

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

Product Name: TWS Bluetooth headset

Trade Mark: N/A

Test Model: GT-46

FCC ID: 2BFD9-GT46

Environmental Conditions

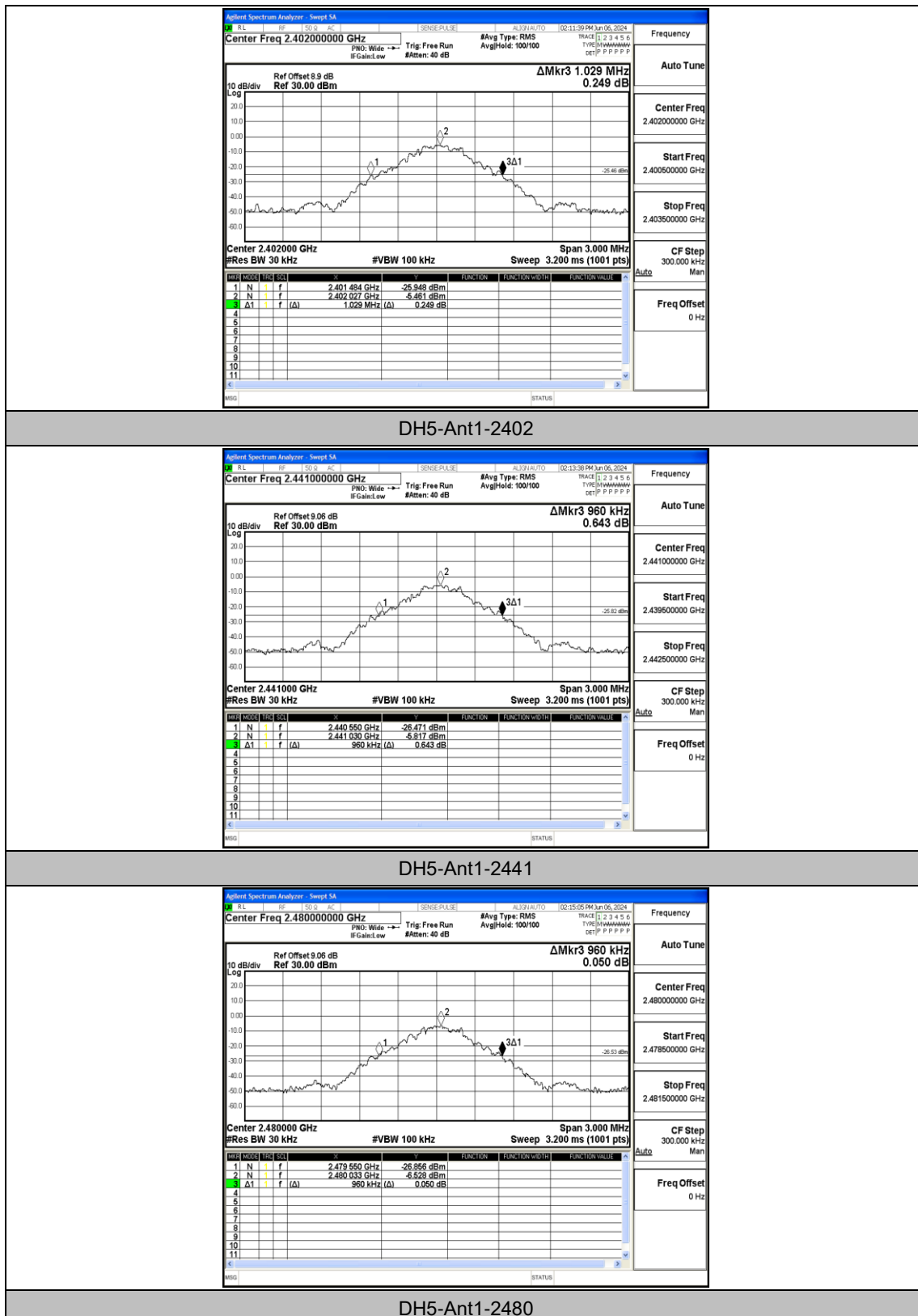
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

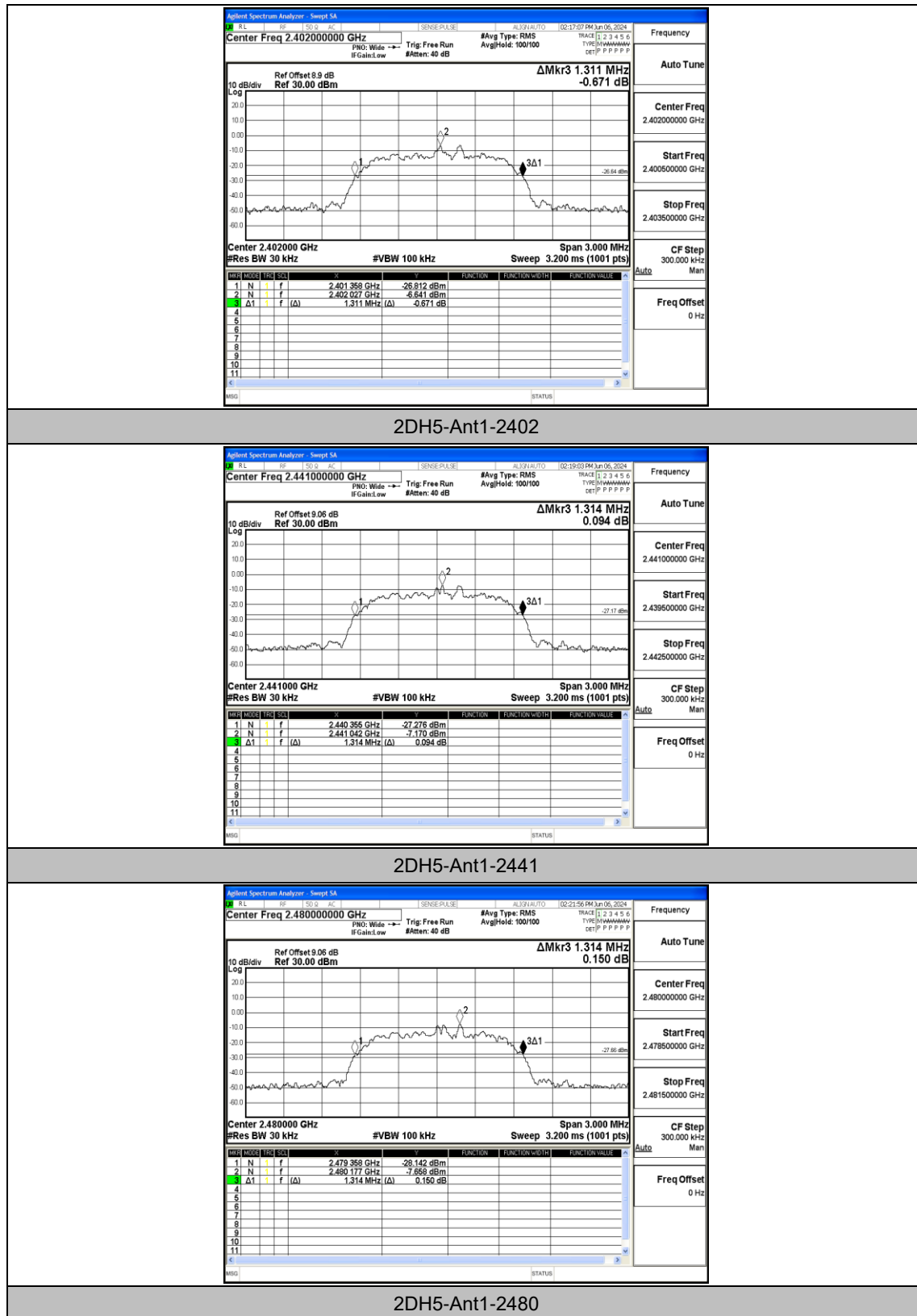
Appendix A: 20dB Emission Bandwidth

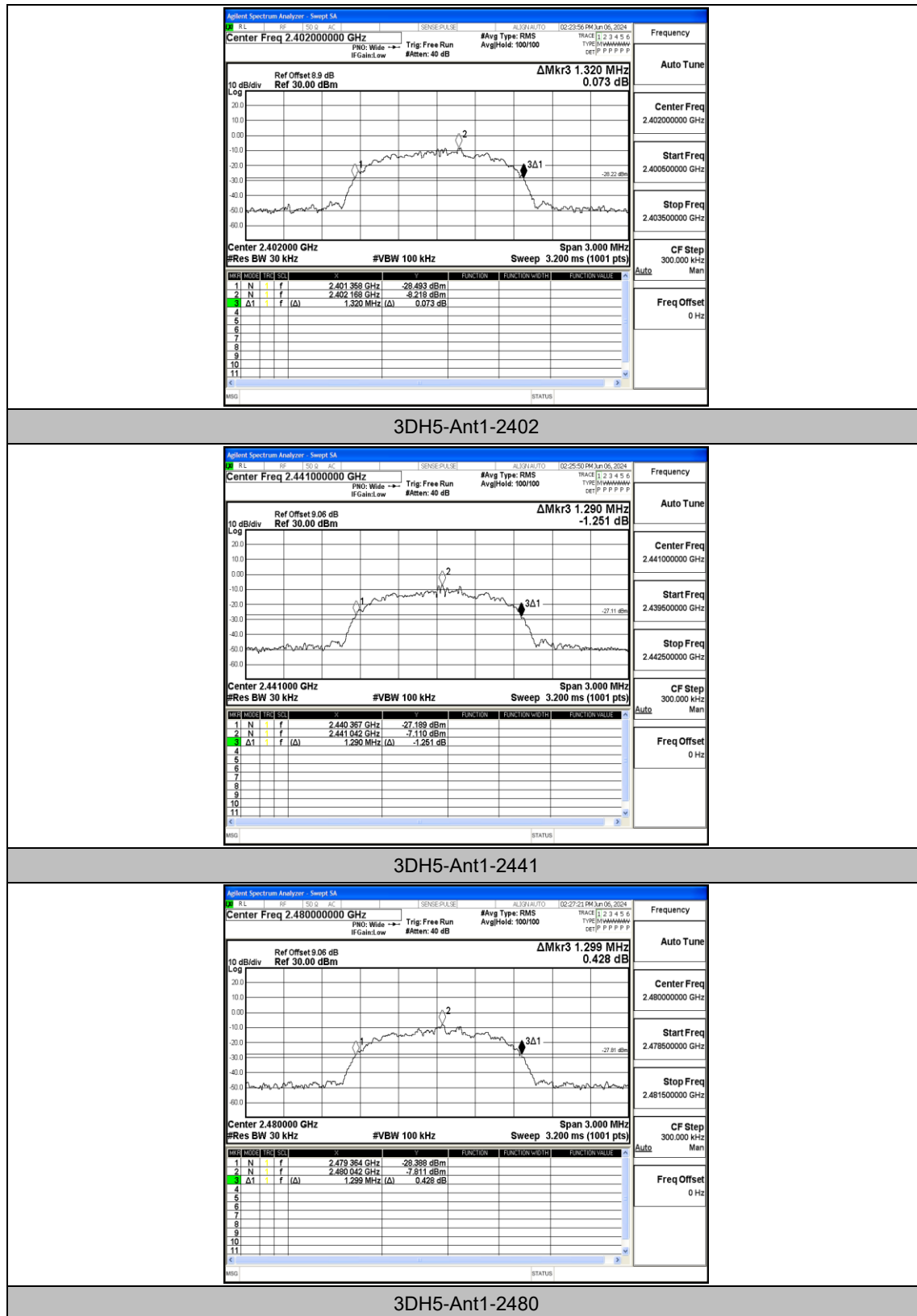
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.029	2401.484	2402.513	---	---
DH5	Ant1	2441	0.960	2440.550	2441.510	---	---
DH5	Ant1	2480	0.960	2479.550	2480.510	---	---
2DH5	Ant1	2402	1.311	2401.358	2402.669	---	---
2DH5	Ant1	2441	1.314	2440.355	2441.669	---	---
2DH5	Ant1	2480	1.314	2479.358	2480.672	---	---
3DH5	Ant1	2402	1.320	2401.358	2402.678	---	---
3DH5	Ant1	2441	1.290	2440.367	2441.657	---	---
3DH5	Ant1	2480	1.299	2479.364	2480.663	---	---

Test Graphs





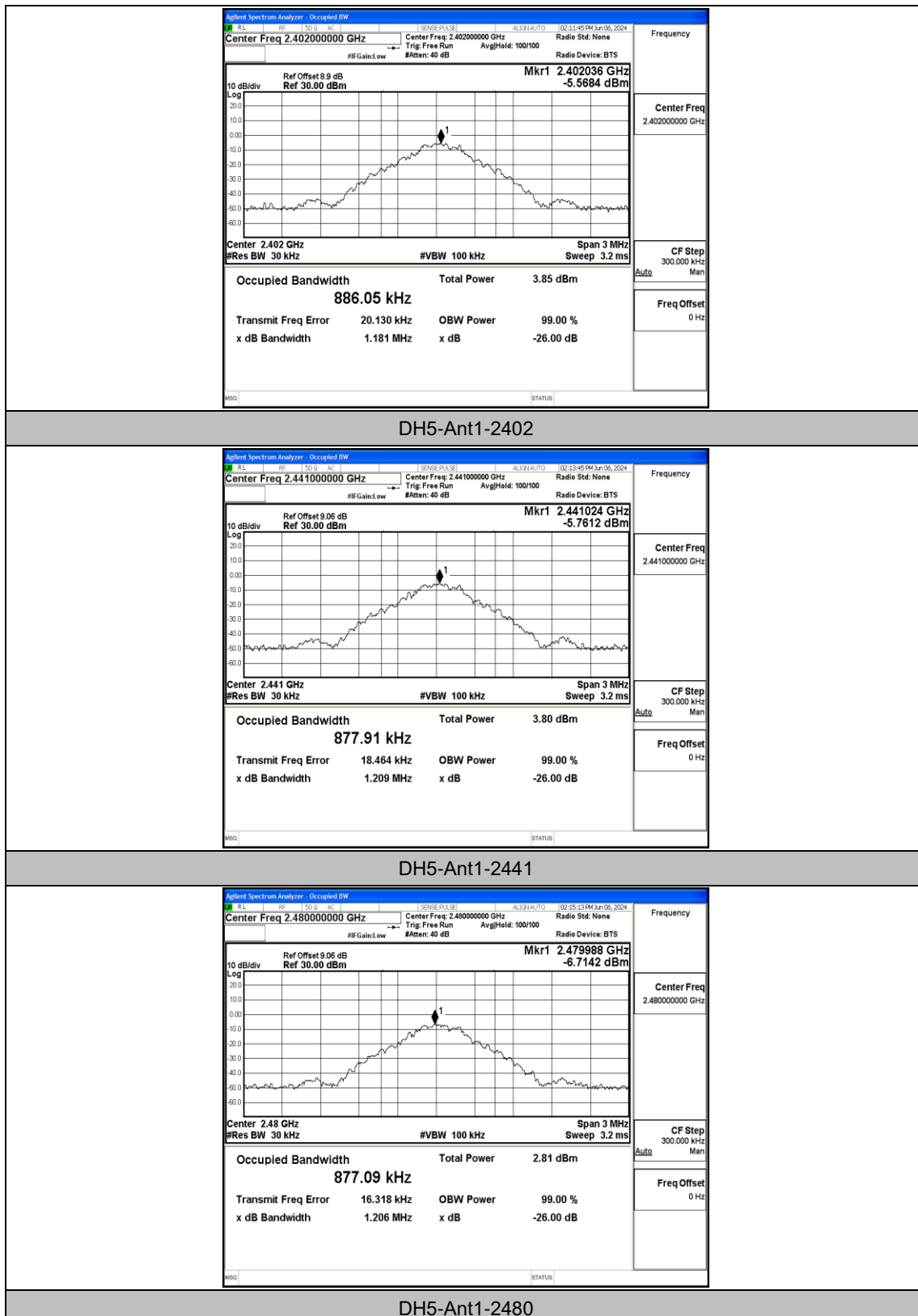


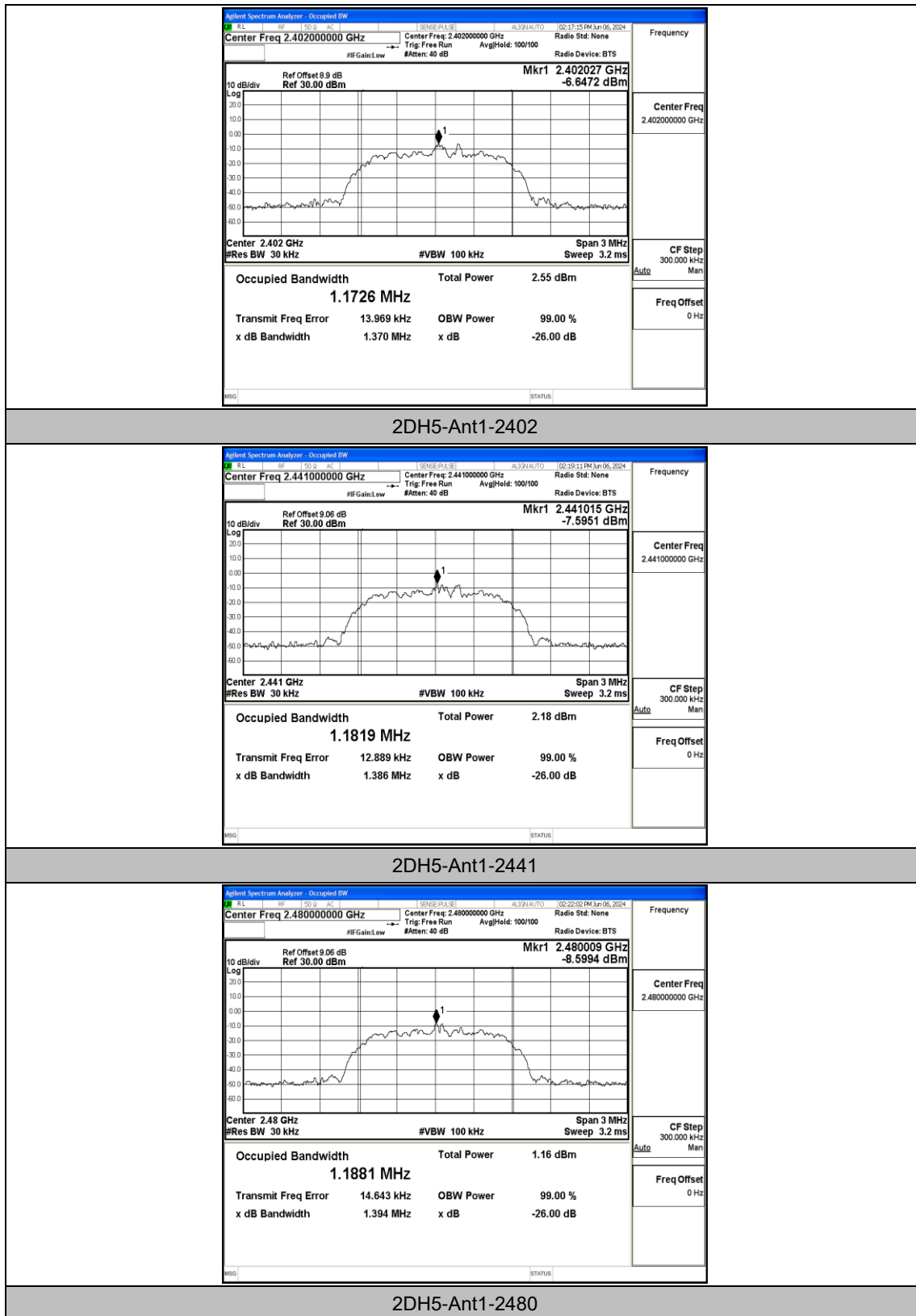
Appendix B: Occupied Channel Bandwidth

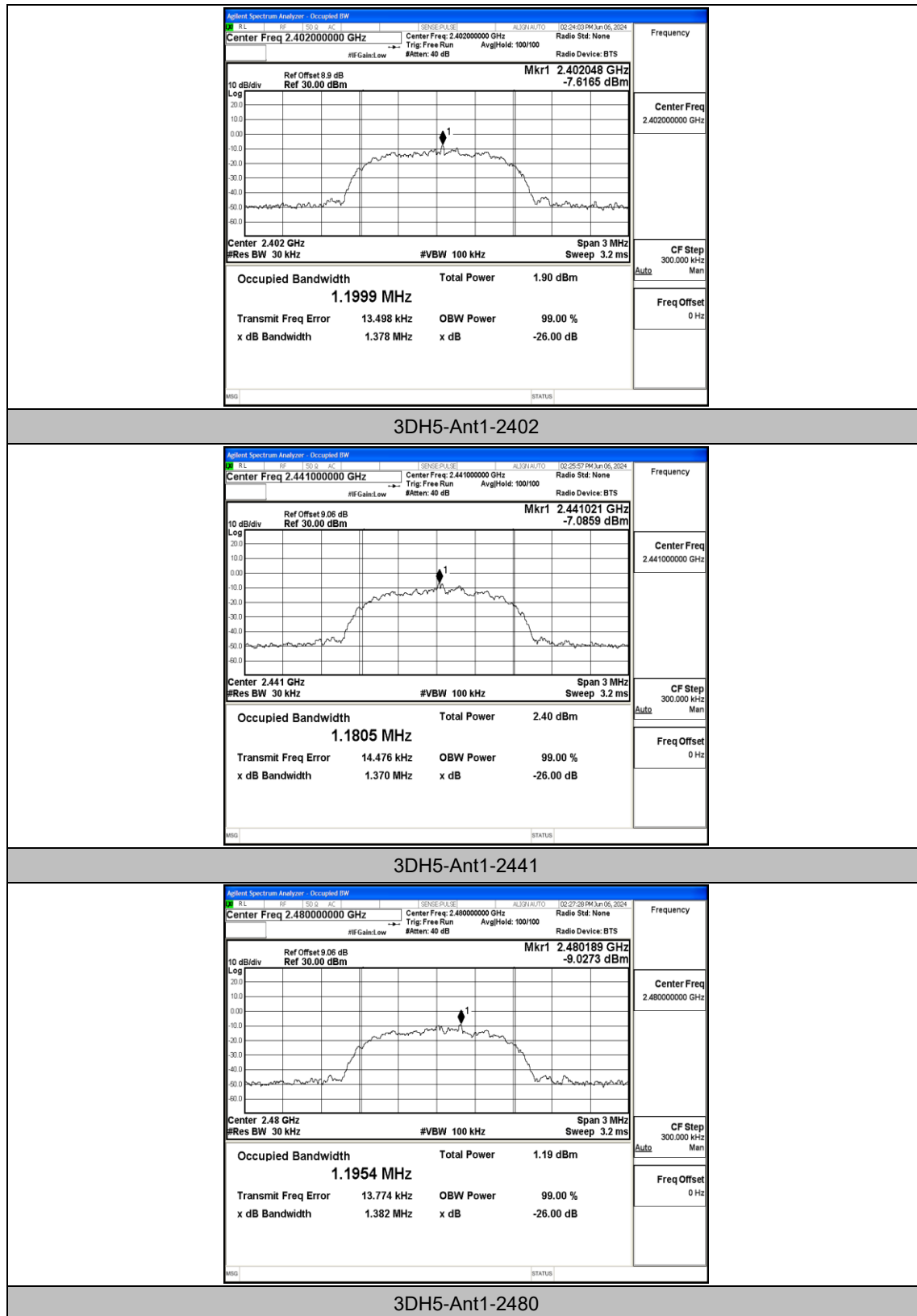
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88605	2401.5771	2402.4632	---	---
DH5	Ant1	2441	0.87791	2440.5795	2441.4574	---	---
DH5	Ant1	2480	0.87709	2479.5778	2480.4549	---	---
2DH5	Ant1	2402	1.1726	2401.4277	2402.6003	---	---
2DH5	Ant1	2441	1.1819	2440.4219	2441.6038	---	---
2DH5	Ant1	2480	1.1881	2479.4206	2480.6087	---	---
3DH5	Ant1	2402	1.1999	2401.4136	2402.6135	---	---
3DH5	Ant1	2441	1.1805	2440.4242	2441.6047	---	---
3DH5	Ant1	2480	1.1954	2479.4161	2480.6115	---	---

Test Graphs





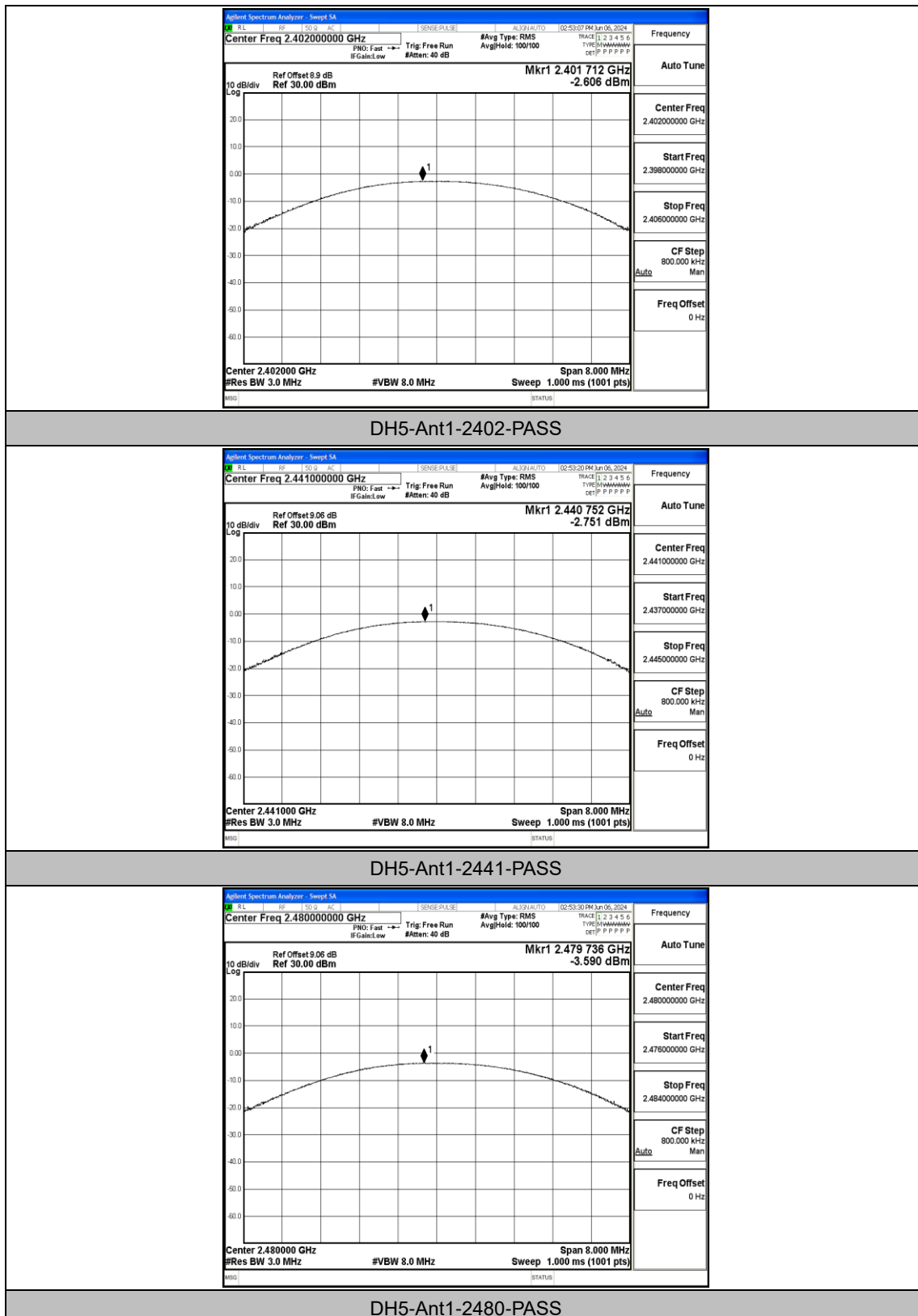


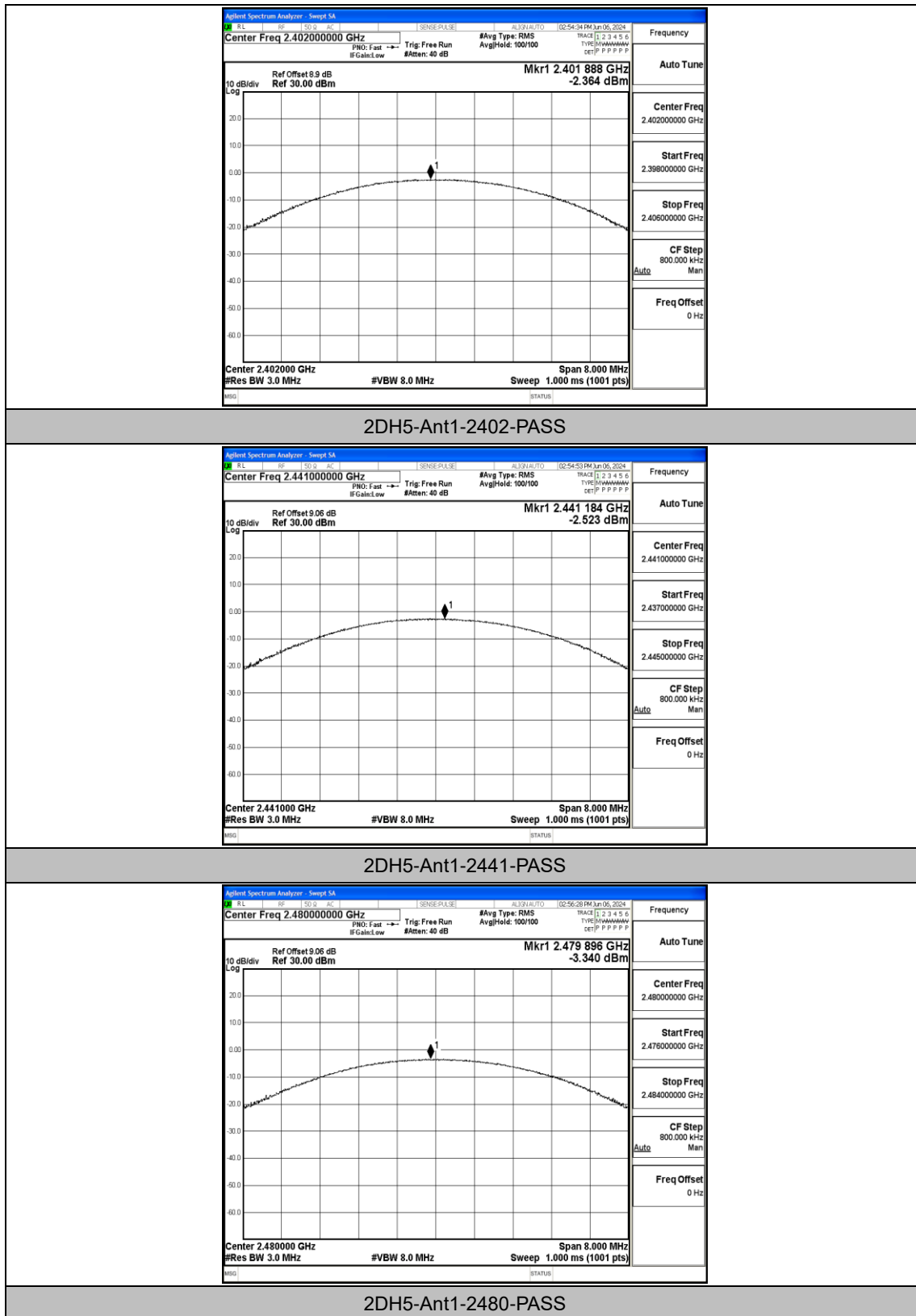
Appendix C: Maximum peak conducted output power

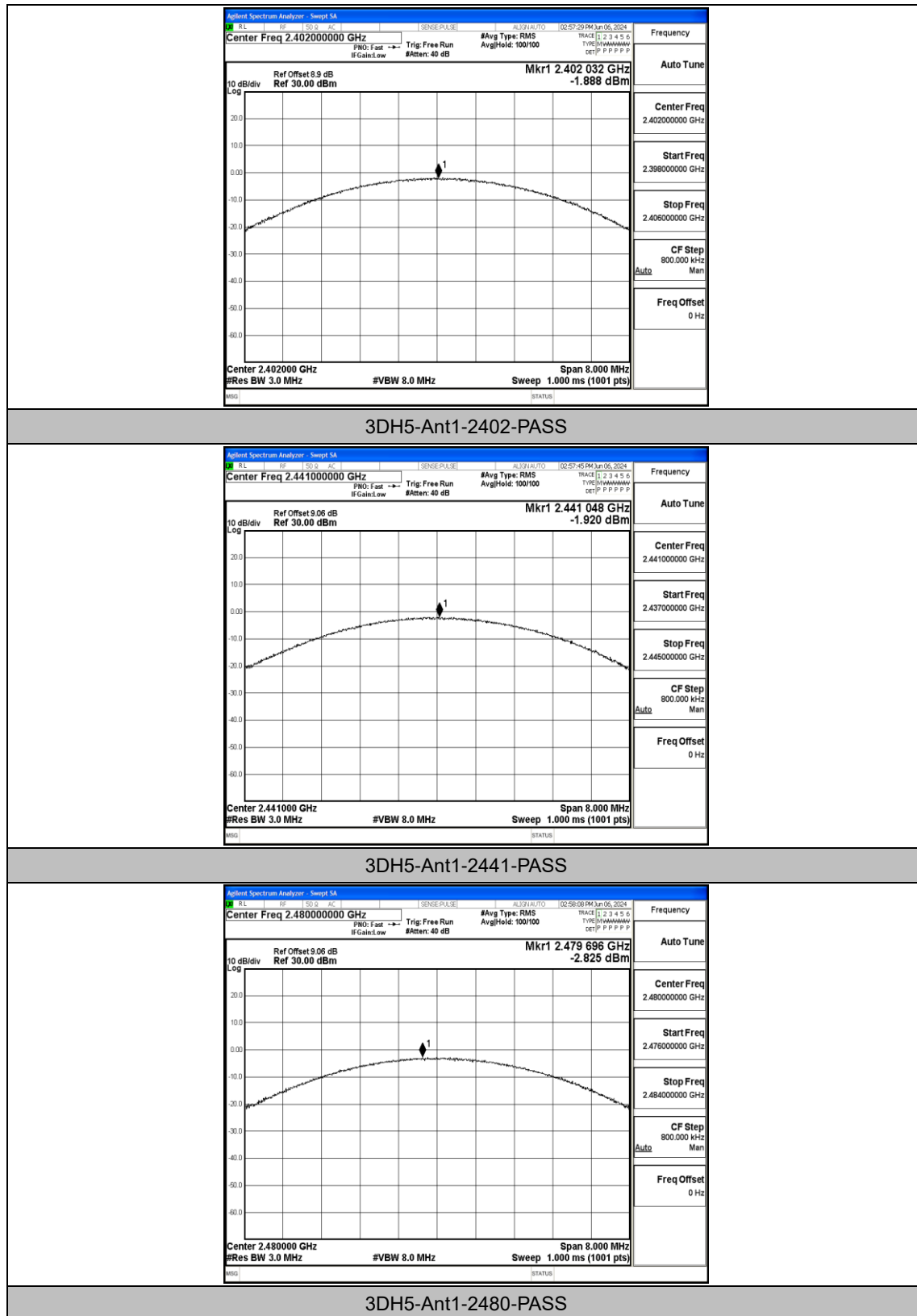
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.61	≤20.97	PASS
DH5	Ant1	2441	-2.75	≤20.97	PASS
DH5	Ant1	2480	-3.59	≤20.97	PASS
2DH5	Ant1	2402	-2.36	≤20.97	PASS
2DH5	Ant1	2441	-2.52	≤20.97	PASS
2DH5	Ant1	2480	-3.34	≤20.97	PASS
3DH5	Ant1	2402	-1.89	≤20.97	PASS
3DH5	Ant1	2441	-1.92	≤20.97	PASS
3DH5	Ant1	2480	-2.83	≤20.97	PASS

Test Graphs





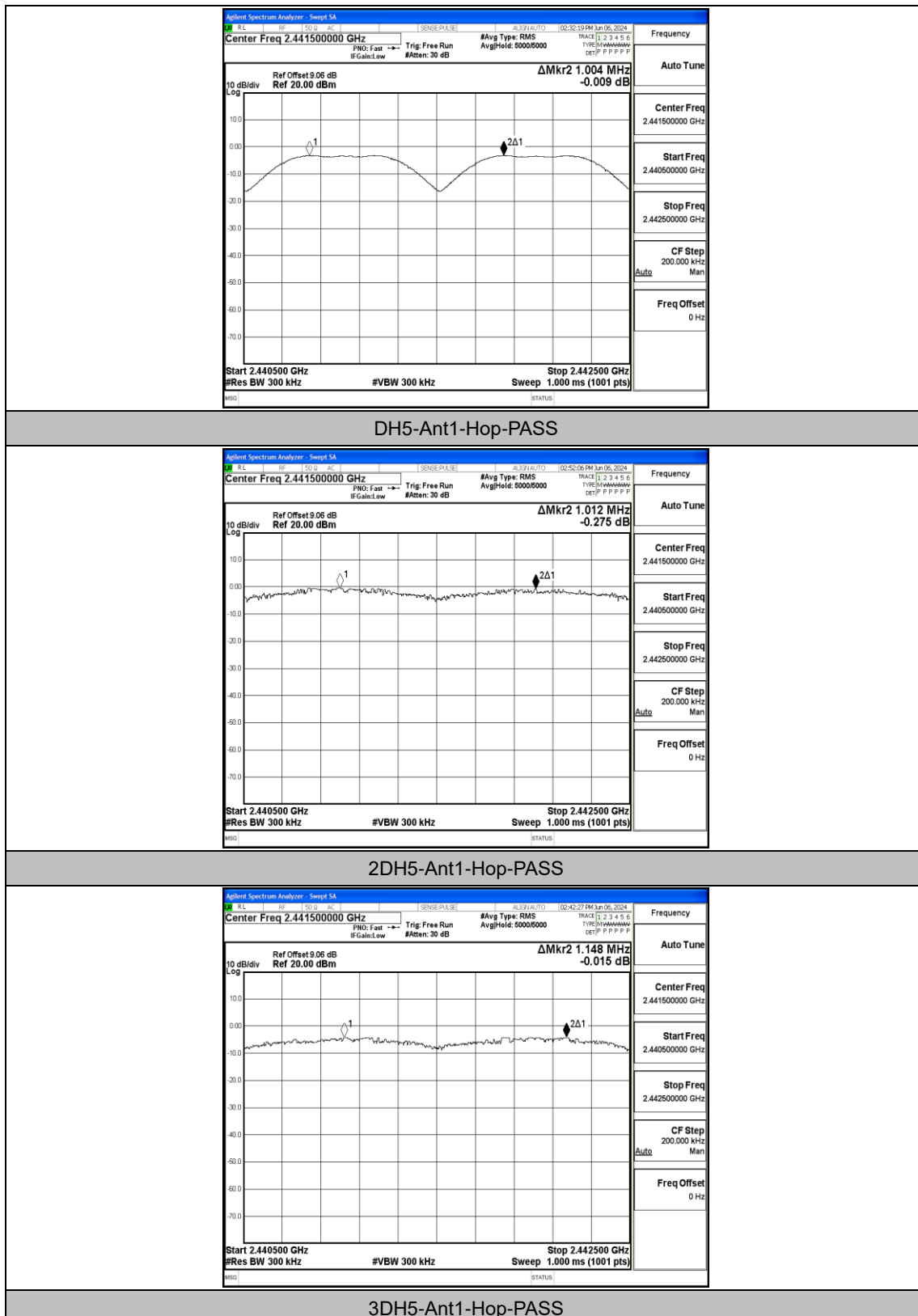


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.686	PASS
2DH5	Ant1	Hop	1.012	≥ 0.876	PASS
3DH5	Ant1	Hop	1.148	≥ 0.880	PASS

Test Graphs

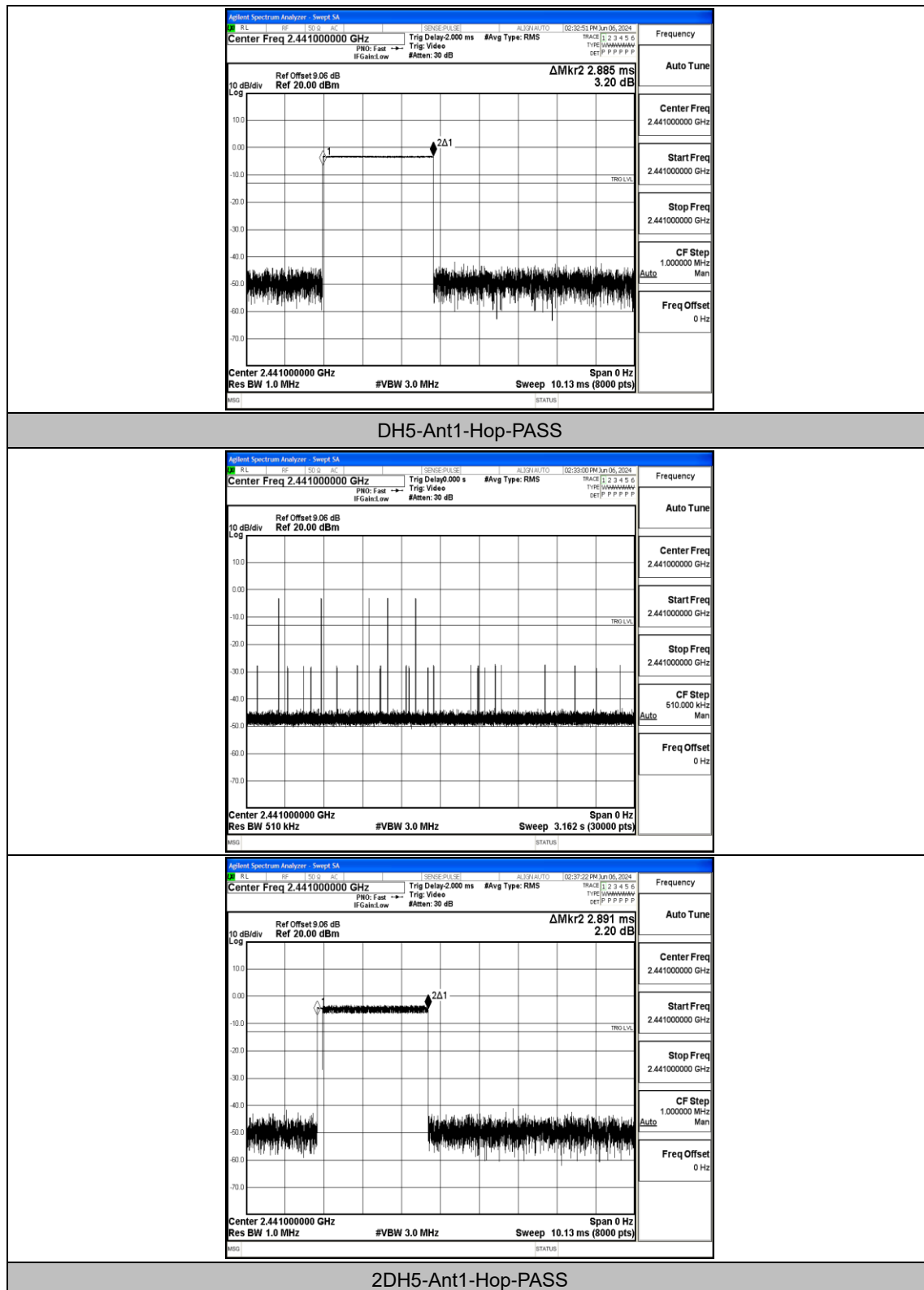


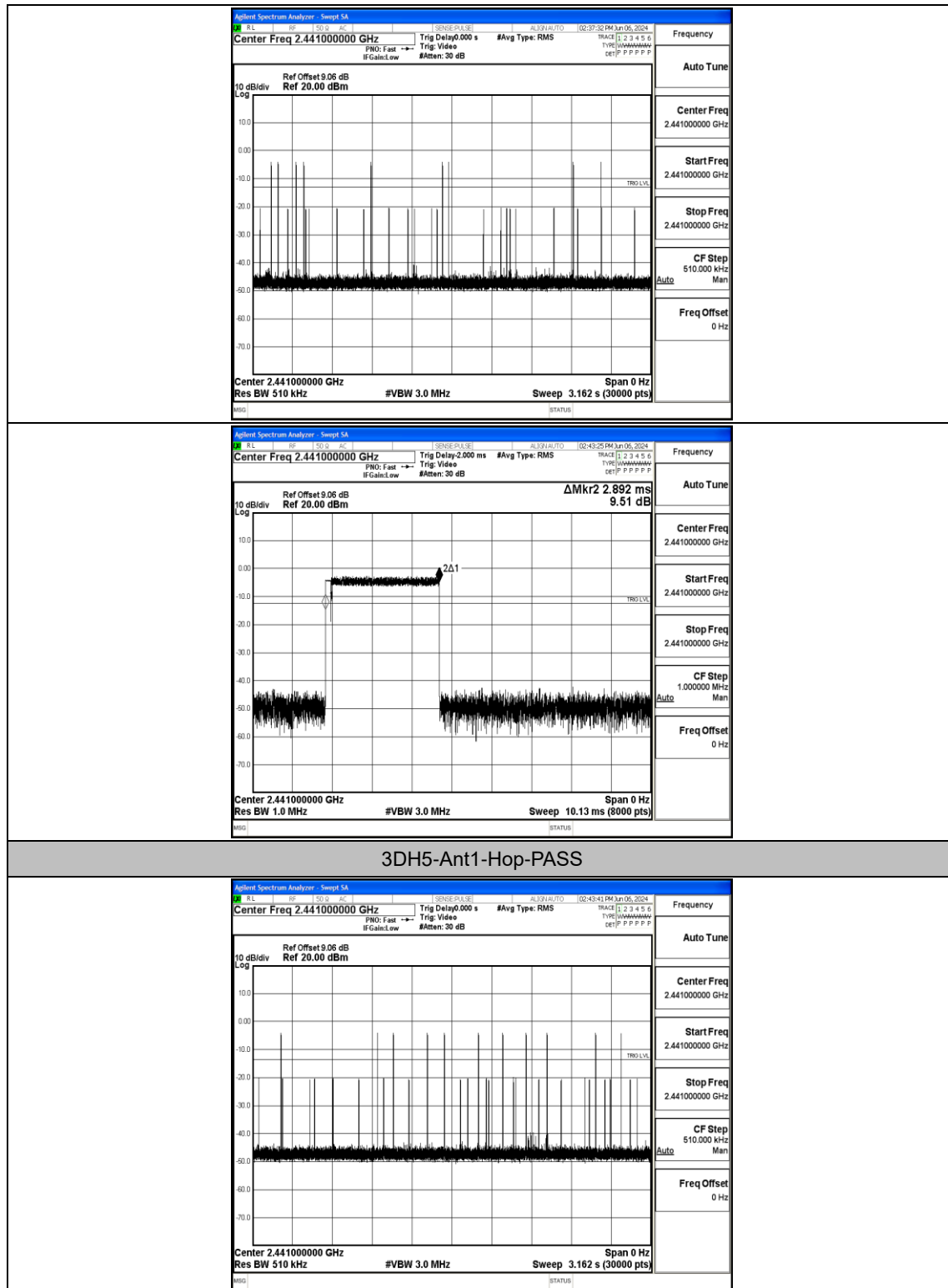
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	60	0.173	≤0.4	PASS
2DH5	Ant1	Hop	2.891	100	0.289	≤0.4	PASS
3DH5	Ant1	Hop	2.892	120	0.347	≤0.4	PASS

