

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

Product Name: Wireless Earbuds

Trade Mark: /

Test Model: Coolpad C1

FCC ID: O55C10125

Environmental Conditions

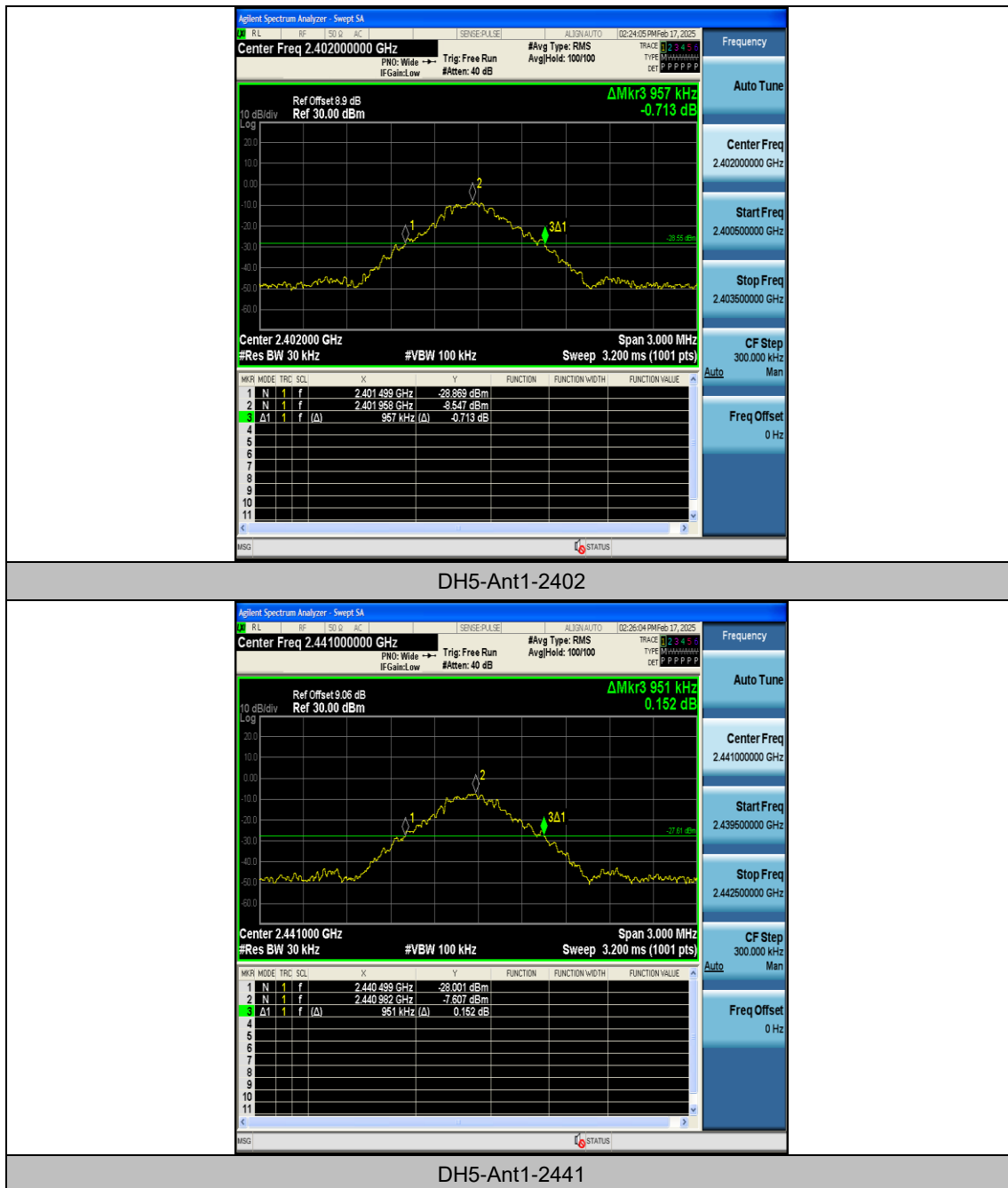
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Cheng
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

Test Result

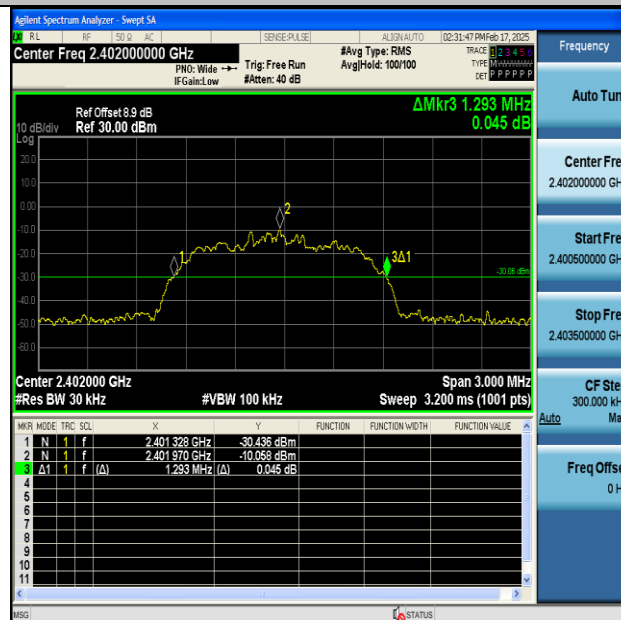
Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.957	2401.499	2402.456	---	---
DH5	Ant1	2441	0.951	2440.499	2441.450	---	---
DH5	Ant1	2480	0.954	2479.502	2480.456	---	---
2DH5	Ant1	2402	1.293	2401.328	2402.621	---	---
2DH5	Ant1	2441	1.257	2440.343	2441.600	---	---
2DH5	Ant1	2480	1.323	2479.298	2480.621	---	---
3DH5	Ant1	2402	1.269	2401.340	2402.609	---	---
3DH5	Ant1	2441	1.296	2440.319	2441.615	---	---
3DH5	Ant1	2480	1.278	2479.331	2480.609	---	---

Test Graphs





DH5-Ant1-2480



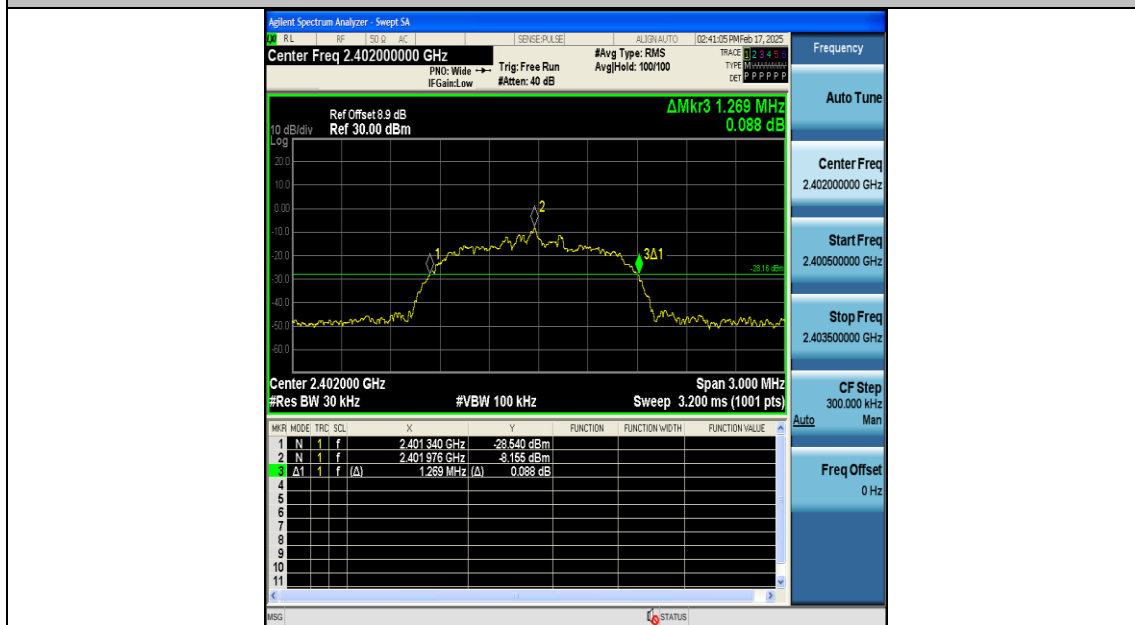
2DH5-Ant1-2402



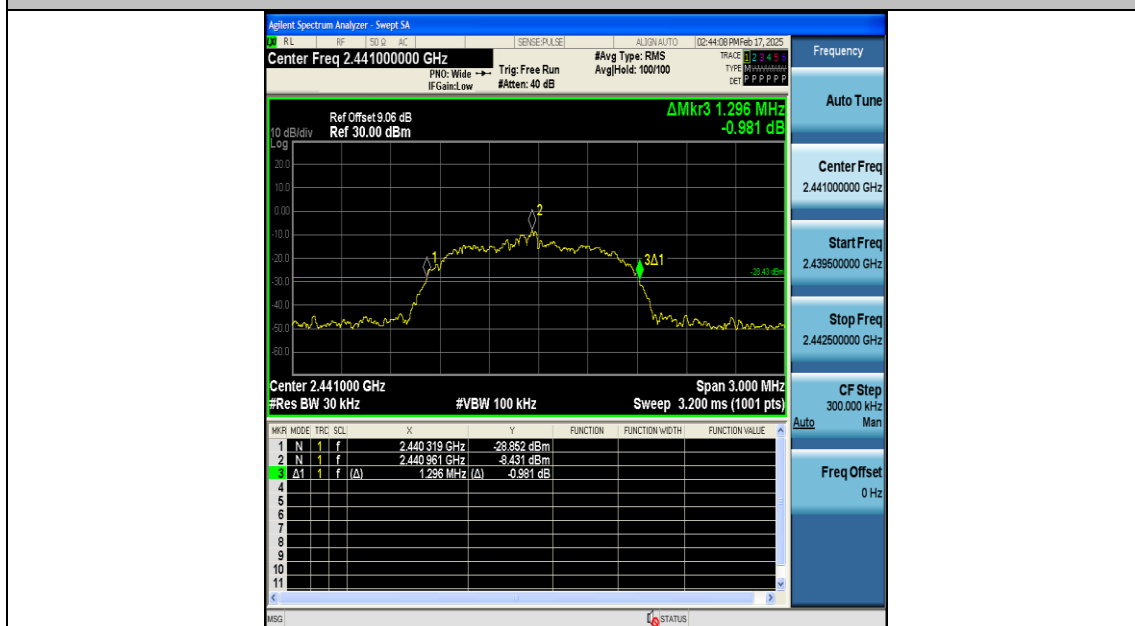
2DH5-Ant1-2441



2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441

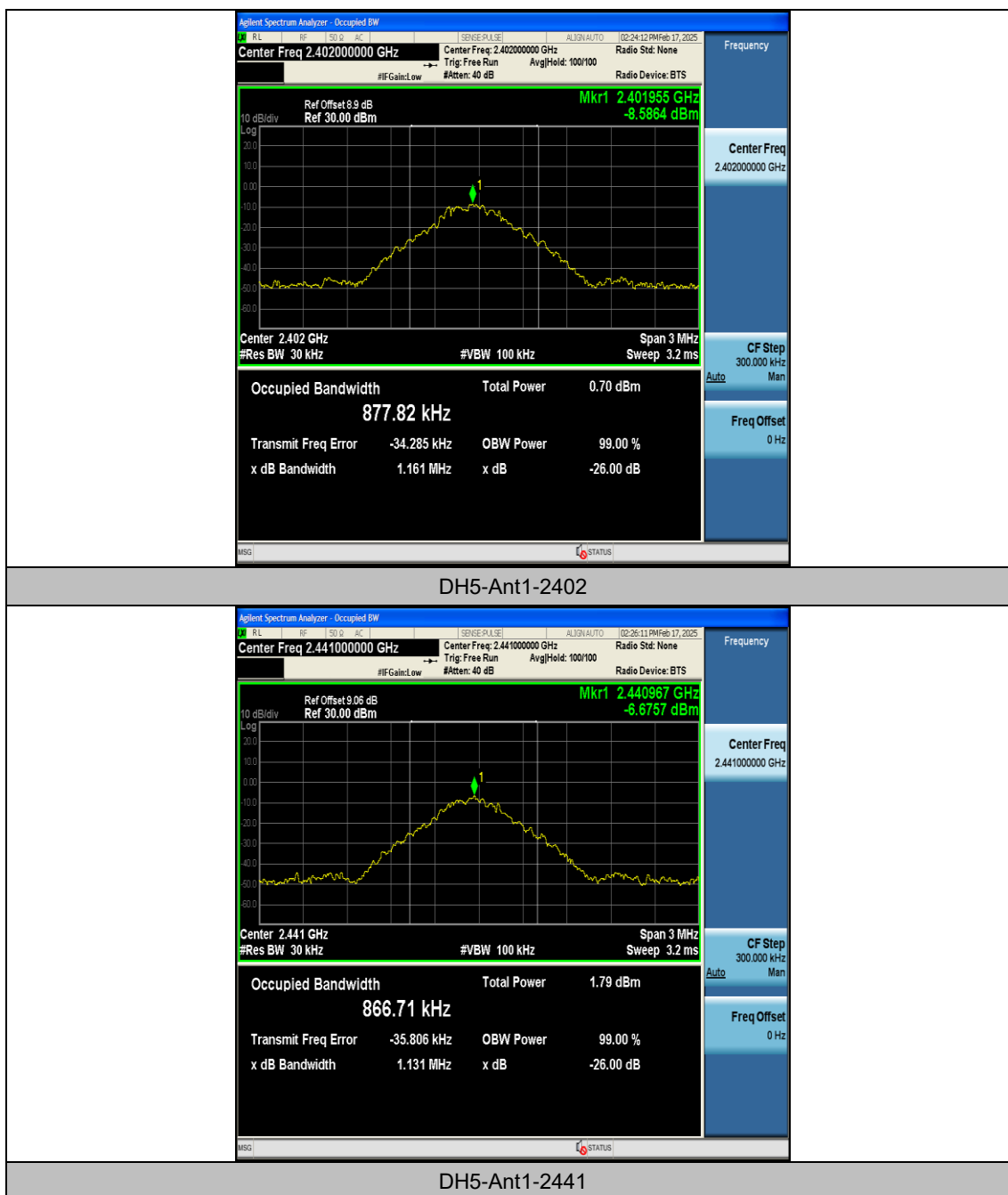


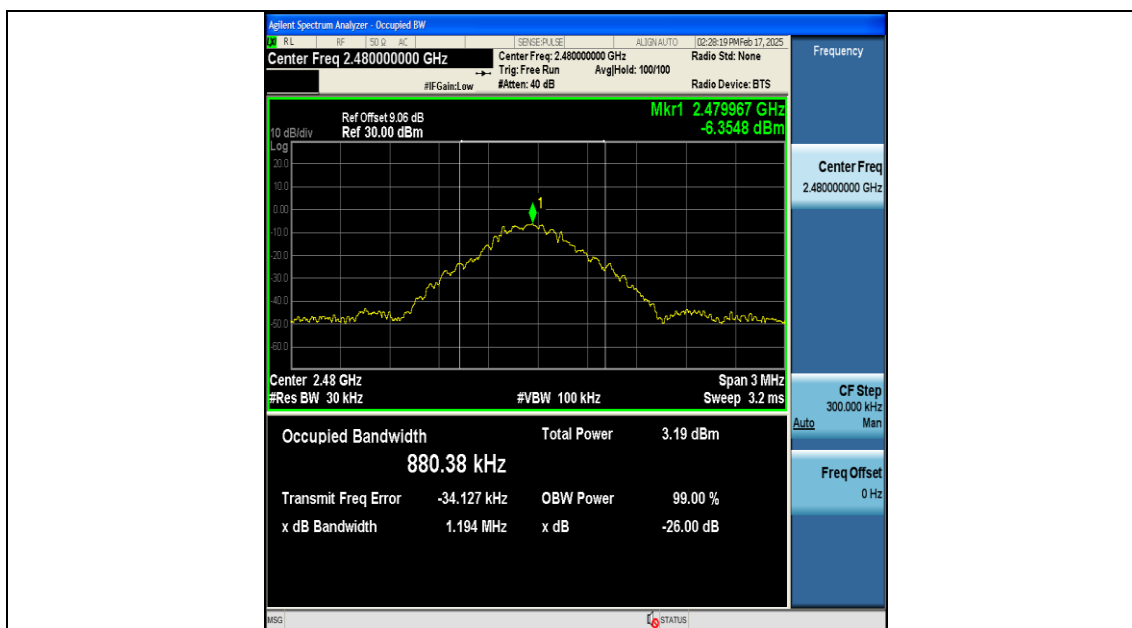
Appendix B: Occupied Channel Bandwidth

Test Result

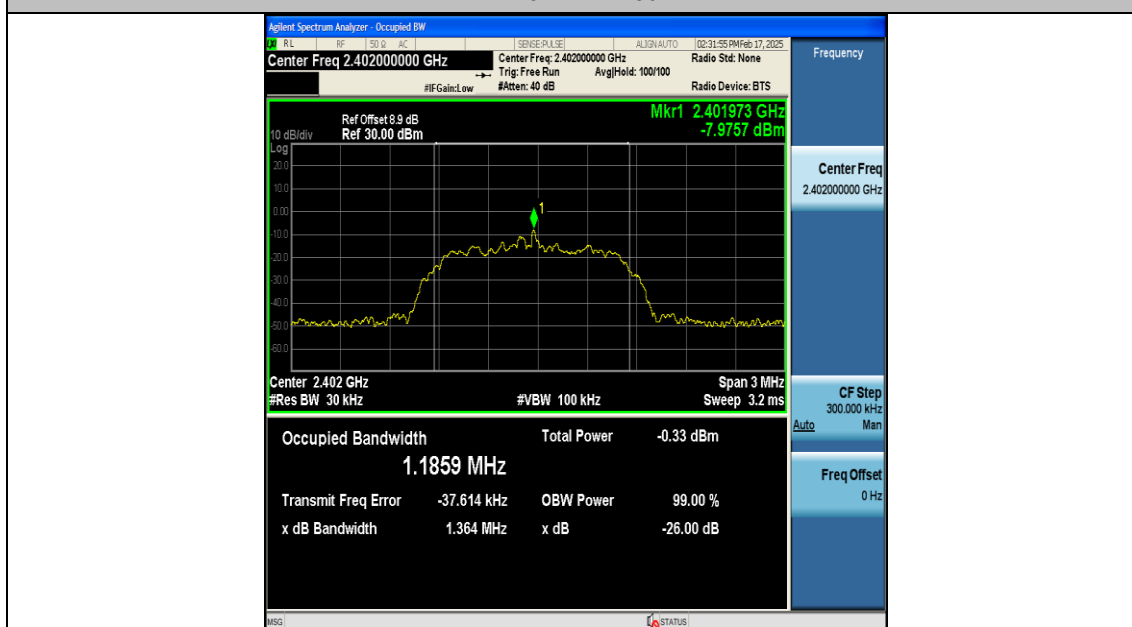
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.87782	2401.5268	2402.4046	---	---
DH5	Ant1	2441	0.86671	2440.5308	2441.3975	---	---
DH5	Ant1	2480	0.88038	2479.5257	2480.4061	---	---
2DH5	Ant1	2402	1.1859	2401.3694	2402.5553	---	---
2DH5	Ant1	2441	1.1748	2440.3784	2441.5532	---	---
2DH5	Ant1	2480	1.1973	2479.3657	2480.5630	---	---
3DH5	Ant1	2402	1.1803	2401.3776	2402.5579	---	---
3DH5	Ant1	2441	1.1826	2440.3762	2441.5588	---	---
3DH5	Ant1	2480	1.1938	2479.3666	2480.5604	---	---

Test Graphs





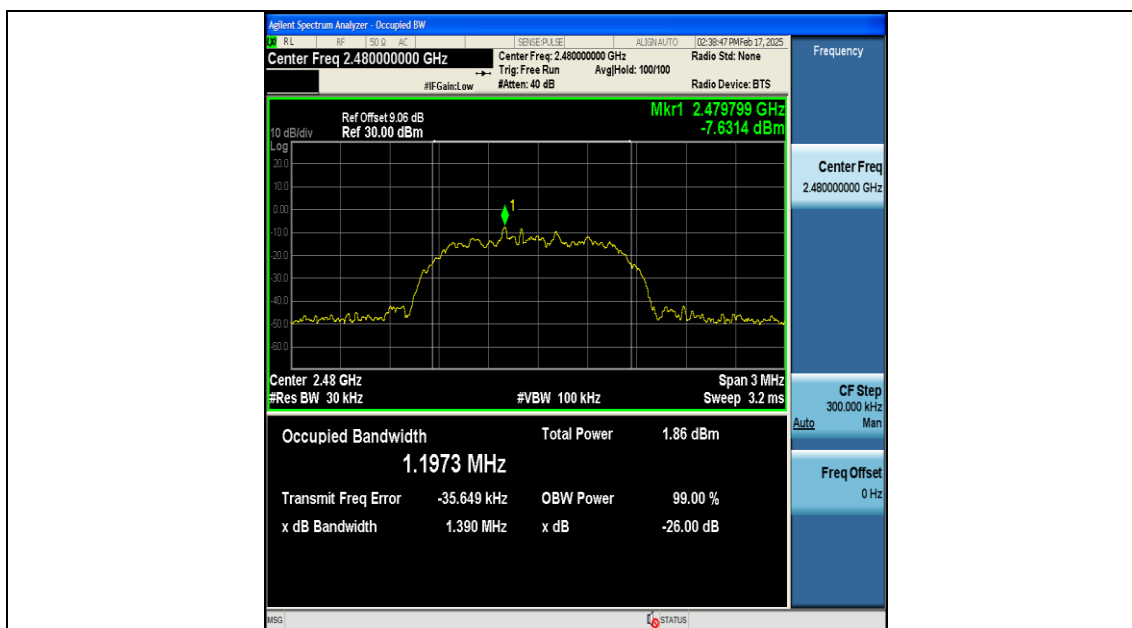
DH5-Ant1-2480



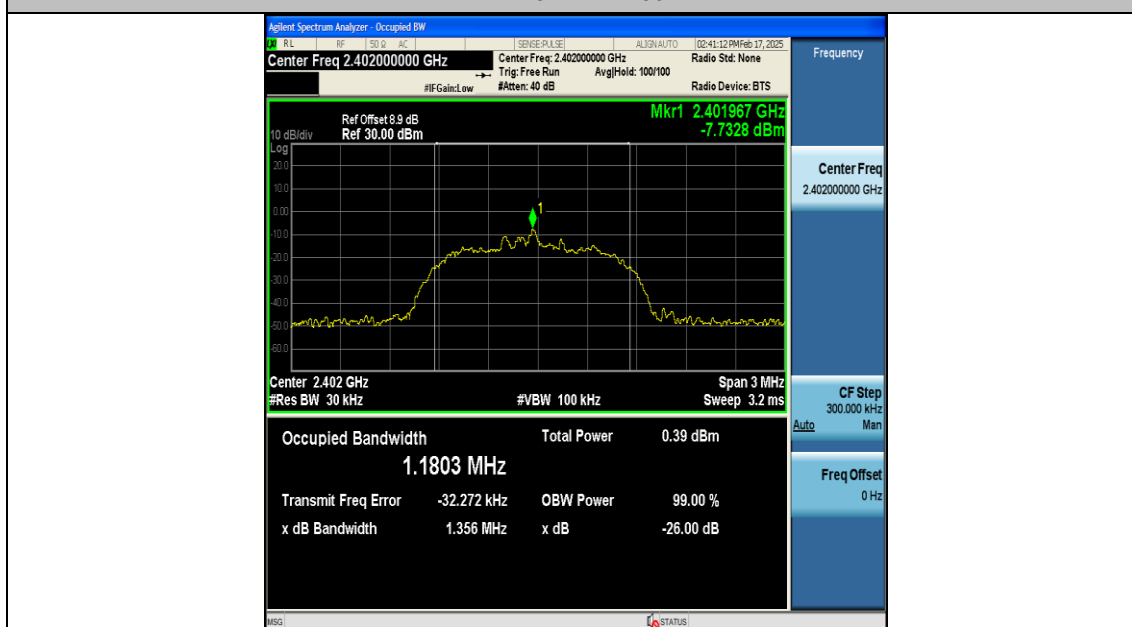
2DH5-Ant1-2402



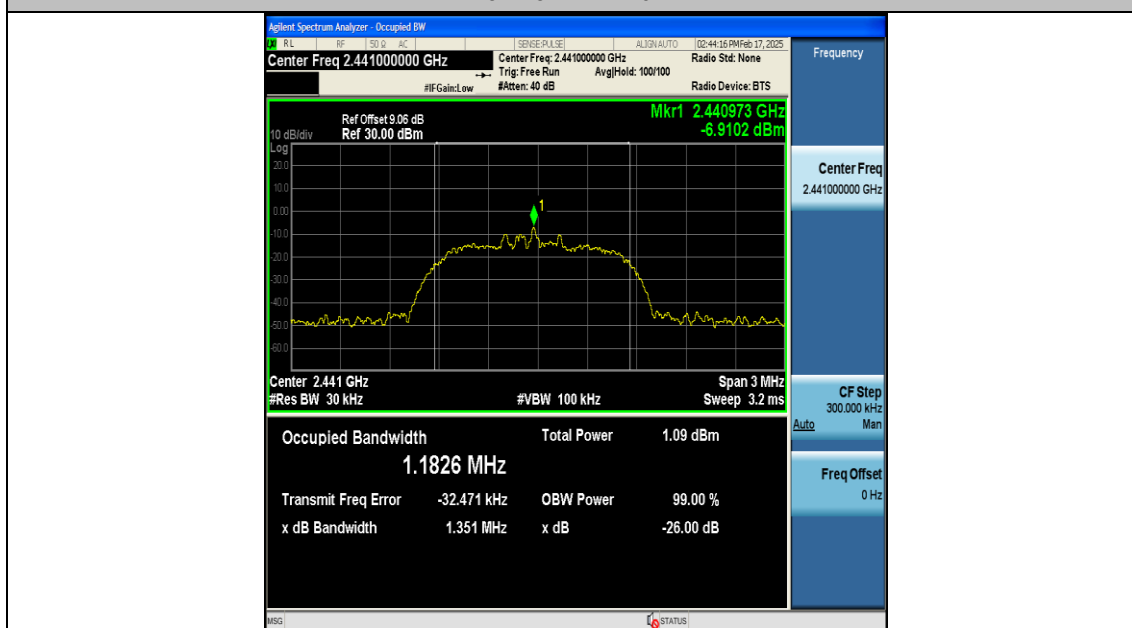
2DH5-Ant1-2441



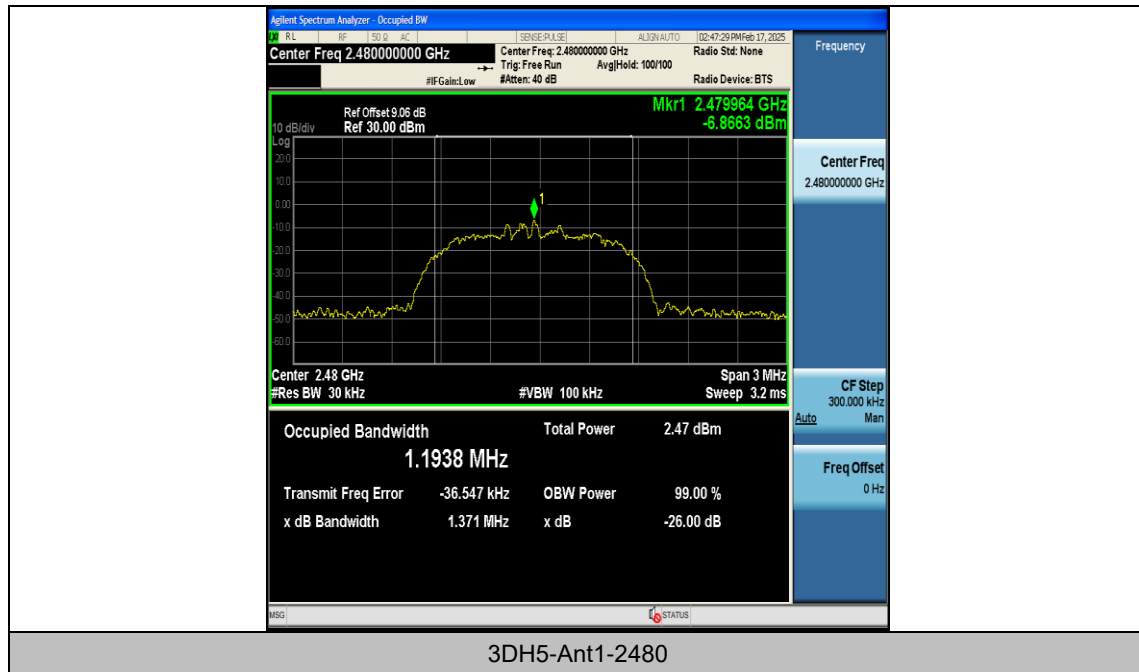
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441

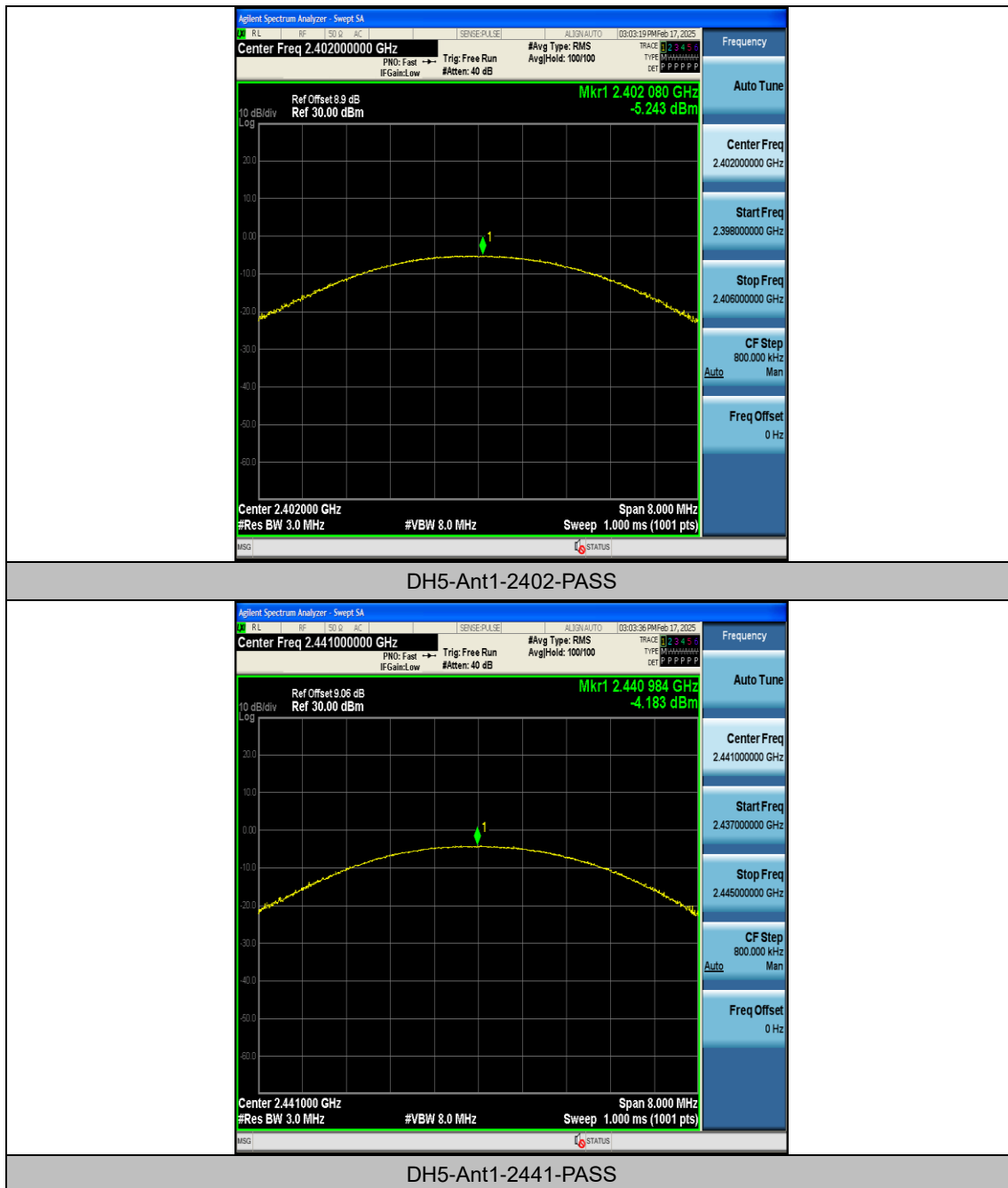


Appendix C: Maximum peak conducted output power

Test Result

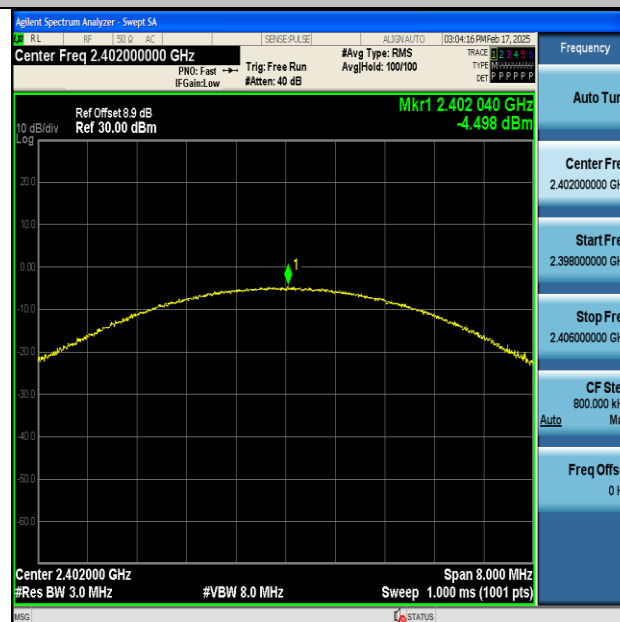
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-5.24	≤30	PASS
DH5	Ant1	2441	-4.18	≤30	PASS
DH5	Ant1	2480	-2.71	≤30	PASS
2DH5	Ant1	2402	-4.50	≤20.97	PASS
2DH5	Ant1	2441	-3.78	≤20.97	PASS
2DH5	Ant1	2480	-2.16	≤20.97	PASS
3DH5	Ant1	2402	-4.19	≤20.97	PASS
3DH5	Ant1	2441	-3.32	≤20.97	PASS
3DH5	Ant1	2480	-1.78	≤20.97	PASS

