

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

Product Name: Dancing blanket

Trade Mark: /

Test Model: SY022A

FCC ID: 2BEXY-SY022A

Environmental Conditions

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

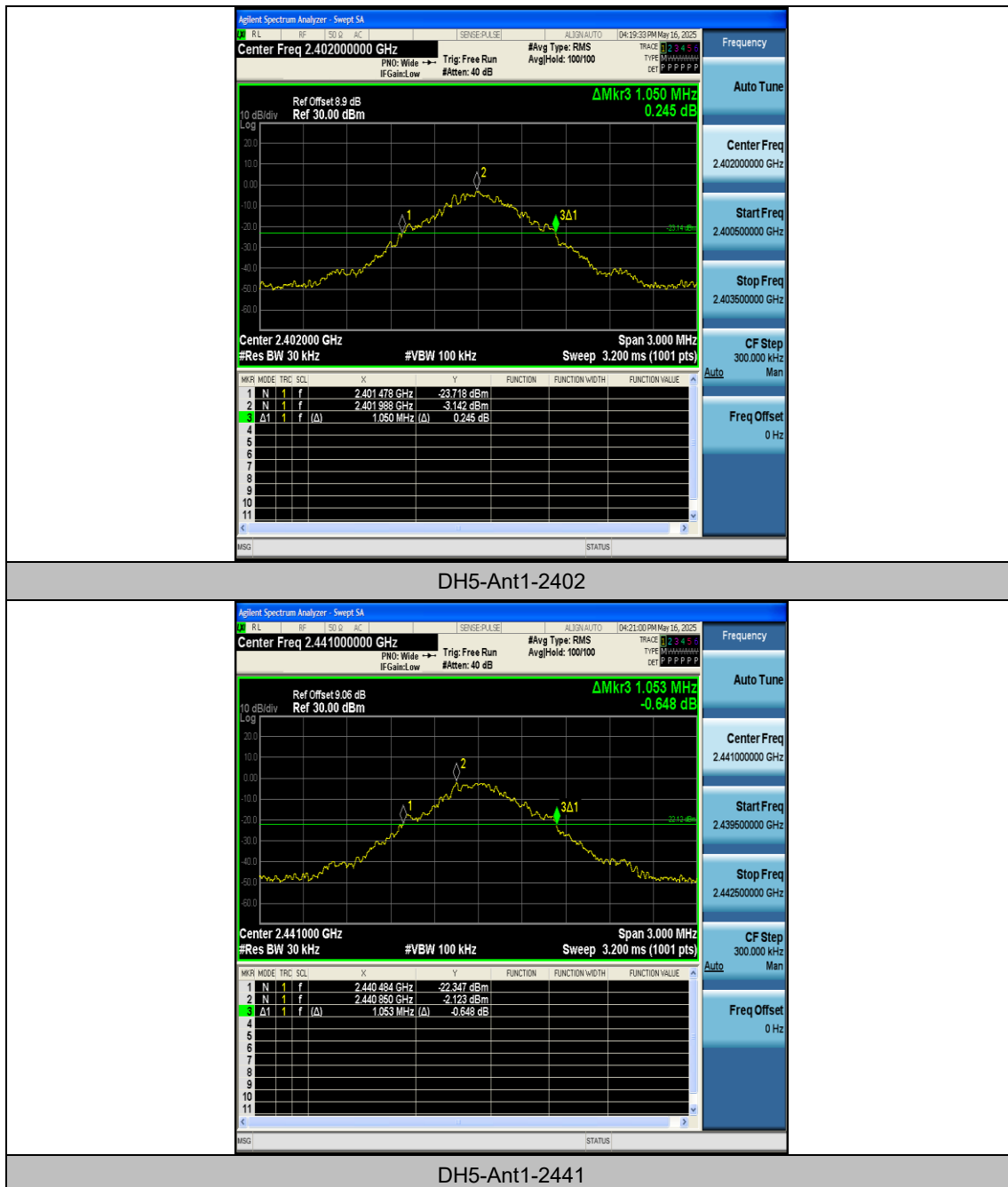
Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	1.050	2401.478	2402.528	---	---
DH5	Ant1	2441	1.053	2440.484	2441.537	---	---
DH5	Ant1	2480	1.080	2479.460	2480.540	---	---
2DH5	Ant1	2402	1.329	2401.352	2402.681	---	---
2DH5	Ant1	2441	1.329	2440.352	2441.681	---	---
2DH5	Ant1	2480	1.350	2479.337	2480.687	---	---

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs





DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480

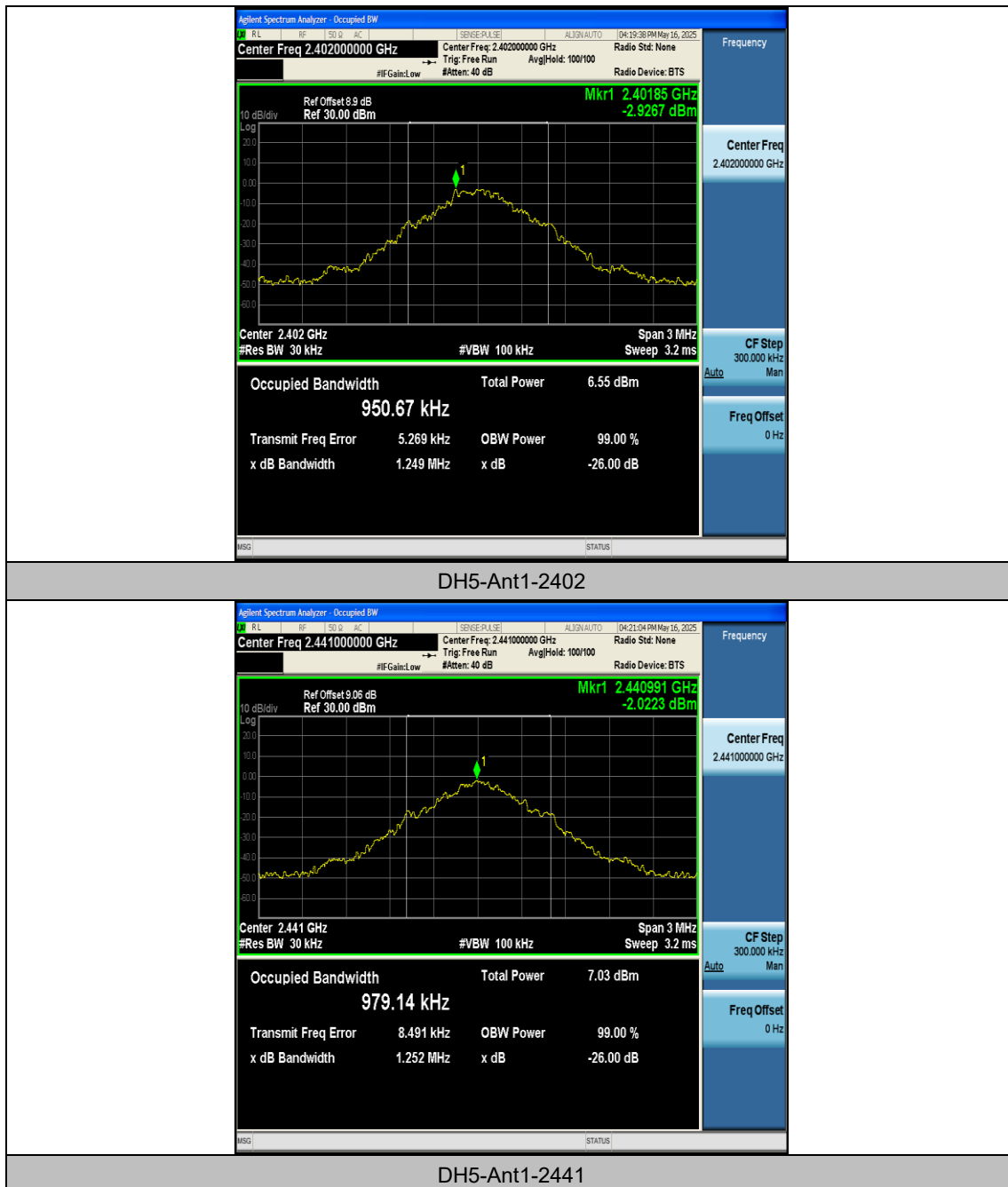
Appendix B: Occupied Channel Bandwidth

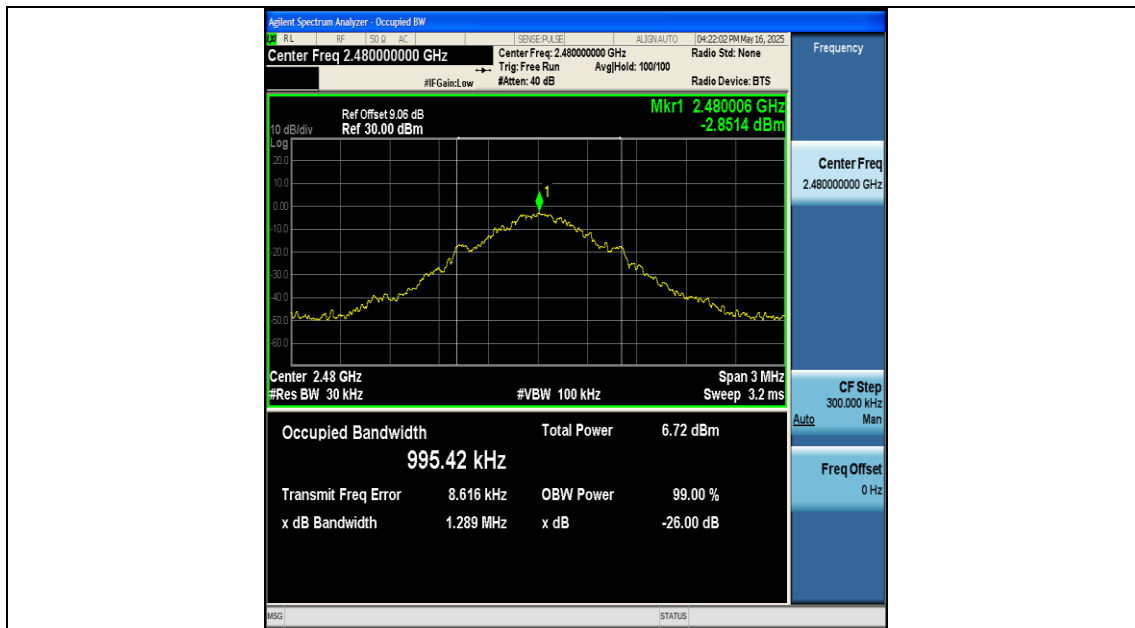
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.95067	2401.5299	2402.4806	---	---
DH5	Ant1	2441	0.97914	2440.5189	2441.4981	---	---
DH5	Ant1	2480	0.99542	2479.5109	2480.5063	---	---
2DH5	Ant1	2402	1.2521	2401.3930	2402.6451	---	---
2DH5	Ant1	2441	1.2529	2440.3927	2441.6456	---	---
2DH5	Ant1	2480	1.2693	2479.3814	2480.6507	---	---

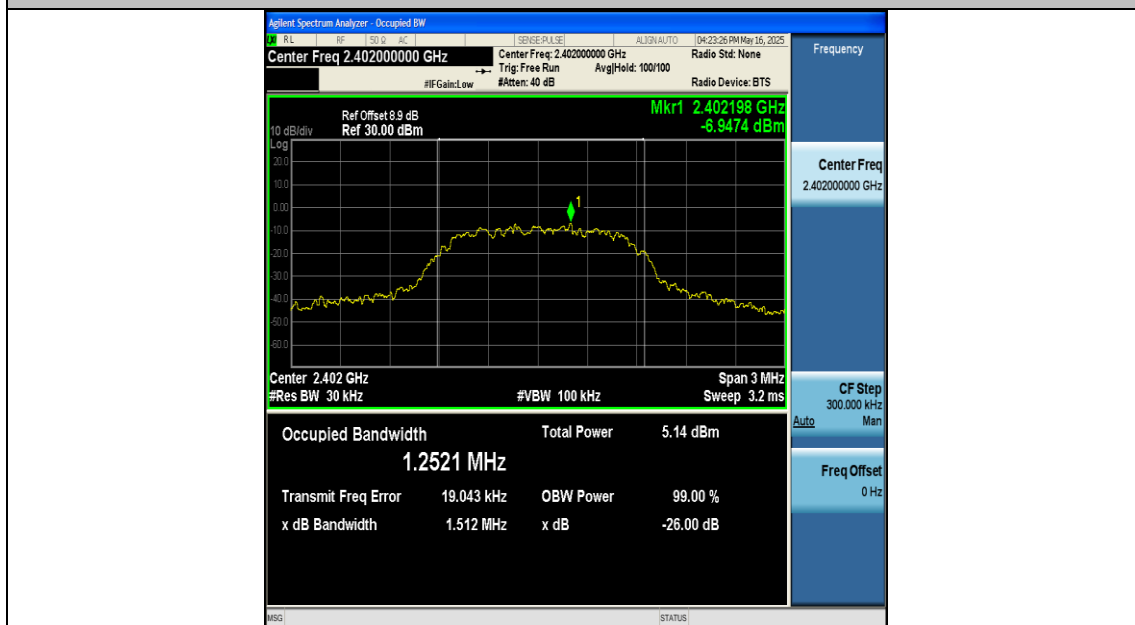
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

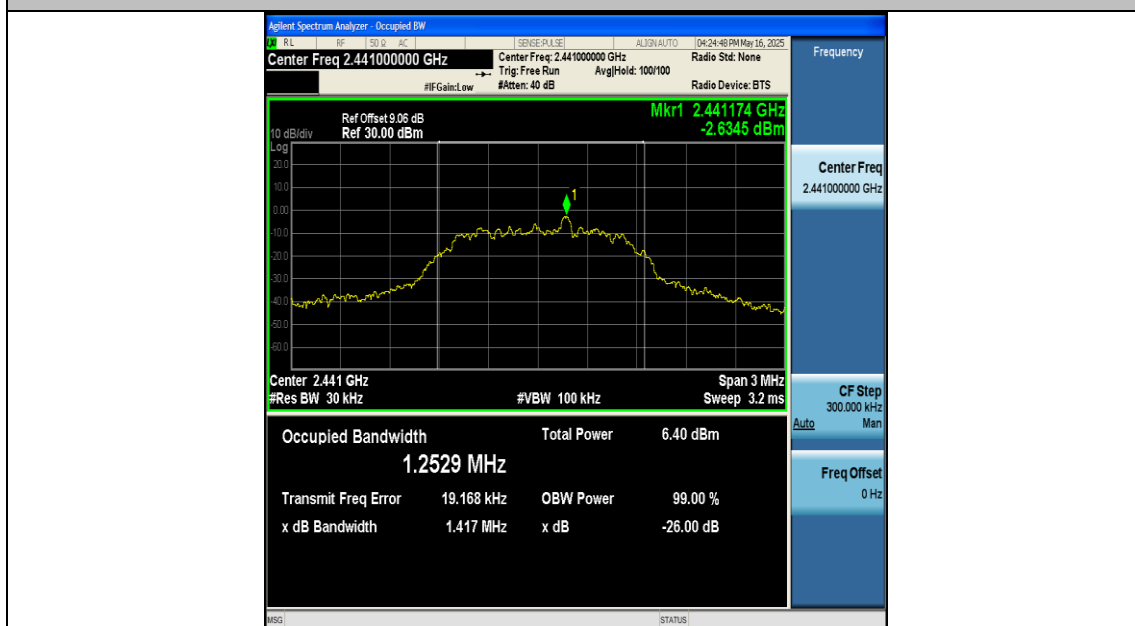




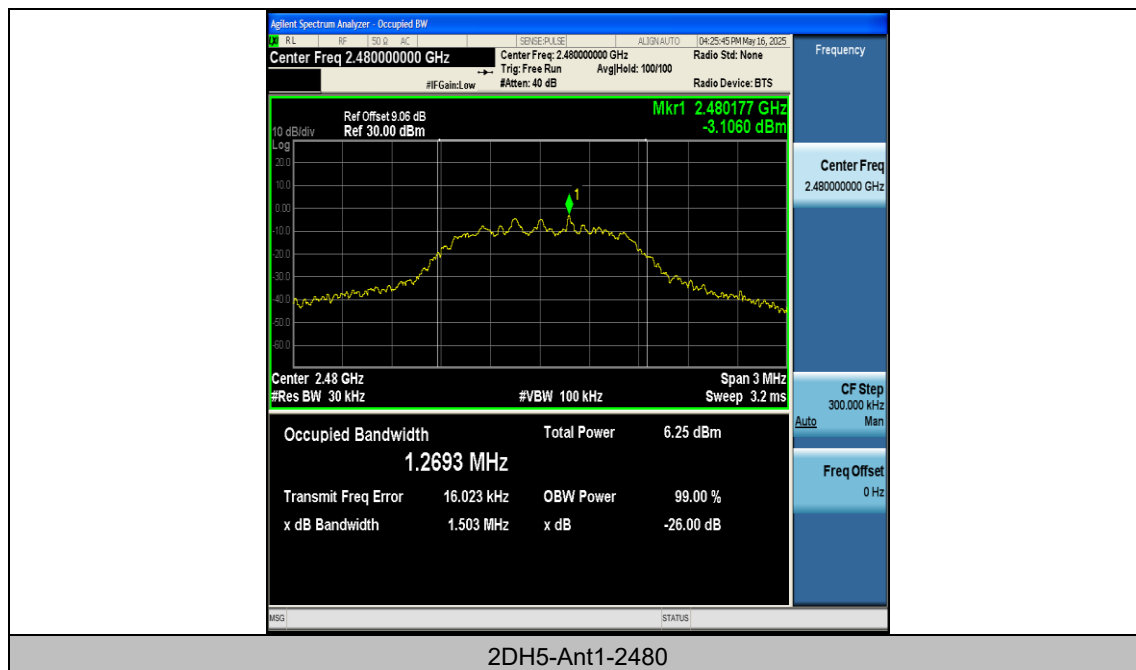
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441



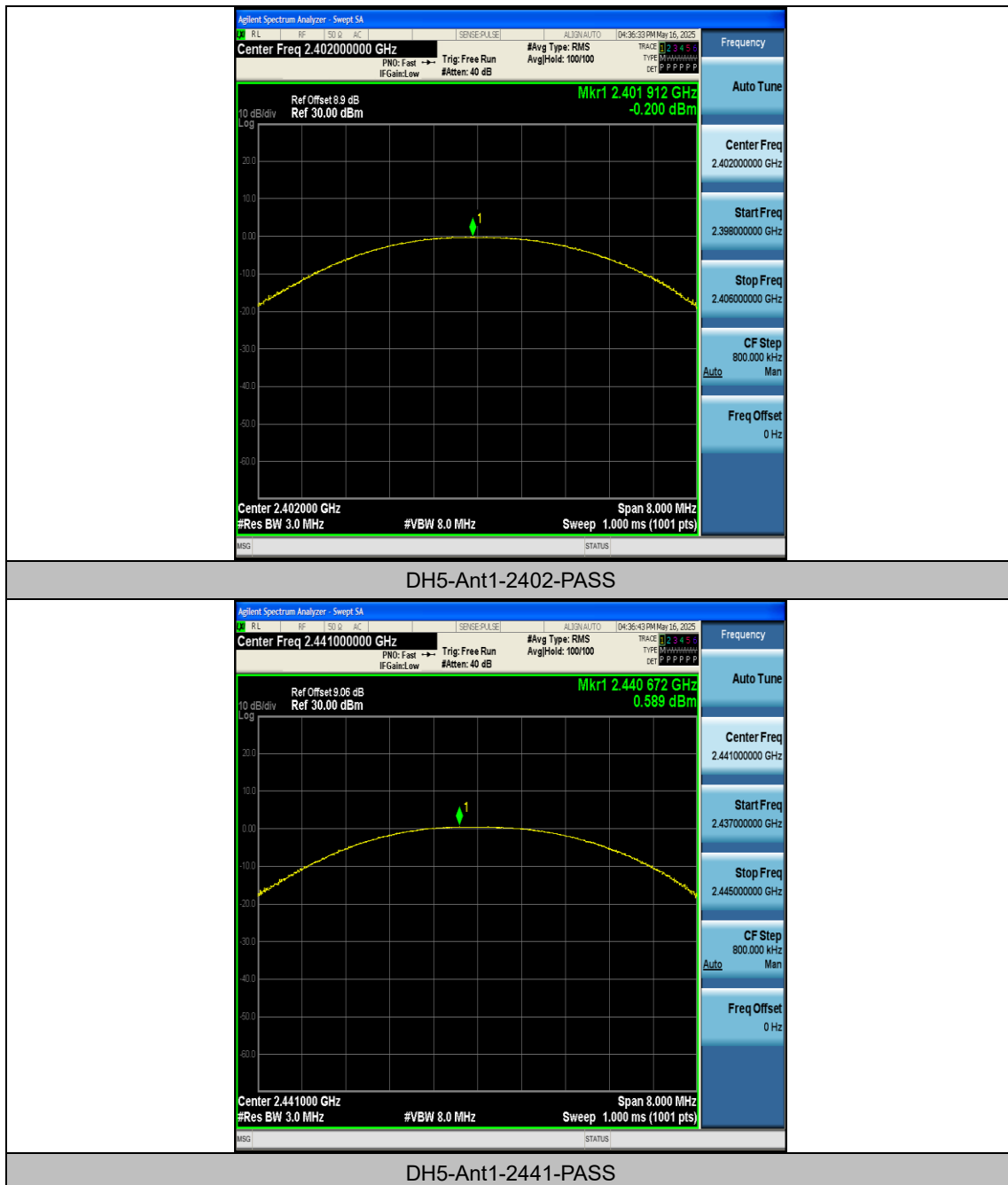
Appendix C: Maximum peak conducted output power

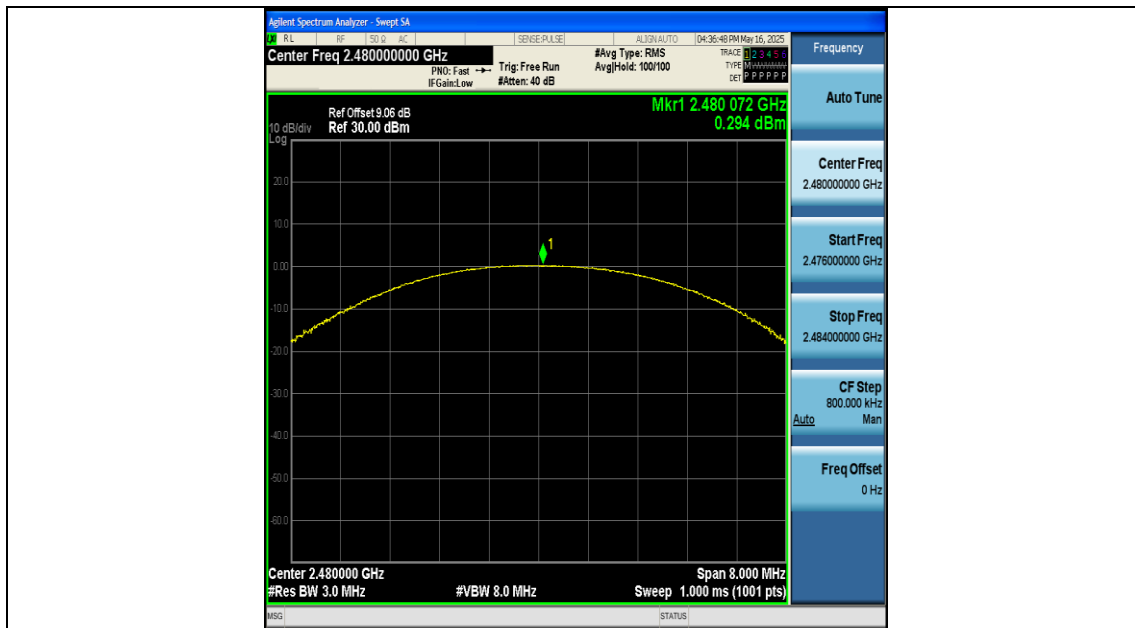
Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-0.20	≤30	PASS
DH5	Ant1	2441	0.59	≤30	PASS
DH5	Ant1	2480	0.29	≤30	PASS
2DH5	Ant1	2402	0.31	≤20.97	PASS
2DH5	Ant1	2441	1.06	≤20.97	PASS
2DH5	Ant1	2480	0.76	≤20.97	PASS

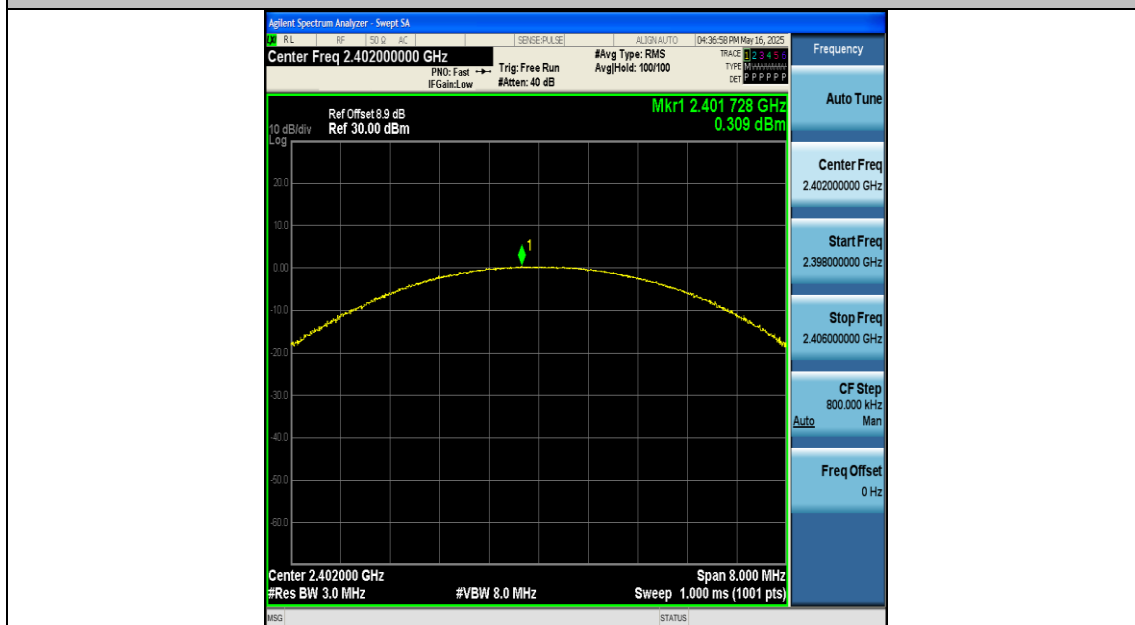
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

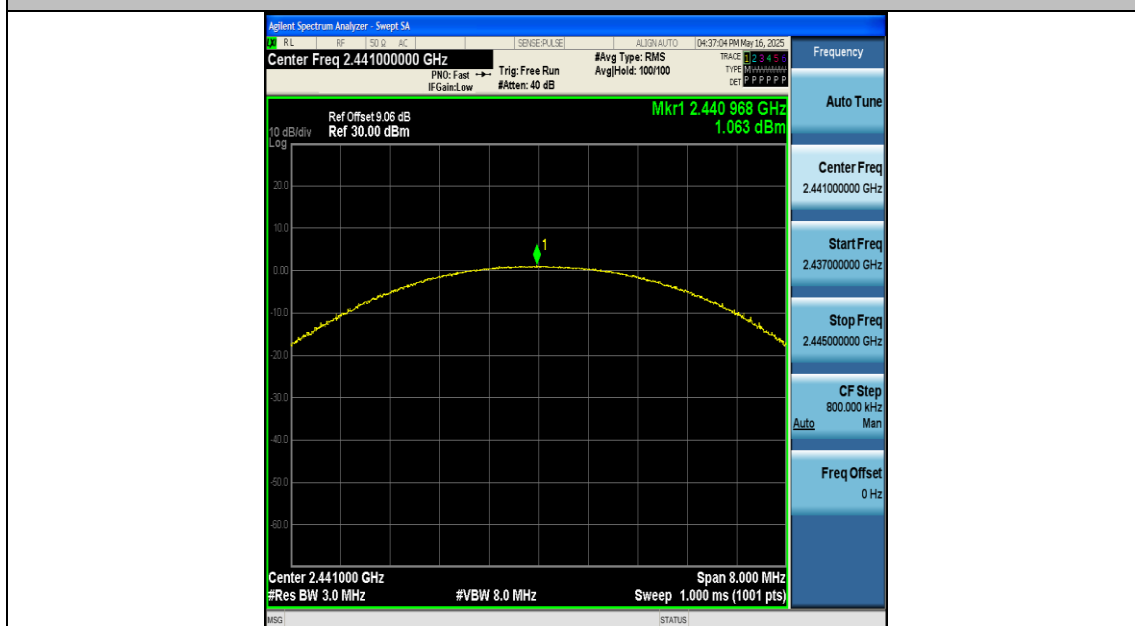




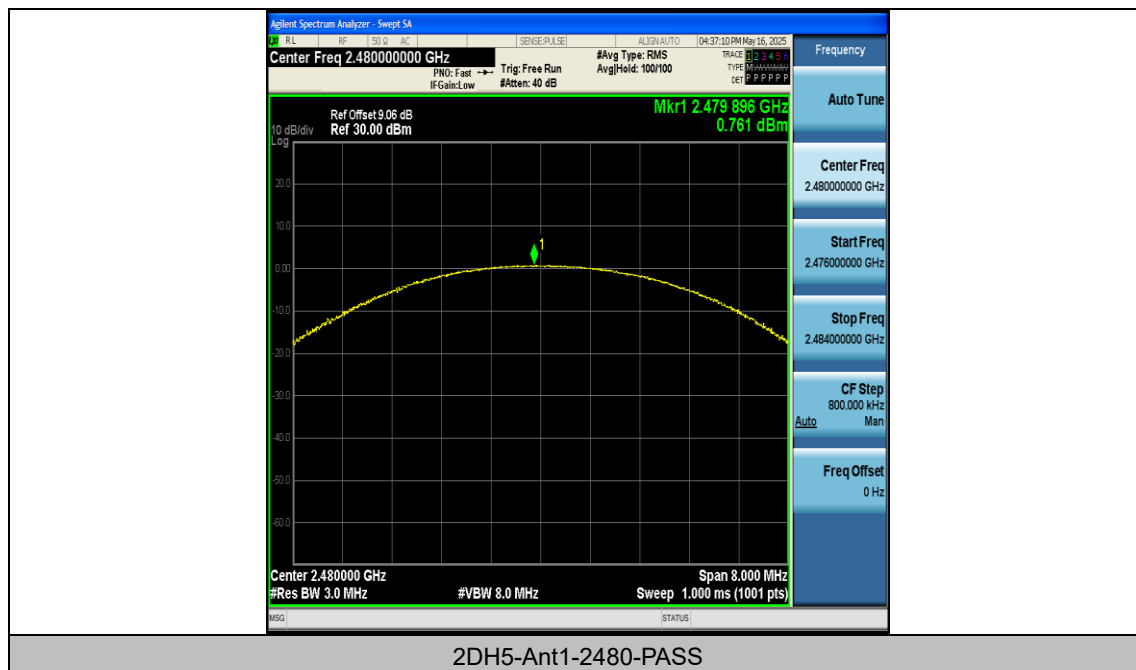
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS



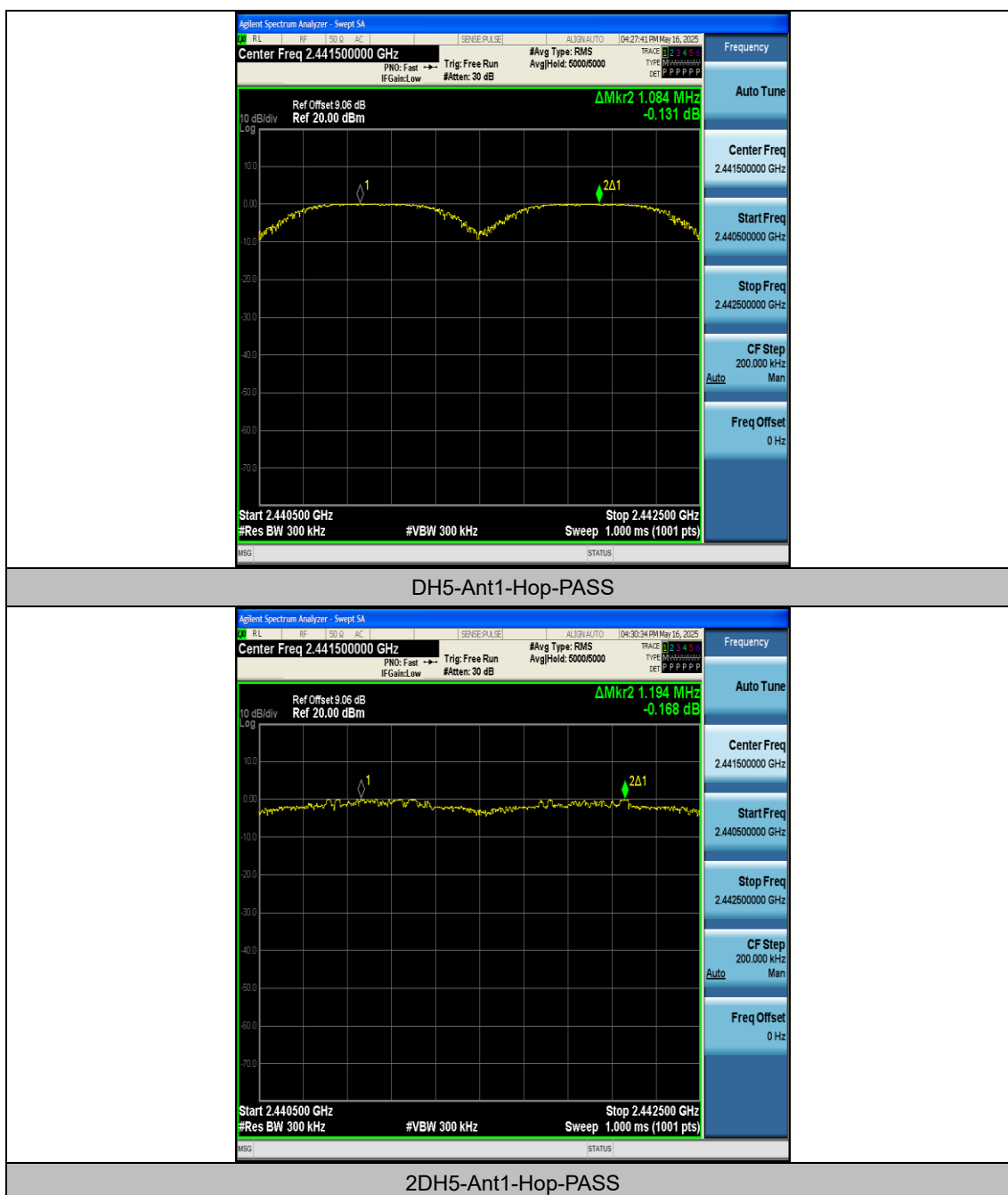
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.084	≥ 1.080	PASS
2DH5	Ant1	Hop	1.194	≥ 0.900	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs



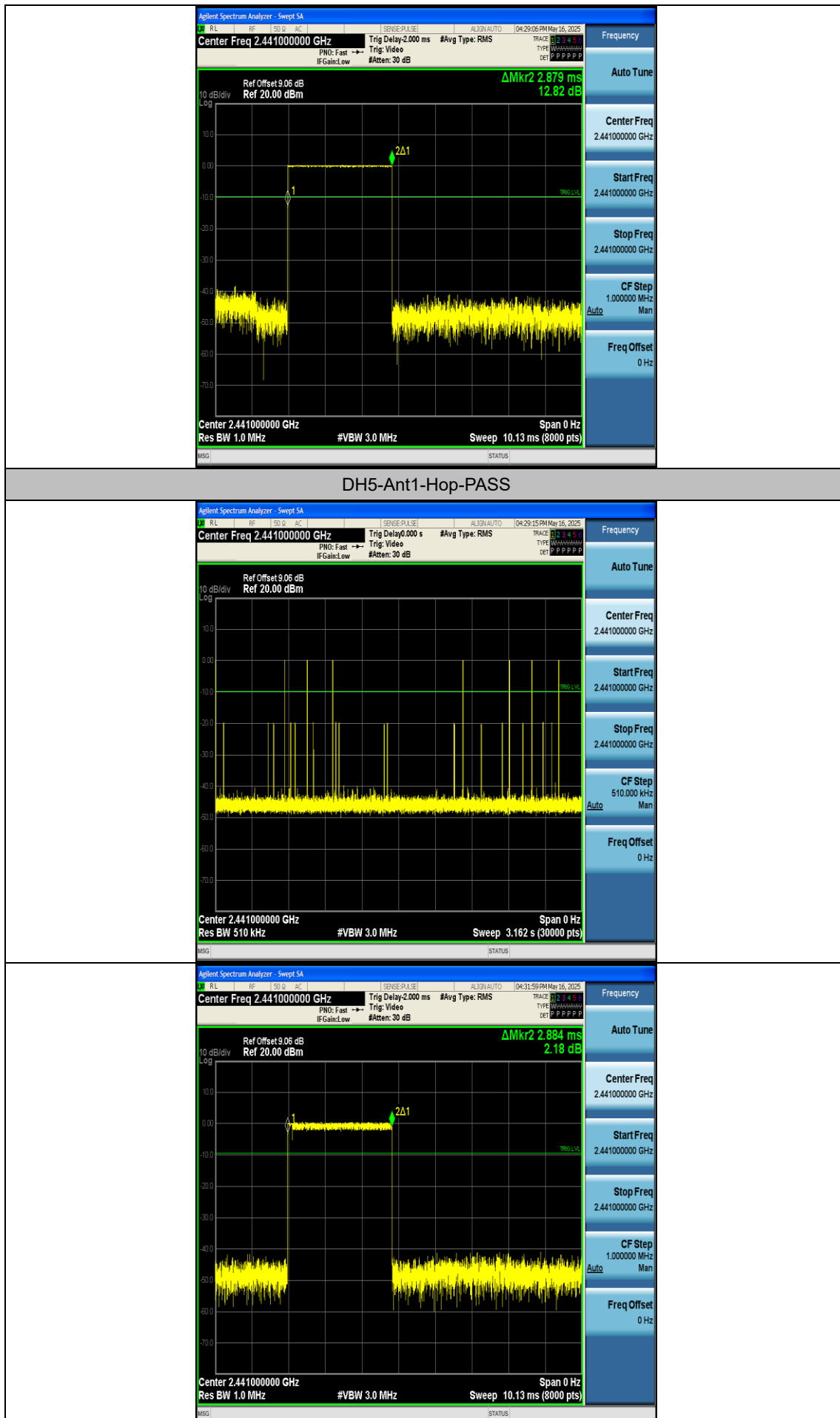
Appendix E: Time of occupancy

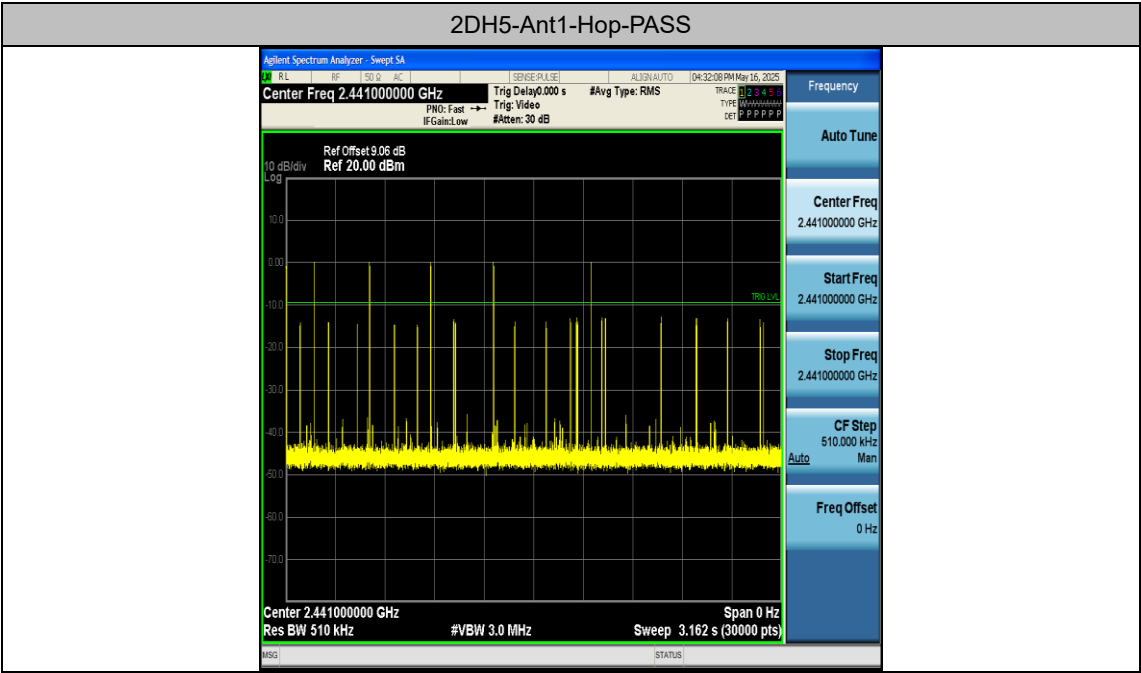
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.879	90	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.884	60	0.173	≤0.4	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs





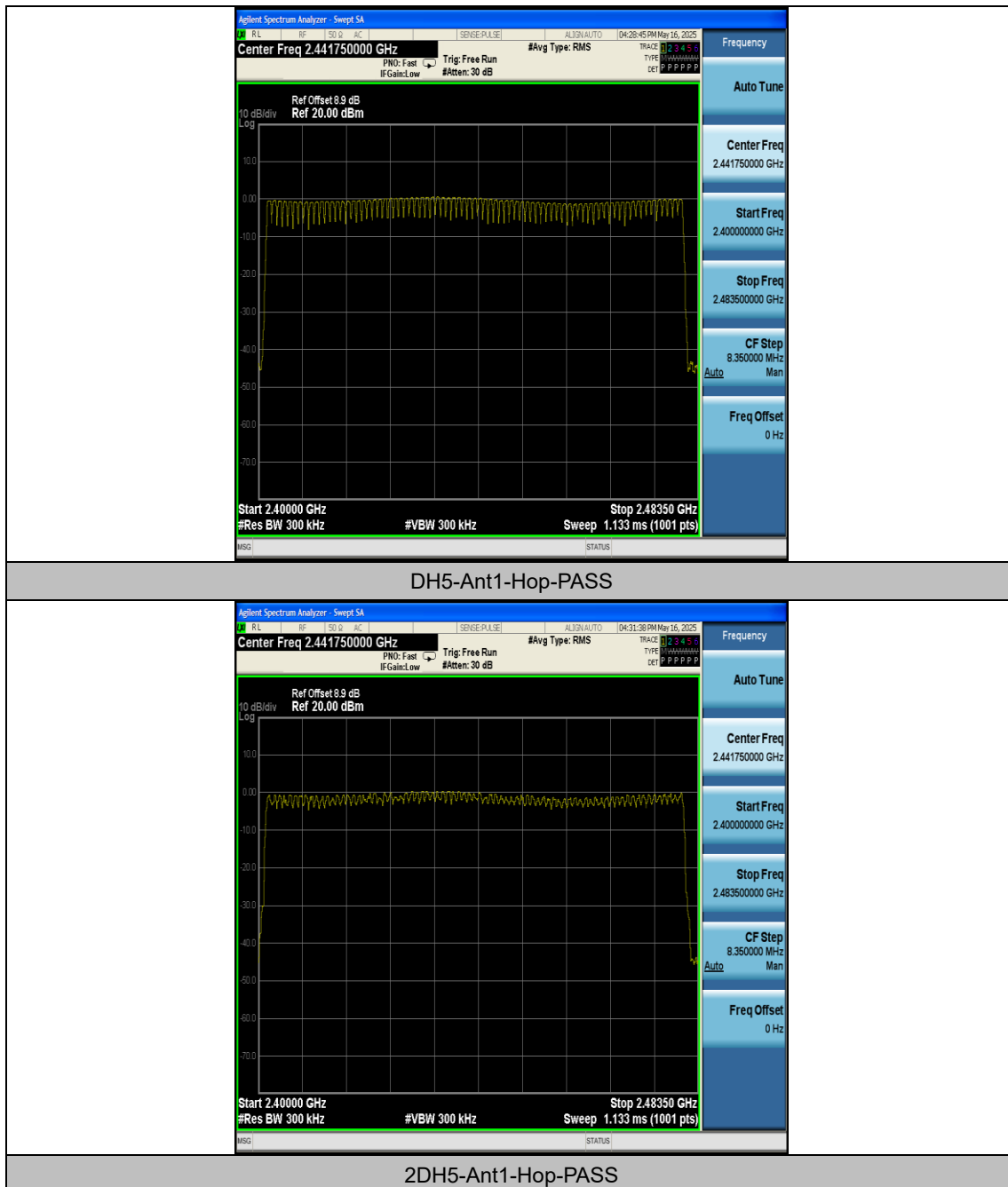
Appendix F: Number of hopping channels

Test Result

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

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs



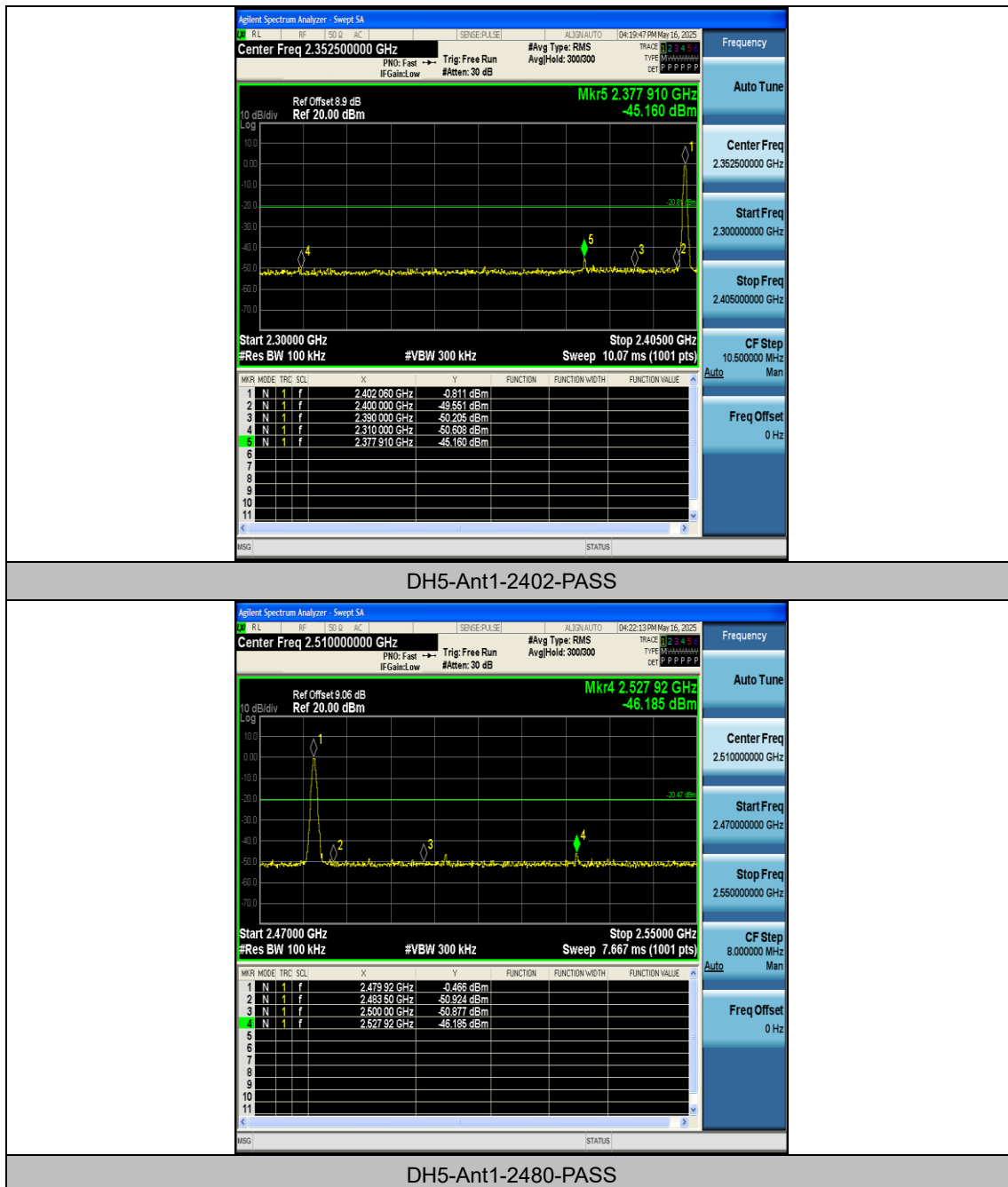
Appendix G: Band edge measurements

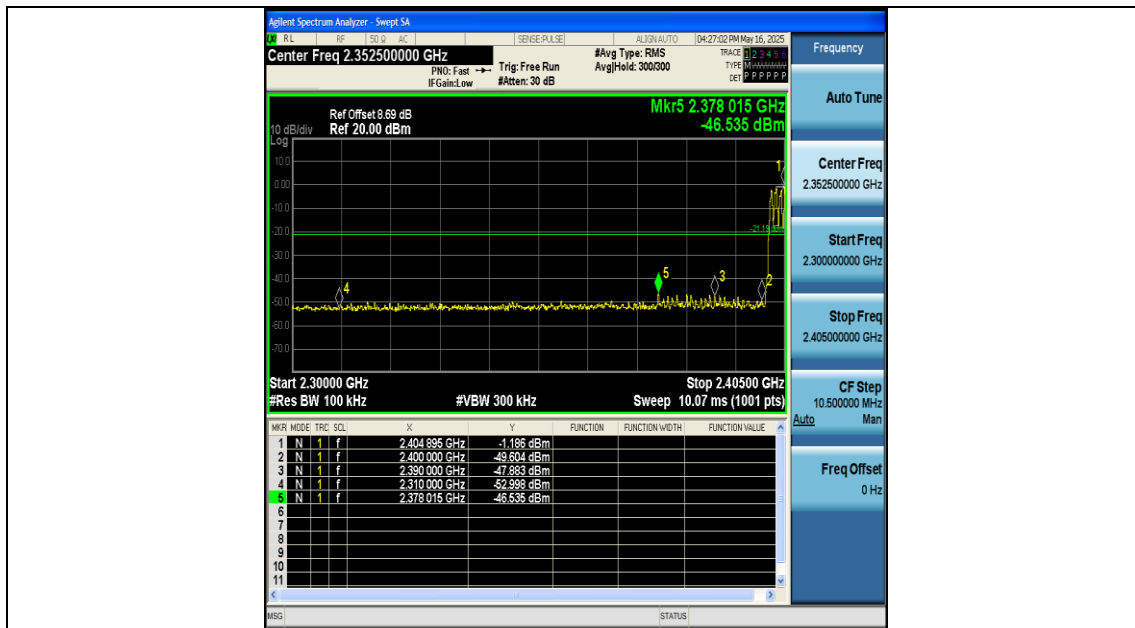
Test Result

Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.81	-45.16	≤-20.81	PASS
DH5	Ant1	High	2480	-0.47	-46.19	≤-20.47	PASS
DH5	Ant1	Low	Hop_2402	-1.19	-46.54	≤-21.19	PASS
DH5	Ant1	High	Hop_2480	-0.85	-46.06	≤-20.85	PASS
2DH5	Ant1	Low	2402	-0.79	-46.28	≤-20.79	PASS
2DH5	Ant1	High	2480	-0.54	-46.51	≤-20.54	PASS
2DH5	Ant1	Low	Hop_2402	-5.08	-48.42	≤-25.08	PASS
2DH5	Ant1	High	Hop_2480	-1.71	-47.46	≤-21.71	PASS

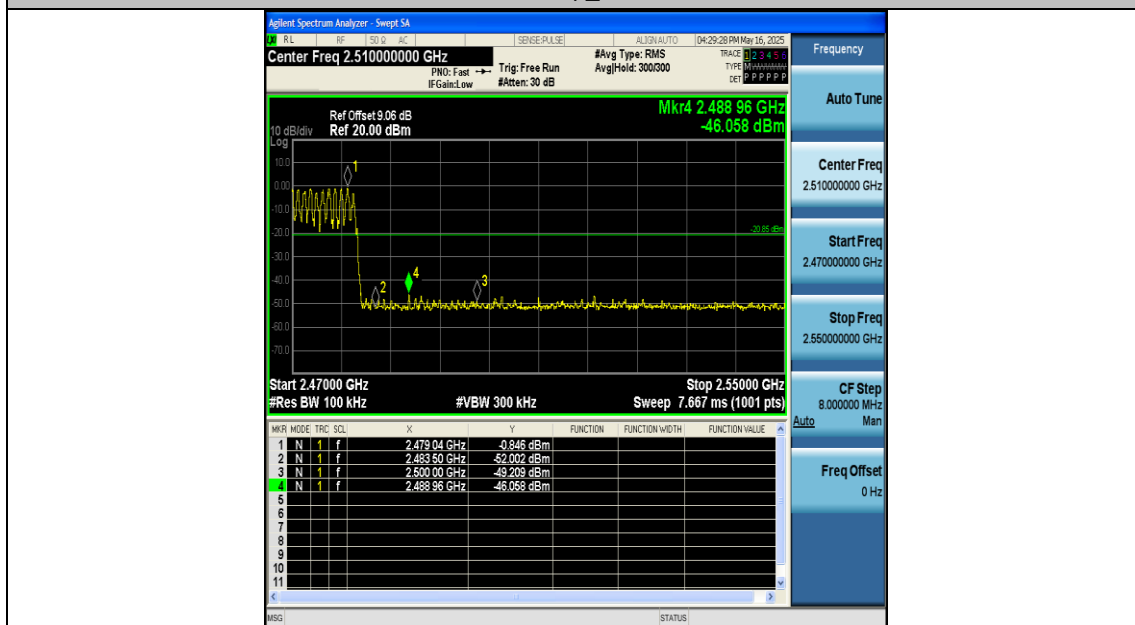
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

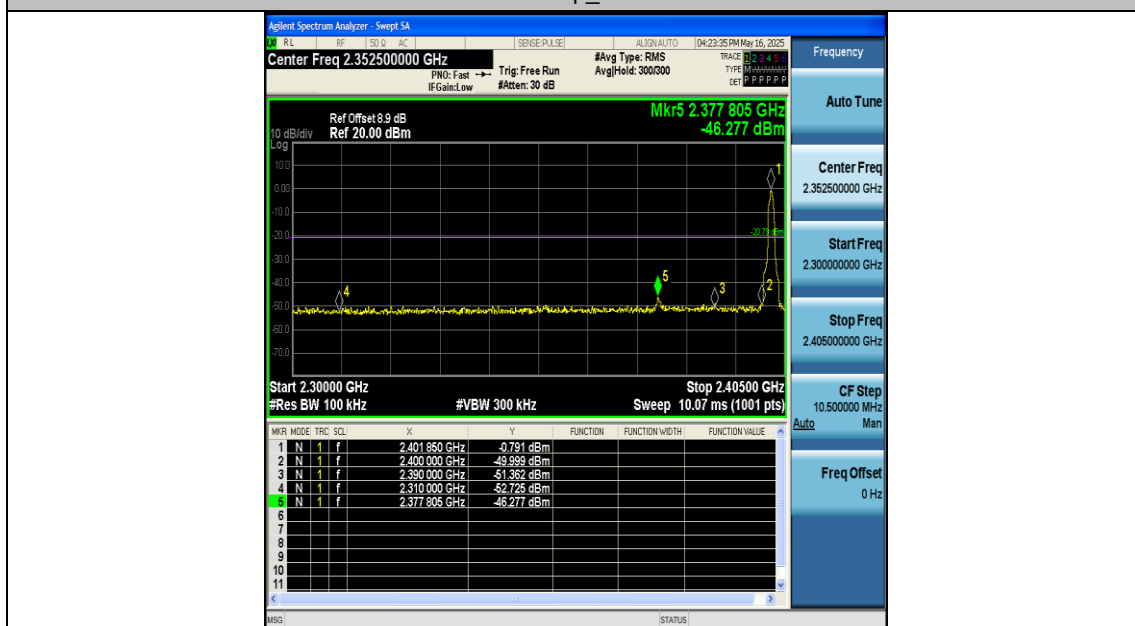




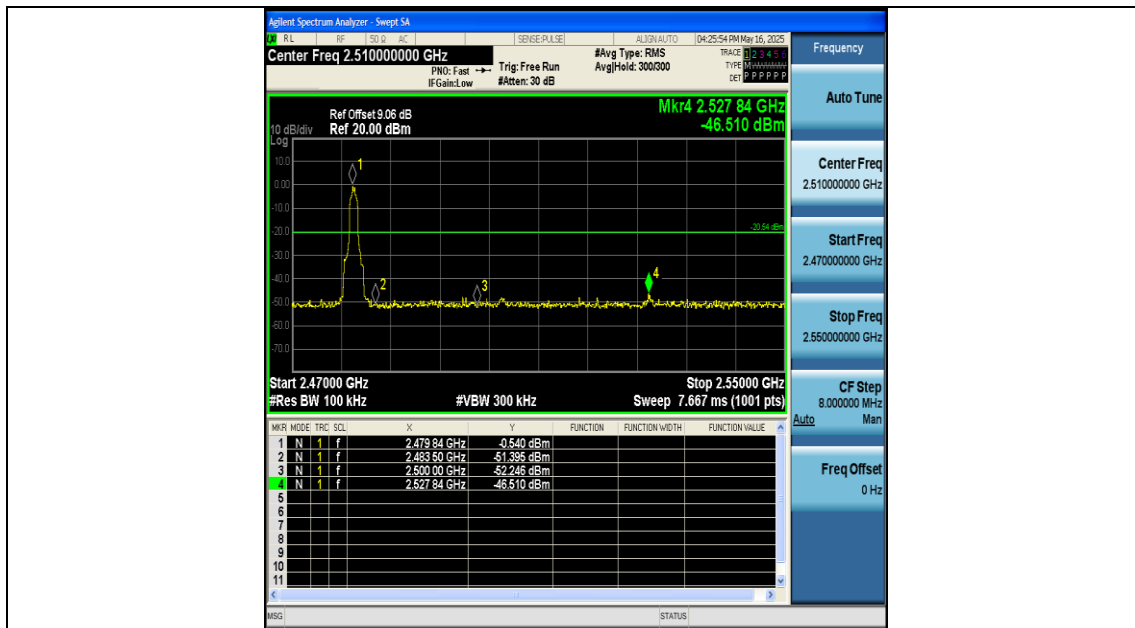
DH5-Ant1-Hop_2402-PASS



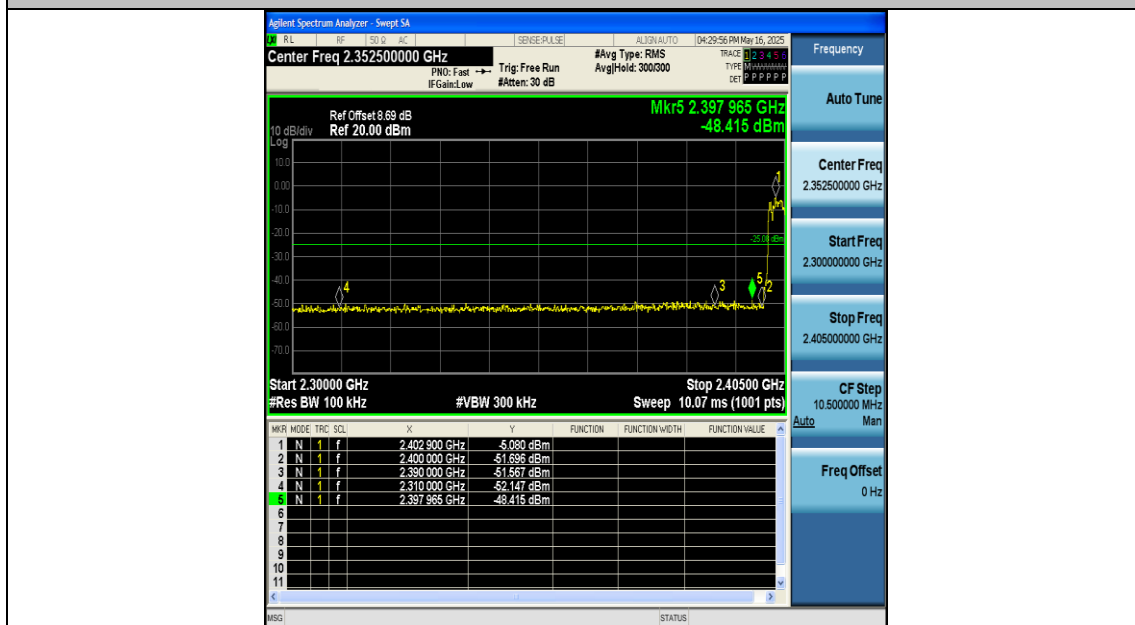
DH5-Ant1-Hop_2480-PASS



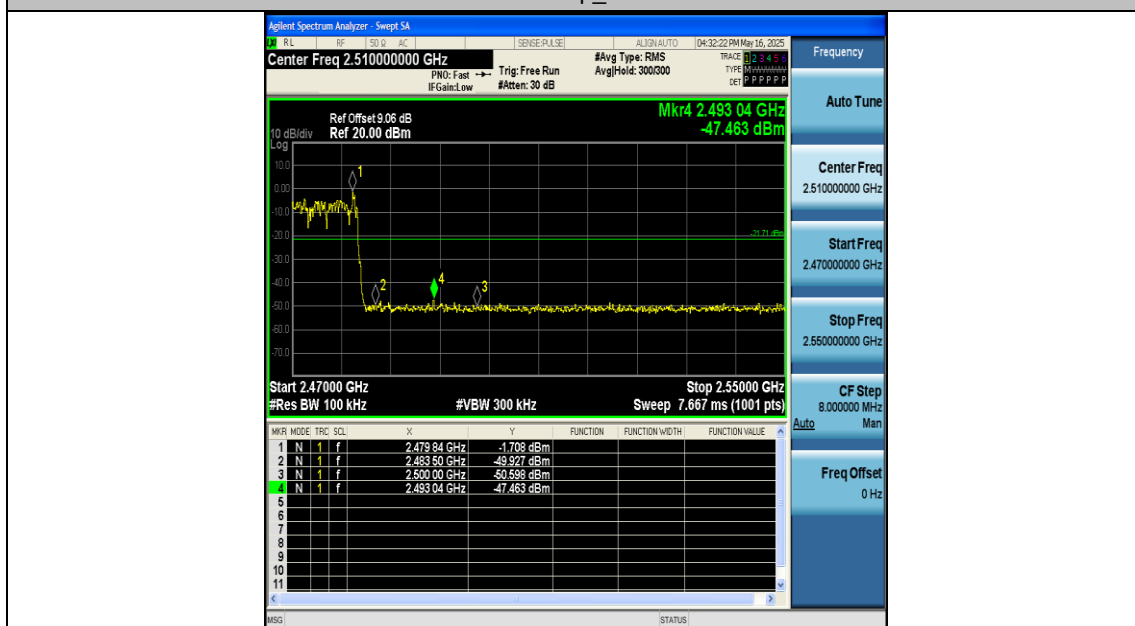
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS

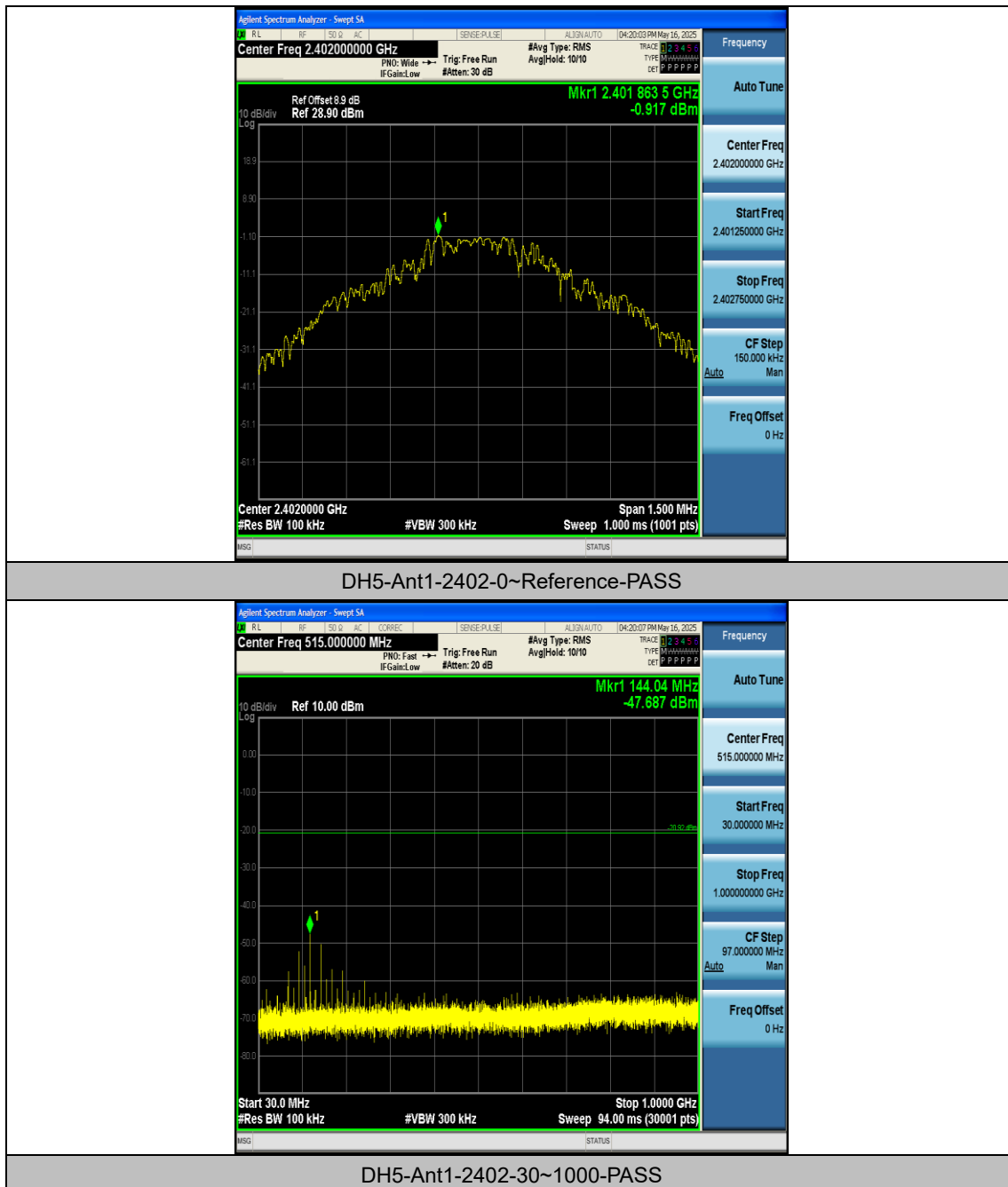
Appendix H: Conducted Spurious Emission

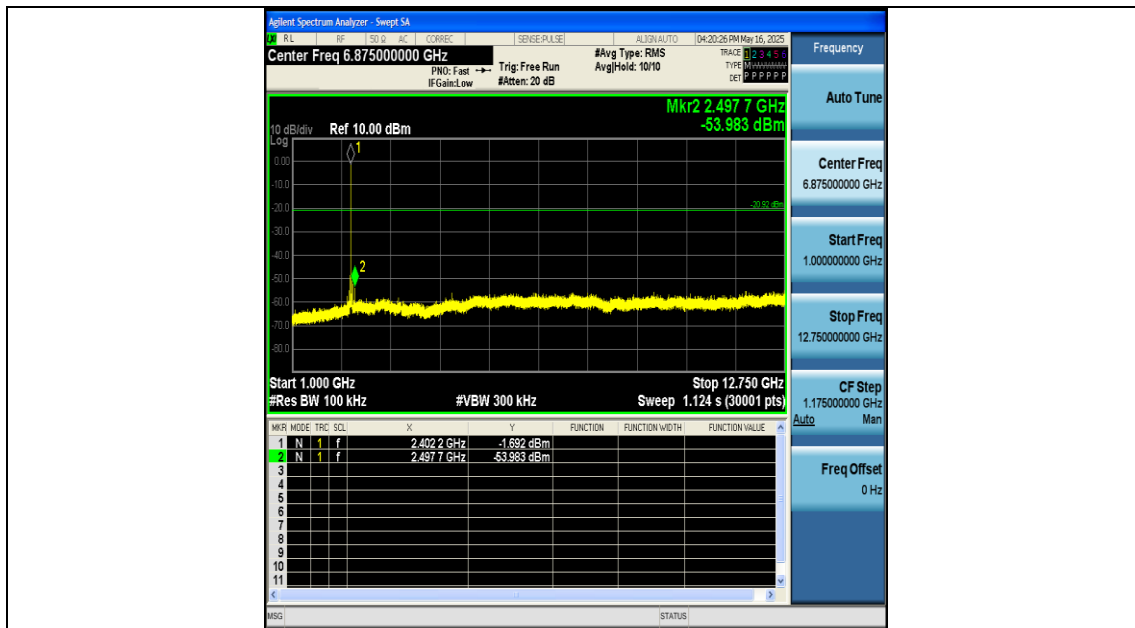
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.92	-0.92	---	PASS
DH5	Ant1	2402	30~1000	-0.92	-47.69	≤-20.92	PASS
DH5	Ant1	2402	1000~12750	-0.92	-53.98	≤-20.92	PASS
DH5	Ant1	2441	0~Reference	-0.42	-0.42	---	PASS
DH5	Ant1	2441	30~1000	-0.42	-47.57	≤-20.42	PASS
DH5	Ant1	2441	1000~12750	-0.42	-52.24	≤-20.42	PASS
DH5	Ant1	2480	0~Reference	-0.58	-0.58	---	PASS
DH5	Ant1	2480	30~1000	-0.58	-47.51	≤-20.58	PASS
DH5	Ant1	2480	1000~12750	-0.58	-53.13	≤-20.58	PASS
2DH5	Ant1	2402	0~Reference	-1.63	-1.63	---	PASS
2DH5	Ant1	2402	30~1000	-1.63	-47.9	≤-21.63	PASS
2DH5	Ant1	2402	1000~12750	-1.63	-53.2	≤-21.63	PASS
2DH5	Ant1	2441	0~Reference	-3.26	-3.26	---	PASS
2DH5	Ant1	2441	30~1000	-3.26	-47.21	≤-23.26	PASS
2DH5	Ant1	2441	1000~12750	-3.26	-54.19	≤-23.26	PASS
2DH5	Ant1	2480	0~Reference	-3.15	-3.15	---	PASS
2DH5	Ant1	2480	30~1000	-3.15	-47.45	≤-23.15	PASS
2DH5	Ant1	2480	1000~12750	-3.15	-55.11	≤-23.15	PASS

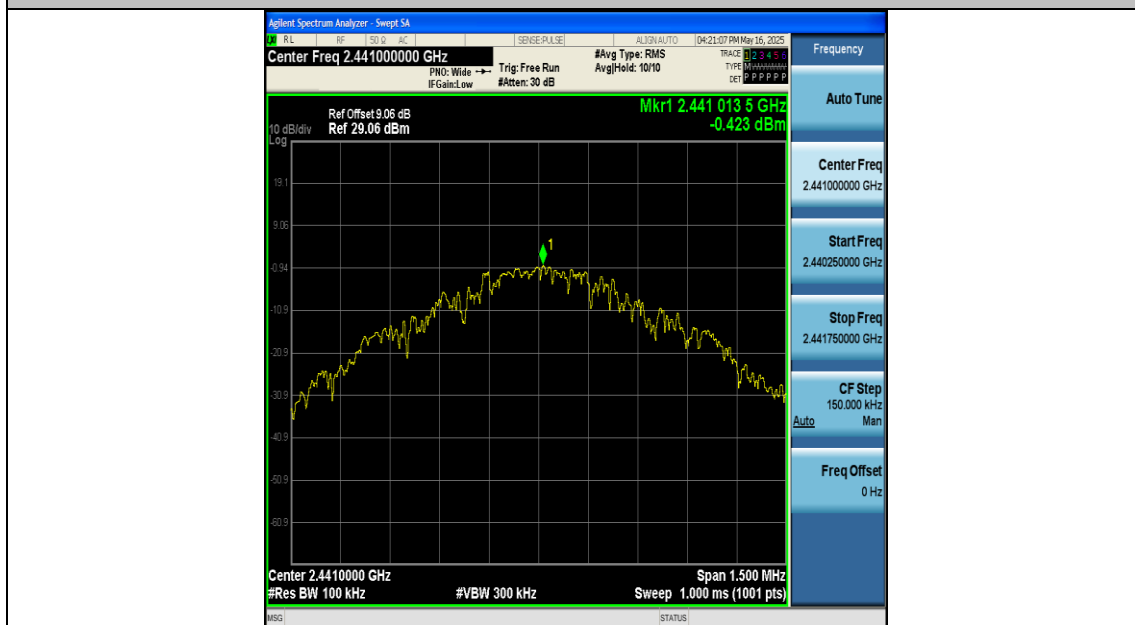
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs

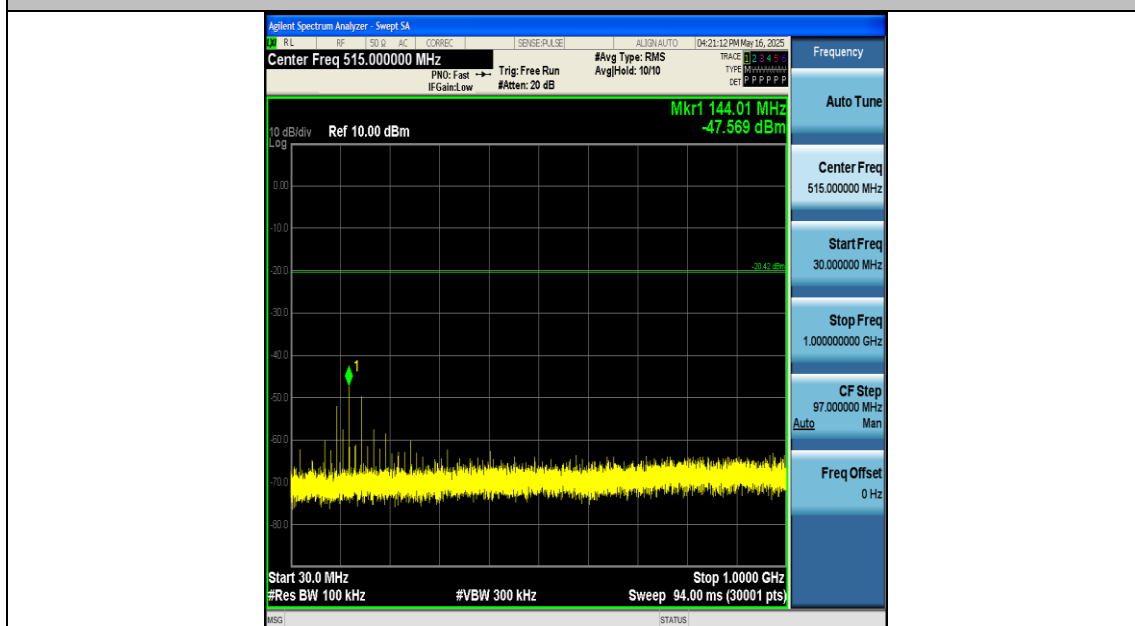




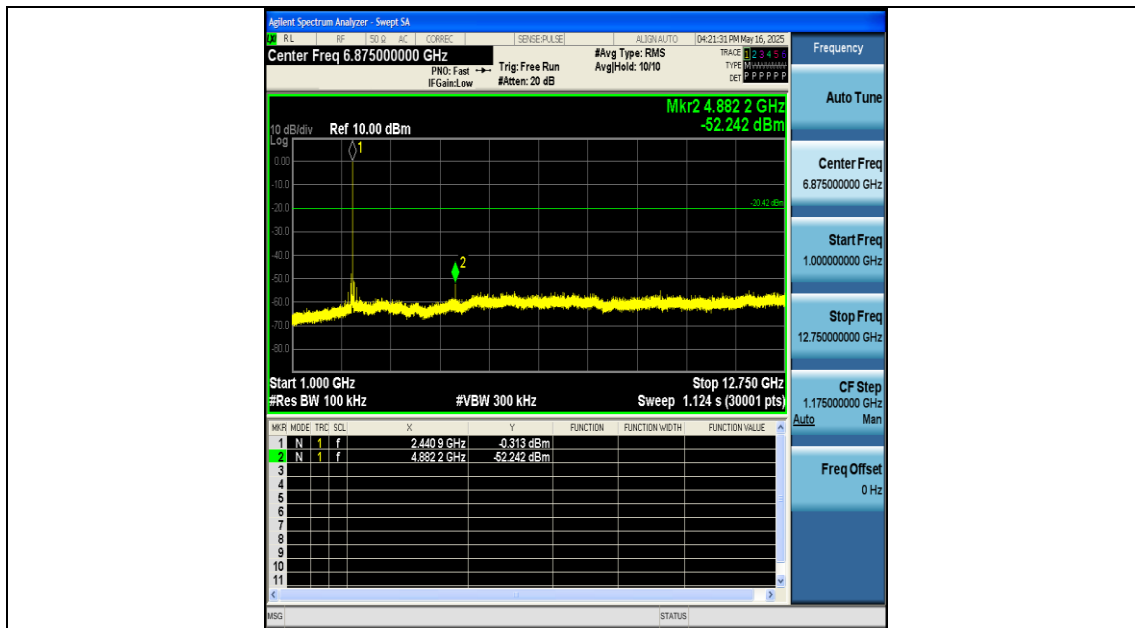
DH5-Ant1-2402-1000~12750-PASS



DH5-Ant1-2441-0~Reference-PASS



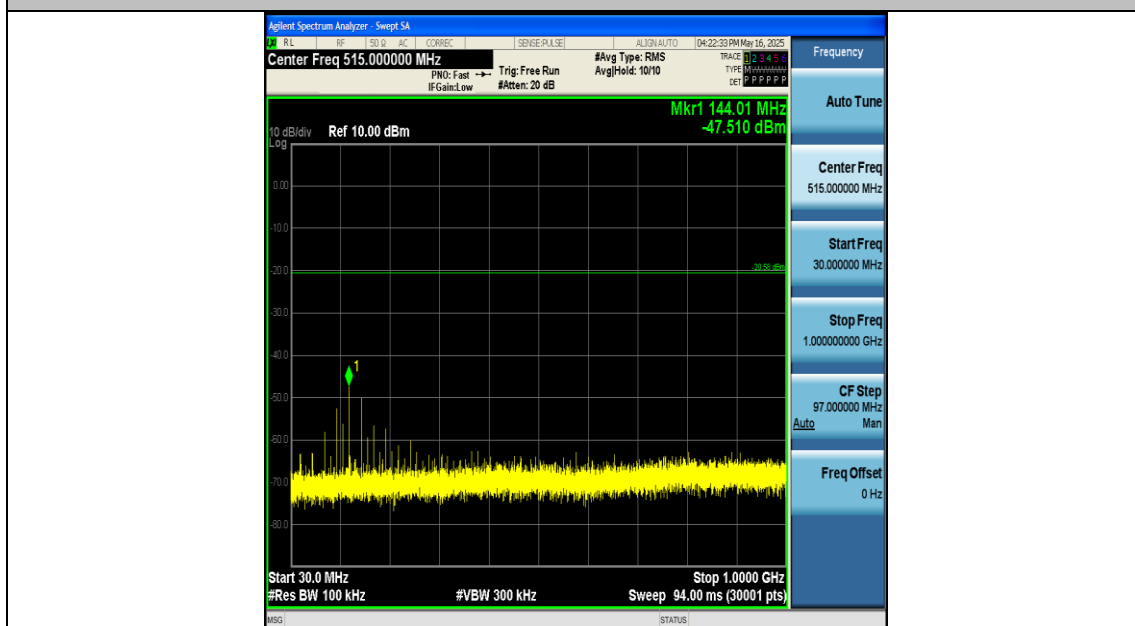
DH5-Ant1-2441-30~1000-PASS



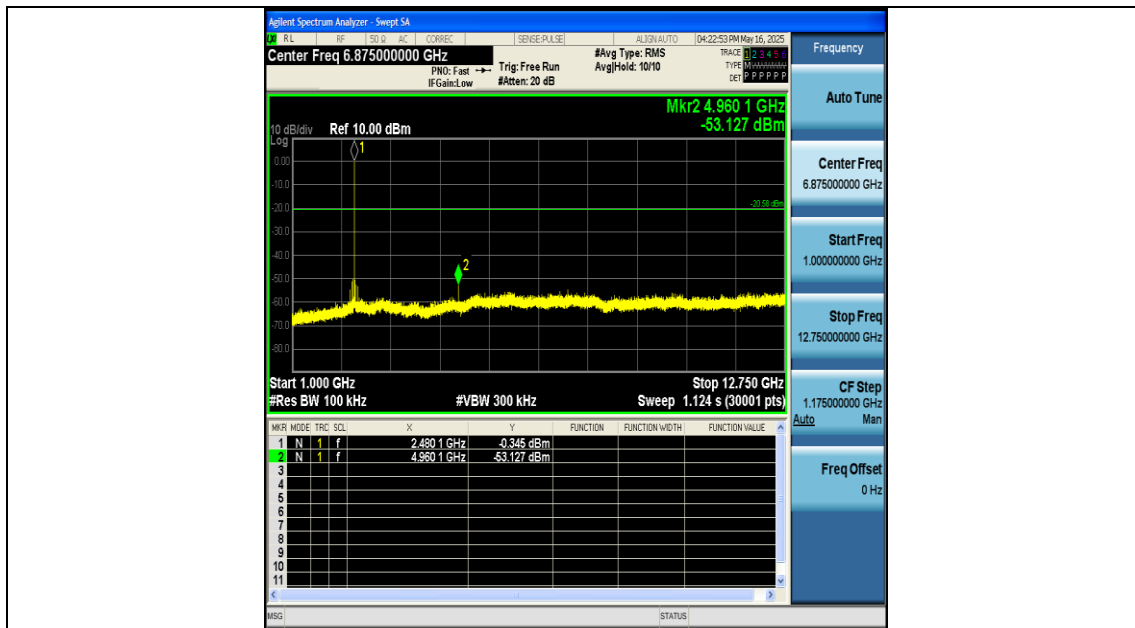
DH5-Ant1-2441-1000~12750-PASS



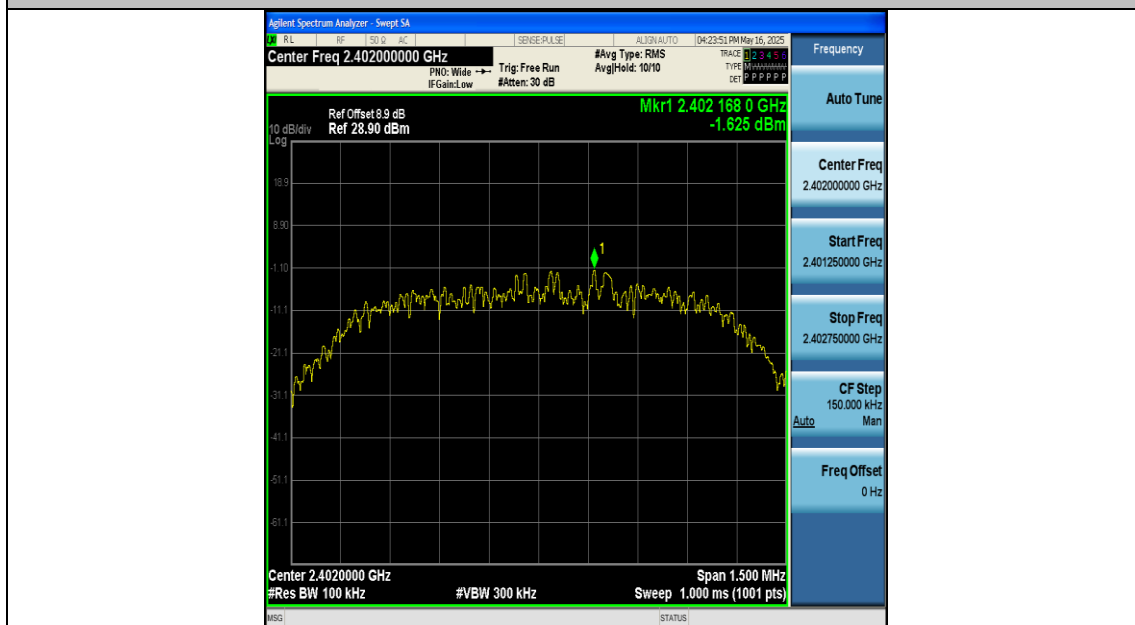
DH5-Ant1-2480-0~Reference-PASS



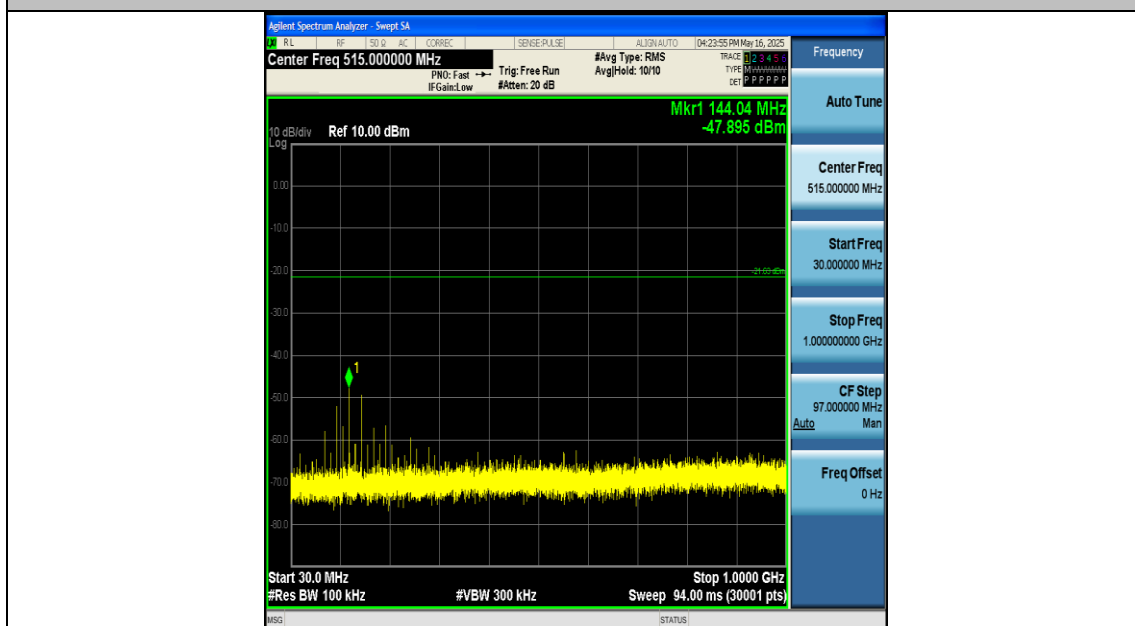
DH5-Ant1-2480-30~1000-PASS



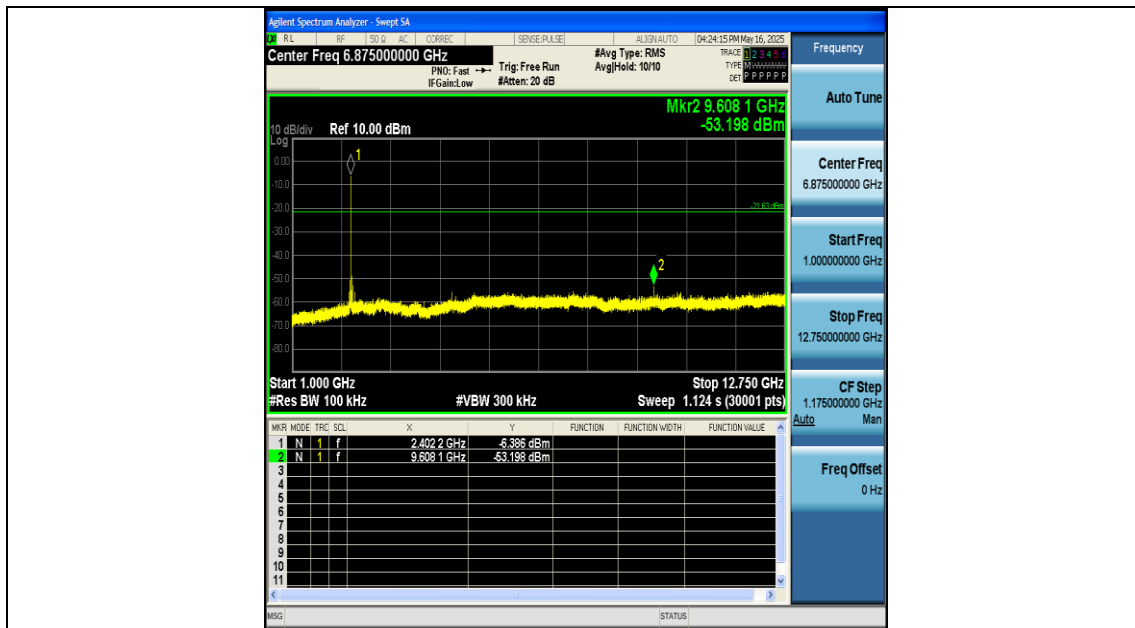
DH5-Ant1-2480-1000~12750-PASS



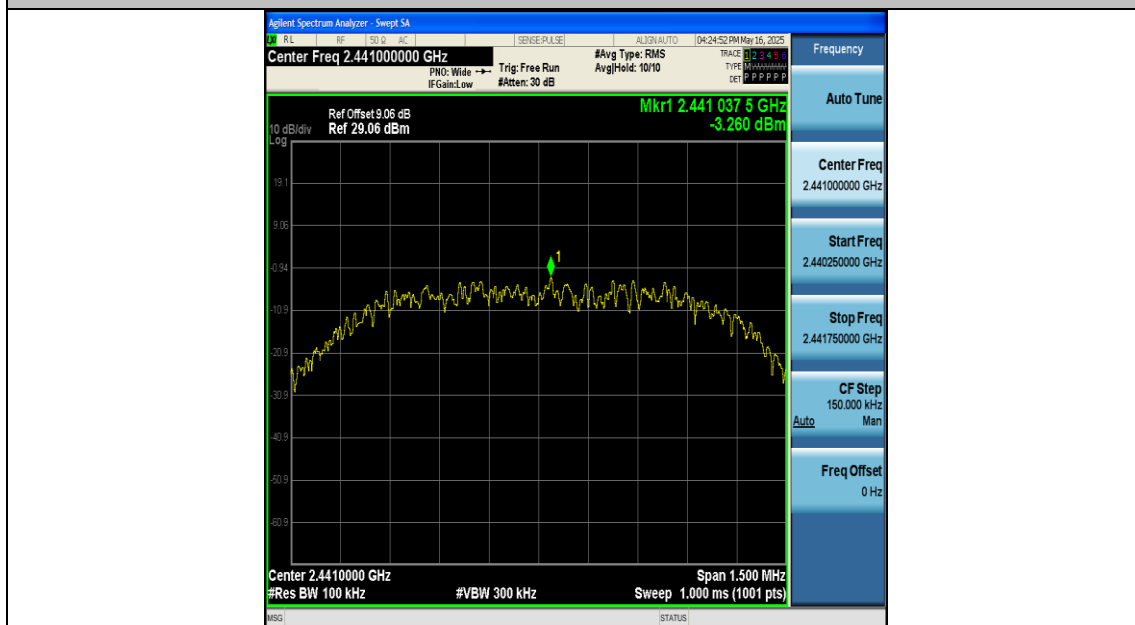
2DH5-Ant1-2402-0~Reference-PASS



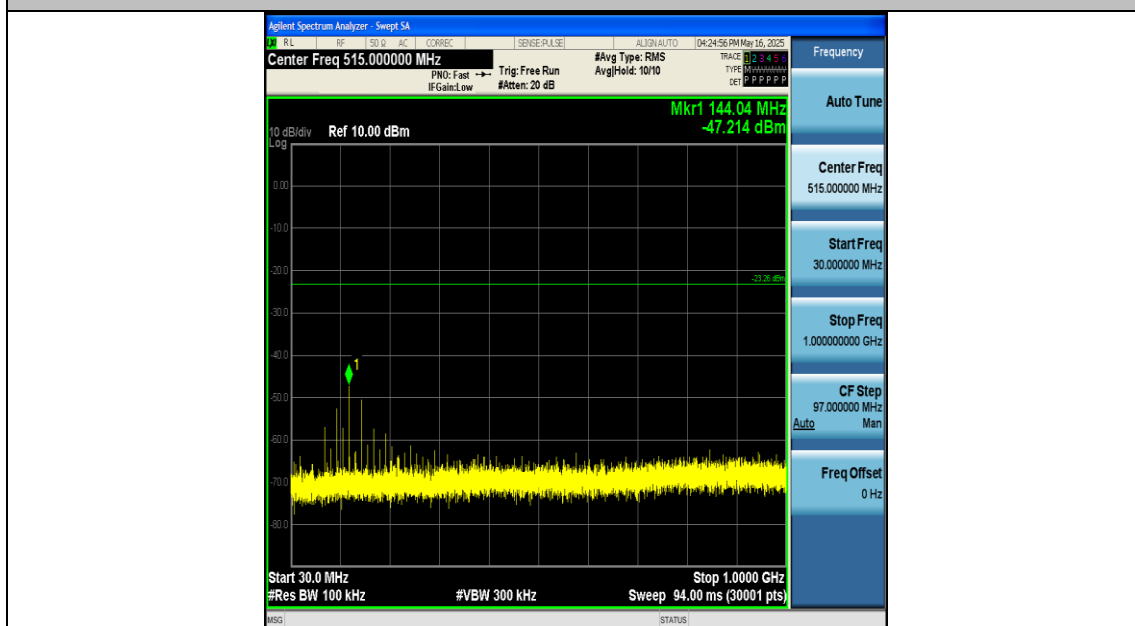
2DH5-Ant1-2402-30~1000-PASS



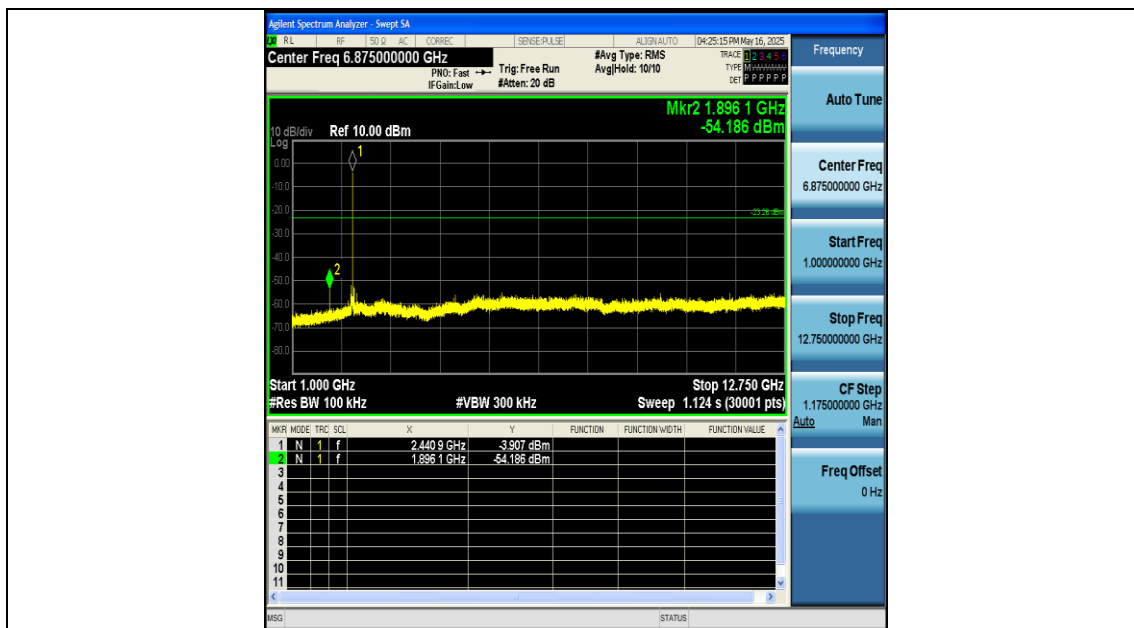
2DH5-Ant1-2402-1000~12750-PASS



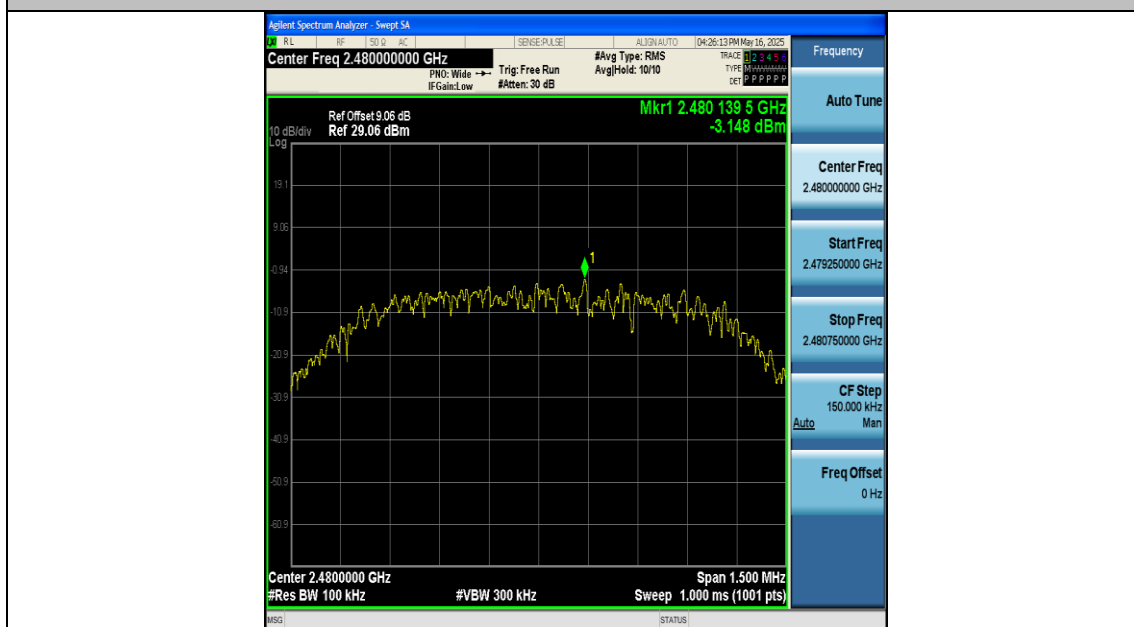
2DH5-Ant1-2441-0~Reference-PASS



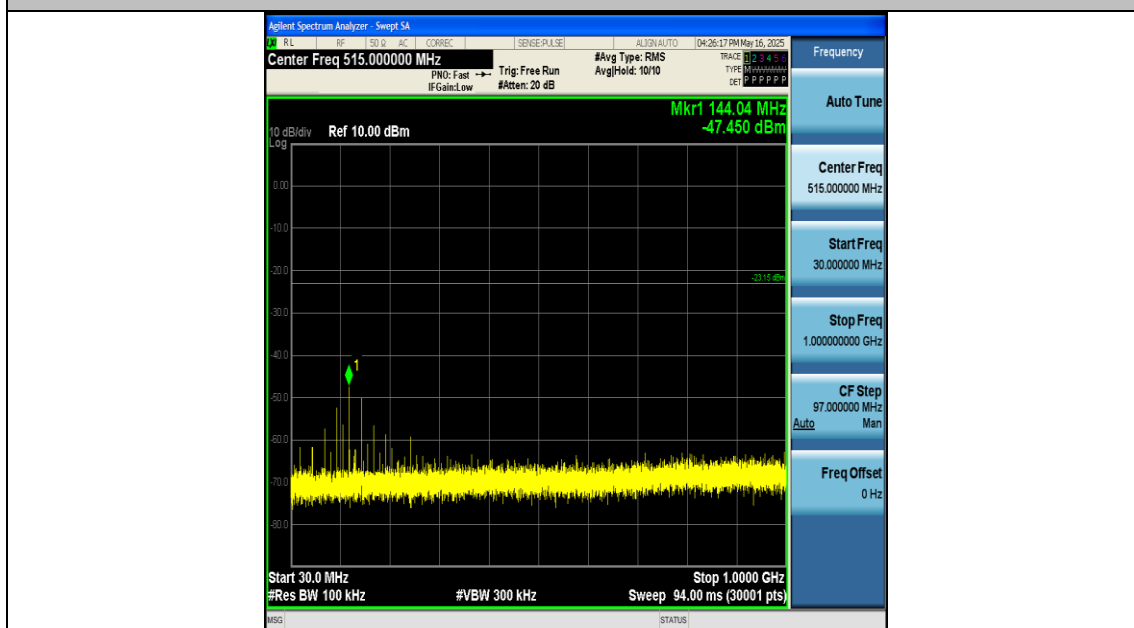
2DH5-Ant1-2441-30~1000-PASS



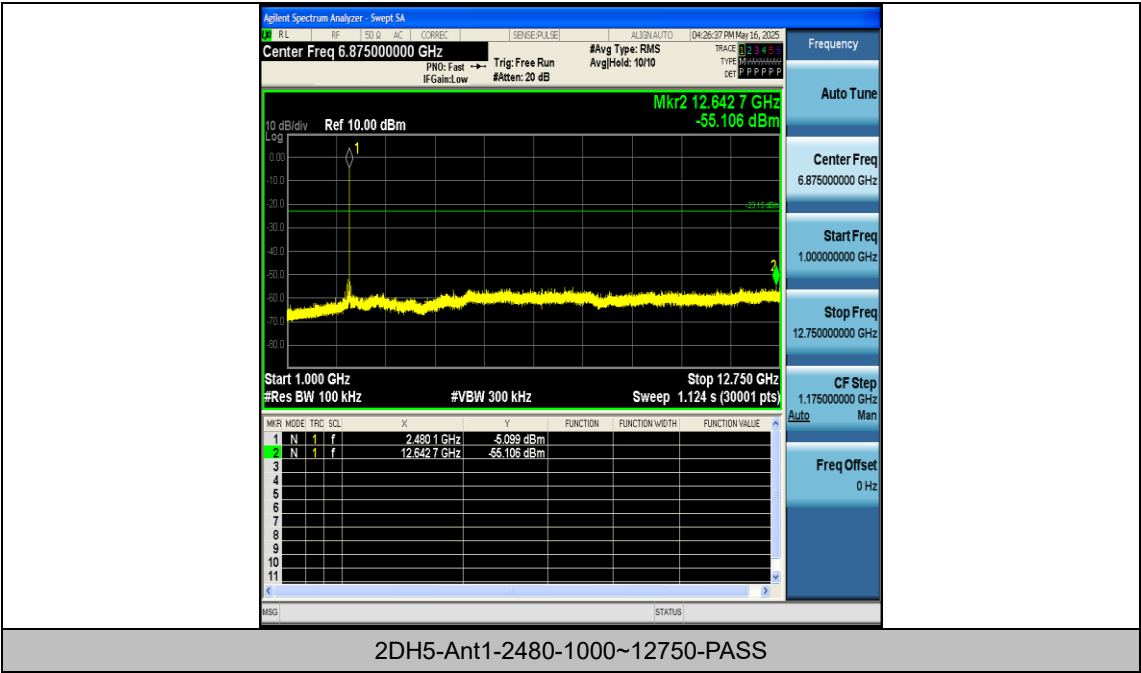
2DH5-Ant1-2441-1000~12750-PASS



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



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



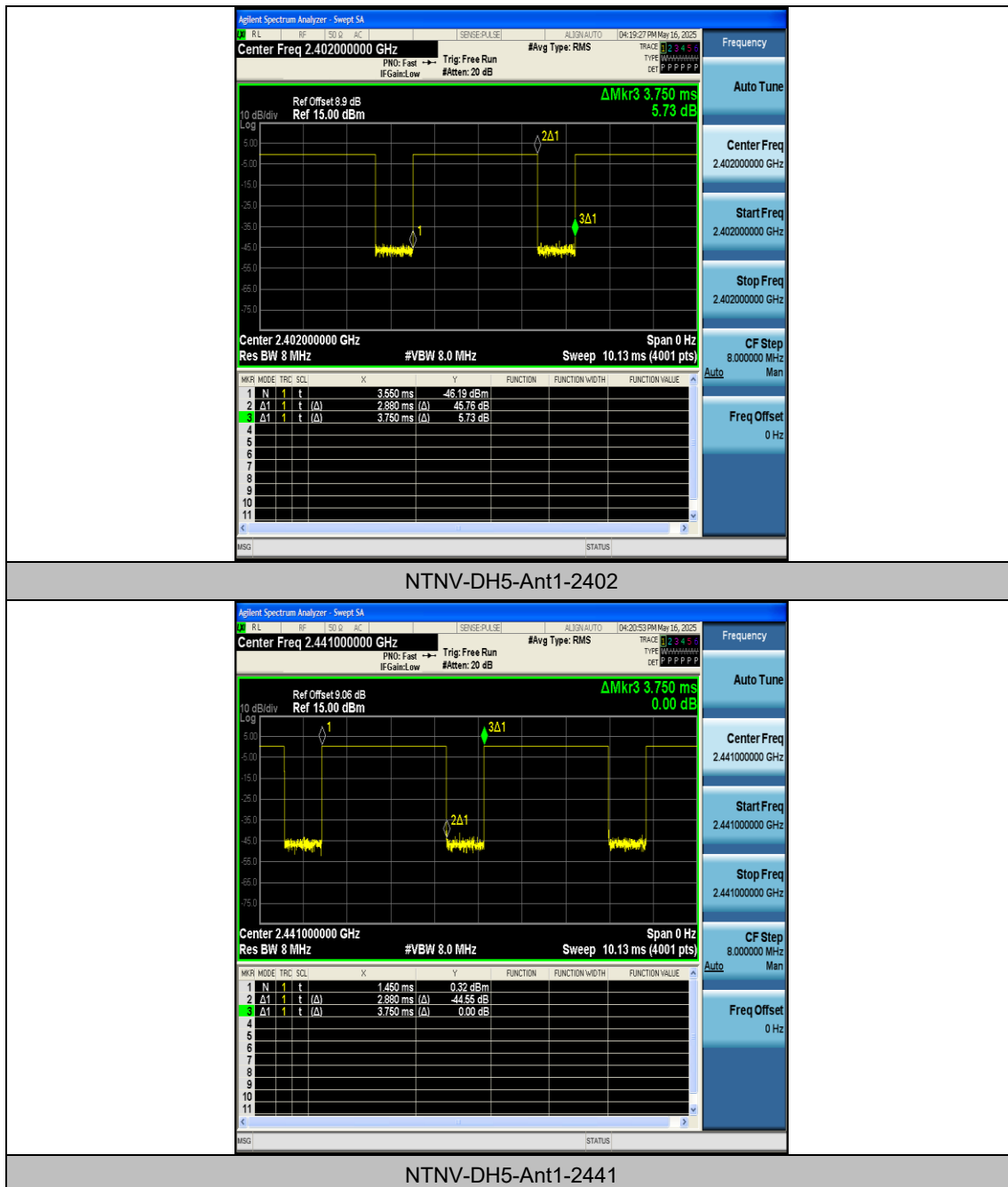
Appendix I: Duty Cycle

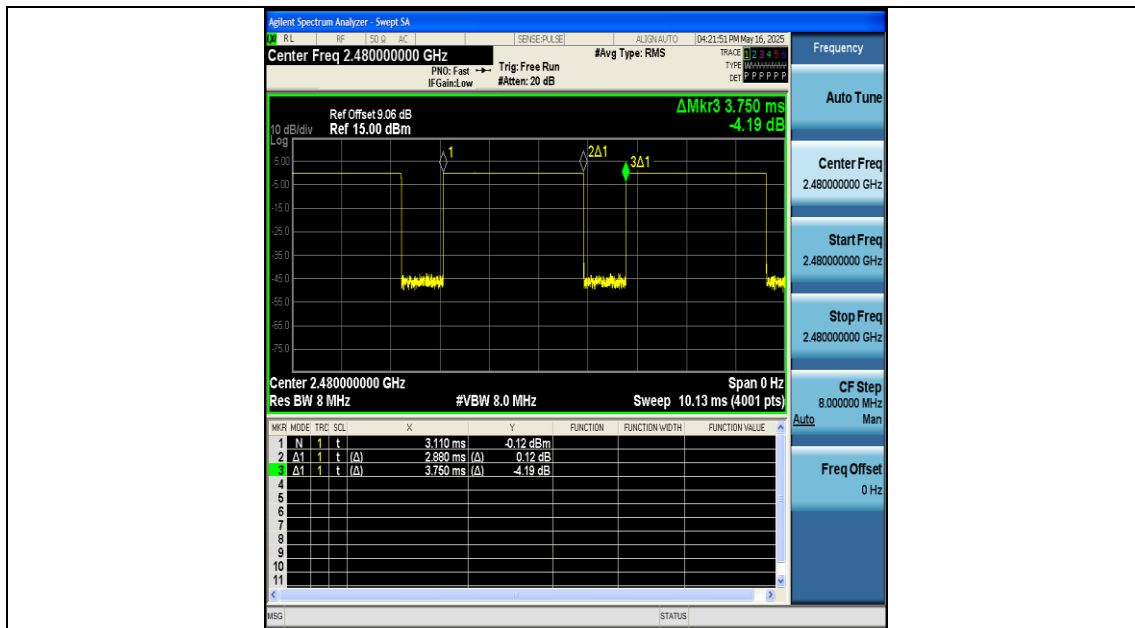
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
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	3.76	76.86	1.14
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13

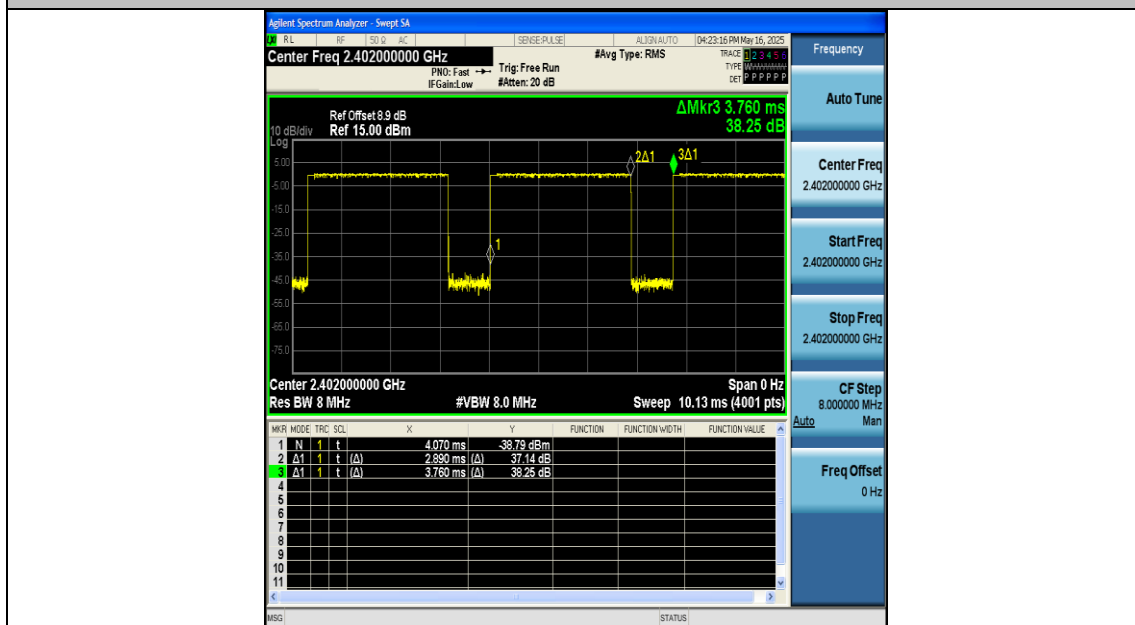
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

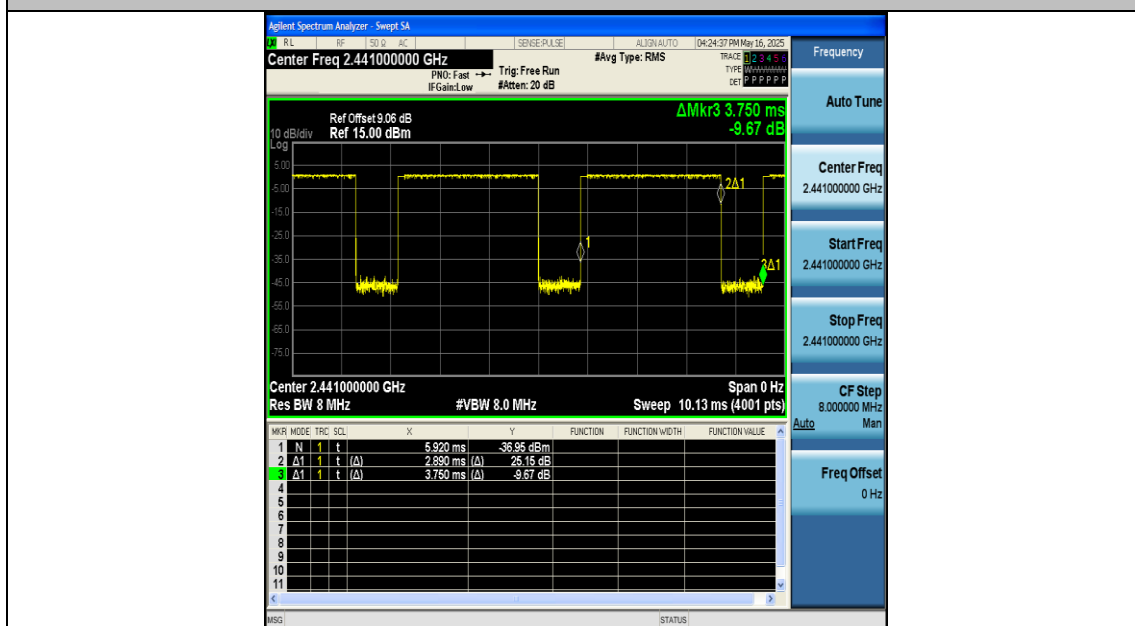




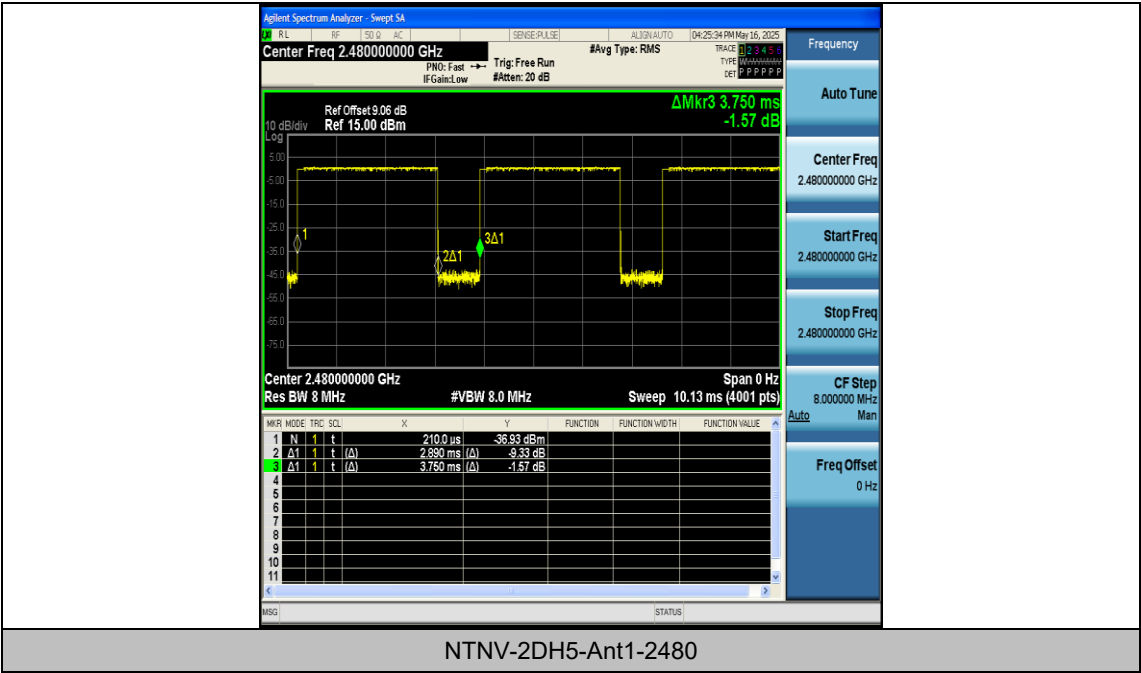
NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480