

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

Product Name: True wireless headphones

Trade Mark: N/A

Test Model: DM02

FCC ID: 2BHGK-DM02

Environmental Conditions

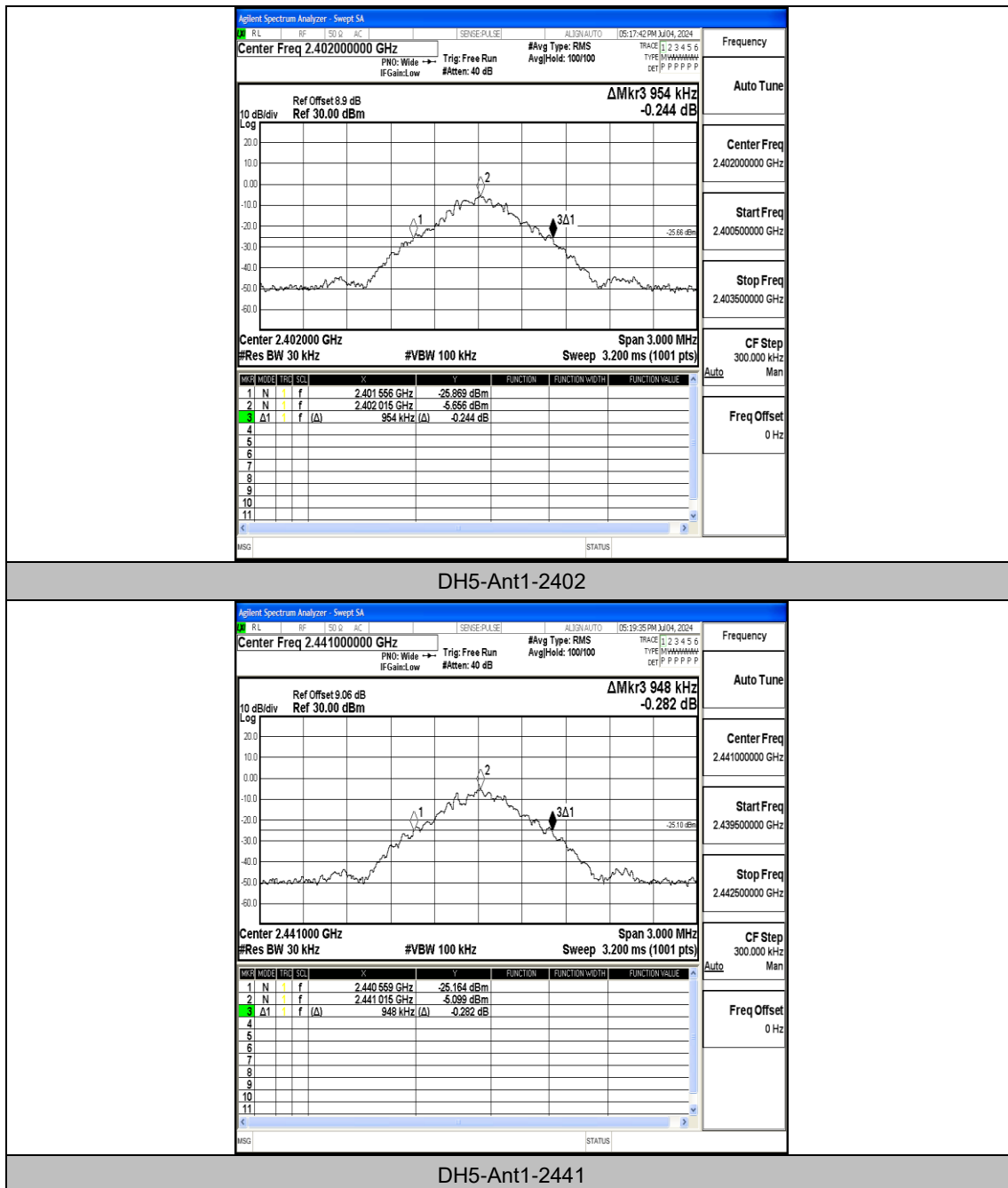
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

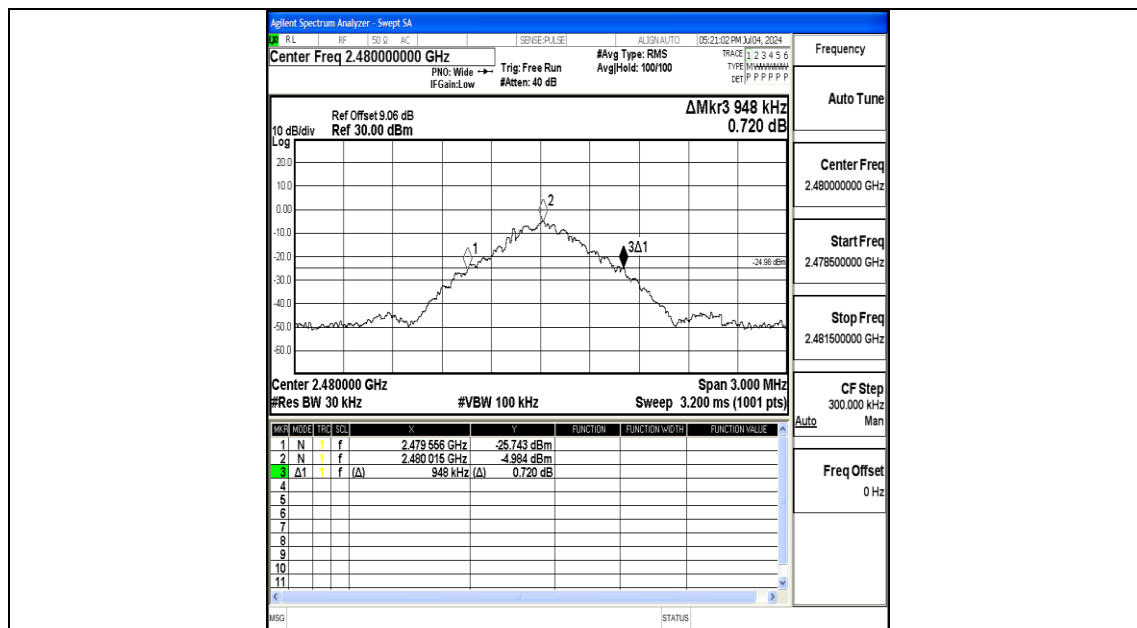
Appendix A: 20dB Emission Bandwidth

Test Result

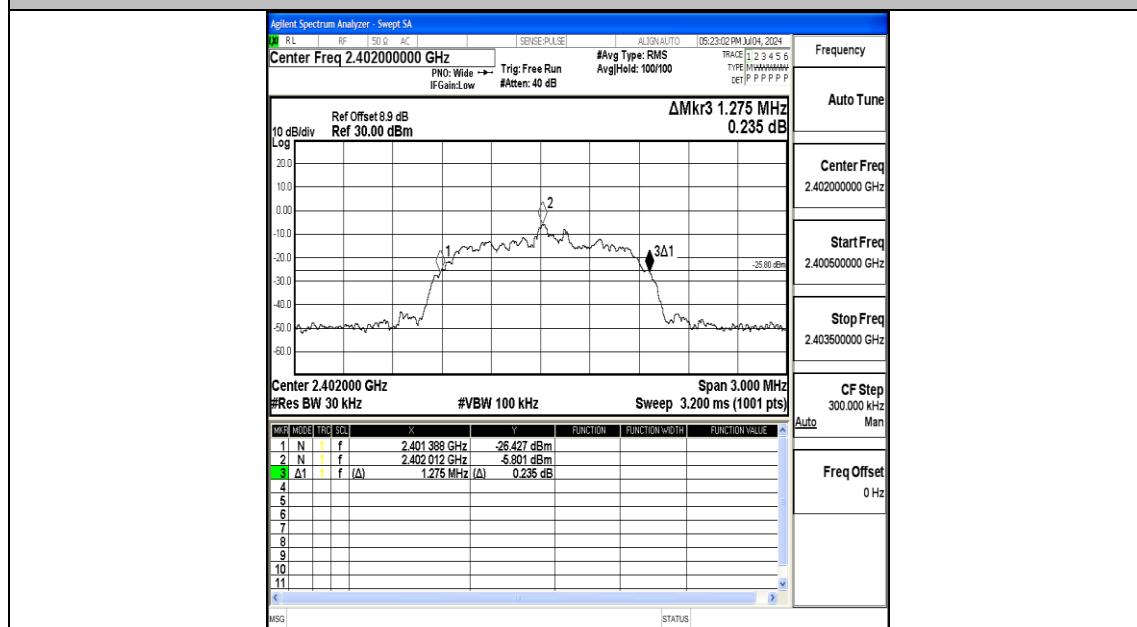
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.556	2402.510	---	---
DH5	Ant1	2441	0.948	2440.559	2441.507	---	---
DH5	Ant1	2480	0.948	2479.556	2480.504	---	---
2DH5	Ant1	2402	1.275	2401.388	2402.663	---	---
2DH5	Ant1	2441	1.278	2440.385	2441.663	---	---
2DH5	Ant1	2480	1.281	2479.388	2480.669	---	---
3DH5	Ant1	2402	1.278	2401.373	2402.651	---	---
3DH5	Ant1	2441	1.302	2440.376	2441.678	---	---
3DH5	Ant1	2480	1.299	2479.370	2480.669	---	---

Test Graphs

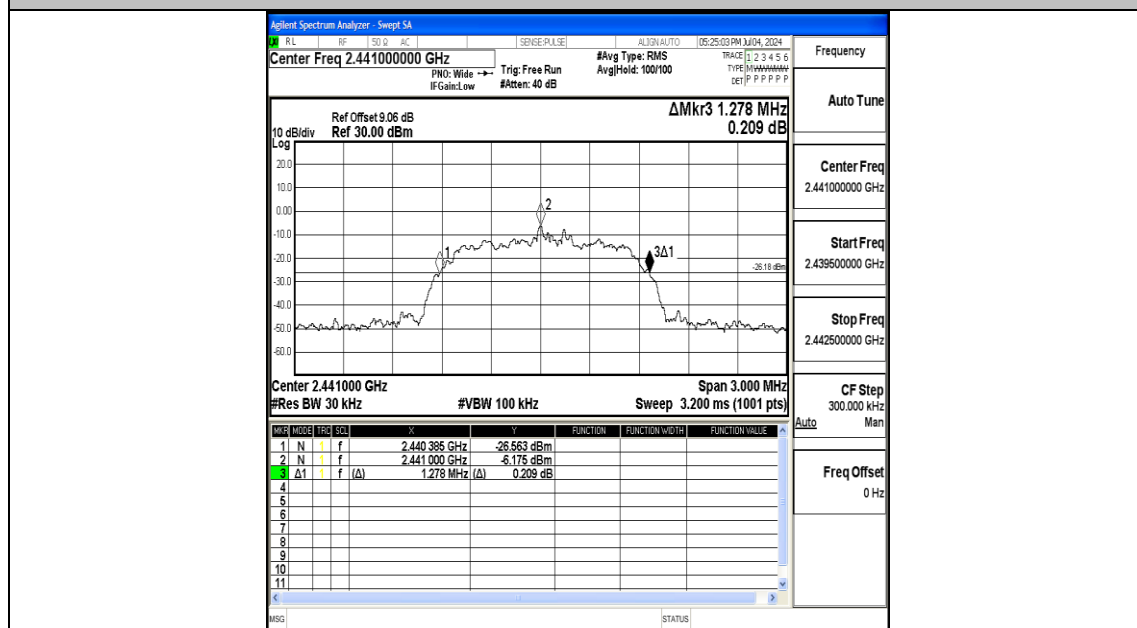




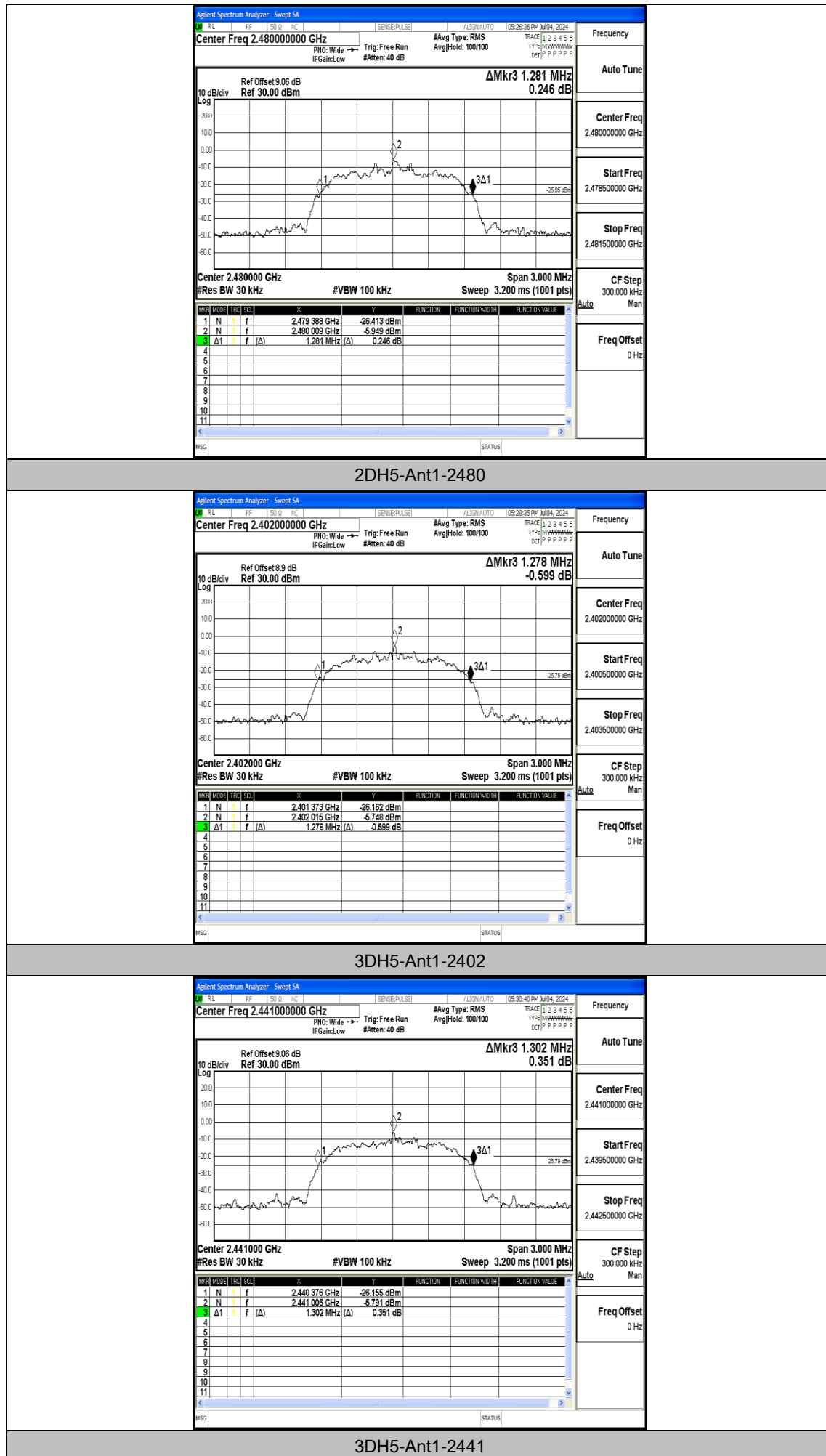
DH5-Ant1-2480

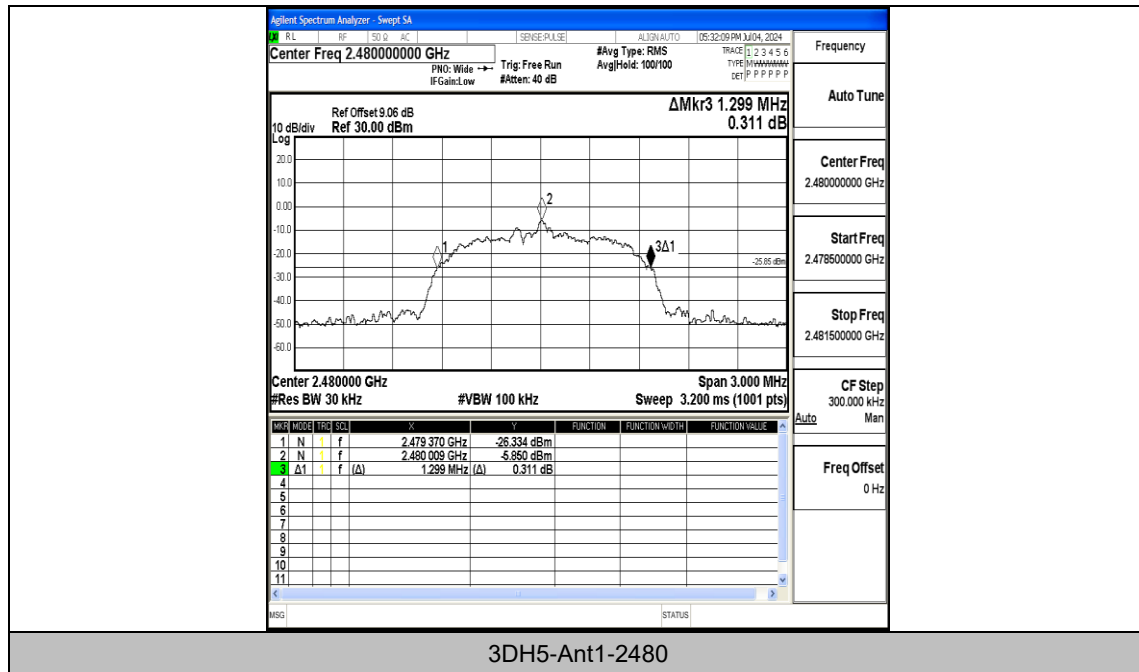


2DH5-Ant1-2402



2DH5-Ant1-2441



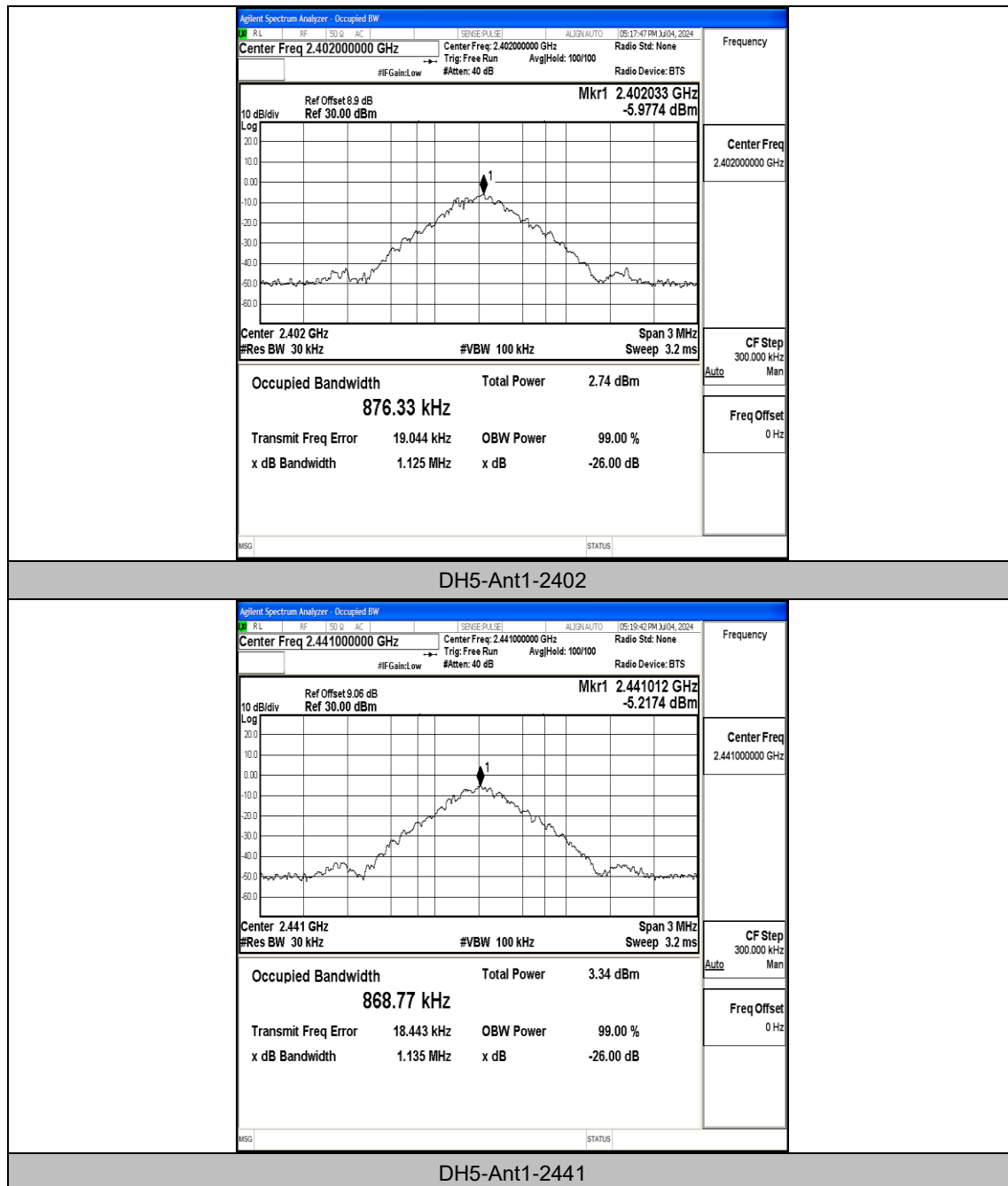


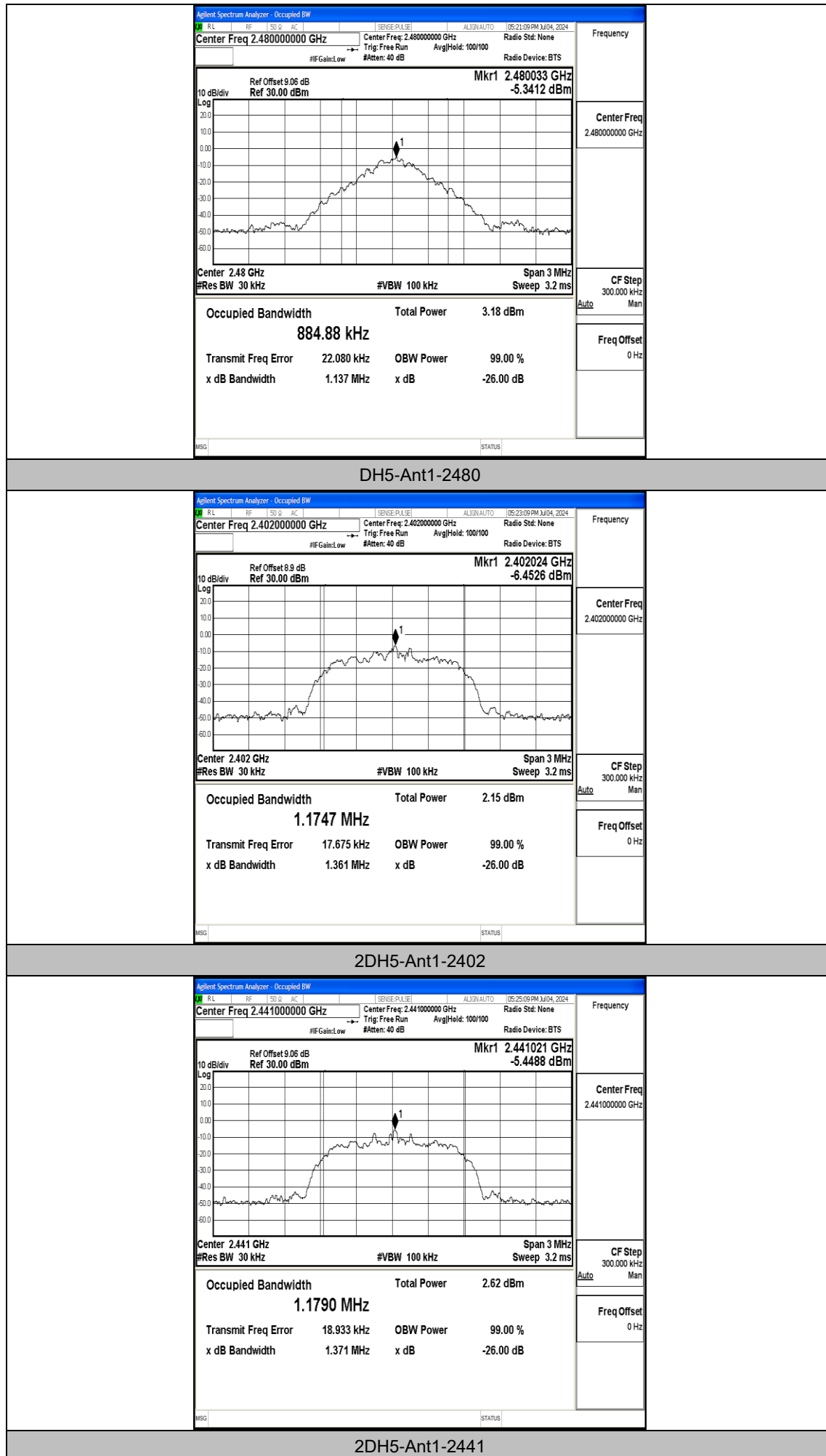
Appendix B: Occupied Channel Bandwidth

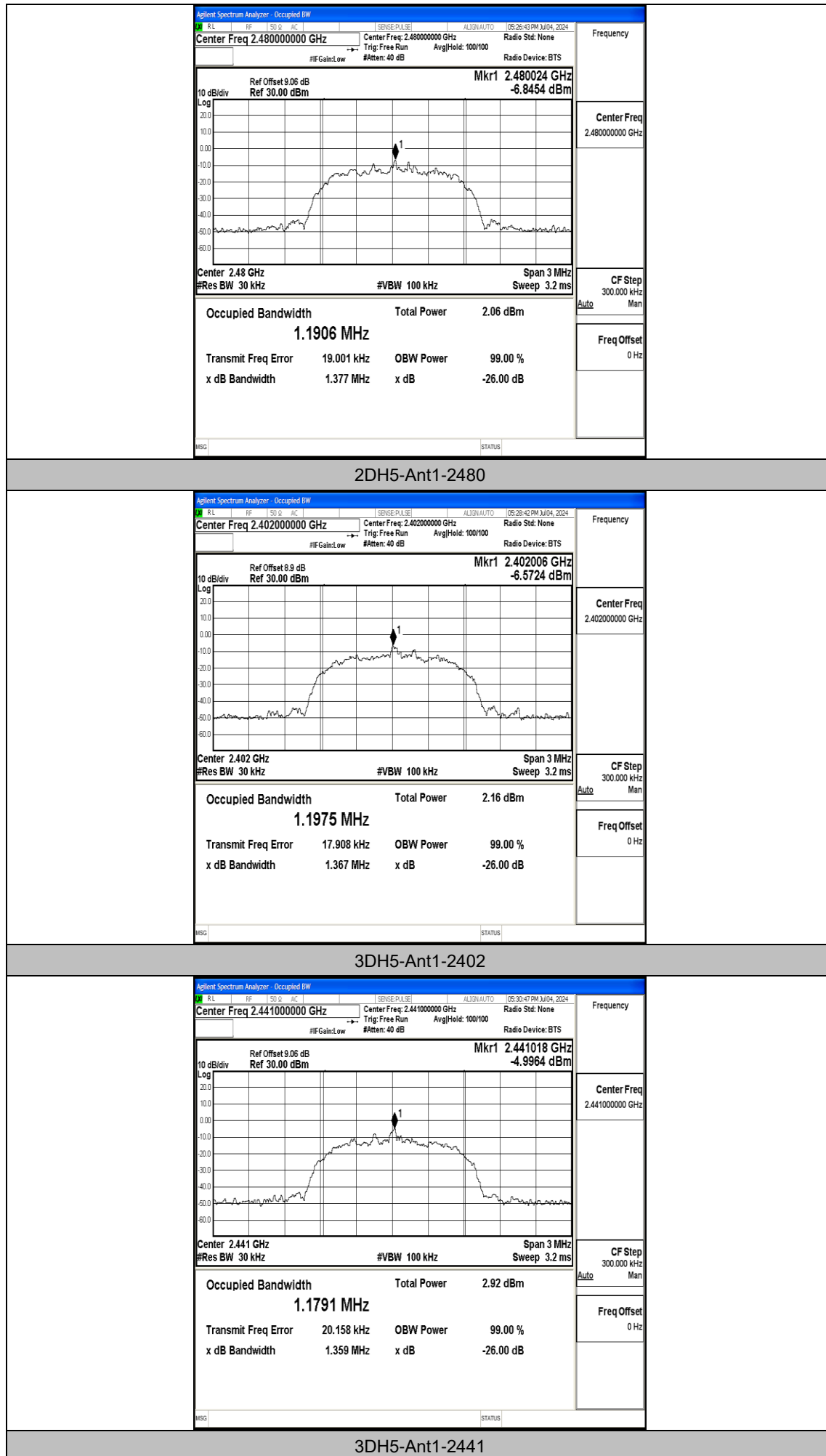
Test Result

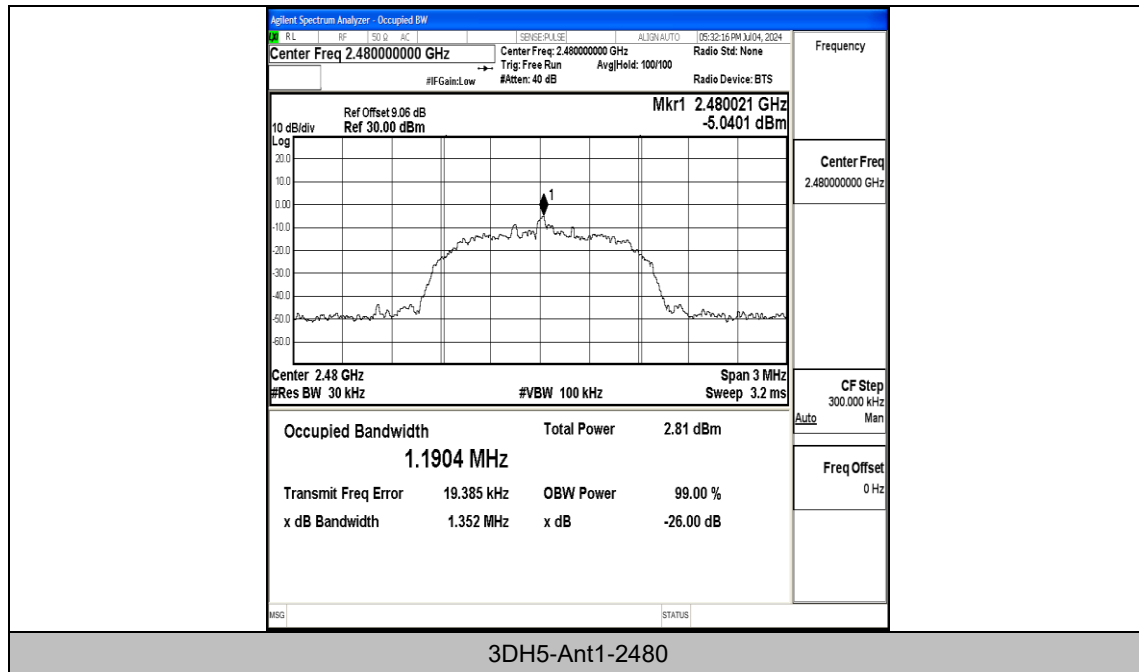
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87633	2401.5809	2402.4572	---	---
DH5	Ant1	2441	0.86877	2440.5841	2441.4528	---	---
DH5	Ant1	2480	0.88488	2479.5796	2480.4645	---	---
2DH5	Ant1	2402	1.1747	2401.4303	2402.6050	---	---
2DH5	Ant1	2441	1.1790	2440.4294	2441.6084	---	---
2DH5	Ant1	2480	1.1906	2479.4237	2480.6143	---	---
3DH5	Ant1	2402	1.1975	2401.4192	2402.6167	---	---
3DH5	Ant1	2441	1.1791	2440.4306	2441.6097	---	---
3DH5	Ant1	2480	1.1904	2479.4242	2480.6146	---	---

Test Graphs







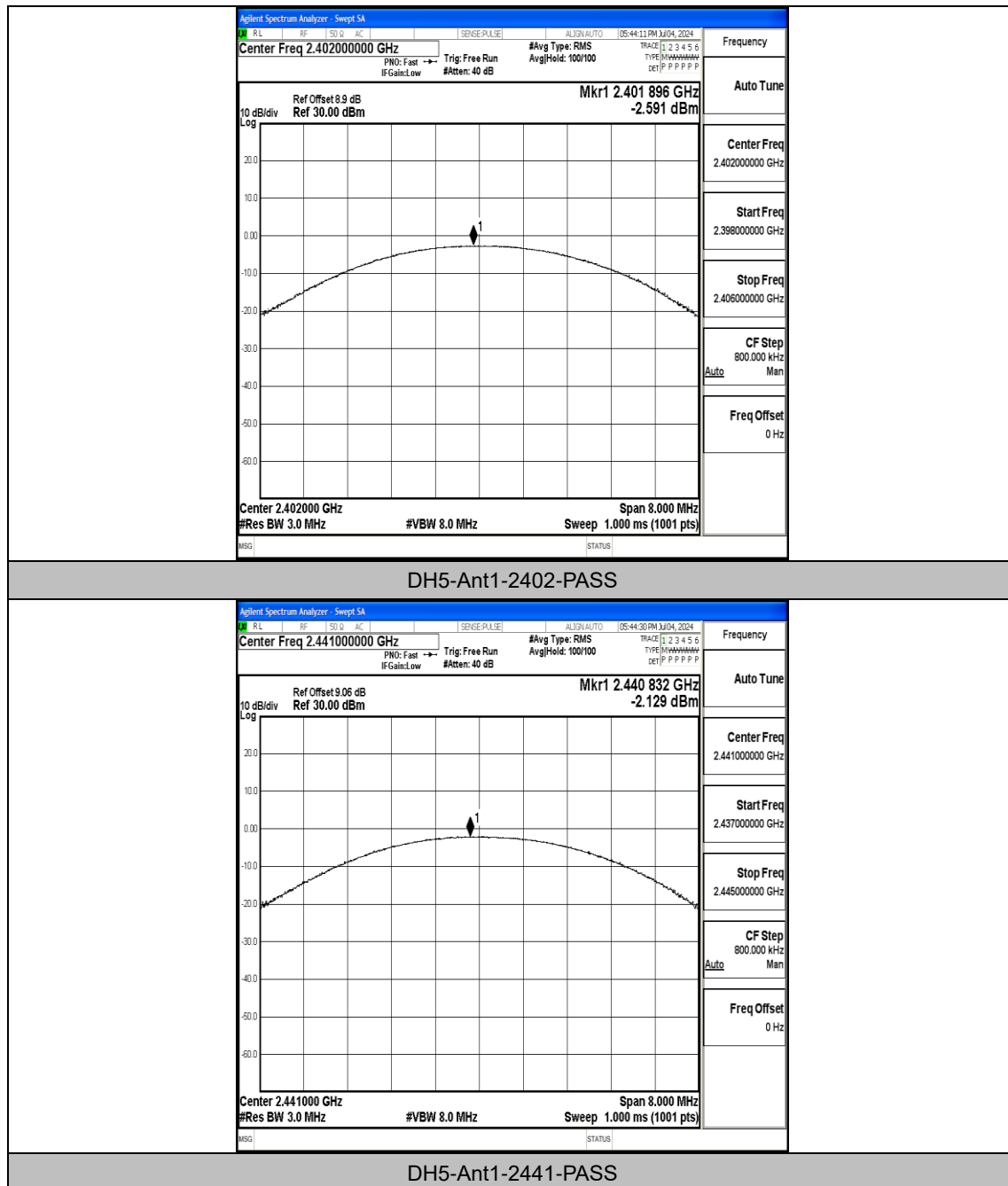


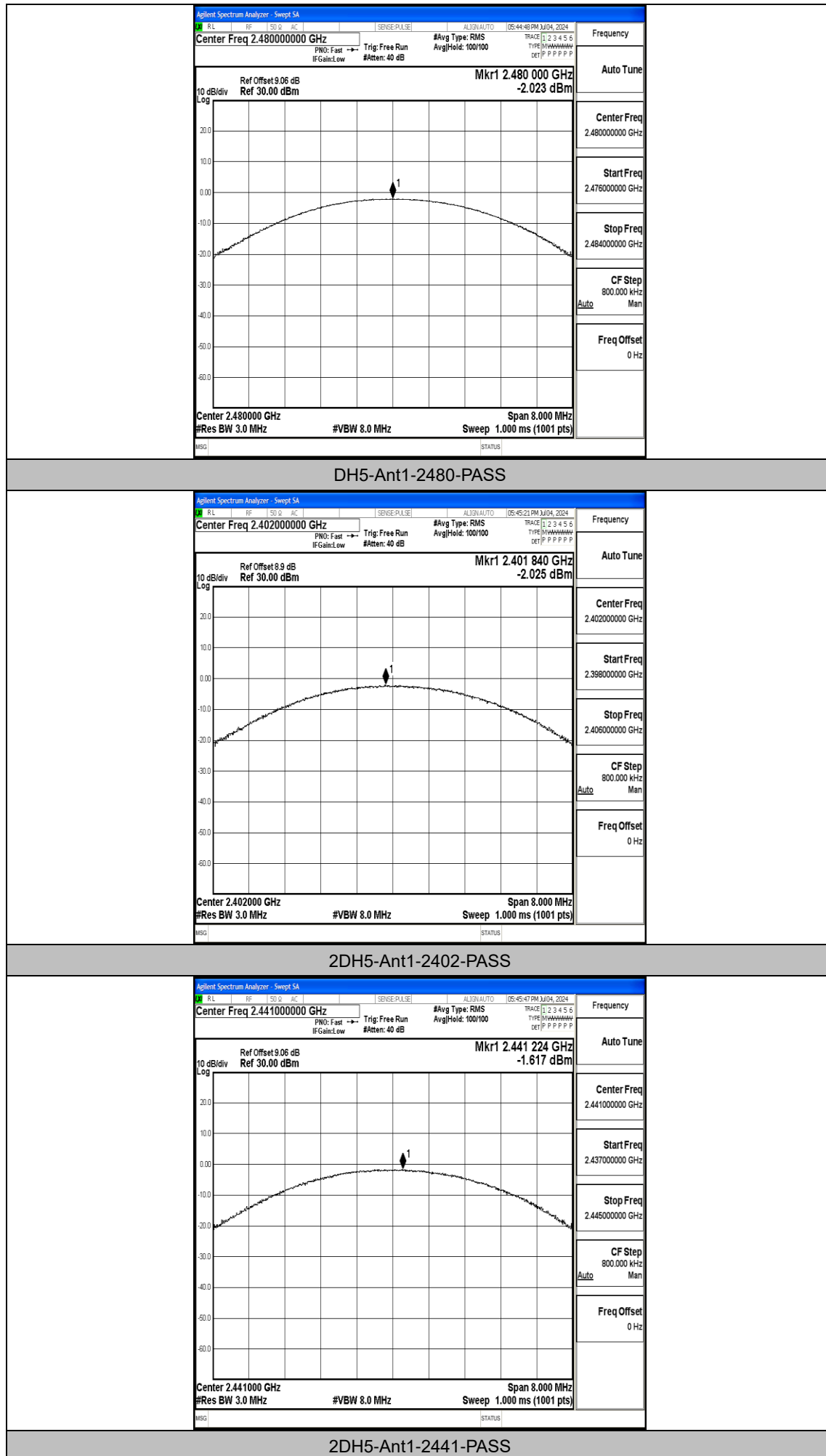
Appendix C: Maximum peak conducted output power

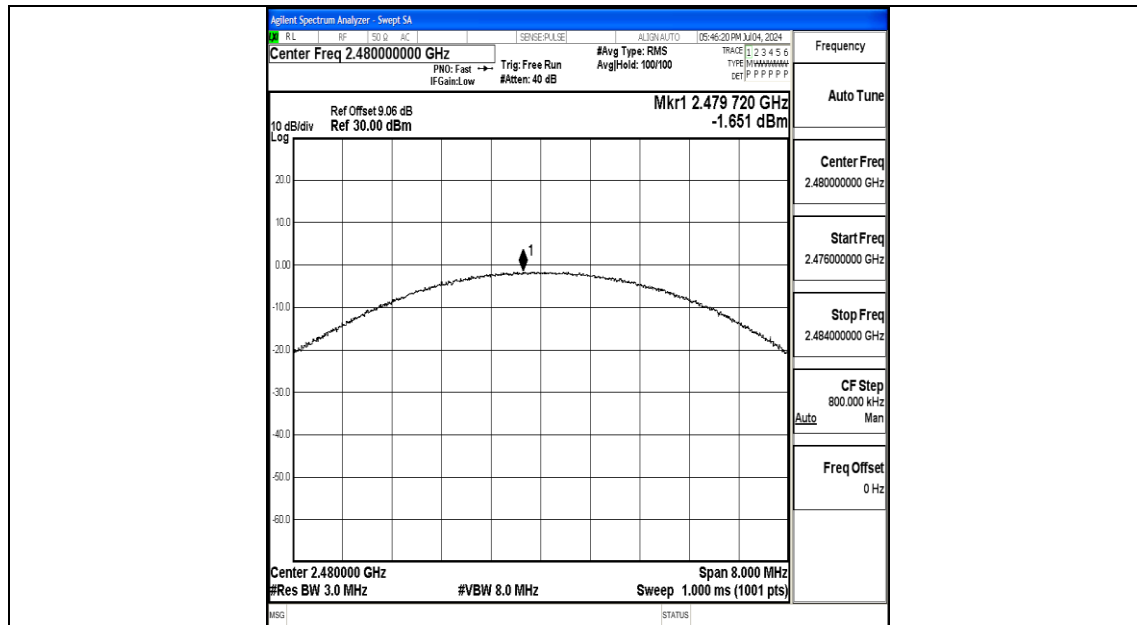
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.59	≤30	PASS
DH5	Ant1	2441	-2.13	≤30	PASS
DH5	Ant1	2480	-2.02	≤30	PASS
2DH5	Ant1	2402	-2.03	≤20.97	PASS
2DH5	Ant1	2441	-1.62	≤20.97	PASS
2DH5	Ant1	2480	-1.65	≤20.97	PASS
3DH5	Ant1	2402	-1.77	≤20.97	PASS
3DH5	Ant1	2441	-1.11	≤20.97	PASS
3DH5	Ant1	2480	-1.30	≤20.97	PASS

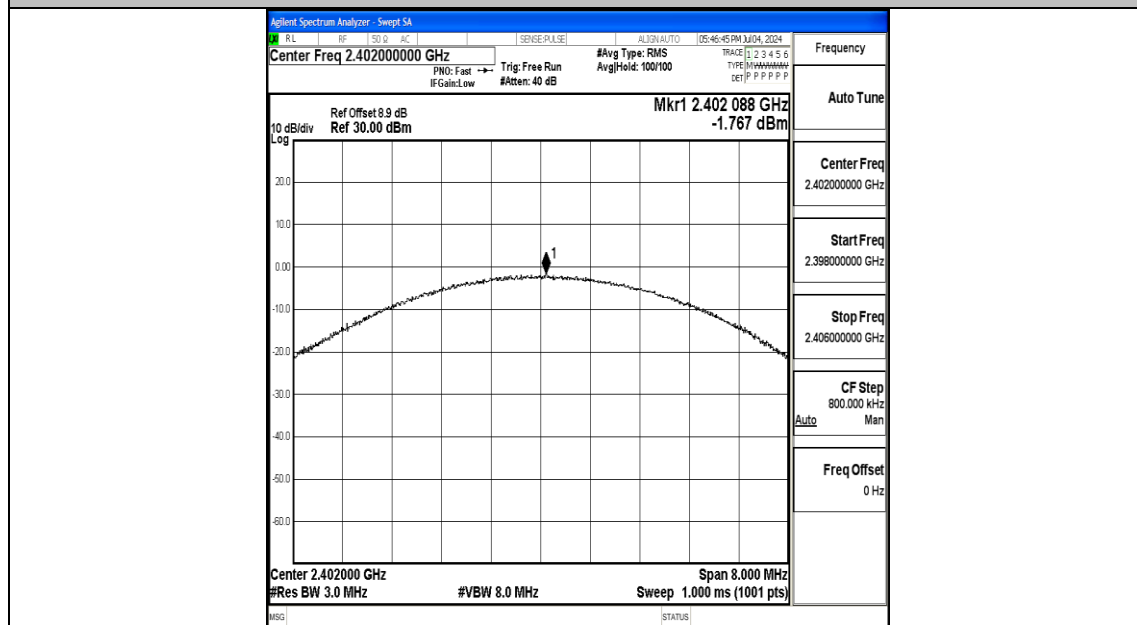
Test Graphs



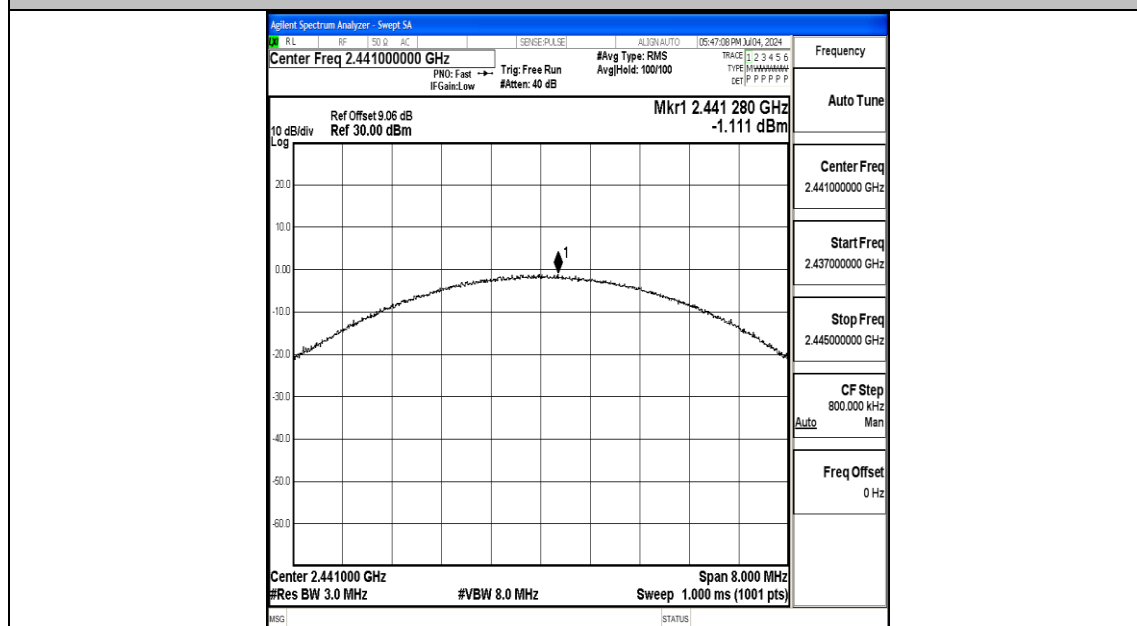




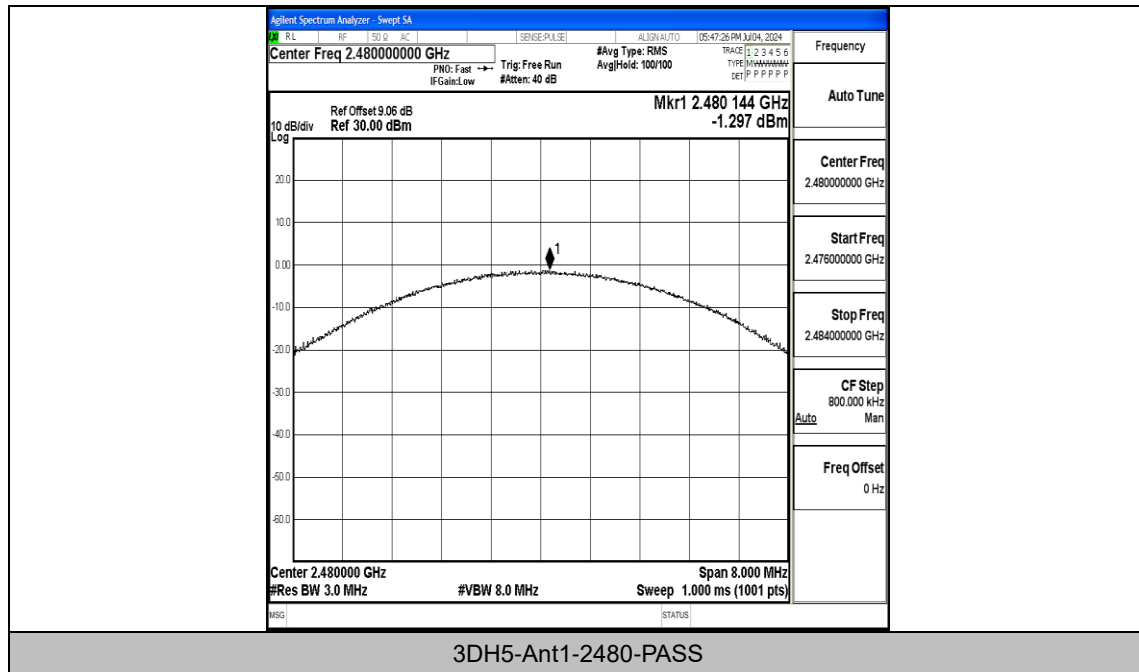
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS

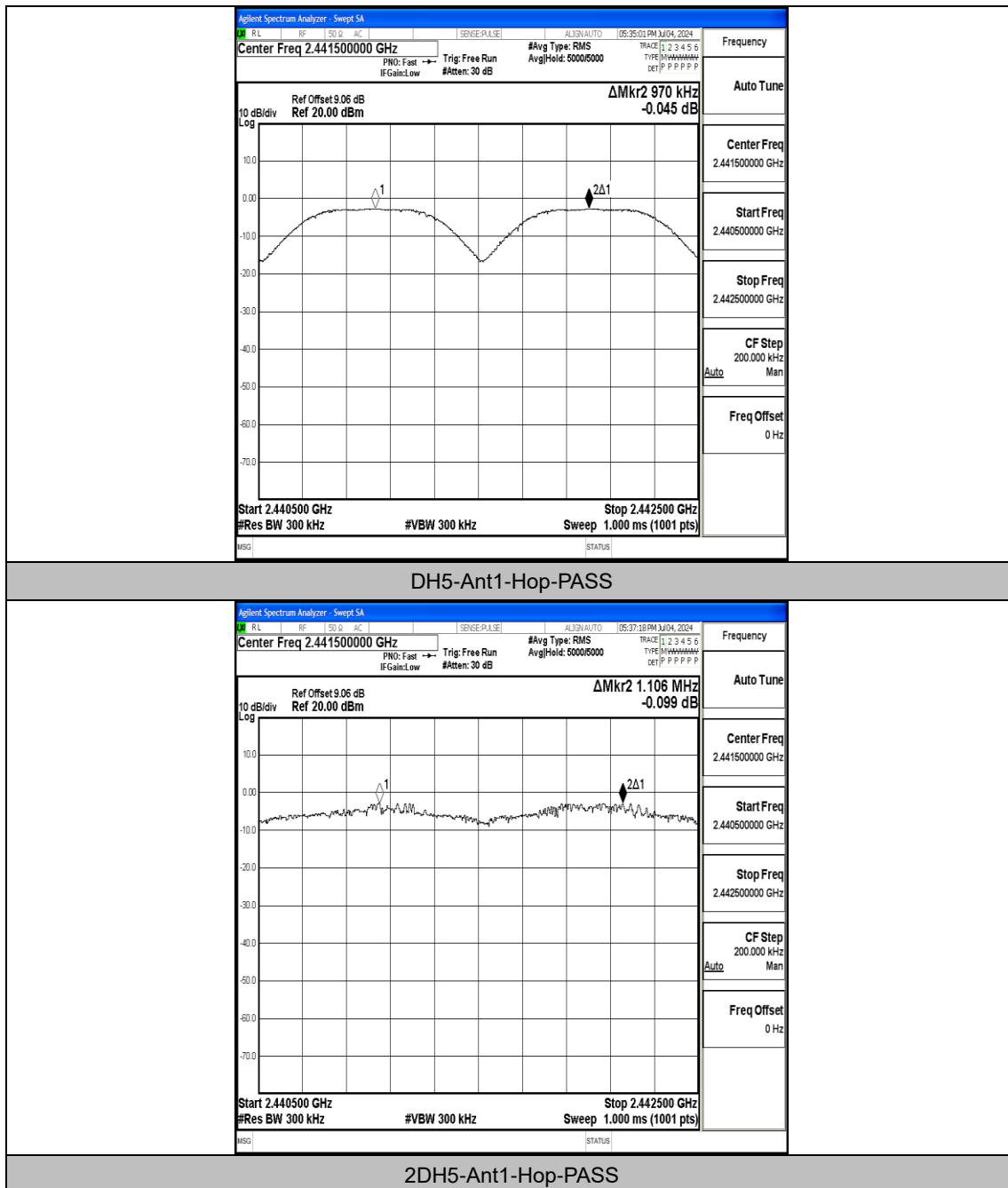


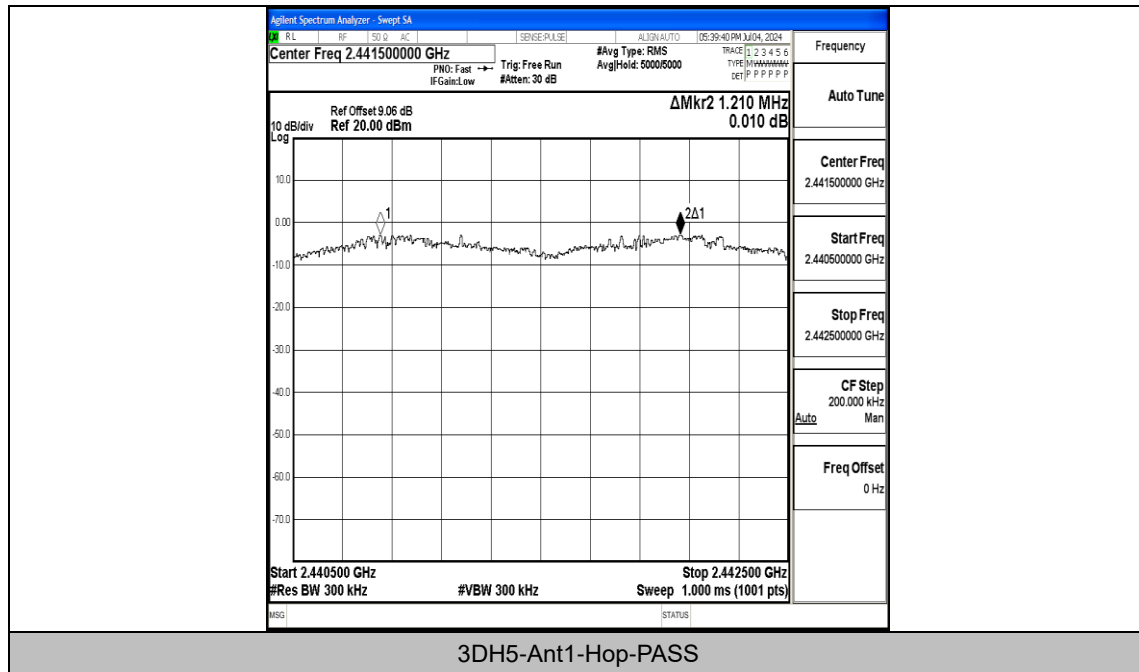
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.97	≥ 0.954	PASS
2DH5	Ant1	Hop	1.106	≥ 0.854	PASS
3DH5	Ant1	Hop	1.21	≥ 0.868	PASS

