

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

Product Name: TAS230 Hybrid ANC Metal Headphones

Trade Mark: TAS

Test Model: TAS 230

FCC ID: 2BGBK-TAS230

Environmental Conditions

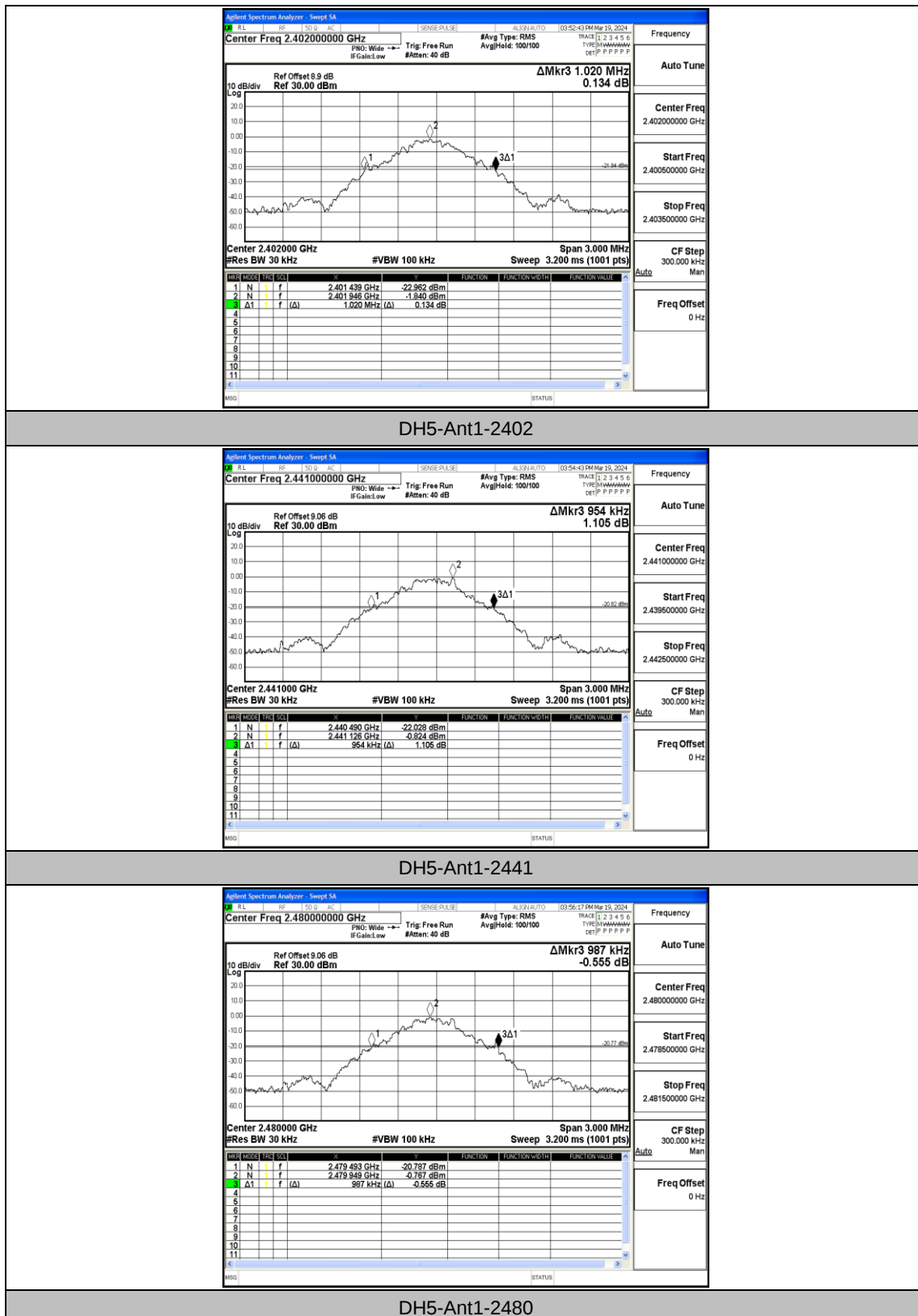
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

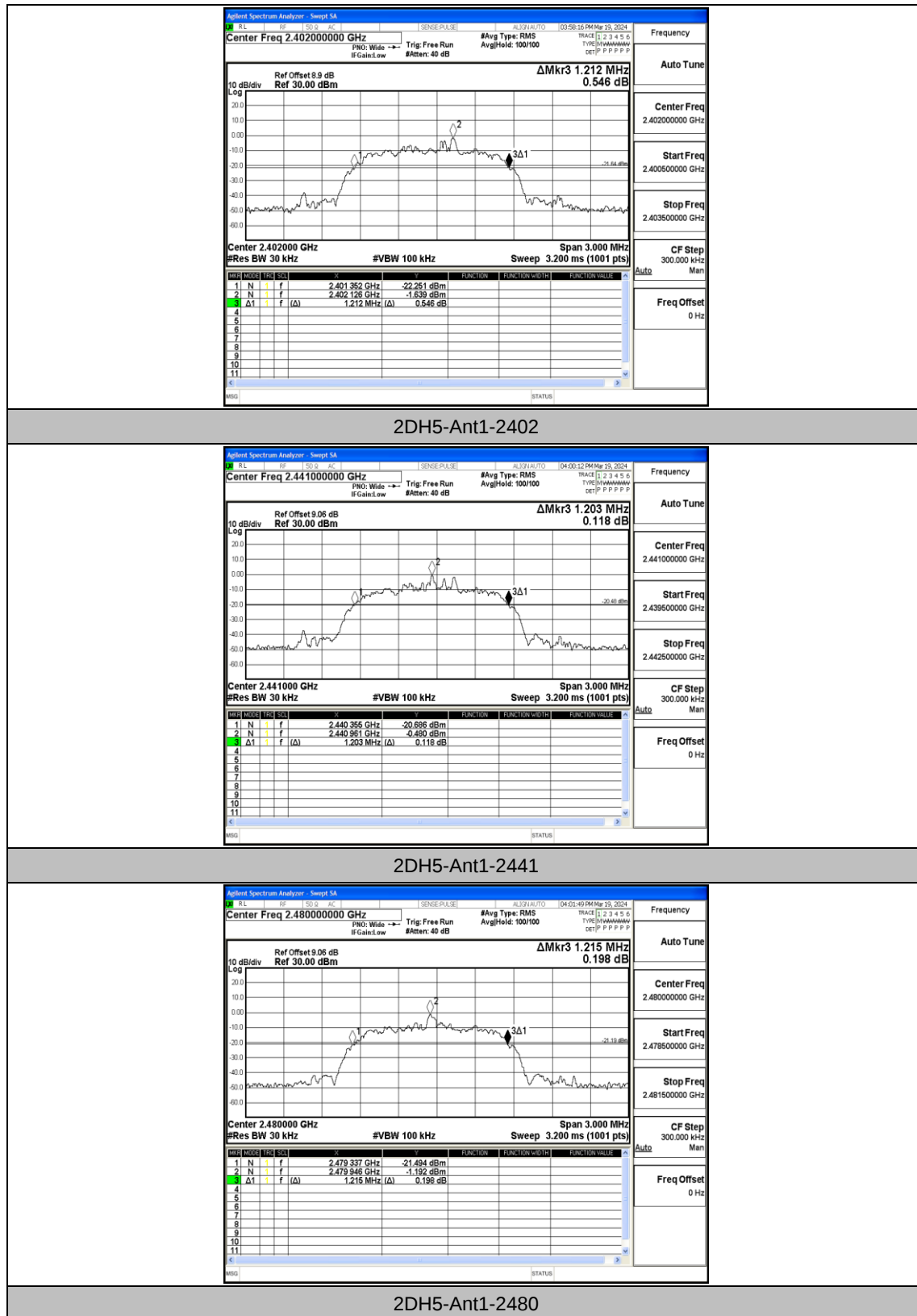
Appendix A: 20dB Emission Bandwidth

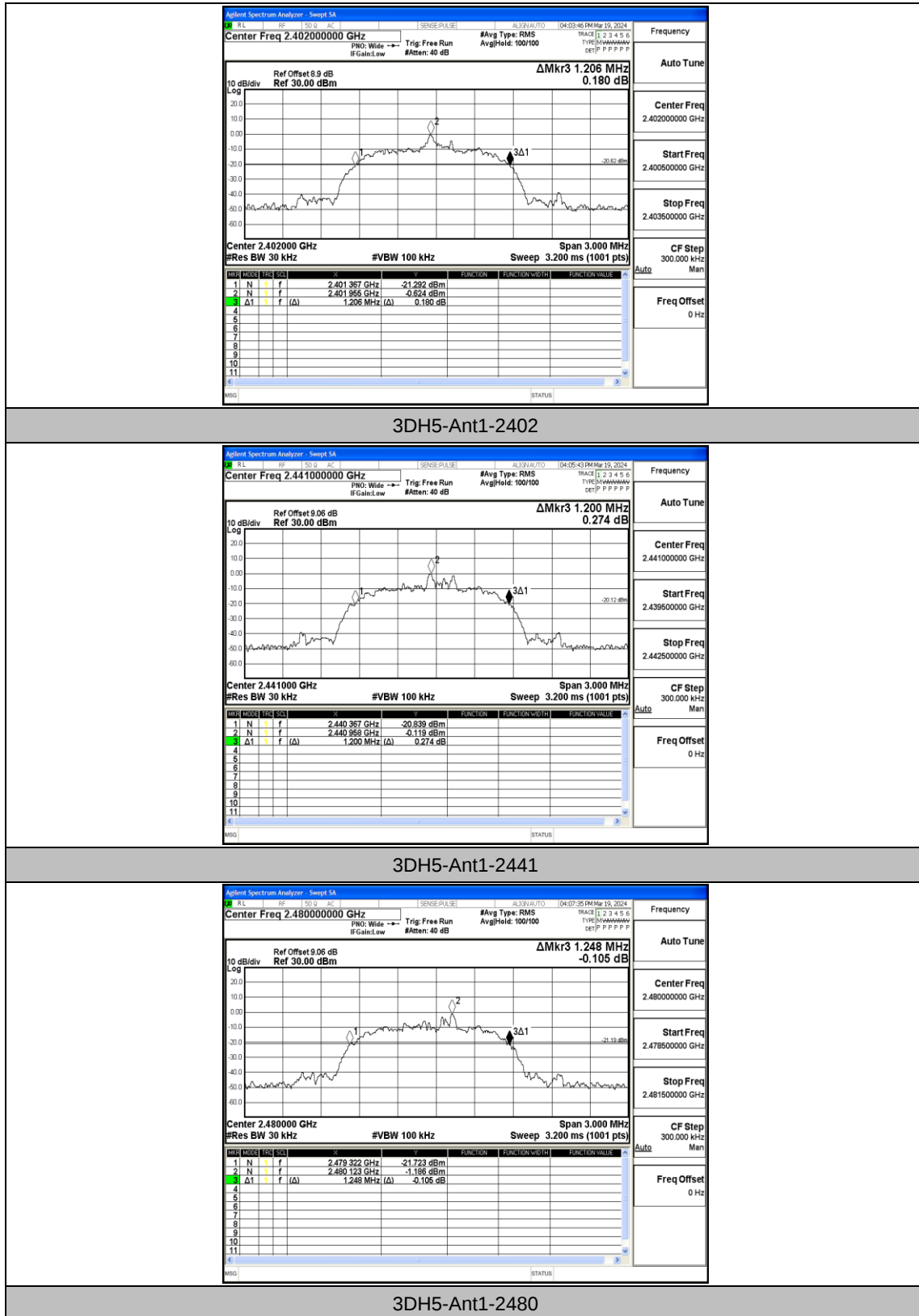
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.020	2401.439	2402.459	---	---
DH5	Ant1	2441	0.954	2440.490	2441.444	---	---
DH5	Ant1	2480	0.987	2479.493	2480.480	---	---
2DH5	Ant1	2402	1.212	2401.352	2402.564	---	---
2DH5	Ant1	2441	1.203	2440.355	2441.558	---	---
2DH5	Ant1	2480	1.215	2479.337	2480.552	---	---
3DH5	Ant1	2402	1.206	2401.367	2402.573	---	---
3DH5	Ant1	2441	1.200	2440.367	2441.567	---	---
3DH5	Ant1	2480	1.248	2479.322	2480.570	---	---

Test Graphs





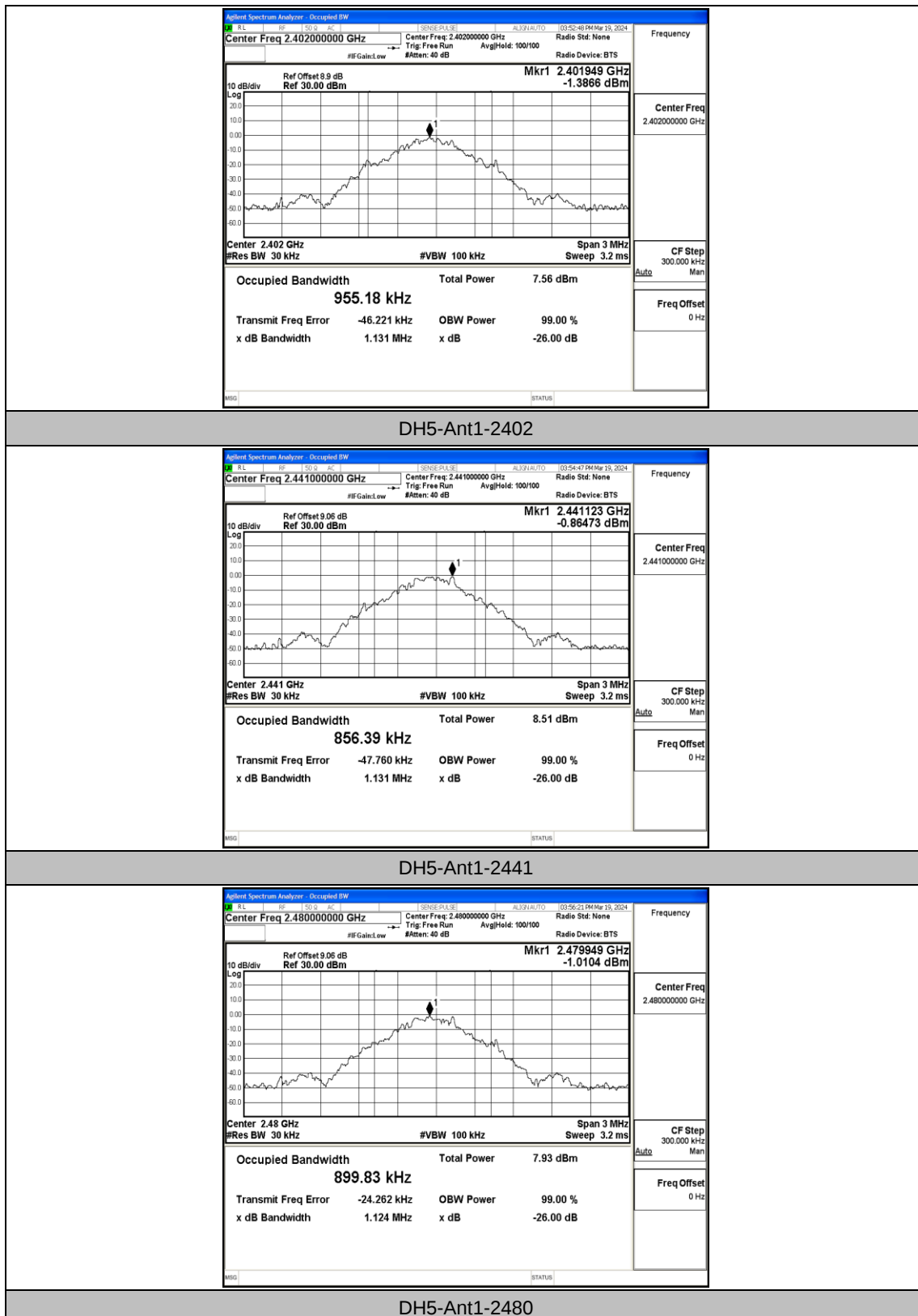


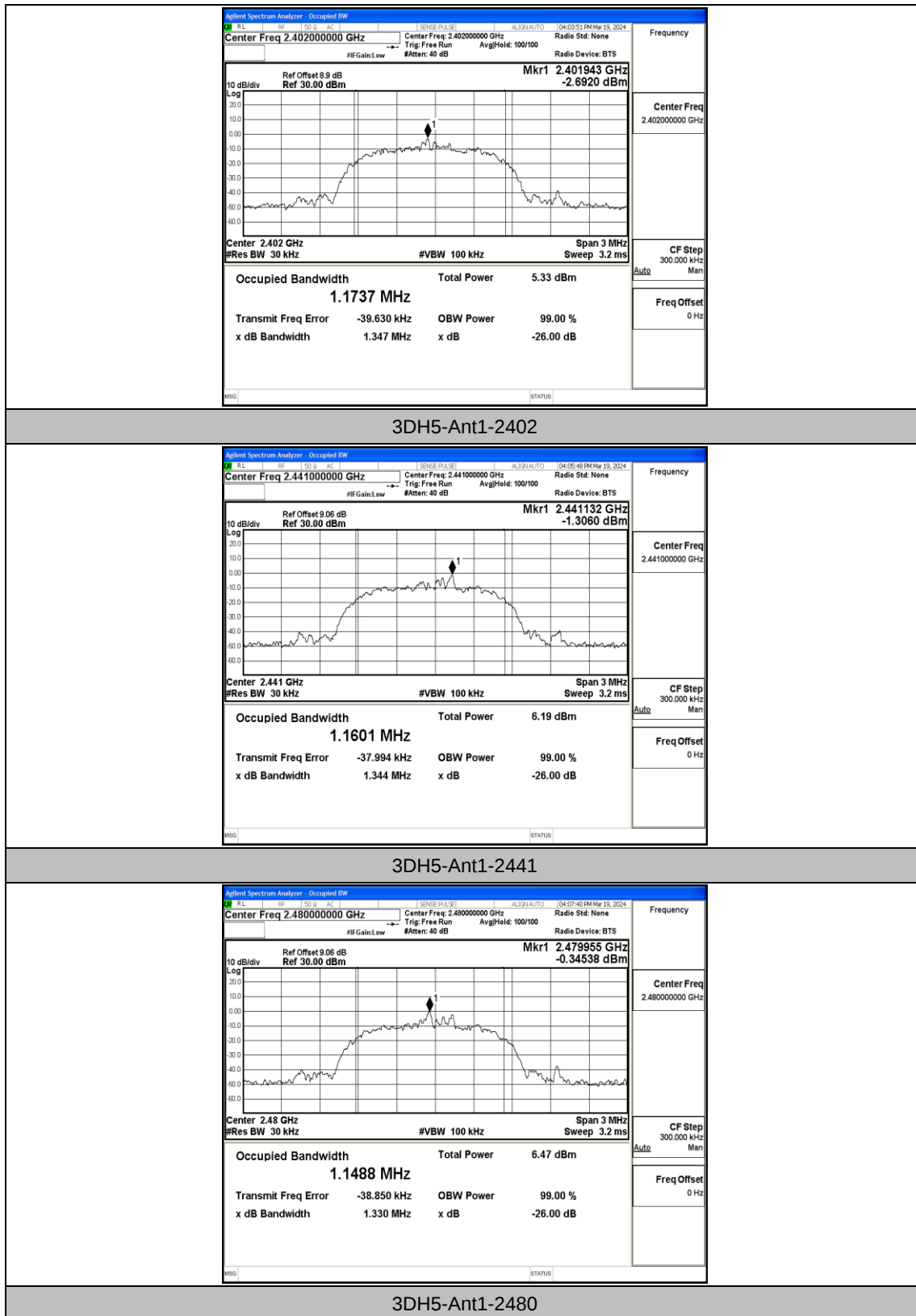
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95518	2401.4762	2402.4314	---	---
DH5	Ant1	2441	0.85639	2440.5240	2441.3804	---	---
DH5	Ant1	2480	0.89983	2479.5258	2480.4257	---	---
2DH5	Ant1	2402	1.1522	2401.3785	2402.5307	---	---
2DH5	Ant1	2441	1.1677	2440.3730	2441.5407	---	---
2DH5	Ant1	2480	1.1634	2479.3748	2480.5382	---	---
3DH5	Ant1	2402	1.1737	2401.3735	2402.5472	---	---
3DH5	Ant1	2441	1.1601	2440.3820	2441.5421	---	---
3DH5	Ant1	2480	1.1488	2479.3868	2480.5356	---	---

Test Graphs



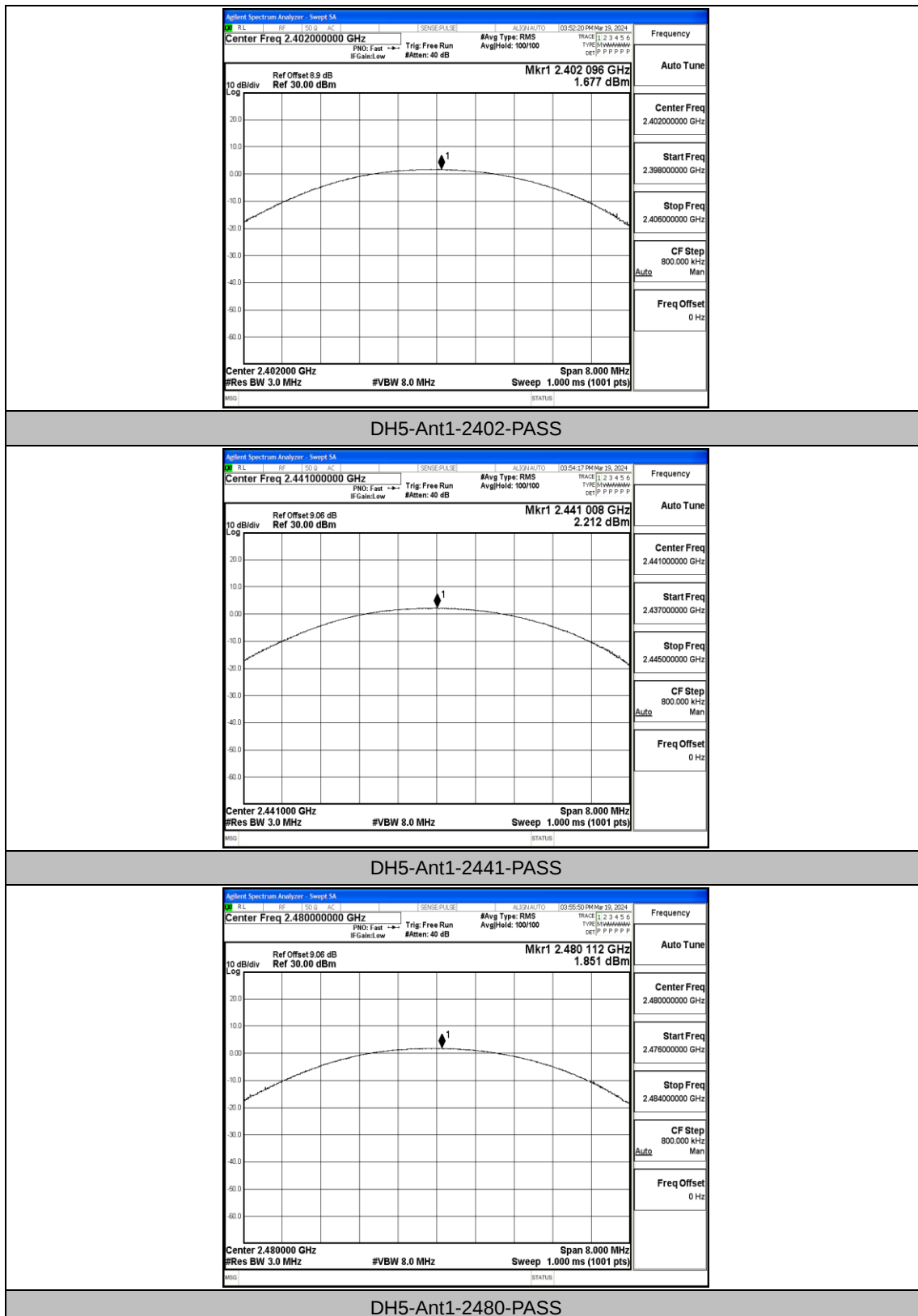


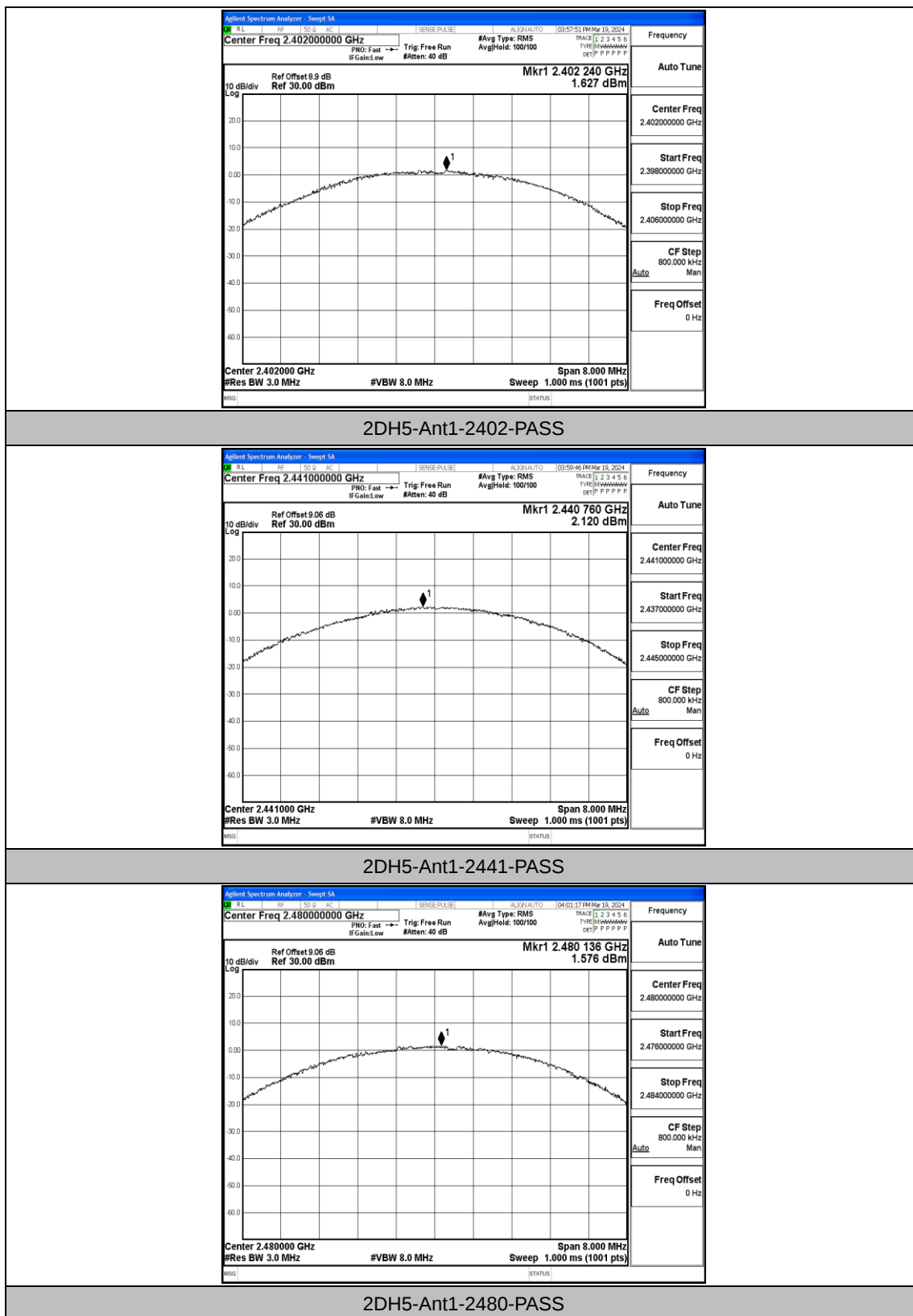
Appendix C: Maximum peak conducted output power

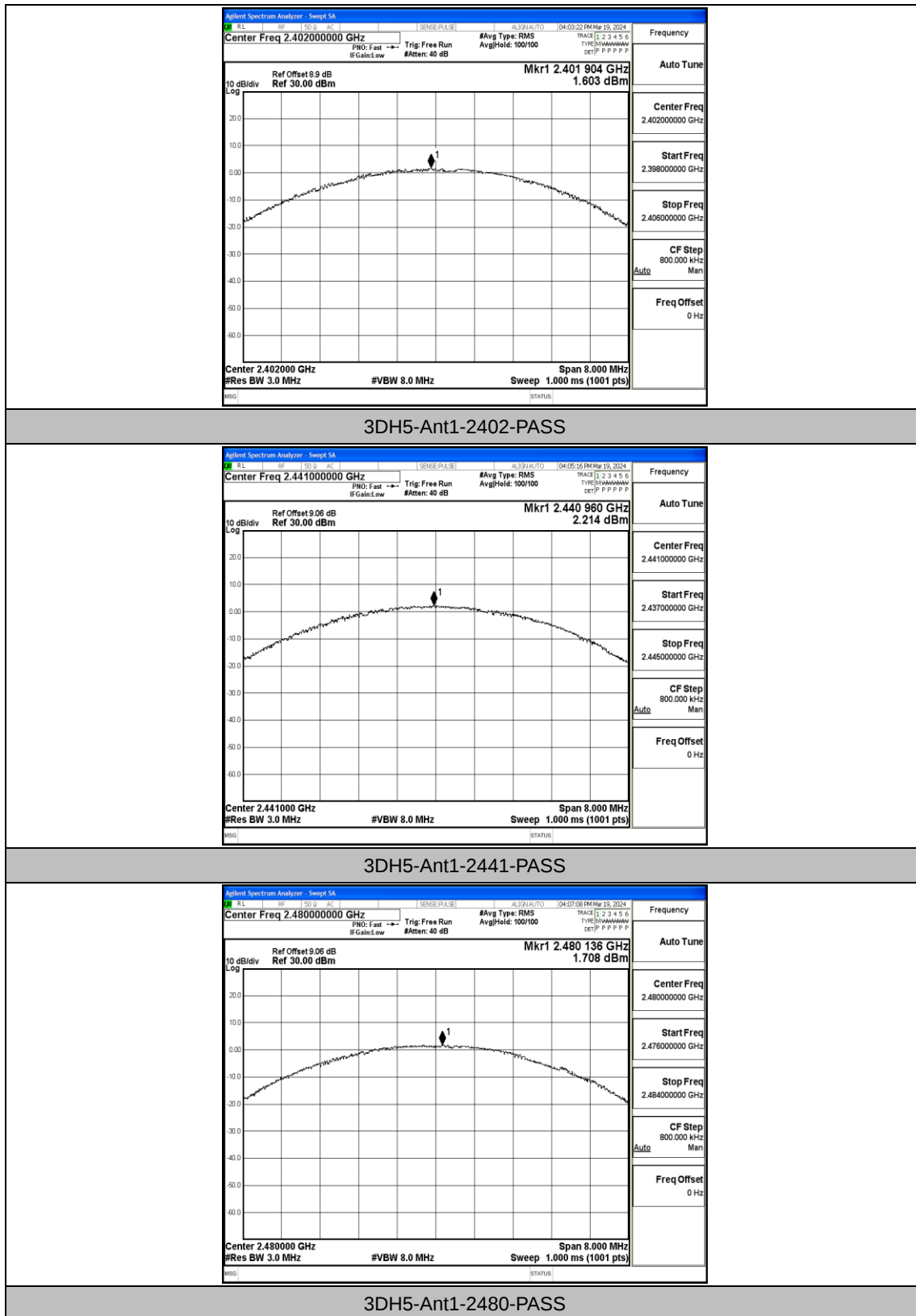
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.68	≤30	PASS
DH5	Ant1	2441	2.21	≤30	PASS
DH5	Ant1	2480	1.85	≤30	PASS
2DH5	Ant1	2402	1.63	≤20.97	PASS
2DH5	Ant1	2441	2.12	≤20.97	PASS
2DH5	Ant1	2480	1.58	≤20.97	PASS
3DH5	Ant1	2402	1.60	≤20.97	PASS
3DH5	Ant1	2441	2.21	≤20.97	PASS
3DH5	Ant1	2480	1.71	≤20.97	PASS

Test Graphs





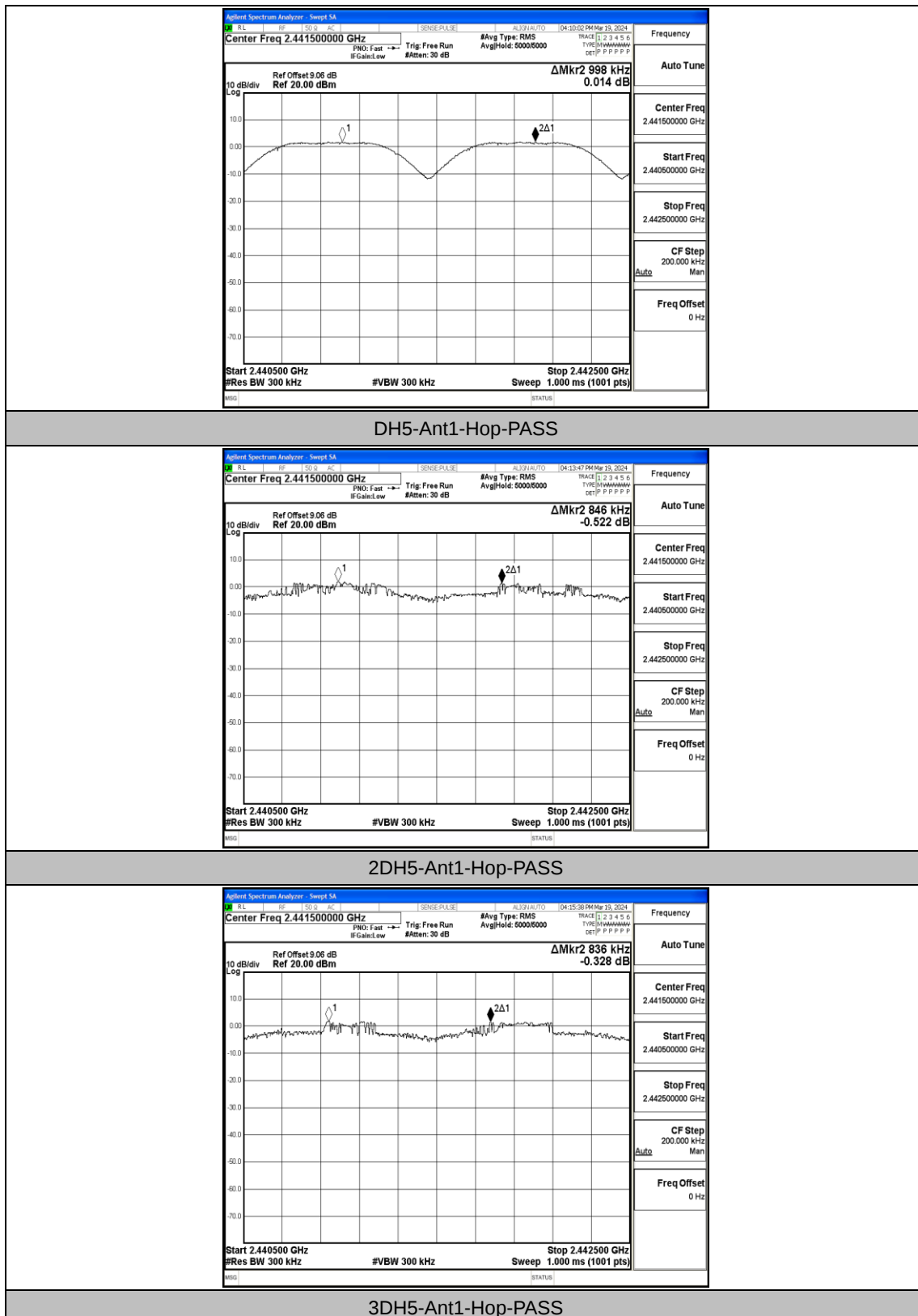


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.998	≥ 0.680	PASS
2DH5	Ant1	Hop	0.846	≥ 0.810	PASS
3DH5	Ant1	Hop	0.836	≥ 0.832	PASS

Test Graphs

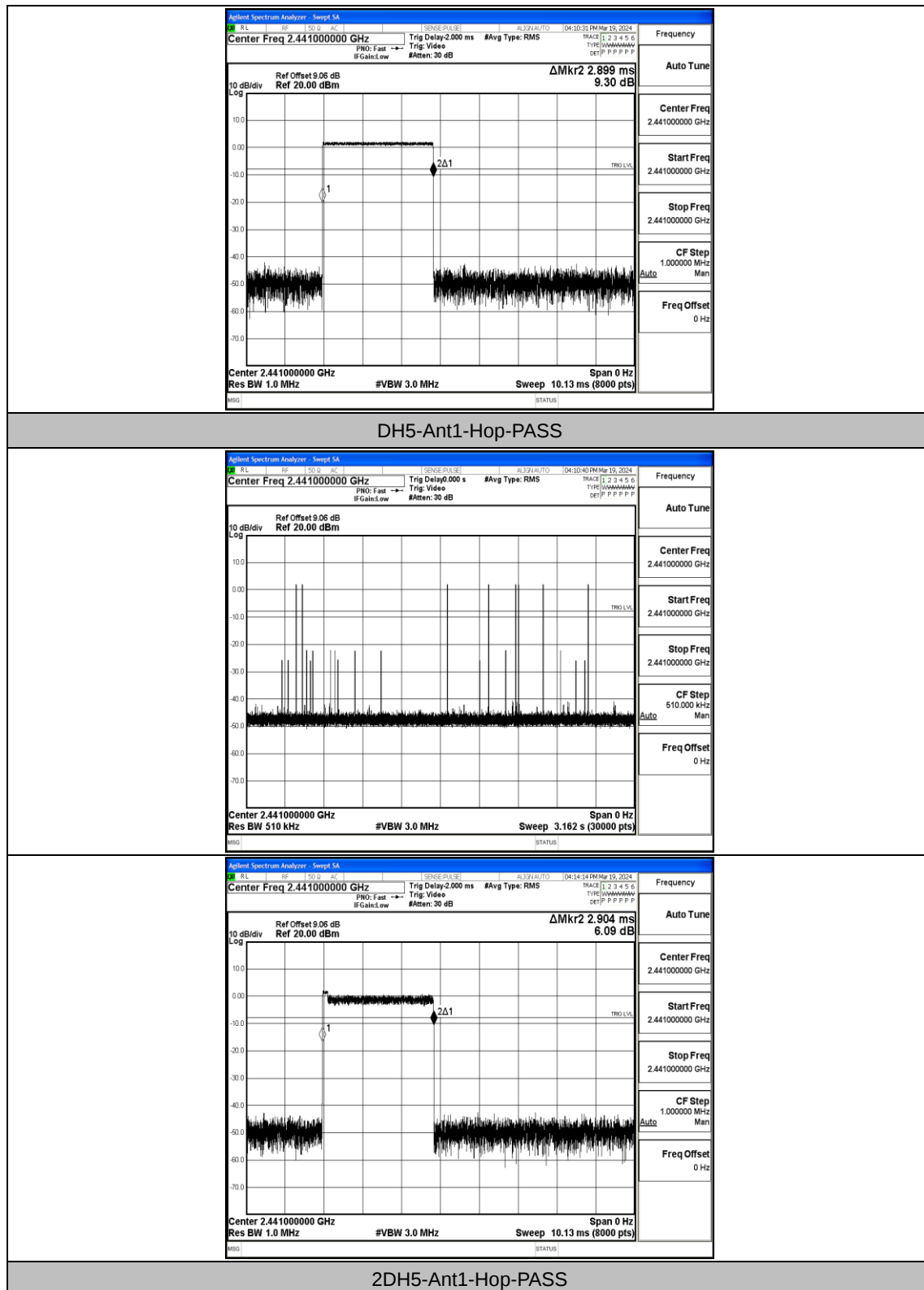


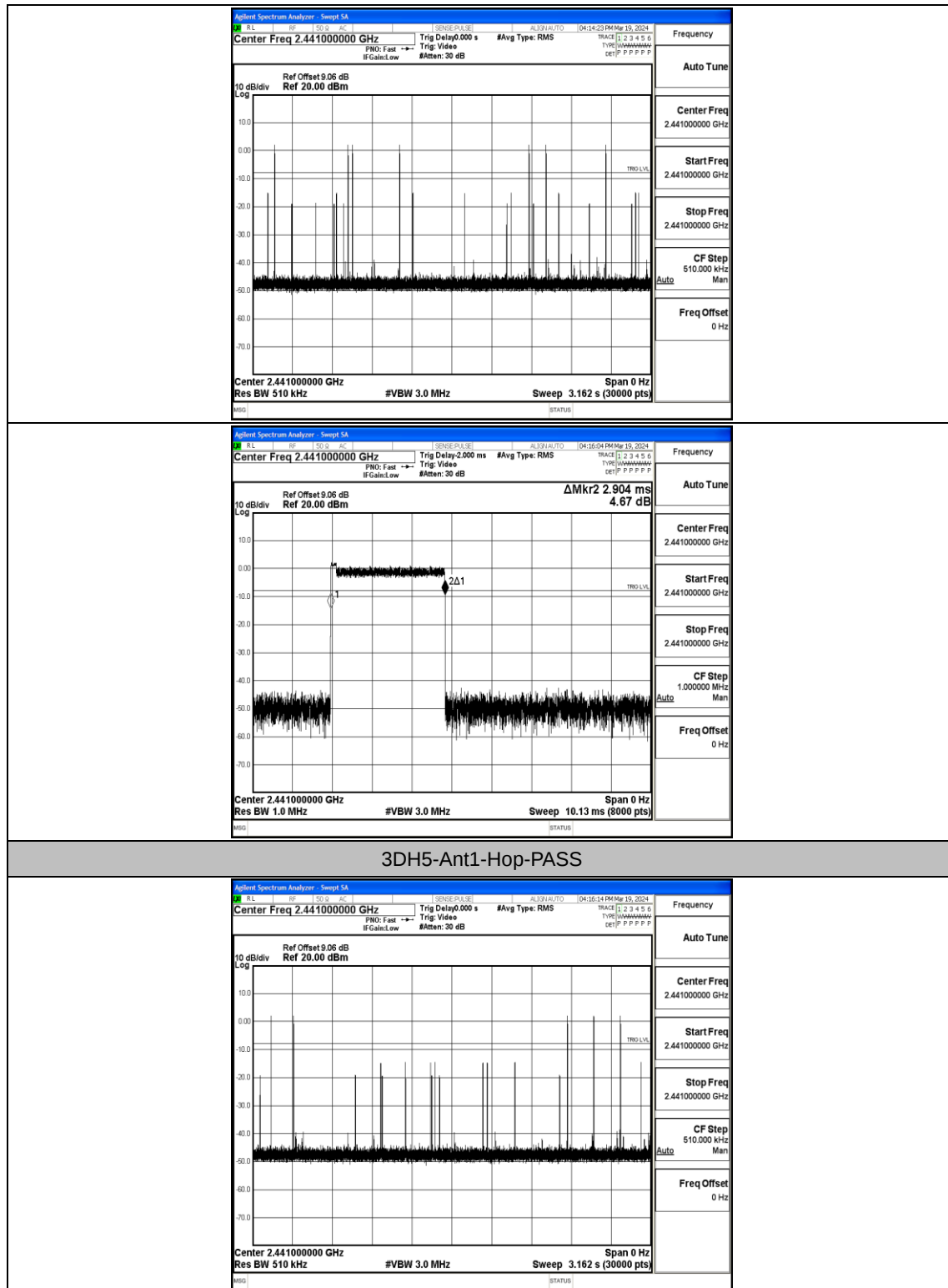
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.899	90	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.904	80	0.232	≤0.4	PASS
3DH5	Ant1	Hop	2.904	60	0.174	≤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

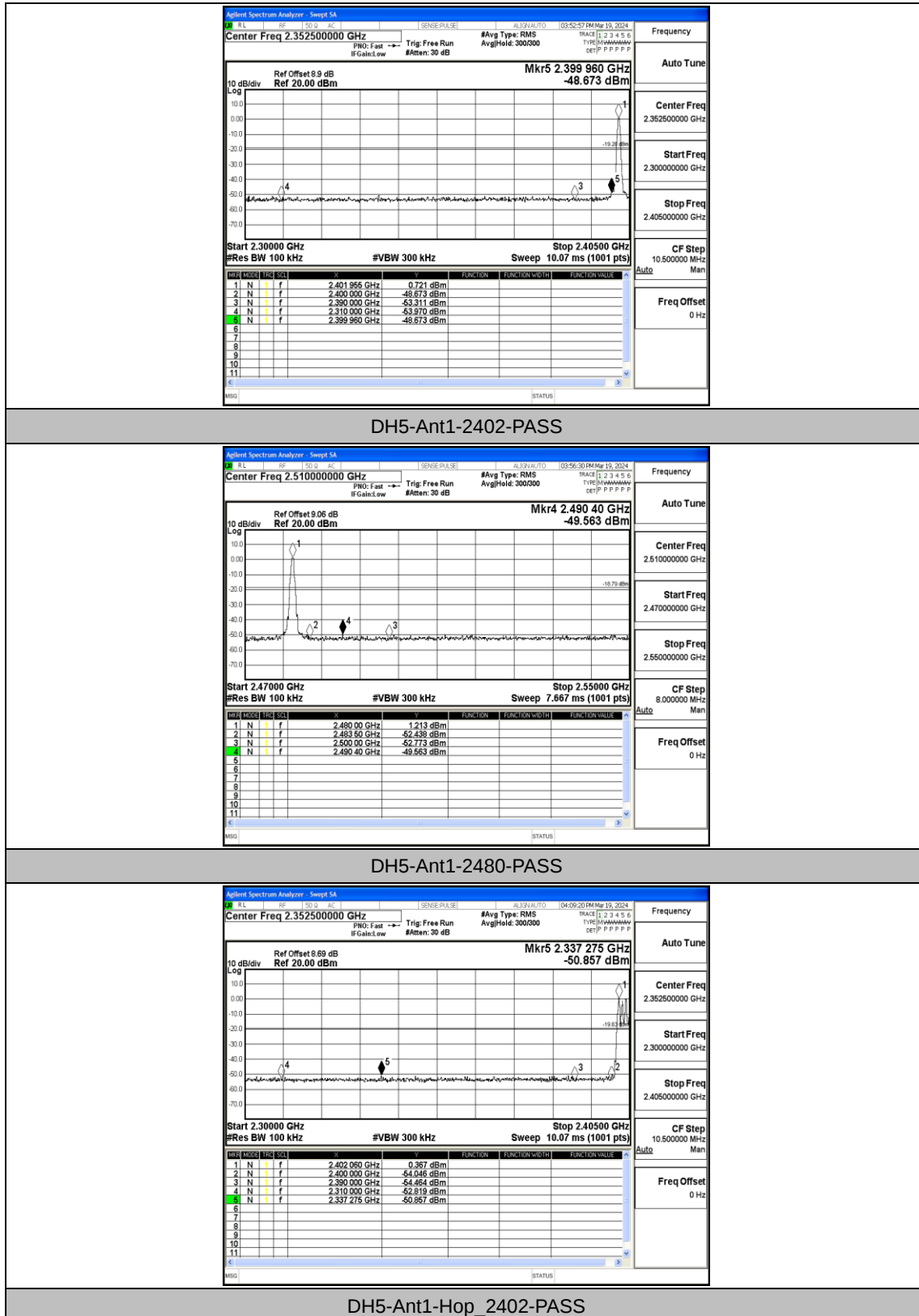


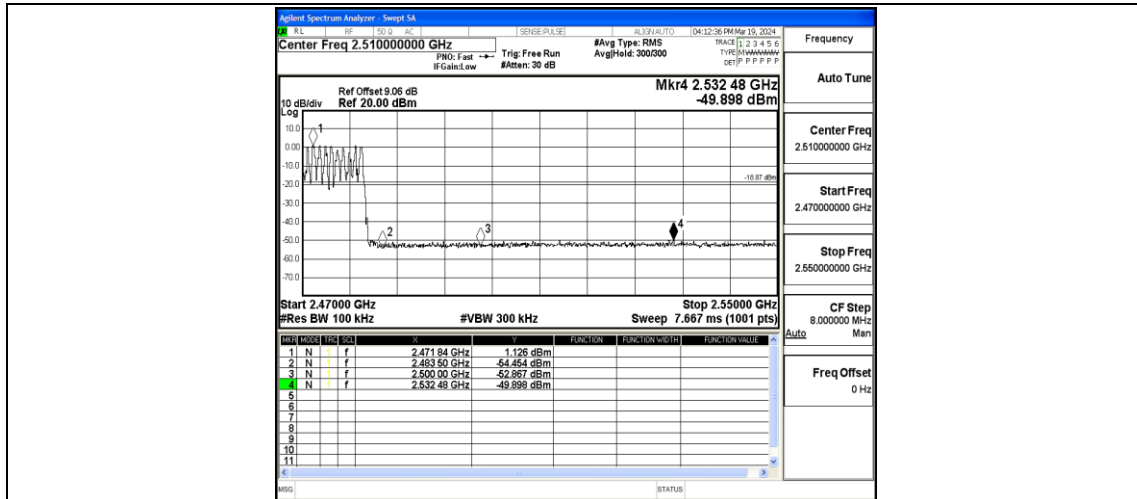
Appendix G: Band edge measurements

Test Result

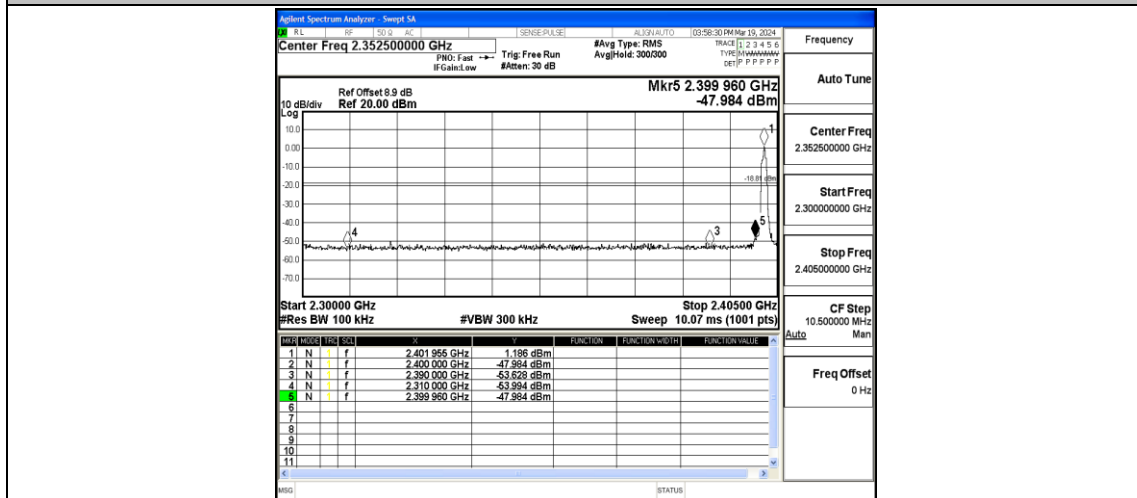
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.72	-48.67	≤-19.28	PASS
DH5	Ant1	High	2480	1.21	-49.56	≤-18.79	PASS
DH5	Ant1	Low	Hop_2402	0.37	-50.86	≤-19.63	PASS
DH5	Ant1	High	Hop_2480	1.13	-49.9	≤-18.87	PASS
2DH5	Ant1	Low	2402	1.19	-47.98	≤-18.81	PASS
2DH5	Ant1	High	2480	0.69	-49.28	≤-19.31	PASS
2DH5	Ant1	Low	Hop_2402	-3.72	-51.06	≤-23.72	PASS
2DH5	Ant1	High	Hop_2480	-3.98	-49.33	≤-23.98	PASS
3DH5	Ant1	Low	2402	0.69	-49.86	≤-19.31	PASS
3DH5	Ant1	High	2480	-1.13	-49.06	≤-21.13	PASS
3DH5	Ant1	Low	Hop_2402	-4.75	-50.98	≤-24.75	PASS
3DH5	Ant1	High	Hop_2480	0.81	-49.71	≤-19.19	PASS

Test Graphs

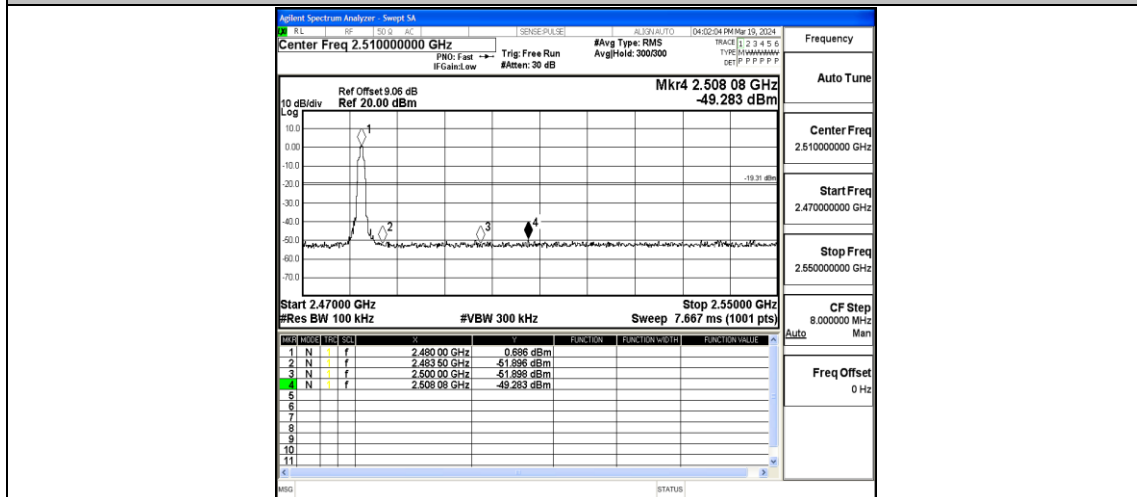




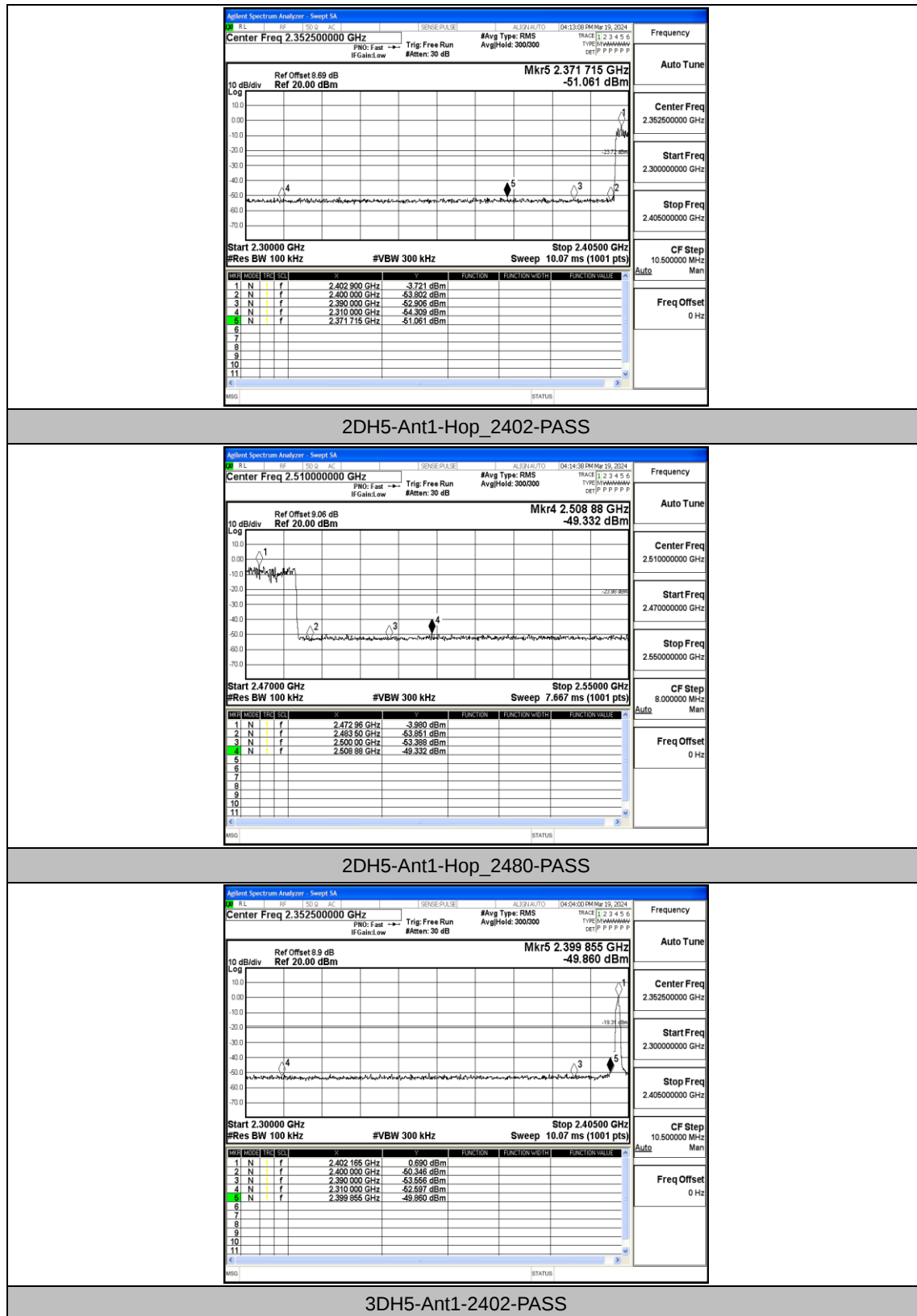
DH5-Ant1-Hop_2480-PASS

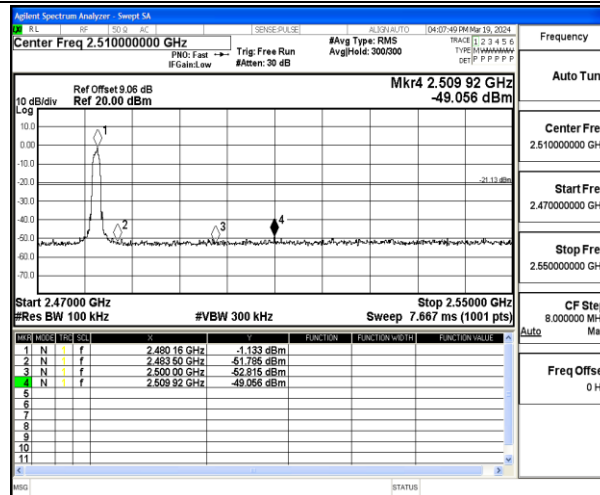


2DH5-Ant1-2402-PASS

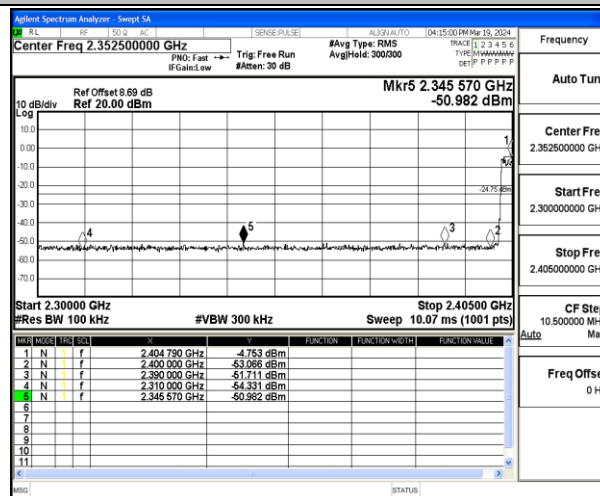


2DH5-Ant1-2480-PASS

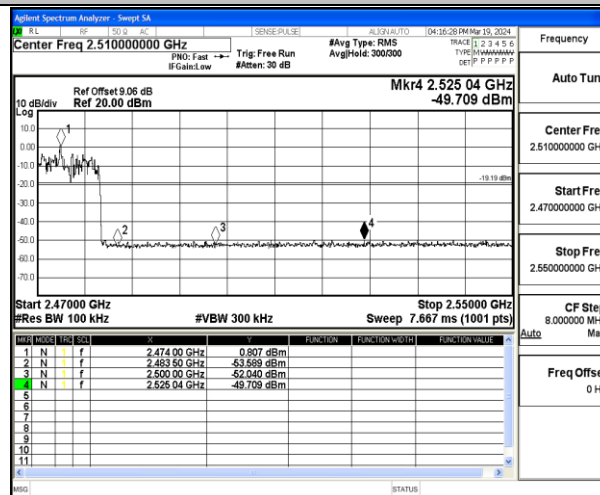




3DH5-Ant1-2480-PASS



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	0.44	0.44	---	PASS
DH5	Ant1	2402	30~1000	0.44	-63.02	≤-19.56	PASS
DH5	Ant1	2402	1000~26500	0.44	-44.13	≤-19.56	PASS
DH5	Ant1	2441	0~Reference	1.12	1.12	---	PASS
DH5	Ant1	2441	30~1000	1.12	-62.6	≤-18.88	PASS
DH5	Ant1	2441	1000~26500	1.12	-43.24	≤-18.88	PASS
DH5	Ant1	2480	0~Reference	0.30	0.30	---	PASS
DH5	Ant1	2480	30~1000	0.30	-62.96	≤-19.7	PASS
DH5	Ant1	2480	1000~26500	0.30	-43.28	≤-19.7	PASS
2DH5	Ant1	2402	0~Reference	0.32	0.32	---	PASS
2DH5	Ant1	2402	30~1000	0.32	-63.29	≤-19.68	PASS
2DH5	Ant1	2402	1000~26500	0.32	-41.34	≤-19.68	PASS
2DH5	Ant1	2441	0~Reference	0.35	0.35	---	PASS
2DH5	Ant1	2441	30~1000	0.35	-63.09	≤-19.65	PASS
2DH5	Ant1	2441	1000~26500	0.35	-47.3	≤-19.65	PASS
2DH5	Ant1	2480	0~Reference	-1.05	-1.05	---	PASS
2DH5	Ant1	2480	30~1000	-1.05	-63.3	≤-21.05	PASS
2DH5	Ant1	2480	1000~26500	-1.05	-43.68	≤-21.05	PASS
3DH5	Ant1	2402	0~Reference	-1.82	-1.82	---	PASS
3DH5	Ant1	2402	30~1000	-1.82	-62.63	≤-21.82	PASS
3DH5	Ant1	2402	1000~26500	-1.82	-44.94	≤-21.82	PASS
3DH5	Ant1	2441	0~Reference	-0.81	-0.81	---	PASS
3DH5	Ant1	2441	30~1000	-0.81	-61.34	≤-20.81	PASS
3DH5	Ant1	2441	1000~26500	-0.81	-48.18	≤-20.81	PASS
3DH5	Ant1	2480	0~Reference	-1.90	-1.90	---	PASS
3DH5	Ant1	2480	30~1000	-1.90	-61.26	≤-21.9	PASS
3DH5	Ant1	2480	1000~26500	-1.90	-41.04	≤-21.9	PASS