

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

Product Name: Wireless Speaker

Trade Mark: N/A

Test Model: K15

FCC ID: 2AUOR-K15

Environmental Conditions

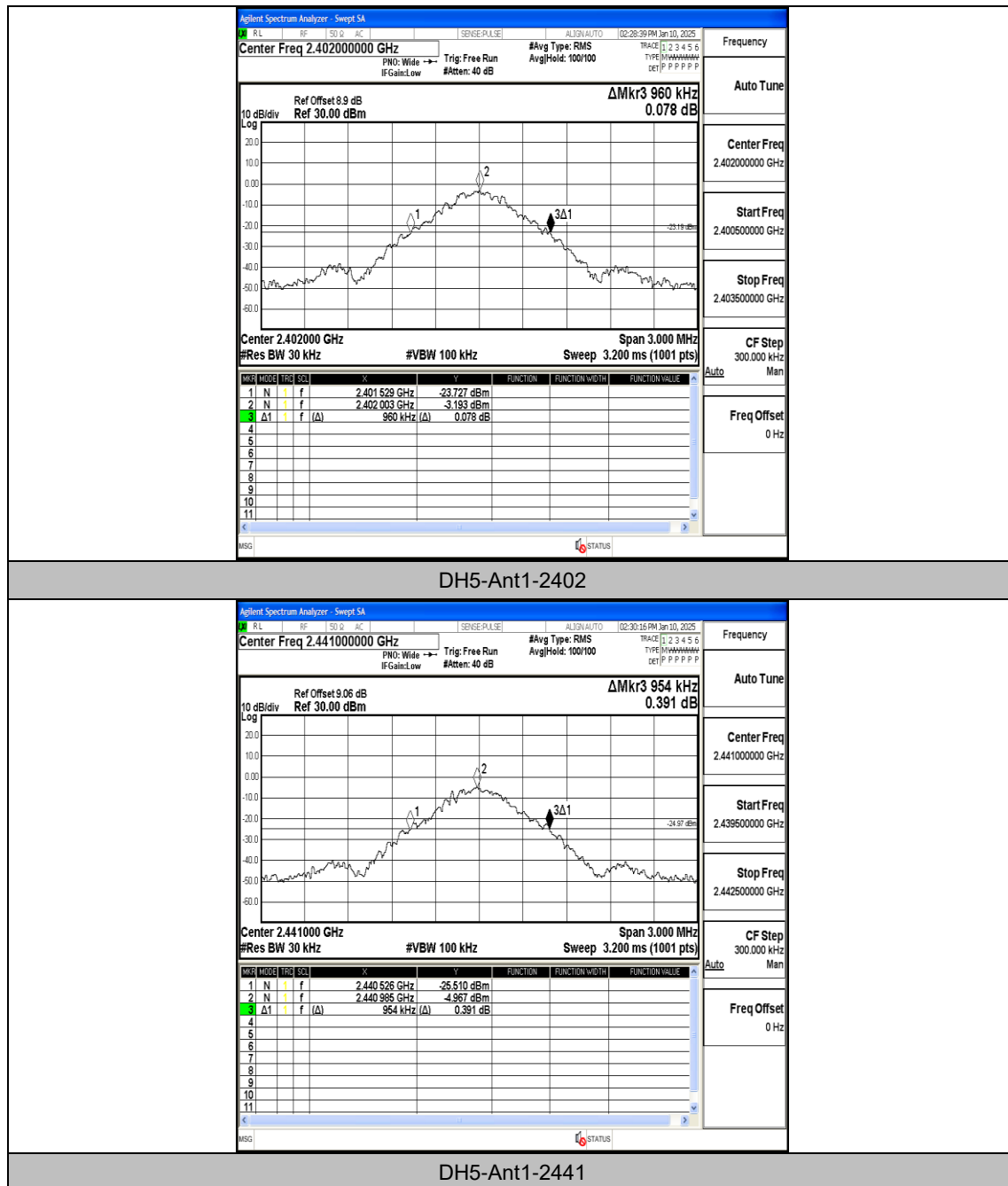
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

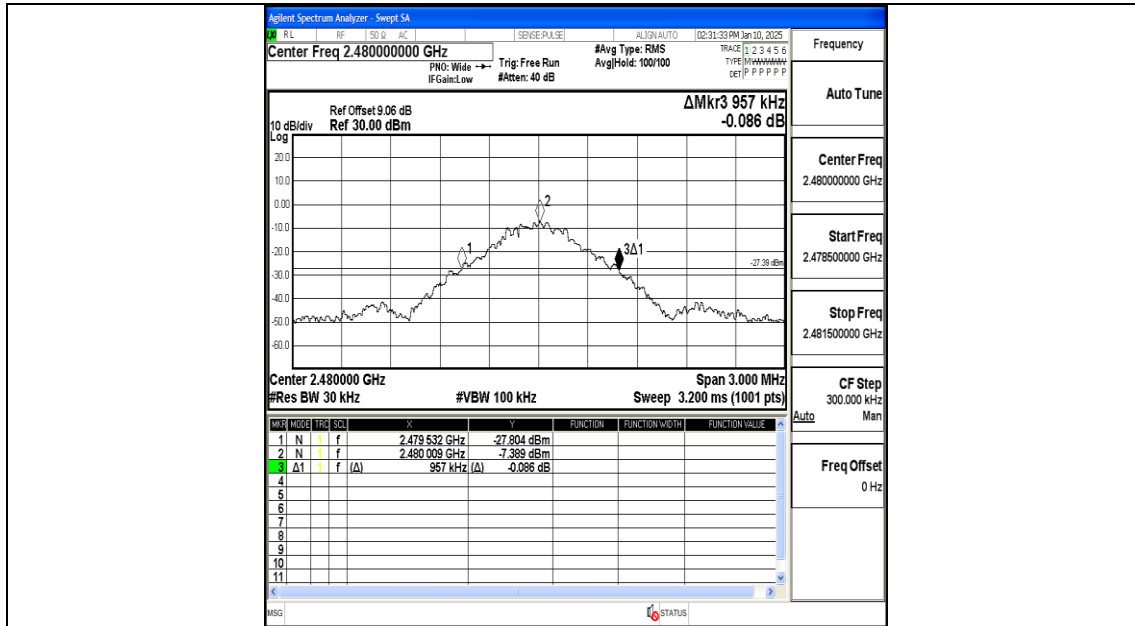
Appendix A: 20dB Emission Bandwidth

Test Result

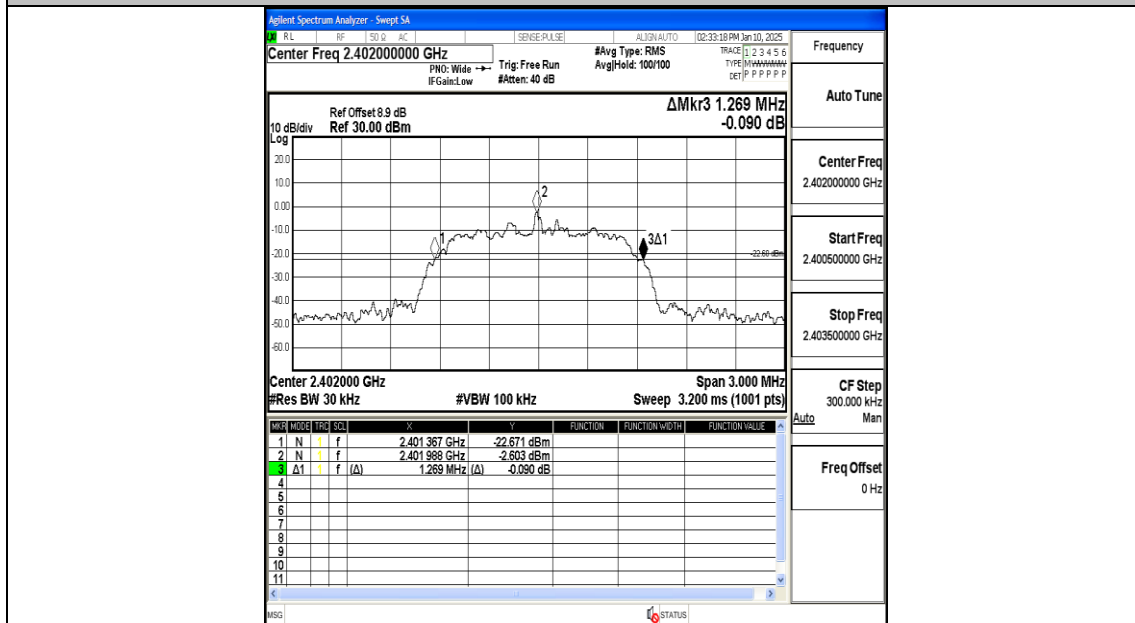
Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.960	2401.529	2402.489	---	---
DH5	Ant1	2441	0.954	2440.526	2441.480	---	---
DH5	Ant1	2480	0.957	2479.532	2480.489	---	---
2DH5	Ant1	2402	1.269	2401.367	2402.636	---	---
2DH5	Ant1	2441	1.269	2440.367	2441.636	---	---
2DH5	Ant1	2480	1.290	2479.358	2480.648	---	---

Test Graphs

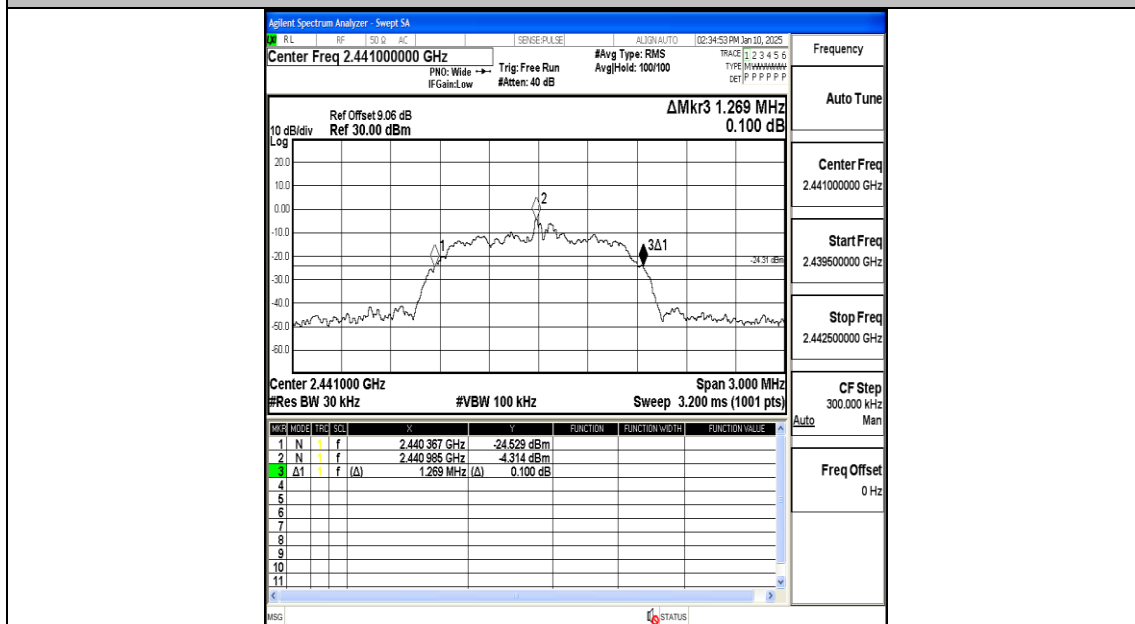




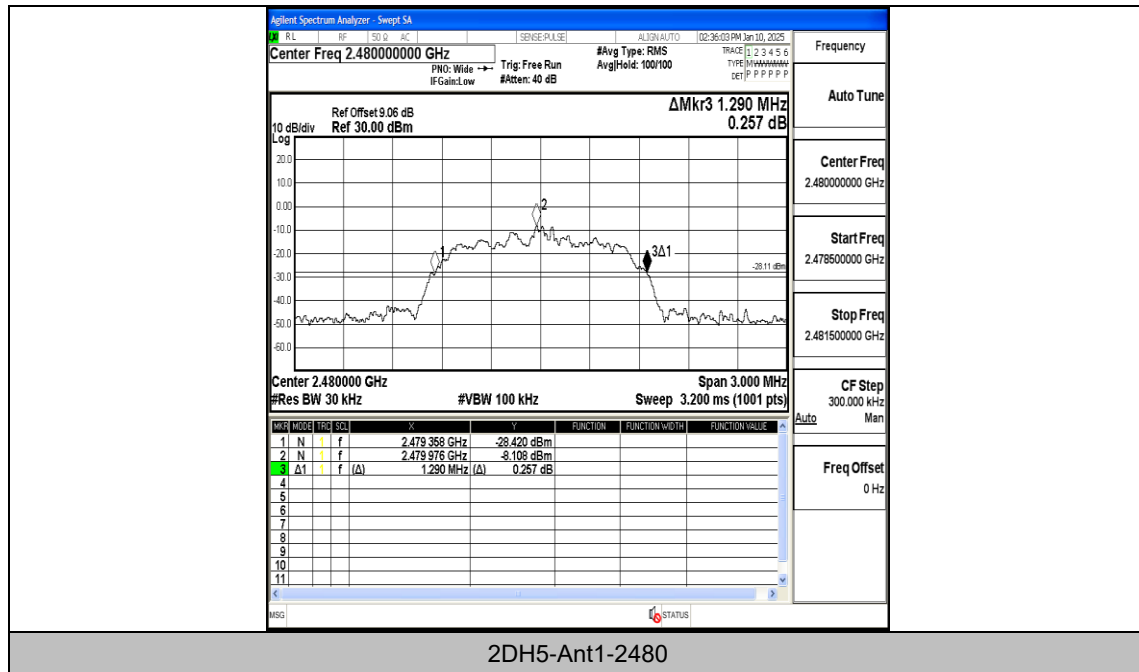
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

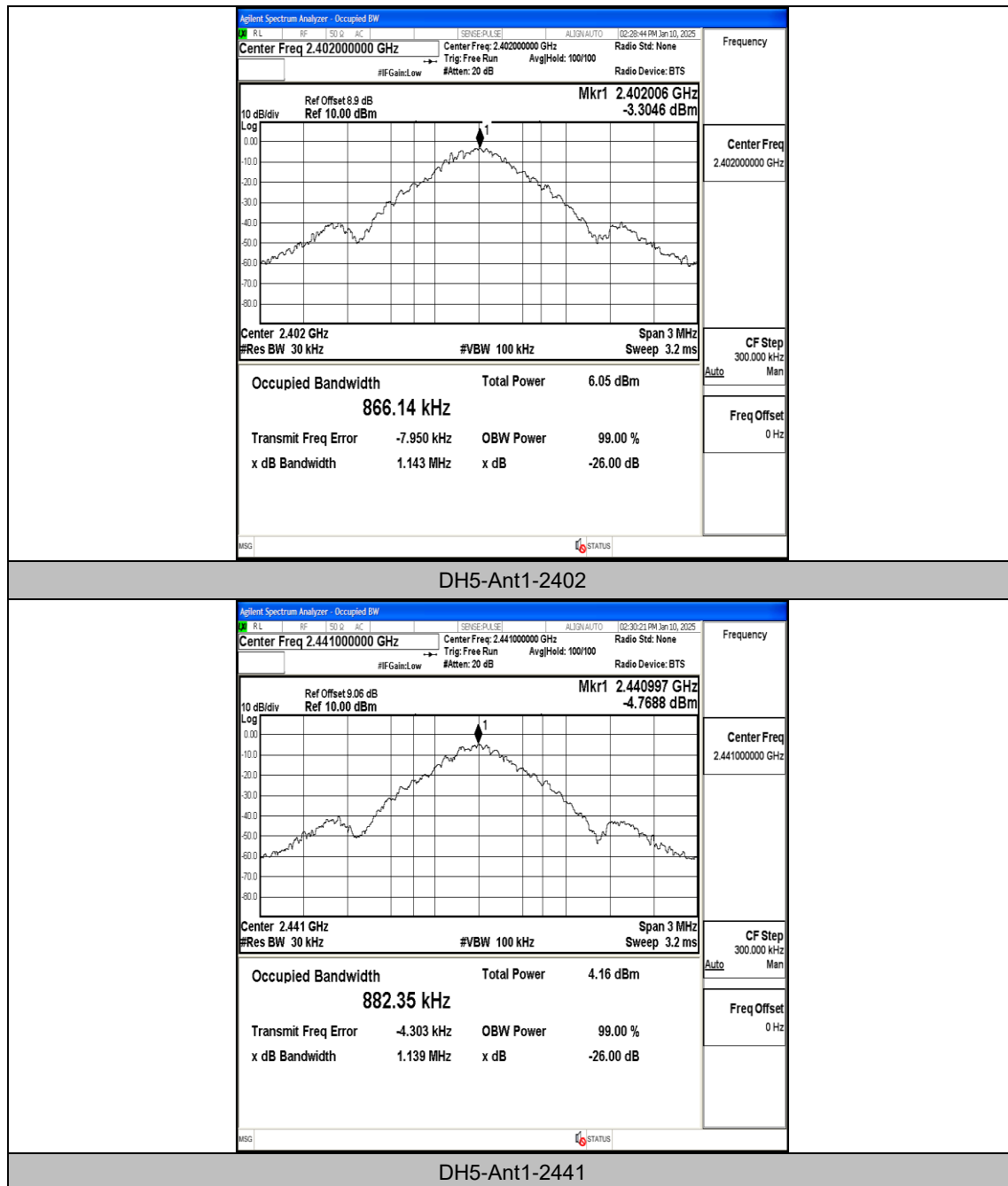


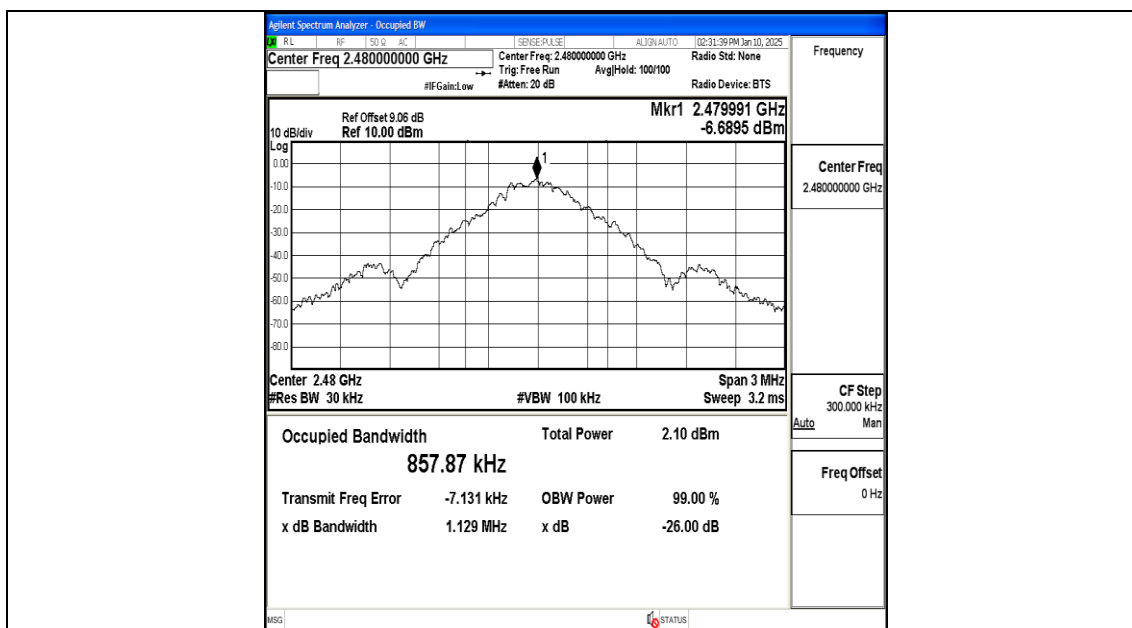
Appendix B: Occupied Channel Bandwidth

Test Result

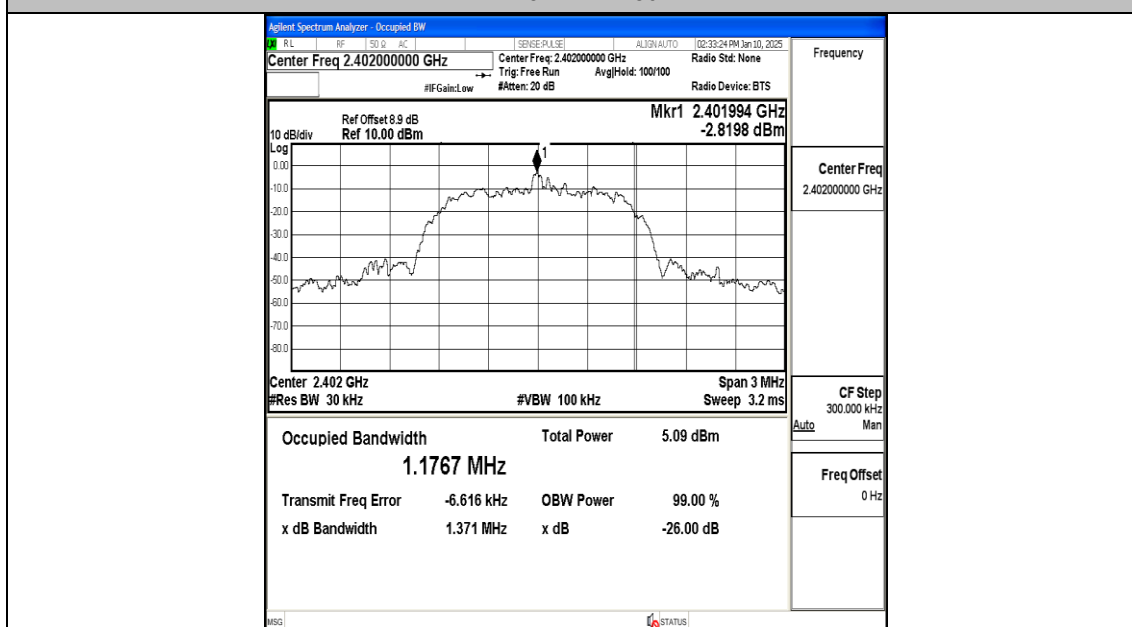
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.86614	2401.5590	2402.4251	---	---
DH5	Ant1	2441	0.88235	2440.5545	2441.4369	---	---
DH5	Ant1	2480	0.85787	2479.5639	2480.4218	---	---
2DH5	Ant1	2402	1.1767	2401.4050	2402.5817	---	---
2DH5	Ant1	2441	1.1727	2440.4071	2441.5798	---	---
2DH5	Ant1	2480	1.1789	2479.4027	2480.5816	---	---

Test Graphs

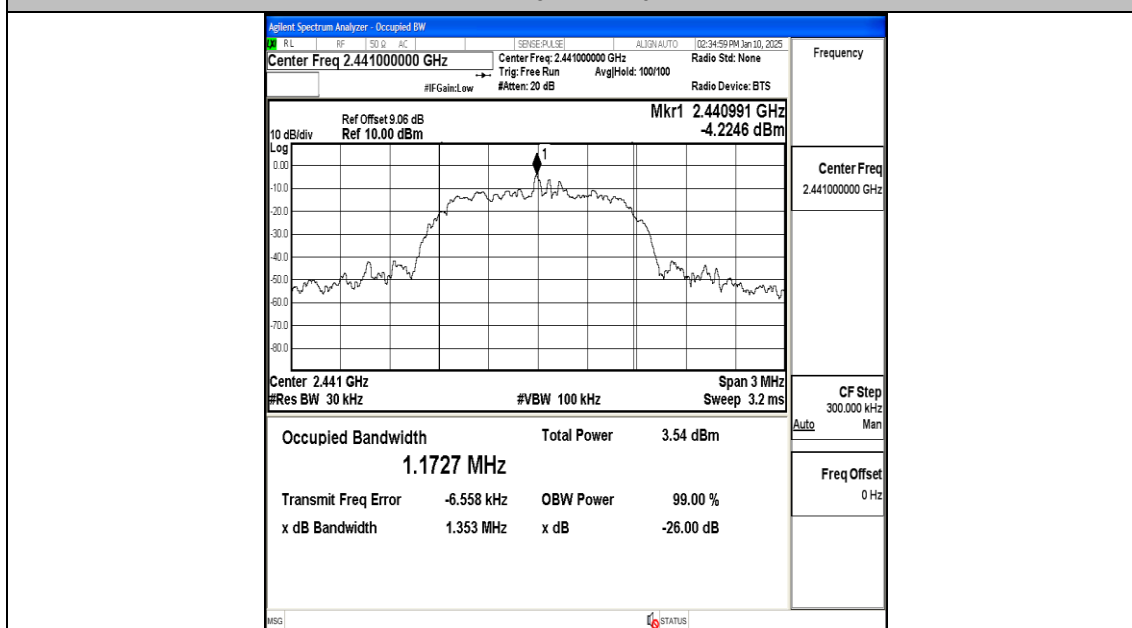




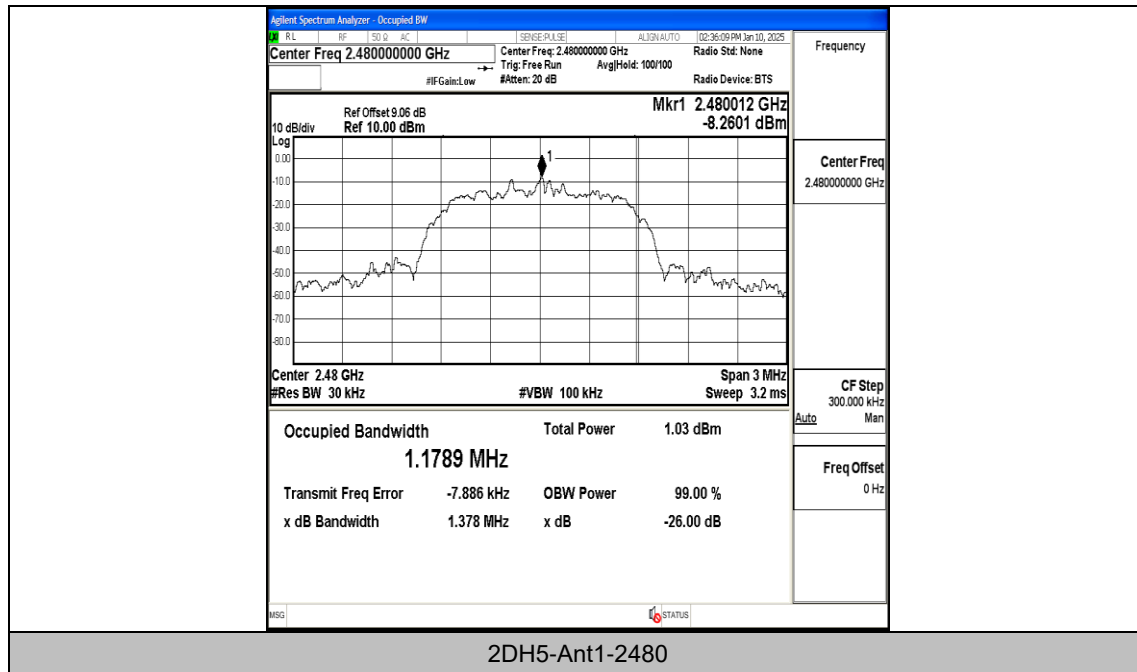
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

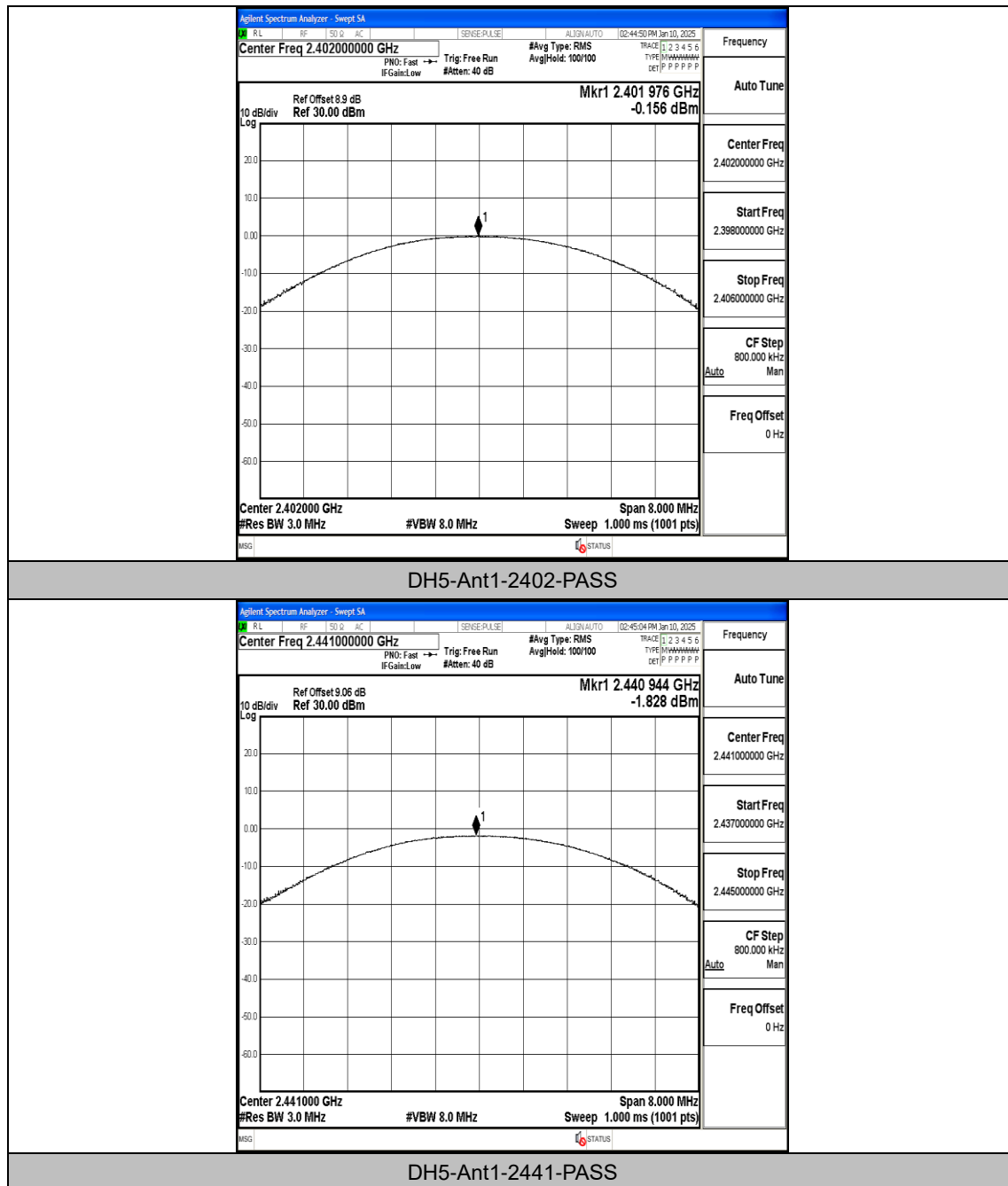


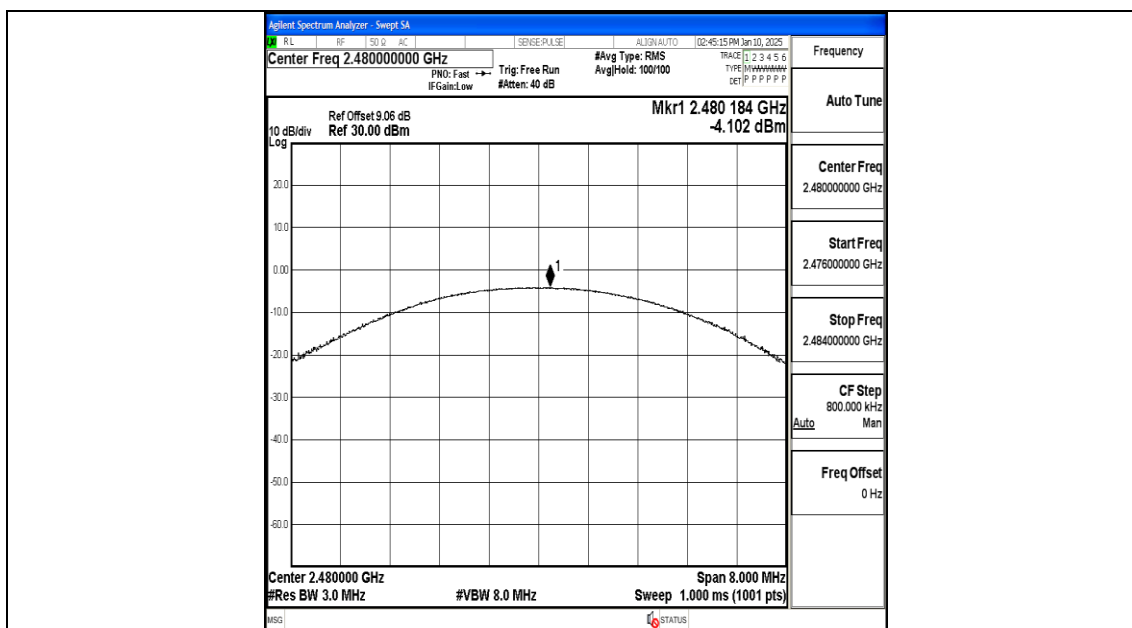
Appendix C: Maximum peak conducted output power

