

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

Product Name: Wireless Speaker

Trade Mark: /

Test Model: M9

FCC ID: 2AZV6-M9

Environmental Conditions

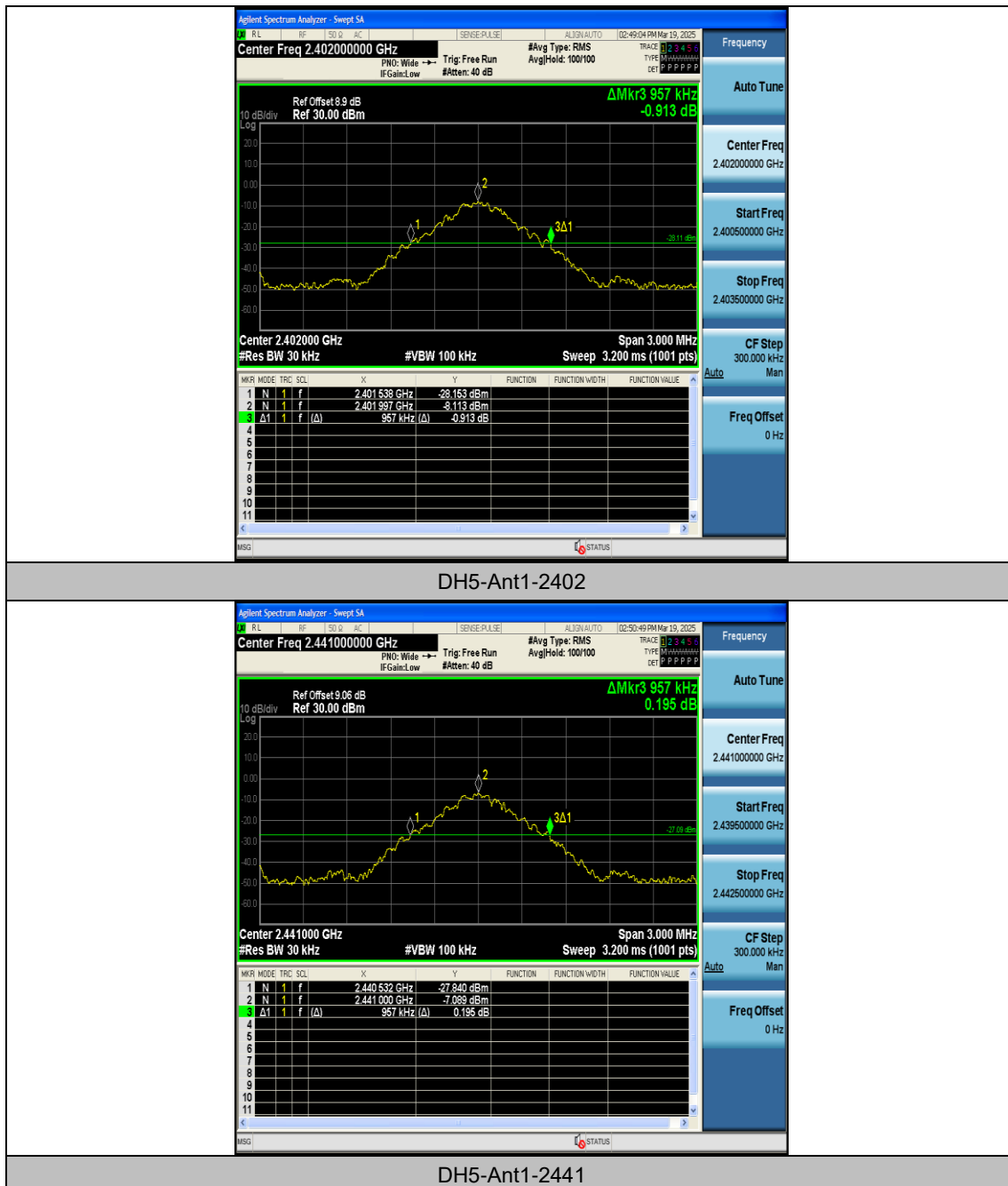
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

Test Result

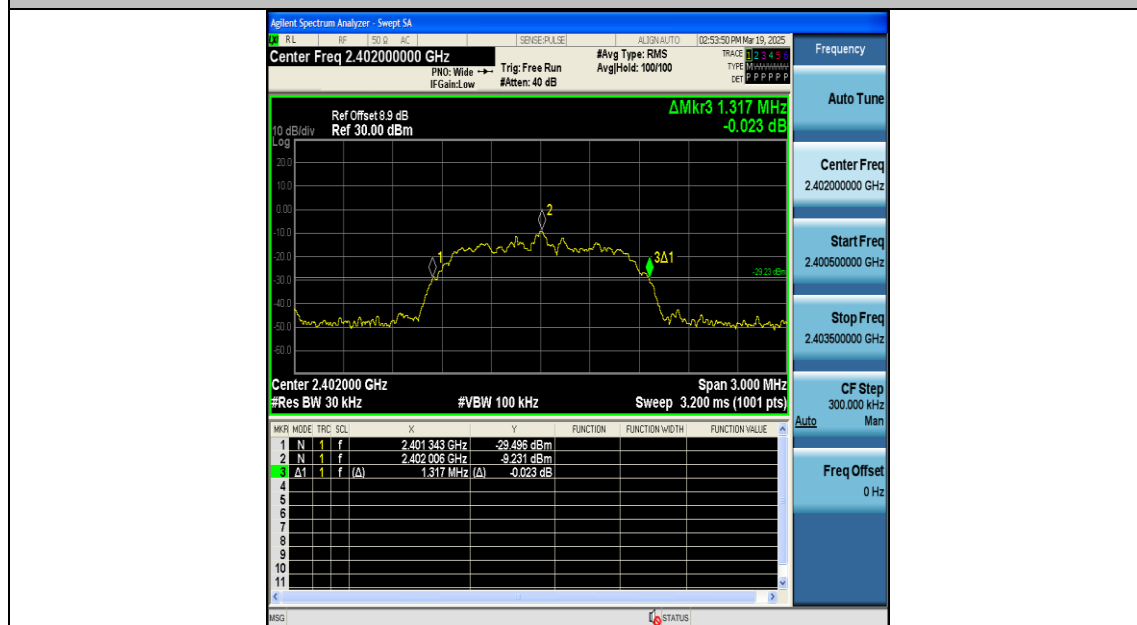
Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.957	2401.538	2402.495	---	---
DH5	Ant1	2441	0.957	2440.532	2441.489	---	---
DH5	Ant1	2480	0.963	2479.532	2480.495	---	---
2DH5	Ant1	2402	1.317	2401.343	2402.660	---	---
2DH5	Ant1	2441	1.308	2440.346	2441.654	---	---
2DH5	Ant1	2480	1.323	2479.337	2480.660	---	---

Test Graphs





DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441



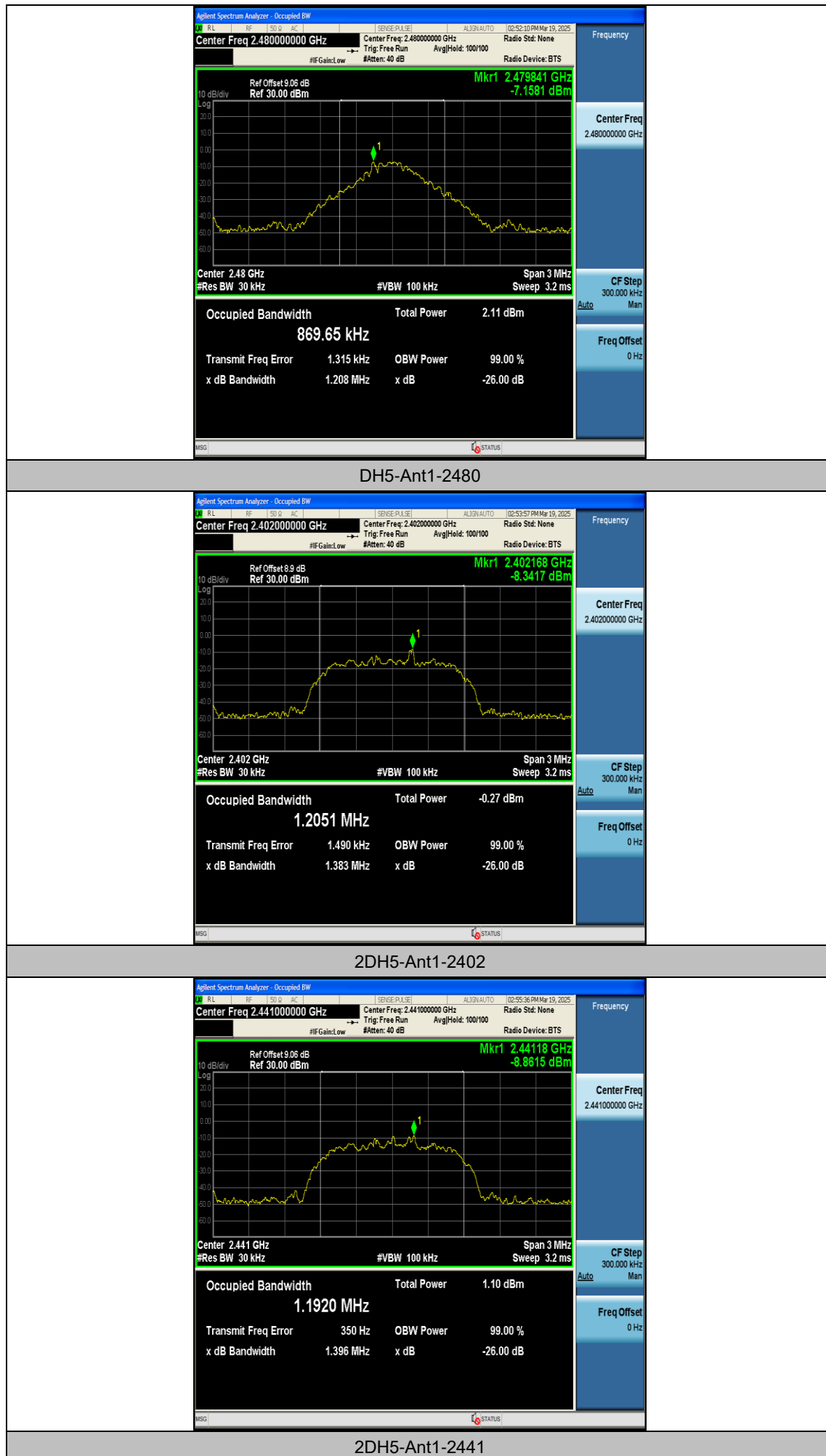
Appendix B: Occupied Channel Bandwidth

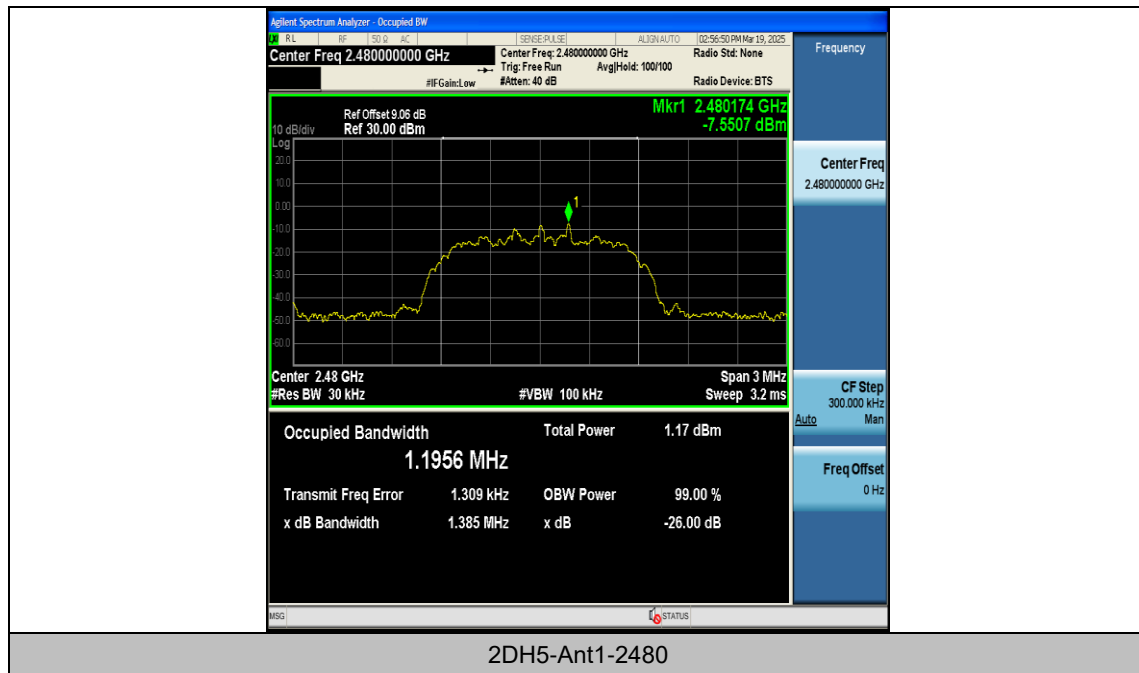
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.87952	2401.5660	2402.4455	---	---
DH5	Ant1	2441	0.86522	2440.5669	2441.4321	---	---
DH5	Ant1	2480	0.86965	2479.5665	2480.4361	---	---
2DH5	Ant1	2402	1.2051	2401.3989	2402.6040	---	---
2DH5	Ant1	2441	1.1920	2440.4044	2441.5964	---	---
2DH5	Ant1	2480	1.1956	2479.4035	2480.5991	---	---

Test Graphs





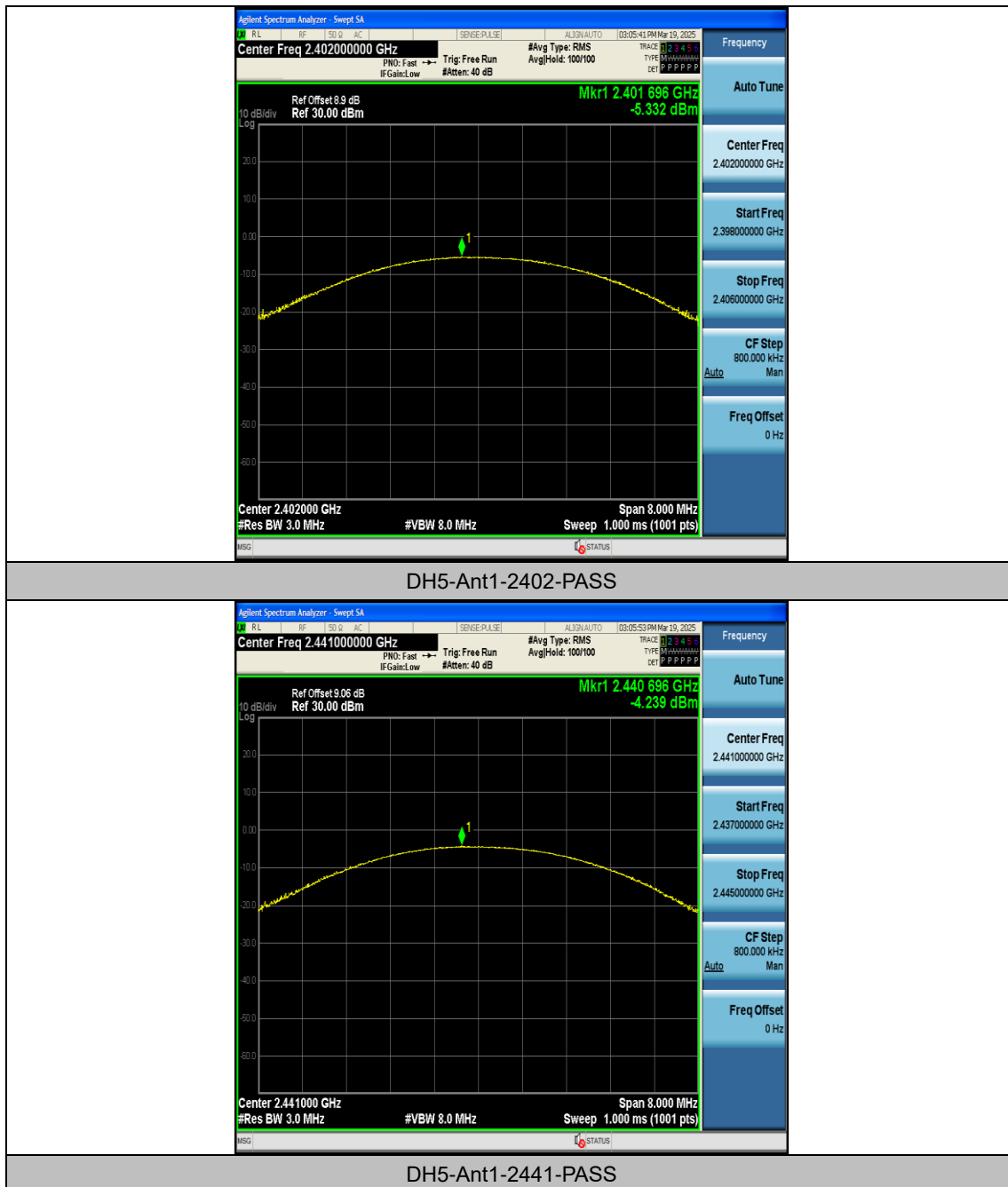


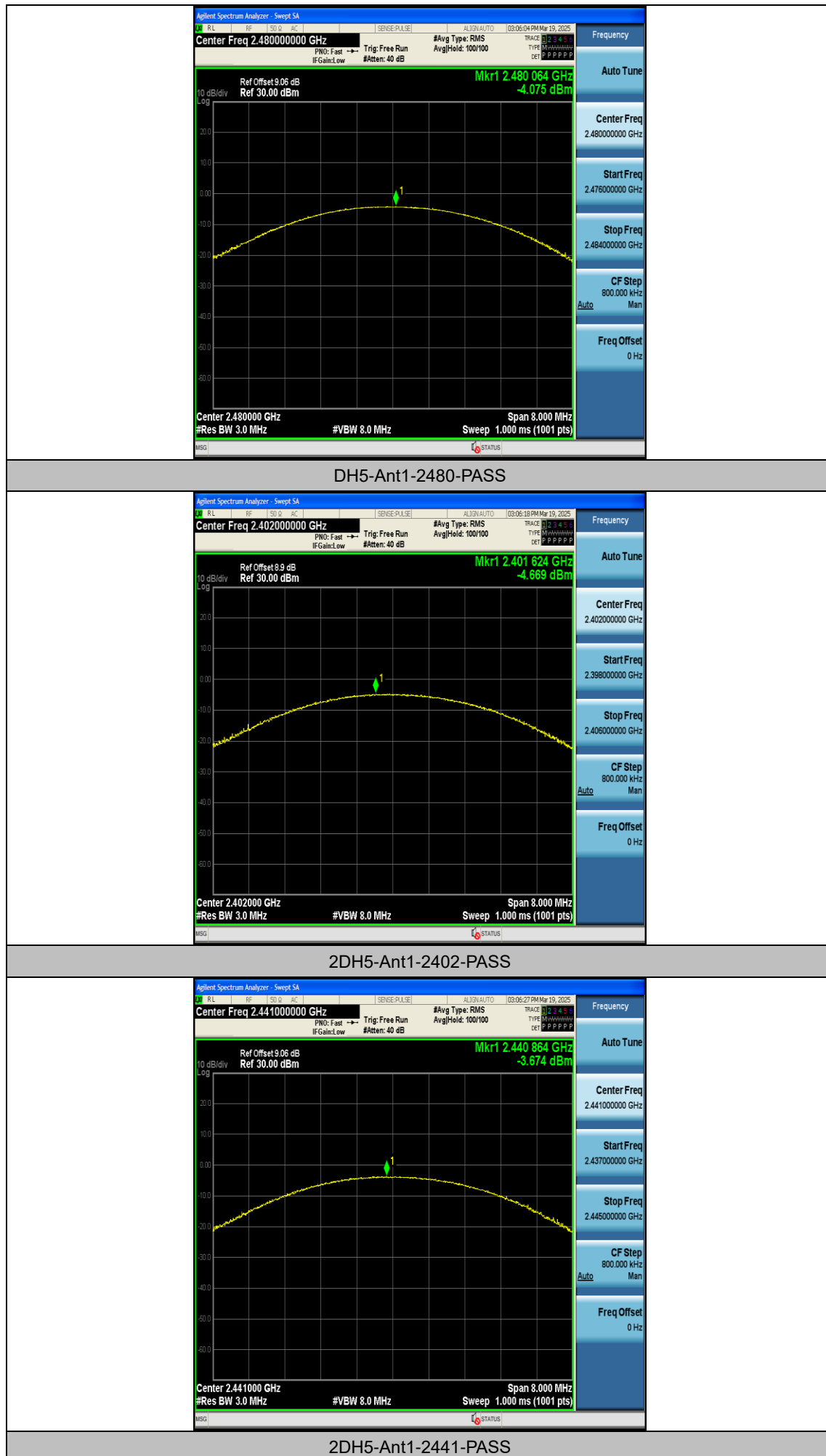
Appendix C: Maximum peak conducted output power

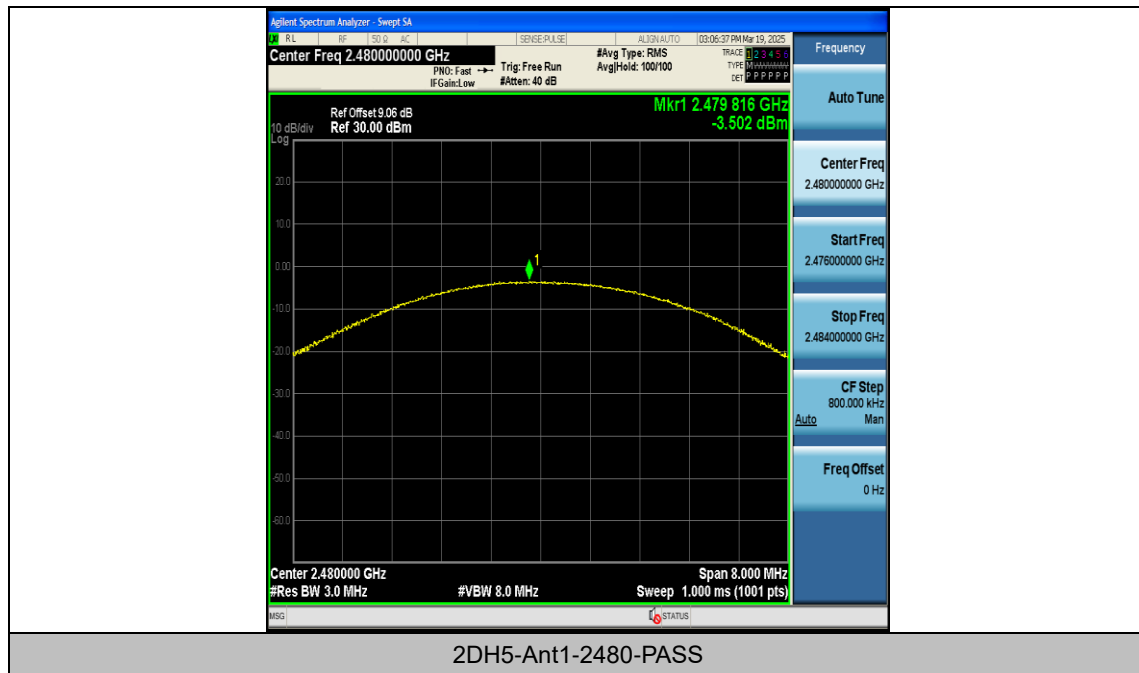
Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-5.33	≤30	PASS
DH5	Ant1	2441	-4.24	≤30	PASS
DH5	Ant1	2480	-4.08	≤30	PASS
2DH5	Ant1	2402	-4.67	≤20.97	PASS
2DH5	Ant1	2441	-3.67	≤20.97	PASS
2DH5	Ant1	2480	-3.50	≤20.97	PASS

Test Graphs





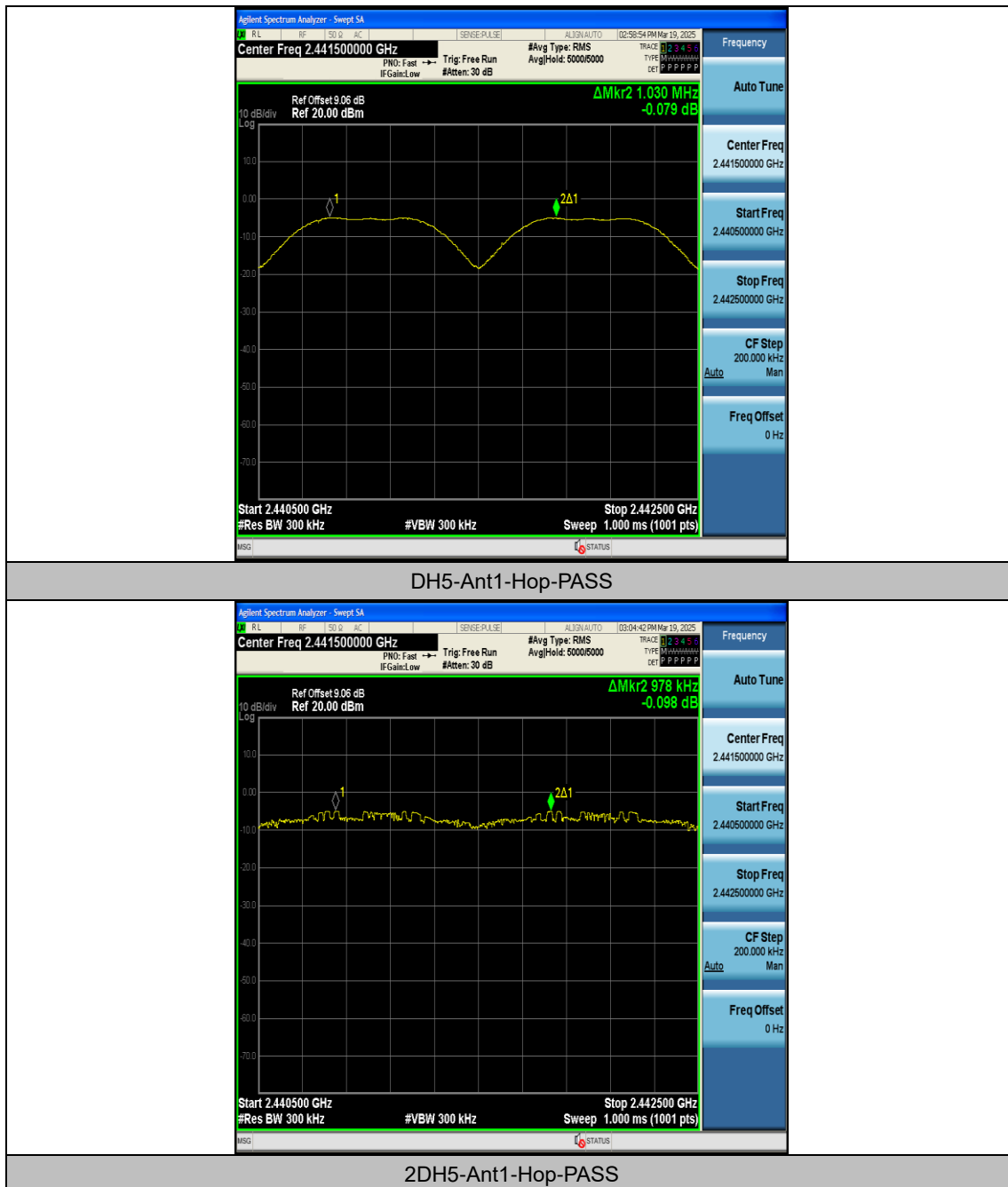


Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.03	≥ 0.963	PASS
2DH5	Ant1	Hop	0.978	≥ 0.882	PASS

Test Graphs

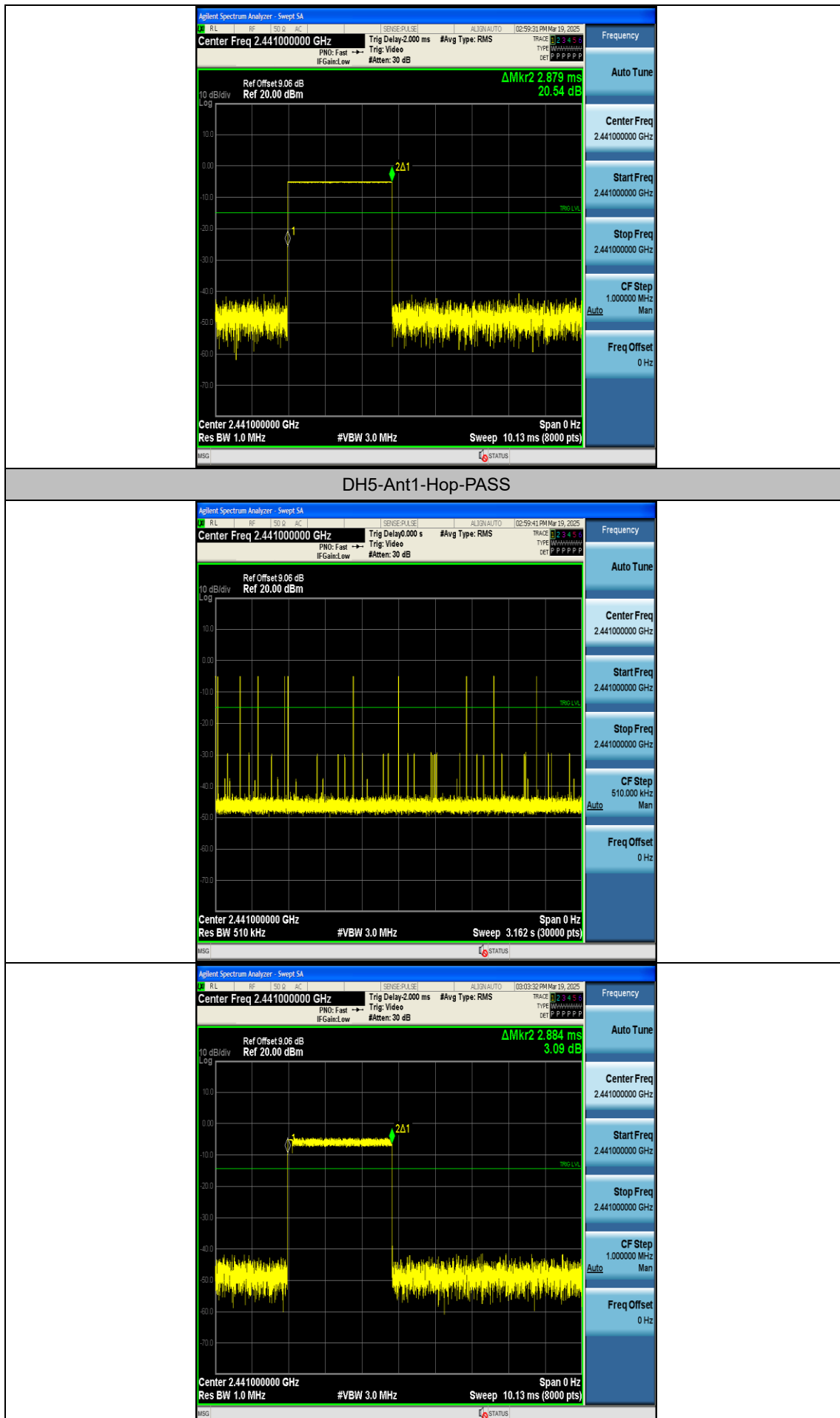


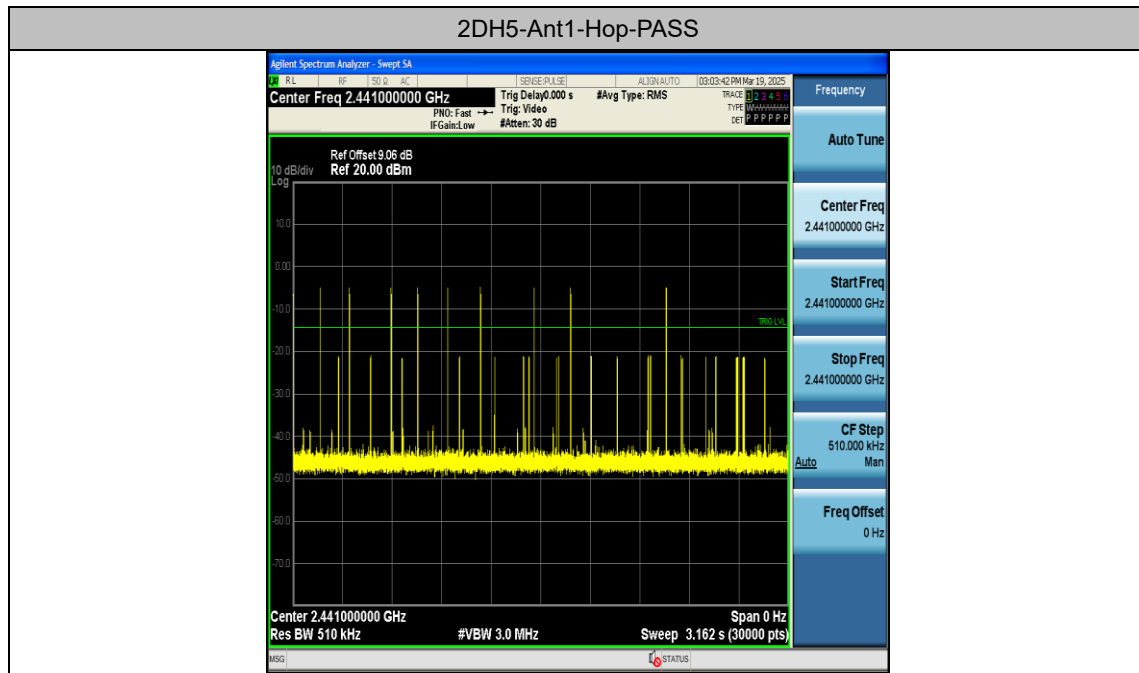
Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.879	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.884	100	0.288	≤0.4	PASS

