

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

Product Name: Wireless helmet headset

Trade Mark: /

Test Model: G2

FCC ID: 2BOAB-G2

Environmental Conditions

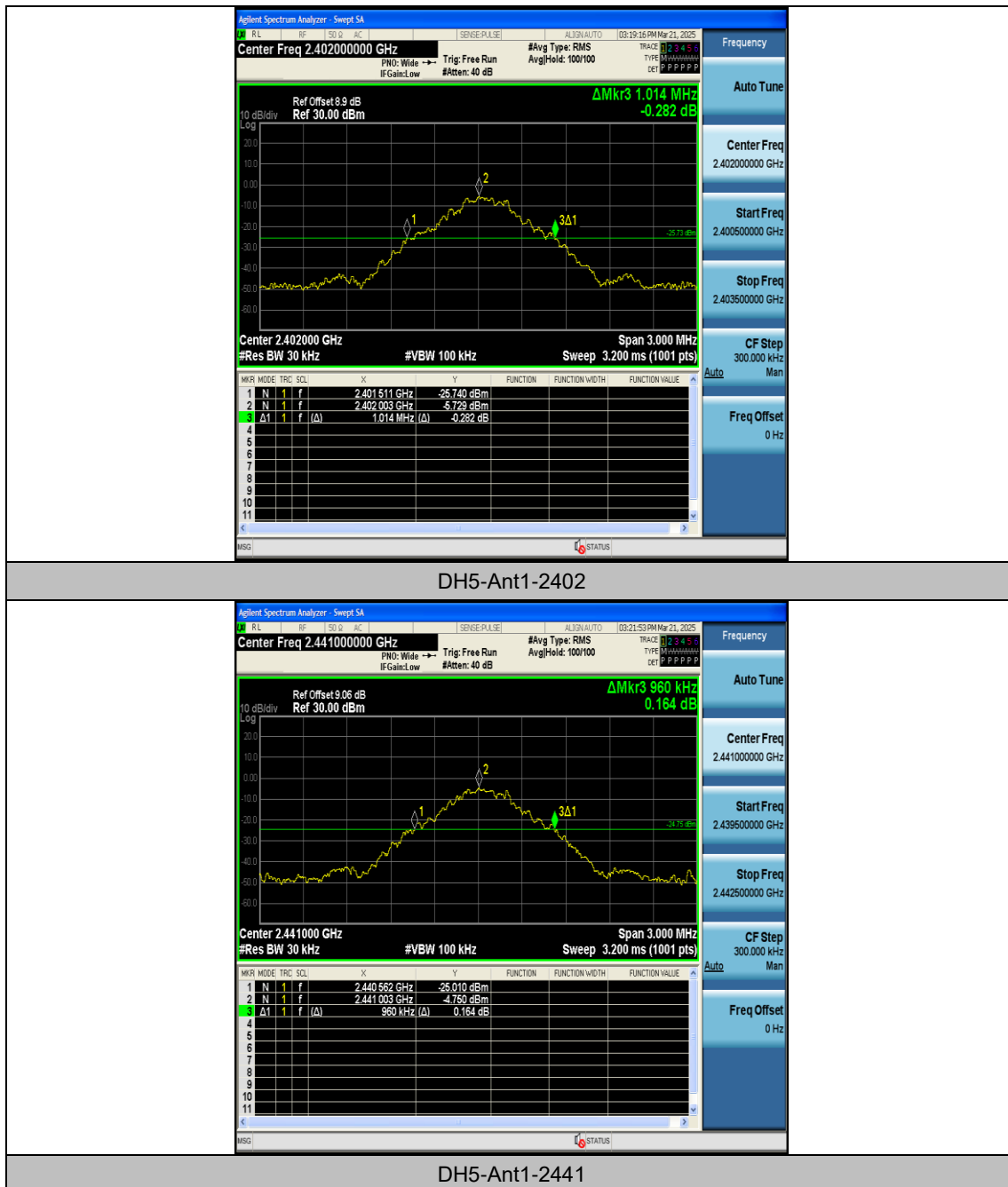
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	1.014	2401.511	2402.525	---	---
DH5	Ant1	2441	0.960	2440.562	2441.522	---	---
DH5	Ant1	2480	1.017	2479.505	2480.522	---	---
2DH5	Ant1	2402	1.290	2401.400	2402.690	---	---
2DH5	Ant1	2441	1.329	2440.367	2441.696	---	---
2DH5	Ant1	2480	1.323	2479.370	2480.693	---	---

Test Graphs





DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

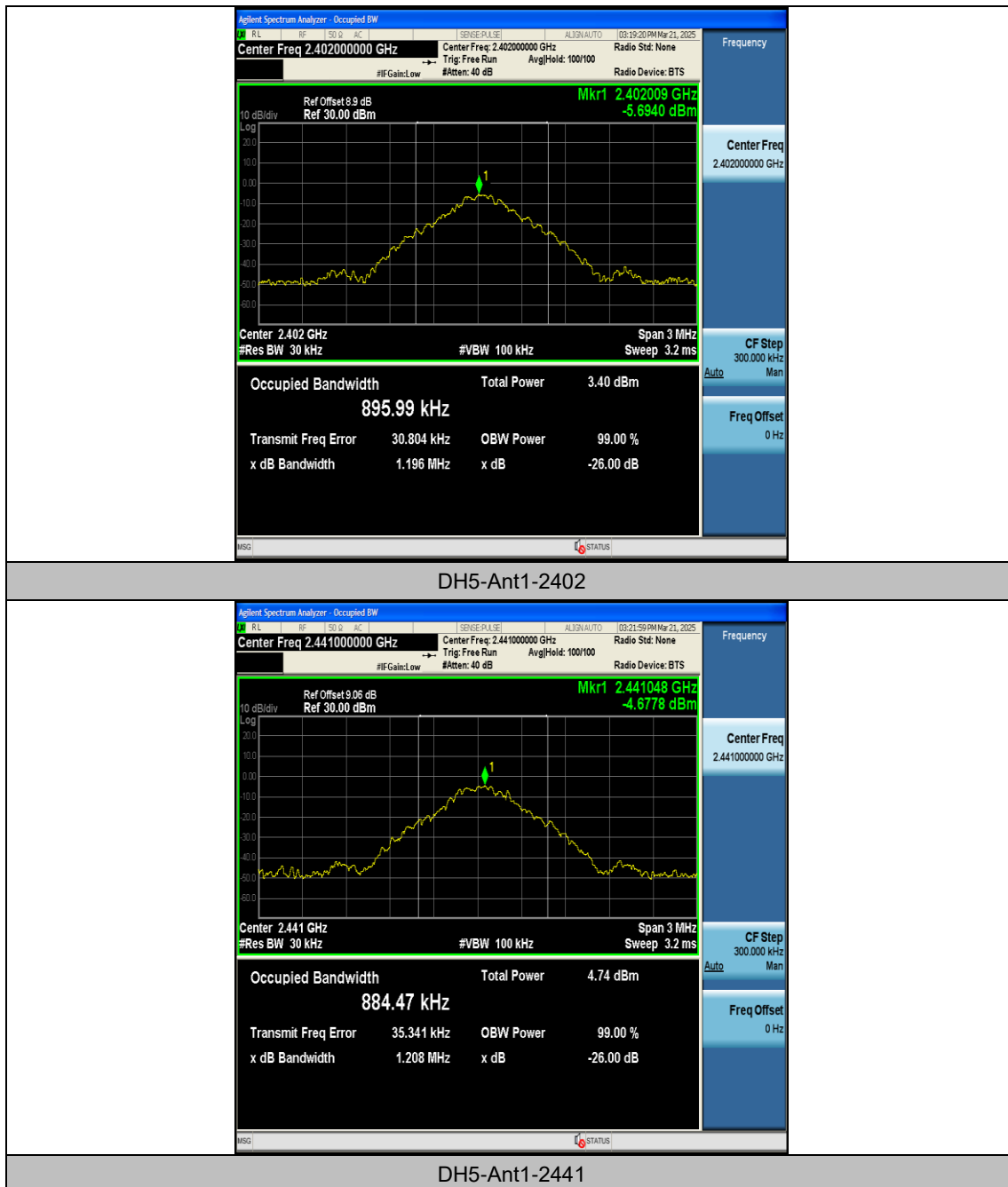


Appendix B: Occupied Channel Bandwidth

Test Result

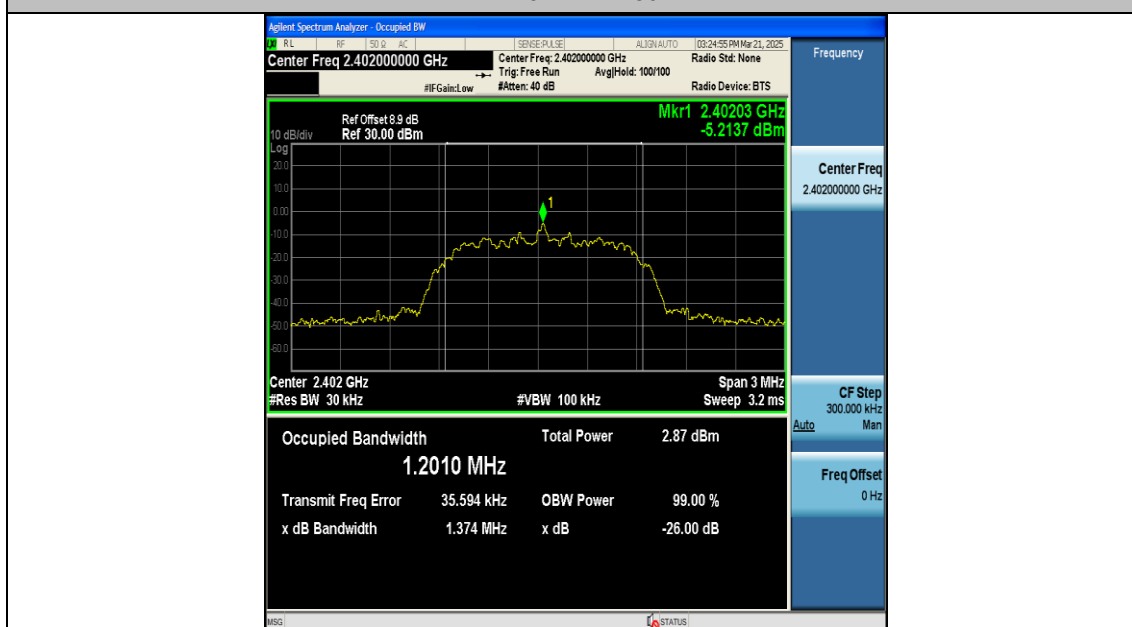
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.89599	2401.5828	2402.4788	---	---
DH5	Ant1	2441	0.88447	2440.5931	2441.4776	---	---
DH5	Ant1	2480	0.88589	2479.5936	2480.4795	---	---
2DH5	Ant1	2402	1.2010	2401.4351	2402.6361	---	---
2DH5	Ant1	2441	1.1878	2440.4400	2441.6278	---	---
2DH5	Ant1	2480	1.1963	2479.4378	2480.6341	---	---

Test Graphs

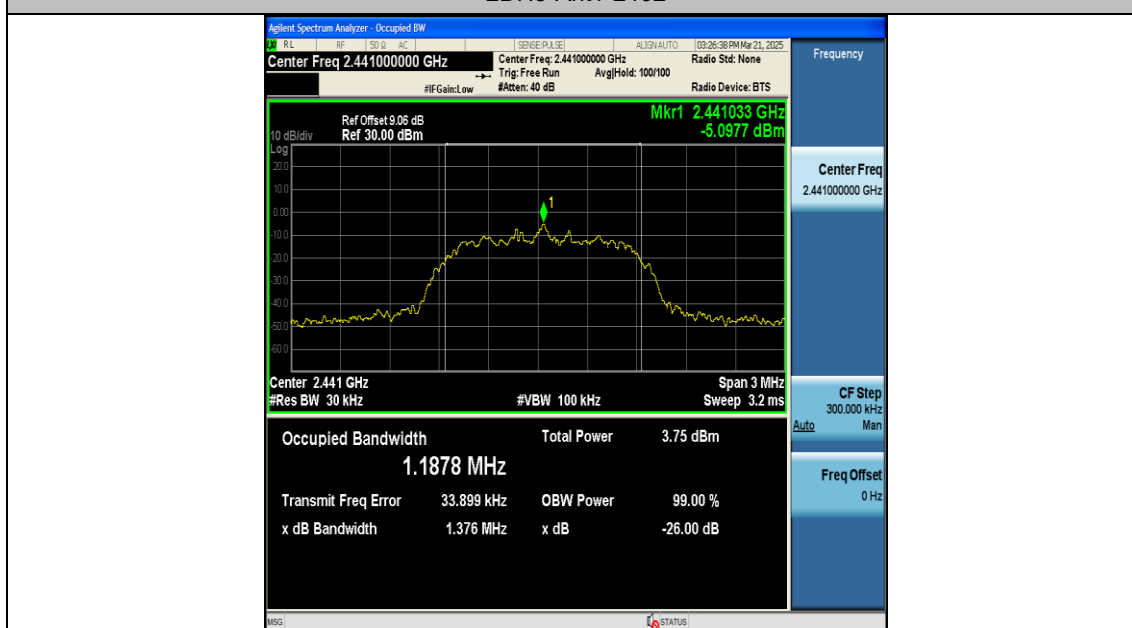




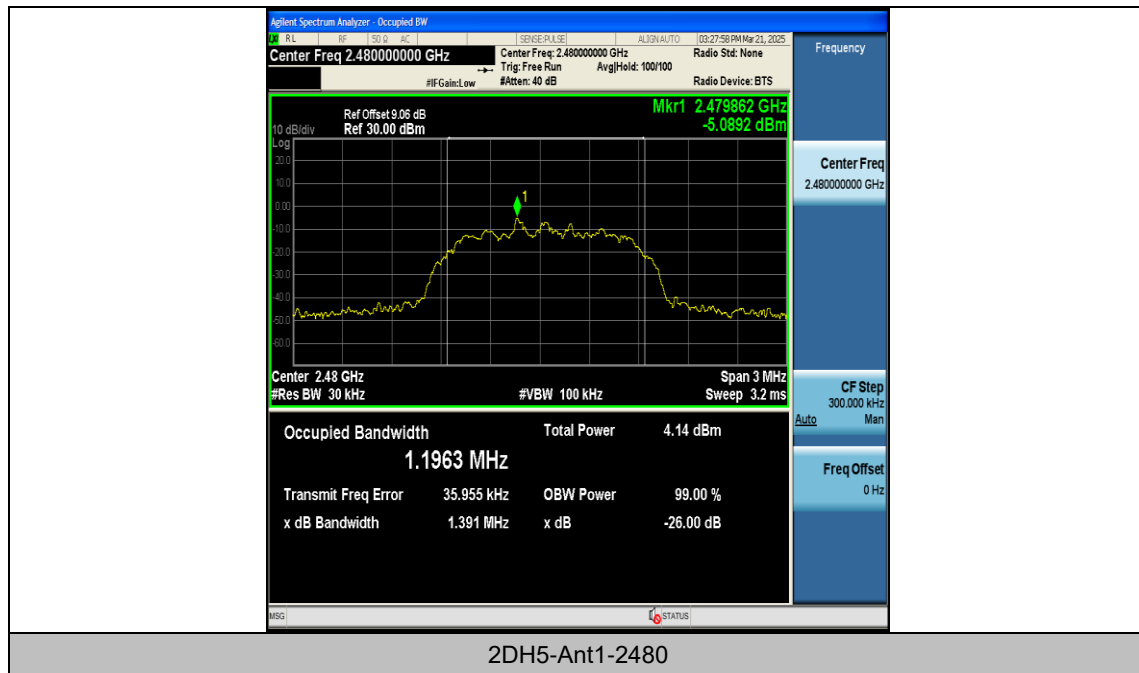
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

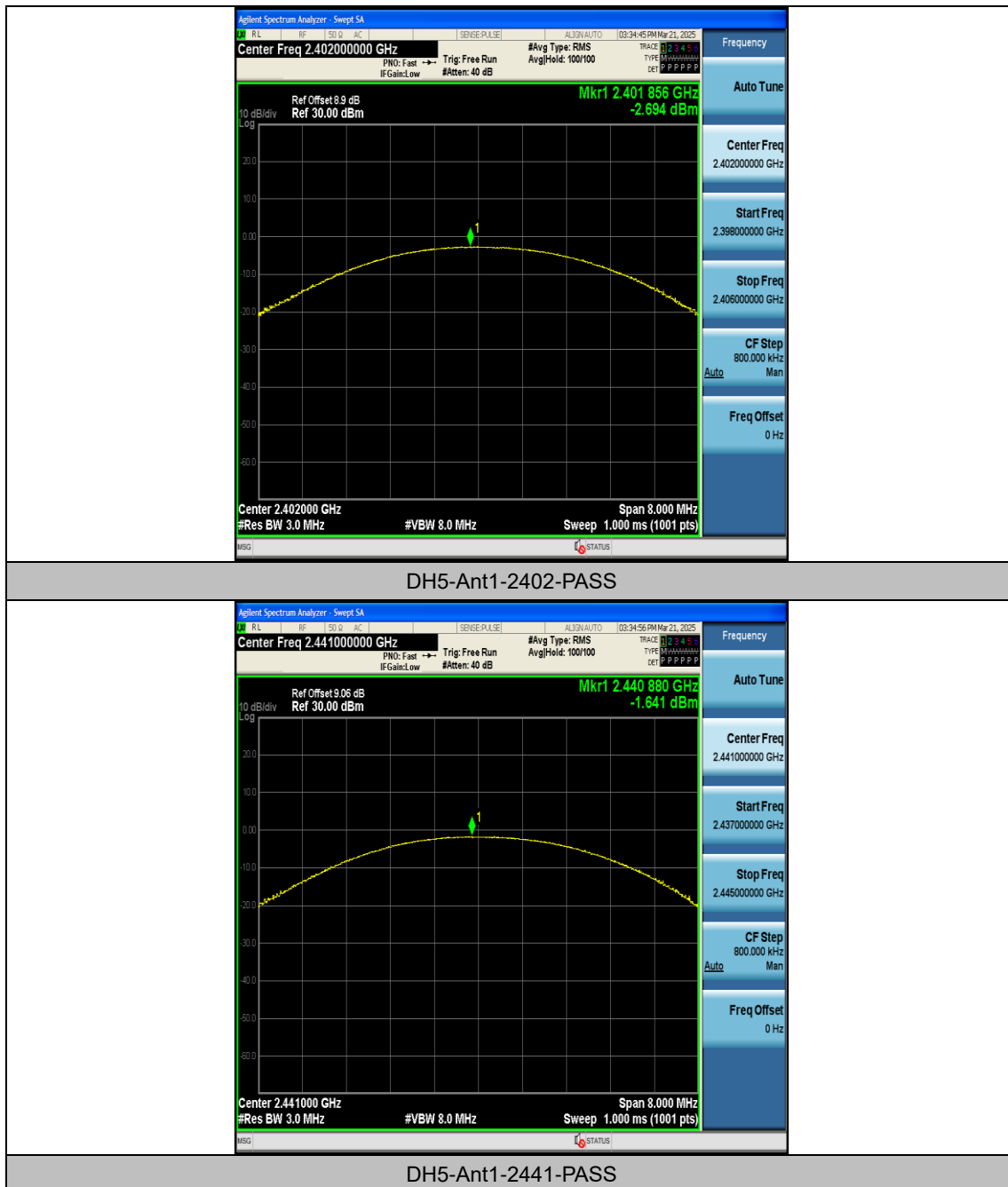


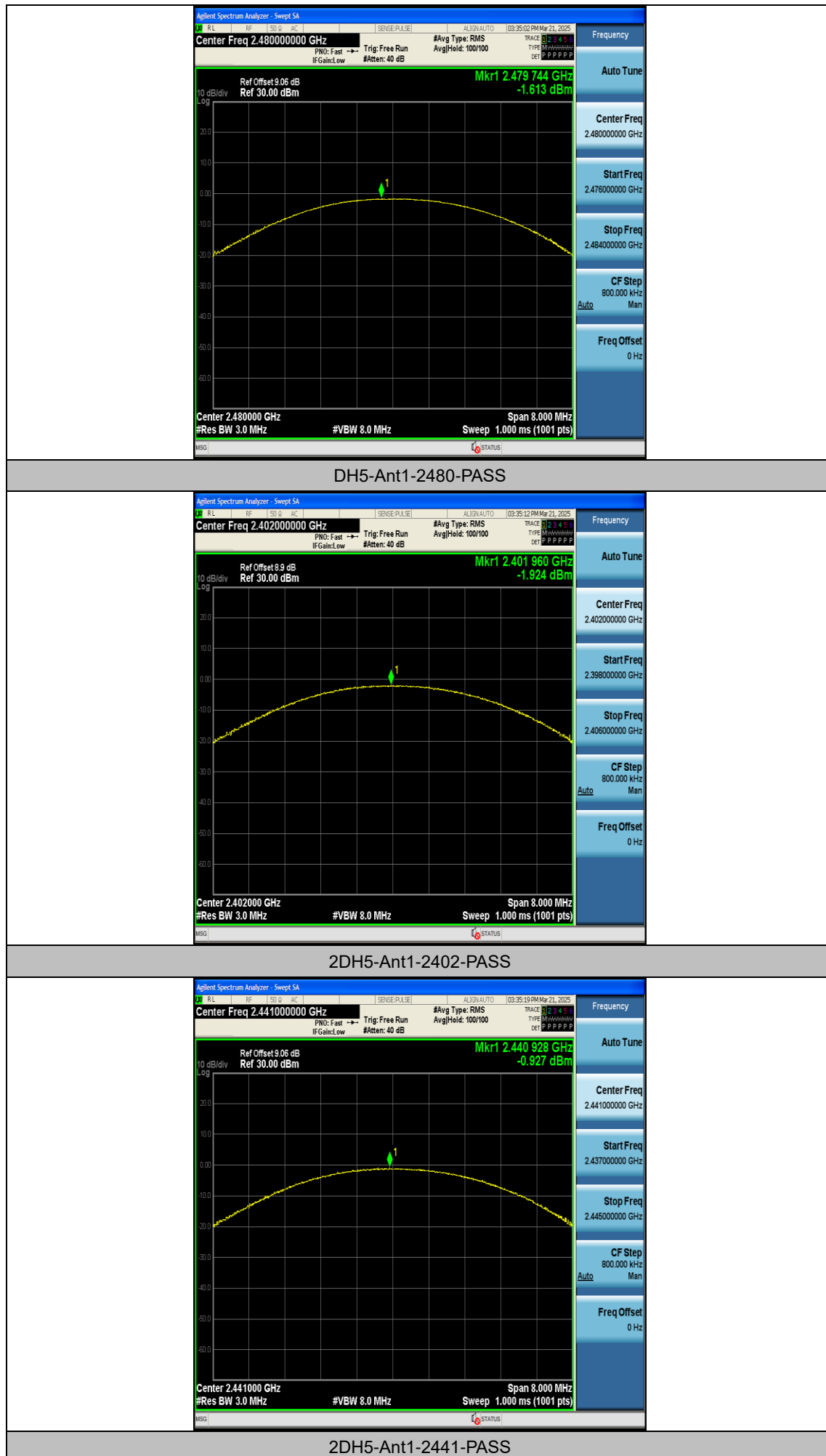
Appendix C: Maximum peak conducted output power

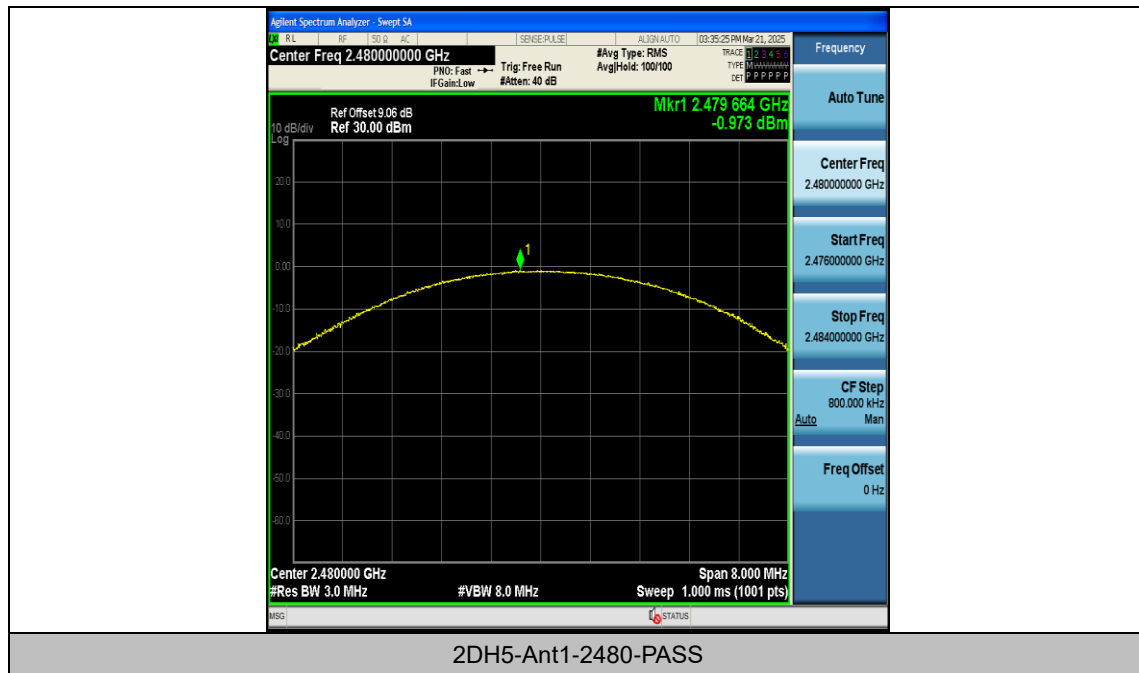
Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-2.69	≤20.97	PASS
DH5	Ant1	2441	-1.64	≤20.97	PASS
DH5	Ant1	2480	-1.61	≤20.97	PASS
2DH5	Ant1	2402	-1.92	≤20.97	PASS
2DH5	Ant1	2441	-0.93	≤20.97	PASS
2DH5	Ant1	2480	-0.97	≤20.97	PASS

Test Graphs





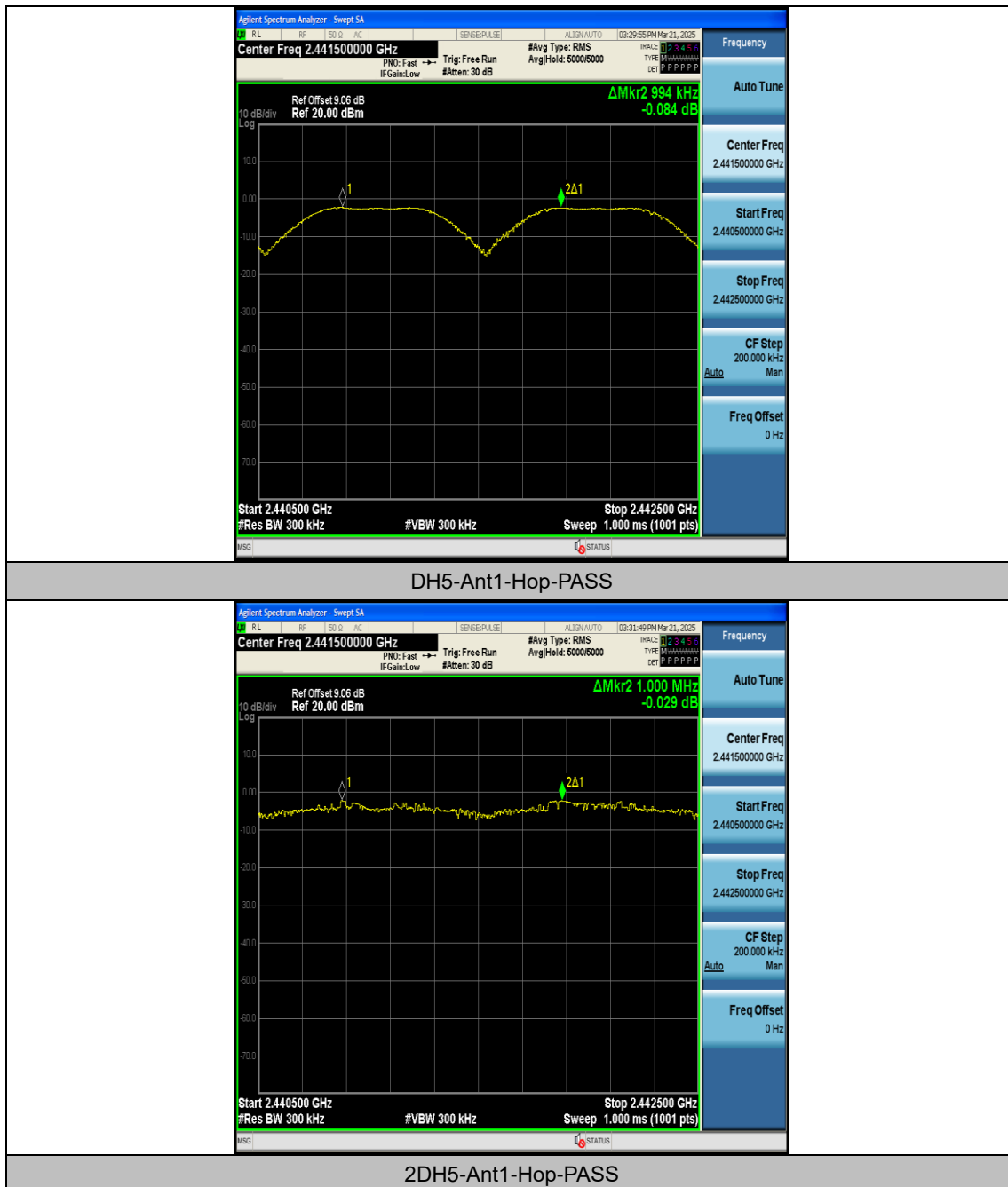


Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.994	≥ 0.678	PASS
2DH5	Ant1	Hop	1	≥ 0.886	PASS

Test Graphs

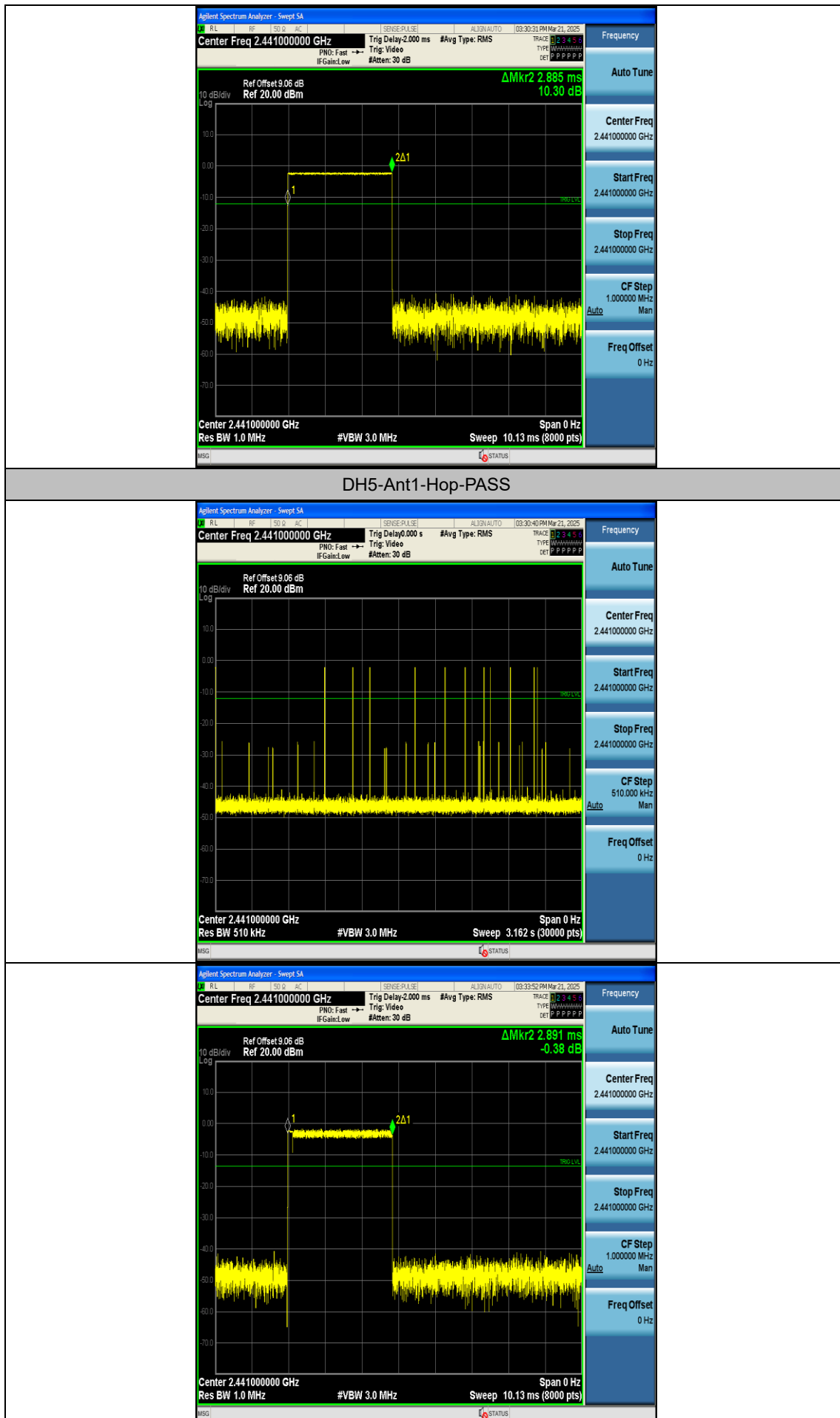


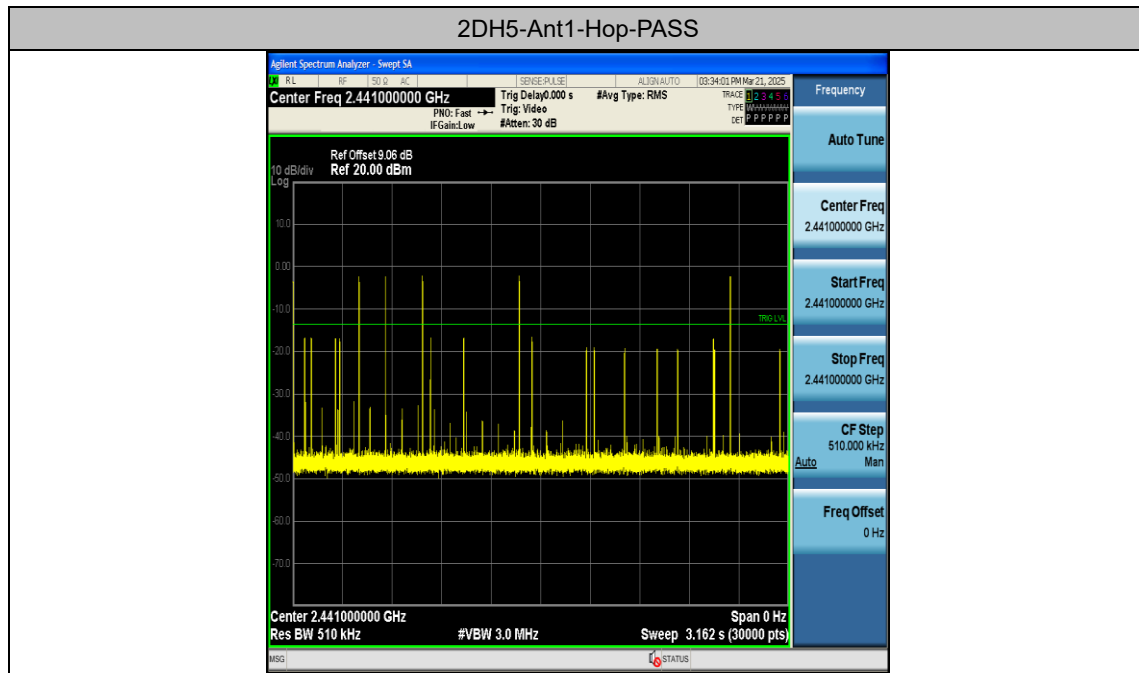
Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	120	0.346	≤0.4	PASS
2DH5	Ant1	Hop	2.891	60	0.173	≤0.4	PASS

Test Graphs



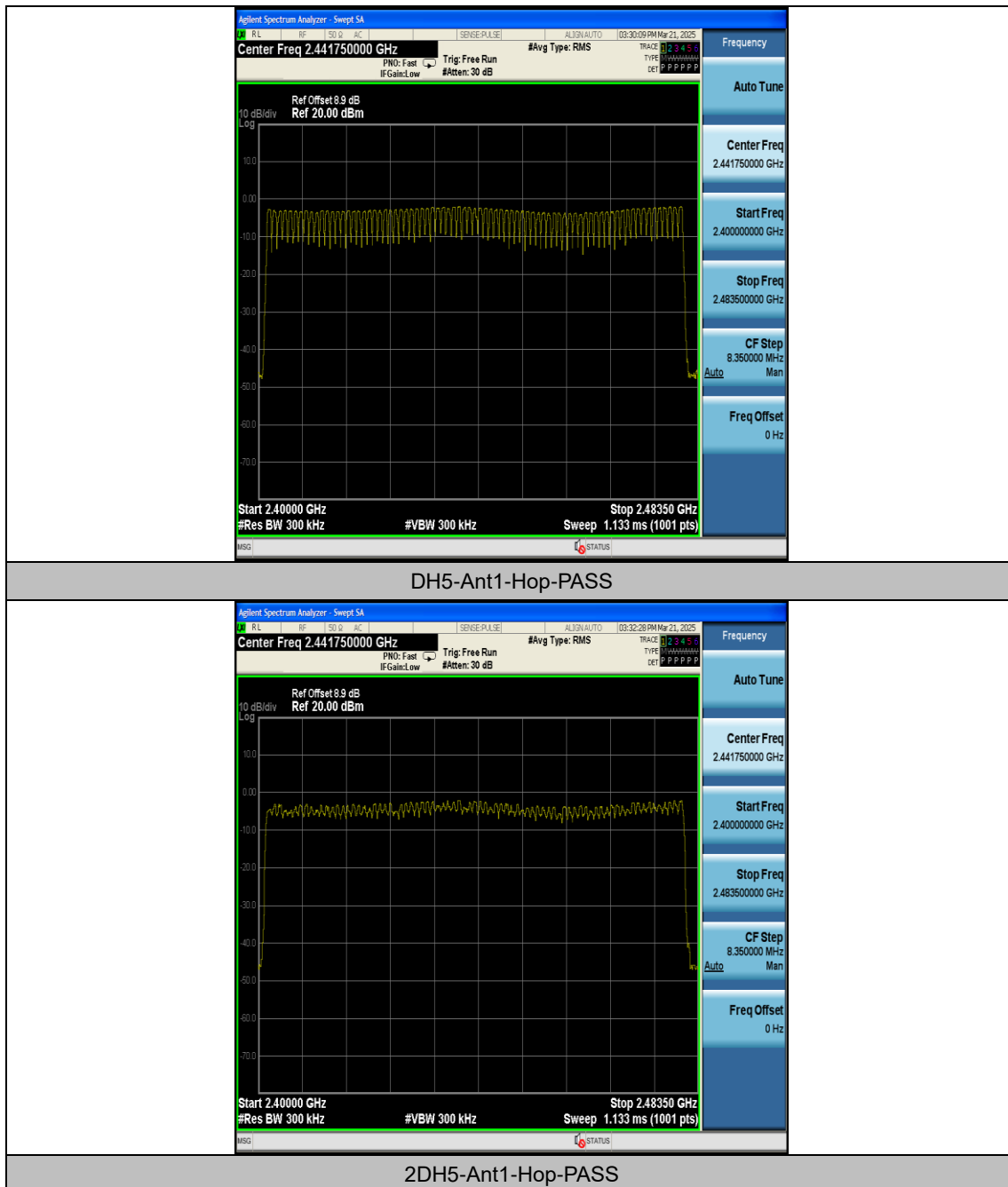


Appendix F: Number of hopping channels

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

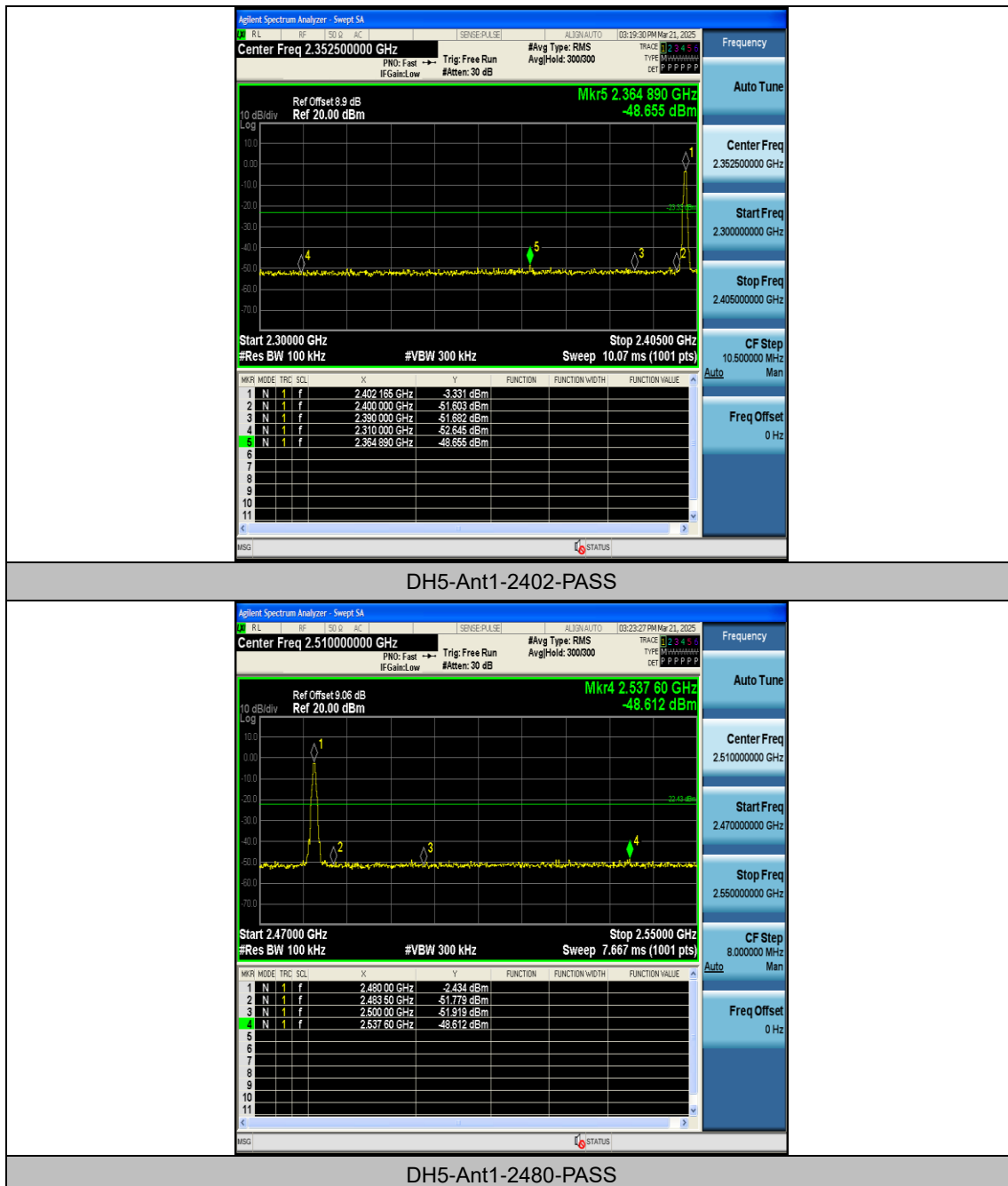


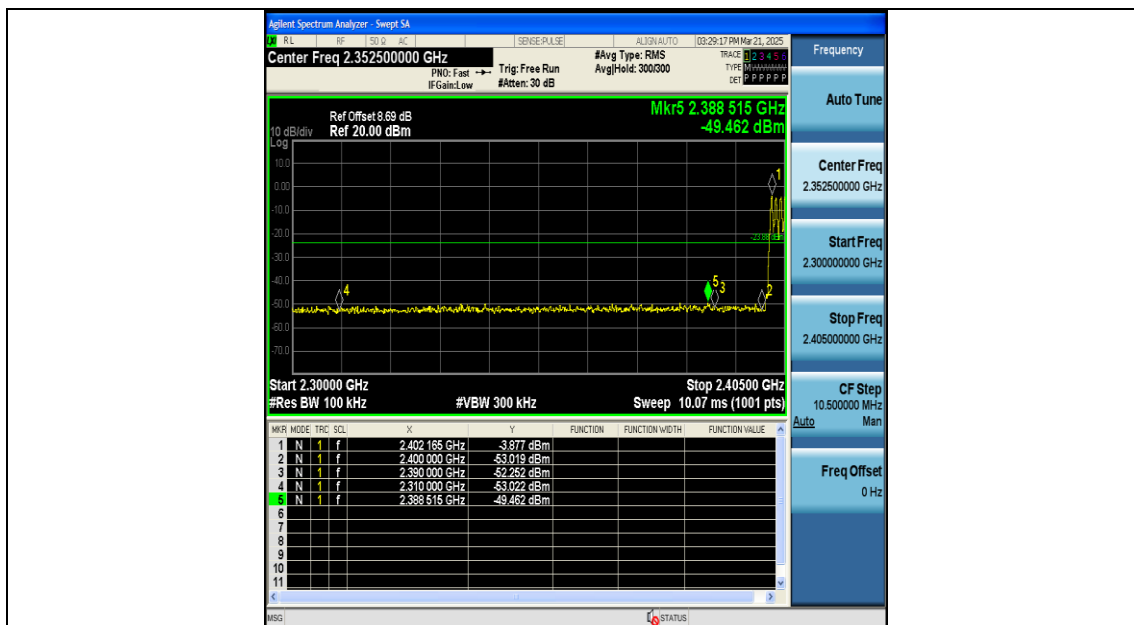
Appendix G: Band edge measurements

Test Result

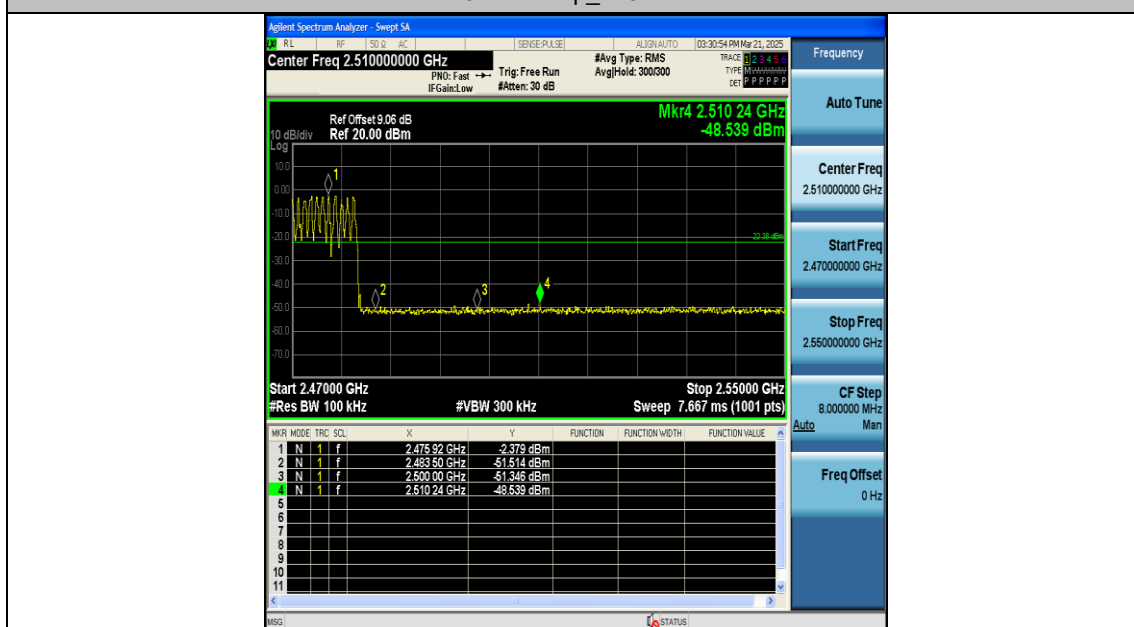
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.33	-48.66	≤ -23.33	PASS
DH5	Ant1	High	2480	-2.43	-48.61	≤ -22.43	PASS
DH5	Ant1	Low	Hop_2402	-3.88	-49.46	≤ -23.88	PASS
DH5	Ant1	High	Hop_2480	-2.38	-48.54	≤ -22.38	PASS
2DH5	Ant1	Low	2402	-3.42	-49.46	≤ -23.42	PASS
2DH5	Ant1	High	2480	-2.11	-48.4	≤ -22.11	PASS
2DH5	Ant1	Low	Hop_2402	-7.16	-49.68	≤ -27.16	PASS
2DH5	Ant1	High	Hop_2480	-5.33	-48.15	≤ -25.33	PASS

Test Graphs

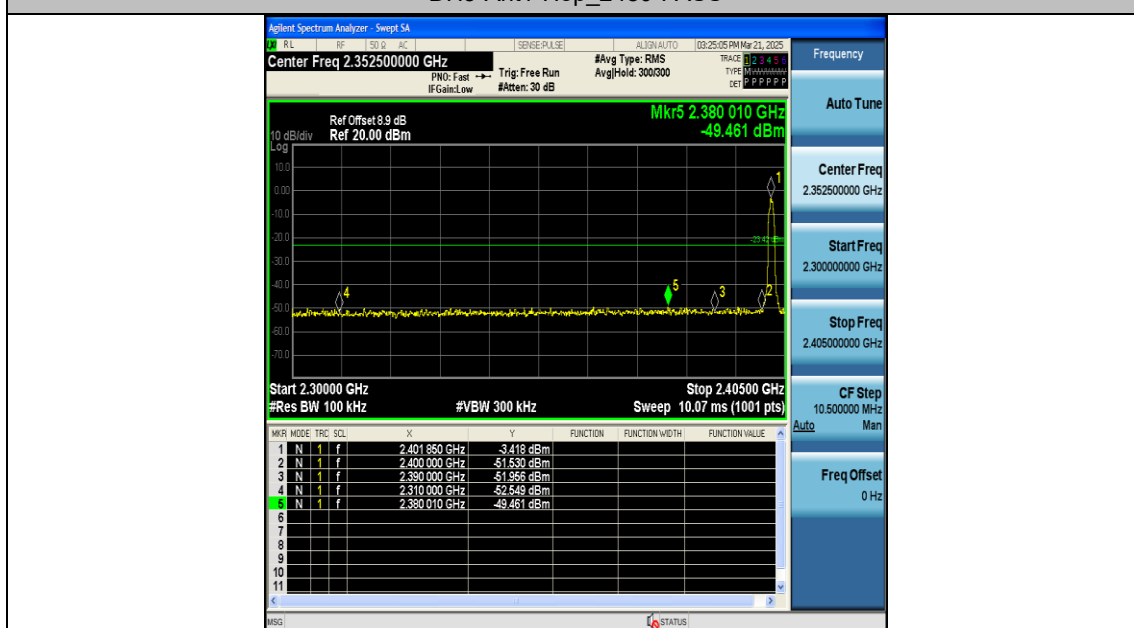




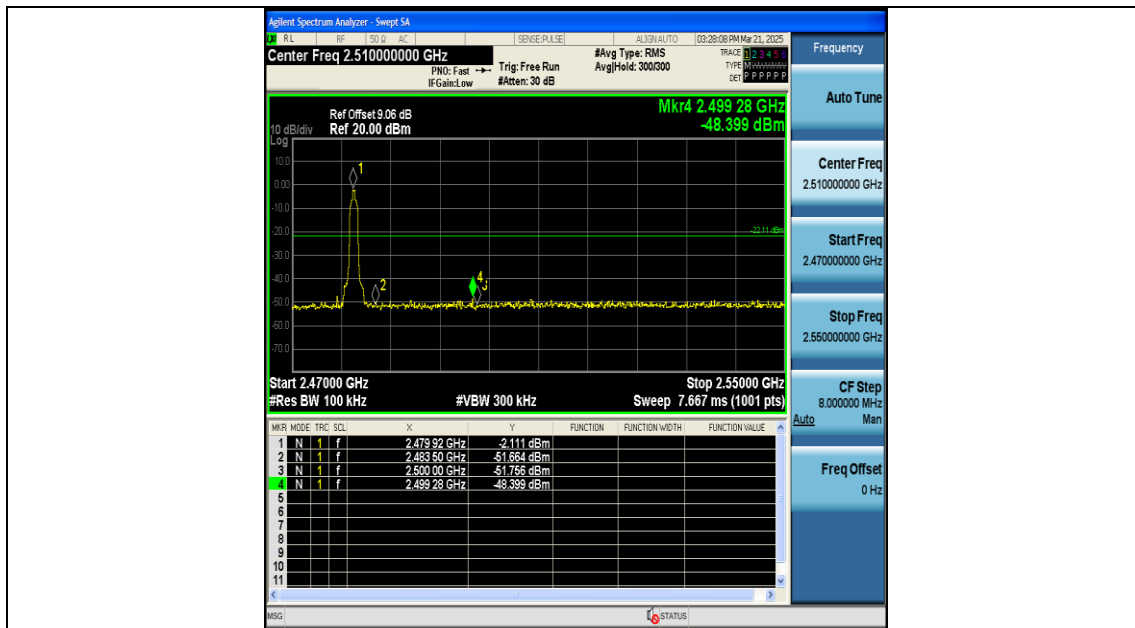
DH5-Ant1-Hop_2402-PASS



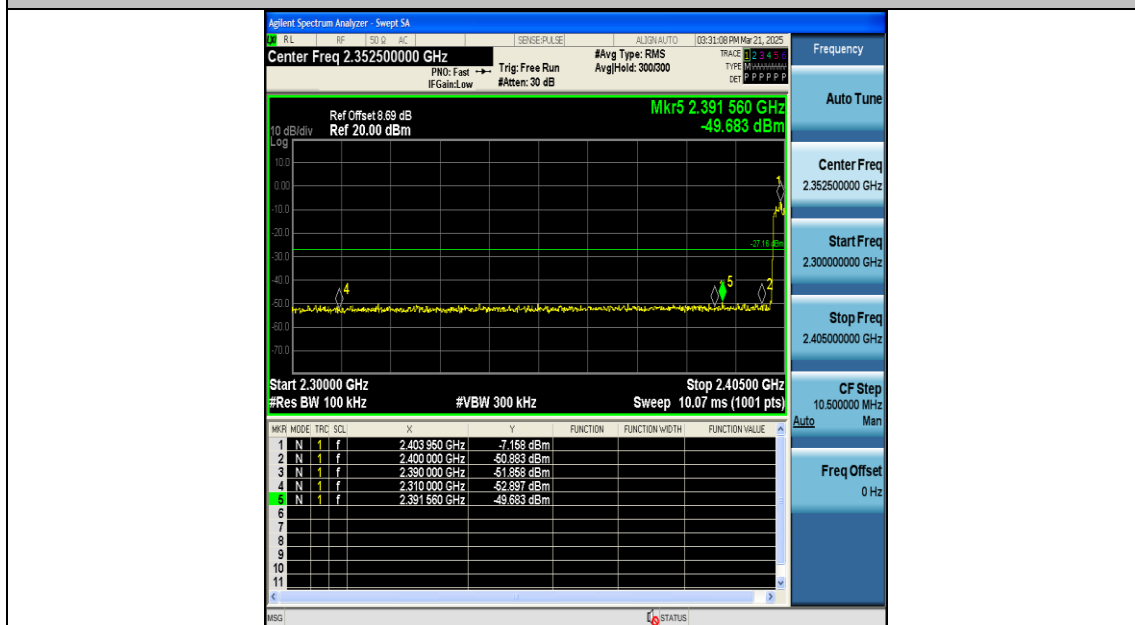
DH5-Ant1-Hop_2480-PASS



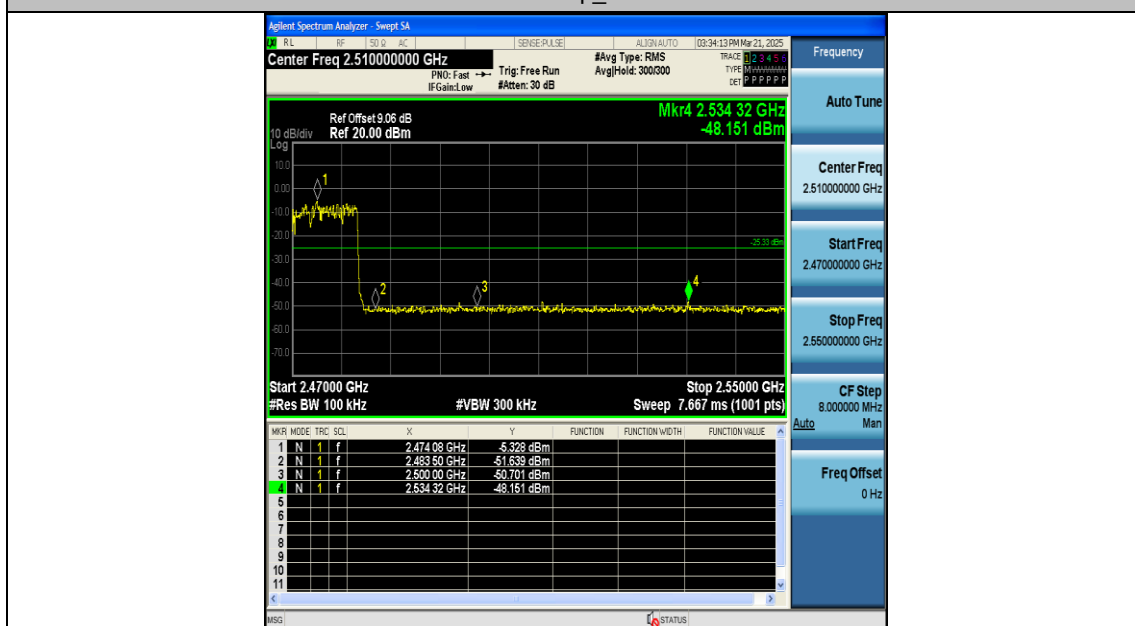
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



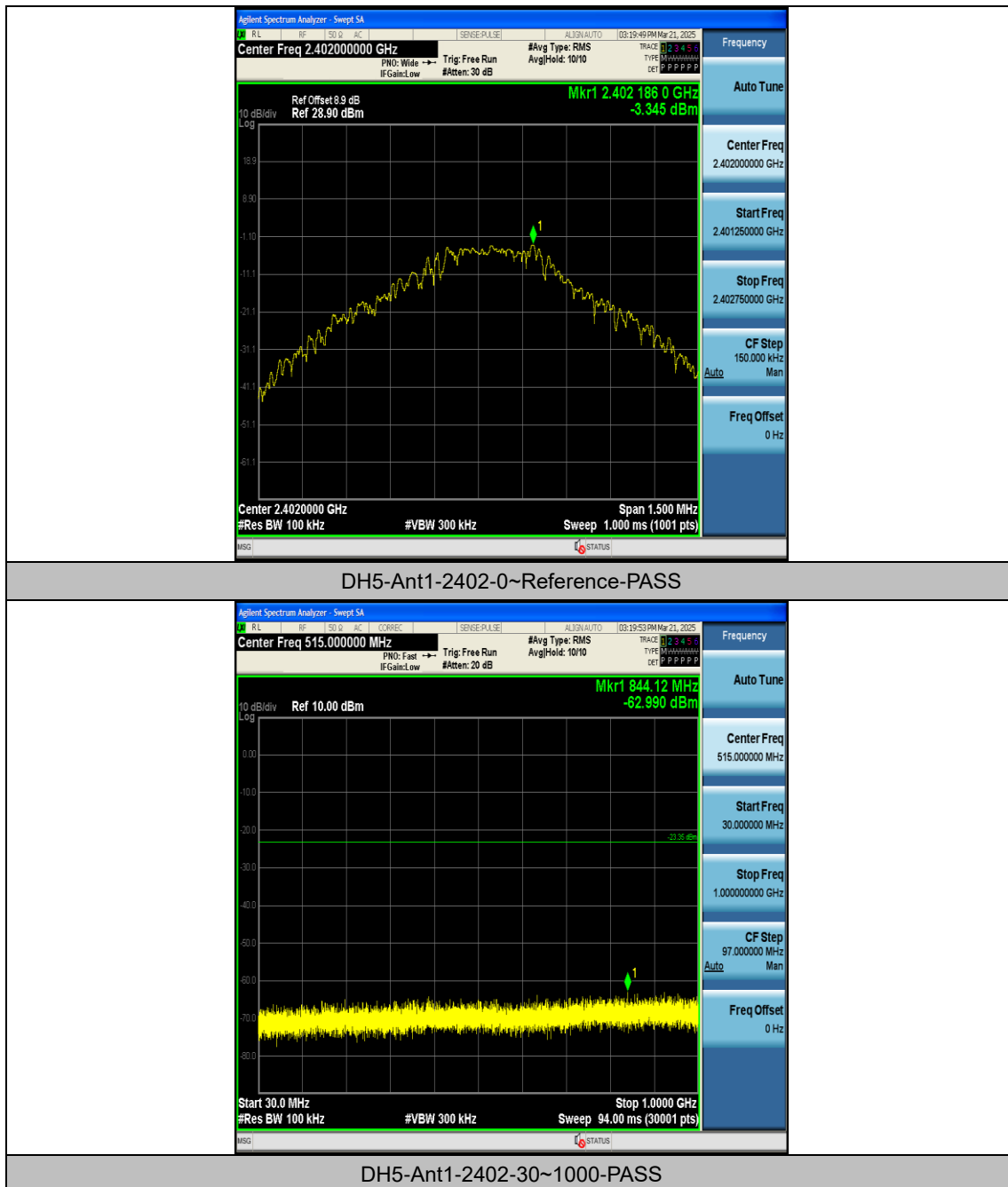
2DH5-Ant1-Hop_2480-PASS

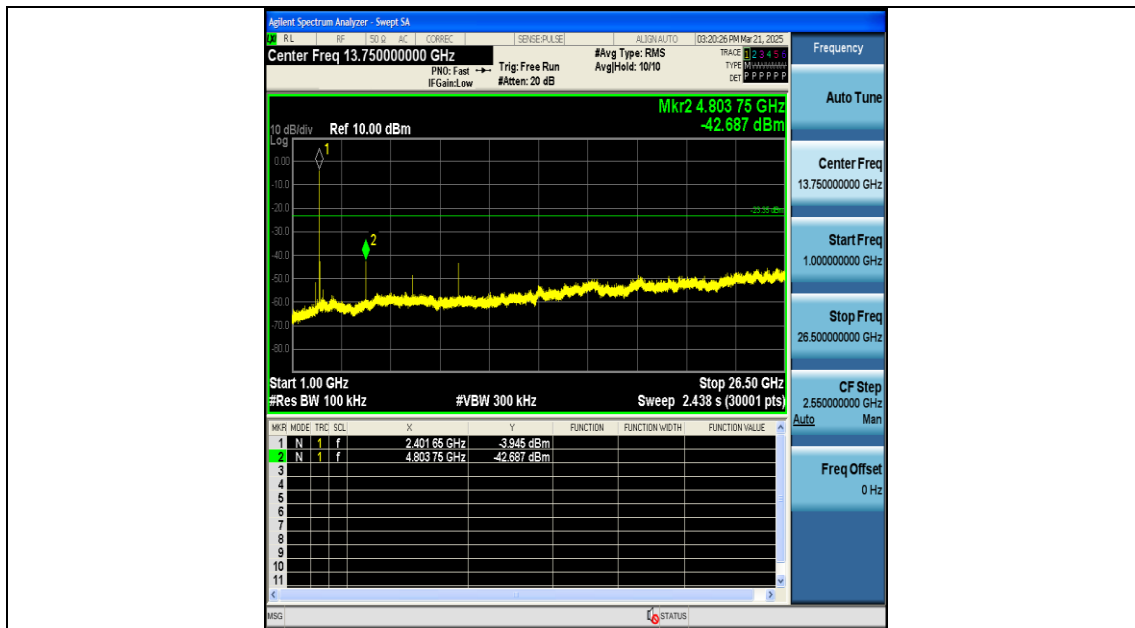
Appendix H: Conducted Spurious Emission

Test Result

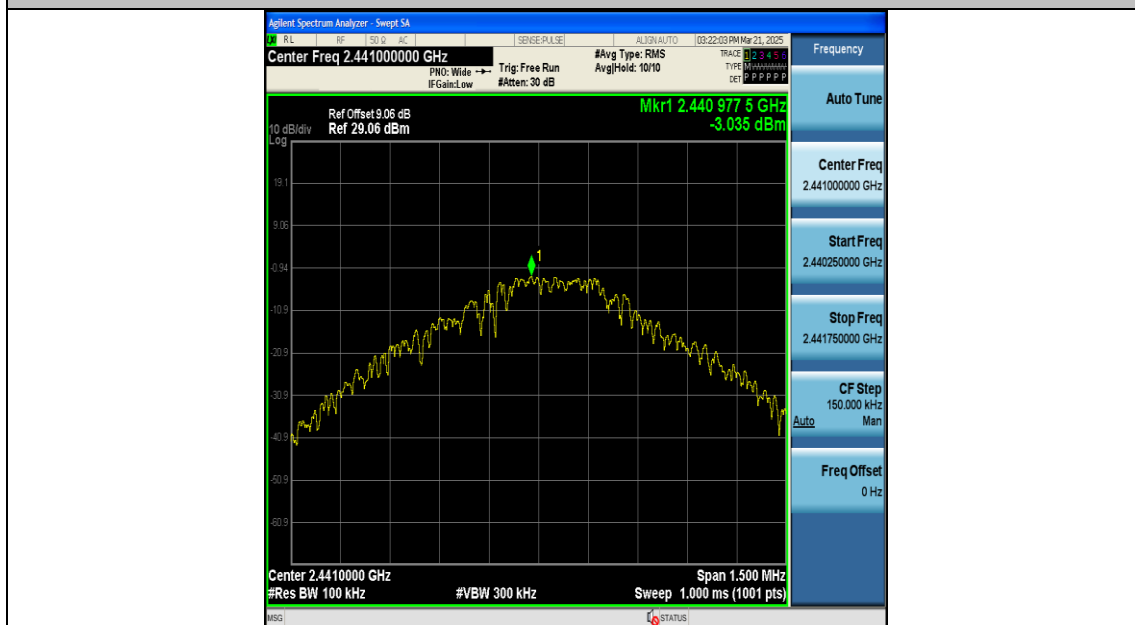
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.35	-3.35	---	PASS
DH5	Ant1	2402	30~1000	-3.35	-62.99	≤-23.35	PASS
DH5	Ant1	2402	1000~26500	-3.35	-42.69	≤-23.35	PASS
DH5	Ant1	2441	0~Reference	-3.04	-3.04	---	PASS
DH5	Ant1	2441	30~1000	-3.04	-62.8	≤-23.04	PASS
DH5	Ant1	2441	1000~26500	-3.04	-40.35	≤-23.04	PASS
DH5	Ant1	2480	0~Reference	-2.74	-2.74	---	PASS
DH5	Ant1	2480	30~1000	-2.74	-63.12	≤-22.74	PASS
DH5	Ant1	2480	1000~26500	-2.74	-43.82	≤-22.74	PASS
2DH5	Ant1	2402	0~Reference	-5.08	-5.08	---	PASS
2DH5	Ant1	2402	30~1000	-5.08	-63.13	≤-25.08	PASS
2DH5	Ant1	2402	1000~26500	-5.08	-43.99	≤-25.08	PASS
2DH5	Ant1	2441	0~Reference	-6.47	-6.47	---	PASS
2DH5	Ant1	2441	30~1000	-6.47	-63.31	≤-26.47	PASS
2DH5	Ant1	2441	1000~26500	-6.47	-41.36	≤-26.47	PASS
2DH5	Ant1	2480	0~Reference	-6.31	-6.31	---	PASS
2DH5	Ant1	2480	30~1000	-6.31	-62.07	≤-26.31	PASS
2DH5	Ant1	2480	1000~26500	-6.31	-43.63	≤-26.31	PASS

Test Graphs

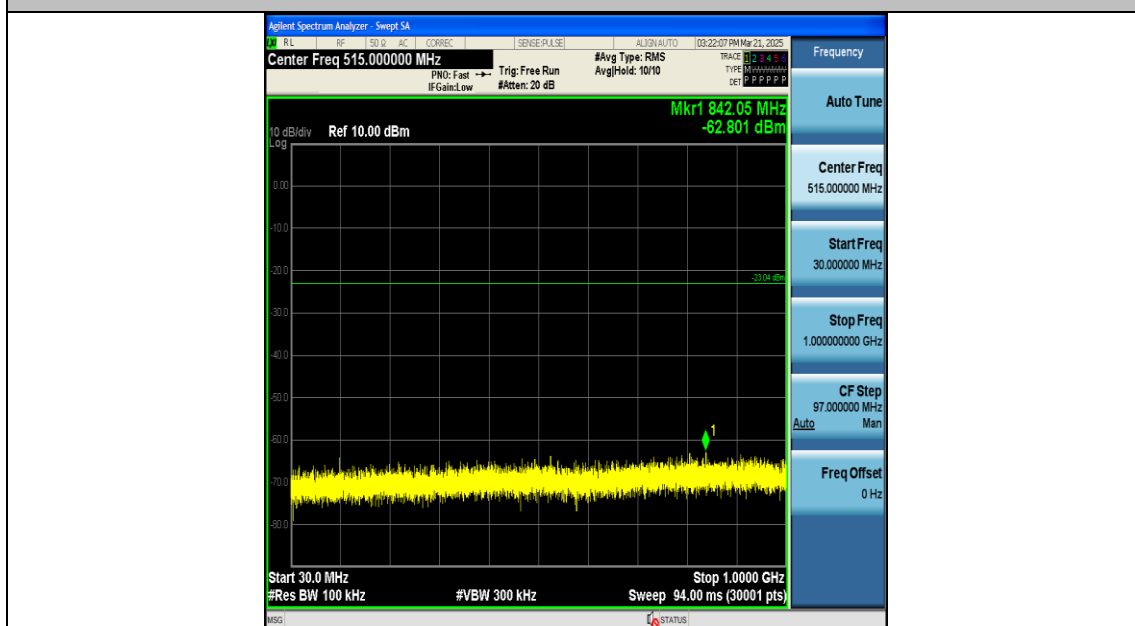




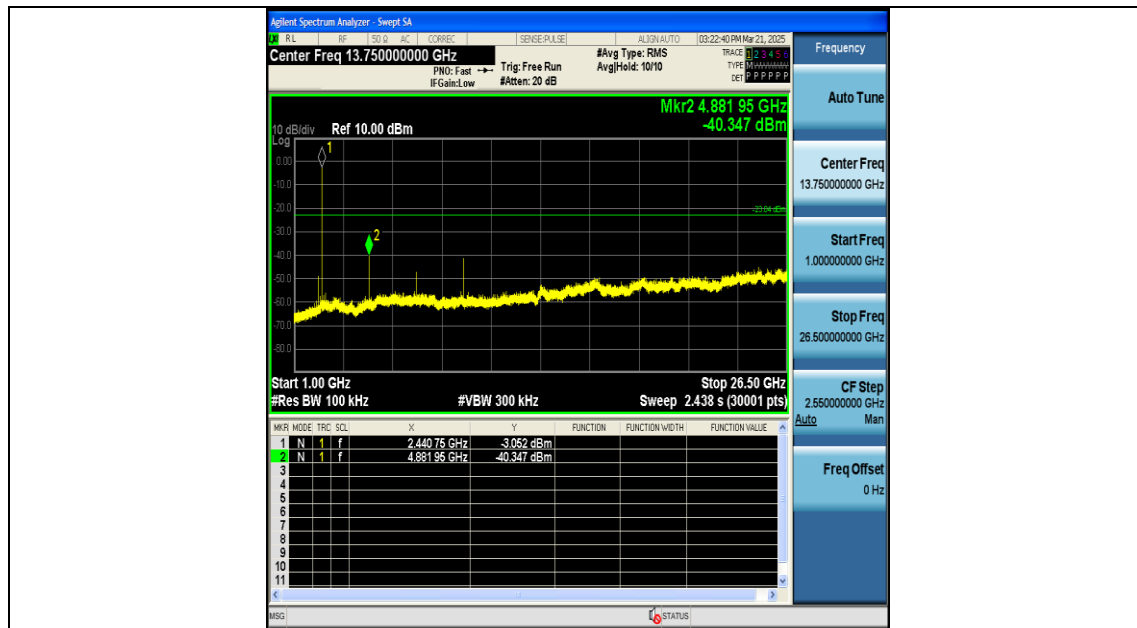
DH5-Ant1-2402-1000~26500-PASS



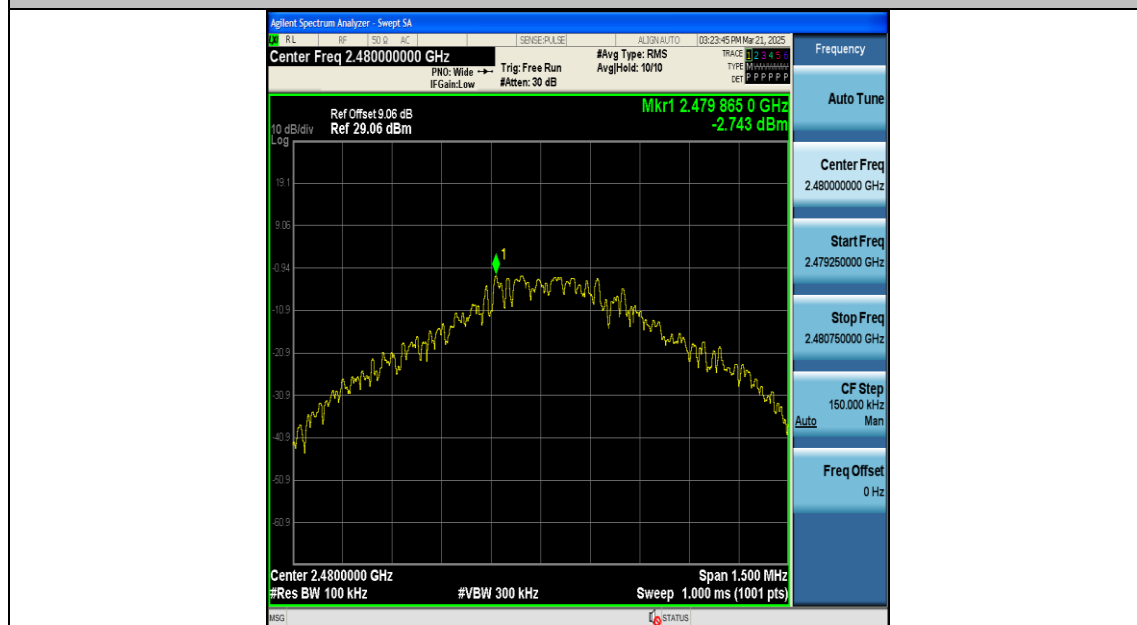
DH5-Ant1-2441-0~Reference-PASS



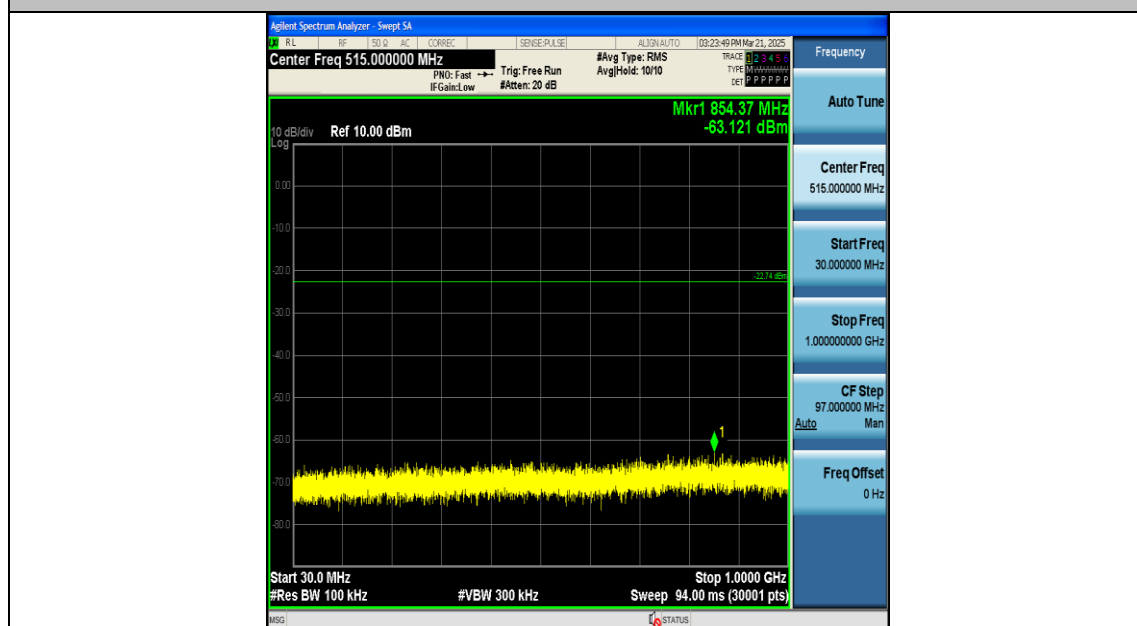
DH5-Ant1-2441-30~1000-PASS



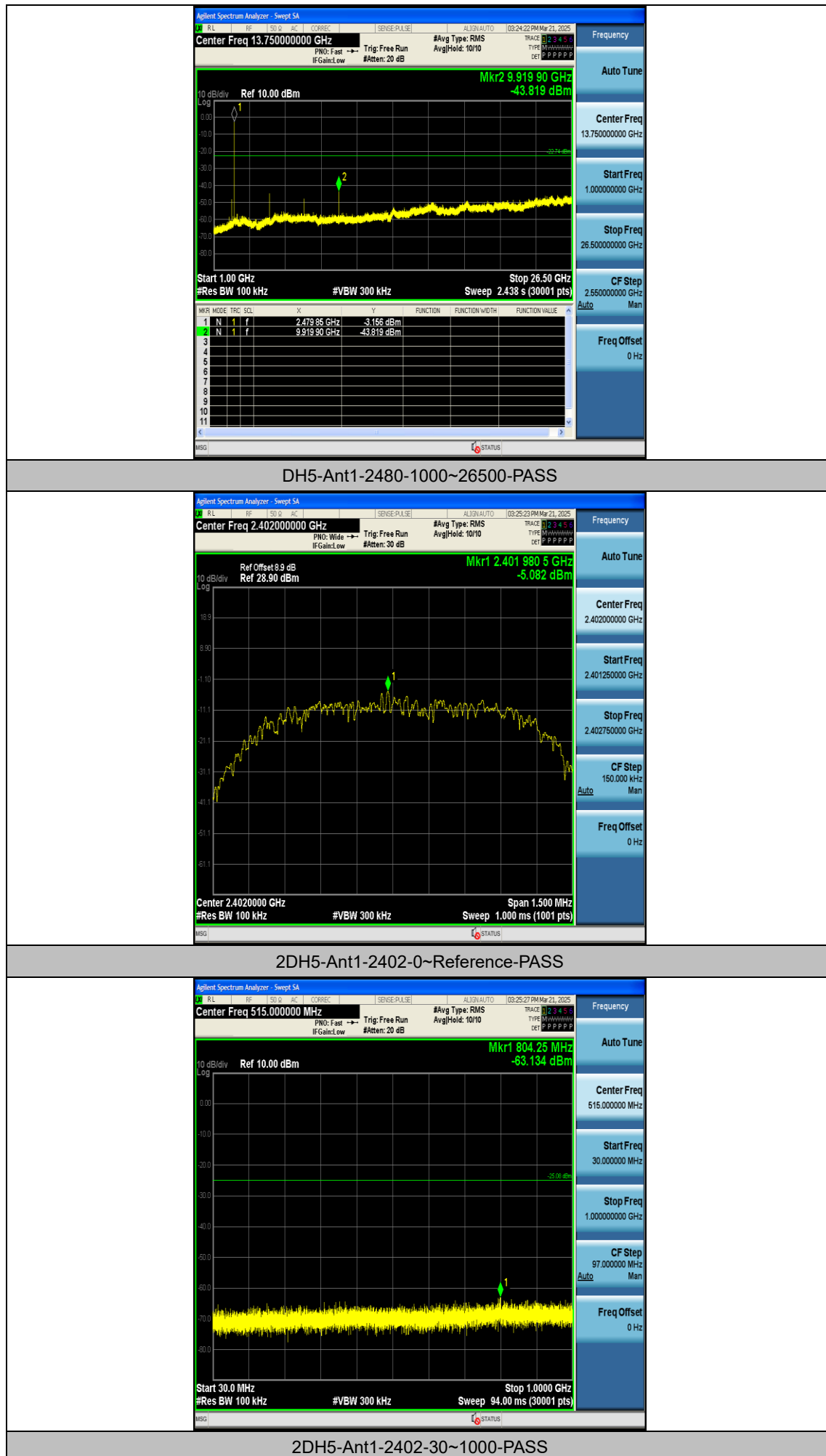
DH5-Ant1-2441-1000~26500-PASS

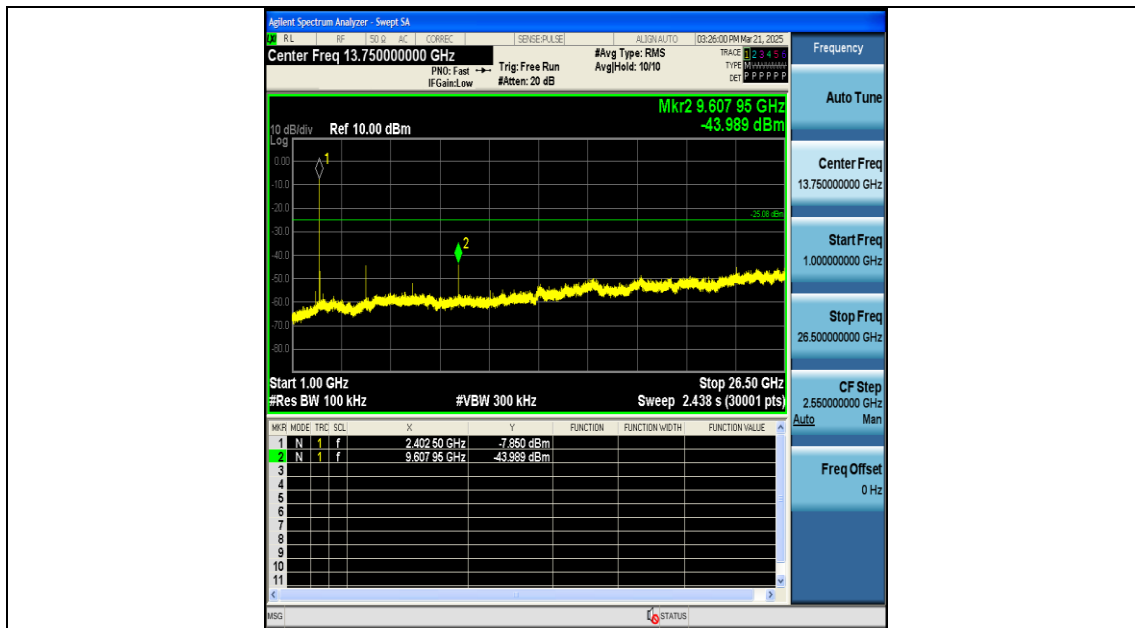


DH5-Ant1-2480-0~Reference-PASS

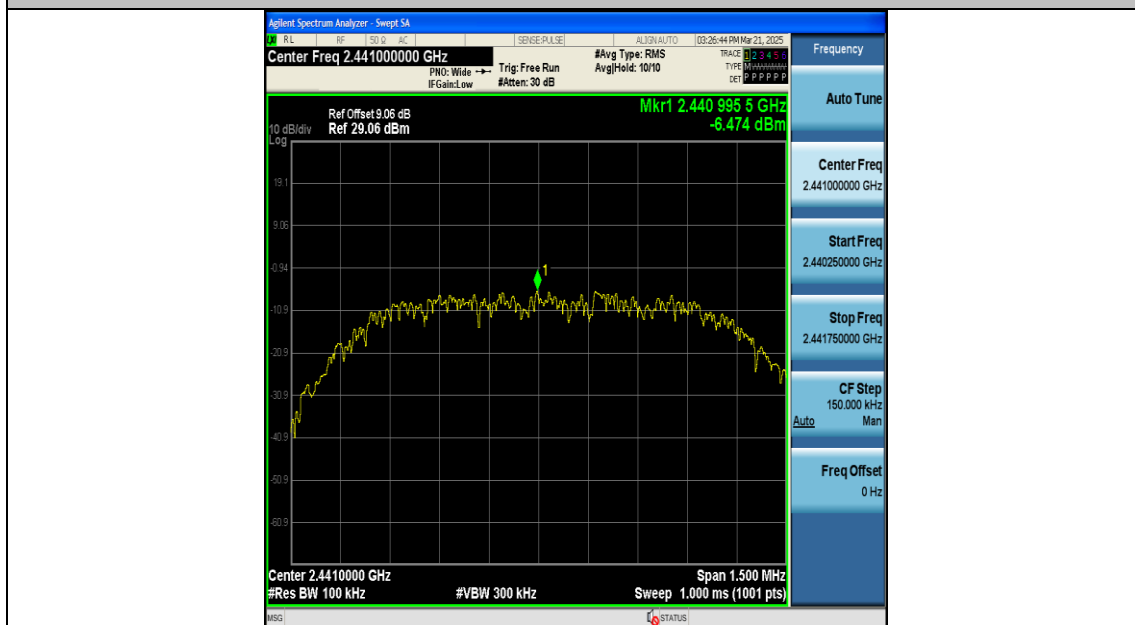


DH5-Ant1-2480-30~1000-PASS

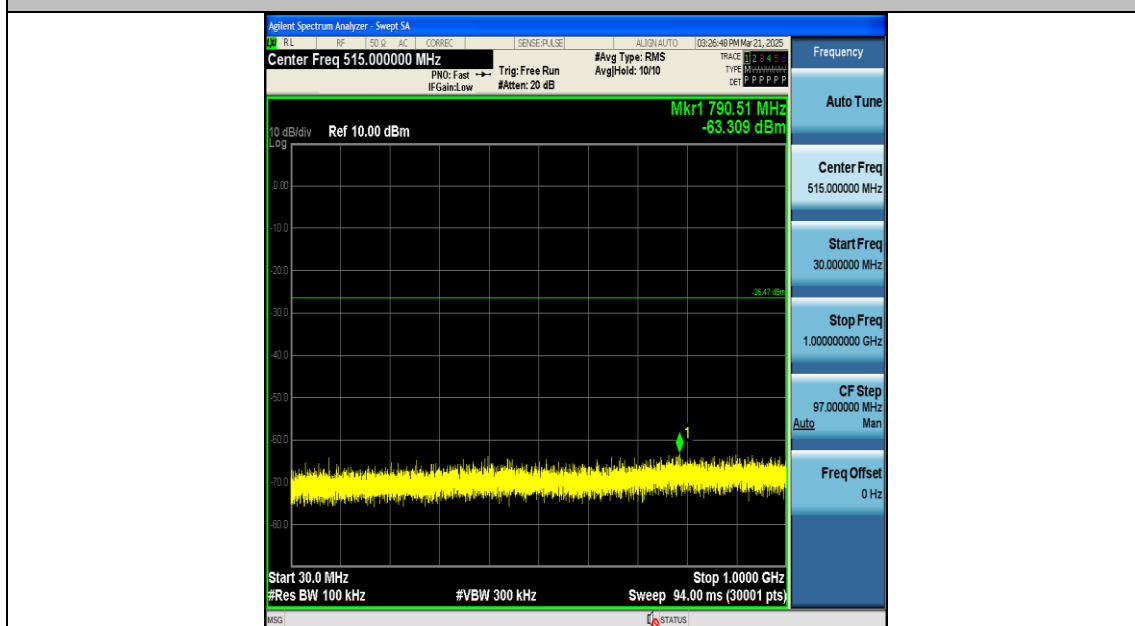




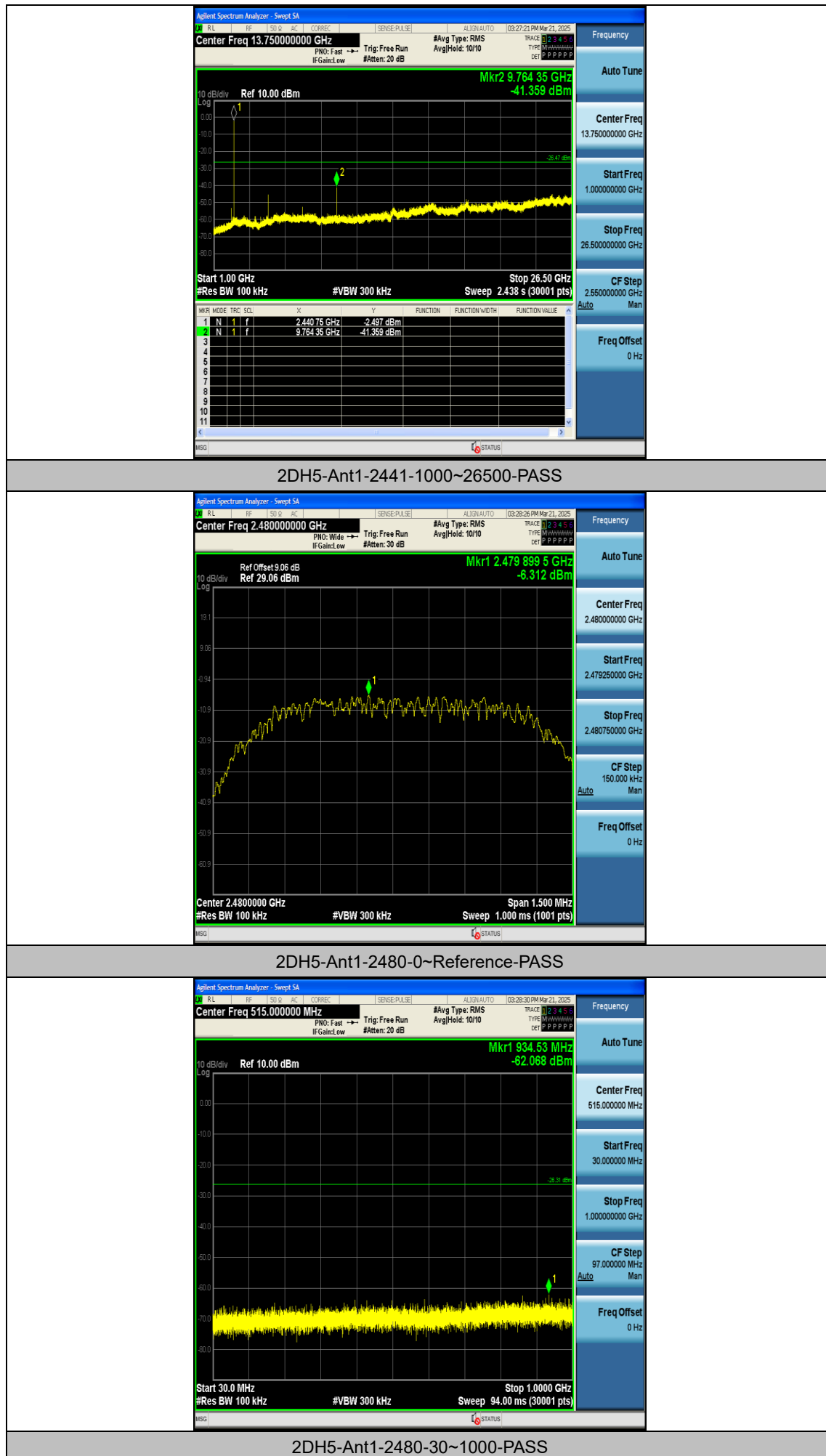
2DH5-Ant1-2402-1000~26500-PASS

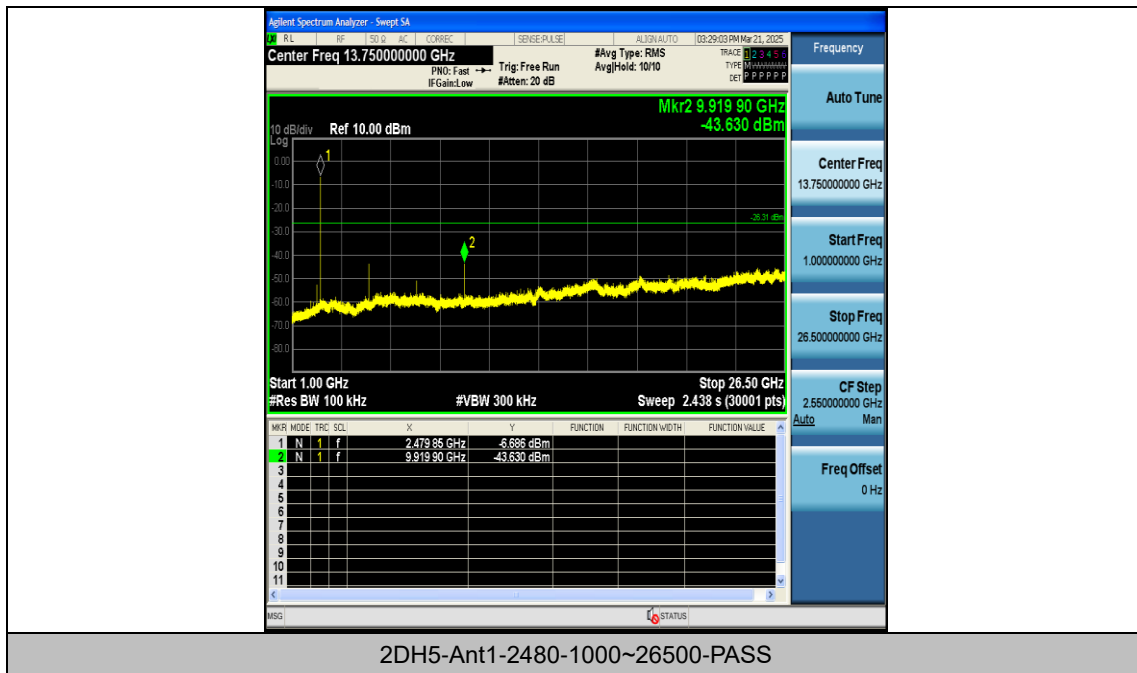


2DH5-Ant1-2441-0~Reference-PASS



2DH5-Ant1-2441-30~1000-PASS



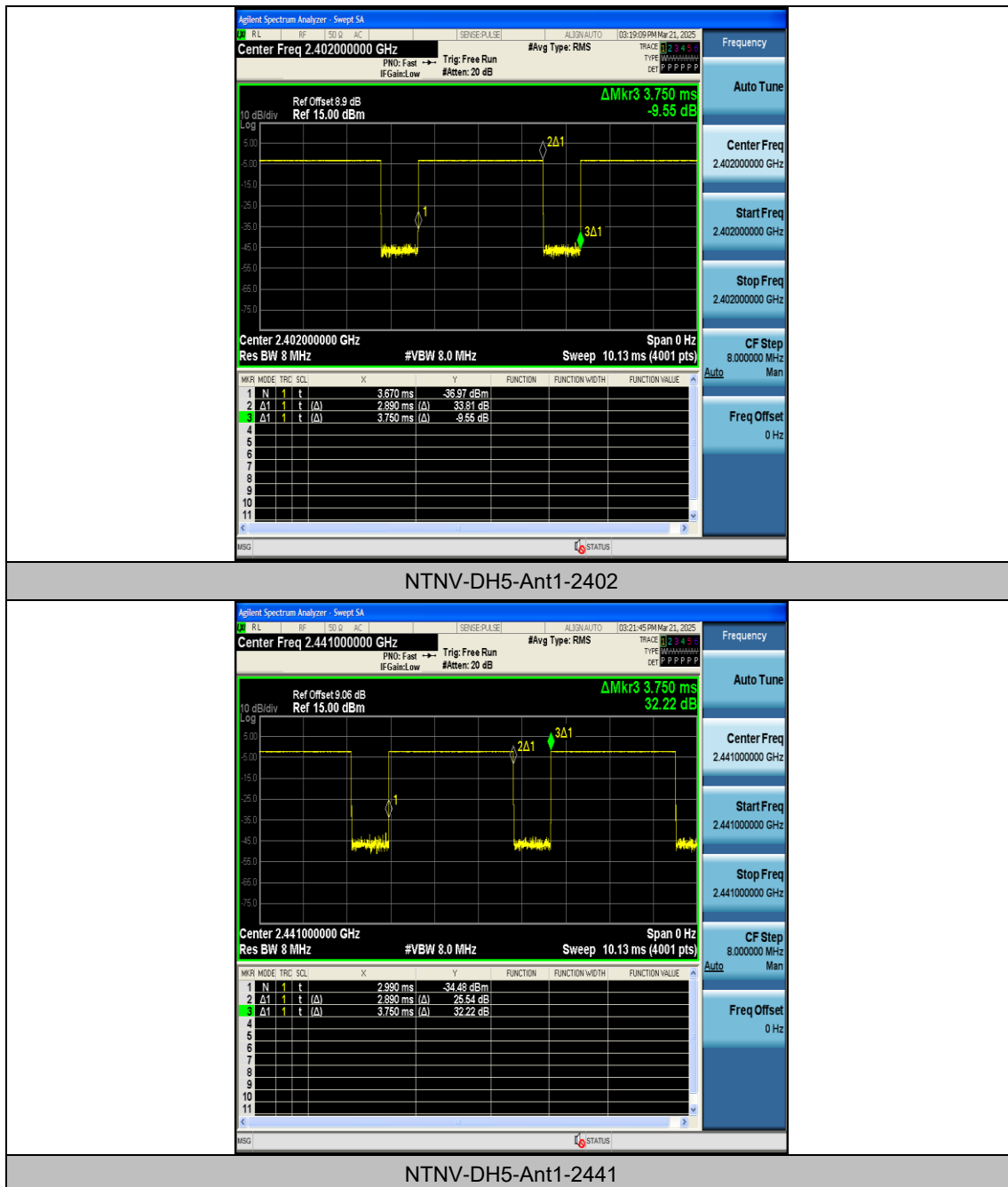


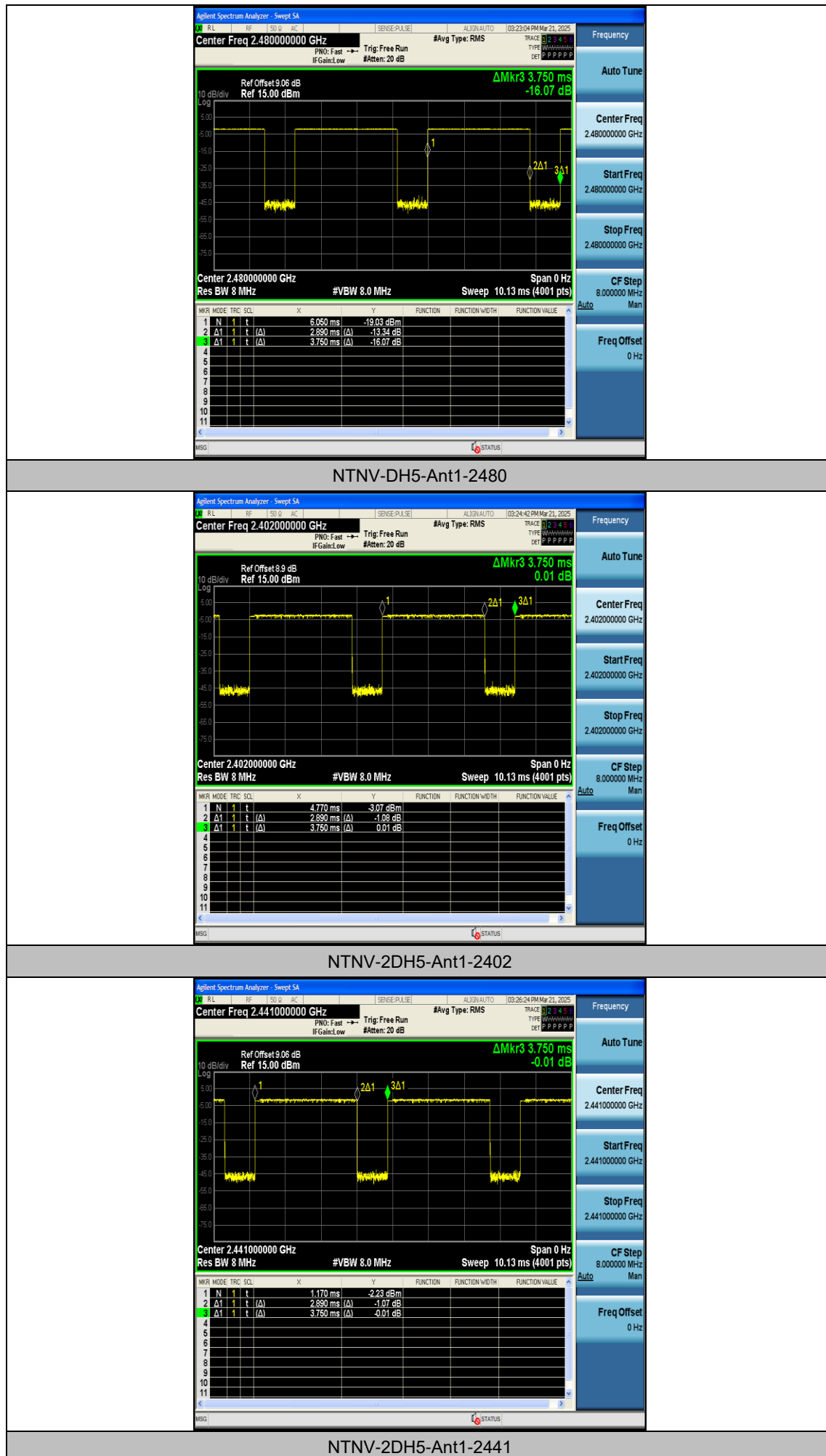
Appendix I: Duty Cycle

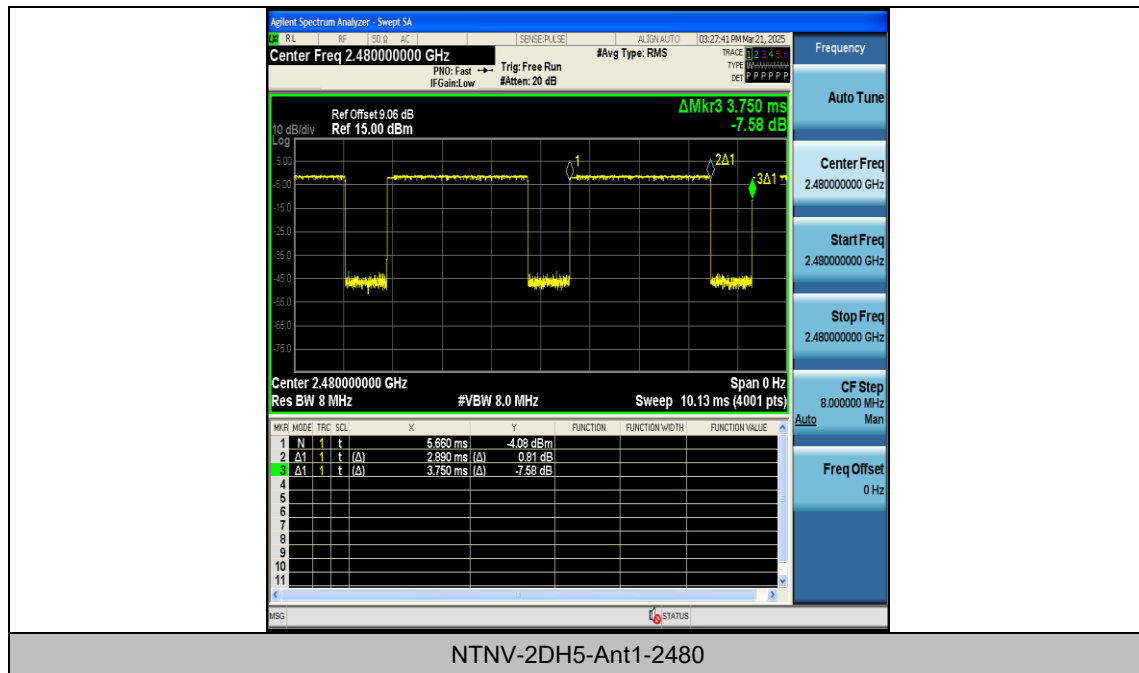
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13

Test Graphs







NTNV-2DH5-Ant1-2480