

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

Product Name: Wireless Earbuds

Trade Mark: N/A

Test Model: AI1013

FCC ID: 2AL9B-AI1013

Environmental Conditions

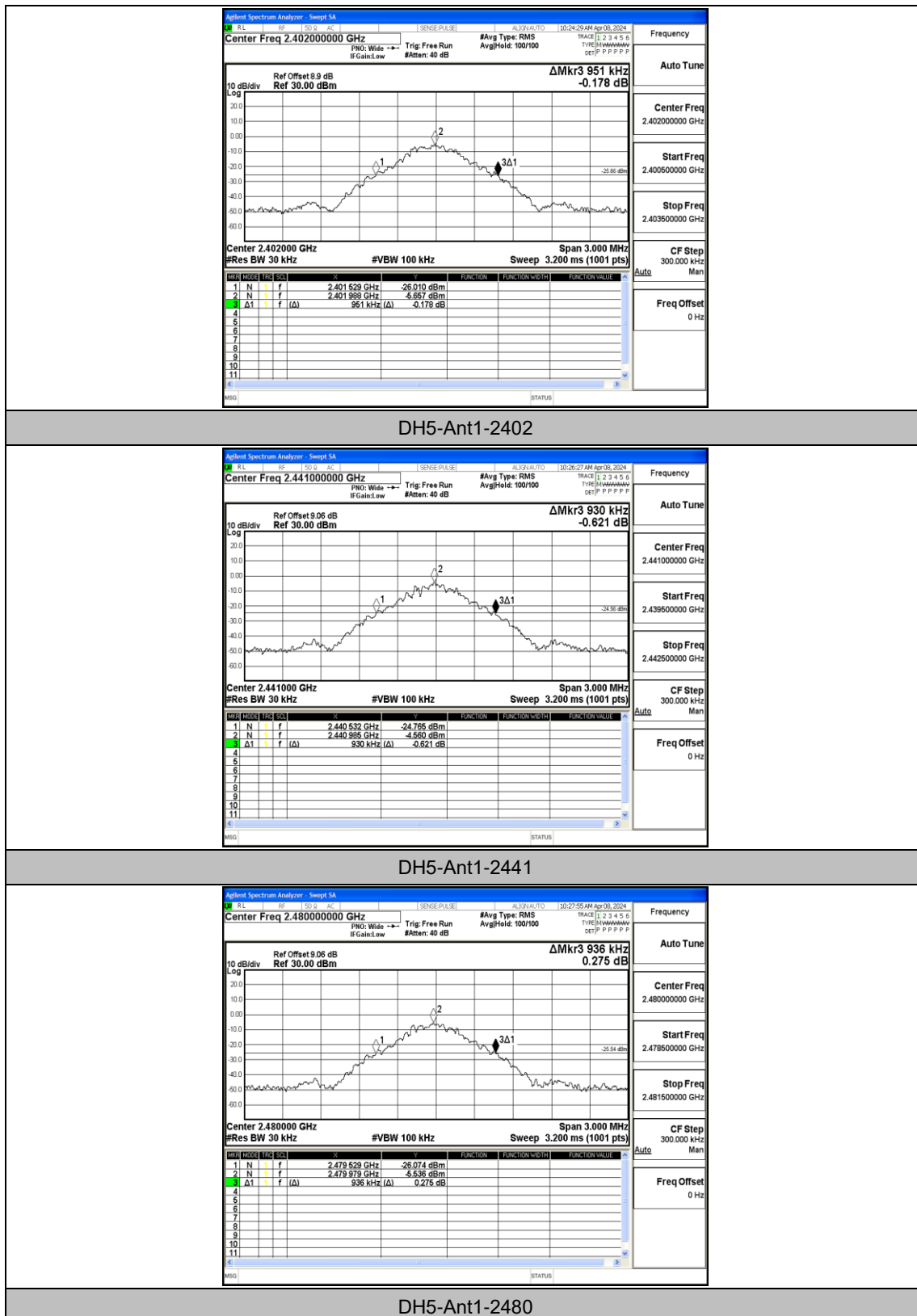
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

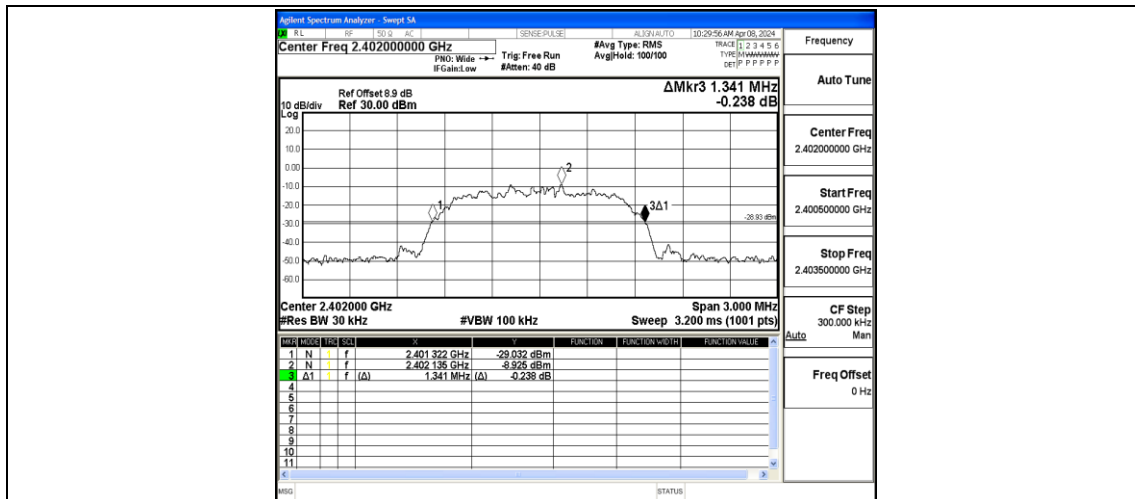
Appendix A: 20dB Emission Bandwidth

Test Result

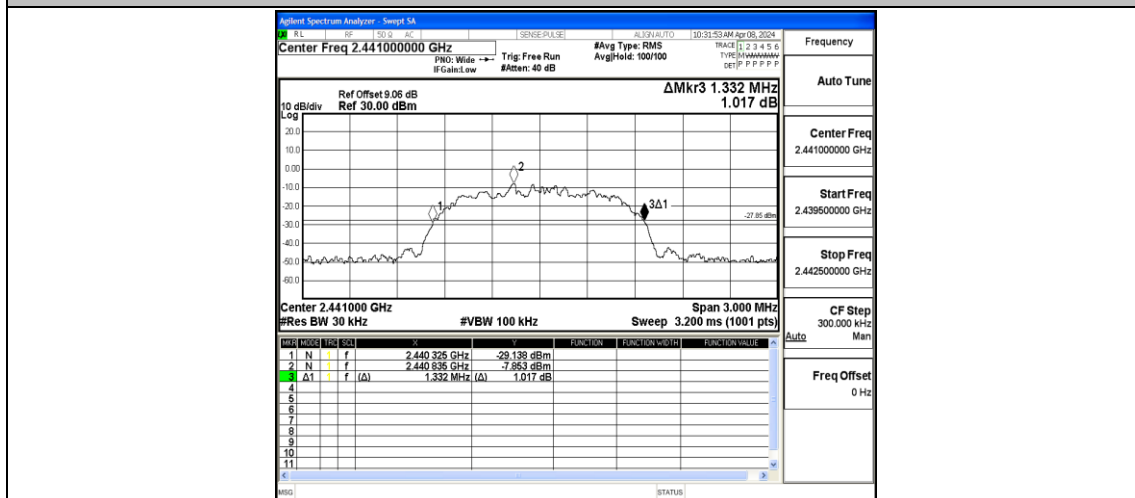
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.529	2402.480	---	---
DH5	Ant1	2441	0.930	2440.532	2441.462	---	---
DH5	Ant1	2480	0.936	2479.529	2480.465	---	---
2DH5	Ant1	2402	1.341	2401.322	2402.663	---	---
2DH5	Ant1	2441	1.332	2440.325	2441.657	---	---
2DH5	Ant1	2480	1.281	2479.361	2480.642	---	---
3DH5	Ant1	2402	1.260	2401.355	2402.615	---	---
3DH5	Ant1	2441	1.269	2440.346	2441.615	---	---
3DH5	Ant1	2480	1.302	2479.340	2480.642	---	---