Test Graphs



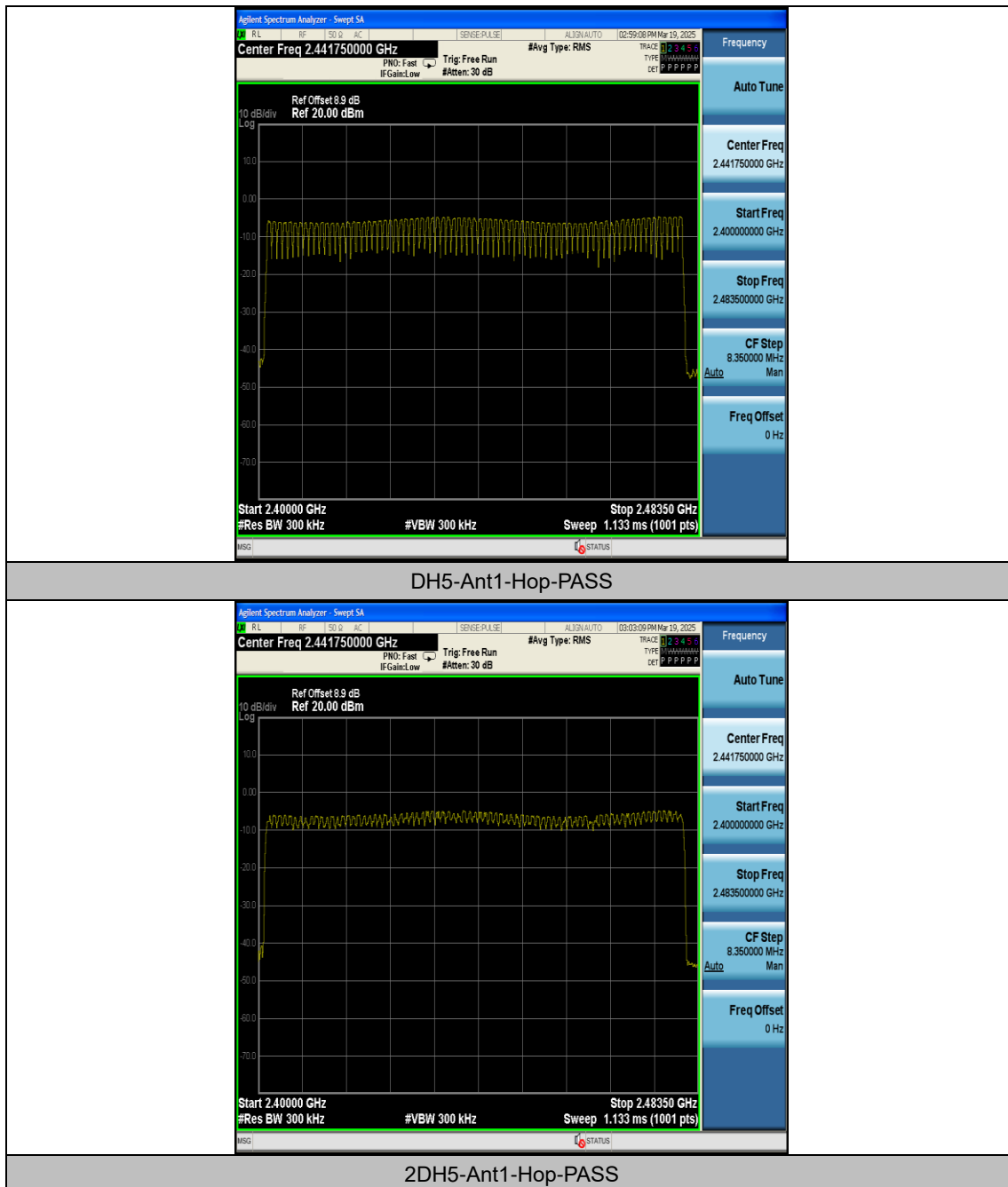


Appendix F: Number of hopping channels

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

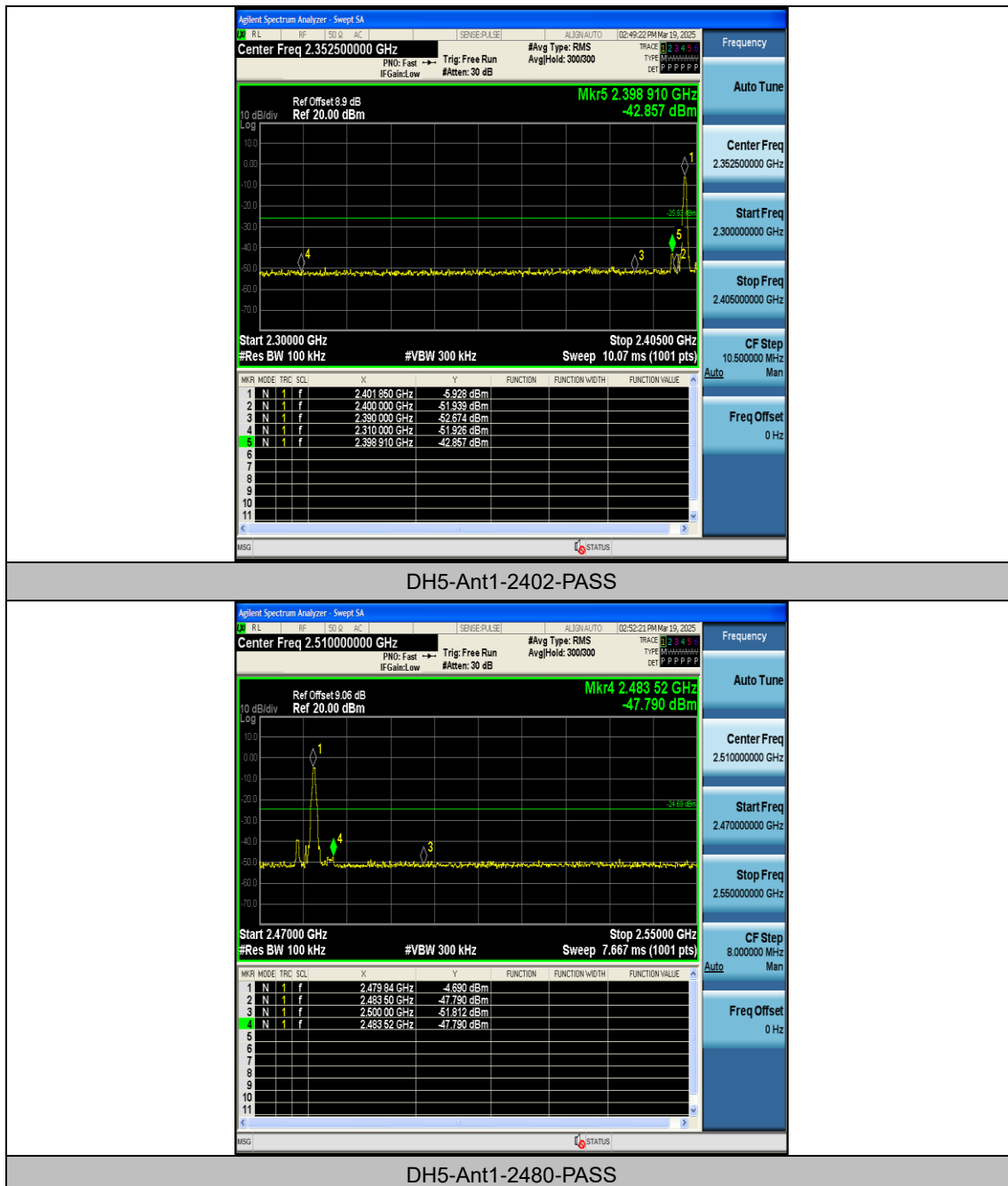


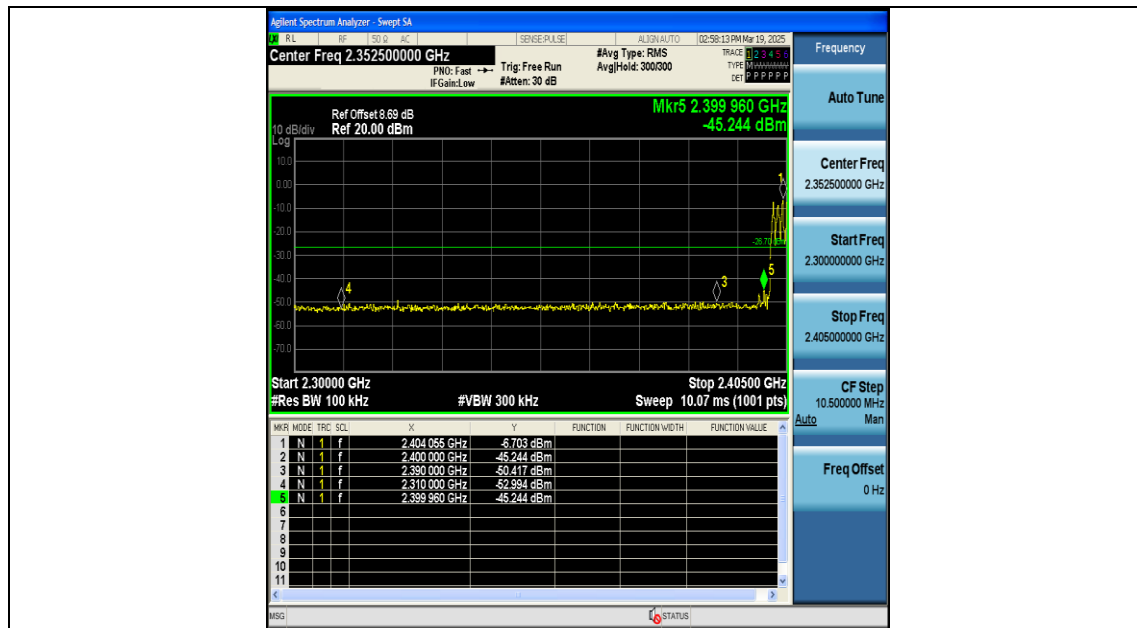
Appendix G: Band edge measurements

Test Result

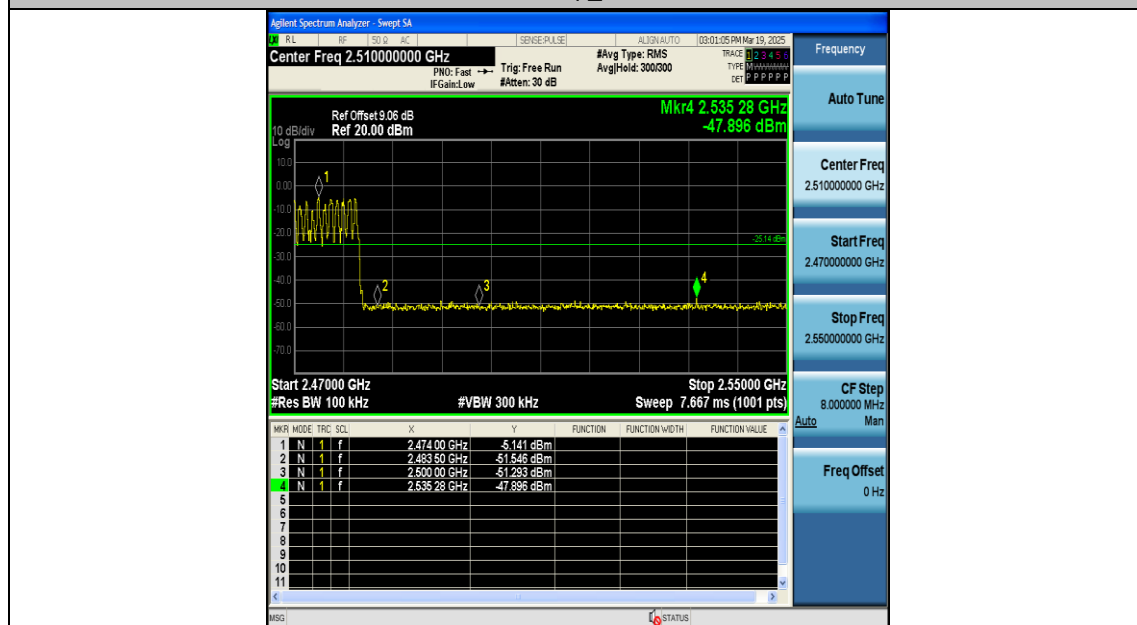
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-5.93	-42.86	≤ -25.93	PASS
DH5	Ant1	High	2480	-4.69	-47.79	≤ -24.69	PASS
DH5	Ant1	Low	Hop_2402	-6.70	-45.24	≤ -26.7	PASS
DH5	Ant1	High	Hop_2480	-5.14	-47.9	≤ -25.14	PASS
2DH5	Ant1	Low	2402	-6.05	-42.47	≤ -26.05	PASS
2DH5	Ant1	High	2480	-4.93	-48.02	≤ -24.93	PASS
2DH5	Ant1	Low	Hop_2402	-9.51	-47.43	≤ -29.51	PASS
2DH5	Ant1	High	Hop_2480	-8.62	-48.97	≤ -28.62	PASS

Test Graphs

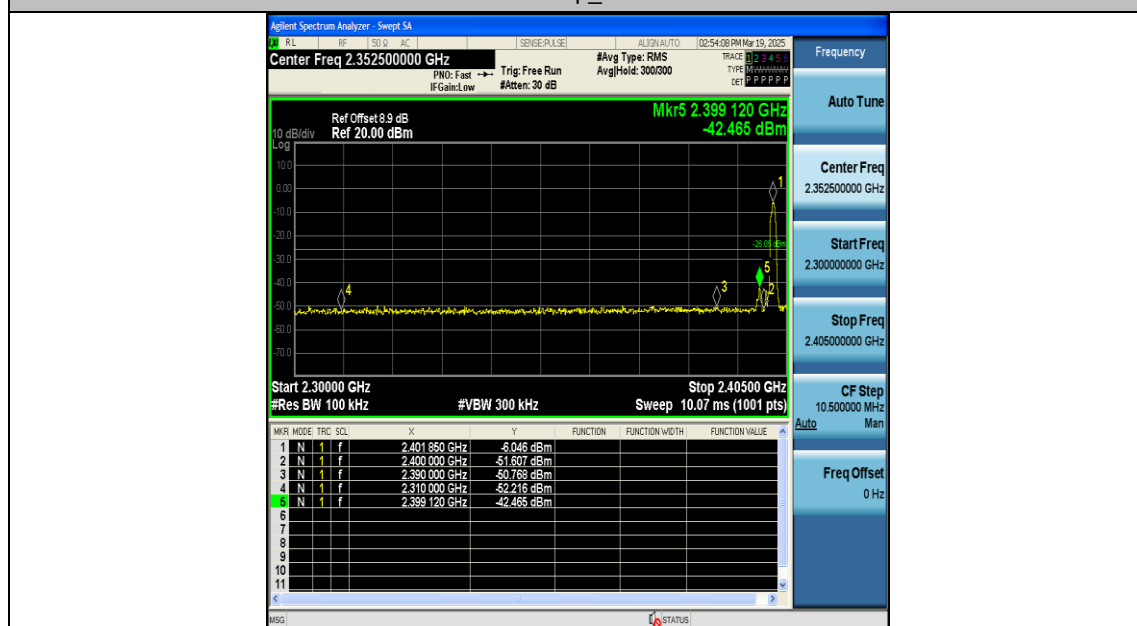




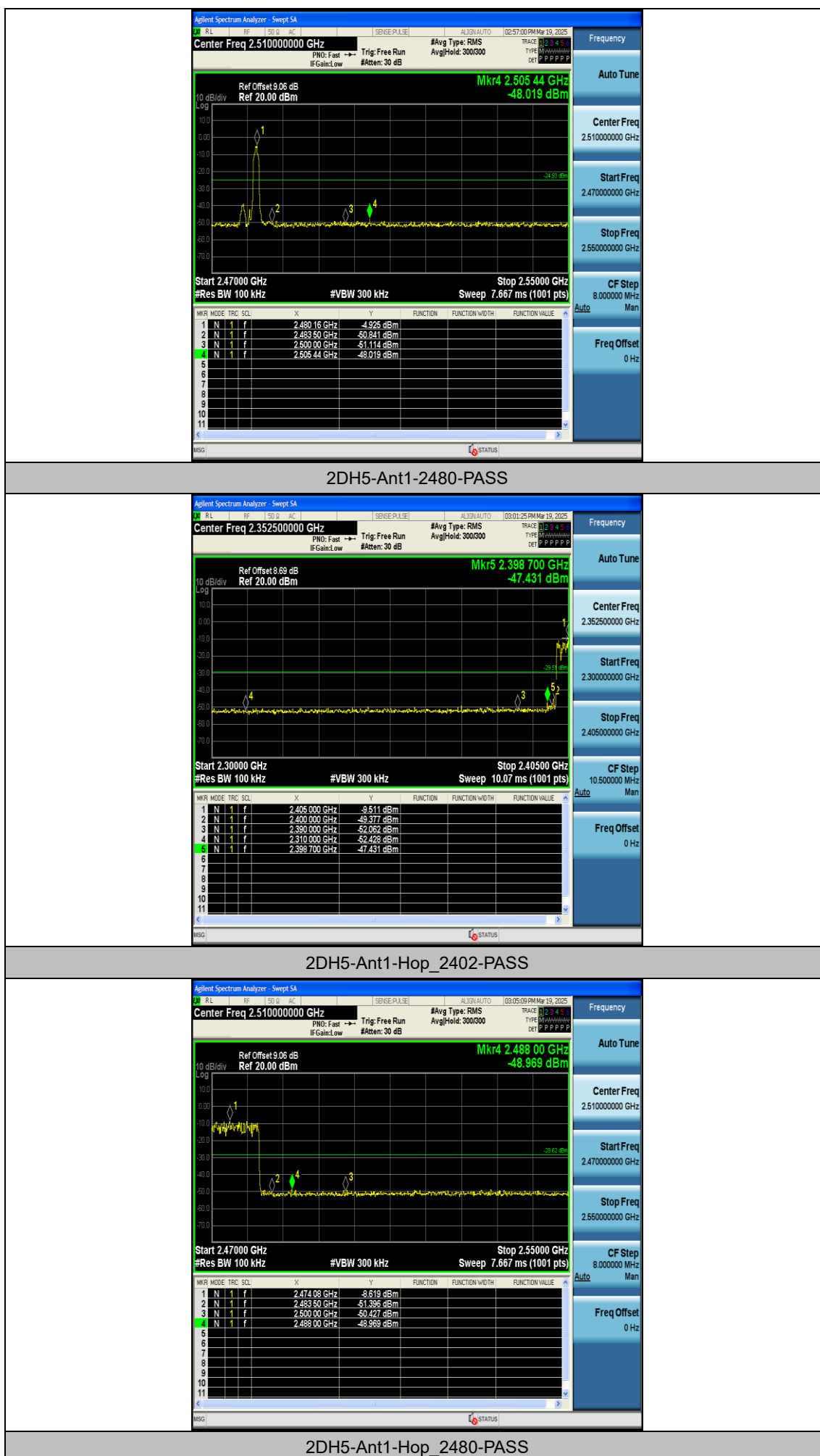
DH5-Ant1-Hop_2402-PASS



DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS

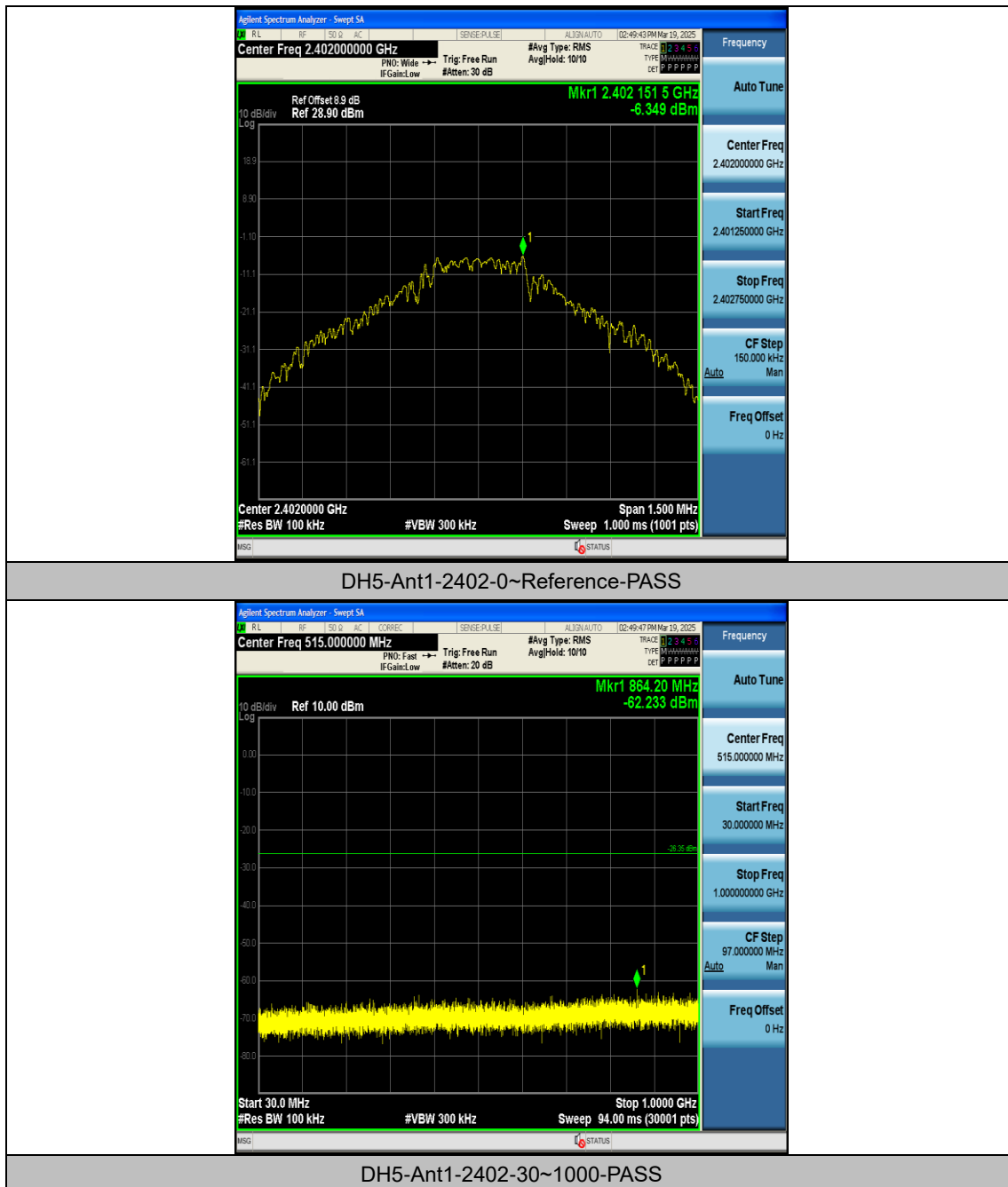


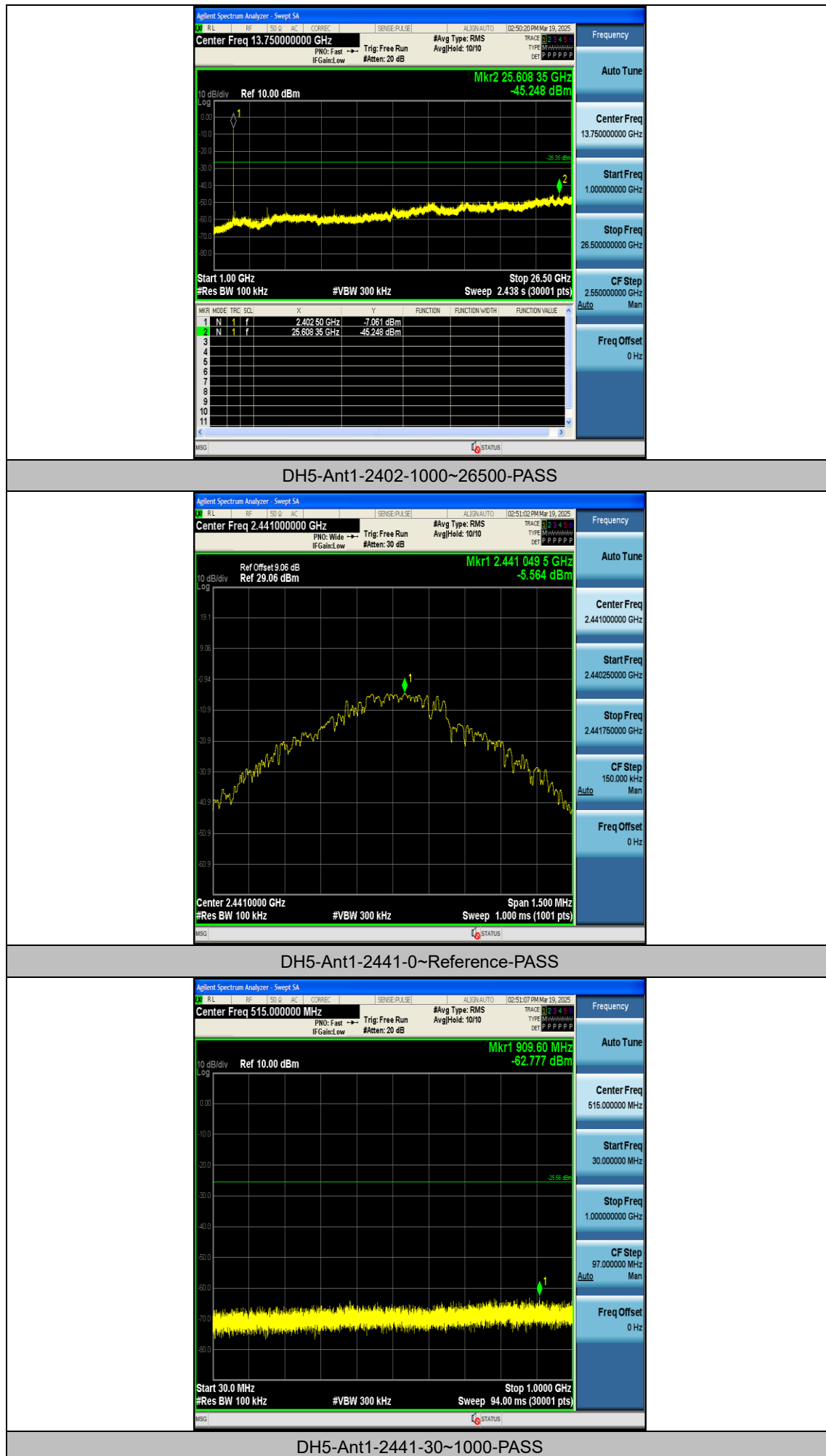
Appendix H: Conducted Spurious Emission

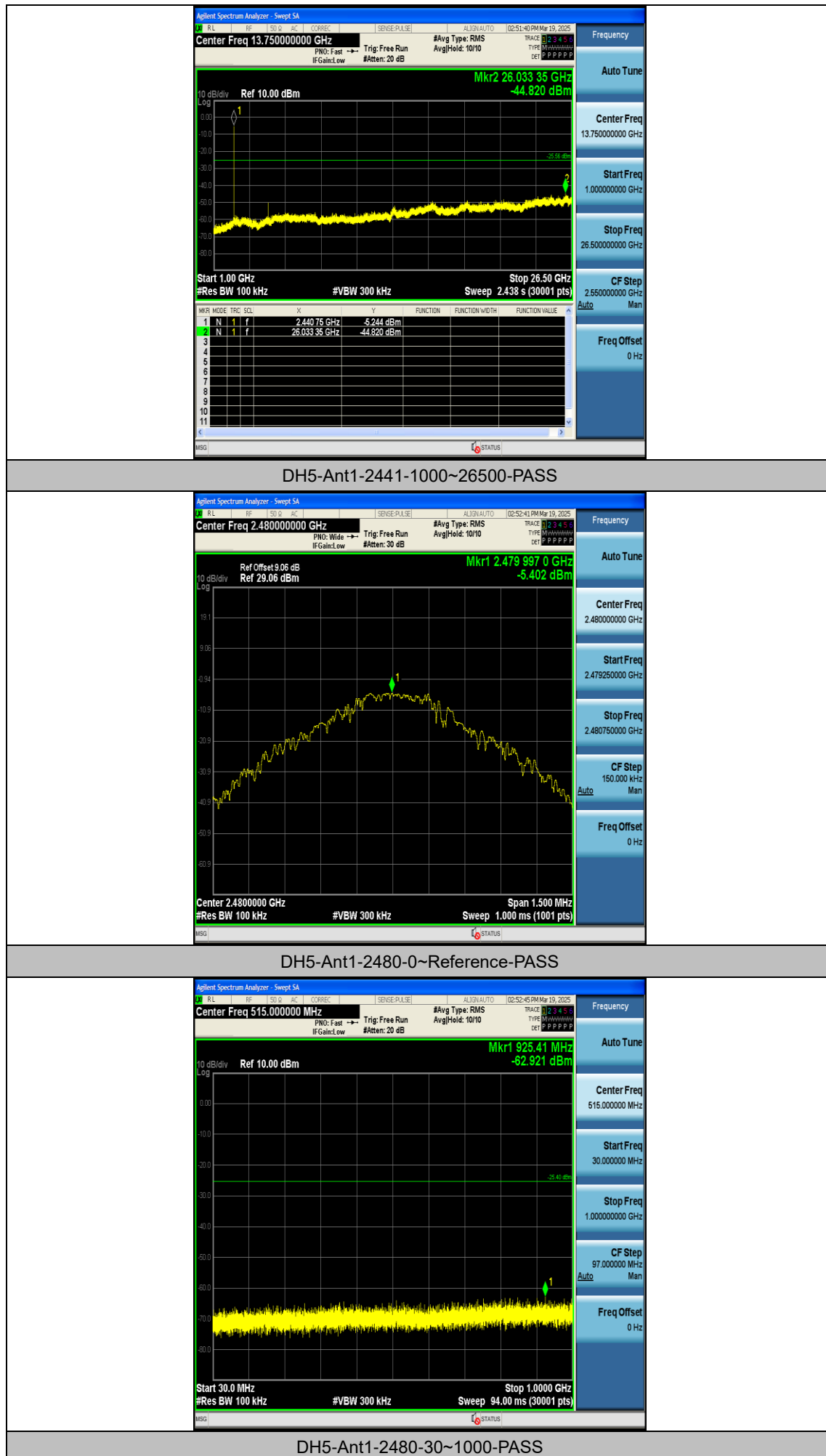
Test Result

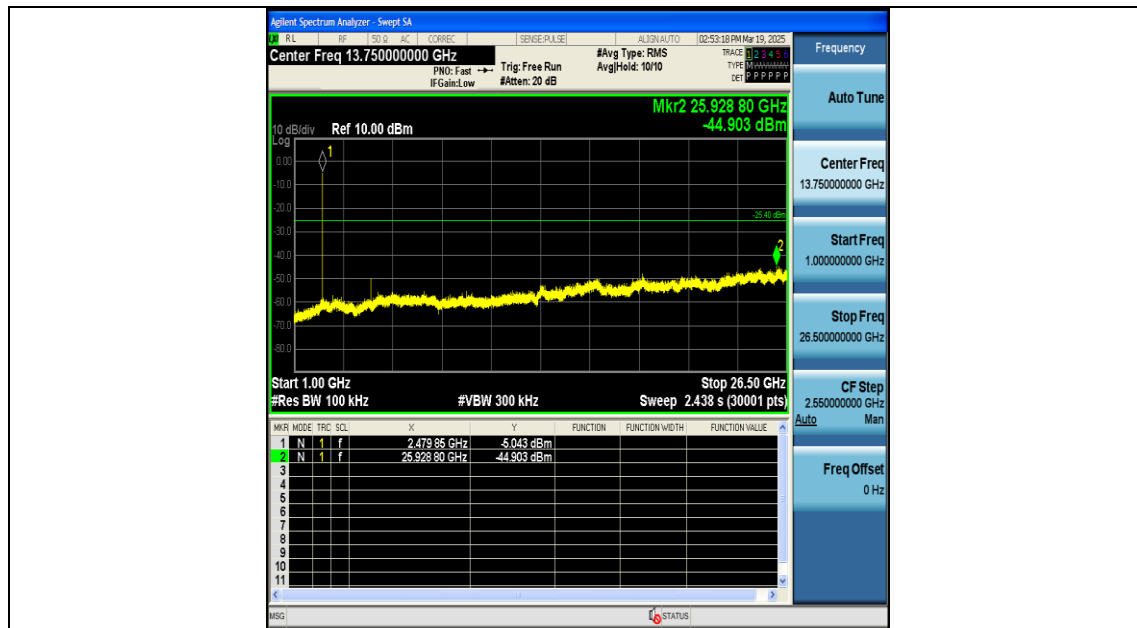
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-6.35	-6.35	---	PASS
DH5	Ant1	2402	30~1000	-6.35	-62.23	≤-26.35	PASS
DH5	Ant1	2402	1000~26500	-6.35	-45.25	≤-26.35	PASS
DH5	Ant1	2441	0~Reference	-5.56	-5.56	---	PASS
DH5	Ant1	2441	30~1000	-5.56	-62.78	≤-25.56	PASS
DH5	Ant1	2441	1000~26500	-5.56	-44.82	≤-25.56	PASS
DH5	Ant1	2480	0~Reference	-5.40	-5.40	---	PASS
DH5	Ant1	2480	30~1000	-5.40	-62.92	≤-25.4	PASS
DH5	Ant1	2480	1000~26500	-5.40	-44.9	≤-25.4	PASS
2DH5	Ant1	2402	0~Reference	-7.35	-7.35	---	PASS
2DH5	Ant1	2402	30~1000	-7.35	-62.67	≤-27.35	PASS
2DH5	Ant1	2402	1000~26500	-7.35	-45.44	≤-27.35	PASS
2DH5	Ant1	2441	0~Reference	-7.04	-7.04	---	PASS
2DH5	Ant1	2441	30~1000	-7.04	-62.97	≤-27.04	PASS
2DH5	Ant1	2441	1000~26500	-7.04	-45.12	≤-27.04	PASS
2DH5	Ant1	2480	0~Reference	-7.93	-7.93	---	PASS
2DH5	Ant1	2480	30~1000	-7.93	-61.97	≤-27.93	PASS
2DH5	Ant1	2480	1000~26500	-7.93	-44.93	≤-27.93	PASS

Test Graphs

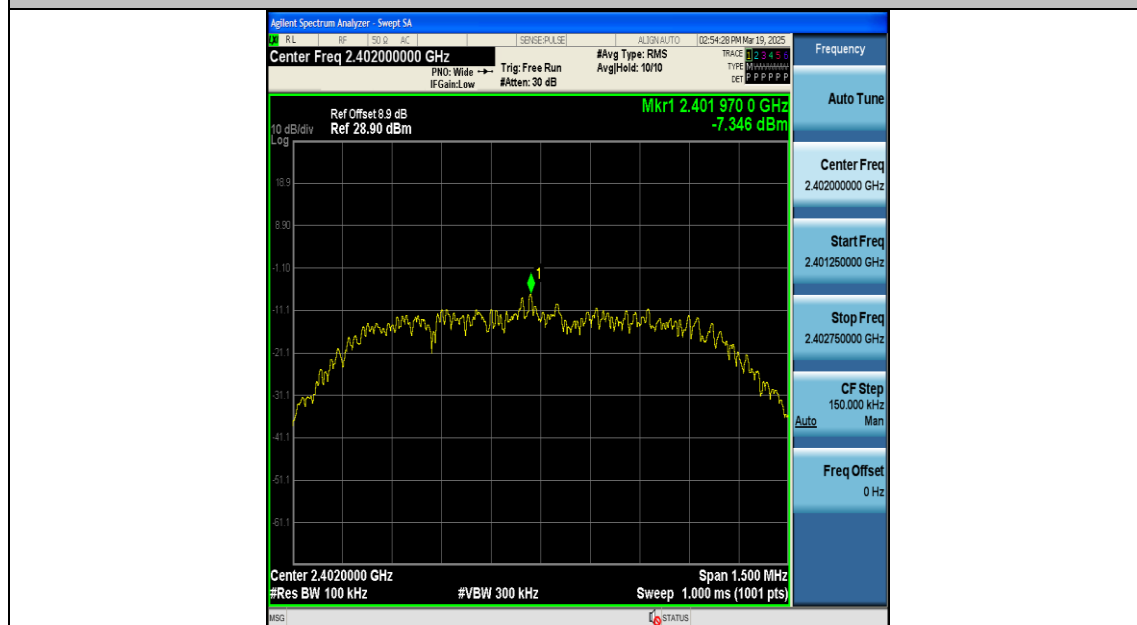




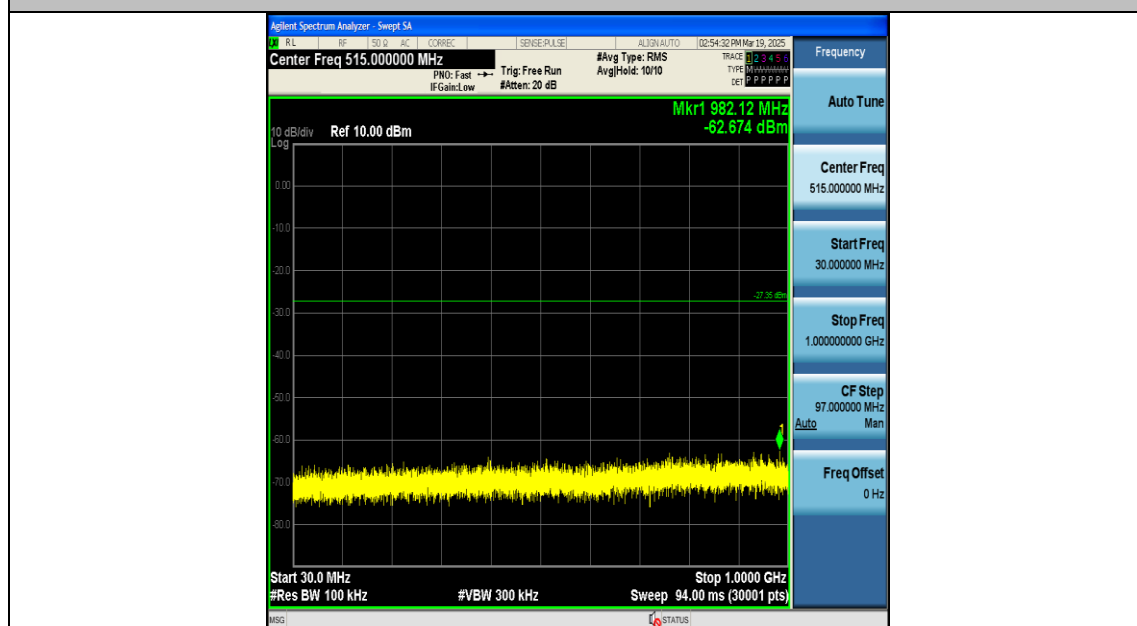




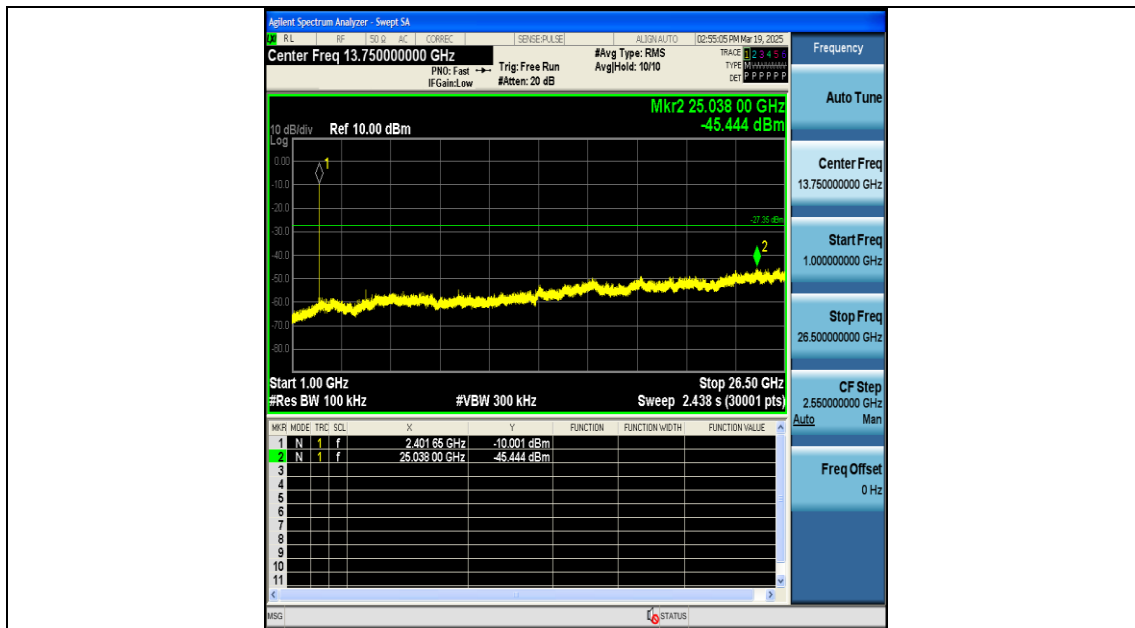
DH5-Ant1-2480-1000~26500-PASS



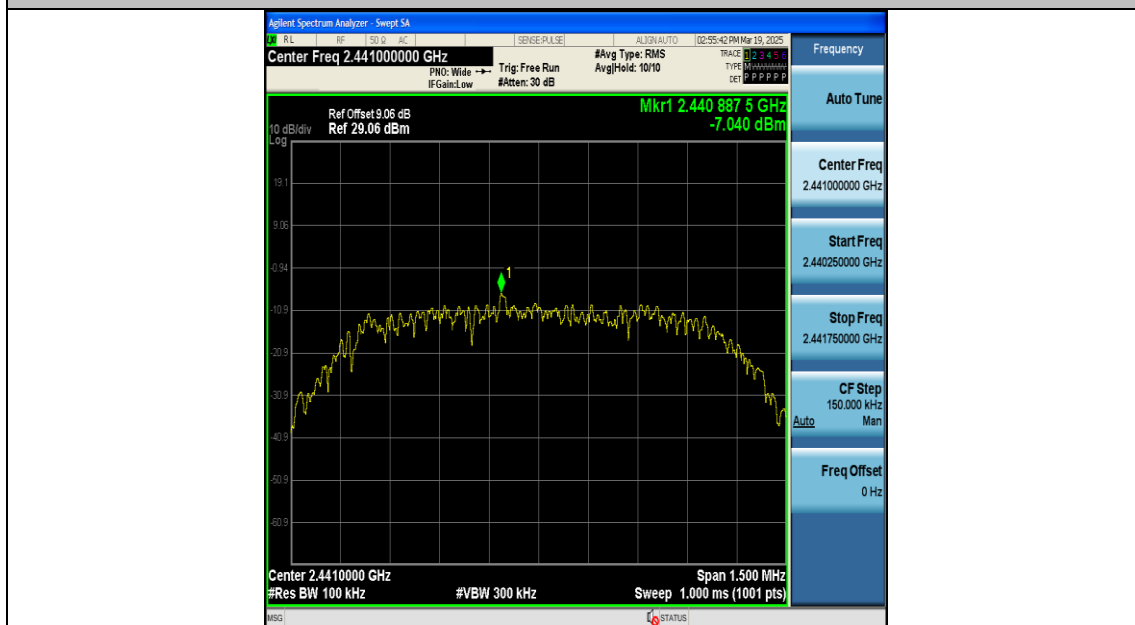
2DH5-Ant1-2402-0~Reference-PASS



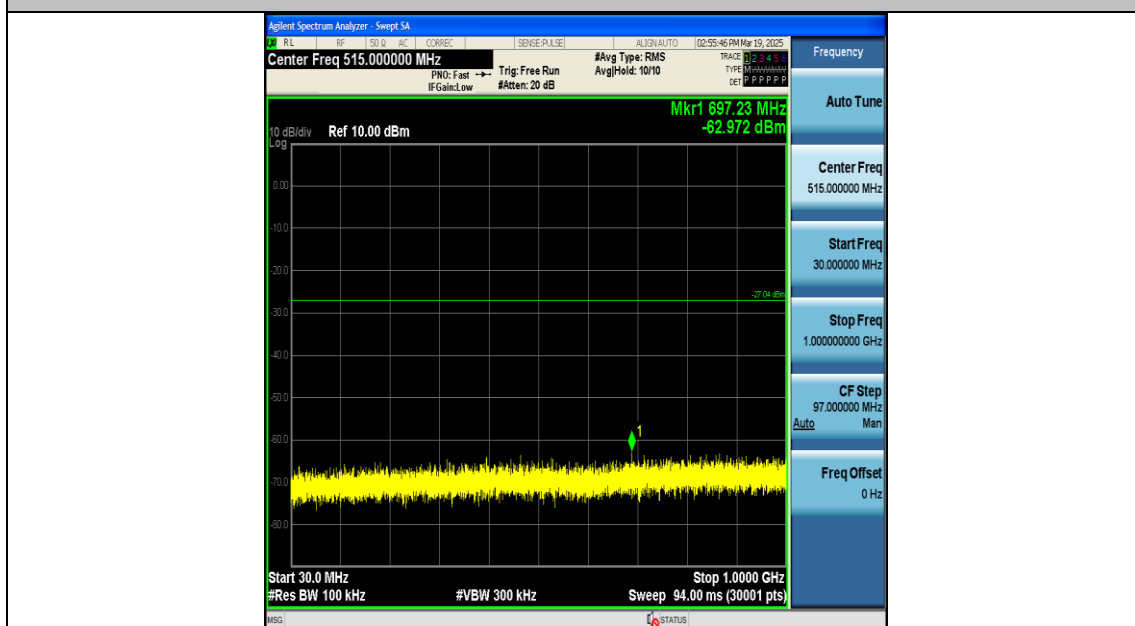
2DH5-Ant1-2402-30~1000-PASS



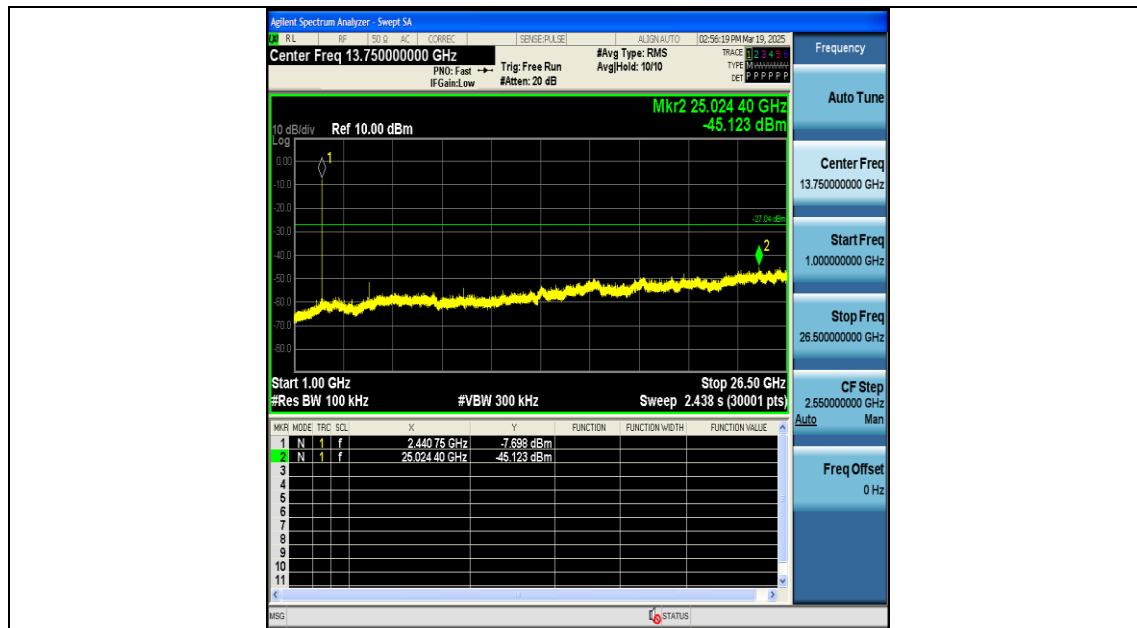
2DH5-Ant1-2402-1000~26500-PASS



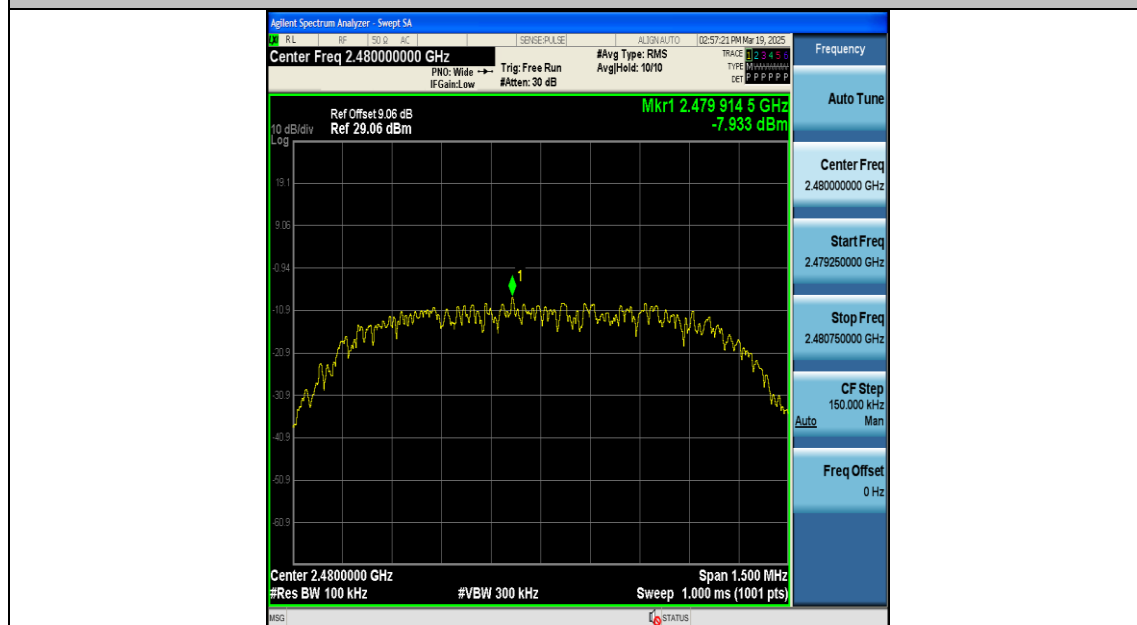
2DH5-Ant1-2441-0~Reference-PASS



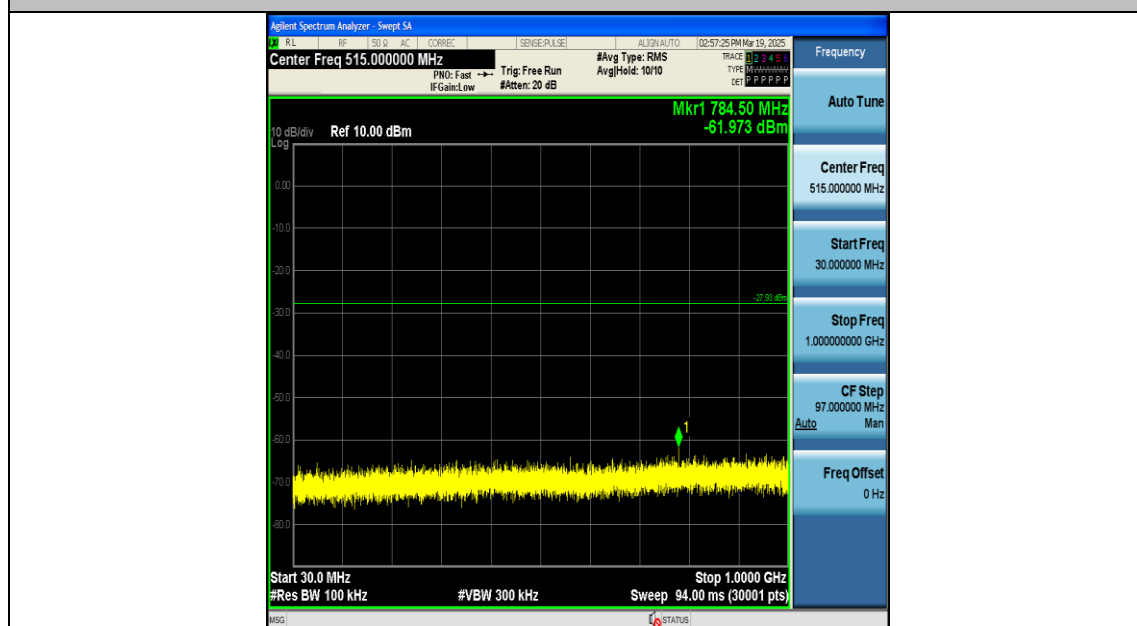
2DH5-Ant1-2441-30~1000-PASS



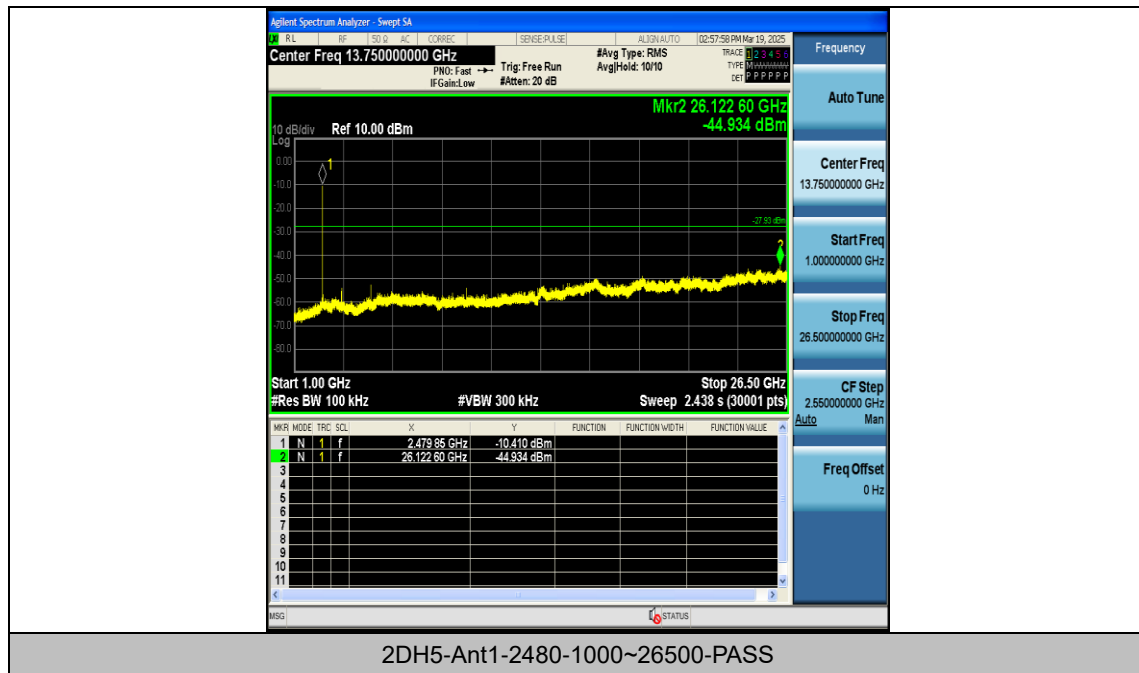
2DH5-Ant1-2441-1000~26500-PASS



2DH5-Ant1-2480-0~Reference-PASS



2DH5-Ant1-2480-30~1000-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	2.87	3.75	76.53	1.16
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.89	3.75	77.07	1.13

Test Graphs