Test Result

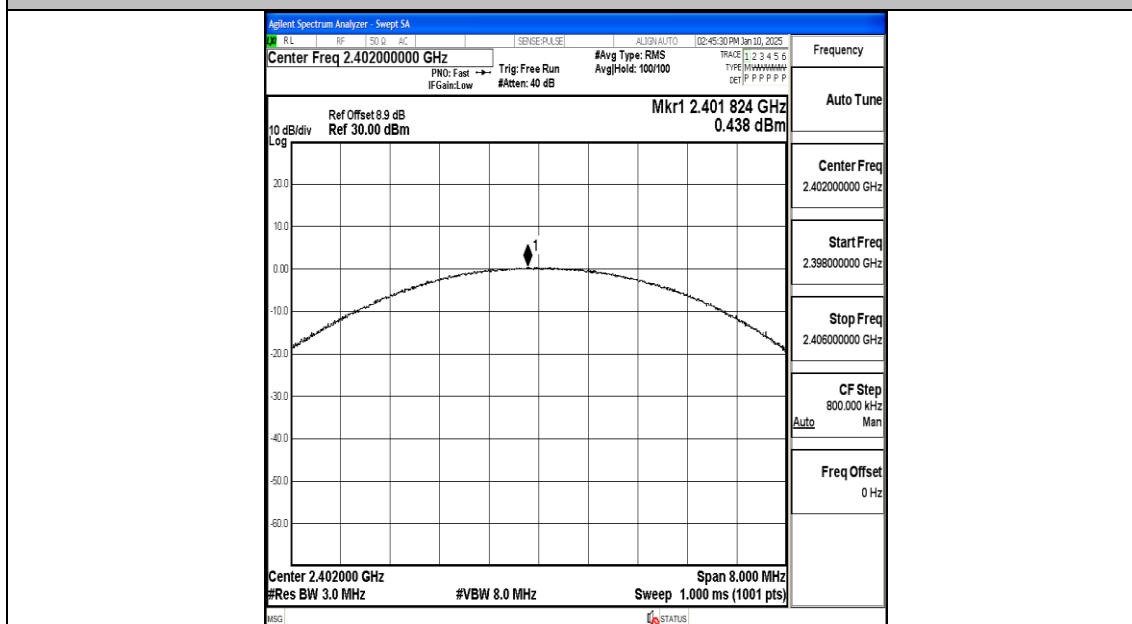
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-0.16	≤30	PASS
DH5	Ant1	2441	-1.83	≤30	PASS
DH5	Ant1	2480	-4.10	≤30	PASS
2DH5	Ant1	2402	0.44	≤20.97	PASS
2DH5	Ant1	2441	-1.23	≤20.97	PASS
2DH5	Ant1	2480	-3.48	≤20.97	PASS

Test Graphs

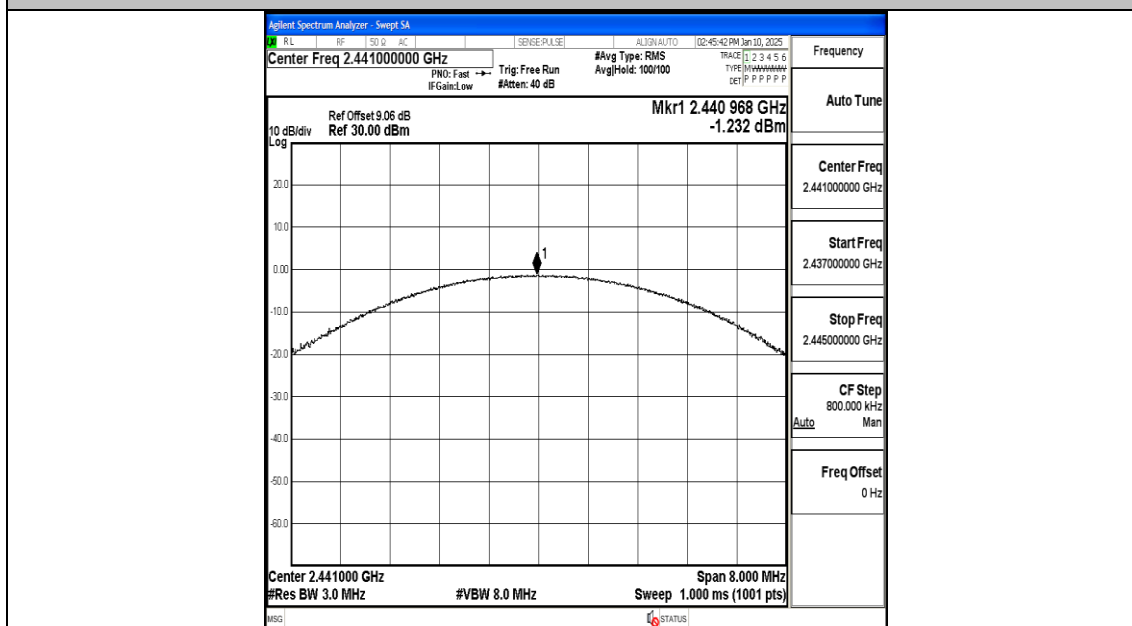




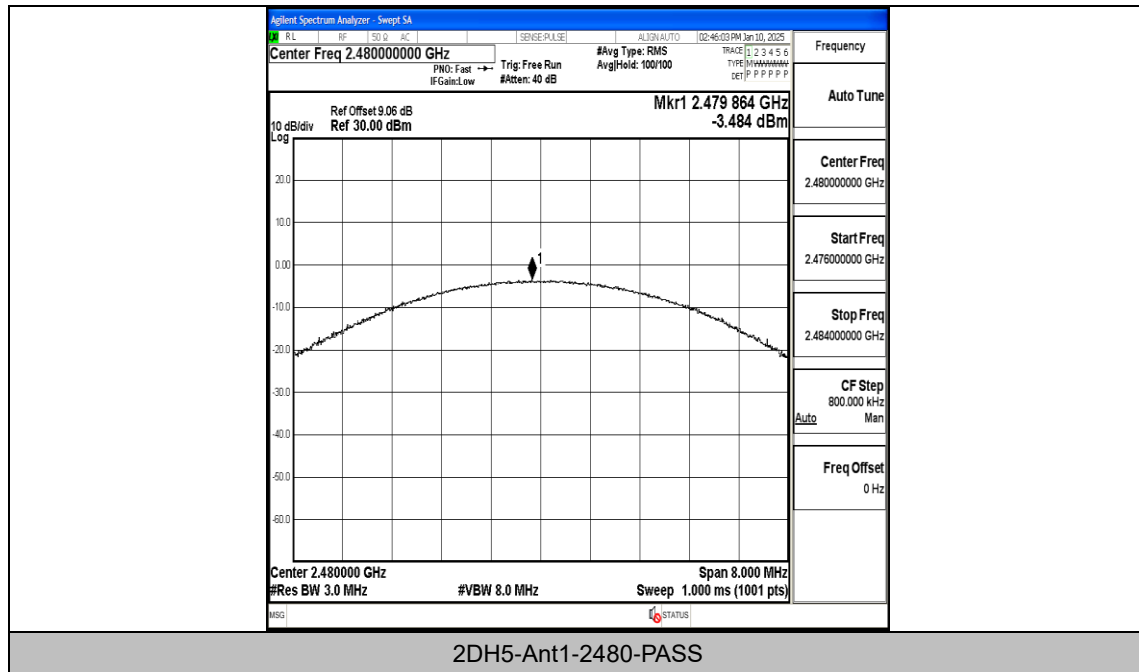
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

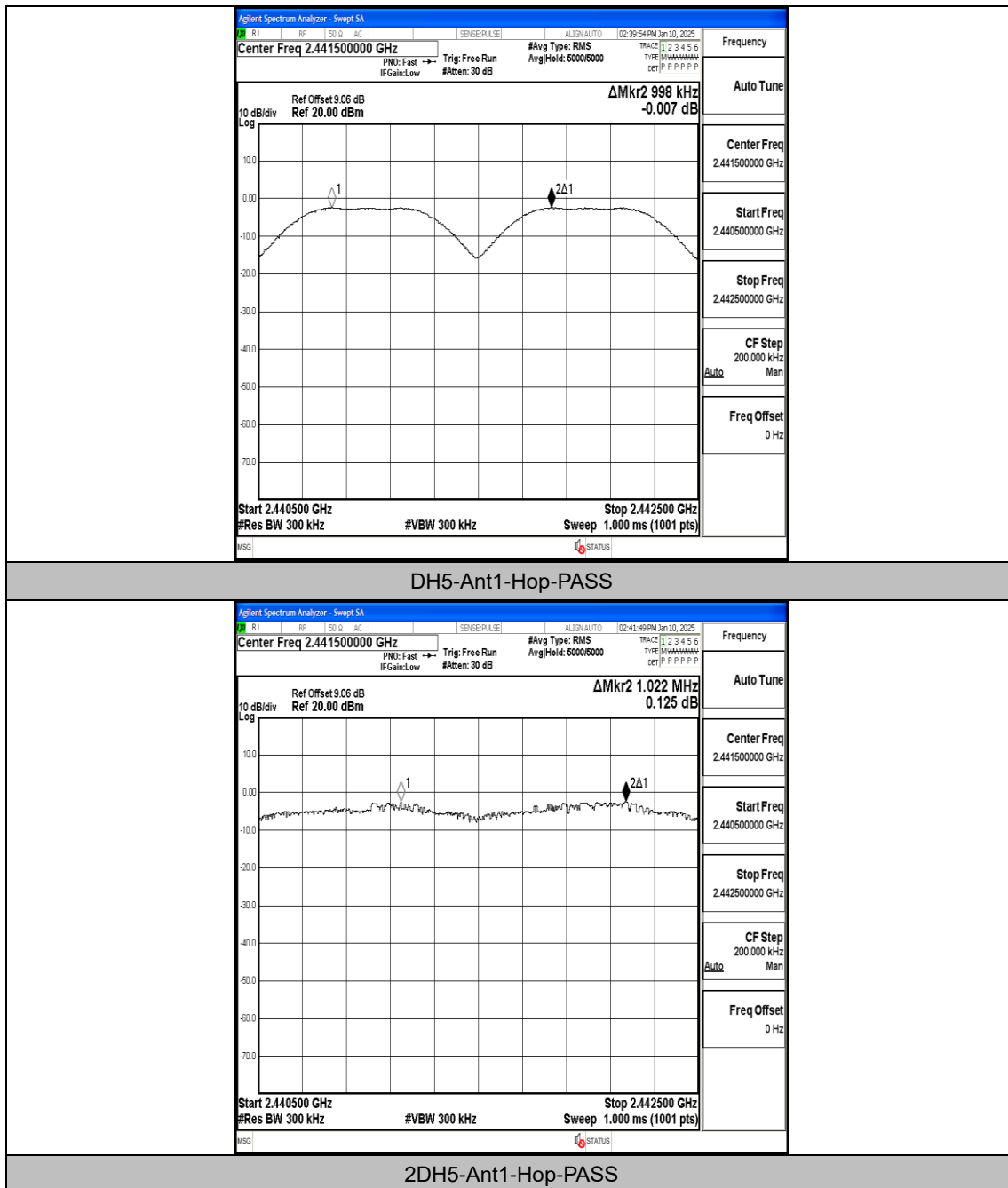


Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.998	≥ 0.960	PASS
2DH5	Ant1	Hop	1.022	≥ 0.860	PASS

Test Graphs

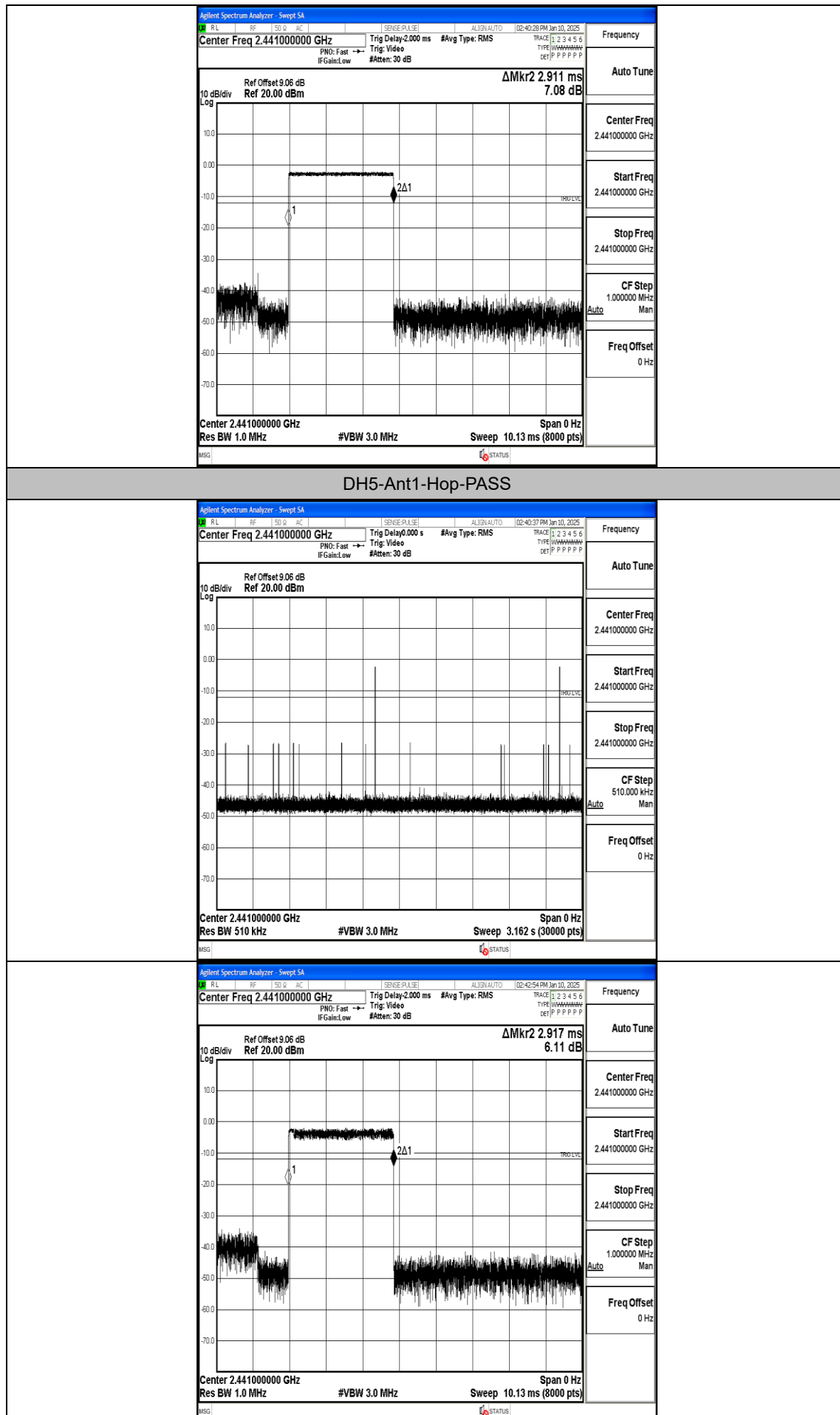


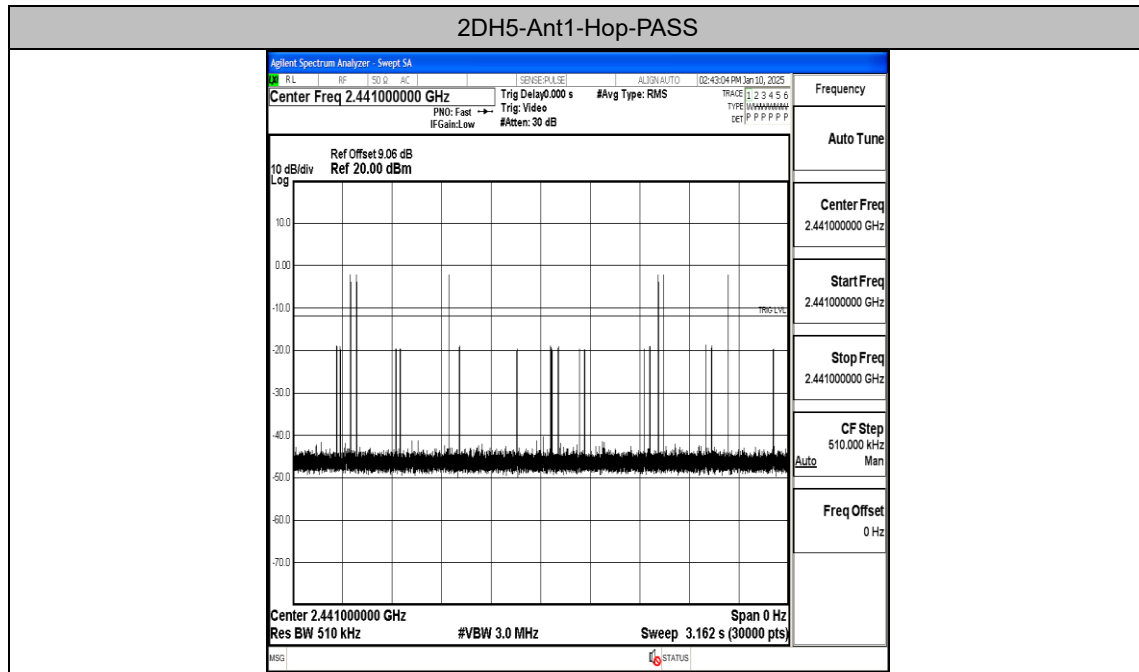
Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.911	30	0.087	≤0.4	PASS
2DH5	Ant1	Hop	2.917	80	0.233	≤0.4	PASS

Test Graphs



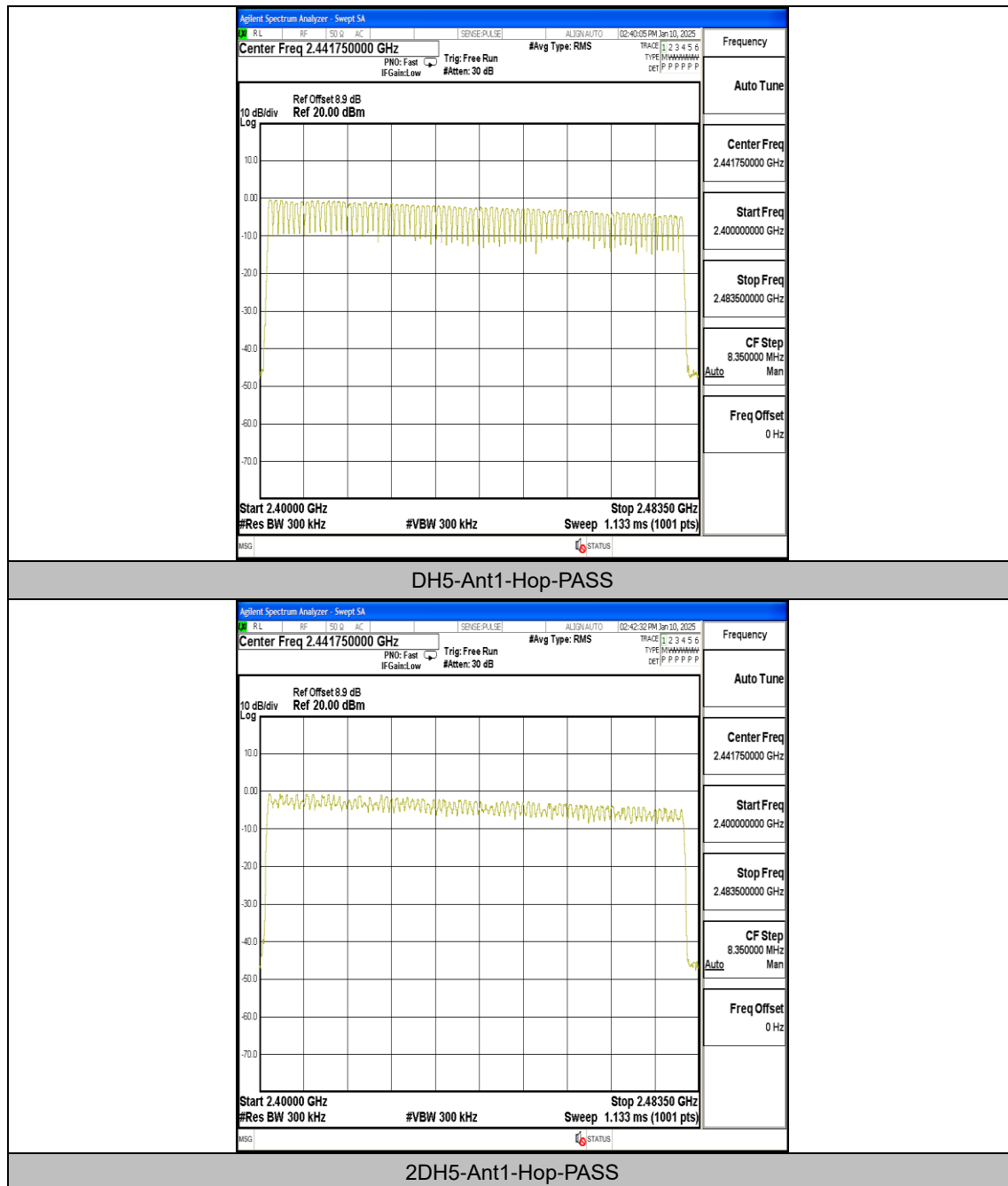


Appendix F: Number of hopping channels

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

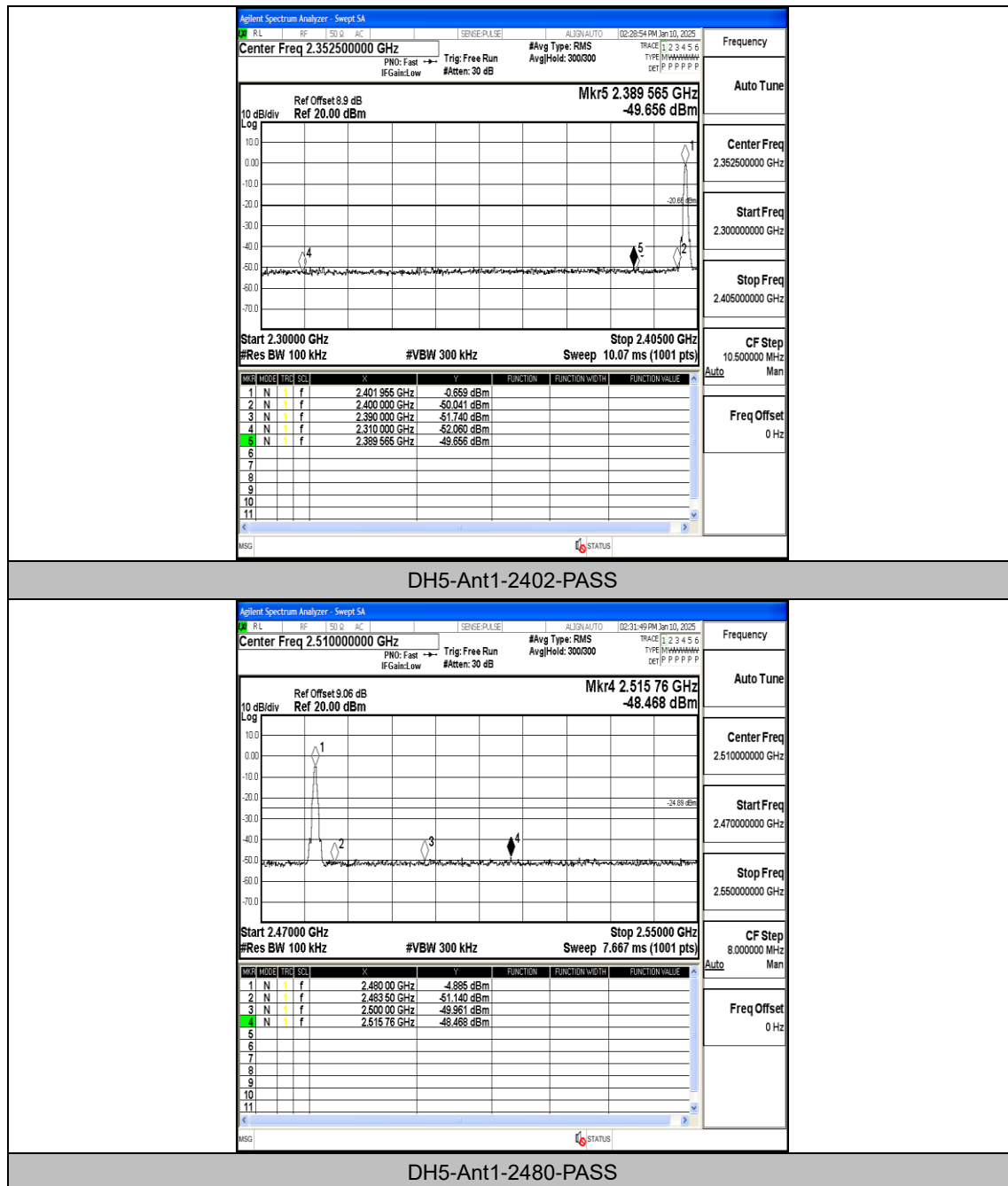


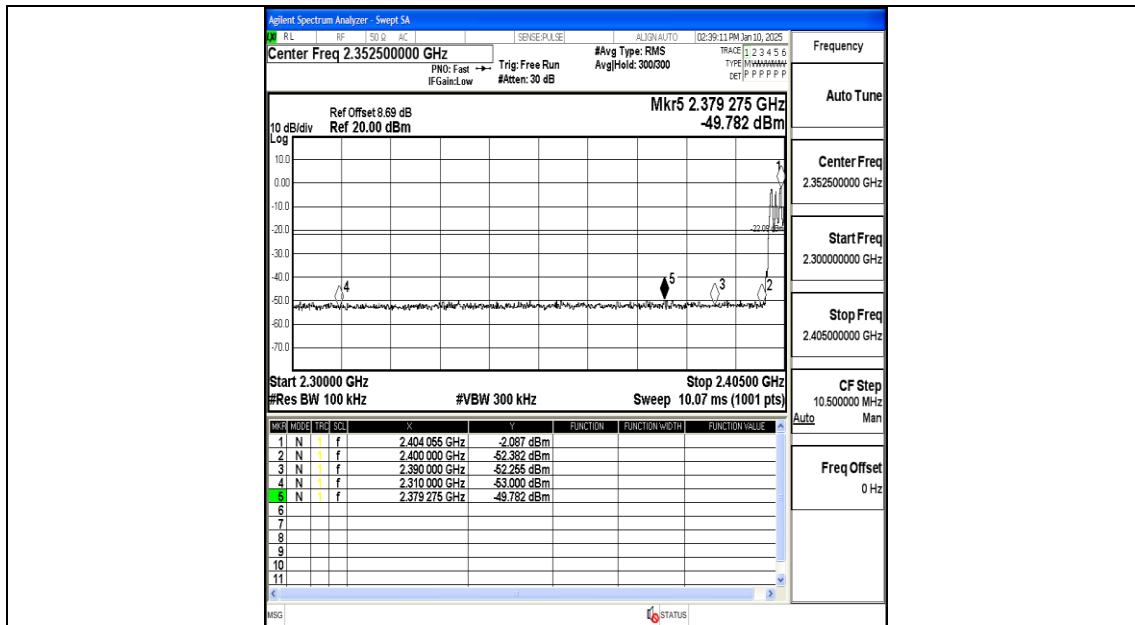
Appendix G: Band edge measurements

Test Result

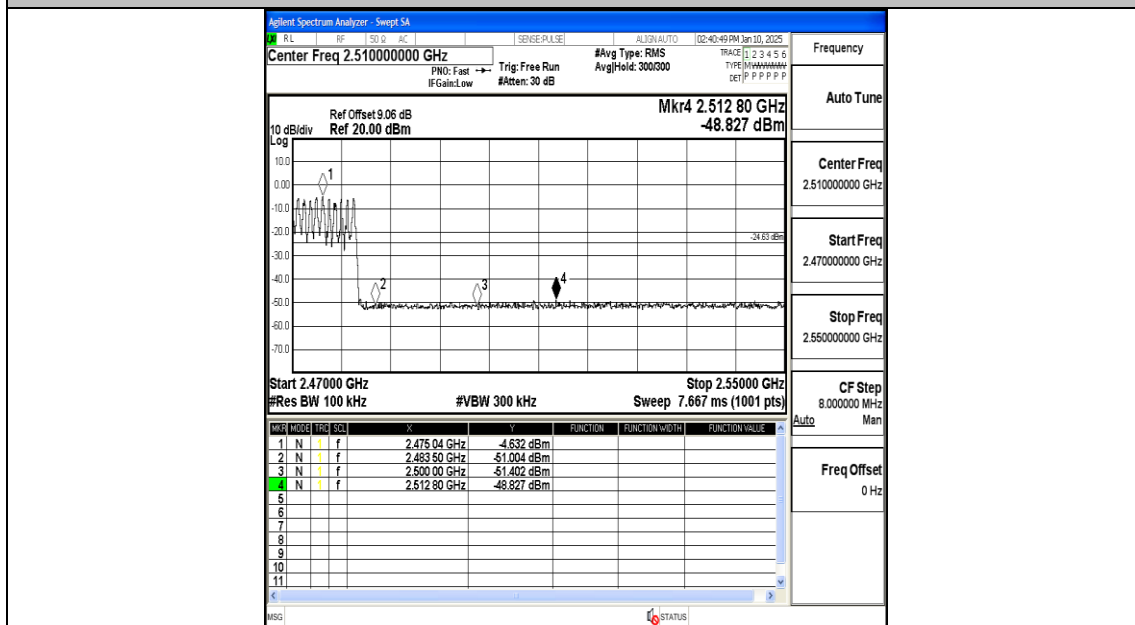
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.66	-49.66	≤ -20.66	PASS
DH5	Ant1	High	2480	-4.89	-48.47	≤ -24.89	PASS
DH5	Ant1	Low	Hop_2402	-2.09	-49.78	≤ -22.09	PASS
DH5	Ant1	High	Hop_2480	-4.63	-48.83	≤ -24.63	PASS
2DH5	Ant1	Low	2402	-1.05	-48.85	≤ -21.05	PASS
2DH5	Ant1	High	2480	-5.11	-49.38	≤ -25.11	PASS
2DH5	Ant1	Low	Hop_2402	-1.84	-49.29	≤ -21.84	PASS
2DH5	Ant1	High	Hop_2480	-6.72	-48.99	≤ -26.72	PASS

