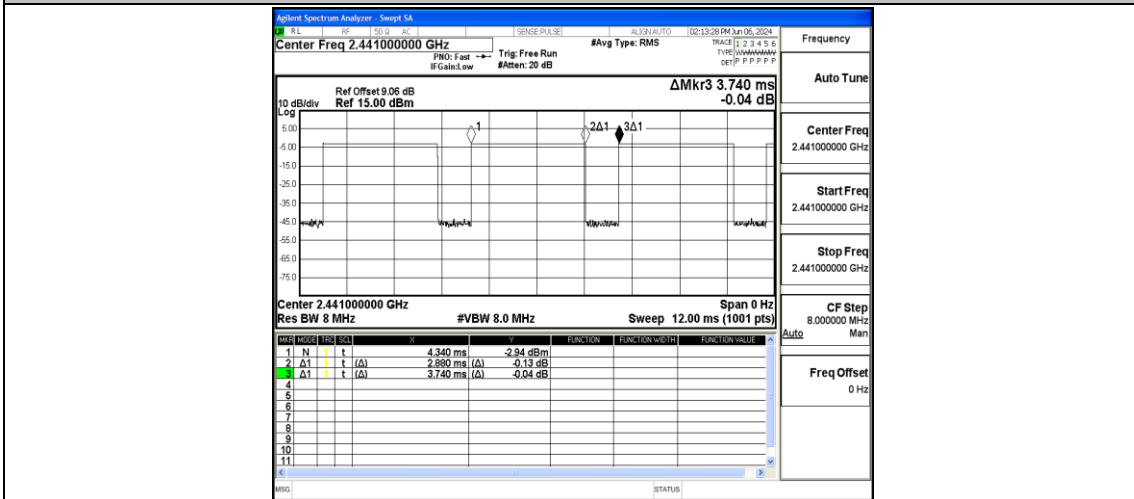
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.73	77.21	1.12
DH5	Ant1	2441	2.88	3.74	77.01	1.13
DH5	Ant1	2480	2.88	3.72	77.42	1.11
2DH5	Ant1	2402	2.89	3.73	77.48	1.11
2DH5	Ant1	2441	2.88	3.73	77.21	1.12
2DH5	Ant1	2480	2.89	3.74	77.27	1.12
3DH5	Ant1	2402	2.89	3.73	77.48	1.11
3DH5	Ant1	2441	2.88	3.73	77.21	1.12
3DH5	Ant1	2480	2.89	3.73	77.48	1.11

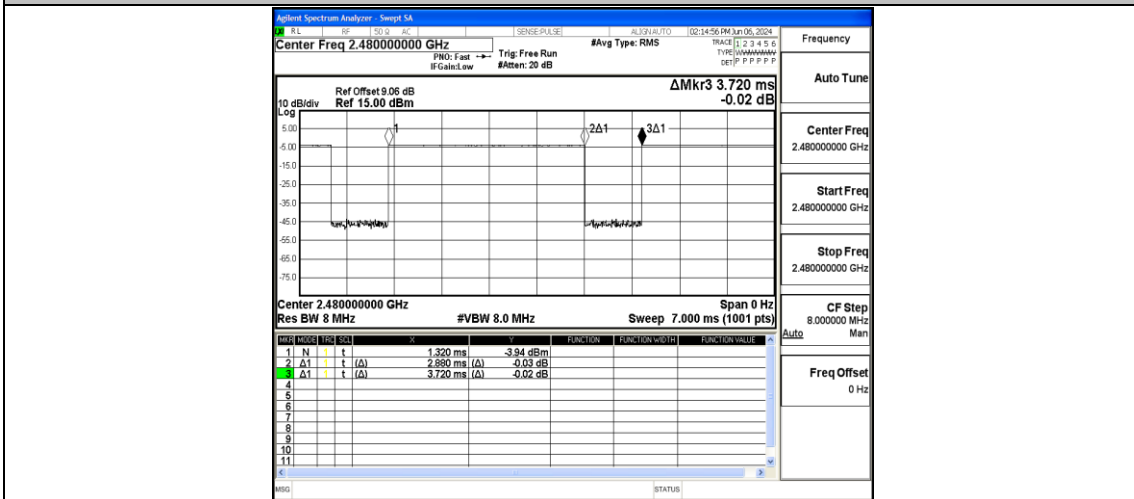
Test Graphs



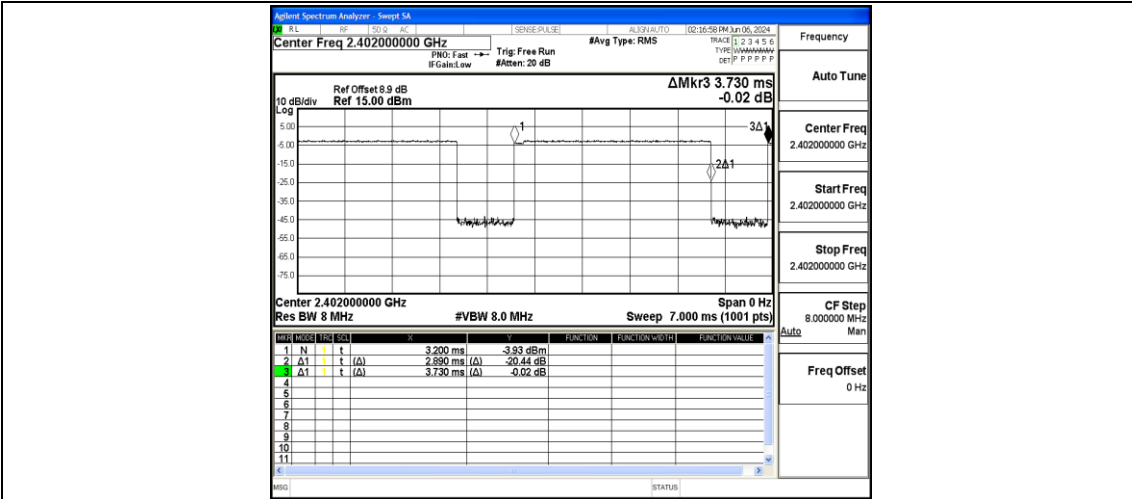
NTNV-DH5-Ant1-2402



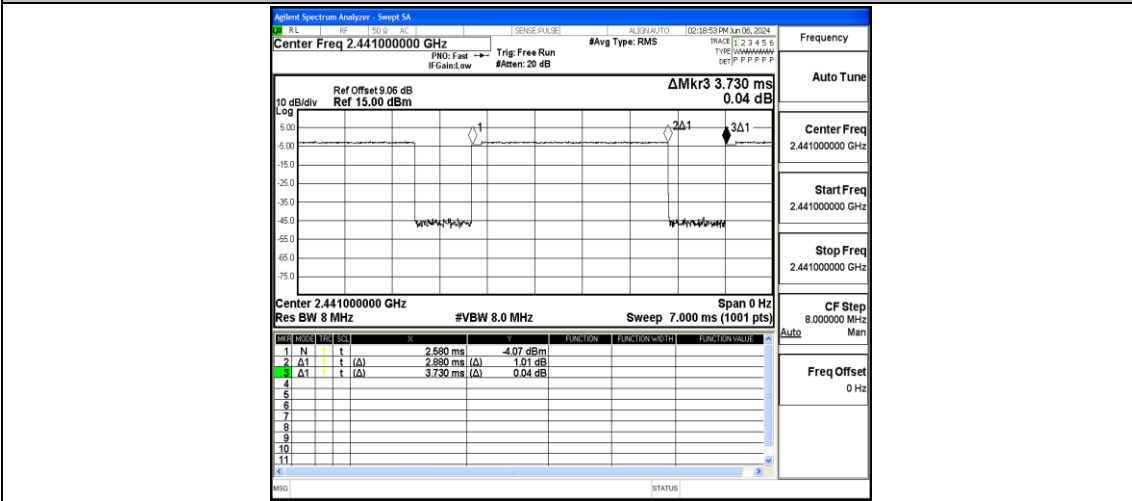