Test Graphs



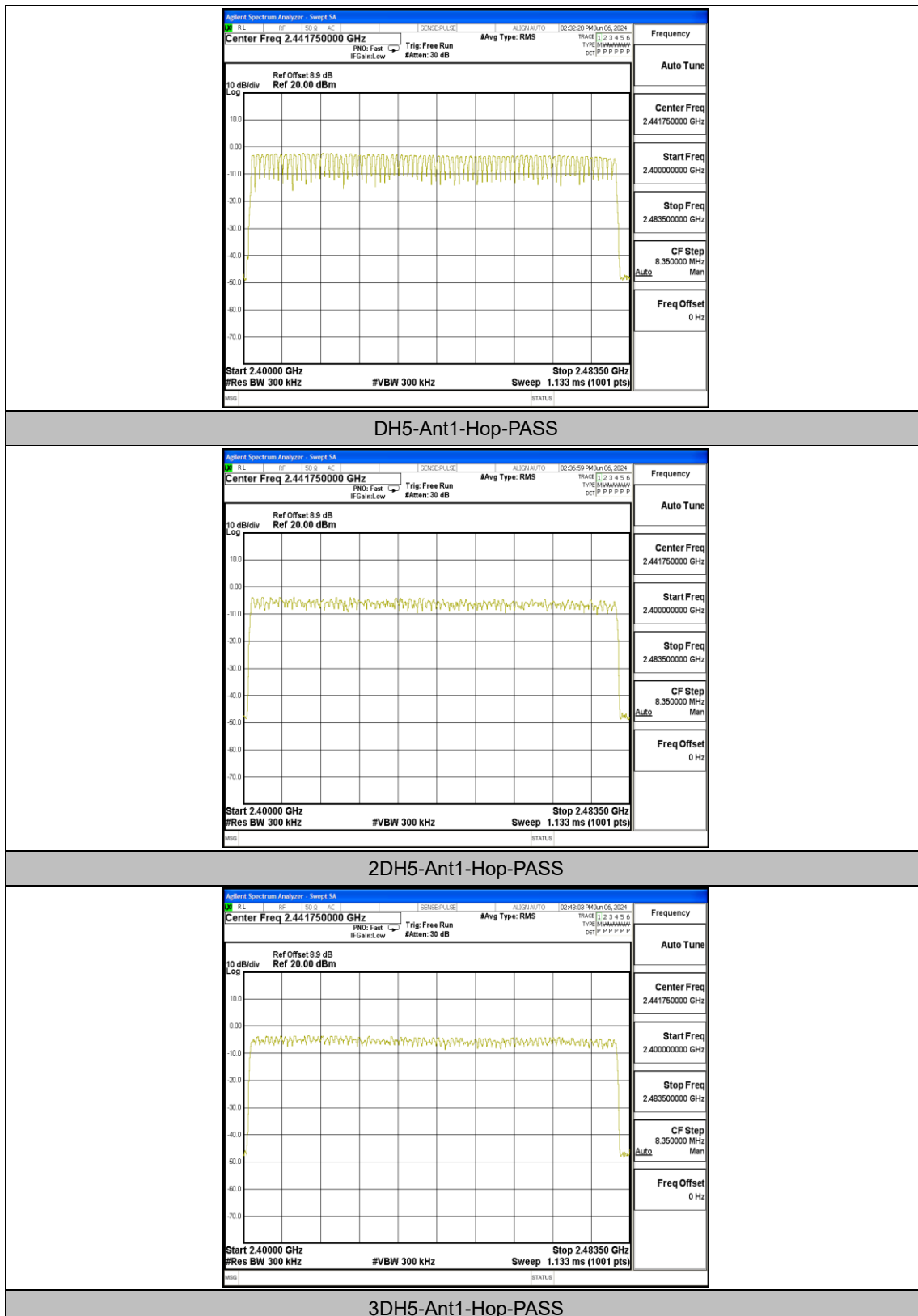


Appendix F: Number of hopping channels

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

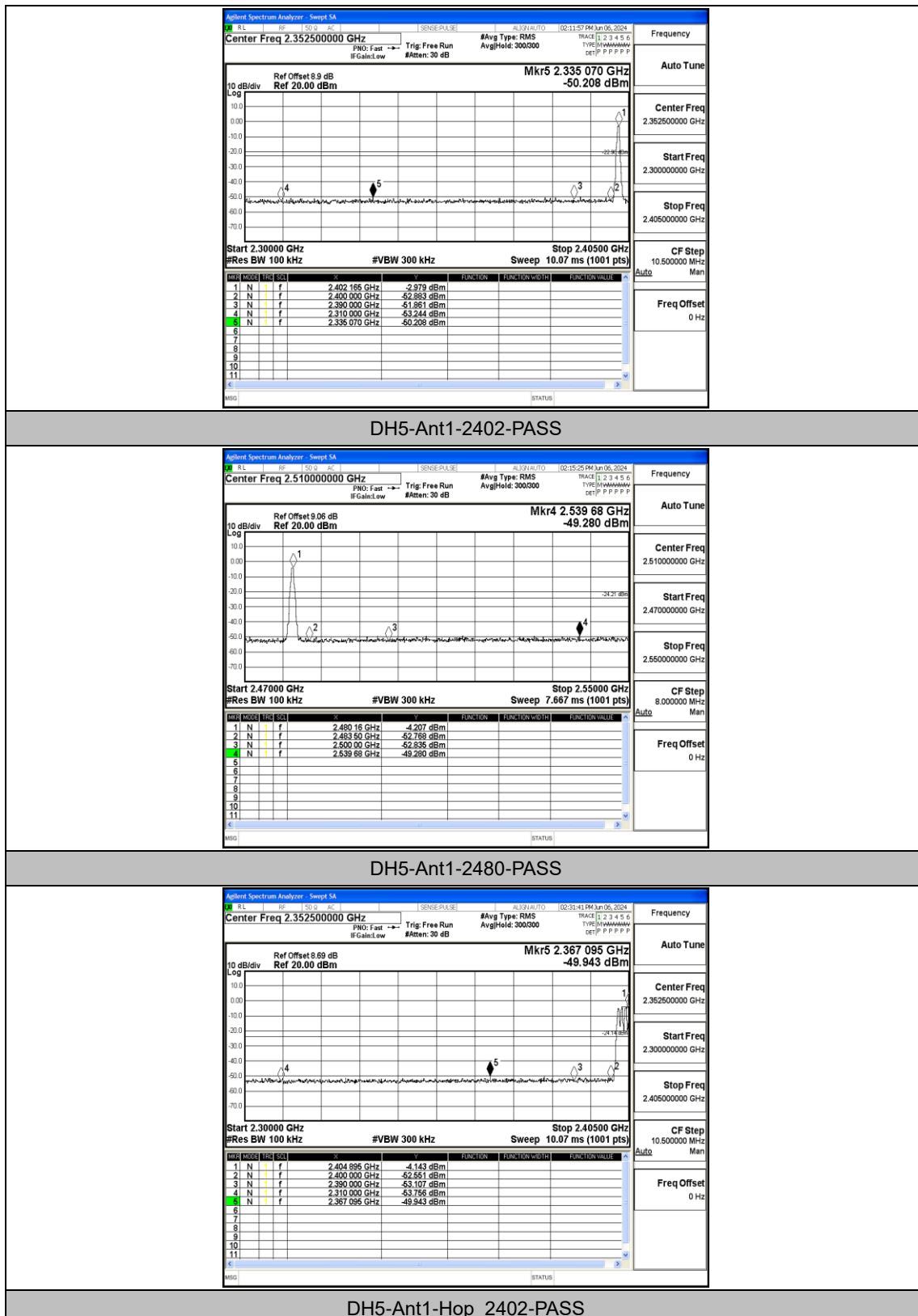


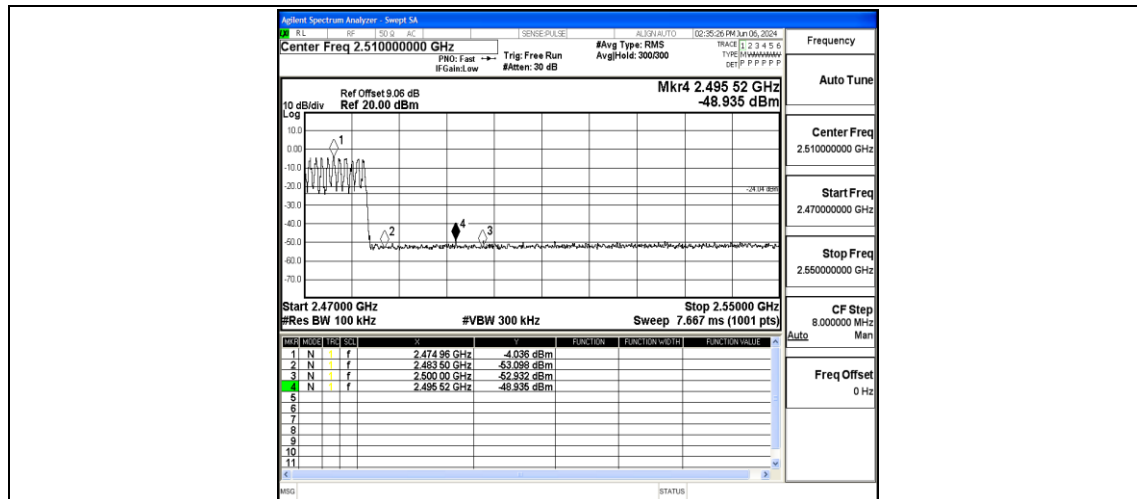
Appendix G: Band edge measurements

Test Result

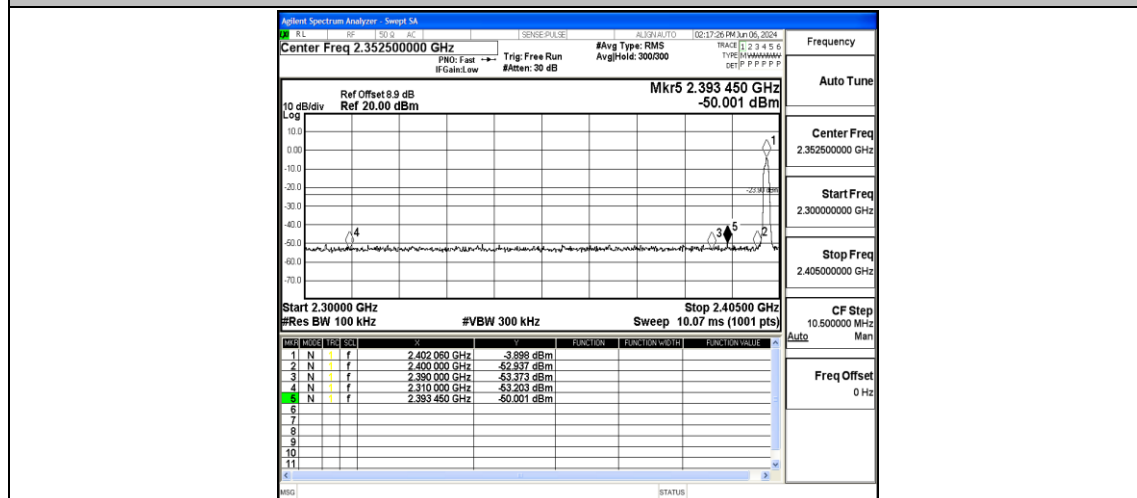
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.98	-50.21	≤ -22.98	PASS
DH5	Ant1	High	2480	-4.21	-49.28	≤ -24.21	PASS
DH5	Ant1	Low	Hop_2402	-4.14	-49.94	≤ -24.14	PASS
DH5	Ant1	High	Hop_2480	-4.04	-48.94	≤ -24.04	PASS
2DH5	Ant1	Low	2402	-3.90	-50	≤ -23.9	PASS
2DH5	Ant1	High	2480	-5.02	-49.4	≤ -25.02	PASS
2DH5	Ant1	Low	Hop_2402	-7.57	-50.75	≤ -27.57	PASS
2DH5	Ant1	High	Hop_2480	-4.48	-49.02	≤ -24.48	PASS
3DH5	Ant1	Low	2402	-4.58	-50.55	≤ -24.58	PASS
3DH5	Ant1	High	2480	-5.82	-49.81	≤ -25.82	PASS
3DH5	Ant1	Low	Hop_2402	-6.15	-50.08	≤ -26.15	PASS
3DH5	Ant1	High	Hop_2480	-5.31	-48.83	≤ -25.31	PASS

Test Graphs

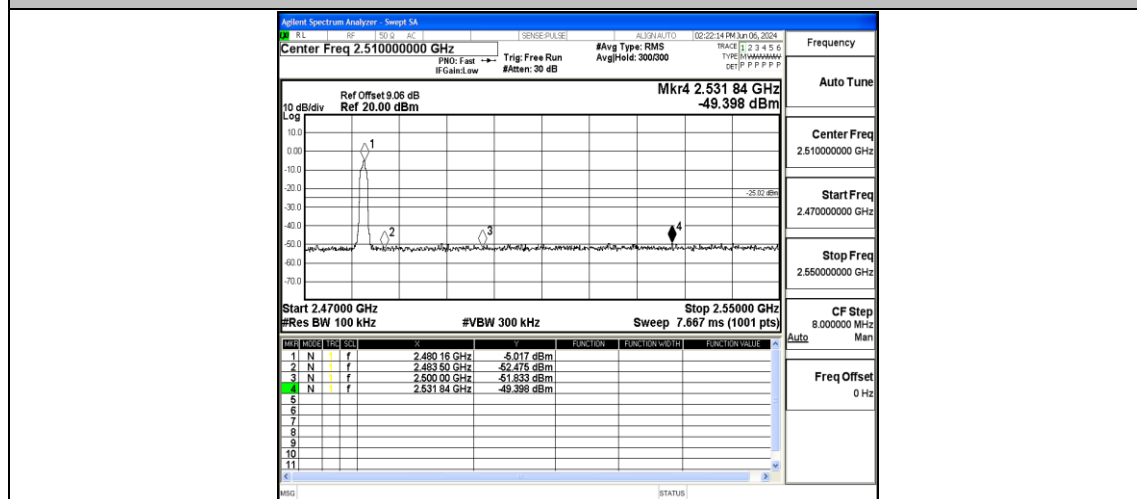




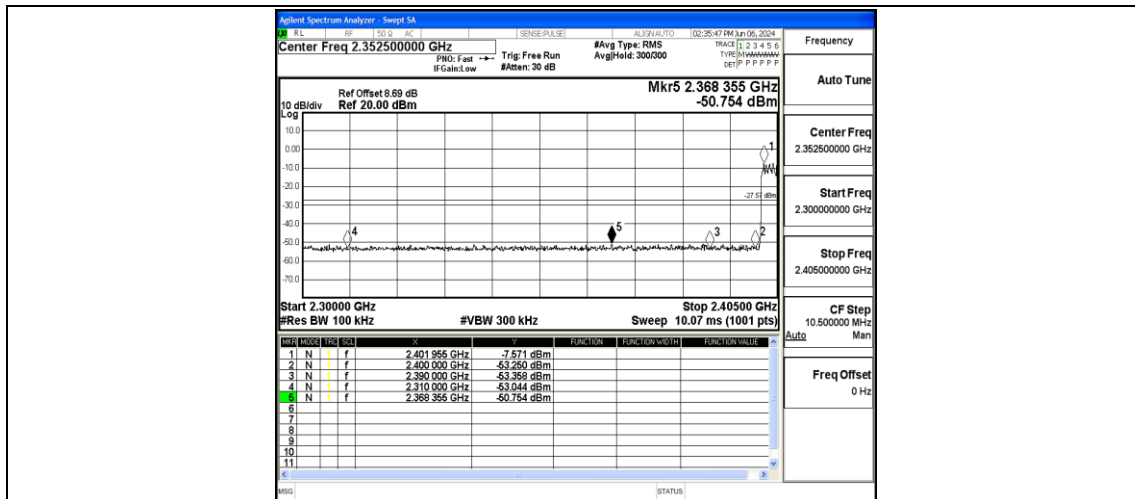
DH5-Ant1-Hop_2480-PASS



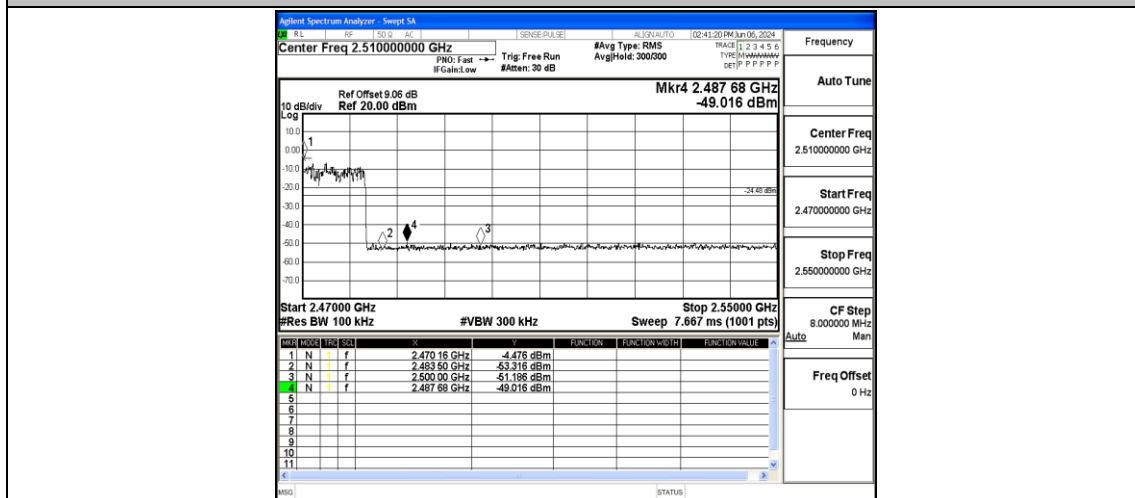
2DH5-Ant1-2402-PASS



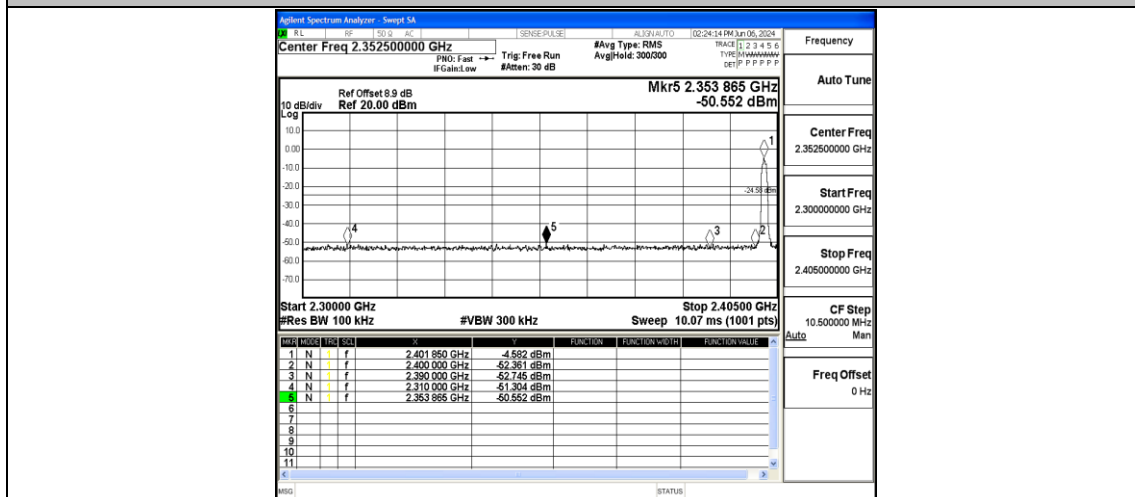
2DH5-Ant1-2480-PASS



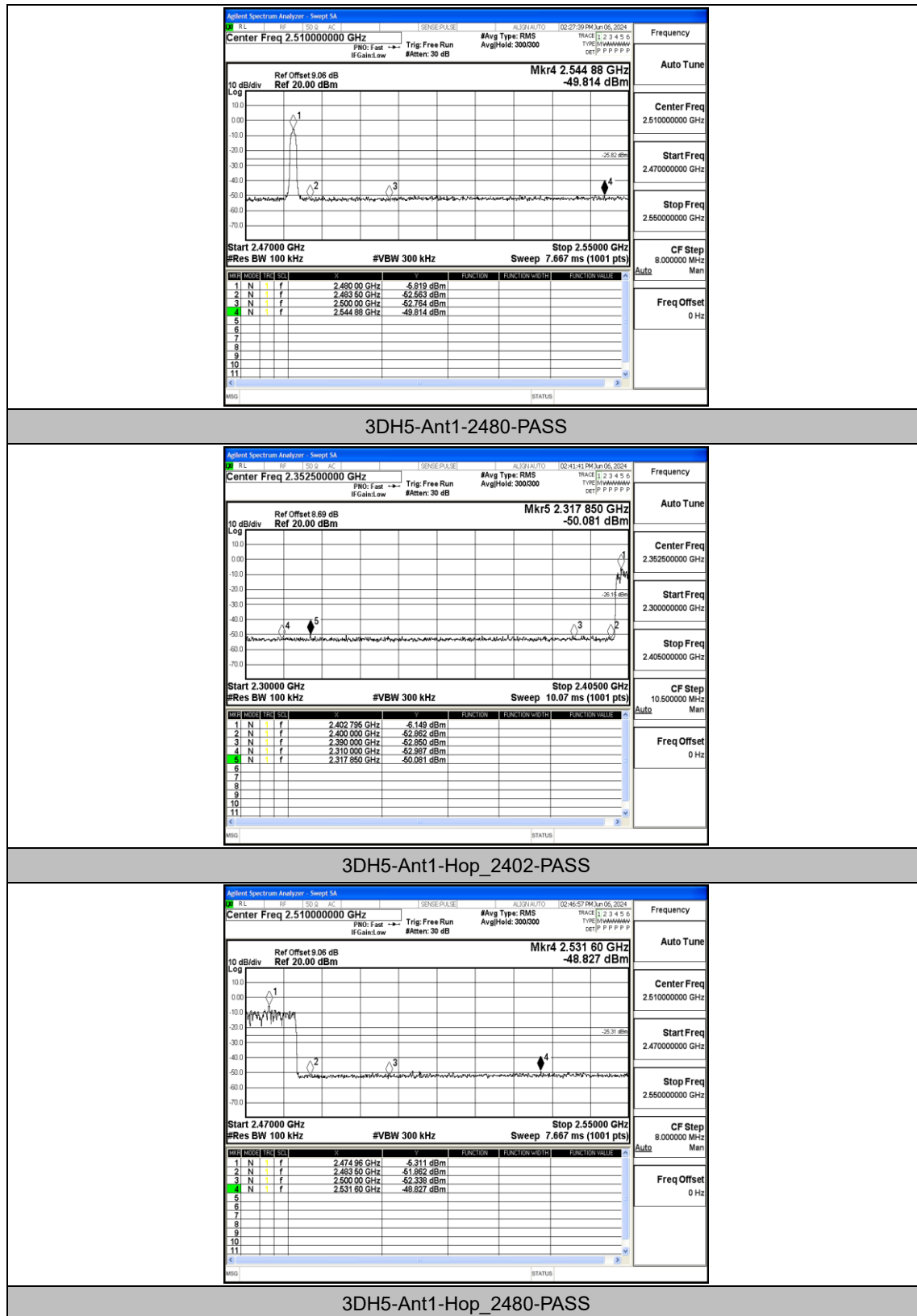
2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS

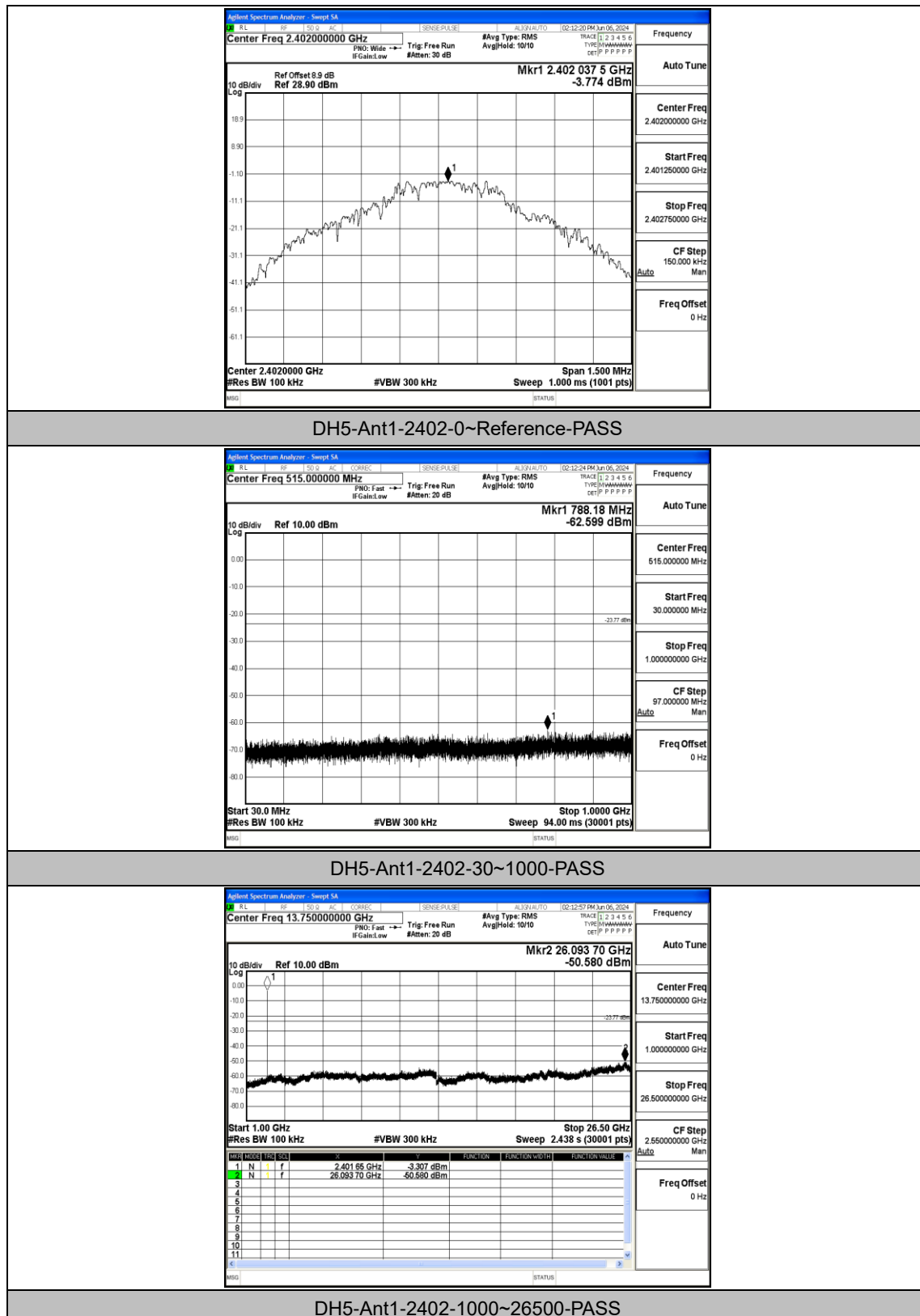


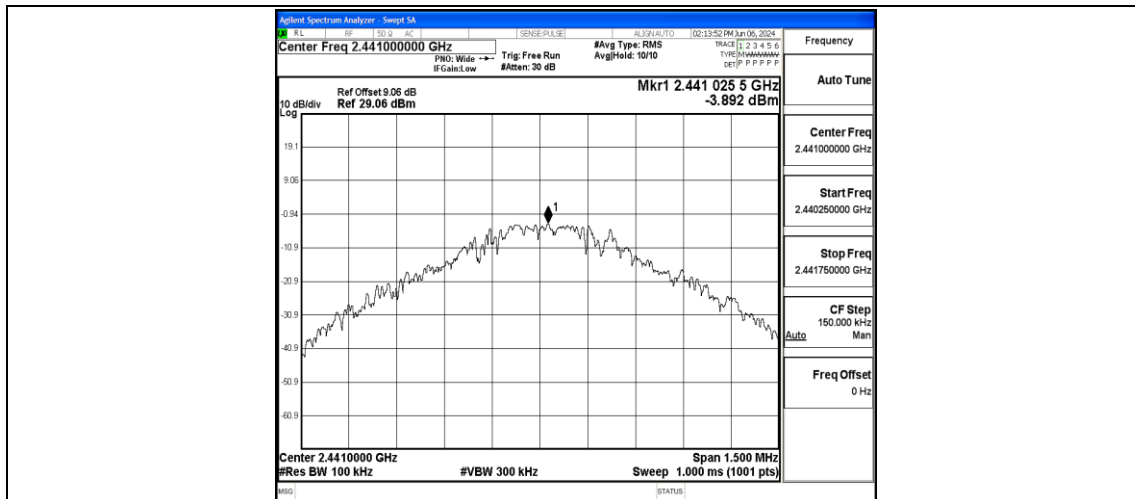
Appendix H: Conducted Spurious Emission

Test Result

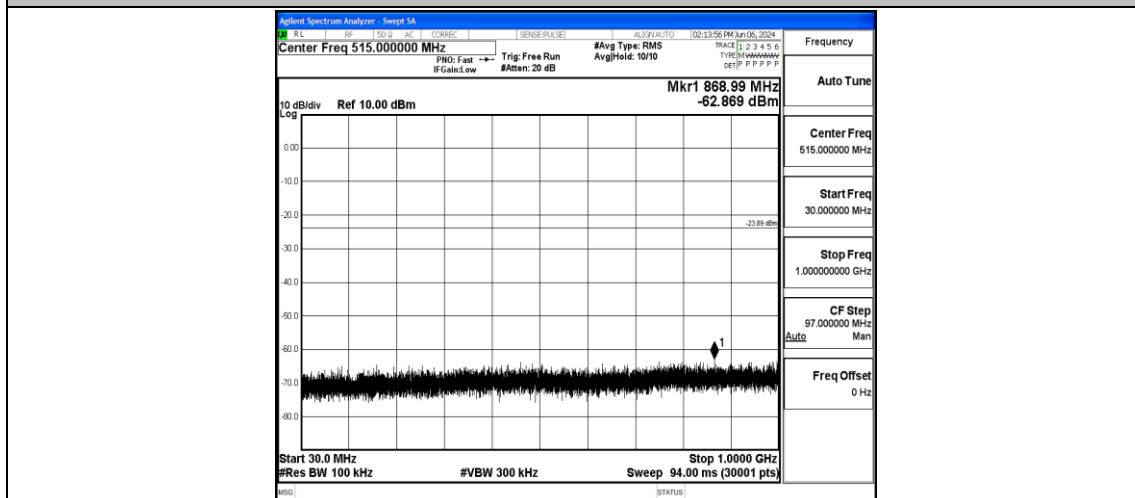
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.77	-3.77	---	PASS
DH5	Ant1	2402	30~1000	-3.77	-62.6	≤-23.77	PASS
DH5	Ant1	2402	1000~26500	-3.77	-50.58	≤-23.77	PASS
DH5	Ant1	2441	0~Reference	-3.89	-3.89	---	PASS
DH5	Ant1	2441	30~1000	-3.89	-62.87	≤-23.89	PASS
DH5	Ant1	2441	1000~26500	-3.89	-50.88	≤-23.89	PASS
DH5	Ant1	2480	0~Reference	-4.76	-4.76	---	PASS
DH5	Ant1	2480	30~1000	-4.76	-62.31	≤-24.76	PASS
DH5	Ant1	2480	1000~26500	-4.76	-49.68	≤-24.76	PASS
2DH5	Ant1	2402	0~Reference	-5.06	-5.06	---	PASS
2DH5	Ant1	2402	30~1000	-5.06	-60.87	≤-25.06	PASS
2DH5	Ant1	2402	1000~26500	-5.06	-50.1	≤-25.06	PASS
2DH5	Ant1	2441	0~Reference	-7.58	-7.58	---	PASS
2DH5	Ant1	2441	30~1000	-7.58	-62.97	≤-27.58	PASS
2DH5	Ant1	2441	1000~26500	-7.58	-50.28	≤-27.58	PASS
2DH5	Ant1	2480	0~Reference	-7.09	-7.09	---	PASS
2DH5	Ant1	2480	30~1000	-7.09	-62.03	≤-27.09	PASS
2DH5	Ant1	2480	1000~26500	-7.09	-50.76	≤-27.09	PASS
3DH5	Ant1	2402	0~Reference	-6.98	-6.98	---	PASS
3DH5	Ant1	2402	30~1000	-6.98	-62.52	≤-26.98	PASS
3DH5	Ant1	2402	1000~26500	-6.98	-50.56	≤-26.98	PASS
3DH5	Ant1	2441	0~Reference	-5.73	-5.73	---	PASS
3DH5	Ant1	2441	30~1000	-5.73	-62.64	≤-25.73	PASS
3DH5	Ant1	2441	1000~26500	-5.73	-50.58	≤-25.73	PASS
3DH5	Ant1	2480	0~Reference	-8.63	-8.63	---	PASS
3DH5	Ant1	2480	30~1000	-8.63	-62.27	≤-28.63	PASS
3DH5	Ant1	2480	1000~26500	-8.63	-50.02	≤-28.63	PASS

Test Graphs

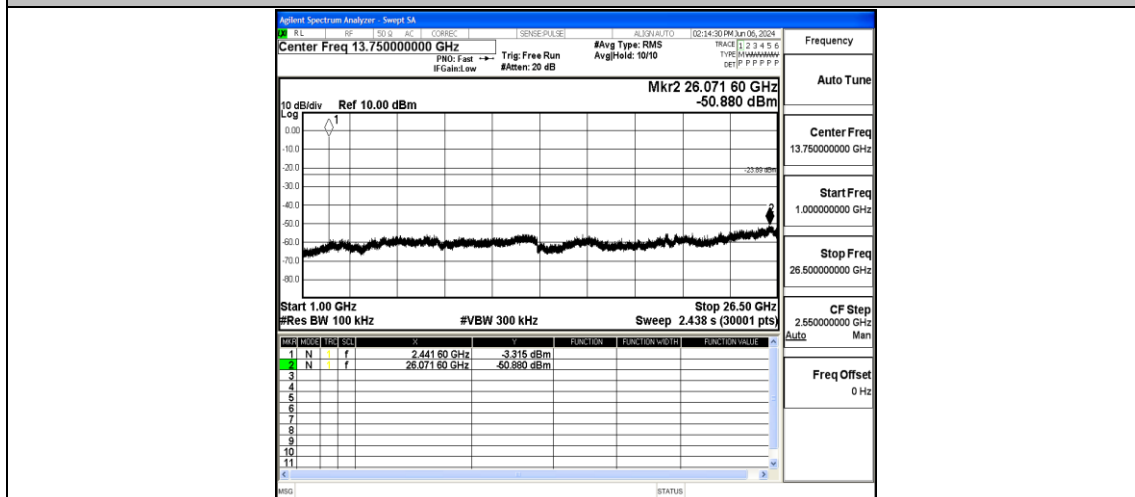




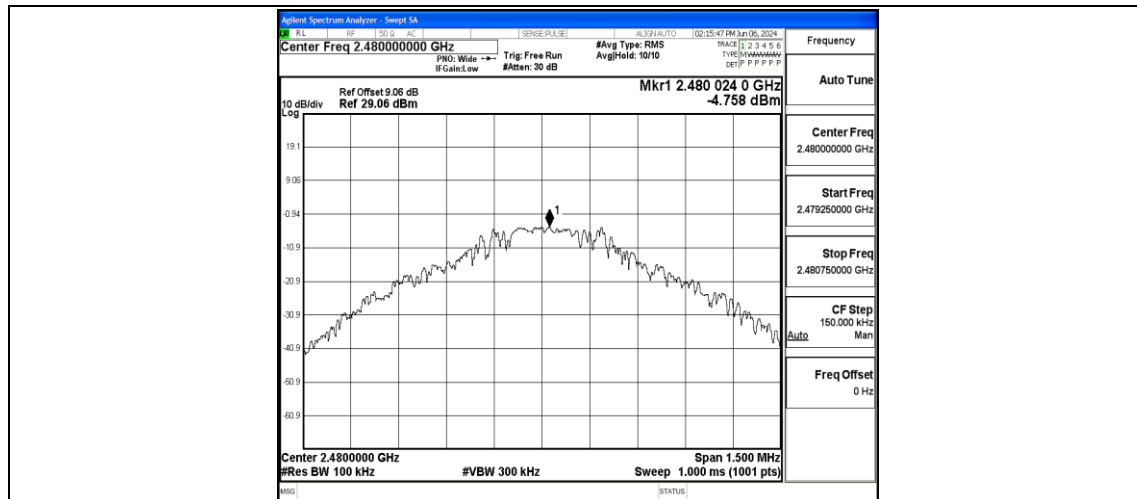
DH5-Ant1-2441-0~Reference-PASS



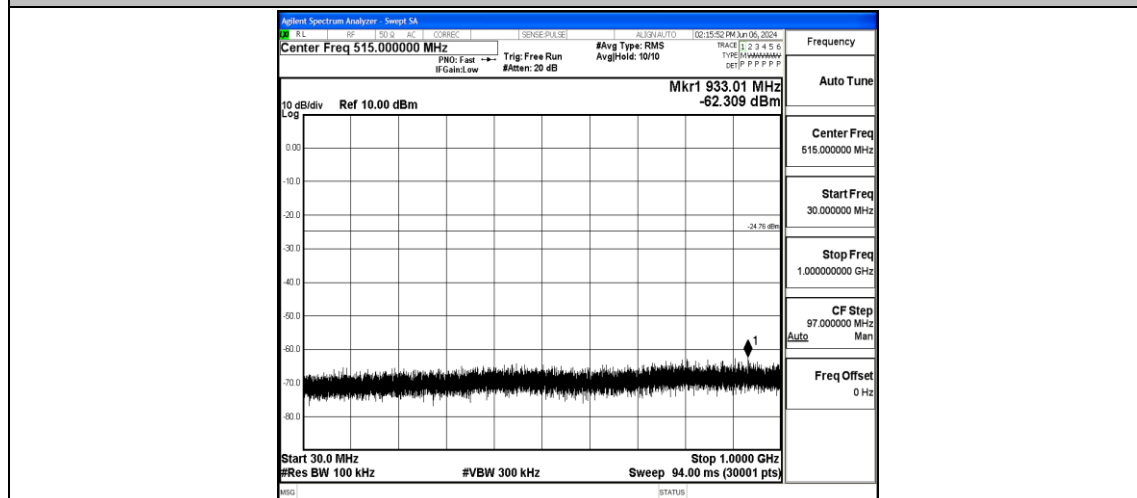
DH5-Ant1-2441-30~1000-PASS



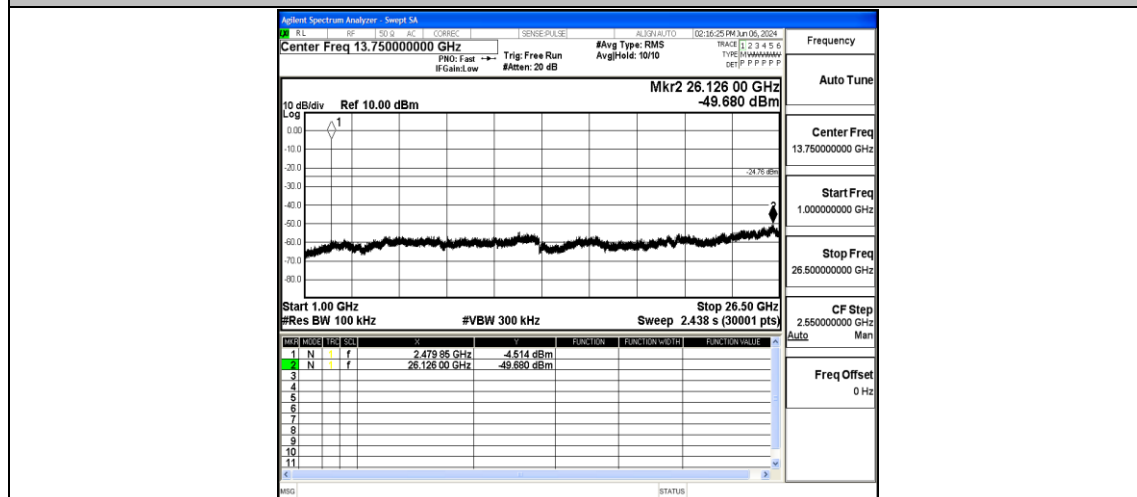
DH5-Ant1-2441-1000~26500-PASS



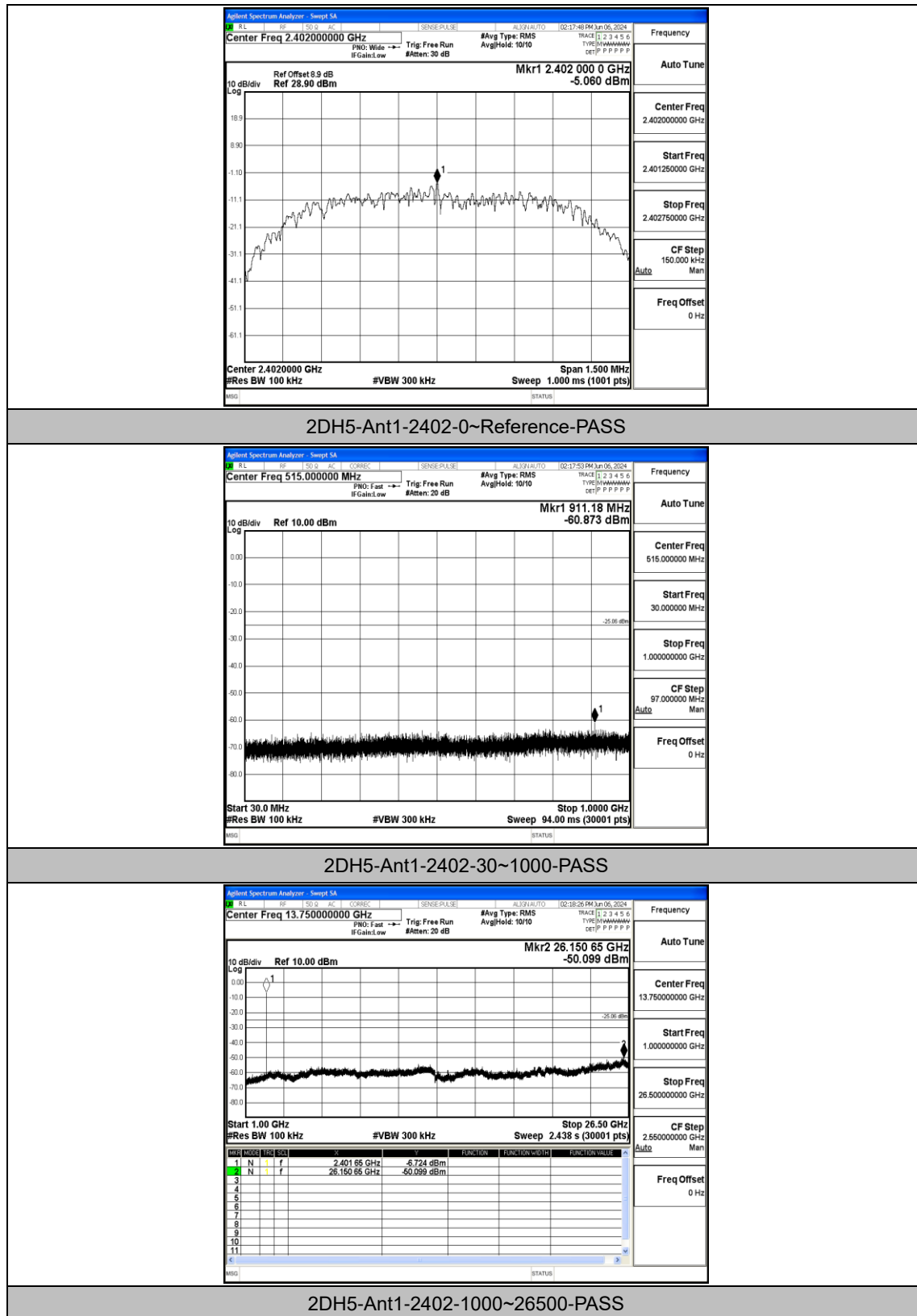
DH5-Ant1-2480-0~Reference-PASS

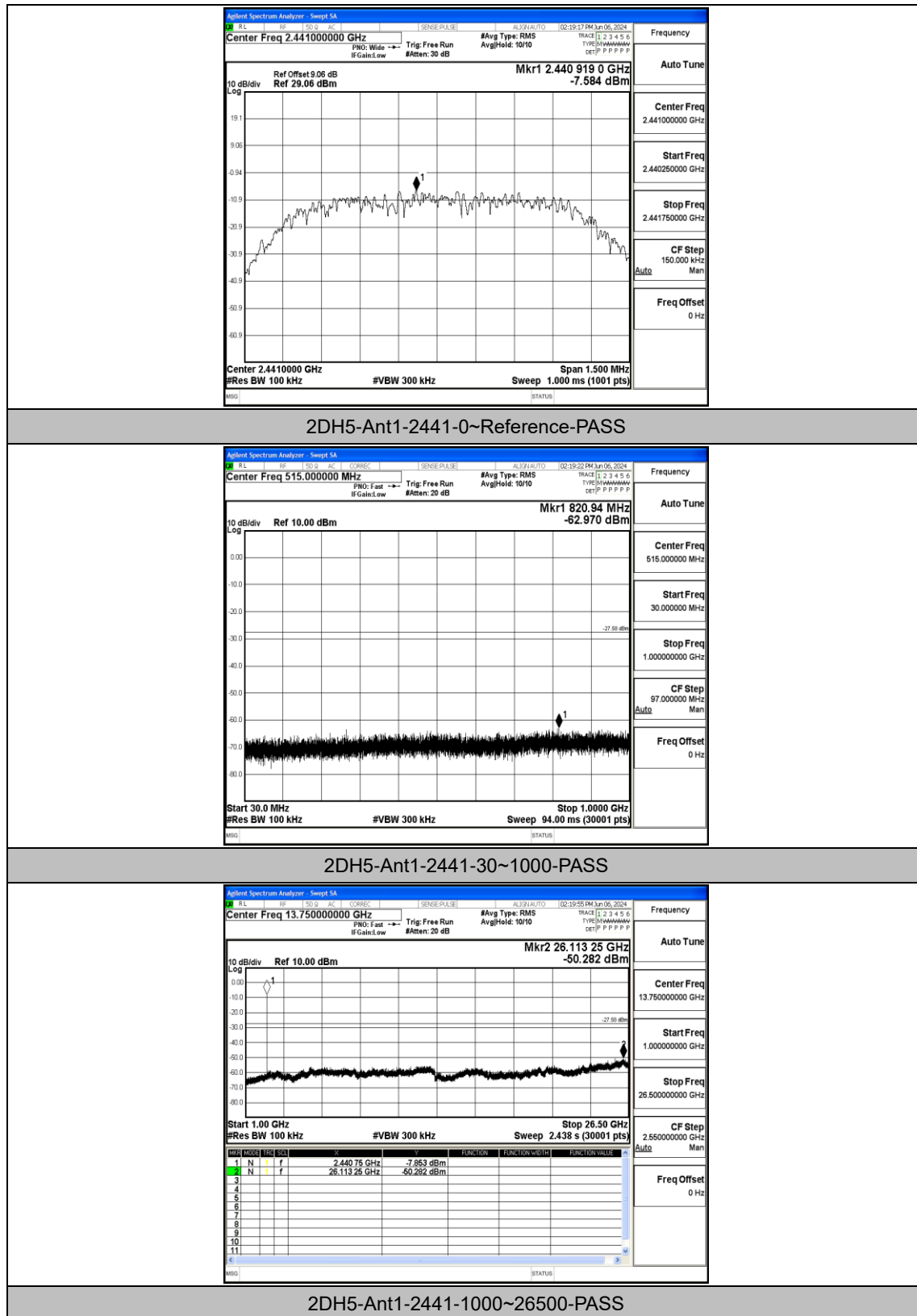


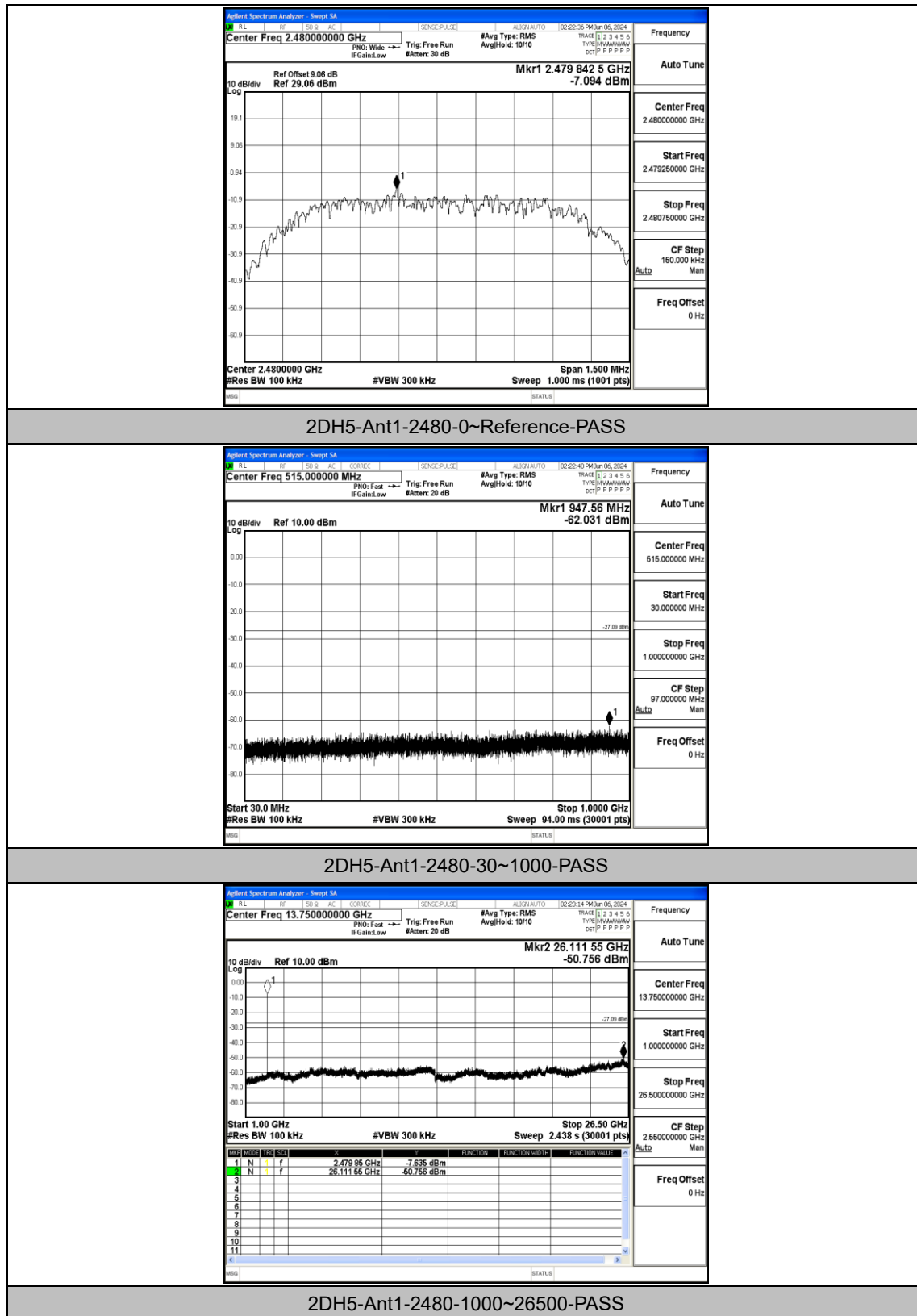
DH5-Ant1-2480-30~1000-PASS

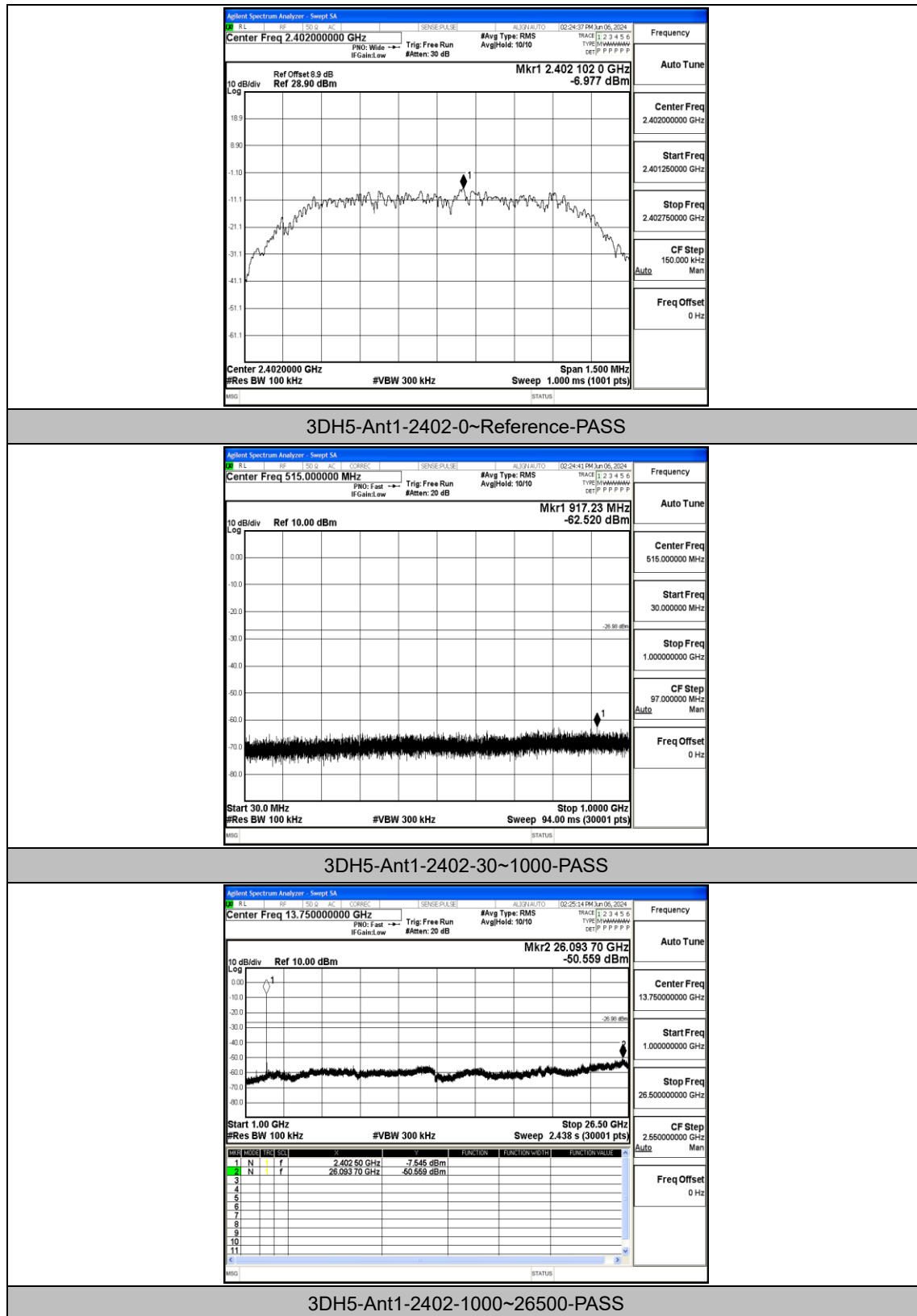


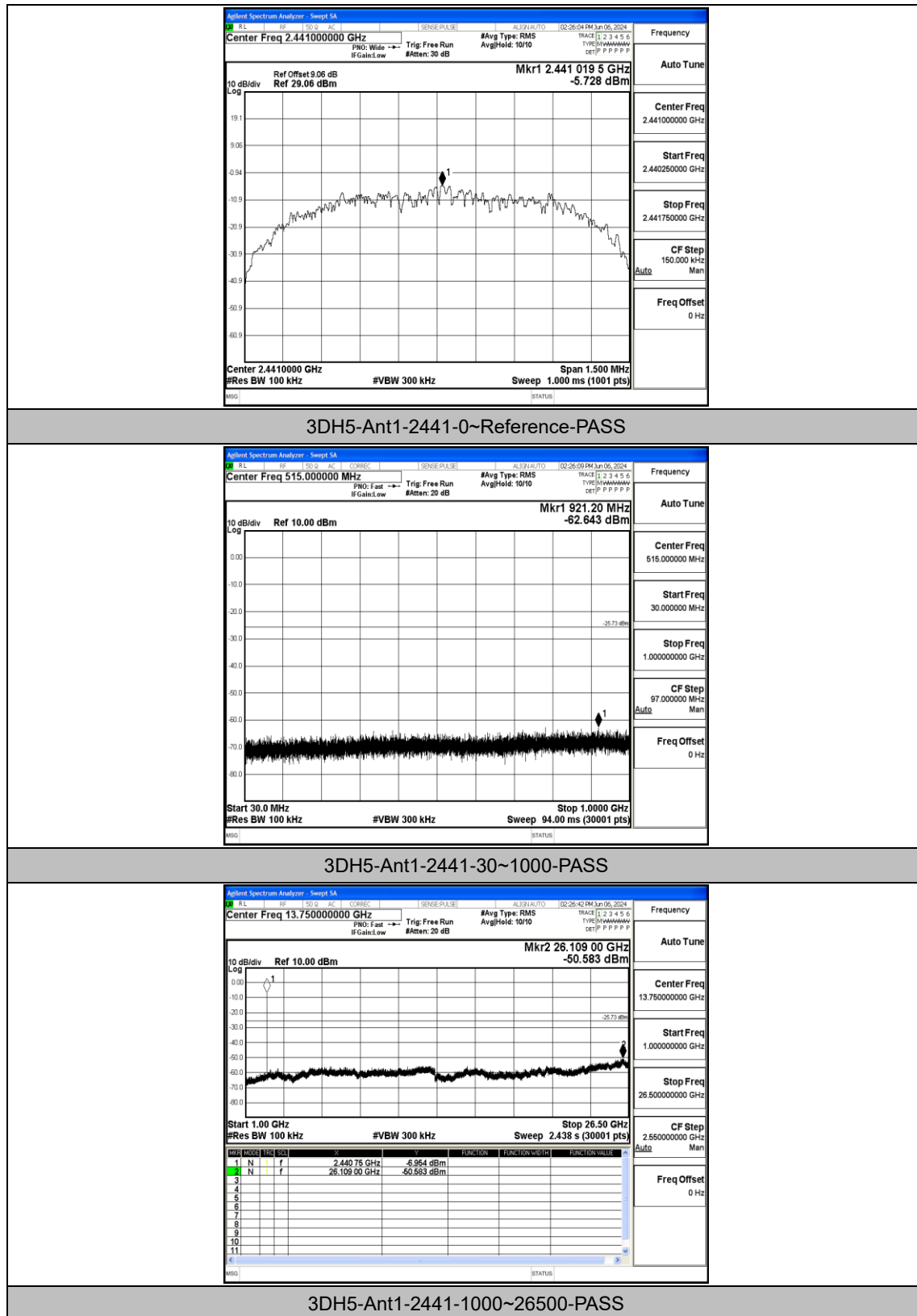
DH5-Ant1-2480-1000~26500-PASS

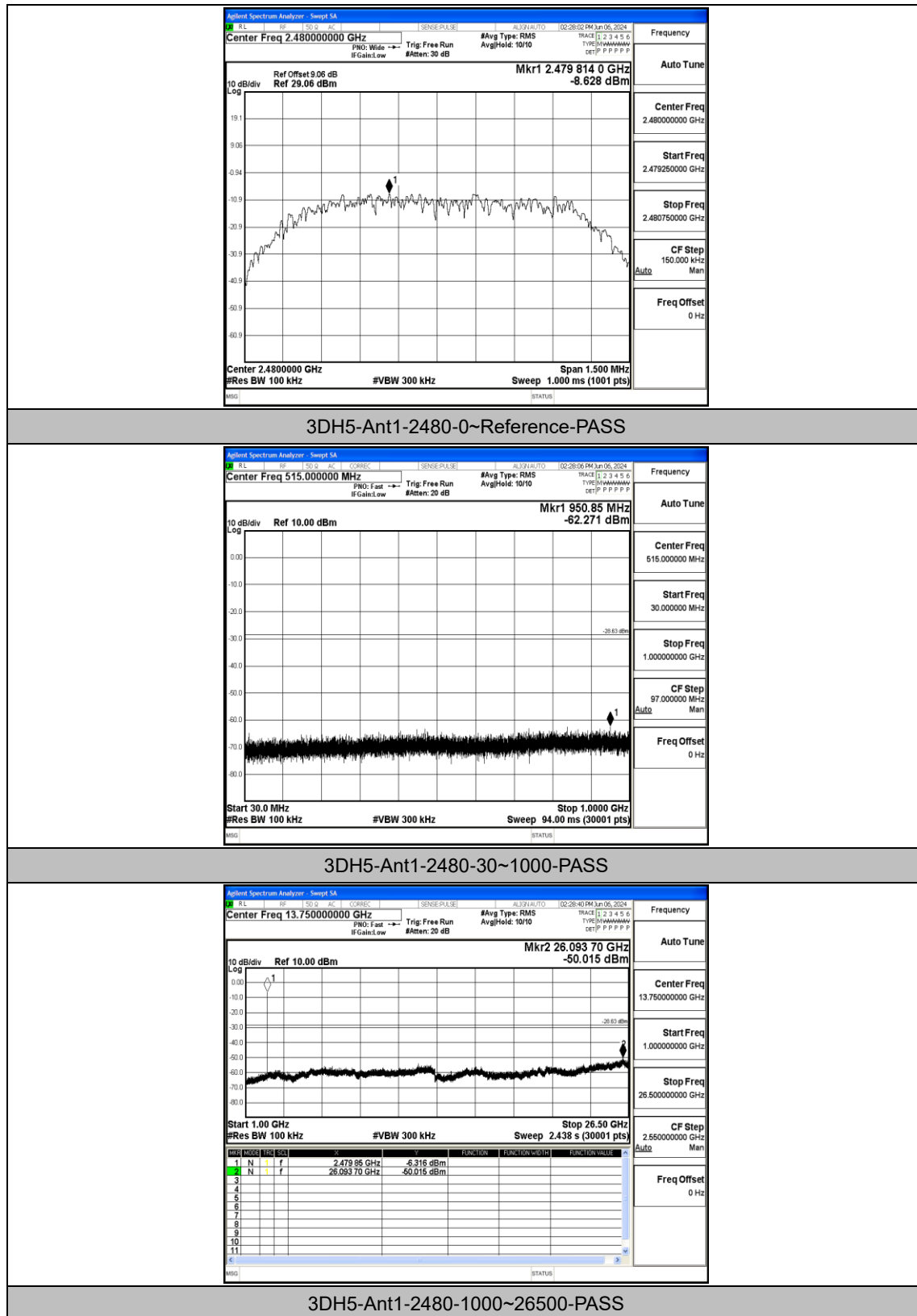












Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.73	77.21	1.12
DH5	Ant1	2441	2.88	3.74	77.01	1.13
DH5	Ant1	2480	2.88	3.72	77.42	1.11
2DH5	Ant1	2402	2.89	3.73	77.48	1.11
2DH5	Ant1	2441	2.88	3.73	77.21	1.12
2DH5	Ant1	2480	2.89	3.74	77.27	1.12
3DH5	Ant1	2402	2.89	3.73	77.48	1.11
3DH5	Ant1	2441	2.88	3.73	77.21	1.12
3DH5	Ant1	2480	2.89	3.73	77.48	1.11

Test Graphs