Test Graphs

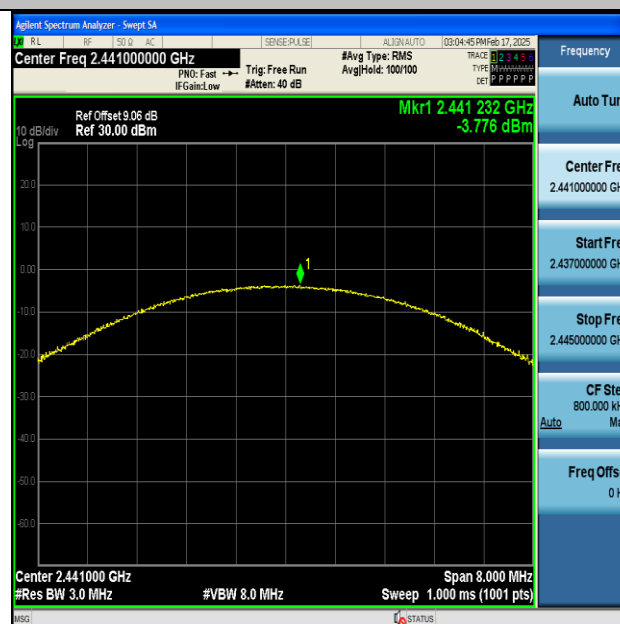




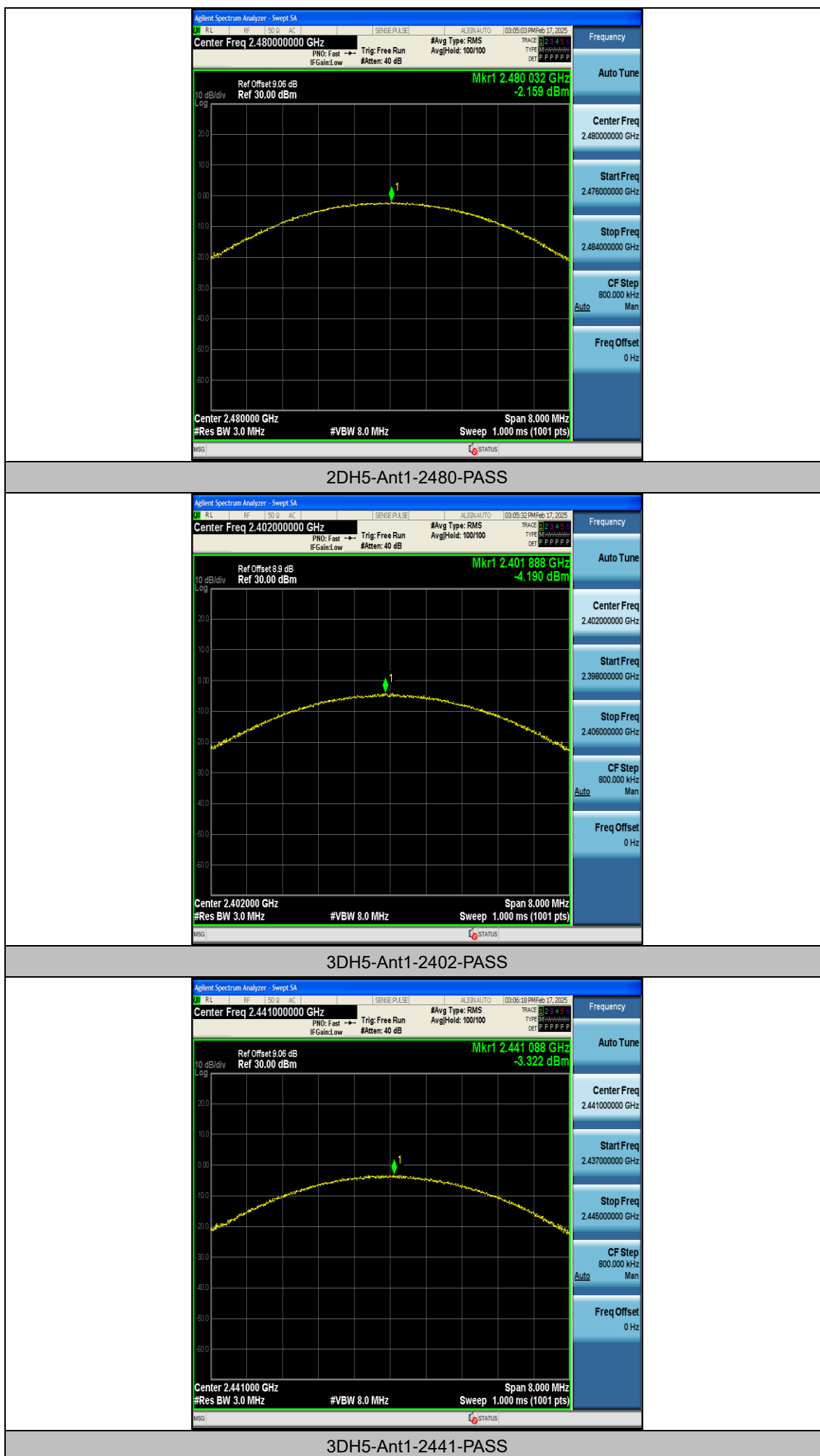
DH5-Ant1-2480-PASS

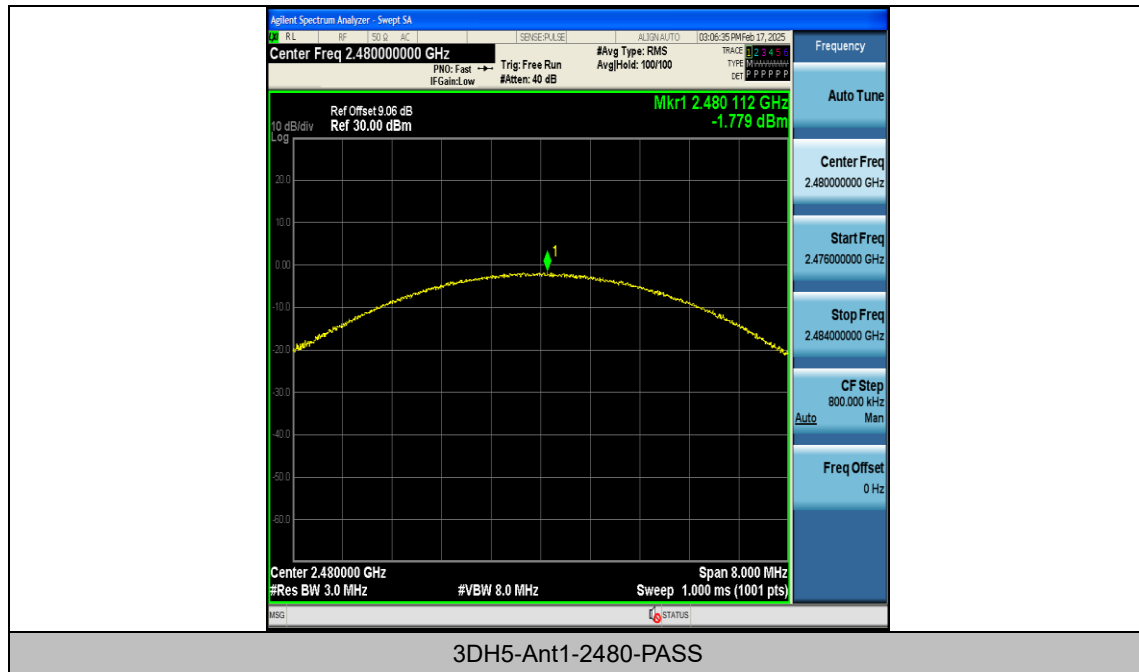


2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS



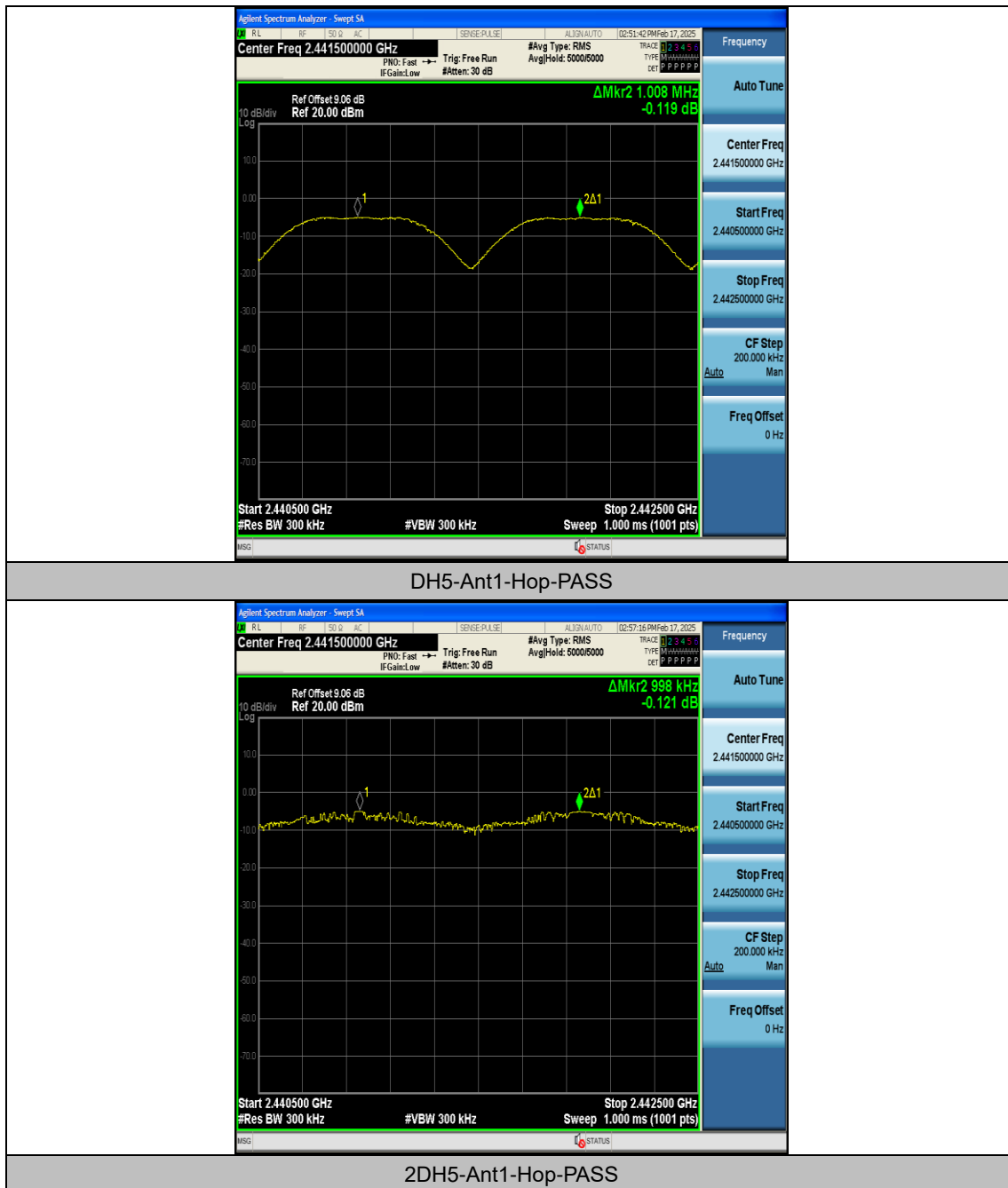


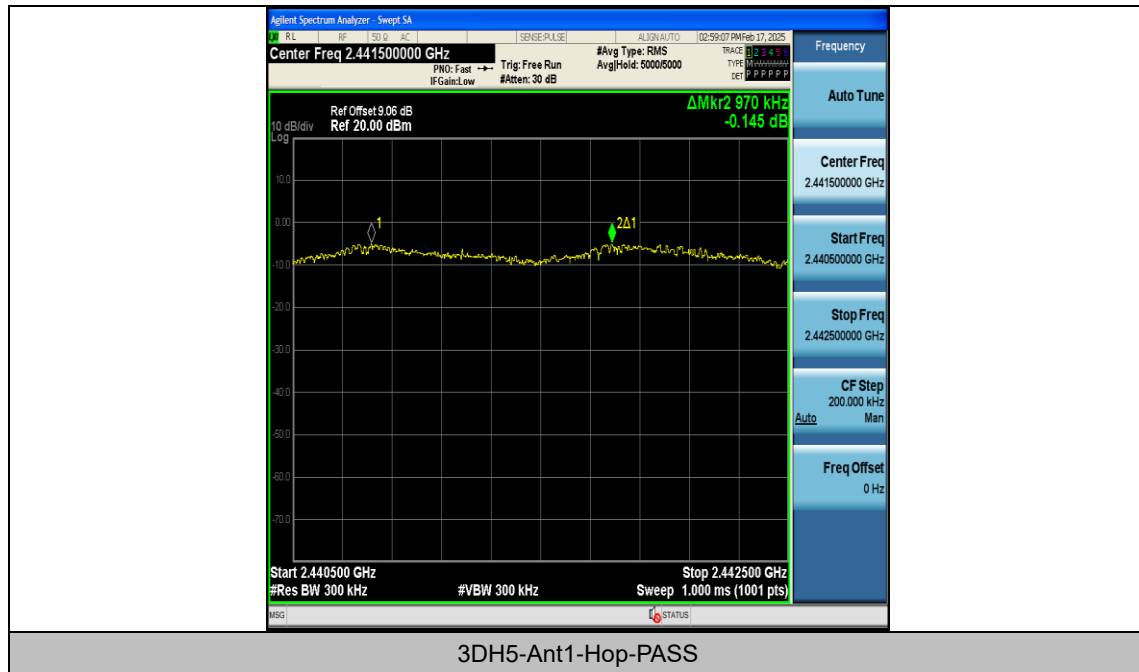
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.957	PASS
2DH5	Ant1	Hop	0.998	≥ 0.882	PASS
3DH5	Ant1	Hop	0.97	≥ 0.864	PASS

Test Graphs



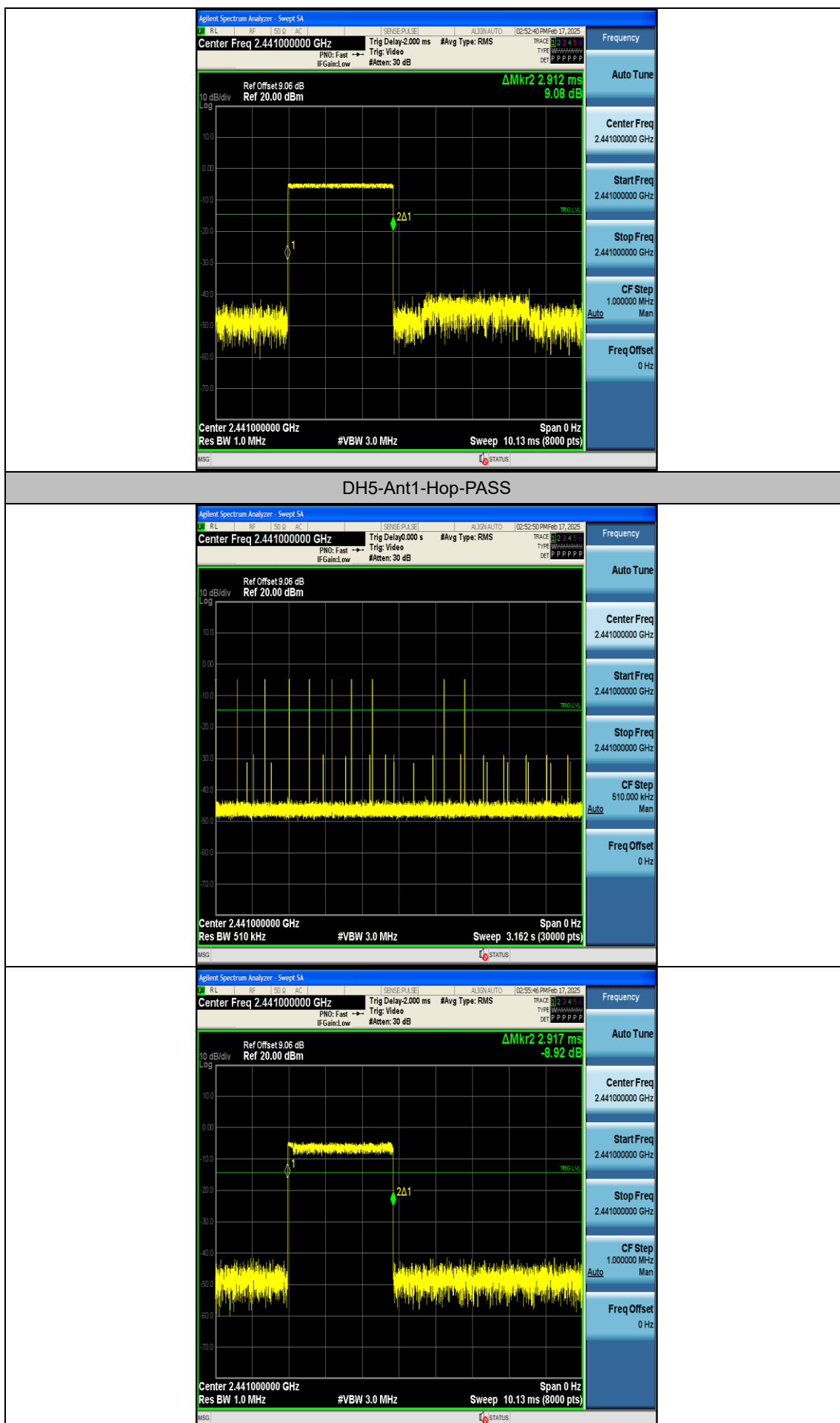


Appendix E: Time of occupancy

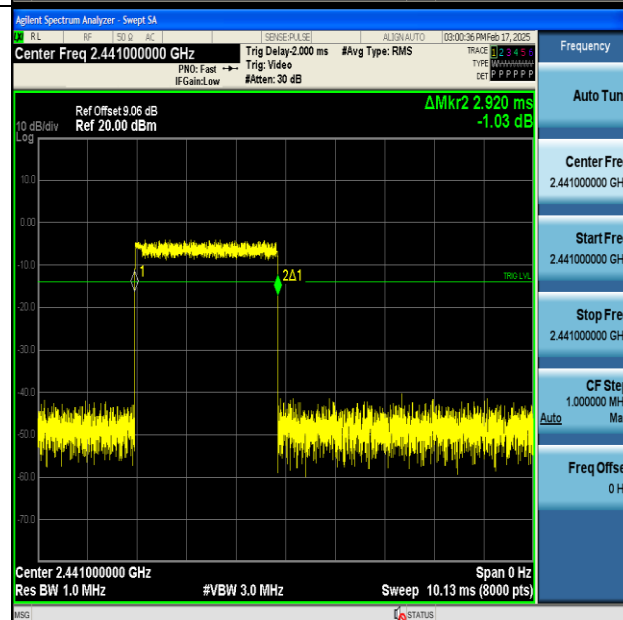
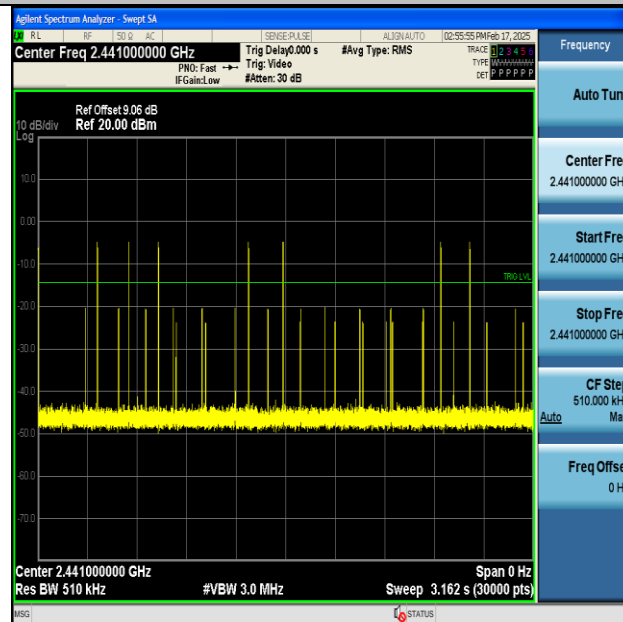
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.912	100	0.291	≤0.4	PASS
2DH5	Ant1	Hop	2.917	80	0.233	≤0.4	PASS
3DH5	Ant1	Hop	2.920	110	0.321	≤0.4	PASS

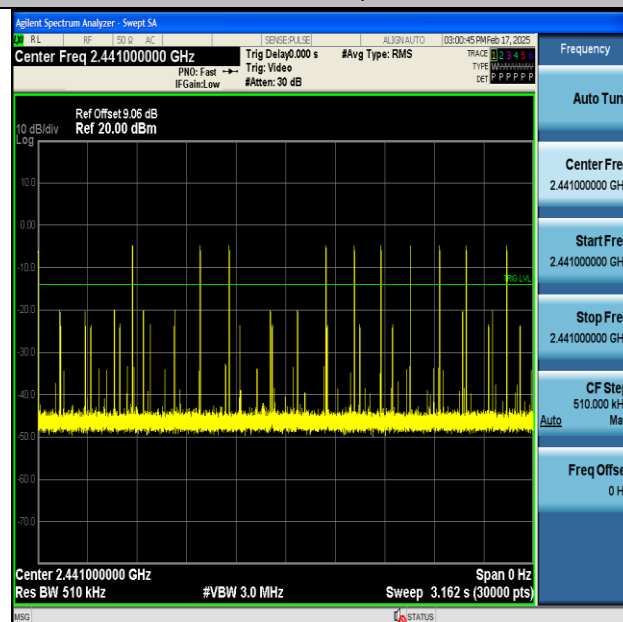
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

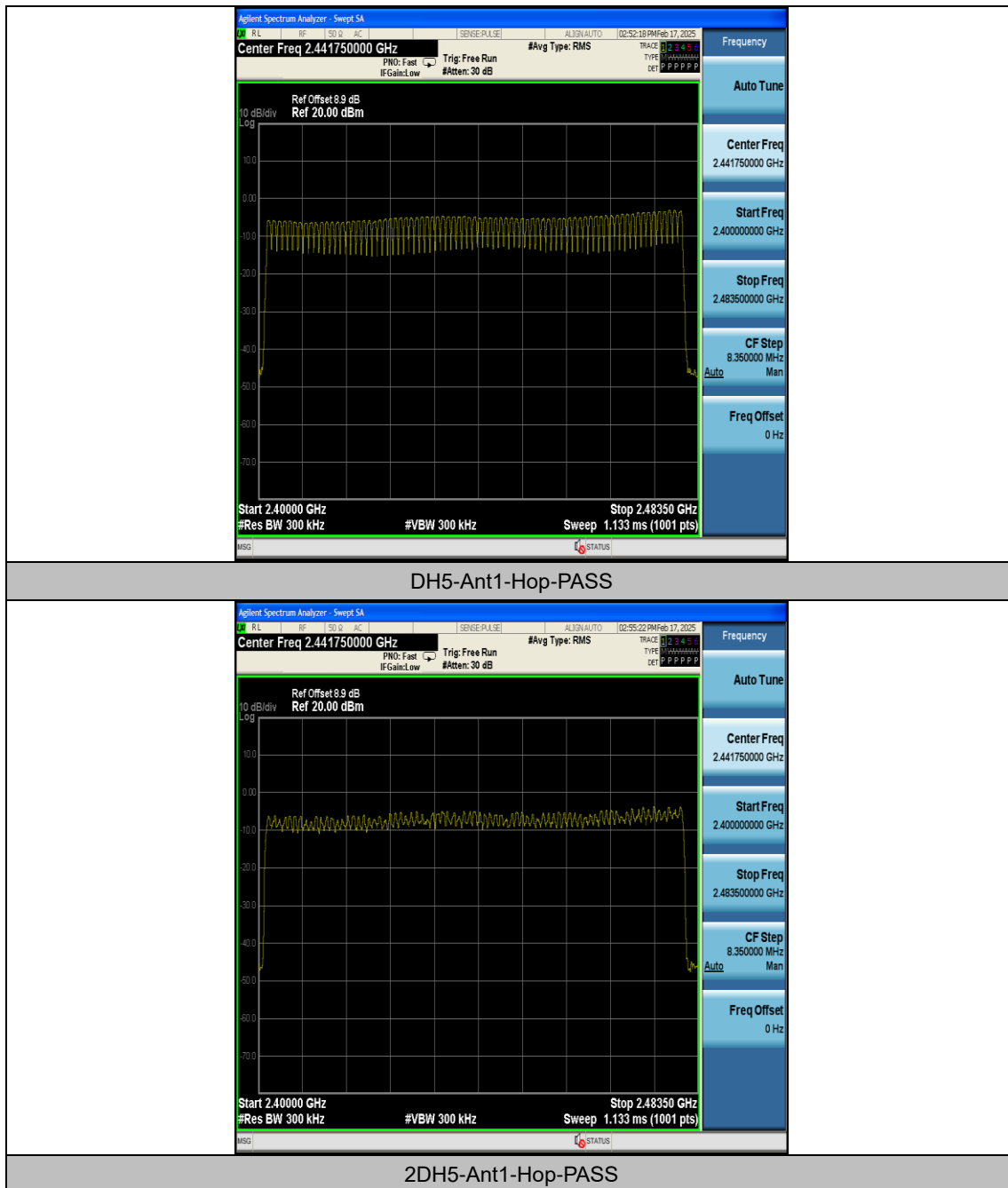


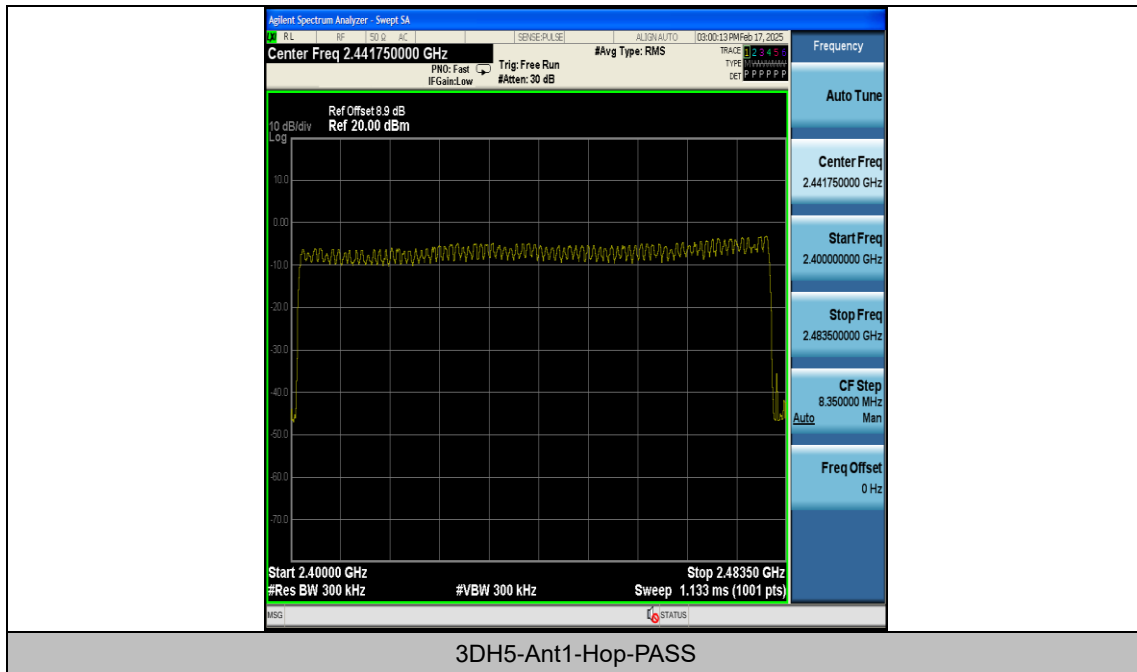
Appendix F: Number of hopping channels

Test Result

Test Mode	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



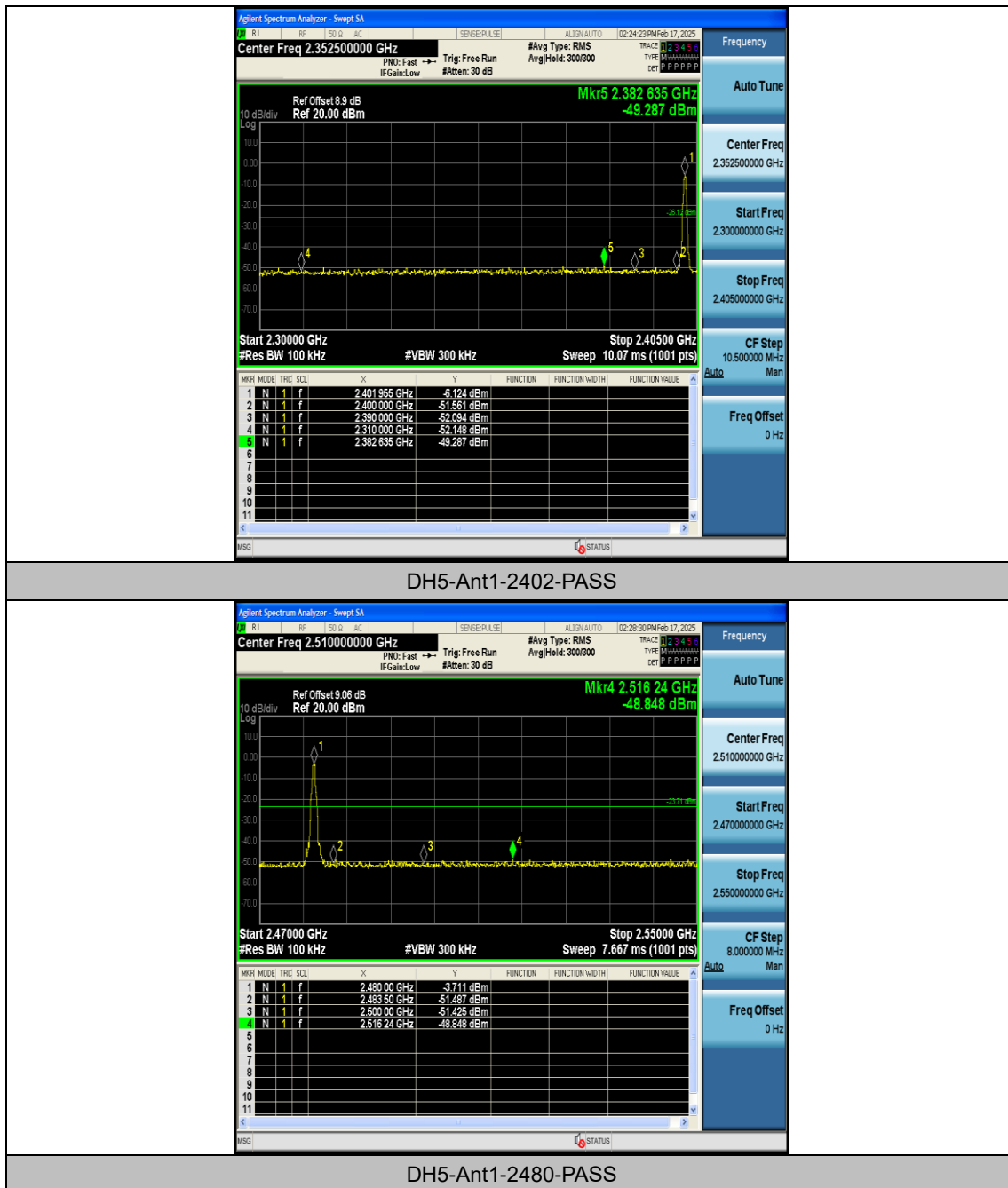


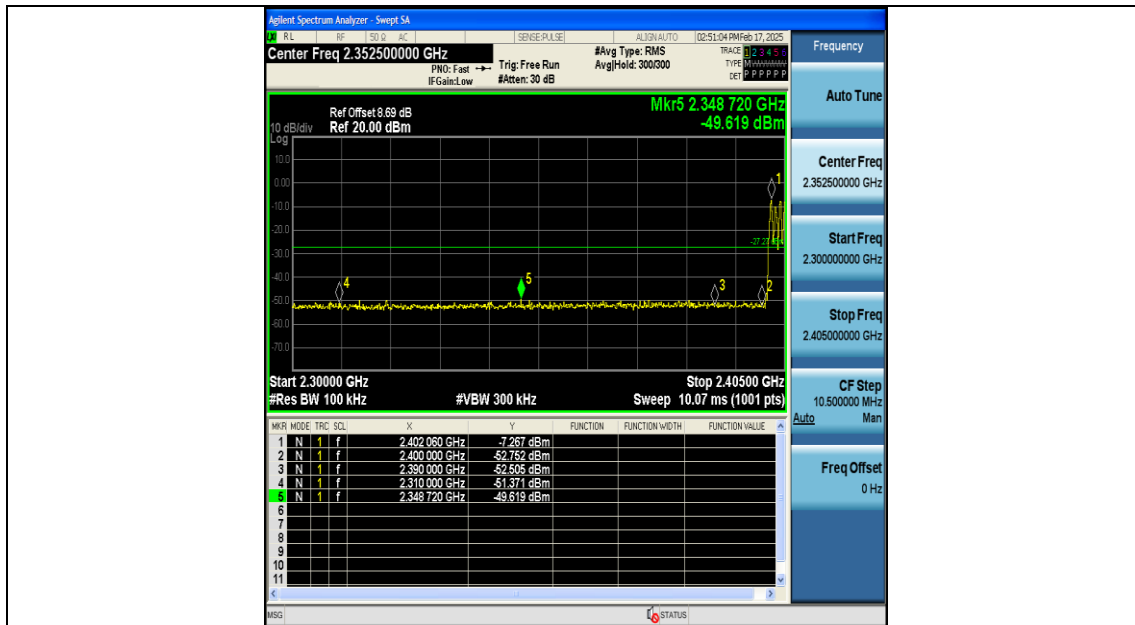
Appendix G: Band edge measurements

Test Result

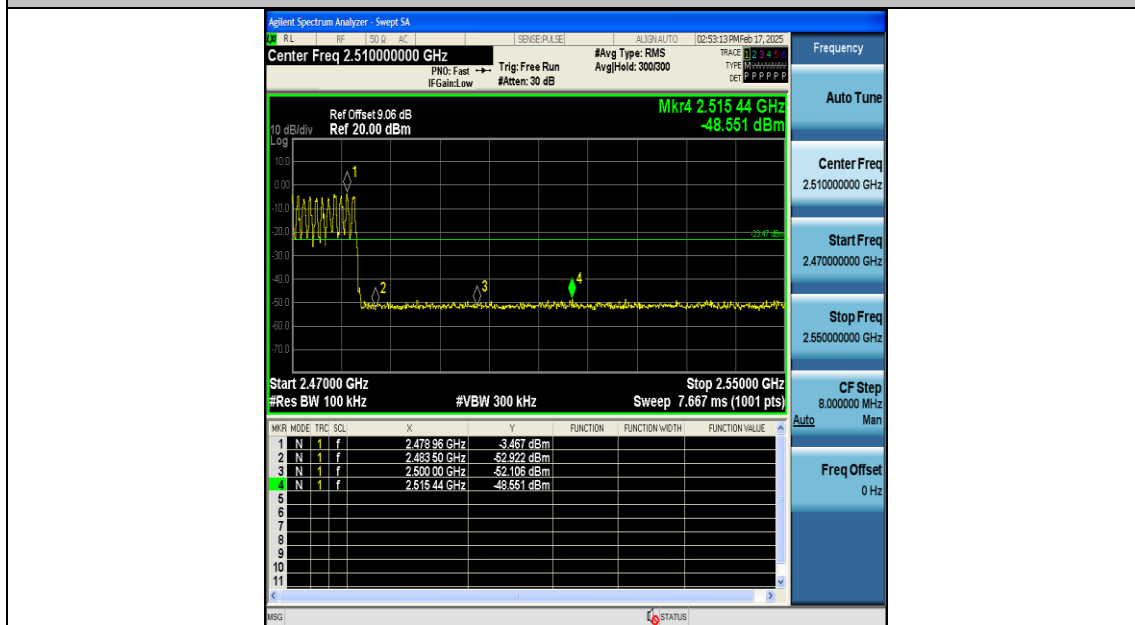
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-6.12	-49.29	≤ -26.12	PASS
DH5	Ant1	High	2480	-3.71	-48.85	≤ -23.71	PASS
DH5	Ant1	Low	Hop_2402	-7.27	-49.62	≤ -27.27	PASS
DH5	Ant1	High	Hop_2480	-3.47	-48.55	≤ -23.47	PASS
2DH5	Ant1	Low	2402	-6.14	-49.52	≤ -26.14	PASS
2DH5	Ant1	High	2480	-3.19	-48.18	≤ -23.19	PASS
2DH5	Ant1	Low	Hop_2402	-7.62	-49.71	≤ -27.62	PASS
2DH5	Ant1	High	Hop_2480	-5.65	-47.86	≤ -25.65	PASS
3DH5	Ant1	Low	2402	-5.83	-48.93	≤ -25.83	PASS
3DH5	Ant1	High	2480	-3.49	-47.75	≤ -23.49	PASS
3DH5	Ant1	Low	Hop_2402	-10.38	-49.69	≤ -30.38	PASS
3DH5	Ant1	High	Hop_2480	-7.62	-48.87	≤ -27.62	PASS

Test Graphs

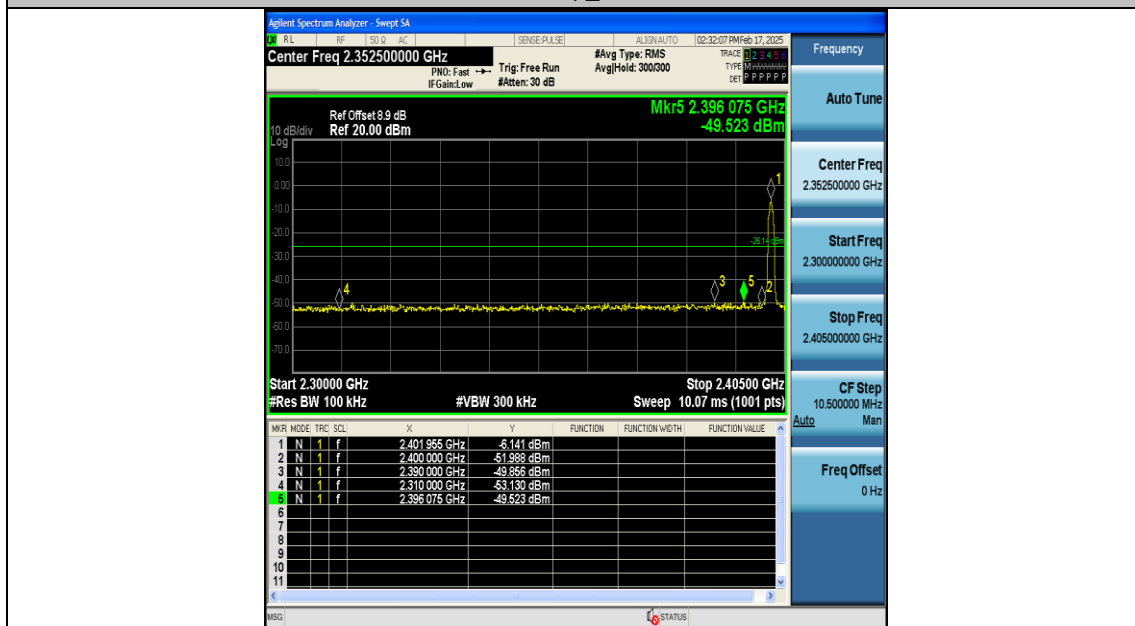




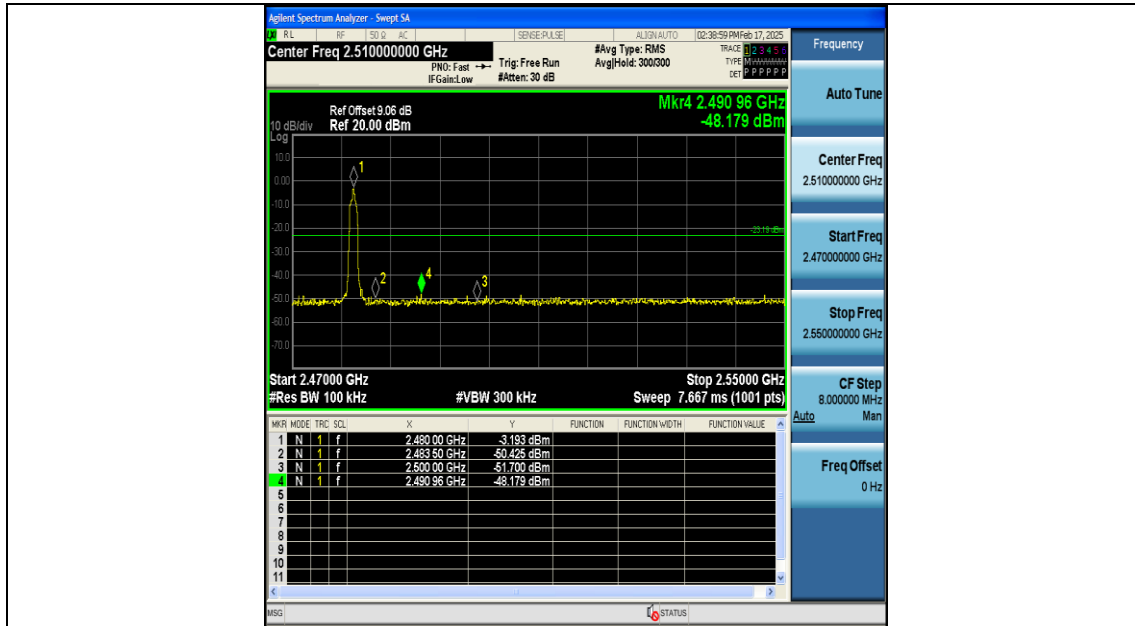
DH5-Ant1-Hop_2402-PASS



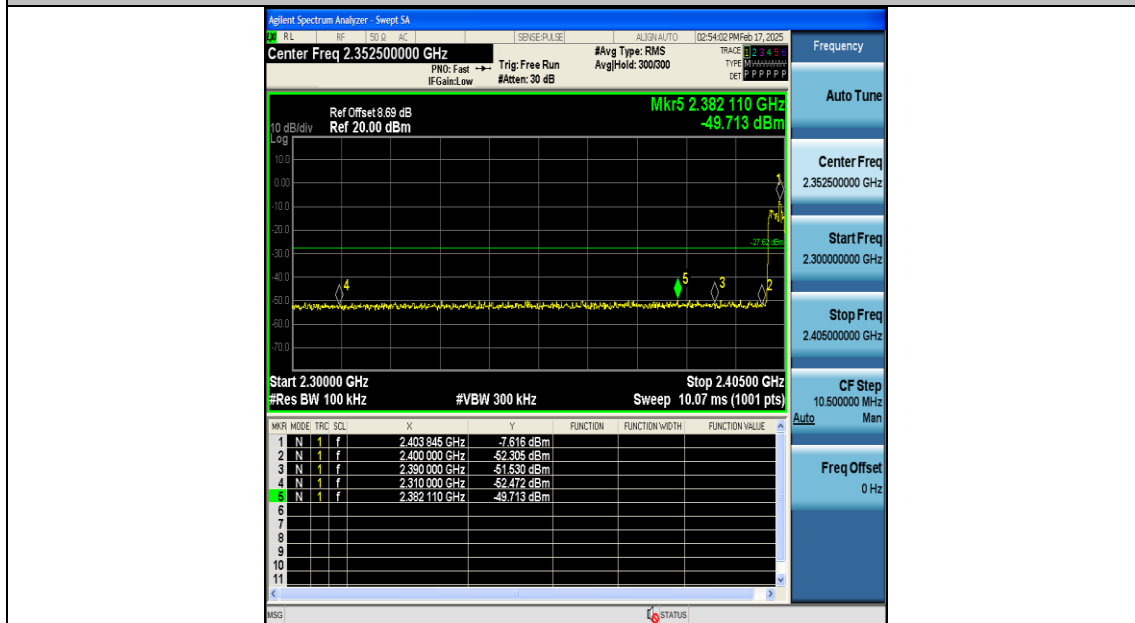
DH5-Ant1-Hop_2480-PASS



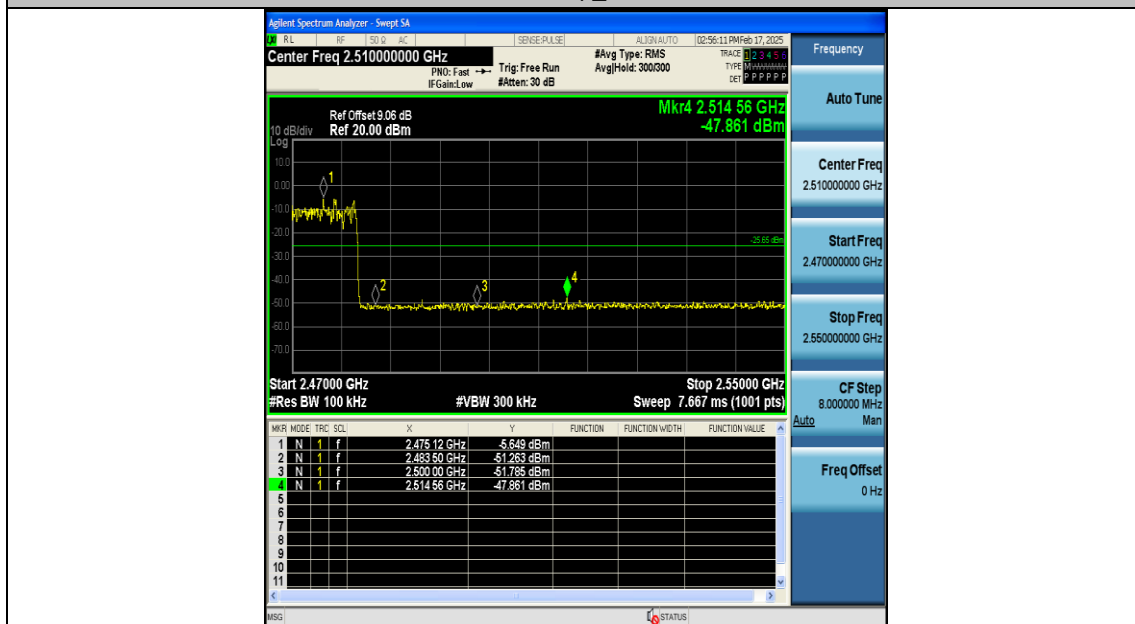
2DH5-Ant1-2402-PASS



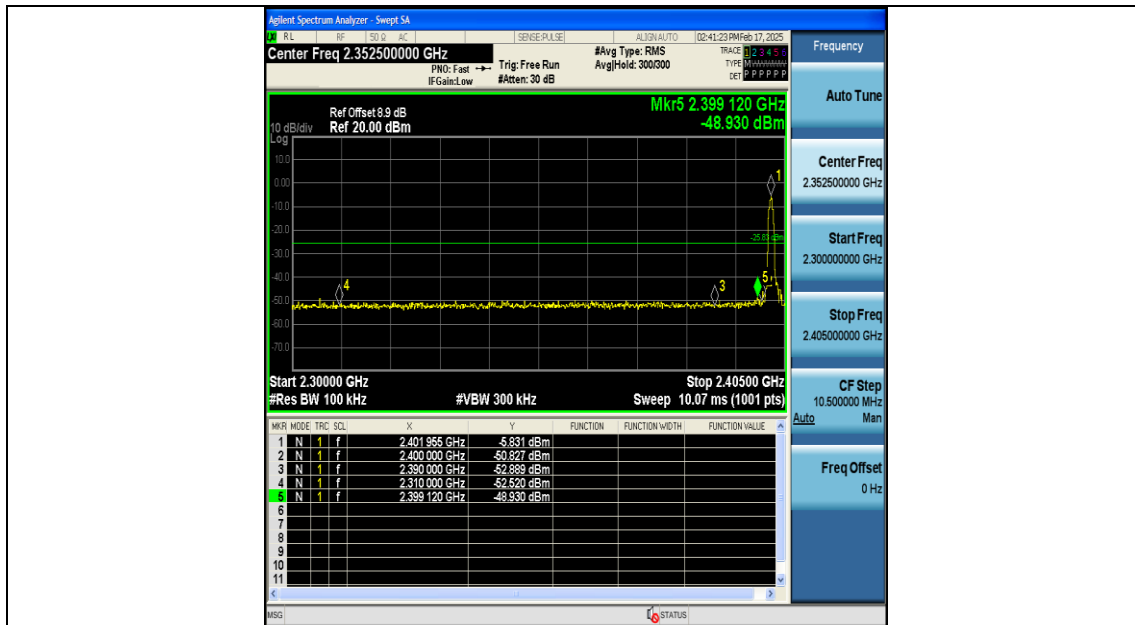
2DH5-Ant1-2480-PASS



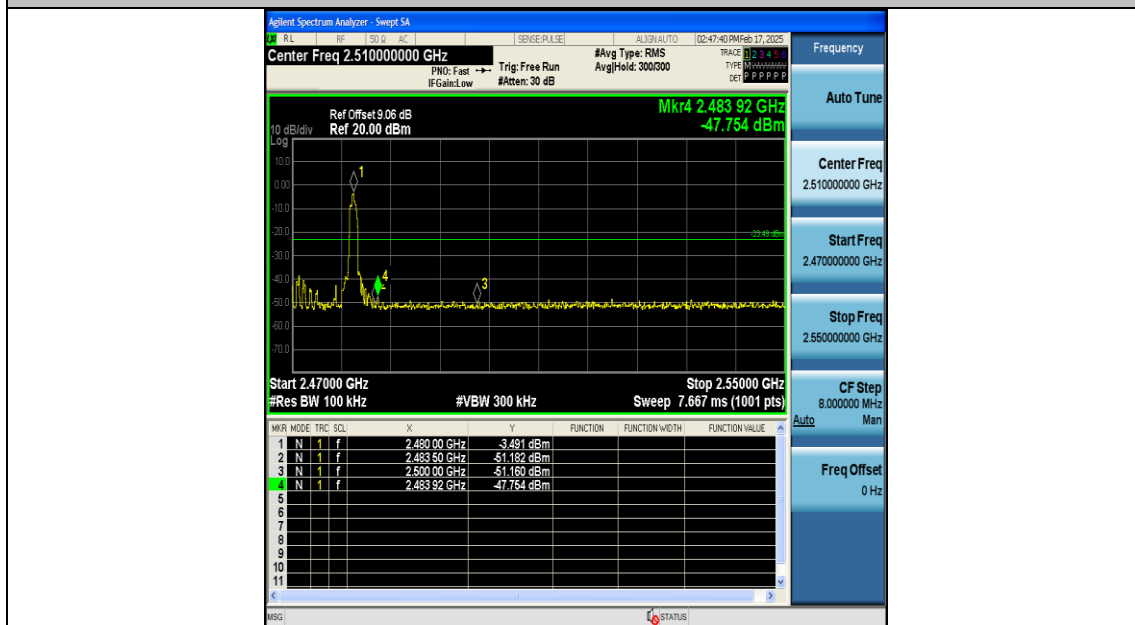
2DH5-Ant1-Hop_2402-PASS



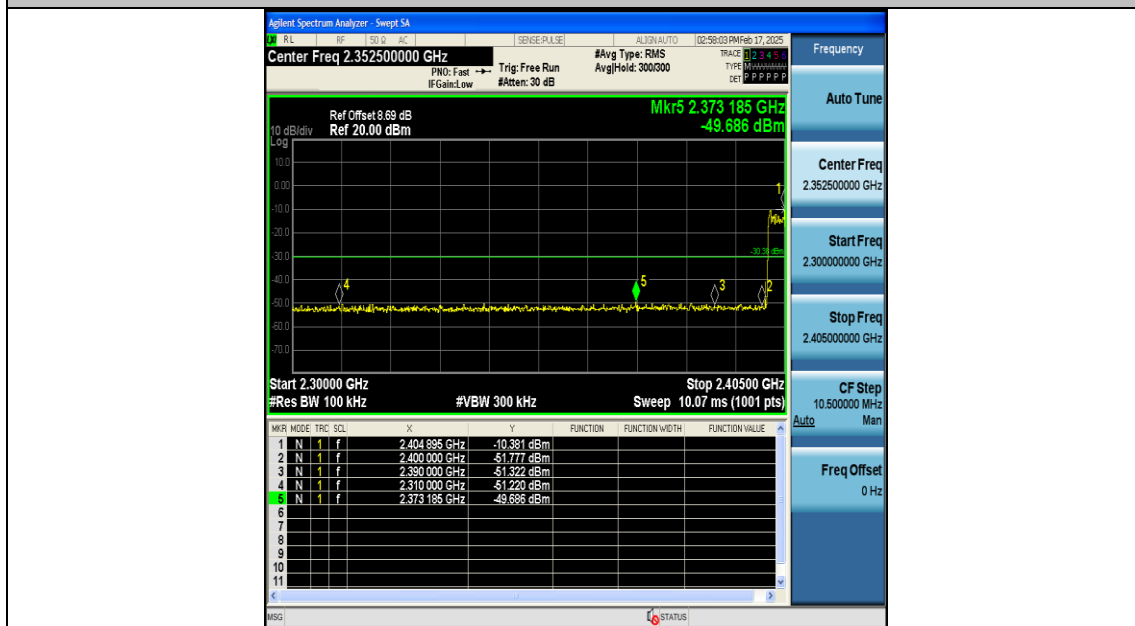
2DH5-Ant1-Hop_2480-PASS



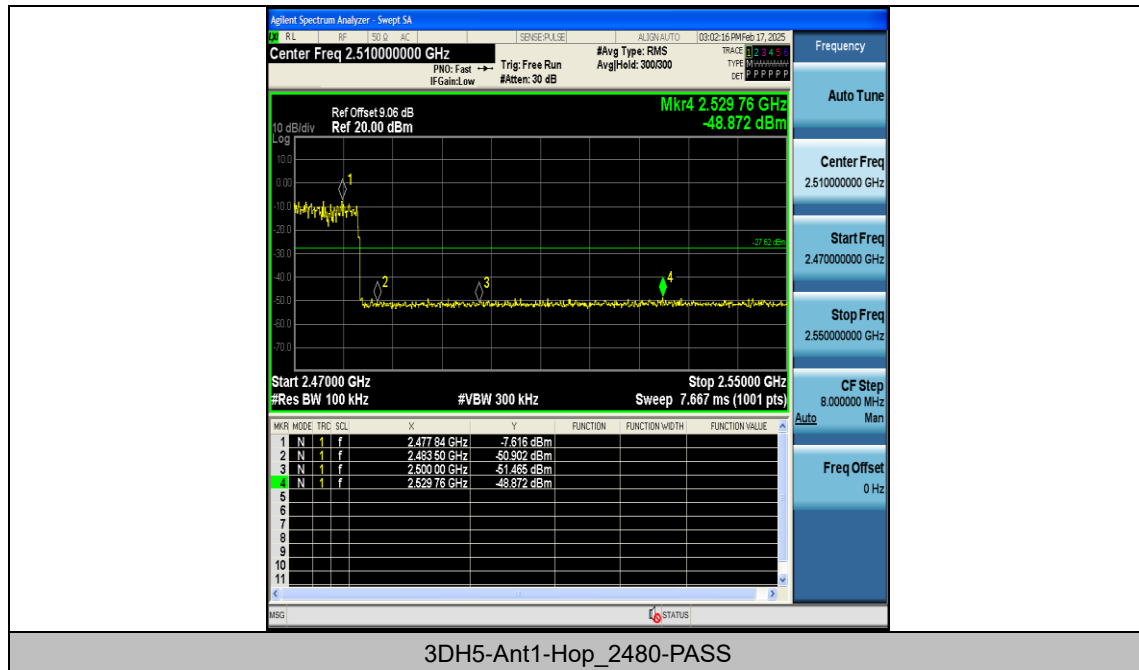
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

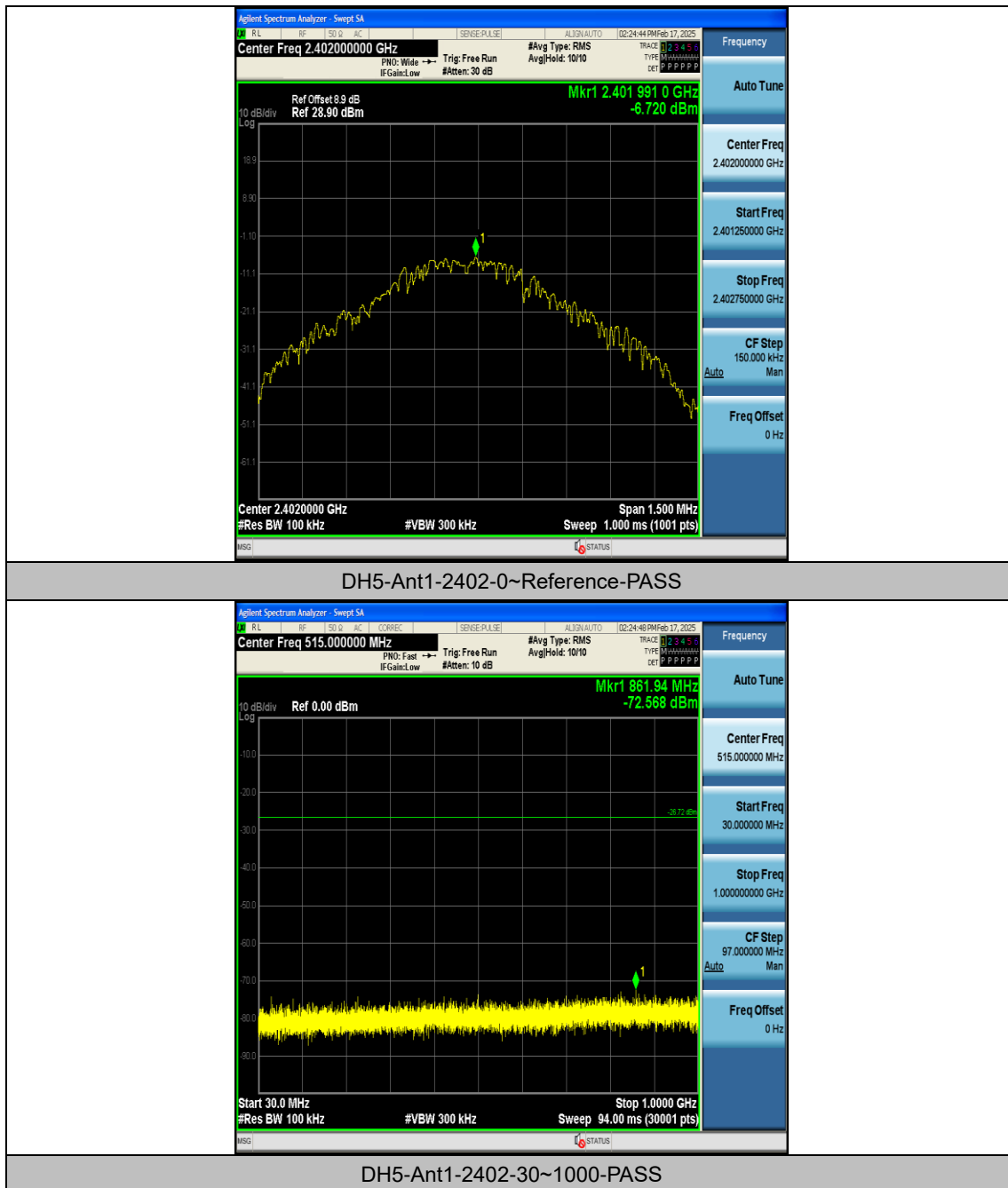


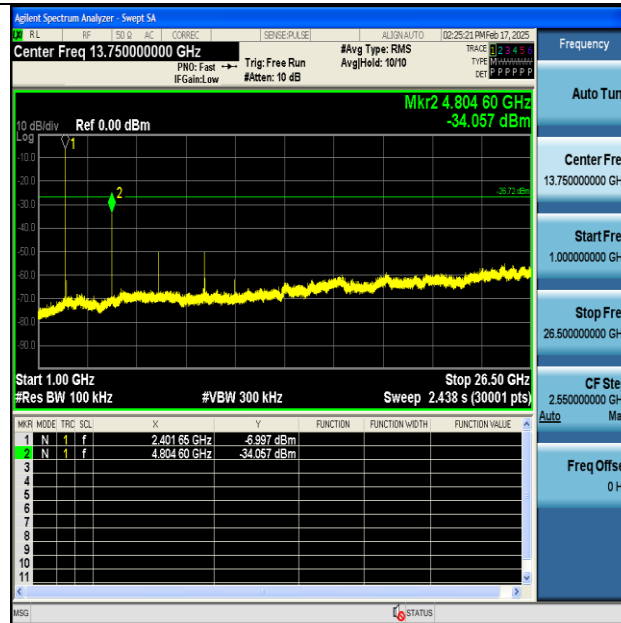
Appendix H: Conducted Spurious Emission

Test Result

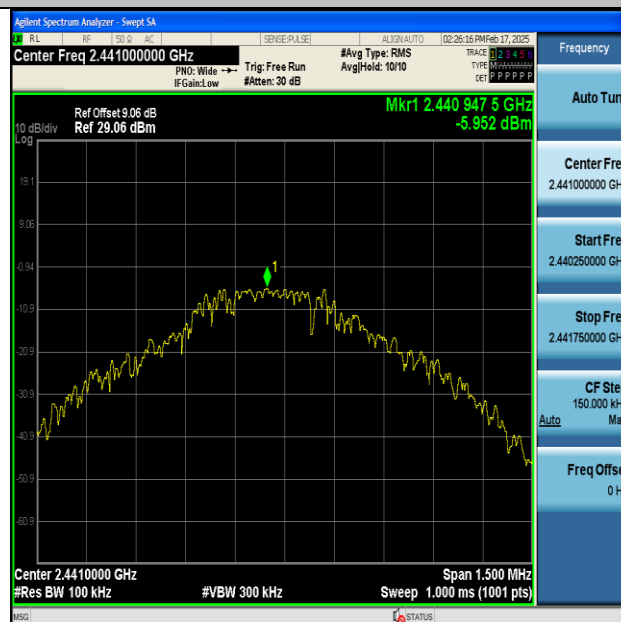
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-6.72	-6.72	---	PASS
DH5	Ant1	2402	30~1000	-6.72	-72.57	≤-26.72	PASS
DH5	Ant1	2402	1000~26500	-6.72	-34.06	≤-26.72	PASS
DH5	Ant1	2441	0~Reference	-5.95	-5.95	---	PASS
DH5	Ant1	2441	30~1000	-5.95	-72.94	≤-25.95	PASS
DH5	Ant1	2441	1000~26500	-5.95	-32.41	≤-25.95	PASS
DH5	Ant1	2480	0~Reference	-4.33	-4.33	---	PASS
DH5	Ant1	2480	30~1000	-4.33	-73.23	≤-24.33	PASS
DH5	Ant1	2480	1000~26500	-4.33	-32.91	≤-24.33	PASS
2DH5	Ant1	2402	0~Reference	-11.07	-11.07	---	PASS
2DH5	Ant1	2402	30~1000	-11.07	-72.56	≤-31.07	PASS
2DH5	Ant1	2402	1000~26500	-11.07	-38.13	≤-31.07	PASS
2DH5	Ant1	2441	0~Reference	-9.73	-9.73	---	PASS
2DH5	Ant1	2441	30~1000	-9.73	-73.01	≤-29.73	PASS
2DH5	Ant1	2441	1000~26500	-9.73	-37.7	≤-29.73	PASS
2DH5	Ant1	2480	0~Reference	-4.97	-4.97	---	PASS
2DH5	Ant1	2480	30~1000	-4.97	-72.09	≤-24.97	PASS
2DH5	Ant1	2480	1000~26500	-4.97	-33.42	≤-24.97	PASS
3DH5	Ant1	2402	0~Reference	-6.02	-6.02	---	PASS
3DH5	Ant1	2402	30~1000	-6.02	-72.21	≤-26.02	PASS
3DH5	Ant1	2402	1000~26500	-6.02	-39.01	≤-26.02	PASS
3DH5	Ant1	2441	0~Reference	-6.92	-6.92	---	PASS
3DH5	Ant1	2441	30~1000	-6.92	-72.48	≤-26.92	PASS
3DH5	Ant1	2441	1000~26500	-6.92	-36.71	≤-26.92	PASS
3DH5	Ant1	2480	0~Reference	-6.96	-6.96	---	PASS
3DH5	Ant1	2480	30~1000	-6.96	-72.41	≤-26.96	PASS
3DH5	Ant1	2480	1000~26500	-6.96	-36.95	≤-26.96	PASS

Test Graphs

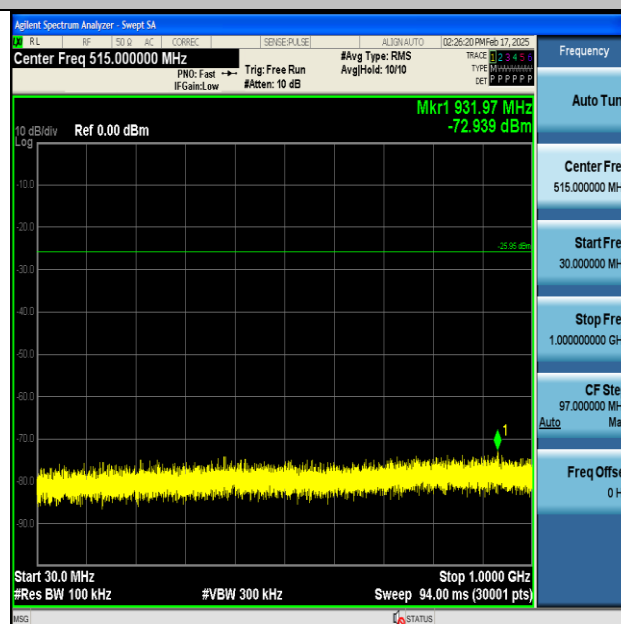




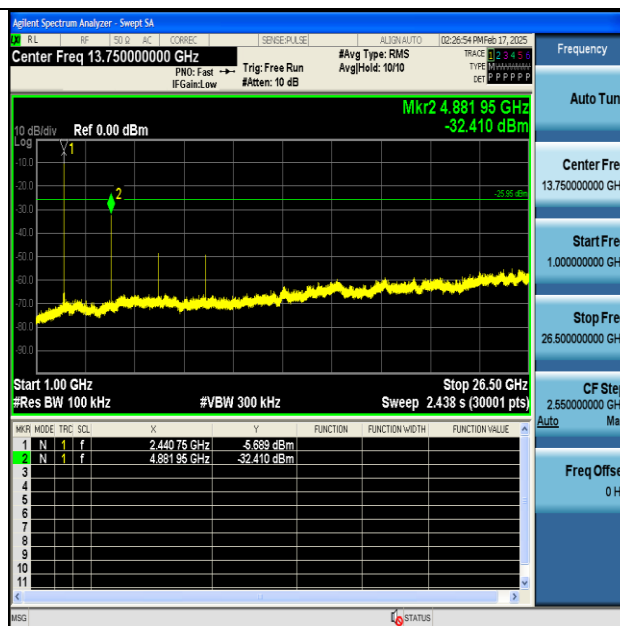
DH5-Ant1-2402-1000~26500-PASS



DH5-Ant1-2441-0~Reference-PASS



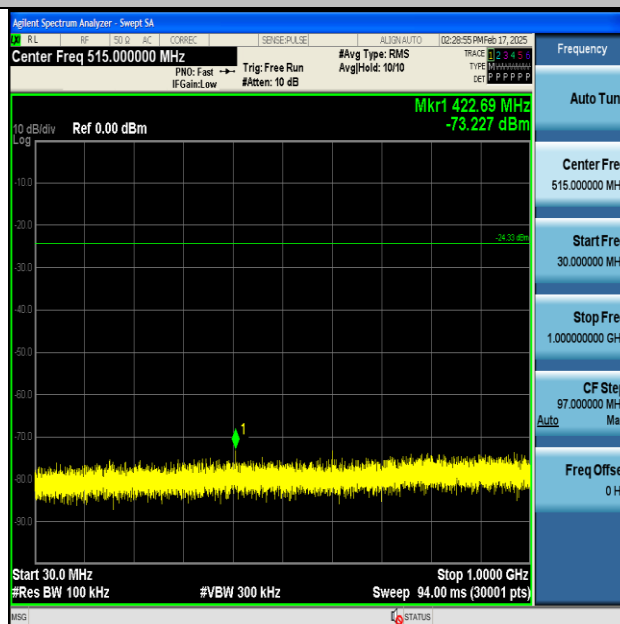
DH5-Ant1-2441-30~1000-PASS



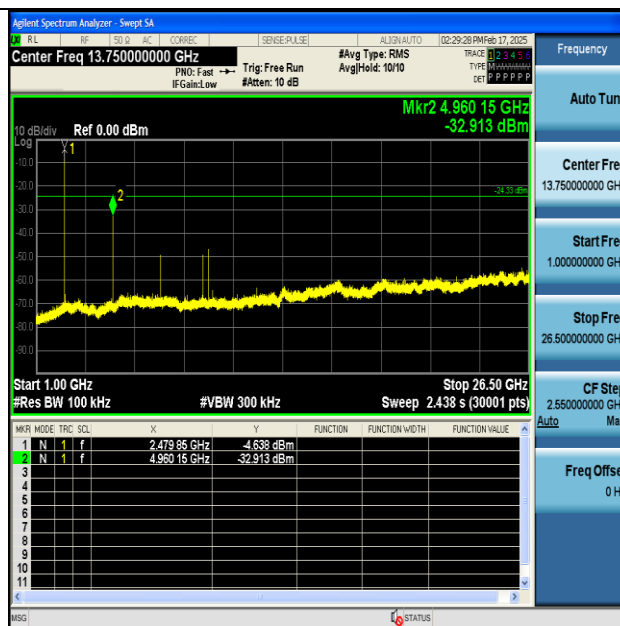
DH5-Ant1-2441-1000~26500-PASS



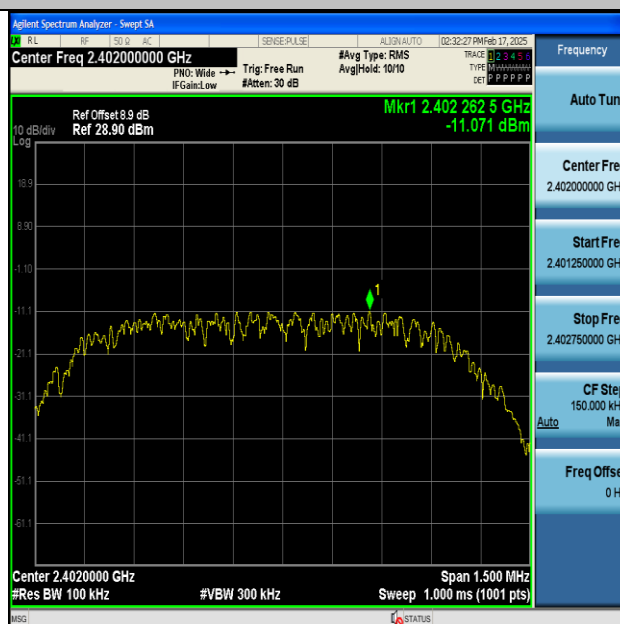
DH5-Ant1-2480-0~Reference-PASS



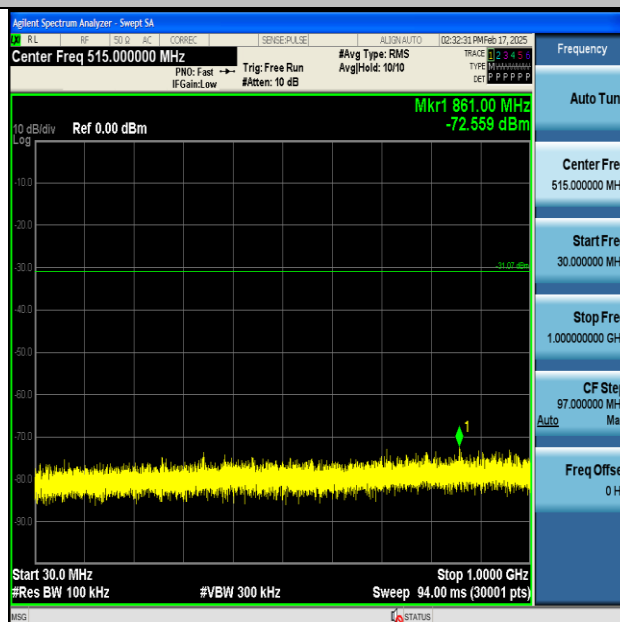
DH5-Ant1-2480-30~1000-PASS



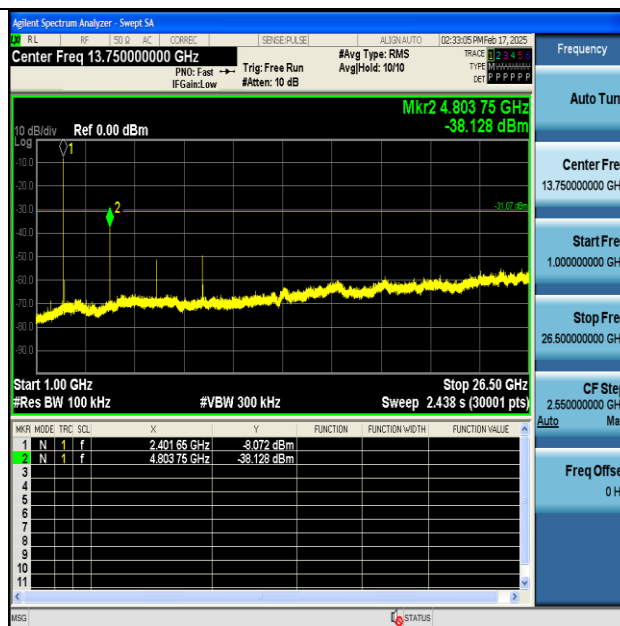
DH5-Ant1-2480-1000~26500-PASS



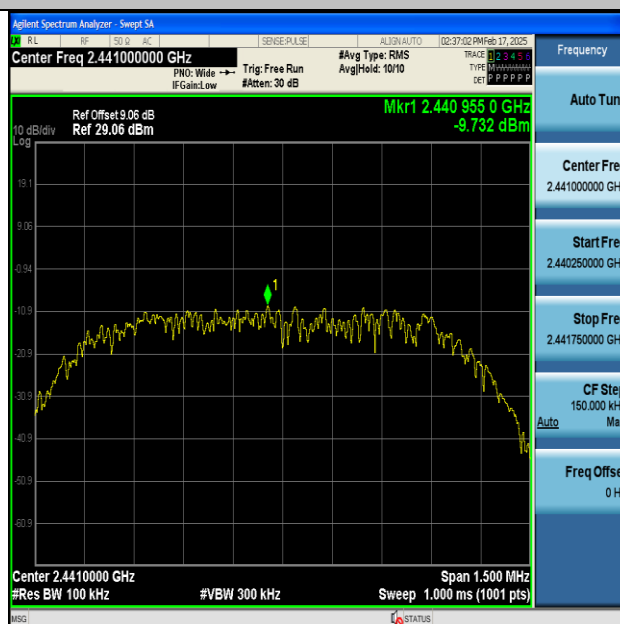
2DH5-Ant1-2402-0~Reference-PASS



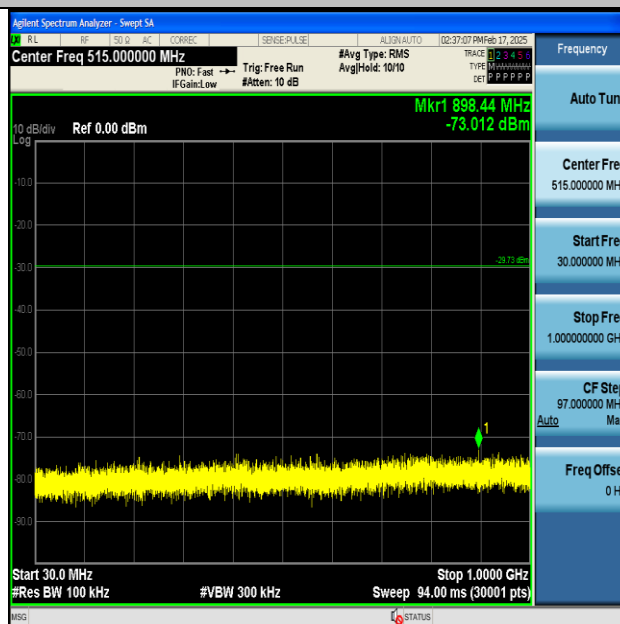
2DH5-Ant1-2402-30~1000-PASS



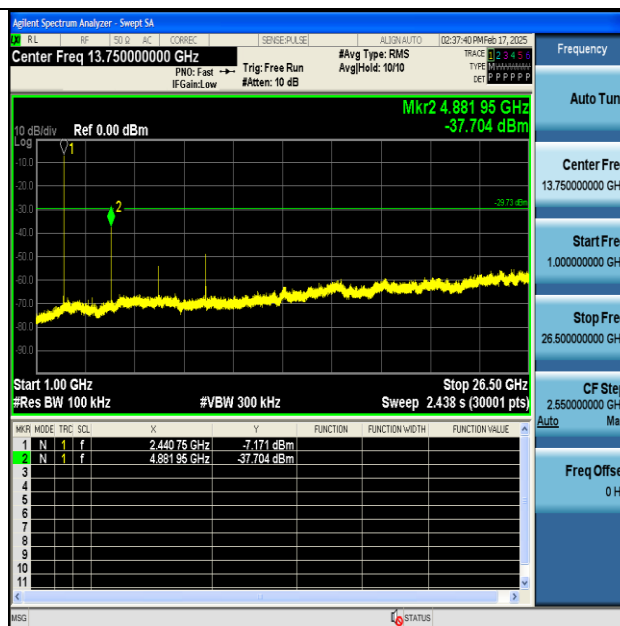
2DH5-Ant1-2402-1000~26500-PASS



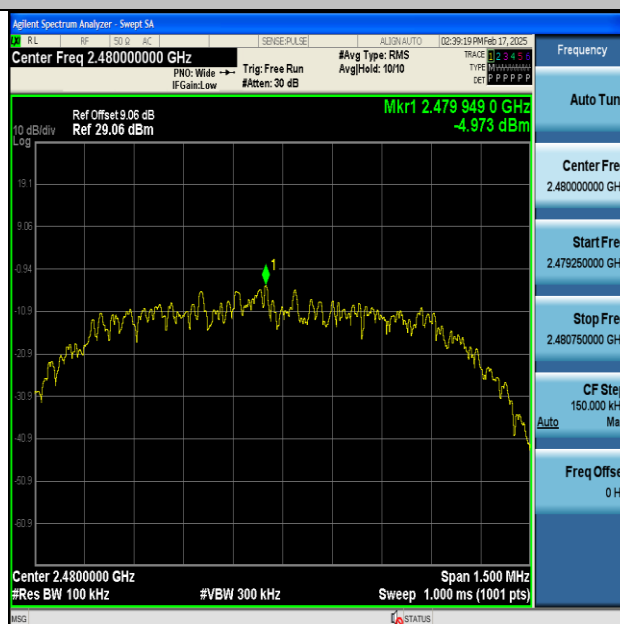
2DH5-Ant1-2441-0~Reference-PASS



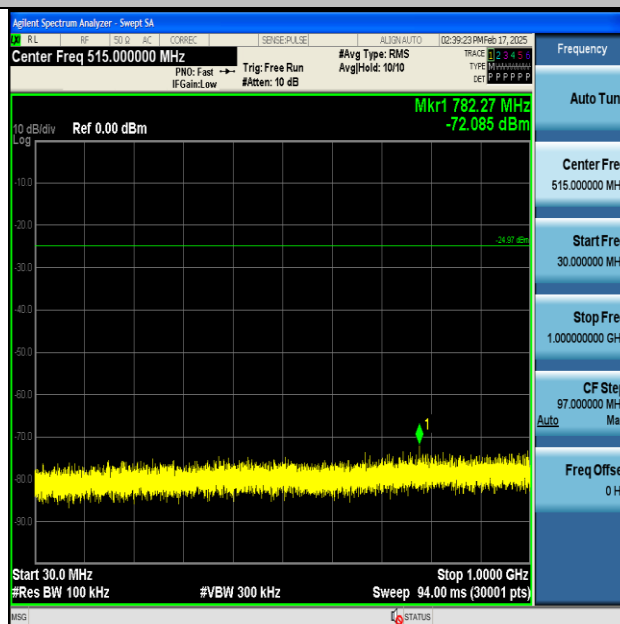
2DH5-Ant1-2441-30~1000-PASS



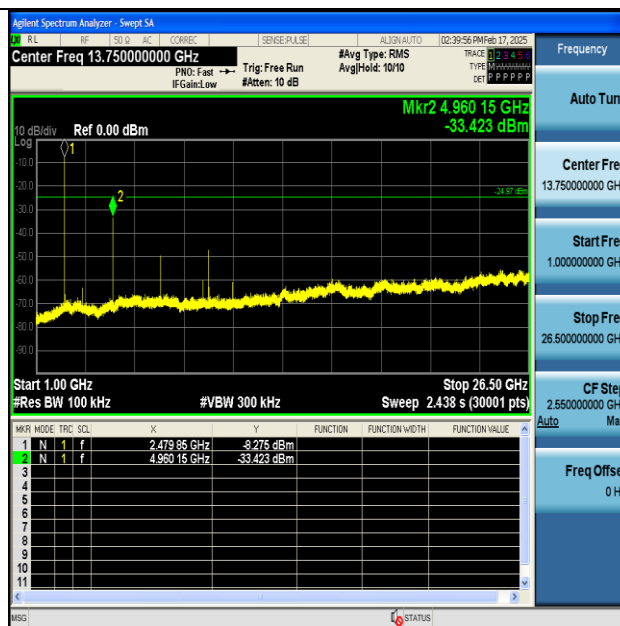
2DH5-Ant1-2441-1000~26500-PASS



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



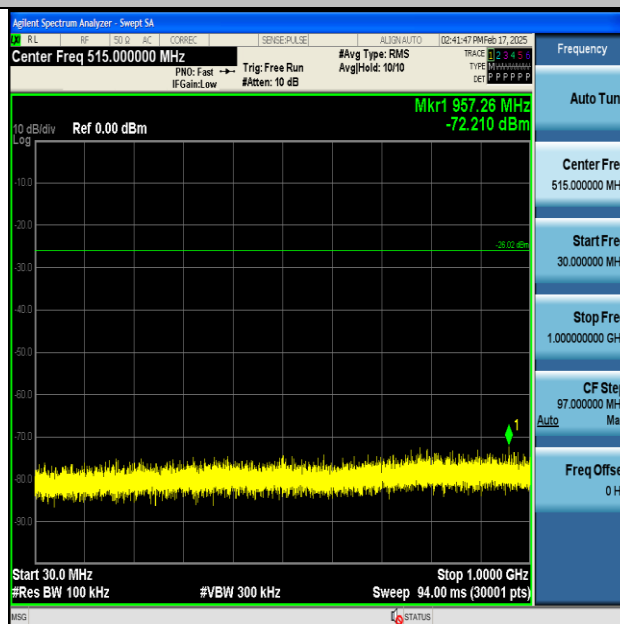
2DH5-Ant1-2480-30~1000-PASS



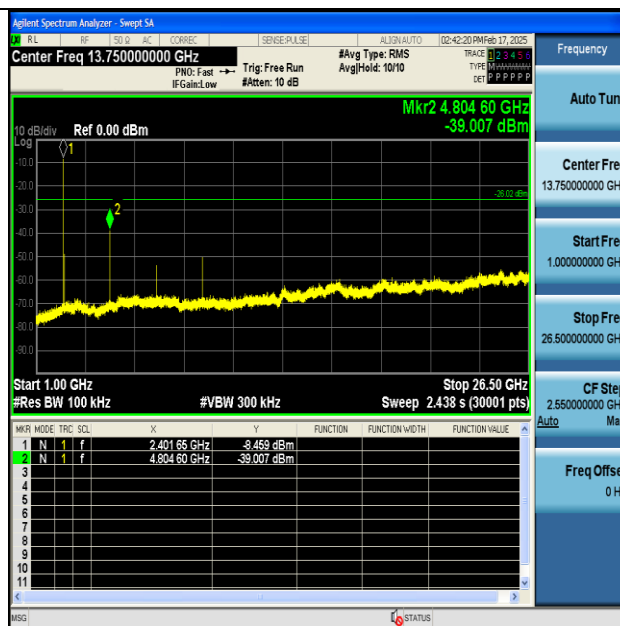
2DH5-Ant1-2480-1000~26500-PASS



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



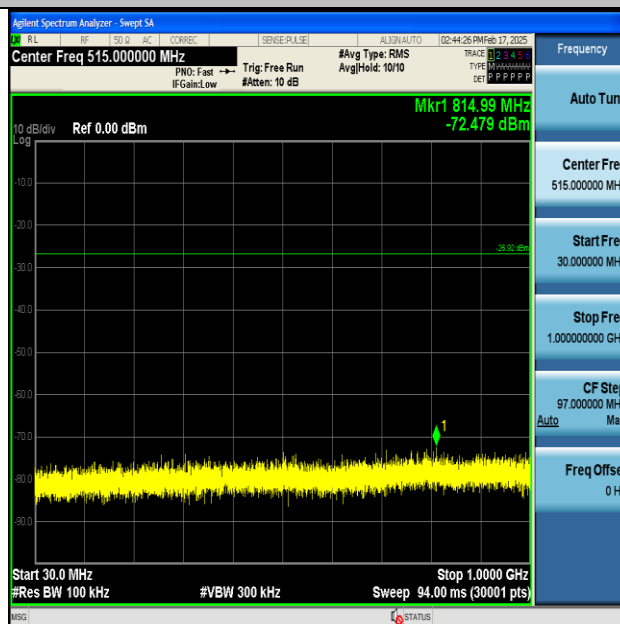
3DH5-Ant1-2402-30~1000-PASS



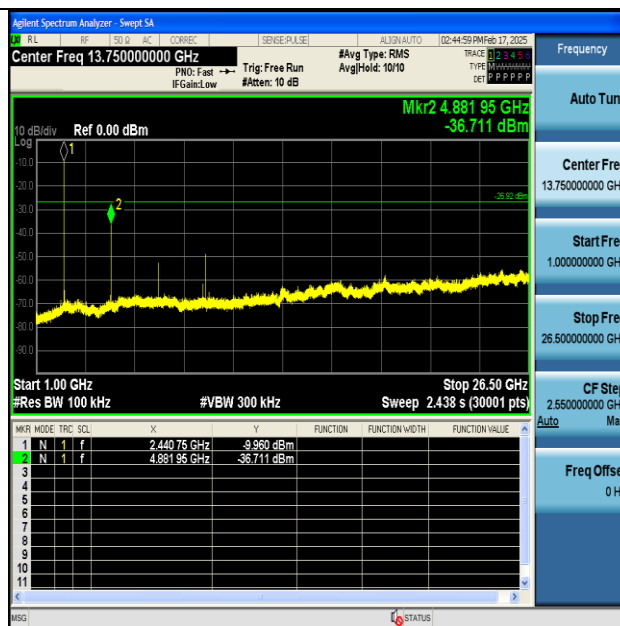
3DH5-Ant1-2402-1000~26500-PASS



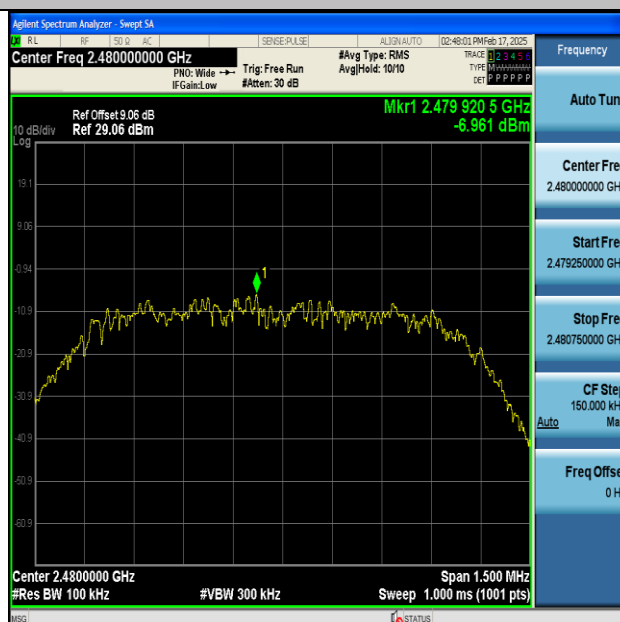
3DH5-Ant1-2441-0~Reference-PASS



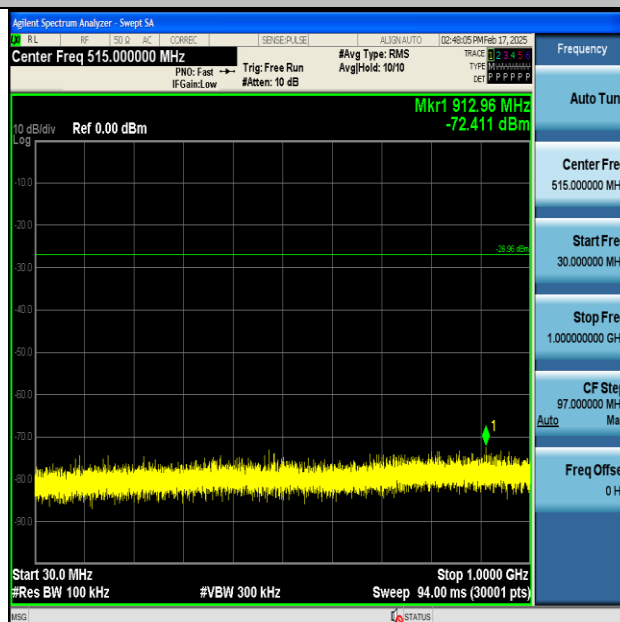
3DH5-Ant1-2441-30~1000-PASS



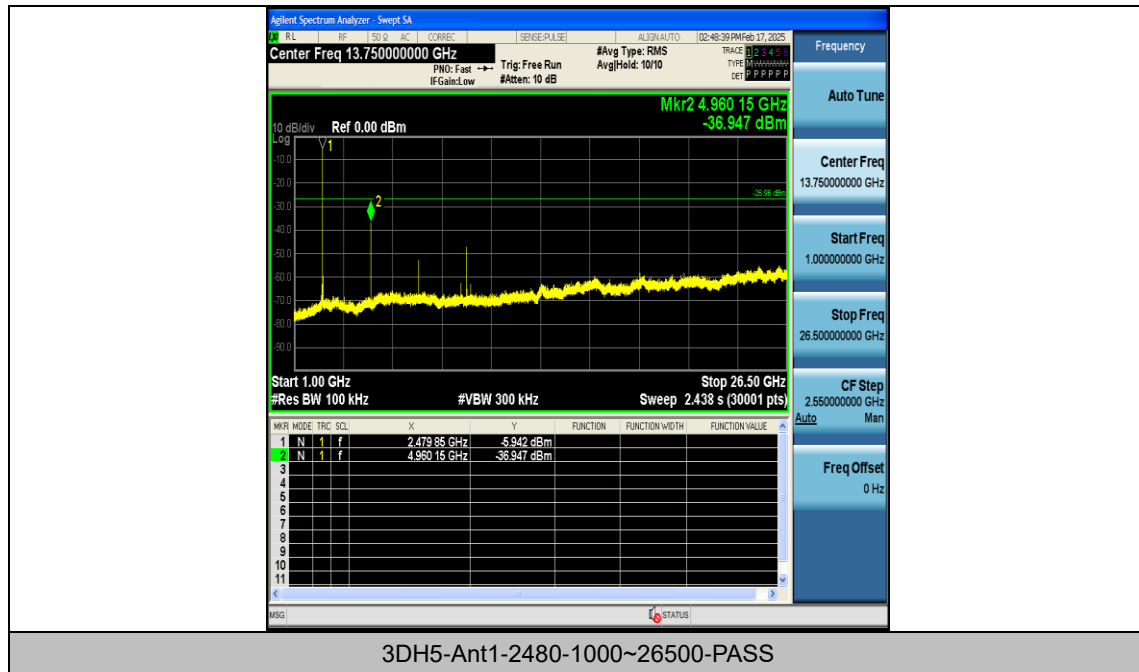
3DH5-Ant1-2441-1000~26500-PASS



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



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

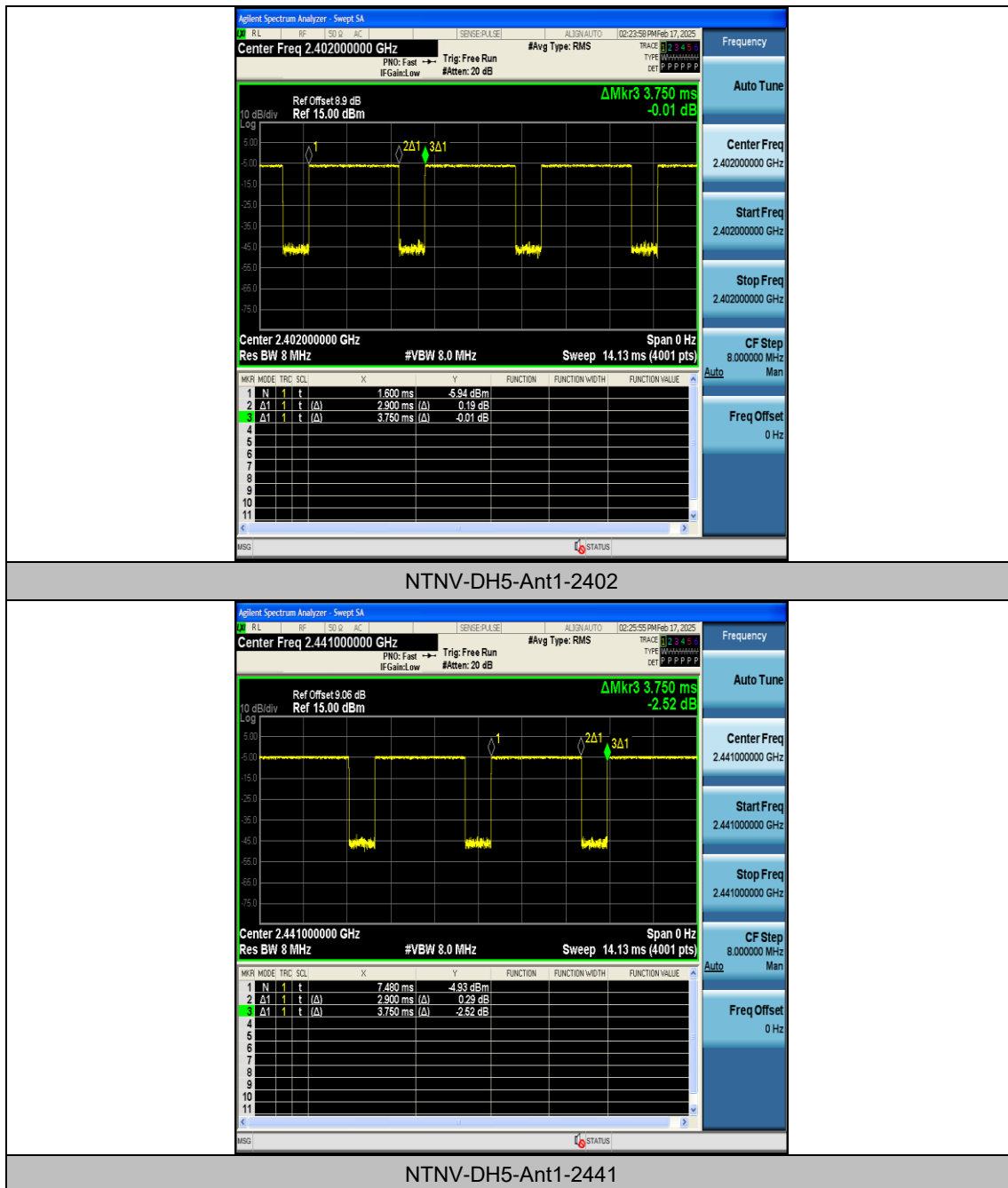


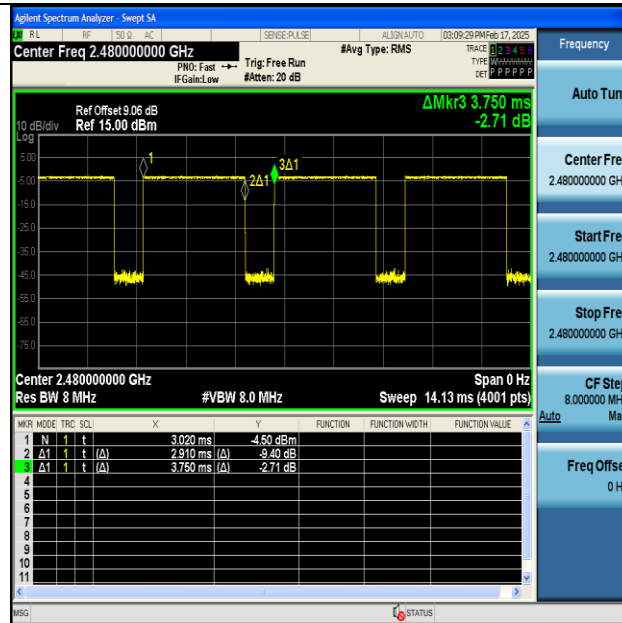
Appendix I: Duty Cycle

Test Result

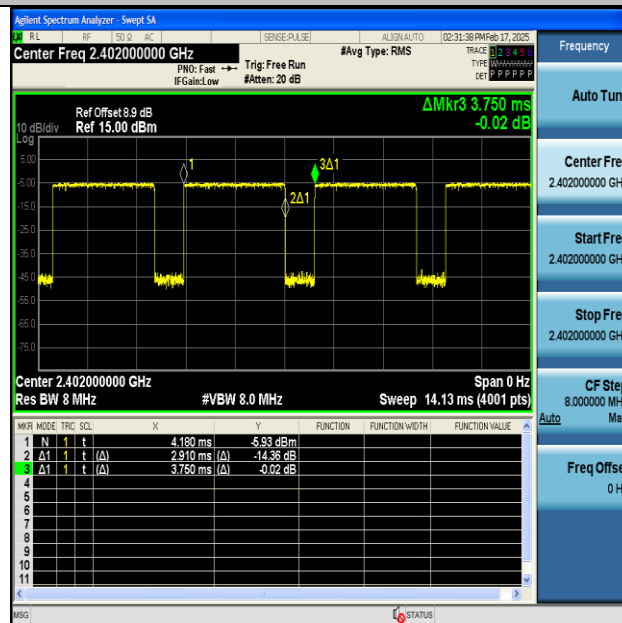
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.90	3.75	77.33	1.12
DH5	Ant1	2441	2.90	3.75	77.33	1.12
DH5	Ant1	2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.91	3.75	77.60	1.10
2DH5	Ant1	2441	2.91	3.75	77.60	1.10
2DH5	Ant1	2480	2.91	3.75	77.60	1.10
3DH5	Ant1	2402	2.91	3.74	77.81	1.09
3DH5	Ant1	2441	2.91	3.75	77.60	1.10
3DH5	Ant1	2480	2.91	3.75	77.60	1.10

Test Graphs

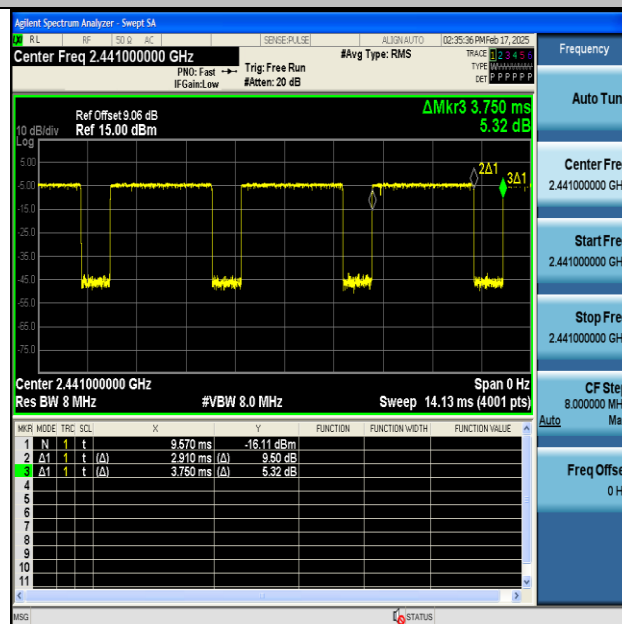




NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441