Test Graphs

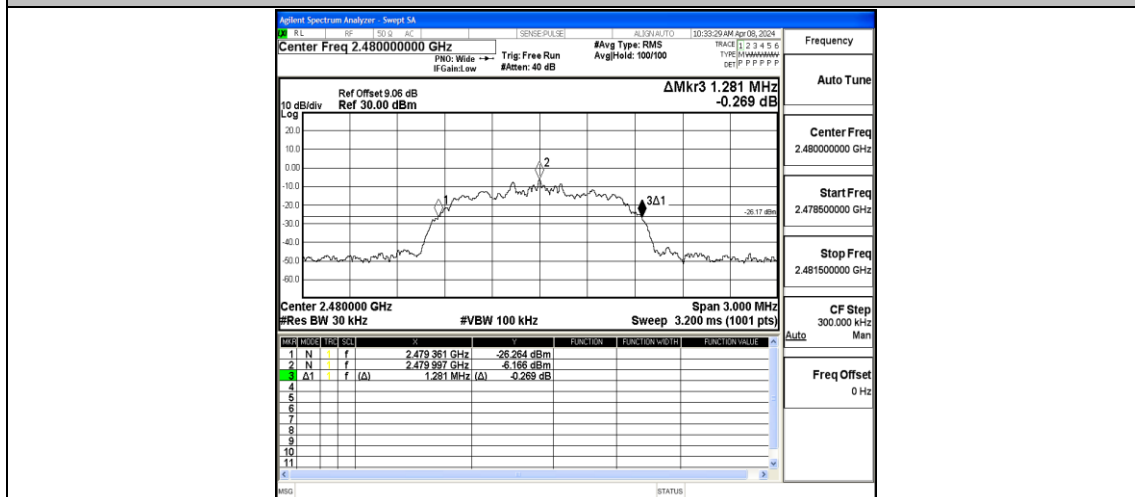




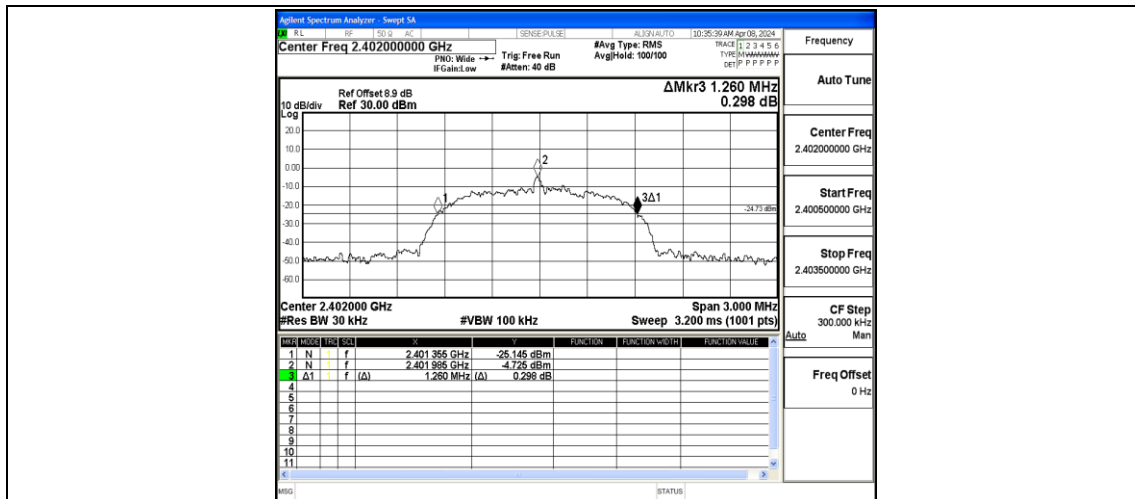
2DH5-Ant1-2402



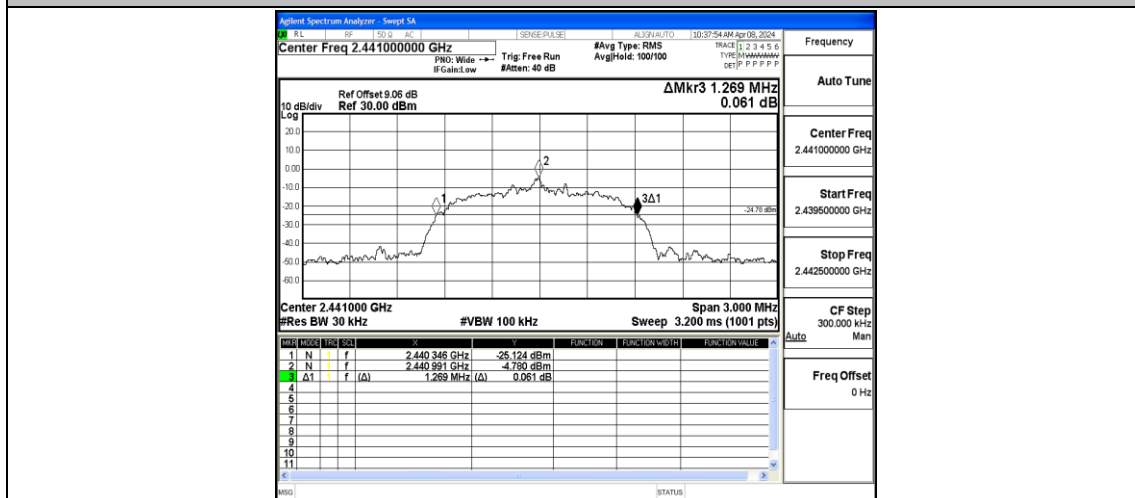
2DH5-Ant1-2441



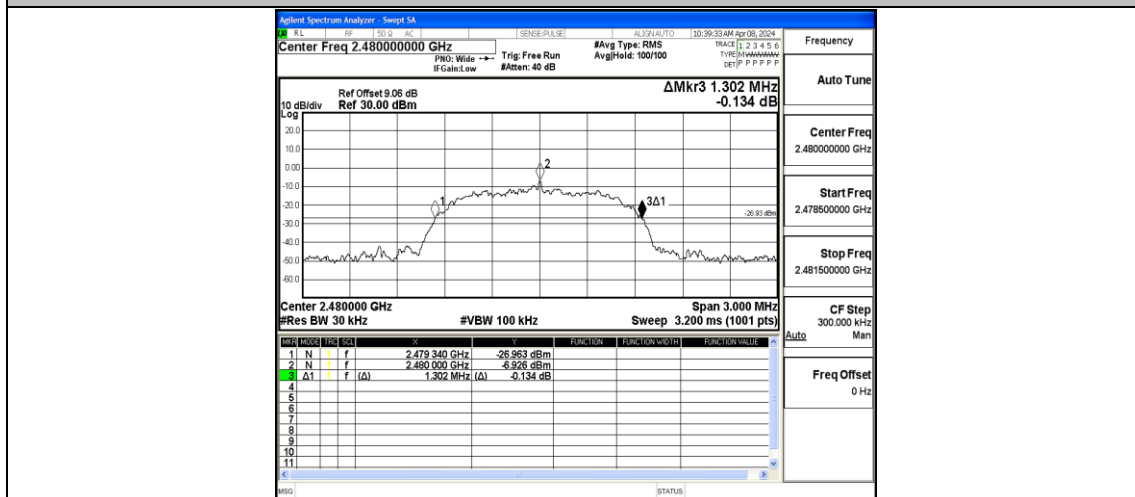
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



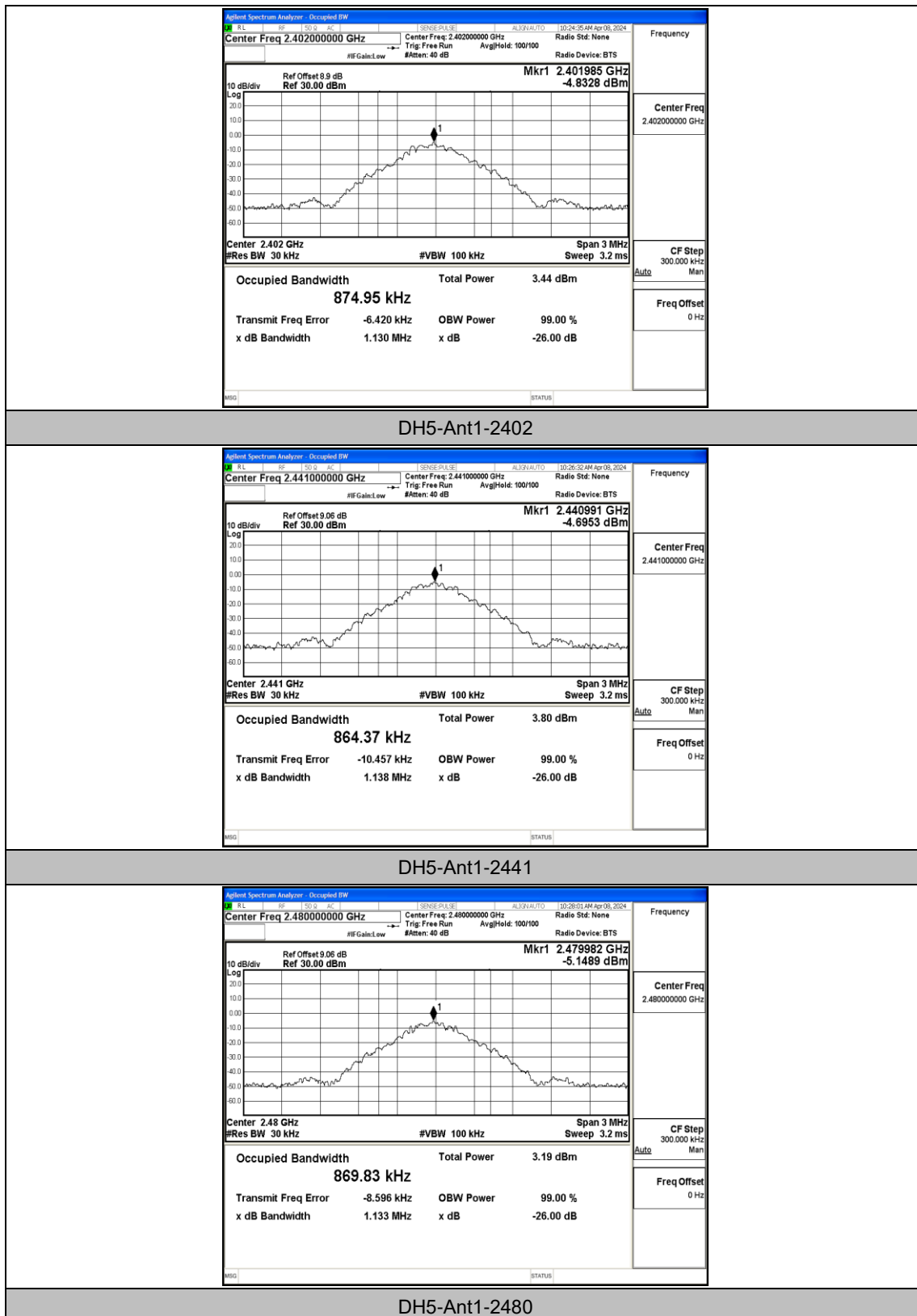
3DH5-Ant1-2480

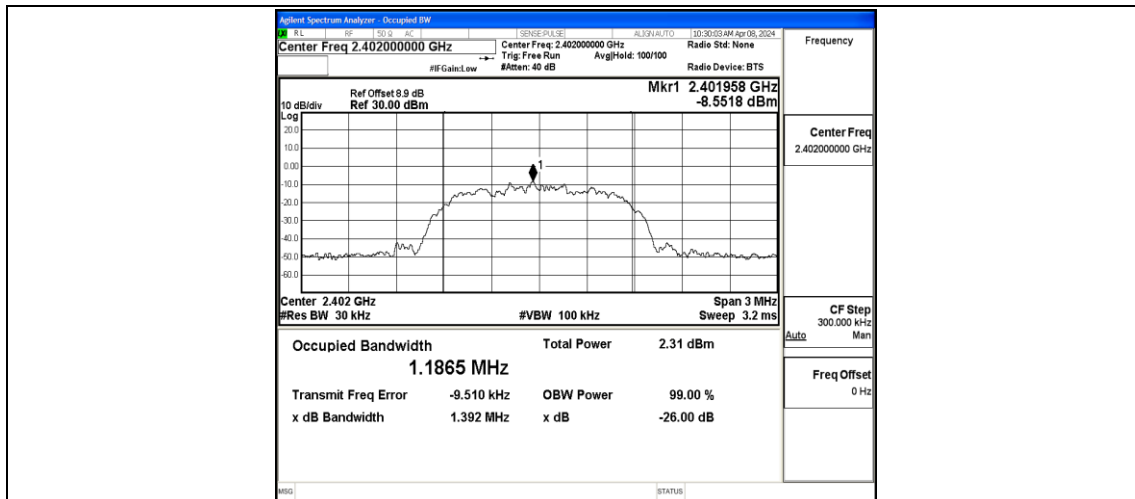
Appendix B: Occupied Channel Bandwidth

Test Result

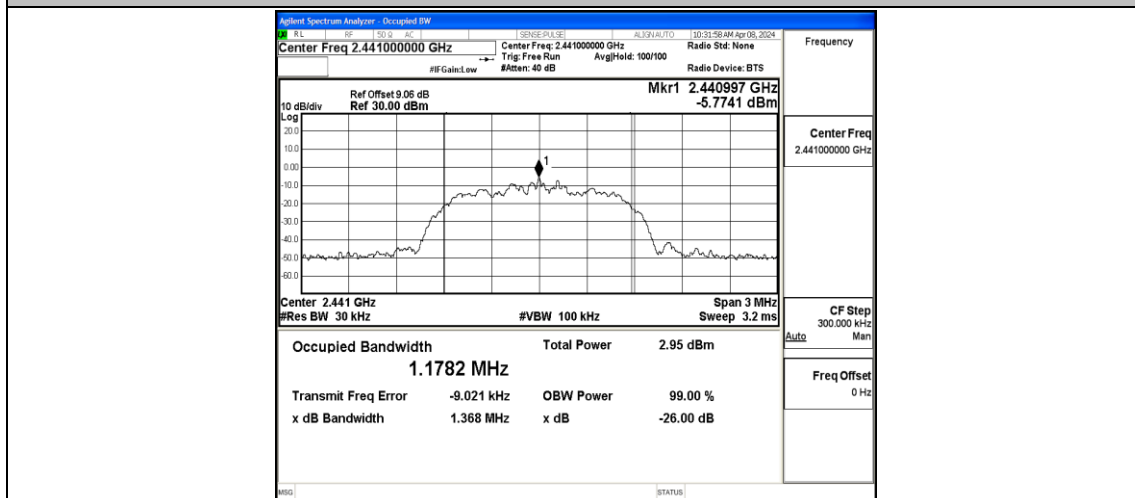
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87495	2401.5561	2402.4311	---	---
DH5	Ant1	2441	0.86437	2440.5574	2441.4217	---	---
DH5	Ant1	2480	0.86983	2479.5565	2480.4263	---	---
2DH5	Ant1	2402	1.1865	2401.3972	2402.5837	---	---
2DH5	Ant1	2441	1.1782	2440.4019	2441.5801	---	---
2DH5	Ant1	2480	1.1886	2479.3980	2480.5866	---	---
3DH5	Ant1	2402	1.1941	2401.3944	2402.5885	---	---
3DH5	Ant1	2441	1.1762	2440.4075	2441.5837	---	---
3DH5	Ant1	2480	1.1793	2479.4009	2480.5802	---	---

Test Graphs

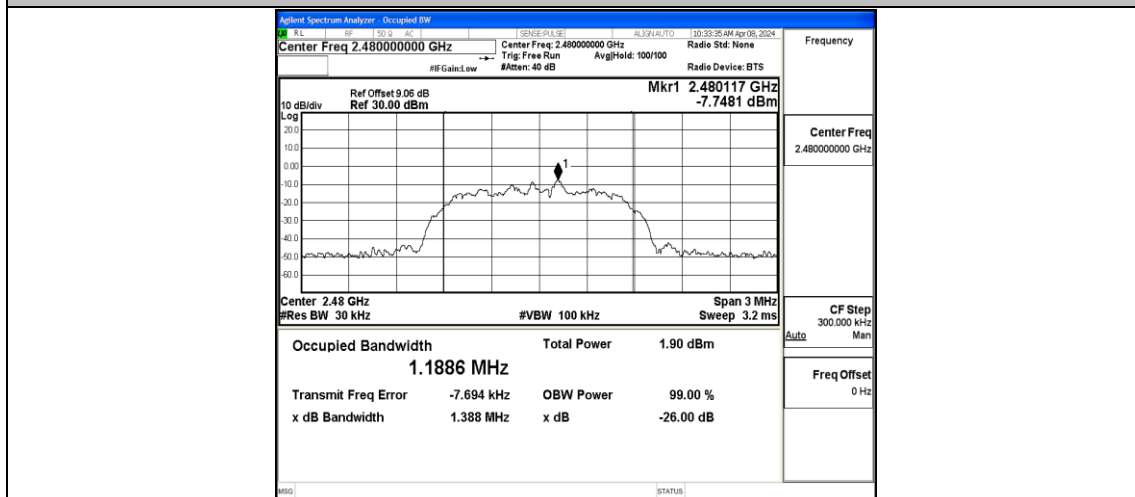




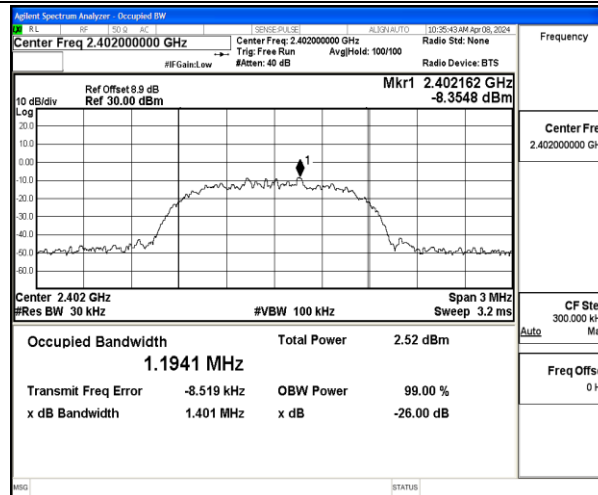
2DH5-Ant1-2402



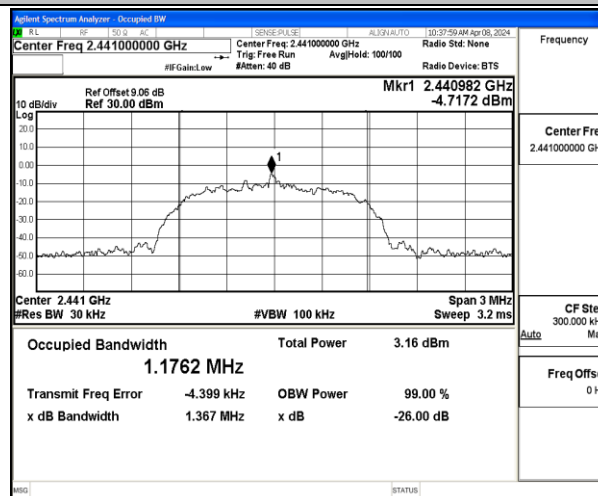
2DH5-Ant1-2441



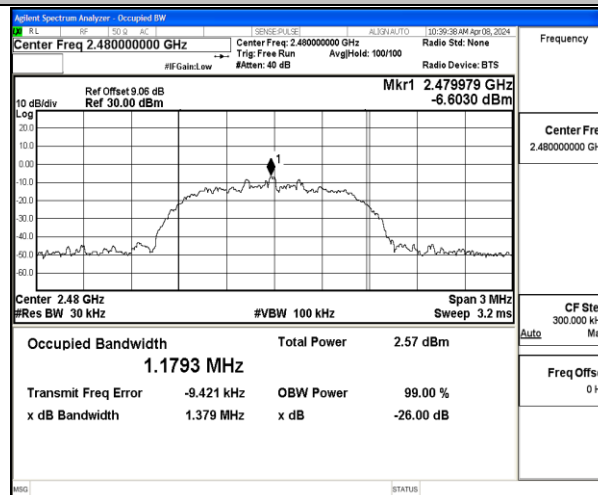
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



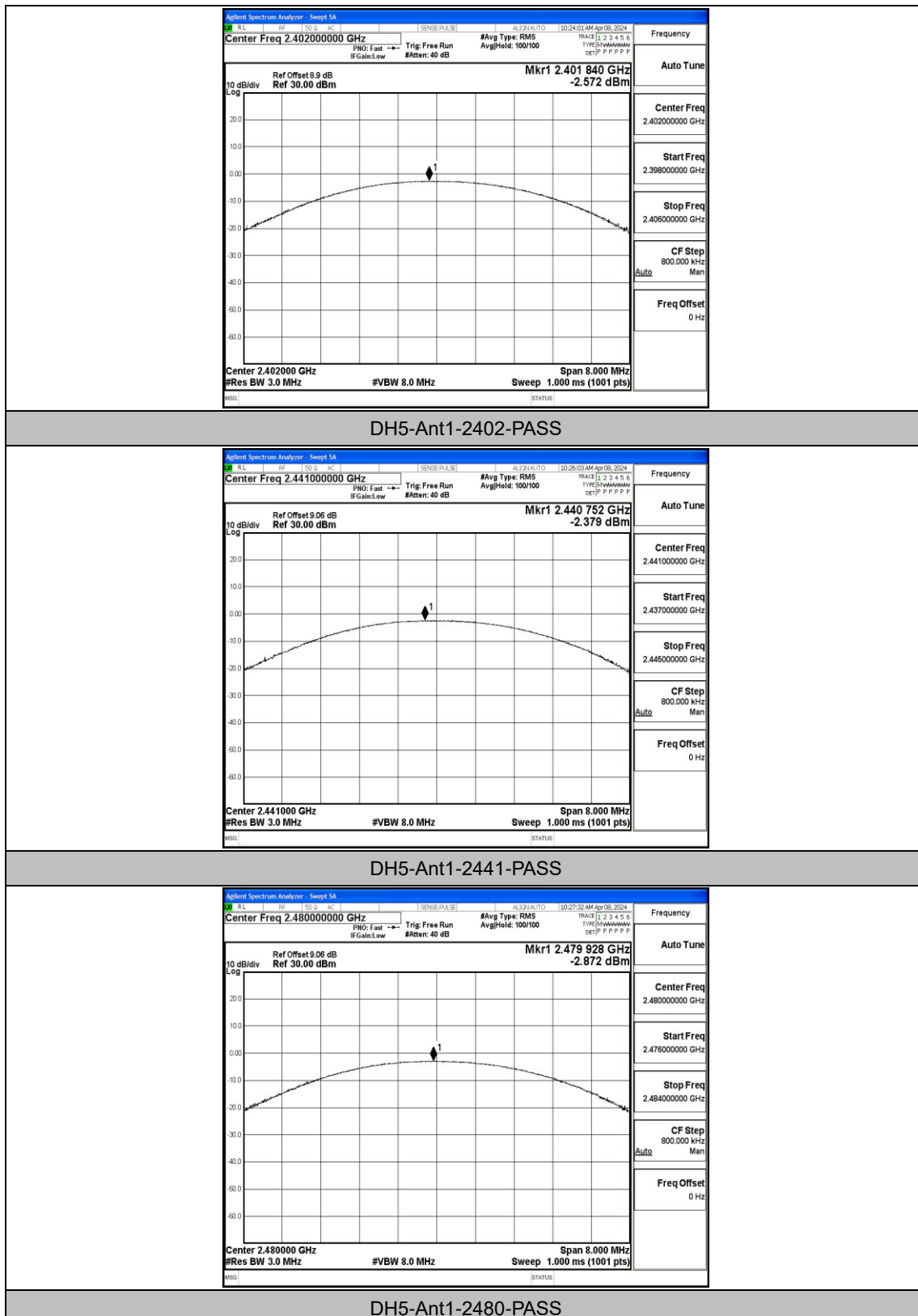
3DH5-Ant1-2480

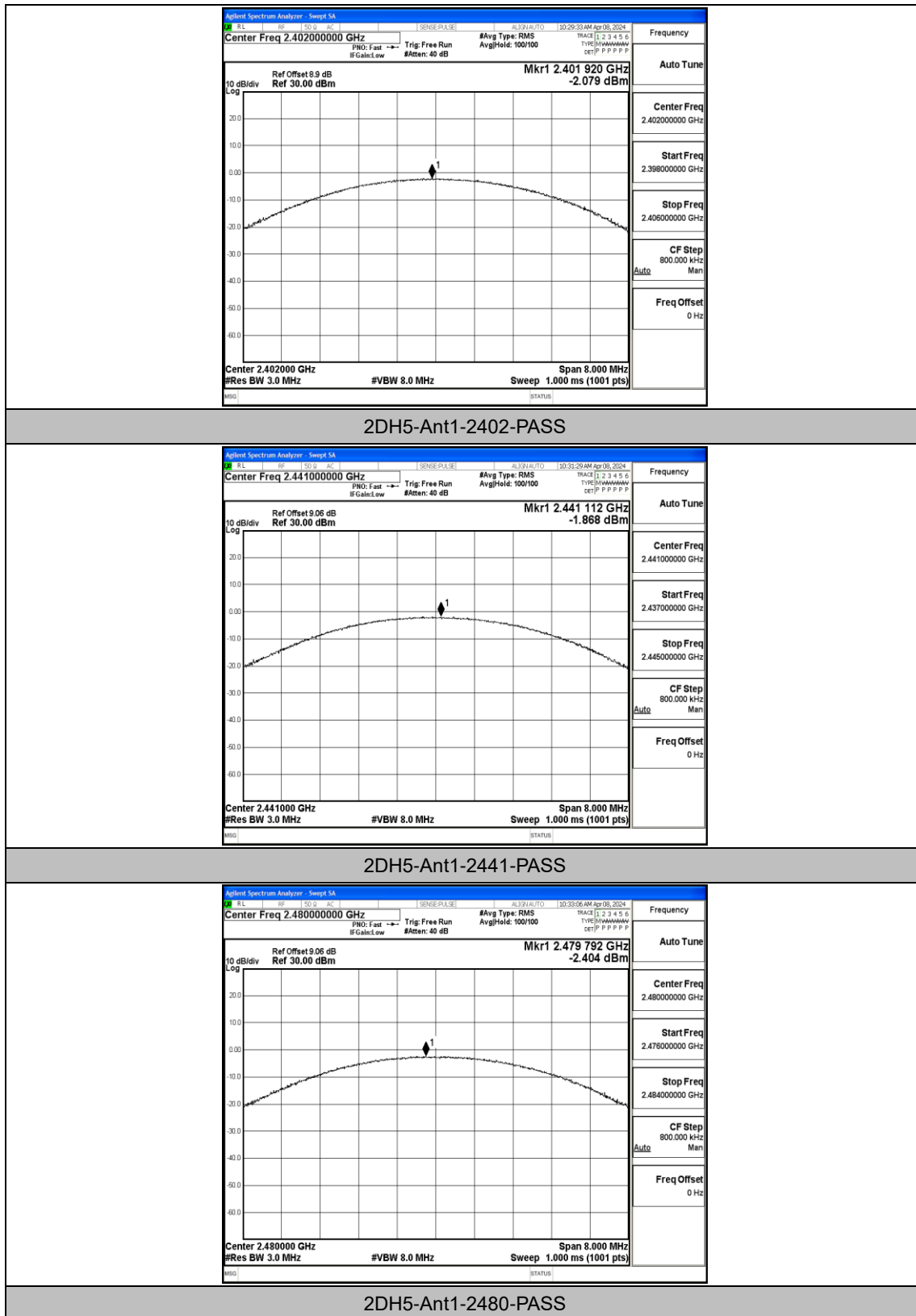
Appendix C: Maximum peak conducted output power

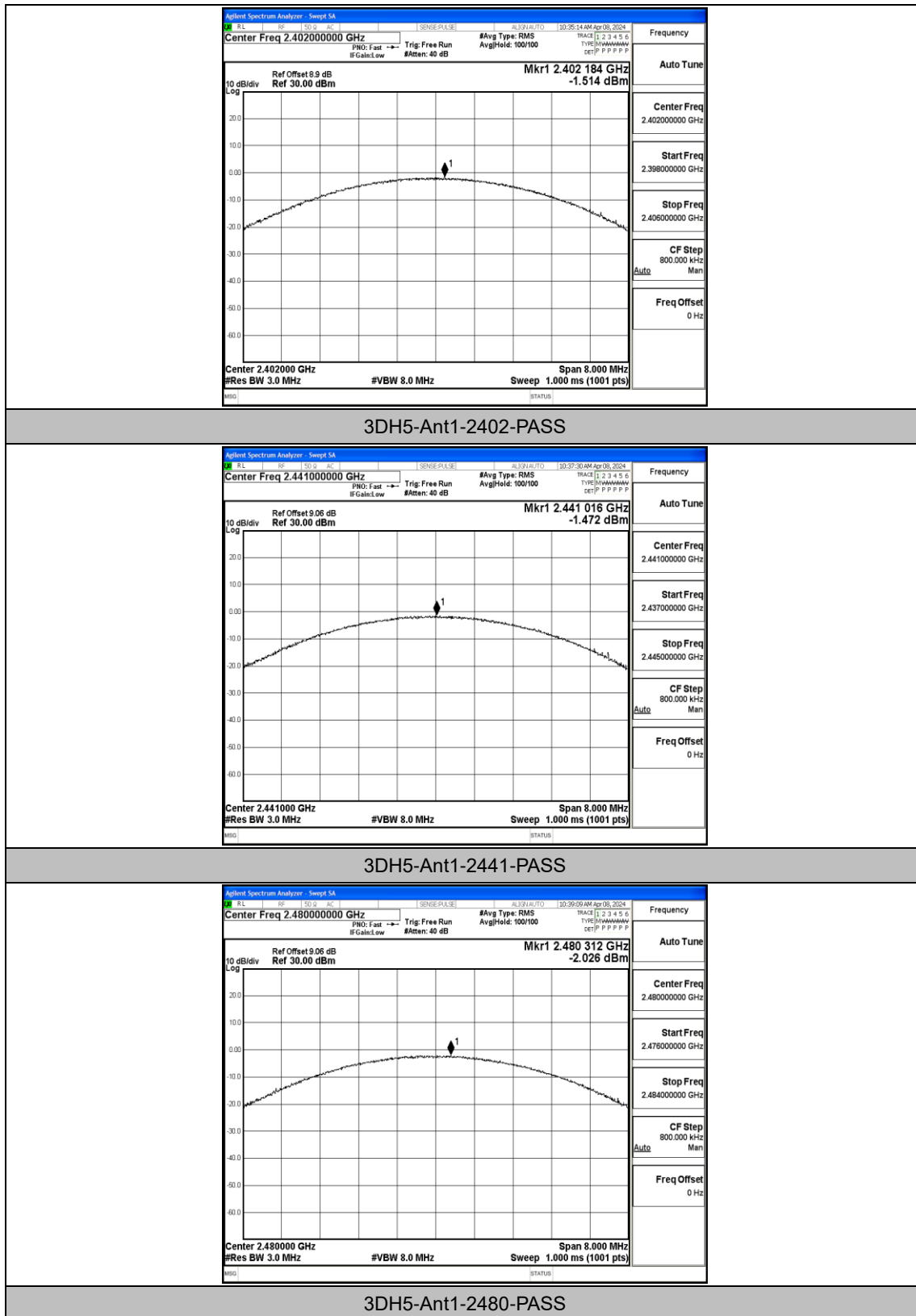
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.57	≤30	PASS
DH5	Ant1	2441	-2.38	≤30	PASS
DH5	Ant1	2480	-2.87	≤30	PASS
2DH5	Ant1	2402	-2.08	≤20.97	PASS
2DH5	Ant1	2441	-1.87	≤20.97	PASS
2DH5	Ant1	2480	-2.40	≤20.97	PASS
3DH5	Ant1	2402	-1.51	≤20.97	PASS
3DH5	Ant1	2441	-1.47	≤20.97	PASS
3DH5	Ant1	2480	-2.03	≤20.97	PASS

Test Graphs





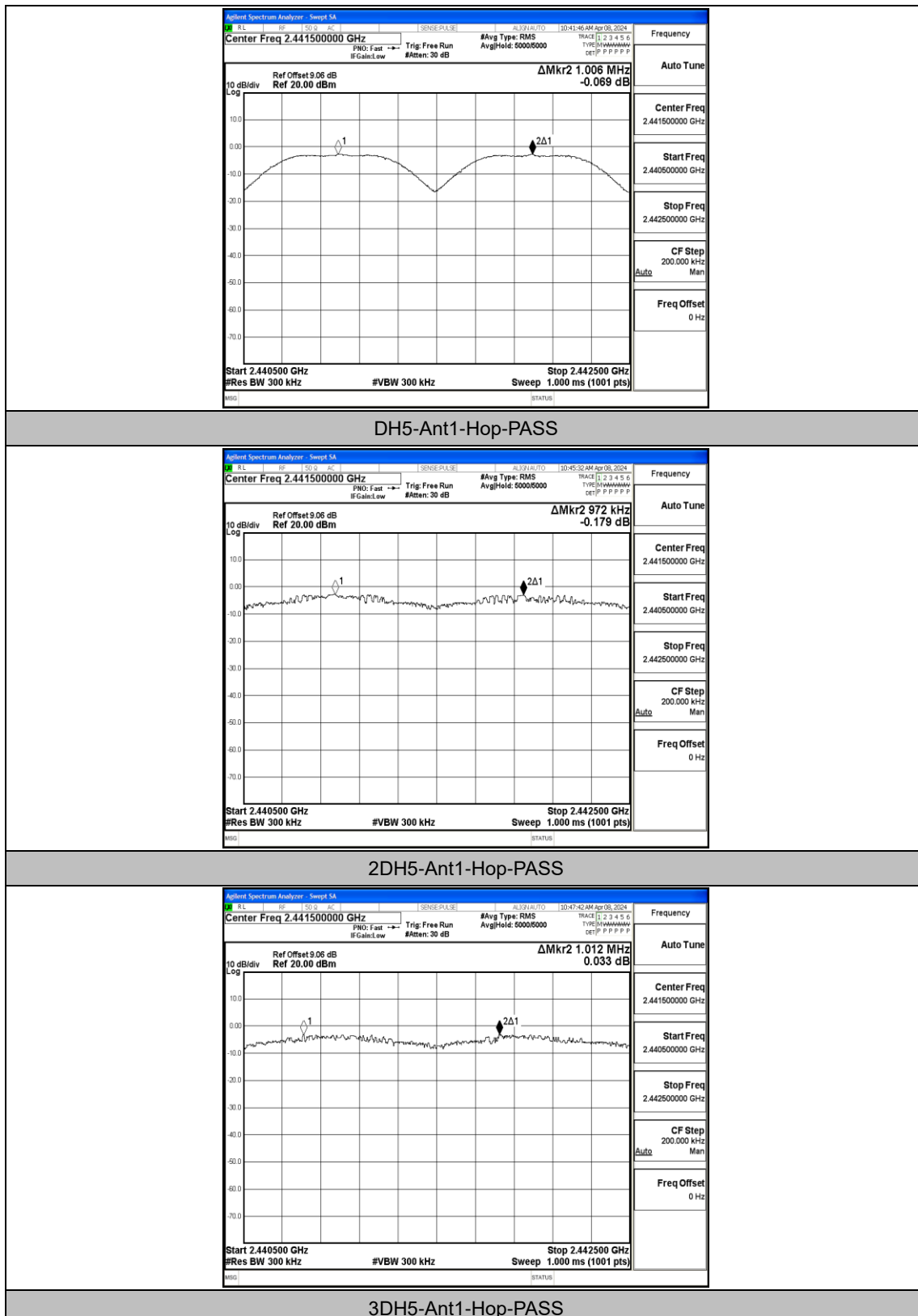


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.951	PASS
2DH5	Ant1	Hop	0.972	≥ 0.894	PASS
3DH5	Ant1	Hop	1.012	≥ 0.868	PASS

Test Graphs

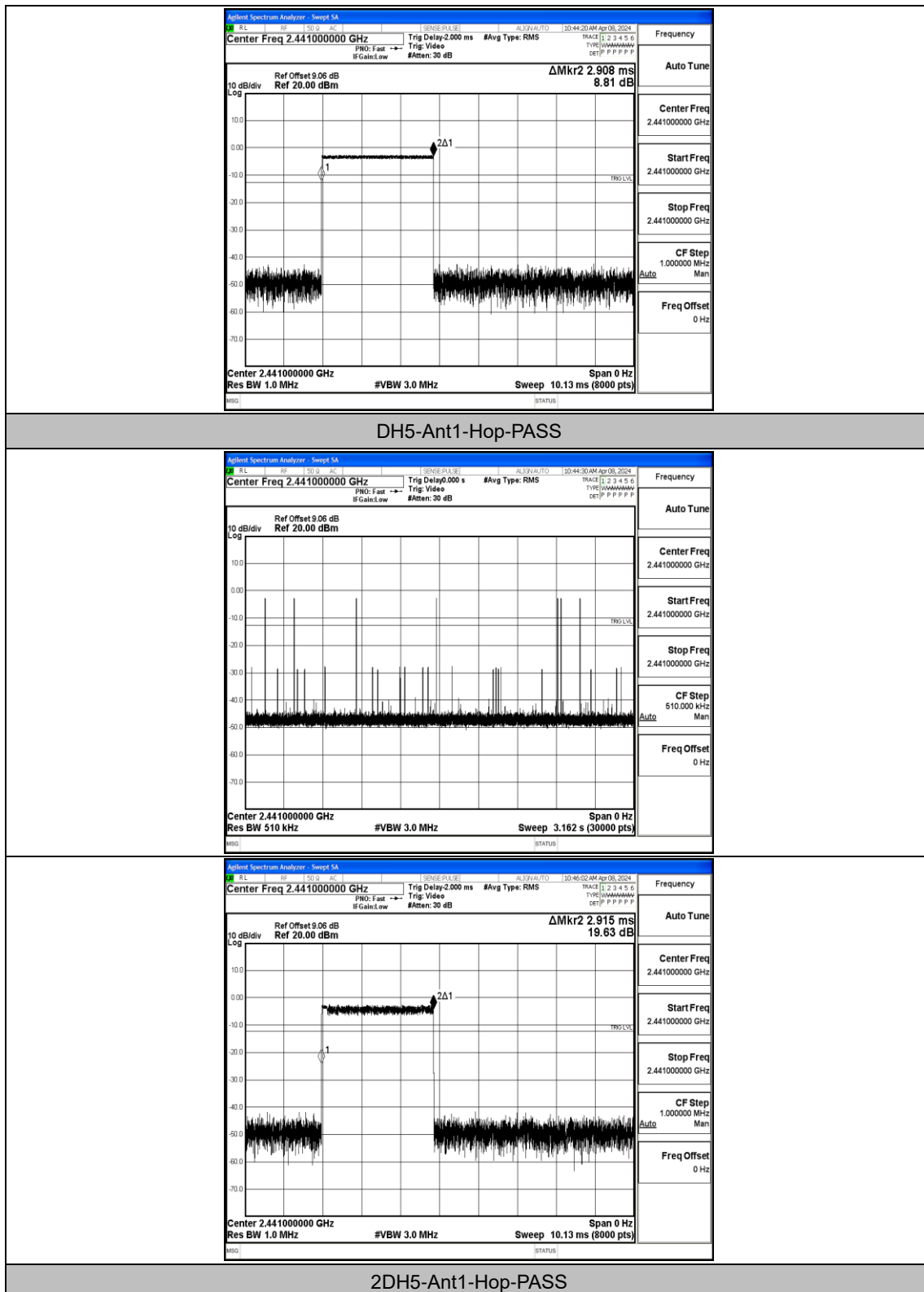


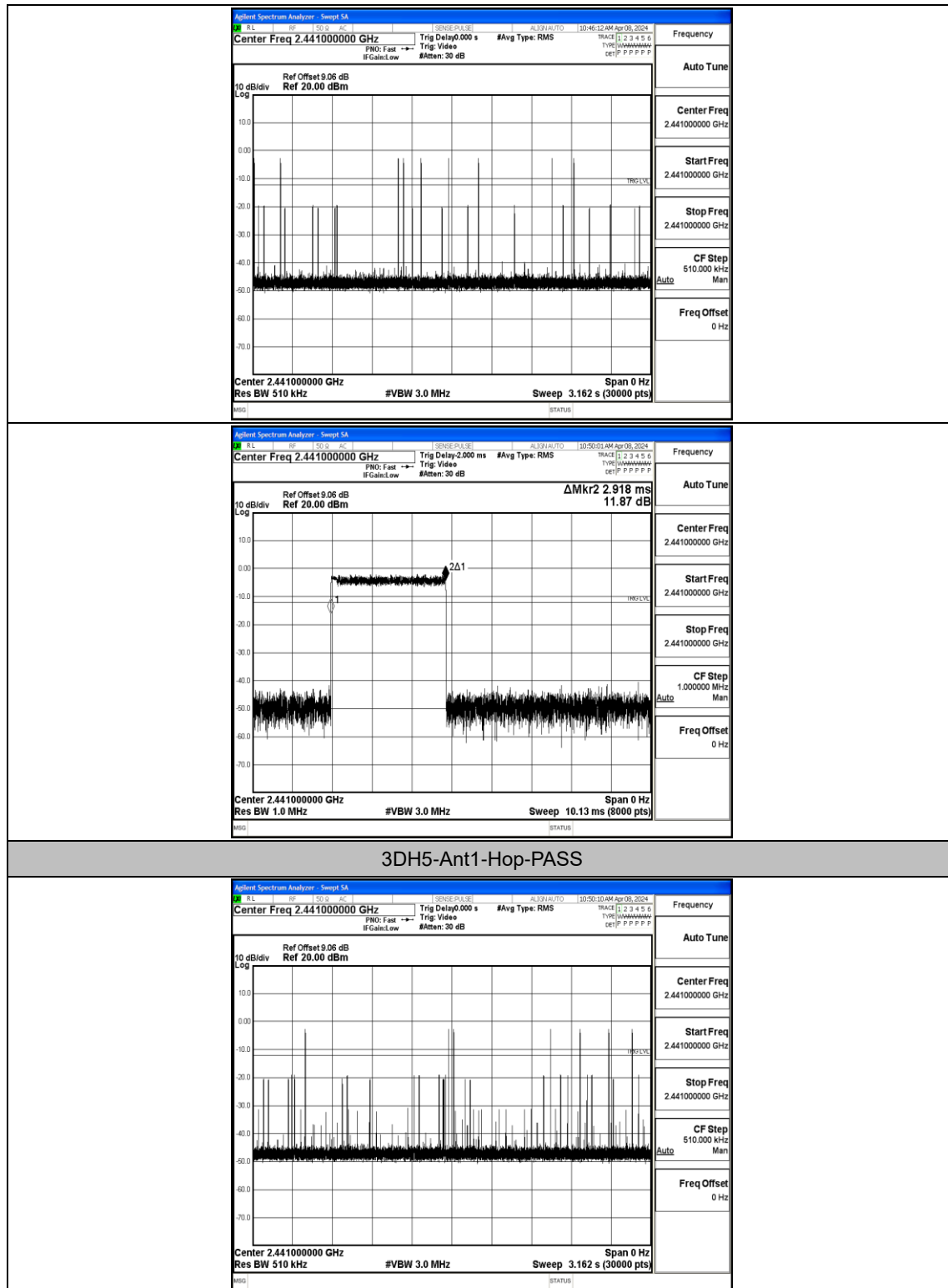
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	80	0.233	≤0.4	PASS
2DH5	Ant1	Hop	2.915	100	0.292	≤0.4	PASS
3DH5	Ant1	Hop	2.918	80	0.233	≤0.4	PASS

Test Graphs



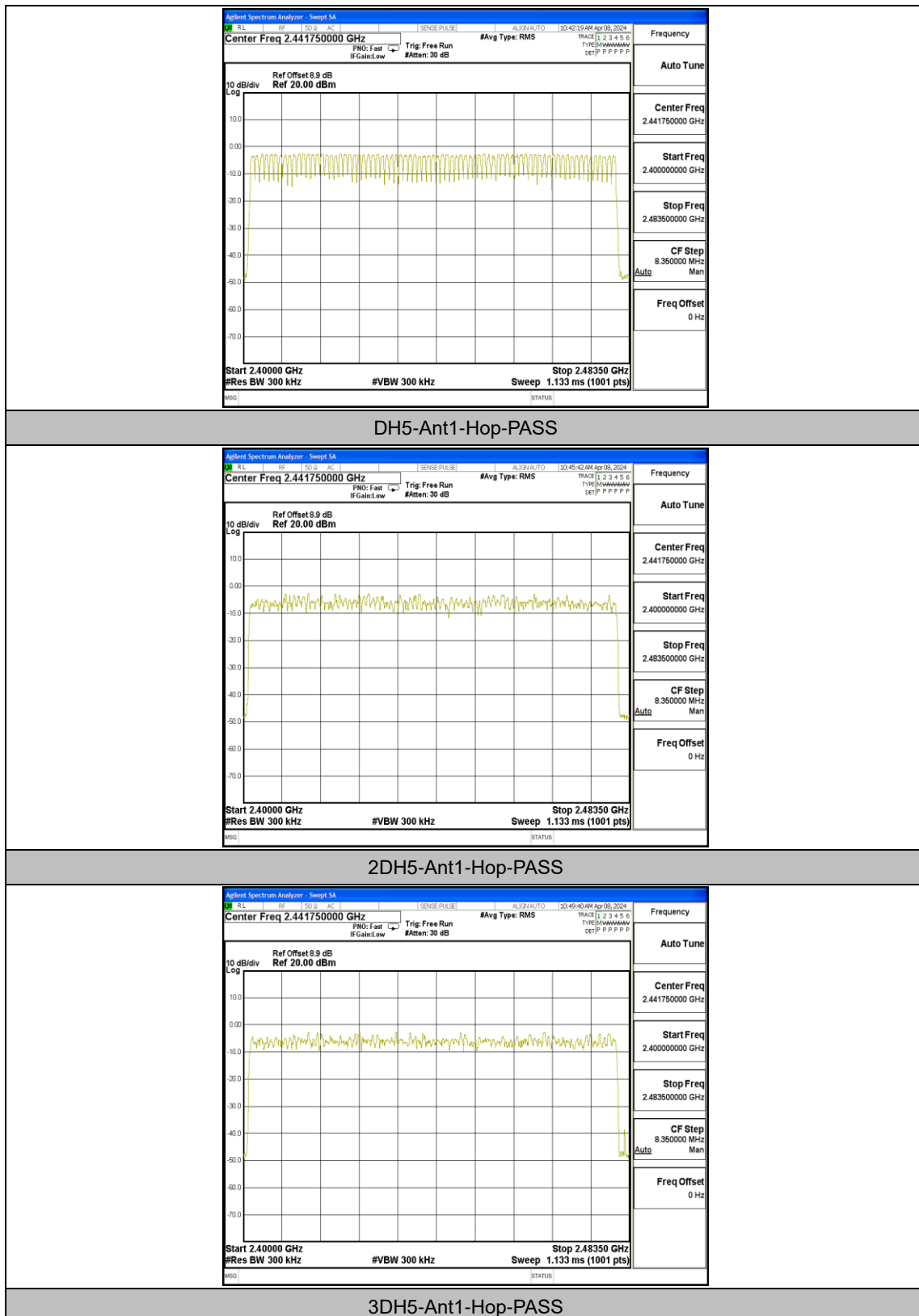


Appendix F: Number of hopping channels

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

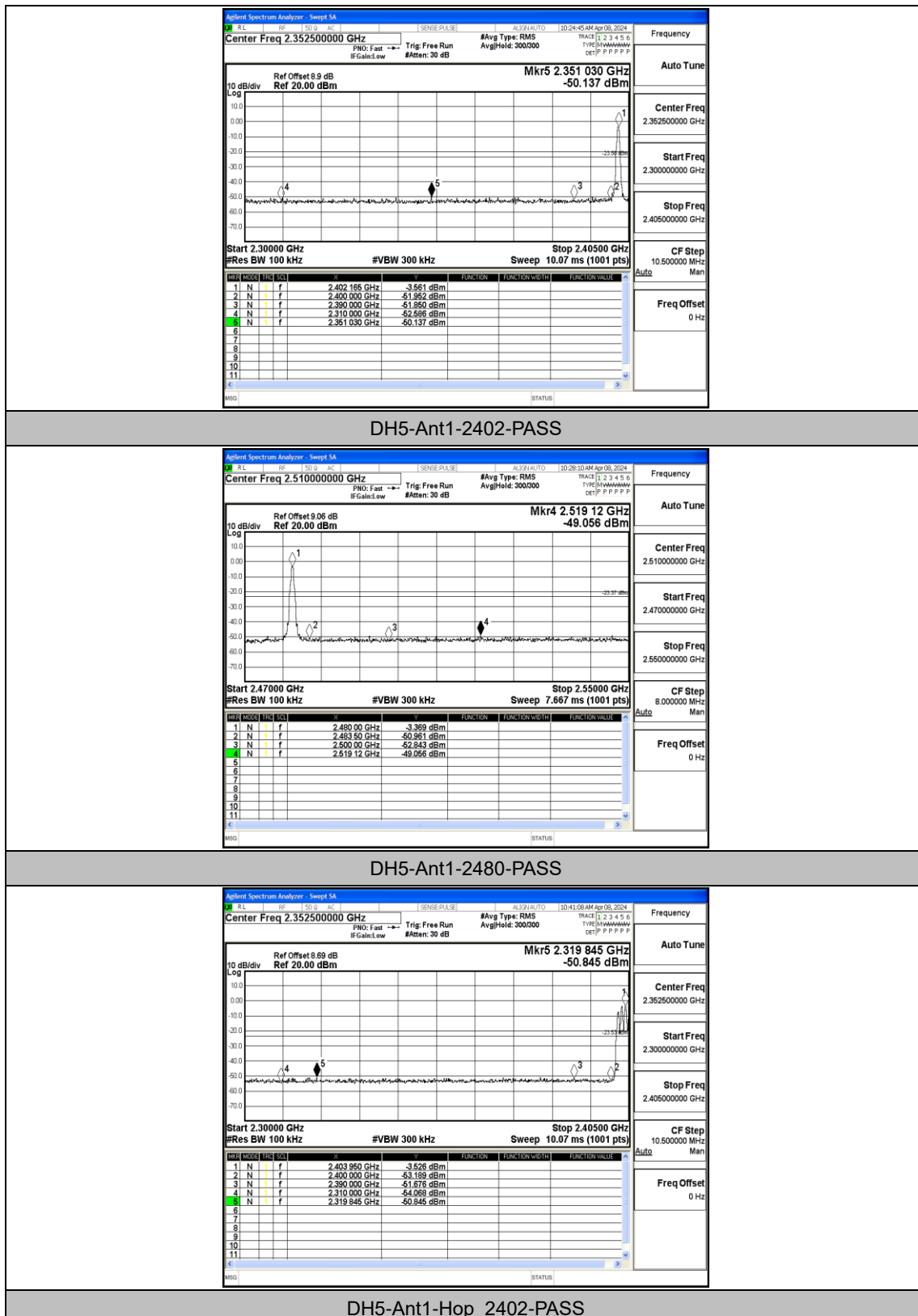


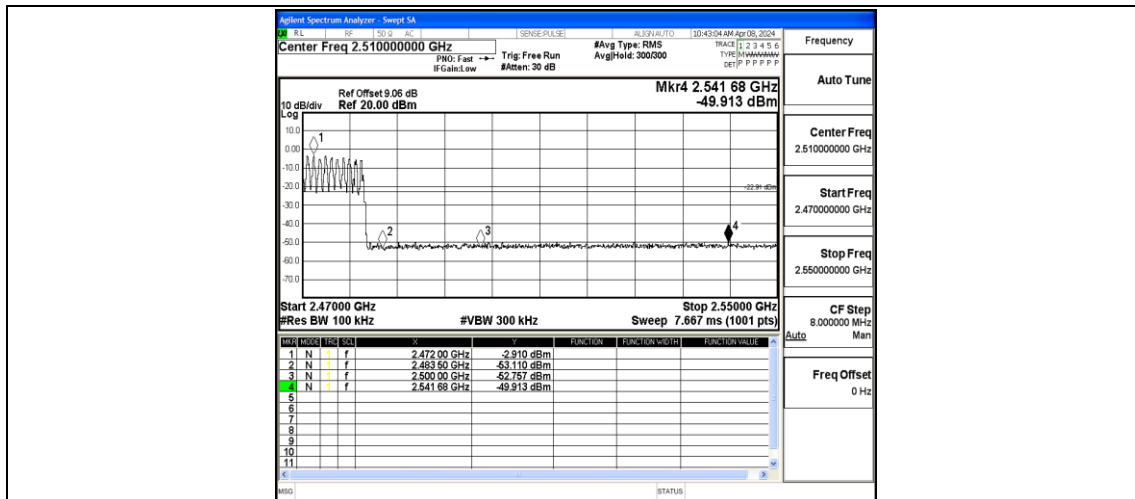
Appendix G: Band edge measurements

Test Result

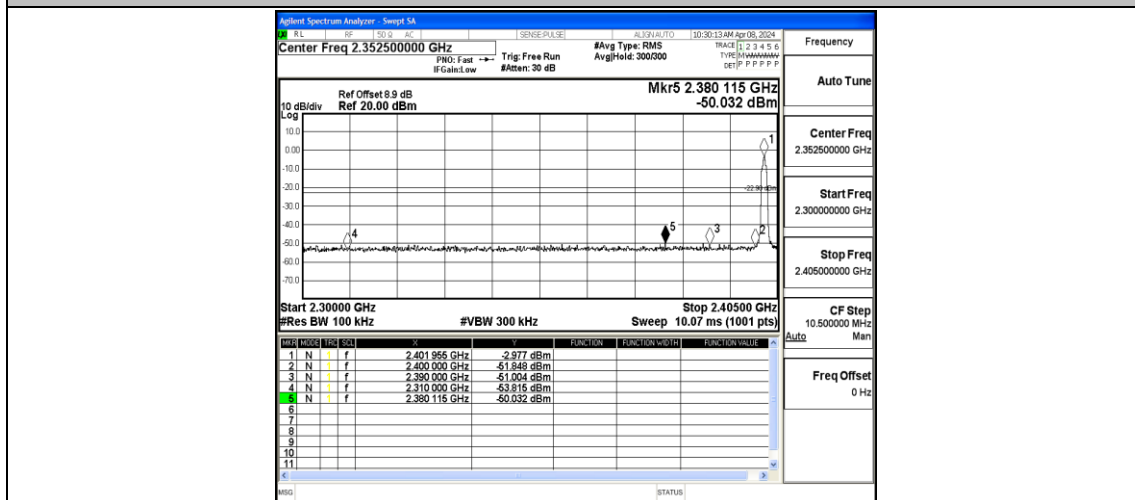
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.56	-50.14	≤-23.56	PASS
DH5	Ant1	High	2480	-3.37	-49.06	≤-23.37	PASS
DH5	Ant1	Low	Hop_2402	-3.53	-50.85	≤-23.53	PASS
DH5	Ant1	High	Hop_2480	-2.91	-49.91	≤-22.91	PASS
2DH5	Ant1	Low	2402	-2.98	-50.03	≤-22.98	PASS
2DH5	Ant1	High	2480	-3.80	-49.4	≤-23.8	PASS
2DH5	Ant1	Low	Hop_2402	-7.91	-50.93	≤-27.91	PASS
2DH5	Ant1	High	Hop_2480	-7.46	-48.22	≤-27.46	PASS
3DH5	Ant1	Low	2402	-2.95	-45.28	≤-22.95	PASS
3DH5	Ant1	High	2480	-3.23	-49.47	≤-23.23	PASS
3DH5	Ant1	Low	Hop_2402	-5.61	-50.77	≤-25.61	PASS
3DH5	Ant1	High	Hop_2480	-5.33	-49.33	≤-25.33	PASS

Test Graphs

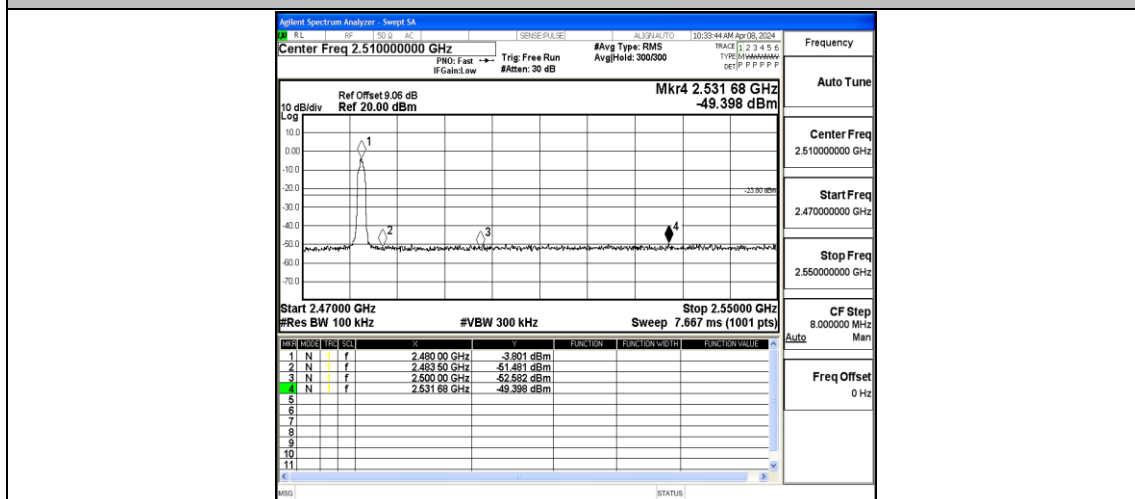




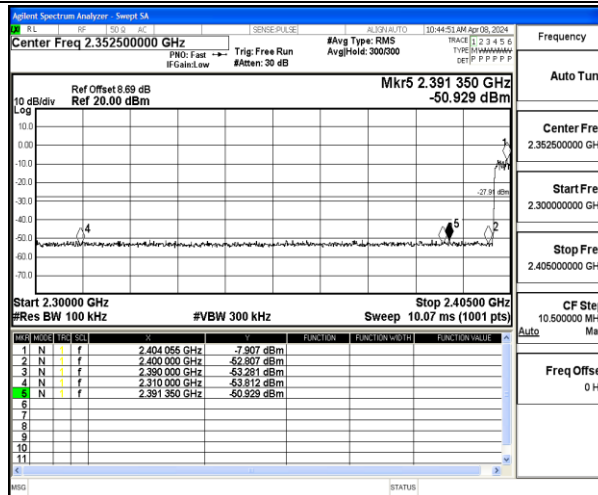
DH5-Ant1-Hop_2480-PASS



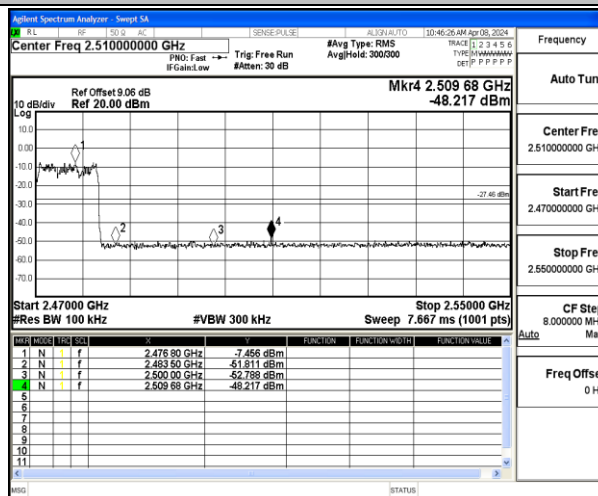
2DH5-Ant1-2402-PASS



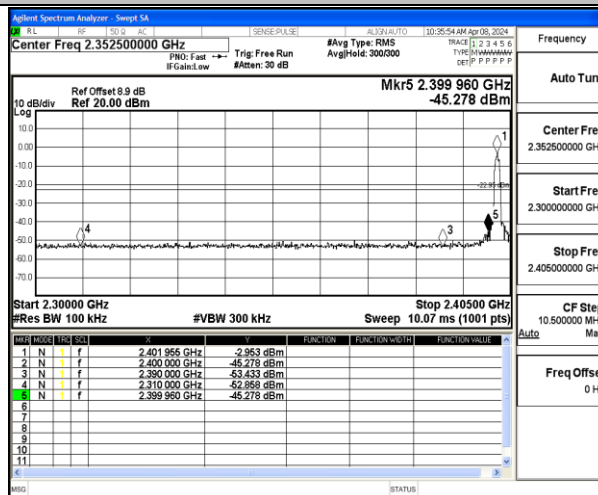
2DH5-Ant1-2480-PASS



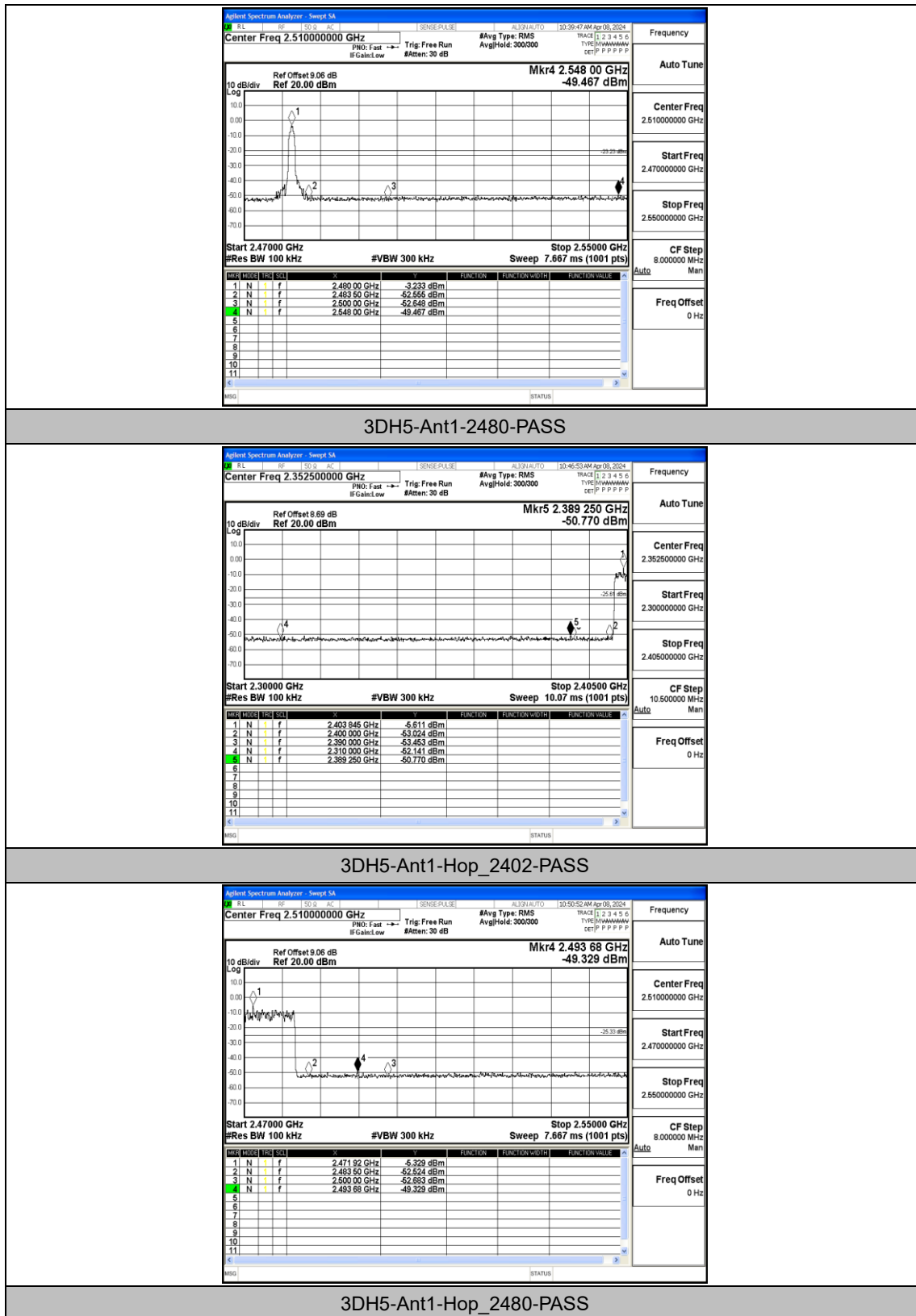
2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS

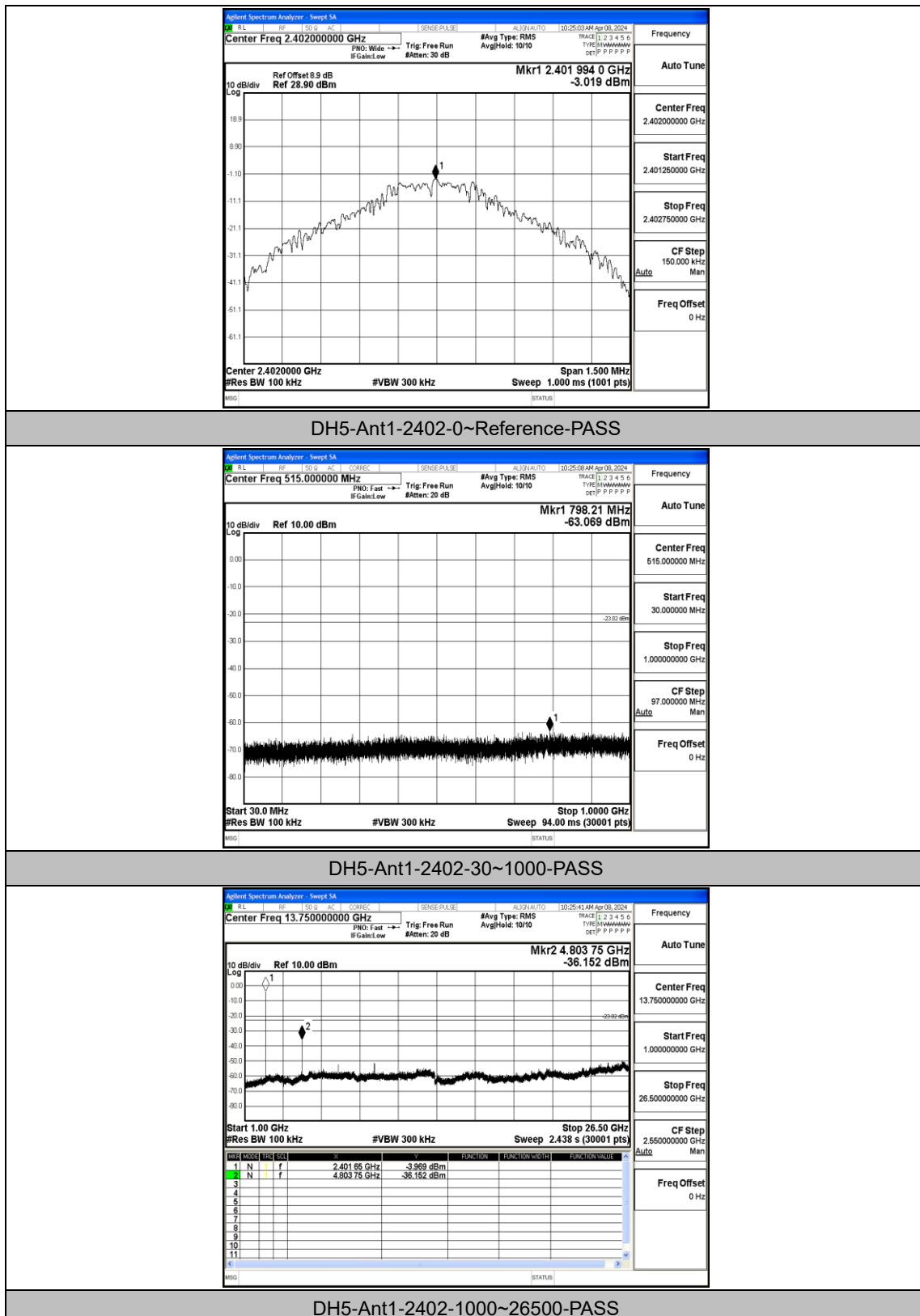


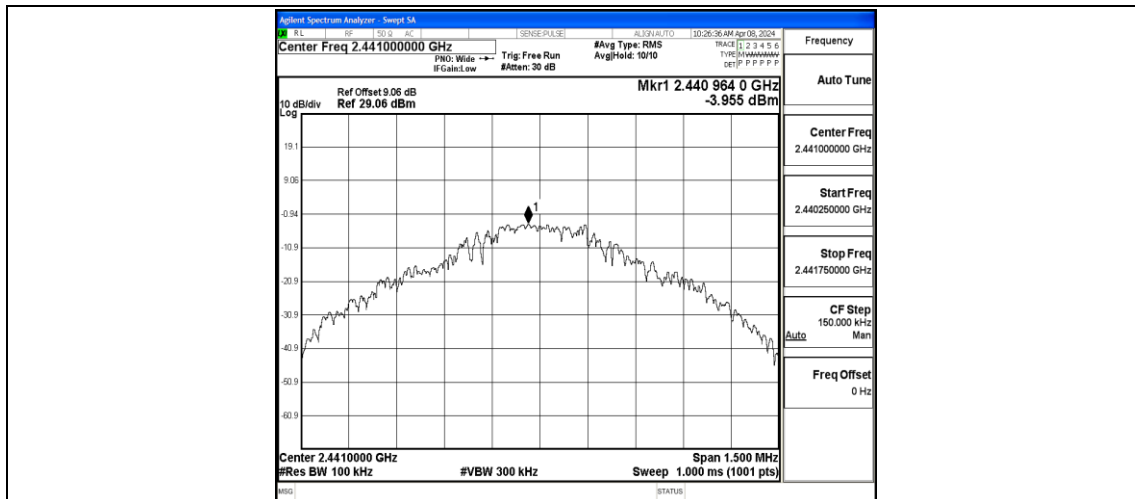
Appendix H: Conducted Spurious Emission

Test Result

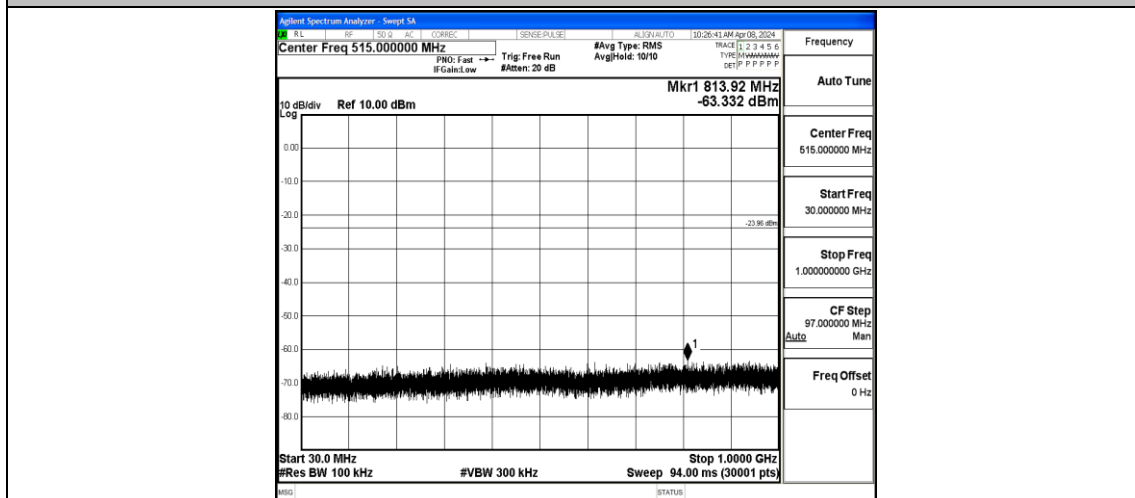
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.02	-3.02	---	PASS
DH5	Ant1	2402	30~1000	-3.02	-63.07	≤-23.02	PASS
DH5	Ant1	2402	1000~26500	-3.02	-36.15	≤-23.02	PASS
DH5	Ant1	2441	0~Reference	-3.96	-3.96	---	PASS
DH5	Ant1	2441	30~1000	-3.96	-63.33	≤-23.96	PASS
DH5	Ant1	2441	1000~26500	-3.96	-35.79	≤-23.96	PASS
DH5	Ant1	2480	0~Reference	-3.41	-3.41	---	PASS
DH5	Ant1	2480	30~1000	-3.41	-62.65	≤-23.41	PASS
DH5	Ant1	2480	1000~26500	-3.41	-36.8	≤-23.41	PASS
2DH5	Ant1	2402	0~Reference	-6.48	-6.48	---	PASS
2DH5	Ant1	2402	30~1000	-6.48	-61.25	≤-26.48	PASS
2DH5	Ant1	2402	1000~26500	-6.48	-34.92	≤-26.48	PASS
2DH5	Ant1	2441	0~Reference	-4.55	-4.55	---	PASS
2DH5	Ant1	2441	30~1000	-4.55	-62.26	≤-24.55	PASS
2DH5	Ant1	2441	1000~26500	-4.55	-41.27	≤-24.55	PASS
2DH5	Ant1	2480	0~Reference	-7.81	-7.81	---	PASS
2DH5	Ant1	2480	30~1000	-7.81	-62.2	≤-27.81	PASS
2DH5	Ant1	2480	1000~26500	-7.81	-37.6	≤-27.81	PASS
3DH5	Ant1	2402	0~Reference	-4.95	-4.95	---	PASS
3DH5	Ant1	2402	30~1000	-4.95	-62.61	≤-24.95	PASS
3DH5	Ant1	2402	1000~26500	-4.95	-41.7	≤-24.95	PASS
3DH5	Ant1	2441	0~Reference	-4.97	-4.97	---	PASS
3DH5	Ant1	2441	30~1000	-4.97	-63.06	≤-24.97	PASS
3DH5	Ant1	2441	1000~26500	-4.97	-41.38	≤-24.97	PASS
3DH5	Ant1	2480	0~Reference	-5.18	-5.18	---	PASS
3DH5	Ant1	2480	30~1000	-5.18	-62.11	≤-25.18	PASS
3DH5	Ant1	2480	1000~26500	-5.18	-44.55	≤-25.18	PASS

Test Graphs

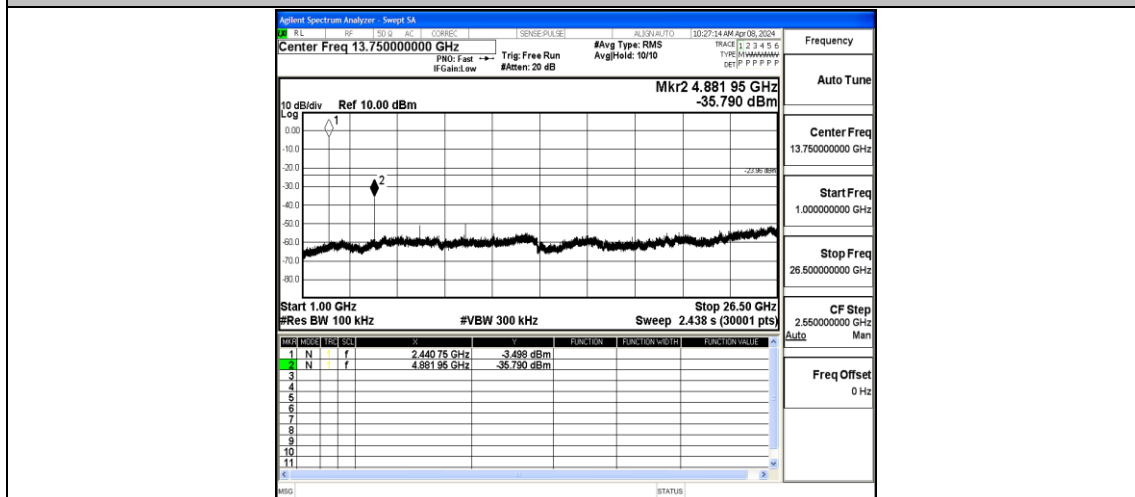




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS