

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

Product Name: True wireless bluetooth headset

Trade Mark: /

Test Model: DM08

FCC ID: 2BHGK-DM08

Environmental Conditions

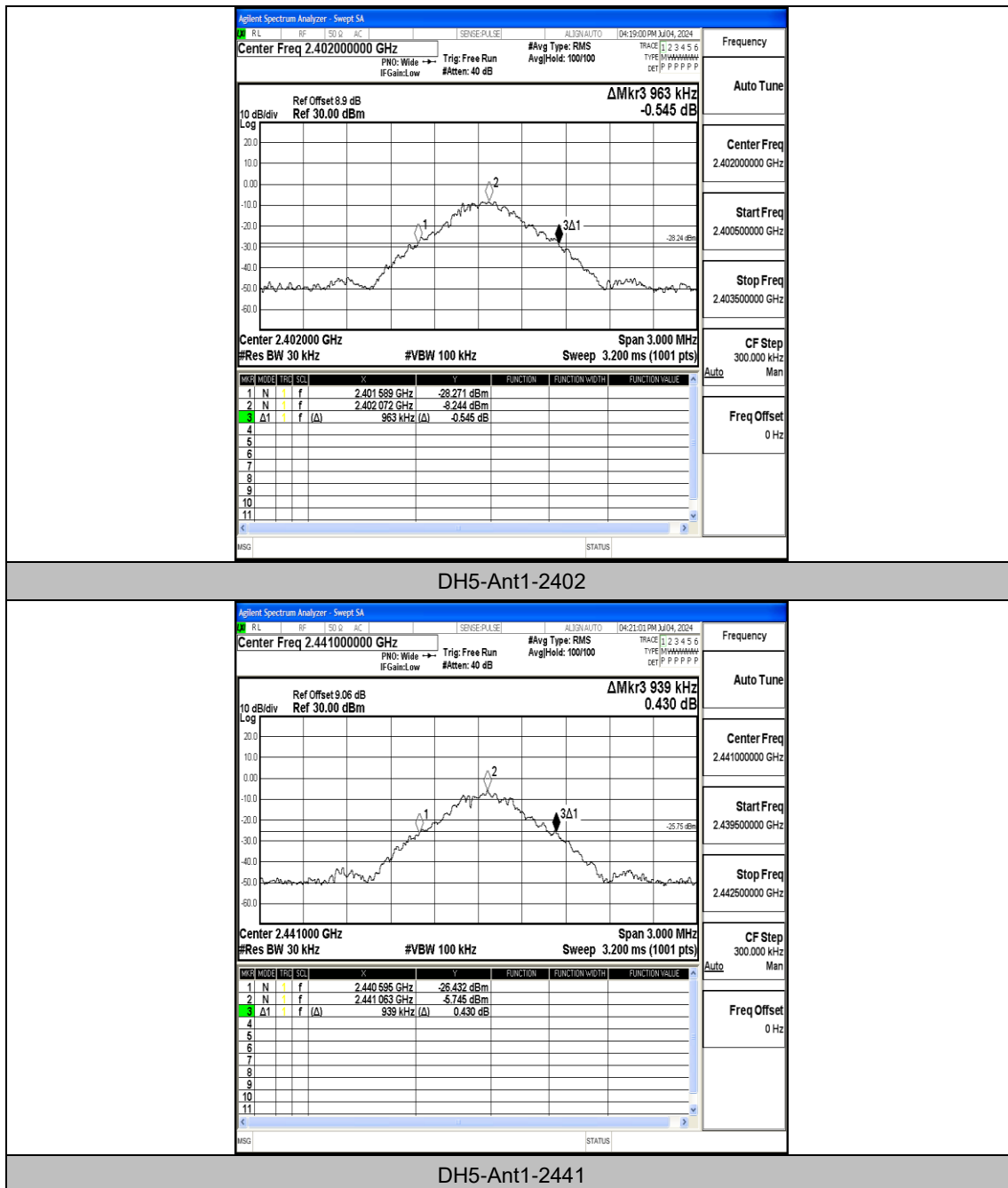
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

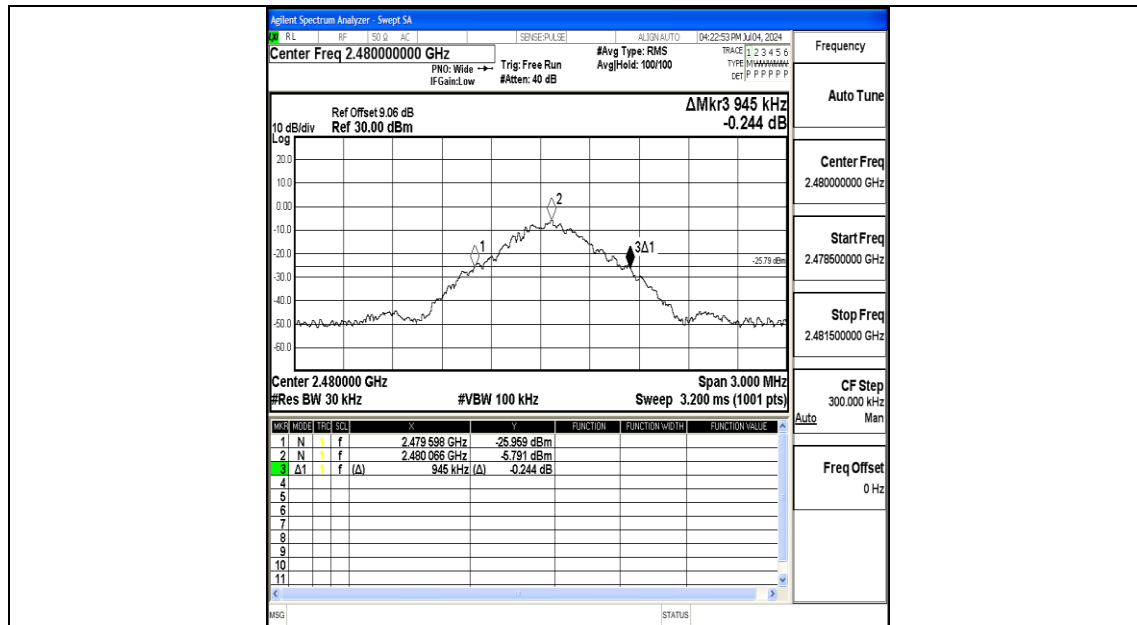
Appendix A: 20dB Emission Bandwidth

Test Result

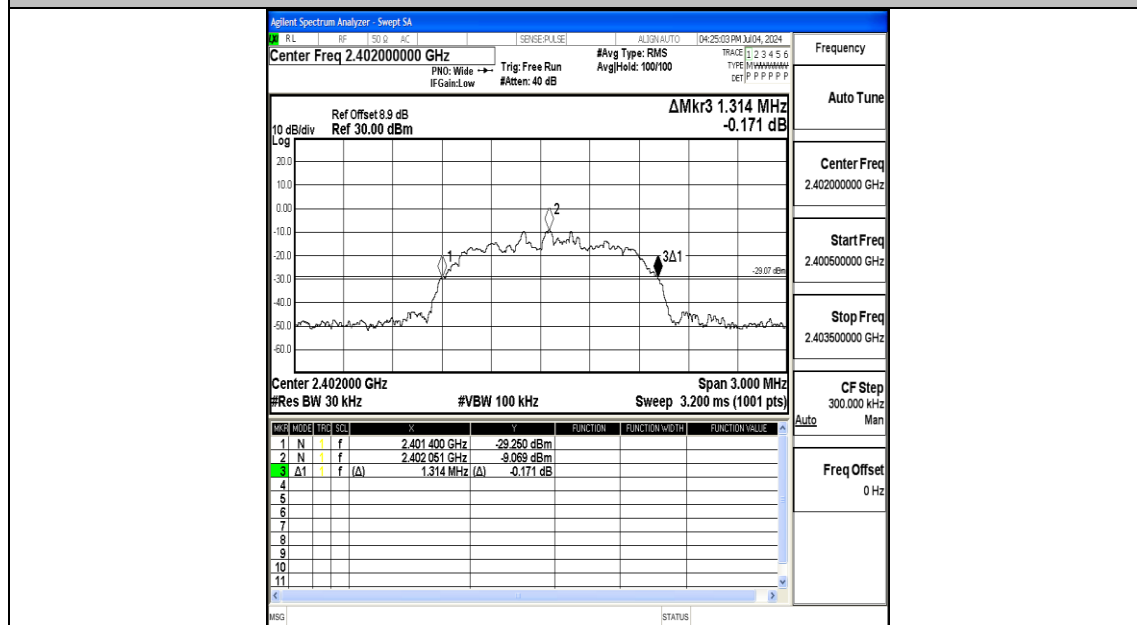
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.963	2401.589	2402.552	---	---
DH5	Ant1	2441	0.939	2440.595	2441.534	---	---
DH5	Ant1	2480	0.945	2479.598	2480.543	---	---
2DH5	Ant1	2402	1.314	2401.400	2402.714	---	---
2DH5	Ant1	2441	1.260	2440.430	2441.690	---	---
2DH5	Ant1	2480	1.269	2479.430	2480.699	---	---
3DH5	Ant1	2402	1.293	2401.418	2402.711	---	---
3DH5	Ant1	2441	1.299	2440.409	2441.708	---	---
3DH5	Ant1	2480	1.269	2479.415	2480.684	---	---

Test Graphs

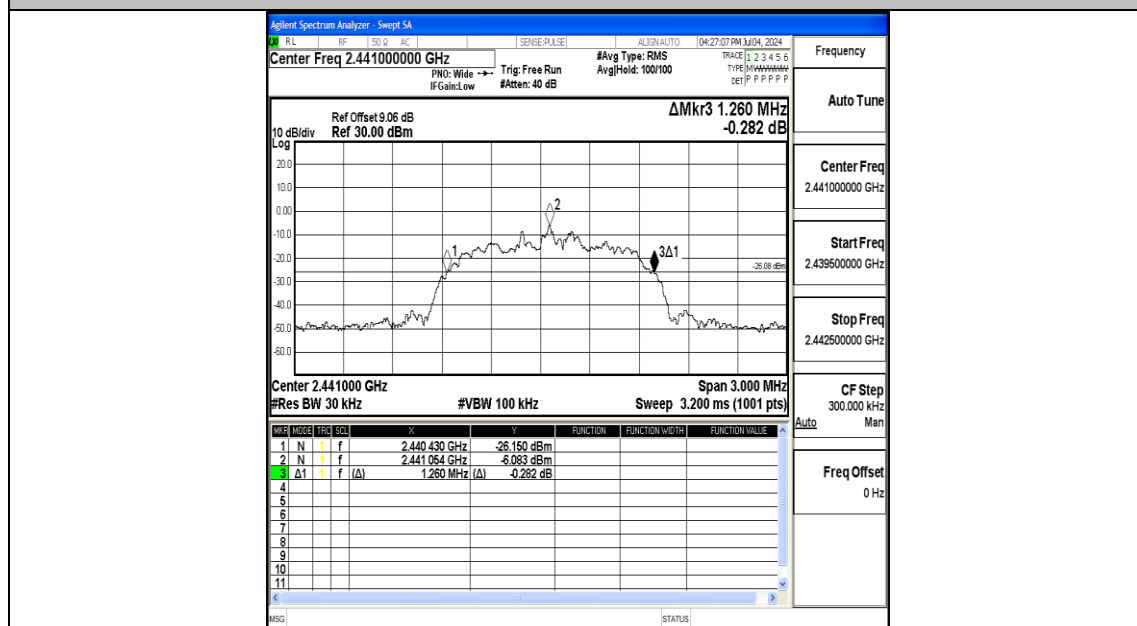




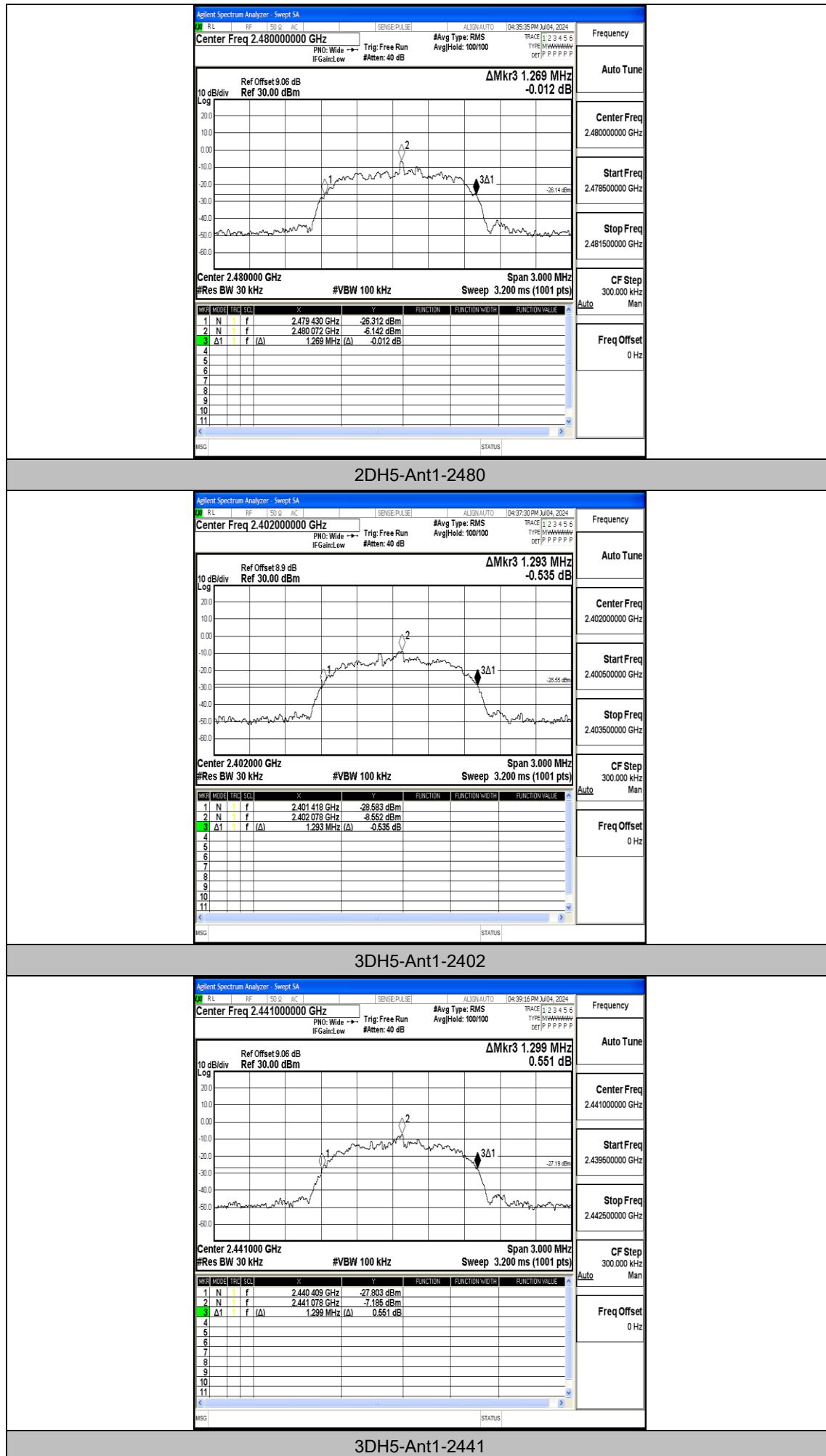
DH5-Ant1-2480

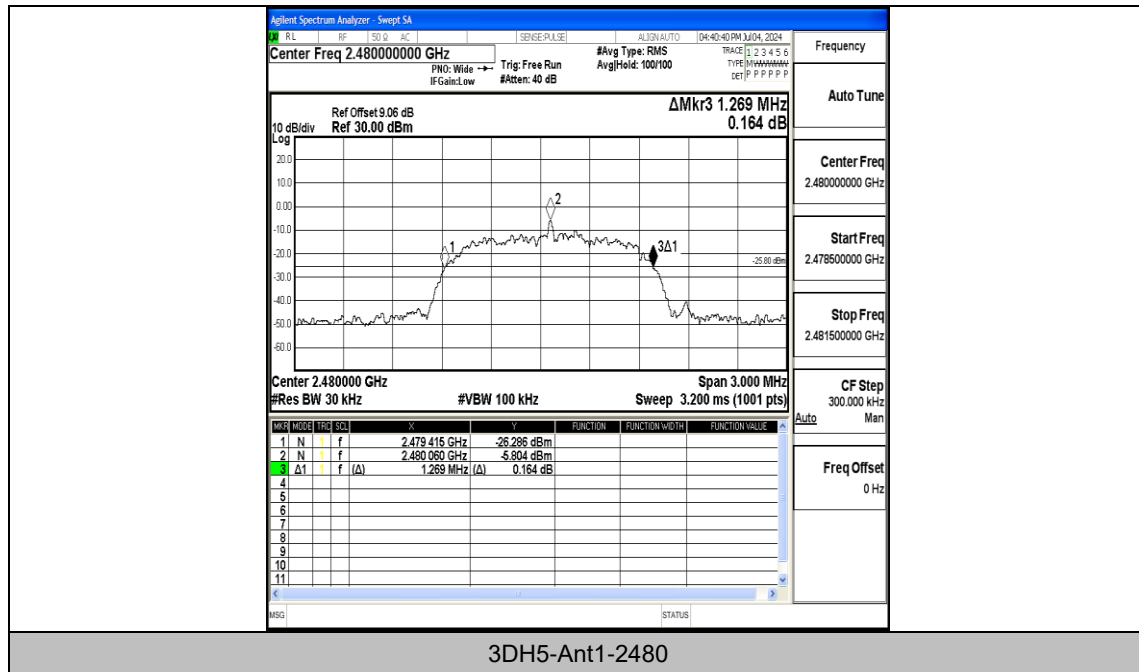


2DH5-Ant1-2402



2DH5-Ant1-2441



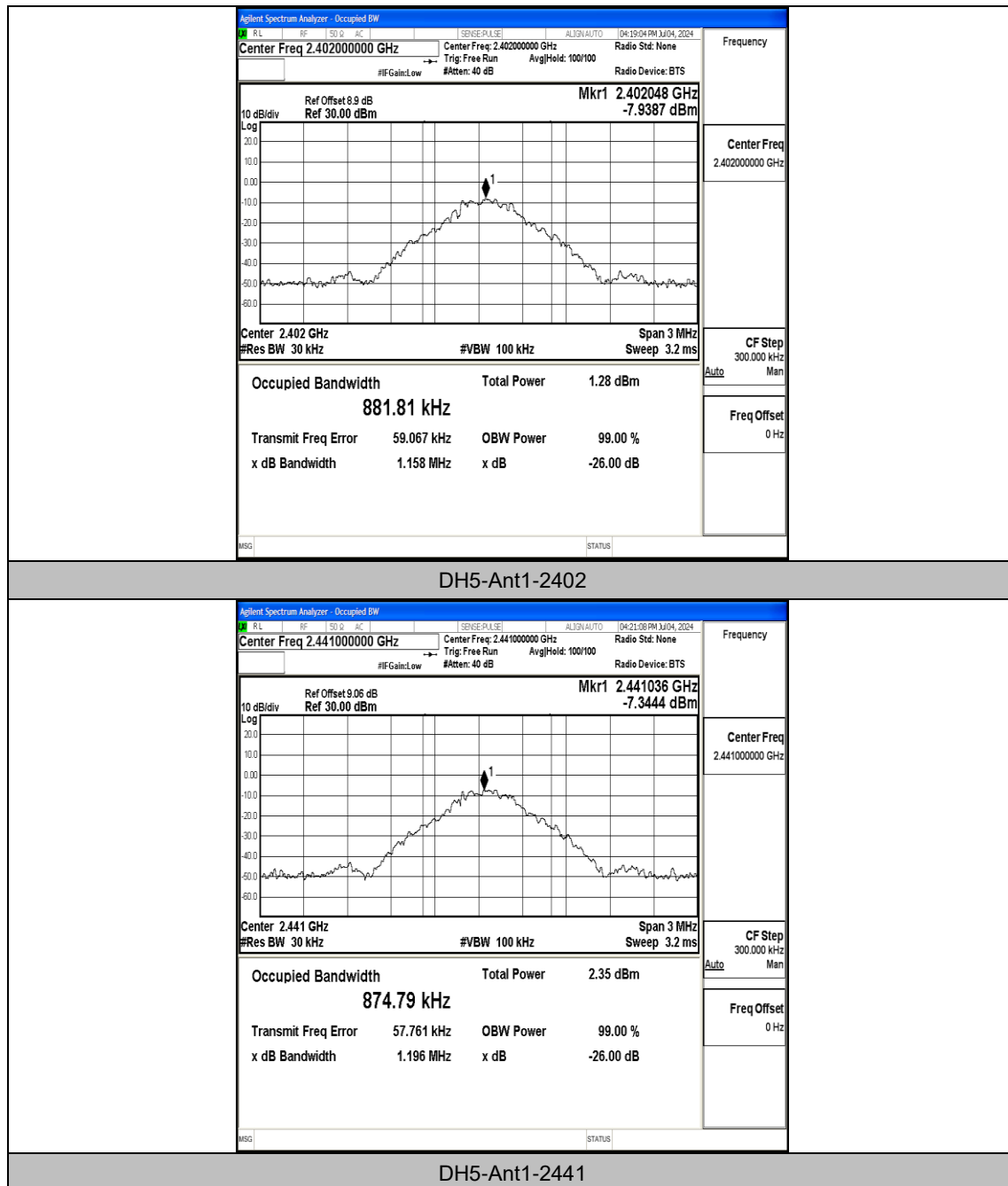


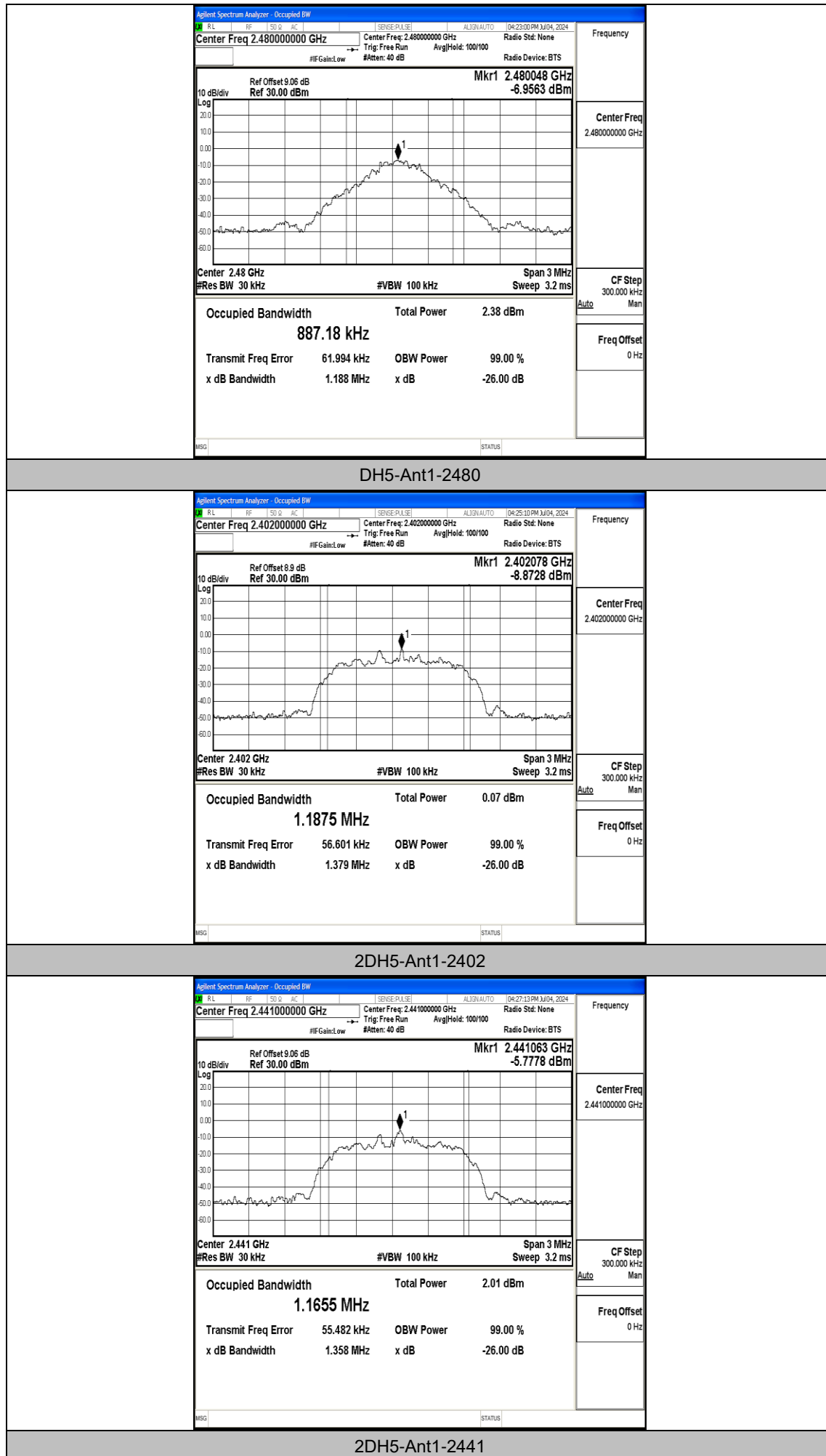
Appendix B: Occupied Channel Bandwidth

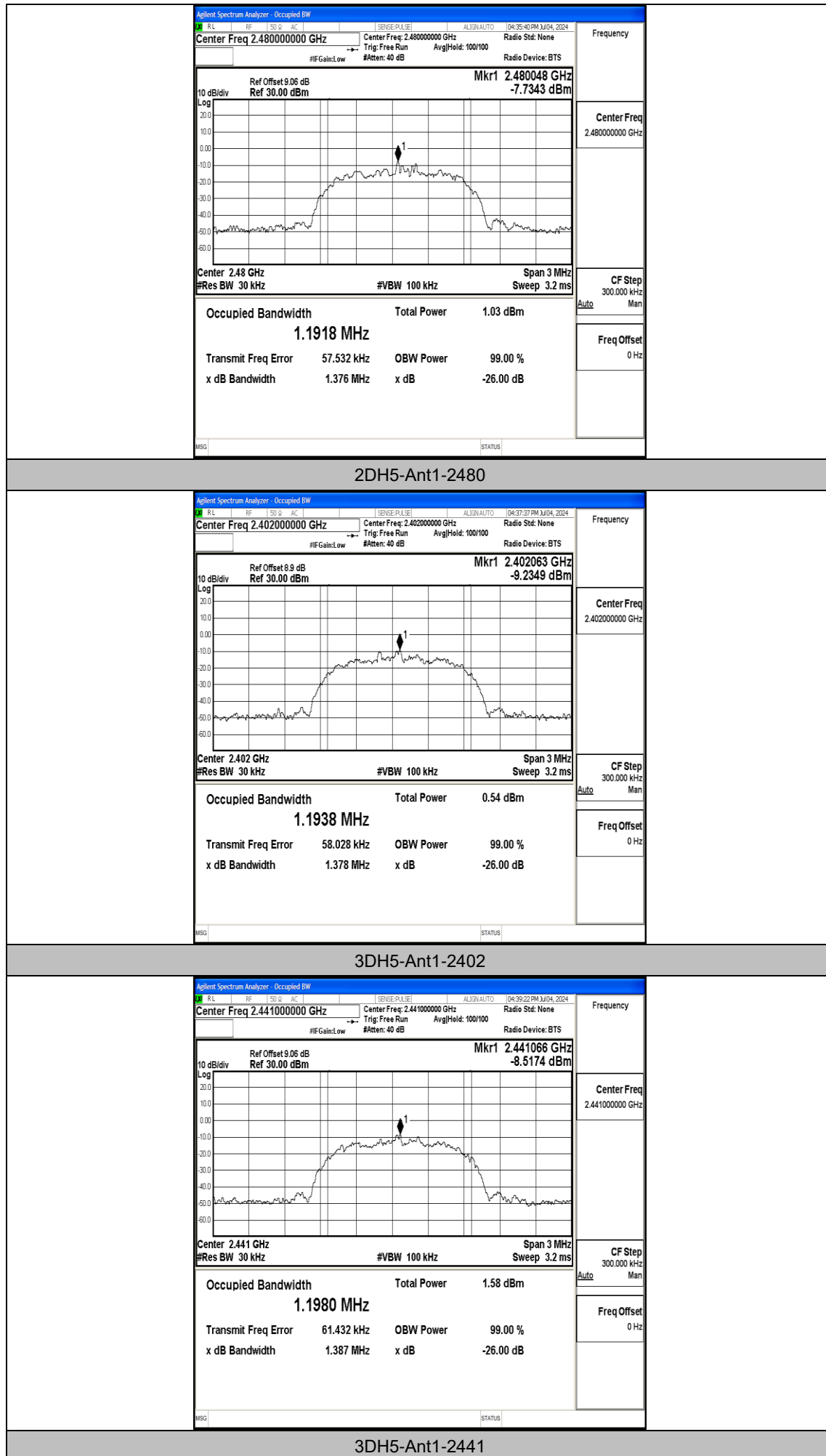
Test Result

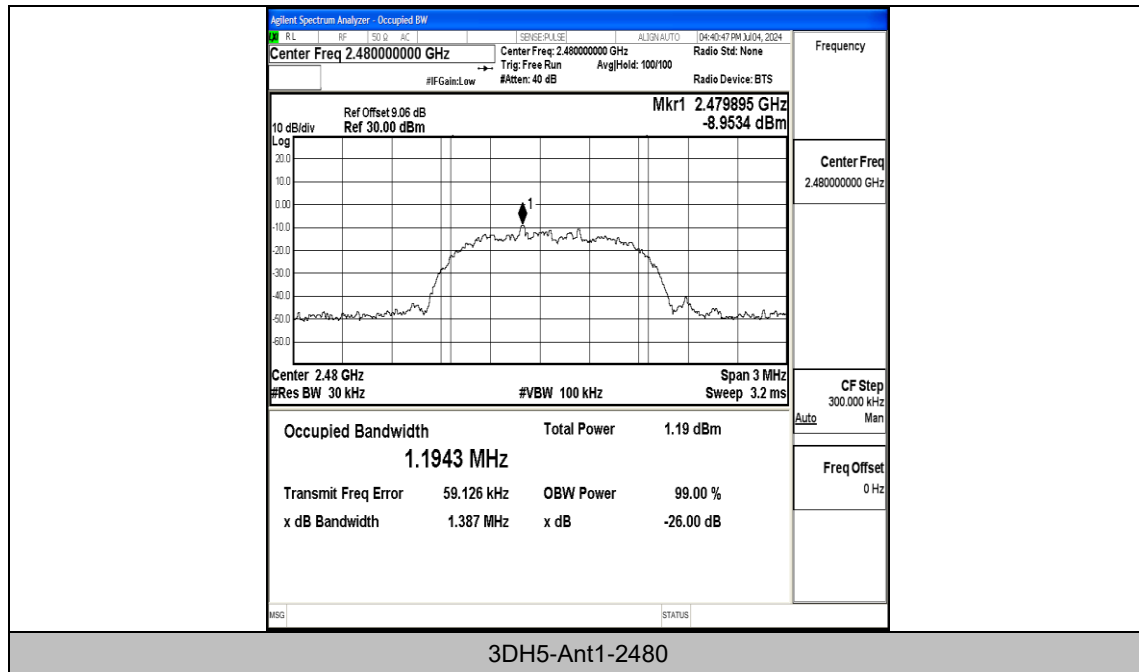
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88181	2401.6182	2402.5000	---	---
DH5	Ant1	2441	0.87479	2440.6204	2441.4952	---	---
DH5	Ant1	2480	0.88718	2479.6184	2480.5056	---	---
2DH5	Ant1	2402	1.1875	2401.4629	2402.6504	---	---
2DH5	Ant1	2441	1.1655	2440.4727	2441.6382	---	---
2DH5	Ant1	2480	1.1918	2479.4616	2480.6534	---	---
3DH5	Ant1	2402	1.1938	2401.4611	2402.6549	---	---
3DH5	Ant1	2441	1.1980	2440.4624	2441.6604	---	---
3DH5	Ant1	2480	1.1943	2479.4620	2480.6563	---	---

Test Graphs







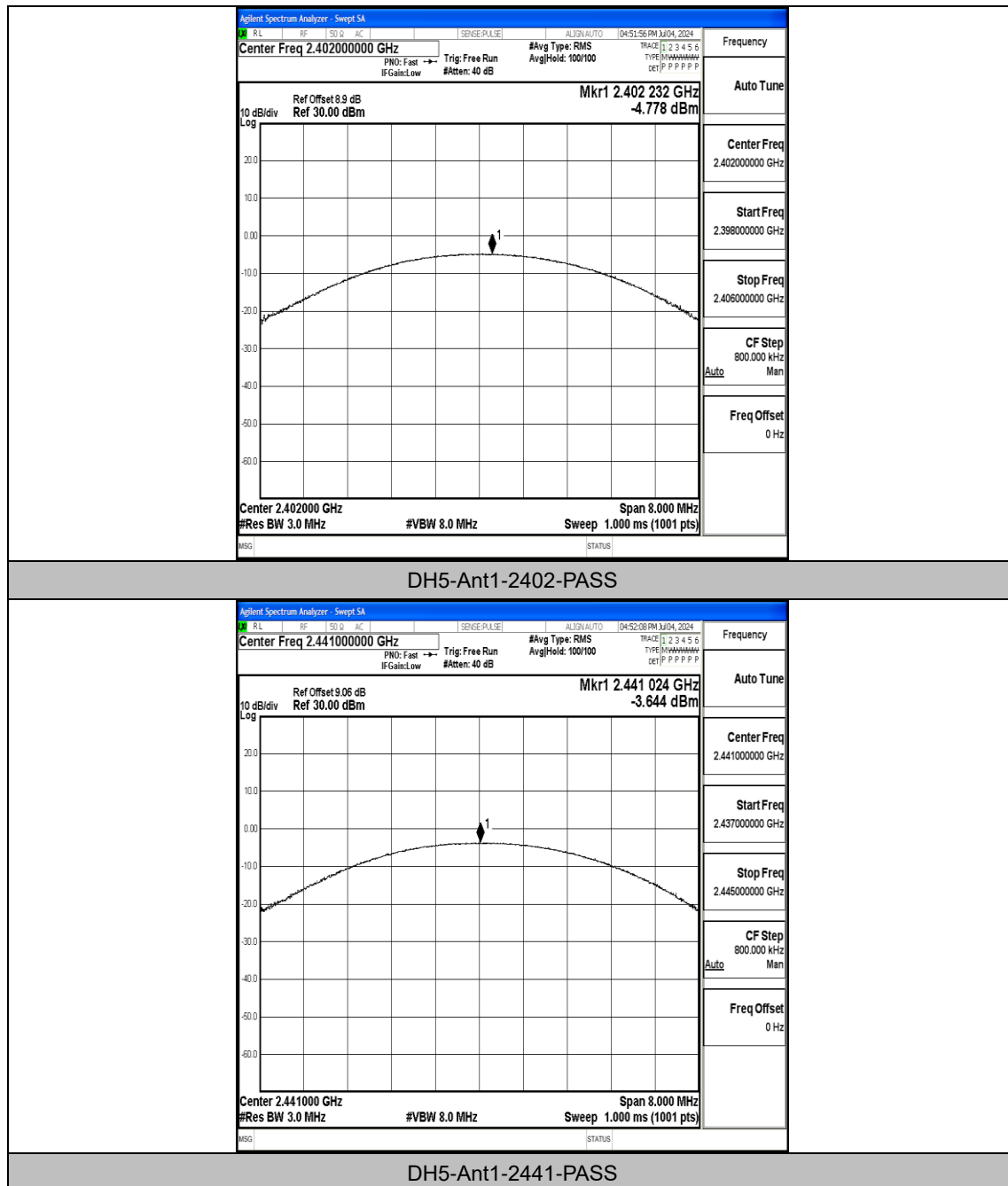


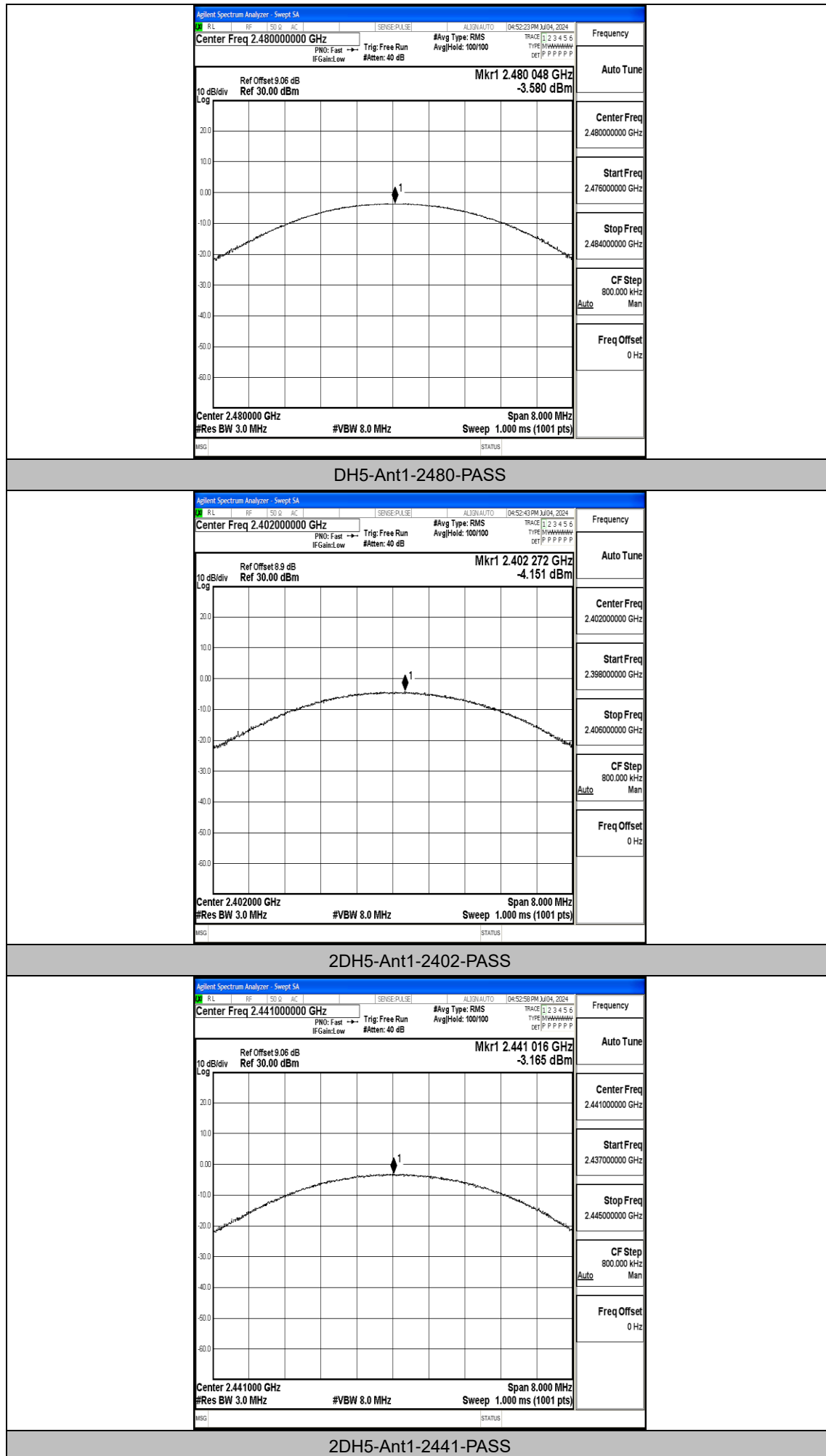
Appendix C: Maximum peak conducted output power

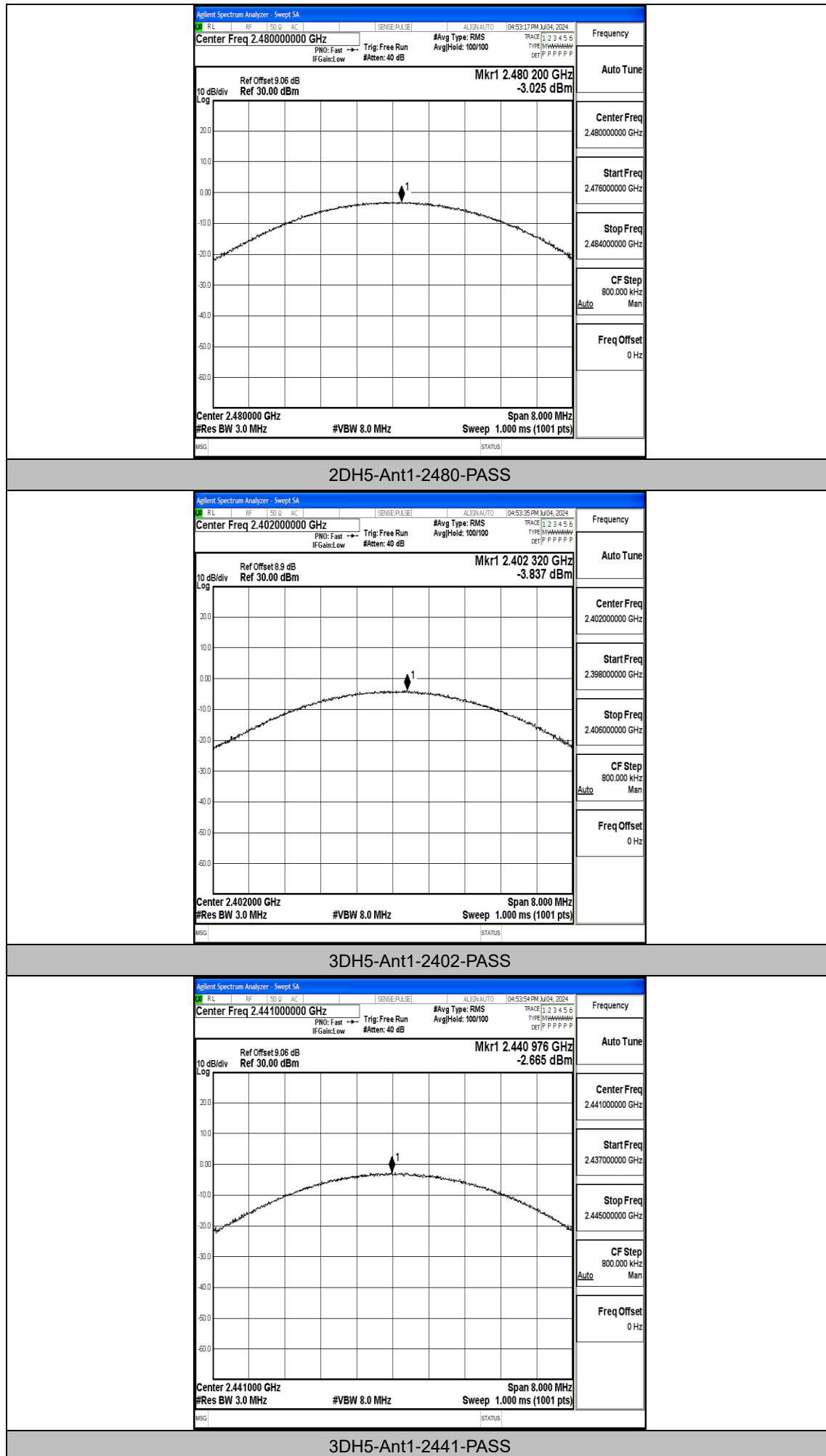
Test Result

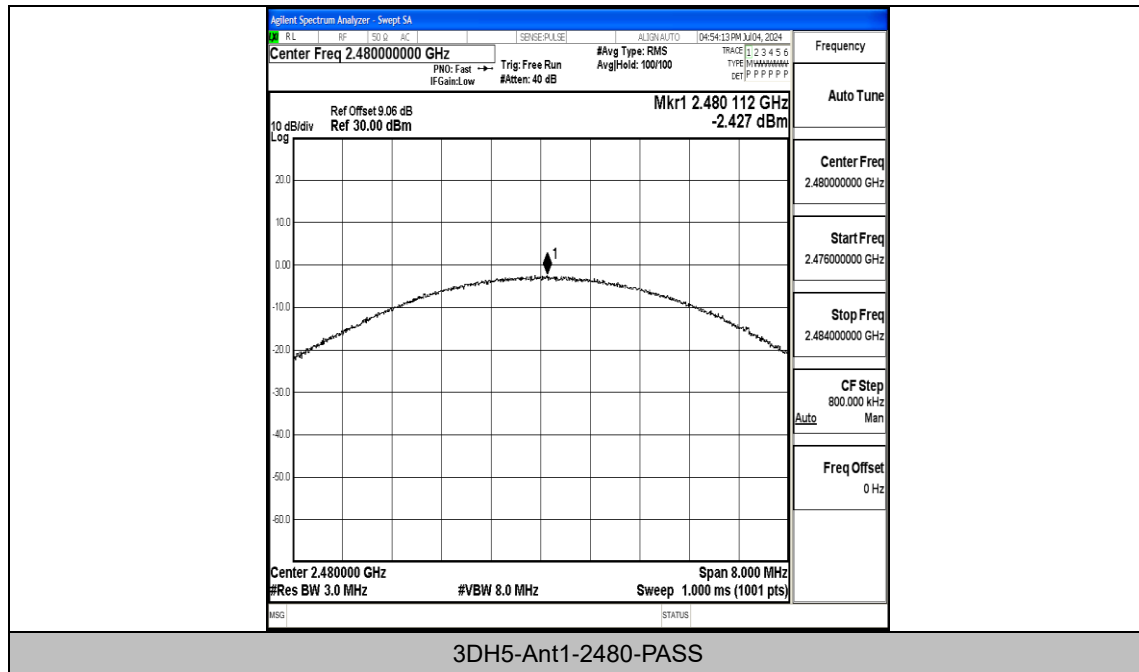
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-4.78	≤30	PASS
DH5	Ant1	2441	-3.64	≤30	PASS
DH5	Ant1	2480	-3.58	≤30	PASS
2DH5	Ant1	2402	-4.15	≤20.97	PASS
2DH5	Ant1	2441	-3.17	≤20.97	PASS
2DH5	Ant1	2480	-3.03	≤20.97	PASS
3DH5	Ant1	2402	-3.84	≤20.97	PASS
3DH5	Ant1	2441	-2.67	≤20.97	PASS
3DH5	Ant1	2480	-2.43	≤20.97	PASS

Test Graphs







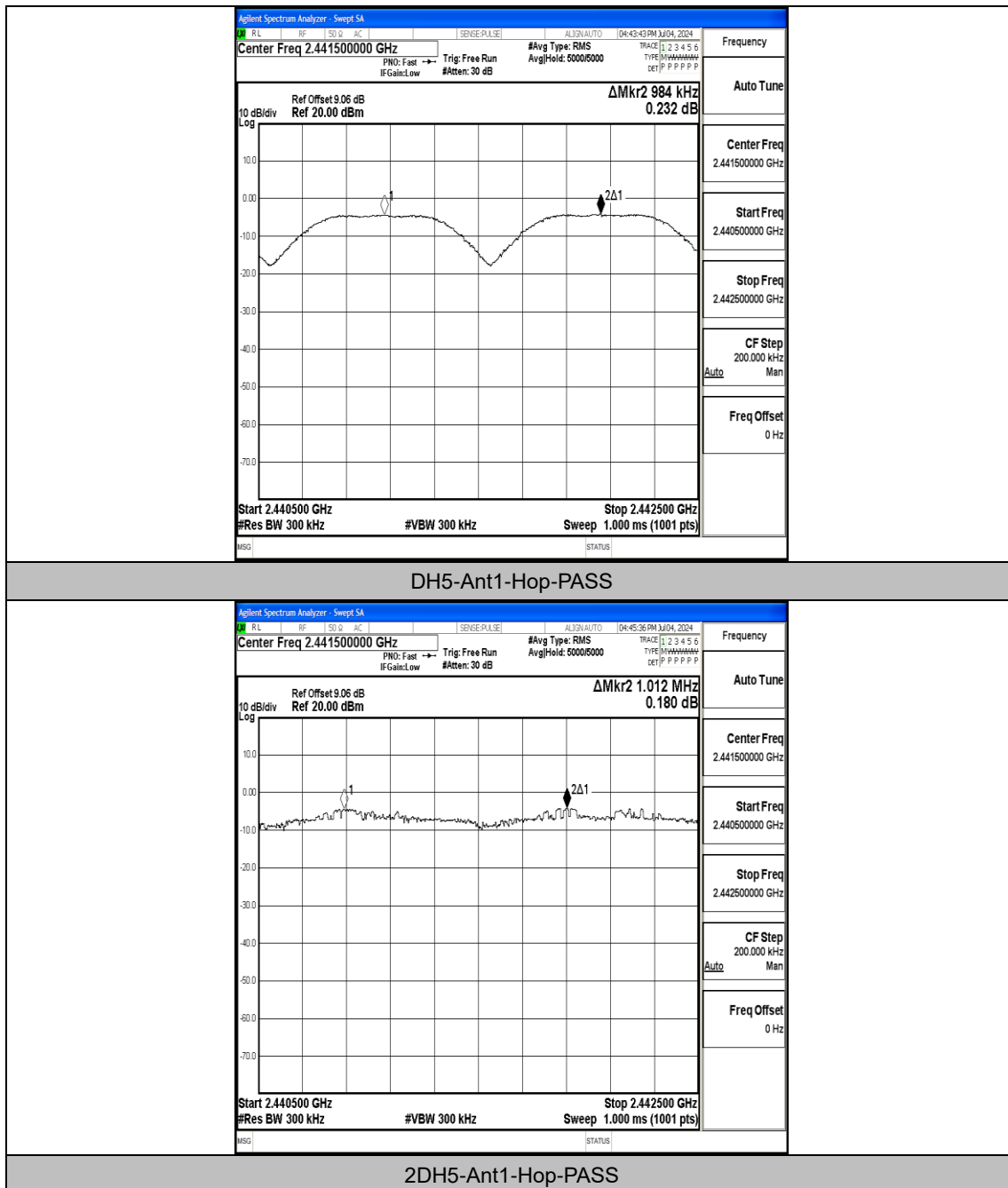


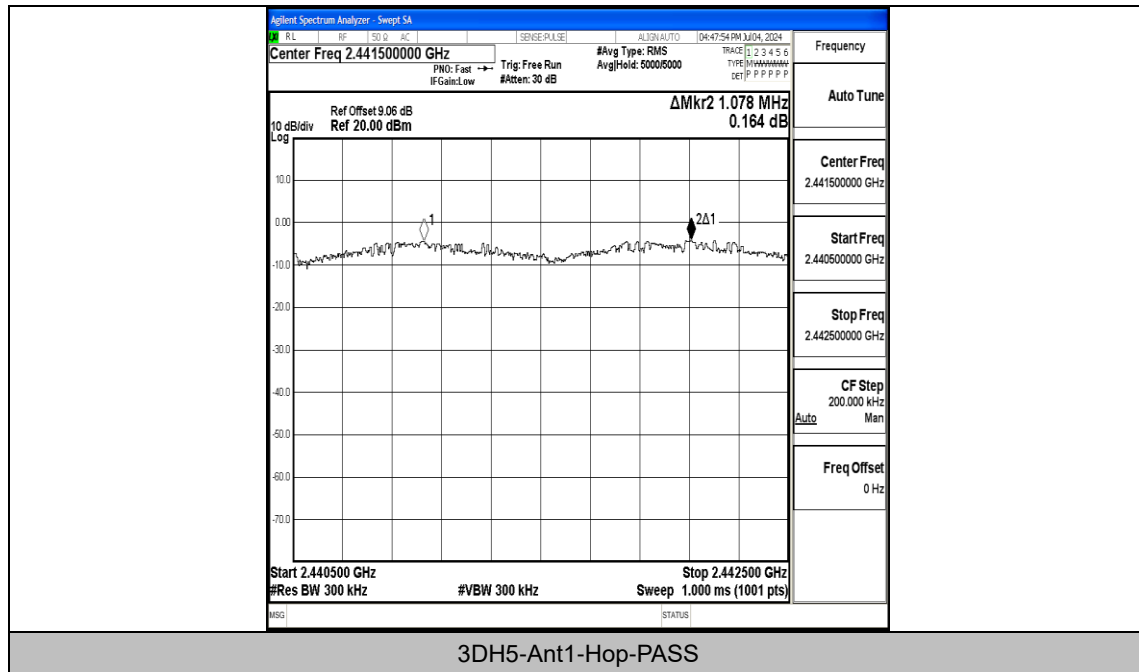
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.984	≥ 0.963	PASS
2DH5	Ant1	Hop	1.012	≥ 0.876	PASS
3DH5	Ant1	Hop	1.078	≥ 0.866	PASS

Test Graphs



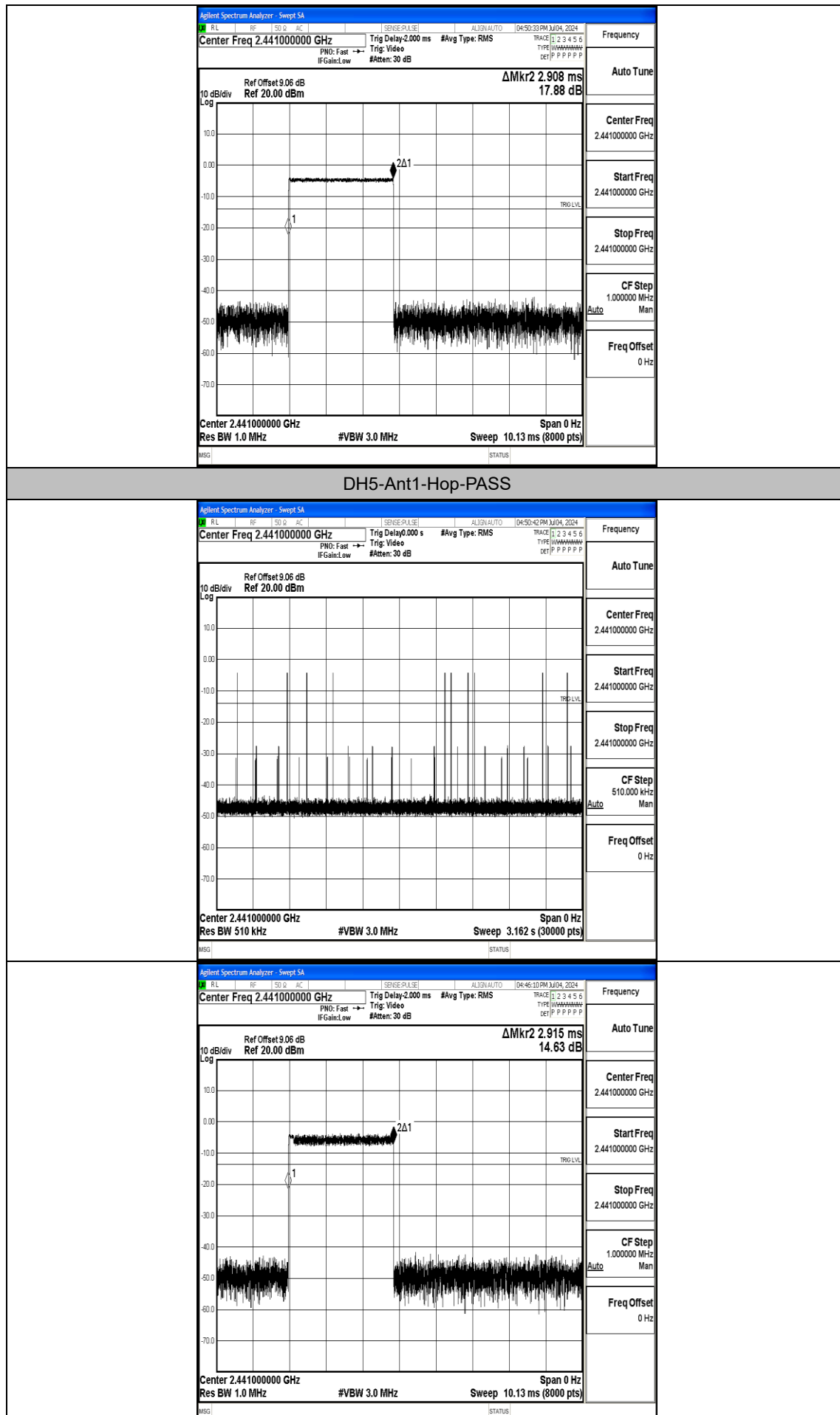


Appendix E: Time of occupancy

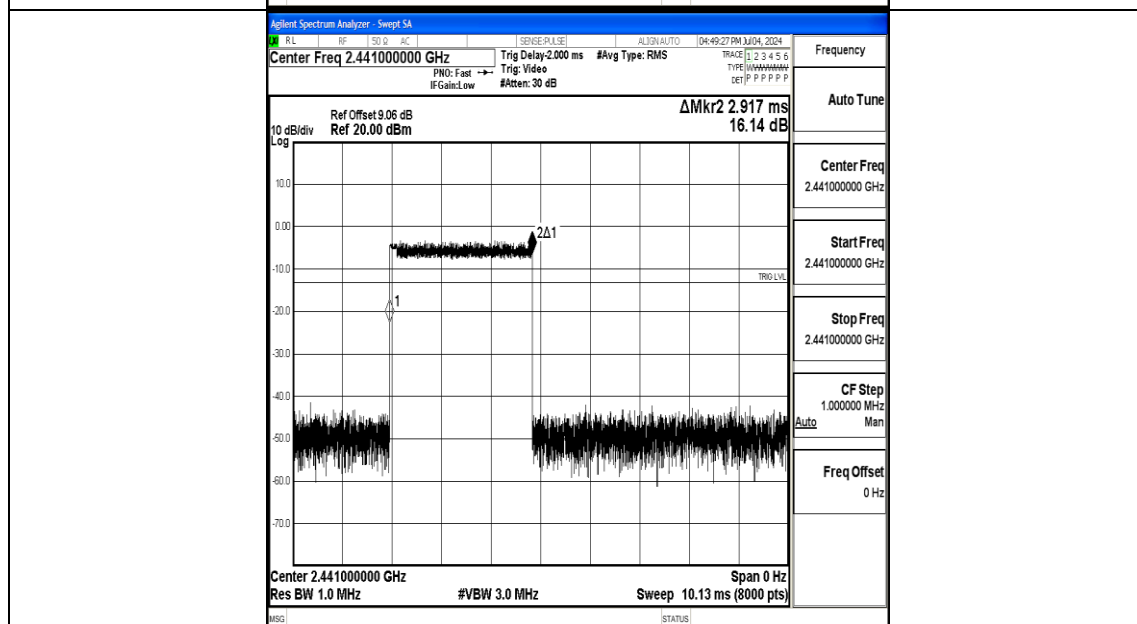
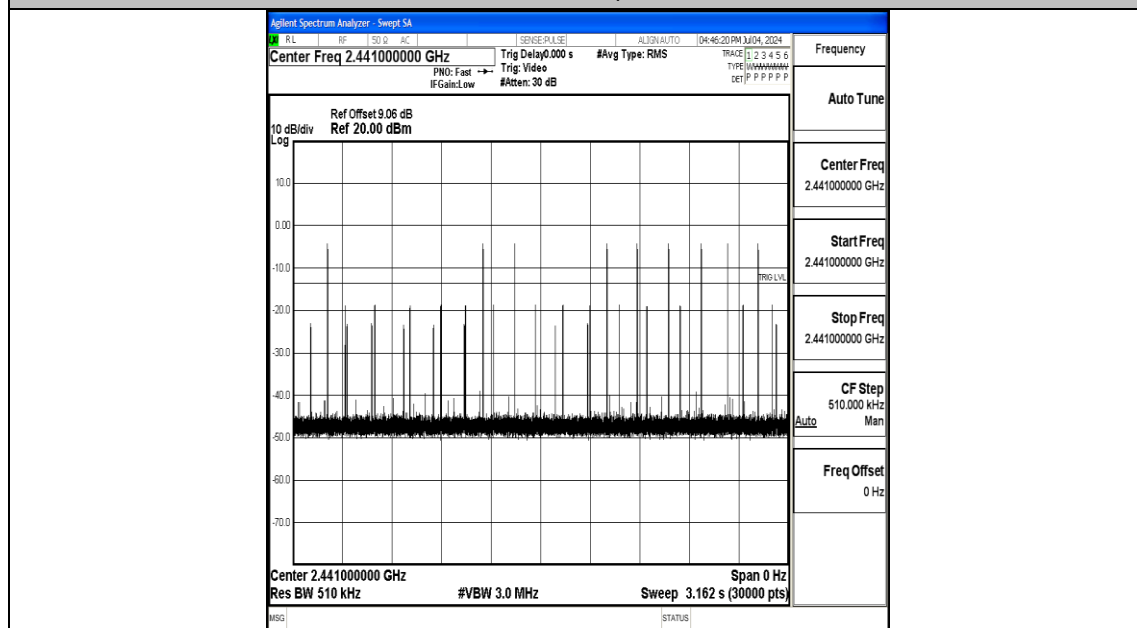
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	110	0.32	≤0.4	PASS
2DH5	Ant1	Hop	2.915	100	0.292	≤0.4	PASS
3DH5	Ant1	Hop	2.917	90	0.263	≤0.4	PASS

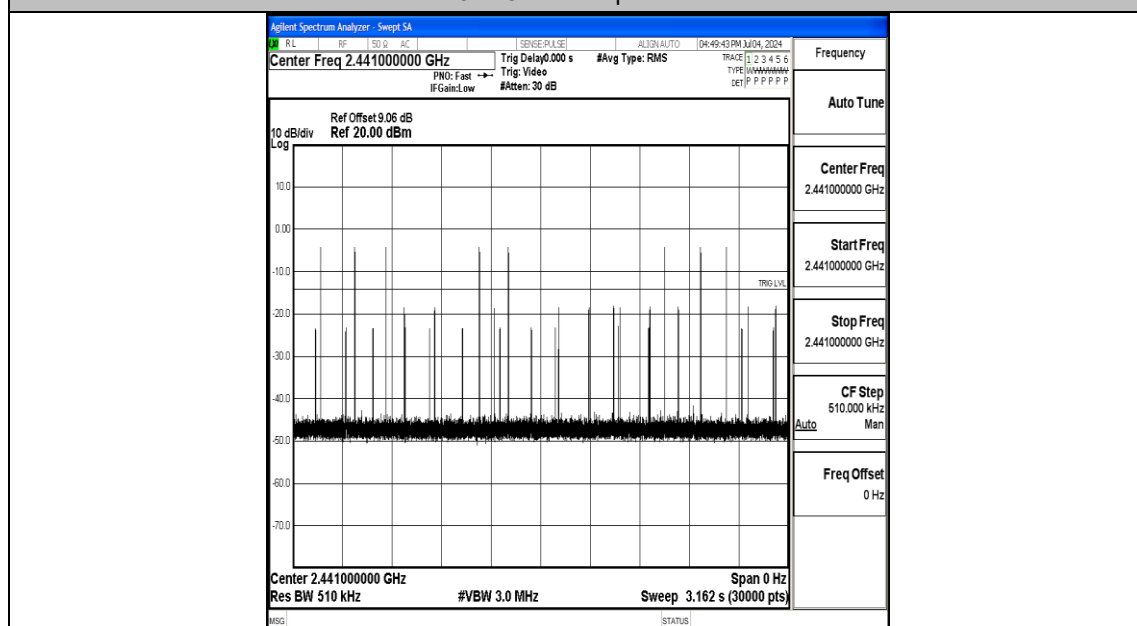
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

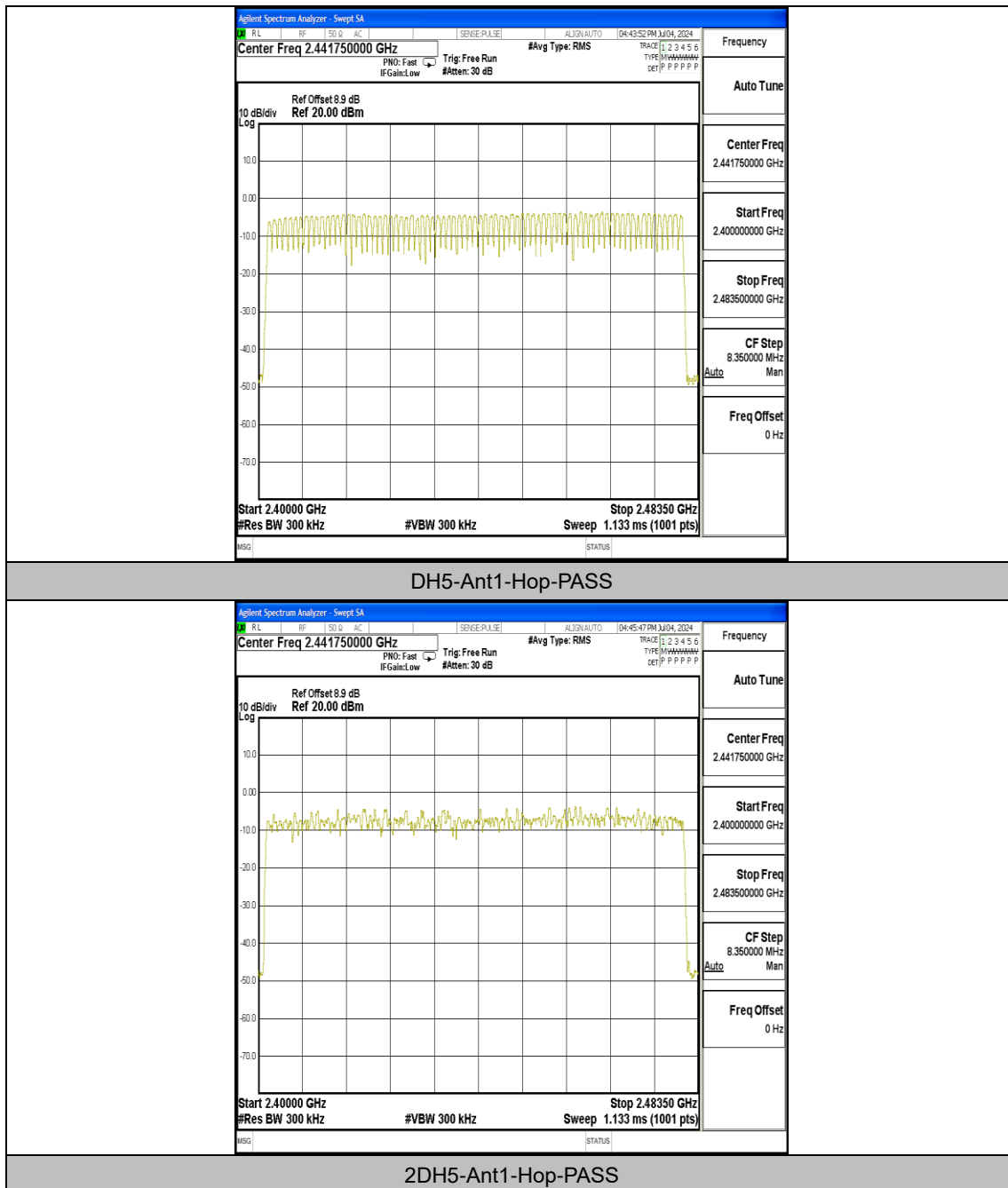


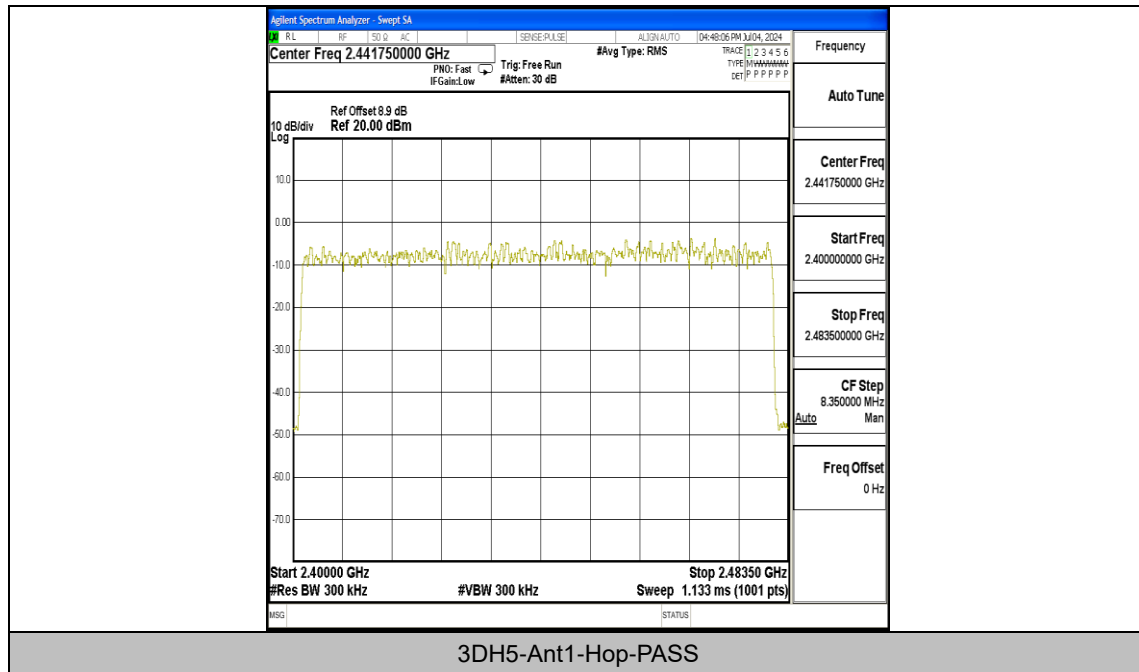
Appendix F: Number of hopping channels

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



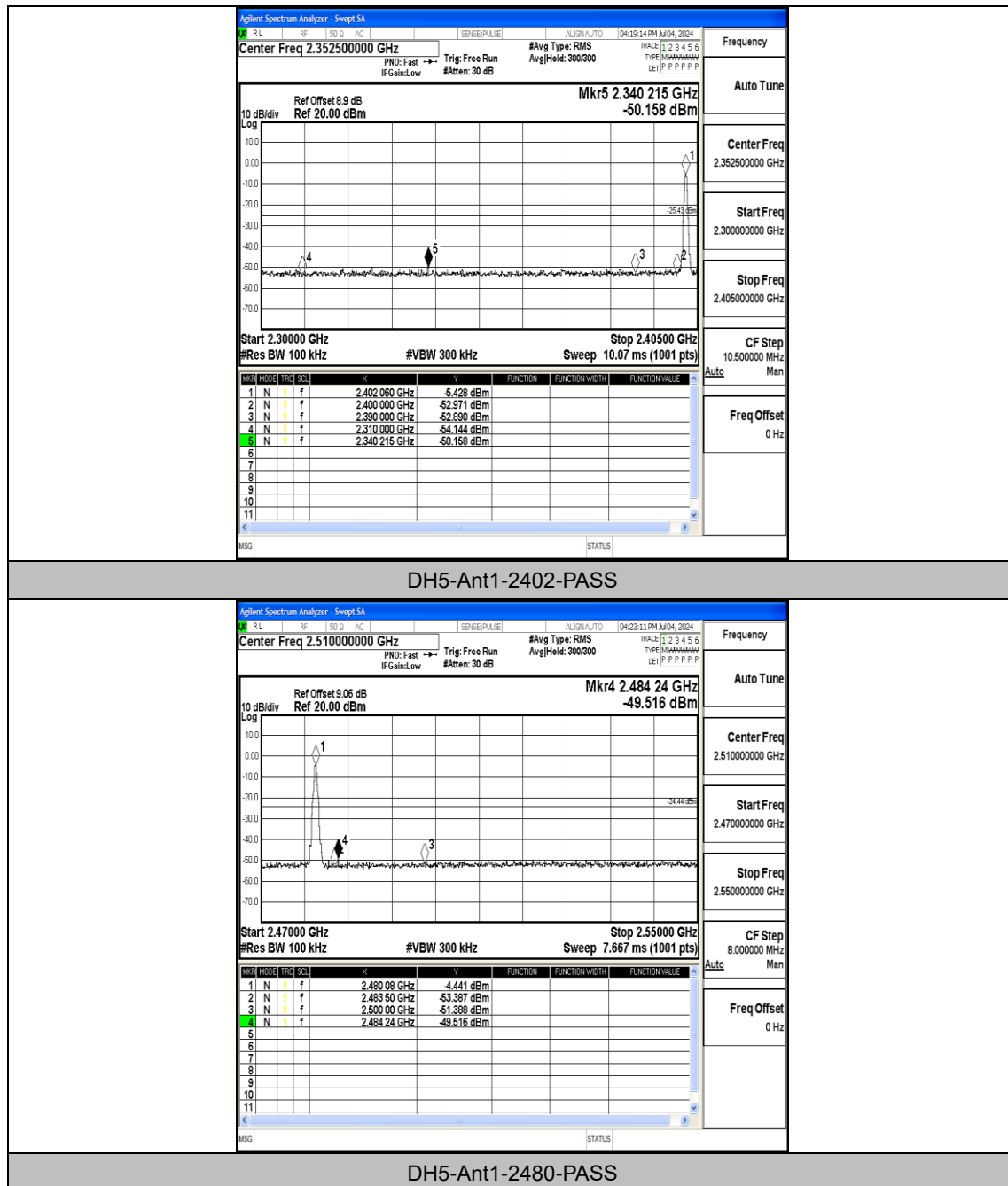


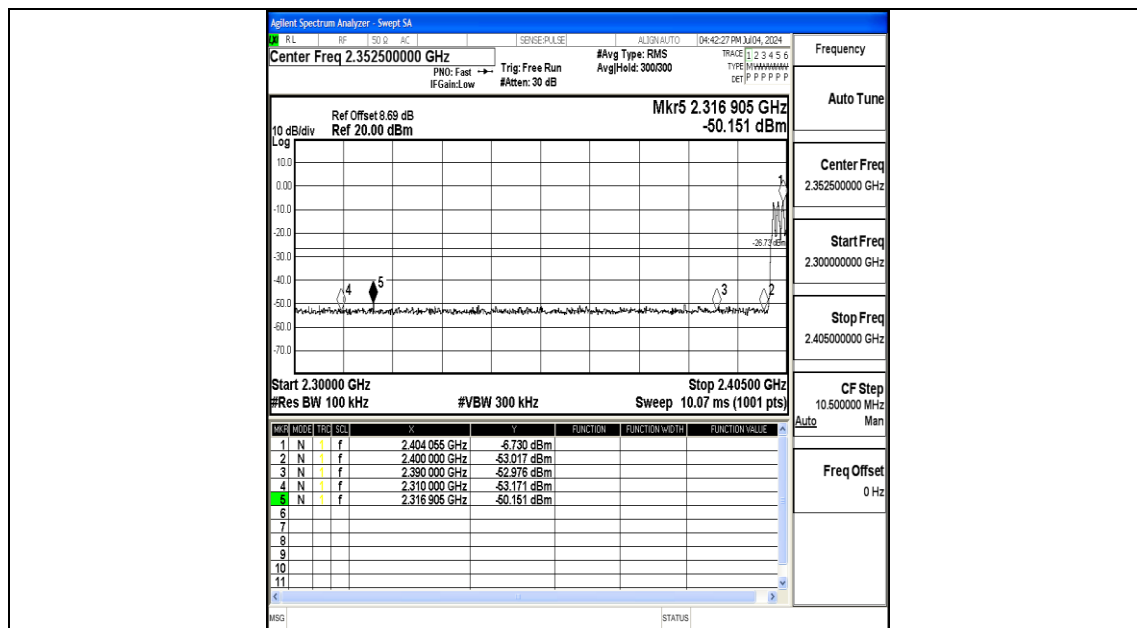
Appendix G: Band edge measurements

Test Result

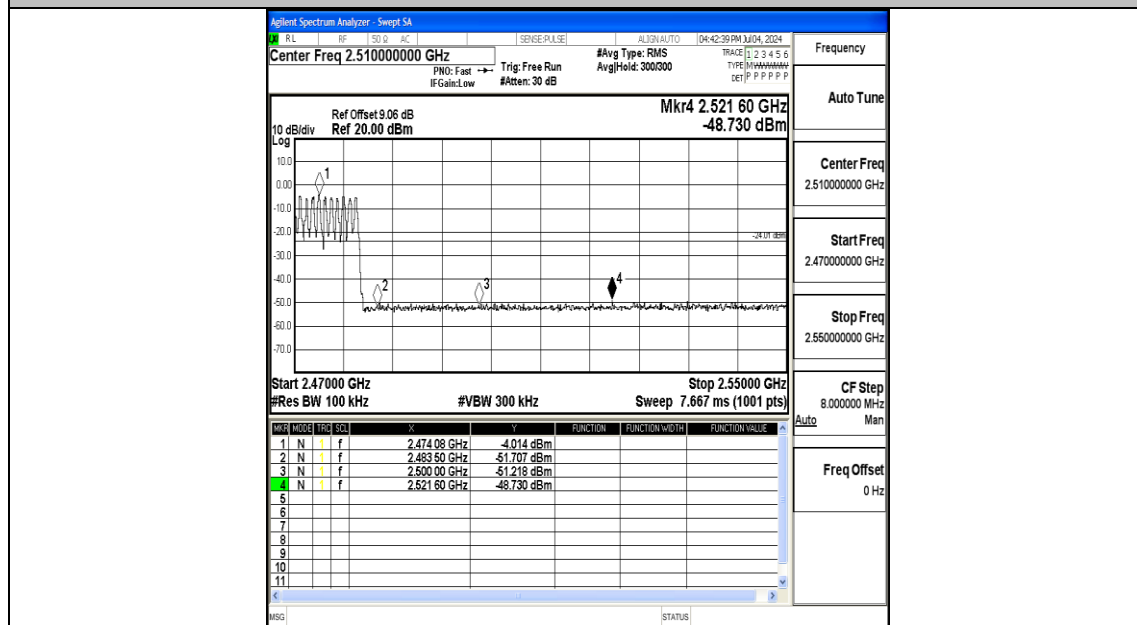
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-5.43	-50.16	≤-25.43	PASS
DH5	Ant1	High	2480	-4.44	-49.52	≤-24.44	PASS
DH5	Ant1	Low	Hop_2402	-6.73	-50.15	≤-26.73	PASS
DH5	Ant1	High	Hop_2480	-4.01	-48.73	≤-24.01	PASS
2DH5	Ant1	Low	2402	-5.77	-50.29	≤-25.77	PASS
2DH5	Ant1	High	2480	-4.64	-49.78	≤-24.64	PASS
2DH5	Ant1	Low	Hop_2402	-6.65	-50.33	≤-26.65	PASS
2DH5	Ant1	High	Hop_2480	-5.05	-49.68	≤-25.05	PASS
3DH5	Ant1	Low	2402	-5.76	-50.6	≤-25.76	PASS
3DH5	Ant1	High	2480	-4.38	-49.55	≤-24.38	PASS
3DH5	Ant1	Low	Hop_2402	-6.79	-50.14	≤-26.79	PASS
3DH5	Ant1	High	Hop_2480	-4.49	-49.1	≤-24.49	PASS

Test Graphs

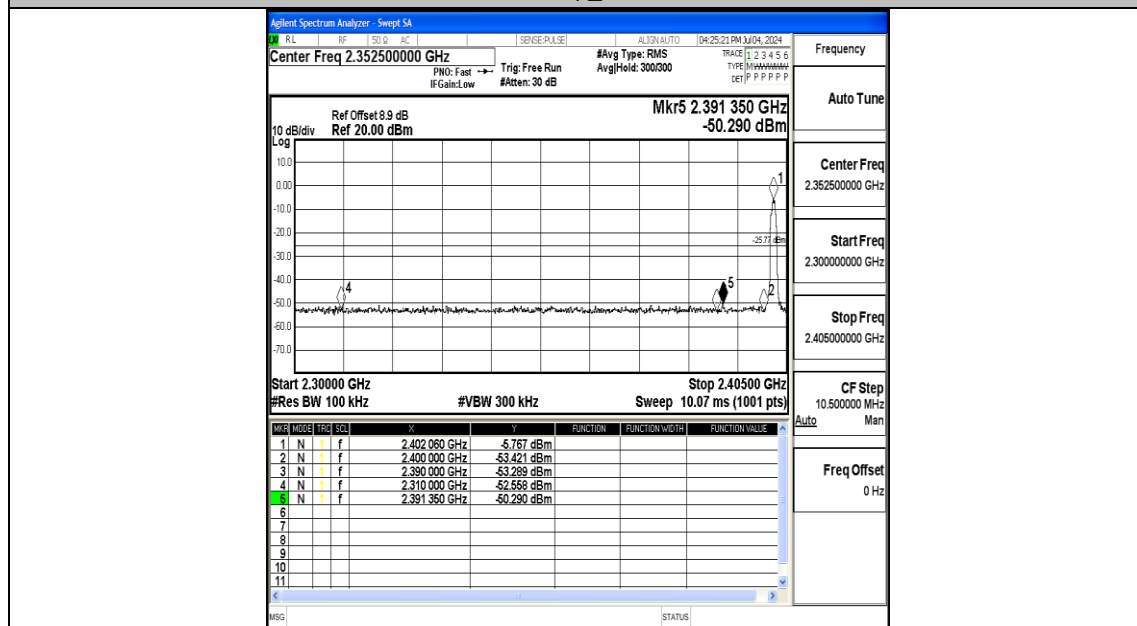




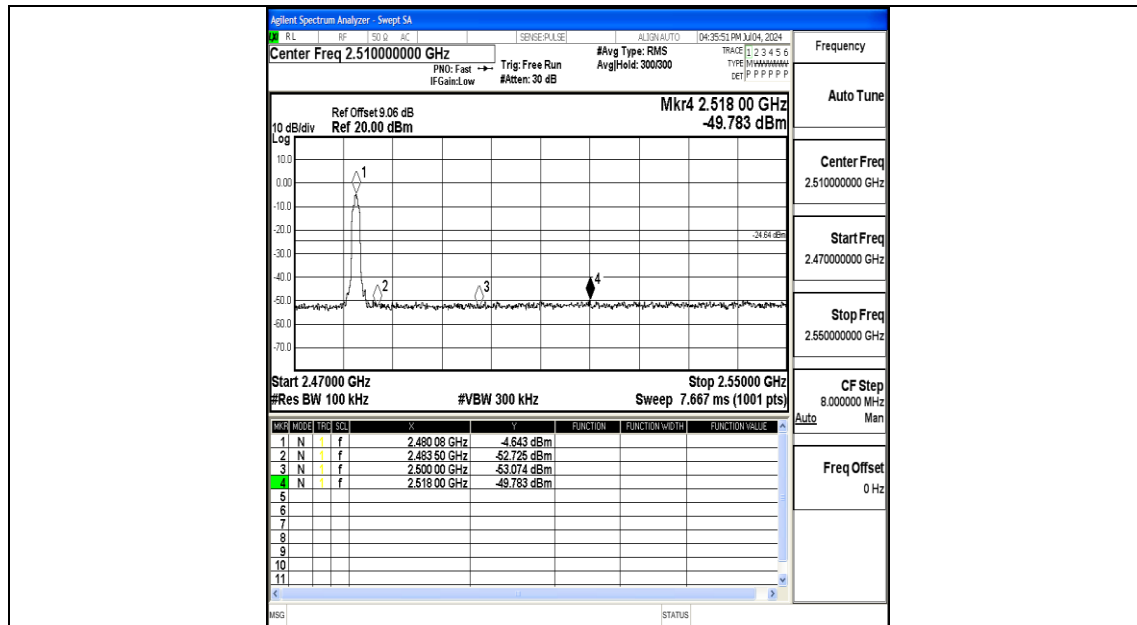
DH5-Ant1-Hop_2402-PASS



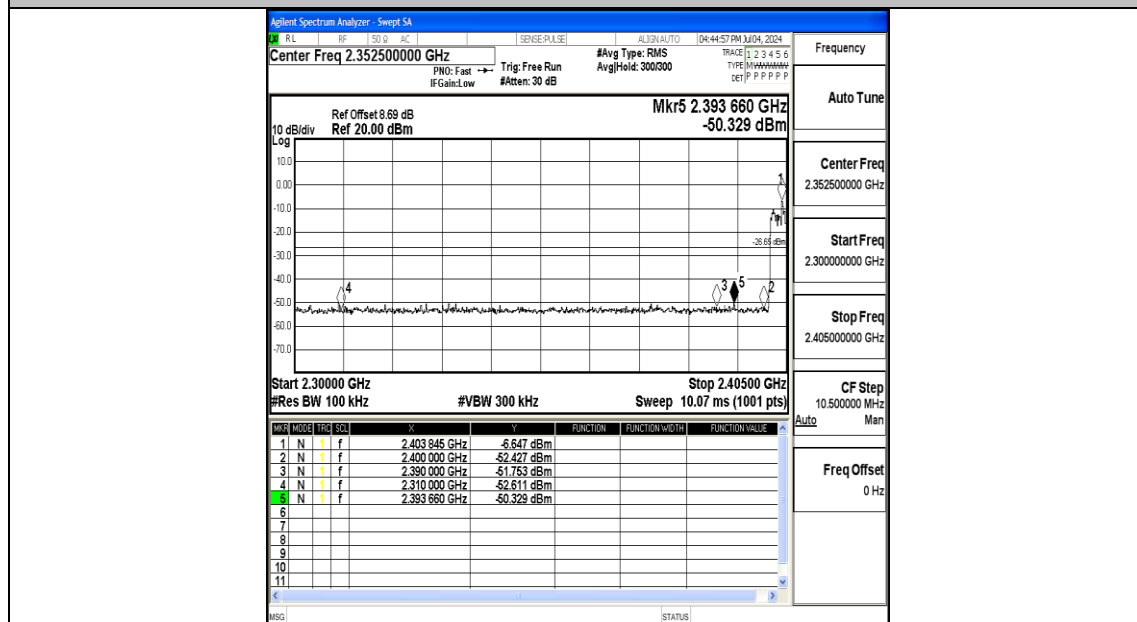
DH5-Ant1-Hop_2480-PASS



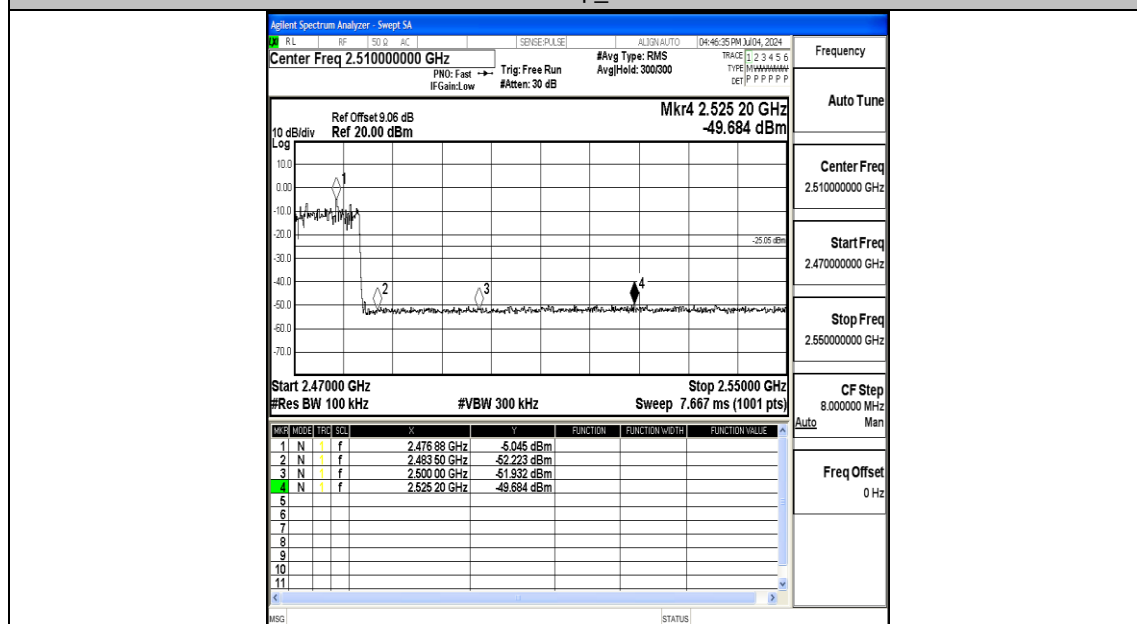
2DH5-Ant1-2402-PASS



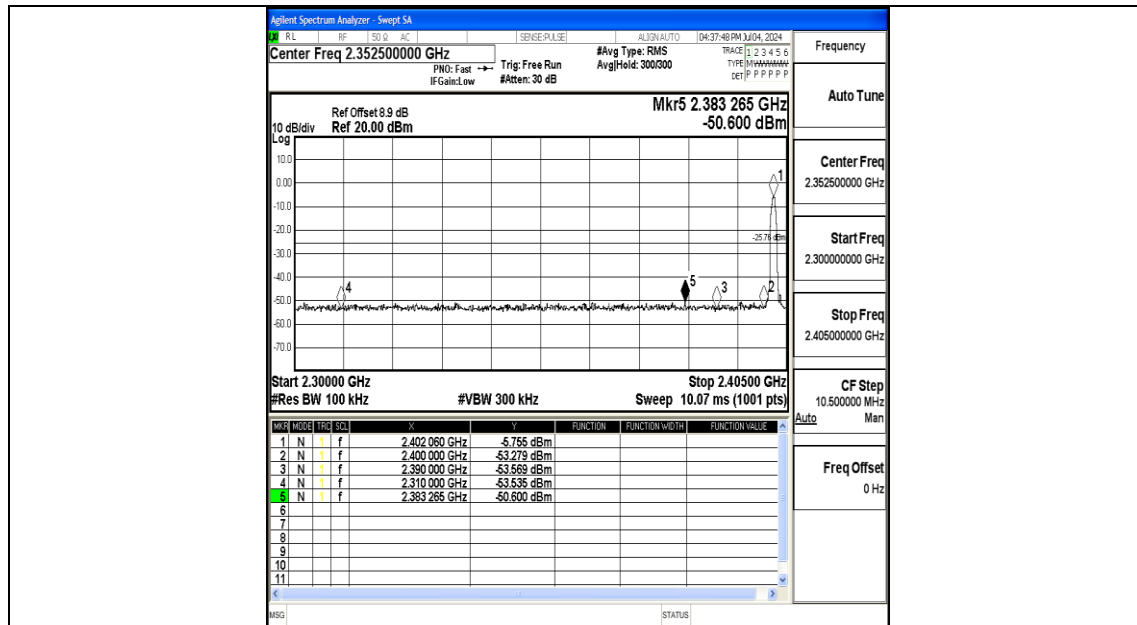
2DH5-Ant1-2480-PASS



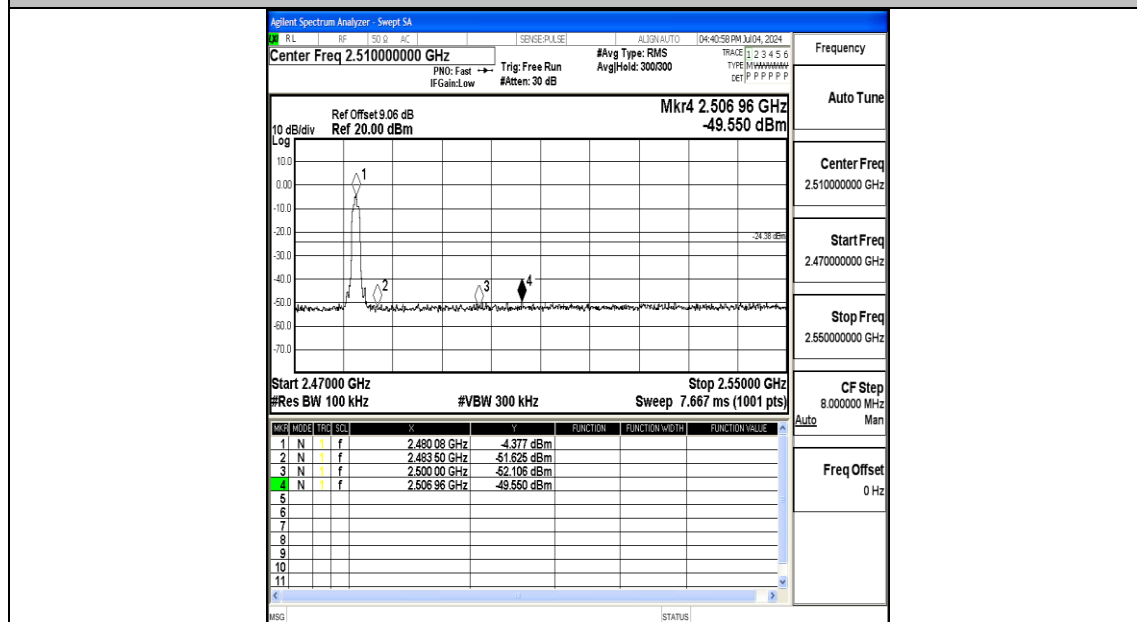
2DH5-Ant1-Hop_2402-PASS



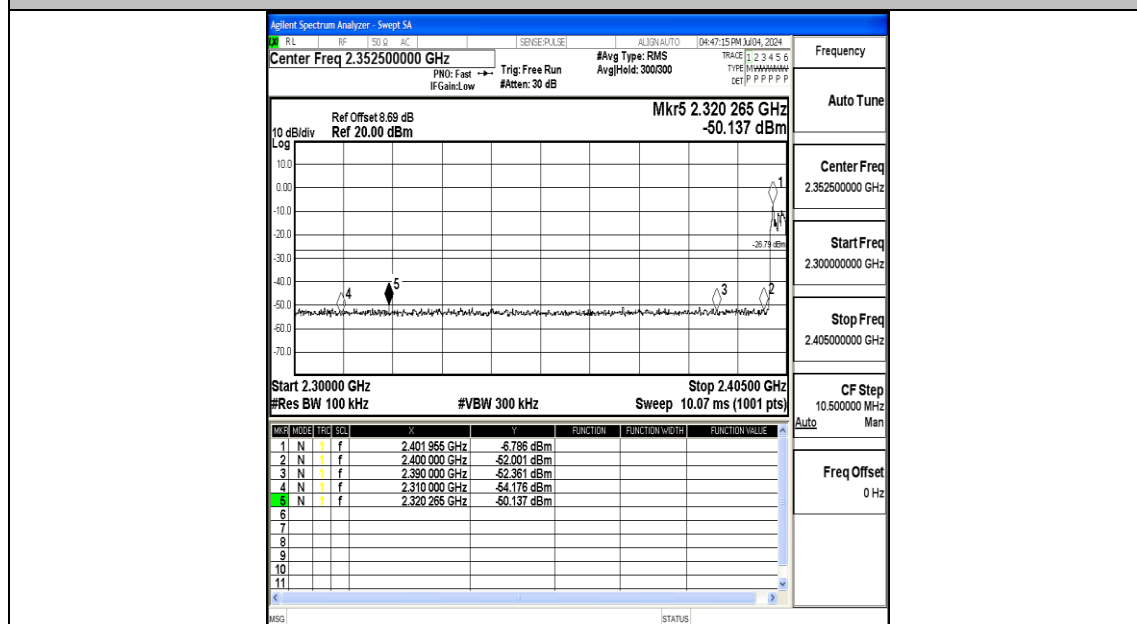
2DH5-Ant1-Hop_2480-PASS



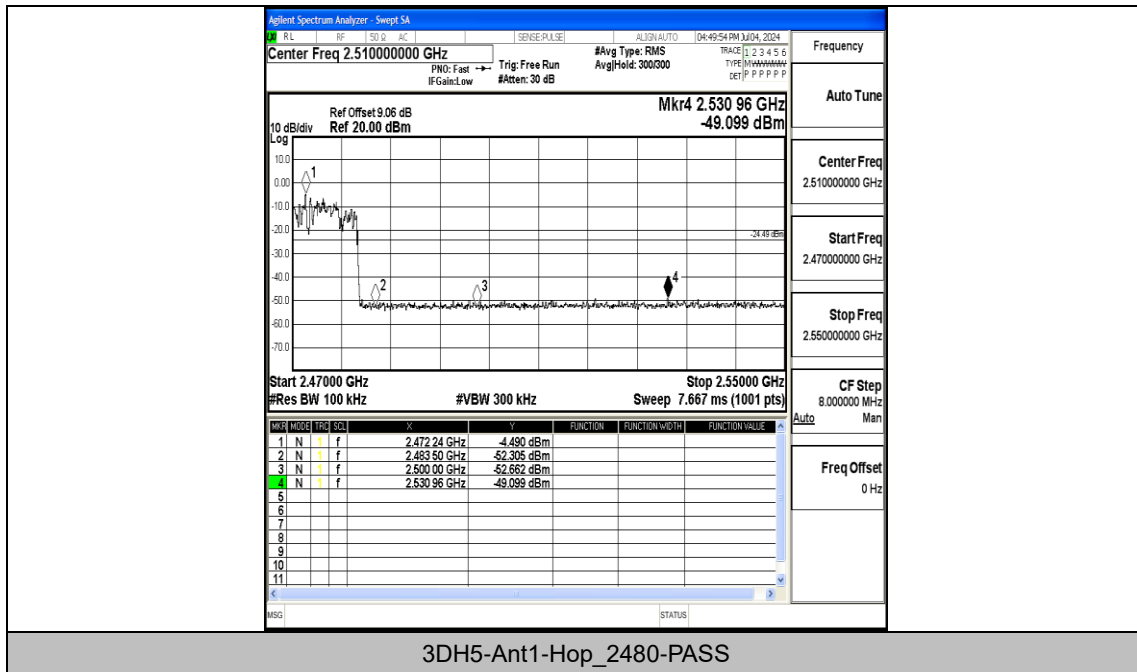
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

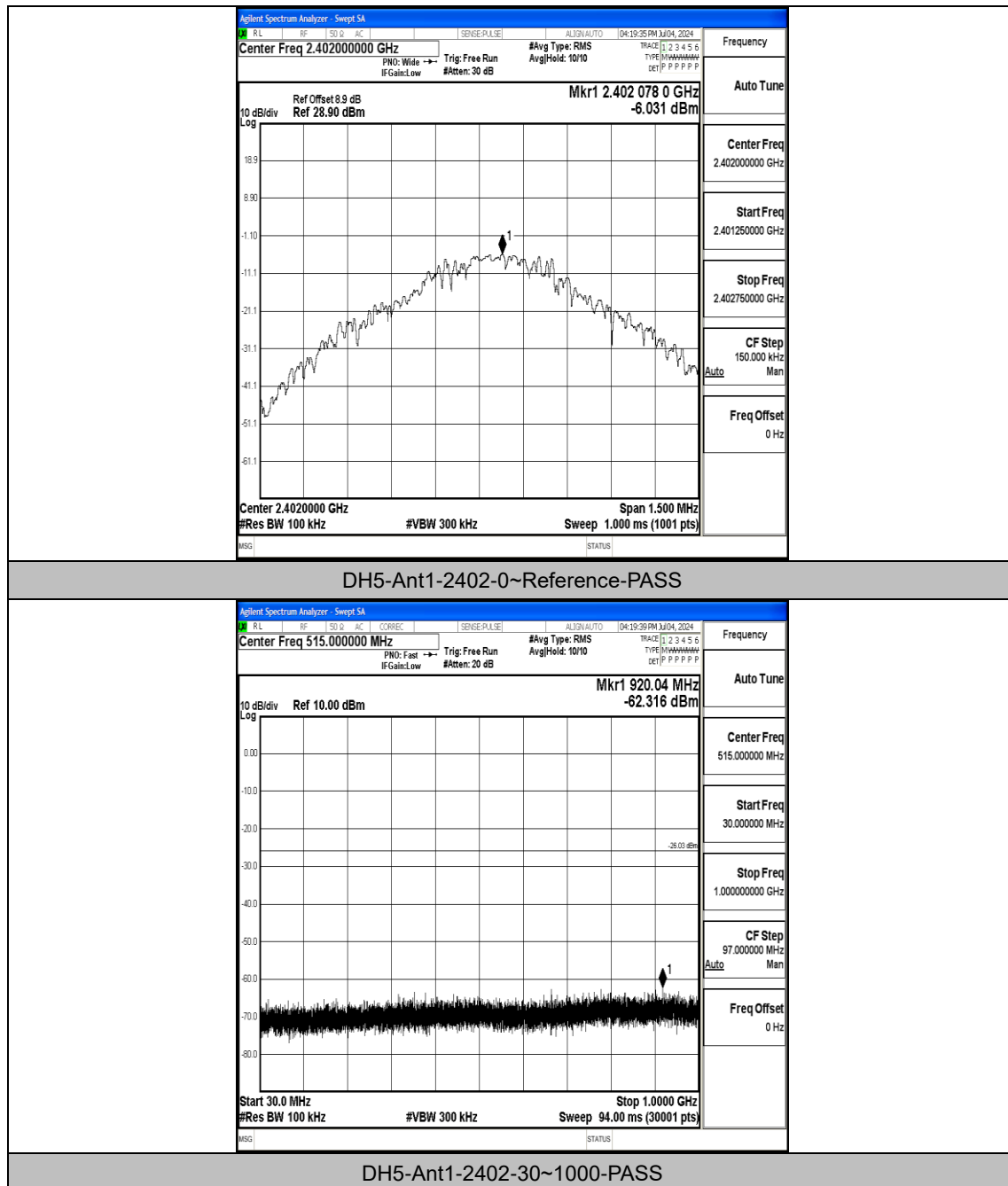


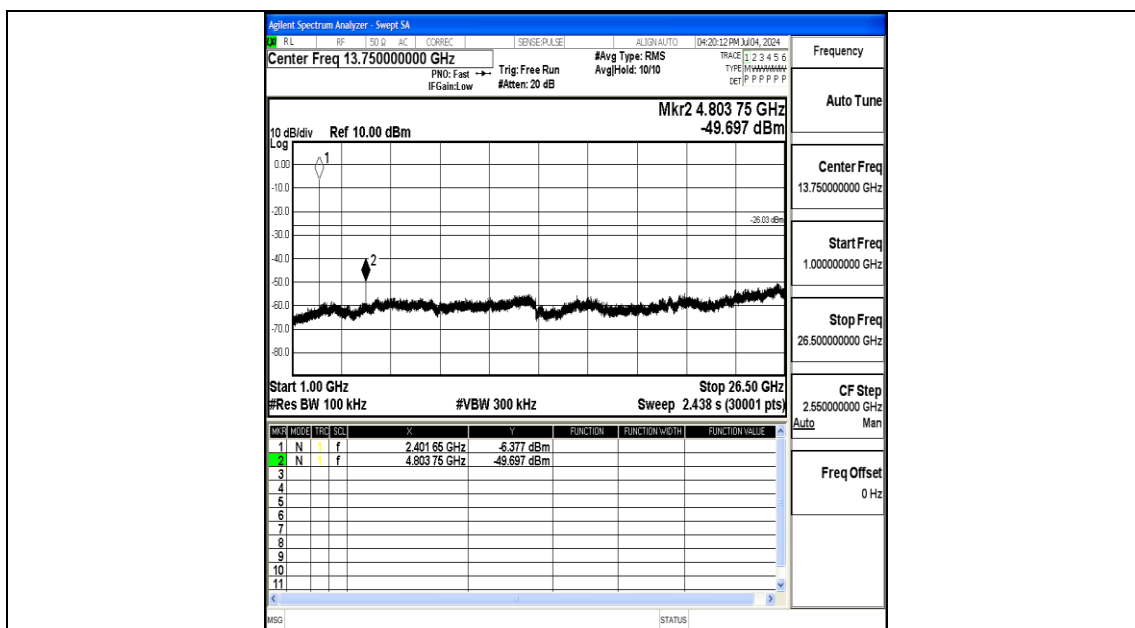
Appendix H: Conducted Spurious Emission

Test Result

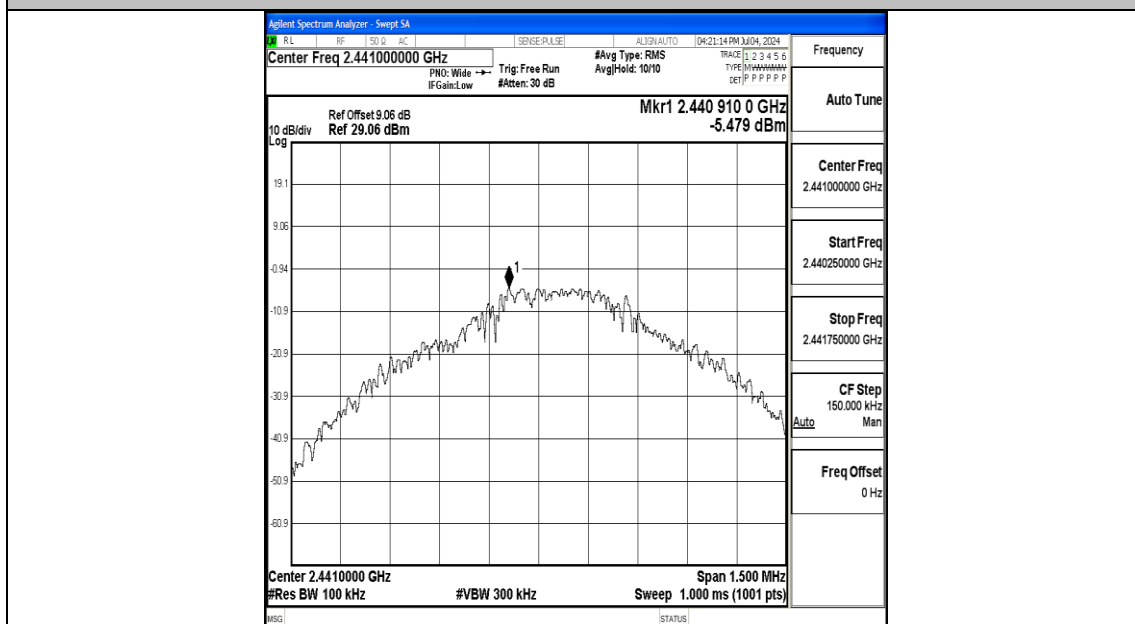
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-6.03	-6.03	---	PASS
DH5	Ant1	2402	30~1000	-6.03	-62.32	≤-26.03	PASS
DH5	Ant1	2402	1000~26500	-6.03	-49.7	≤-26.03	PASS
DH5	Ant1	2441	0~Reference	-5.48	-5.48	---	PASS
DH5	Ant1	2441	30~1000	-5.48	-62.35	≤-25.48	PASS
DH5	Ant1	2441	1000~26500	-5.48	-47.97	≤-25.48	PASS
DH5	Ant1	2480	0~Reference	-4.81	-4.81	---	PASS
DH5	Ant1	2480	30~1000	-4.81	-62.9	≤-24.81	PASS
DH5	Ant1	2480	1000~26500	-4.81	-47.63	≤-24.81	PASS
2DH5	Ant1	2402	0~Reference	-6.48	-6.48	---	PASS
2DH5	Ant1	2402	30~1000	-6.48	-61.94	≤-26.48	PASS
2DH5	Ant1	2402	1000~26500	-6.48	-50.36	≤-26.48	PASS
2DH5	Ant1	2441	0~Reference	-4.55	-4.55	---	PASS
2DH5	Ant1	2441	30~1000	-4.55	-62.12	≤-24.55	PASS
2DH5	Ant1	2441	1000~26500	-4.55	-50.27	≤-24.55	PASS
2DH5	Ant1	2480	0~Reference	-4.42	-4.42	---	PASS
2DH5	Ant1	2480	30~1000	-4.42	-62.86	≤-24.42	PASS
2DH5	Ant1	2480	1000~26500	-4.42	-49.42	≤-24.42	PASS
3DH5	Ant1	2402	0~Reference	-8.06	-8.06	---	PASS
3DH5	Ant1	2402	30~1000	-8.06	-62.2	≤-28.06	PASS
3DH5	Ant1	2402	1000~26500	-8.06	-48.18	≤-28.06	PASS
3DH5	Ant1	2441	0~Reference	-7.59	-7.59	---	PASS
3DH5	Ant1	2441	30~1000	-7.59	-62.92	≤-27.59	PASS
3DH5	Ant1	2441	1000~26500	-7.59	-47.02	≤-27.59	PASS
3DH5	Ant1	2480	0~Reference	-6.49	-6.49	---	PASS
3DH5	Ant1	2480	30~1000	-6.49	-61.93	≤-26.49	PASS
3DH5	Ant1	2480	1000~26500	-6.49	-50.74	≤-26.49	PASS

Test Graphs

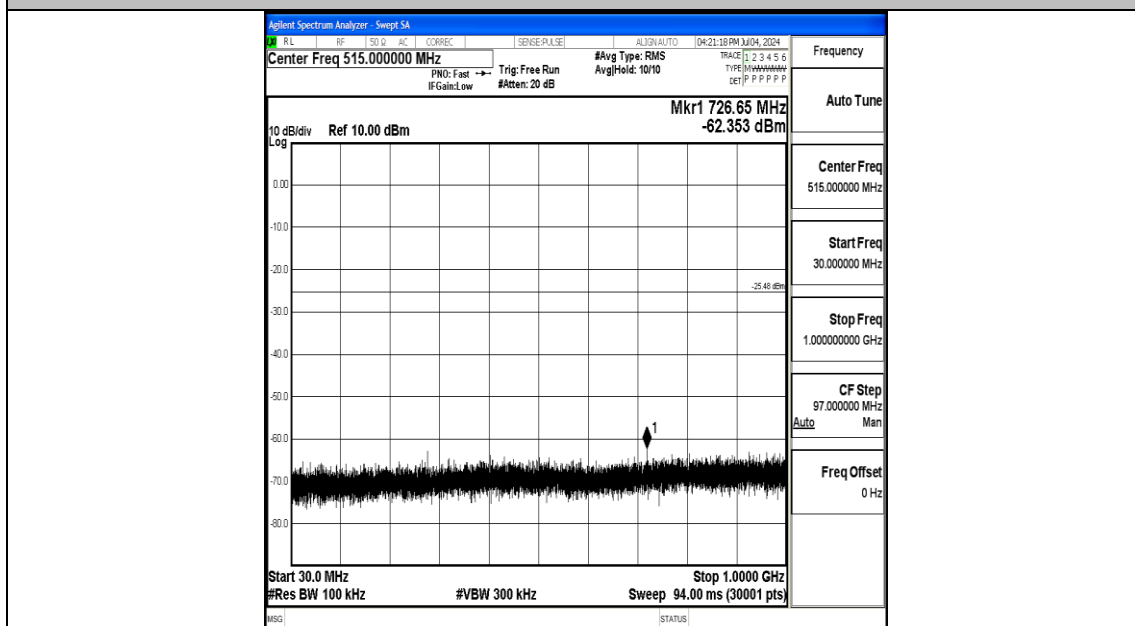




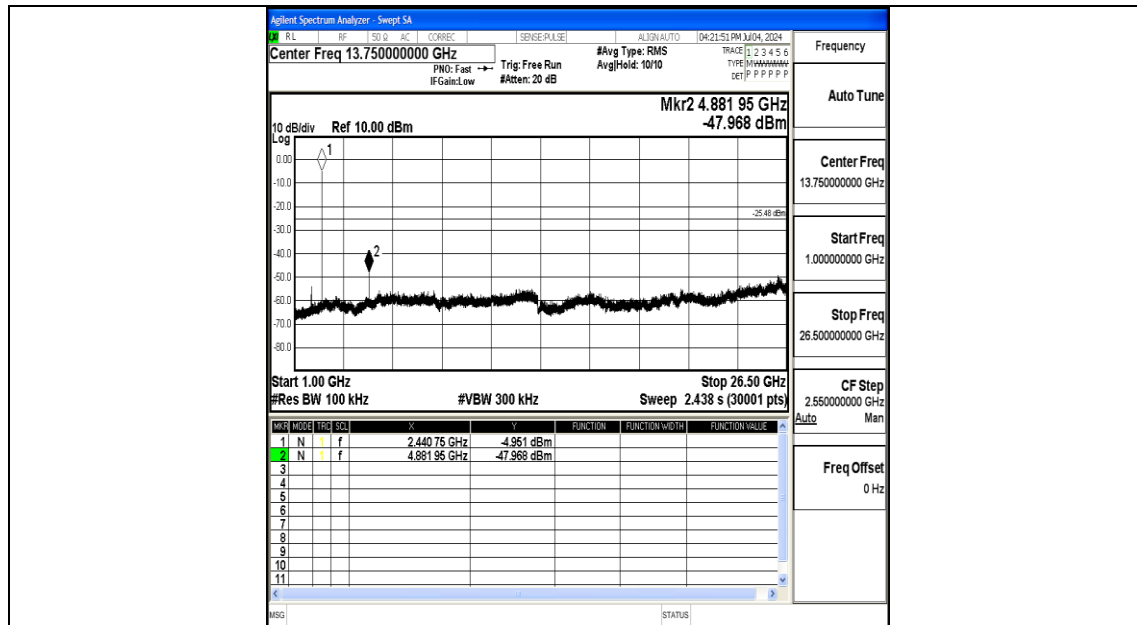
DH5-Ant1-2402-1000~26500-PASS



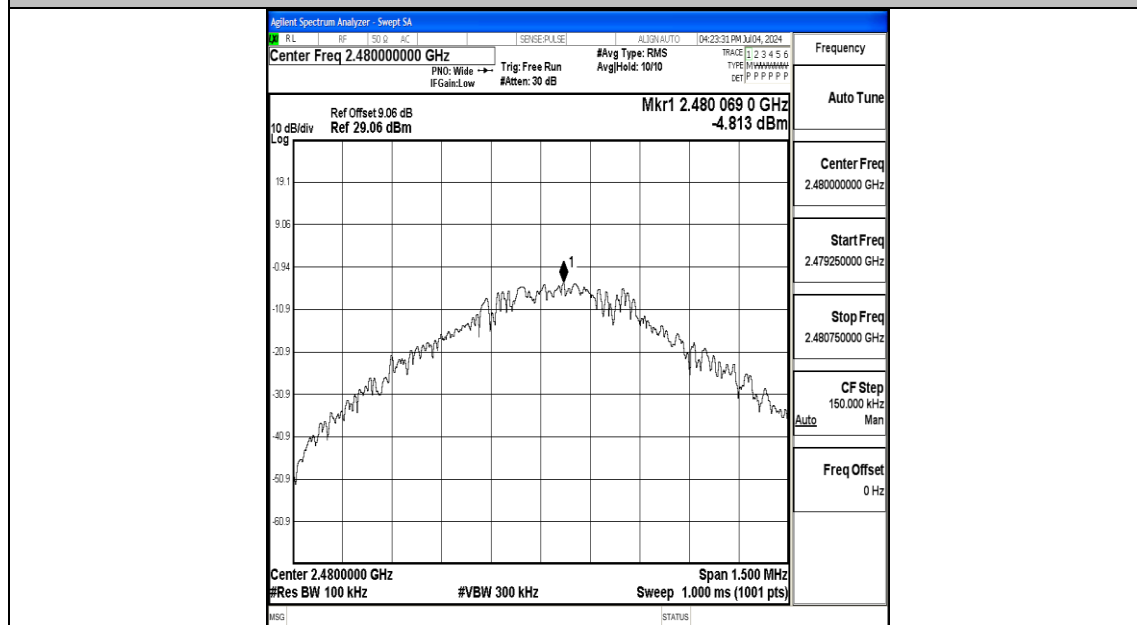
DH5-Ant1-2441-0~Reference-PASS



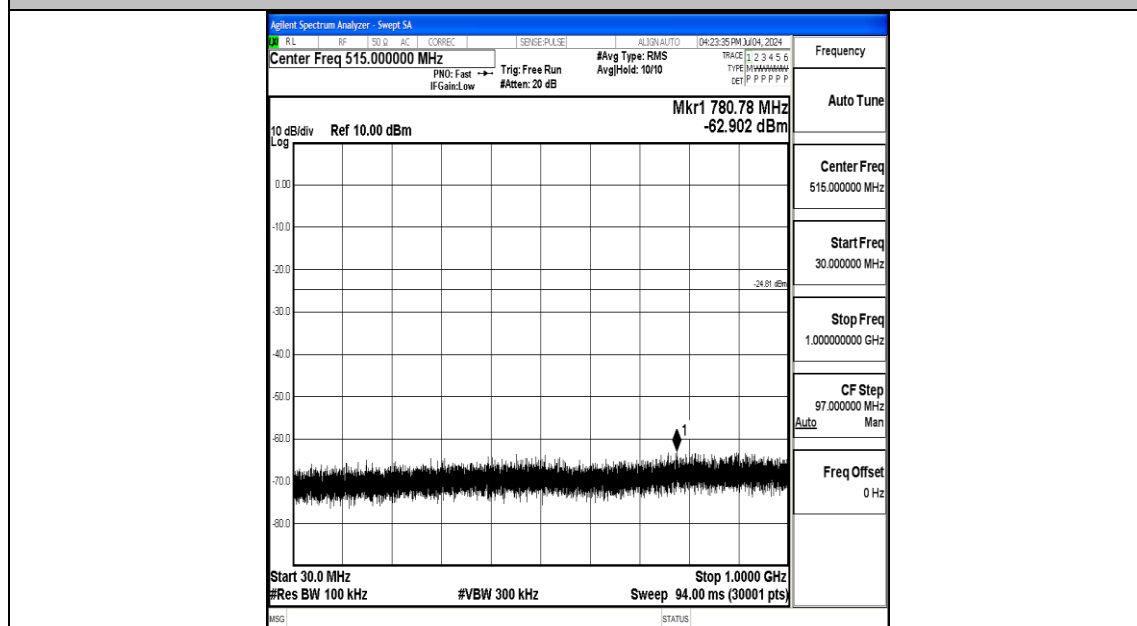
DH5-Ant1-2441-30~1000-PASS



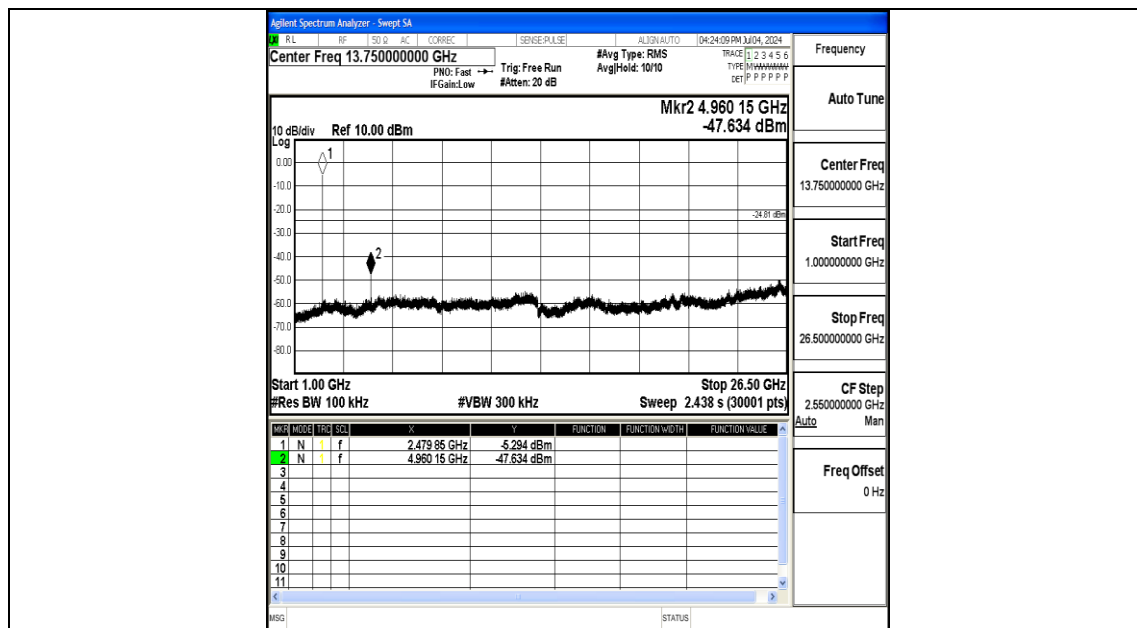
DH5-Ant1-2441-1000~26500-PASS



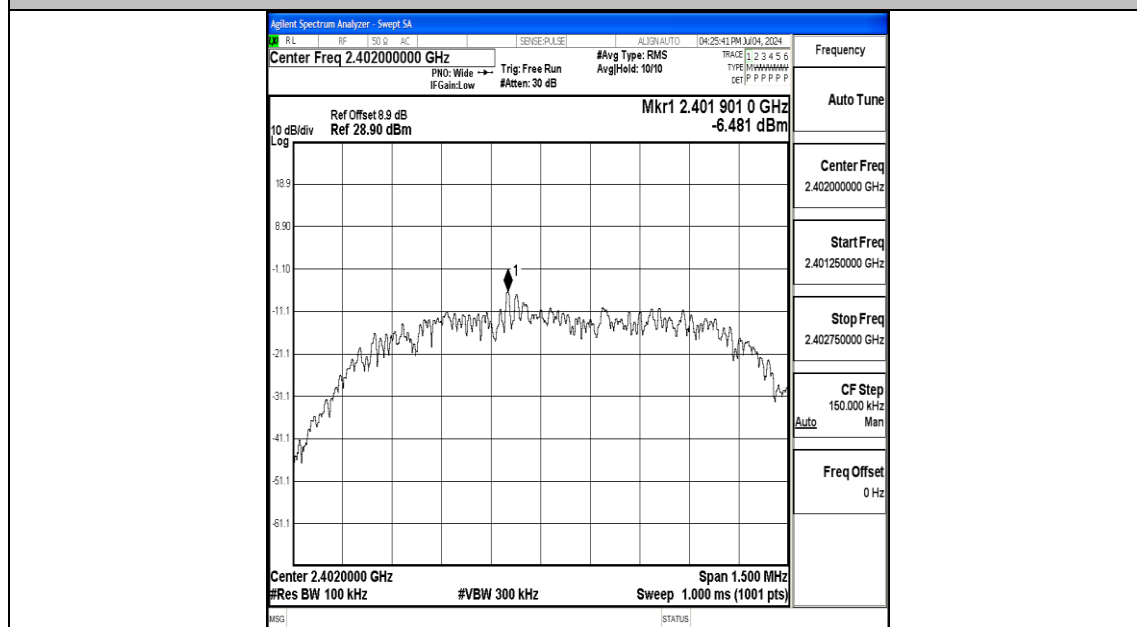
DH5-Ant1-2480-0~Reference-PASS



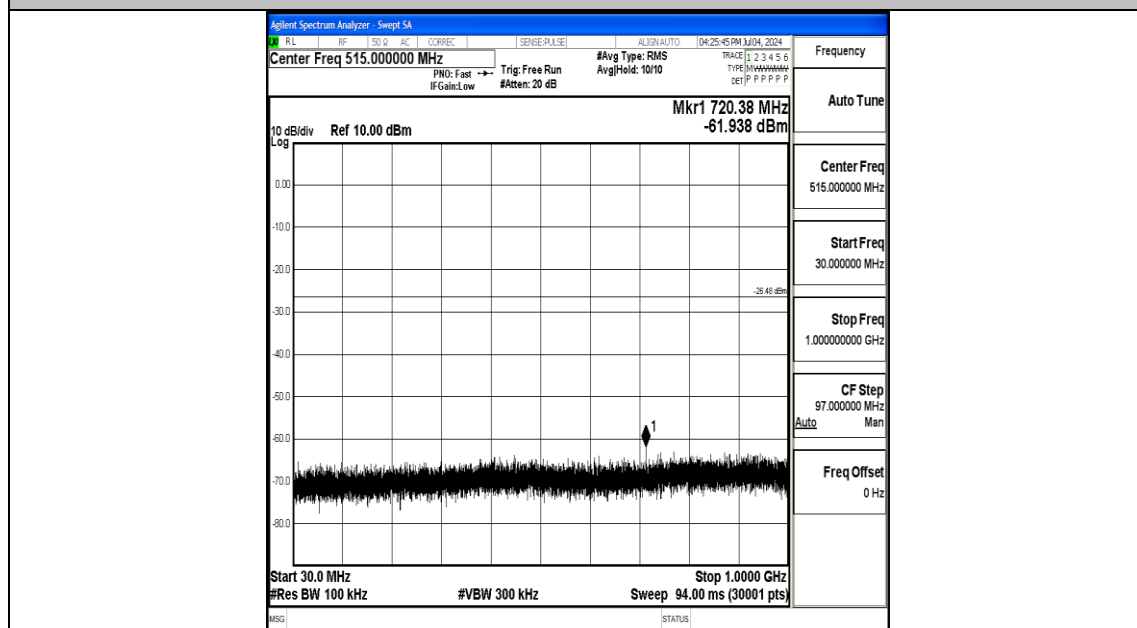
DH5-Ant1-2480-30~1000-PASS



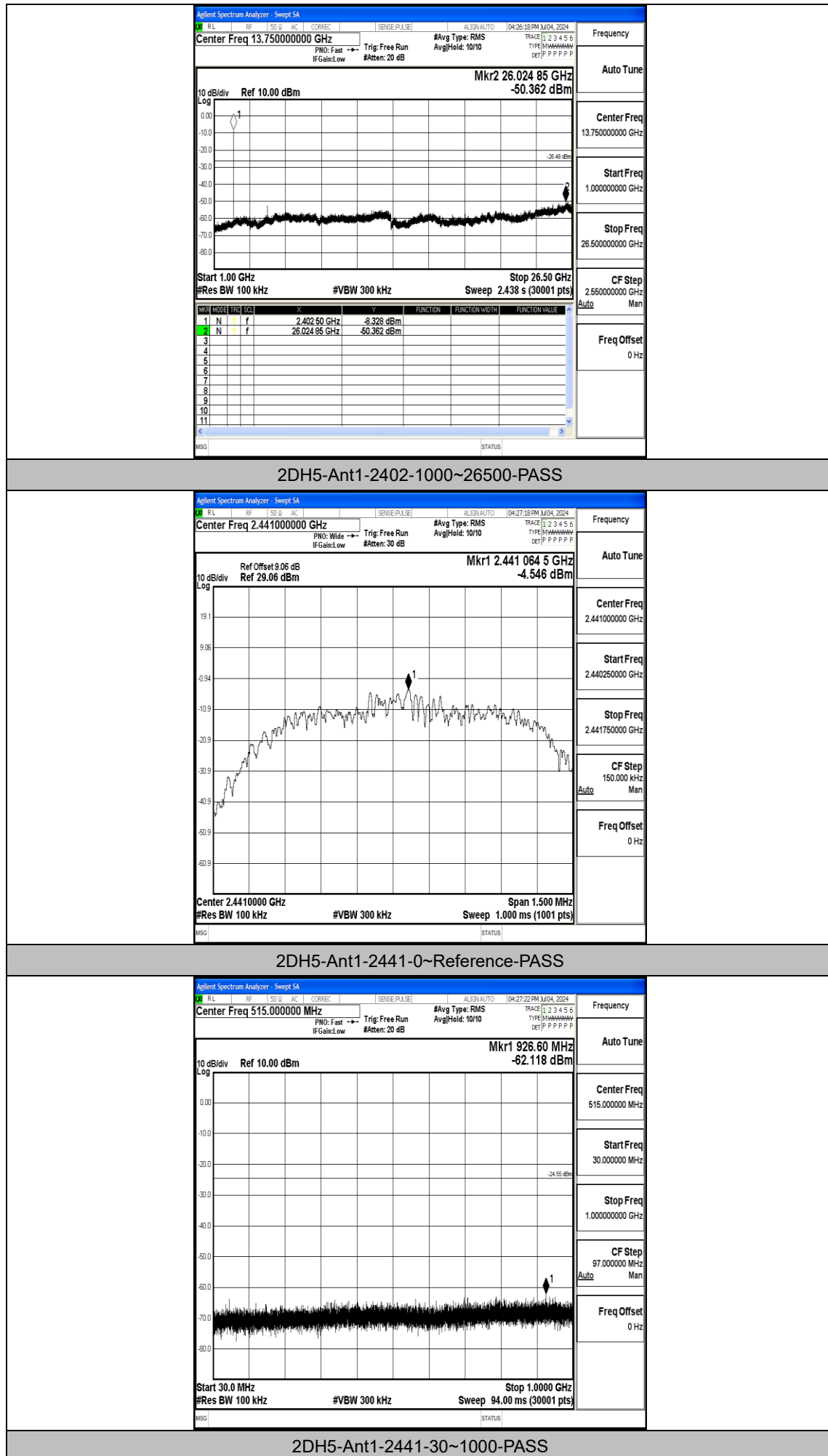
DH5-Ant1-2480-1000~26500-PASS

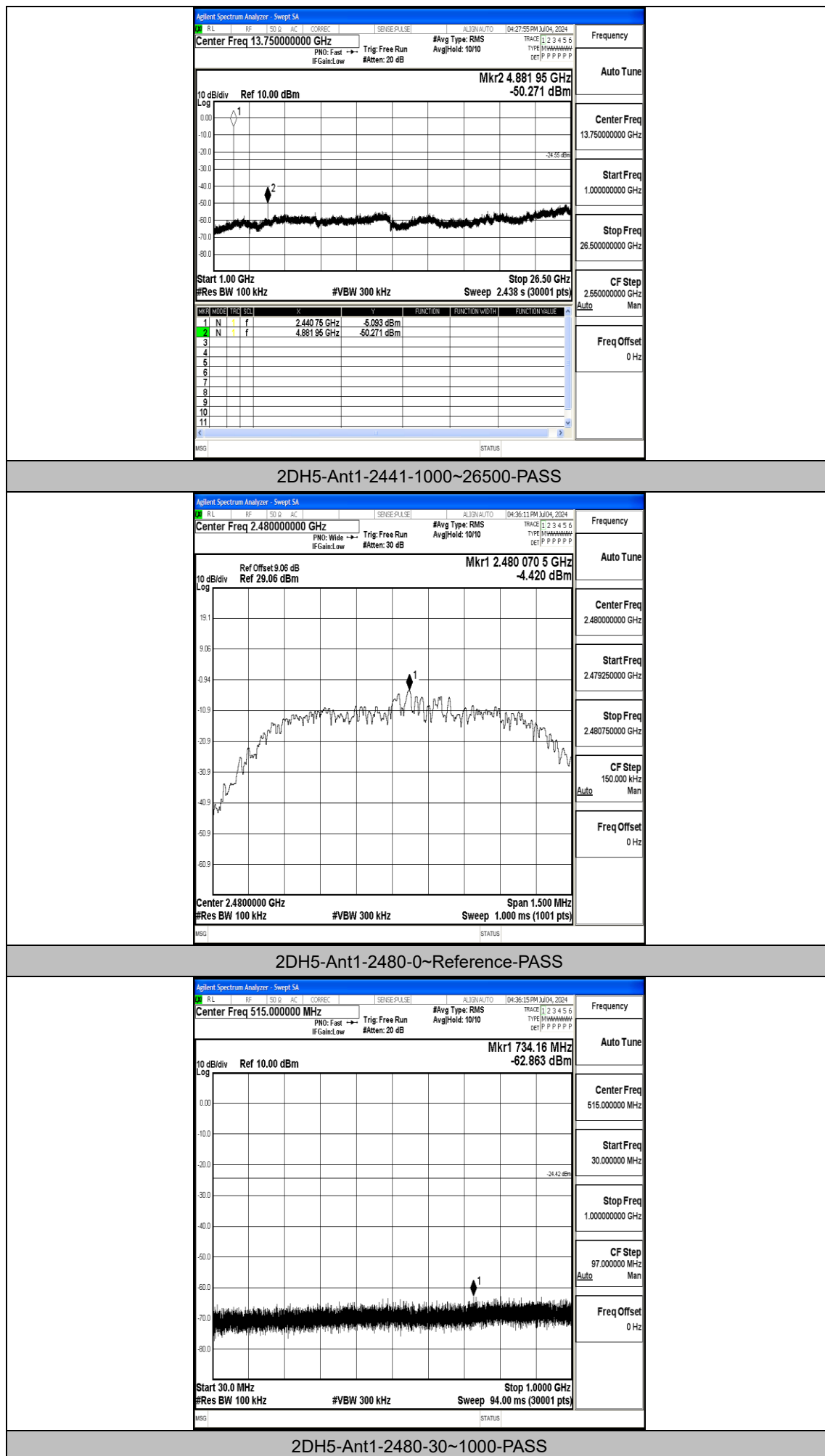


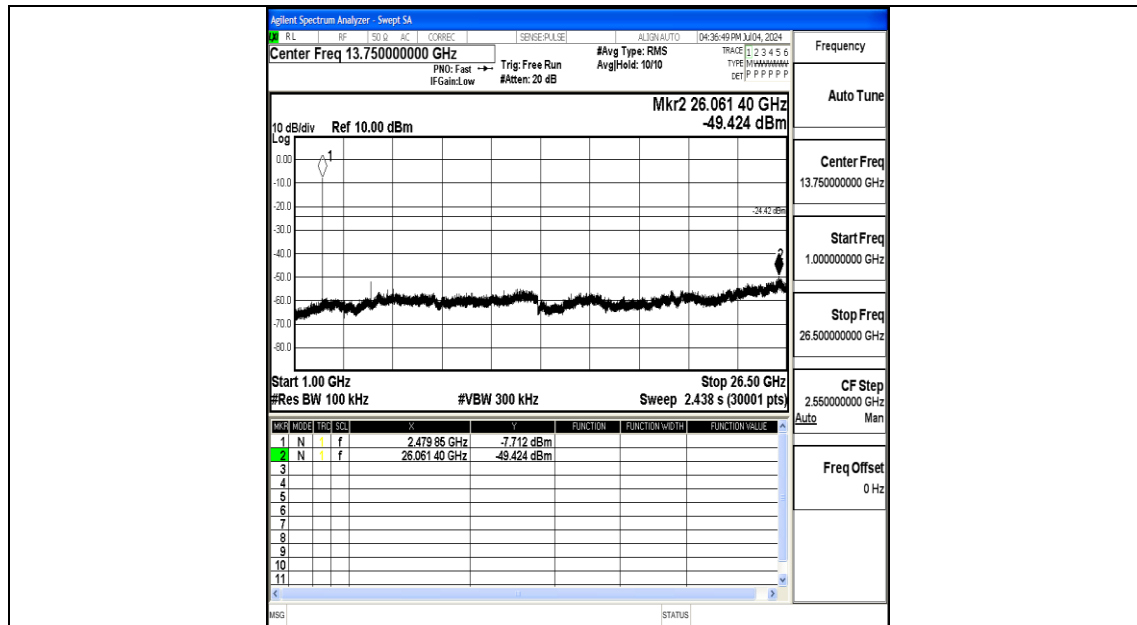
2DH5-Ant1-2402-0~Reference-PASS



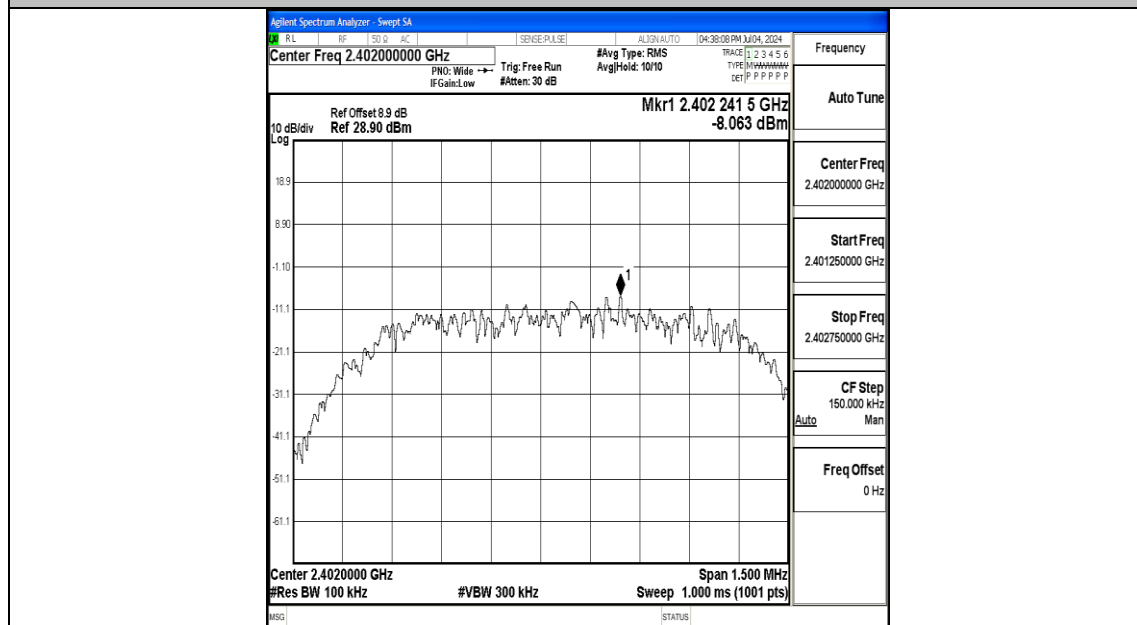
2DH5-Ant1-2402-30~1000-PASS



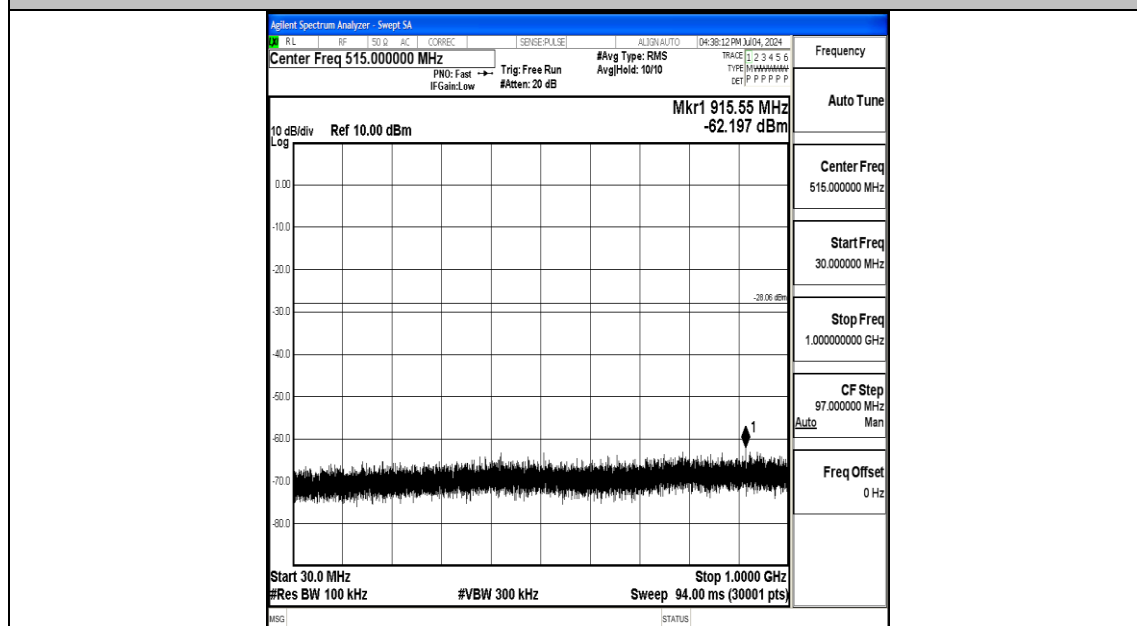




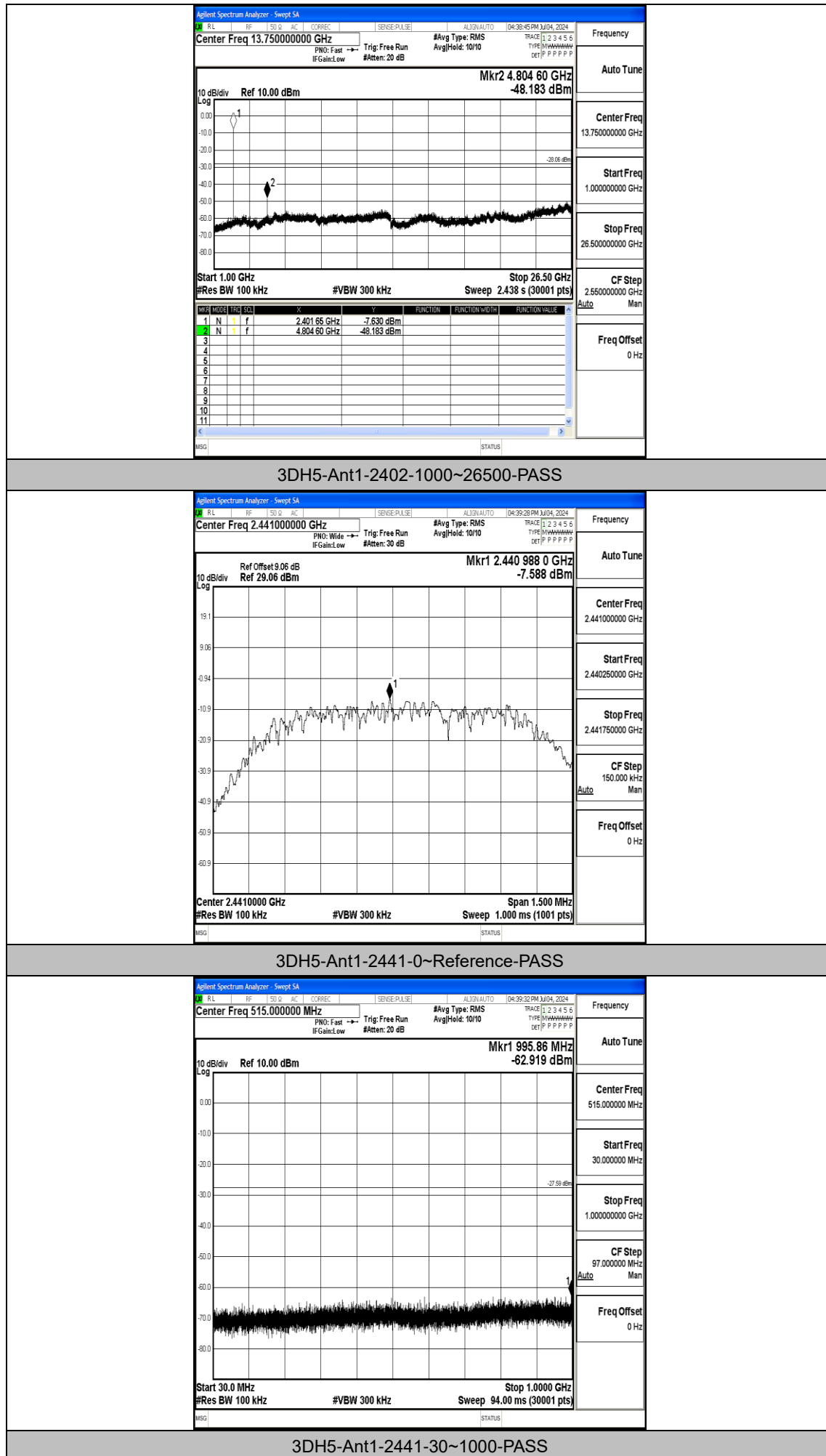
2DH5-Ant1-2480-1000~26500-PASS

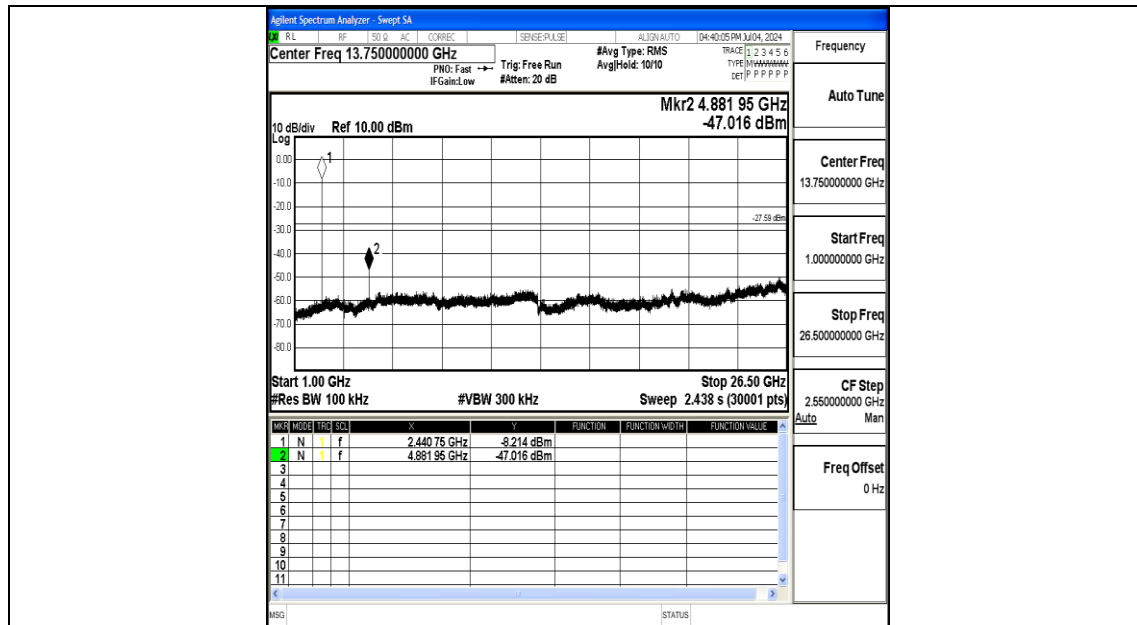


3DH5-Ant1-2402-0~Reference-PASS

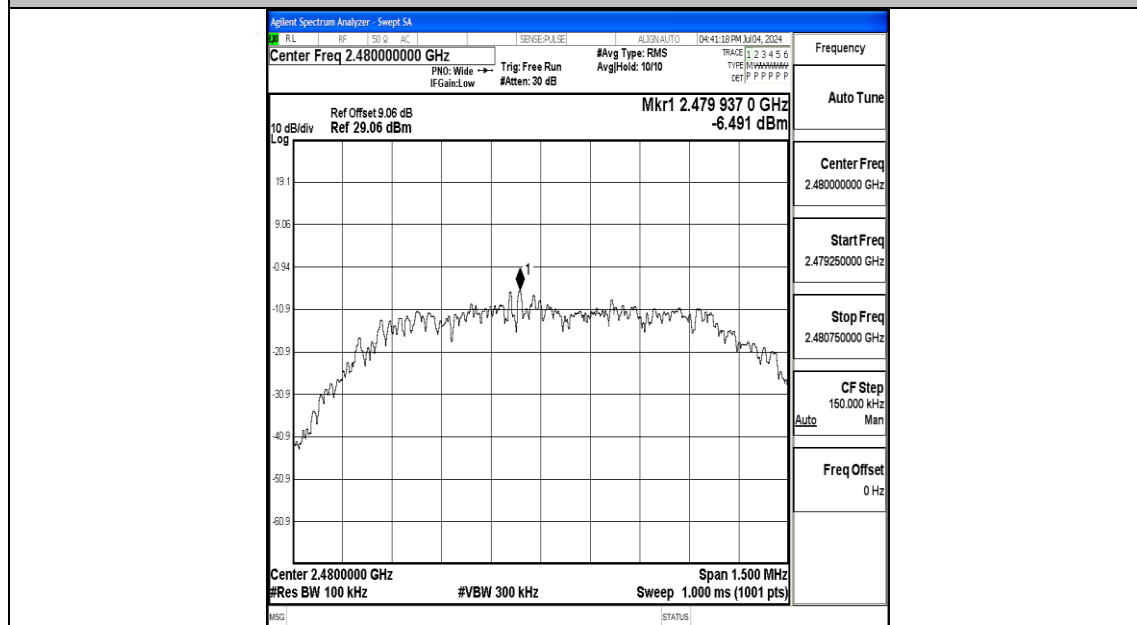


3DH5-Ant1-2402-30~1000-PASS

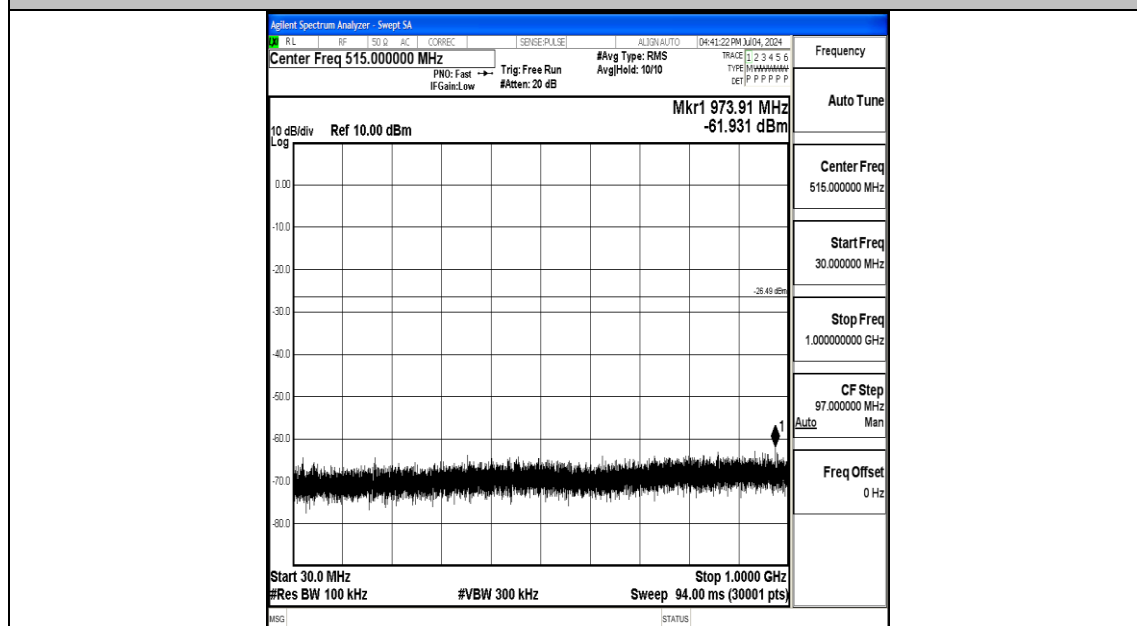




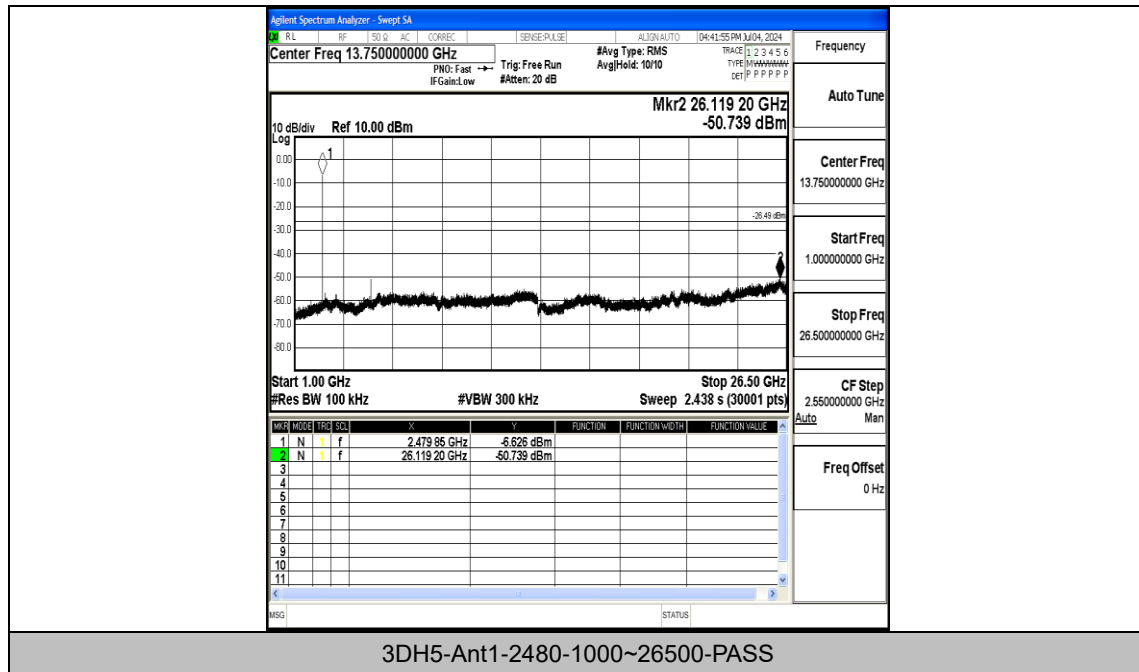
3DH5-Ant1-2441-1000~26500-PASS



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



3DH5-Ant1-2480-30~1000-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	2.91	3.75	77.60	1.10
3DH5	Ant1	2402	2.92	3.75	77.87	1.09
3DH5	Ant1	2441	2.92	3.75	77.87	1.09
3DH5	Ant1	2480	2.92	3.76	77.66	1.10

Test Graphs