NTNV-DH5-Ant1-2441



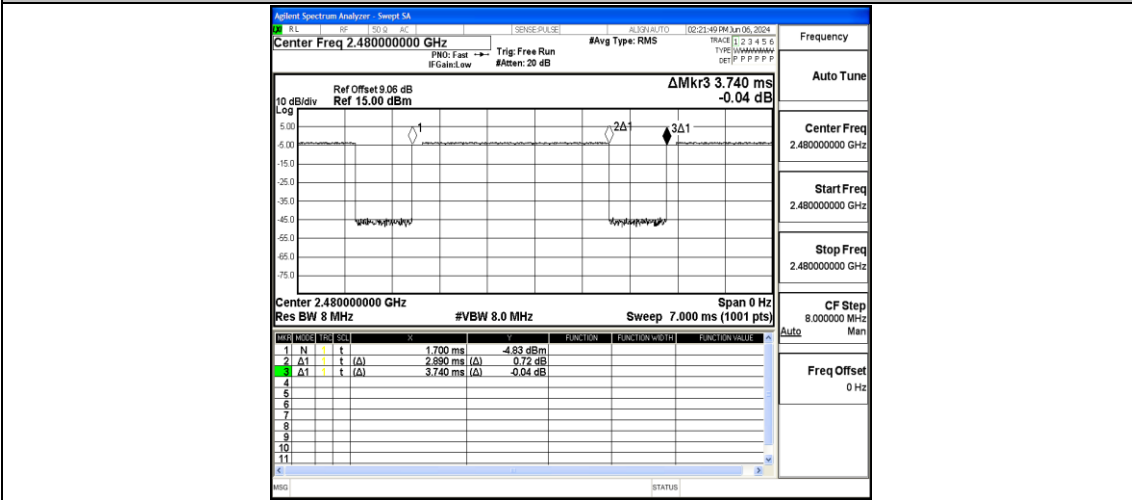
NTNV-DH5-Ant1-2480



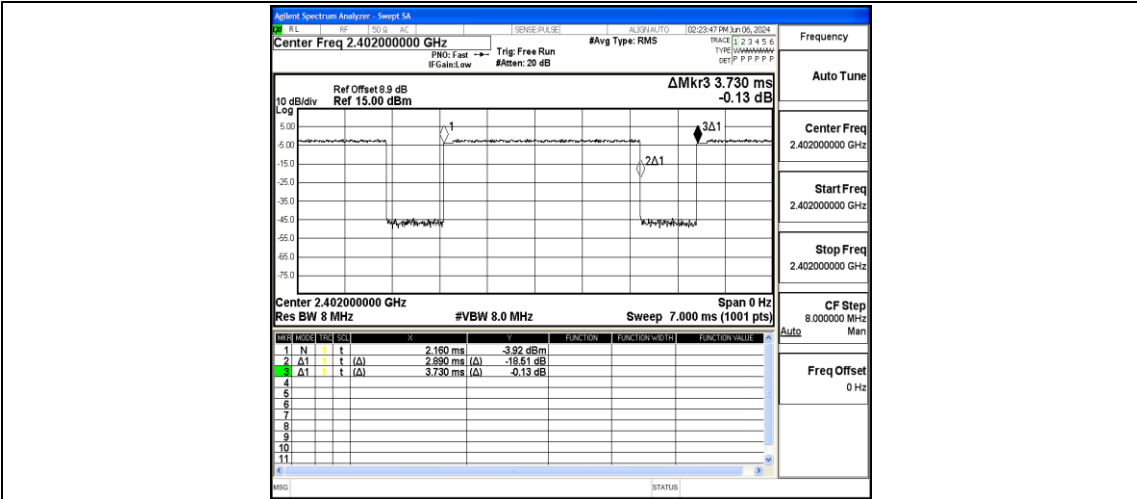
NTNV-2DH5-Ant1-2402