Test Graphs

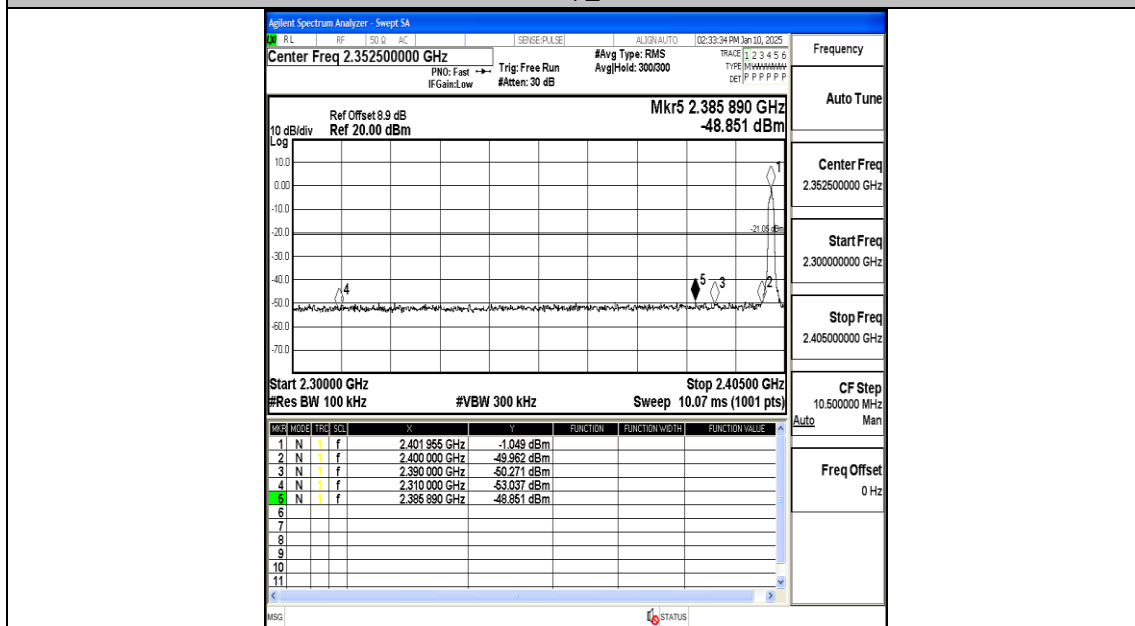




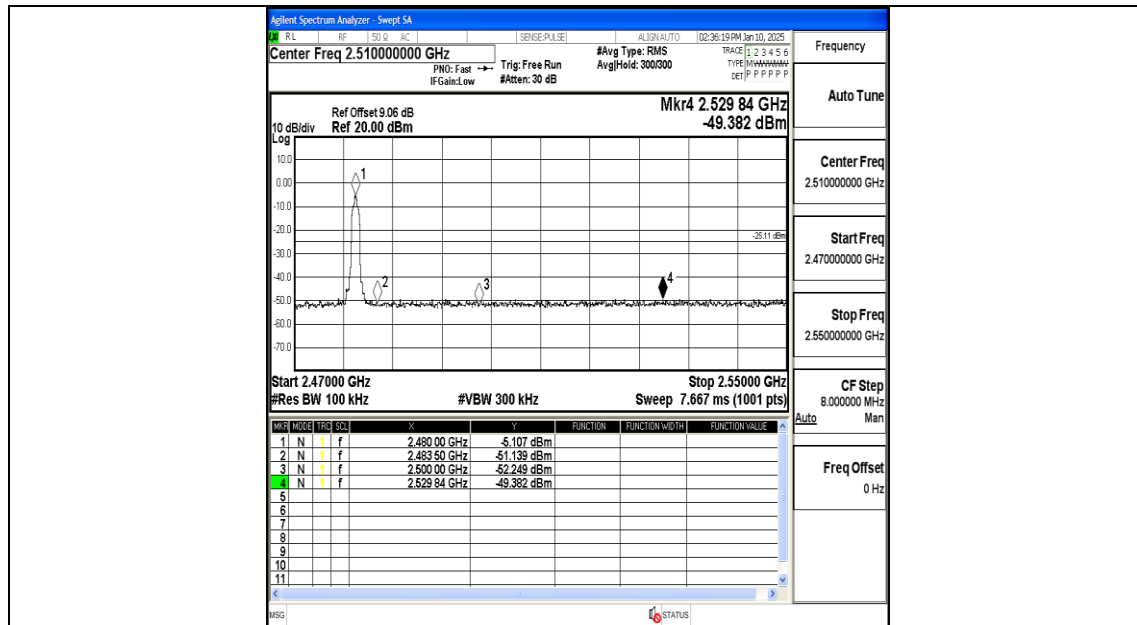
DH5-Ant1-Hop_2402-PASS



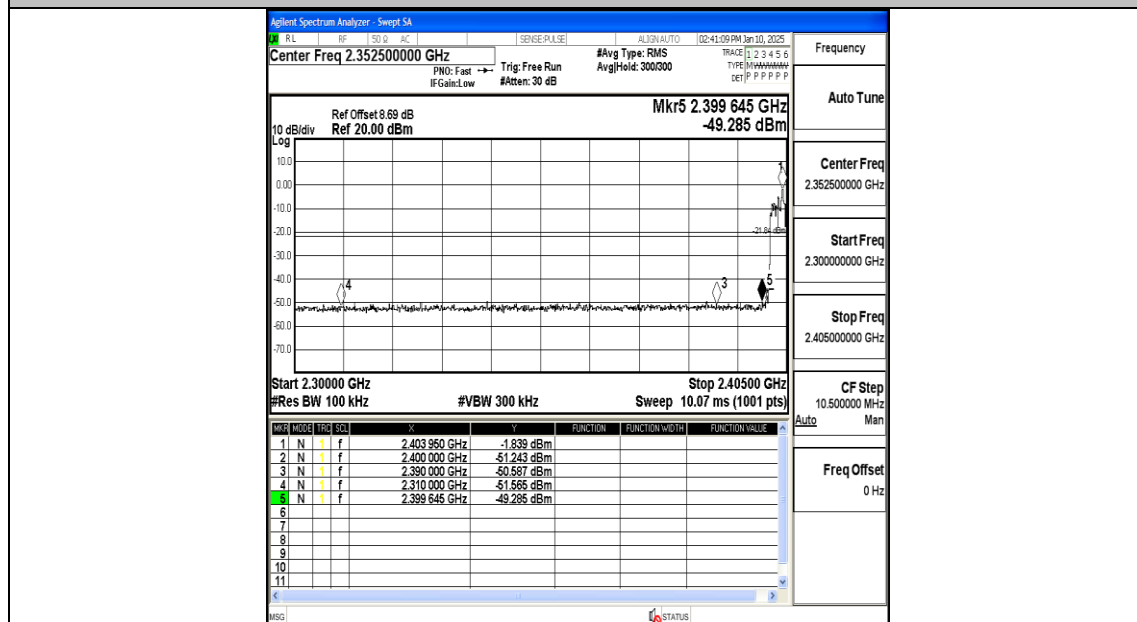
DH5-Ant1-Hop_2480-PASS



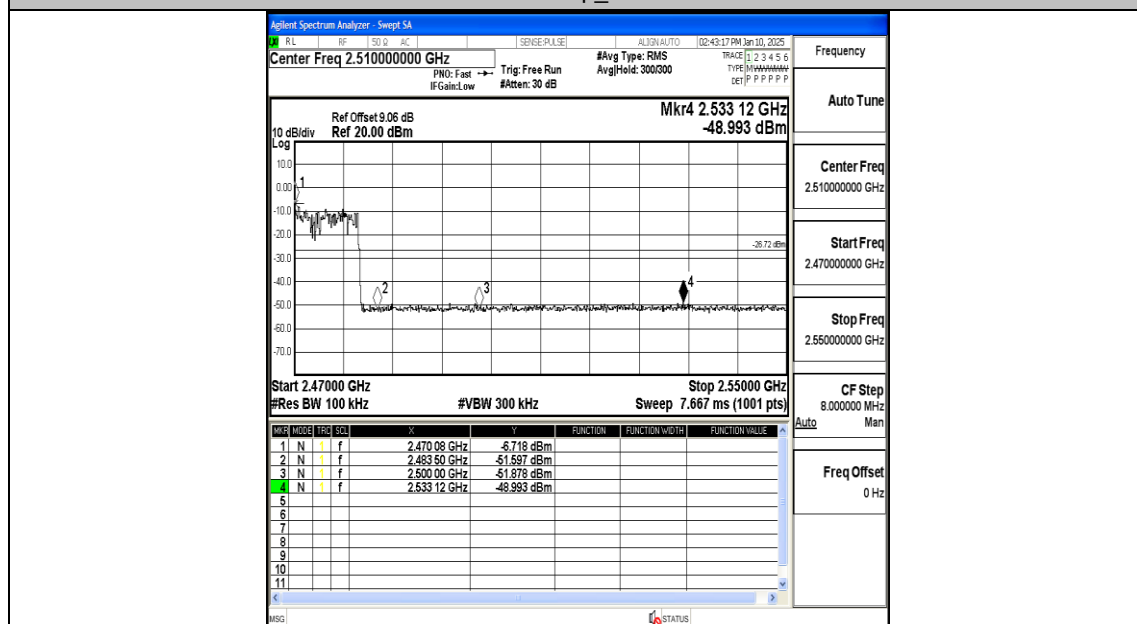
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



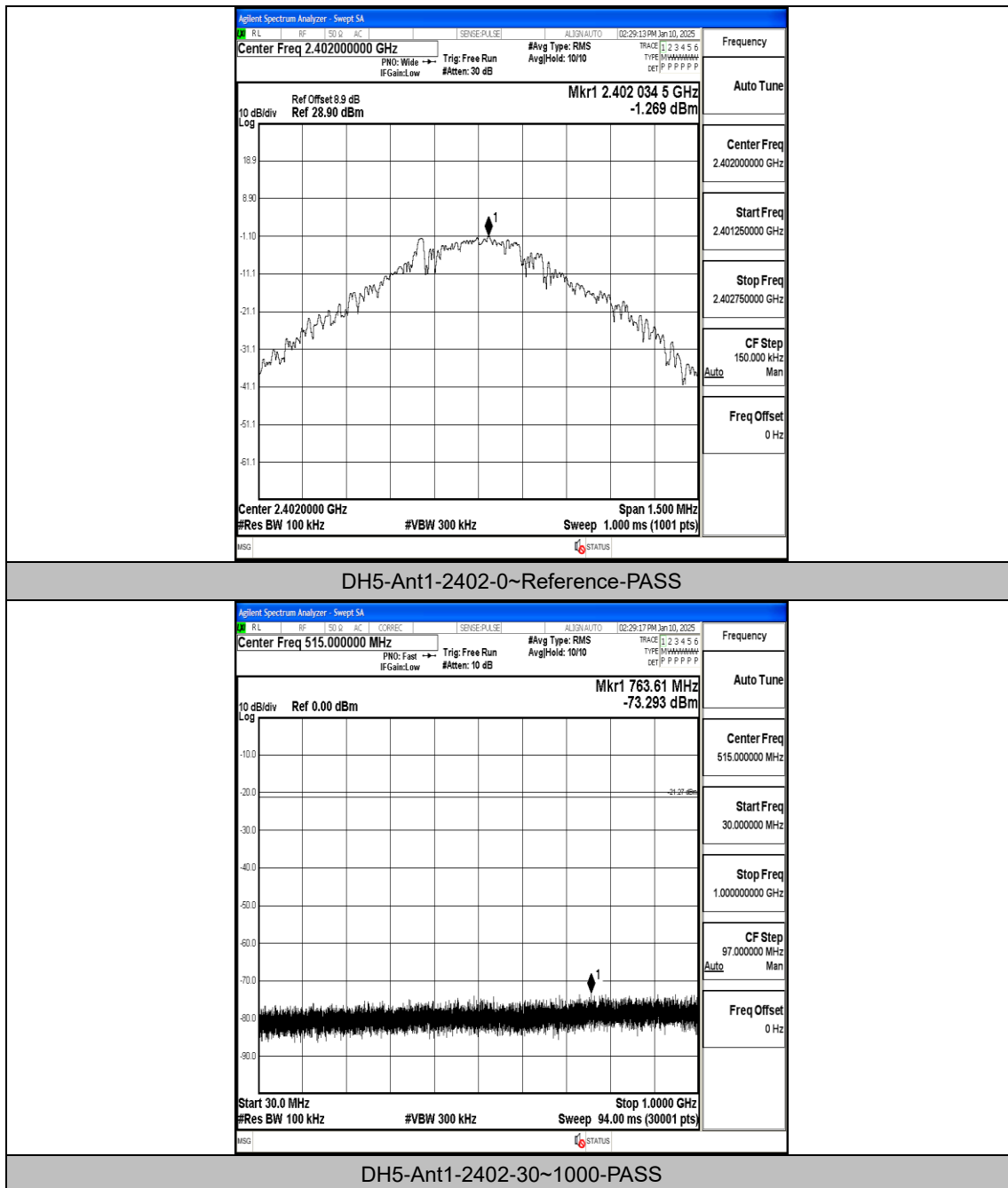
2DH5-Ant1-Hop_2480-PASS

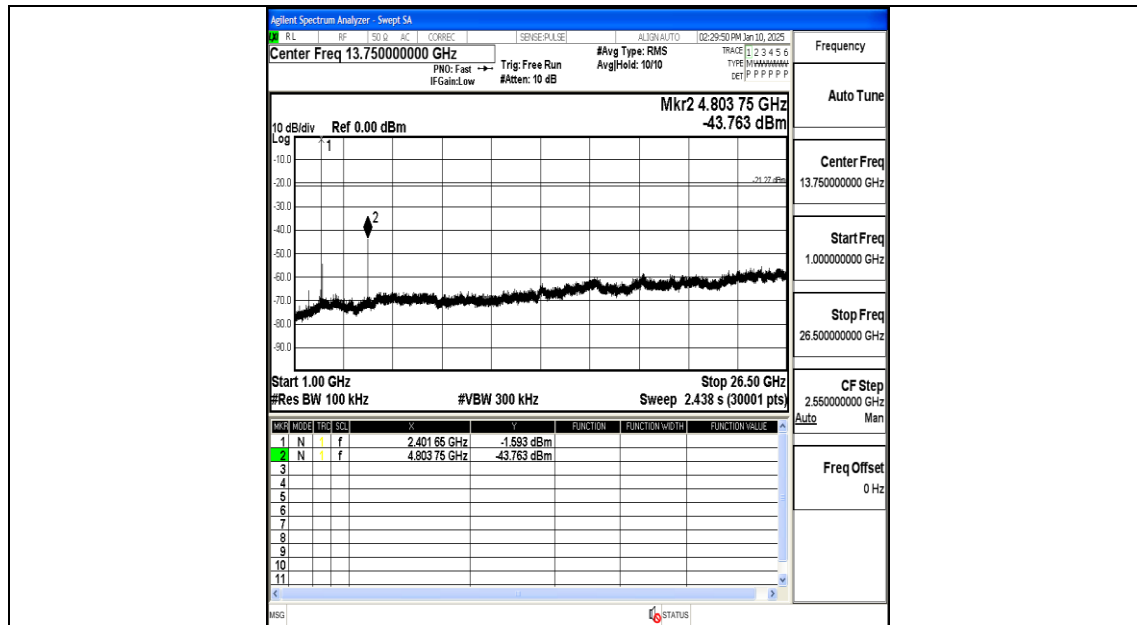
Appendix H: Conducted Spurious Emission

Test Result

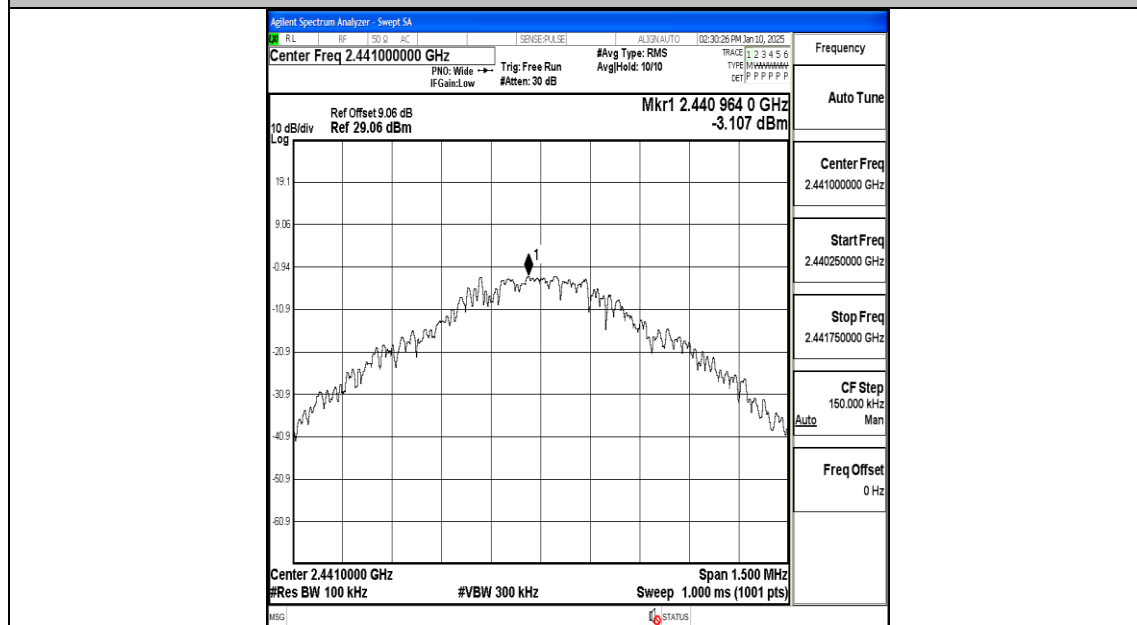
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.27	-1.27	---	PASS
DH5	Ant1	2402	30~1000	-1.27	-73.29	≤-21.27	PASS
DH5	Ant1	2402	1000~26500	-1.27	-43.76	≤-21.27	PASS
DH5	Ant1	2441	0~Reference	-3.11	-3.11	---	PASS
DH5	Ant1	2441	30~1000	-3.11	-73.42	≤-23.11	PASS
DH5	Ant1	2441	1000~26500	-3.11	-42.57	≤-23.11	PASS
DH5	Ant1	2480	0~Reference	-5.59	-5.59	---	PASS
DH5	Ant1	2480	30~1000	-5.59	-72.07	≤-25.59	PASS
DH5	Ant1	2480	1000~26500	-5.59	-44.74	≤-25.59	PASS
2DH5	Ant1	2402	0~Reference	-5.25	-5.25	---	PASS
2DH5	Ant1	2402	30~1000	-5.25	-72.92	≤-25.25	PASS
2DH5	Ant1	2402	1000~26500	-5.25	-47.27	≤-25.25	PASS
2DH5	Ant1	2441	0~Reference	-3.16	-3.16	---	PASS
2DH5	Ant1	2441	30~1000	-3.16	-72.79	≤-23.16	PASS
2DH5	Ant1	2441	1000~26500	-3.16	-46.65	≤-23.16	PASS
2DH5	Ant1	2480	0~Reference	-5.76	-5.76	---	PASS
2DH5	Ant1	2480	30~1000	-5.76	-73.02	≤-25.76	PASS
2DH5	Ant1	2480	1000~26500	-5.76	-45.03	≤-25.76	PASS

Test Graphs

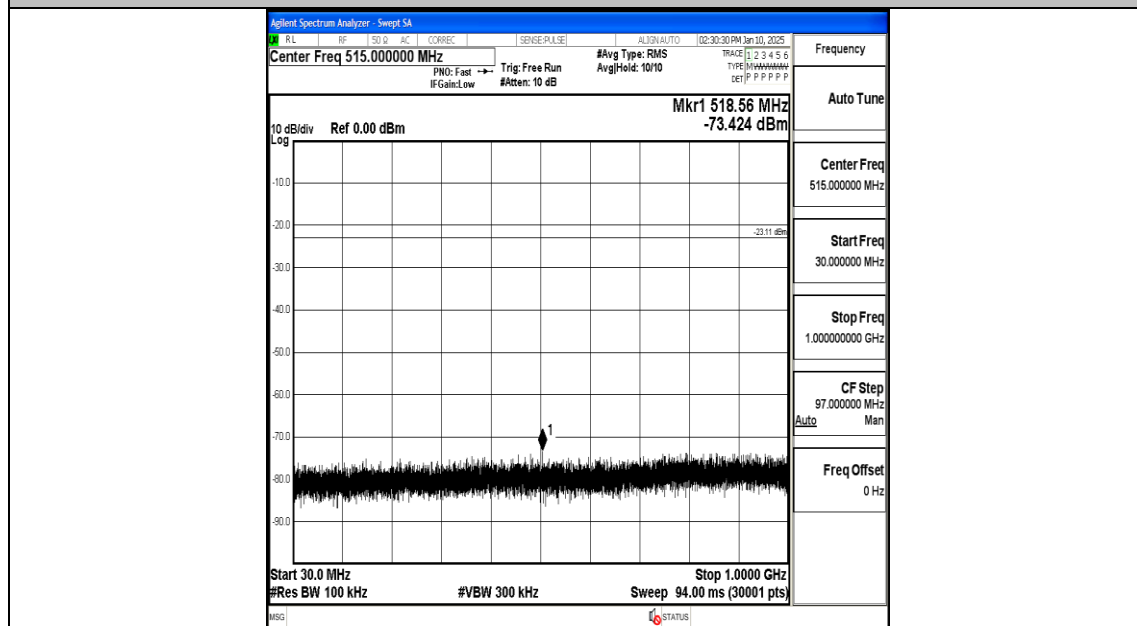




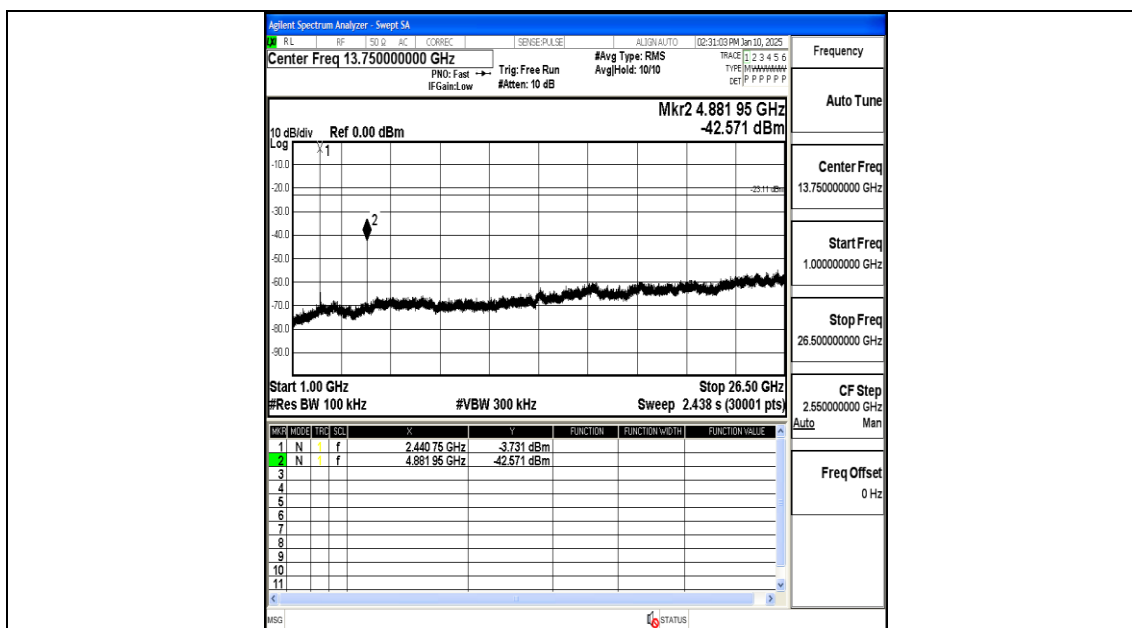
DH5-Ant1-2402-1000~26500-PASS



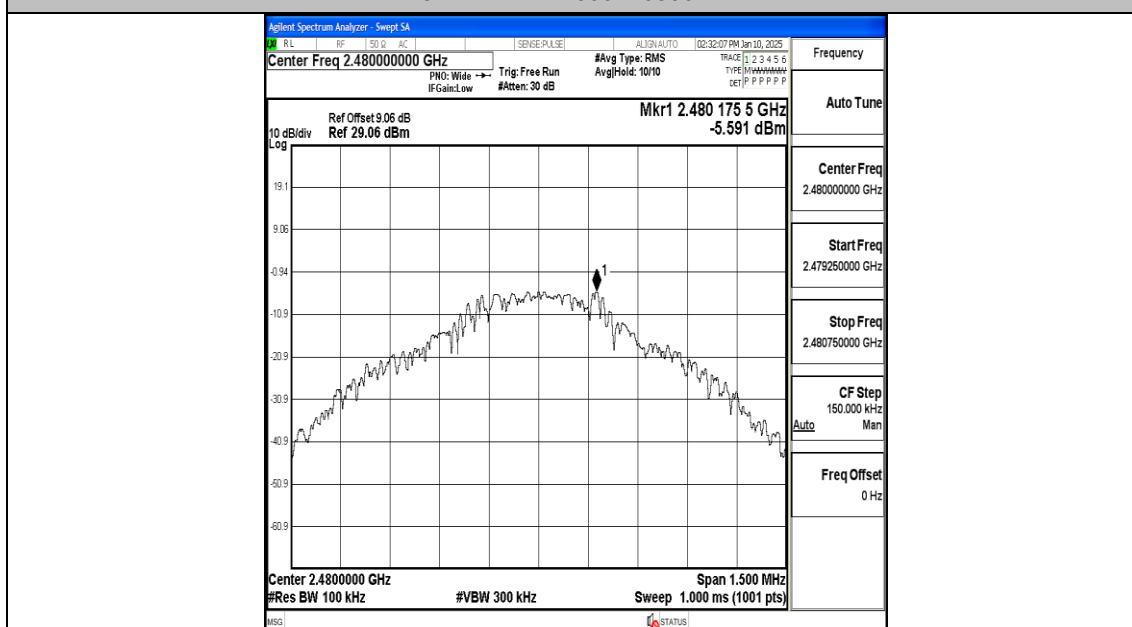
DH5-Ant1-2441-0~Reference-PASS



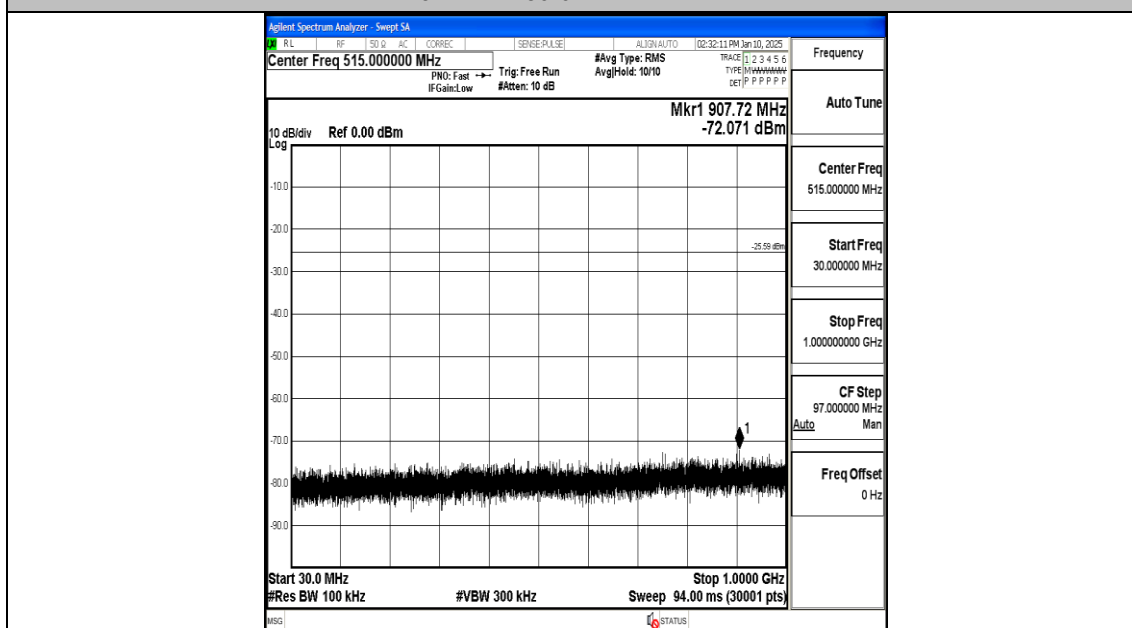
DH5-Ant1-2441-30~1000-PASS



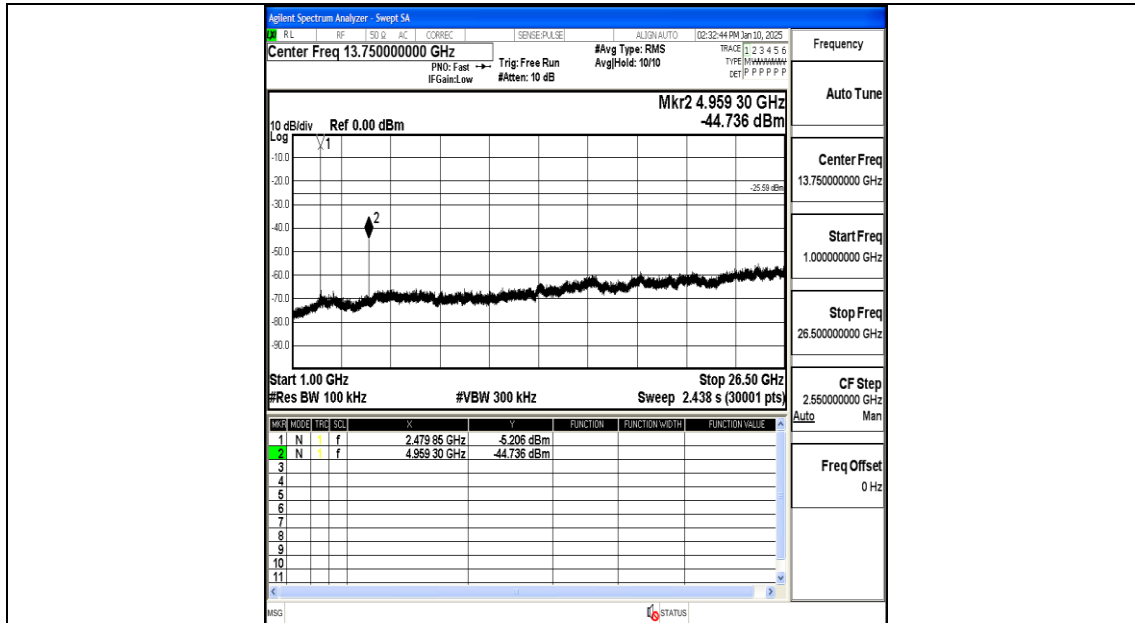
DH5-Ant1-2441-1000~26500-PASS



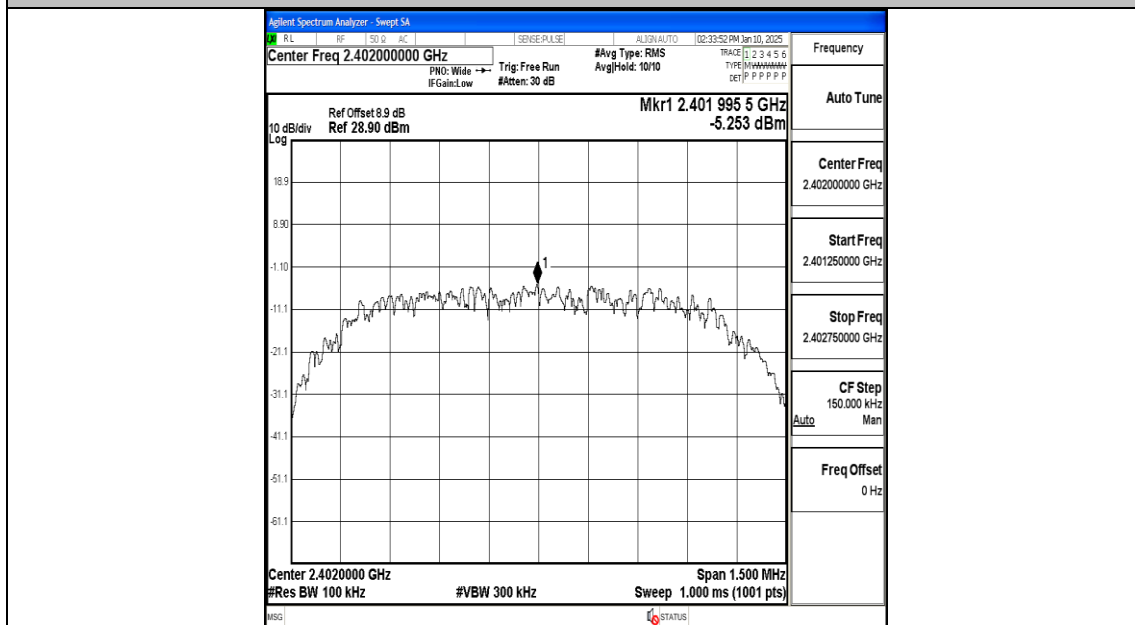
DH5-Ant1-2480-0~Reference-PASS



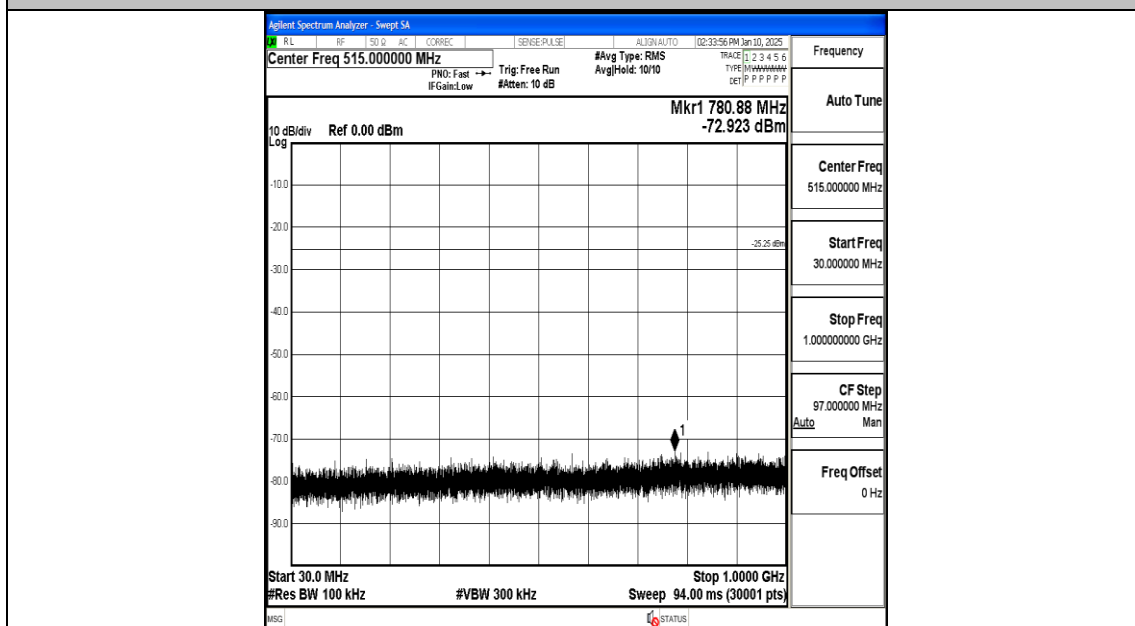
DH5-Ant1-2480-30~1000-PASS



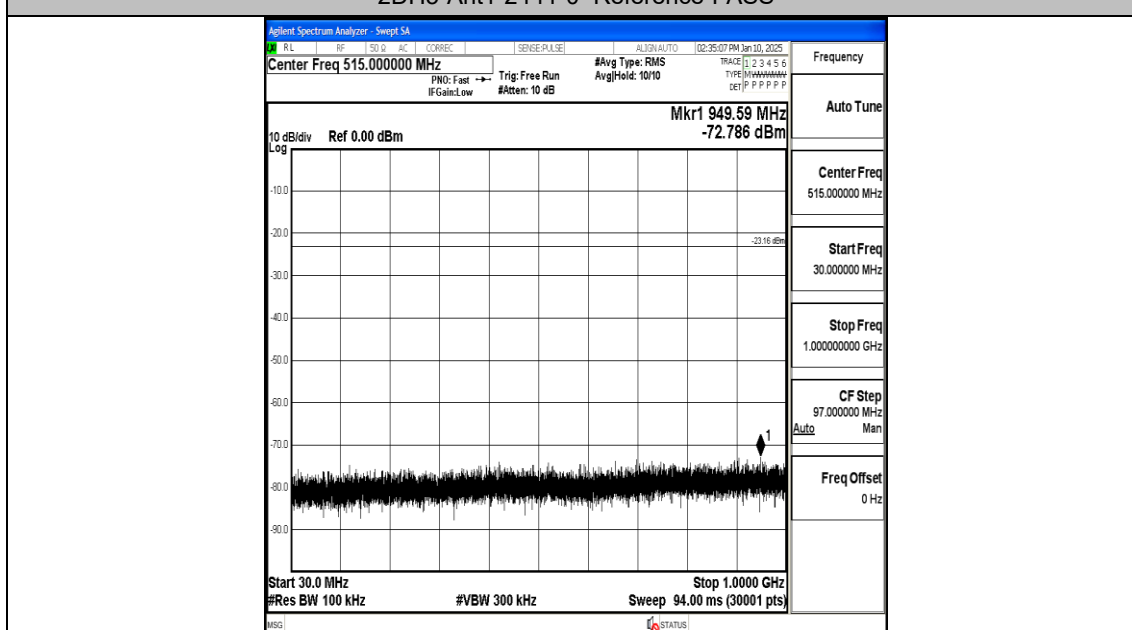
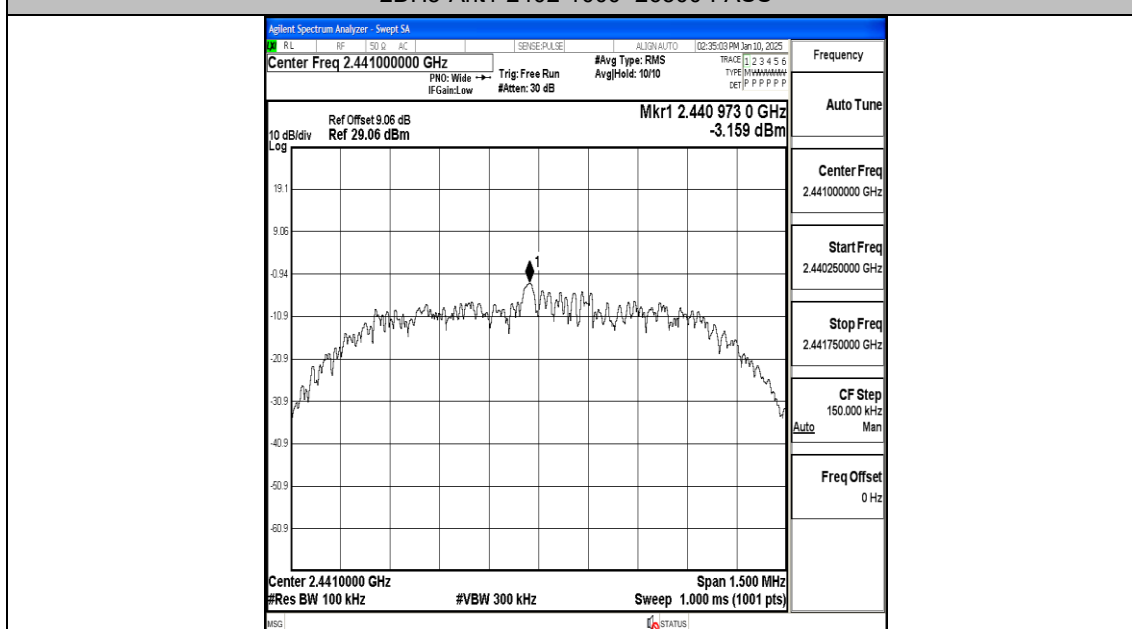
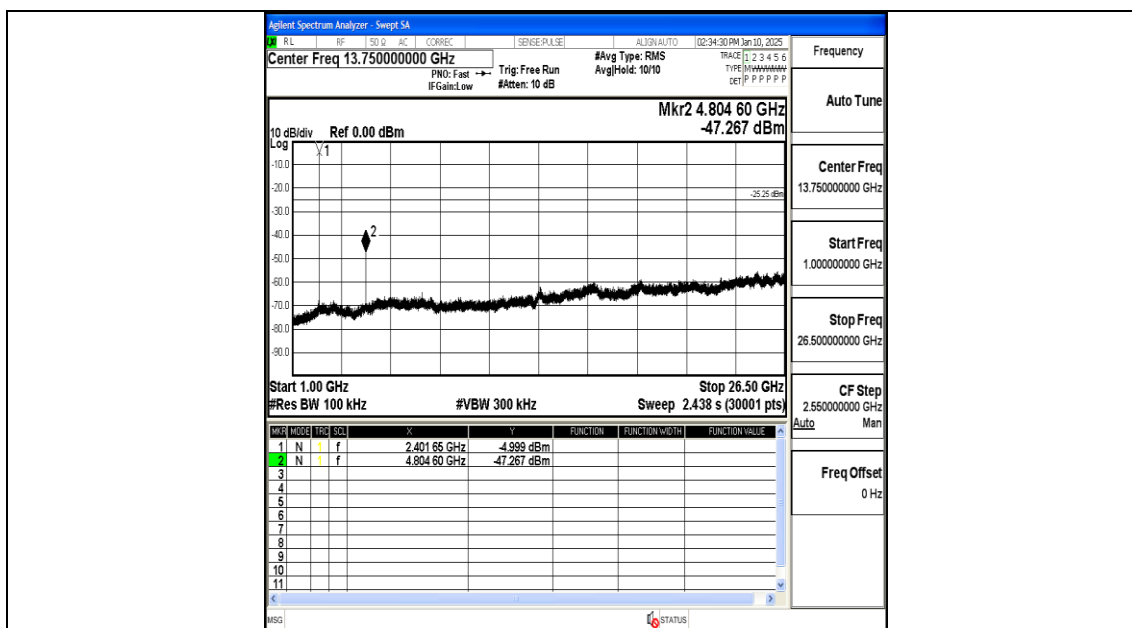
DH5-Ant1-2480-1000~26500-PASS

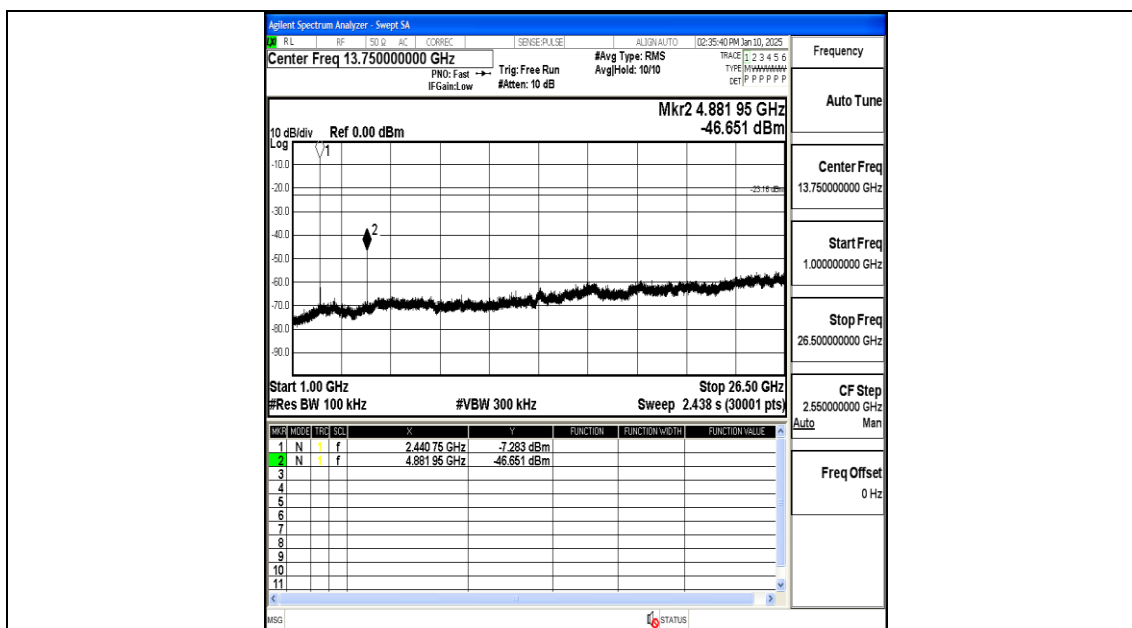


2DH5-Ant1-2402-0~Reference-PASS

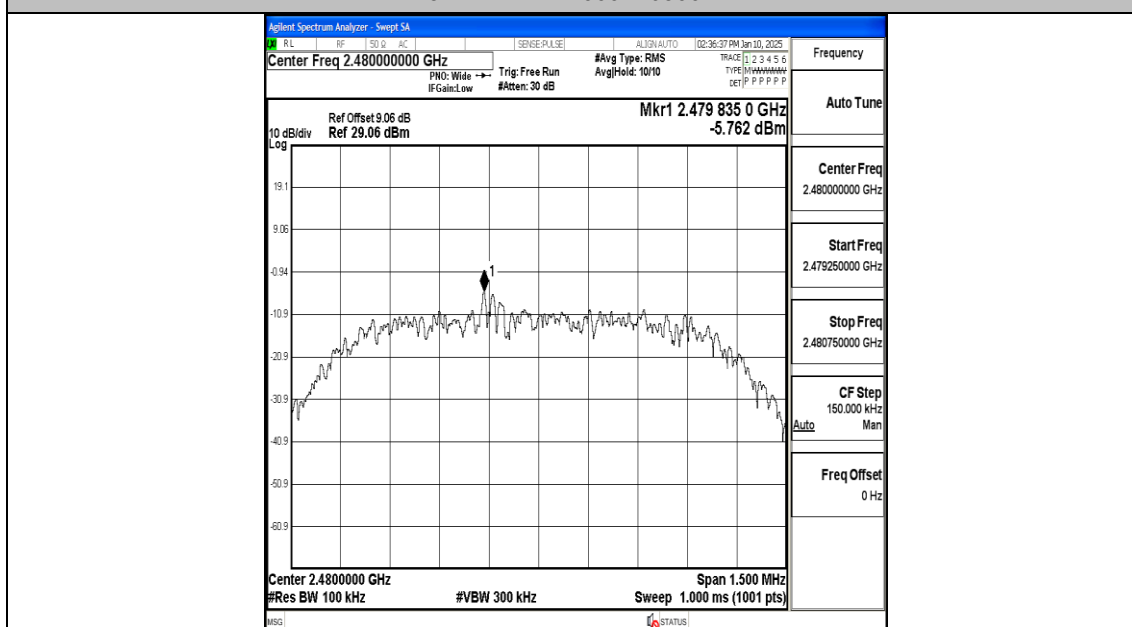


2DH5-Ant1-2402-30~1000-PASS

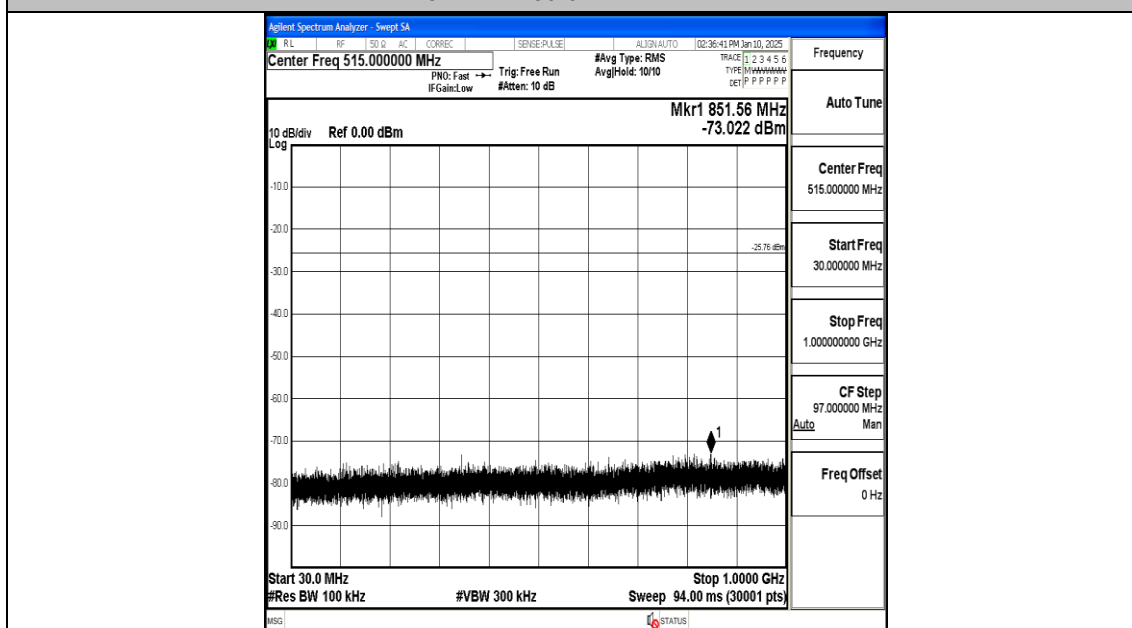




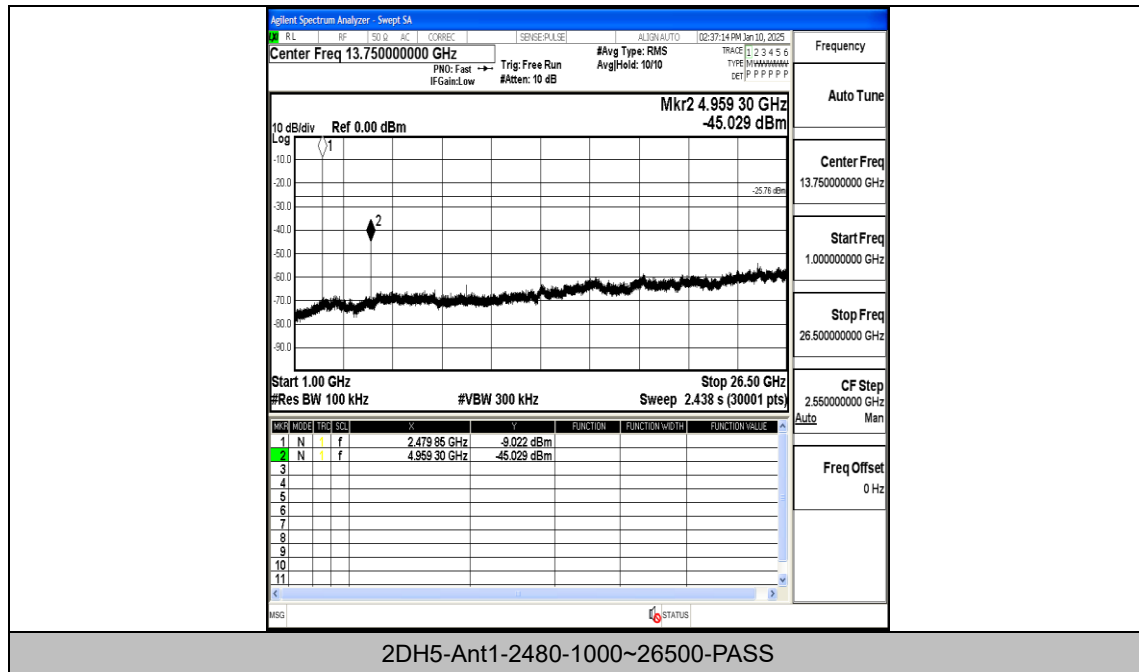
2DH5-Ant1-2441-1000~26500-PASS



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



2DH5-Ant1-2480-30~1000-PASS

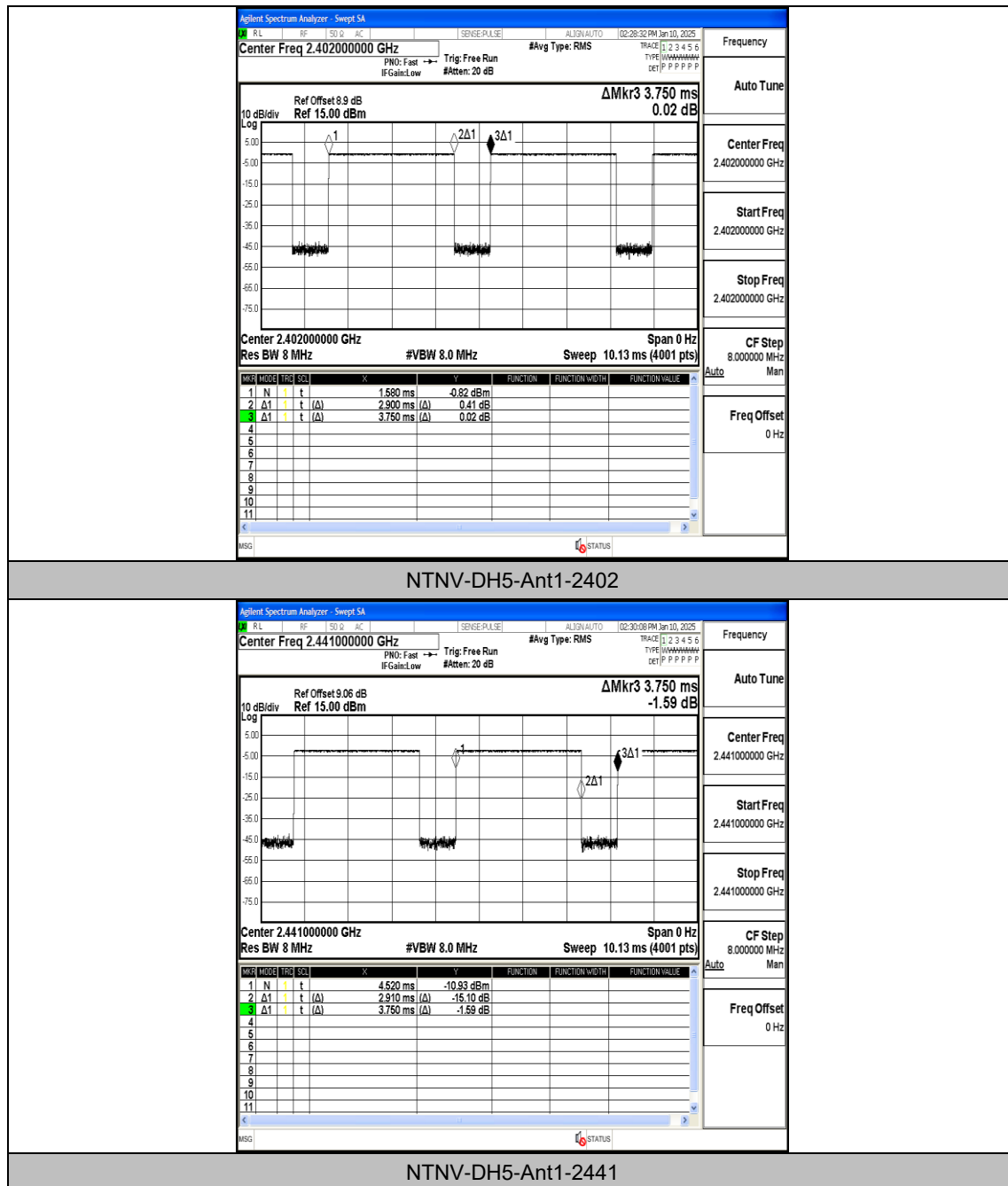


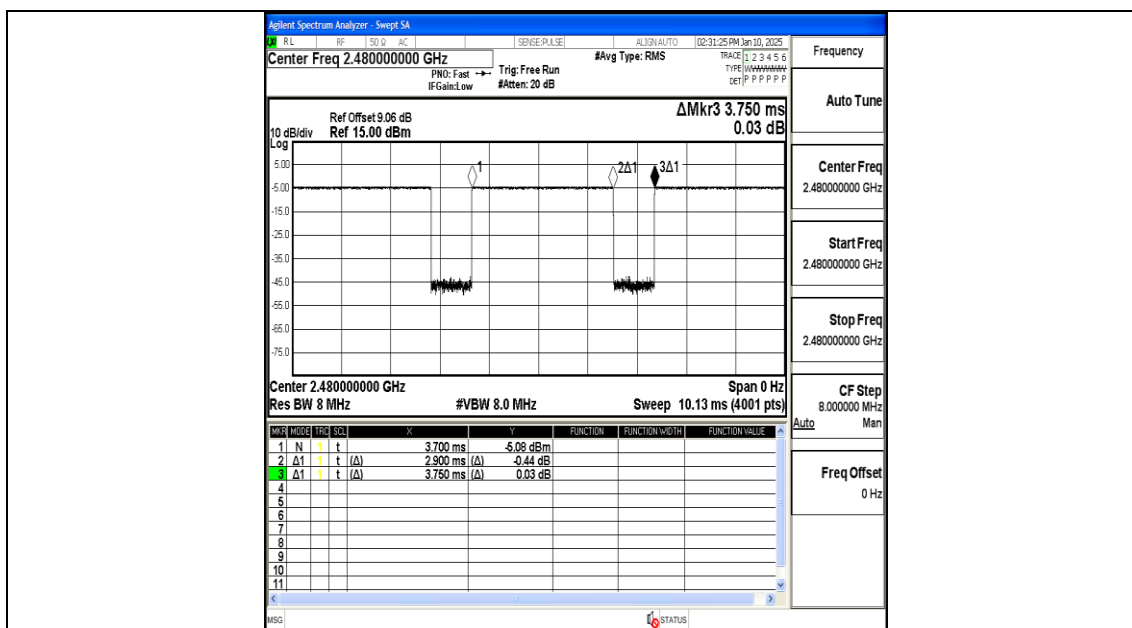
Appendix I: Duty Cycle

Test Result

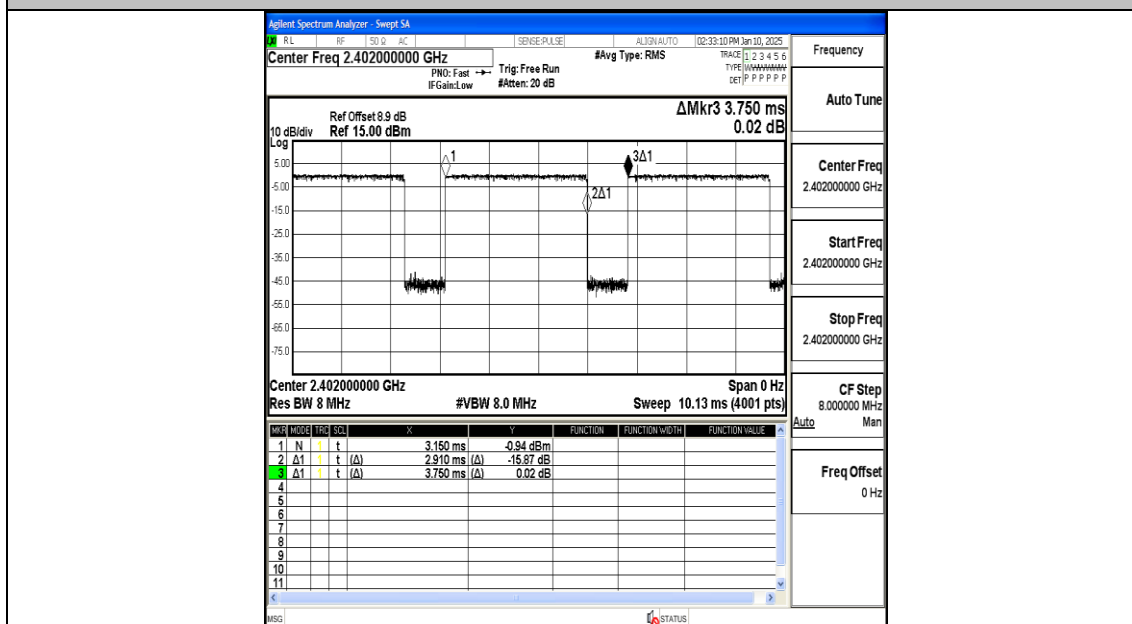
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.90	3.75	77.33	1.12
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.90	3.75	77.33	1.12
2DH5	Ant1	2402	2.91	3.75	77.60	1.10
2DH5	Ant1	2441	2.91	3.75	77.60	1.10
2DH5	Ant1	2480	2.90	3.75	77.33	1.12

Test Graphs

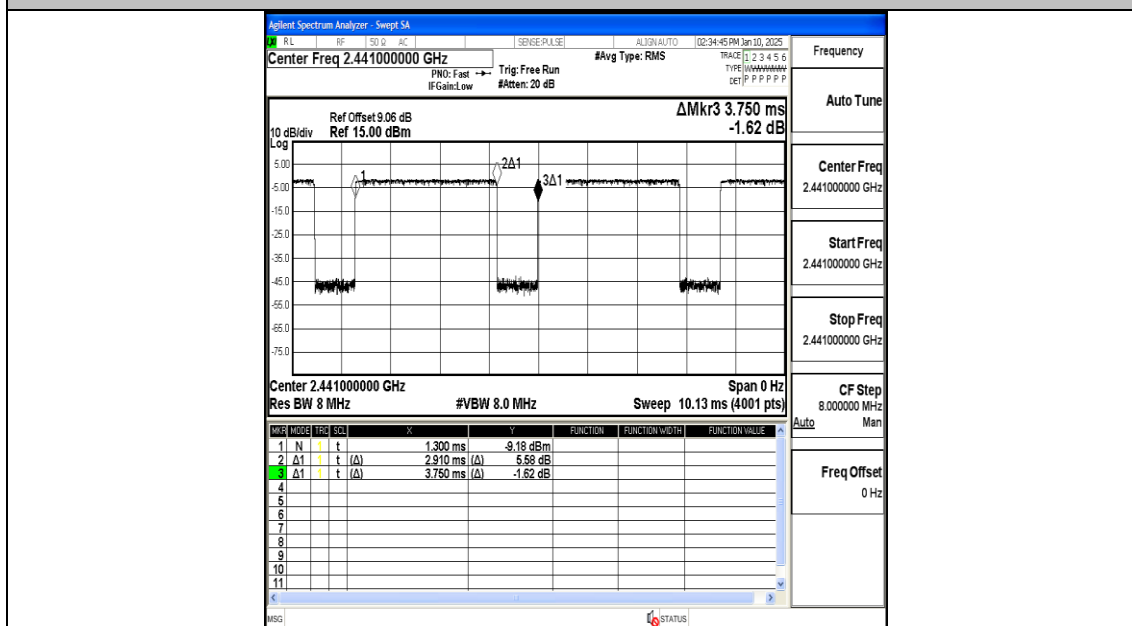




NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441

