

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

Product Name: MG Flasher Adapter

Trade Mark: /

Test Model: MG-100

FCC ID: 2AWSB-MG100

Environmental Conditions

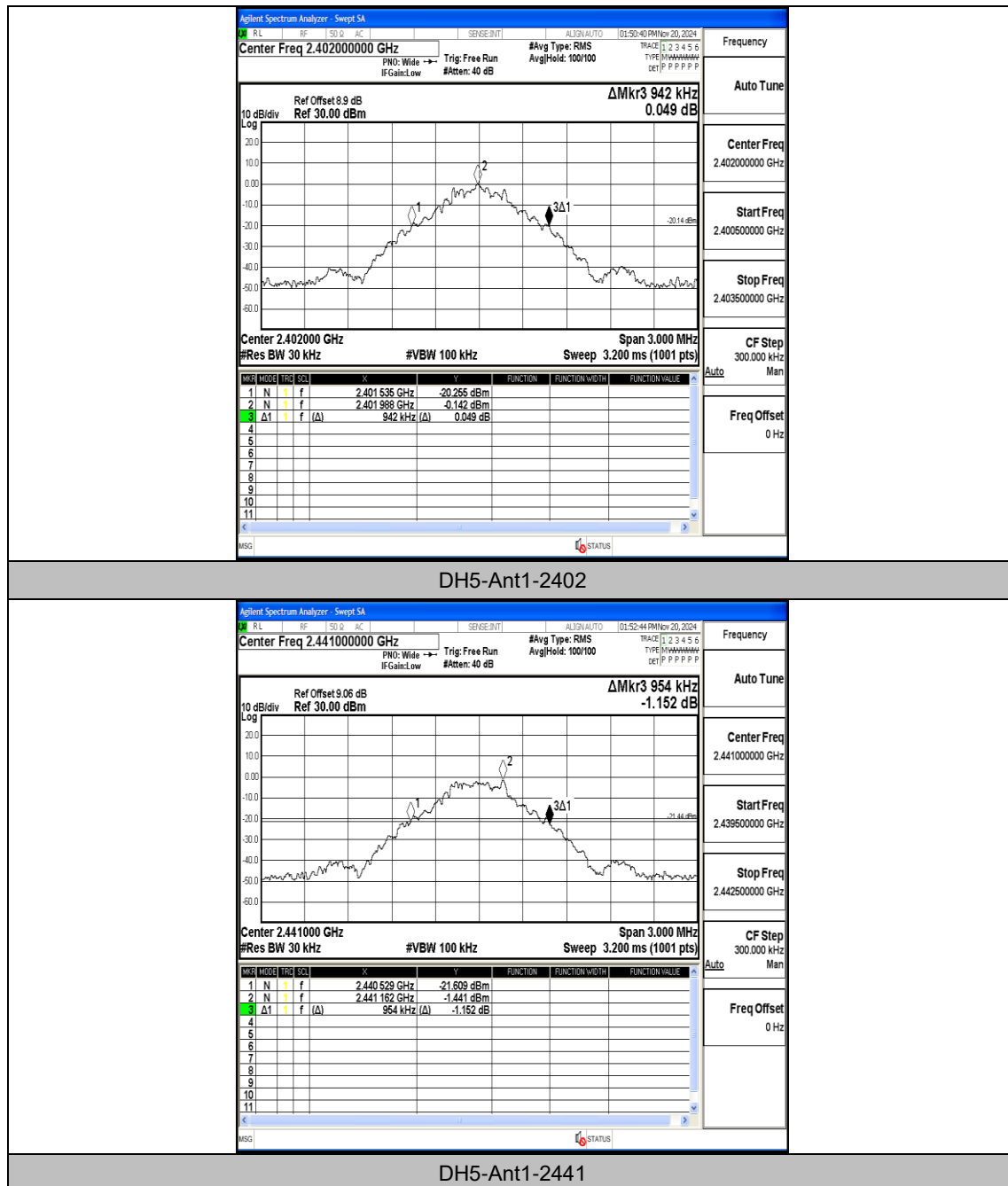
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

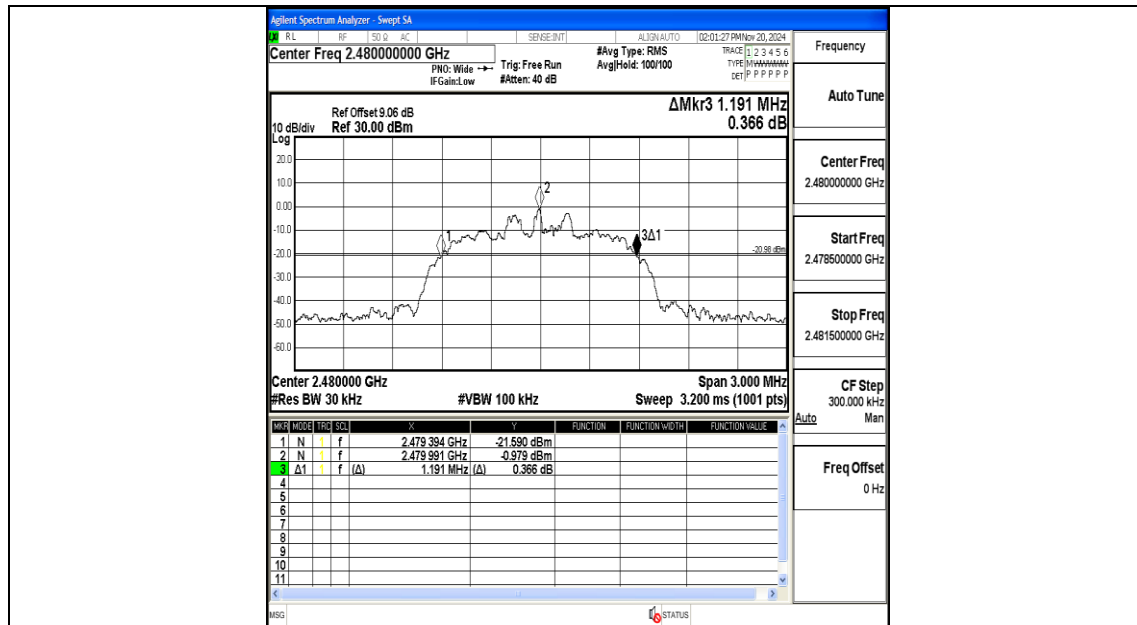
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.942	2401.535	2402.477	---	---
DH5	Ant1	2441	0.954	2440.529	2441.483	---	---
DH5	Ant1	2480	0.951	2479.520	2480.471	---	---
2DH5	Ant1	2402	1.200	2401.394	2402.594	---	---
2DH5	Ant1	2441	1.275	2440.364	2441.639	---	---
2DH5	Ant1	2480	1.191	2479.394	2480.585	---	---
3DH5	Ant1	2402	1.194	2401.412	2402.606	---	---
3DH5	Ant1	2441	1.254	2440.361	2441.615	---	---
3DH5	Ant1	2480	1.233	2479.382	2480.615	---	---

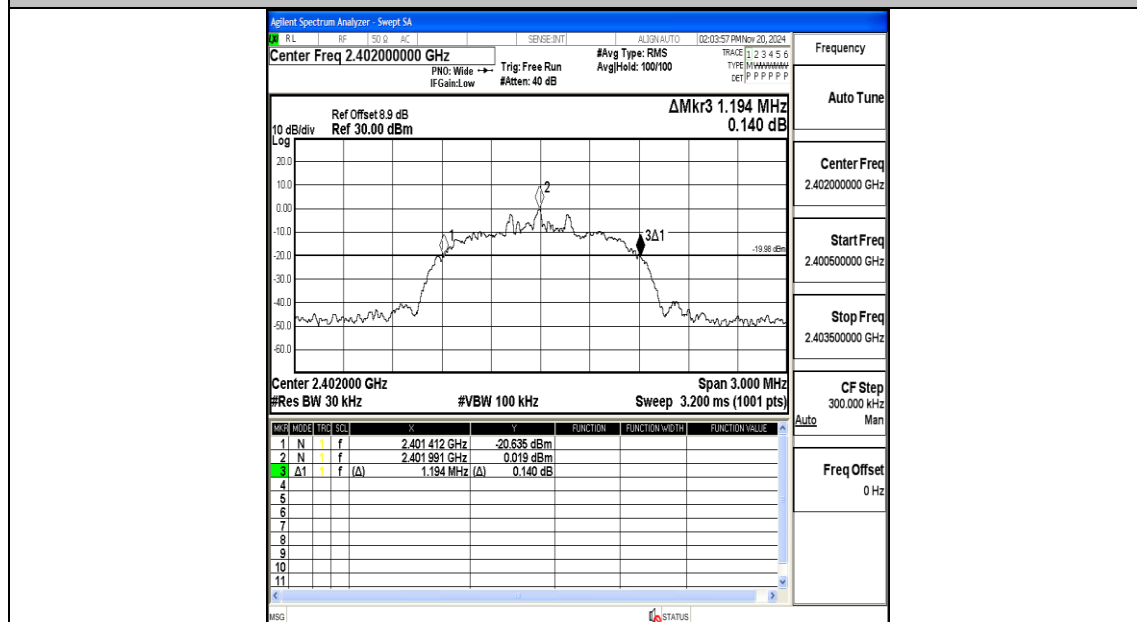
Test Graphs



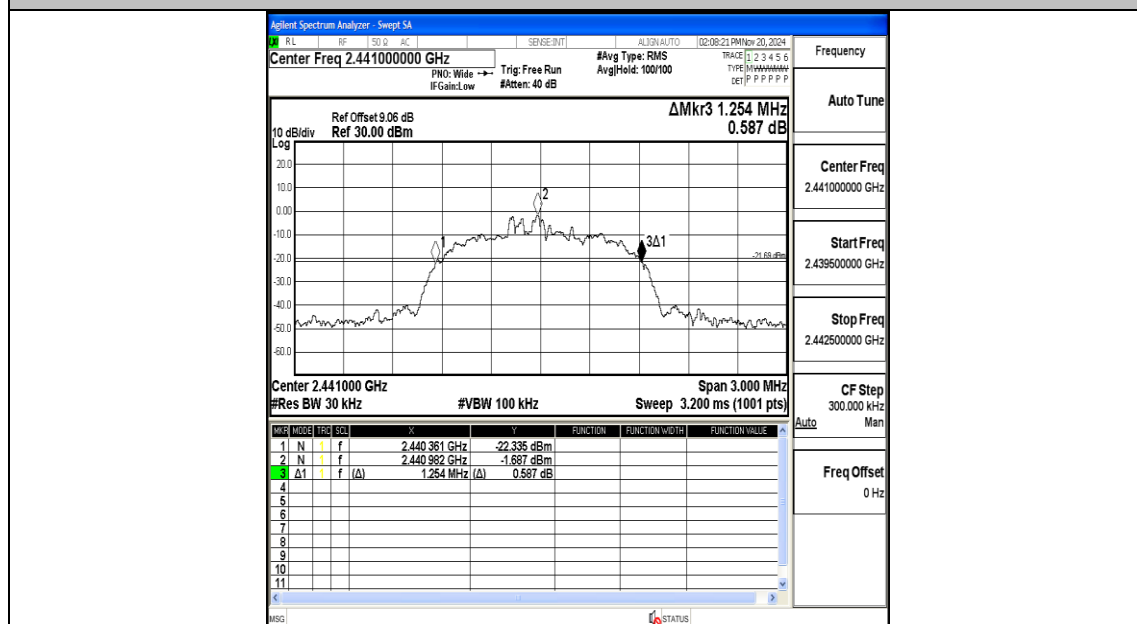




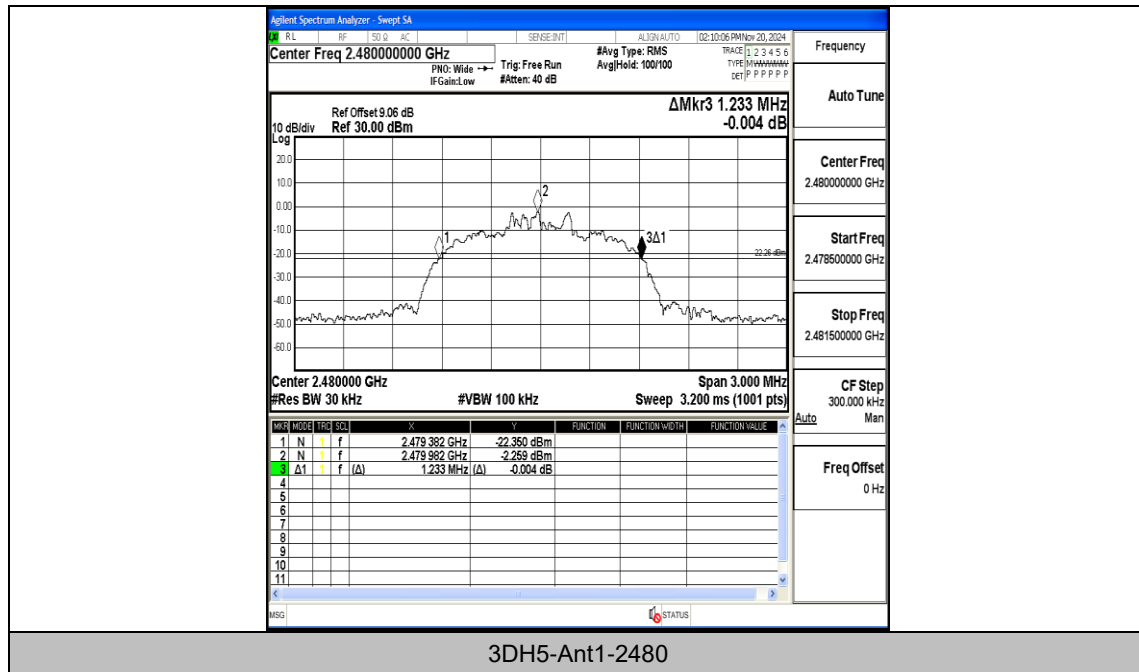
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441

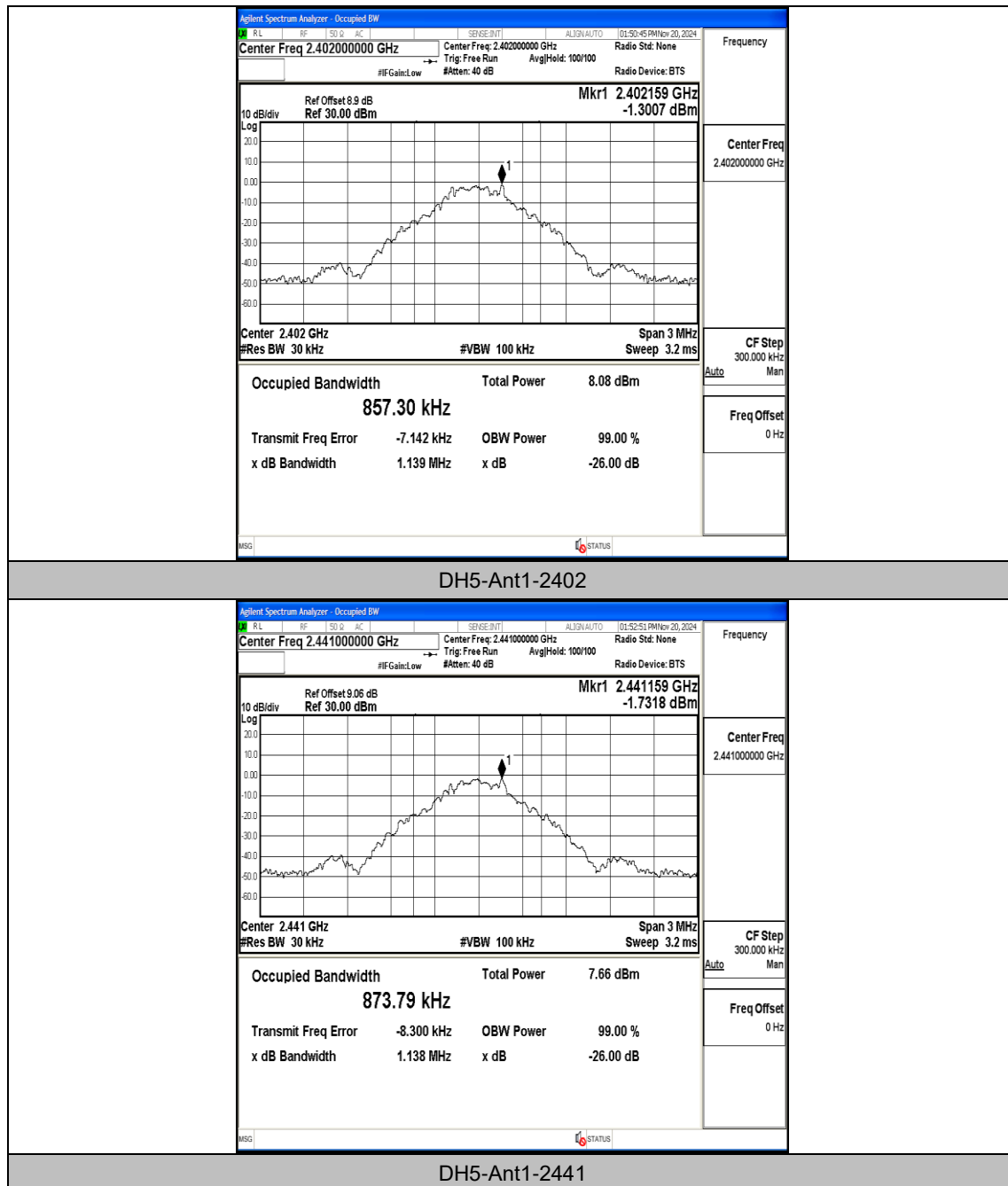


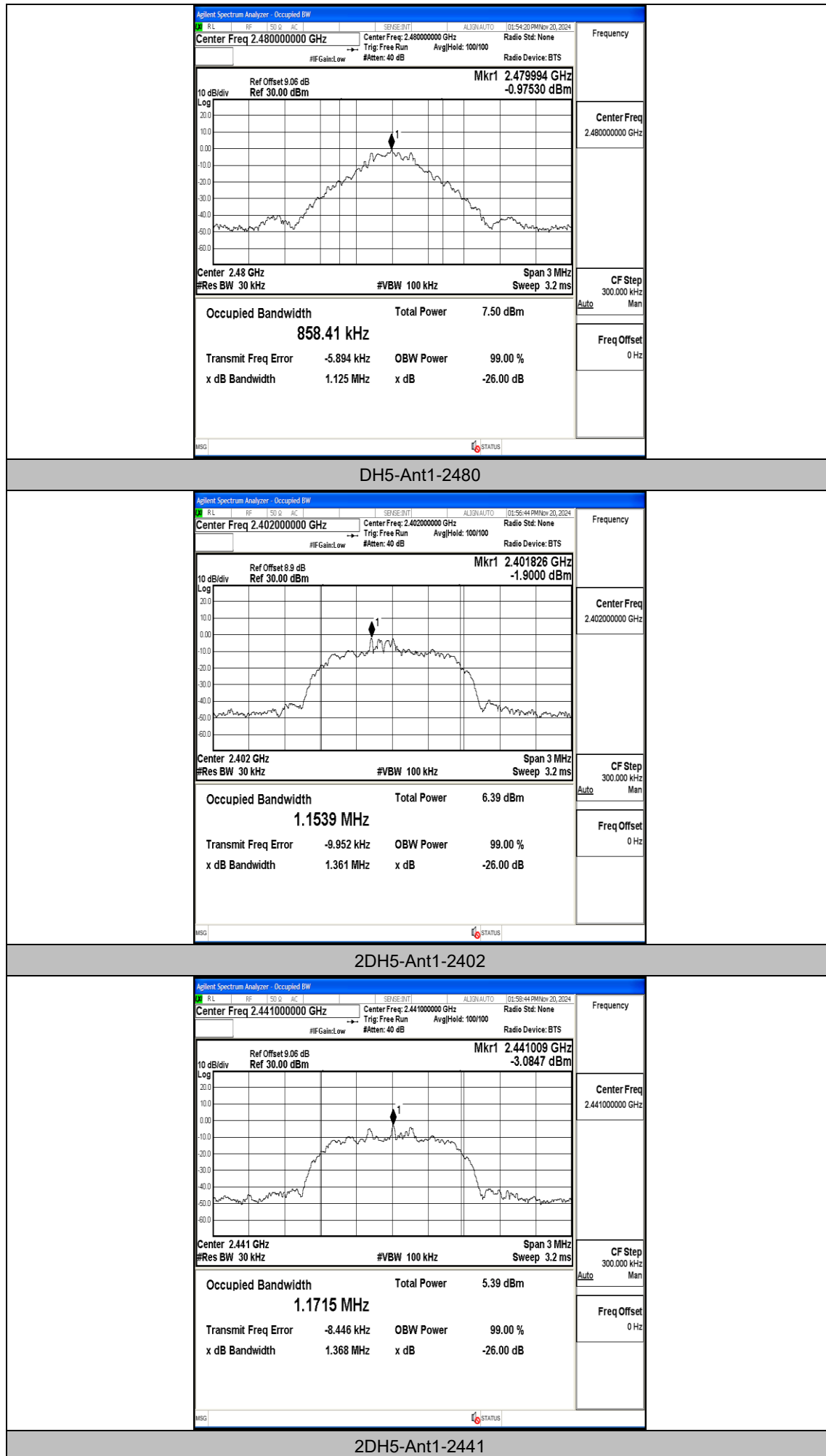
Appendix B: Occupied Channel Bandwidth

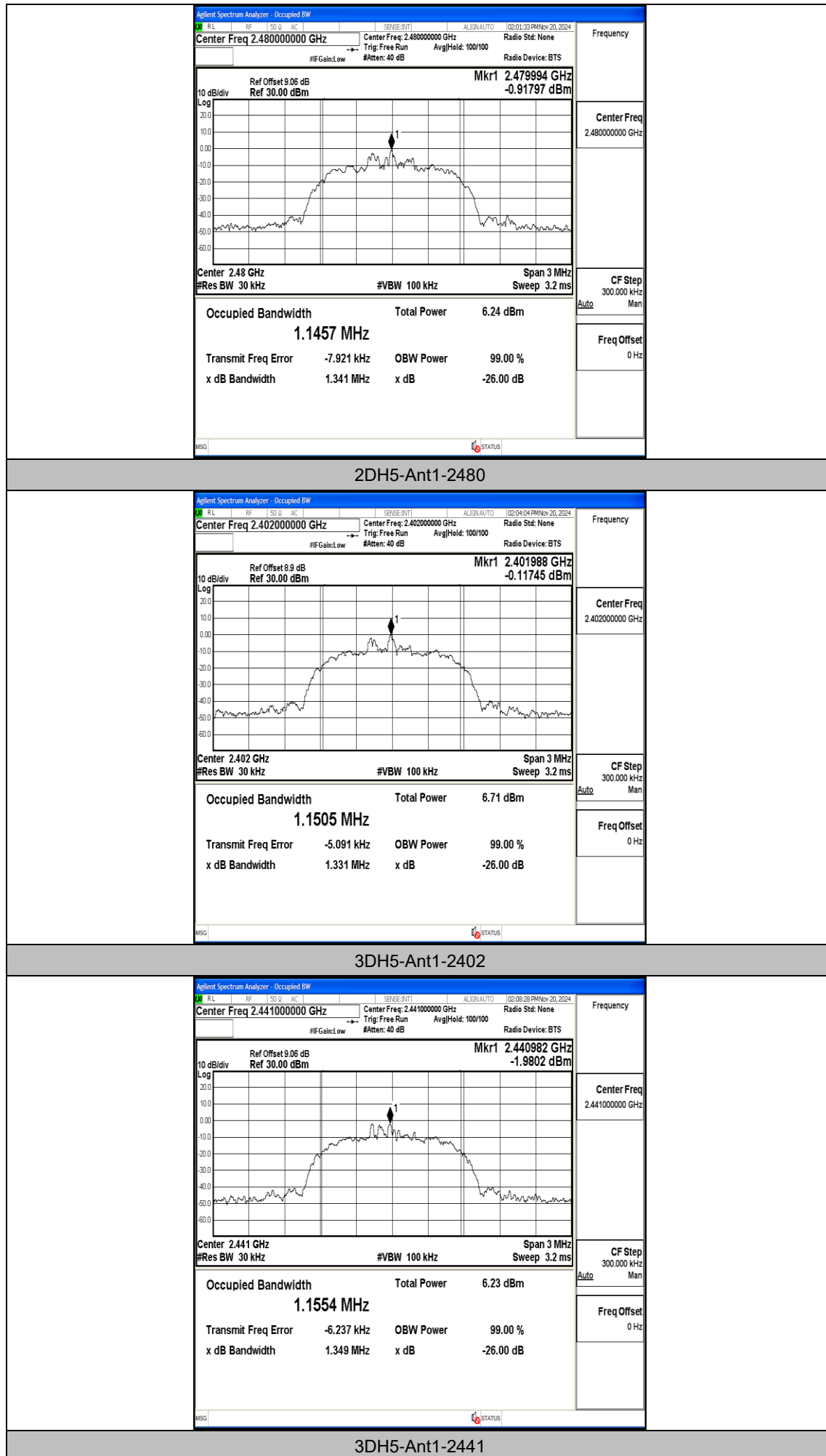
Test Result

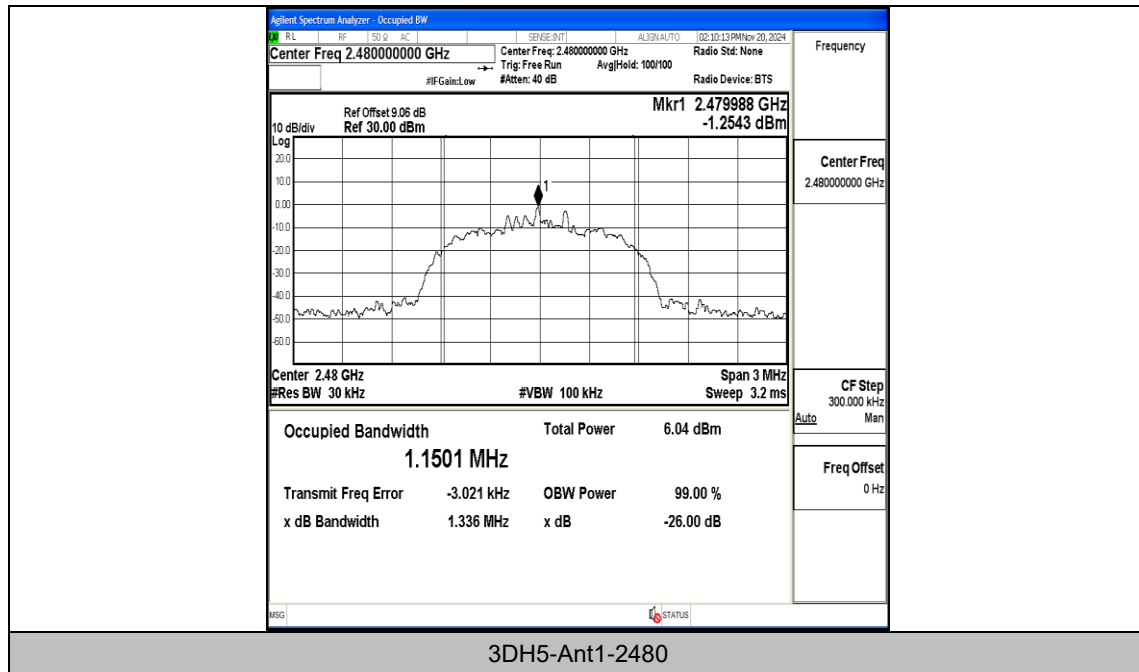
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.85730	2401.5642	2402.4215	---	---
DH5	Ant1	2441	0.87379	2440.5548	2441.4286	---	---
DH5	Ant1	2480	0.85841	2479.5649	2480.4233	---	---
2DH5	Ant1	2402	1.1539	2401.4131	2402.5670	---	---
2DH5	Ant1	2441	1.1715	2440.4058	2441.5773	---	---
2DH5	Ant1	2480	1.1457	2479.4192	2480.5649	---	---
3DH5	Ant1	2402	1.1505	2401.4197	2402.5702	---	---
3DH5	Ant1	2441	1.1554	2440.4161	2441.5715	---	---
3DH5	Ant1	2480	1.1501	2479.4219	2480.5720	---	---

Test Graphs







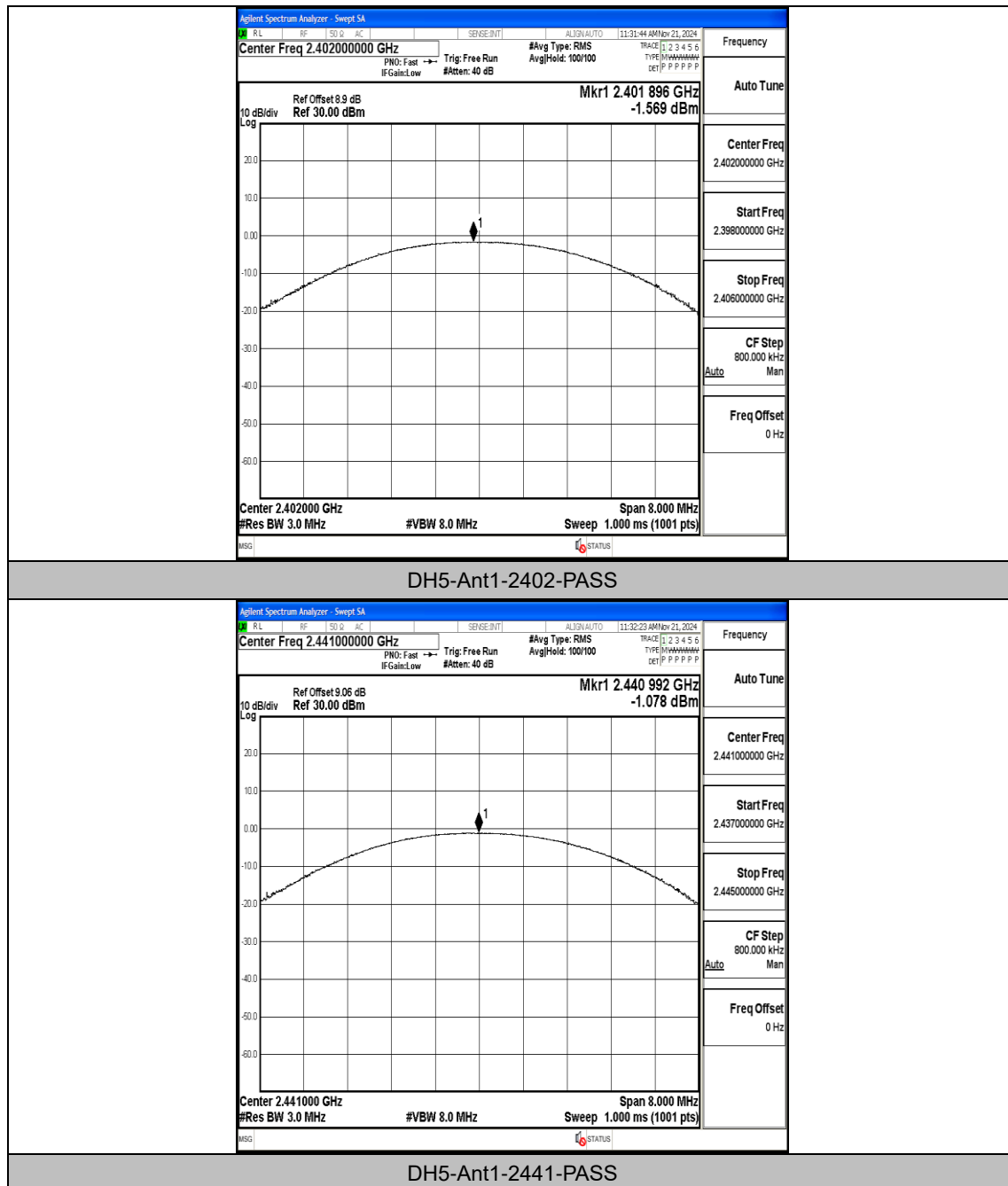


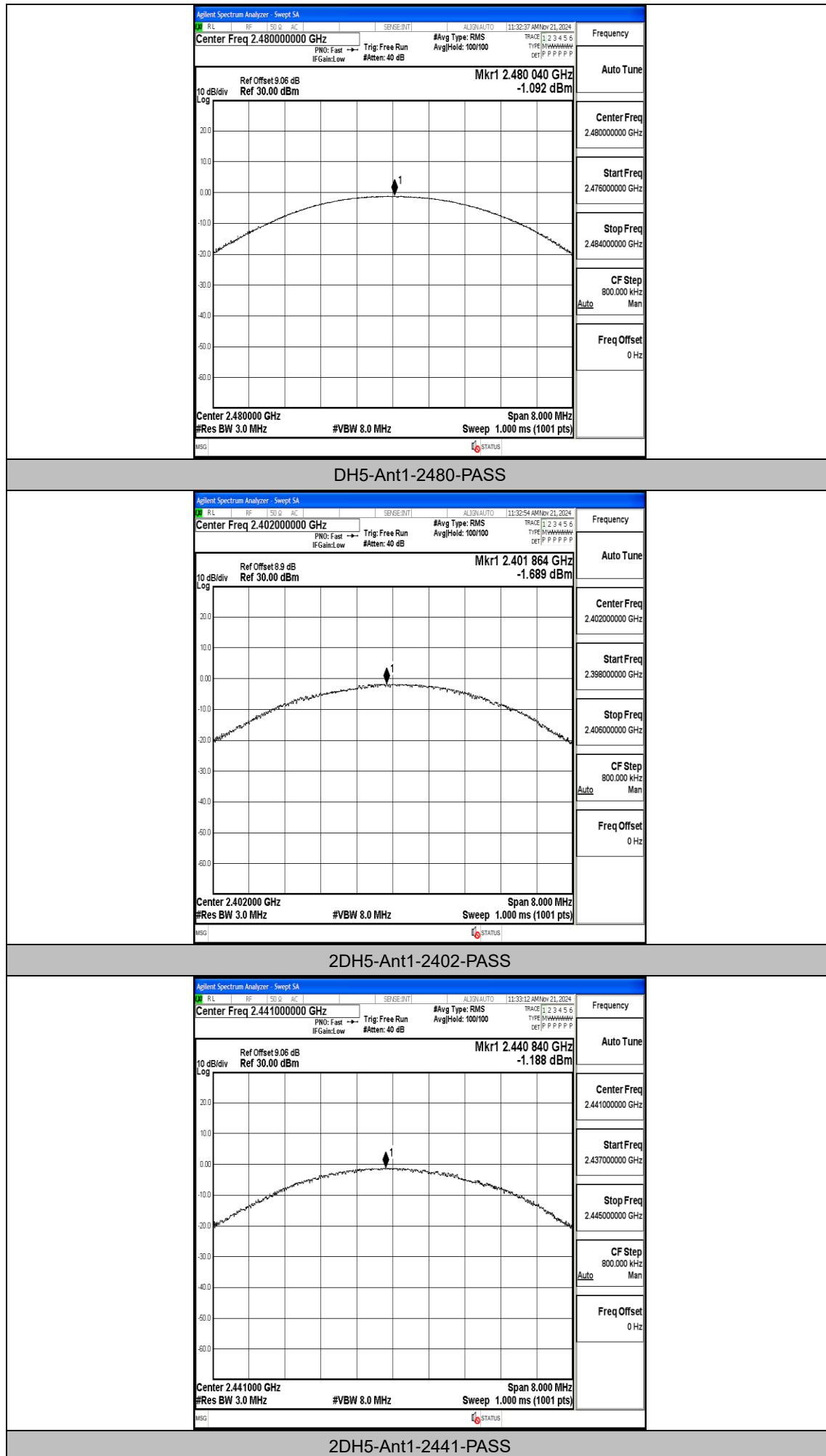
Appendix C: Maximum peak conducted output power

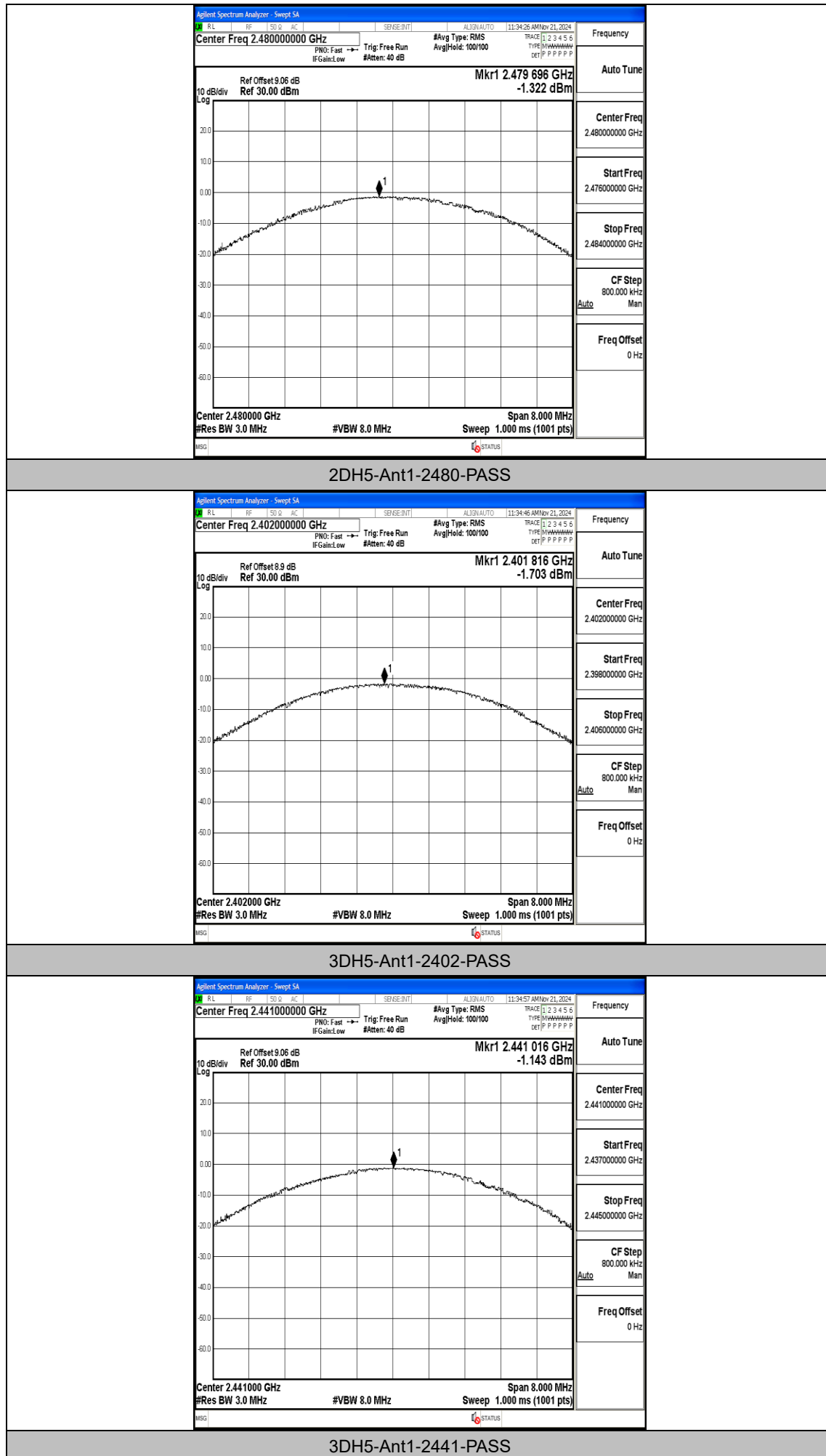
Test Result

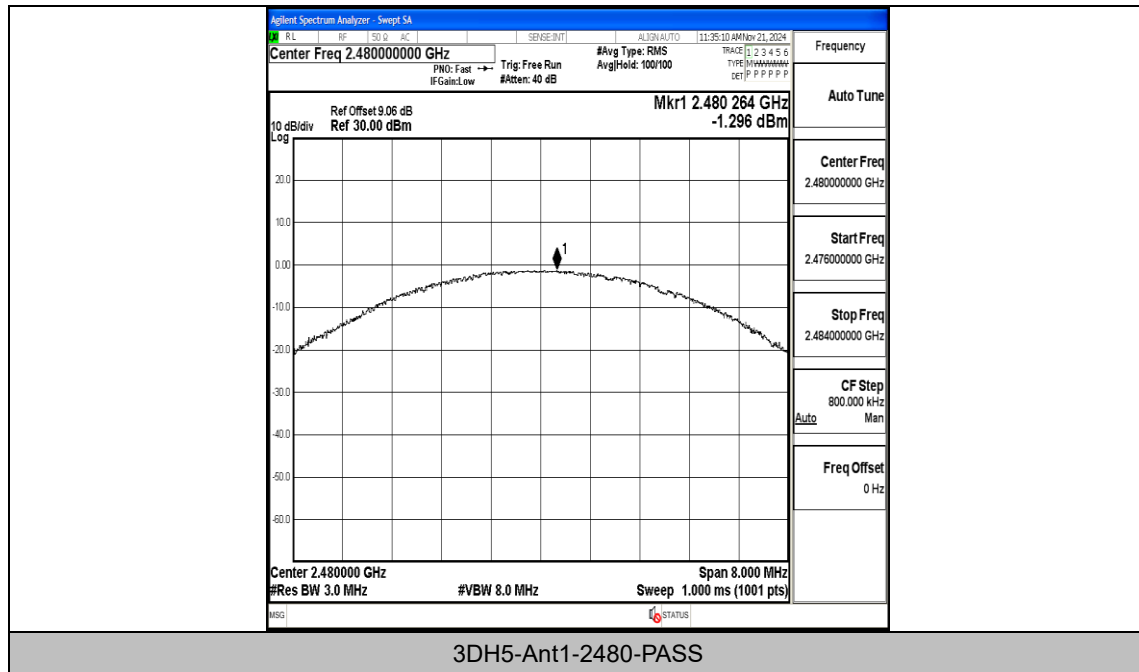
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-1.57	≤30	PASS
DH5	Ant1	2441	-1.08	≤30	PASS
DH5	Ant1	2480	-1.09	≤30	PASS
2DH5	Ant1	2402	-1.69	≤20.97	PASS
2DH5	Ant1	2441	-1.19	≤20.97	PASS
2DH5	Ant1	2480	-1.32	≤20.97	PASS
3DH5	Ant1	2402	-1.70	≤20.97	PASS
3DH5	Ant1	2441	-1.14	≤20.97	PASS
3DH5	Ant1	2480	-1.30	≤20.97	PASS

Test Graphs







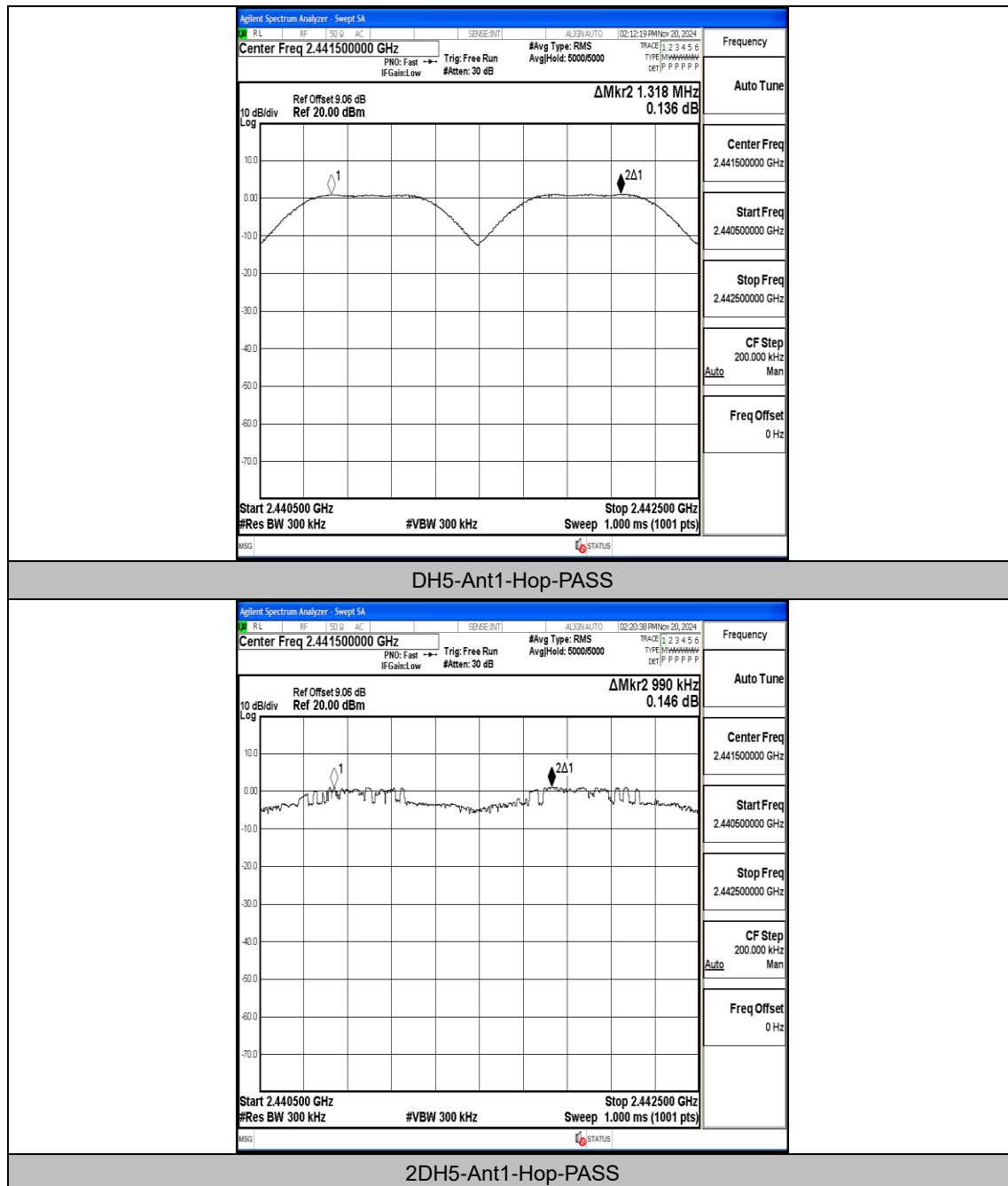


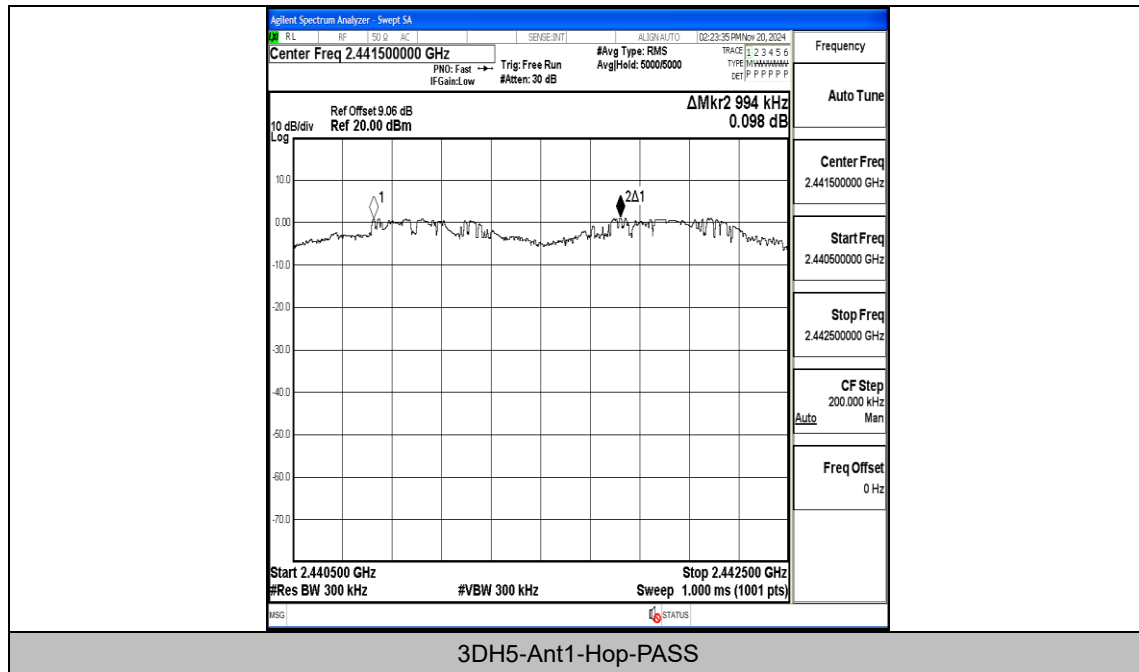
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.318	≥ 0.954	PASS
2DH5	Ant1	Hop	0.99	≥ 0.850	PASS
3DH5	Ant1	Hop	0.994	≥ 0.836	PASS

Test Graphs



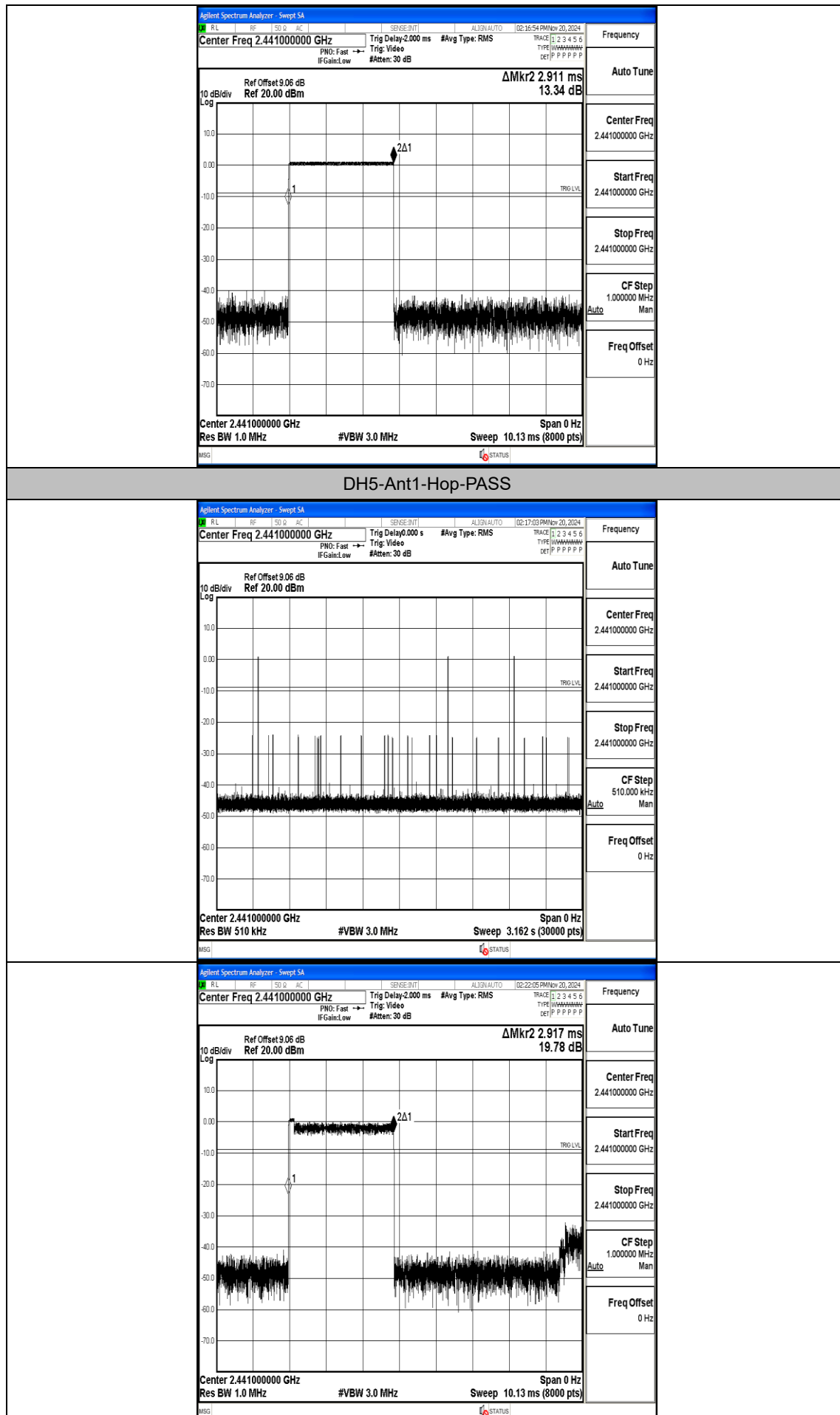


Appendix E: Time of occupancy

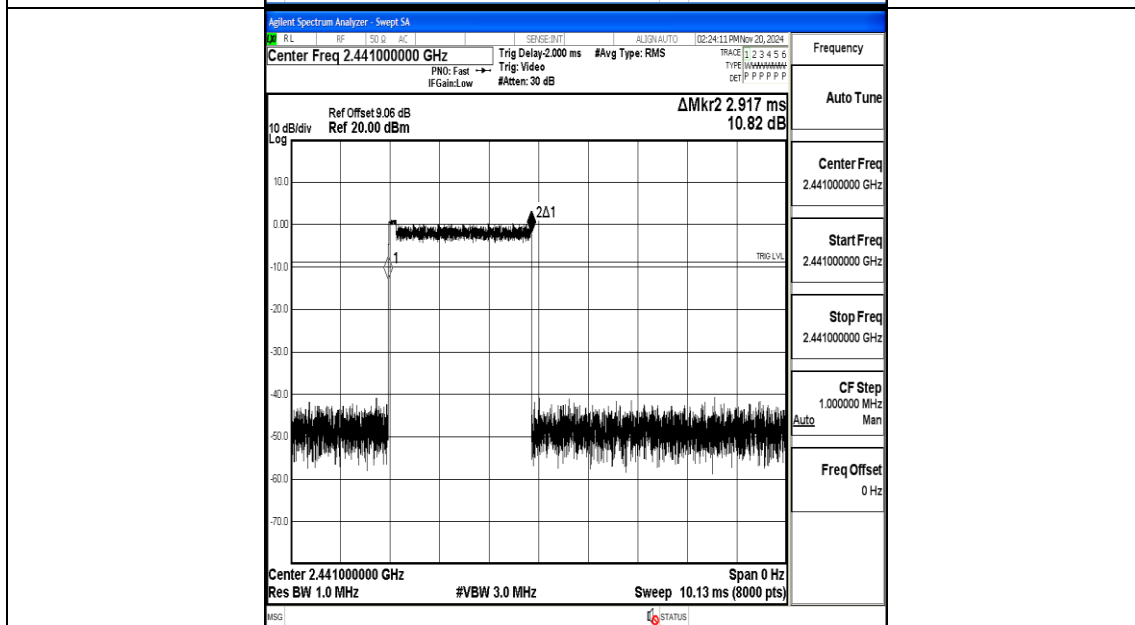
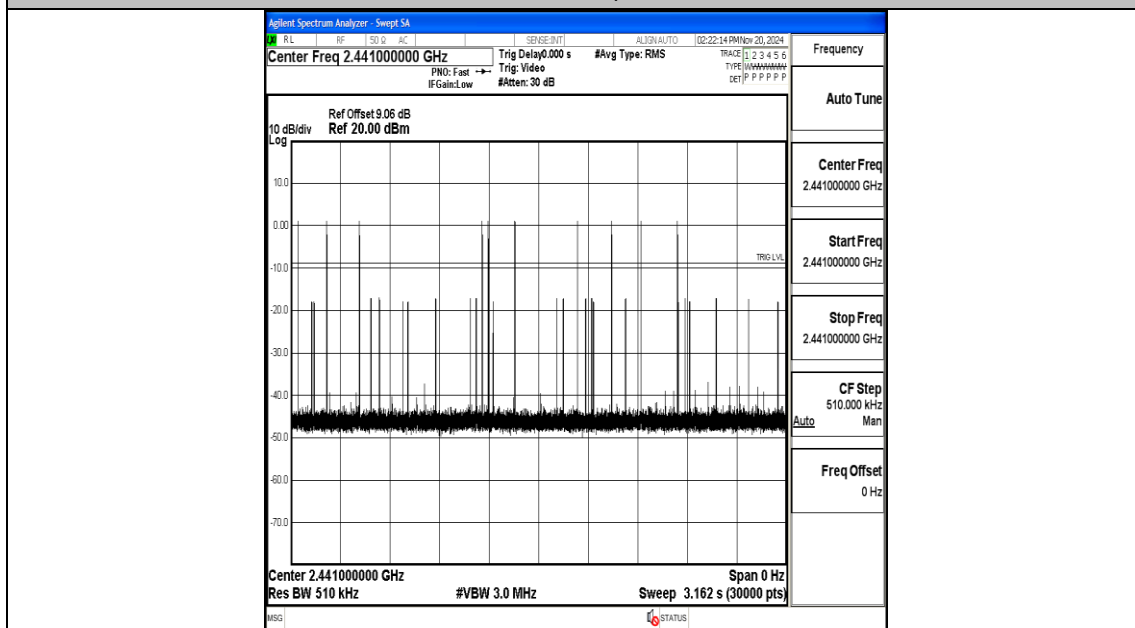
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.911	40	0.116	≤0.4	PASS
2DH5	Ant1	Hop	2.917	110	0.321	≤0.4	PASS
3DH5	Ant1	Hop	2.917	110	0.321	≤0.4	PASS

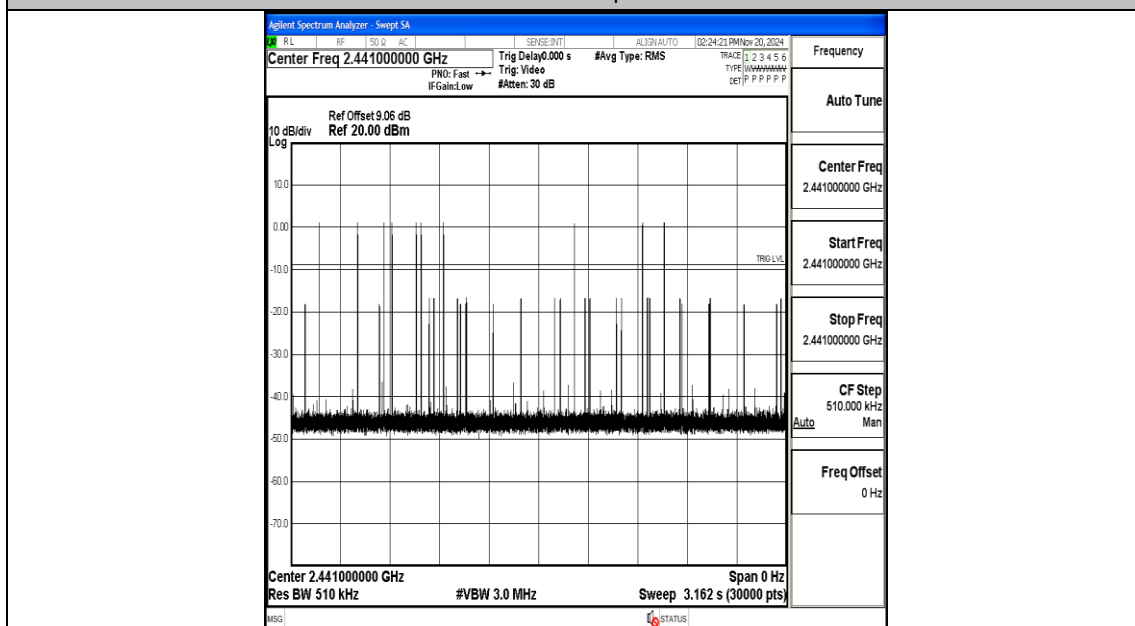
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

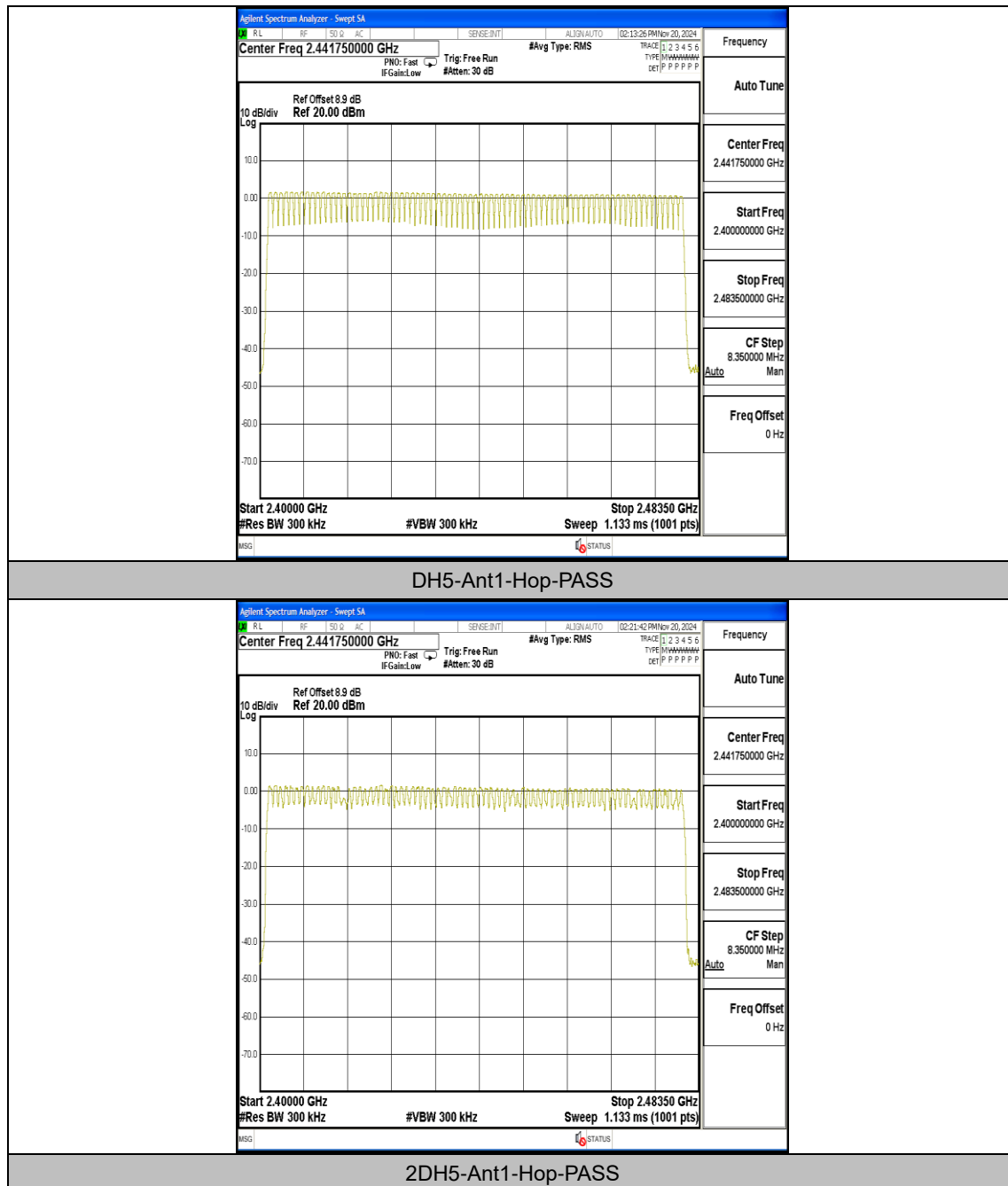


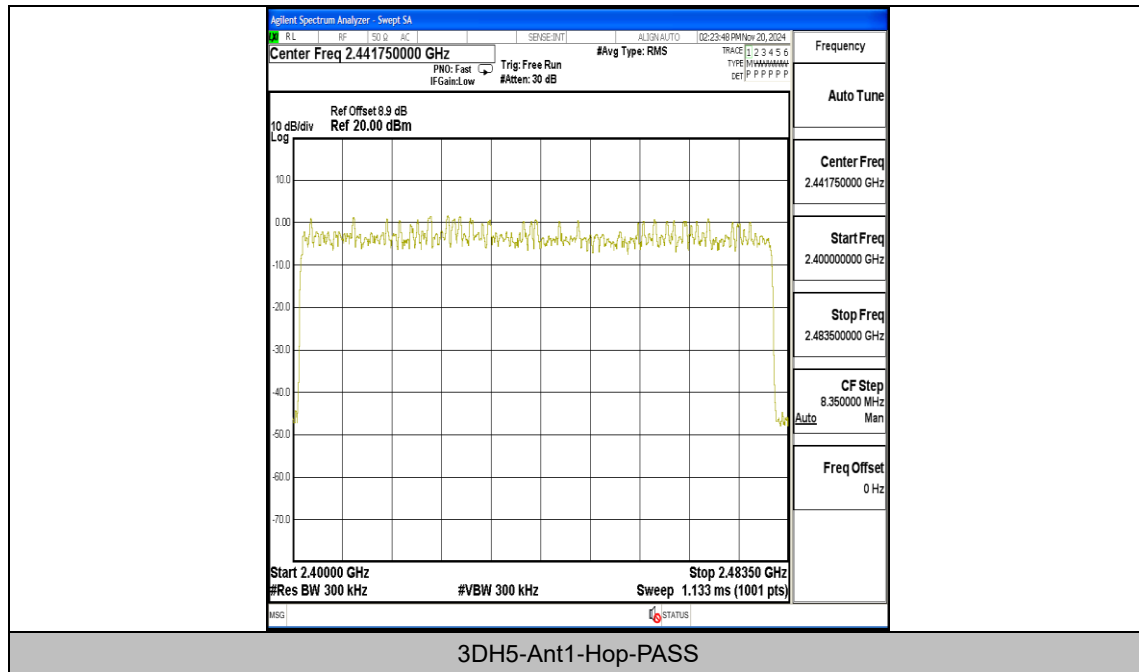
Appendix F: Number of hopping channels

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



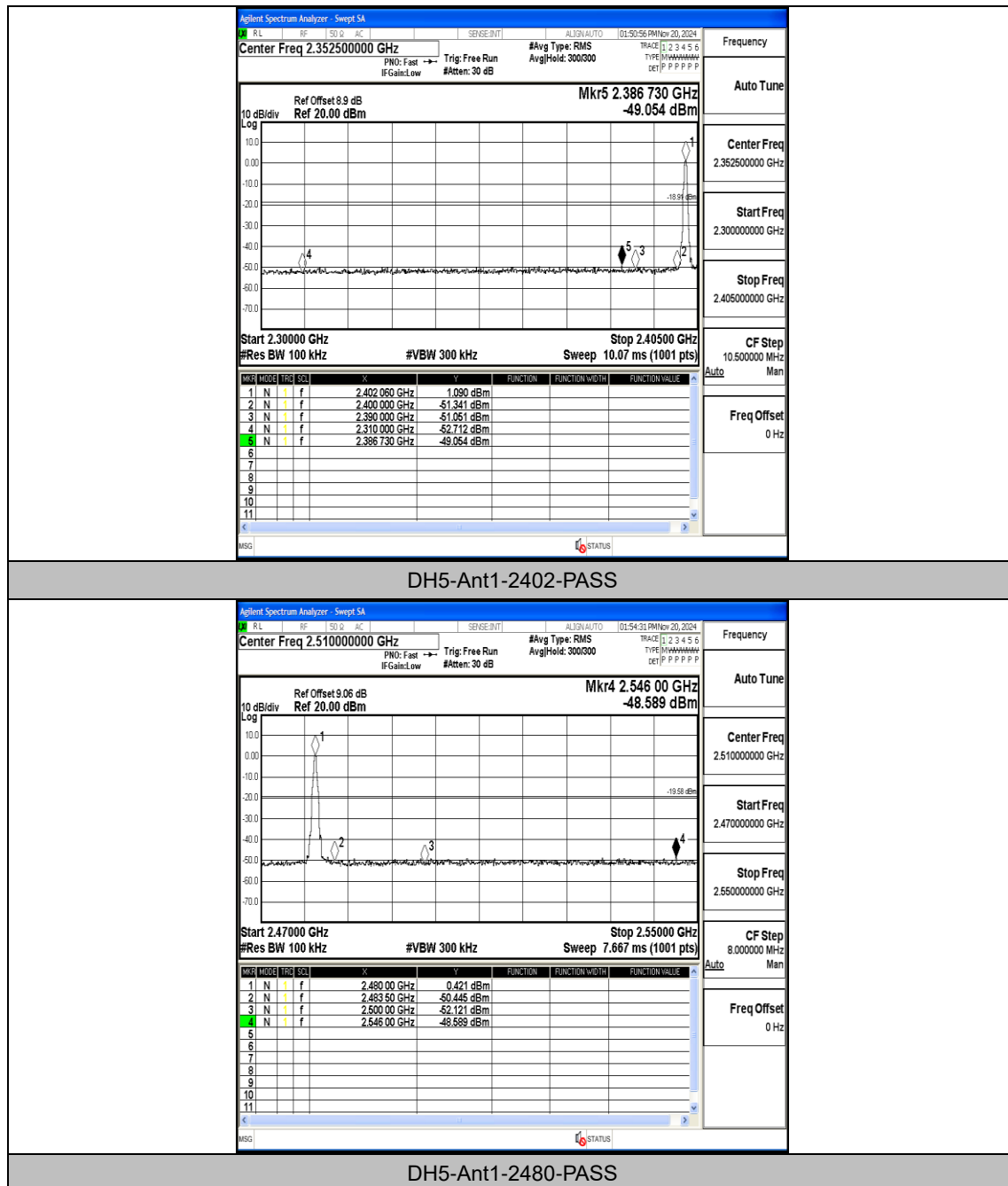


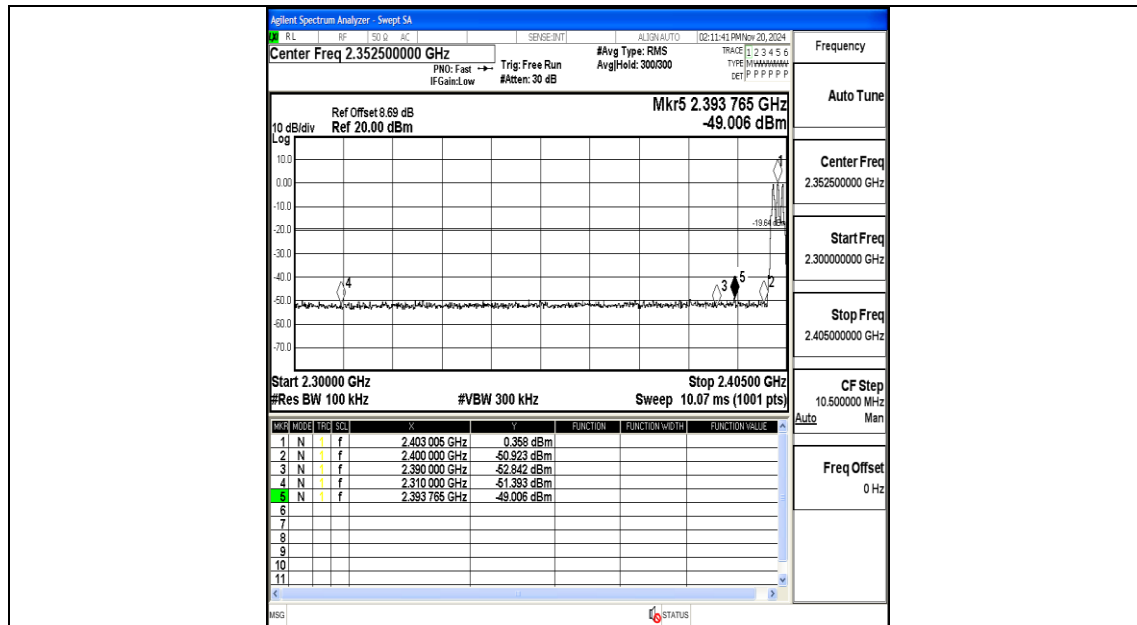
Appendix G: Band edge measurements

Test Result

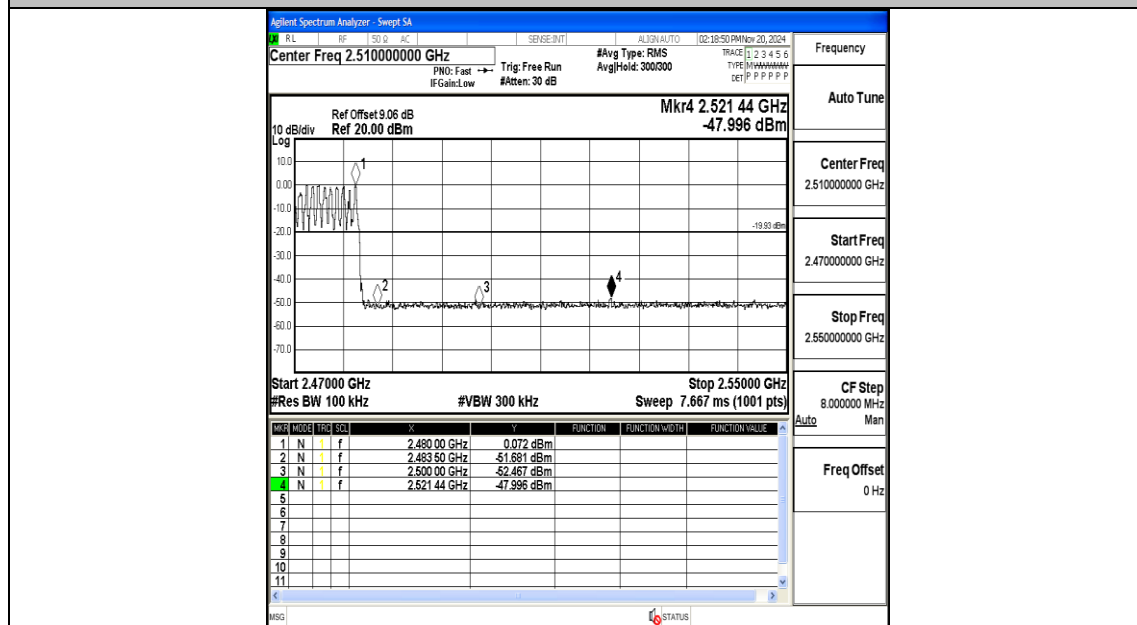
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.09	-49.05	≤-18.91	PASS
DH5	Ant1	High	2480	0.42	-48.59	≤-19.58	PASS
DH5	Ant1	Low	Hop_2402	0.36	-49.01	≤-19.64	PASS
DH5	Ant1	High	Hop_2480	0.07	-48	≤-19.93	PASS
2DH5	Ant1	Low	2402	0.95	-48.45	≤-19.05	PASS
2DH5	Ant1	High	2480	-0.12	-48.7	≤-20.12	PASS
2DH5	Ant1	Low	Hop_2402	0.80	-49.58	≤-19.2	PASS
2DH5	Ant1	High	Hop_2480	0.22	-48.2	≤-19.79	PASS
3DH5	Ant1	Low	2402	1.01	-49.21	≤-18.99	PASS
3DH5	Ant1	High	2480	0.32	-48.32	≤-19.68	PASS
3DH5	Ant1	Low	Hop_2402	0.20	-49.37	≤-19.81	PASS
3DH5	Ant1	High	Hop_2480	-5.00	-49.02	≤-25	PASS

Test Graphs

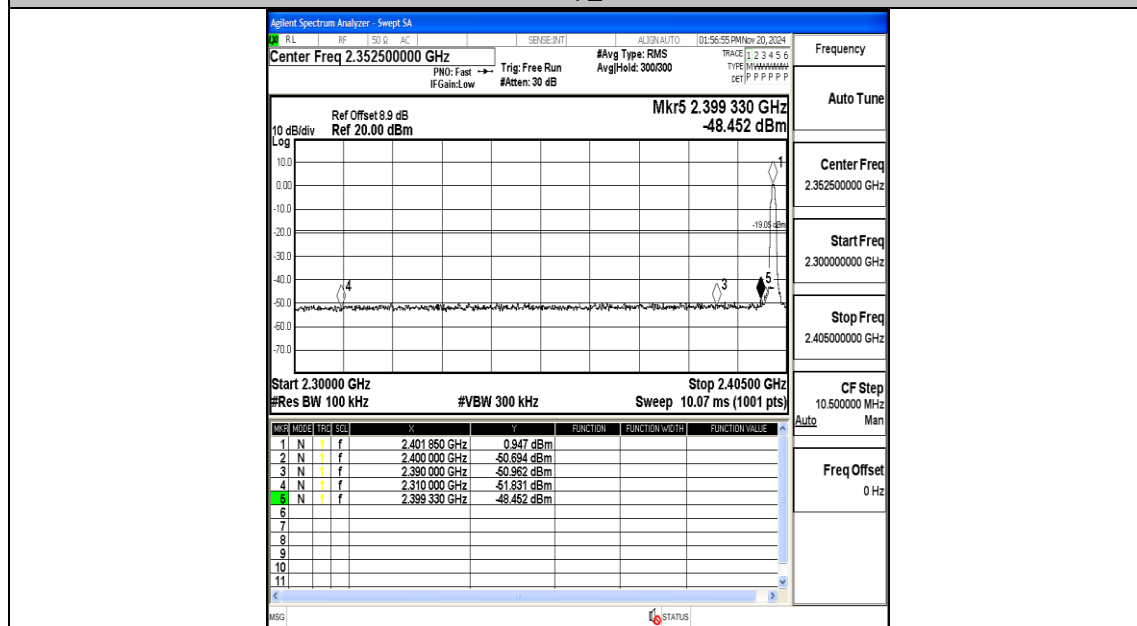




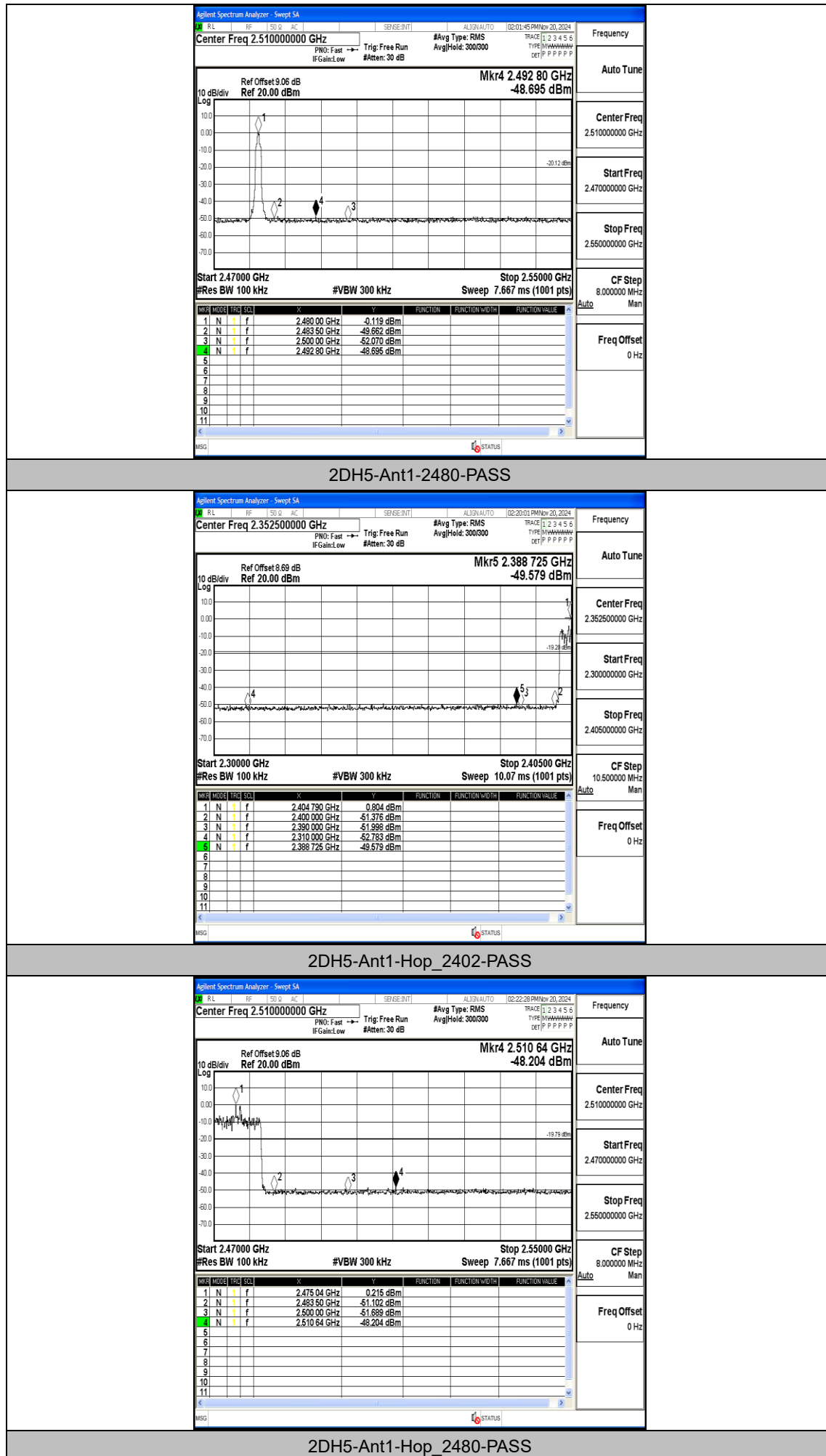
DH5-Ant1-Hop_2402-PASS

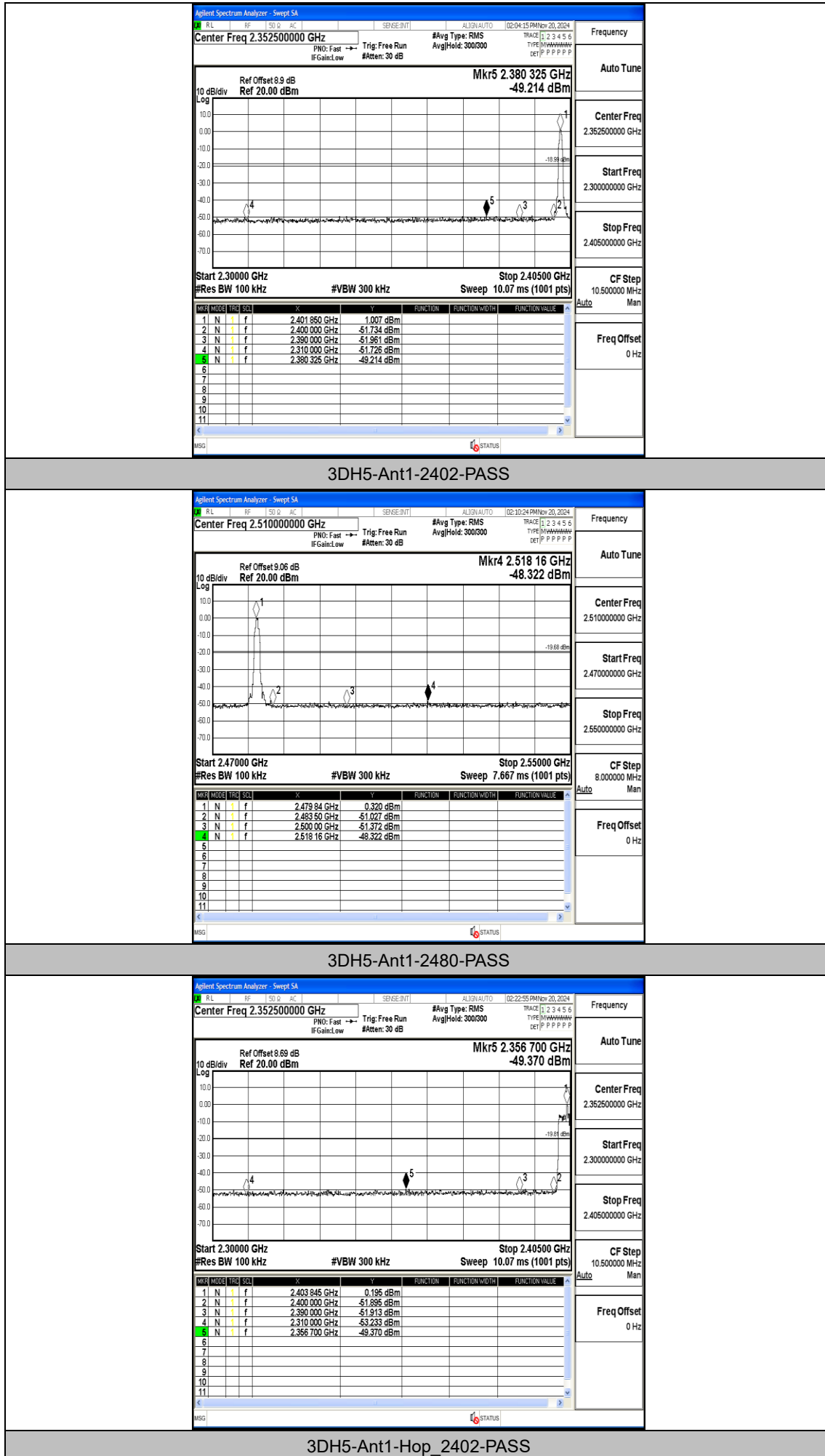


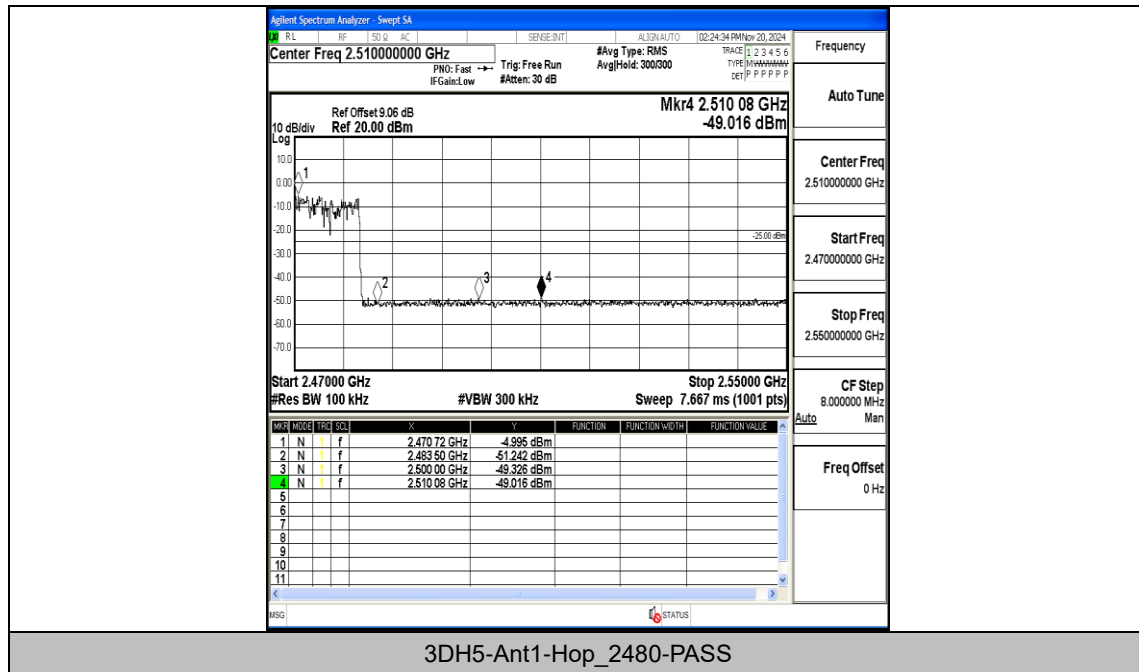
DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS





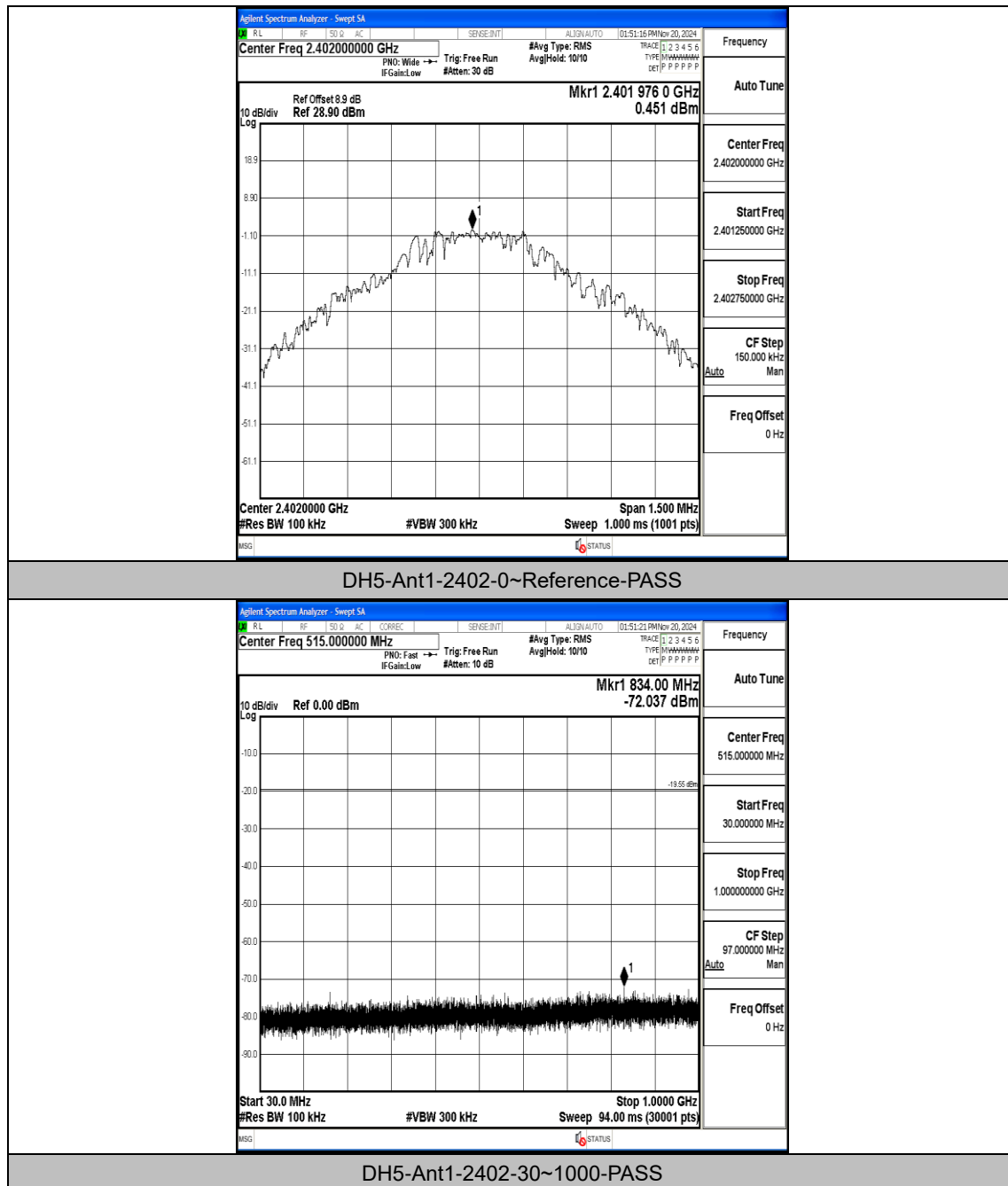


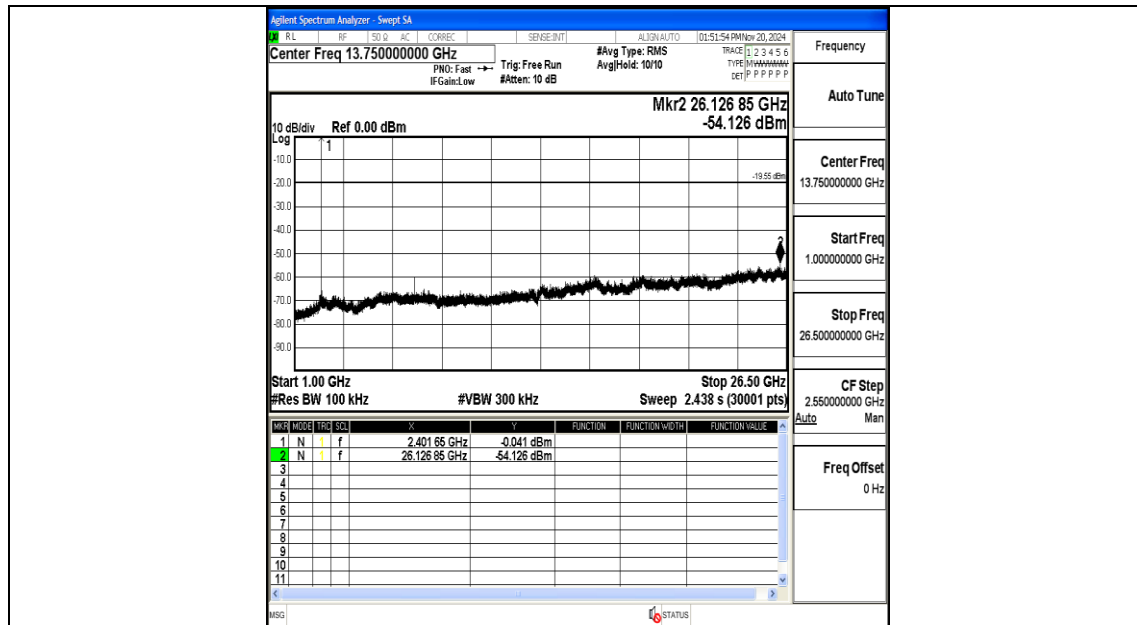
Appendix H: Conducted Spurious Emission

Test Result

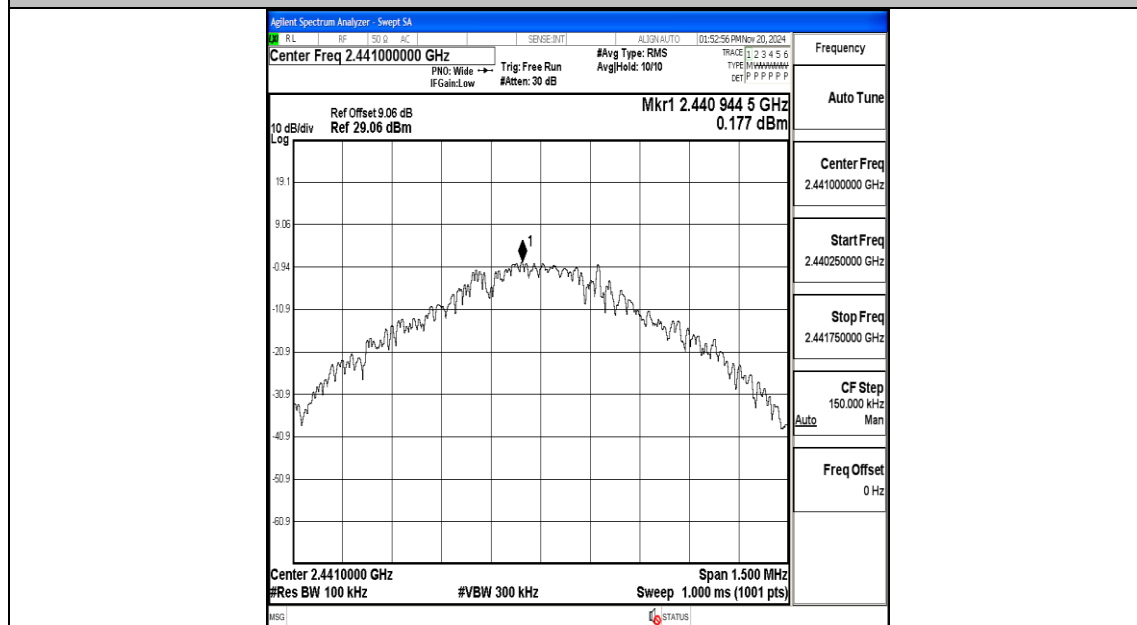
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.45	0.45	---	PASS
DH5	Ant1	2402	30~1000	0.45	-72.04	≤-19.55	PASS
DH5	Ant1	2402	1000~26500	0.45	-54.13	≤-19.55	PASS
DH5	Ant1	2441	0~Reference	0.18	0.18	---	PASS
DH5	Ant1	2441	30~1000	0.18	-73.23	≤-19.82	PASS
DH5	Ant1	2441	1000~26500	0.18	-55.42	≤-19.82	PASS
DH5	Ant1	2480	0~Reference	-0.57	-0.57	---	PASS
DH5	Ant1	2480	30~1000	-0.57	-72.55	≤-20.57	PASS
DH5	Ant1	2480	1000~26500	-0.57	-55.02	≤-20.57	PASS
2DH5	Ant1	2402	0~Reference	-5.03	-5.03	---	PASS
2DH5	Ant1	2402	30~1000	-5.03	-72.73	≤-25.03	PASS
2DH5	Ant1	2402	1000~26500	-5.03	-55.52	≤-25.03	PASS
2DH5	Ant1	2441	0~Reference	-2.66	-2.66	---	PASS
2DH5	Ant1	2441	30~1000	-2.66	-72.42	≤-22.66	PASS
2DH5	Ant1	2441	1000~26500	-2.66	-55.01	≤-22.66	PASS
2DH5	Ant1	2480	0~Reference	0.05	0.05	---	PASS
2DH5	Ant1	2480	30~1000	0.05	-73.14	≤-19.95	PASS
2DH5	Ant1	2480	1000~26500	0.05	-50.12	≤-19.95	PASS
3DH5	Ant1	2402	0~Reference	-4.05	-4.05	---	PASS
3DH5	Ant1	2402	30~1000	-4.05	-72.63	≤-24.05	PASS
3DH5	Ant1	2402	1000~26500	-4.05	-54.99	≤-24.05	PASS
3DH5	Ant1	2441	0~Reference	-0.85	-0.85	---	PASS
3DH5	Ant1	2441	30~1000	-0.85	-72.93	≤-20.85	PASS
3DH5	Ant1	2441	1000~26500	-0.85	-54.9	≤-20.85	PASS
3DH5	Ant1	2480	0~Reference	-0.16	-0.16	---	PASS
3DH5	Ant1	2480	30~1000	-0.16	-72.39	≤-20.16	PASS
3DH5	Ant1	2480	1000~26500	-0.16	-55.88	≤-20.16	PASS

Test Graphs

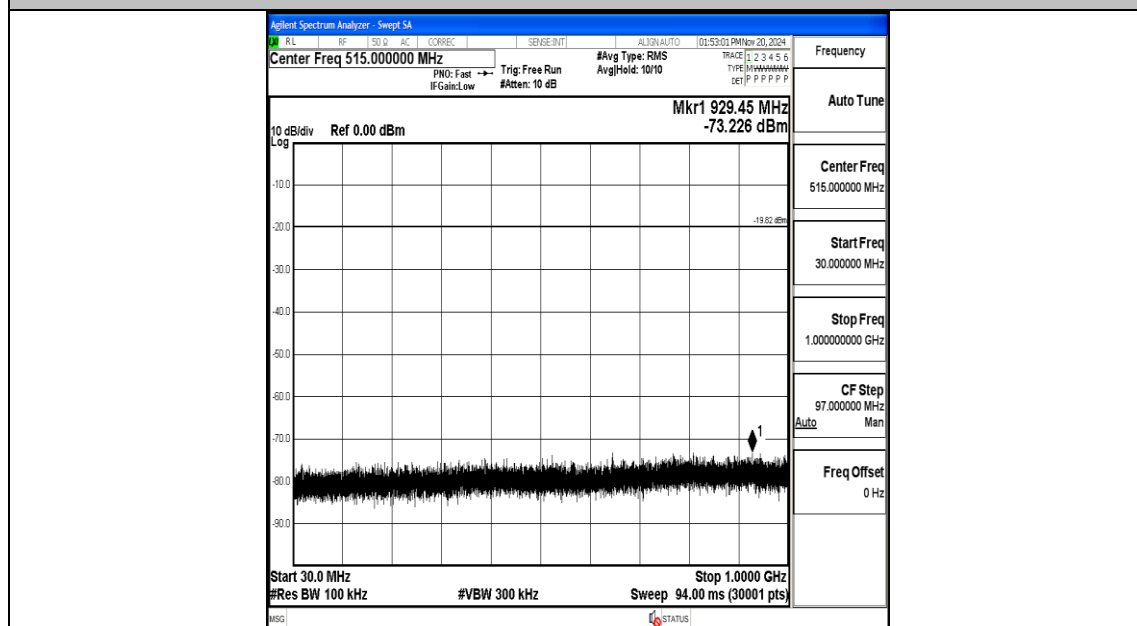




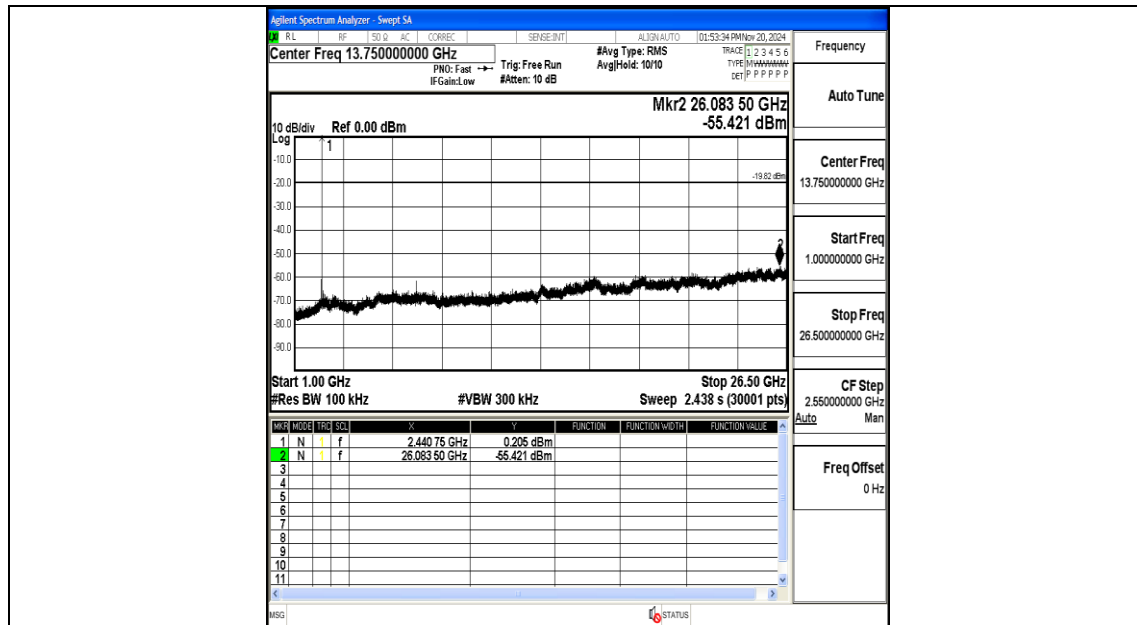
DH5-Ant1-2402-1000~26500-PASS



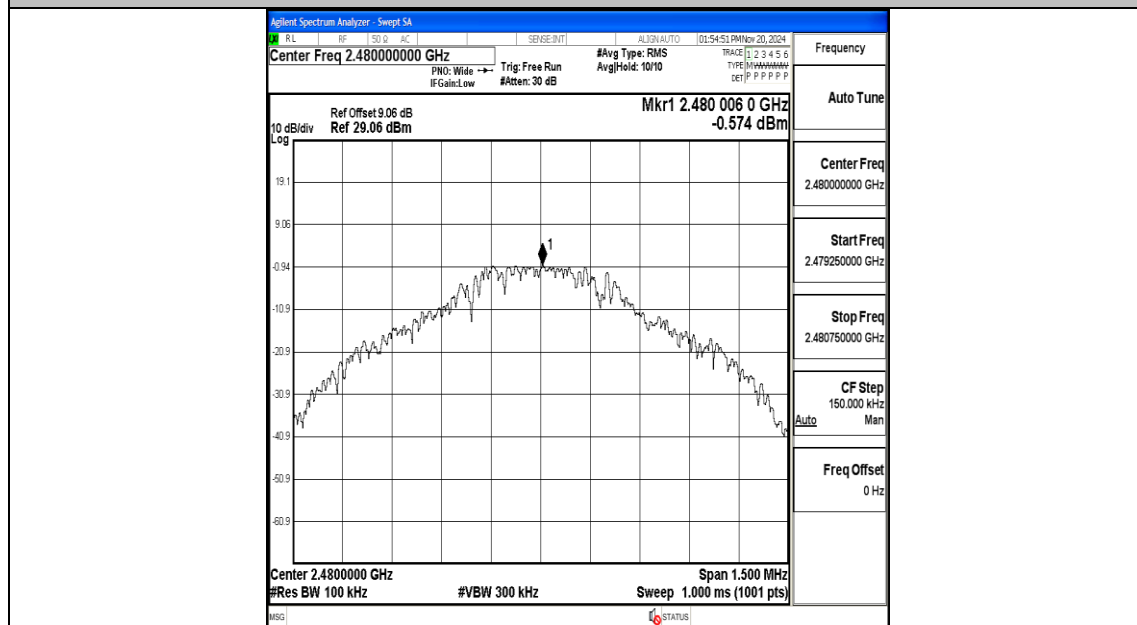
DH5-Ant1-2441-0~Reference-PASS



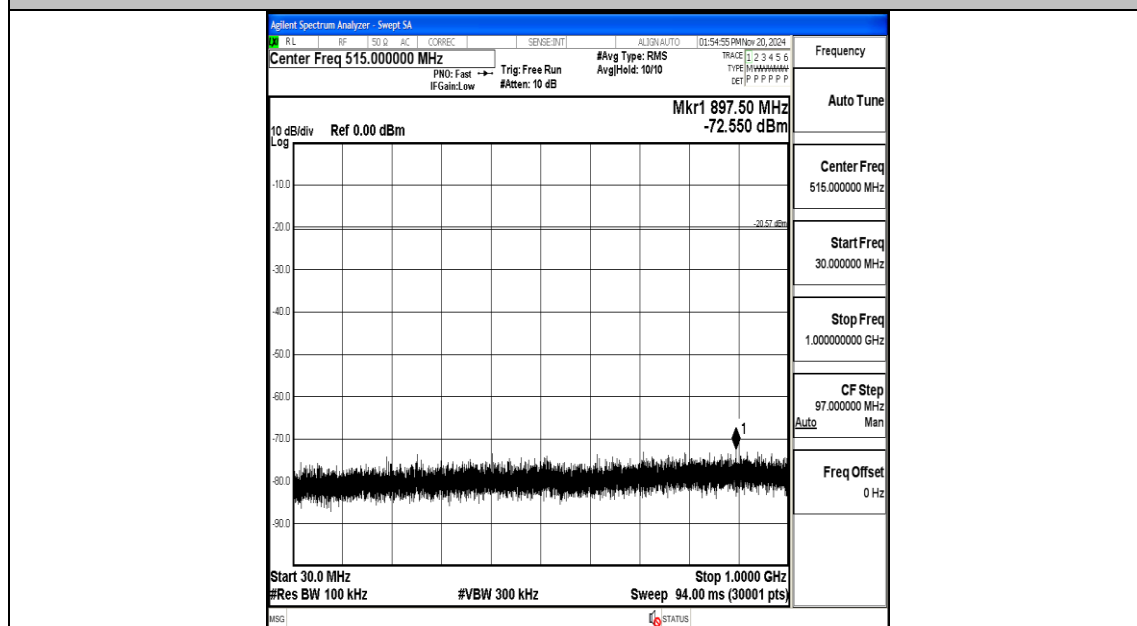
DH5-Ant1-2441-30~1000-PASS



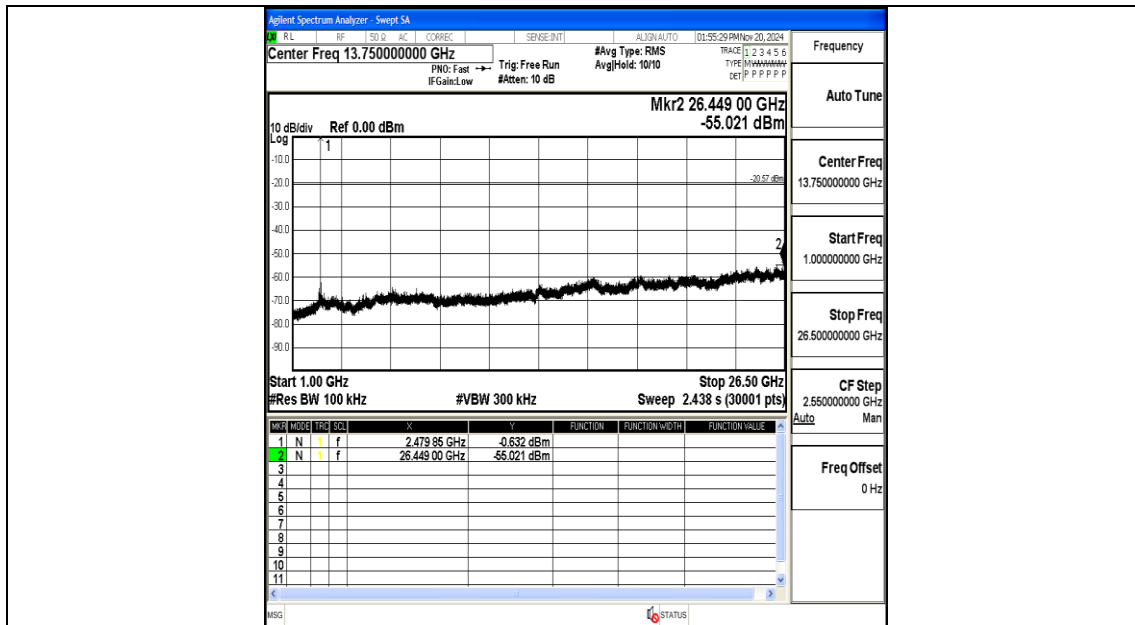
DH5-Ant1-2441-1000~26500-PASS



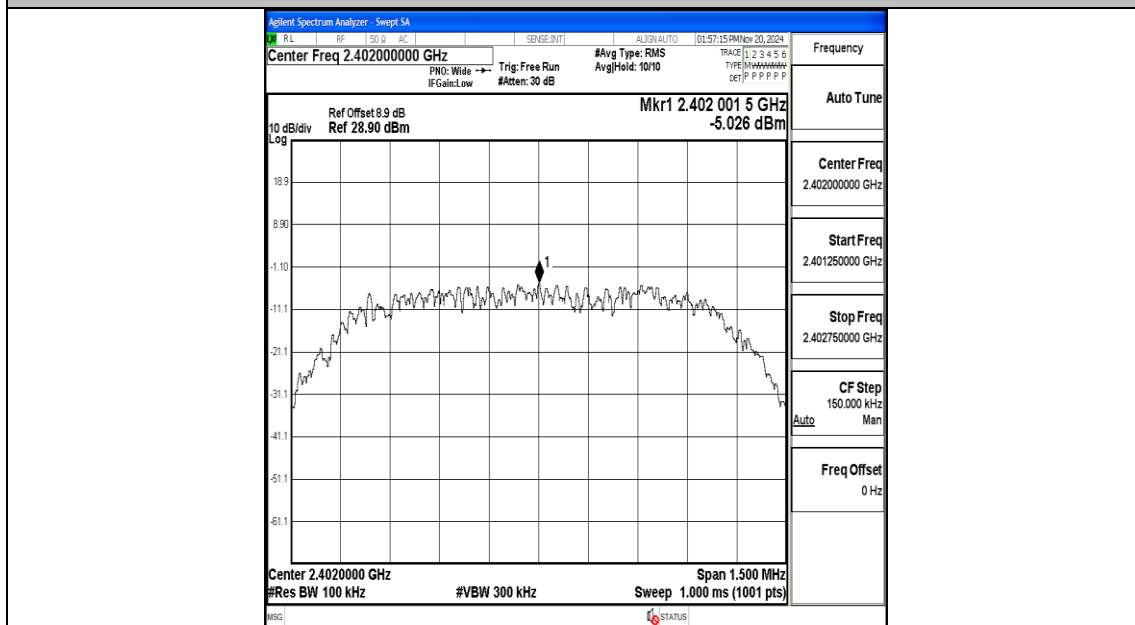
DH5-Ant1-2480-0~Reference-PASS



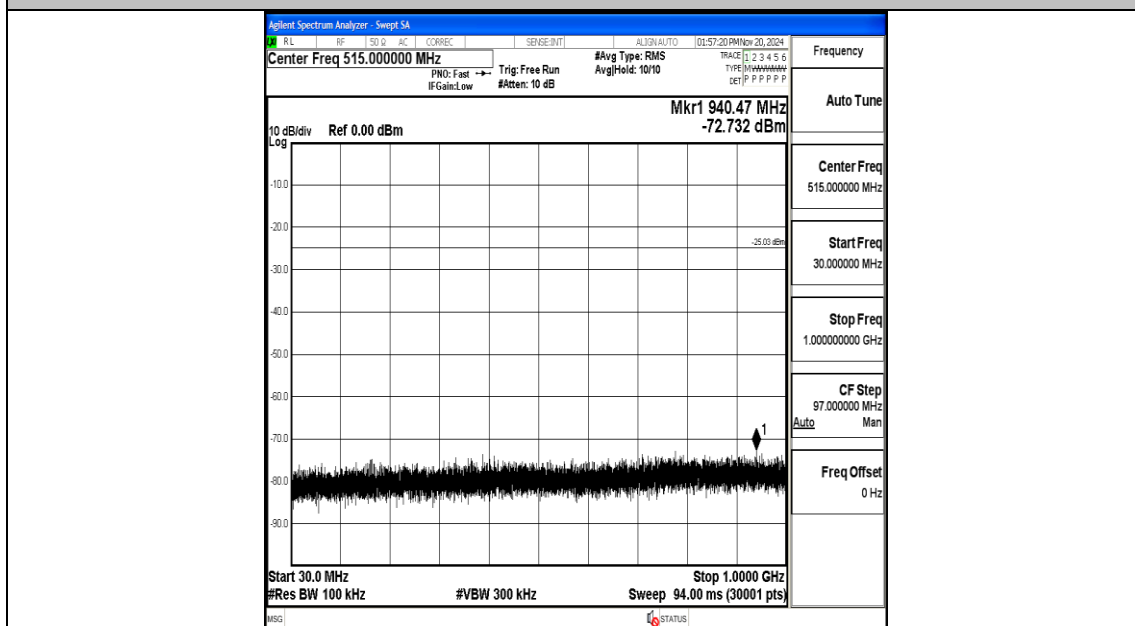
DH5-Ant1-2480-30~1000-PASS



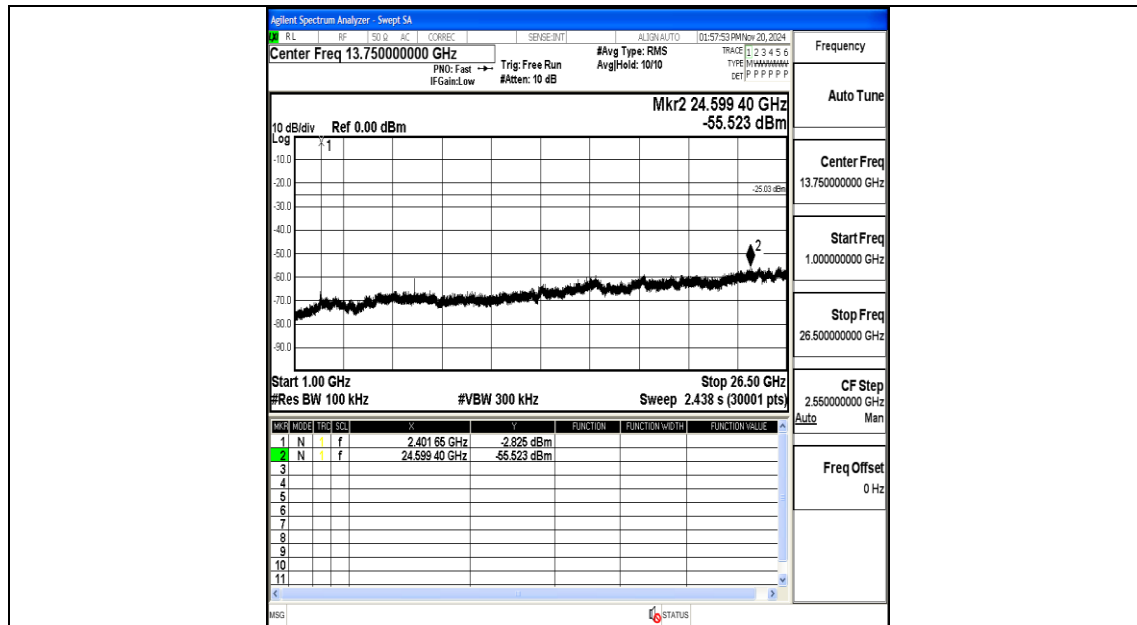
DH5-Ant1-2480-1000~26500-PASS



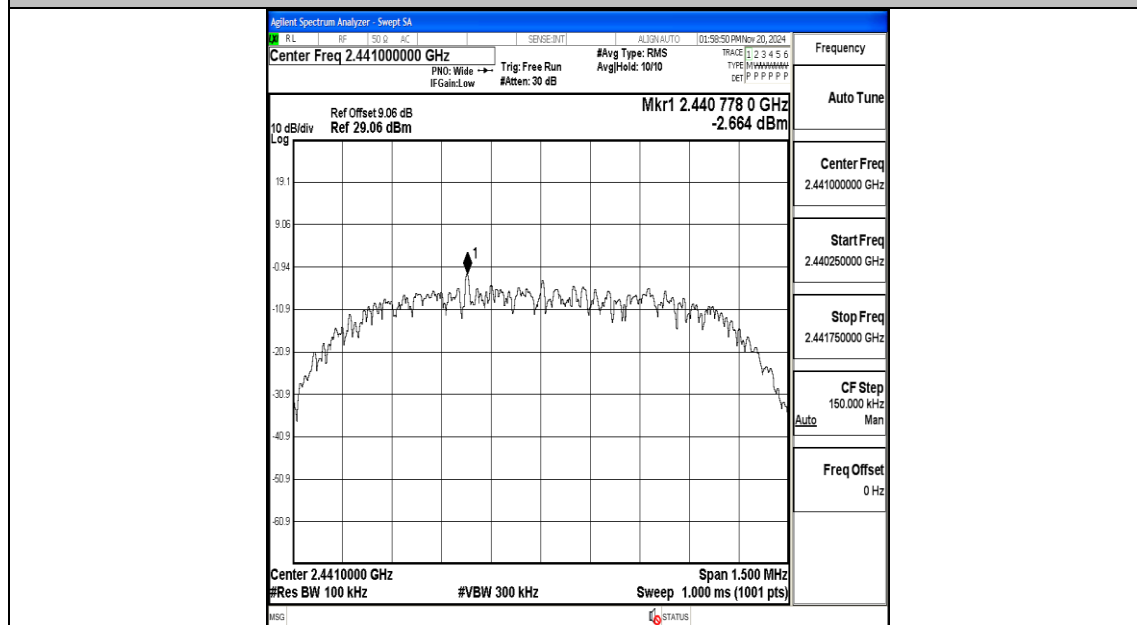
2DH5-Ant1-2402-0~Reference-PASS



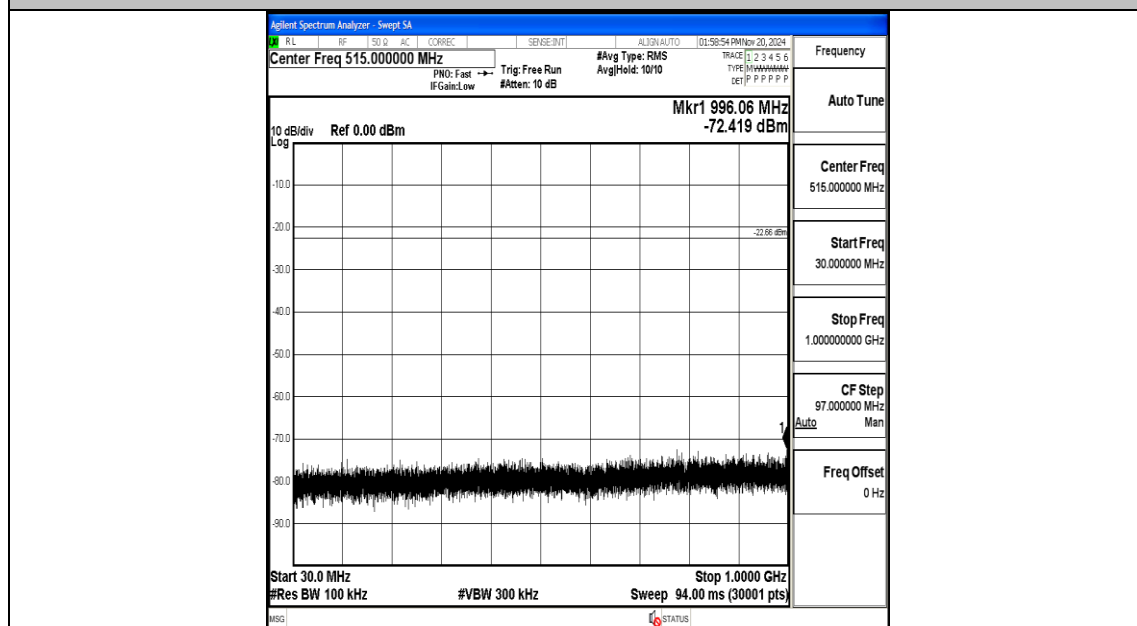
2DH5-Ant1-2402-30~1000-PASS



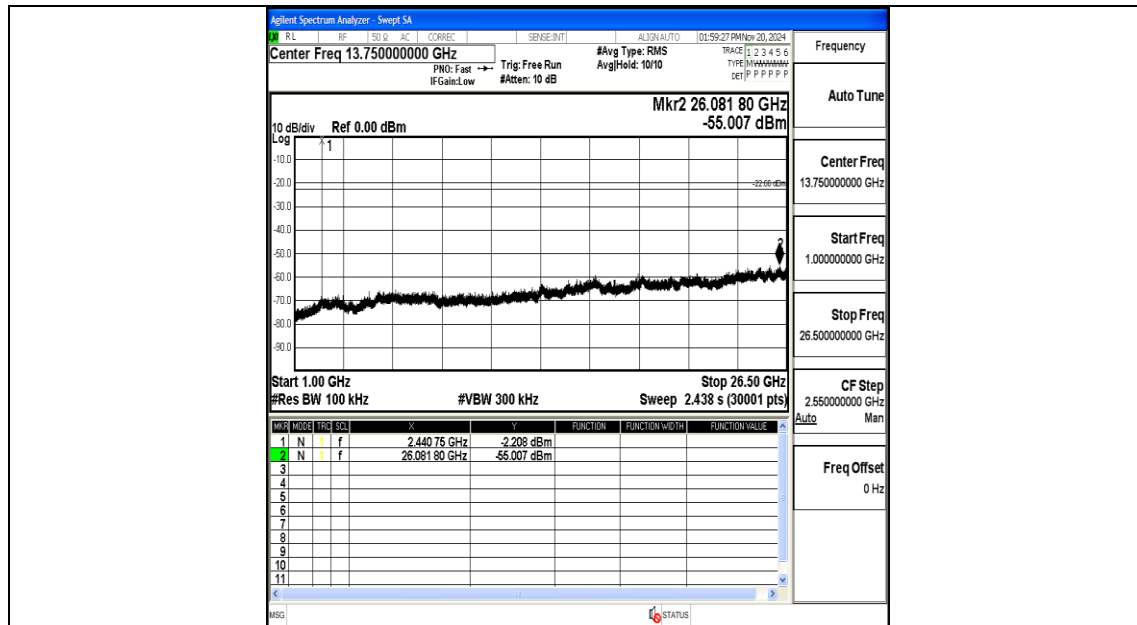
2DH5-Ant1-2402-1000~26500-PASS



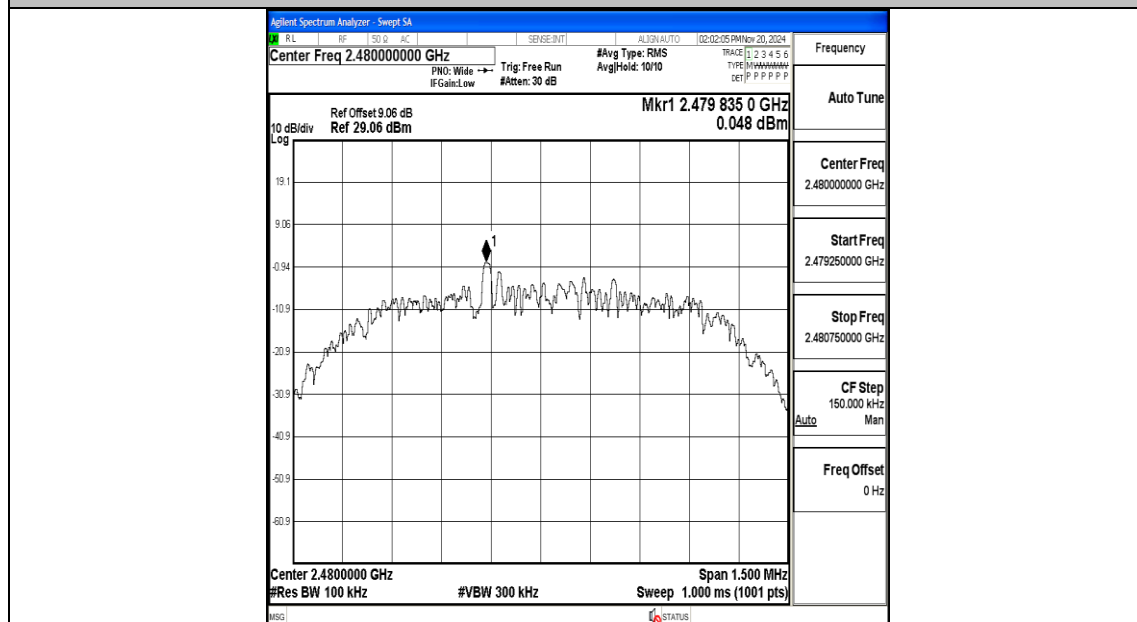
2DH5-Ant1-2441-0~Reference-PASS



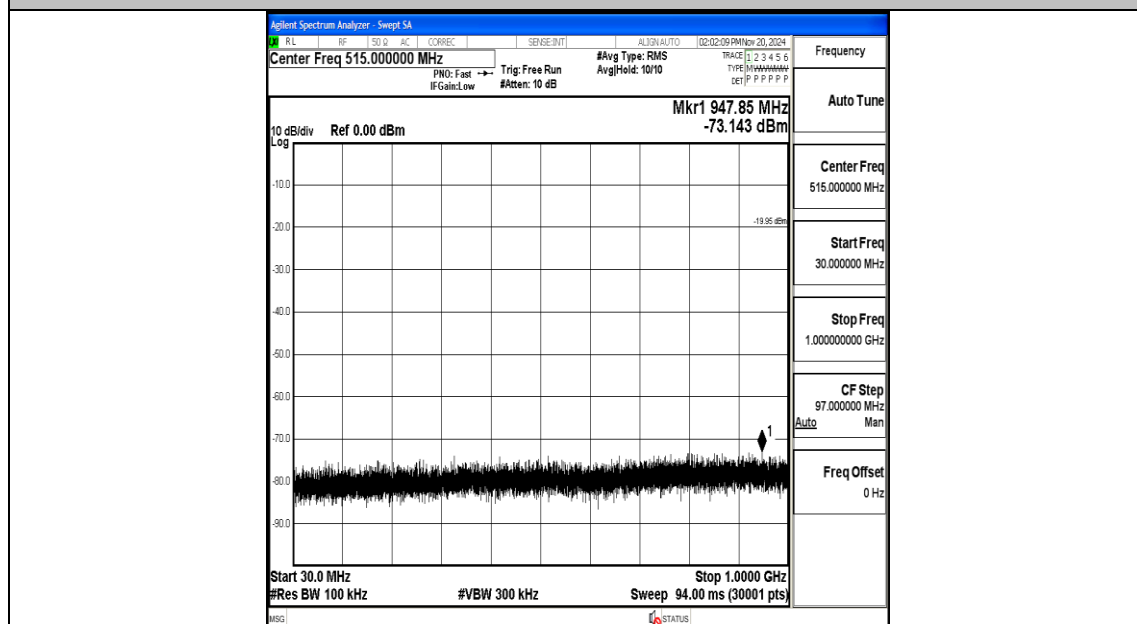
2DH5-Ant1-2441-30~1000-PASS



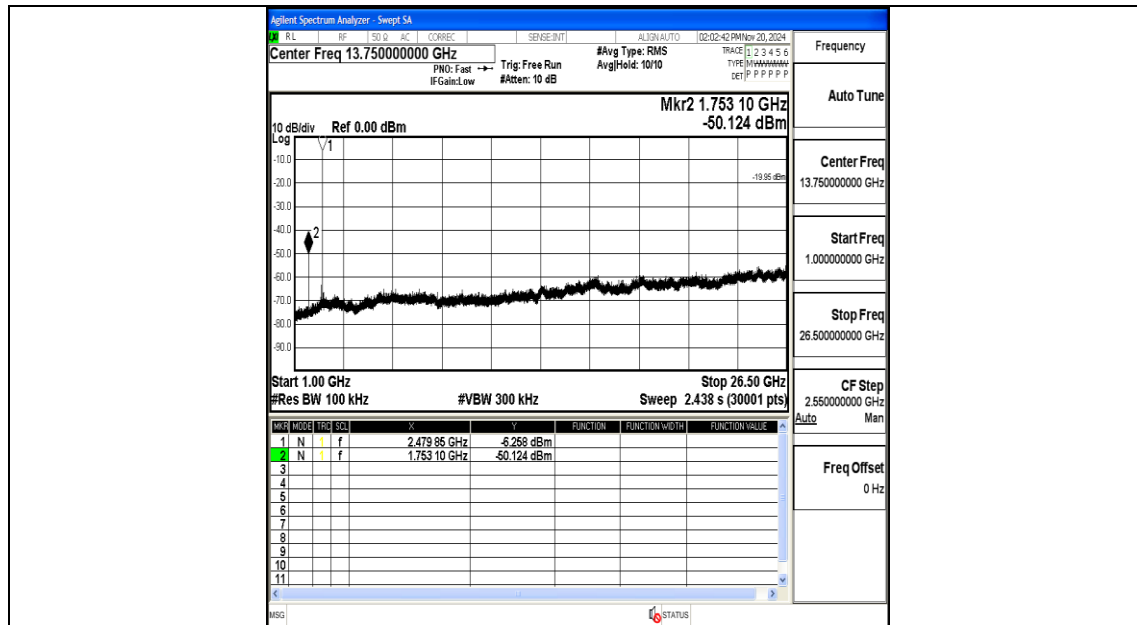
2DH5-Ant1-2441-1000~26500-PASS



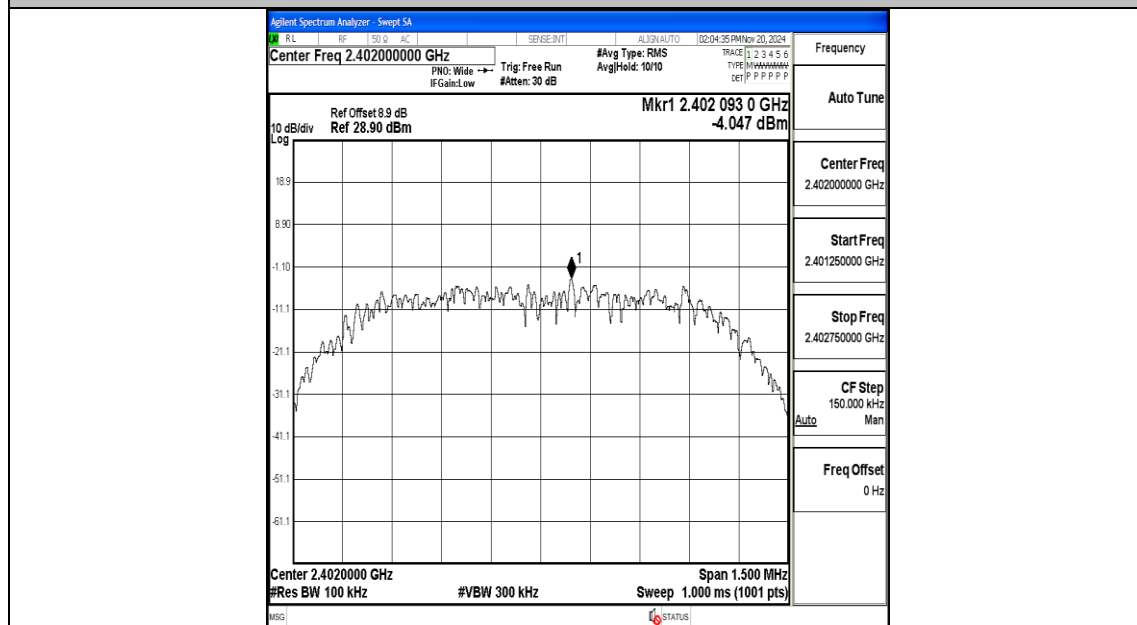
2DH5-Ant1-2480-0~Reference-PASS



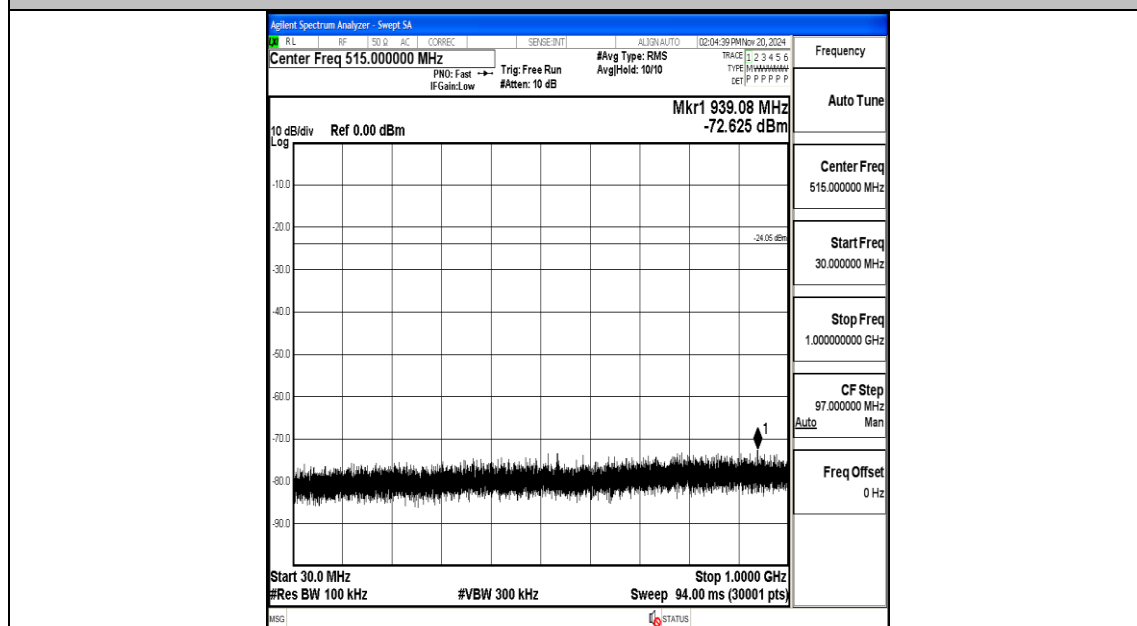
2DH5-Ant1-2480-30~1000-PASS



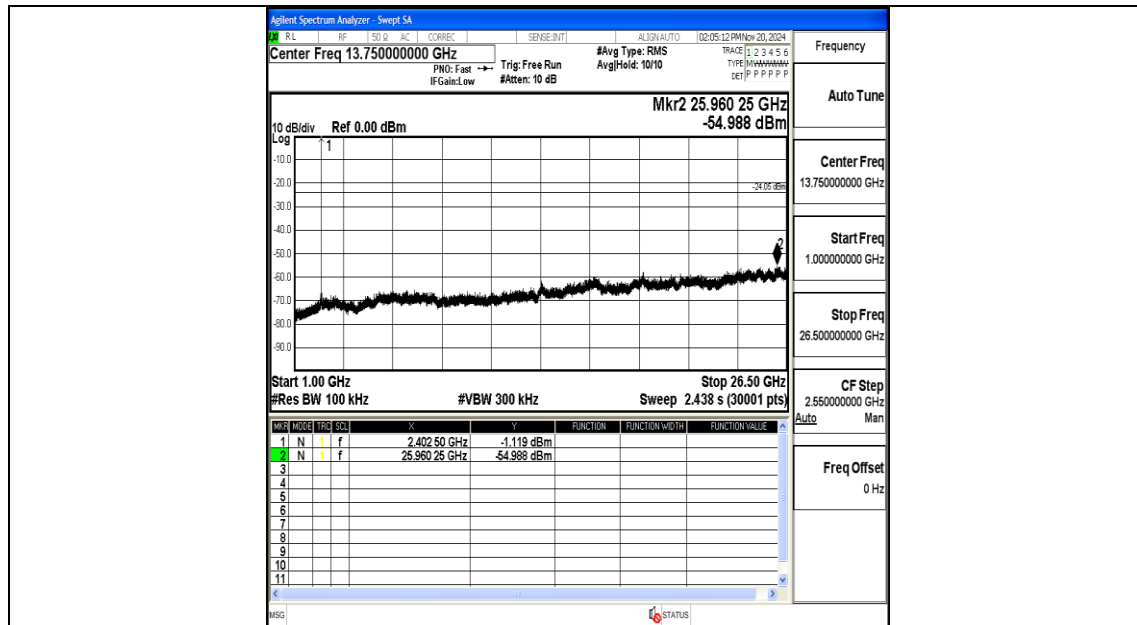
2DH5-Ant1-2480-1000~26500-PASS



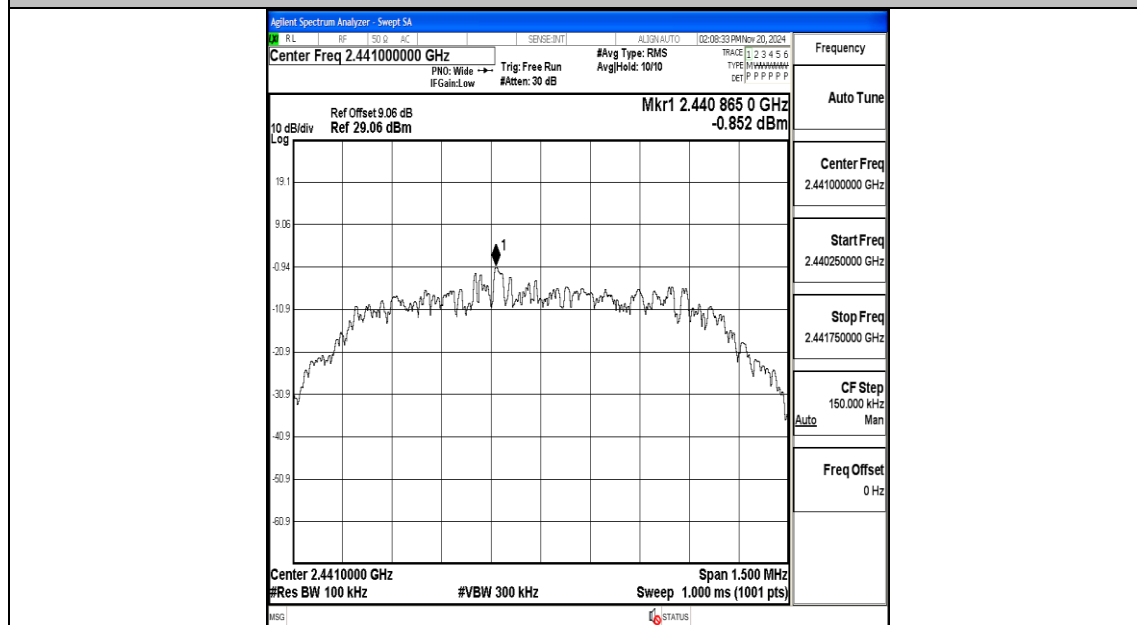
3DH5-Ant1-2402-0~Reference-PASS



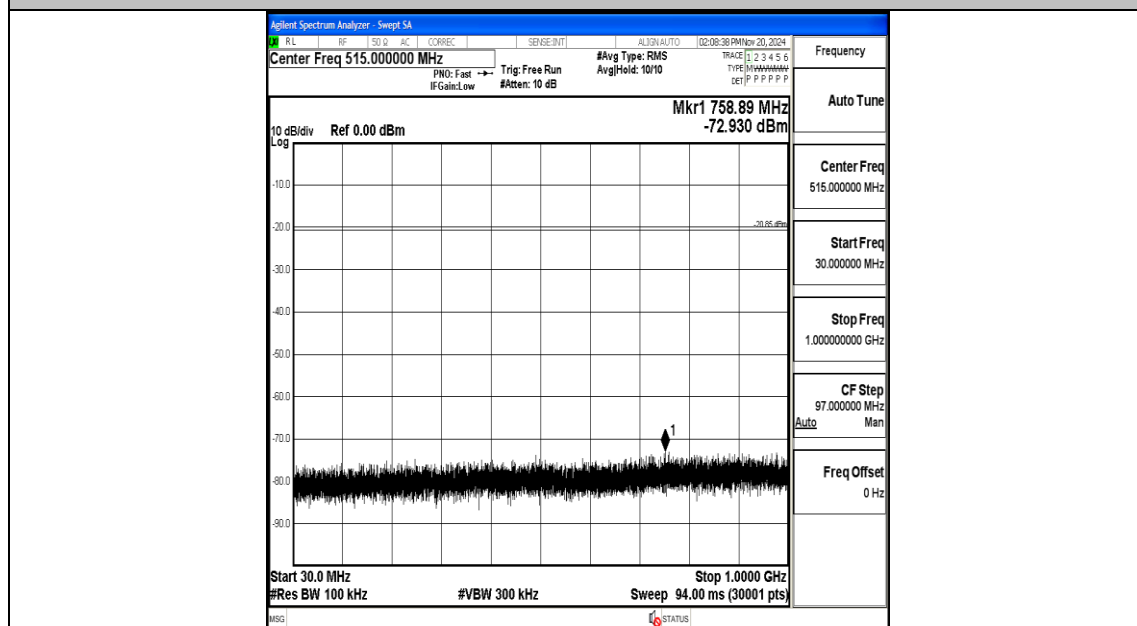
3DH5-Ant1-2402-30~1000-PASS



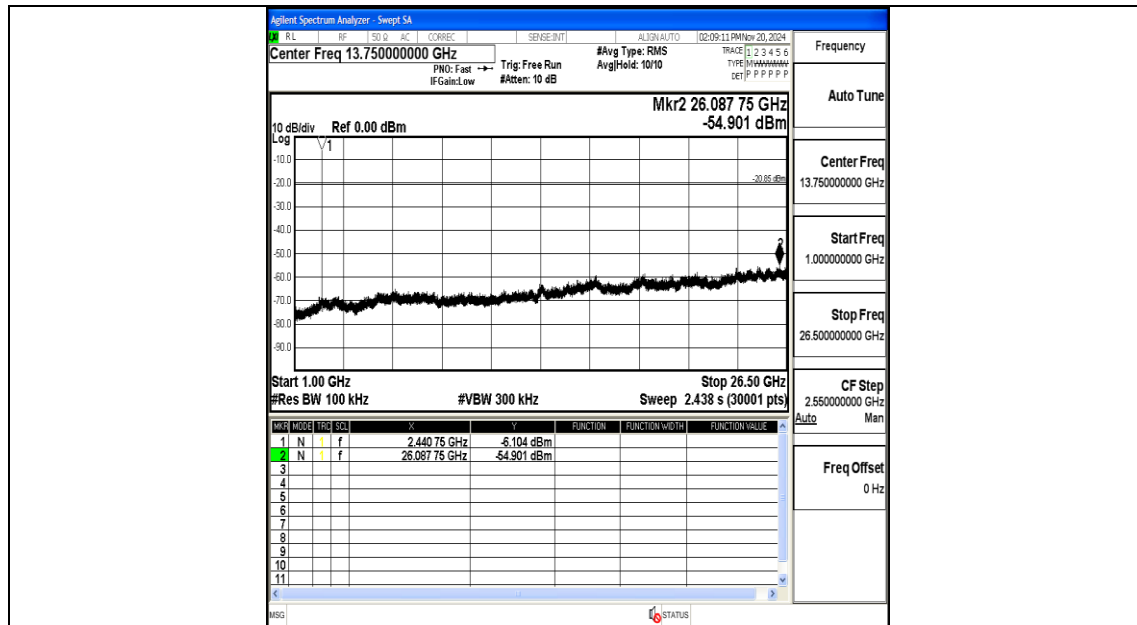
3DH5-Ant1-2402-1000~26500-PASS



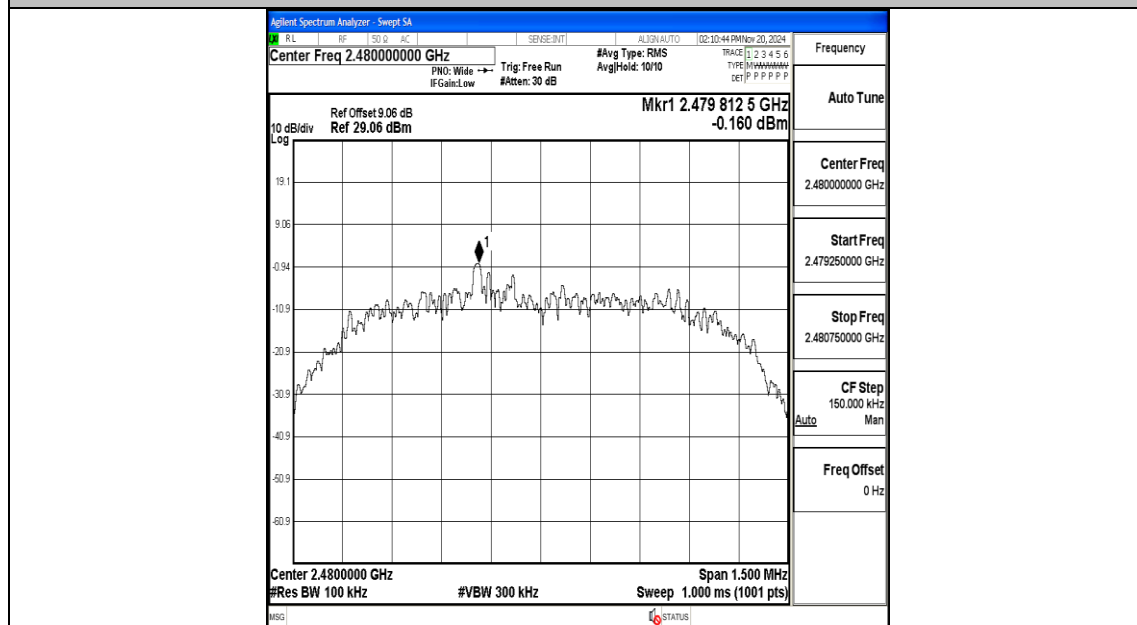
3DH5-Ant1-2441-0~Reference-PASS



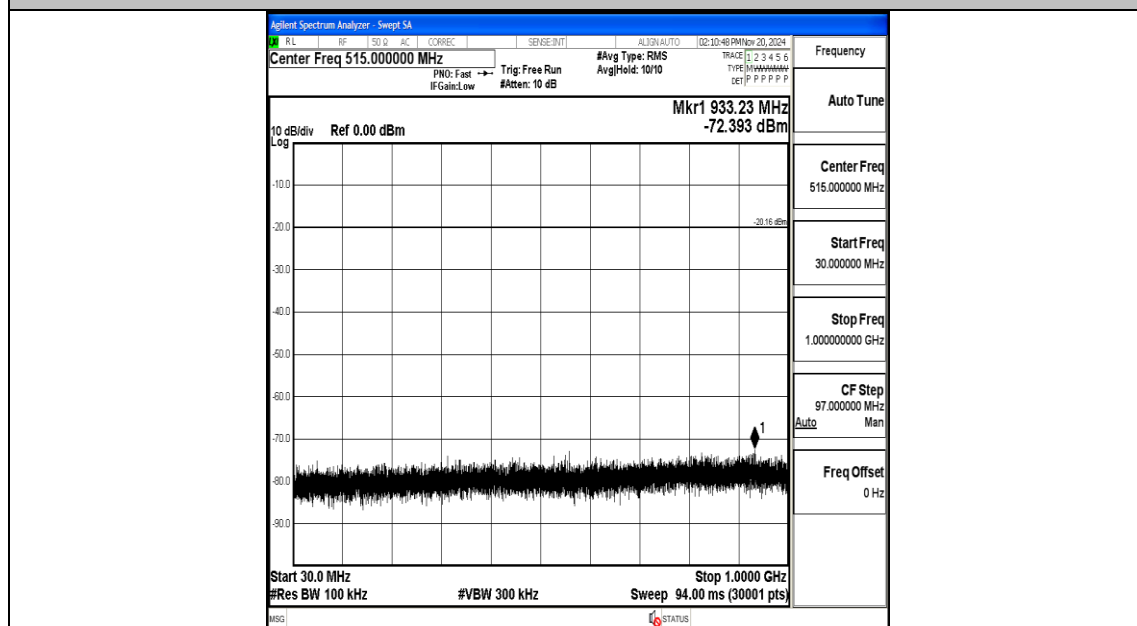
3DH5-Ant1-2441-30~1000-PASS



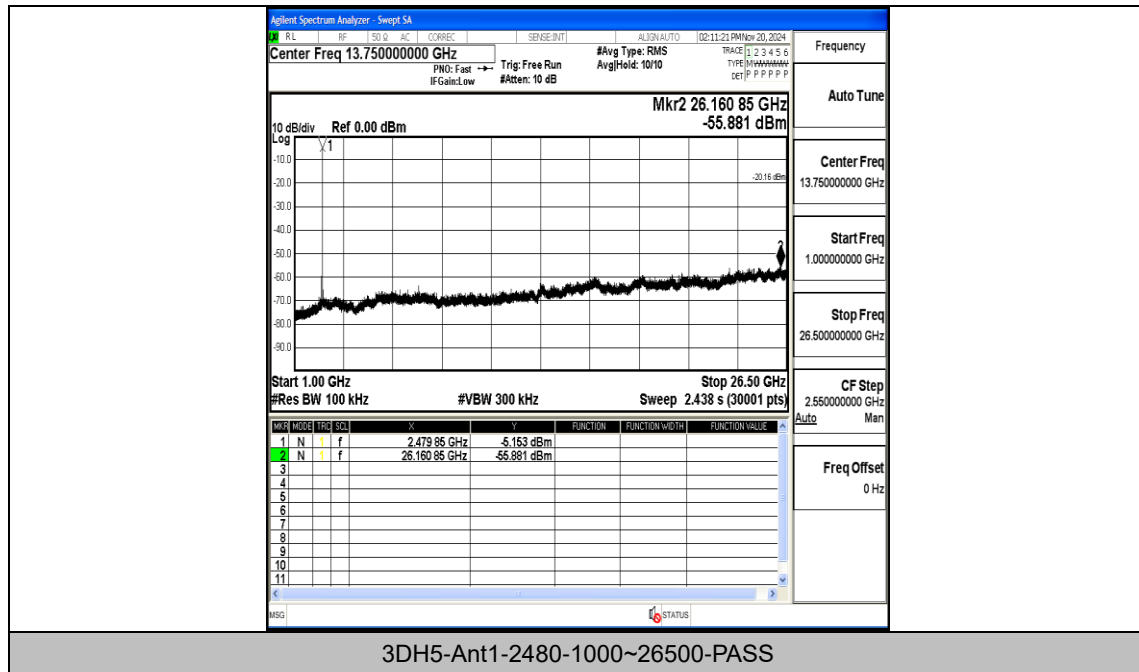
3DH5-Ant1-2441-1000~26500-PASS



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



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

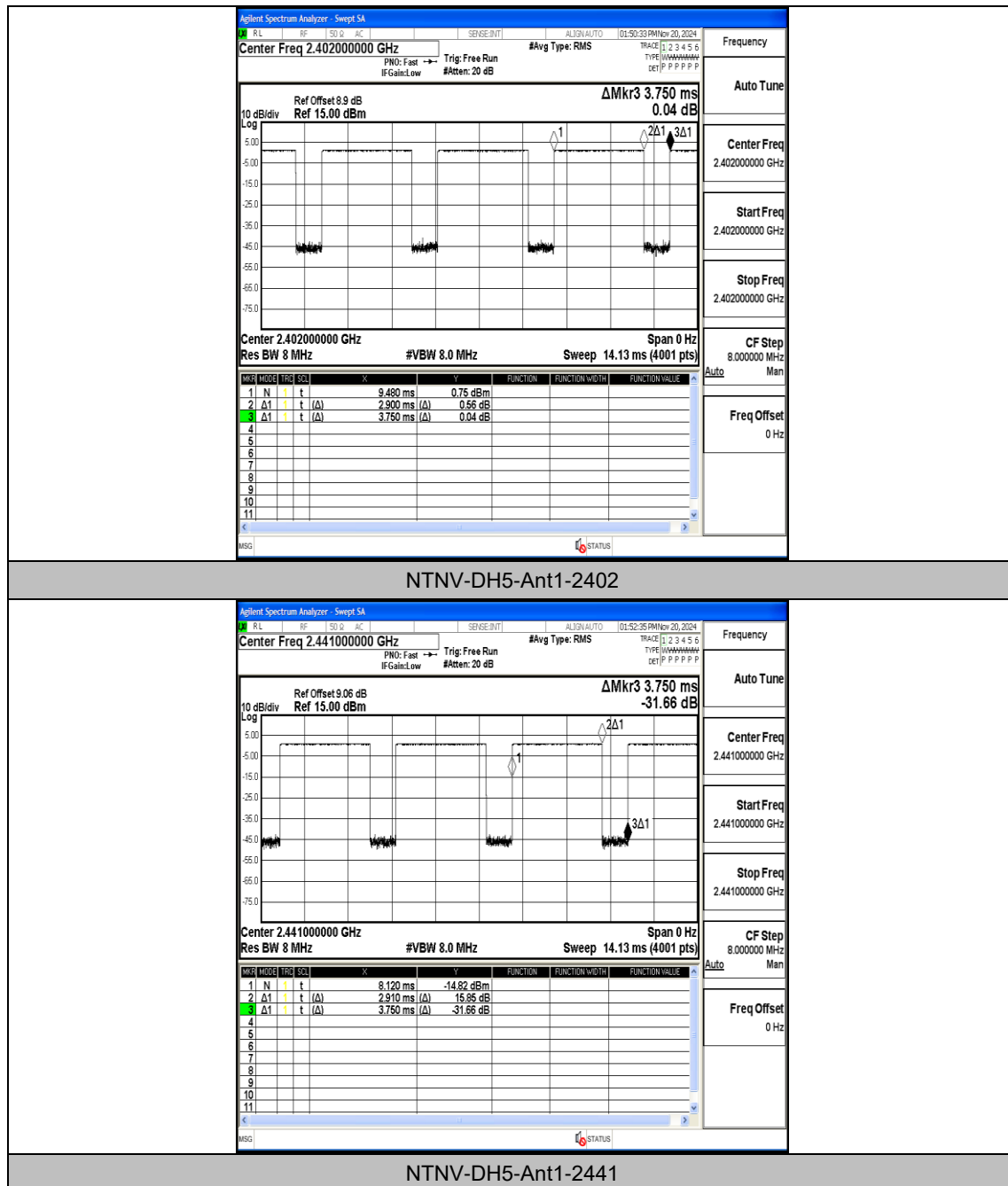


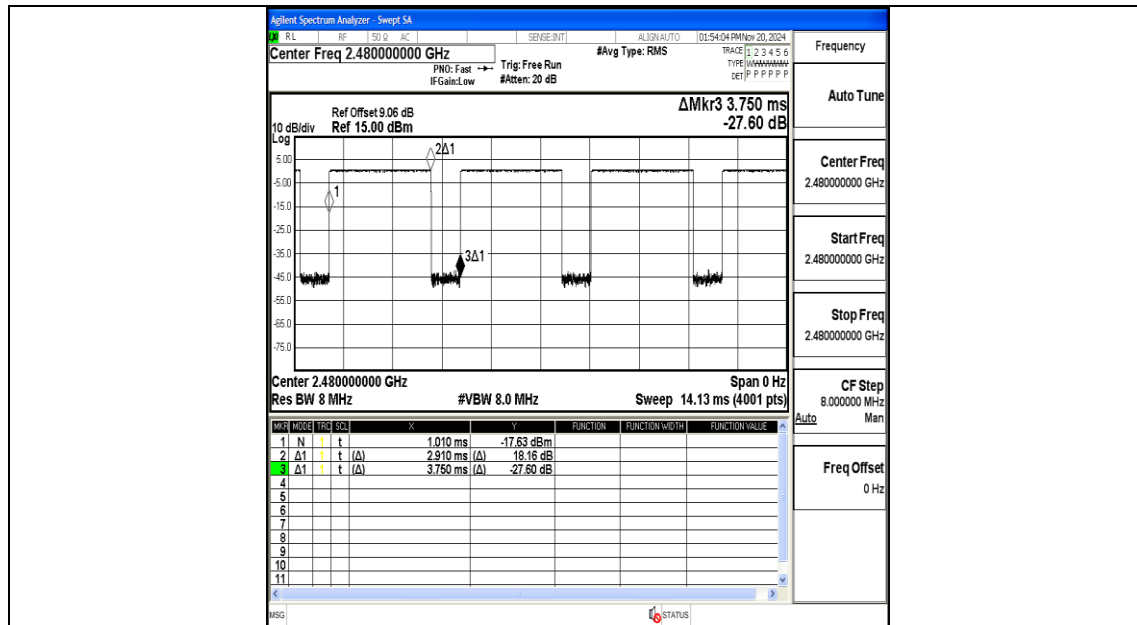
Appendix I: Duty Cycle

Test Result

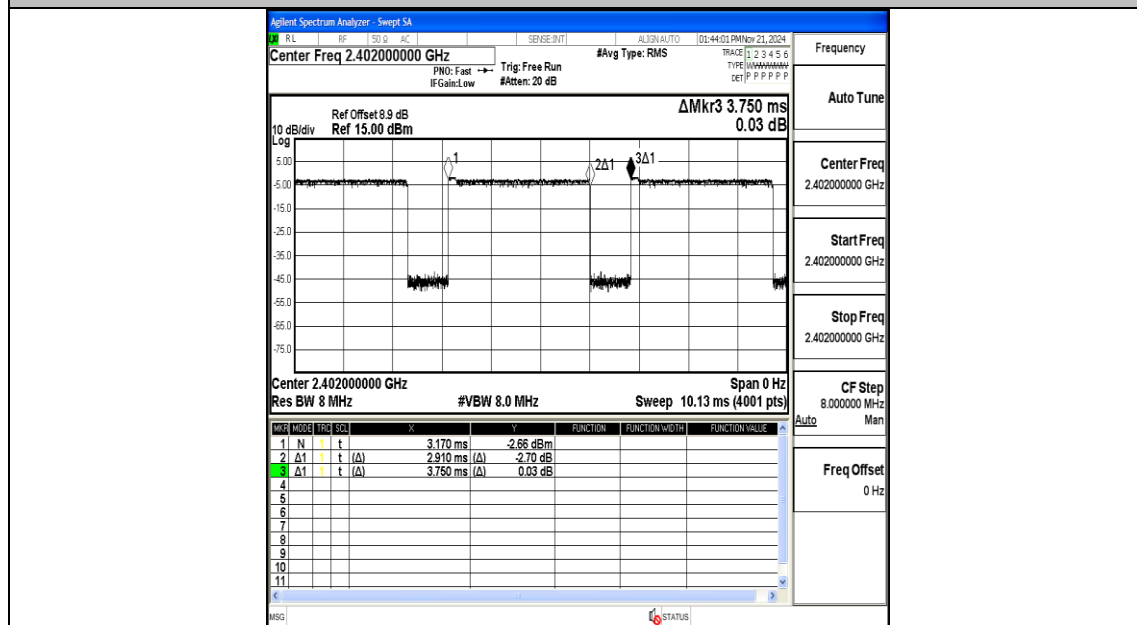
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.90	3.75	77.33	1.12
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.91	3.75	77.60	1.10
2DH5	Ant1	2441	2.91	3.75	77.60	1.10
2DH5	Ant1	2480	2.91	3.75	77.60	1.10
3DH5	Ant1	2402	2.91	3.75	77.60	1.10
3DH5	Ant1	2441	2.92	3.76	77.66	1.10
3DH5	Ant1	2480	2.92	3.75	77.87	1.09

Test Graphs

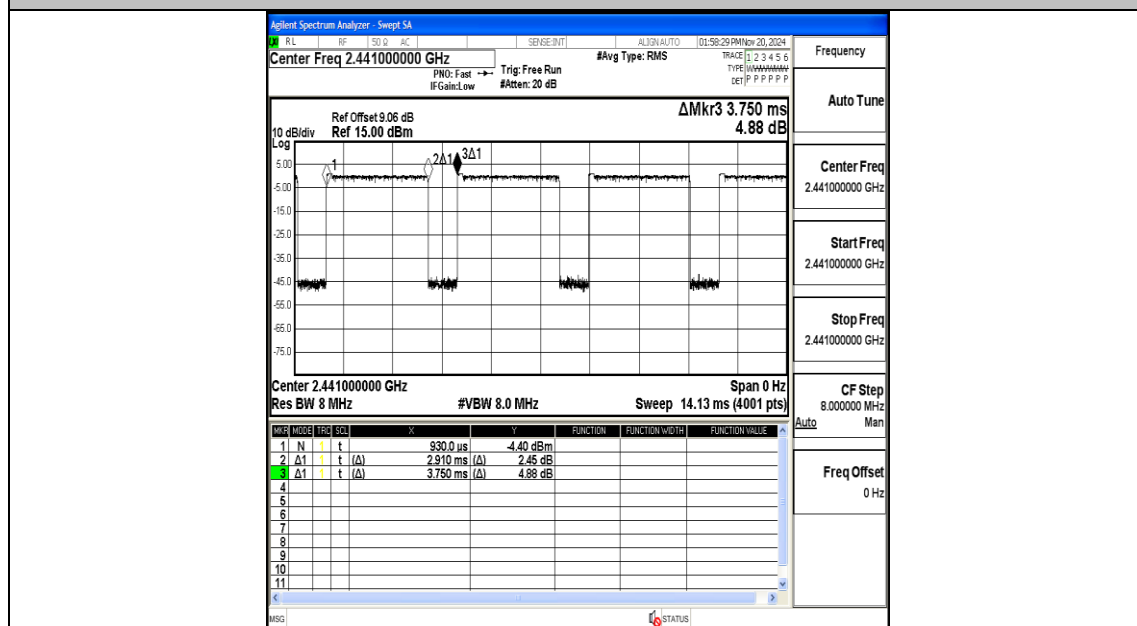




NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441