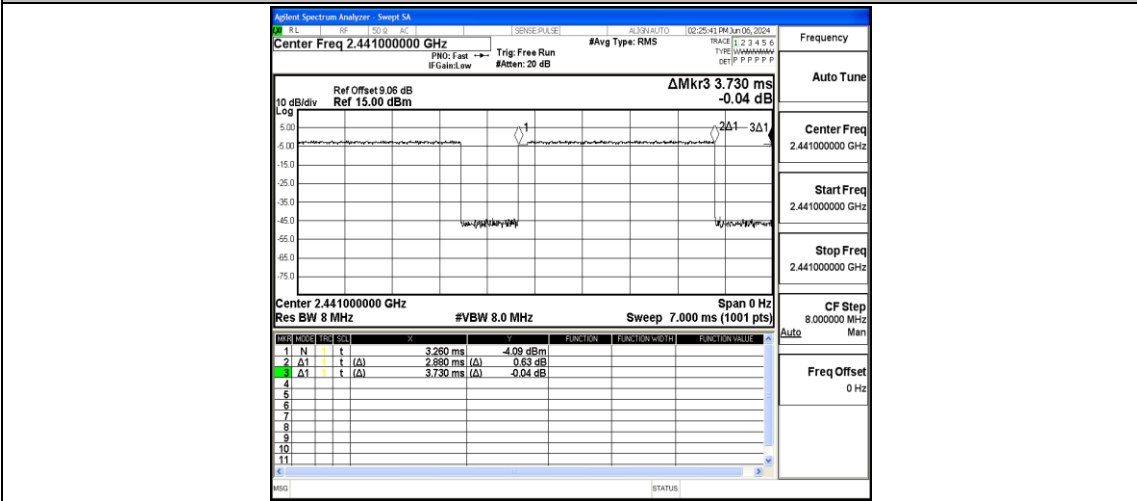
NTNV-2DH5-Ant1-2441



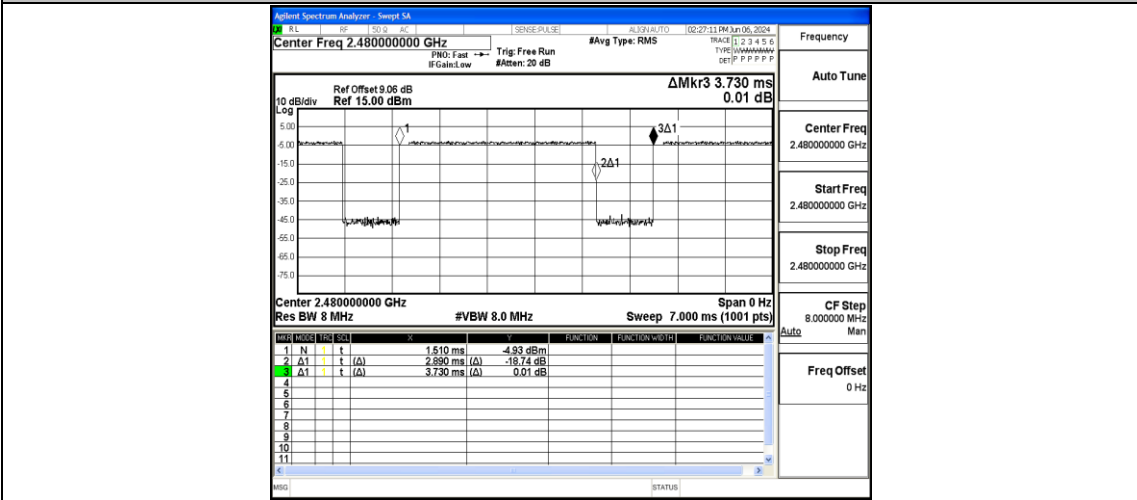
NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480