Test Graphs



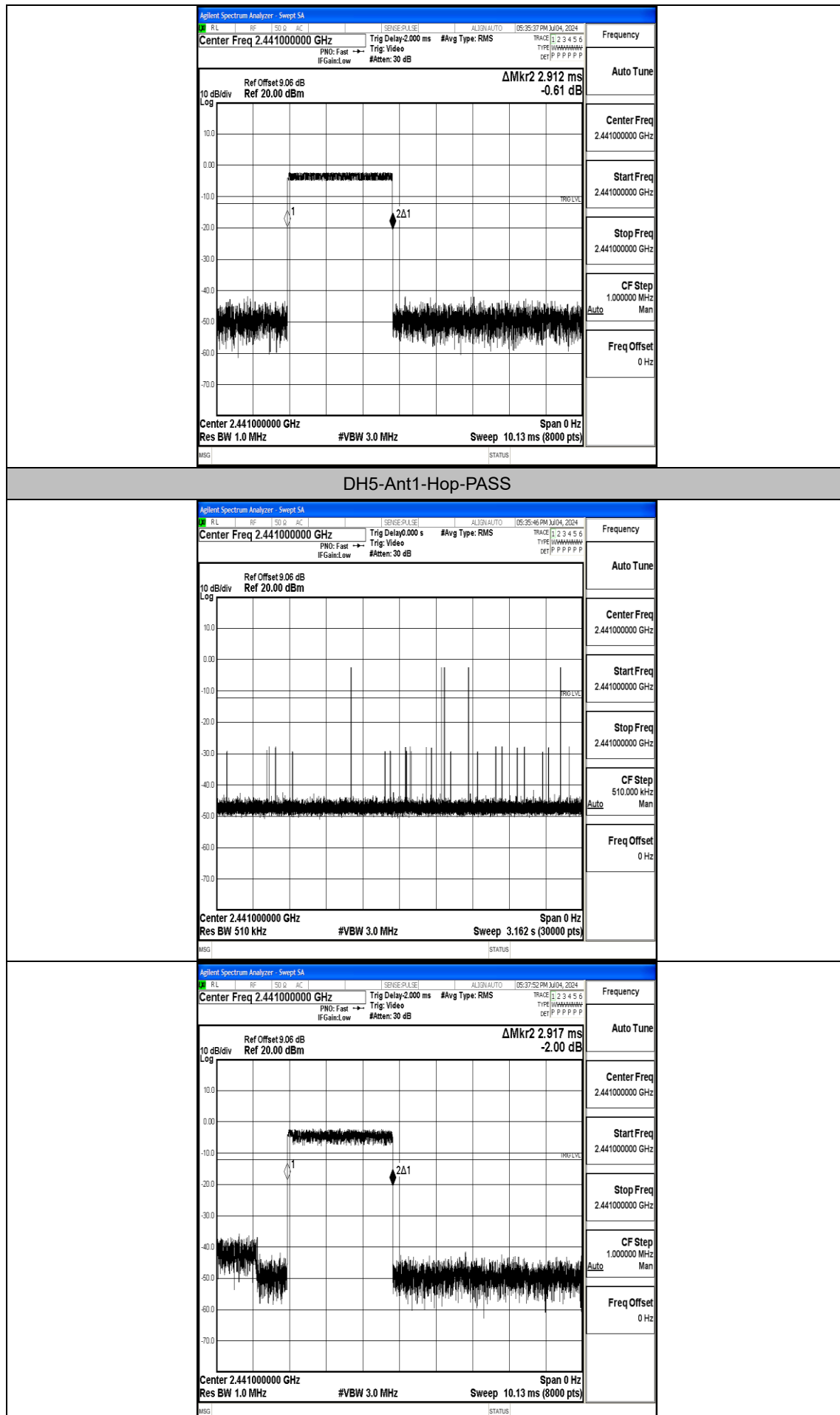


Appendix E: Time of occupancy

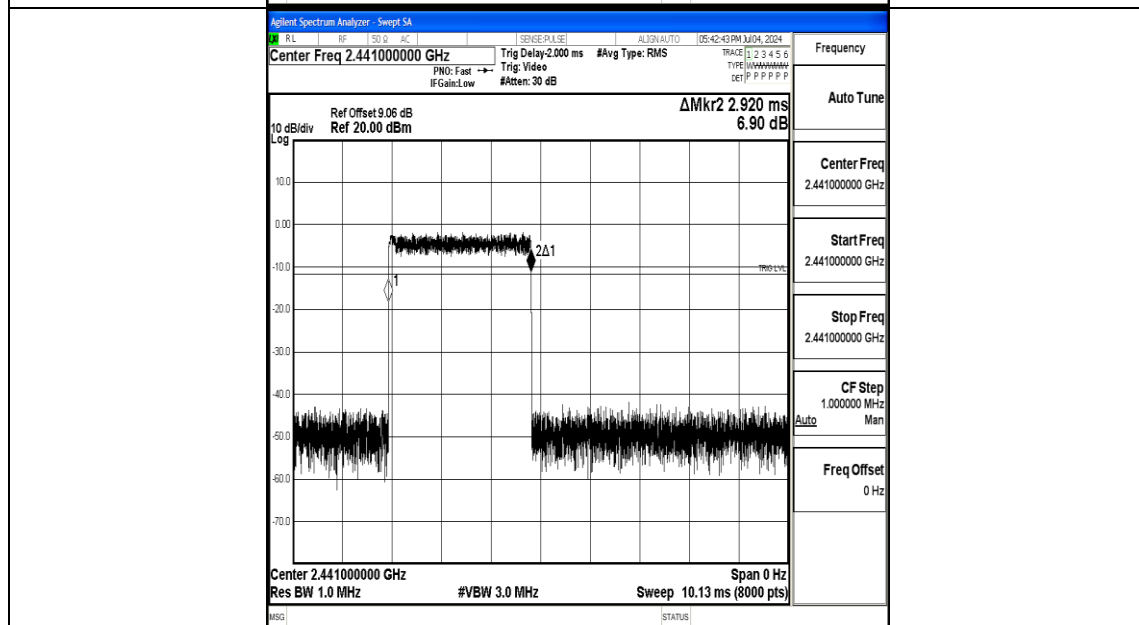
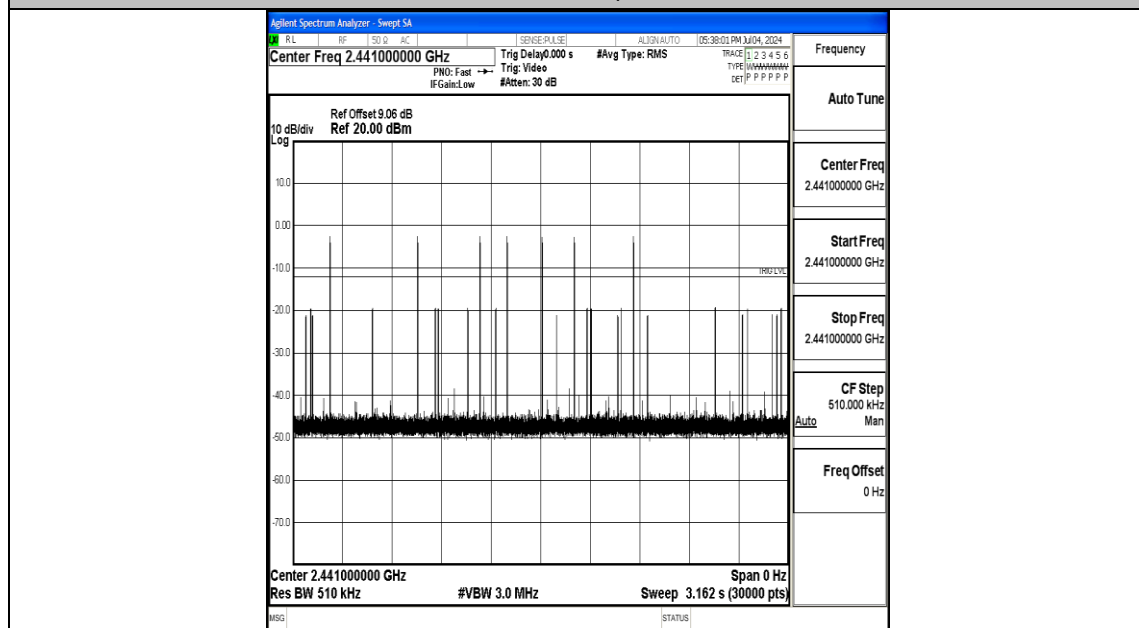
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.912	60	0.175	≤0.4	PASS
2DH5	Ant1	Hop	2.917	80	0.233	≤0.4	PASS
3DH5	Ant1	Hop	2.920	100	0.292	≤0.4	PASS

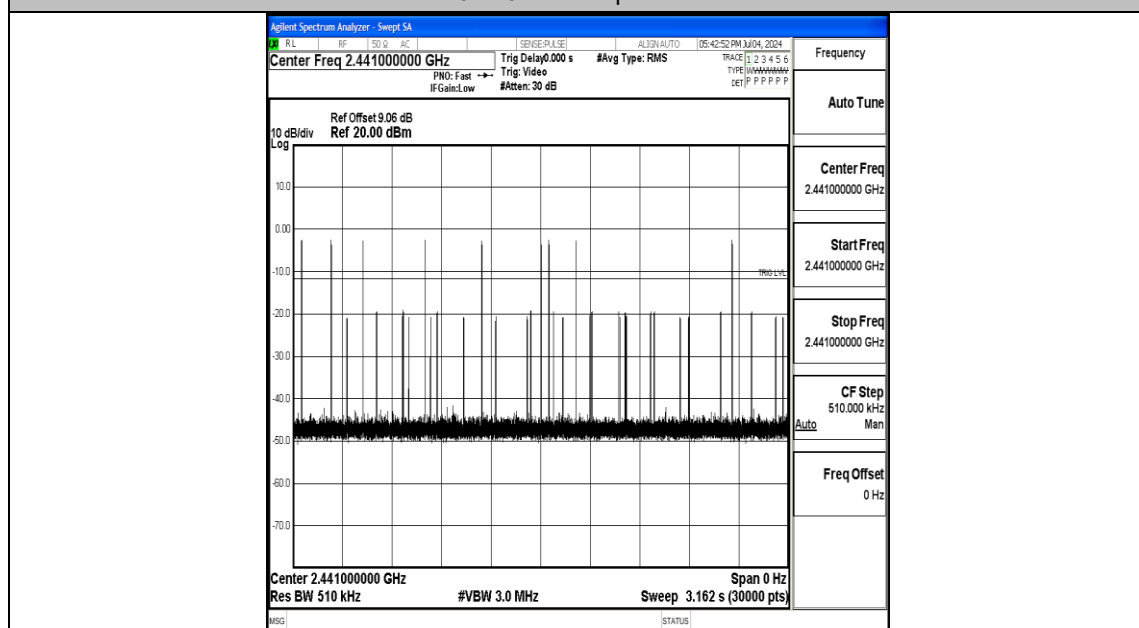
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

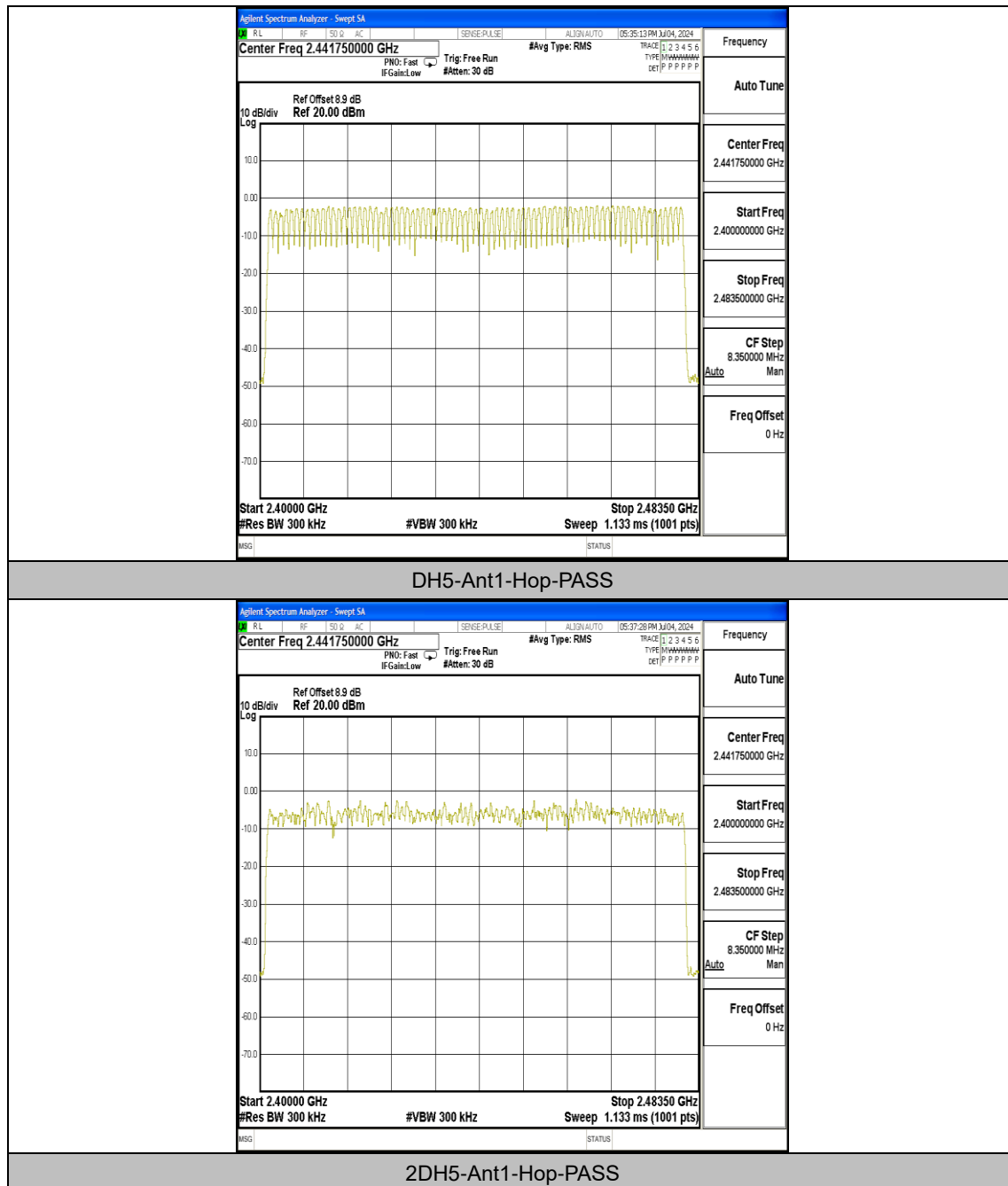


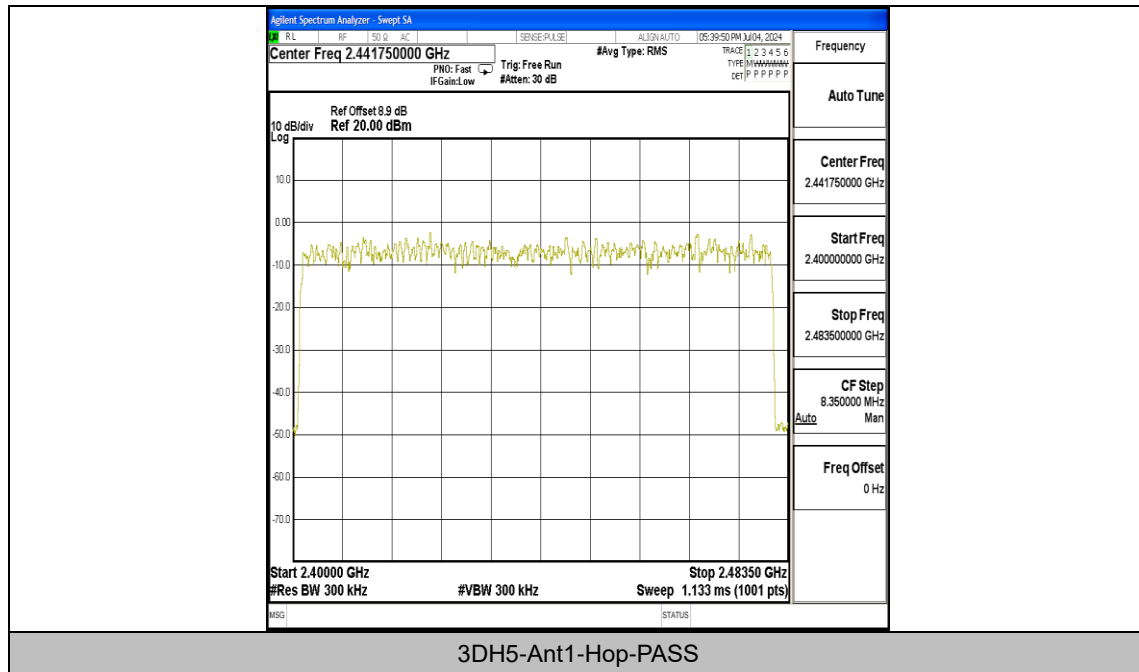
Appendix F: Number of hopping channels

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



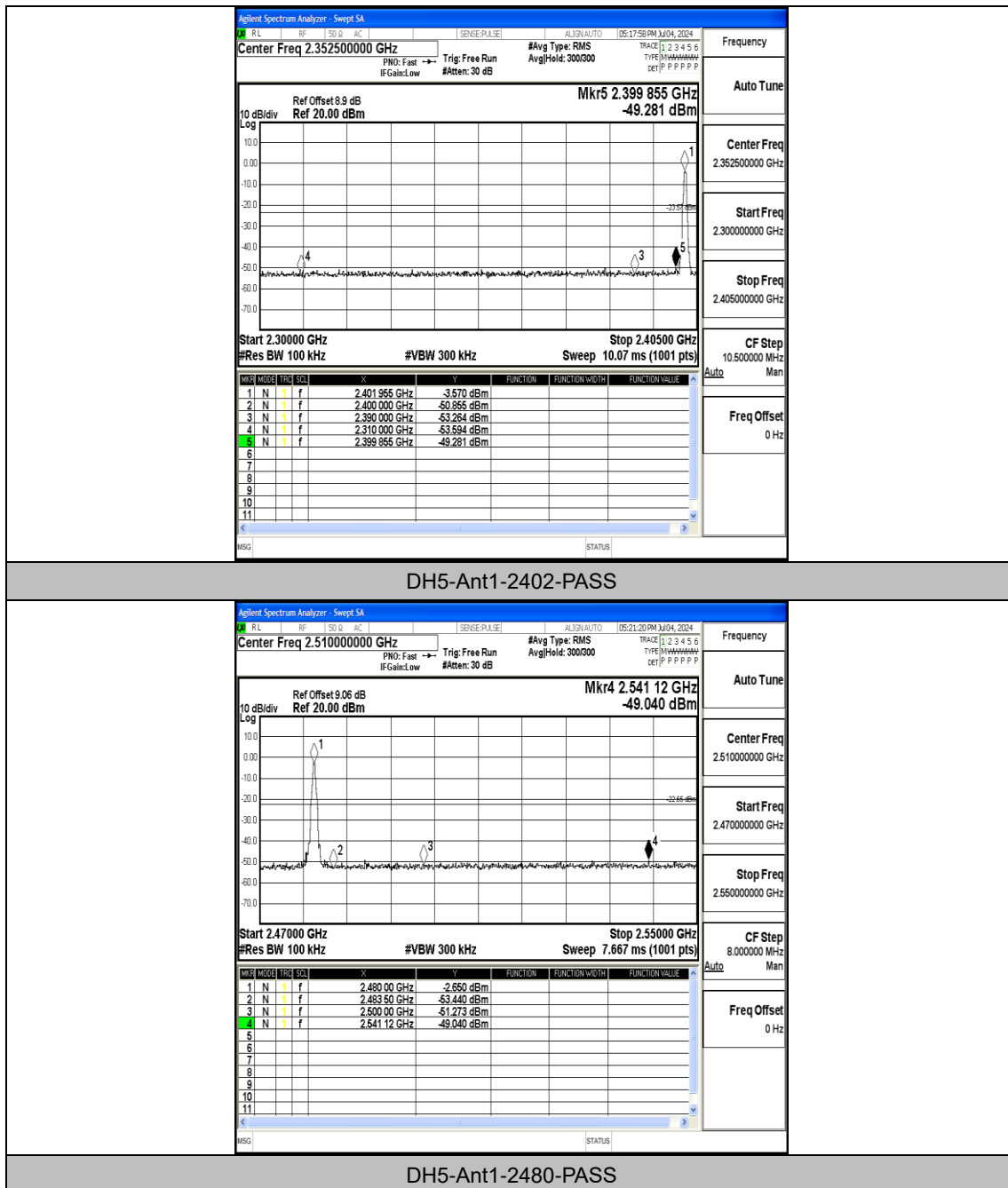


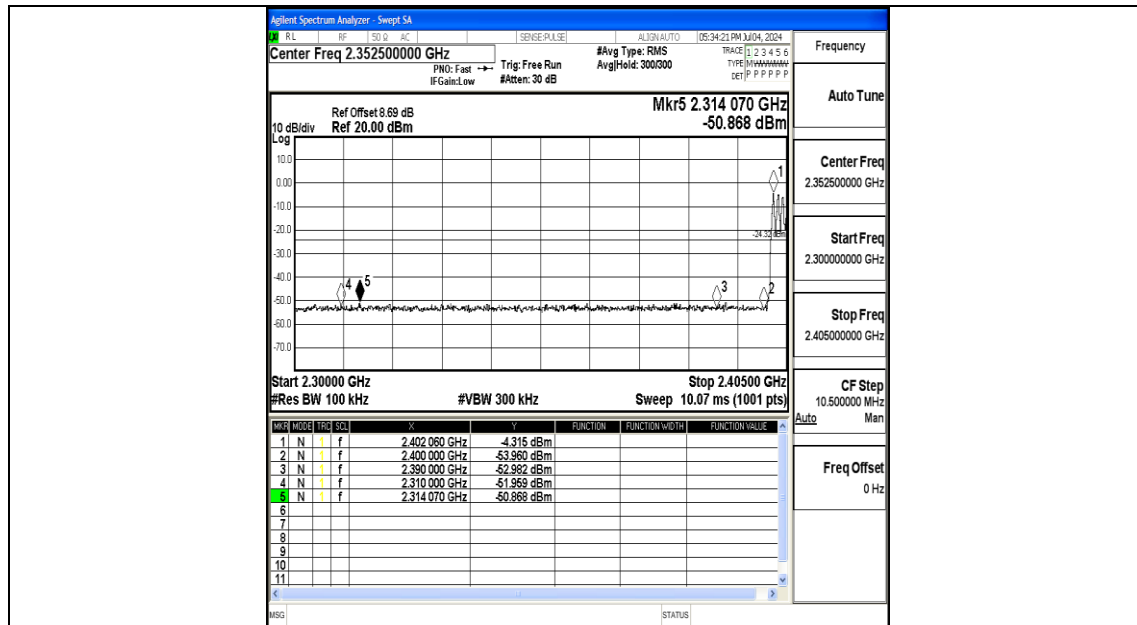
Appendix G: Band edge measurements

Test Result

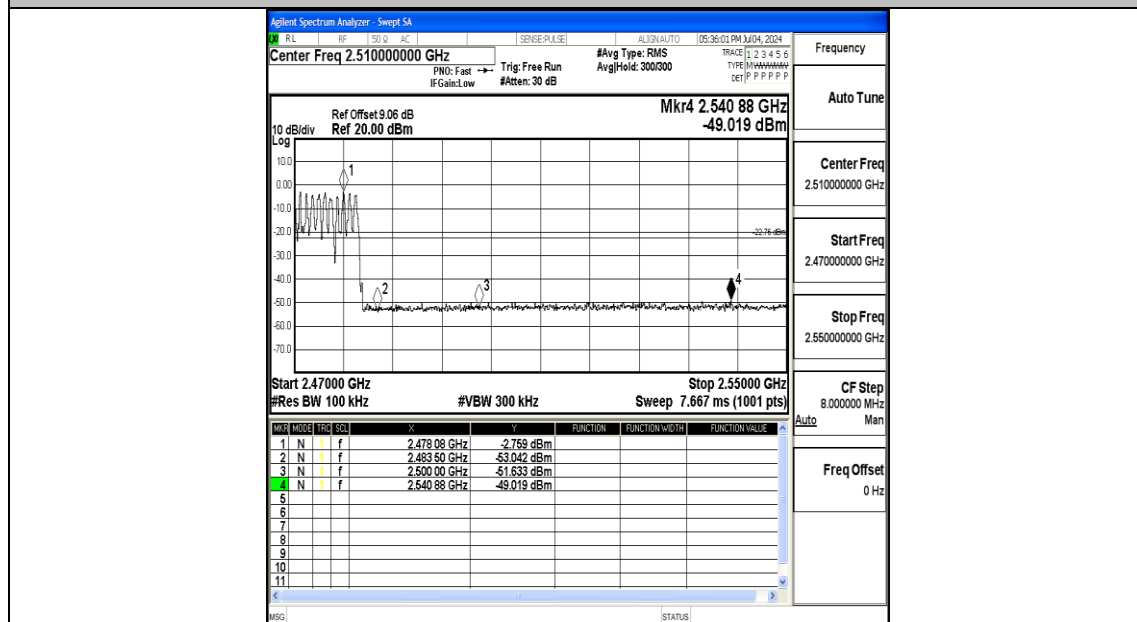
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.57	-49.28	≤-23.57	PASS
DH5	Ant1	High	2480	-2.65	-49.04	≤-22.65	PASS
DH5	Ant1	Low	Hop_2402	-4.32	-50.87	≤-24.32	PASS
DH5	Ant1	High	Hop_2480	-2.76	-49.02	≤-22.76	PASS
2DH5	Ant1	Low	2402	-4.21	-50.24	≤-24.21	PASS
2DH5	Ant1	High	2480	-4.05	-49.43	≤-24.05	PASS
2DH5	Ant1	Low	Hop_2402	-5.07	-50.07	≤-25.07	PASS
2DH5	Ant1	High	Hop_2480	-4.03	-49.33	≤-24.03	PASS
3DH5	Ant1	Low	2402	-3.91	-50.07	≤-23.91	PASS
3DH5	Ant1	High	2480	-4.19	-49.9	≤-24.19	PASS
3DH5	Ant1	Low	Hop_2402	-8.01	-50.25	≤-28.01	PASS
3DH5	Ant1	High	Hop_2480	-6.21	-49.46	≤-26.21	PASS

Test Graphs

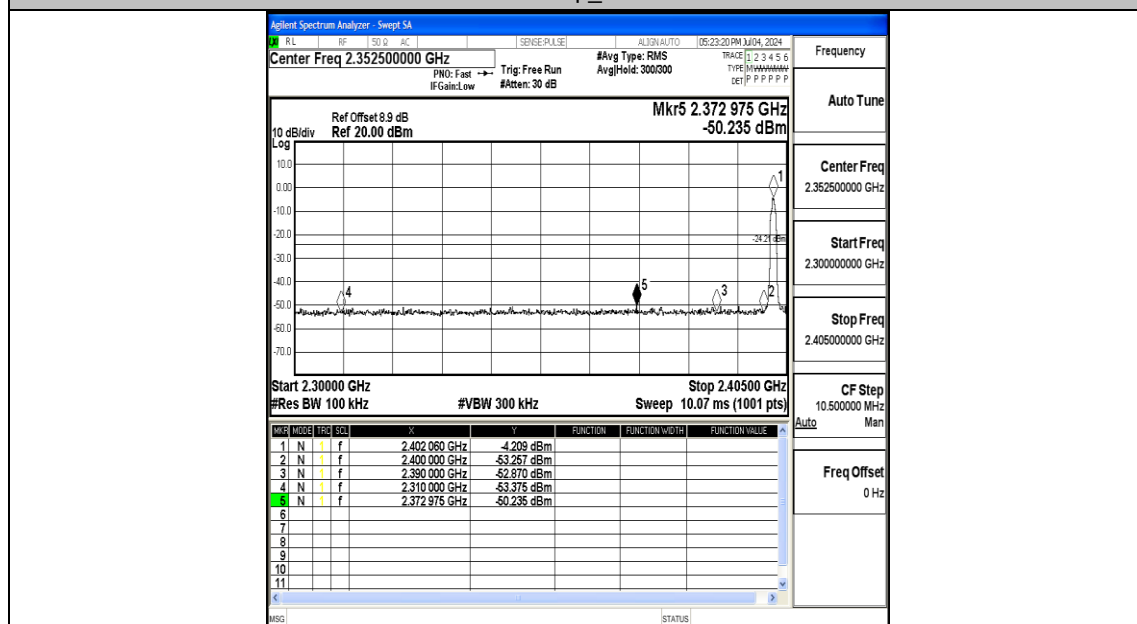




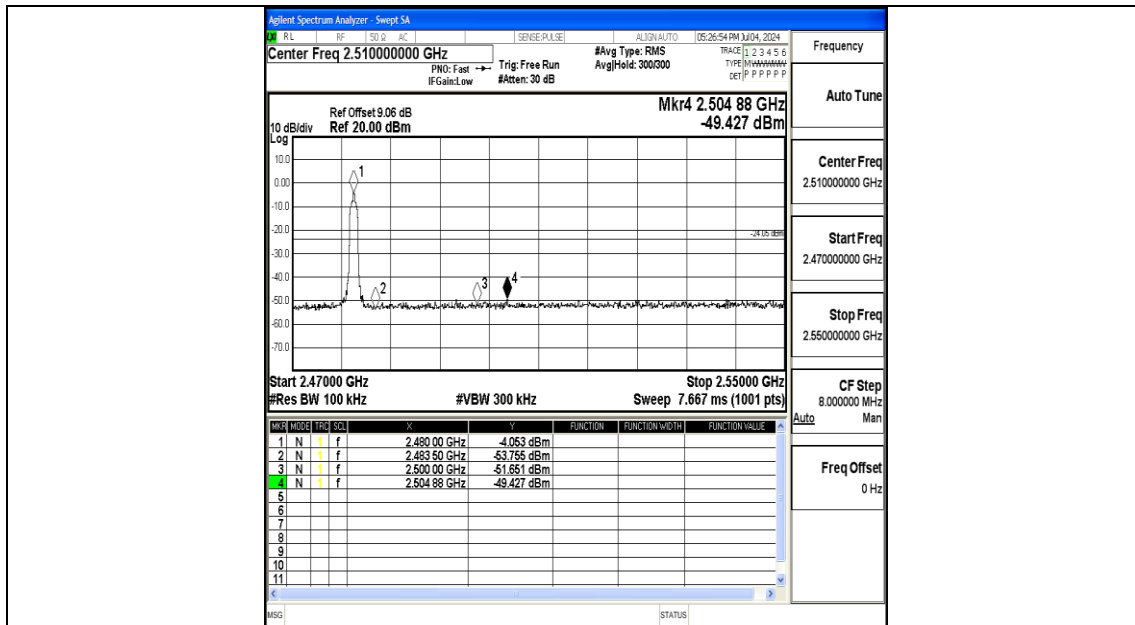
DH5-Ant1-Hop_2402-PASS



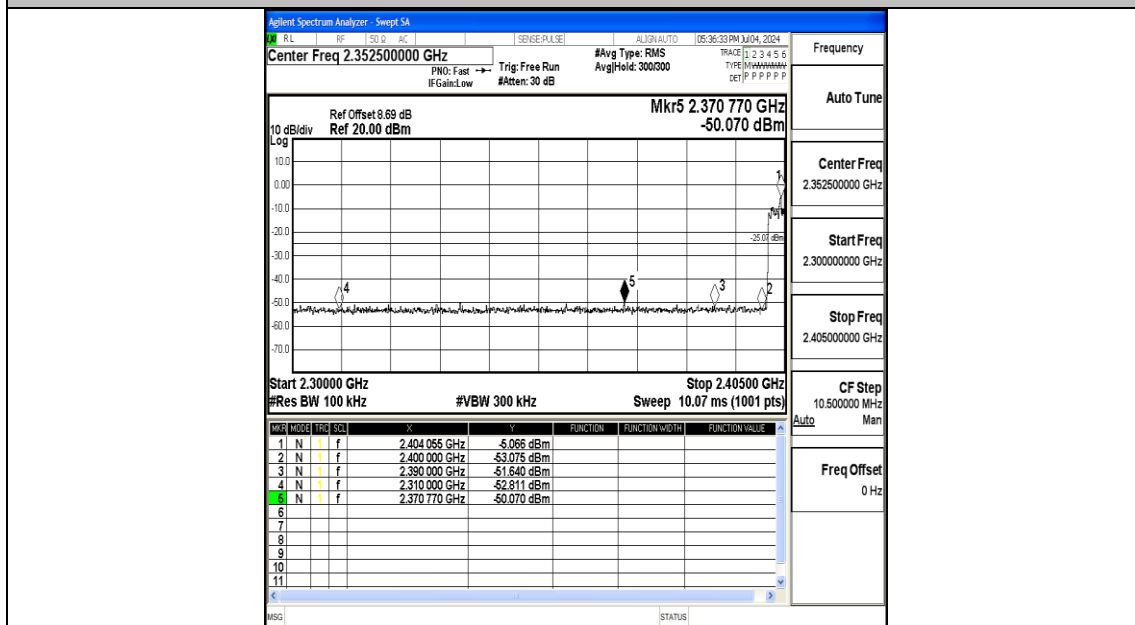
DH5-Ant1-Hop_2480-PASS



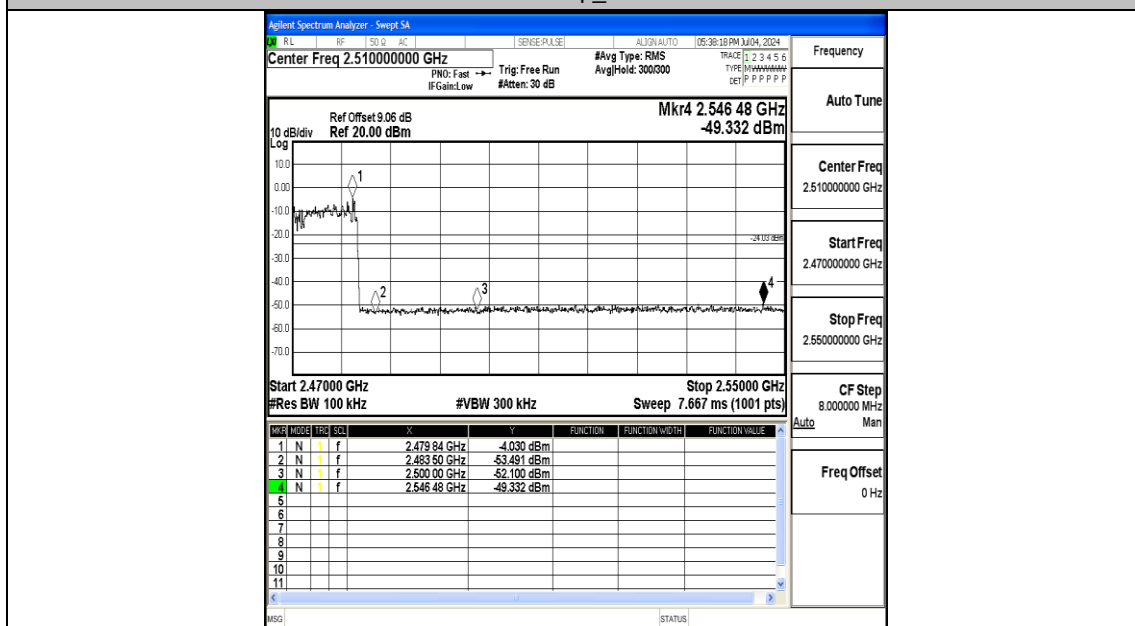
2DH5-Ant1-2402-PASS



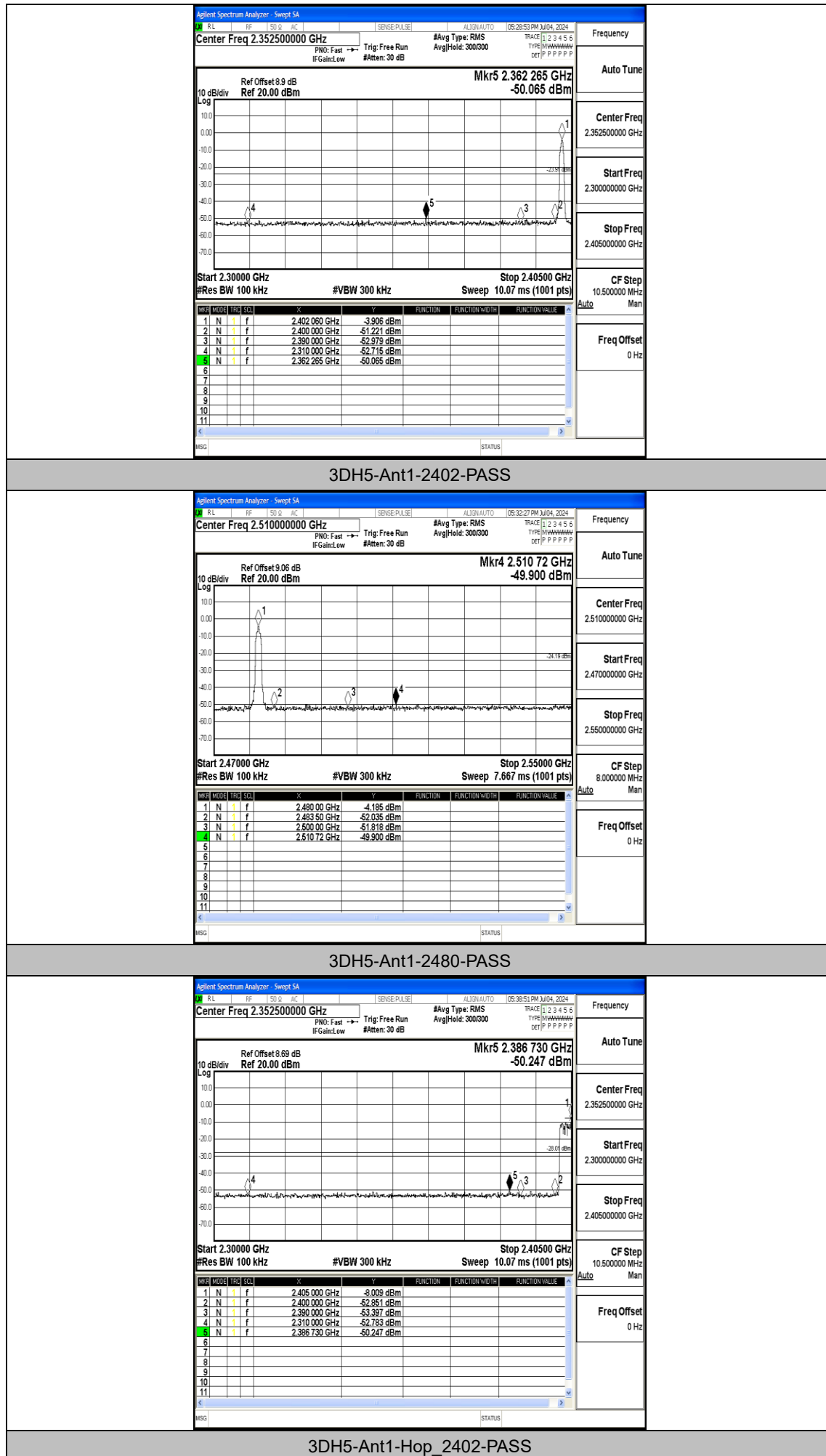
2DH5-Ant1-2480-PASS

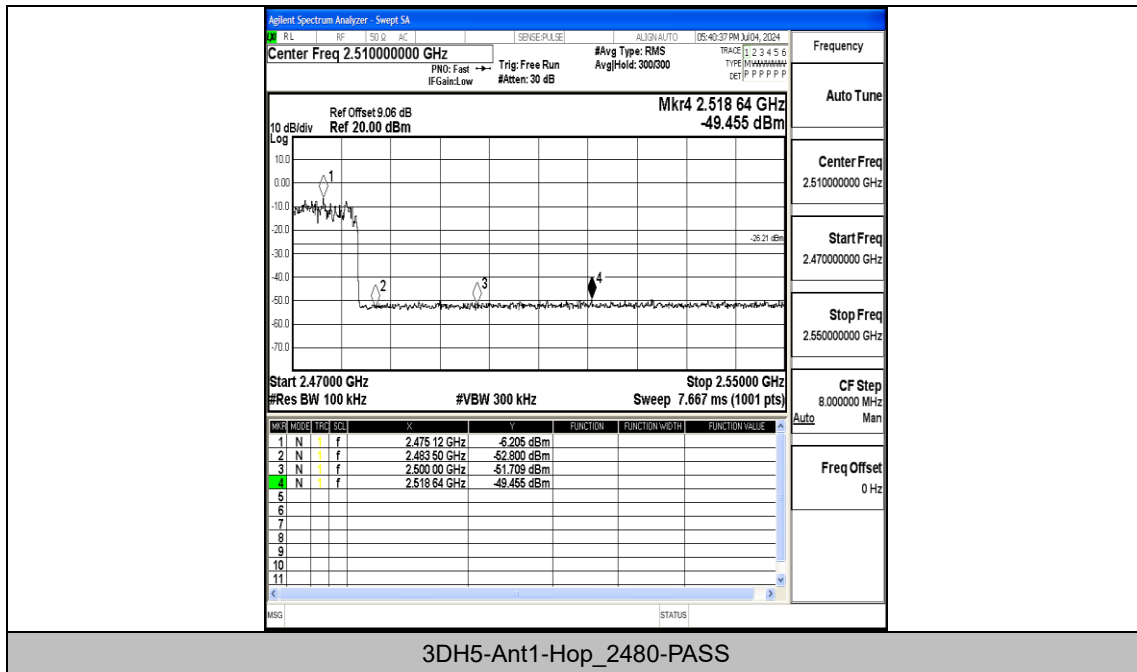


2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



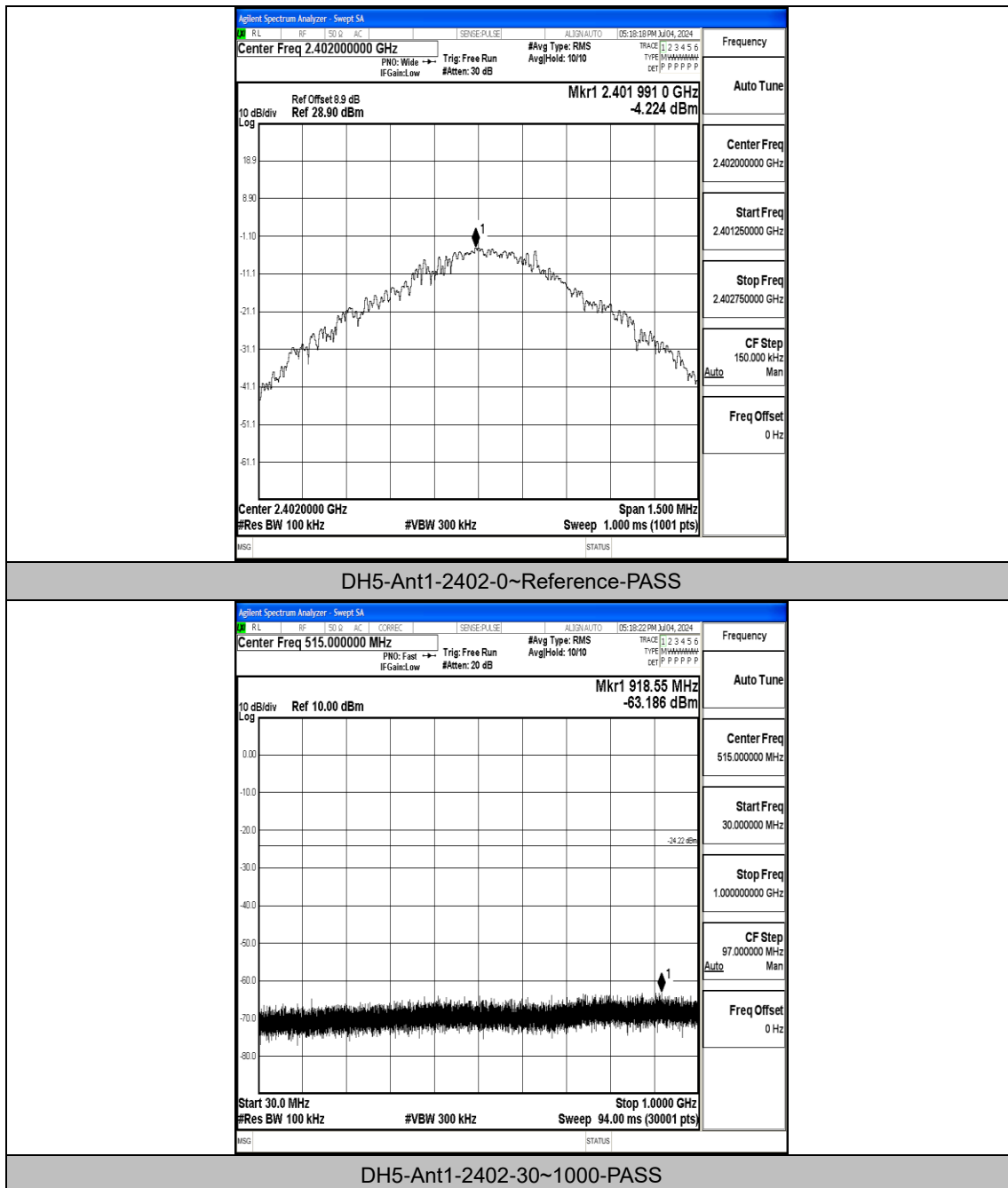


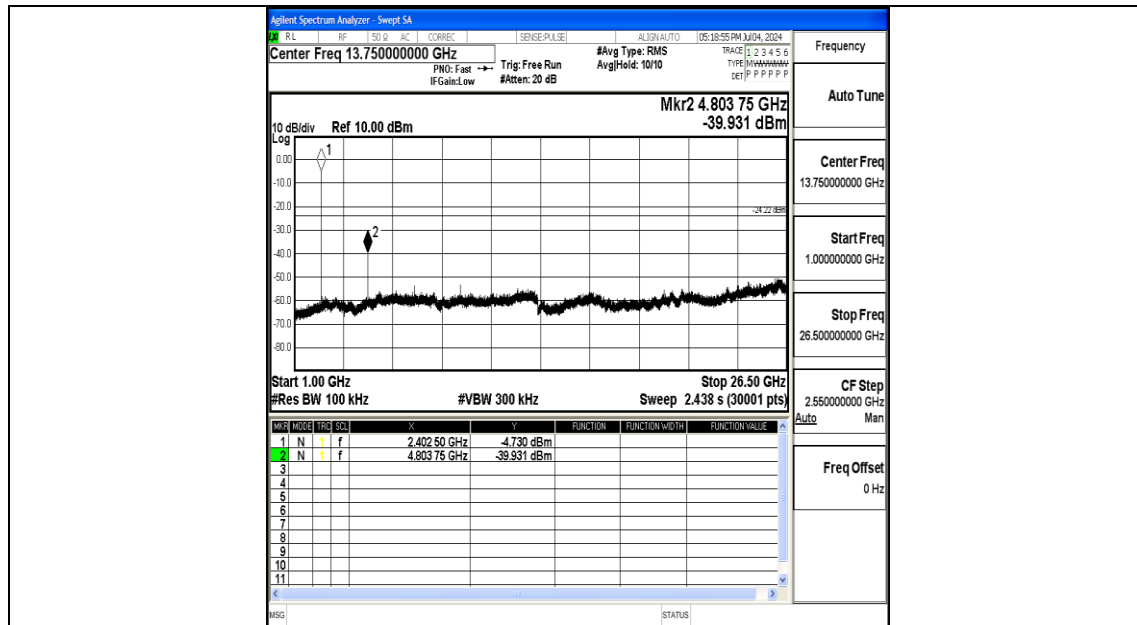
Appendix H: Conducted Spurious Emission

Test Result

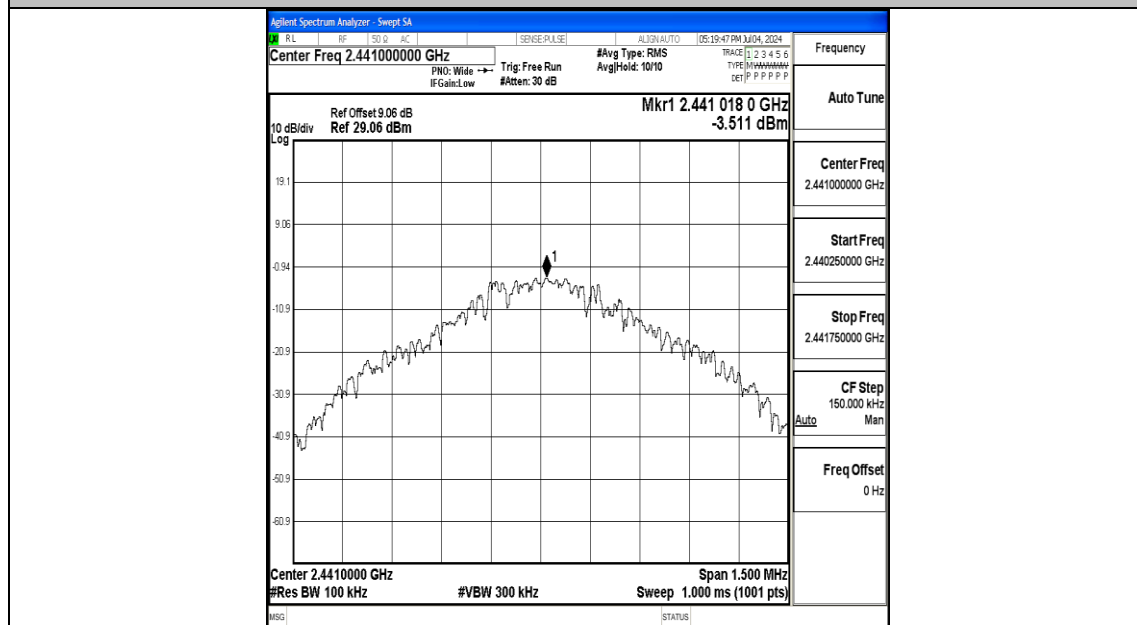
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-4.22	-4.22	---	PASS
DH5	Ant1	2402	30~1000	-4.22	-63.19	≤-24.22	PASS
DH5	Ant1	2402	1000~26500	-4.22	-39.93	≤-24.22	PASS
DH5	Ant1	2441	0~Reference	-3.51	-3.51	---	PASS
DH5	Ant1	2441	30~1000	-3.51	-61.99	≤-23.51	PASS
DH5	Ant1	2441	1000~26500	-3.51	-39.48	≤-23.51	PASS
DH5	Ant1	2480	0~Reference	-3.19	-3.19	---	PASS
DH5	Ant1	2480	30~1000	-3.19	-62	≤-23.19	PASS
DH5	Ant1	2480	1000~26500	-3.19	-43.98	≤-23.19	PASS
2DH5	Ant1	2402	0~Reference	-6.26	-6.26	---	PASS
2DH5	Ant1	2402	30~1000	-6.26	-62.76	≤-26.26	PASS
2DH5	Ant1	2402	1000~26500	-6.26	-45.76	≤-26.26	PASS
2DH5	Ant1	2441	0~Reference	-4.41	-4.41	---	PASS
2DH5	Ant1	2441	30~1000	-4.41	-62.95	≤-24.41	PASS
2DH5	Ant1	2441	1000~26500	-4.41	-42.62	≤-24.41	PASS
2DH5	Ant1	2480	0~Reference	-6.93	-6.93	---	PASS
2DH5	Ant1	2480	30~1000	-6.93	-62.53	≤-26.93	PASS
2DH5	Ant1	2480	1000~26500	-6.93	-43.66	≤-26.93	PASS
3DH5	Ant1	2402	0~Reference	-4.75	-4.75	---	PASS
3DH5	Ant1	2402	30~1000	-4.75	-61.73	≤-24.75	PASS
3DH5	Ant1	2402	1000~26500	-4.75	-46.14	≤-24.75	PASS
3DH5	Ant1	2441	0~Reference	-5.34	-5.34	---	PASS
3DH5	Ant1	2441	30~1000	-5.34	-62.93	≤-25.34	PASS
3DH5	Ant1	2441	1000~26500	-5.34	-45.01	≤-25.34	PASS
3DH5	Ant1	2480	0~Reference	-7.13	-7.13	---	PASS
3DH5	Ant1	2480	30~1000	-7.13	-61.25	≤-27.13	PASS
3DH5	Ant1	2480	1000~26500	-7.13	-48.19	≤-27.13	PASS

Test Graphs

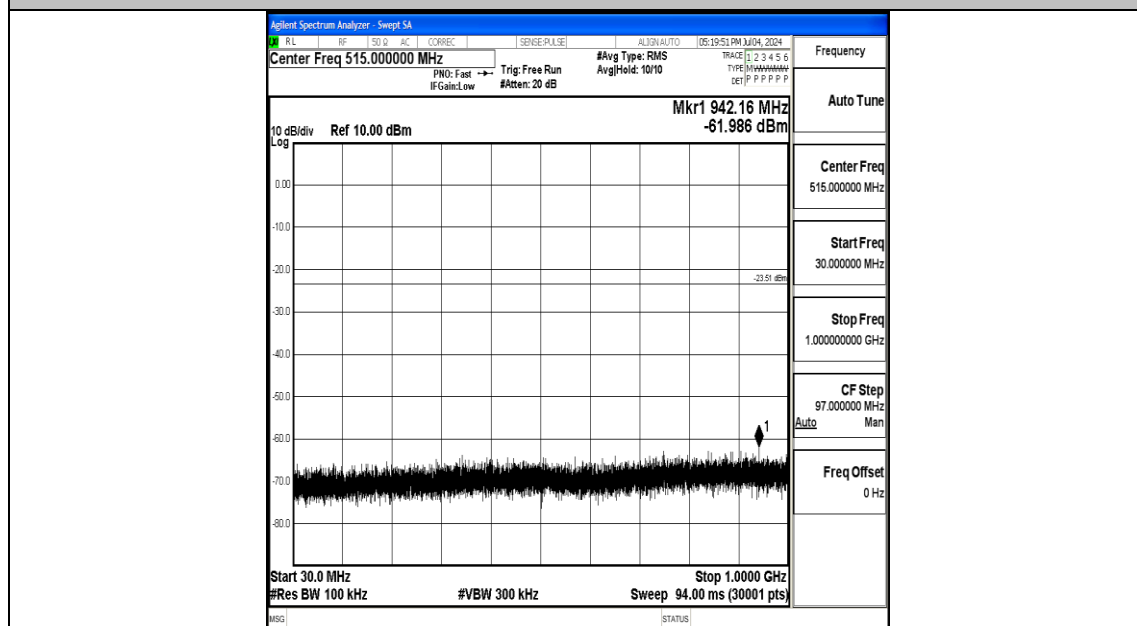




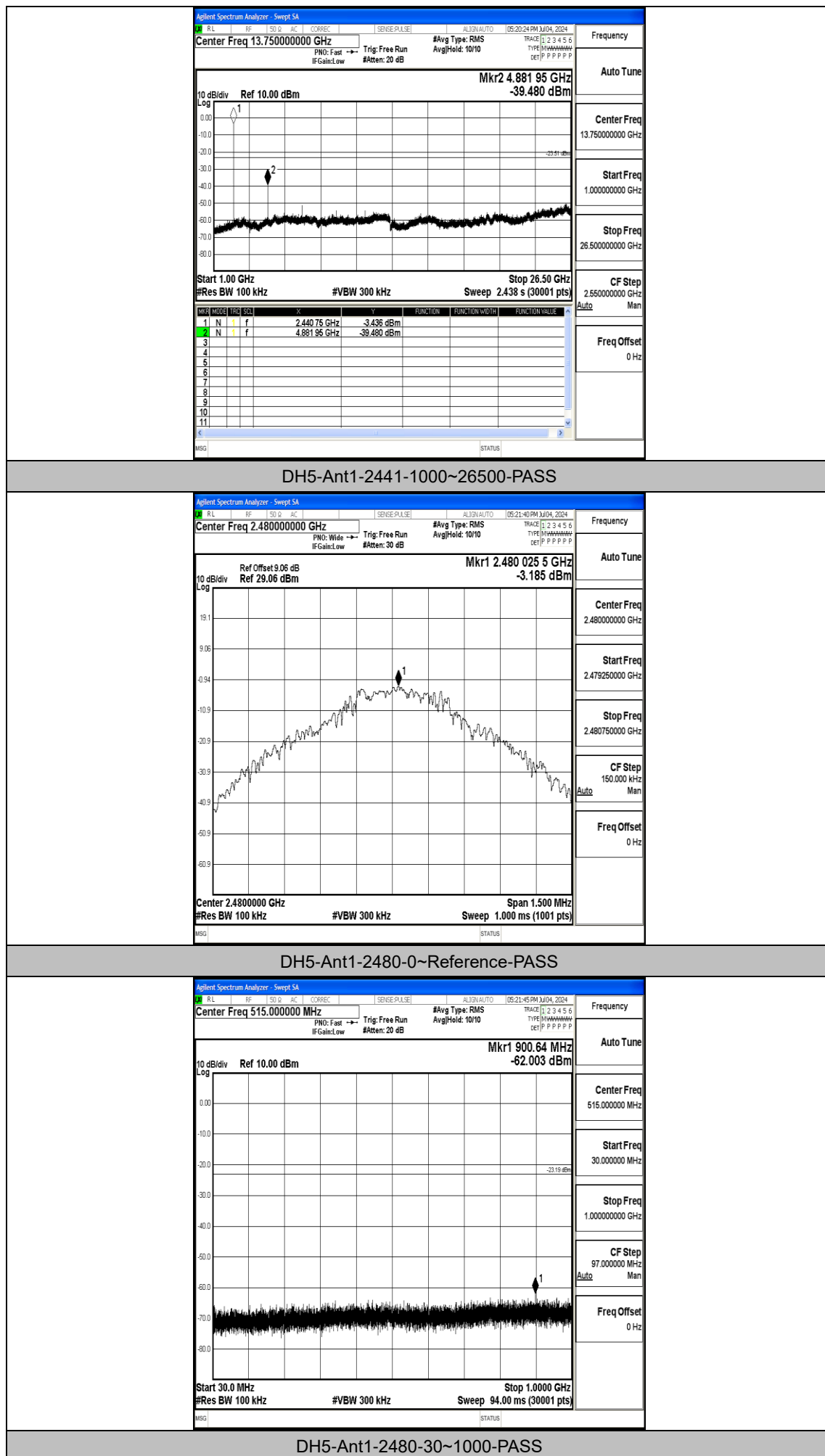
DH5-Ant1-2402-1000~26500-PASS

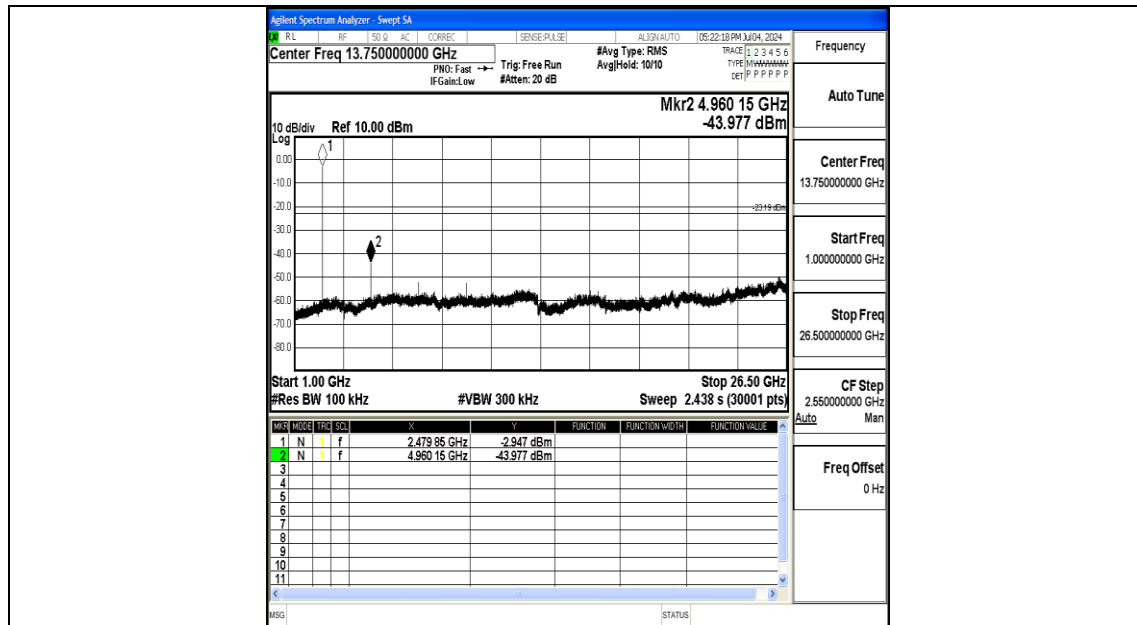


DH5-Ant1-2441-0~Reference-PASS

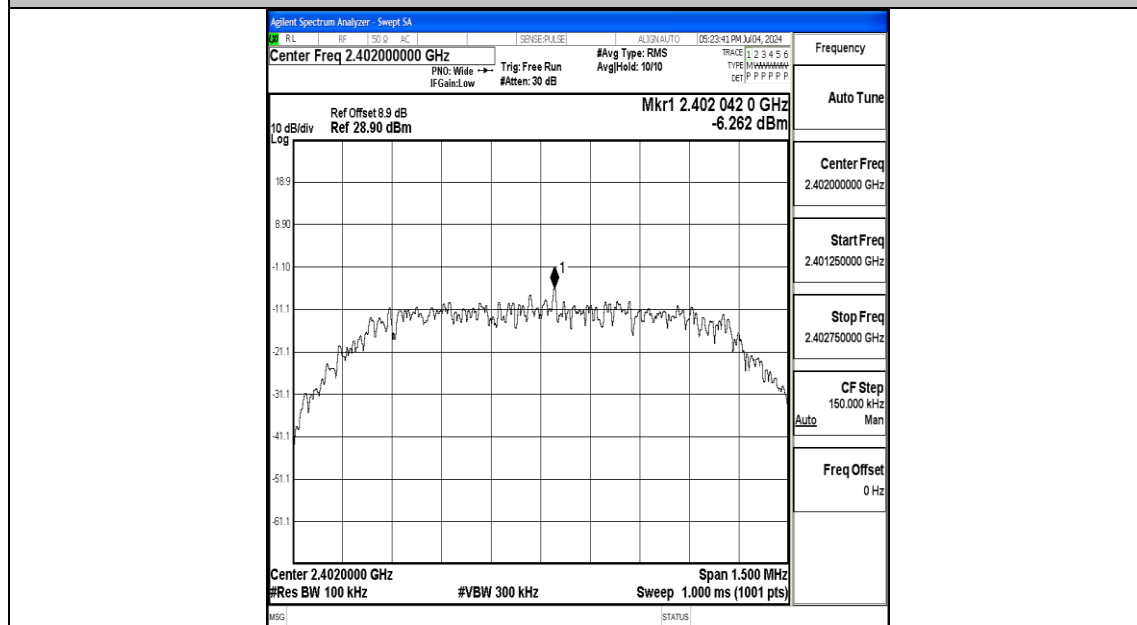


DH5-Ant1-2441-30~1000-PASS

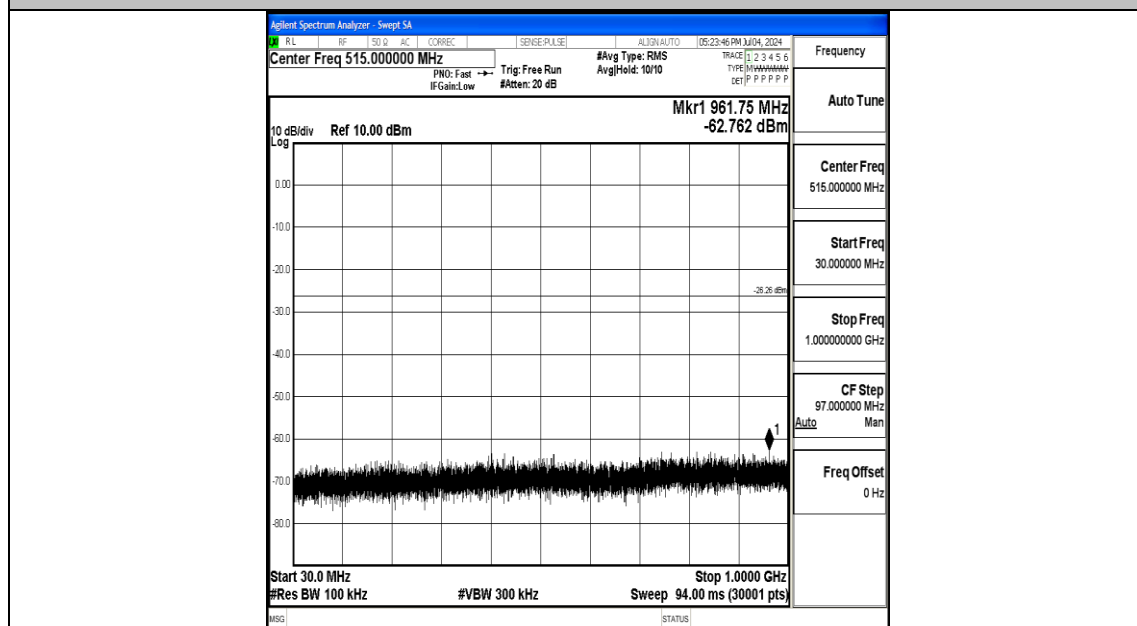




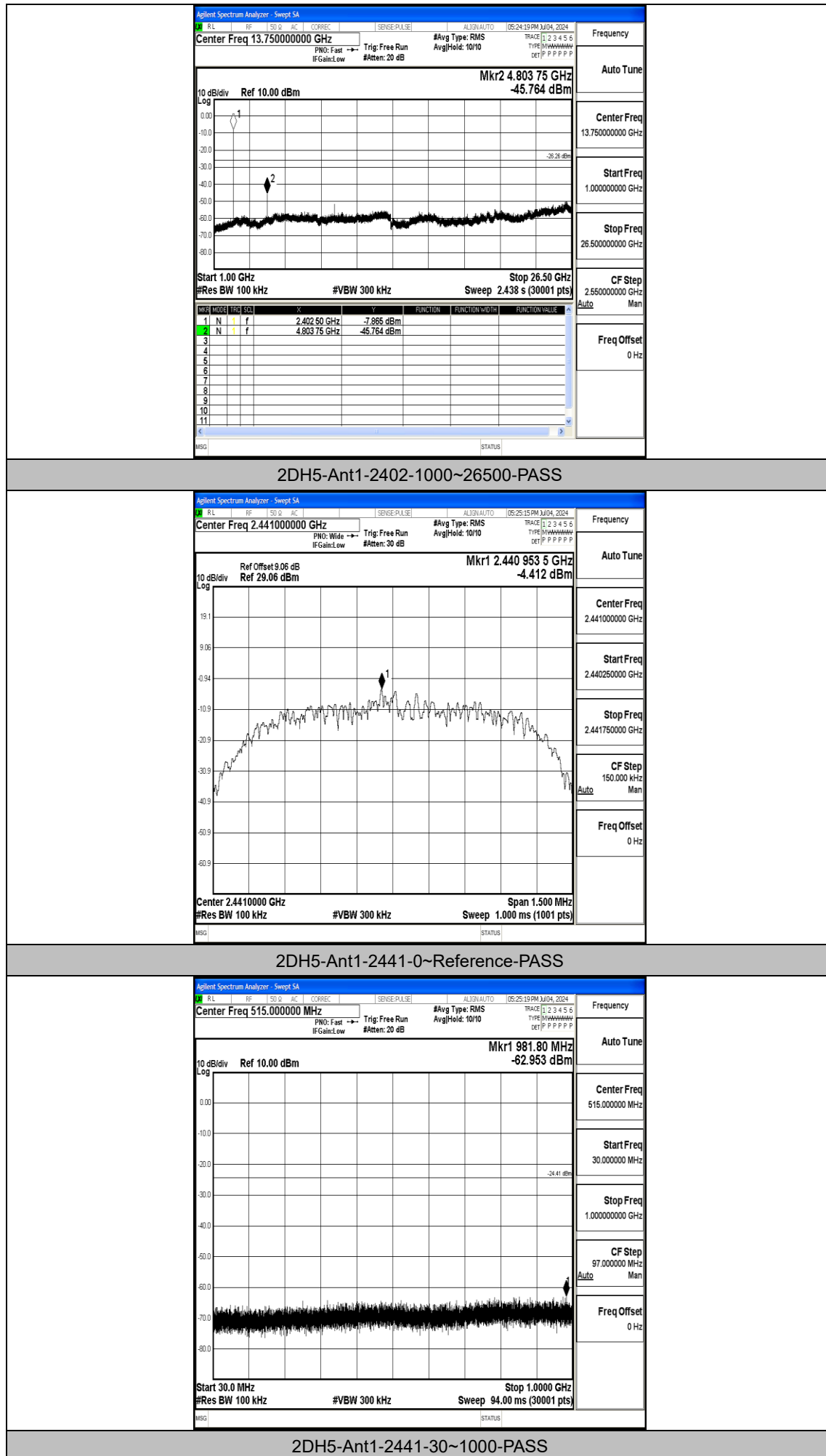
DH5-Ant1-2480-1000~26500-PASS

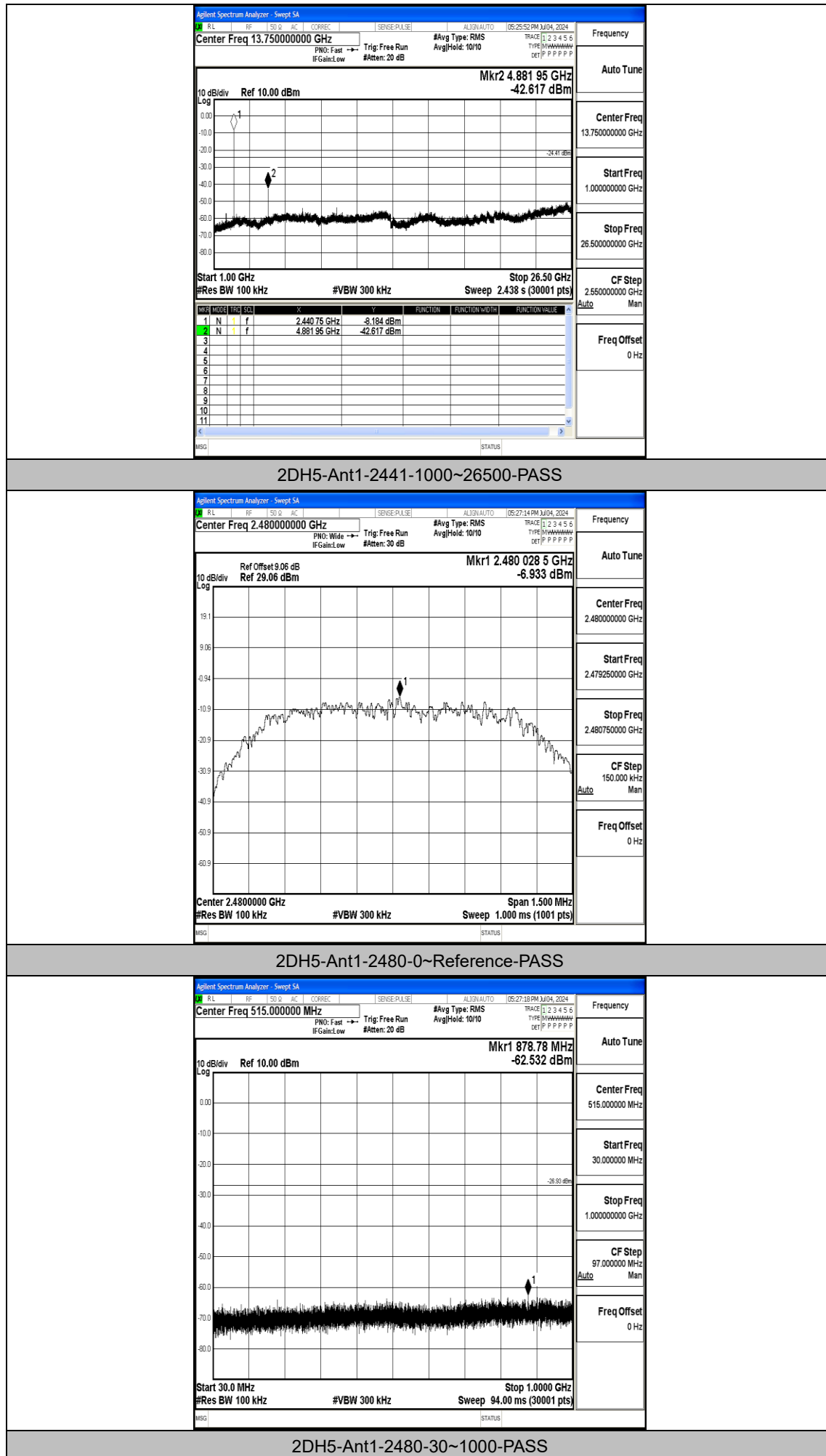


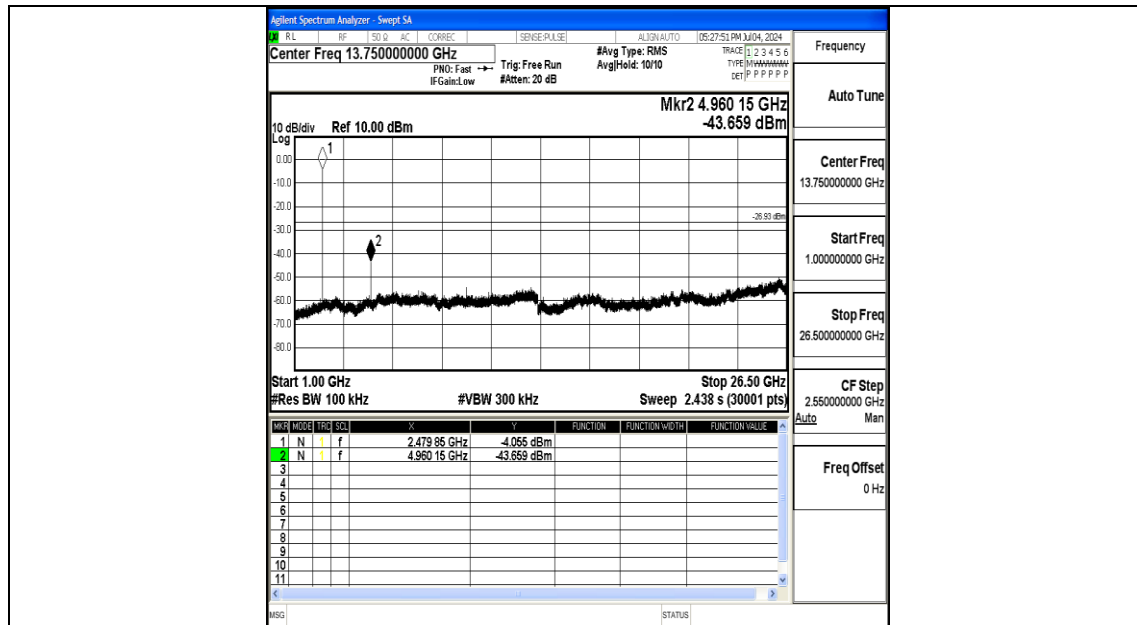
2DH5-Ant1-2402-0~Reference-PASS



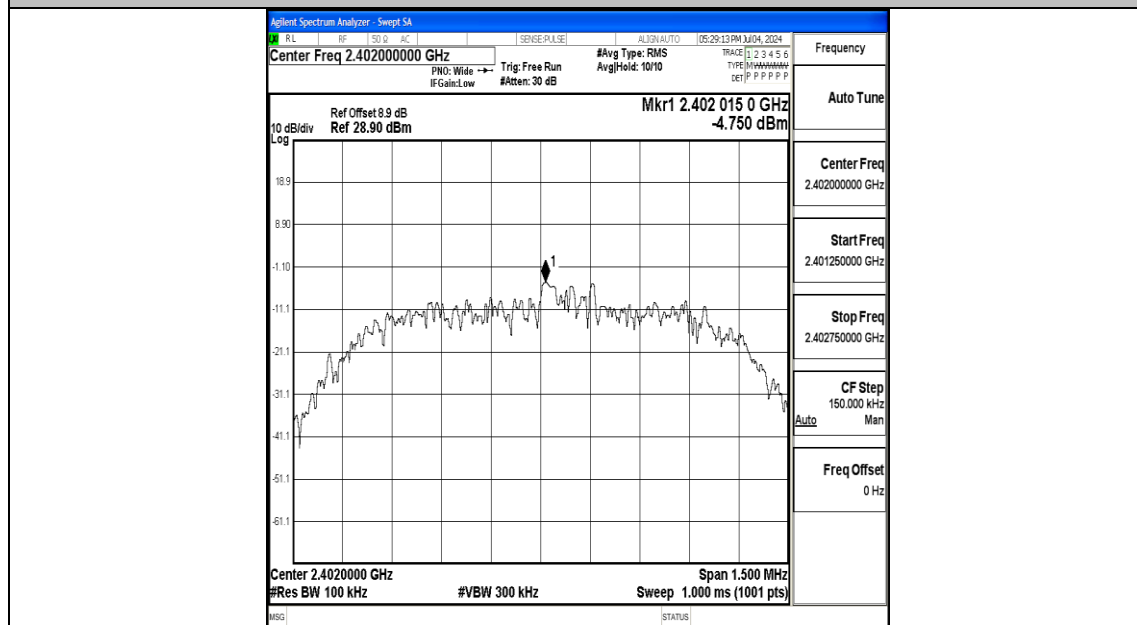
2DH5-Ant1-2402-30~1000-PASS



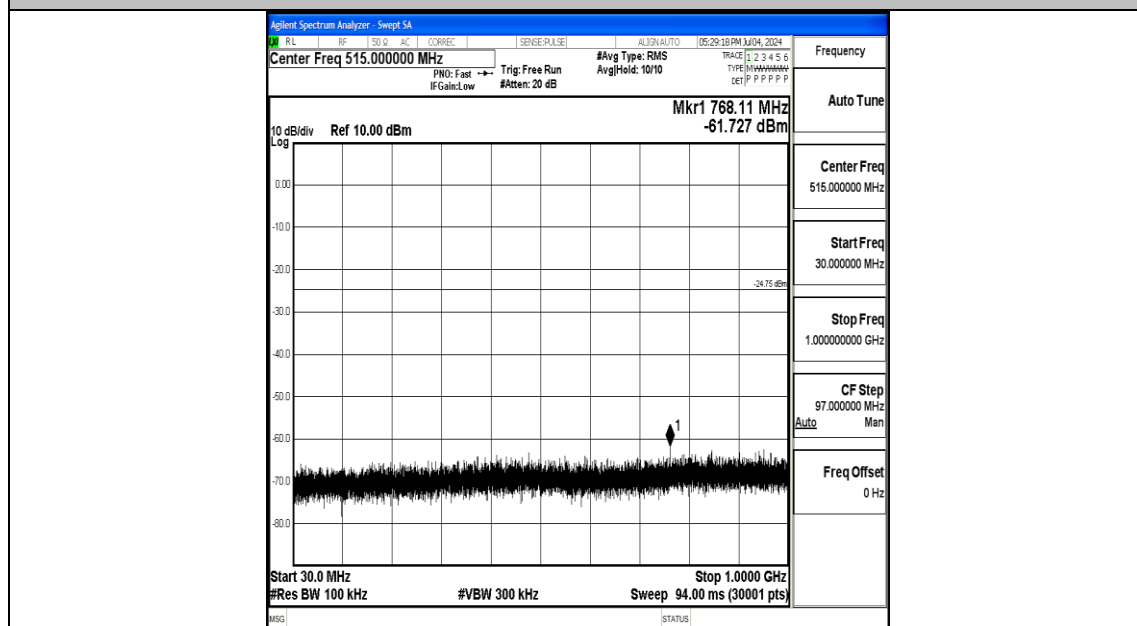




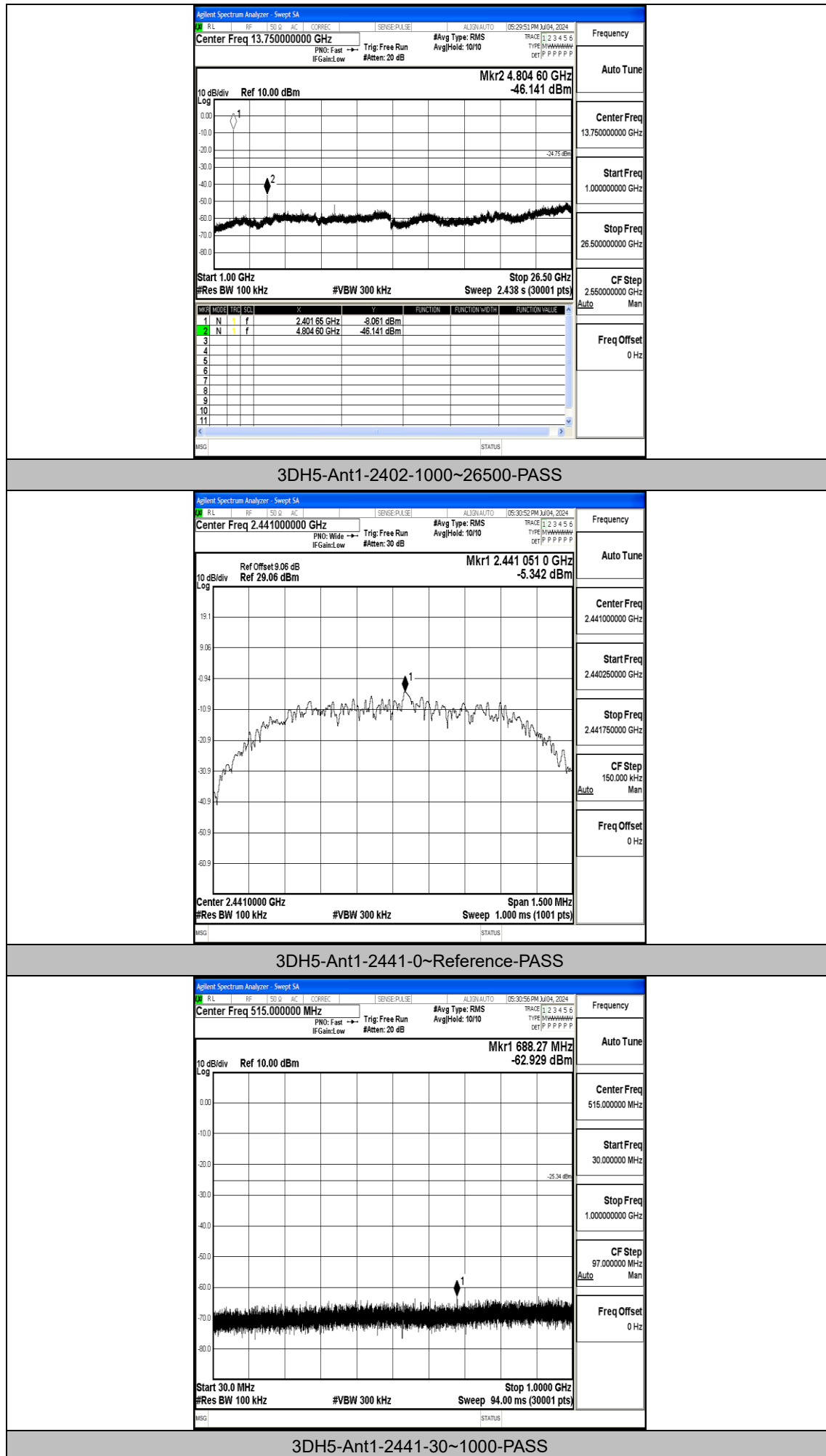
2DH5-Ant1-2480-1000~26500-PASS

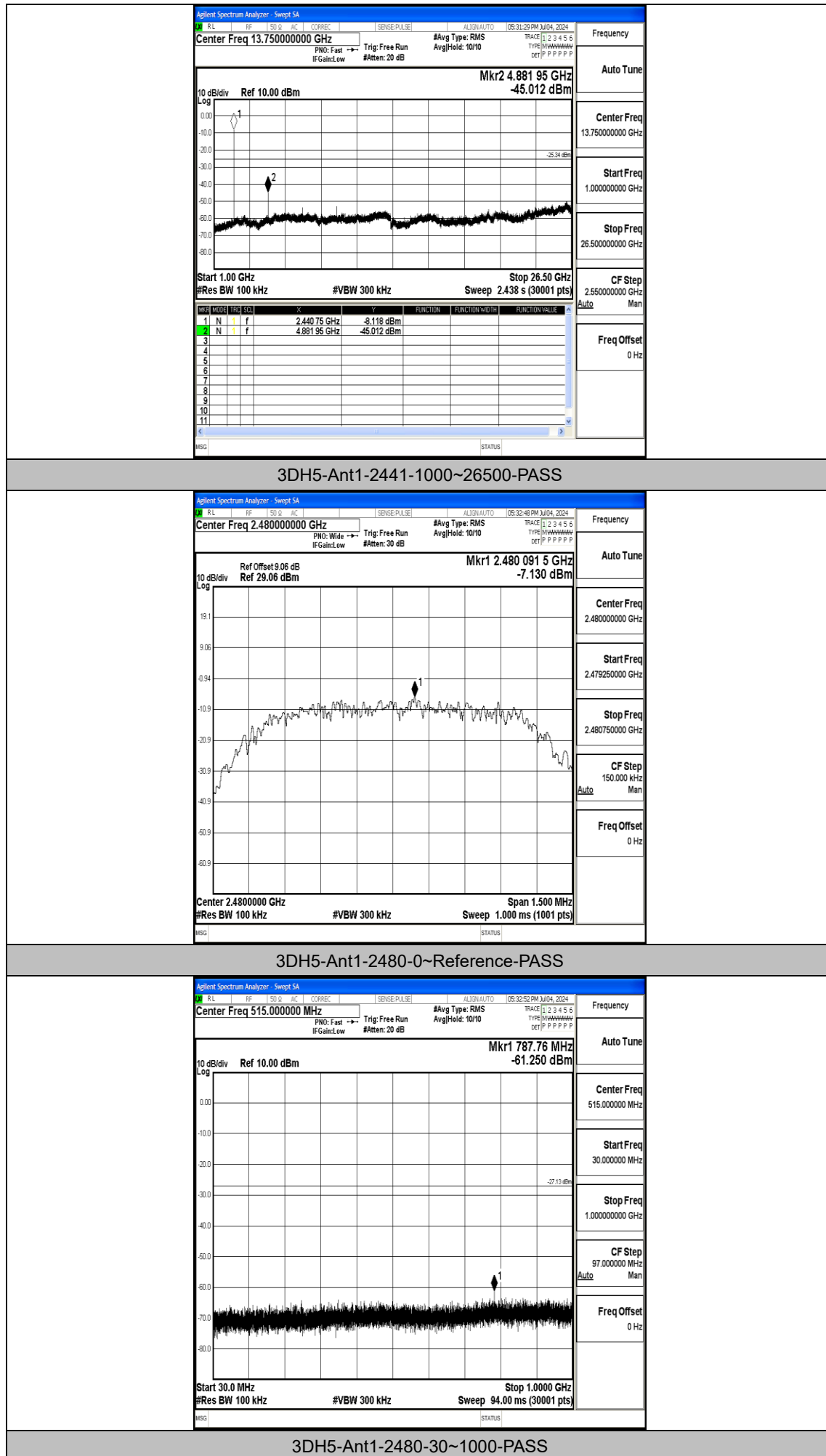


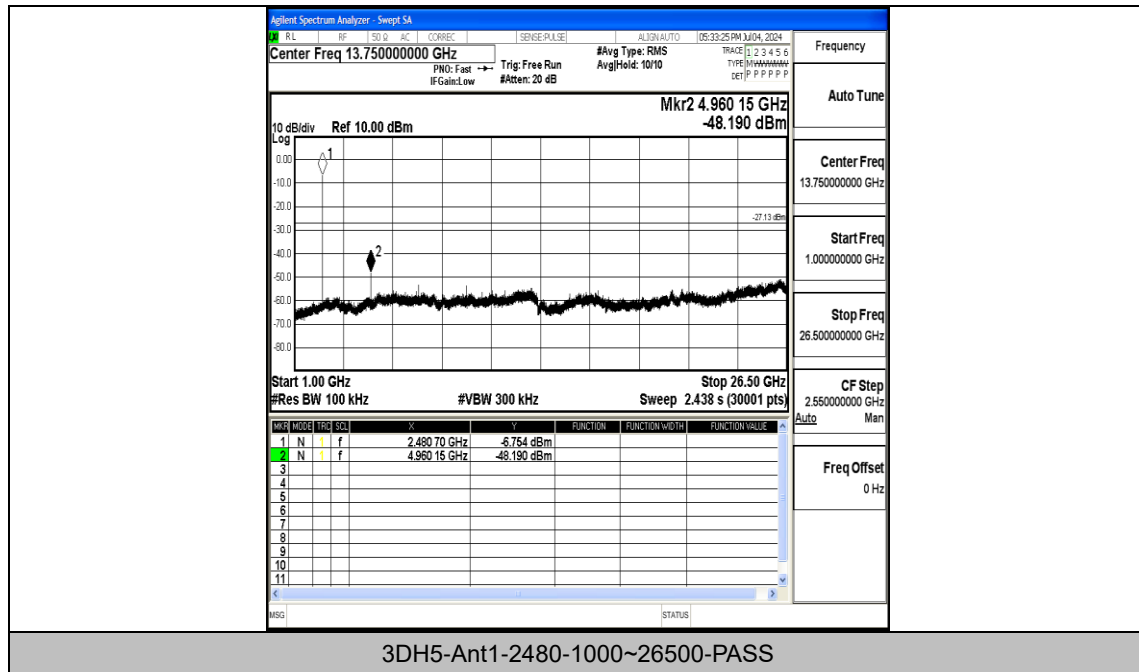
3DH5-Ant1-2402-0~Reference-PASS



3DH5-Ant1-2402-30~1000-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	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.92	3.75	77.87	1.09
2DH5	Ant1	2441	2.92	3.75	77.87	1.09
2DH5	Ant1	2480	2.92	3.75	77.87	1.09
3DH5	Ant1	2402	2.92	3.75	77.87	1.09
3DH5	Ant1	2441	2.93	3.75	78.13	1.07
3DH5	Ant1	2480	2.93	3.75	78.13	1.07

Test Graphs

