

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

Product Name: Wireless Earbuds

Trade Mark: N/A

Test Model: AI1012

FCC ID: 2AL9B-AI1012

Environmental Conditions

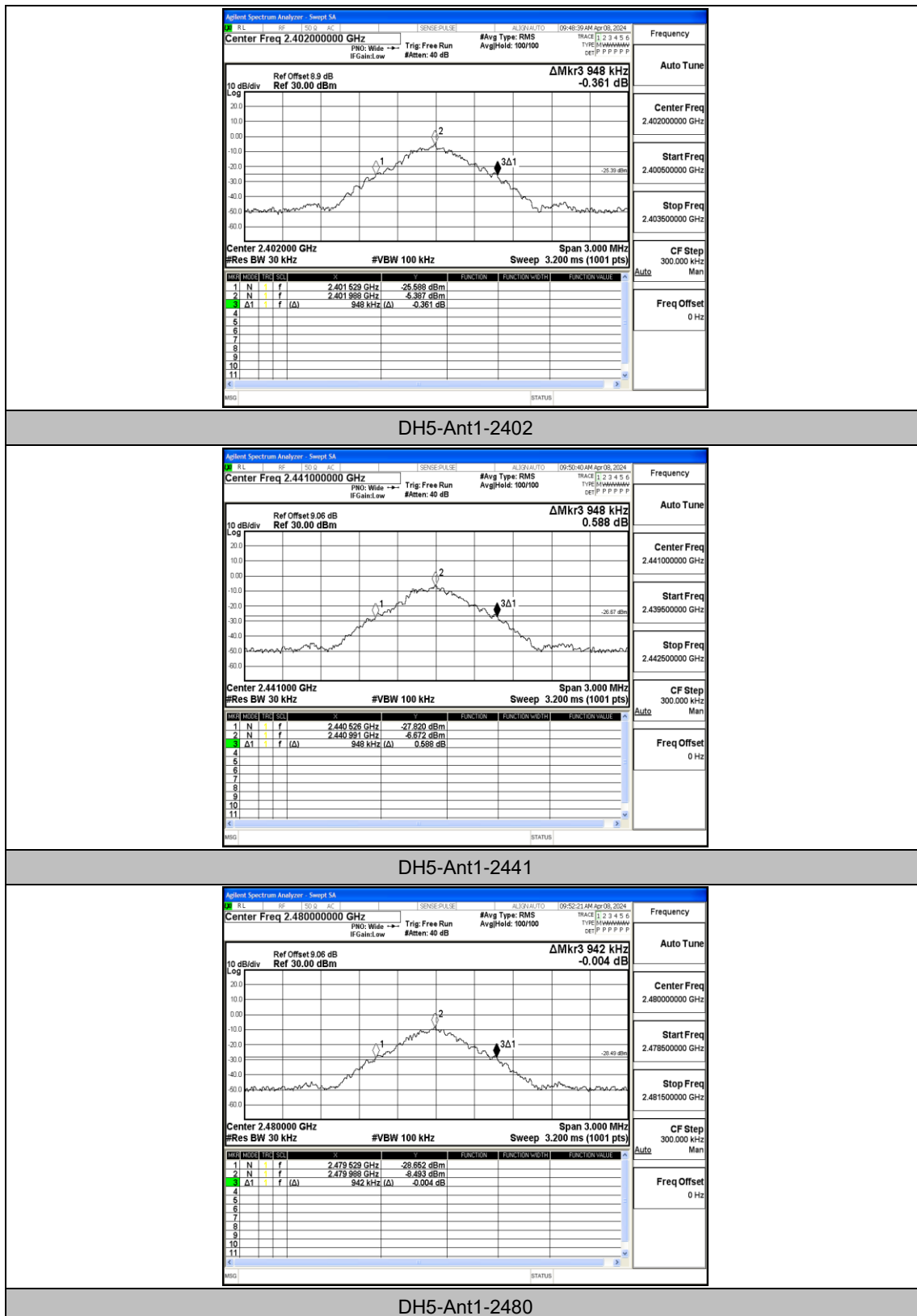
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

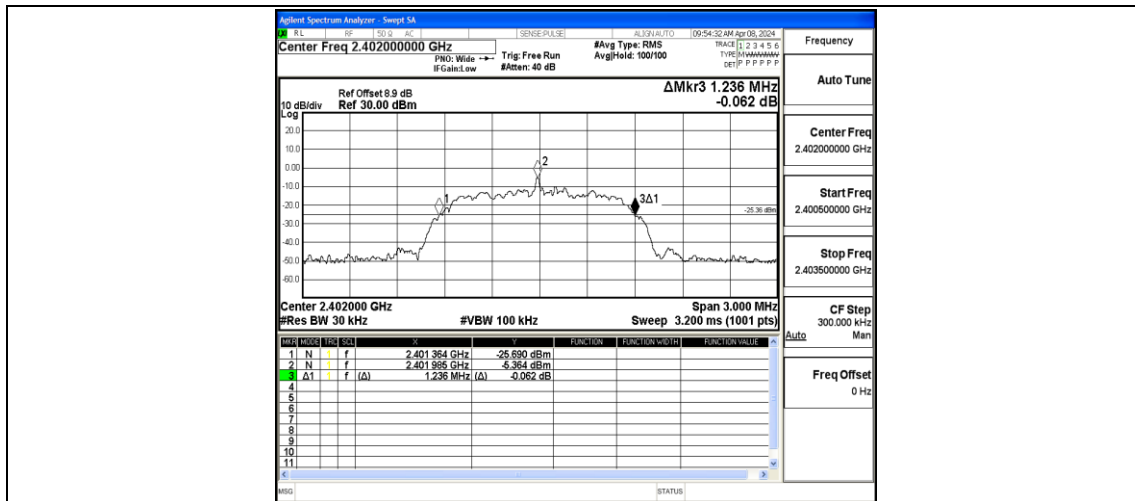
Appendix A: 20dB Emission Bandwidth

Test Result

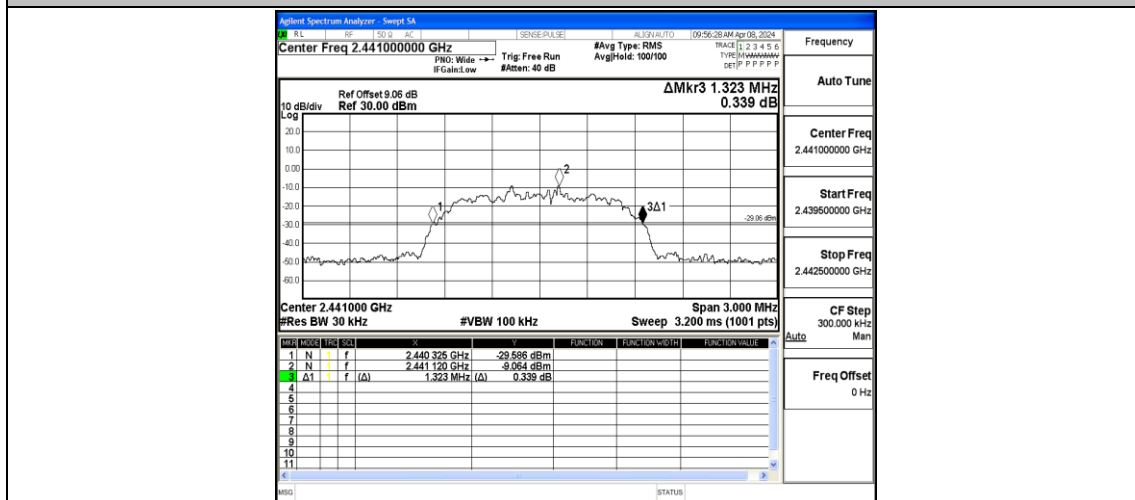
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.529	2402.477	---	---
DH5	Ant1	2441	0.948	2440.526	2441.474	---	---
DH5	Ant1	2480	0.942	2479.529	2480.471	---	---
2DH5	Ant1	2402	1.236	2401.364	2402.600	---	---
2DH5	Ant1	2441	1.323	2440.325	2441.648	---	---
2DH5	Ant1	2480	1.335	2479.319	2480.654	---	---
3DH5	Ant1	2402	1.302	2401.343	2402.645	---	---
3DH5	Ant1	2441	1.305	2440.337	2441.642	---	---
3DH5	Ant1	2480	1.290	2479.355	2480.645	---	---

Test Graphs

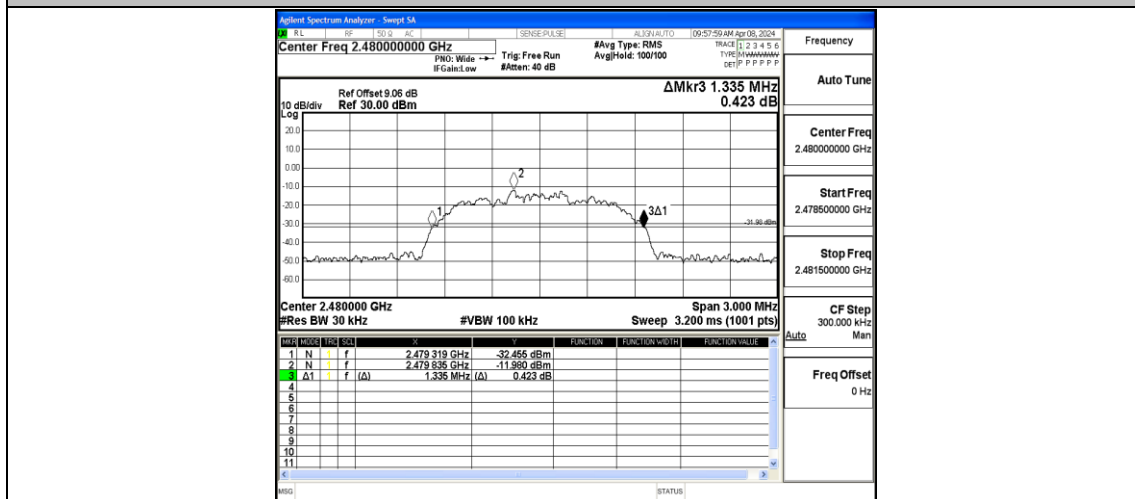




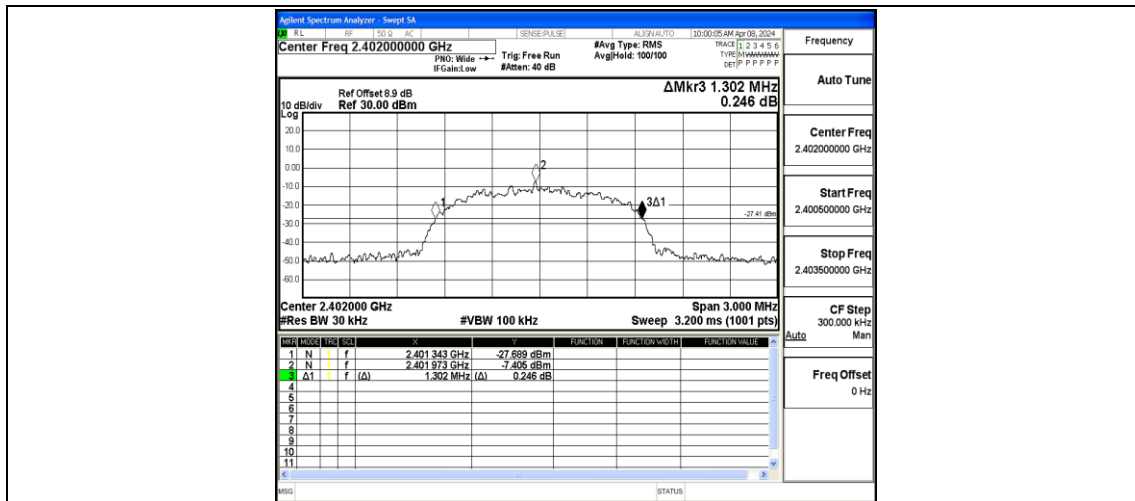
2DH5-Ant1-2402



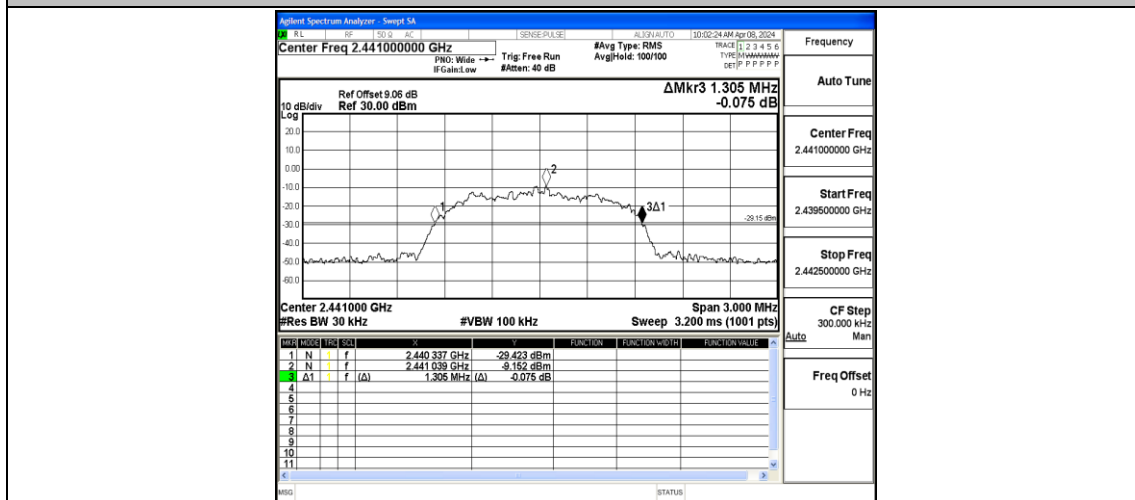
2DH5-Ant1-2441



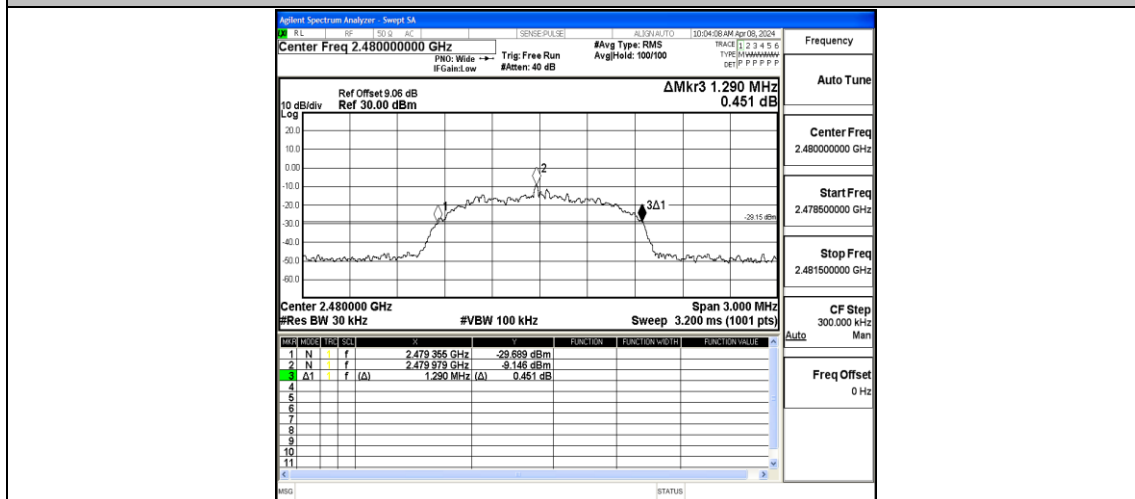
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



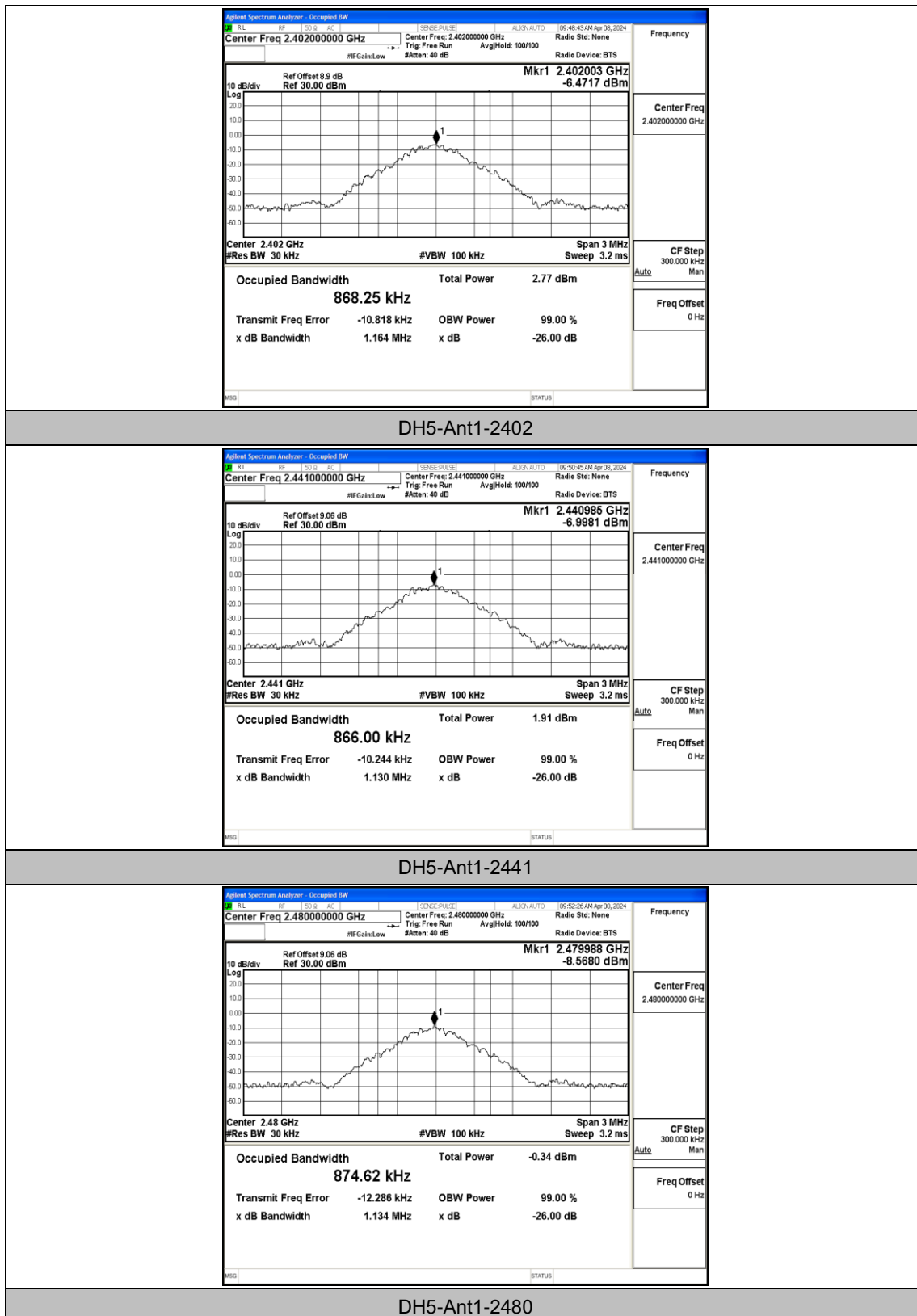
3DH5-Ant1-2480

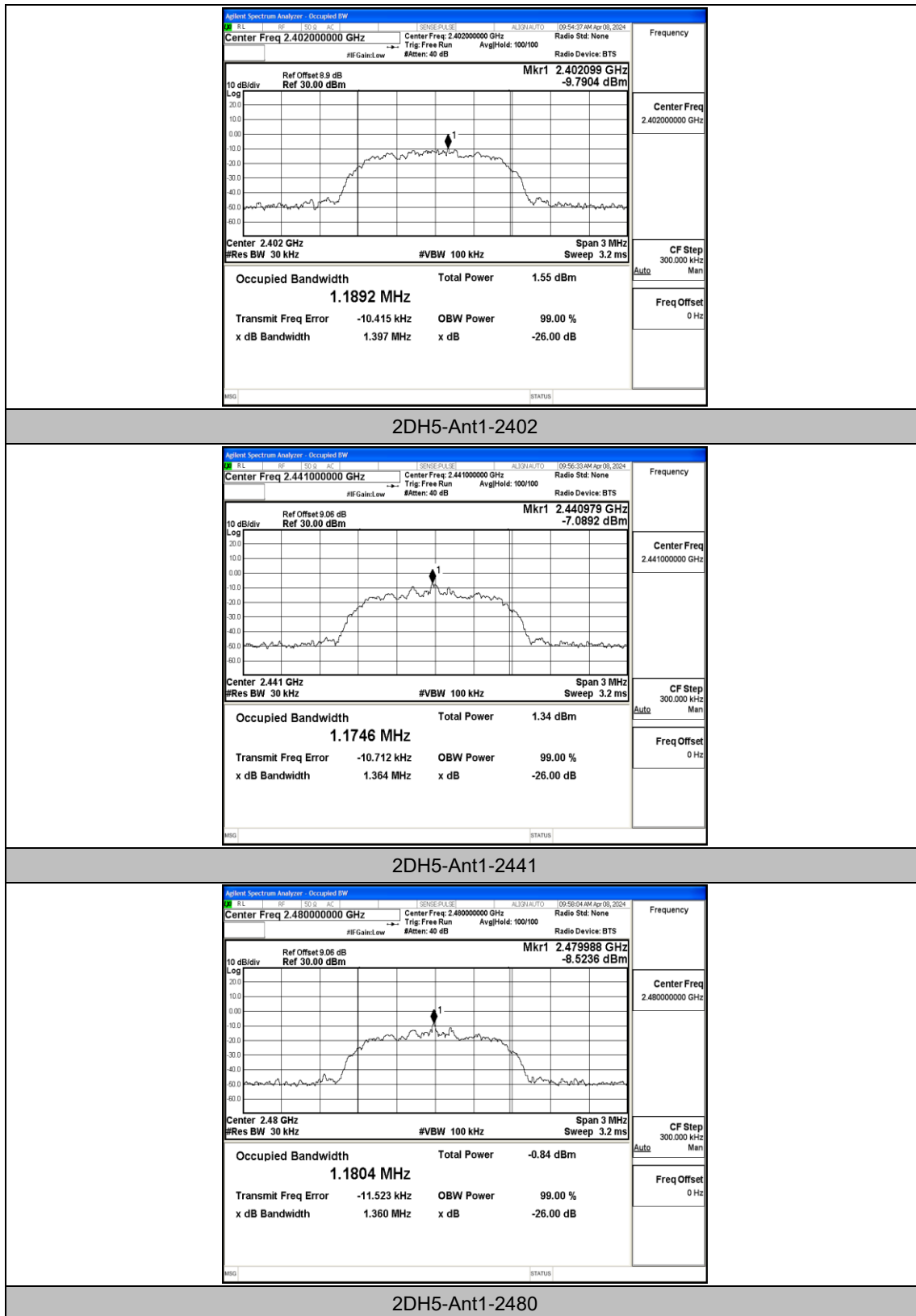
Appendix B: Occupied Channel Bandwidth

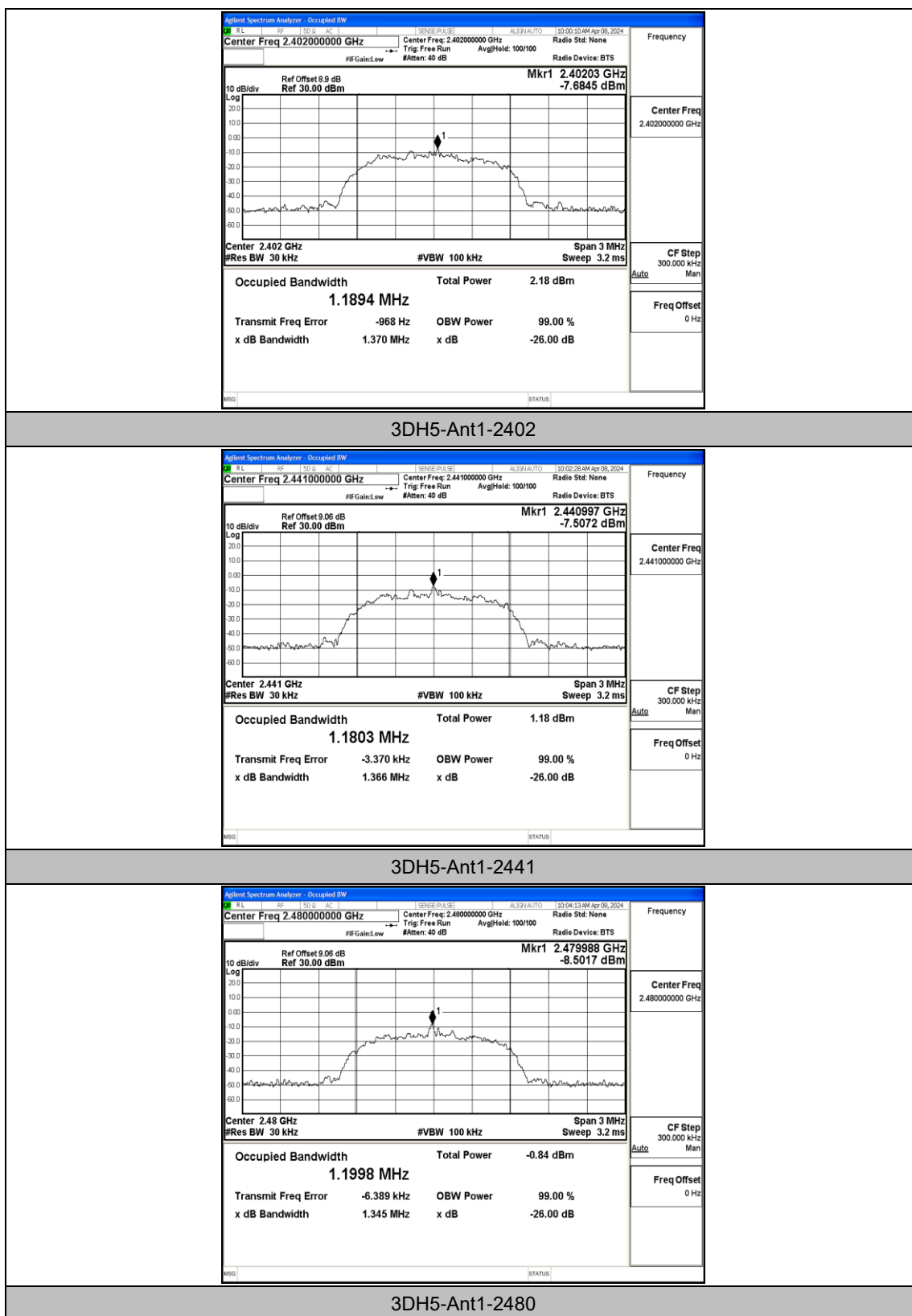
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86825	2401.5551	2402.4233	---	---
DH5	Ant1	2441	0.86600	2440.5568	2441.4228	---	---
DH5	Ant1	2480	0.87462	2479.5504	2480.4250	---	---
2DH5	Ant1	2402	1.1892	2401.3950	2402.5842	---	---
2DH5	Ant1	2441	1.1746	2440.4020	2441.5766	---	---
2DH5	Ant1	2480	1.1804	2479.3983	2480.5787	---	---
3DH5	Ant1	2402	1.1894	2401.4043	2402.5937	---	---
3DH5	Ant1	2441	1.1803	2440.4065	2441.5868	---	---
3DH5	Ant1	2480	1.1998	2479.3937	2480.5935	---	---

Test Graphs





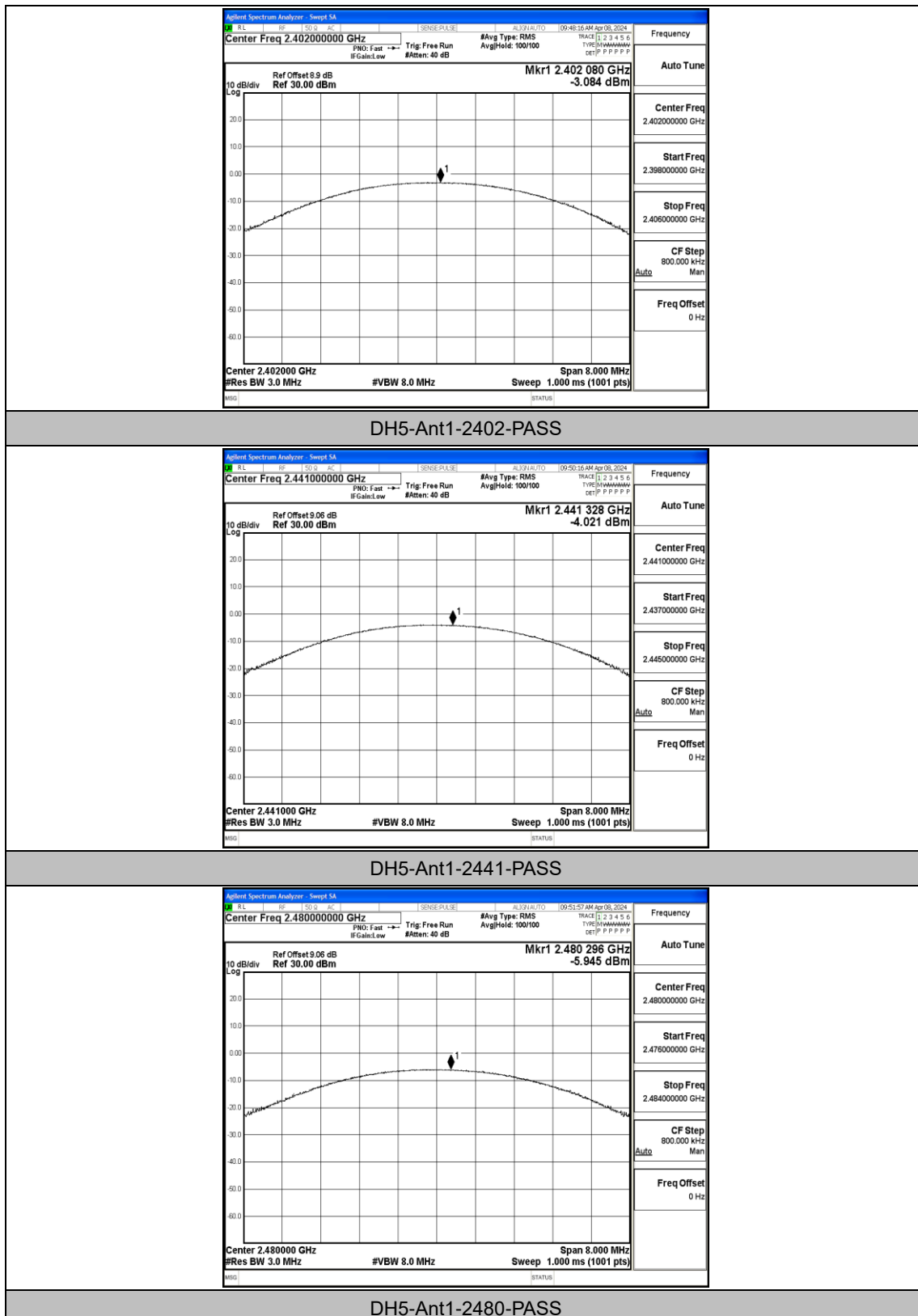


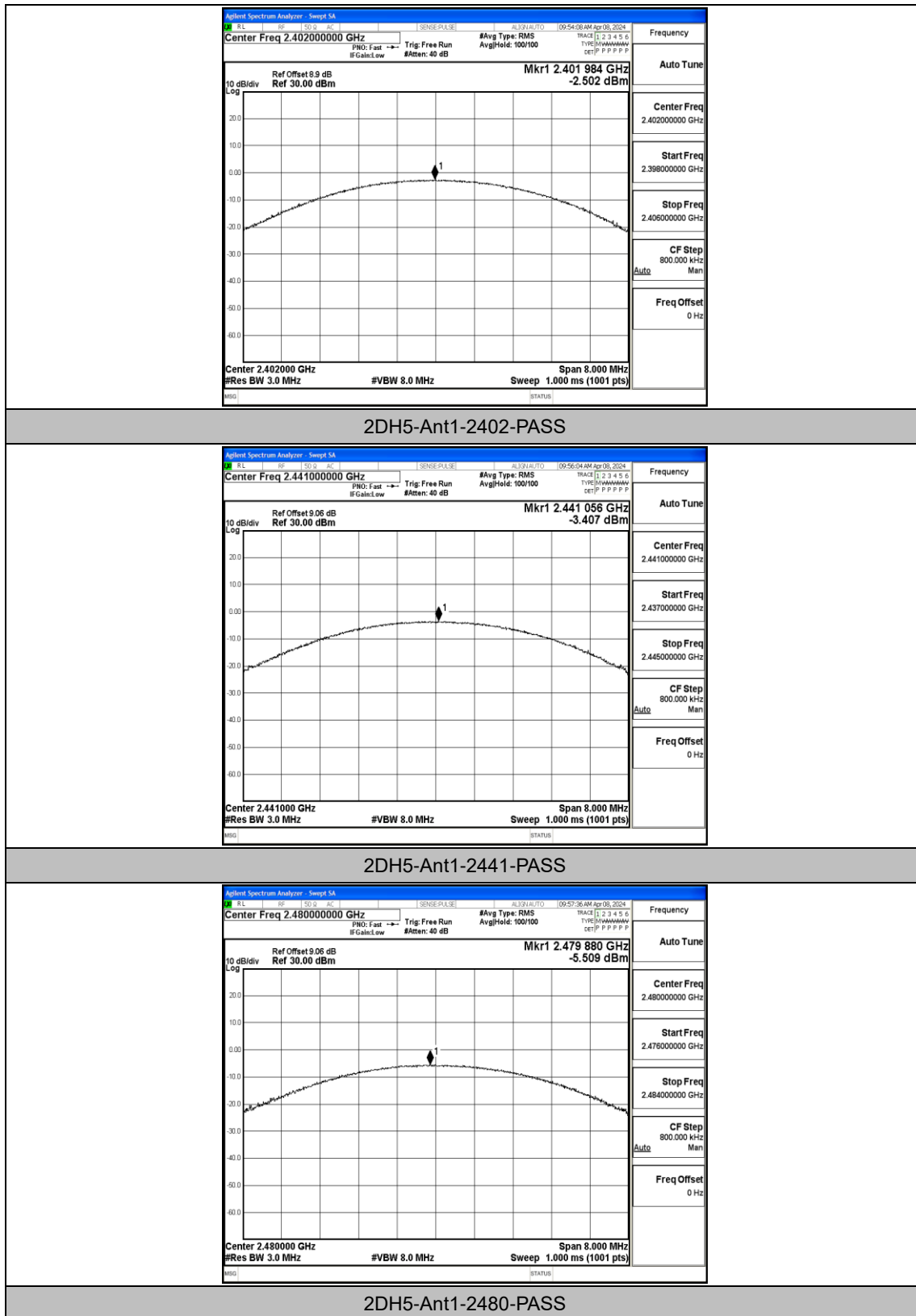
Appendix C: Maximum peak conducted output power

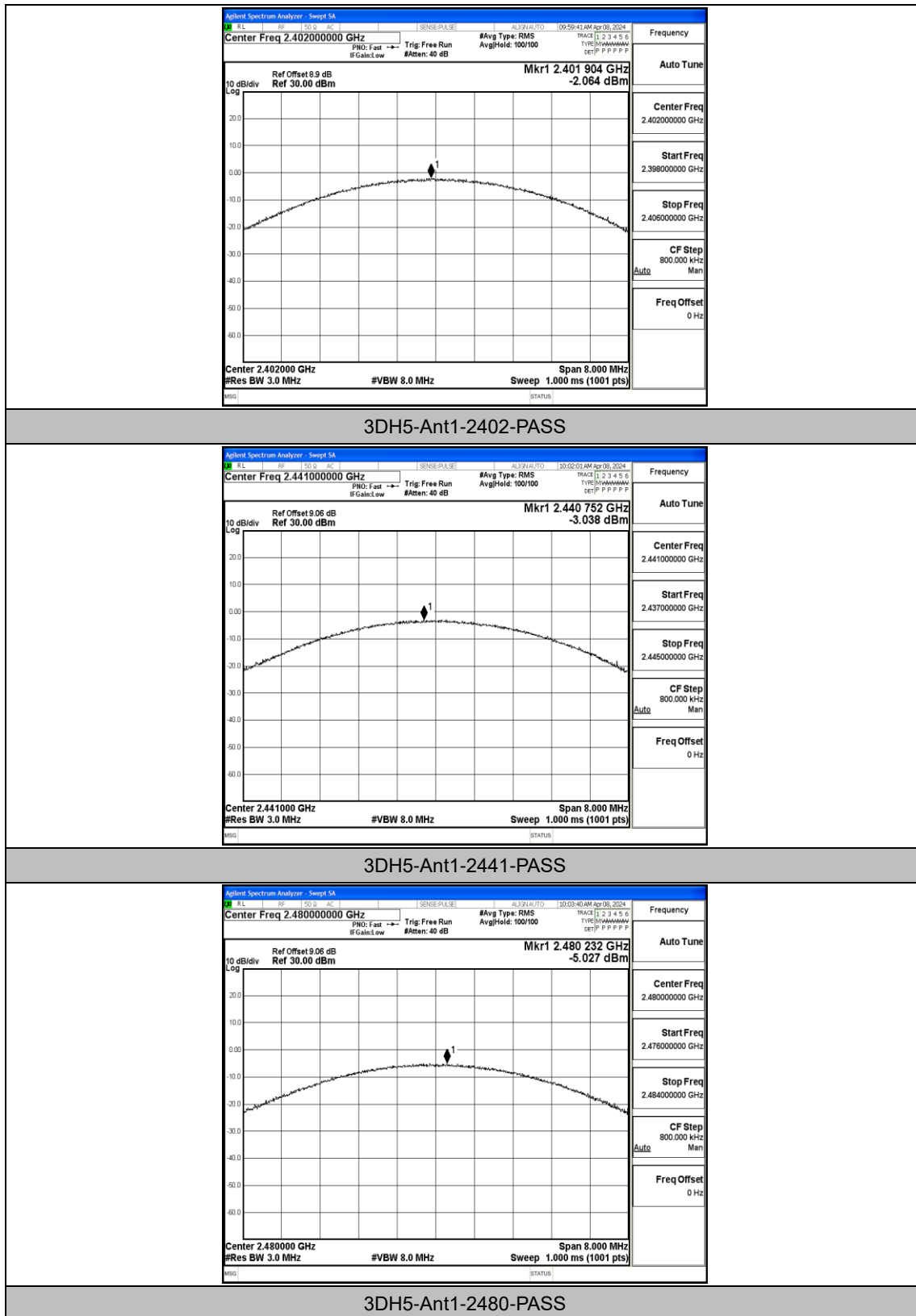
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.08	≤30	PASS
DH5	Ant1	2441	-4.02	≤30	PASS
DH5	Ant1	2480	-5.95	≤30	PASS
2DH5	Ant1	2402	-2.50	≤20.97	PASS
2DH5	Ant1	2441	-3.41	≤20.97	PASS
2DH5	Ant1	2480	-5.51	≤20.97	PASS
3DH5	Ant1	2402	-2.06	≤20.97	PASS
3DH5	Ant1	2441	-3.04	≤20.97	PASS
3DH5	Ant1	2480	-5.03	≤20.97	PASS

Test Graphs





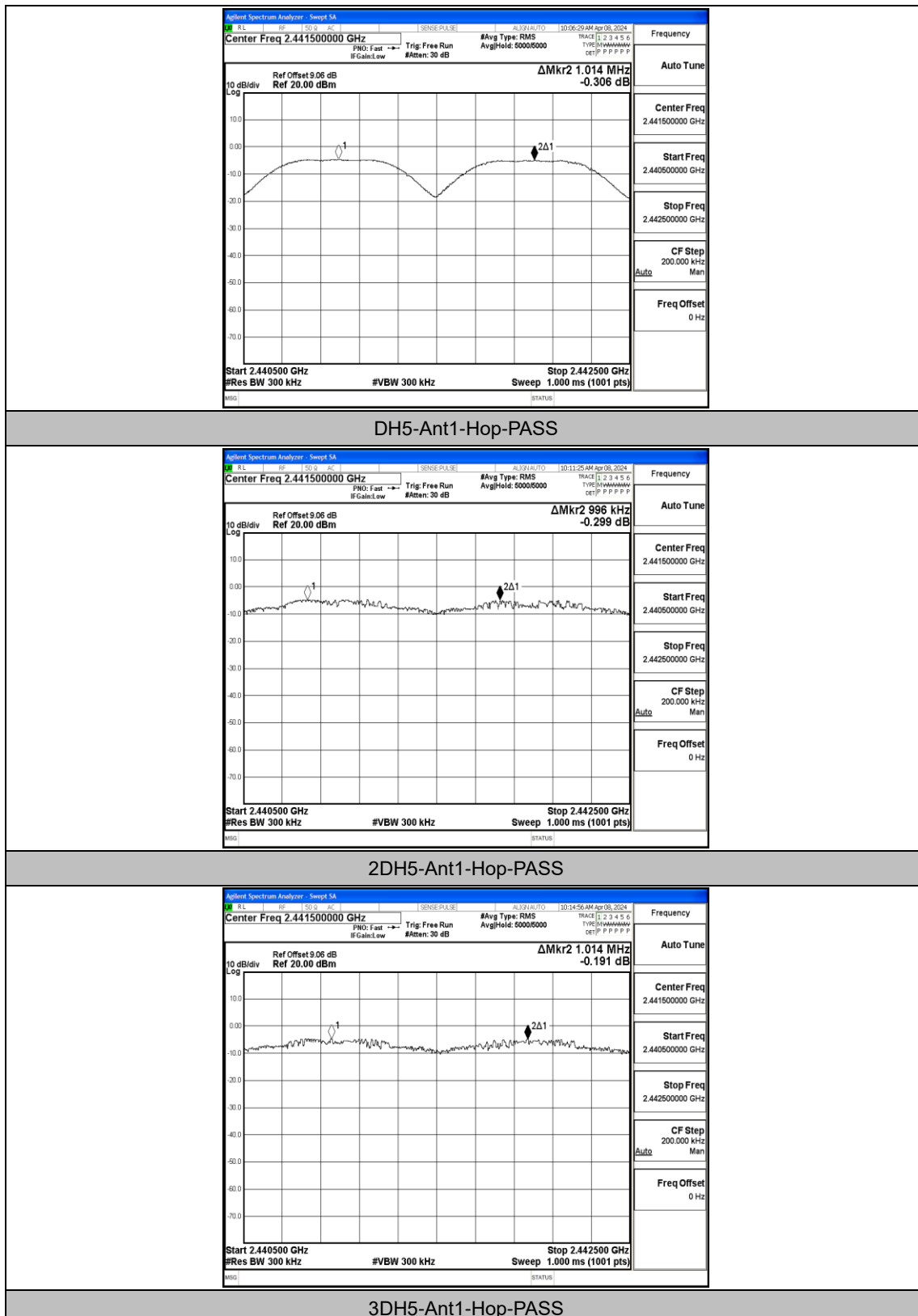


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.014	≥ 0.948	PASS
2DH5	Ant1	Hop	0.996	≥ 0.890	PASS
3DH5	Ant1	Hop	1.014	≥ 0.870	PASS

Test Graphs

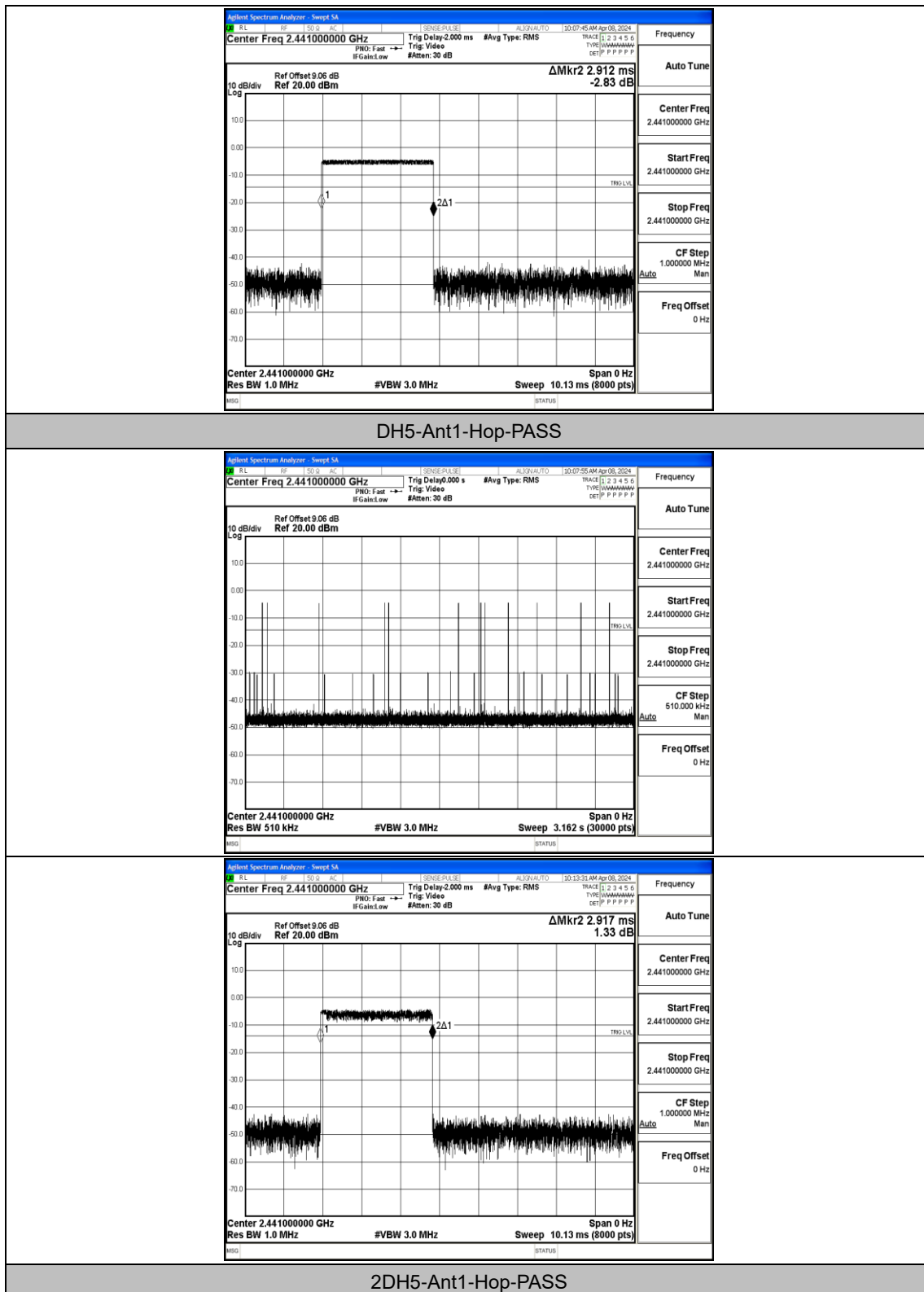


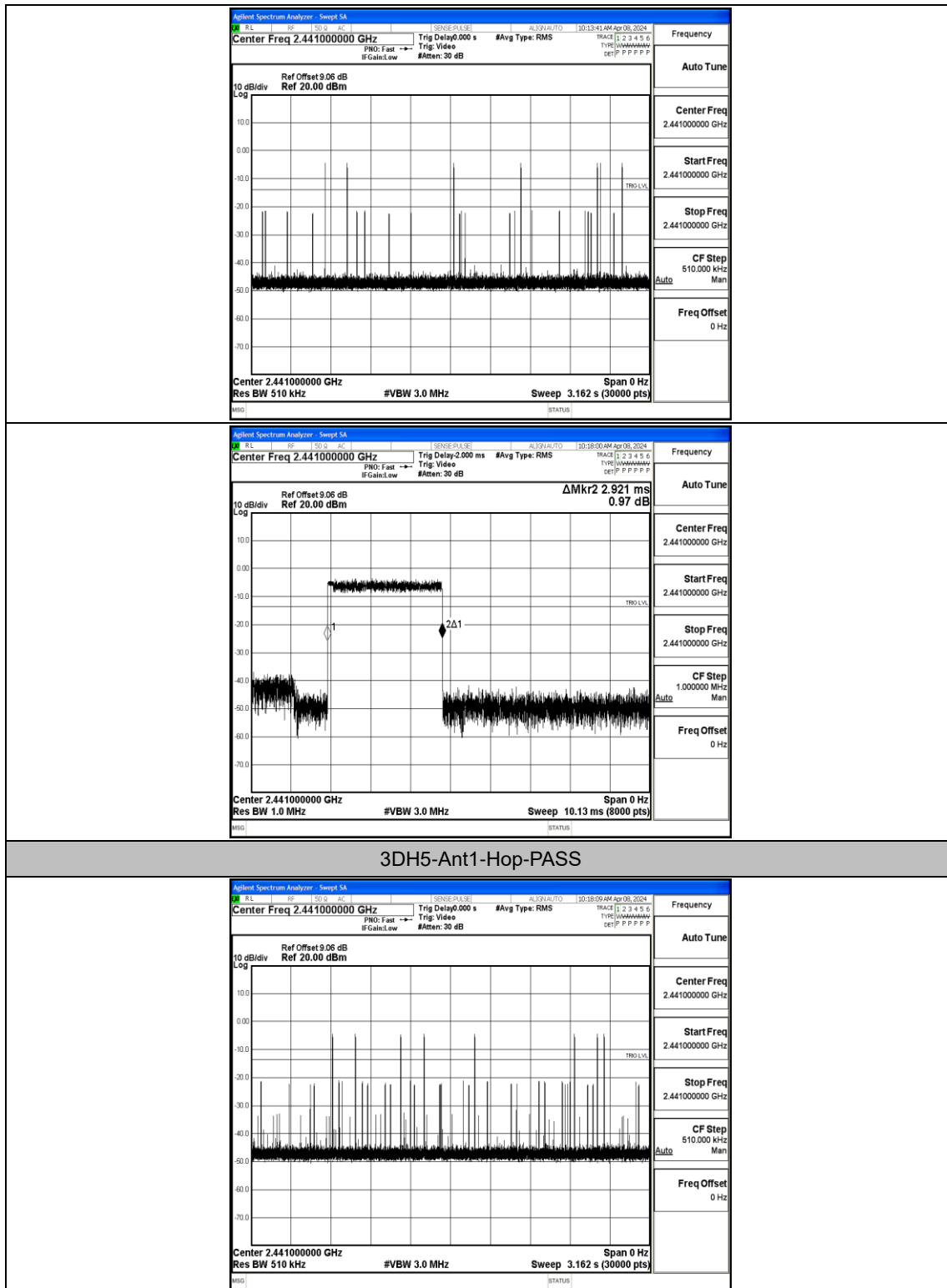
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.912	130	0.379	≤0.4	PASS
2DH5	Ant1	Hop	2.917	80	0.233	≤0.4	PASS
3DH5	Ant1	Hop	2.921	90	0.263	≤0.4	PASS

Test Graphs



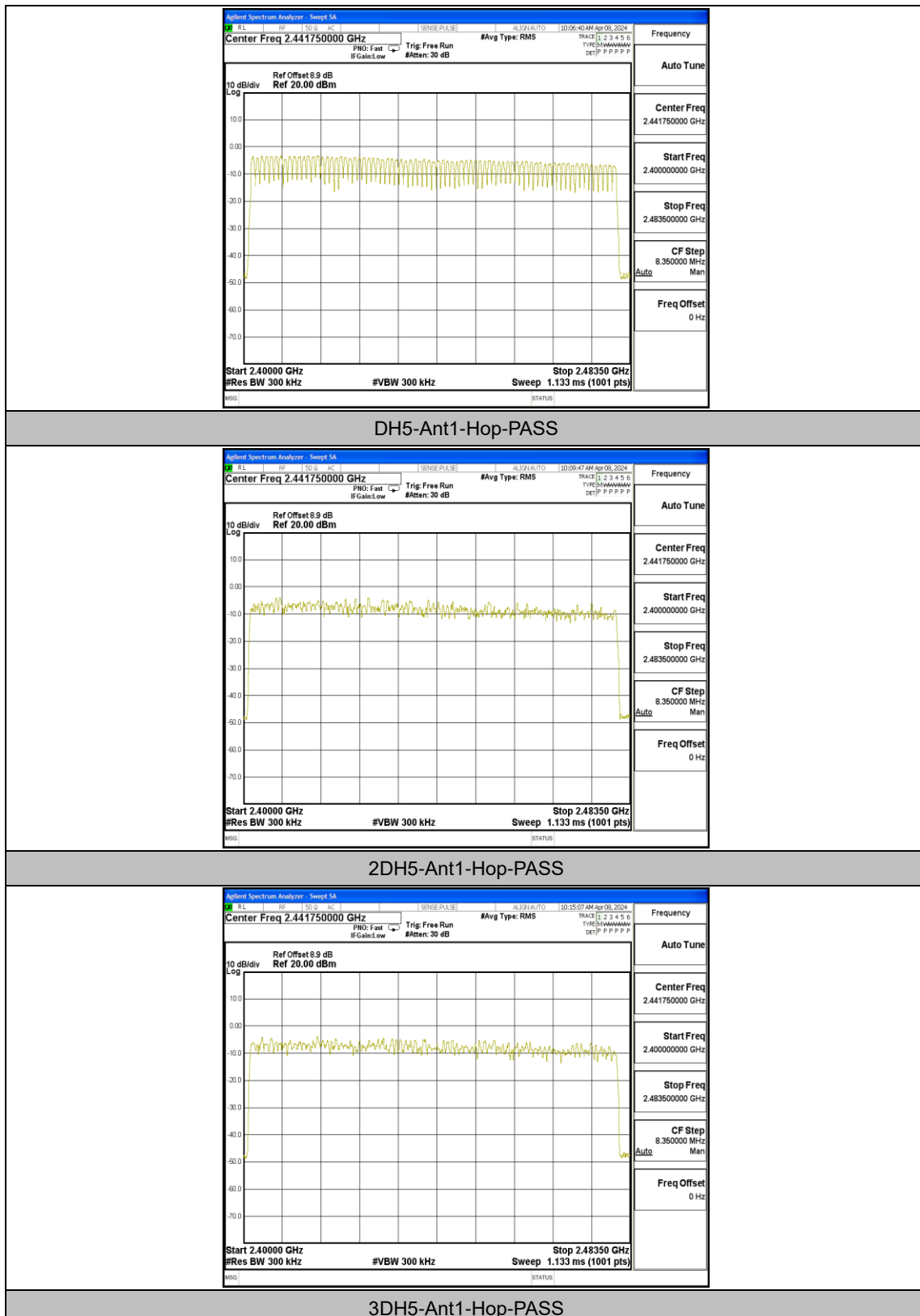


Appendix F: Number of hopping channels

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

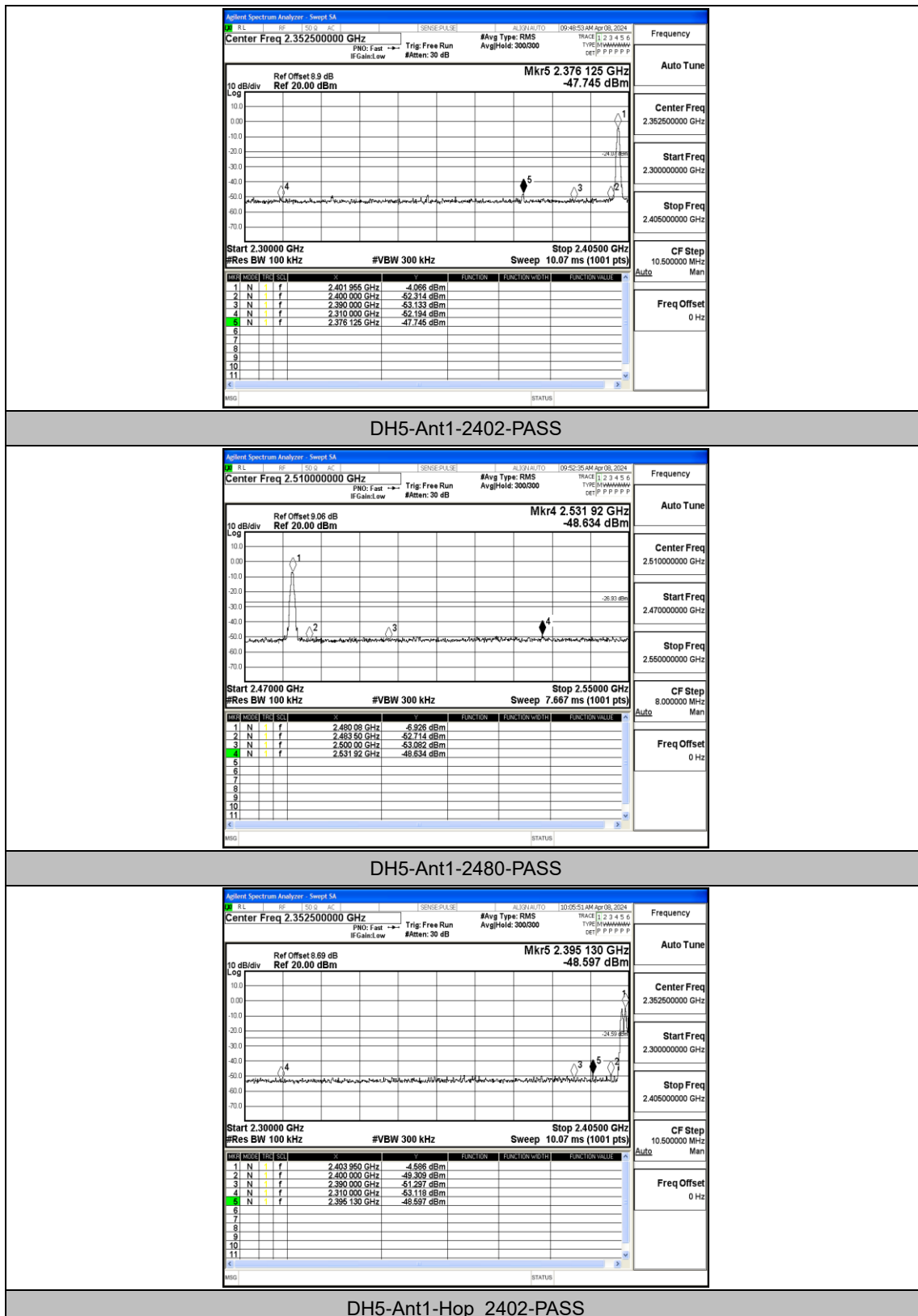


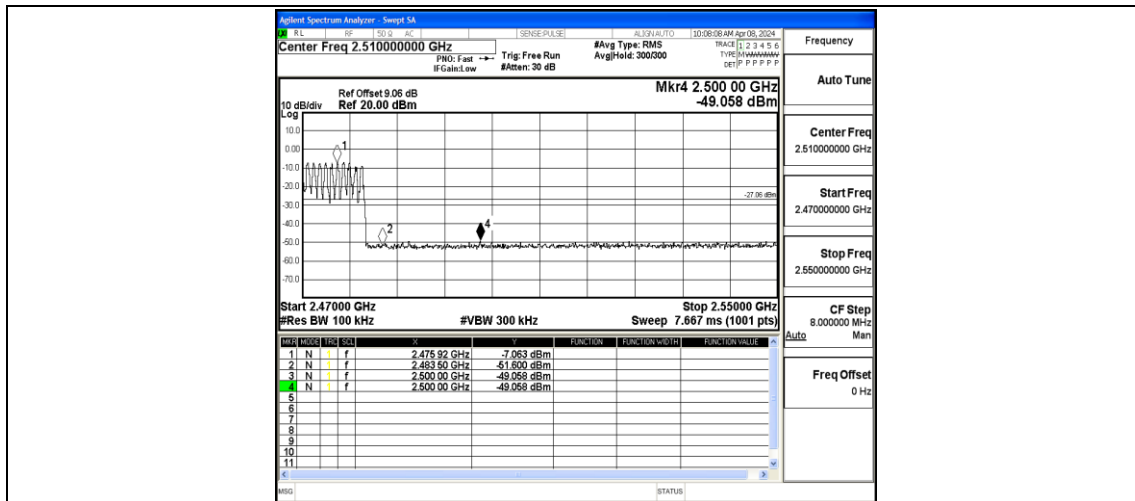
Appendix G: Band edge measurements

Test Result

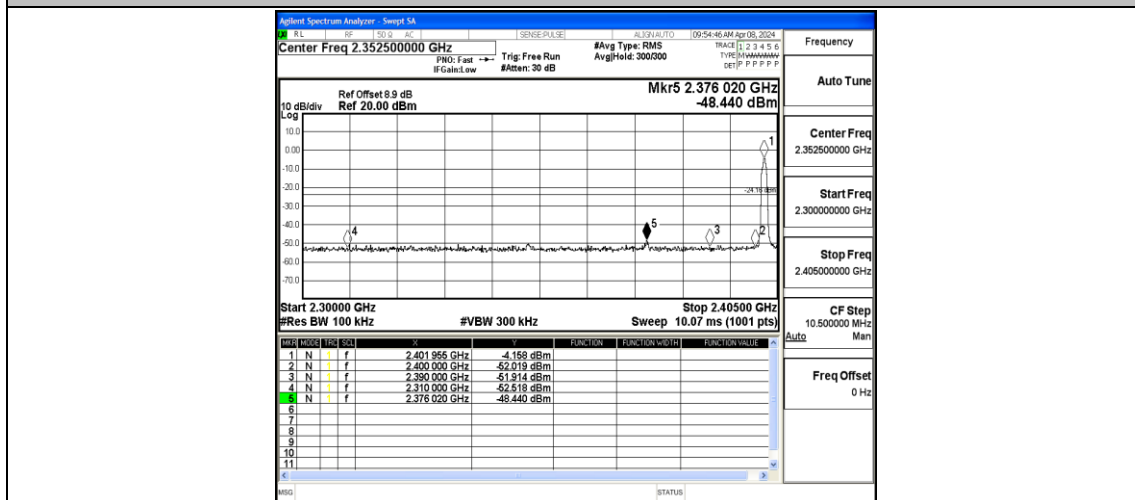
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.07	-47.75	≤ -24.07	PASS
DH5	Ant1	High	2480	-6.93	-48.63	≤ -26.93	PASS
DH5	Ant1	Low	Hop_2402	-4.59	-48.6	≤ -24.59	PASS
DH5	Ant1	High	Hop_2480	-7.06	-49.06	≤ -27.06	PASS
2DH5	Ant1	Low	2402	-4.16	-48.44	≤ -24.16	PASS
2DH5	Ant1	High	2480	-7.51	-49.17	≤ -27.51	PASS
2DH5	Ant1	Low	Hop_2402	-8.56	-48.2	≤ -28.56	PASS
2DH5	Ant1	High	Hop_2480	-7.00	-49.39	≤ -27	PASS
3DH5	Ant1	Low	2402	-4.12	-45.48	≤ -24.12	PASS
3DH5	Ant1	High	2480	-7.19	-48.55	≤ -27.19	PASS
3DH5	Ant1	Low	Hop_2402	-9.16	-48.35	≤ -29.16	PASS
3DH5	Ant1	High	Hop_2480	-10.38	-48.8	≤ -30.38	PASS

Test Graphs

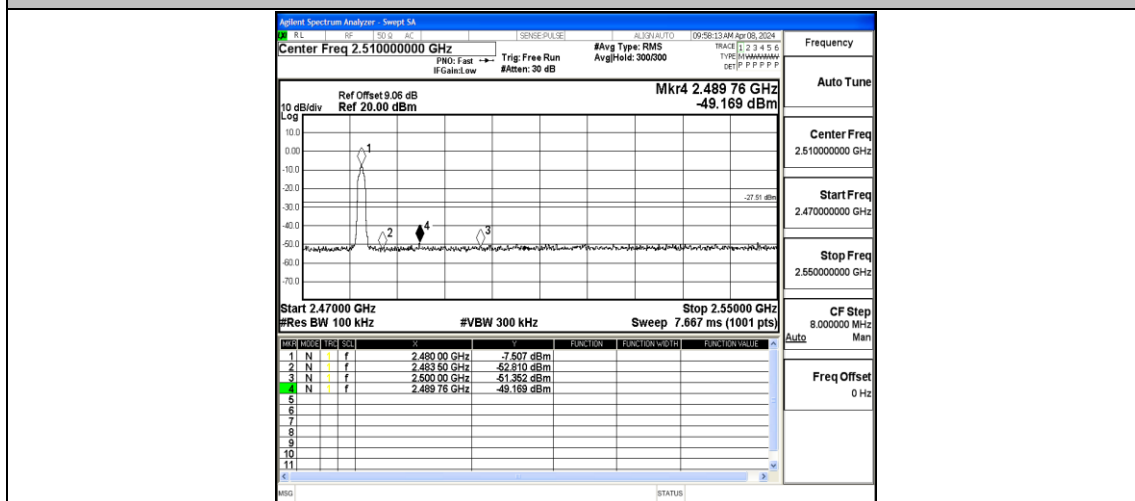




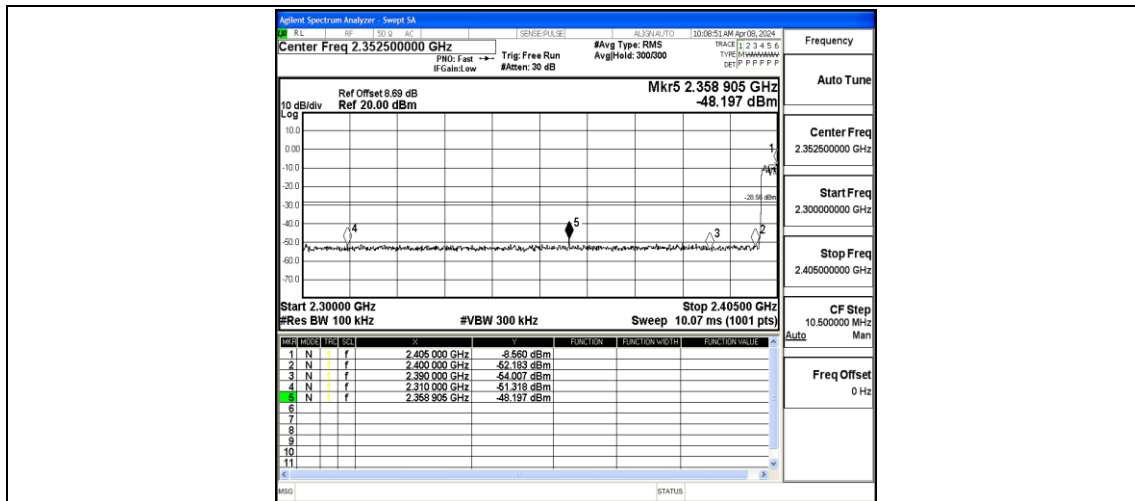
DH5-Ant1-Hop_2480-PASS



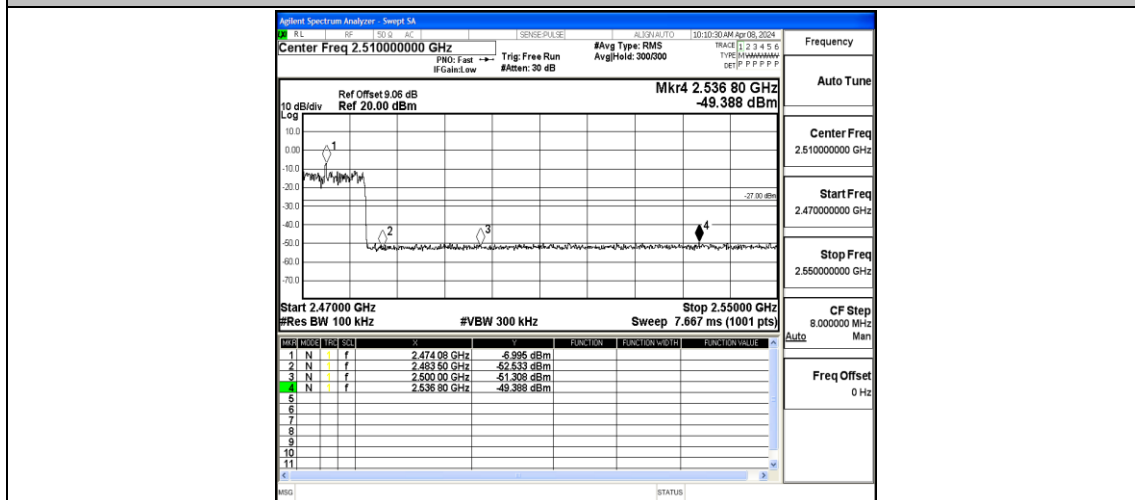
2DH5-Ant1-2402-PASS



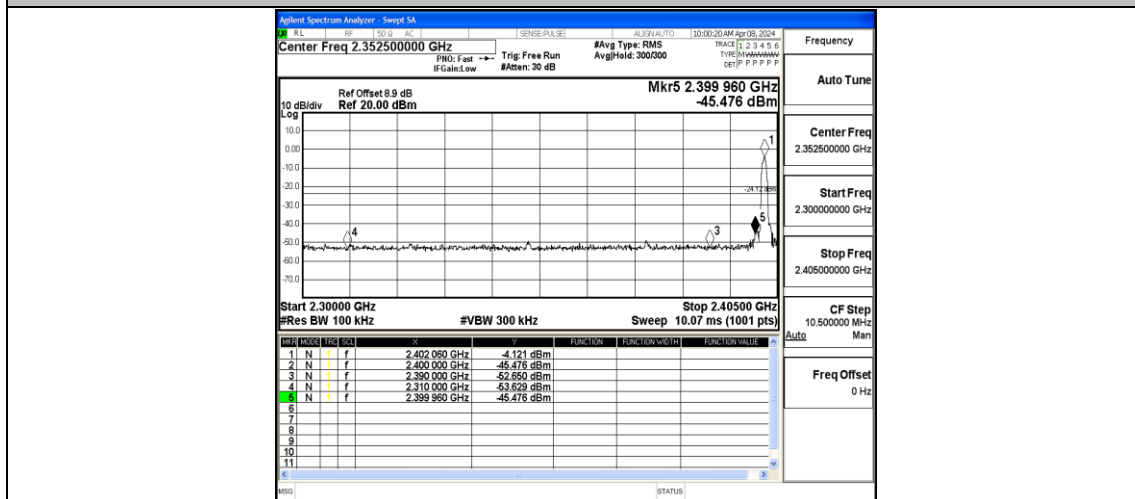
2DH5-Ant1-2480-PASS



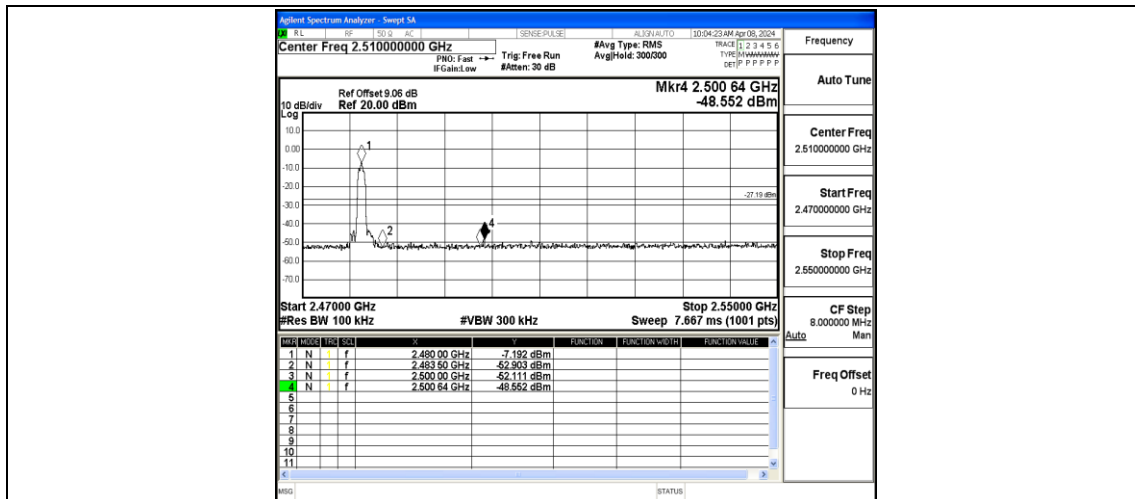
2DH5-Ant1-Hop_2402-PASS



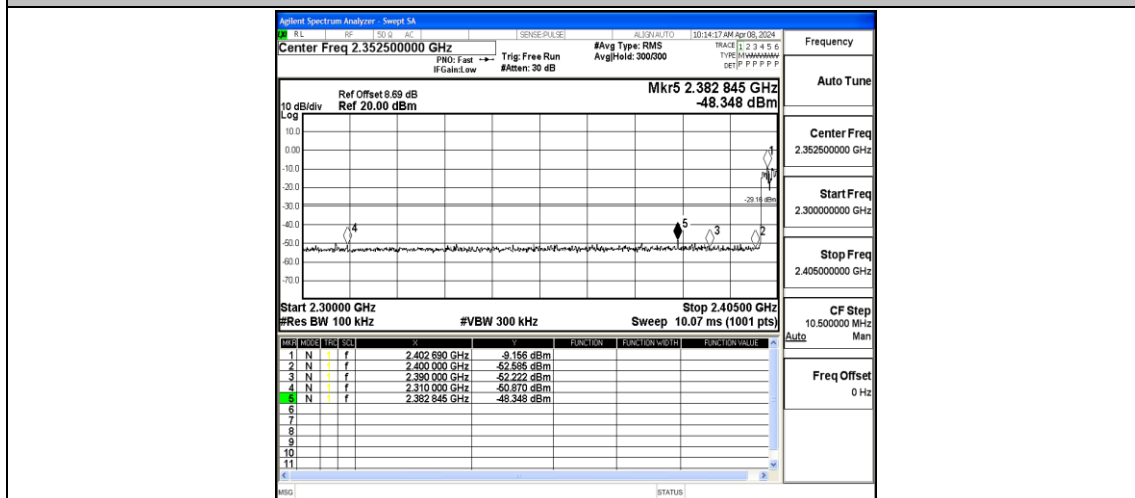
2DH5-Ant1-Hop_2480-PASS



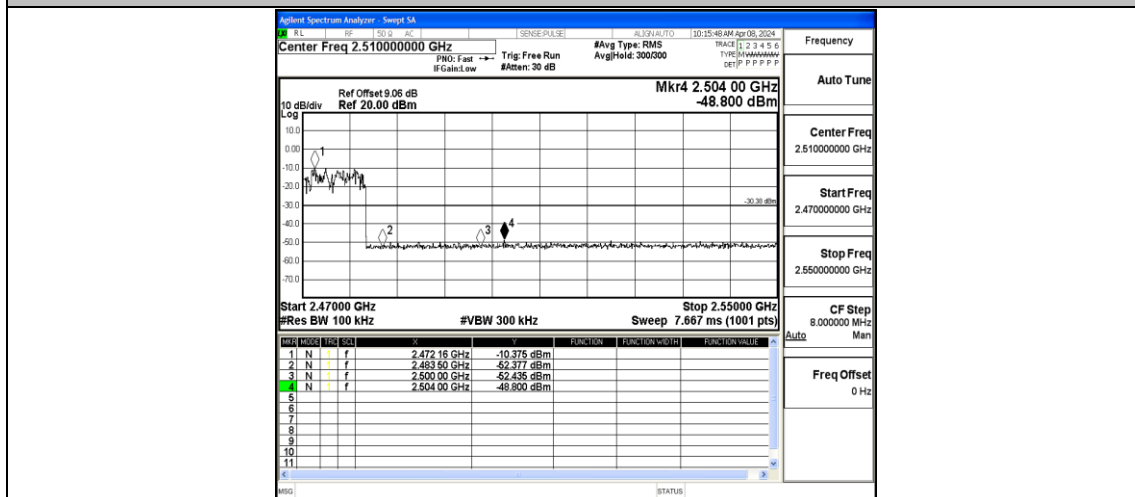
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



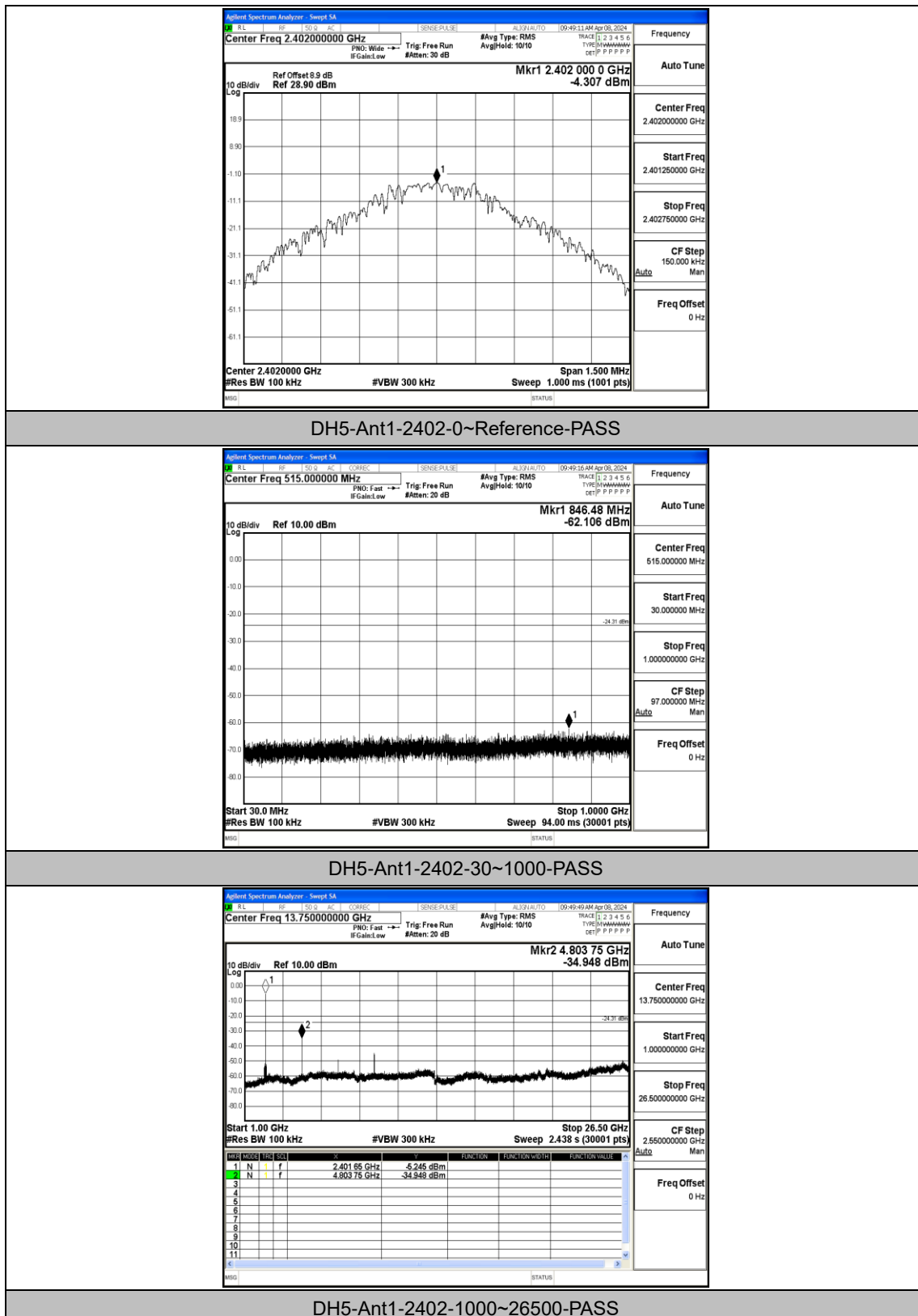
3DH5-Ant1-Hop_2480-PASS

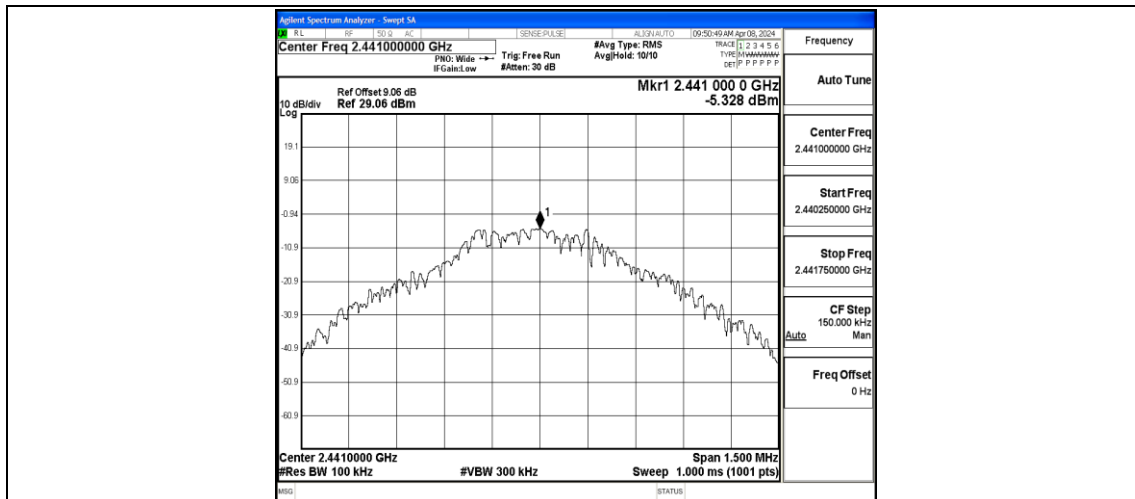
Appendix H: Conducted Spurious Emission

Test Result

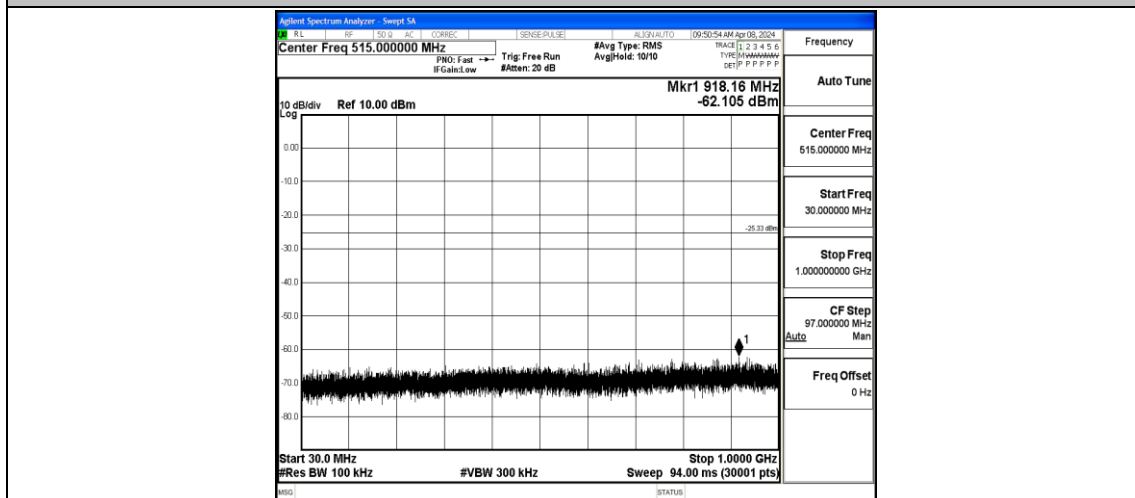
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-4.31	-4.31	---	PASS
DH5	Ant1	2402	30~1000	-4.31	-62.11	≤-24.31	PASS
DH5	Ant1	2402	1000~26500	-4.31	-34.95	≤-24.31	PASS
DH5	Ant1	2441	0~Reference	-5.33	-5.33	---	PASS
DH5	Ant1	2441	30~1000	-5.33	-62.11	≤-25.33	PASS
DH5	Ant1	2441	1000~26500	-5.33	-36.08	≤-25.33	PASS
DH5	Ant1	2480	0~Reference	-7.60	-7.60	---	PASS
DH5	Ant1	2480	30~1000	-7.60	-62.37	≤-27.6	PASS
DH5	Ant1	2480	1000~26500	-7.60	-39.47	≤-27.6	PASS
2DH5	Ant1	2402	0~Reference	-8.36	-8.36	---	PASS
2DH5	Ant1	2402	30~1000	-8.36	-62.26	≤-28.36	PASS
2DH5	Ant1	2402	1000~26500	-8.36	-38.26	≤-28.36	PASS
2DH5	Ant1	2441	0~Reference	-9.61	-9.61	---	PASS
2DH5	Ant1	2441	30~1000	-9.61	-62.57	≤-29.61	PASS
2DH5	Ant1	2441	1000~26500	-9.61	-41.91	≤-29.61	PASS
2DH5	Ant1	2480	0~Reference	-7.62	-7.62	---	PASS
2DH5	Ant1	2480	30~1000	-7.62	-62.55	≤-27.62	PASS
2DH5	Ant1	2480	1000~26500	-7.62	-43.27	≤-27.62	PASS
3DH5	Ant1	2402	0~Reference	-7.88	-7.88	---	PASS
3DH5	Ant1	2402	30~1000	-7.88	-61.87	≤-27.88	PASS
3DH5	Ant1	2402	1000~26500	-7.88	-35.21	≤-27.88	PASS
3DH5	Ant1	2441	0~Reference	-5.96	-5.96	---	PASS
3DH5	Ant1	2441	30~1000	-5.96	-63.03	≤-25.96	PASS
3DH5	Ant1	2441	1000~26500	-5.96	-39.4	≤-25.96	PASS
3DH5	Ant1	2480	0~Reference	-11.07	-11.07	---	PASS
3DH5	Ant1	2480	30~1000	-11.07	-62.34	≤-31.07	PASS
3DH5	Ant1	2480	1000~26500	-11.07	-42.14	≤-31.07	PASS

Test Graphs

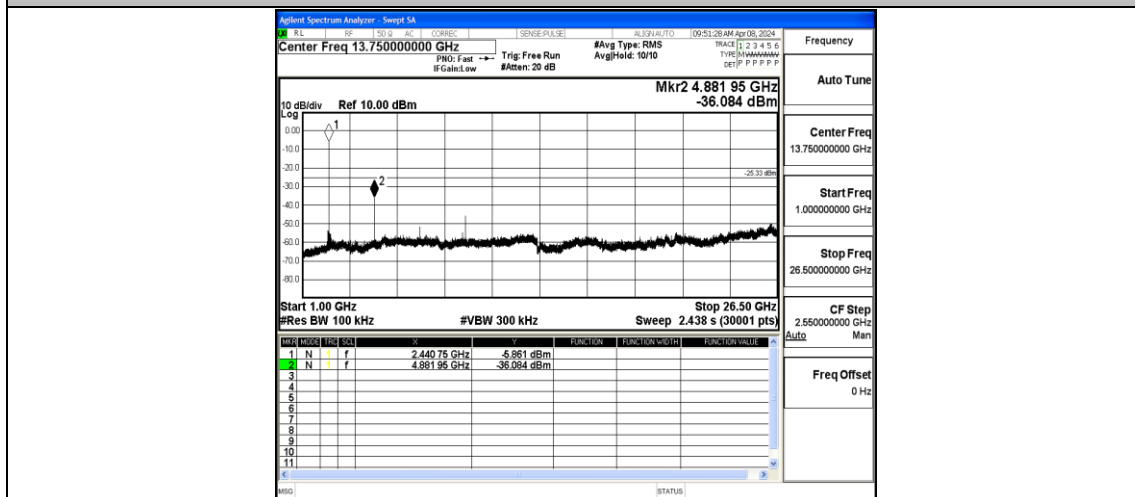




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS