

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

Product Name: Wireless Earbuds

Trade Mark: N/A

Test Model: AI1014

FCC ID: 2AL9B-AI1014

Environmental Conditions

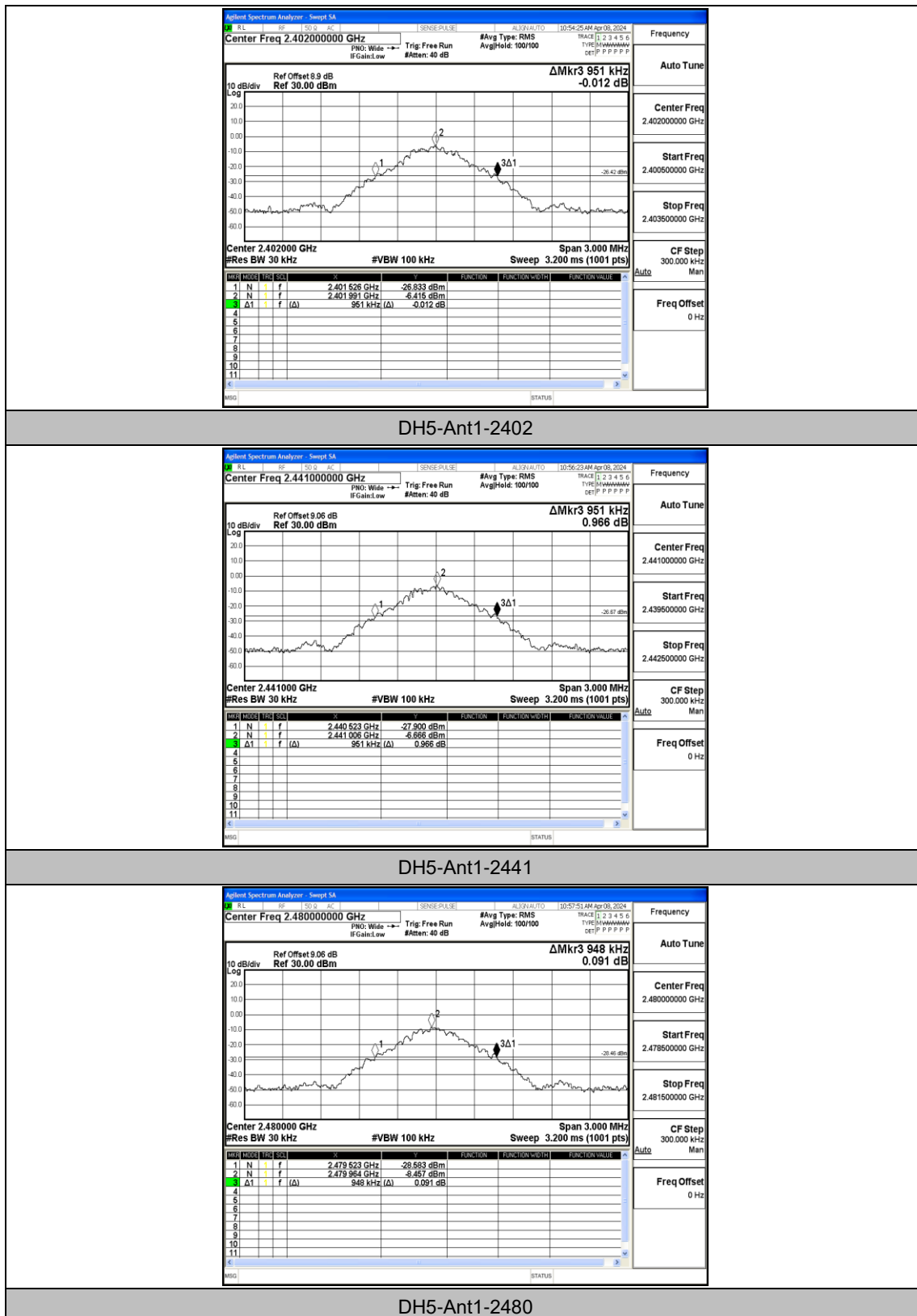
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

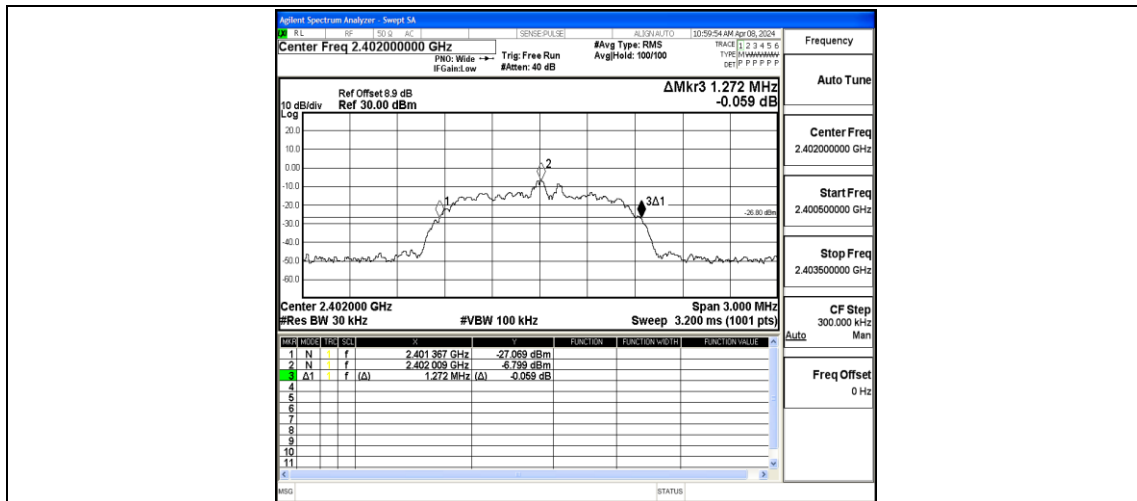
Appendix A: 20dB Emission Bandwidth

Test Result

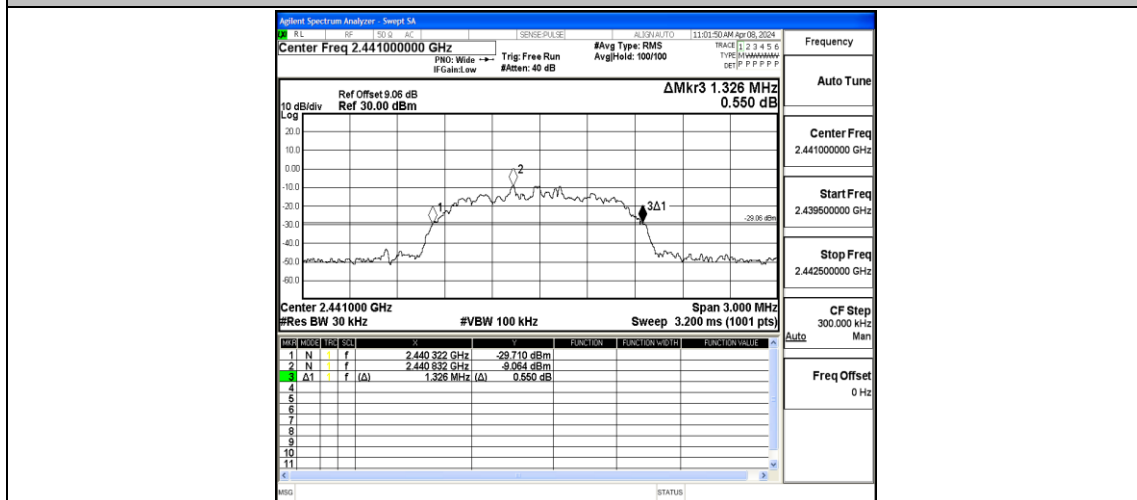
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.526	2402.477	---	---
DH5	Ant1	2441	0.951	2440.523	2441.474	---	---
DH5	Ant1	2480	0.948	2479.523	2480.471	---	---
2DH5	Ant1	2402	1.272	2401.367	2402.639	---	---
2DH5	Ant1	2441	1.326	2440.322	2441.648	---	---
2DH5	Ant1	2480	1.278	2479.358	2480.636	---	---
3DH5	Ant1	2402	1.278	2401.346	2402.624	---	---
3DH5	Ant1	2441	1.302	2440.346	2441.648	---	---
3DH5	Ant1	2480	1.266	2479.346	2480.612	---	---

Test Graphs

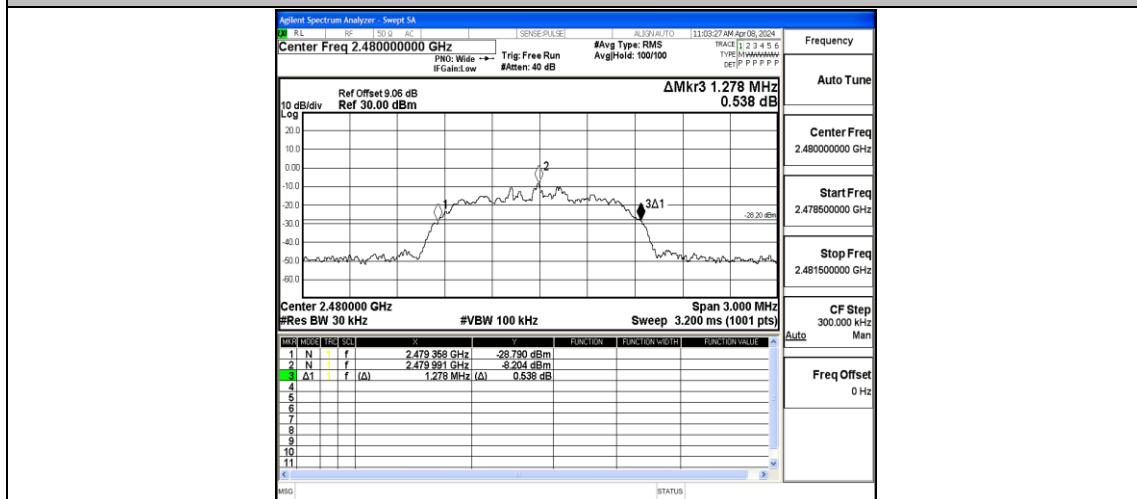




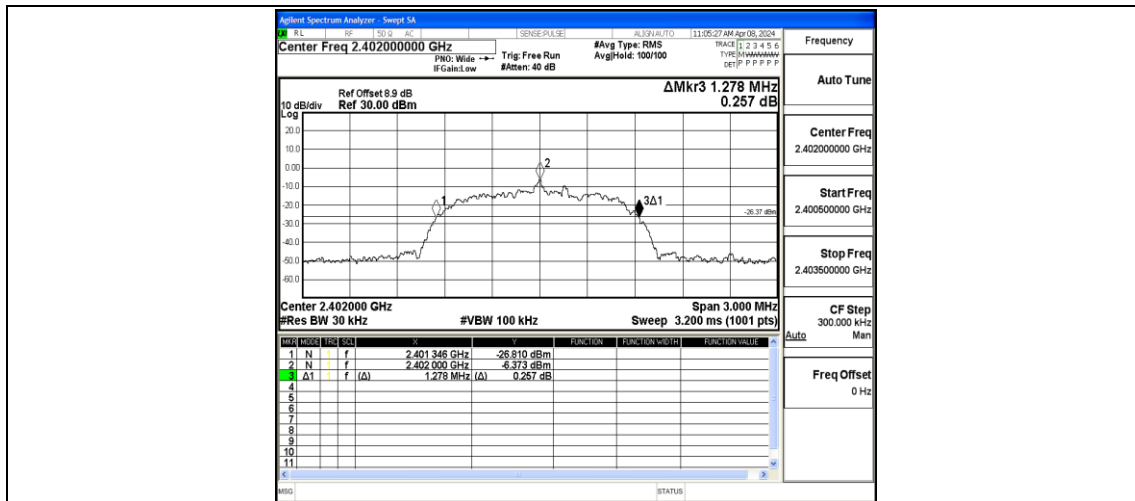
2DH5-Ant1-2402



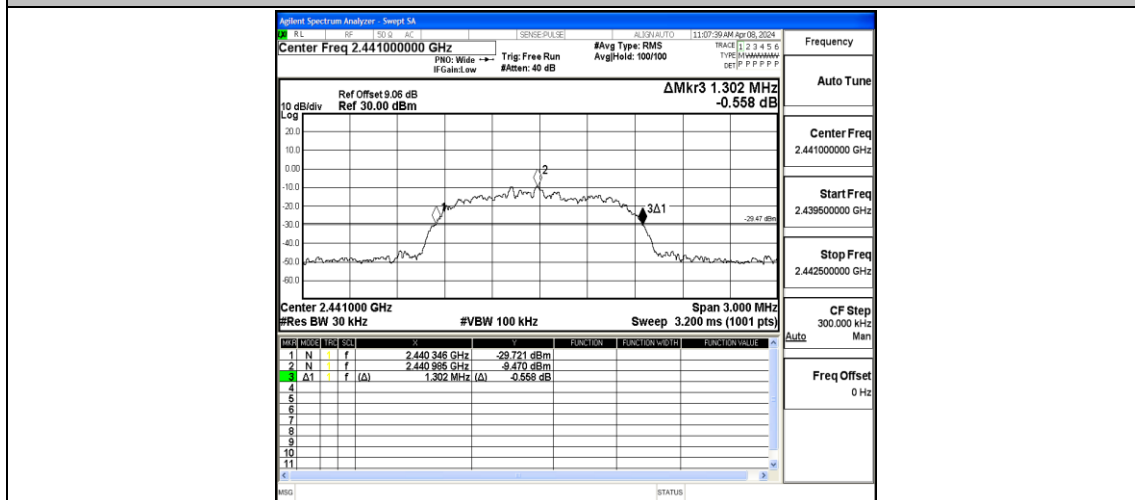
2DH5-Ant1-2441



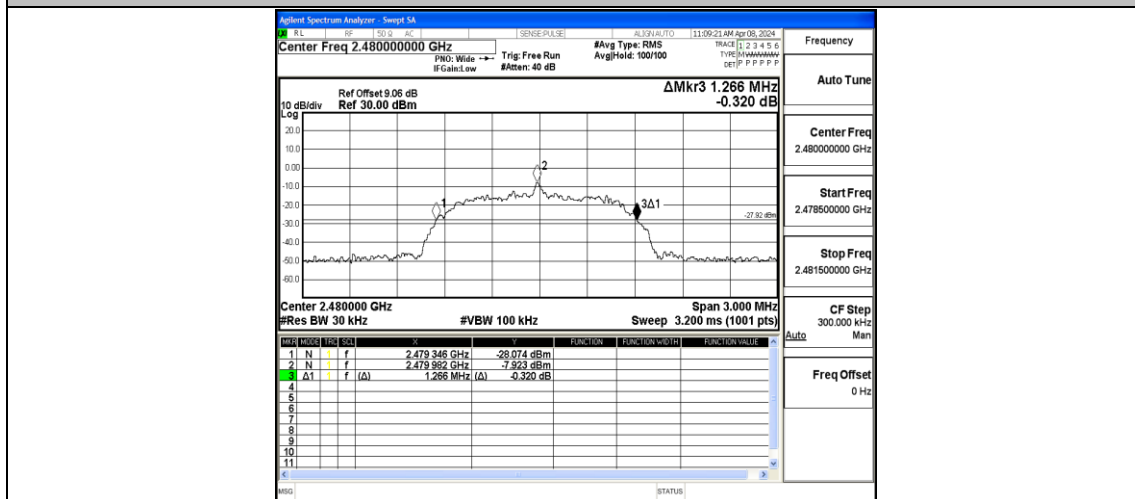
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



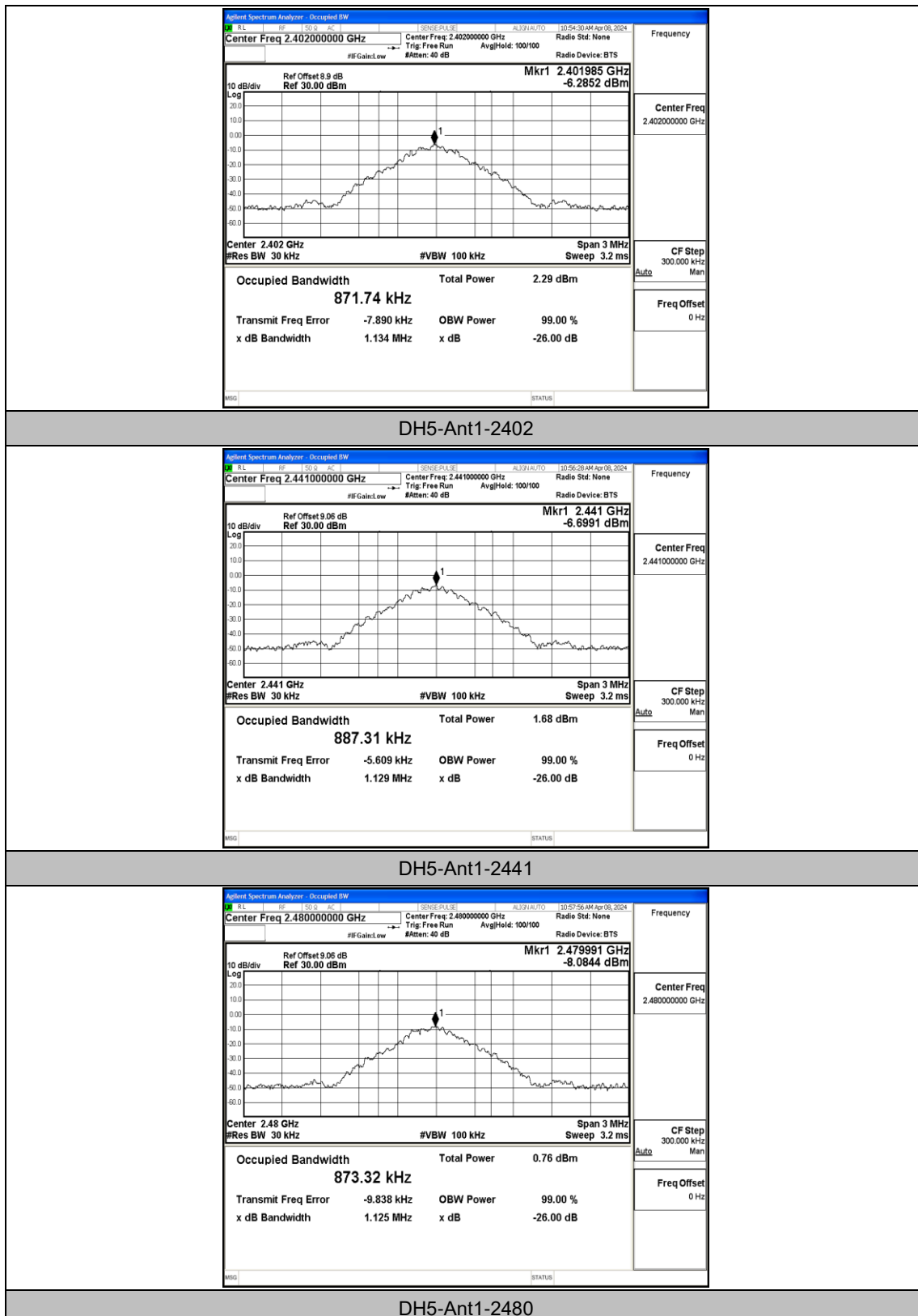
3DH5-Ant1-2480

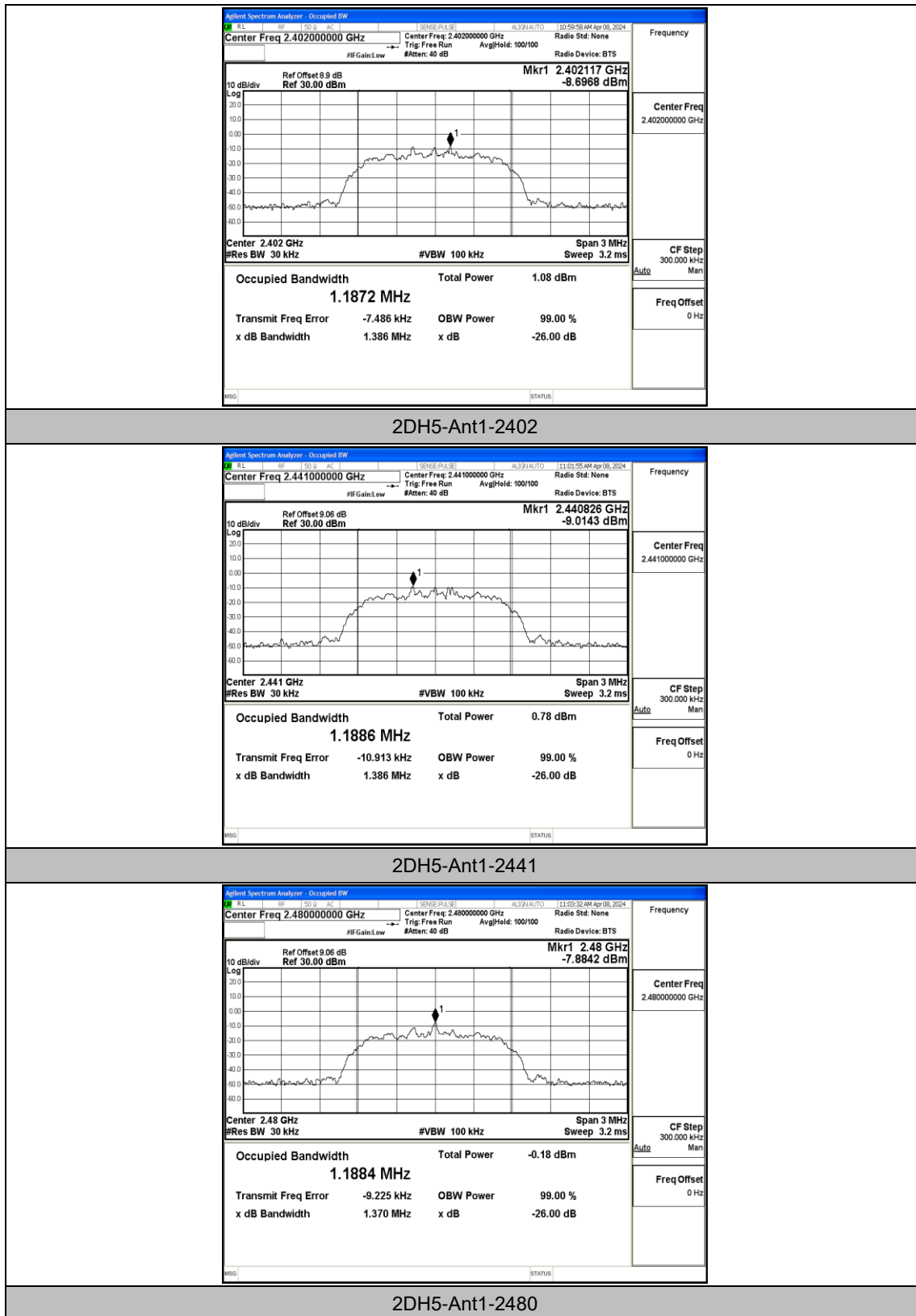
Appendix B: Occupied Channel Bandwidth

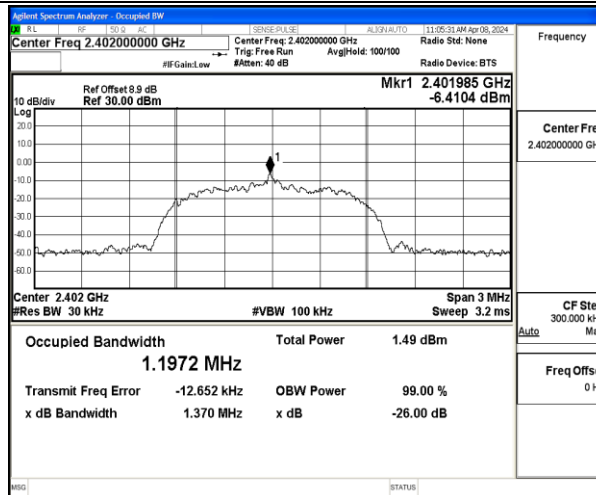
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87174	2401.5562	2402.4280	---	---
DH5	Ant1	2441	0.88731	2440.5507	2441.4380	---	---
DH5	Ant1	2480	0.87332	2479.5535	2480.4268	---	---
2DH5	Ant1	2402	1.1872	2401.3989	2402.5861	---	---
2DH5	Ant1	2441	1.1886	2440.3948	2441.5834	---	---
2DH5	Ant1	2480	1.1884	2479.3966	2480.5850	---	---
3DH5	Ant1	2402	1.1972	2401.3888	2402.5860	---	---
3DH5	Ant1	2441	1.1751	2440.4012	2441.5763	---	---
3DH5	Ant1	2480	1.1819	2479.3989	2480.5808	---	---

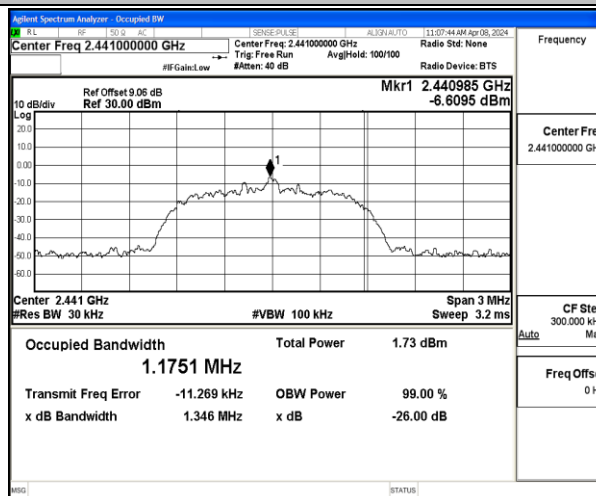
Test Graphs



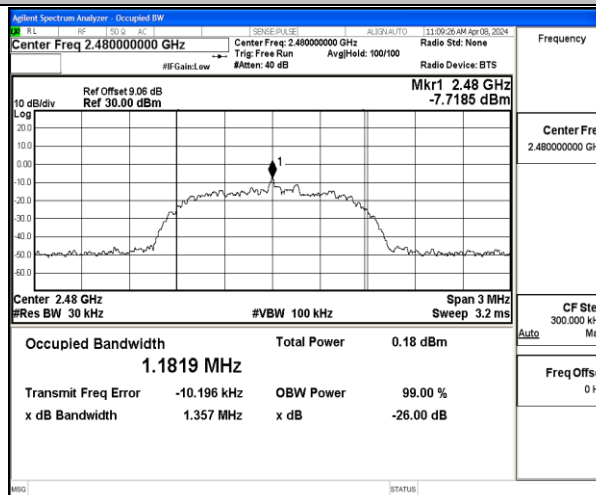




3DH5-Ant1-2402



3DH5-Ant1-2441



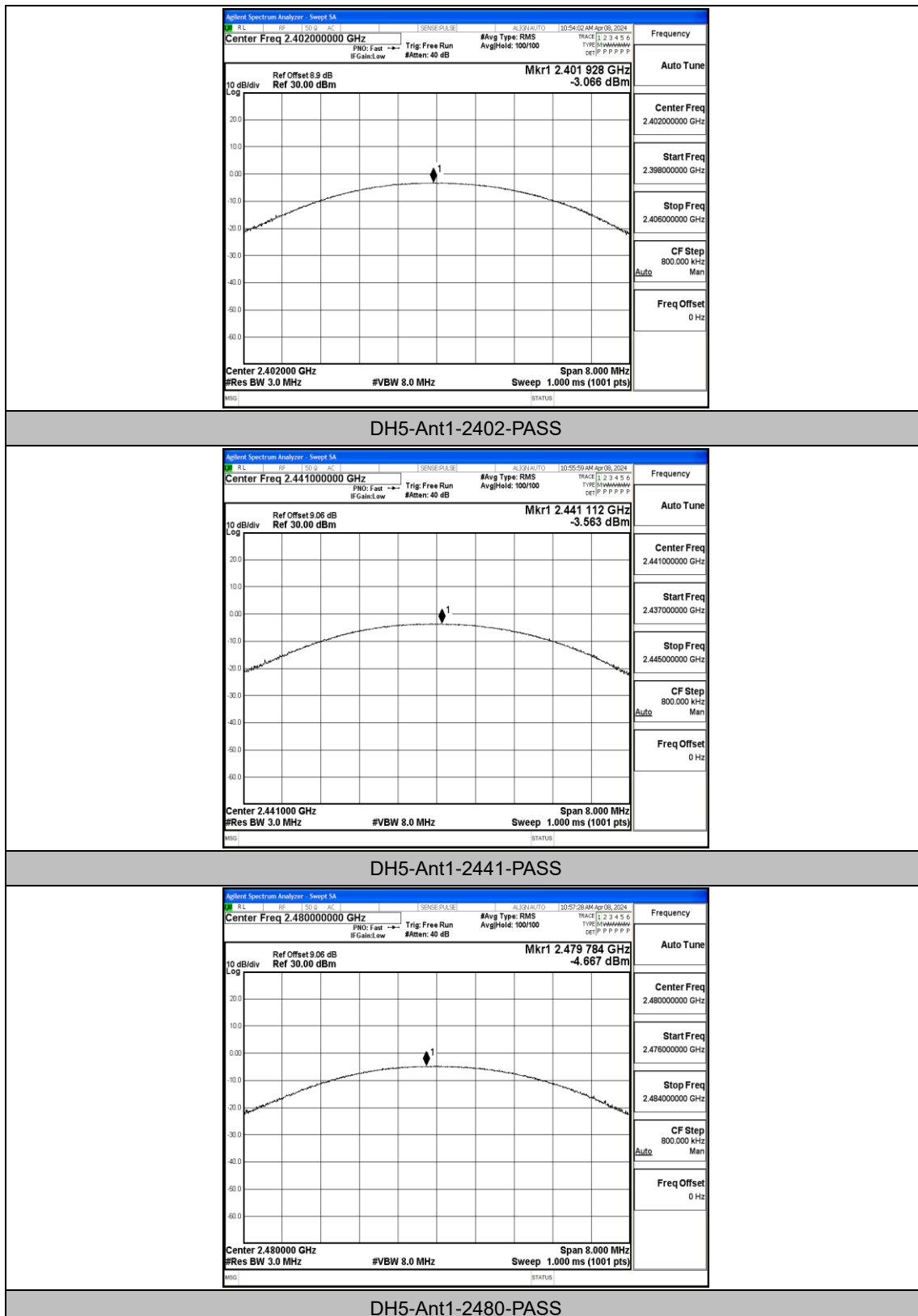
3DH5-Ant1-2480

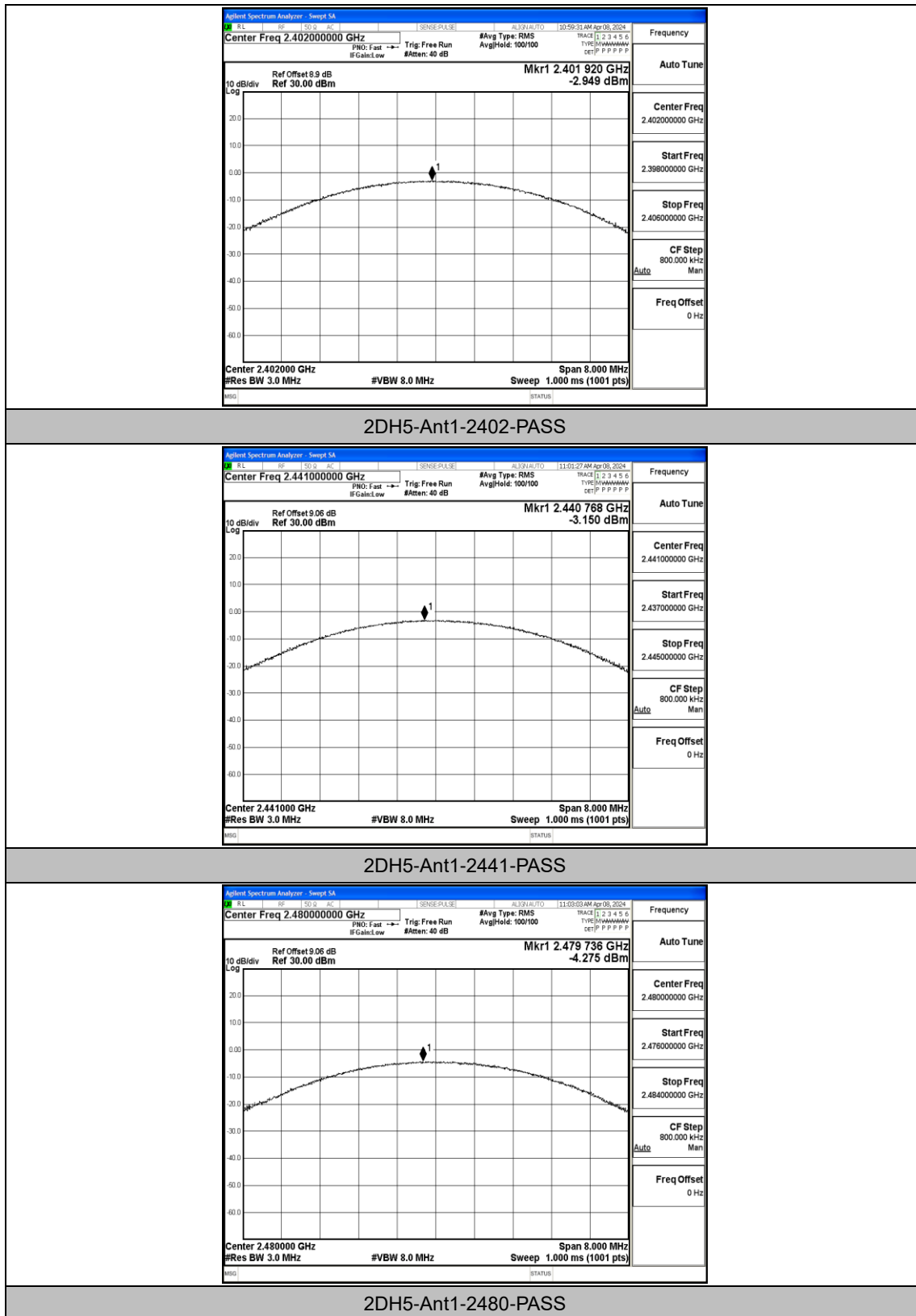
Appendix C: Maximum peak conducted output power

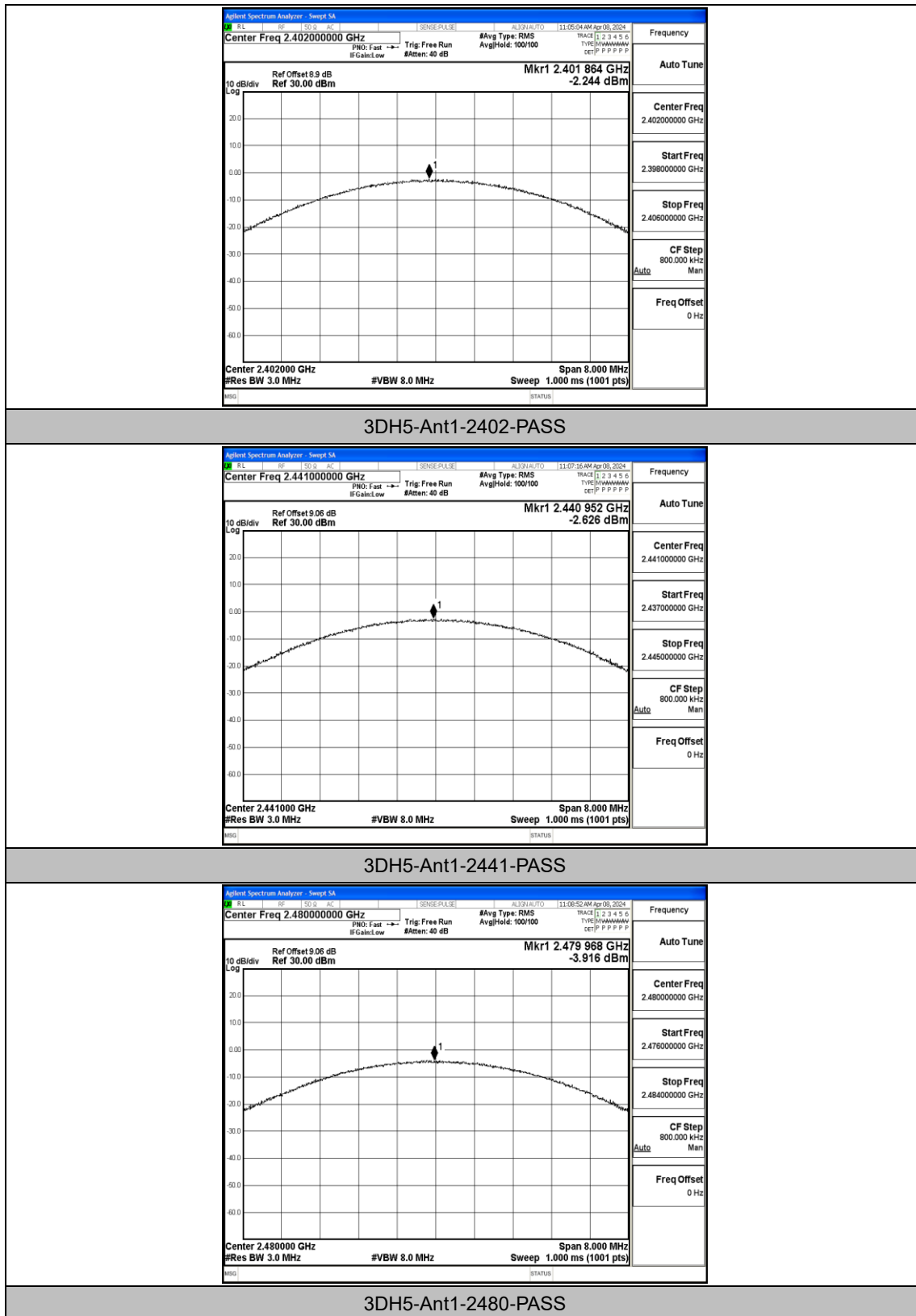
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.07	≤30	PASS
DH5	Ant1	2441	-3.56	≤30	PASS
DH5	Ant1	2480	-4.67	≤30	PASS
2DH5	Ant1	2402	-2.95	≤20.97	PASS
2DH5	Ant1	2441	-3.15	≤20.97	PASS
2DH5	Ant1	2480	-4.28	≤20.97	PASS
3DH5	Ant1	2402	-2.24	≤20.97	PASS
3DH5	Ant1	2441	-2.63	≤20.97	PASS
3DH5	Ant1	2480	-3.92	≤20.97	PASS

Test Graphs





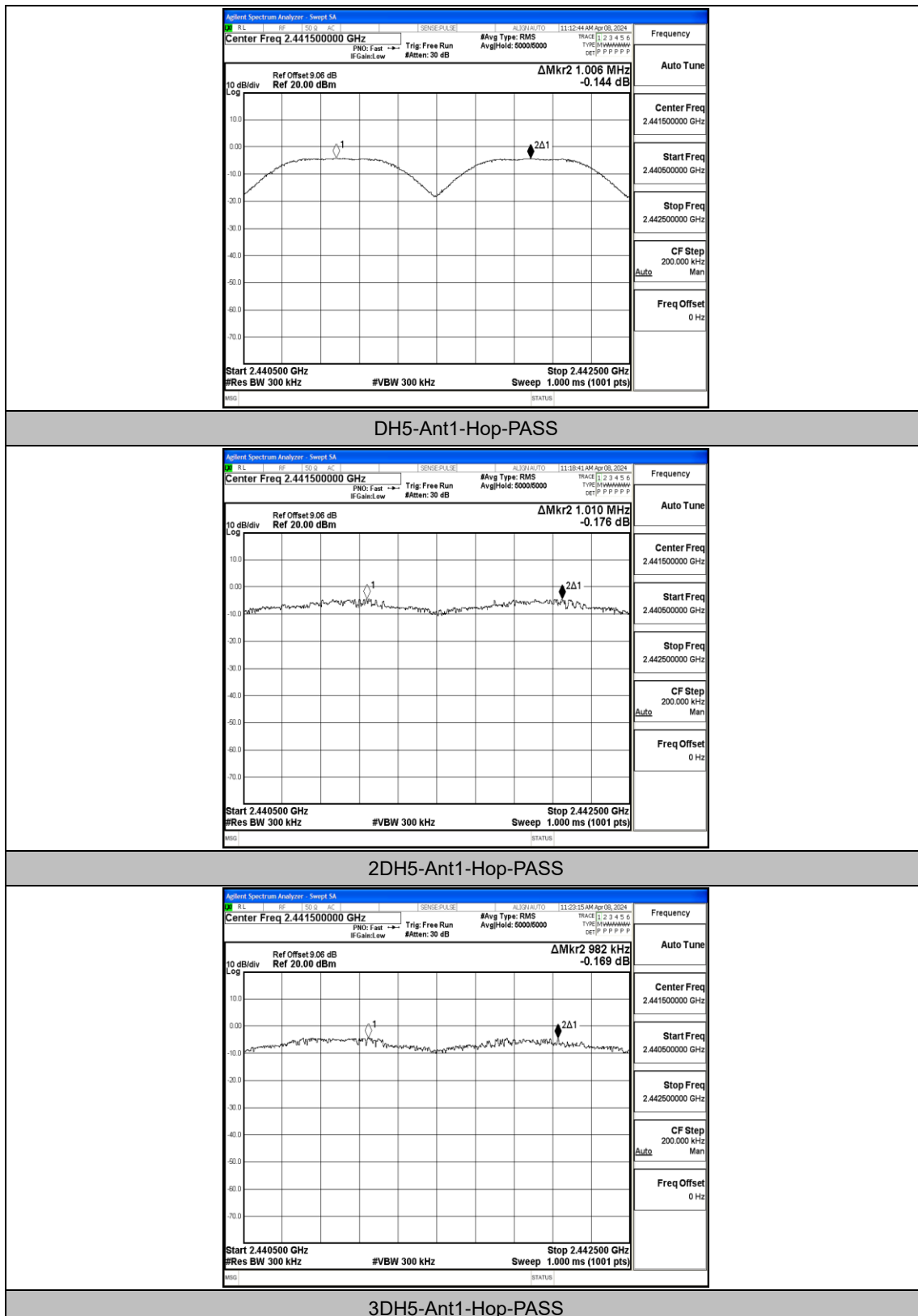


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.951	PASS
2DH5	Ant1	Hop	1.01	≥ 0.884	PASS
3DH5	Ant1	Hop	0.982	≥ 0.868	PASS

Test Graphs

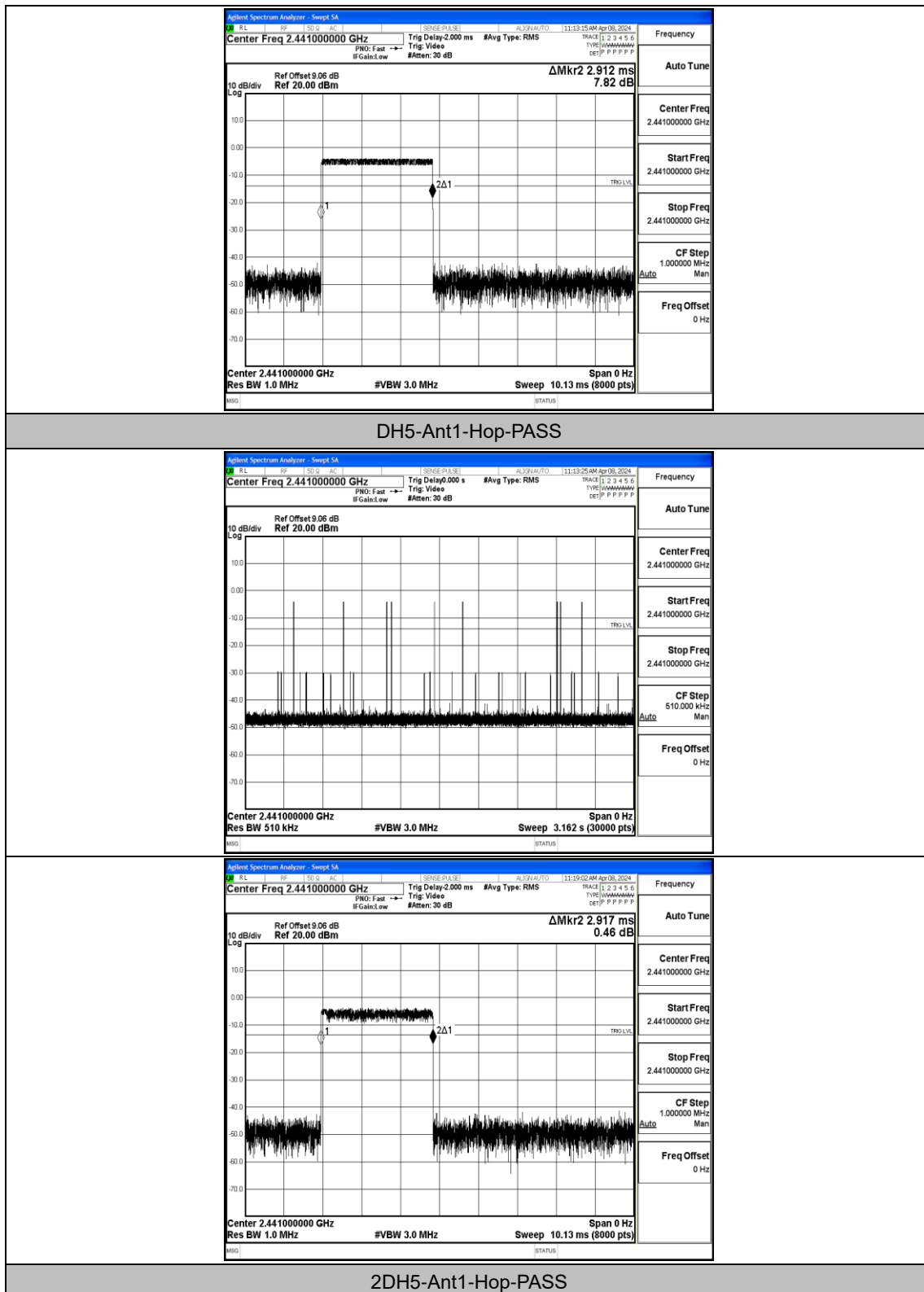


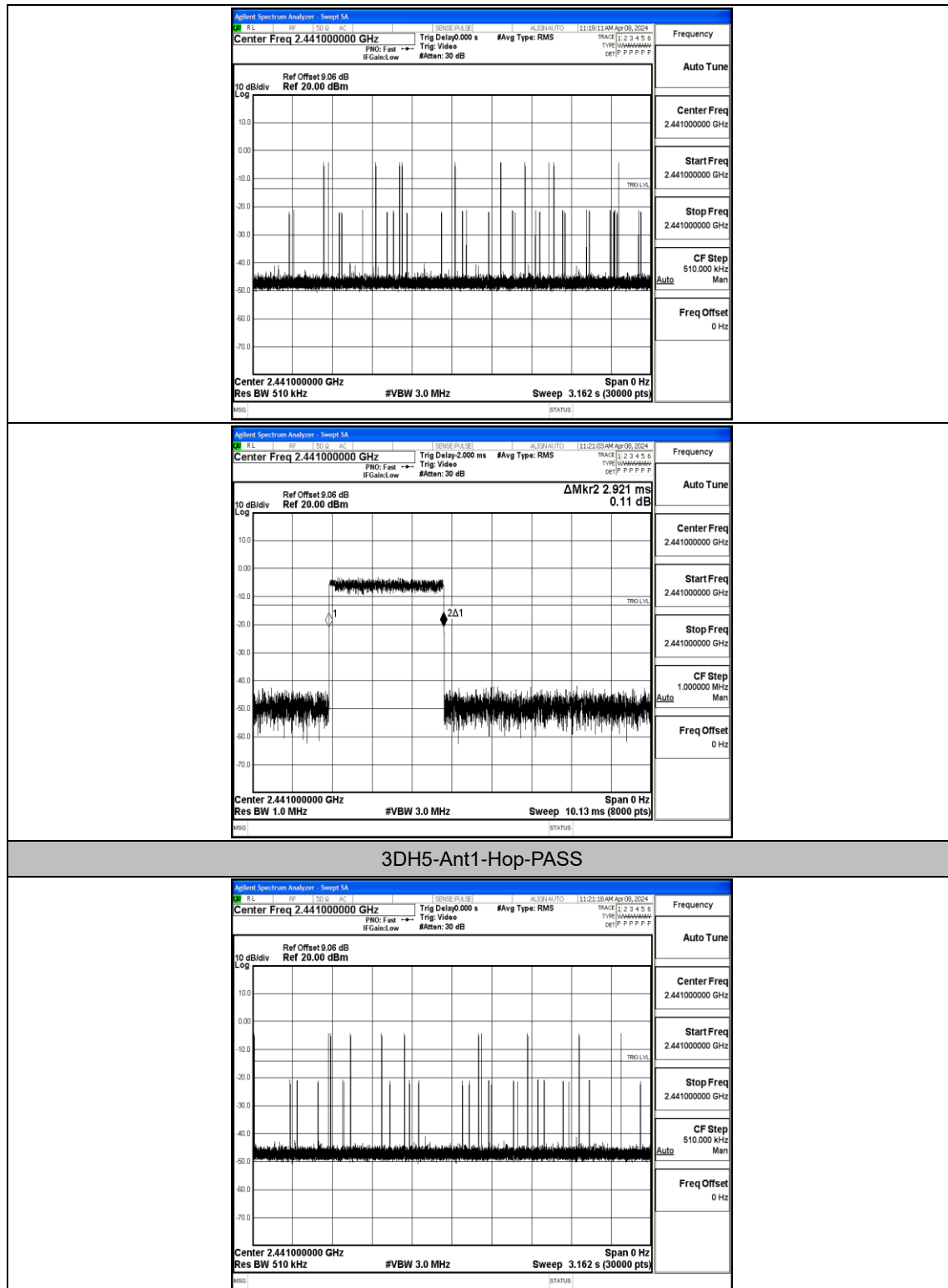
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.912	100	0.291	≤0.4	PASS
2DH5	Ant1	Hop	2.917	120	0.35	≤0.4	PASS
3DH5	Ant1	Hop	2.921	120	0.351	≤0.4	PASS

Test Graphs



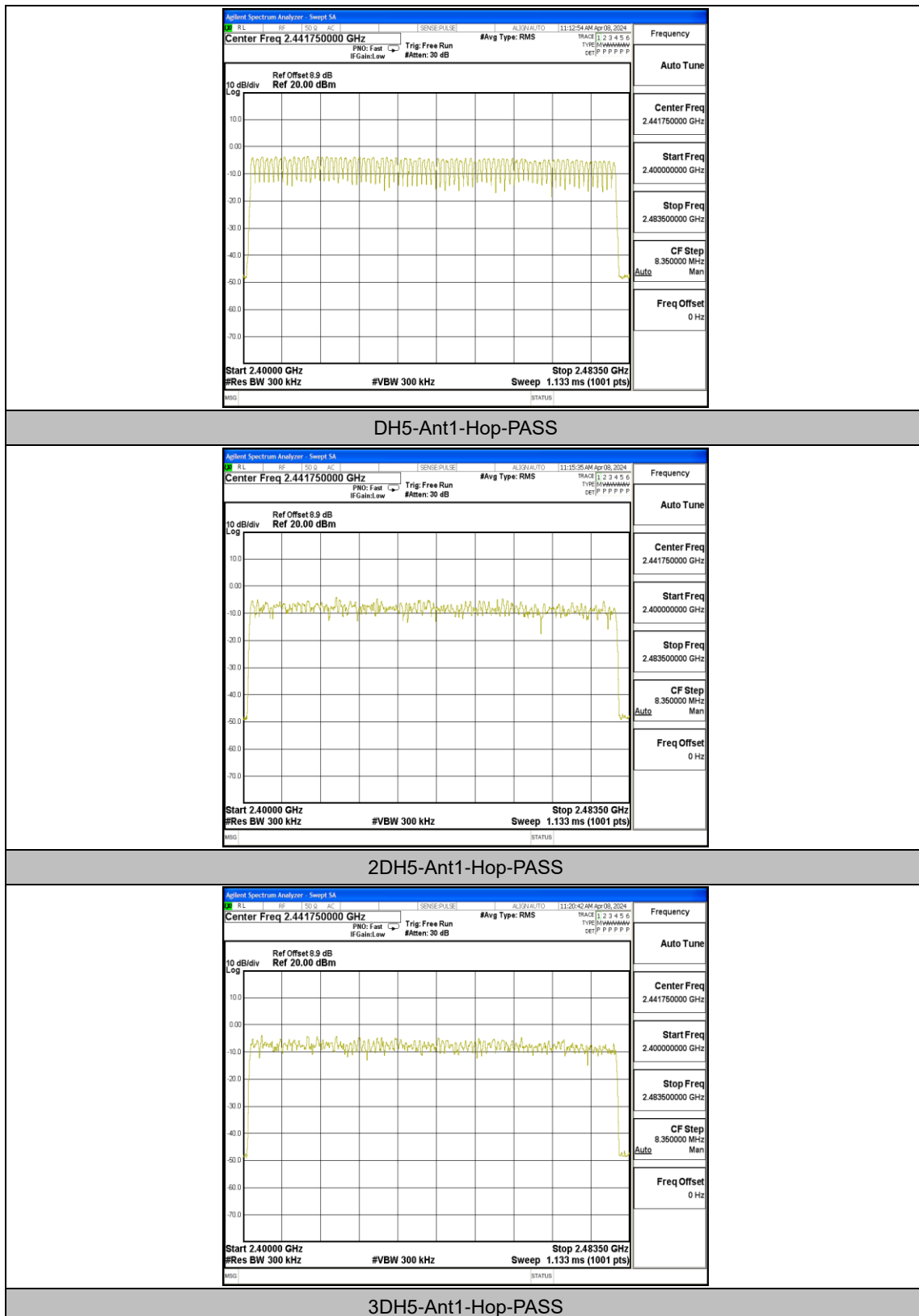


Appendix F: Number of hopping channels

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

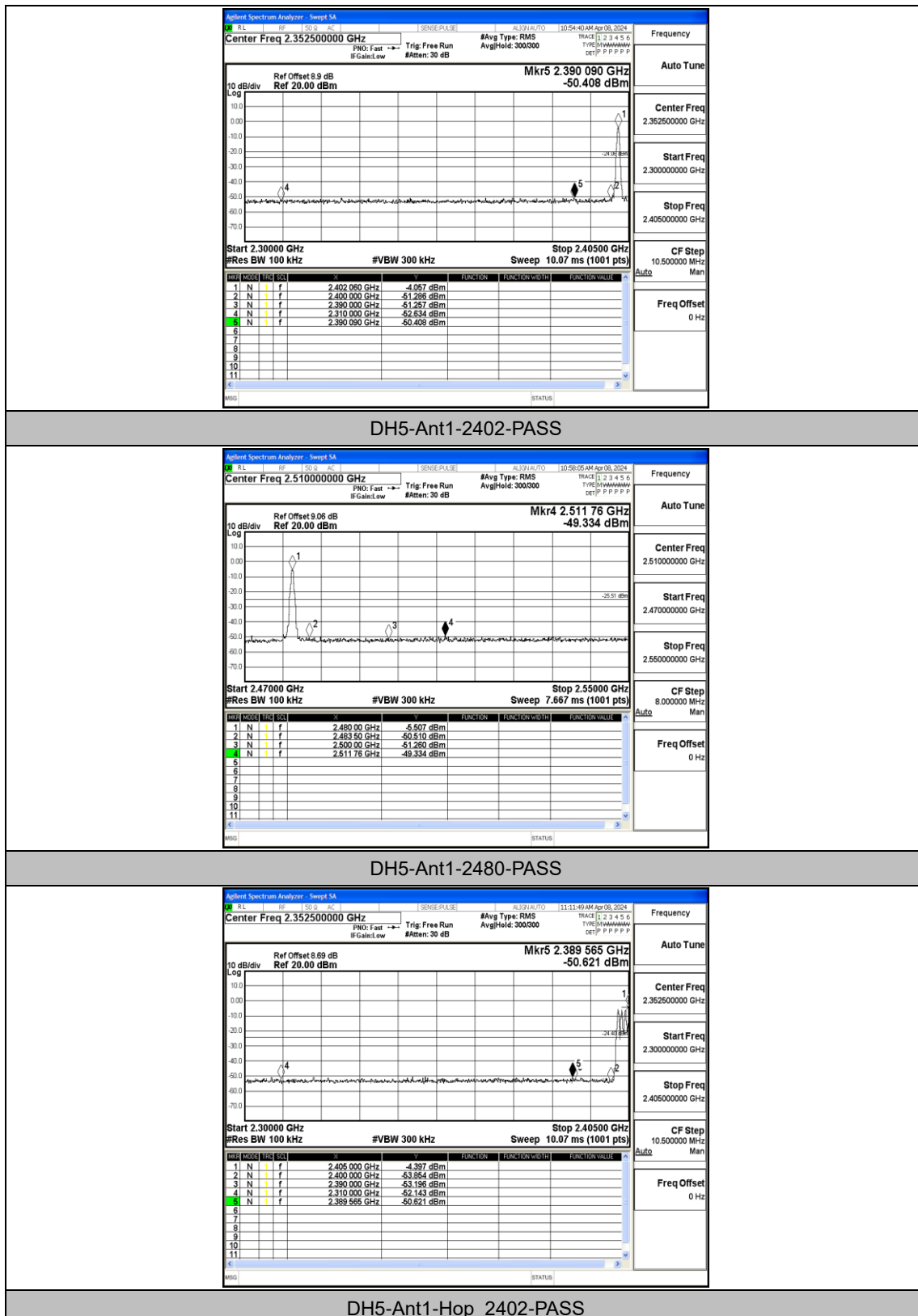


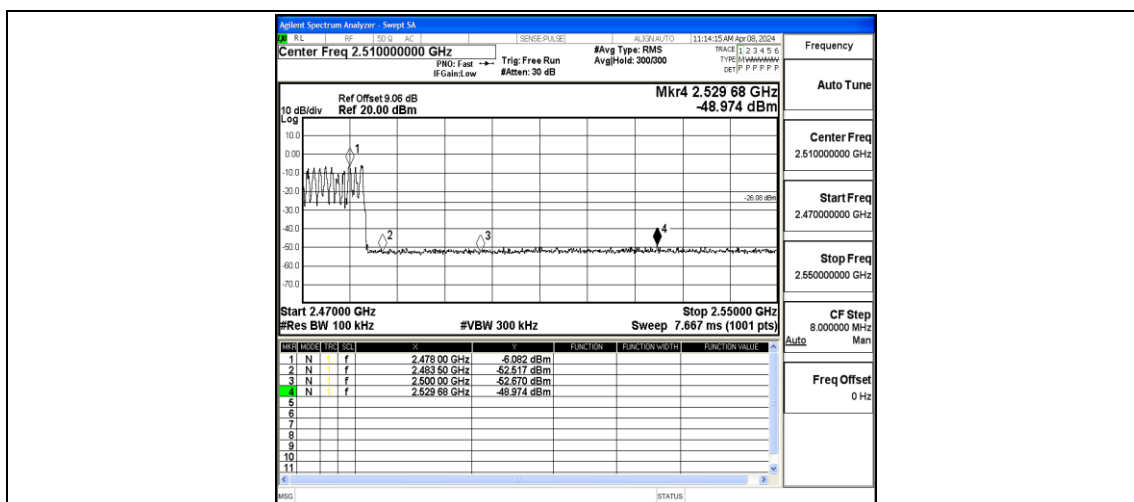
Appendix G: Band edge measurements

Test Result

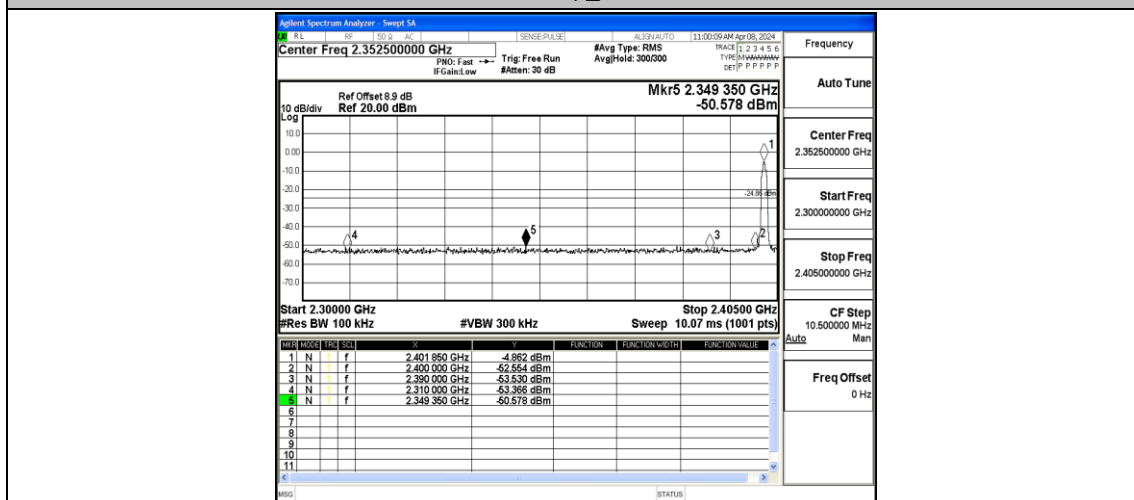
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.06	-50.41	≤ -24.06	PASS
DH5	Ant1	High	2480	-5.51	-49.33	≤ -25.51	PASS
DH5	Ant1	Low	Hop_2402	-4.40	-50.62	≤ -24.4	PASS
DH5	Ant1	High	Hop_2480	-6.08	-48.97	≤ -26.08	PASS
2DH5	Ant1	Low	2402	-4.86	-50.58	≤ -24.86	PASS
2DH5	Ant1	High	2480	-6.26	-48.81	≤ -26.26	PASS
2DH5	Ant1	Low	Hop_2402	-4.98	-50.66	≤ -24.98	PASS
2DH5	Ant1	High	Hop_2480	-8.16	-49.59	≤ -28.16	PASS
3DH5	Ant1	Low	2402	-4.59	-50.26	≤ -24.59	PASS
3DH5	Ant1	High	2480	-6.21	-49.32	≤ -26.21	PASS
3DH5	Ant1	Low	Hop_2402	-8.89	-50.51	≤ -28.89	PASS
3DH5	Ant1	High	Hop_2480	-6.10	-48.95	≤ -26.1	PASS

Test Graphs

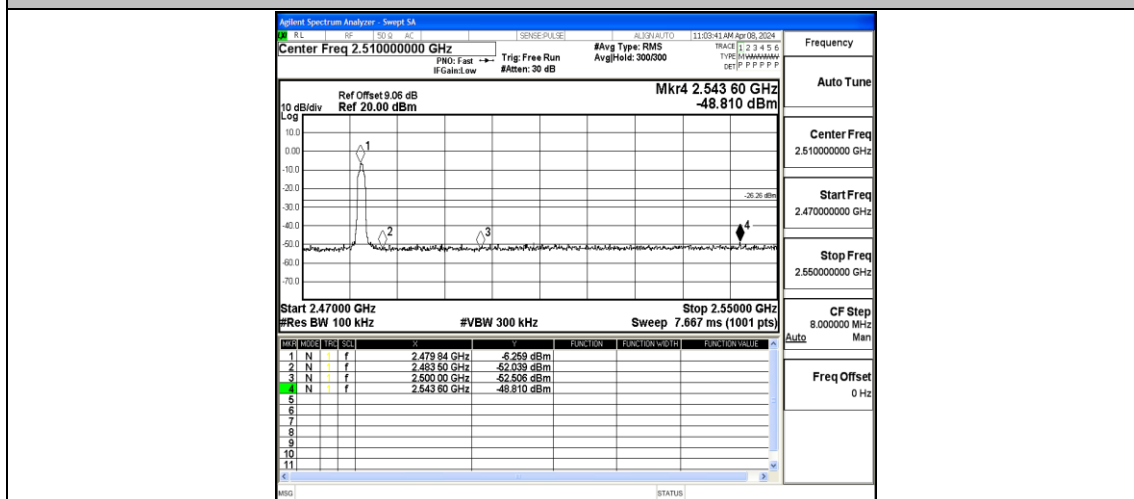




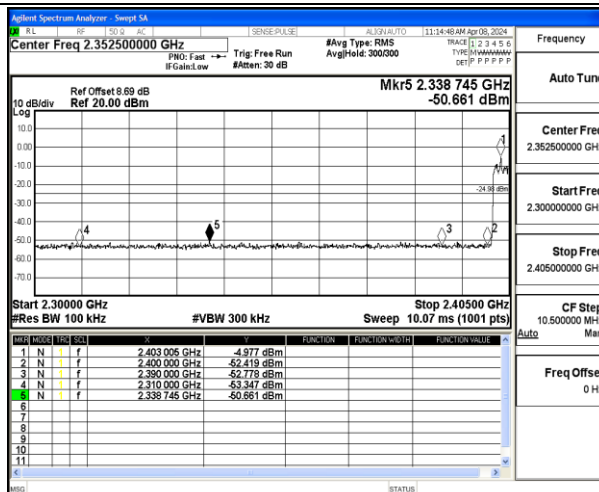
DH5-Ant1-Hop_2480-PASS



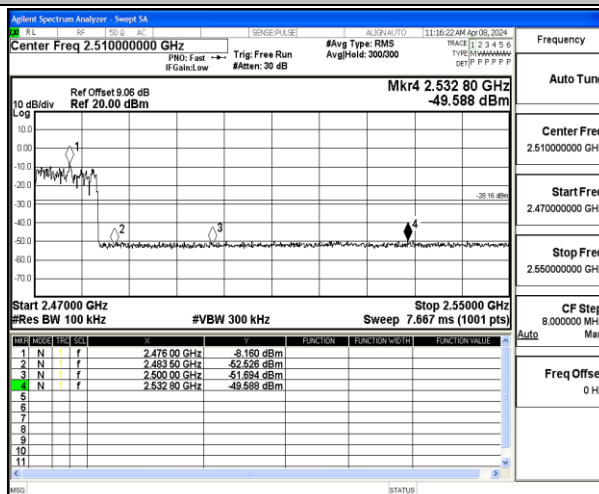
2DH5-Ant1-2402-PASS



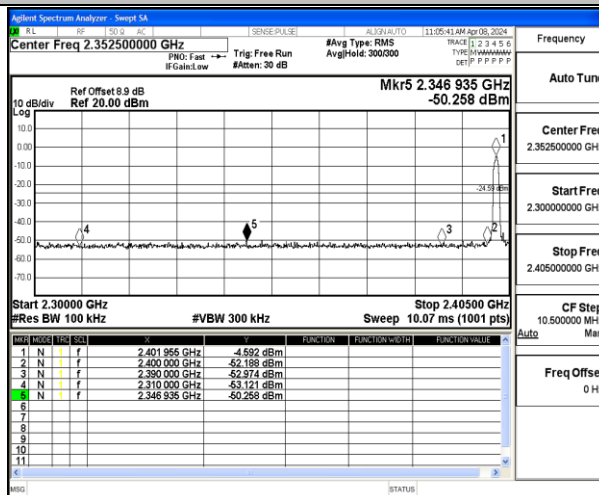
2DH5-Ant1-2480-PASS



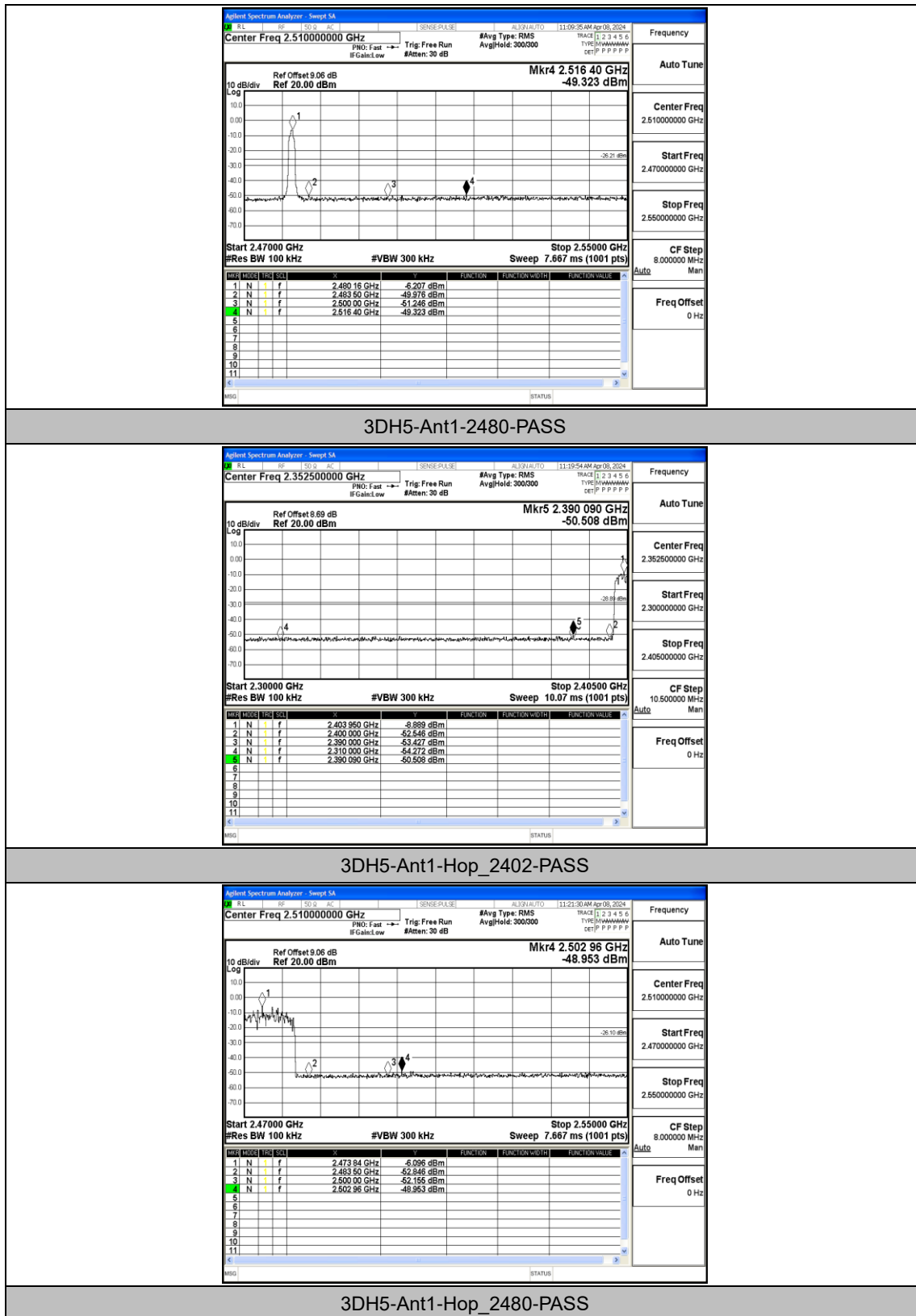
2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS

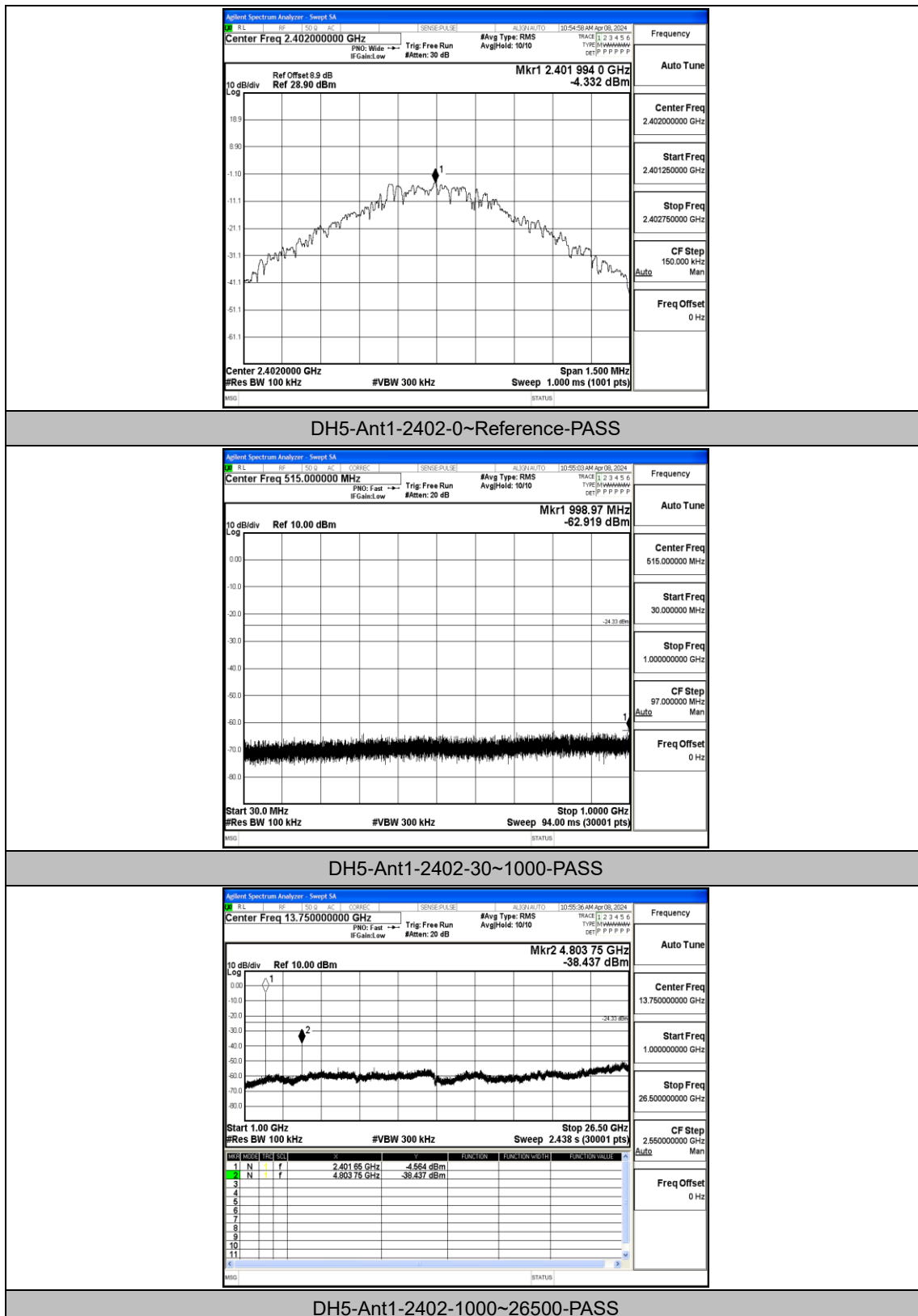


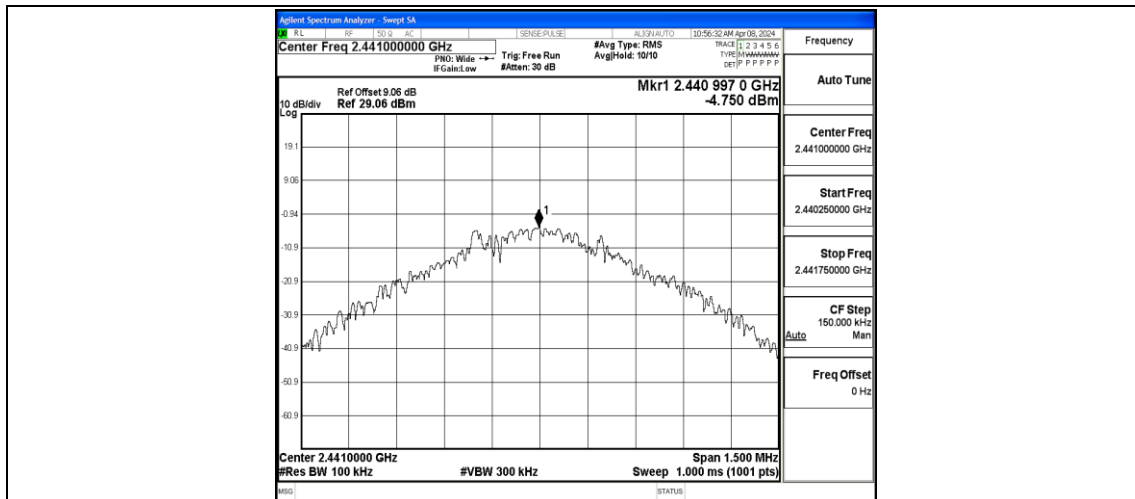
Appendix H: Conducted Spurious Emission

Test Result

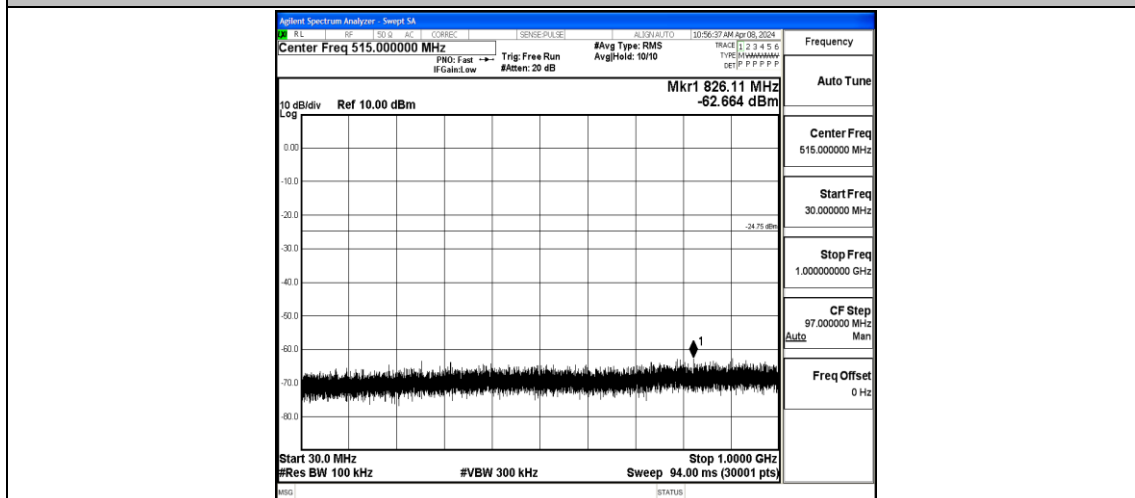
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-4.33	-4.33	---	PASS
DH5	Ant1	2402	30~1000	-4.33	-62.92	≤-24.33	PASS
DH5	Ant1	2402	1000~26500	-4.33	-38.44	≤-24.33	PASS
DH5	Ant1	2441	0~Reference	-4.75	-4.75	---	PASS
DH5	Ant1	2441	30~1000	-4.75	-62.66	≤-24.75	PASS
DH5	Ant1	2441	1000~26500	-4.75	-39.71	≤-24.75	PASS
DH5	Ant1	2480	0~Reference	-6.55	-6.55	---	PASS
DH5	Ant1	2480	30~1000	-6.55	-62.39	≤-26.55	PASS
DH5	Ant1	2480	1000~26500	-6.55	-41.07	≤-26.55	PASS
2DH5	Ant1	2402	0~Reference	-6.95	-6.95	---	PASS
2DH5	Ant1	2402	30~1000	-6.95	-62.27	≤-26.95	PASS
2DH5	Ant1	2402	1000~26500	-6.95	-44.2	≤-26.95	PASS
2DH5	Ant1	2441	0~Reference	-8.33	-8.33	---	PASS
2DH5	Ant1	2441	30~1000	-8.33	-62.98	≤-28.33	PASS
2DH5	Ant1	2441	1000~26500	-8.33	-41.69	≤-28.33	PASS
2DH5	Ant1	2480	0~Reference	-9.61	-9.61	---	PASS
2DH5	Ant1	2480	30~1000	-9.61	-61.91	≤-29.61	PASS
2DH5	Ant1	2480	1000~26500	-9.61	-41.17	≤-29.61	PASS
3DH5	Ant1	2402	0~Reference	-5.84	-5.84	---	PASS
3DH5	Ant1	2402	30~1000	-5.84	-62.97	≤-25.84	PASS
3DH5	Ant1	2402	1000~26500	-5.84	-44.79	≤-25.84	PASS
3DH5	Ant1	2441	0~Reference	-7.01	-7.01	---	PASS
3DH5	Ant1	2441	30~1000	-7.01	-62.73	≤-27.01	PASS
3DH5	Ant1	2441	1000~26500	-7.01	-42.75	≤-27.01	PASS
3DH5	Ant1	2480	0~Reference	-9.36	-9.36	---	PASS
3DH5	Ant1	2480	30~1000	-9.36	-61.49	≤-29.36	PASS
3DH5	Ant1	2480	1000~26500	-9.36	-41.24	≤-29.36	PASS

Test Graphs

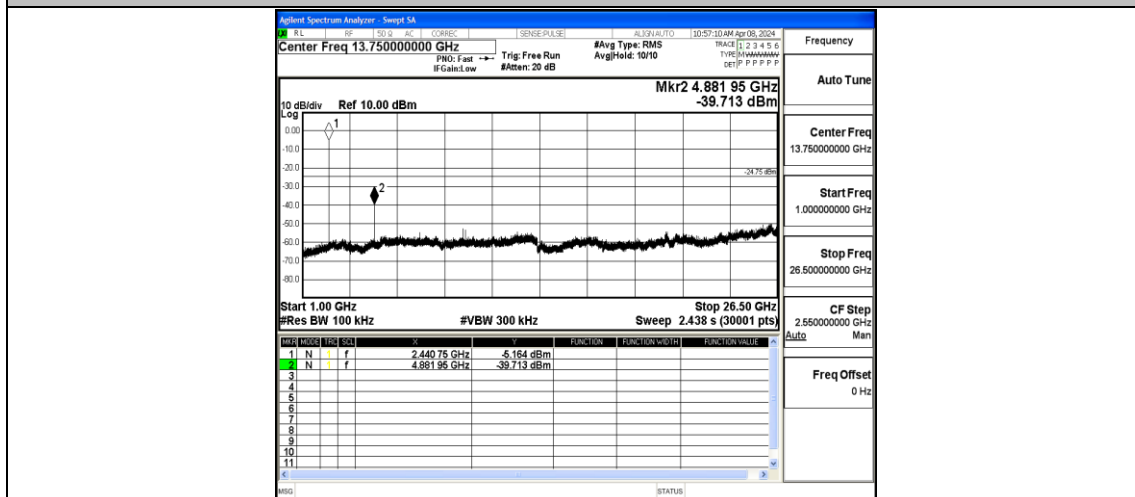




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS