

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

Product Name: DRONE

Trade Mark: N/A

Test Model: U11PRO2

FCC ID: 2AXQL-U11PRO2

Environmental Conditions

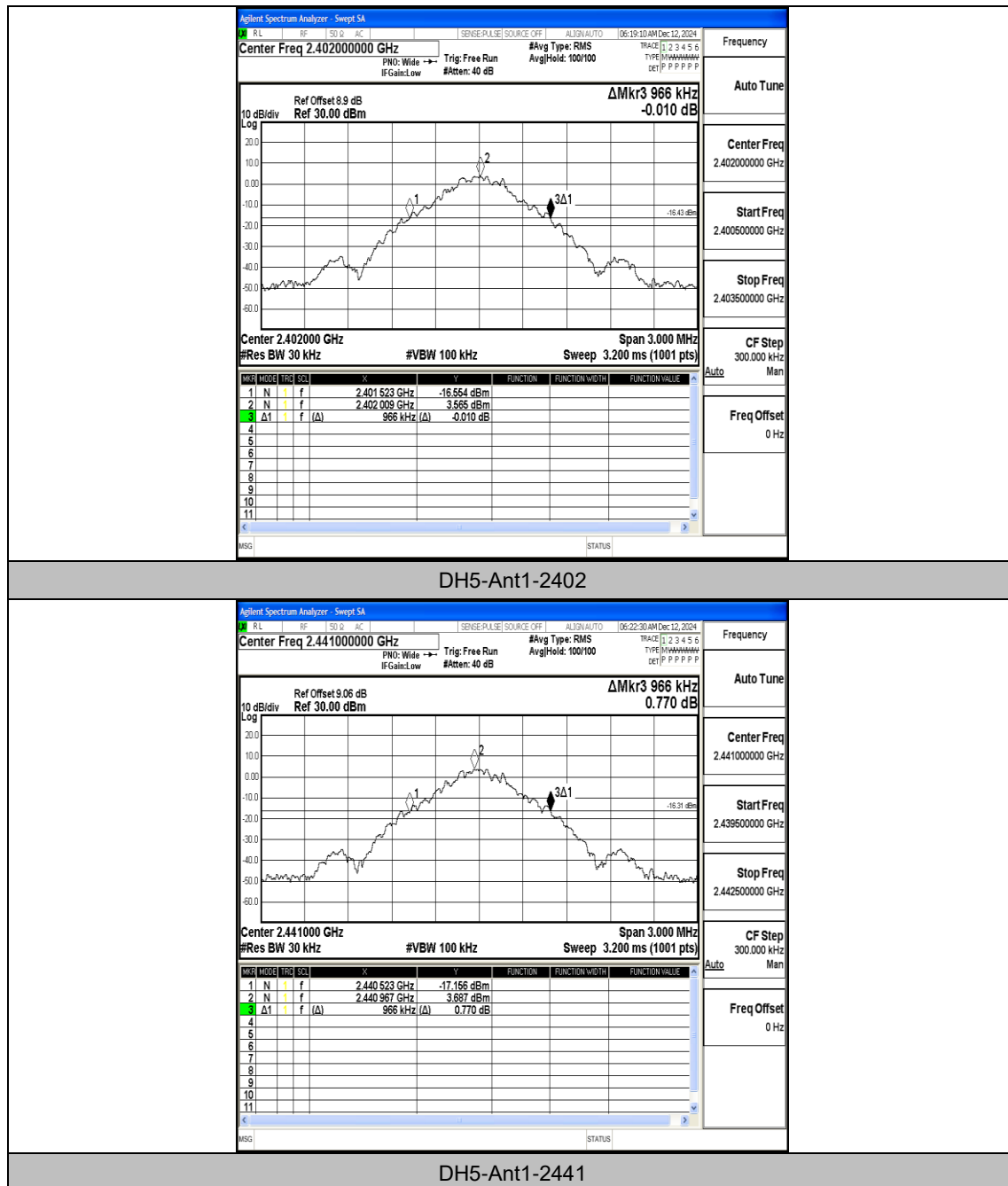
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

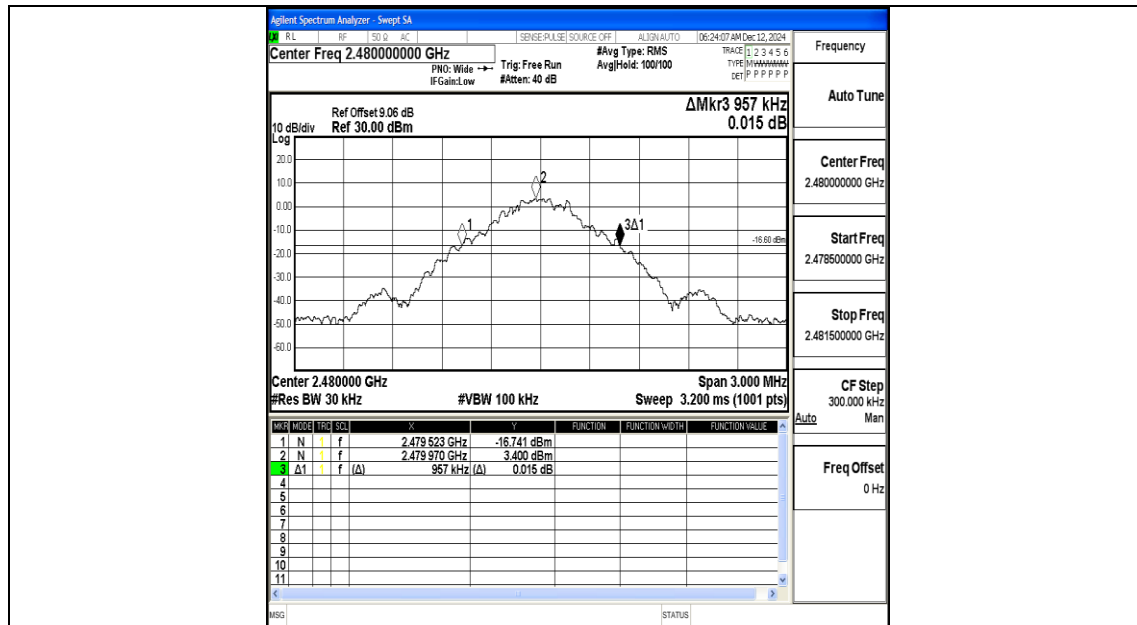
Appendix A: 20dB Emission Bandwidth

Test Result

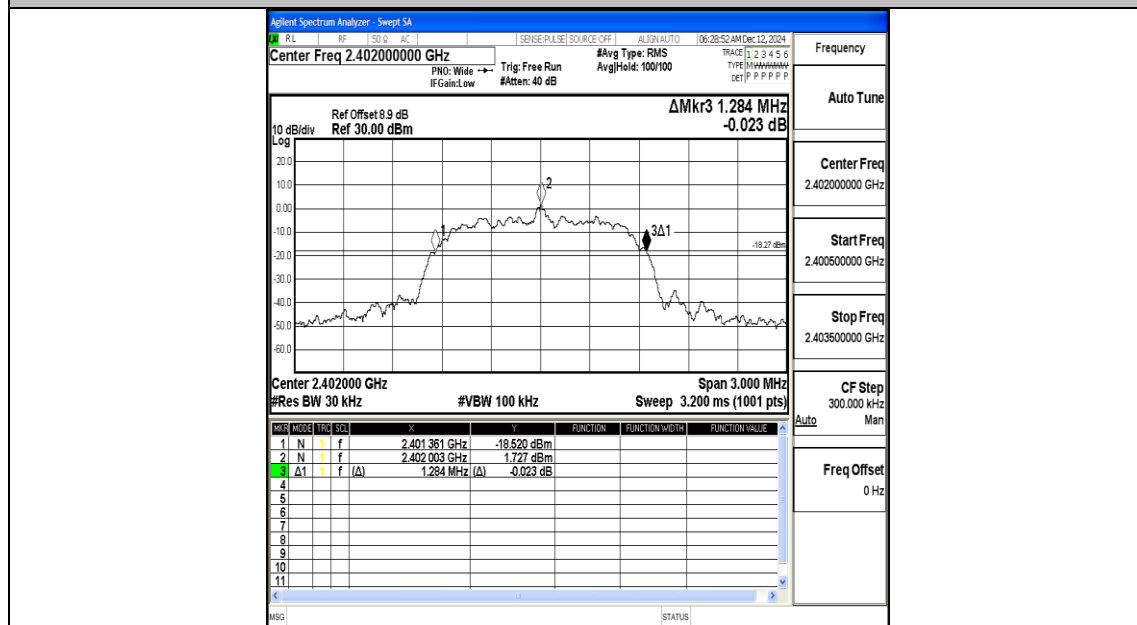
Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.966	2401.523	2402.489	---	---
DH5	Ant1	2441	0.966	2440.523	2441.489	---	---
DH5	Ant1	2480	0.957	2479.523	2480.480	---	---
2DH5	Ant1	2402	1.284	2401.361	2402.645	---	---
2DH5	Ant1	2441	1.287	2440.358	2441.645	---	---
2DH5	Ant1	2480	1.287	2479.358	2480.645	---	---
3DH5	Ant1	2402	1.320	2401.337	2402.657	---	---
3DH5	Ant1	2441	1.290	2440.343	2441.633	---	---
3DH5	Ant1	2480	1.299	2479.343	2480.642	---	---

Test Graphs

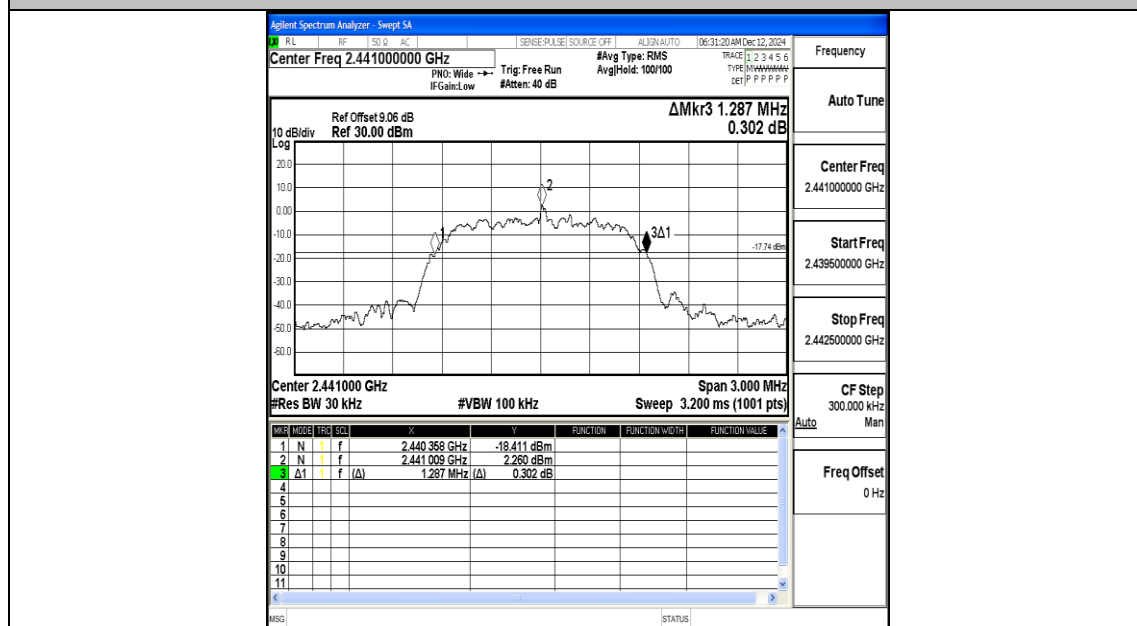




DH5-Ant1-2480

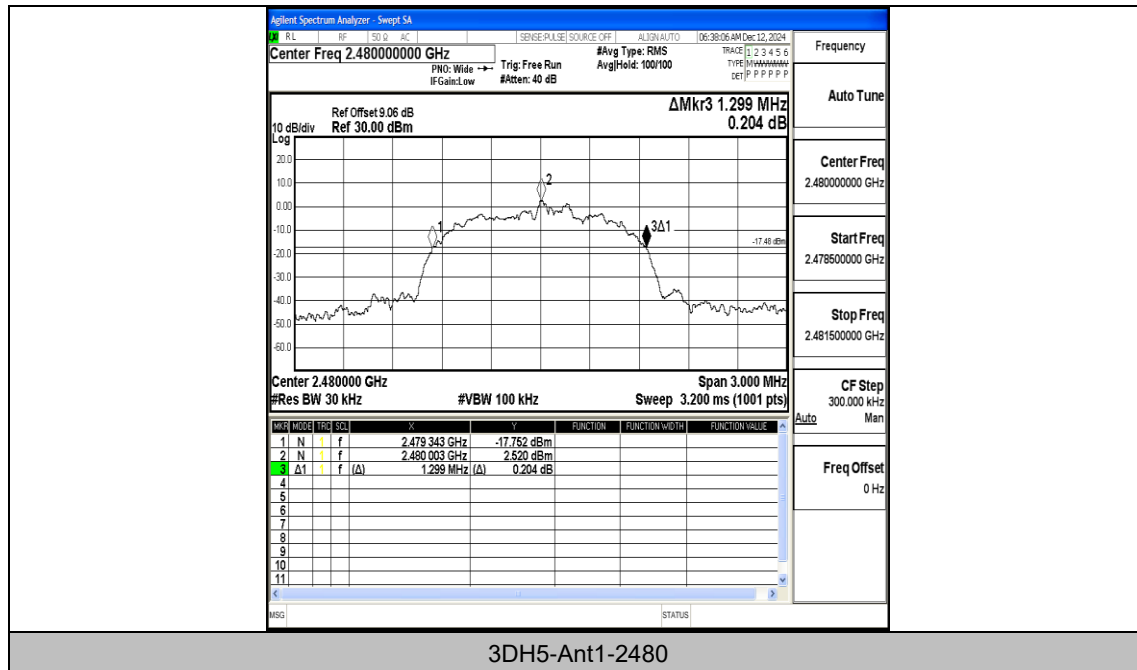


2DH5-Ant1-2402



2DH5-Ant1-2441



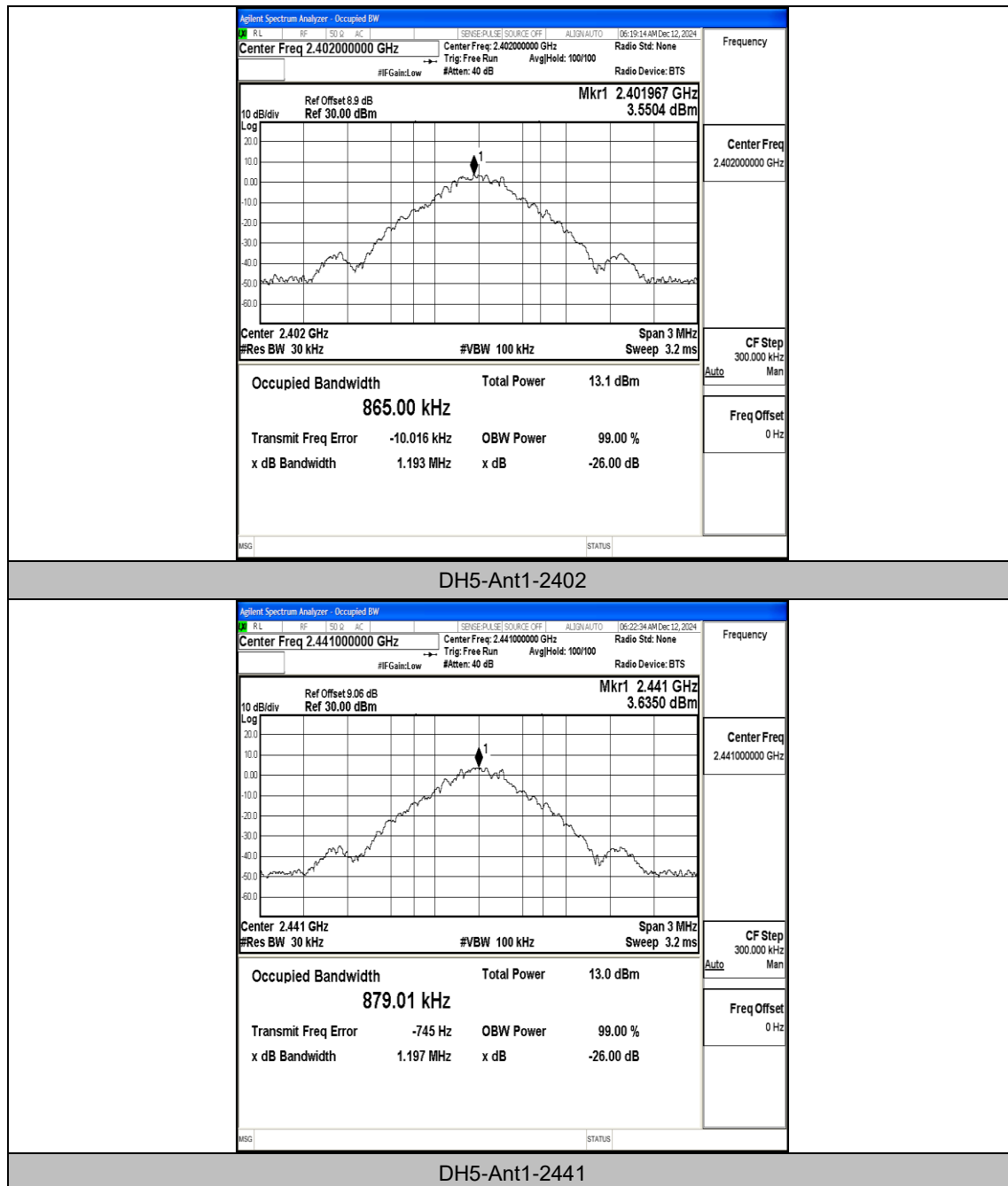


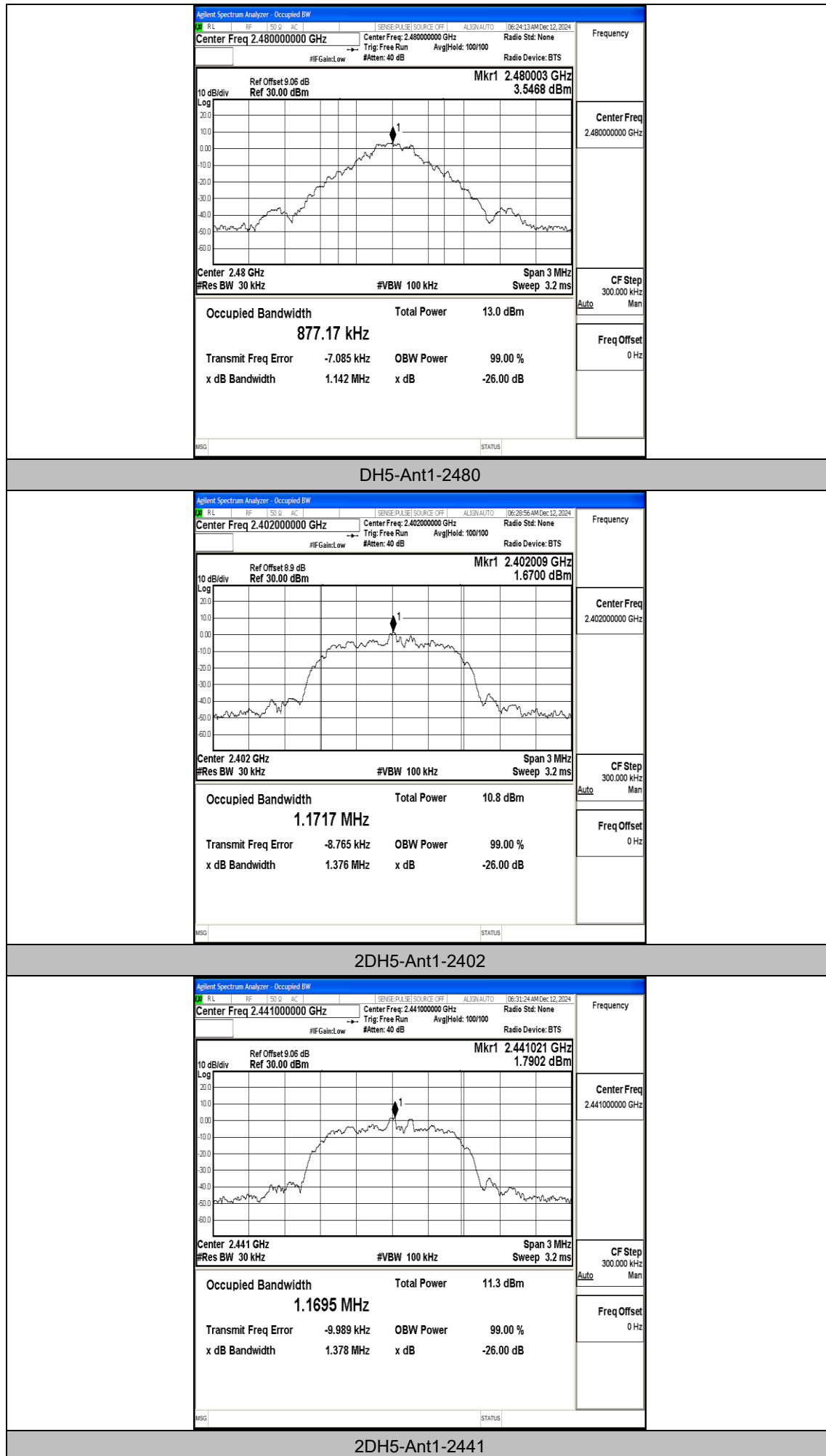
Appendix B: Occupied Channel Bandwidth

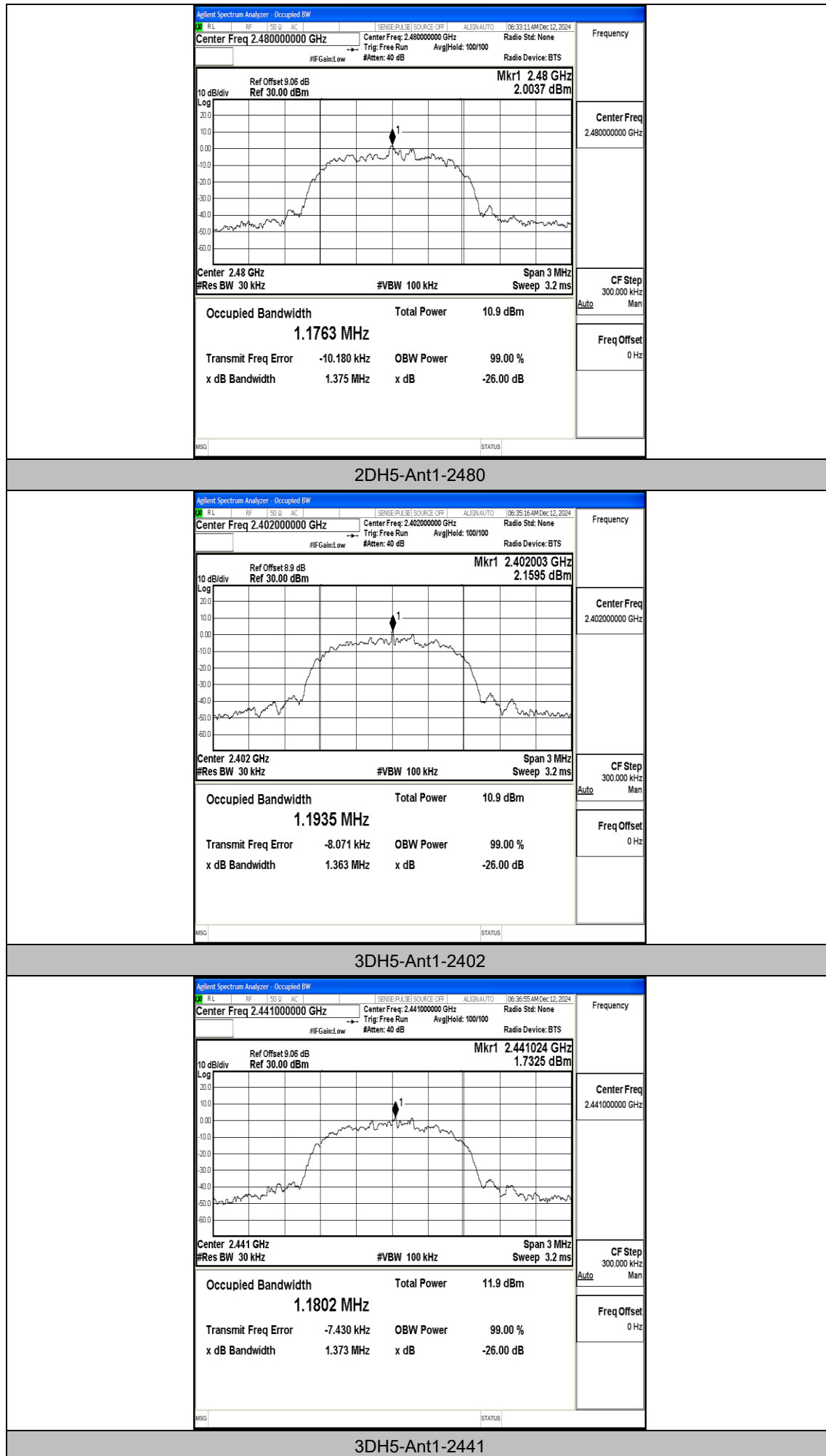
Test Result

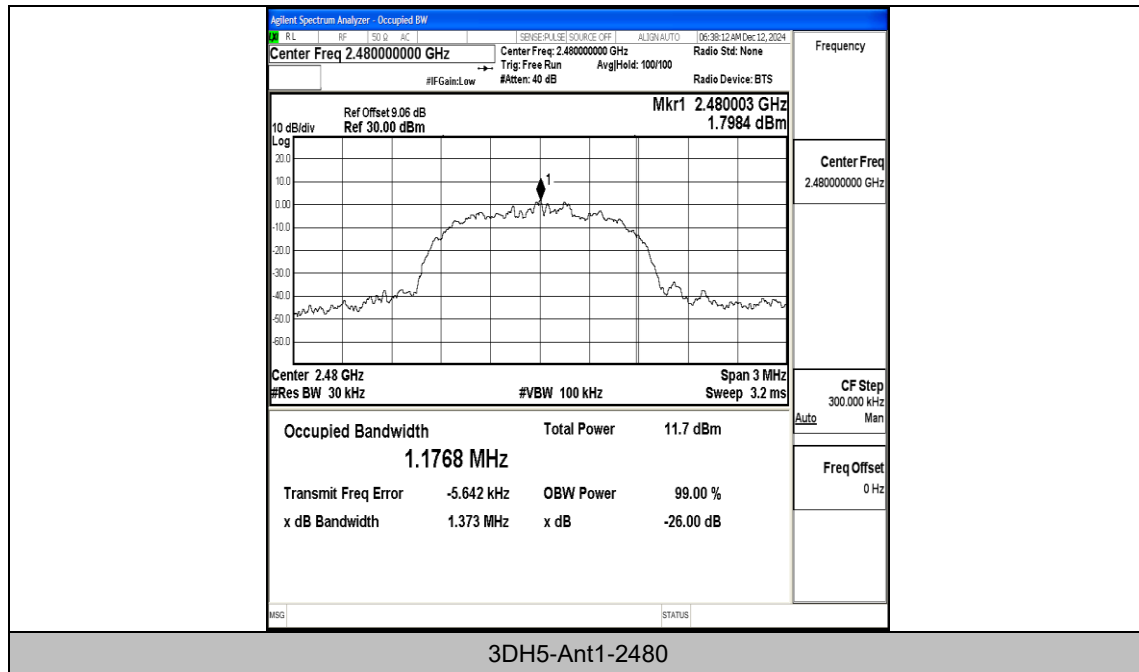
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.86500	2401.5575	2402.4225	---	---
DH5	Ant1	2441	0.87901	2440.5598	2441.4388	---	---
DH5	Ant1	2480	0.87717	2479.5543	2480.4315	---	---
2DH5	Ant1	2402	1.1717	2401.4054	2402.5771	---	---
2DH5	Ant1	2441	1.1695	2440.4053	2441.5748	---	---
2DH5	Ant1	2480	1.1763	2479.4017	2480.5780	---	---
3DH5	Ant1	2402	1.1935	2401.3952	2402.5887	---	---
3DH5	Ant1	2441	1.1802	2440.4025	2441.5827	---	---
3DH5	Ant1	2480	1.1768	2479.4060	2480.5828	---	---

Test Graphs







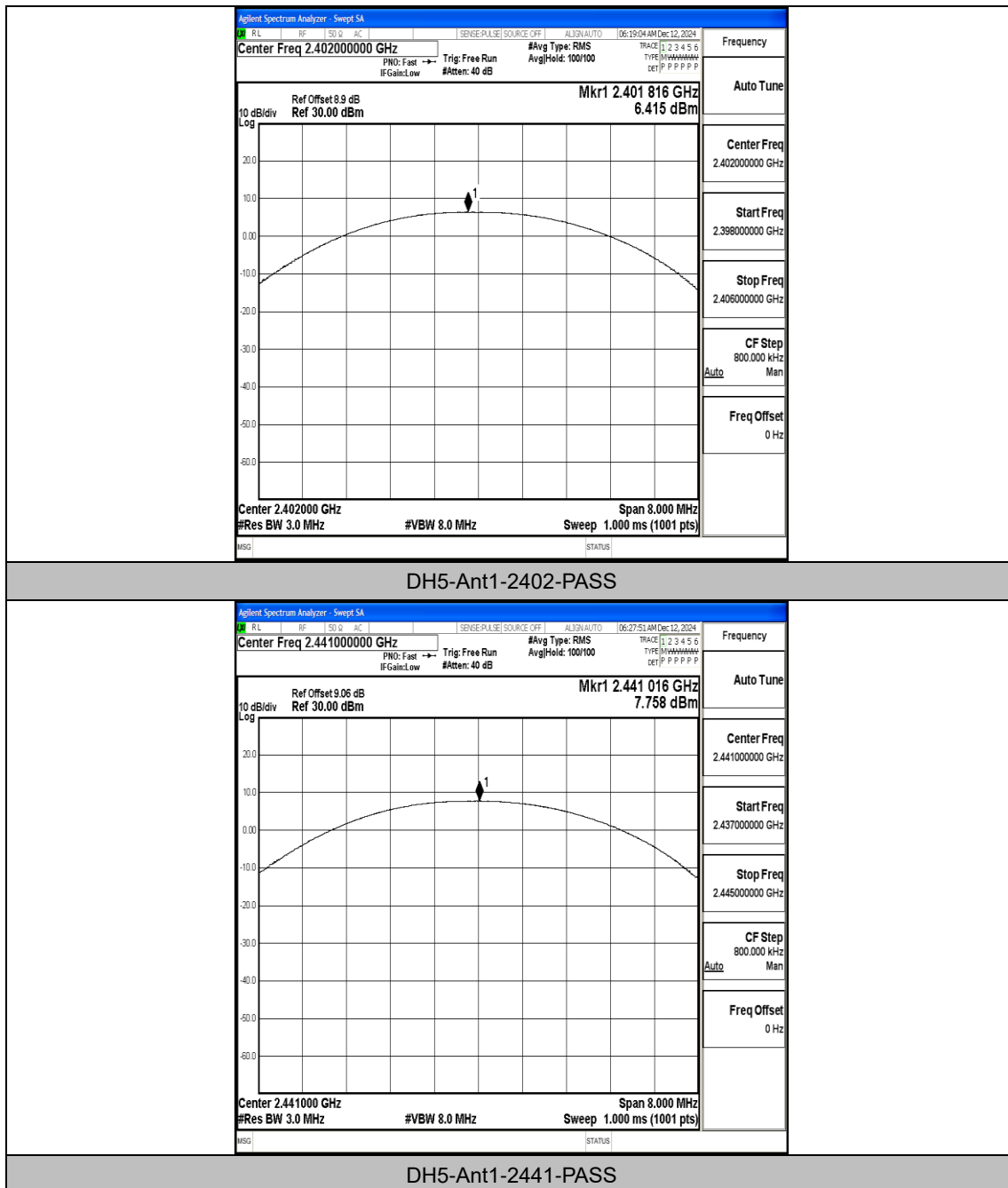


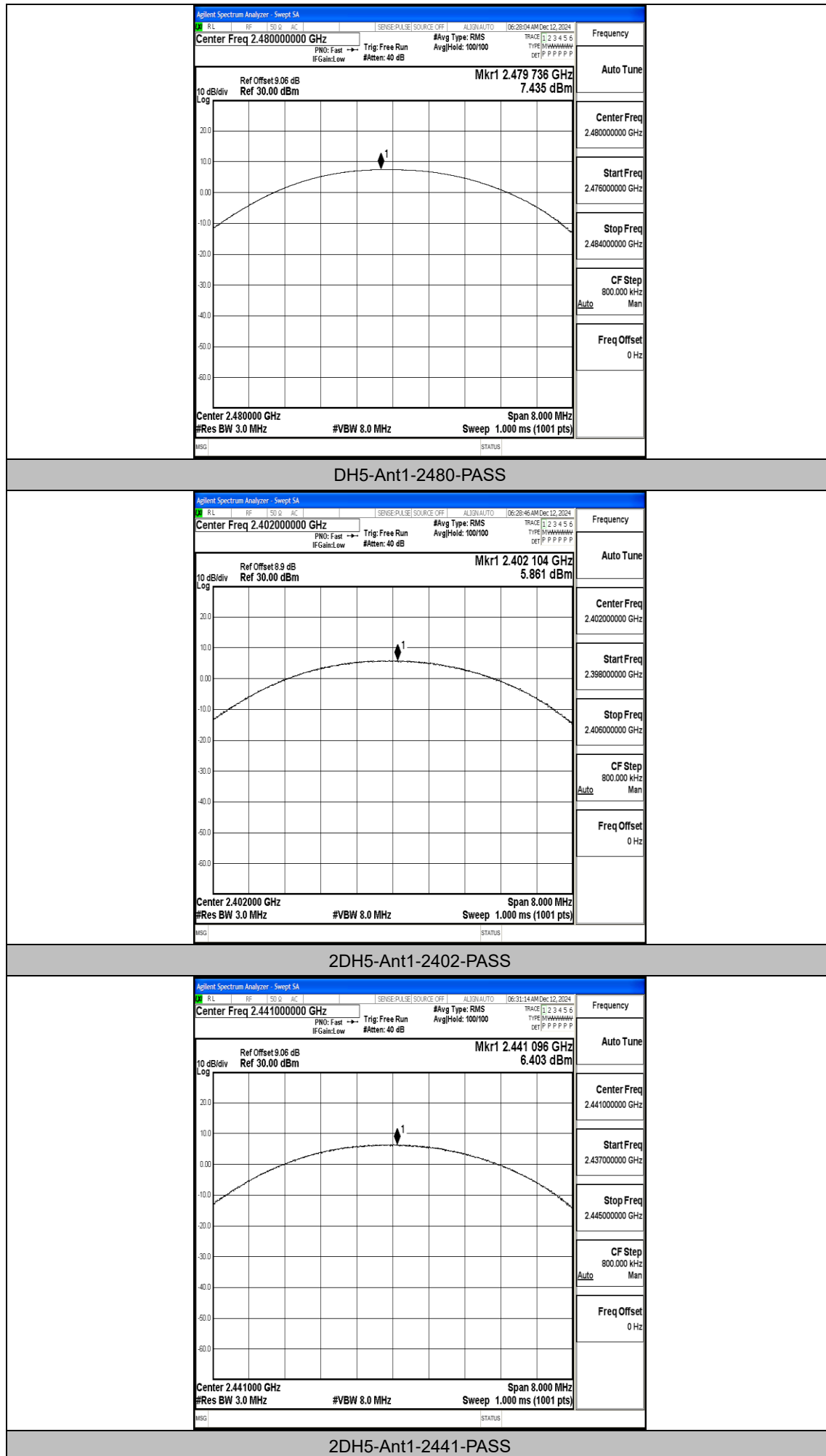
Appendix C: Maximum peak conducted output power

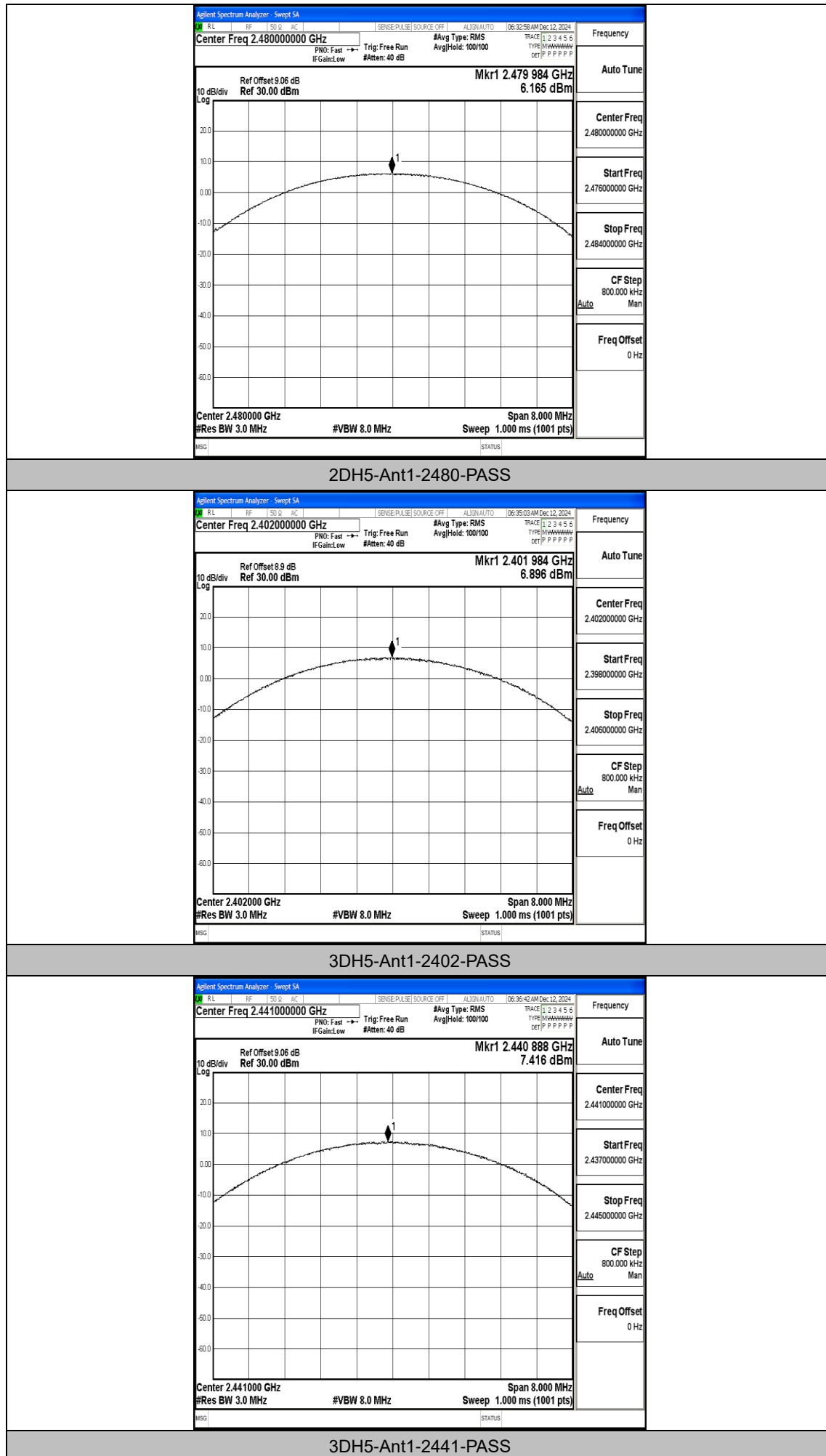
Test Result

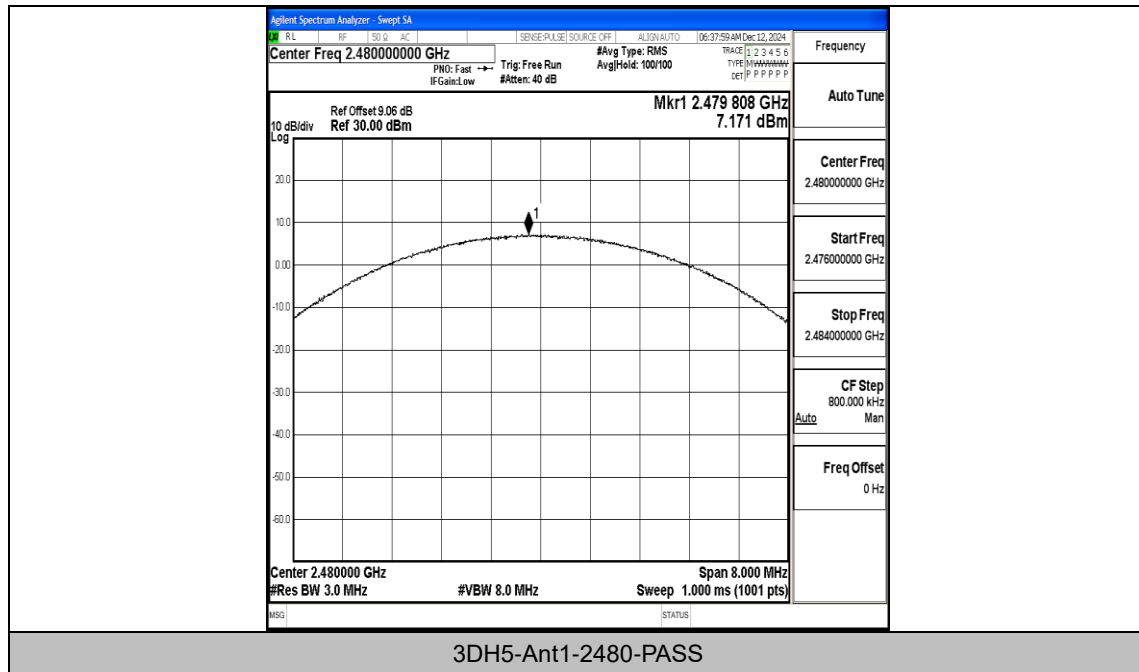
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	6.42	≤30	PASS
DH5	Ant1	2441	7.76	≤30	PASS
DH5	Ant1	2480	7.44	≤30	PASS
2DH5	Ant1	2402	5.86	≤20.97	PASS
2DH5	Ant1	2441	6.40	≤20.97	PASS
2DH5	Ant1	2480	6.17	≤20.97	PASS
3DH5	Ant1	2402	6.90	≤20.97	PASS
3DH5	Ant1	2441	7.42	≤20.97	PASS
3DH5	Ant1	2480	7.17	≤20.97	PASS

Test Graphs







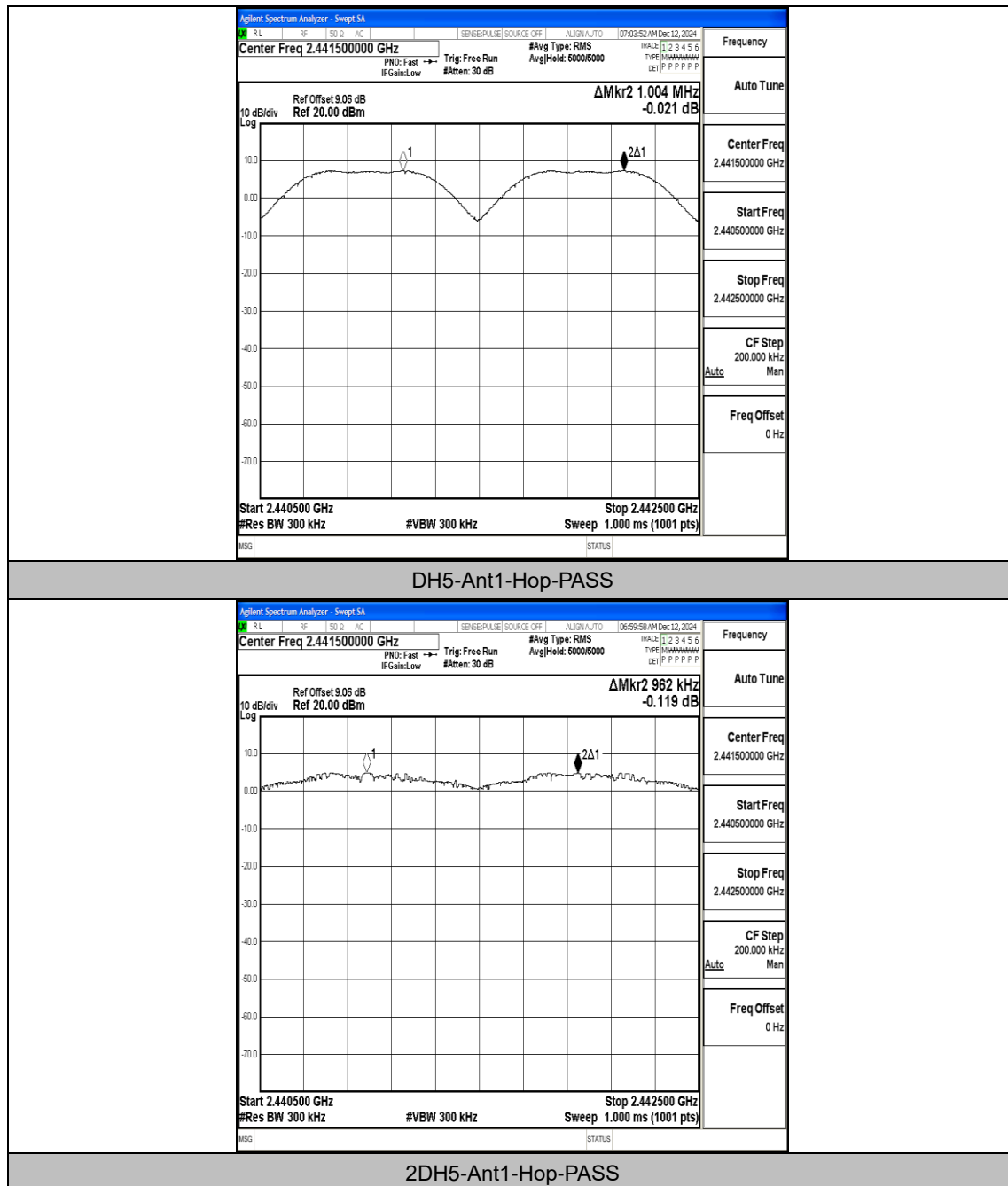


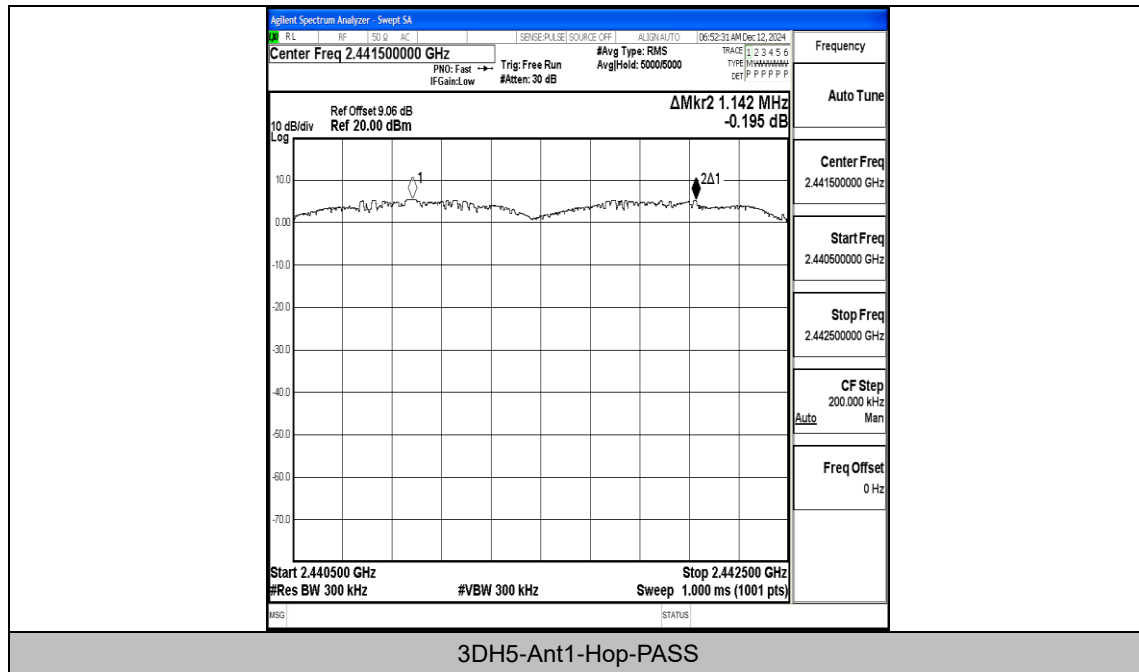
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.966	PASS
2DH5	Ant1	Hop	0.962	≥ 0.858	PASS
3DH5	Ant1	Hop	1.142	≥ 0.880	PASS

Test Graphs



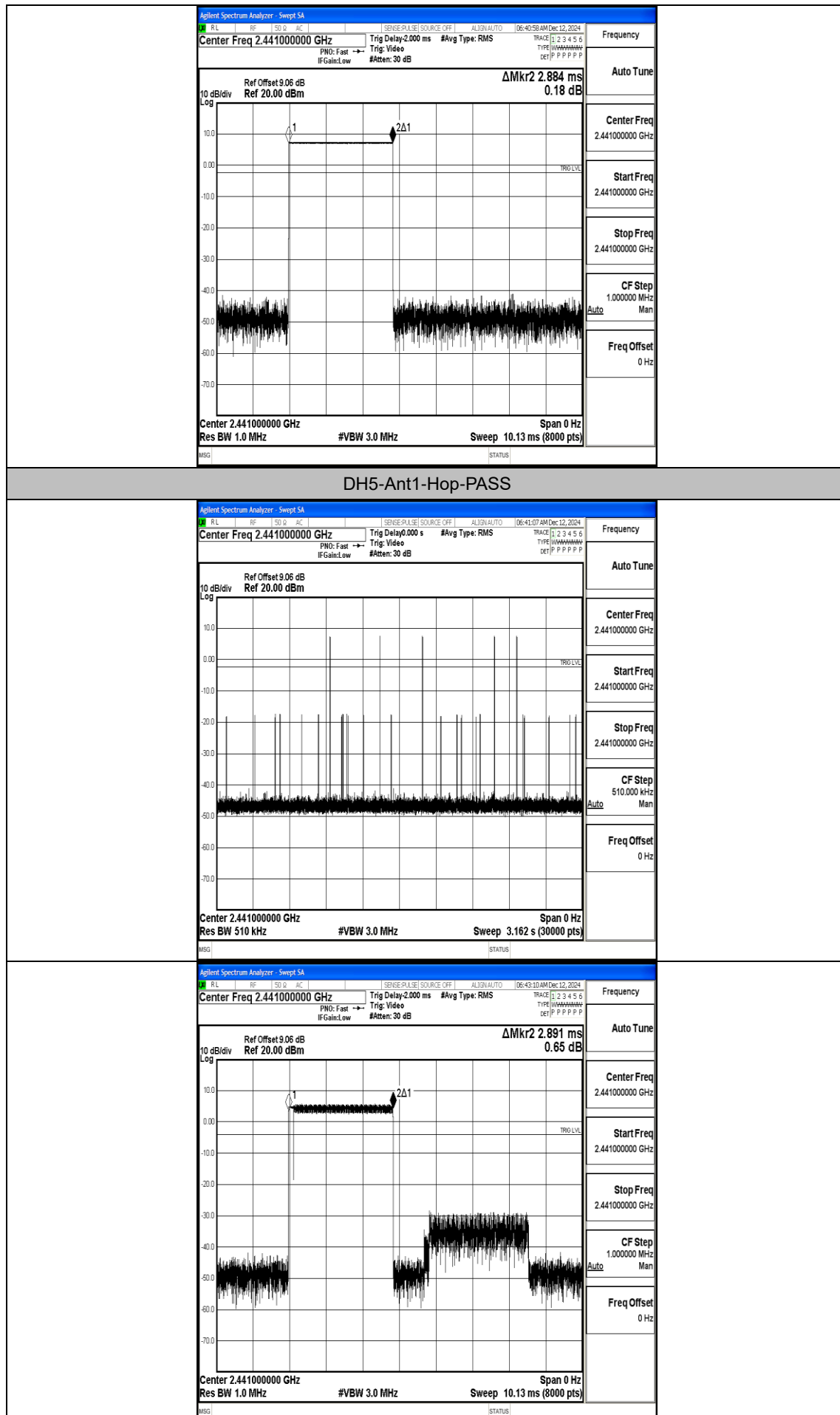


Appendix E: Time of occupancy

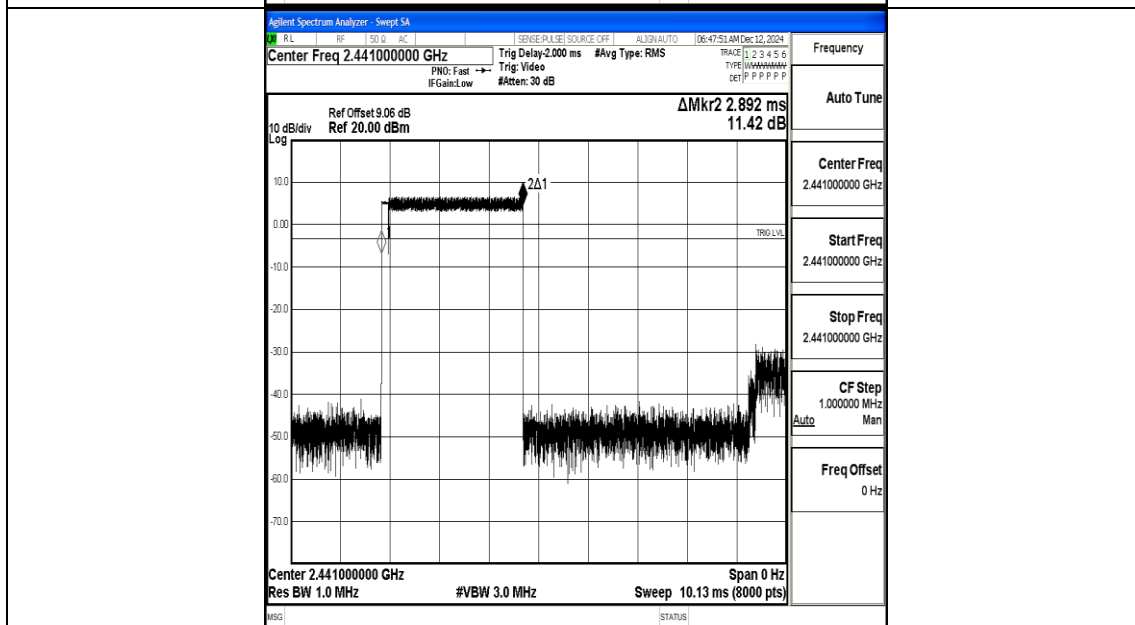
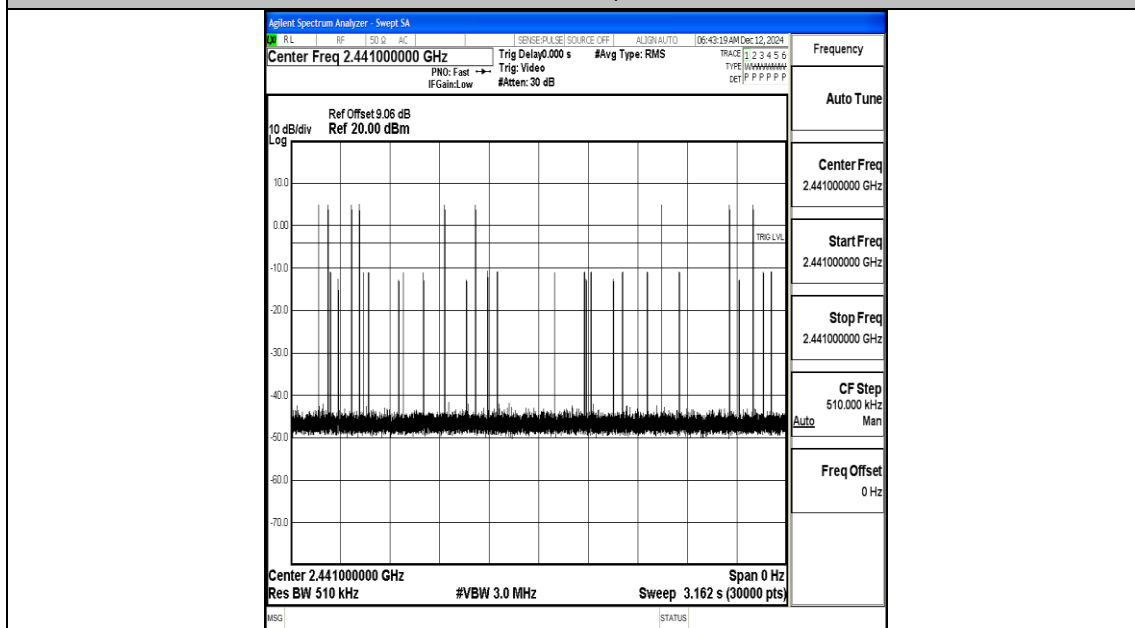
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.884	60	0.173	≤0.4	PASS
2DH5	Ant1	Hop	2.891	100	0.289	≤0.4	PASS
3DH5	Ant1	Hop	2.892	70	0.202	≤0.4	PASS

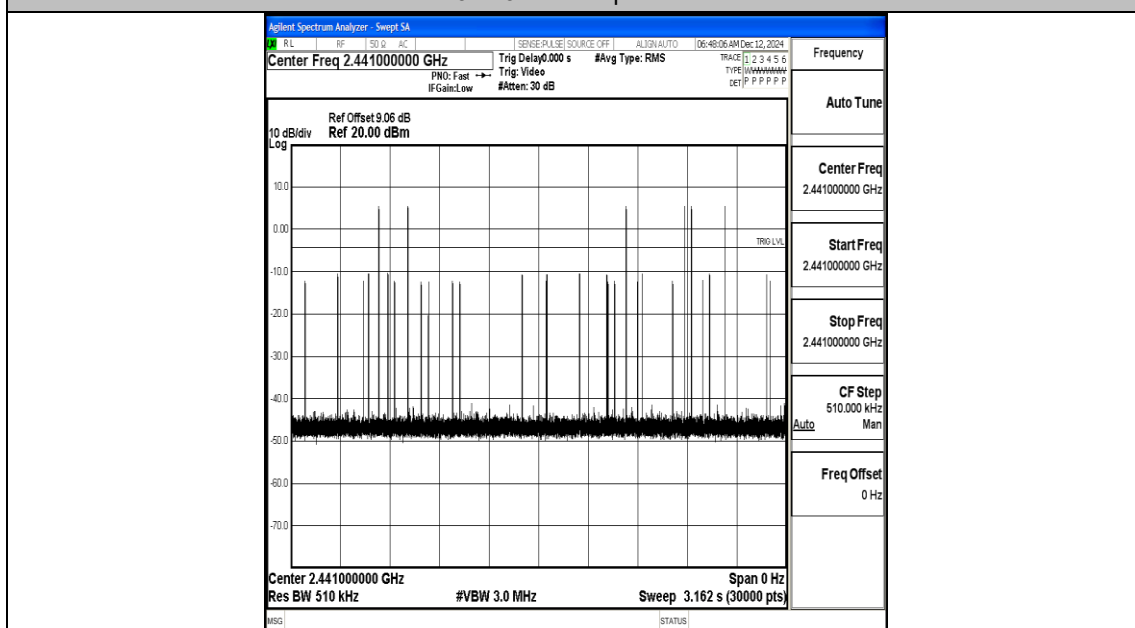
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

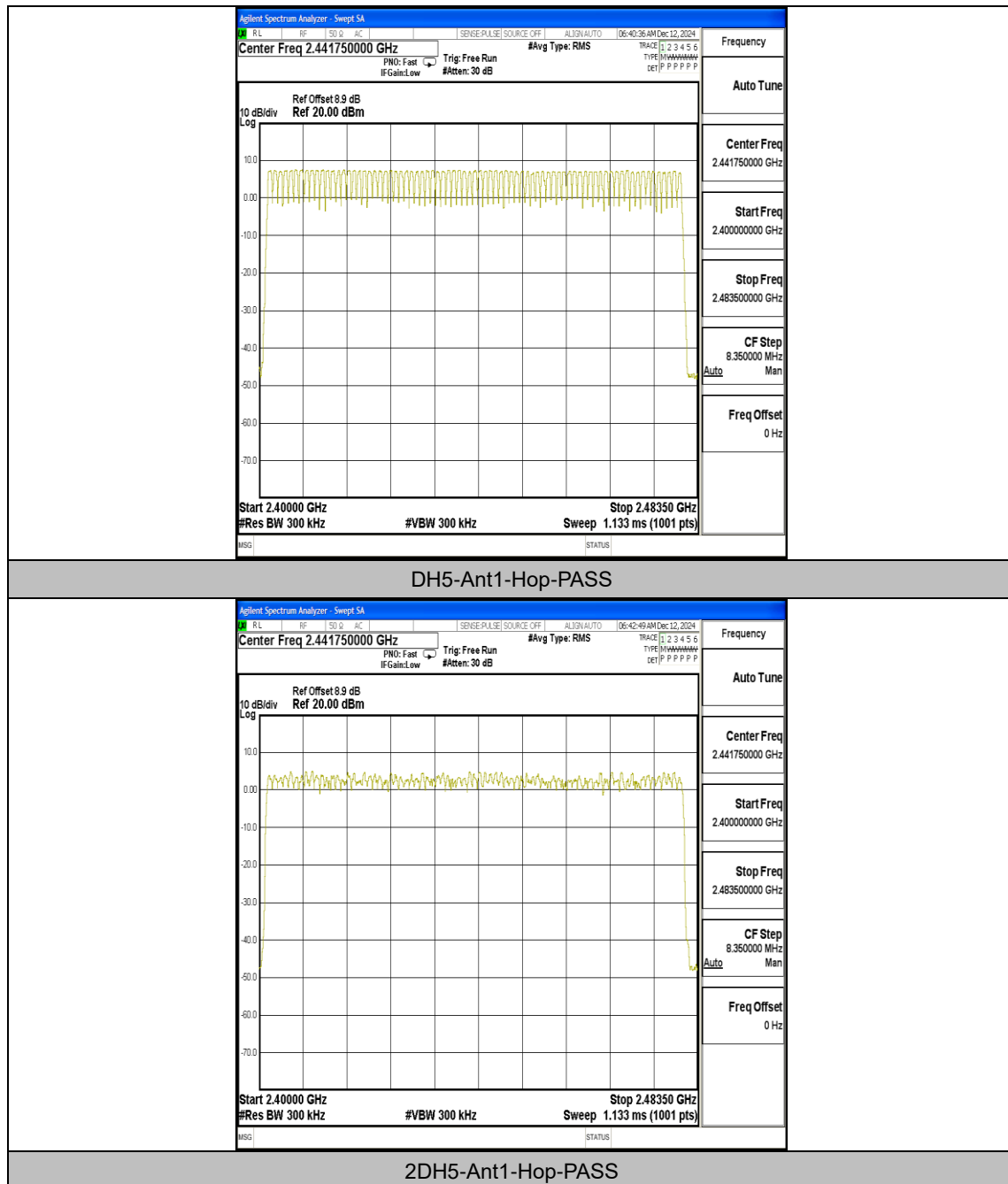


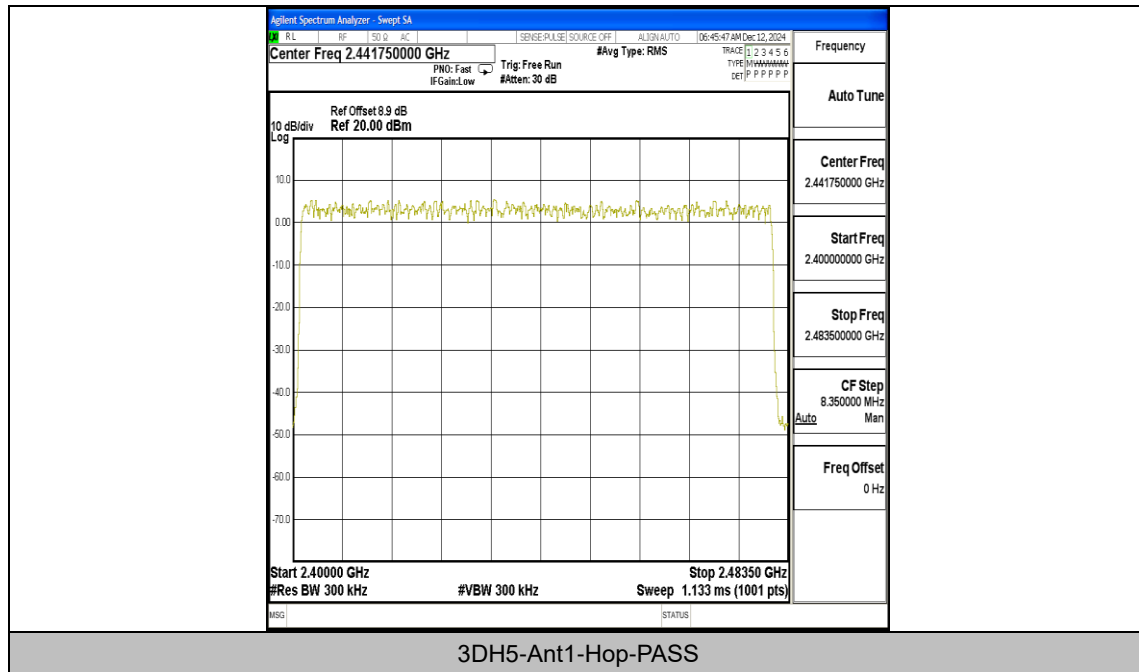
Appendix F: Number of hopping channels

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



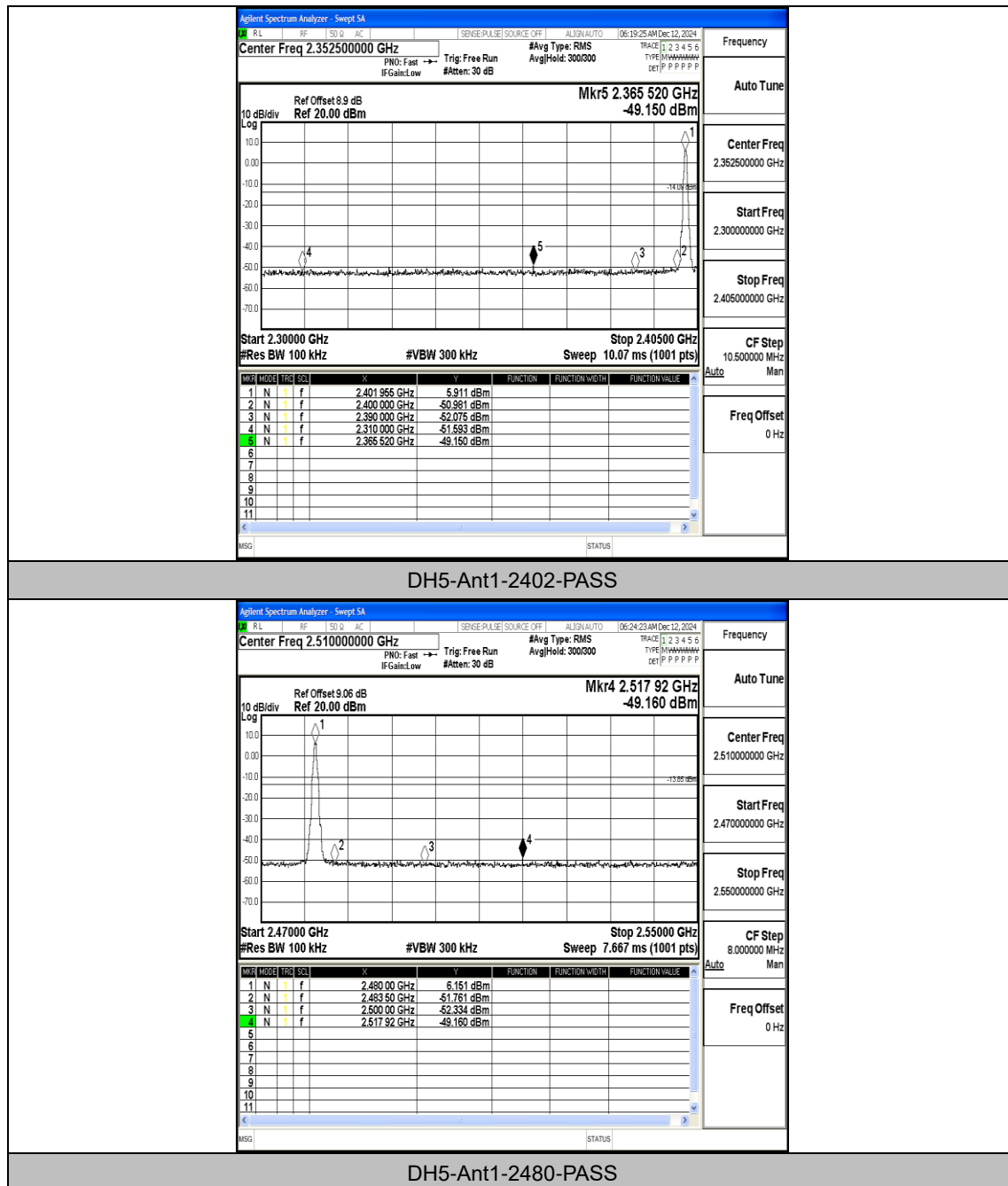


Appendix G: Band edge measurements

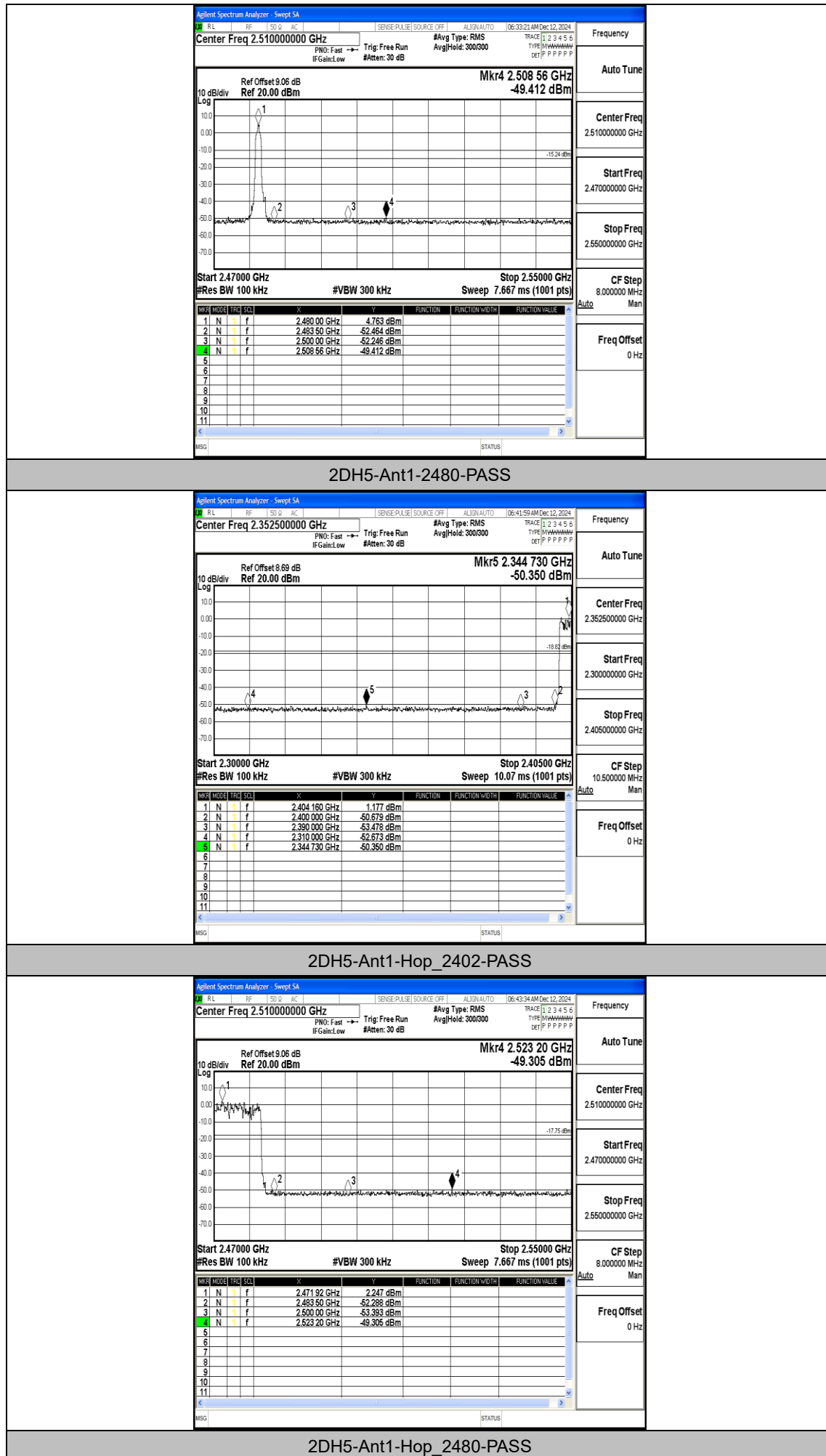
Test Result

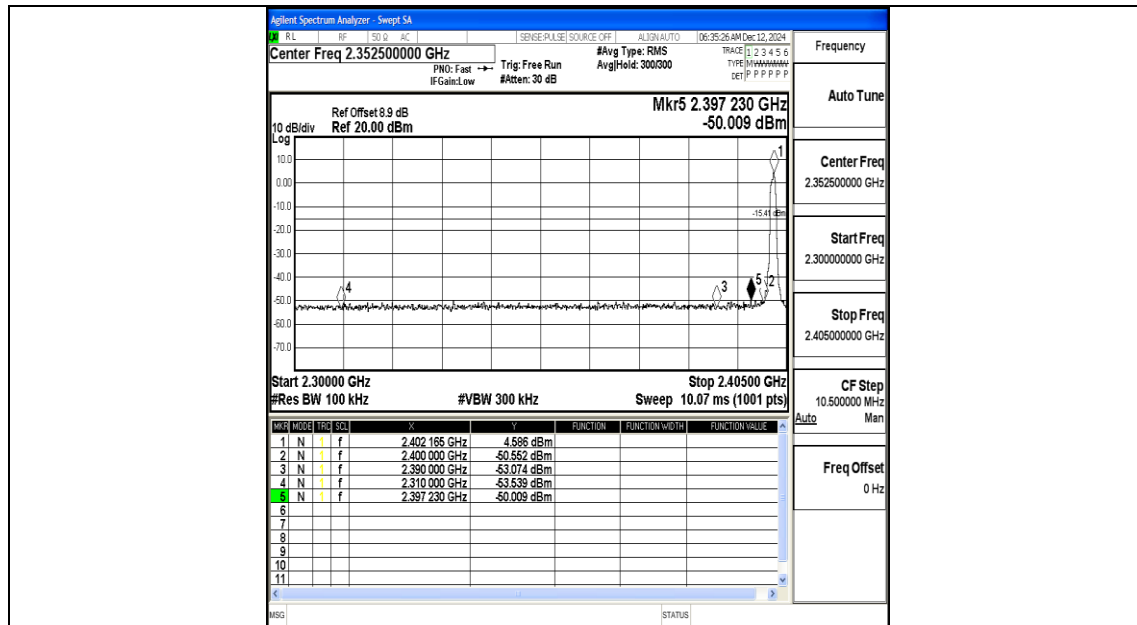
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.91	-49.15	≤-14.09	PASS
DH5	Ant1	High	2480	6.15	-49.16	≤-13.85	PASS
DH5	Ant1	Low	Hop_2402	6.51	-49.45	≤-13.49	PASS
DH5	Ant1	High	Hop_2480	6.59	-49.41	≤-13.41	PASS
2DH5	Ant1	Low	2402	3.89	-49.68	≤-16.11	PASS
2DH5	Ant1	High	2480	4.76	-49.41	≤-15.24	PASS
2DH5	Ant1	Low	Hop_2402	1.18	-50.35	≤-18.82	PASS
2DH5	Ant1	High	Hop_2480	2.25	-49.31	≤-17.75	PASS
3DH5	Ant1	Low	2402	4.59	-50.01	≤-15.41	PASS
3DH5	Ant1	High	2480	4.74	-48.68	≤-15.26	PASS
3DH5	Ant1	Low	Hop_2402	1.98	-50.26	≤-18.02	PASS
3DH5	Ant1	High	Hop_2480	3.43	-49.1	≤-16.57	PASS

Test Graphs

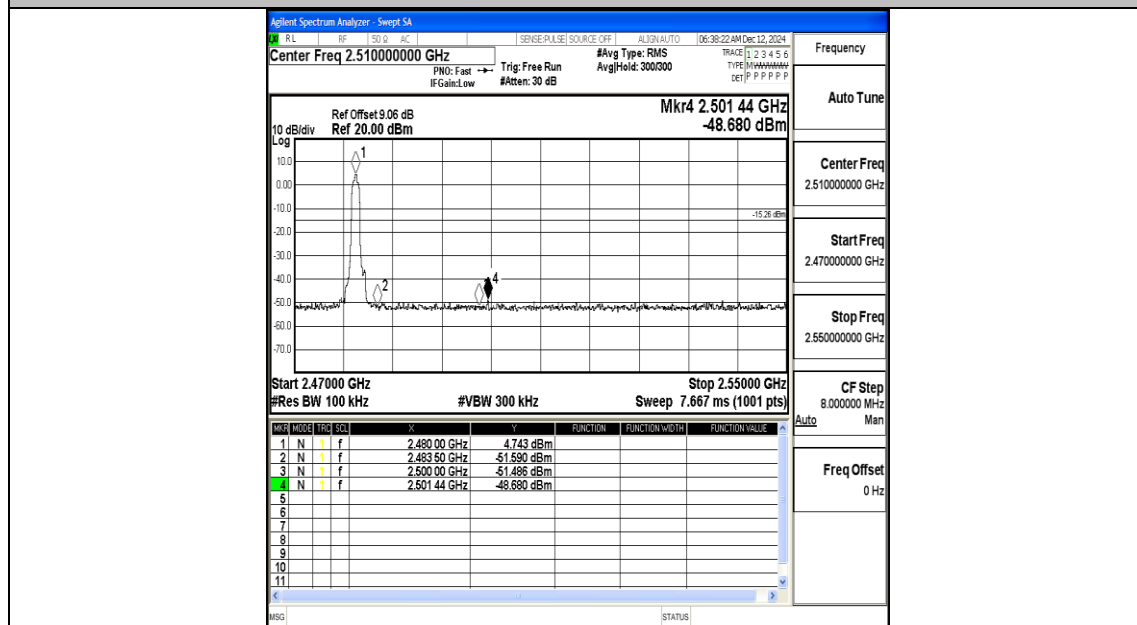




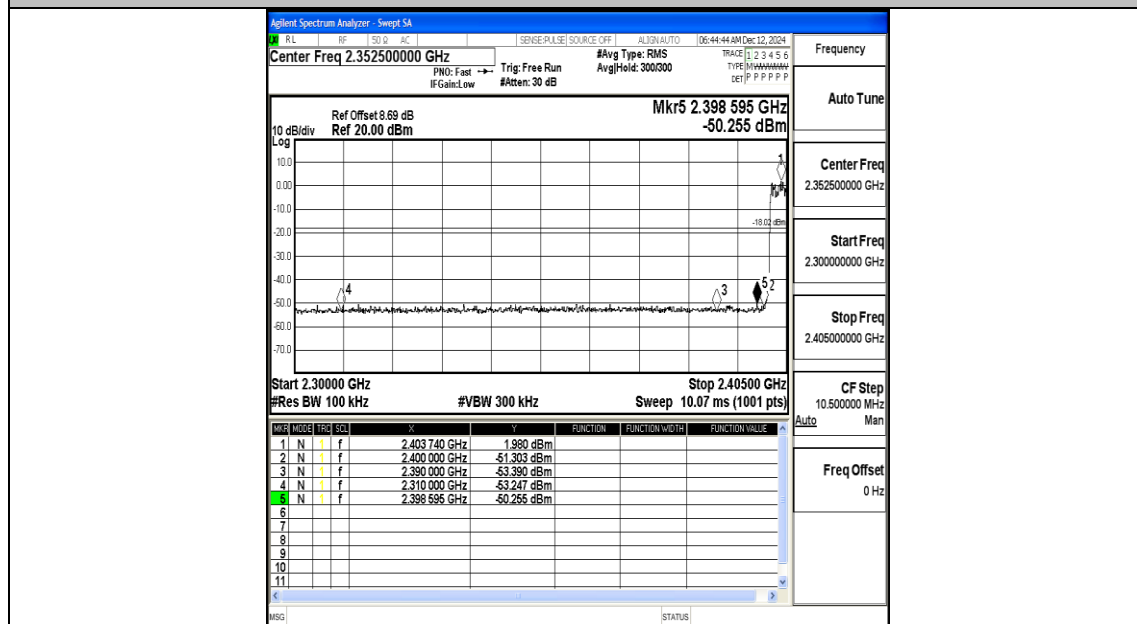




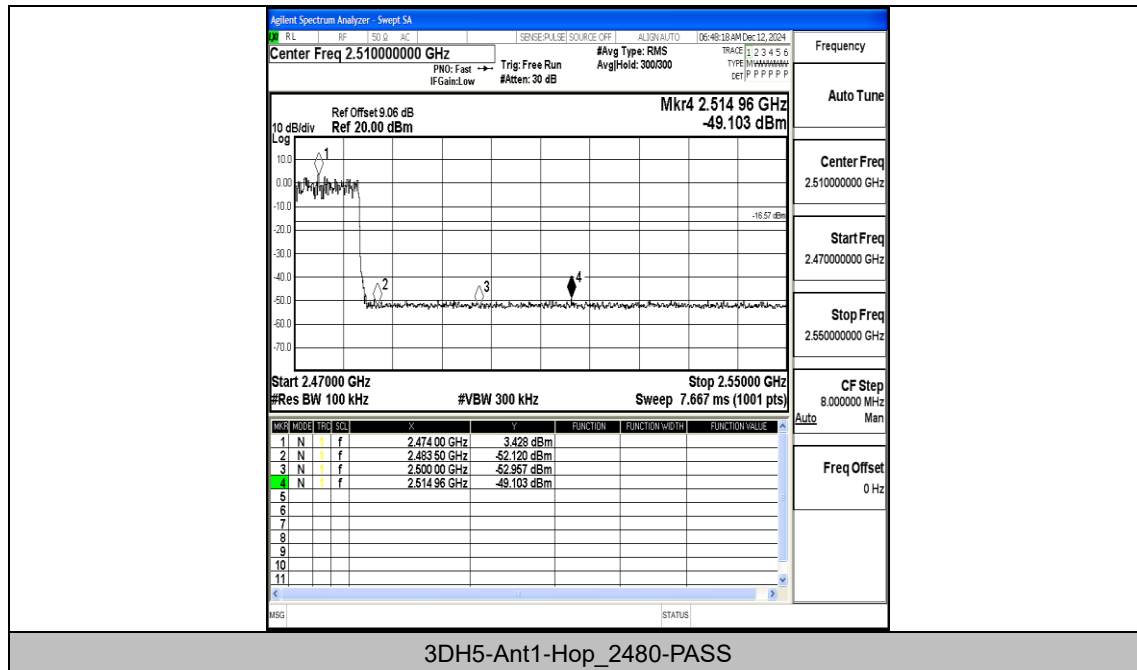
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

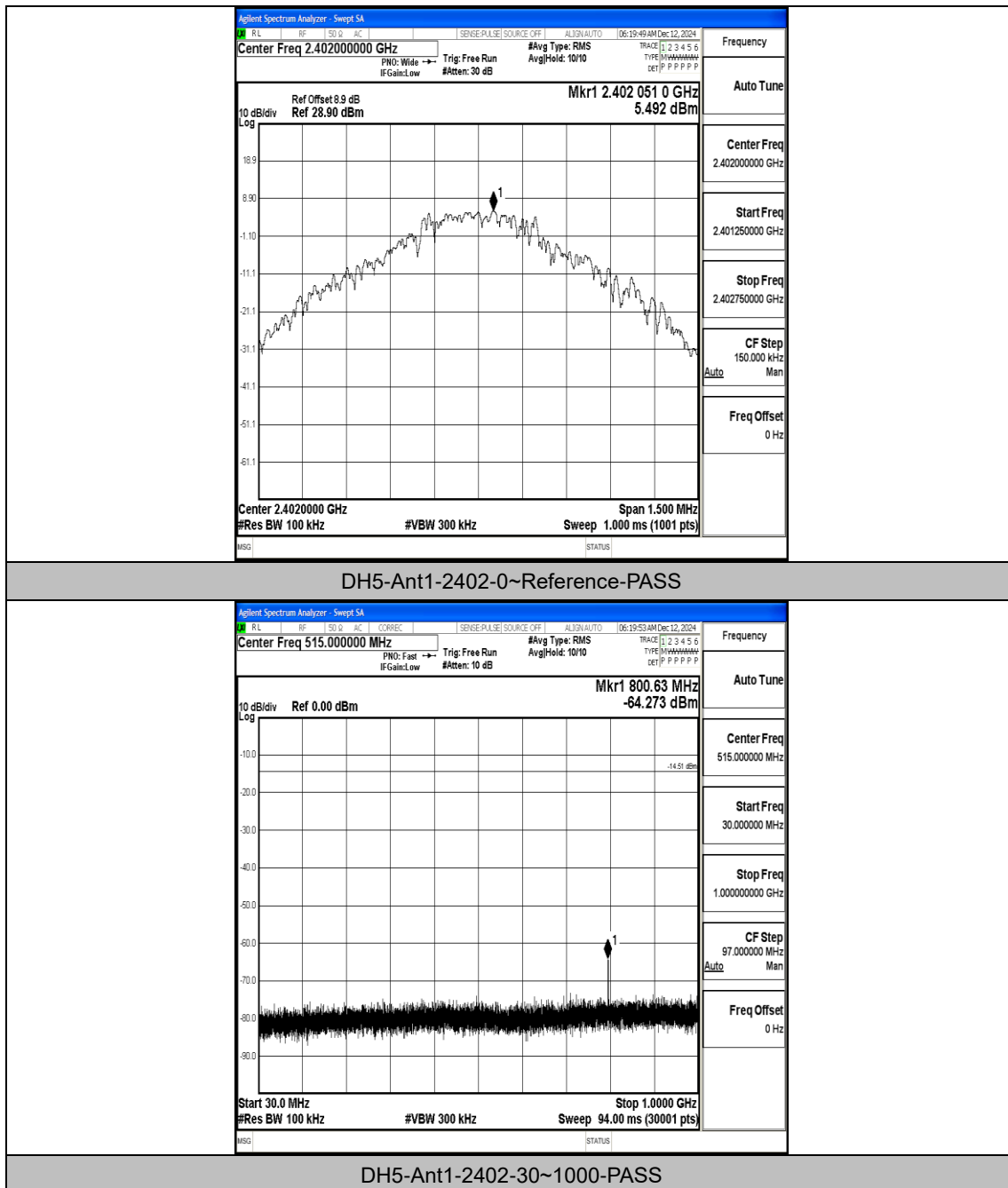


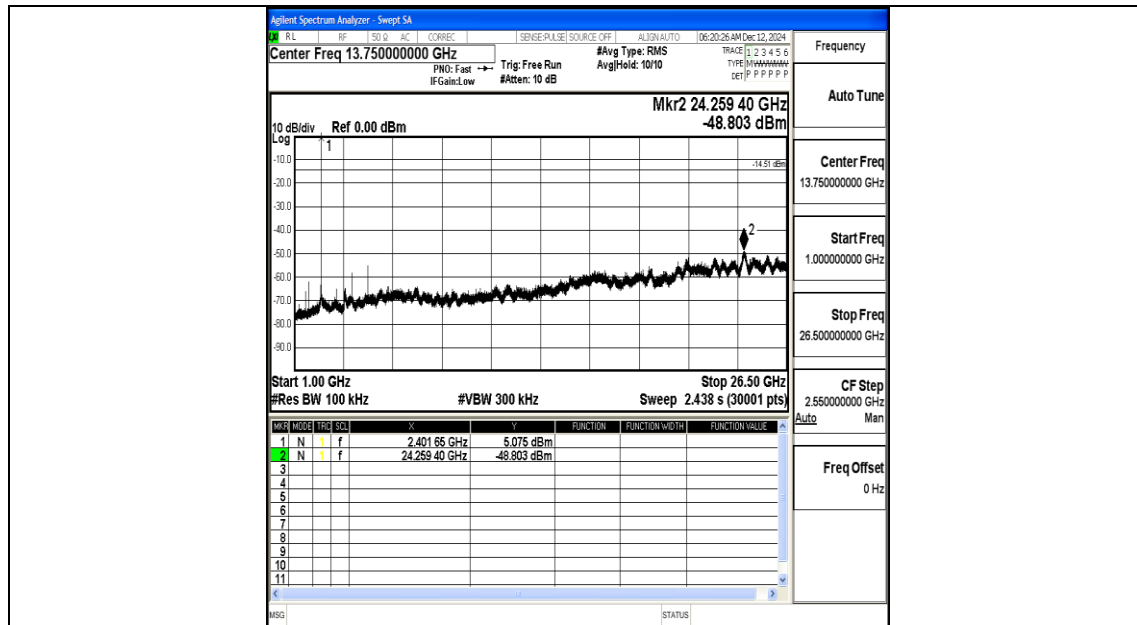
Appendix H: Conducted Spurious Emission

Test Result

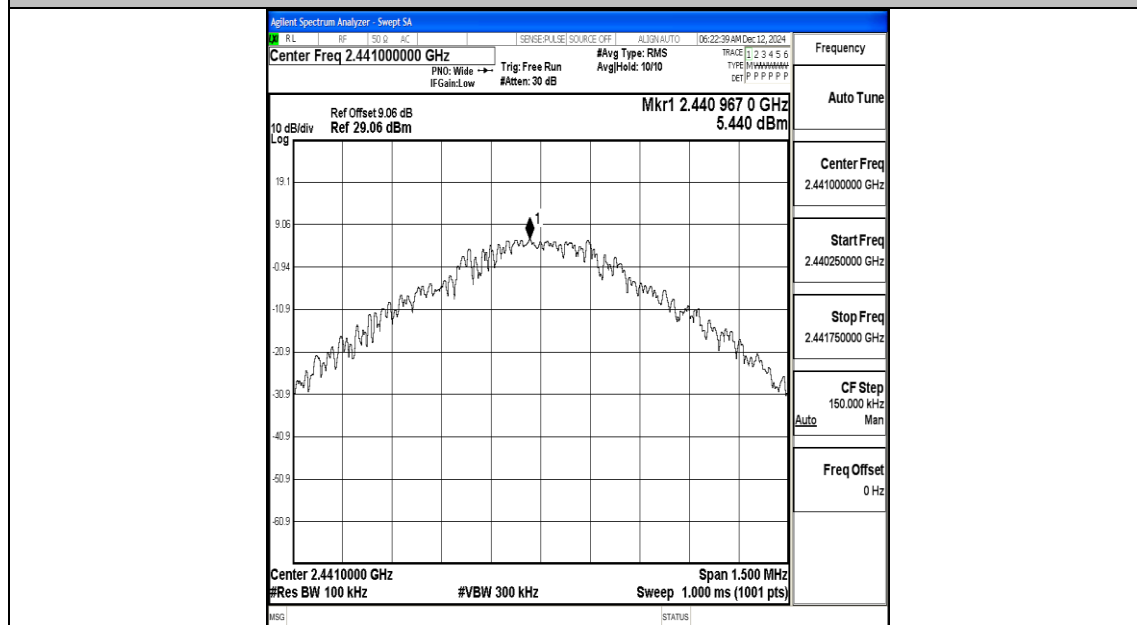
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	5.49	5.49	---	PASS
DH5	Ant1	2402	30~1000	5.49	-64.27	≤-14.51	PASS
DH5	Ant1	2402	1000~26500	5.49	-48.8	≤-14.51	PASS
DH5	Ant1	2441	0~Reference	5.44	5.44	---	PASS
DH5	Ant1	2441	30~1000	5.44	-60.59	≤-14.56	PASS
DH5	Ant1	2441	1000~26500	5.44	-47.9	≤-14.56	PASS
DH5	Ant1	2480	0~Reference	5.35	5.35	---	PASS
DH5	Ant1	2480	30~1000	5.35	-58.84	≤-14.65	PASS
DH5	Ant1	2480	1000~26500	5.35	-48.54	≤-14.65	PASS
2DH5	Ant1	2402	0~Reference	0.54	0.54	---	PASS
2DH5	Ant1	2402	30~1000	0.54	-66.9	≤-19.46	PASS
2DH5	Ant1	2402	1000~26500	0.54	-47.8	≤-19.46	PASS
2DH5	Ant1	2441	0~Reference	1.17	1.17	---	PASS
2DH5	Ant1	2441	30~1000	1.17	-63.54	≤-18.83	PASS
2DH5	Ant1	2441	1000~26500	1.17	-48.36	≤-18.83	PASS
2DH5	Ant1	2480	0~Reference	1.50	1.50	---	PASS
2DH5	Ant1	2480	30~1000	1.50	-61.5	≤-18.5	PASS
2DH5	Ant1	2480	1000~26500	1.50	-47.98	≤-18.5	PASS
3DH5	Ant1	2402	0~Reference	3.36	3.36	---	PASS
3DH5	Ant1	2402	30~1000	3.36	-68.11	≤-16.64	PASS
3DH5	Ant1	2402	1000~26500	3.36	-47.97	≤-16.64	PASS
3DH5	Ant1	2441	0~Reference	2.38	2.38	---	PASS
3DH5	Ant1	2441	30~1000	2.38	-60.46	≤-17.62	PASS
3DH5	Ant1	2441	1000~26500	2.38	-48.58	≤-17.62	PASS
3DH5	Ant1	2480	0~Reference	4.88	4.88	---	PASS
3DH5	Ant1	2480	30~1000	4.88	-61.04	≤-15.12	PASS
3DH5	Ant1	2480	1000~26500	4.88	-47.48	≤-15.12	PASS

Test Graphs

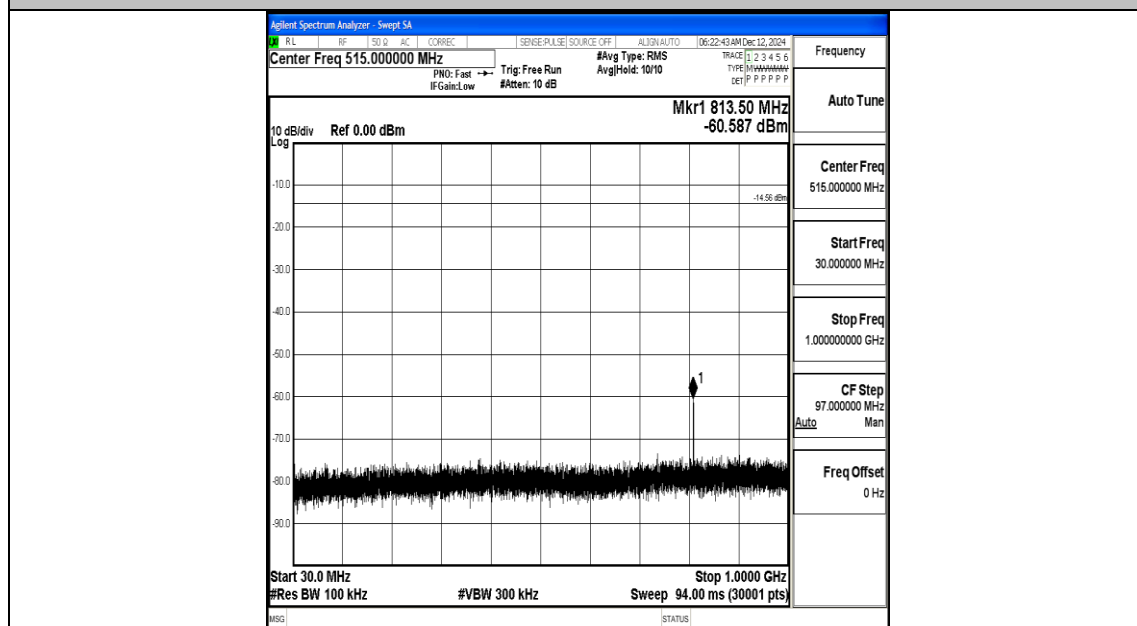




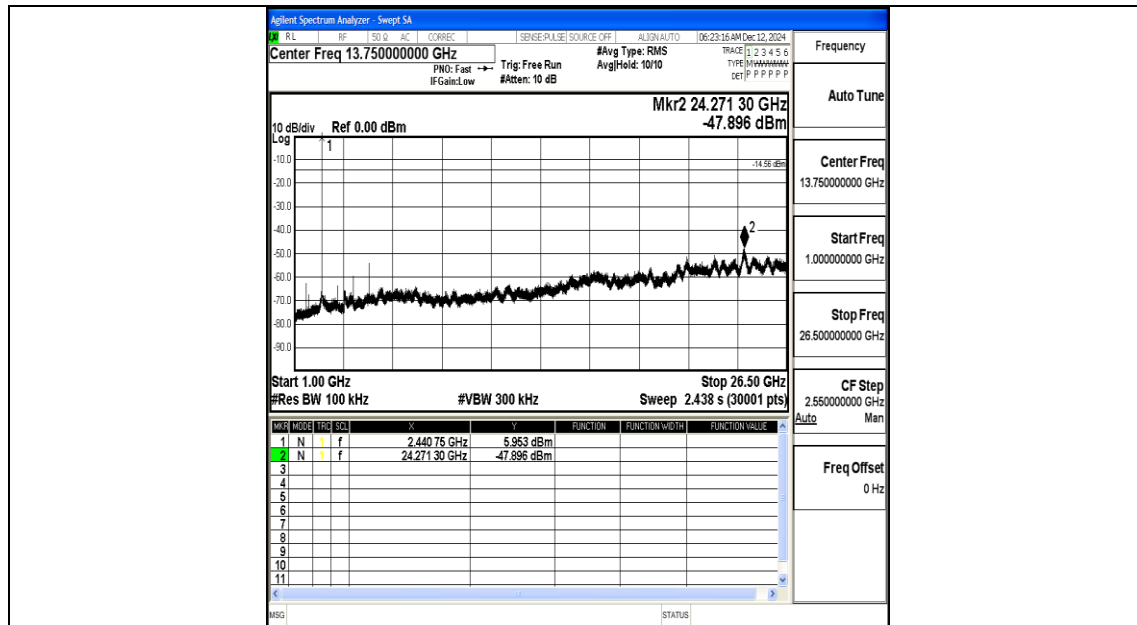
DH5-Ant1-2402-1000~26500-PASS



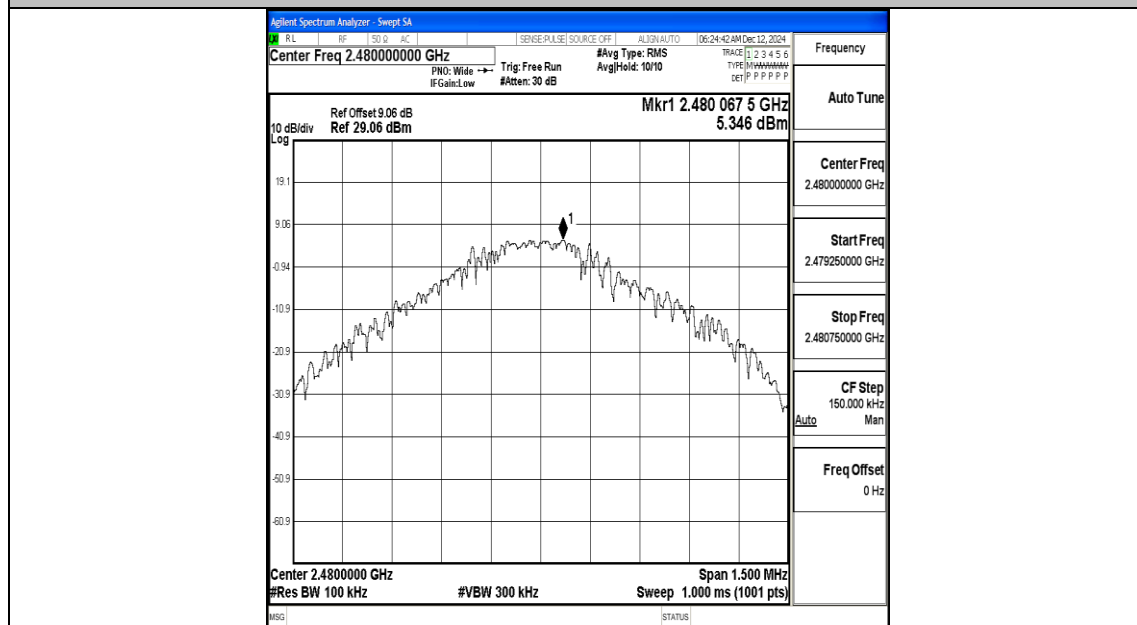
DH5-Ant1-2441-0~Reference-PASS



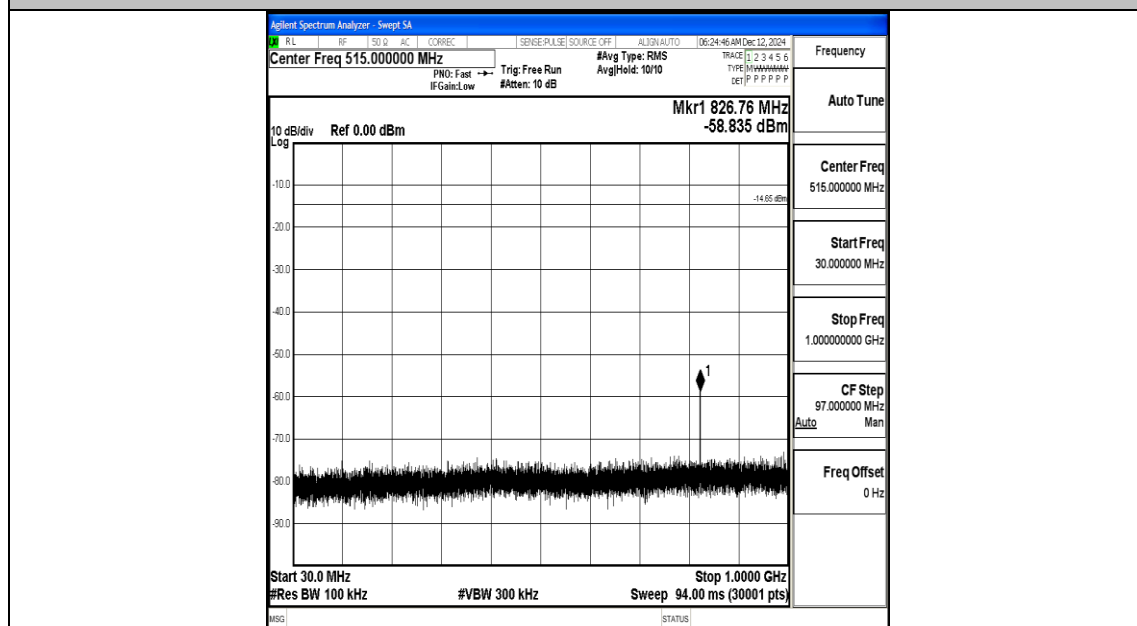
DH5-Ant1-2441-30~1000-PASS



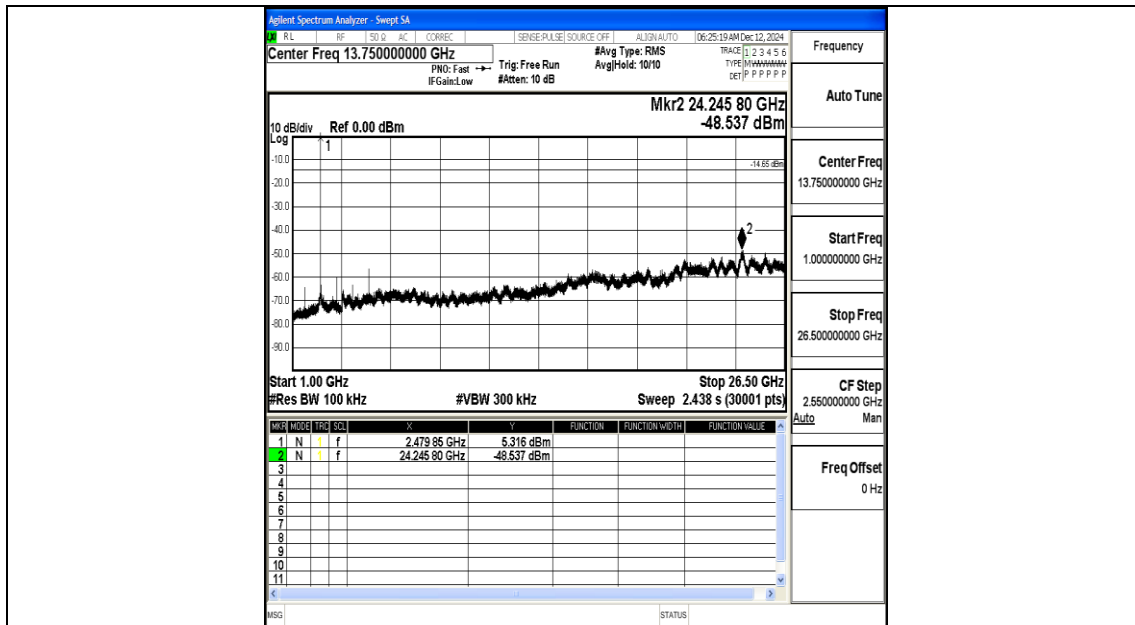
DH5-Ant1-2441-1000~26500-PASS



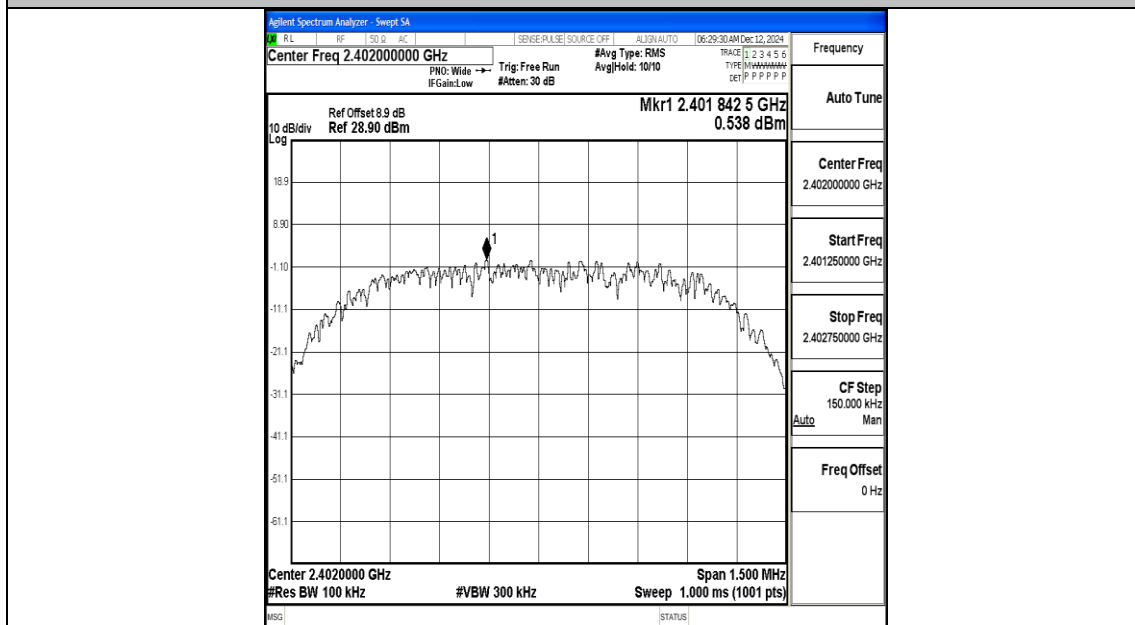
DH5-Ant1-2480-0~Reference-PASS



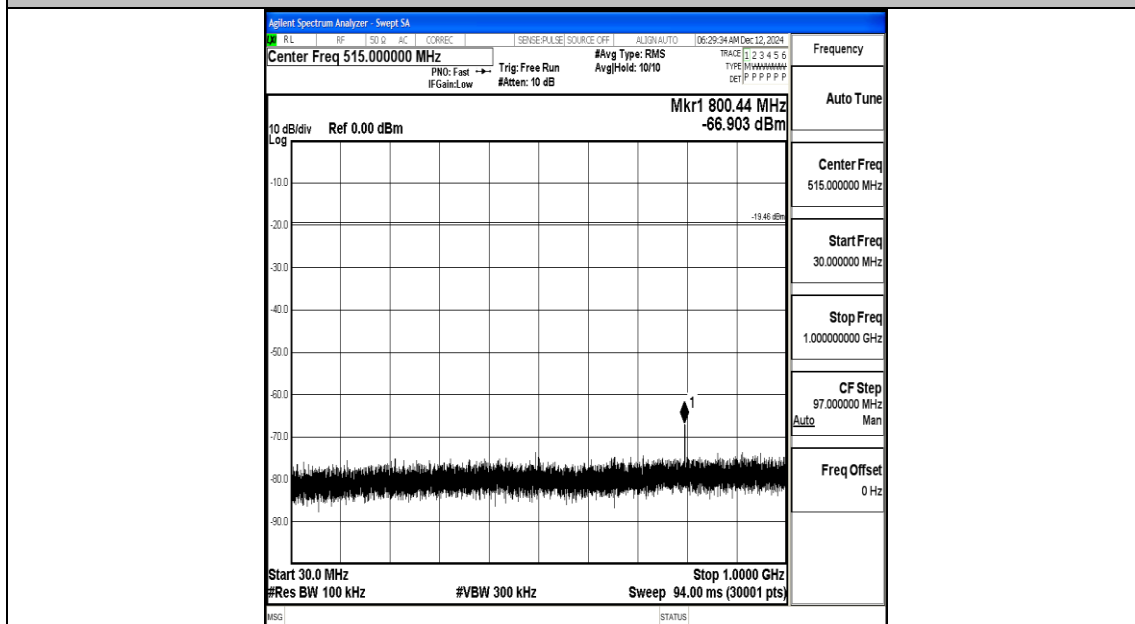
DH5-Ant1-2480-30~1000-PASS



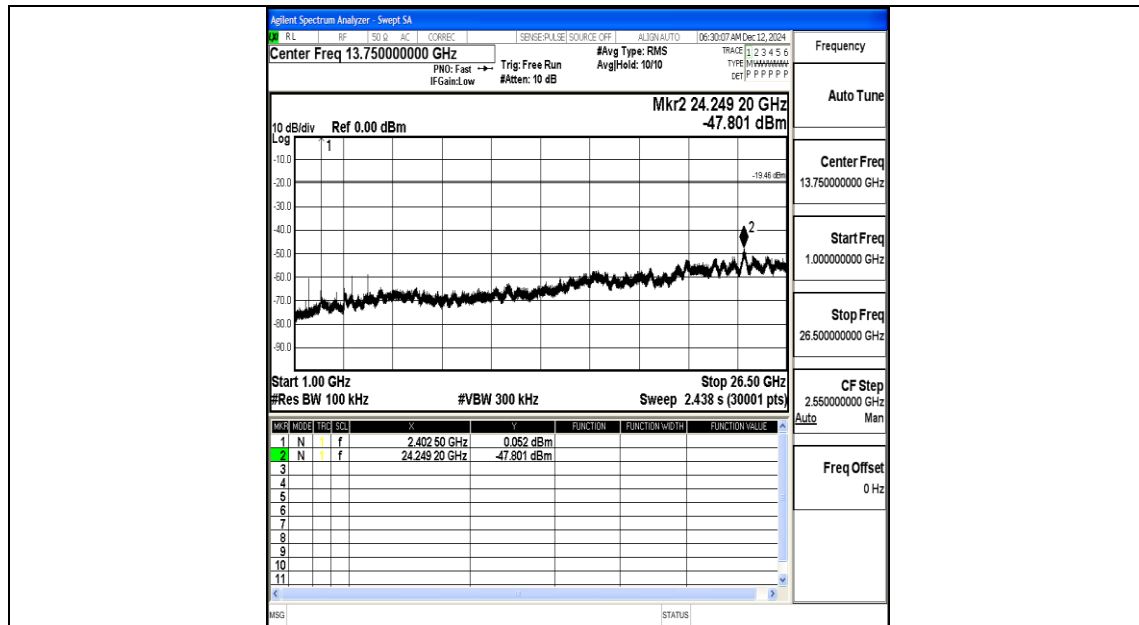
DH5-Ant1-2480-1000~26500-PASS



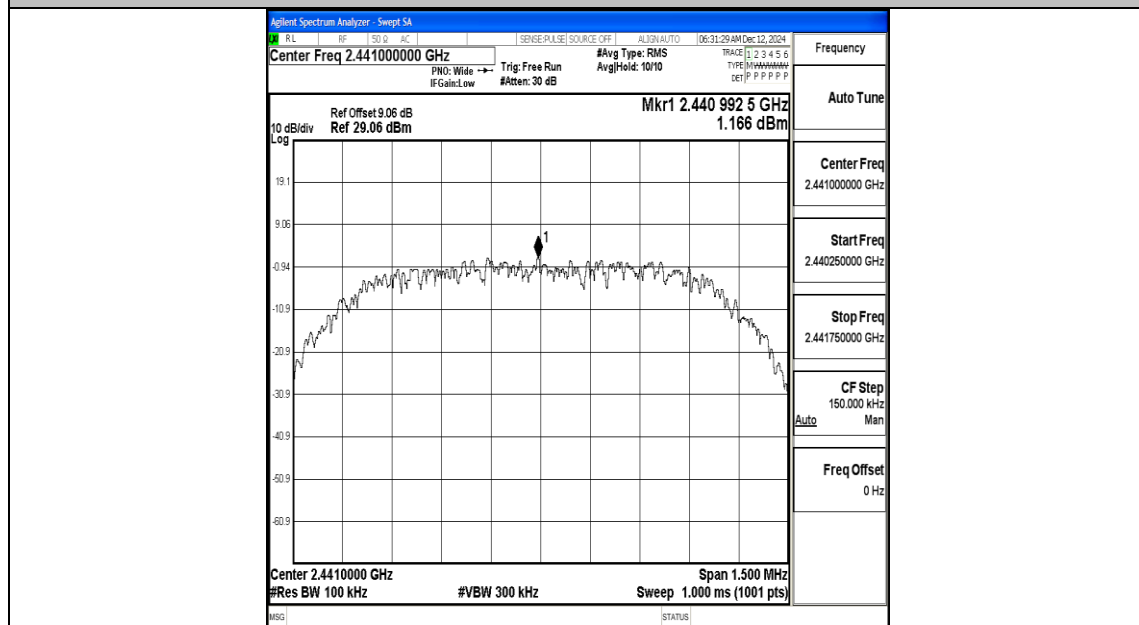
2DH5-Ant1-2402-0~Reference-PASS



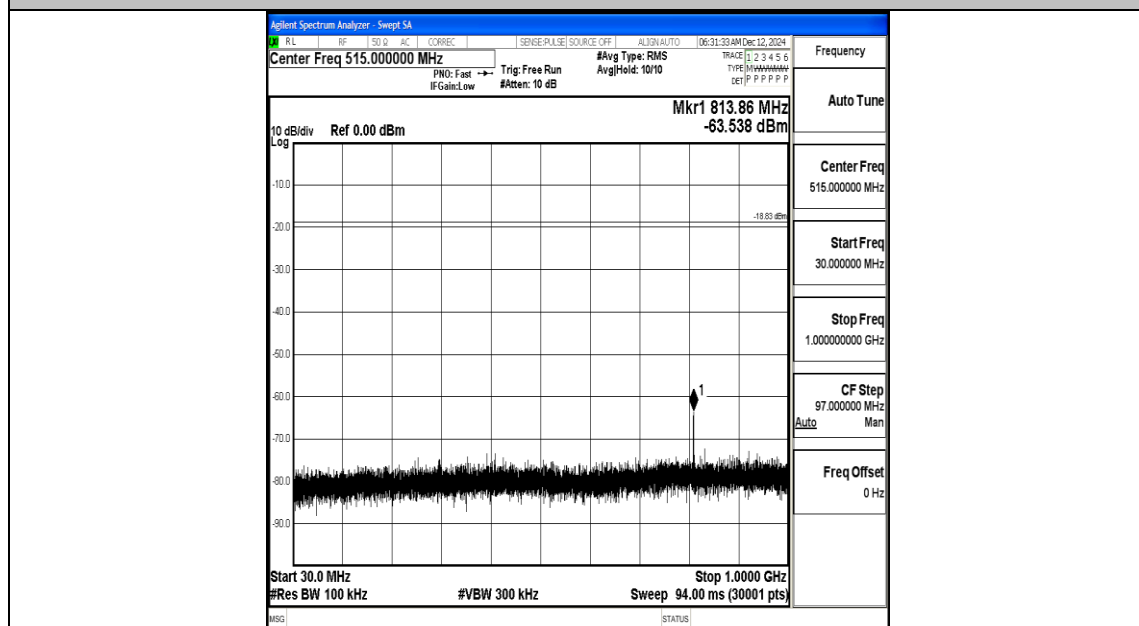
2DH5-Ant1-2402-30~1000-PASS



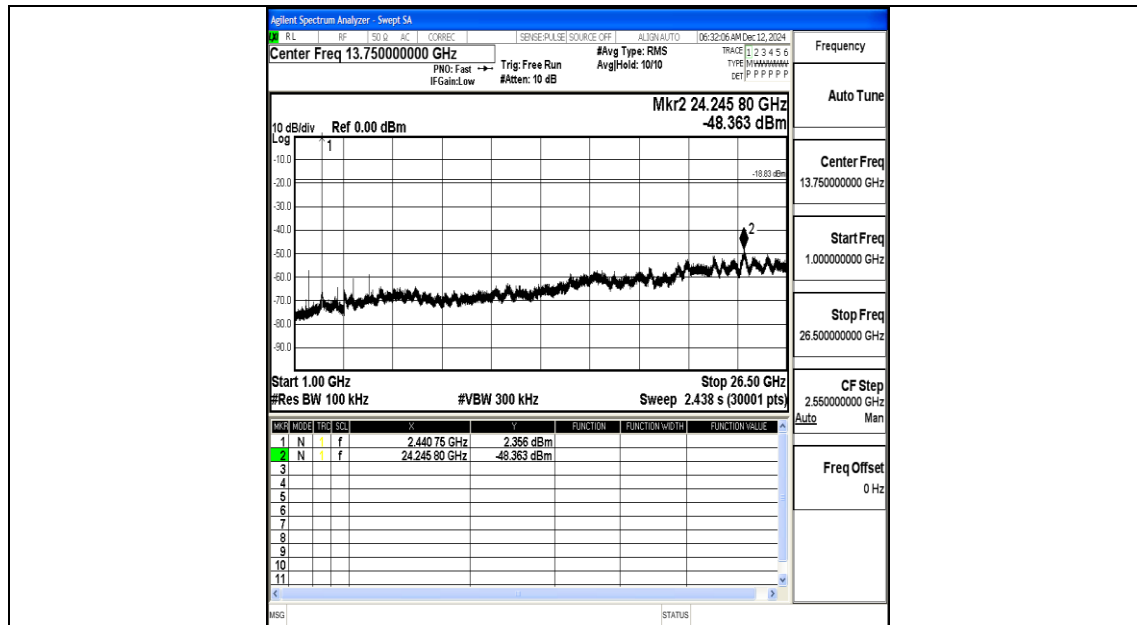
2DH5-Ant1-2402-1000~26500-PASS



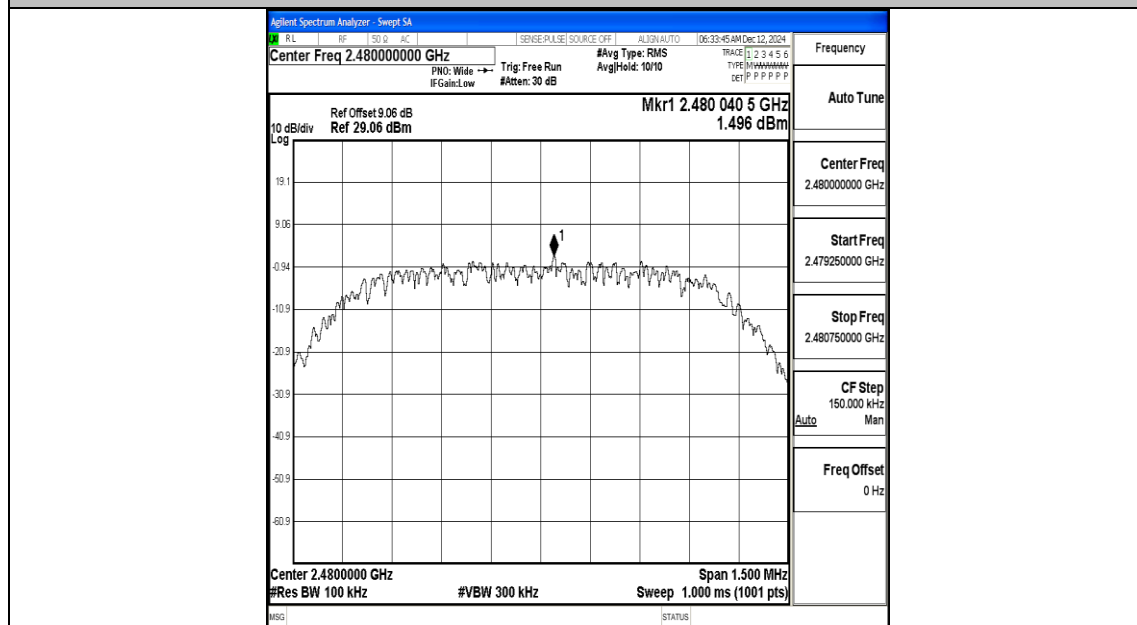
2DH5-Ant1-2441-0~Reference-PASS



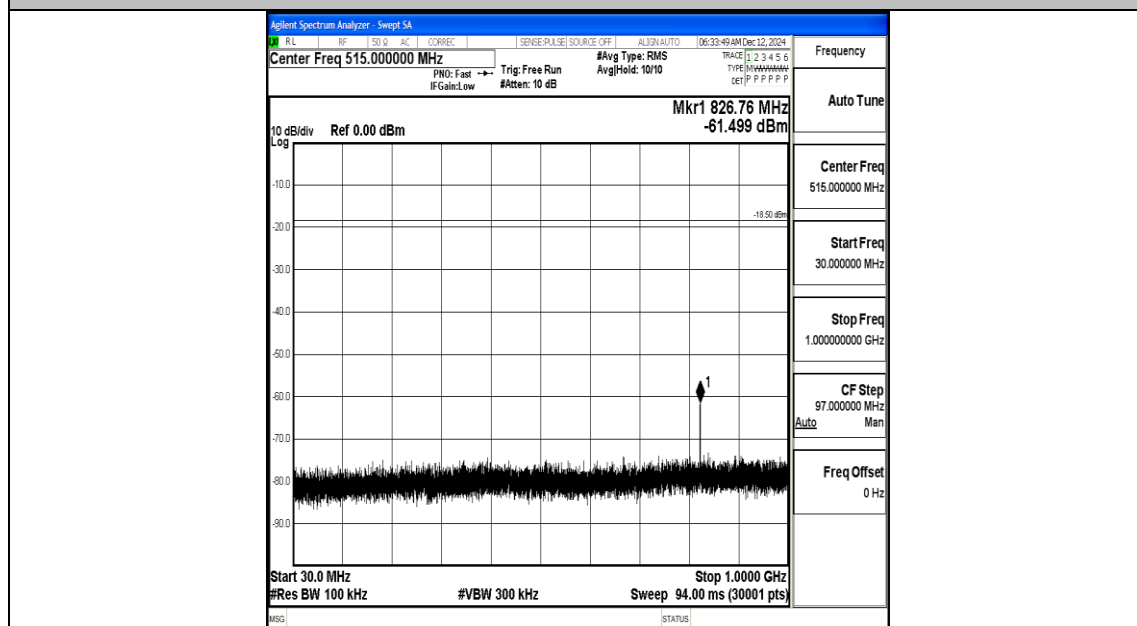
2DH5-Ant1-2441-30~1000-PASS



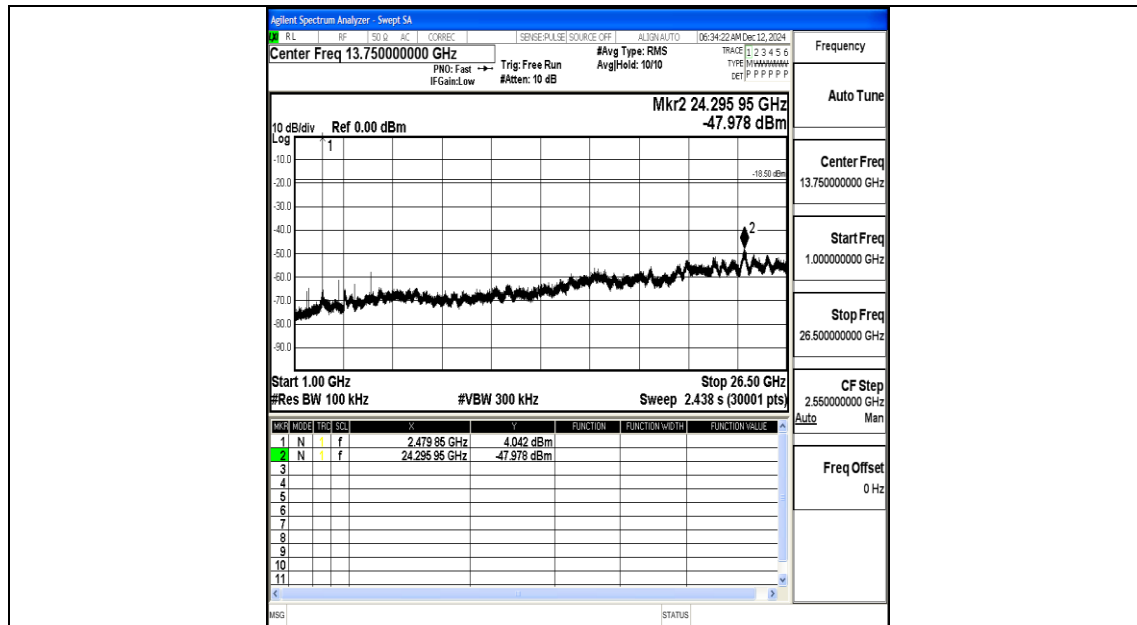
2DH5-Ant1-2441-1000~26500-PASS



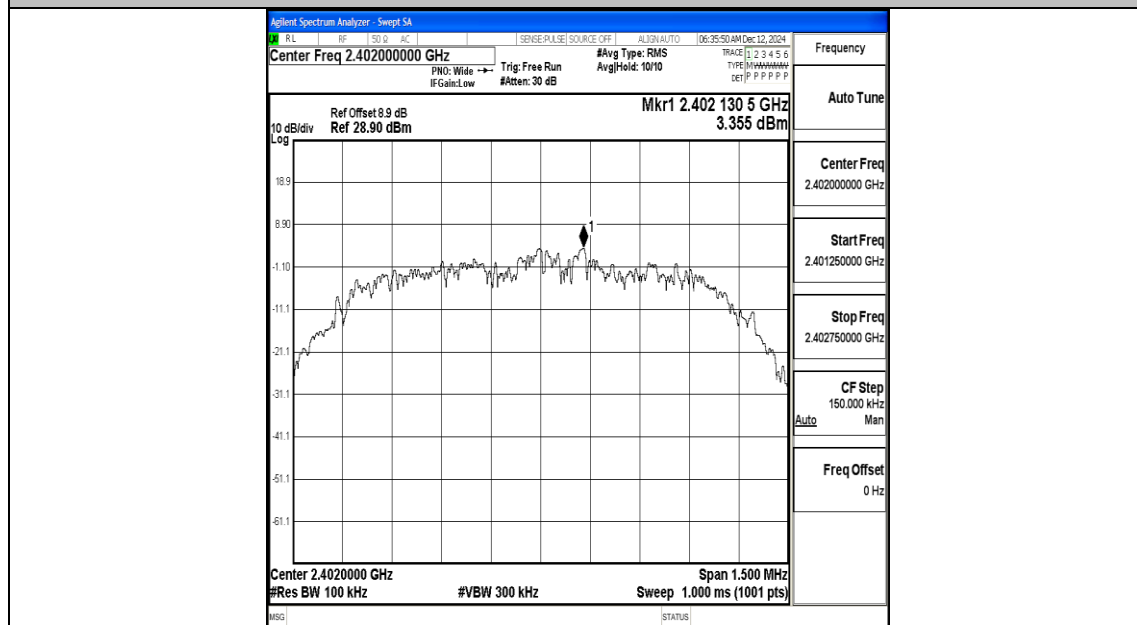
2DH5-Ant1-2480-0~Reference-PASS



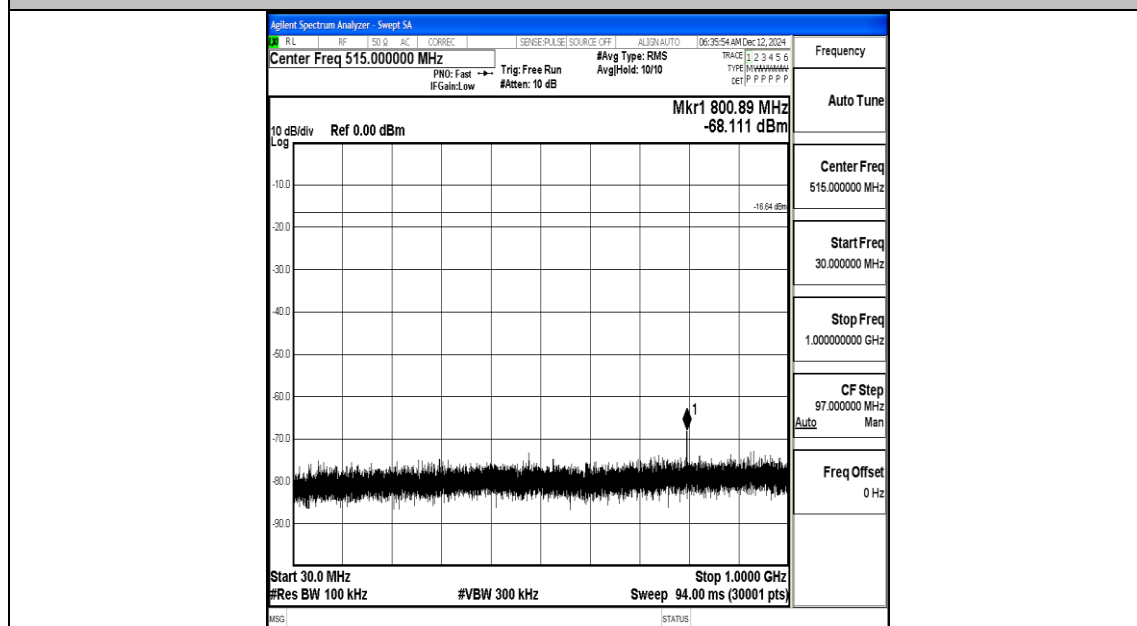
2DH5-Ant1-2480-30~1000-PASS



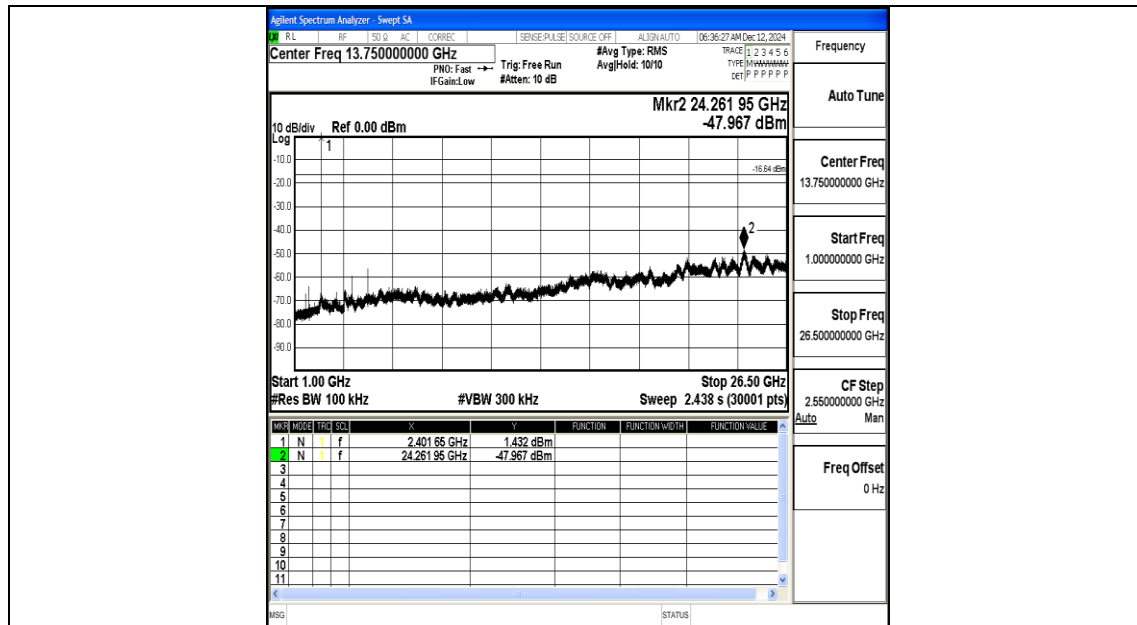
2DH5-Ant1-2480-1000~26500-PASS



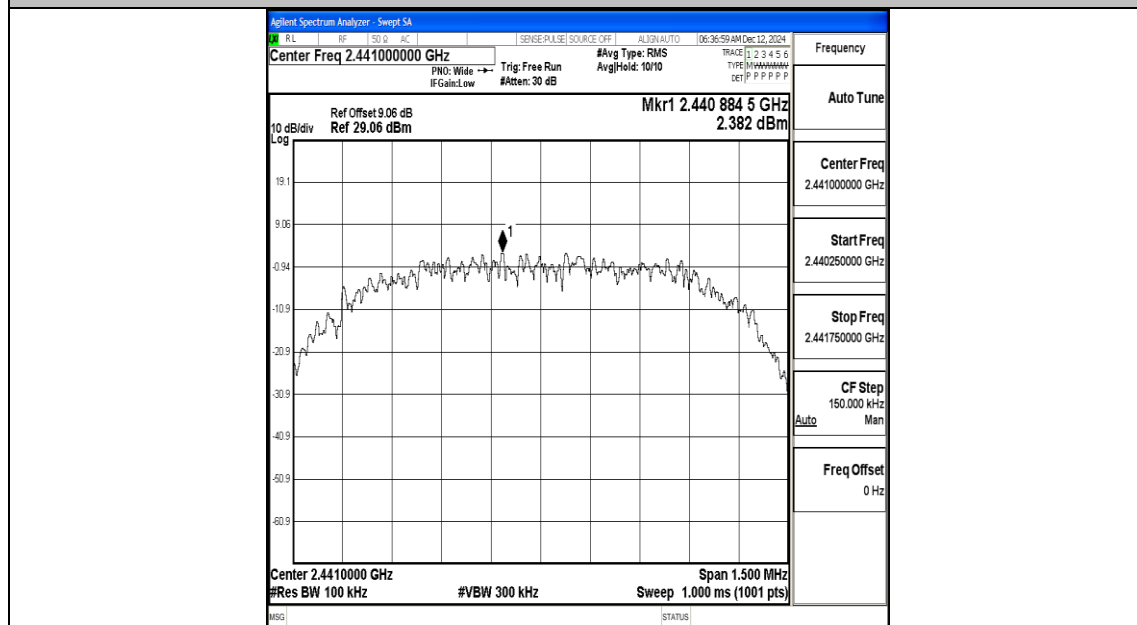
3DH5-Ant1-2402-0~Reference-PASS



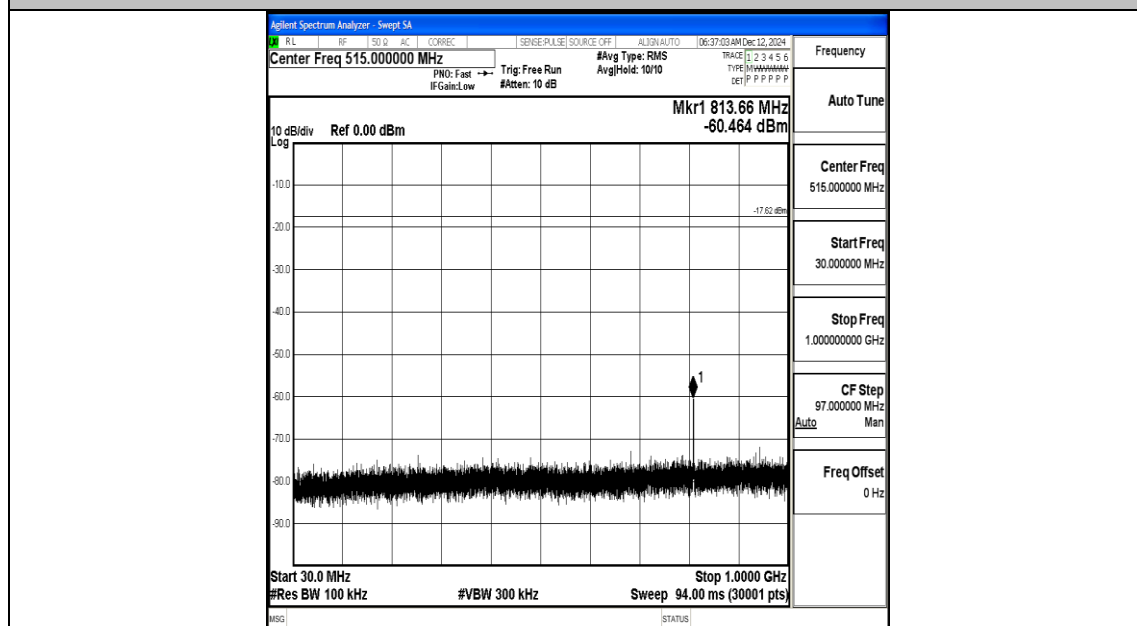
3DH5-Ant1-2402-30~1000-PASS



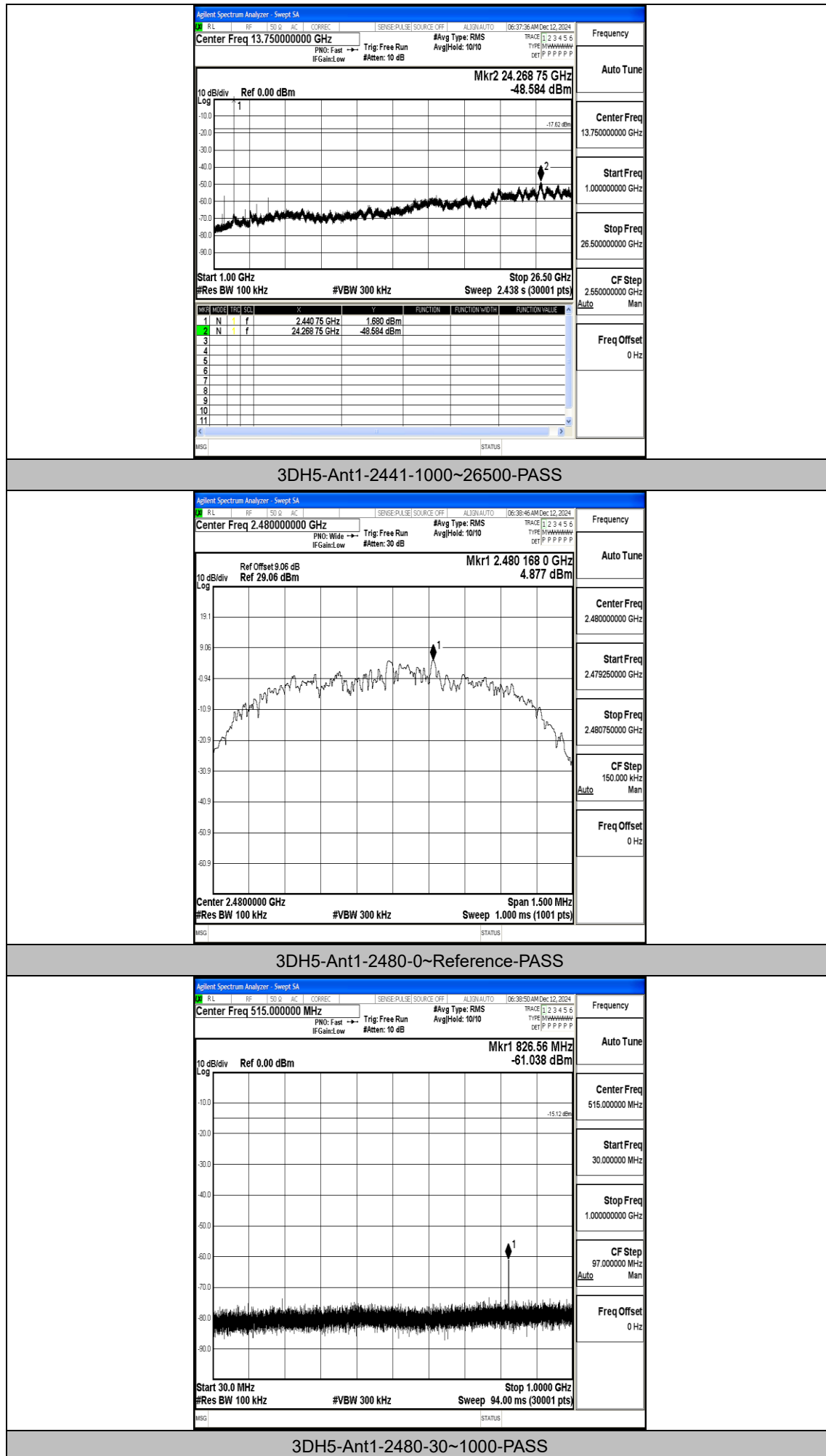
3DH5-Ant1-2402-1000~26500-PASS

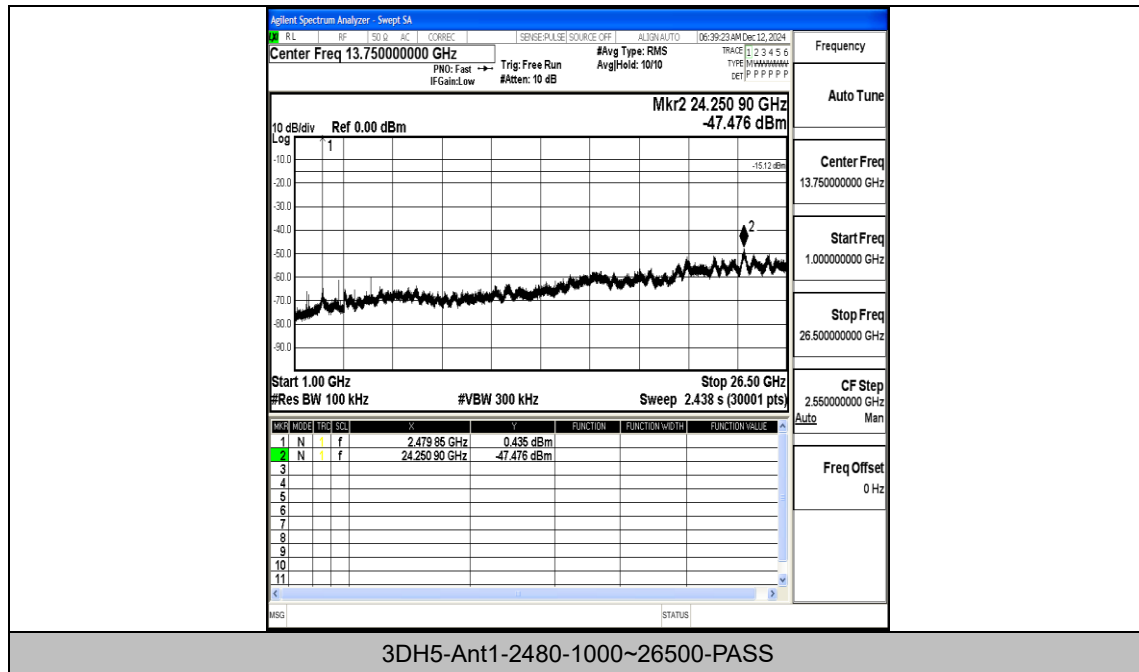


3DH5-Ant1-2441-0~Reference-PASS



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





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	27.00	27.00	100.00	0.00
DH5	Ant1	2441	27.00	27.00	100.00	0.00
DH5	Ant1	2480	27.00	27.00	100.00	0.00
2DH5	Ant1	2402	27.00	27.00	100.00	0.00
2DH5	Ant1	2441	27.00	27.00	100.00	0.00
2DH5	Ant1	2480	27.00	27.00	100.00	0.00
3DH5	Ant1	2402	27.00	27.00	100.00	0.00
3DH5	Ant1	2441	27.00	27.00	100.00	0.00
3DH5	Ant1	2480	27.00	27.00	100.00	0.00

Test Graphs

