

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

Product Name: True Wireless Stereo Bluetooth Headset

Trade Mark: aigo

Test Model: TJ36

FCC ID: 2ASNB-TJ36

Environmental Conditions

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

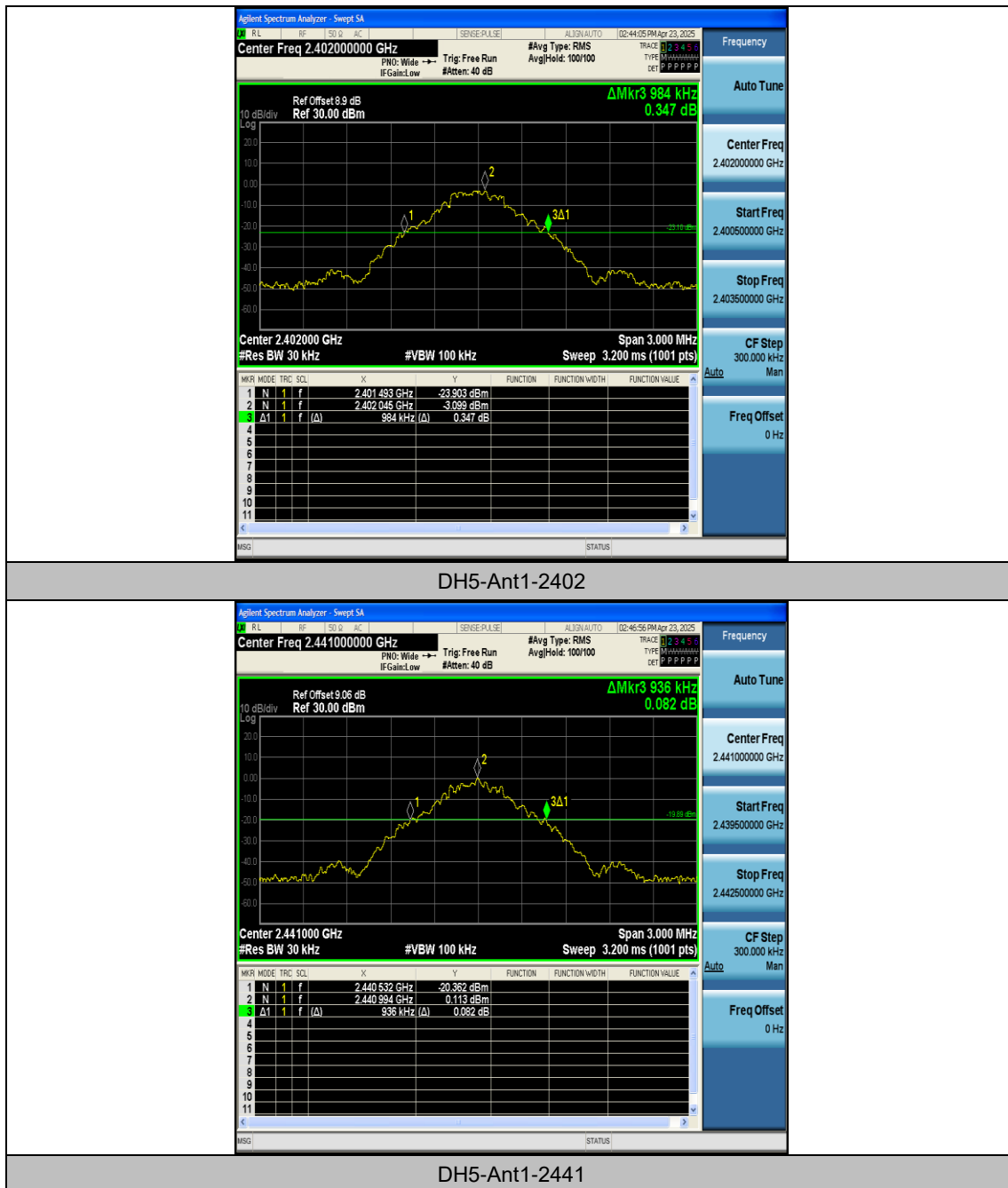
Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.984	2401.493	2402.477	---	---
DH5	Ant1	2441	0.936	2440.532	2441.468	---	---
DH5	Ant1	2480	0.948	2479.529	2480.477	---	---
2DH5	Ant1	2402	1.227	2401.367	2402.594	---	---
2DH5	Ant1	2441	1.245	2440.367	2441.612	---	---
2DH5	Ant1	2480	1.254	2479.367	2480.621	---	---
3DH5	Ant1	2402	1.221	2401.391	2402.612	---	---
3DH5	Ant1	2441	1.308	2440.337	2441.645	---	---
3DH5	Ant1	2480	1.254	2479.358	2480.612	---	---

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

Test Graphs





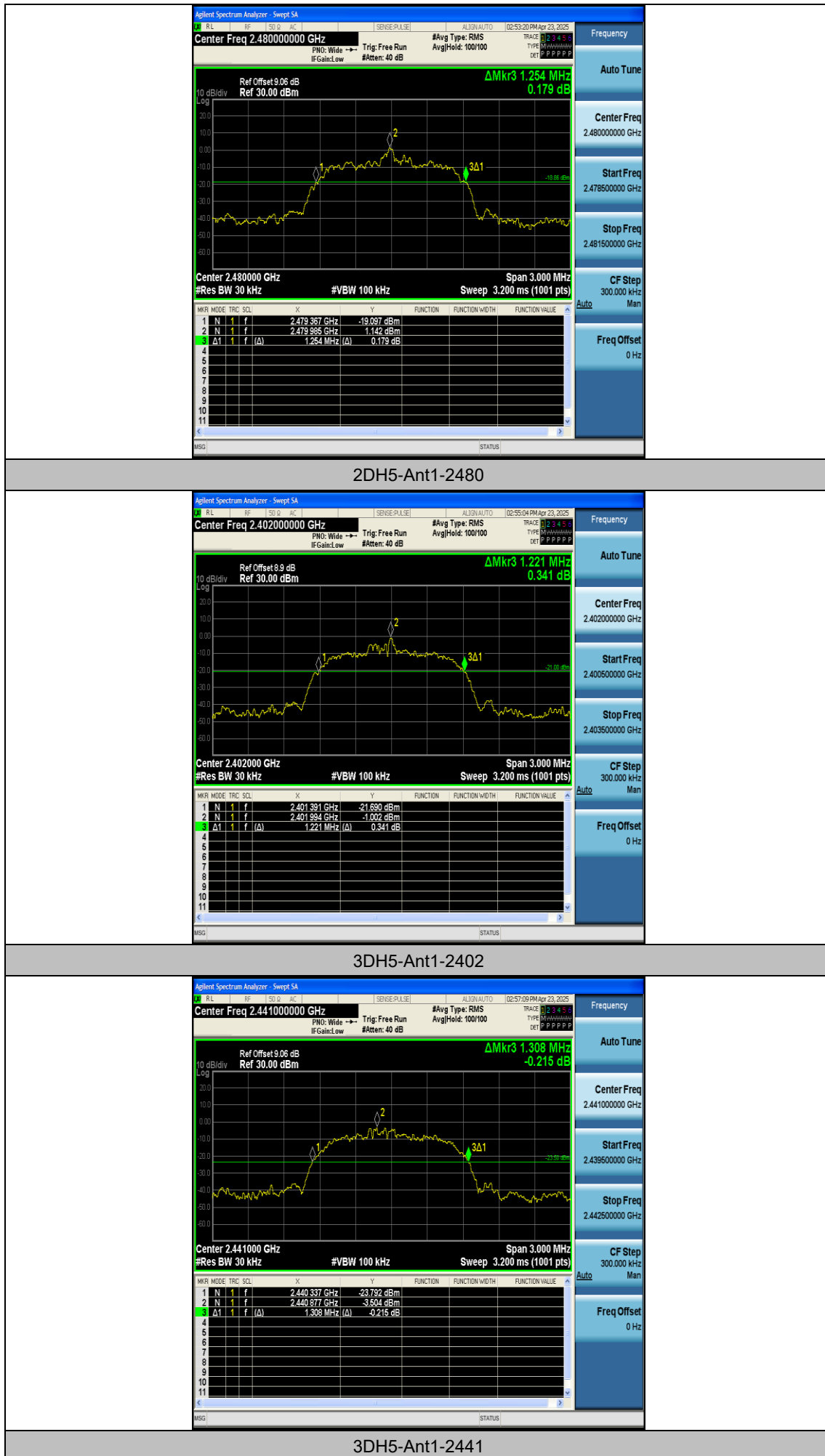
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441





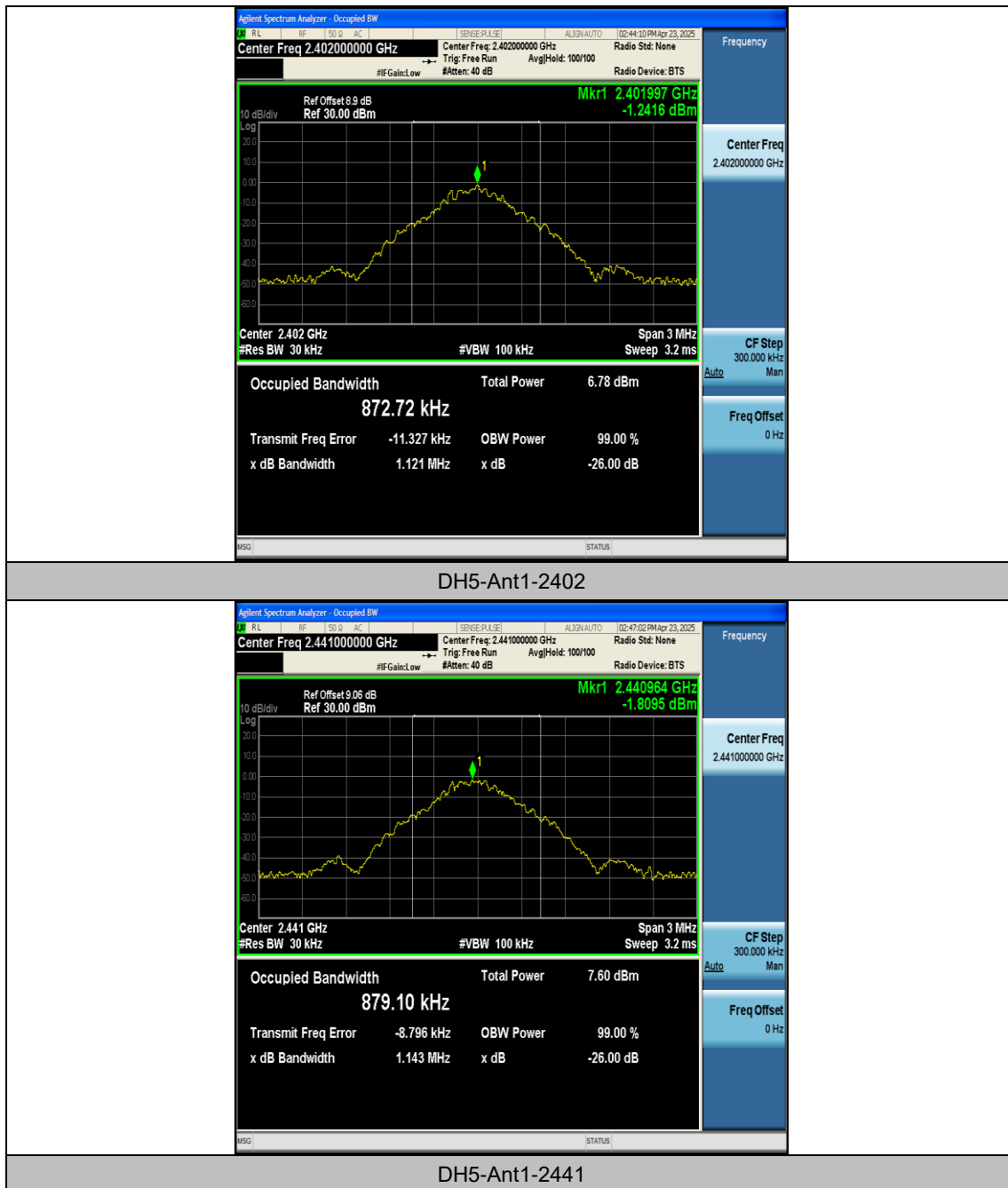
Appendix B: Occupied Channel Bandwidth

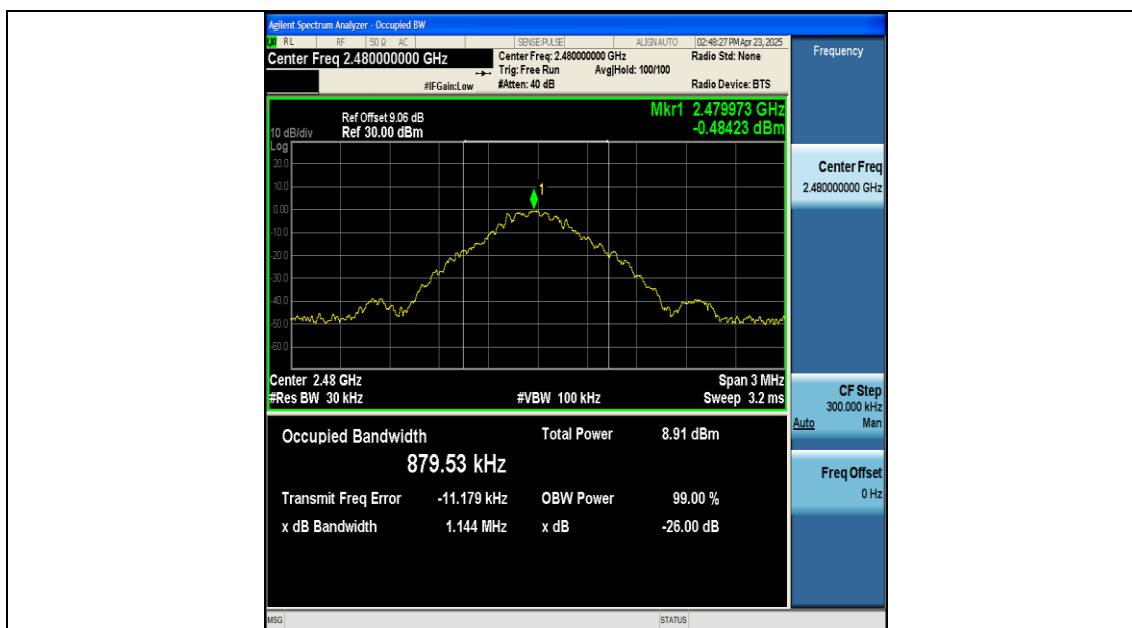
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.87272	2401.5523	2402.4250	---	---
DH5	Ant1	2441	0.87910	2440.5517	2441.4308	---	---
DH5	Ant1	2480	0.87953	2479.5491	2480.4286	---	---
2DH5	Ant1	2402	1.1637	2401.4071	2402.5708	---	---
2DH5	Ant1	2441	1.1674	2440.4023	2441.5697	---	---
2DH5	Ant1	2480	1.1856	2479.3987	2480.5843	---	---
3DH5	Ant1	2402	1.1793	2401.4035	2402.5828	---	---
3DH5	Ant1	2441	1.1814	2440.4036	2441.5850	---	---
3DH5	Ant1	2480	1.1766	2479.4065	2480.5831	---	---

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

Test Graphs





DH5-Ant1-2480



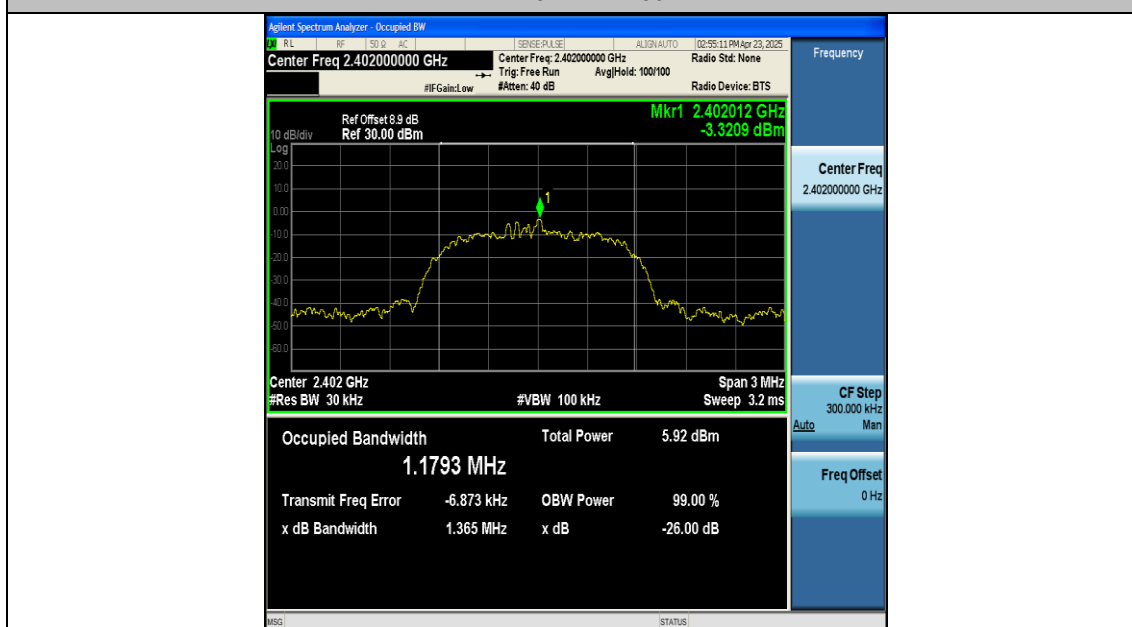
2DH5-Ant1-2402



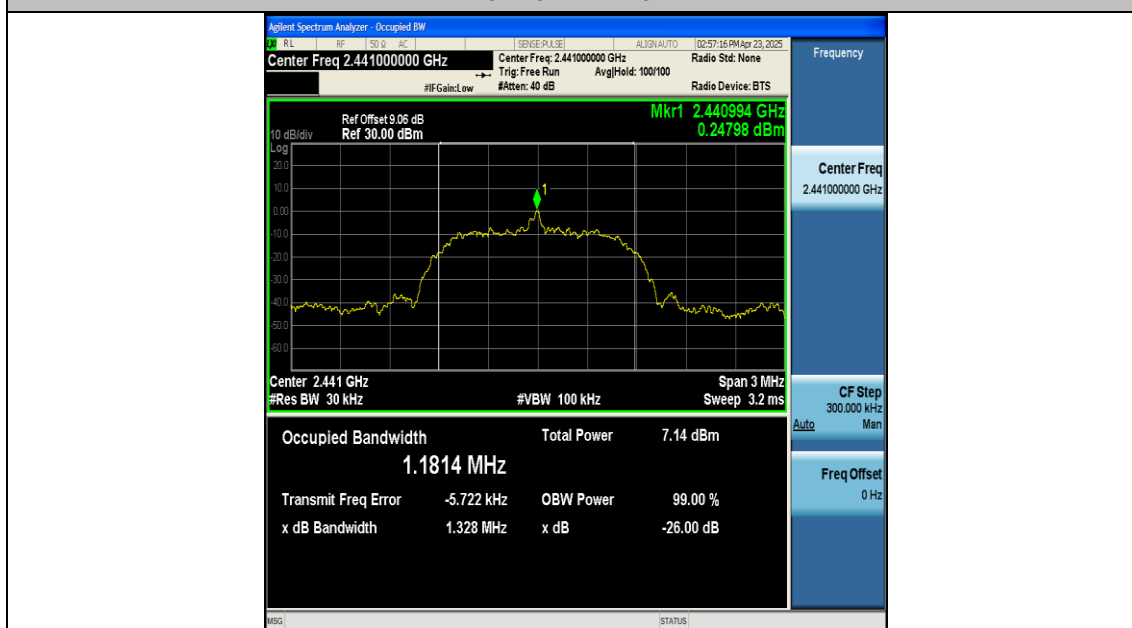
2DH5-Ant1-2441



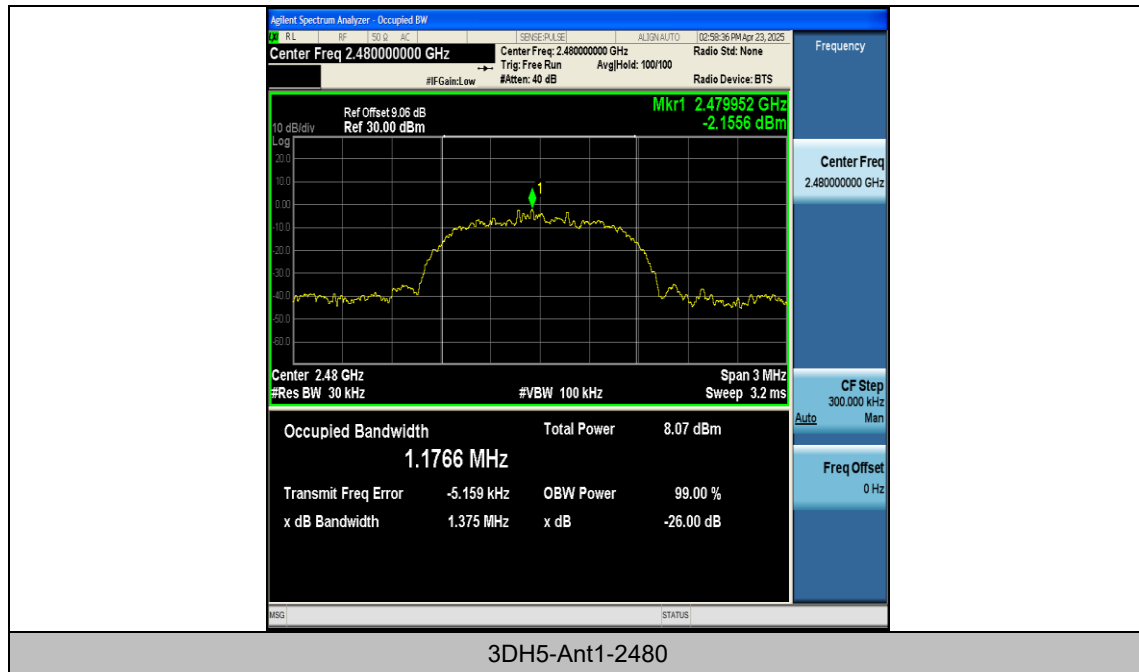
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



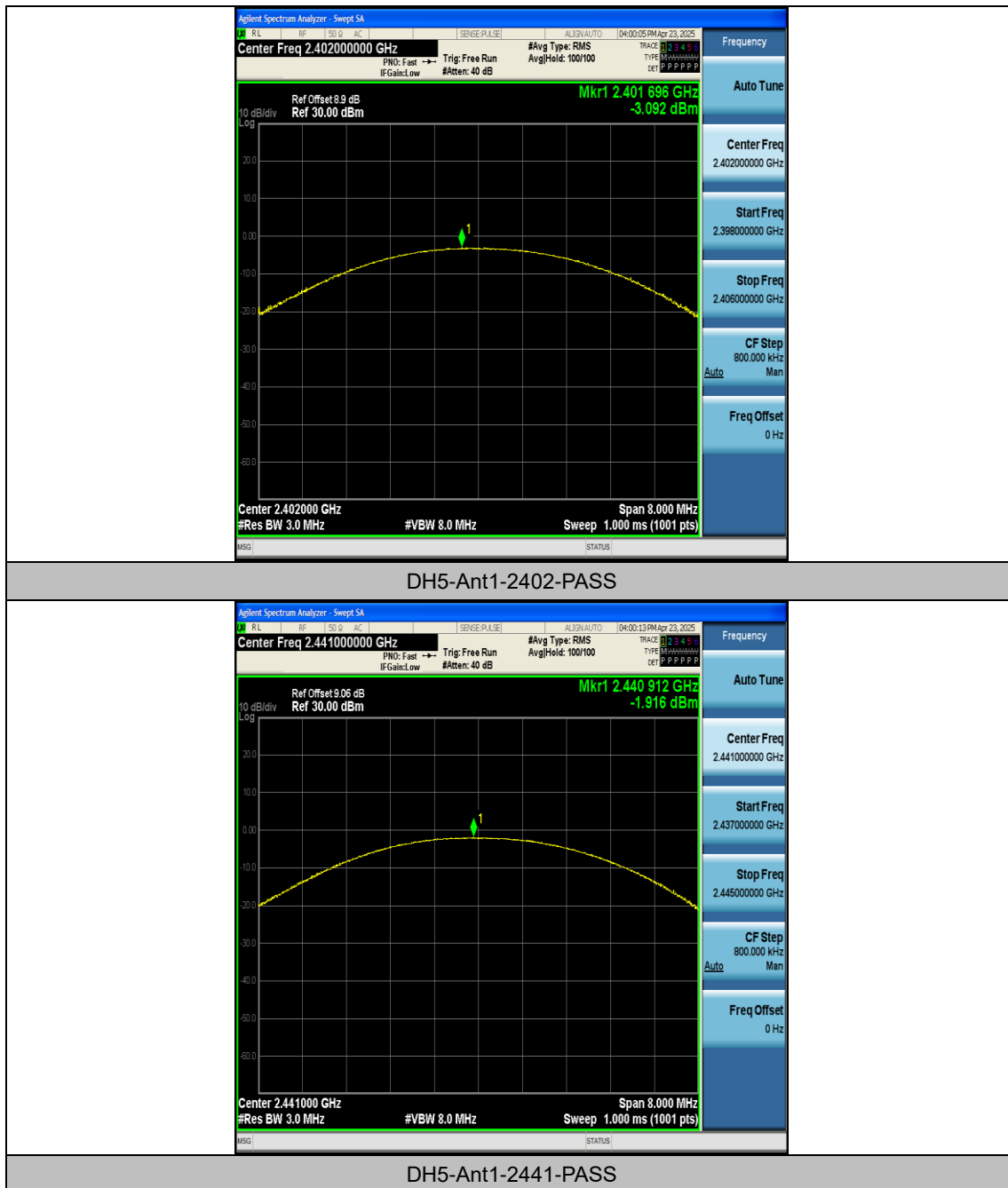
Appendix C: Maximum peak conducted output power

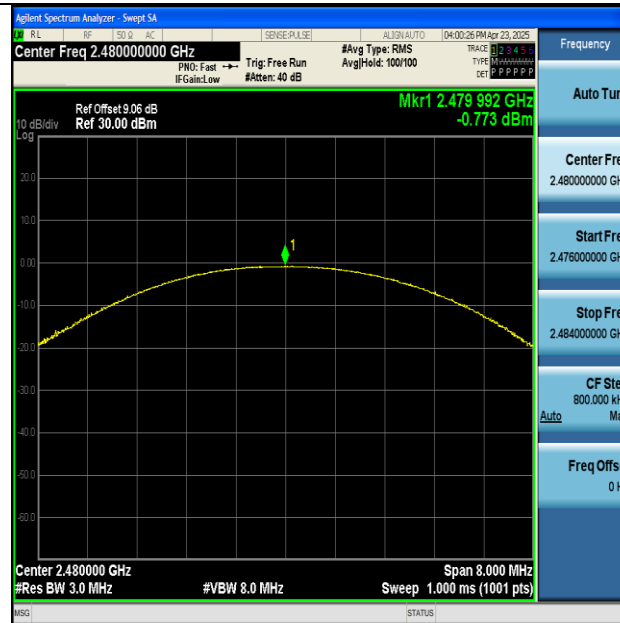
Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-3.09	≤30	PASS
DH5	Ant1	2441	-1.92	≤30	PASS
DH5	Ant1	2480	-0.77	≤30	PASS
2DH5	Ant1	2402	-2.52	≤20.97	PASS
2DH5	Ant1	2441	-1.20	≤20.97	PASS
2DH5	Ant1	2480	0.04	≤20.97	PASS
3DH5	Ant1	2402	-2.02	≤20.97	PASS
3DH5	Ant1	2441	-0.77	≤20.97	PASS
3DH5	Ant1	2480	0.54	≤20.97	PASS

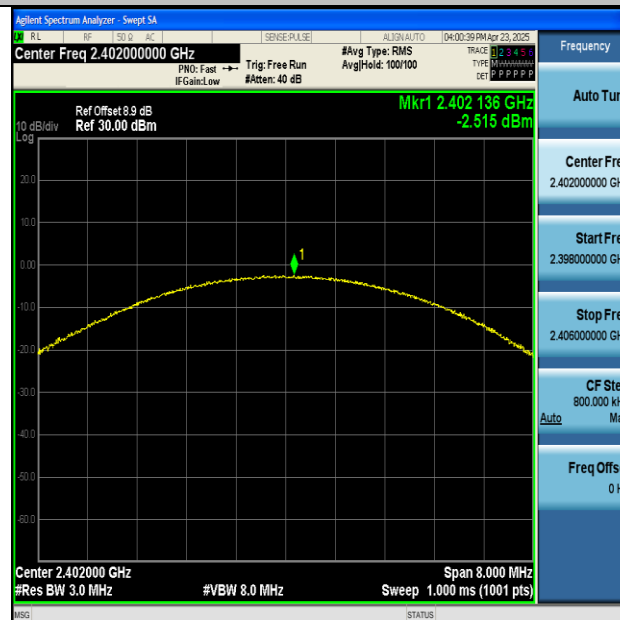
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

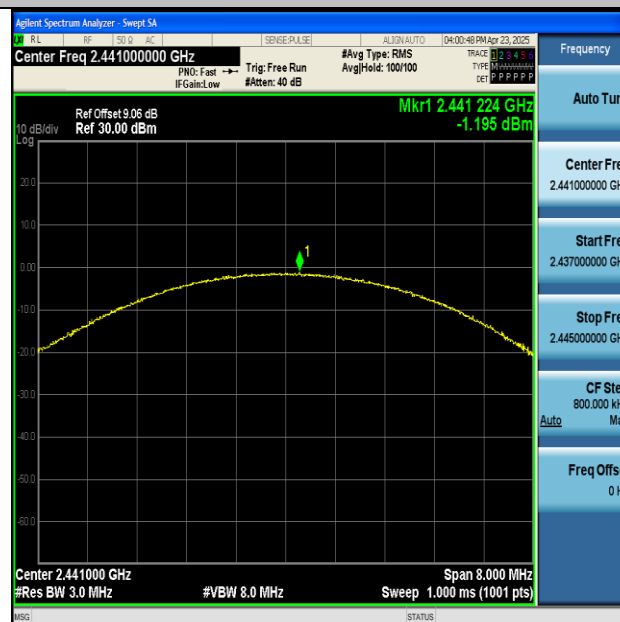




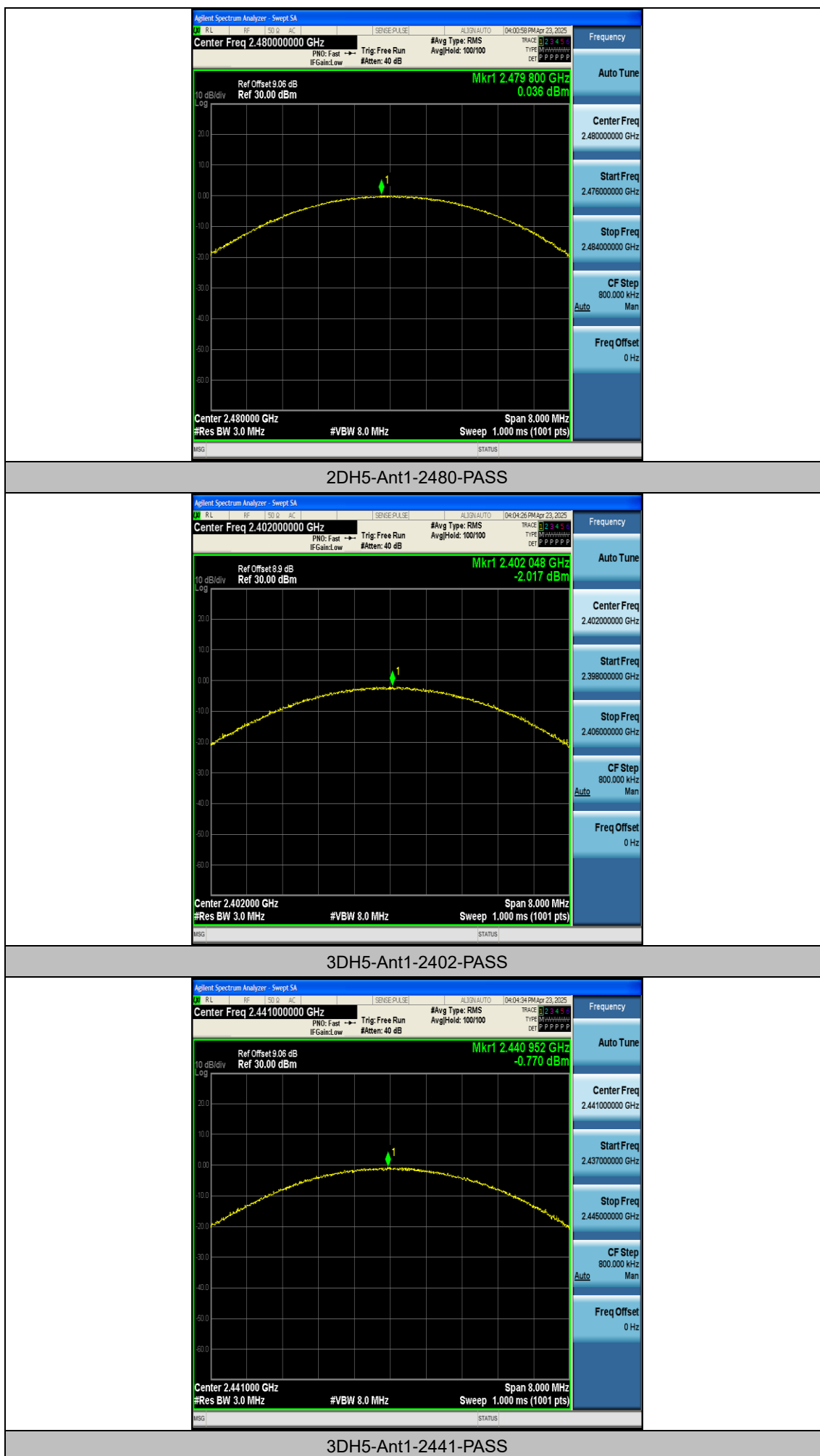
DH5-Ant1-2480-PASS

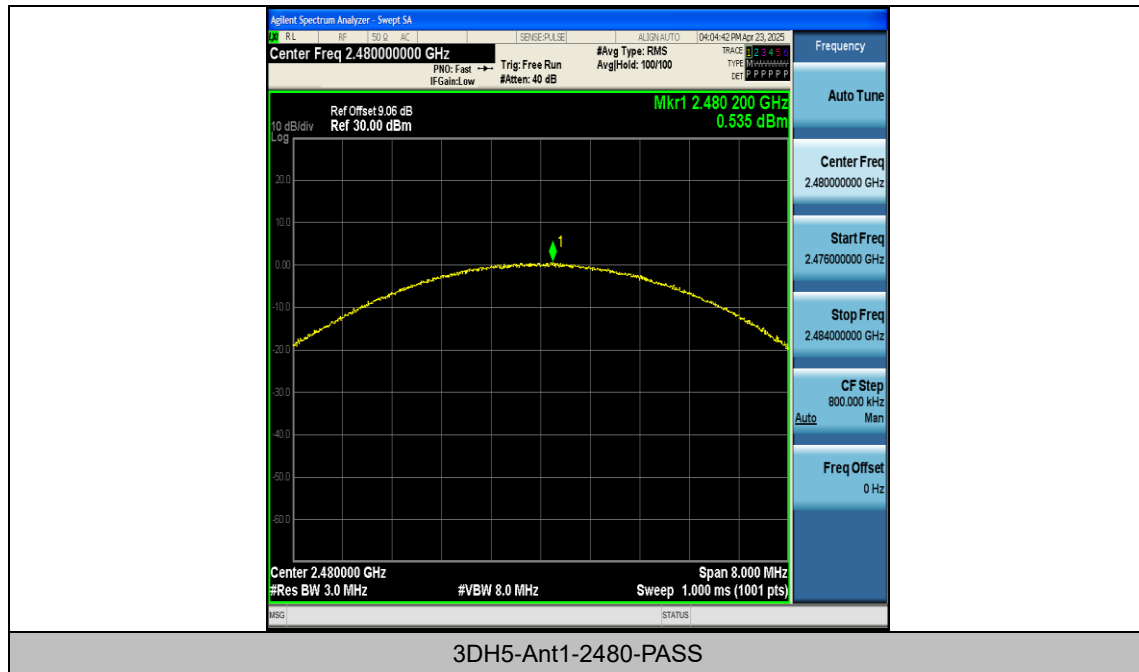


2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS





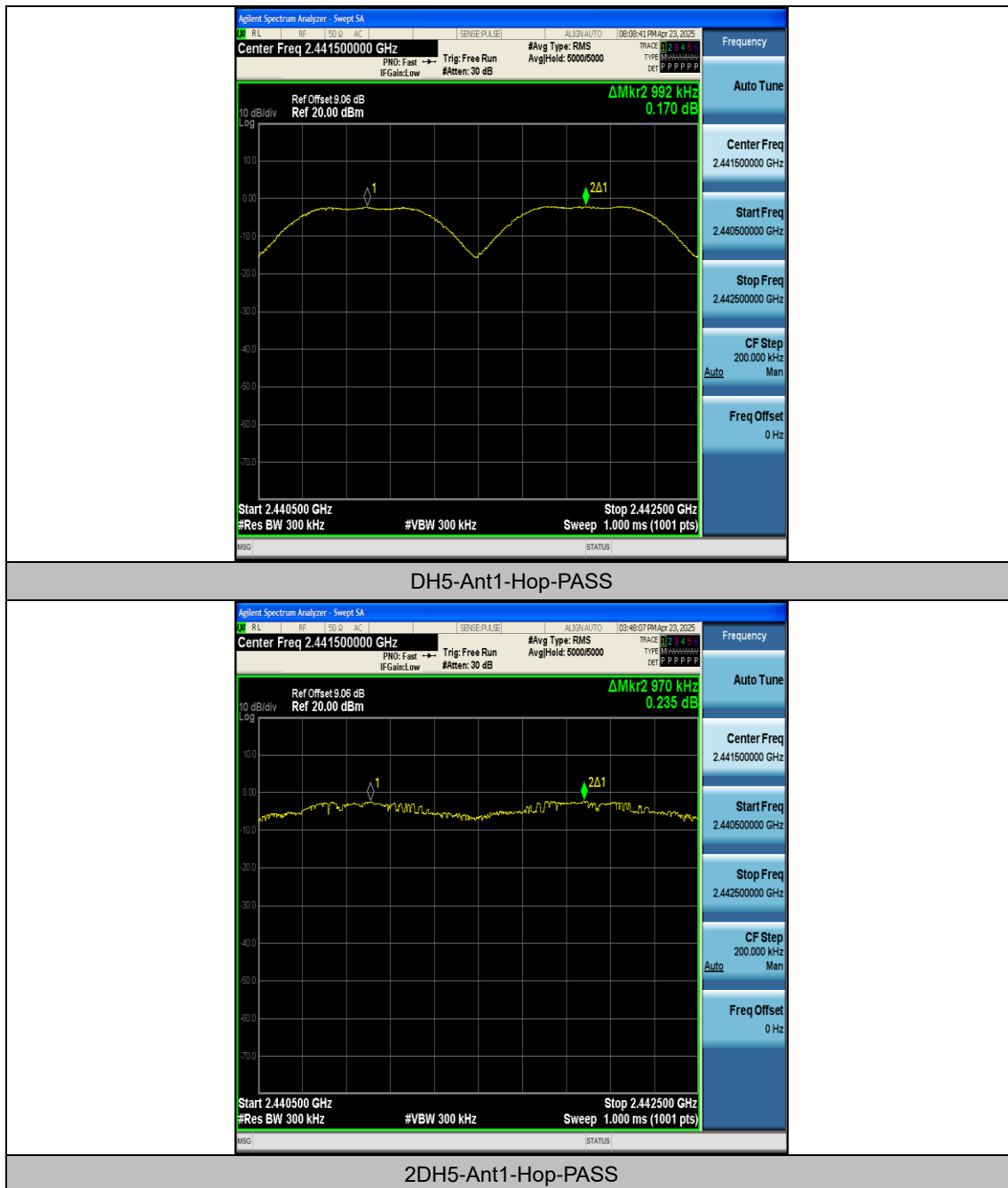
Appendix D: Carrier frequency separation

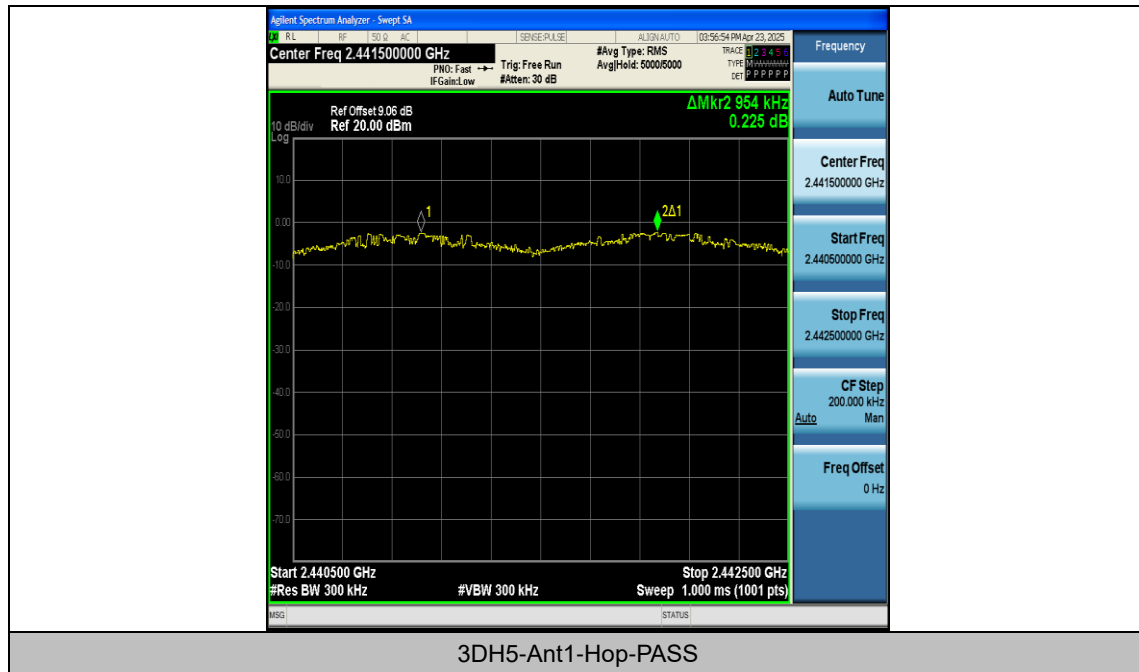
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.992	≥ 0.984	PASS
2DH5	Ant1	Hop	0.97	≥ 0.836	PASS
3DH5	Ant1	Hop	0.954	≥ 0.872	PASS

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

Test Graphs





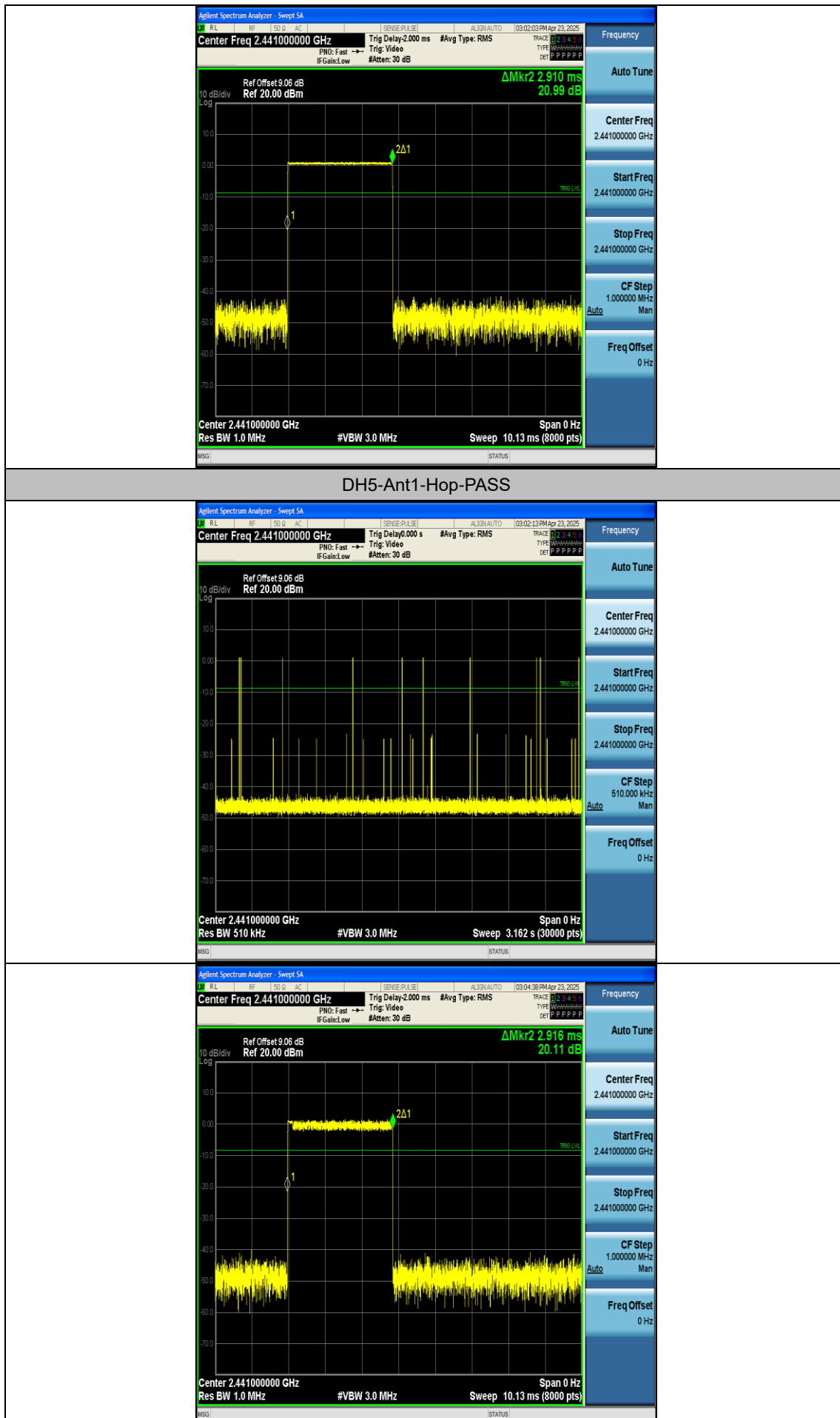
Appendix E: Time of occupancy

Test Result

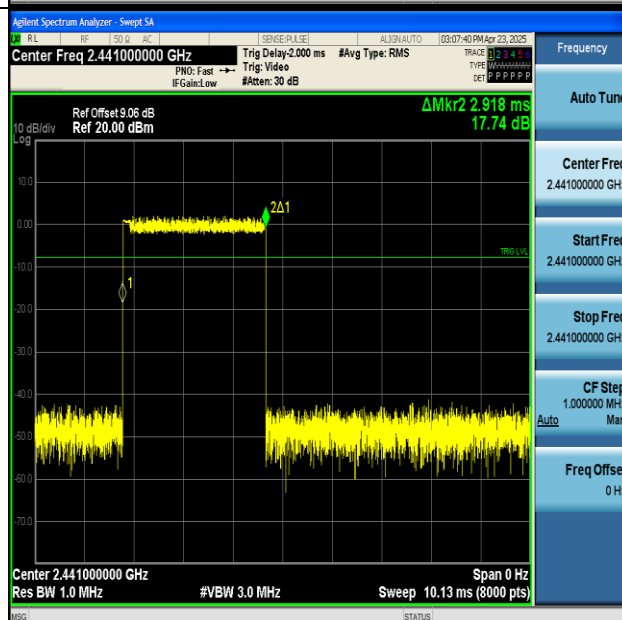
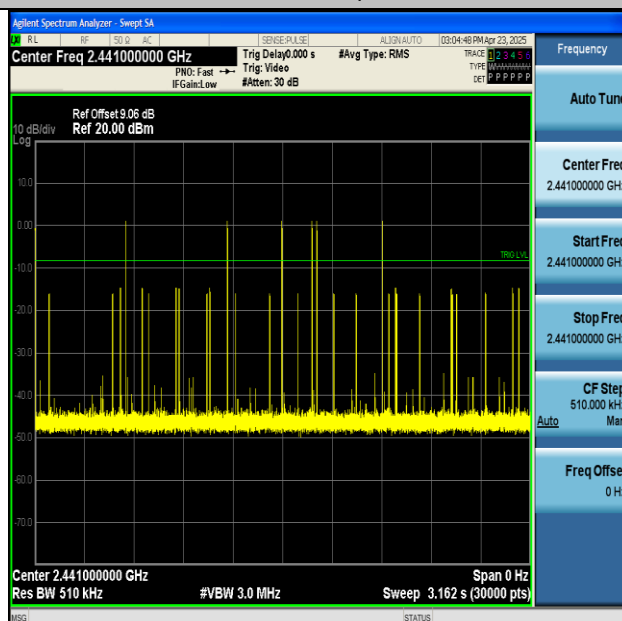
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.910	110	0.32	≤0.4	PASS
2DH5	Ant1	Hop	2.916	70	0.204	≤0.4	PASS
3DH5	Ant1	Hop	2.918	100	0.292	≤0.4	PASS

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

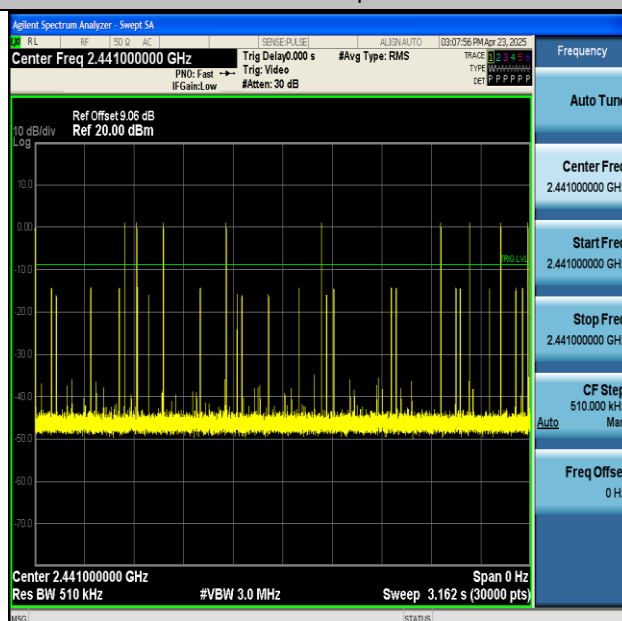
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



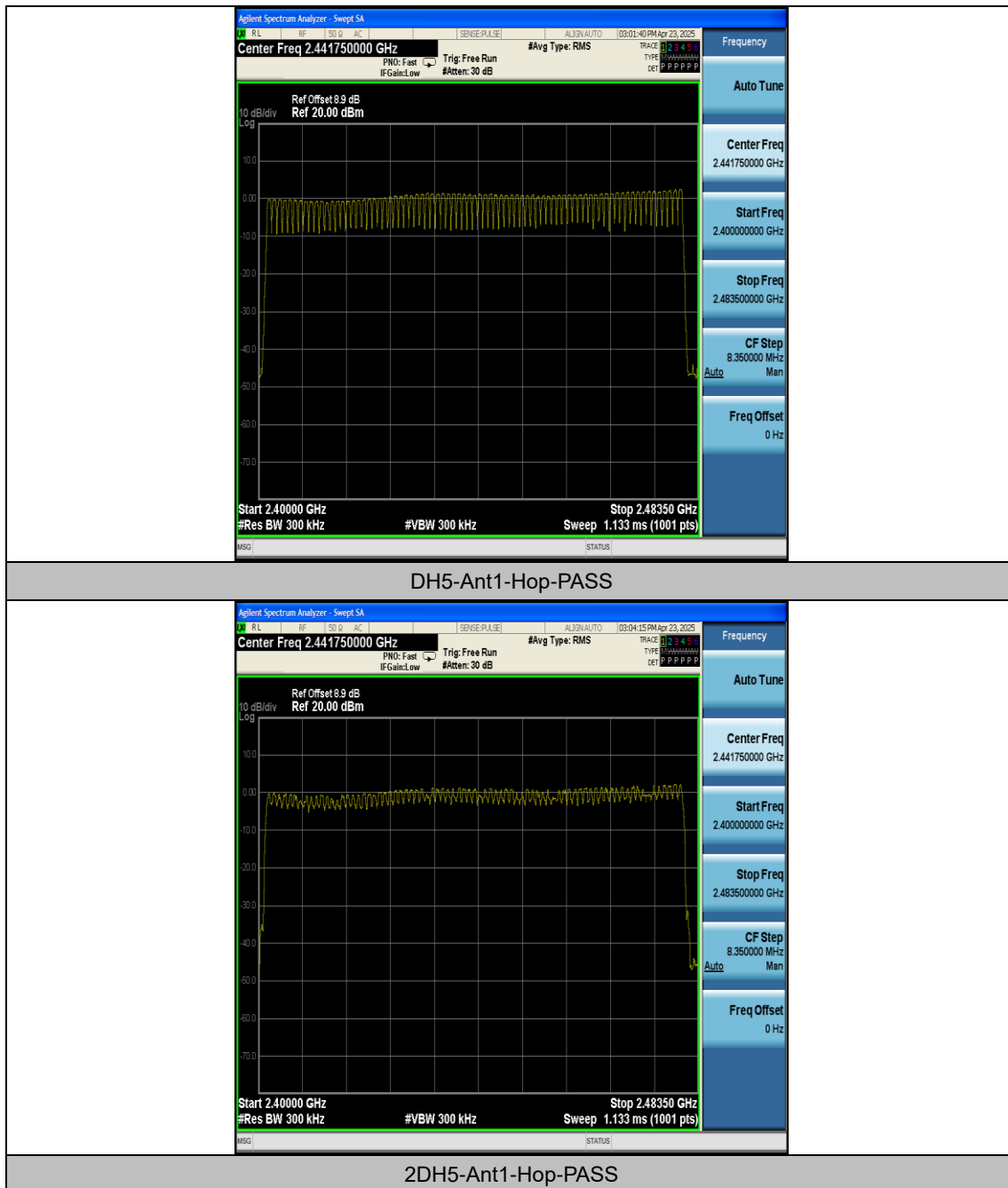
Appendix F: Number of hopping channels

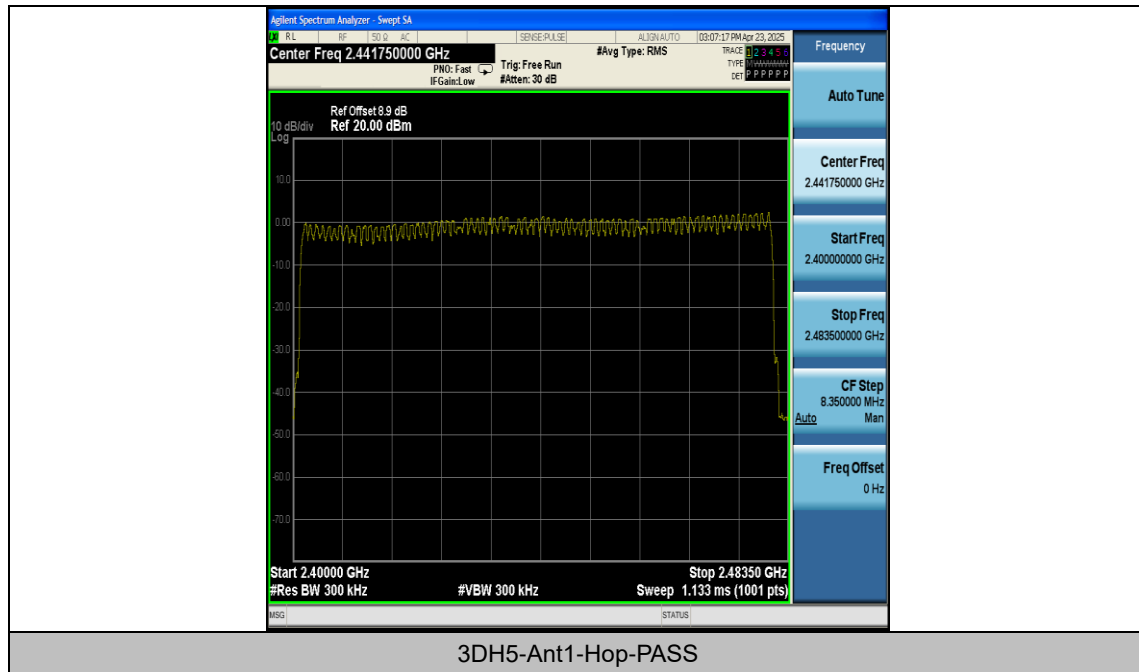
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

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

Test Graphs





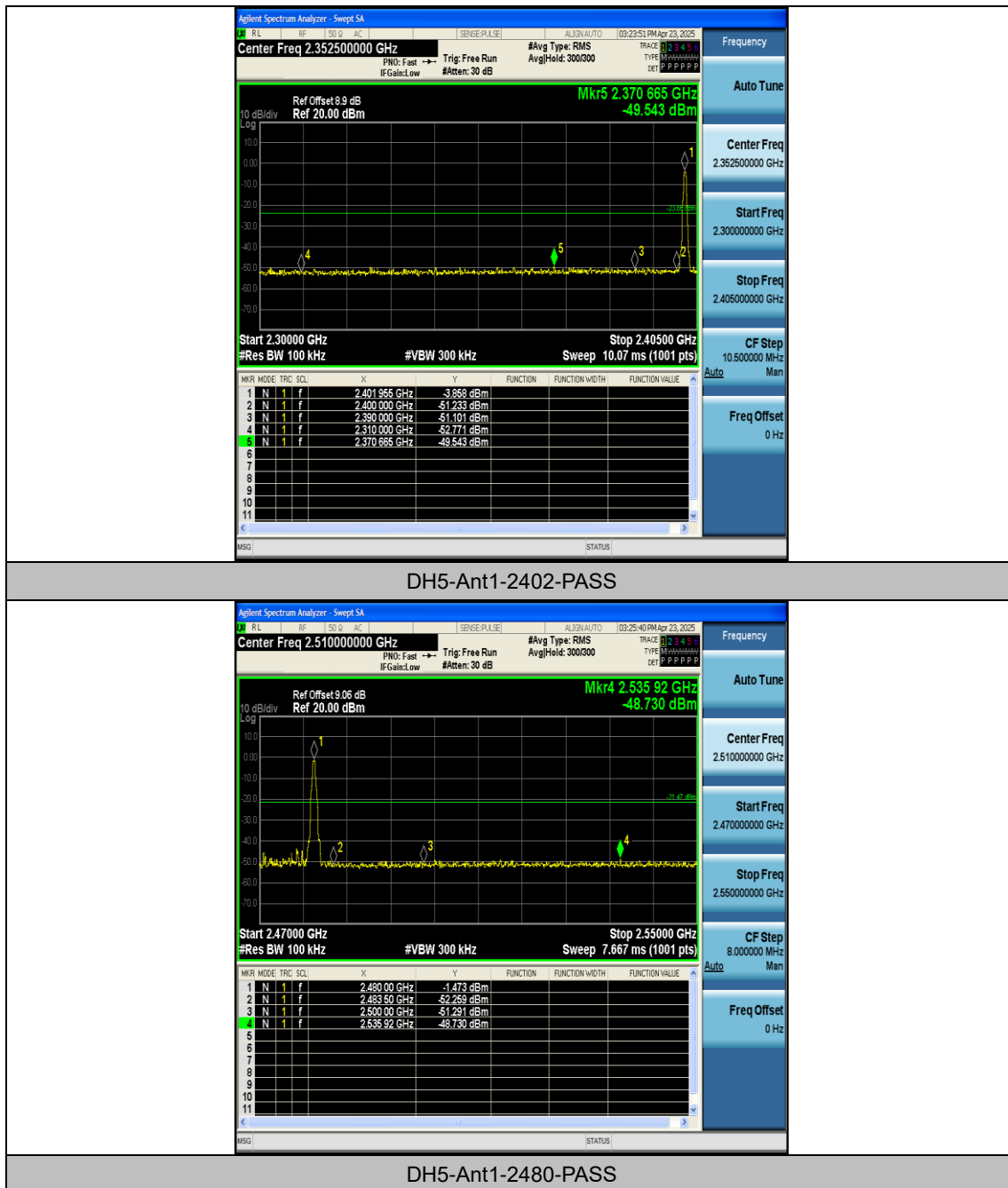
Appendix G: Band edge measurements

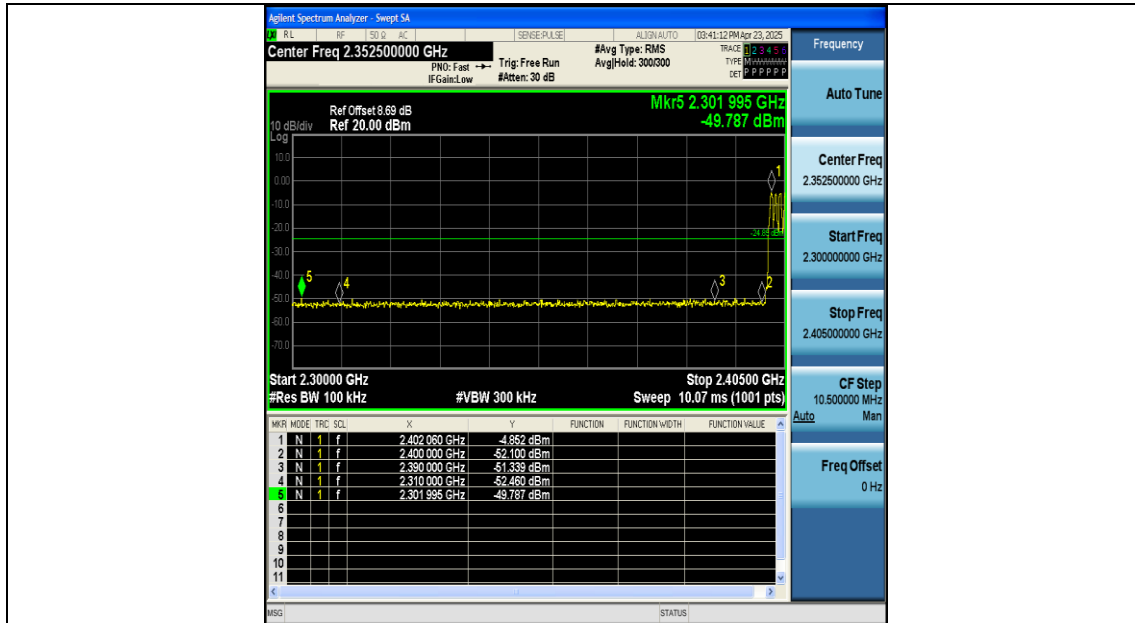
Test Result

Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.86	-49.54	≤-23.86	PASS
DH5	Ant1	High	2480	-1.47	-48.73	≤-21.47	PASS
DH5	Ant1	Low	Hop_2402	-4.85	-49.79	≤-24.85	PASS
DH5	Ant1	High	Hop_2480	-1.92	-48.58	≤-21.92	PASS
2DH5	Ant1	Low	2402	-3.88	-49.23	≤-23.88	PASS
2DH5	Ant1	High	2480	-1.37	-46.29	≤-21.37	PASS
2DH5	Ant1	Low	Hop_2402	-9.44	-48.42	≤-29.44	PASS
2DH5	Ant1	High	Hop_2480	-5.92	-48.92	≤-25.92	PASS
3DH5	Ant1	Low	2402	-3.64	-49.21	≤-23.64	PASS
3DH5	Ant1	High	2480	-1.30	-47.66	≤-21.3	PASS
3DH5	Ant1	Low	Hop_2402	-7.97	-50	≤-27.97	PASS
3DH5	Ant1	High	Hop_2480	-3.49	-48.58	≤-23.49	PASS

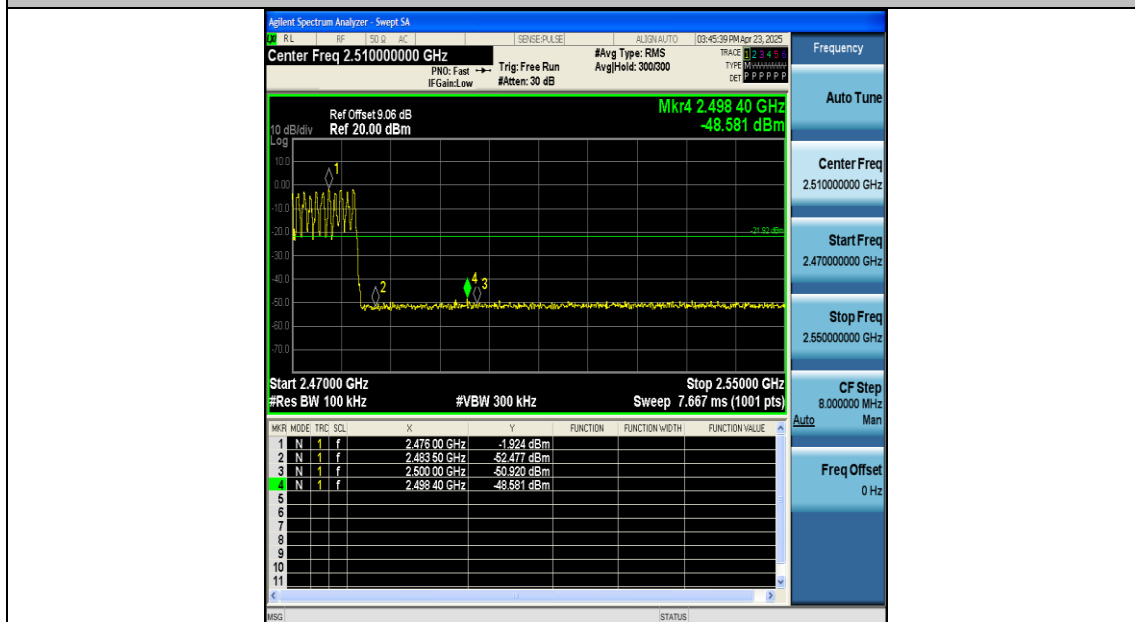
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

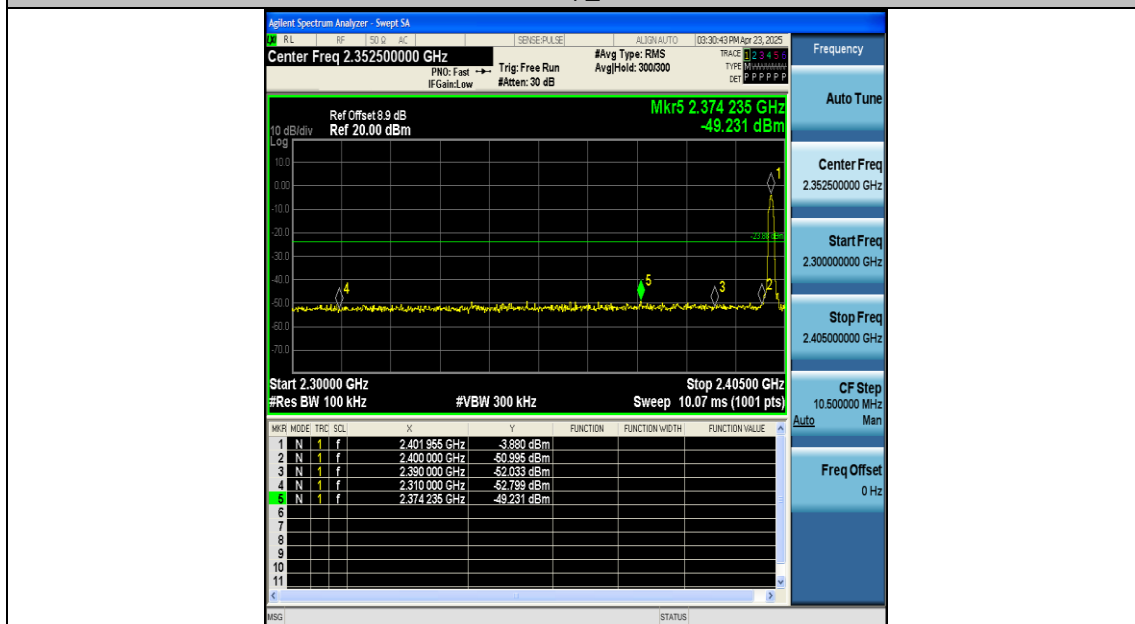




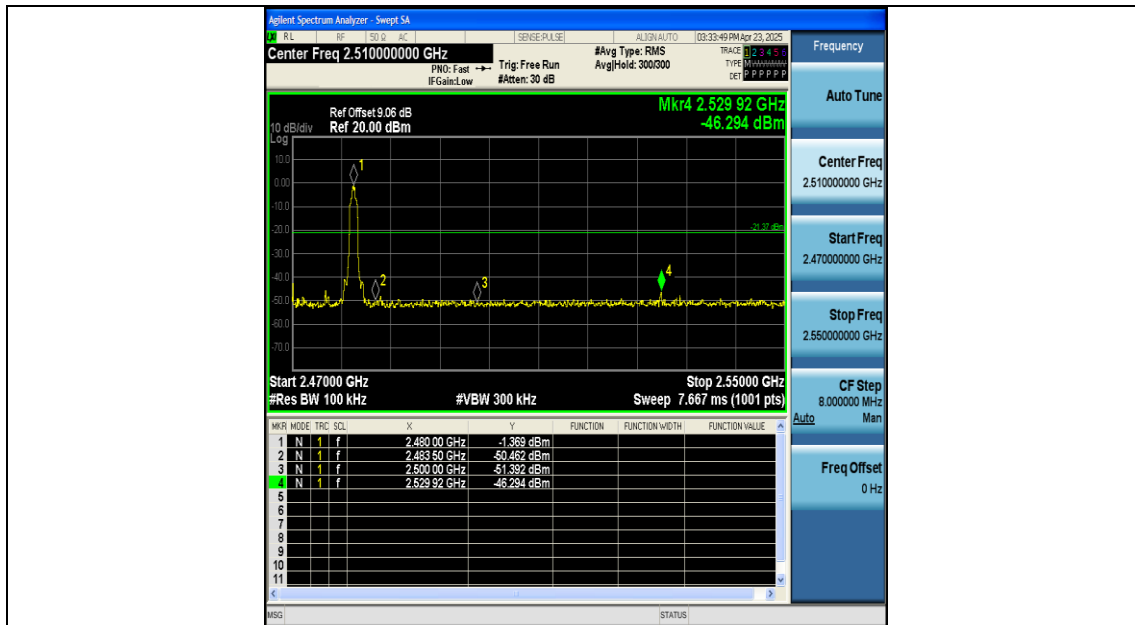
DH5-Ant1-Hop_2402-PASS



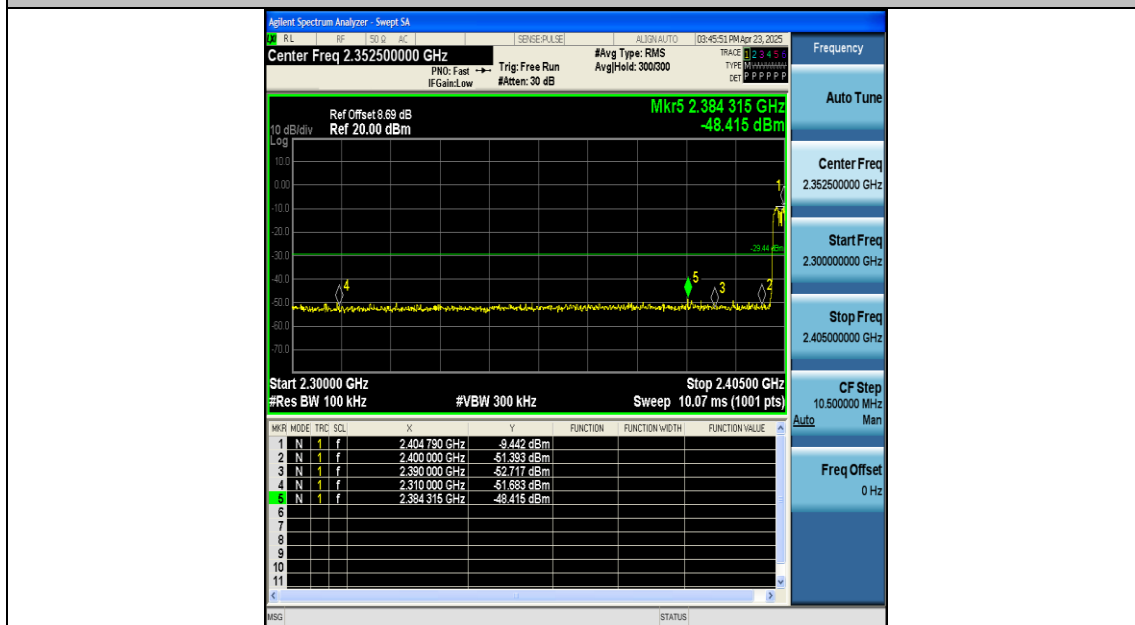
DH5-Ant1-Hop_2480-PASS



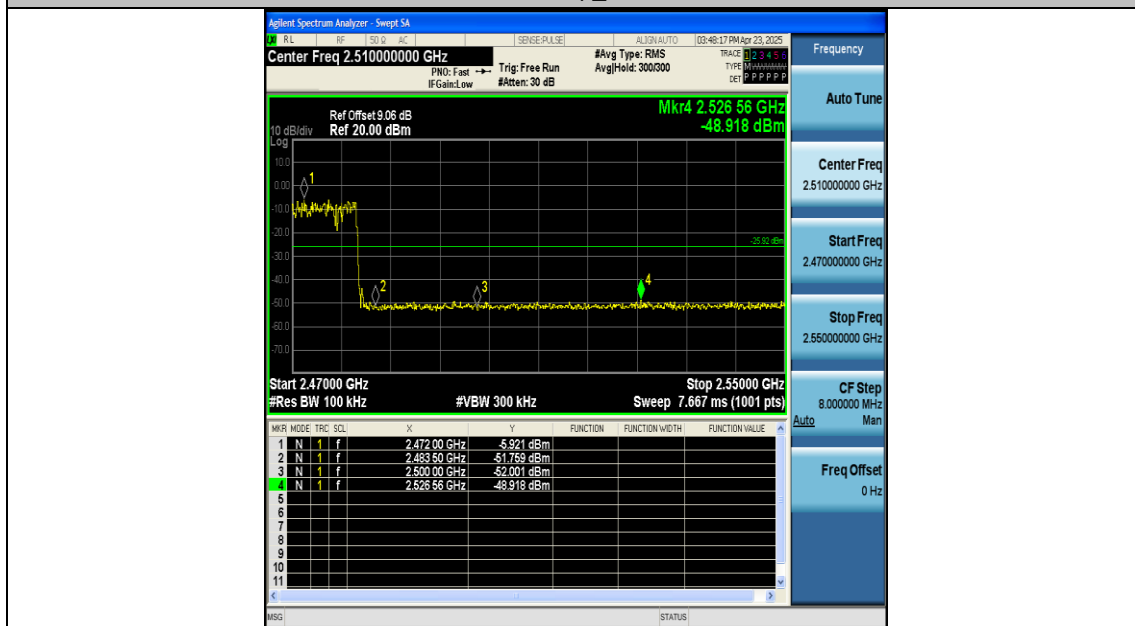
2DH5-Ant1-2402-PASS



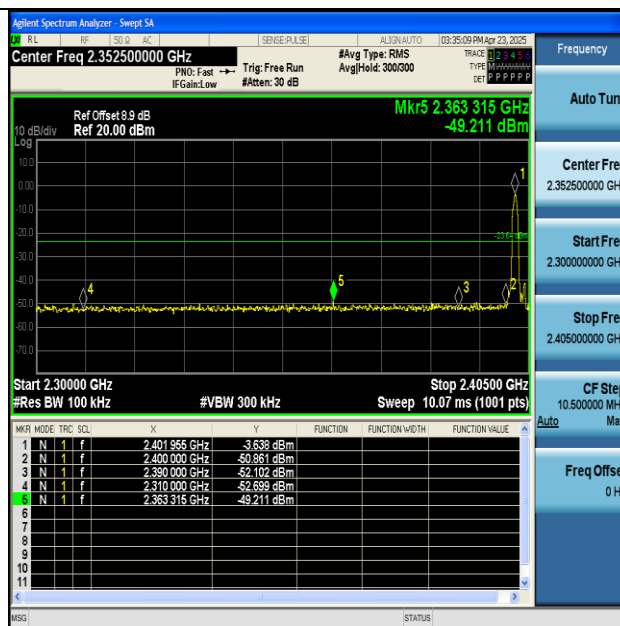
2DH5-Ant1-2480-PASS



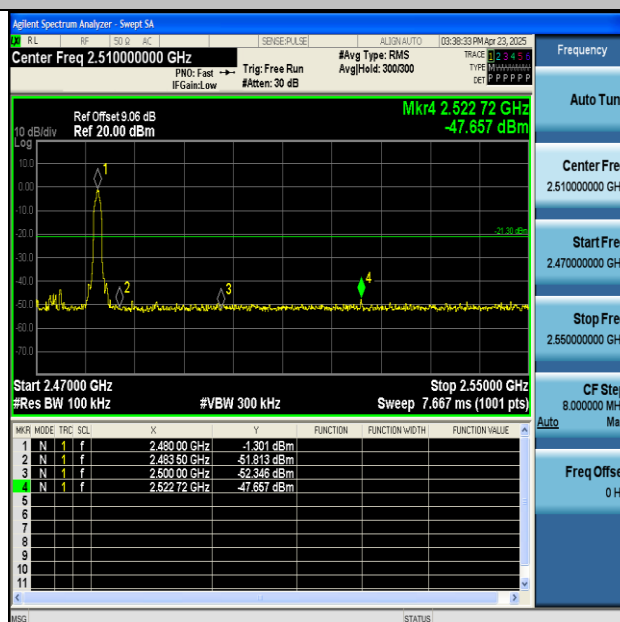
2DH5-Ant1-Hop_2402-PASS



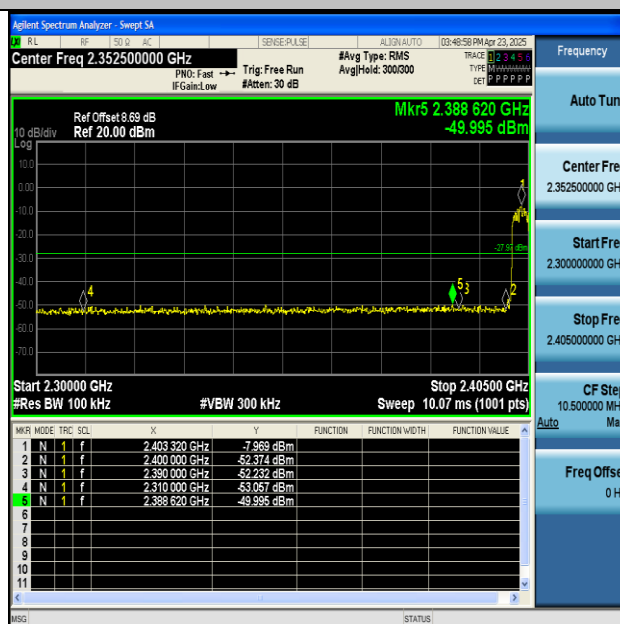
2DH5-Ant1-Hop_2480-PASS



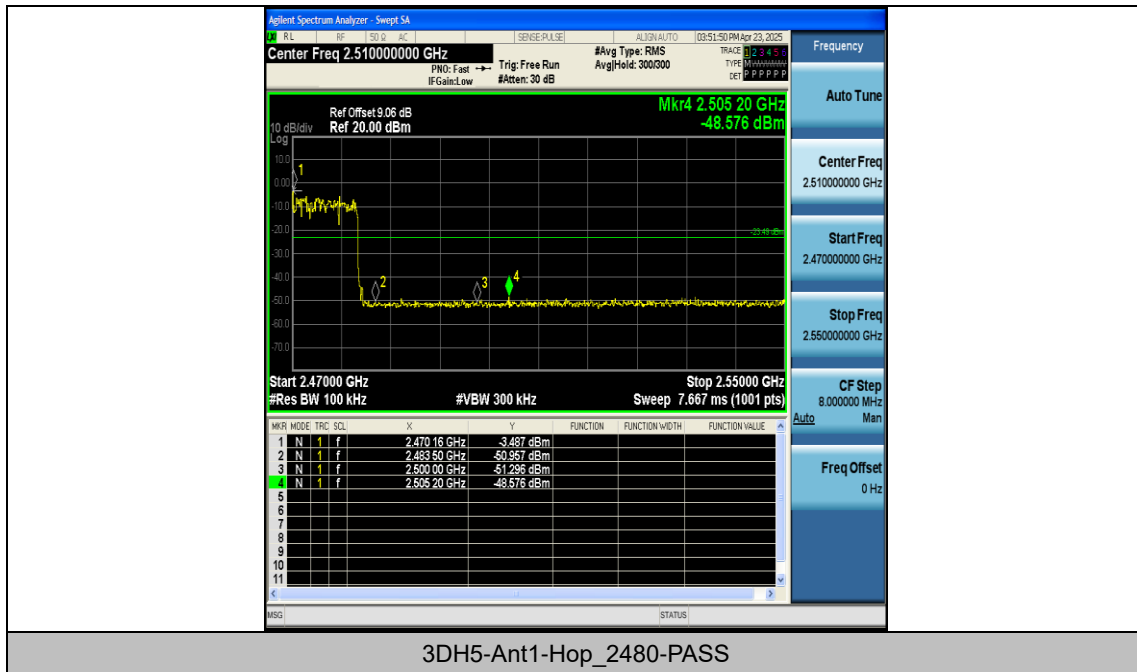
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



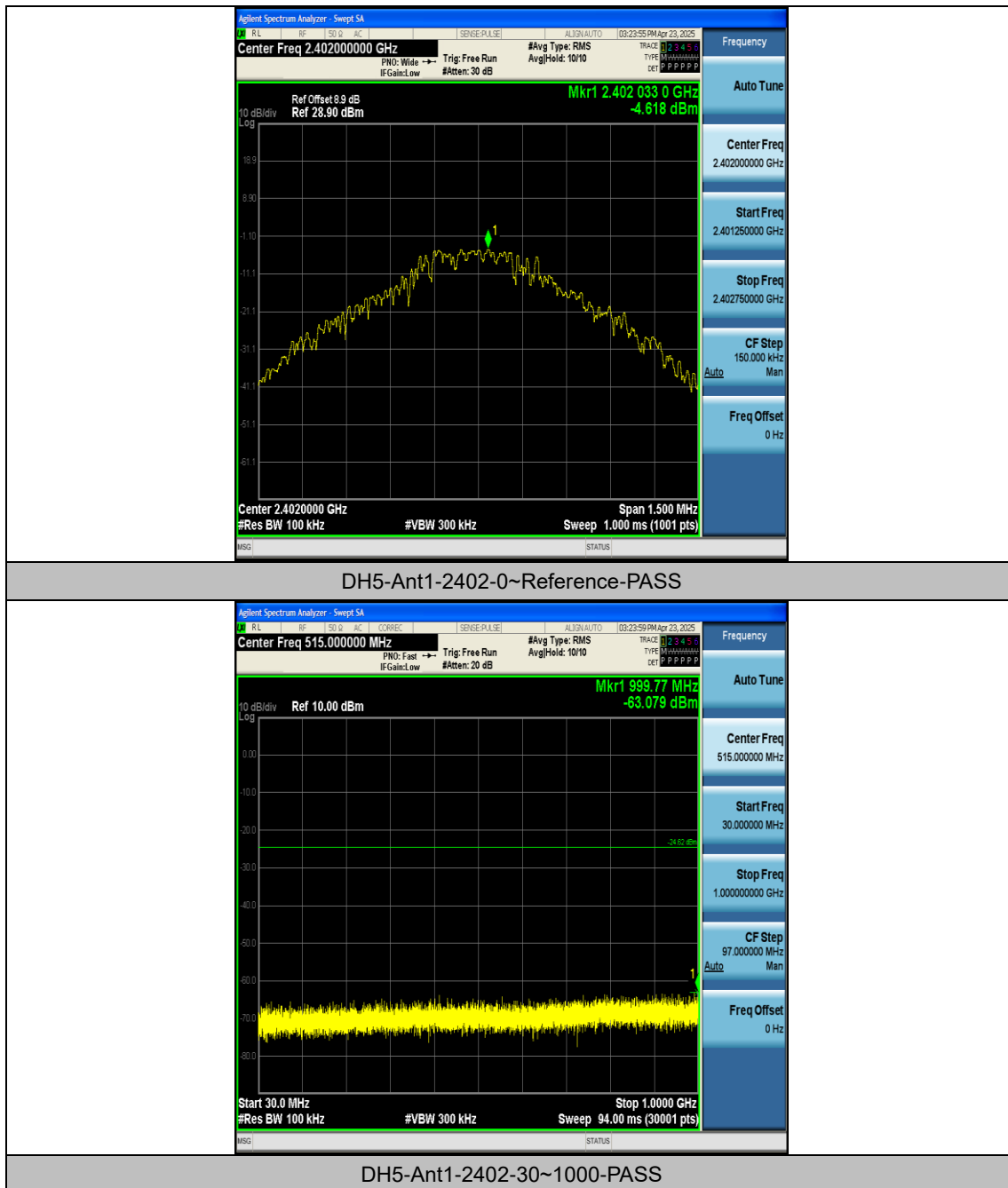
Appendix H: Conducted Spurious Emission

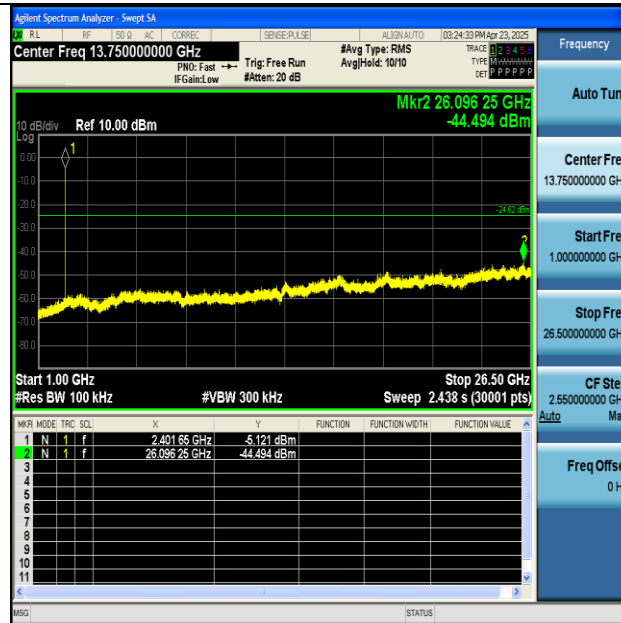
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-4.62	-4.62	---	PASS
DH5	Ant1	2402	30~1000	-4.62	-63.08	≤-24.62	PASS
DH5	Ant1	2402	1000~26500	-4.62	-44.49	≤-24.62	PASS
DH5	Ant1	2441	0~Reference	-2.75	-2.75	---	PASS
DH5	Ant1	2441	30~1000	-2.75	-63	≤-22.75	PASS
DH5	Ant1	2441	1000~26500	-2.75	-45.65	≤-22.75	PASS
DH5	Ant1	2480	0~Reference	-2.26	-2.26	---	PASS
DH5	Ant1	2480	30~1000	-2.26	-62.12	≤-22.26	PASS
DH5	Ant1	2480	1000~26500	-2.26	-45.05	≤-22.26	PASS
2DH5	Ant1	2402	0~Reference	-5.07	-5.07	---	PASS
2DH5	Ant1	2402	30~1000	-5.07	-62.45	≤-25.07	PASS
2DH5	Ant1	2402	1000~26500	-5.07	-45.63	≤-25.07	PASS
2DH5	Ant1	2441	0~Reference	-4.59	-4.59	---	PASS
2DH5	Ant1	2441	30~1000	-4.59	-62.81	≤-24.59	PASS
2DH5	Ant1	2441	1000~26500	-4.59	-45.12	≤-24.59	PASS
2DH5	Ant1	2480	0~Reference	-3.56	-3.56	---	PASS
2DH5	Ant1	2480	30~1000	-3.56	-62.14	≤-23.56	PASS
2DH5	Ant1	2480	1000~26500	-3.56	-45.38	≤-23.56	PASS
3DH5	Ant1	2402	0~Reference	-6.96	-6.96	---	PASS
3DH5	Ant1	2402	30~1000	-6.96	-62.54	≤-26.96	PASS
3DH5	Ant1	2402	1000~26500	-6.96	-44.8	≤-26.96	PASS
3DH5	Ant1	2441	0~Reference	-3.44	-3.44	---	PASS
3DH5	Ant1	2441	30~1000	-3.44	-62.39	≤-23.44	PASS
3DH5	Ant1	2441	1000~26500	-3.44	-45.06	≤-23.44	PASS
3DH5	Ant1	2480	0~Reference	-5.46	-5.46	---	PASS
3DH5	Ant1	2480	30~1000	-5.46	-62.65	≤-25.46	PASS
3DH5	Ant1	2480	1000~26500	-5.46	-44.87	≤-25.46	PASS

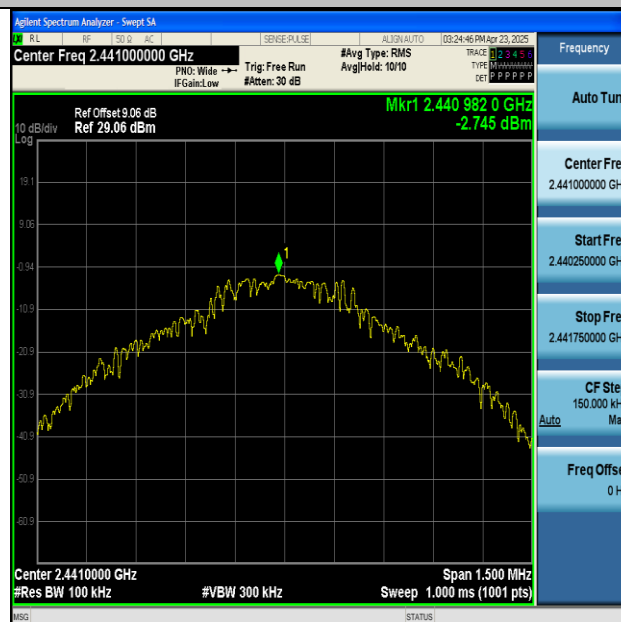
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs

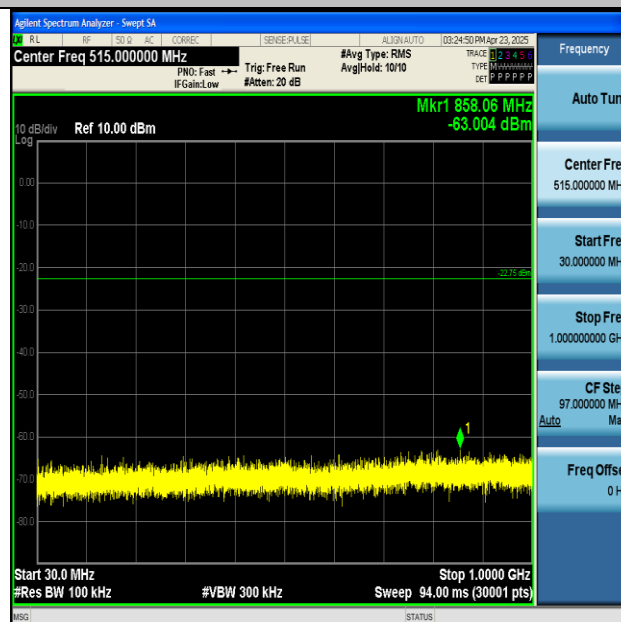




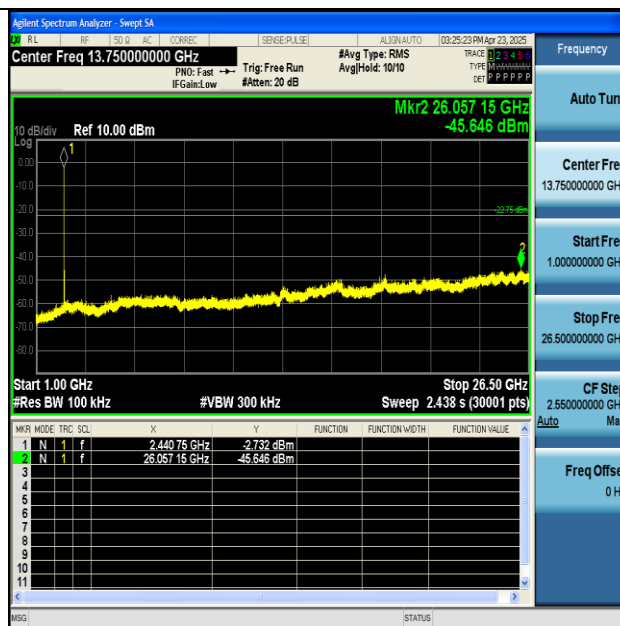
DH5-Ant1-2402-1000~26500-PASS



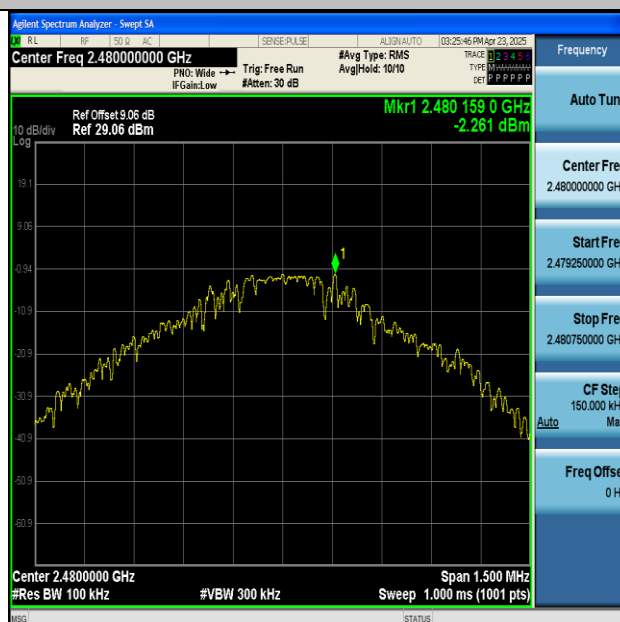
DH5-Ant1-2441-0~Reference-PASS



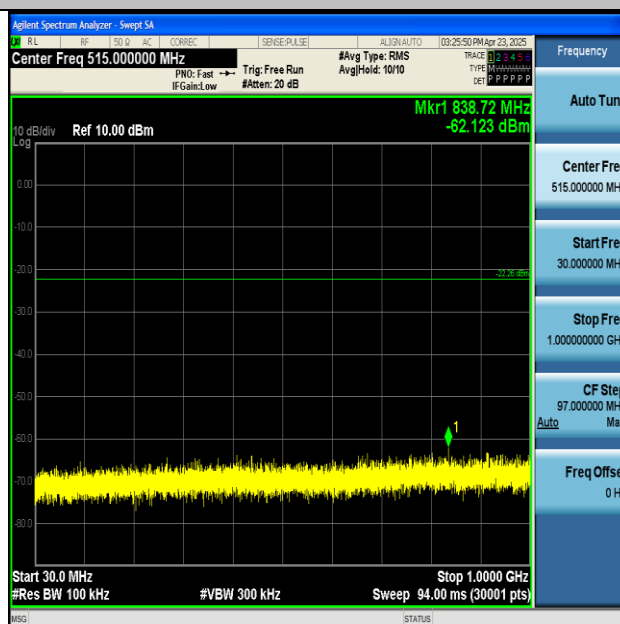
DH5-Ant1-2441-30~1000-PASS



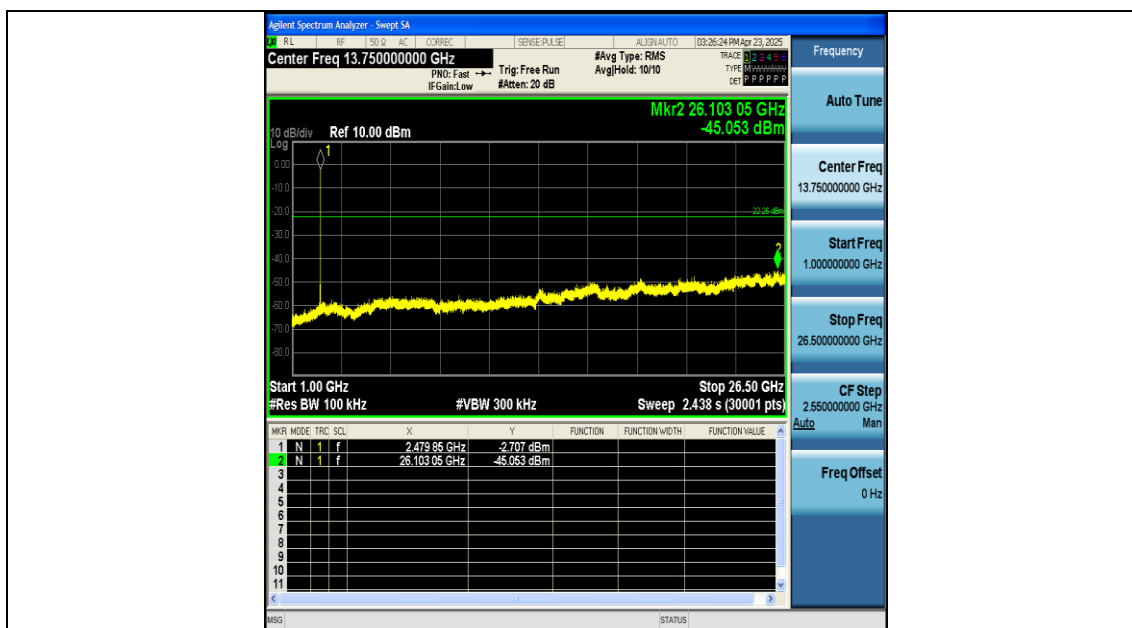
DH5-Ant1-2441-1000~26500-PASS



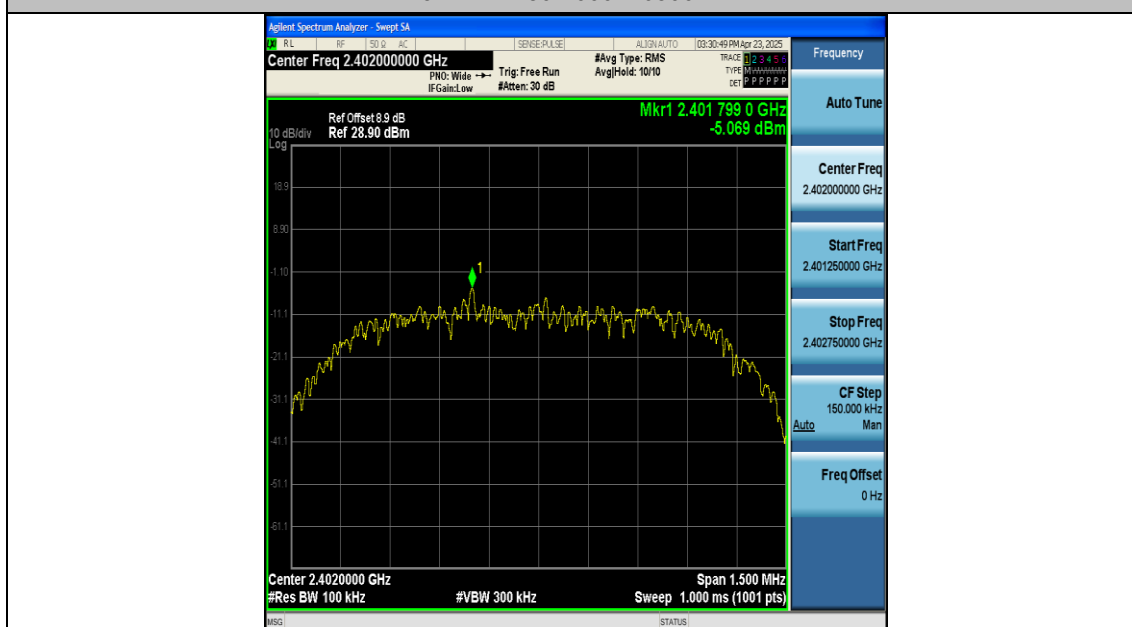
DH5-Ant1-2480-0~Reference-PASS



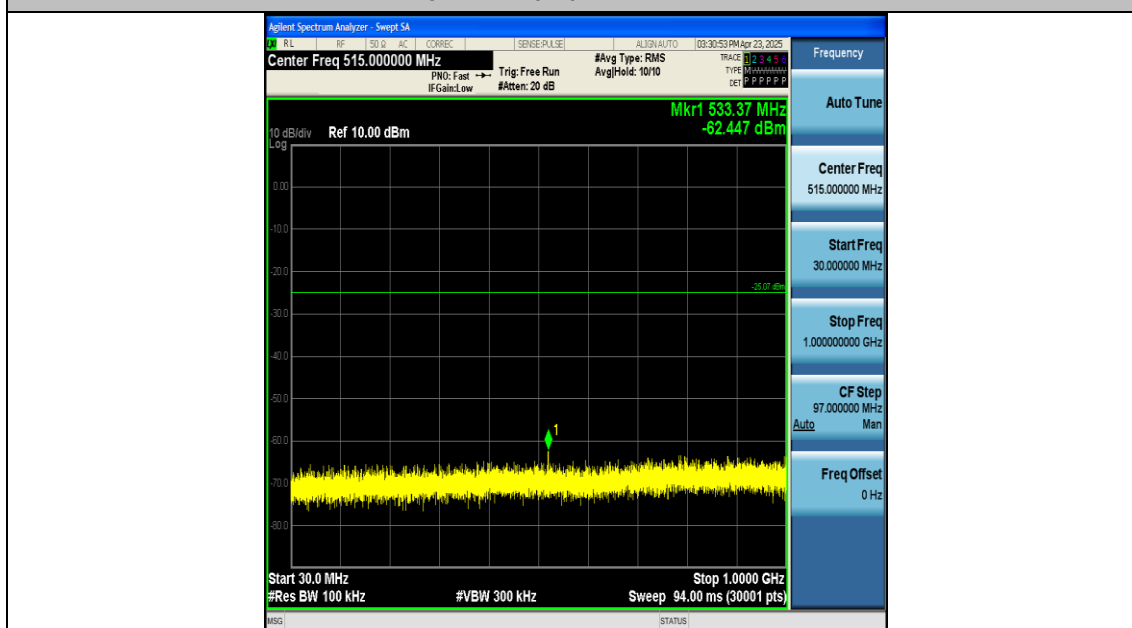
DH5-Ant1-2480-30~1000-PASS



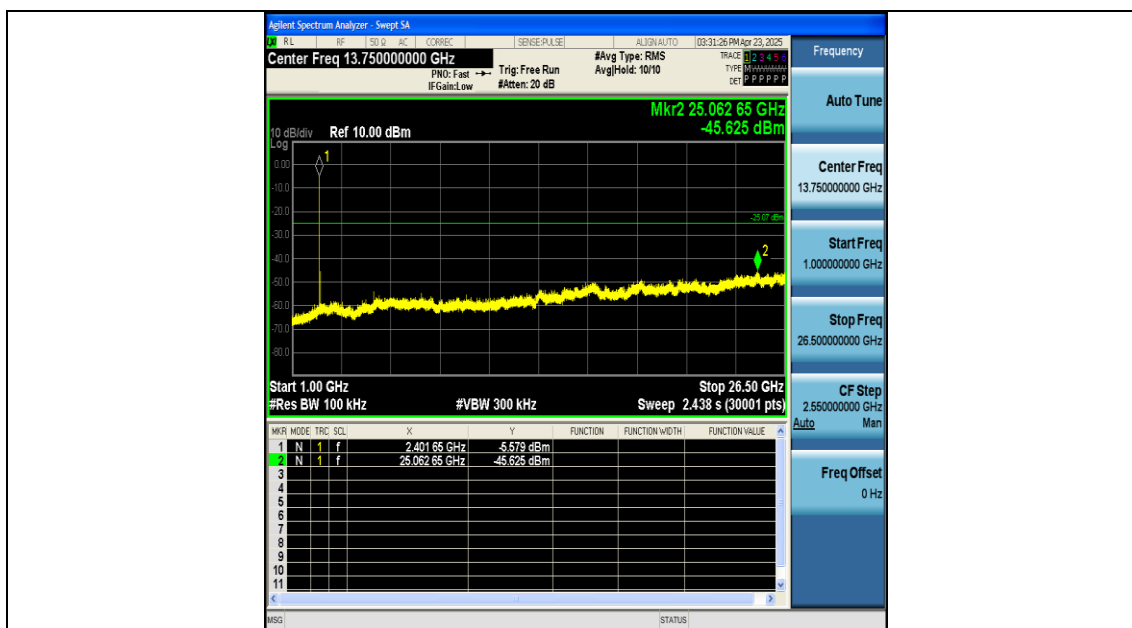
DH5-Ant1-2480-1000~26500-PASS



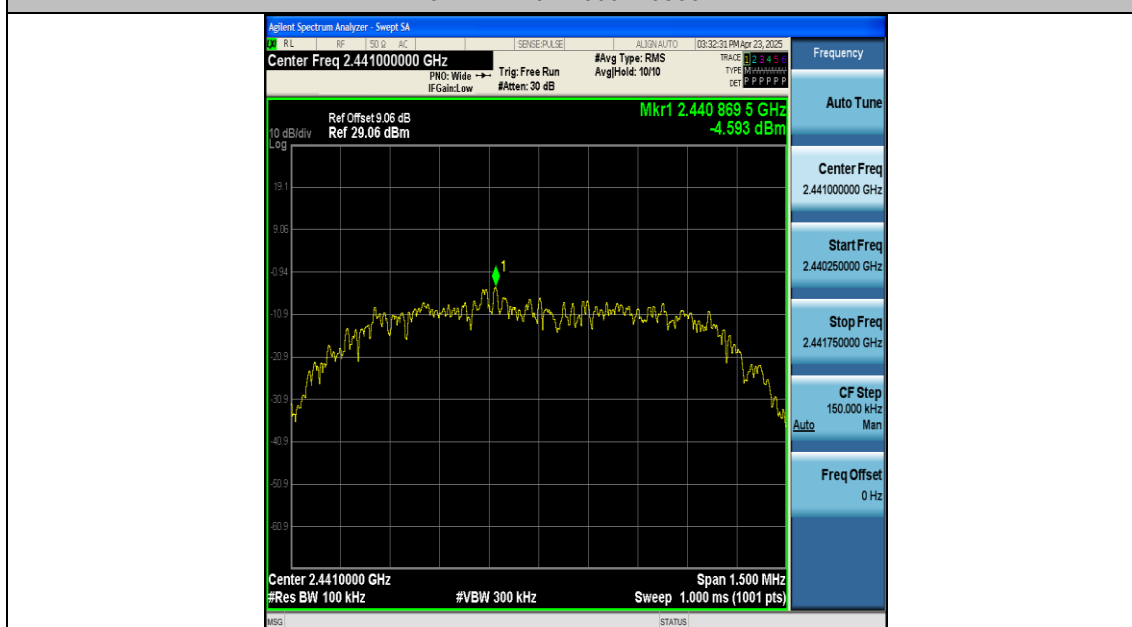
2DH5-Ant1-2402-0~Reference-PASS



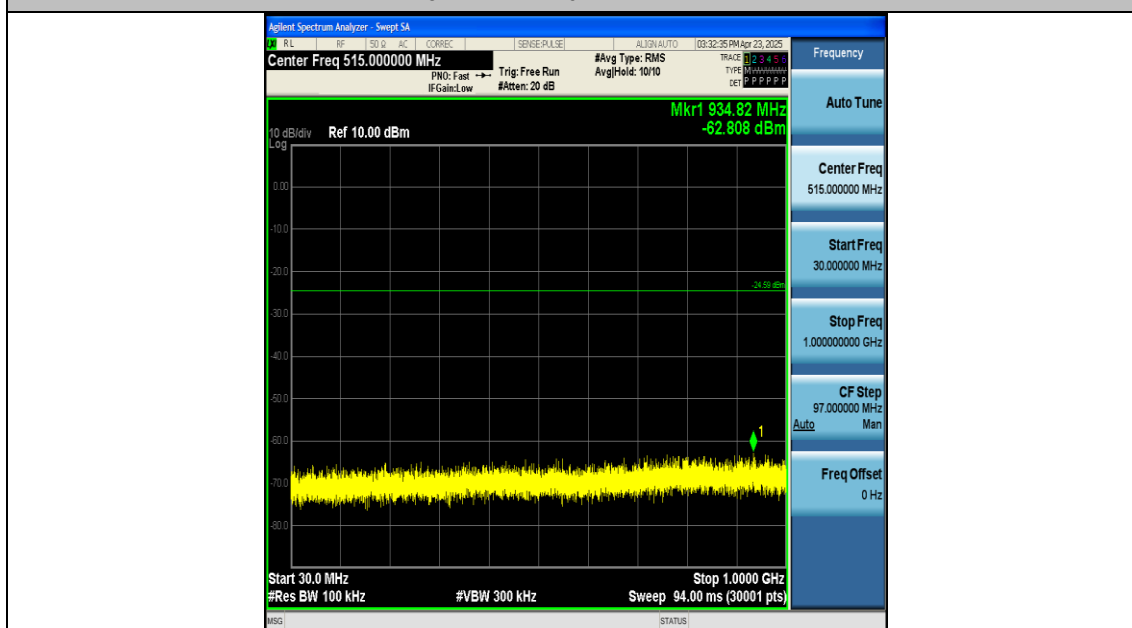
2DH5-Ant1-2402-30~1000-PASS



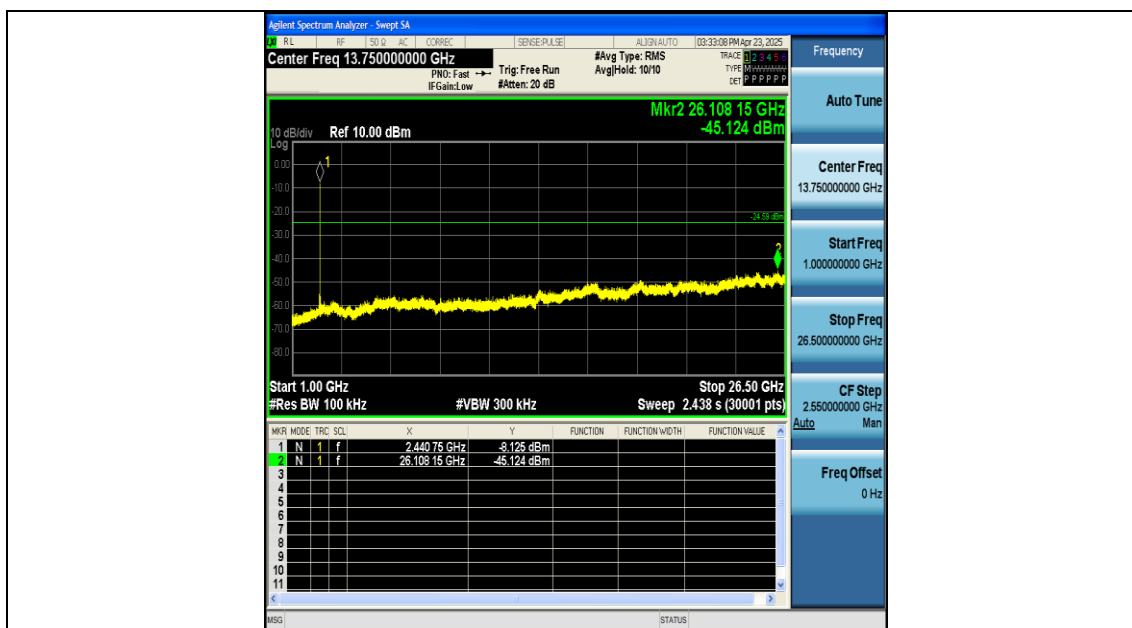
2DH5-Ant1-2402-1000~26500-PASS



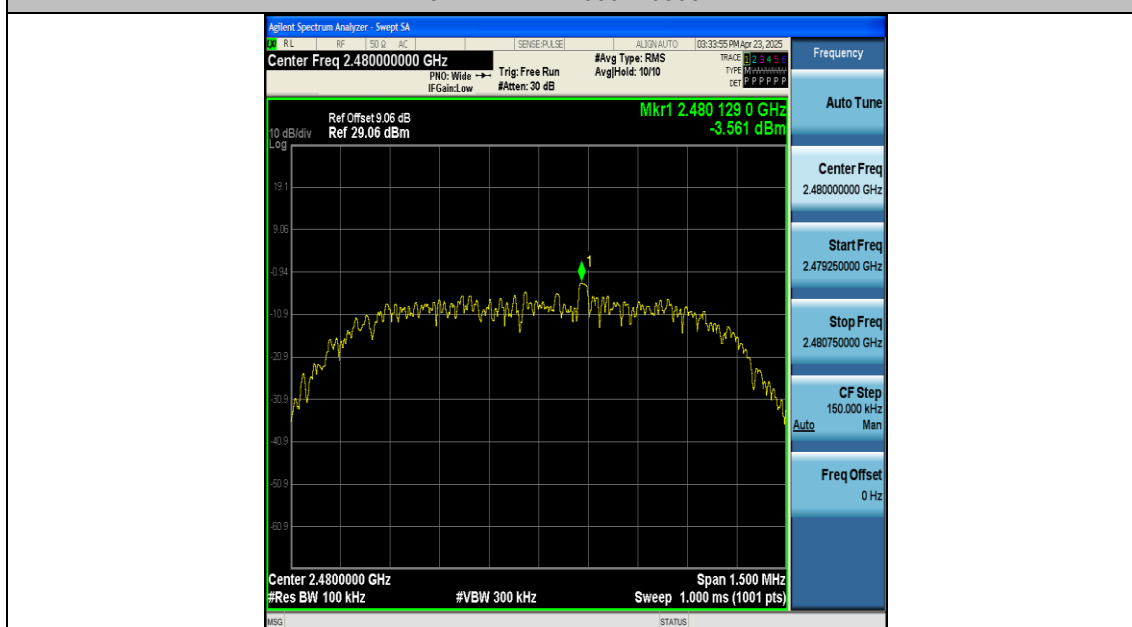
2DH5-Ant1-2441-0~Reference-PASS



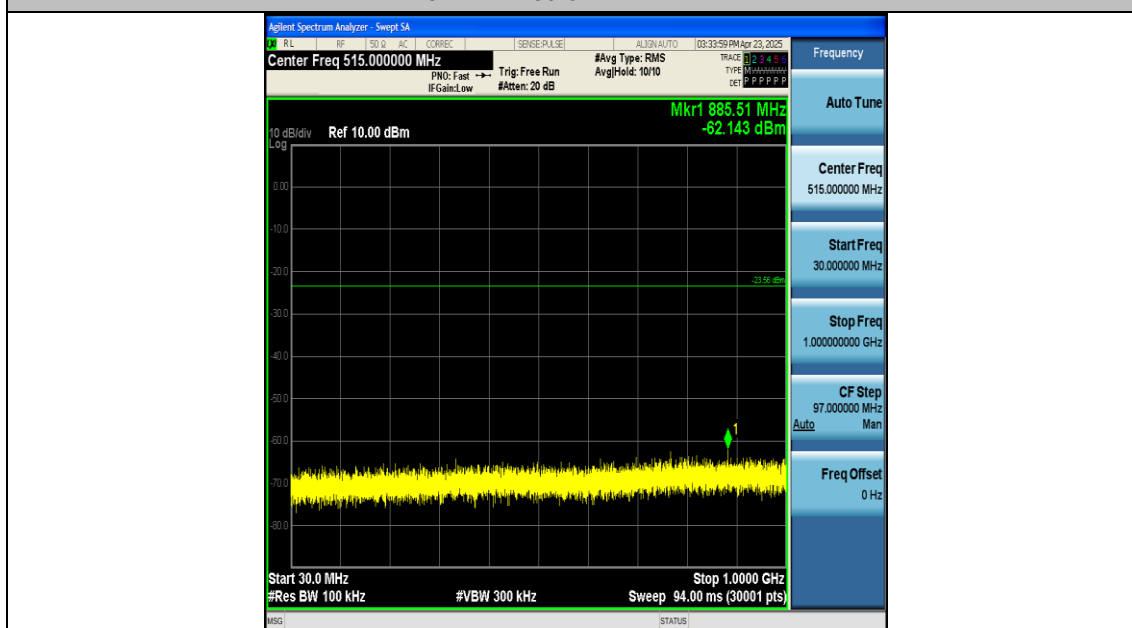
2DH5-Ant1-2441-30~1000-PASS



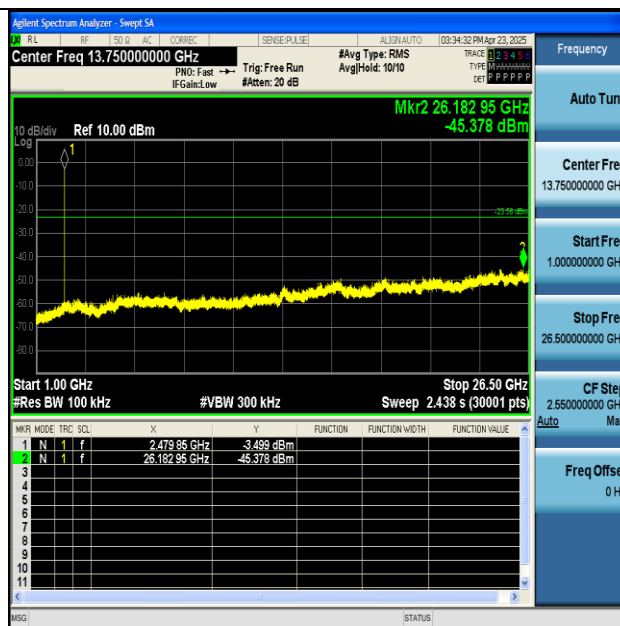
2DH5-Ant1-2441-1000~26500-PASS



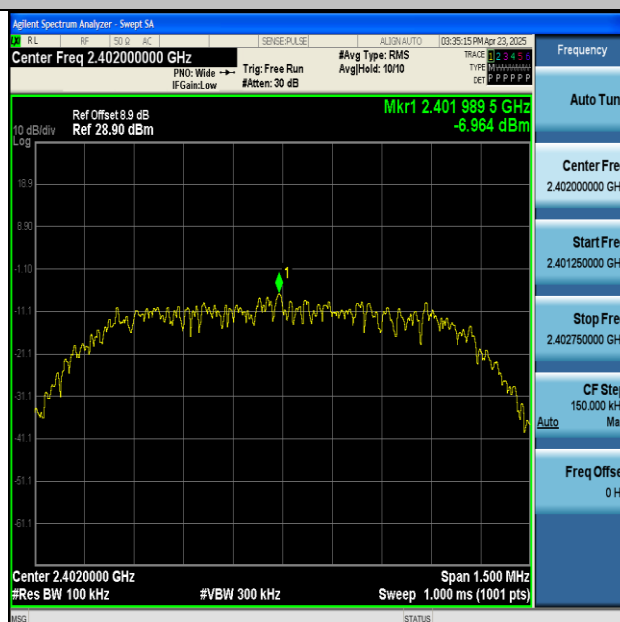
2DH5-Ant1-2480-0~Reference-PASS



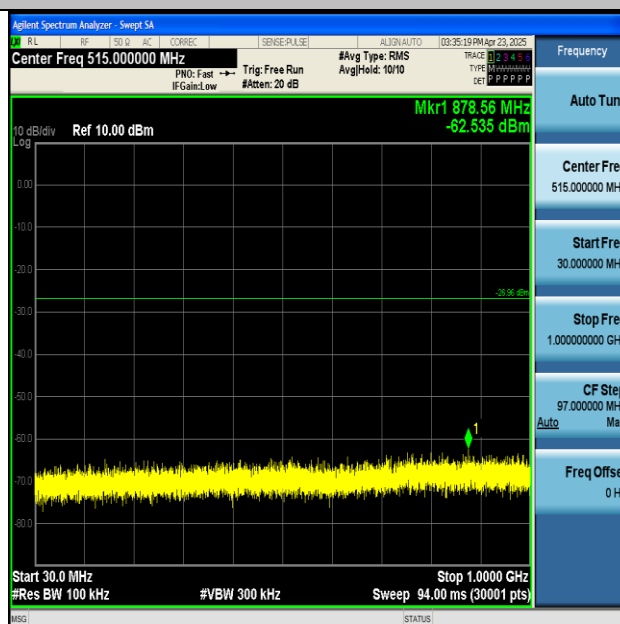
2DH5-Ant1-2480-30~1000-PASS



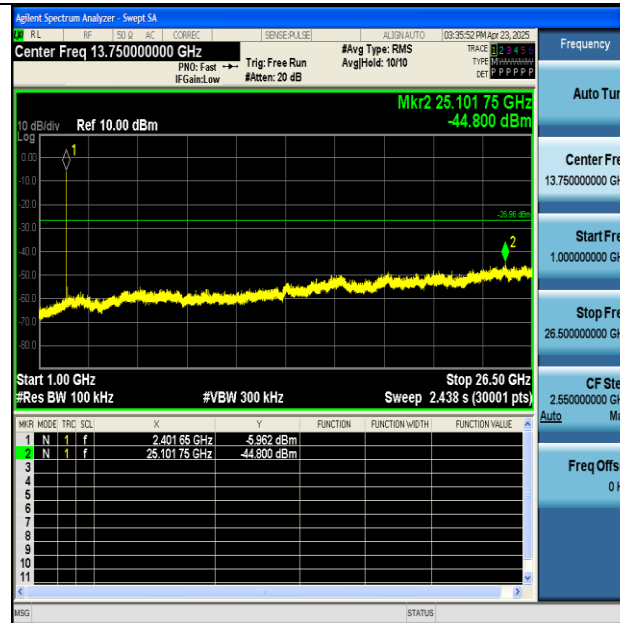
2DH5-Ant1-2480-1000~26500-PASS



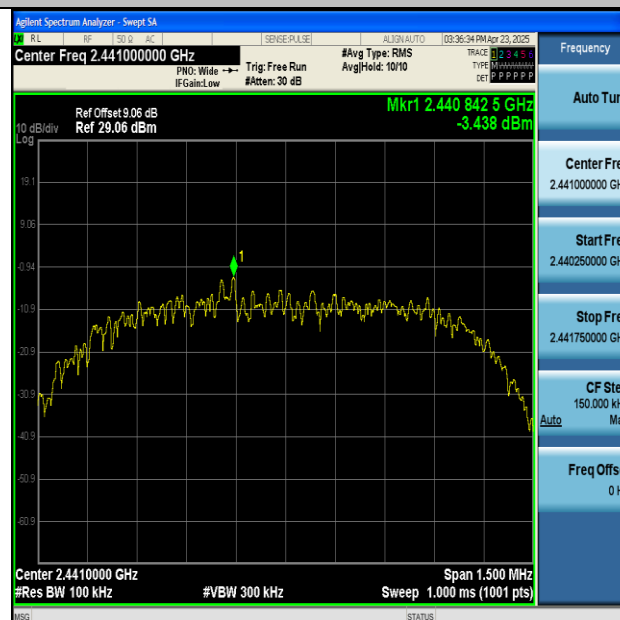
3DH5-Ant1-2402-0~Reference-PASS



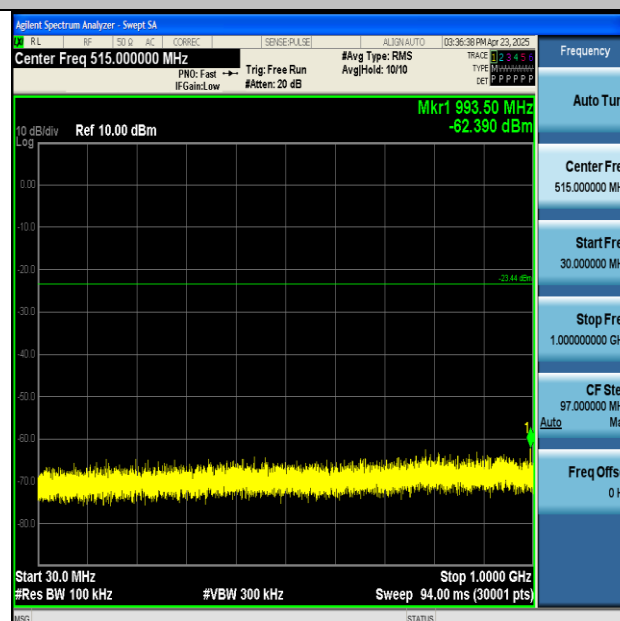
3DH5-Ant1-2402-30~1000-PASS



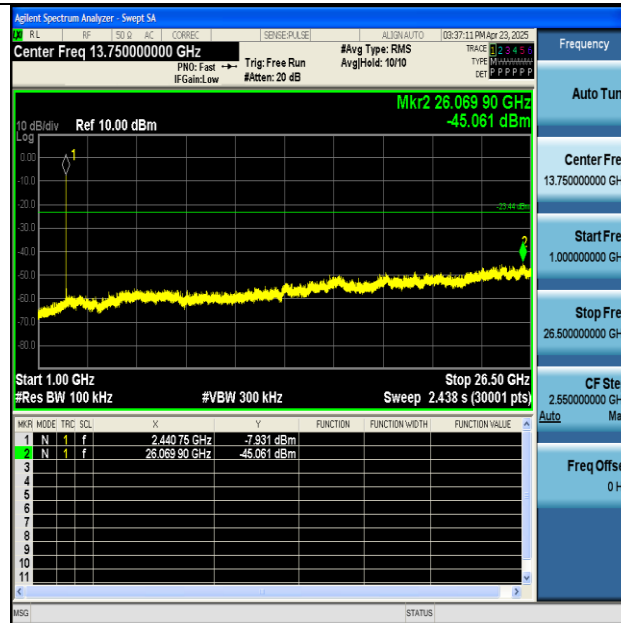
3DH5-Ant1-2402-1000~26500-PASS



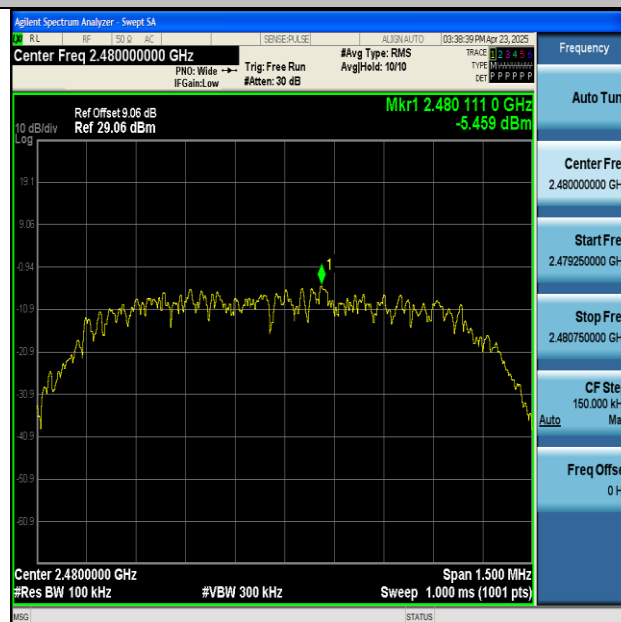
3DH5-Ant1-2441-0~Reference-PASS



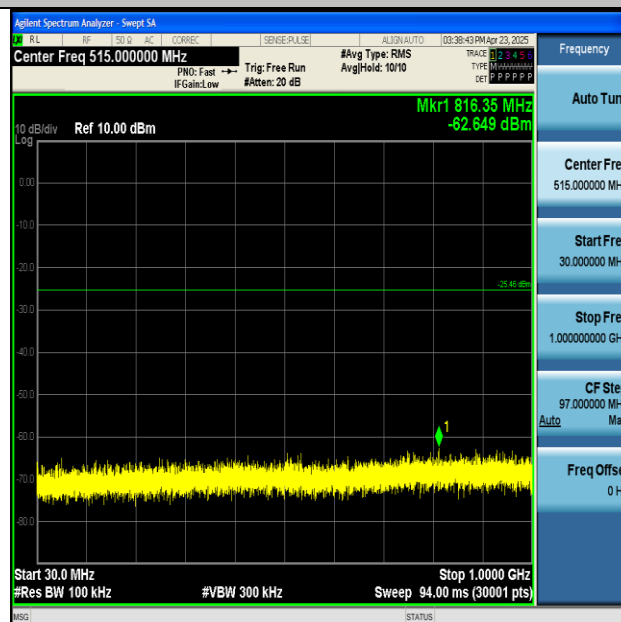
3DH5-Ant1-2441-30~1000-PASS



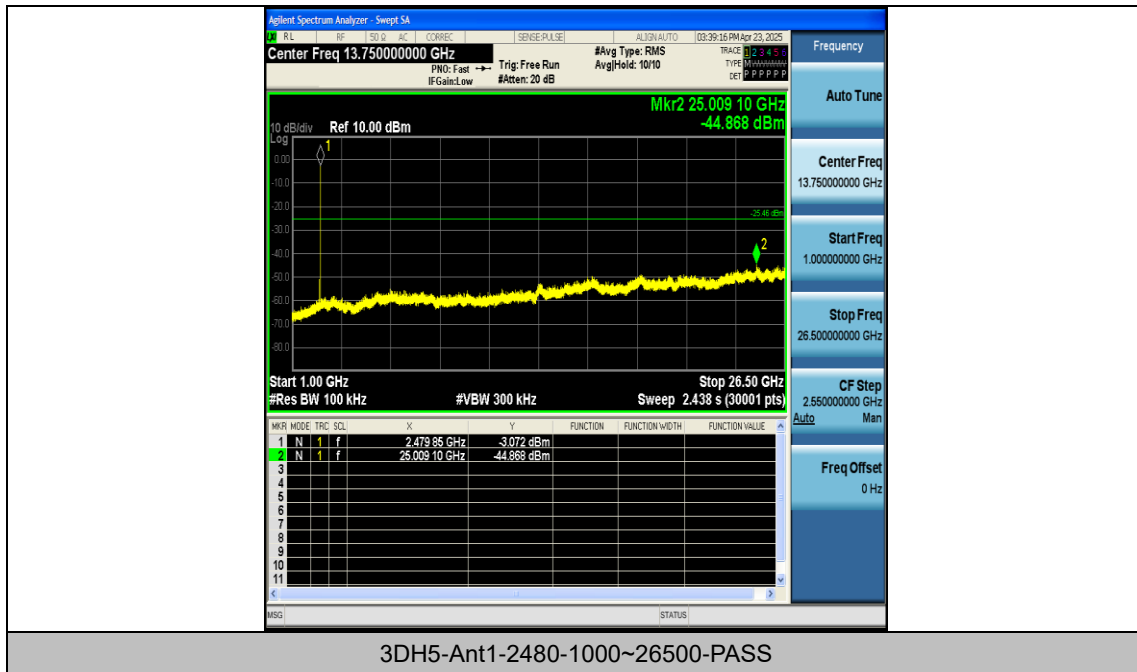
3DH5-Ant1-2441-1000~26500-PASS



3DH5-Ant1-2480-0~Reference-PASS



3DH5-Ant1-2480-30~1000-PASS



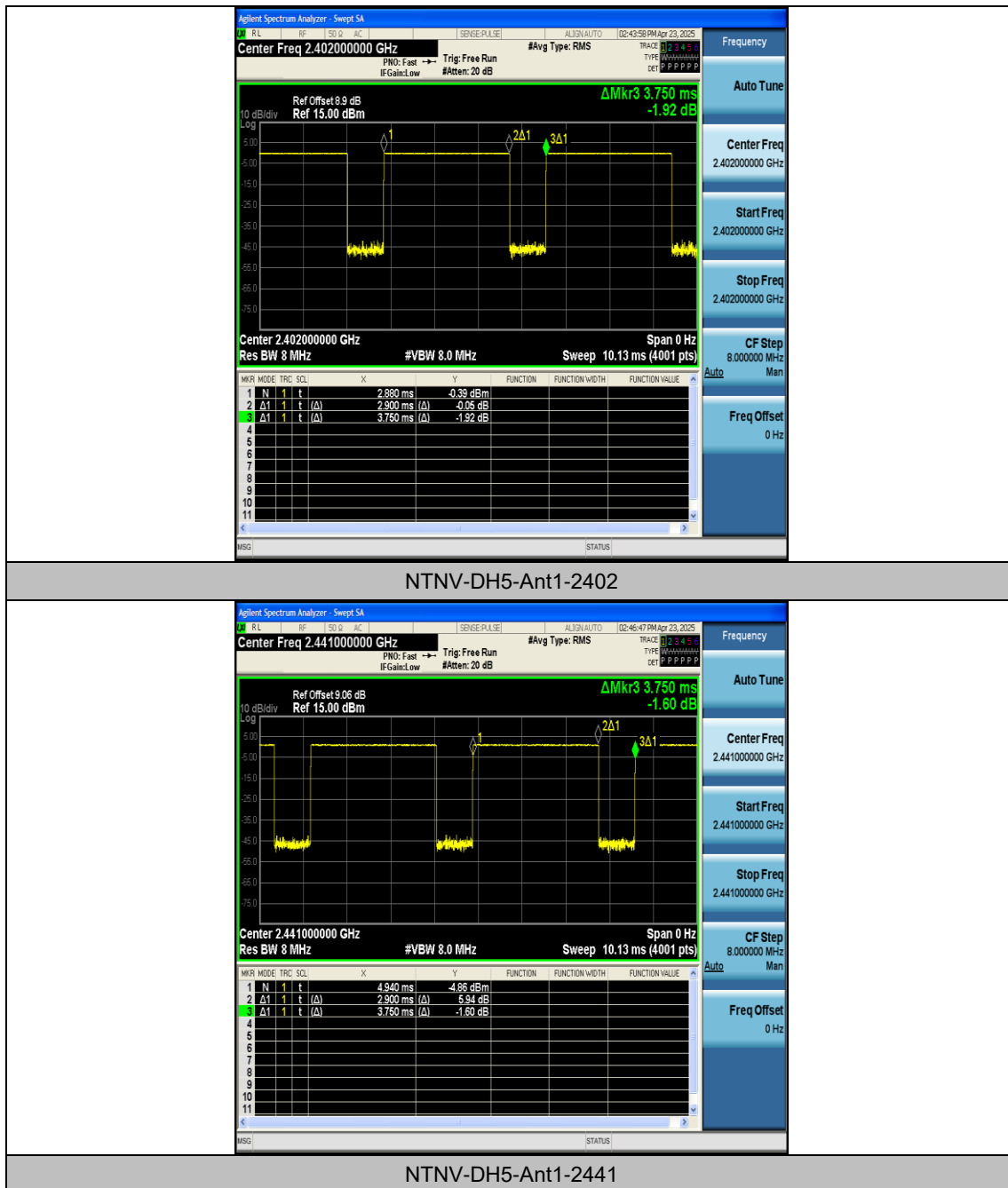
Appendix I: Duty Cycle

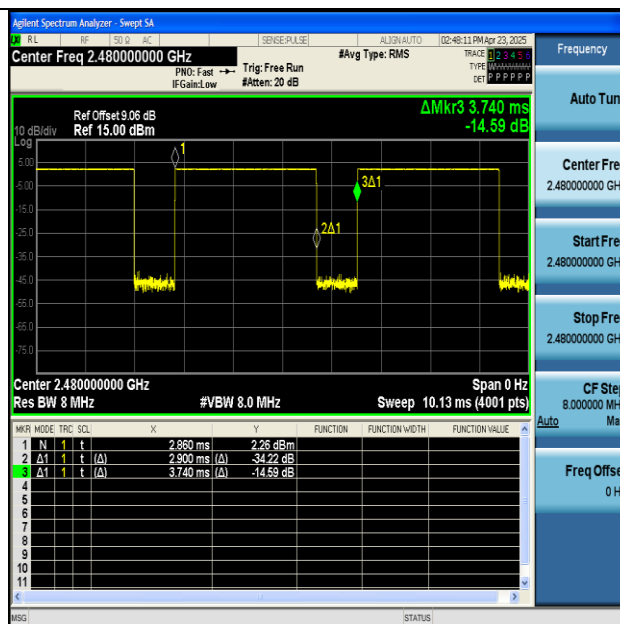
Test Result

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	2.90	3.75	77.33	1.12
DH5	Ant1	2480	2.90	3.74	77.54	1.10
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	2.91	3.75	77.60	1.10
3DH5	Ant1	2402	2.90	3.75	77.33	1.12
3DH5	Ant1	2441	2.91	3.75	77.60	1.10
3DH5	Ant1	2480	2.91	3.75	77.60	1.10

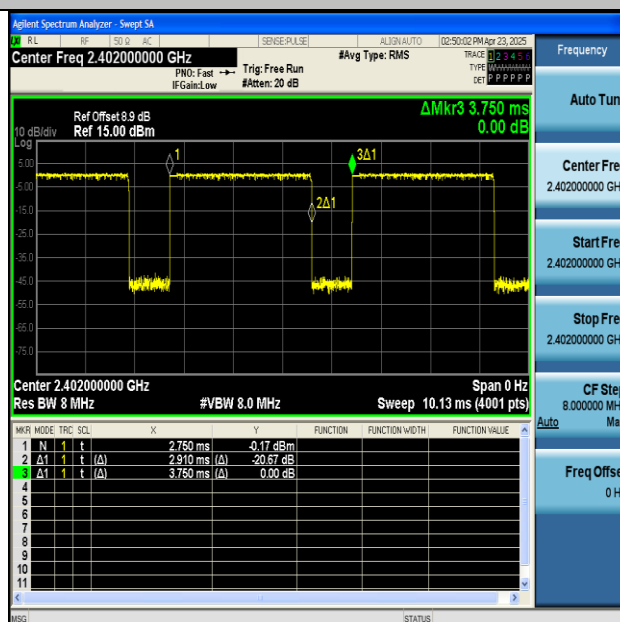
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

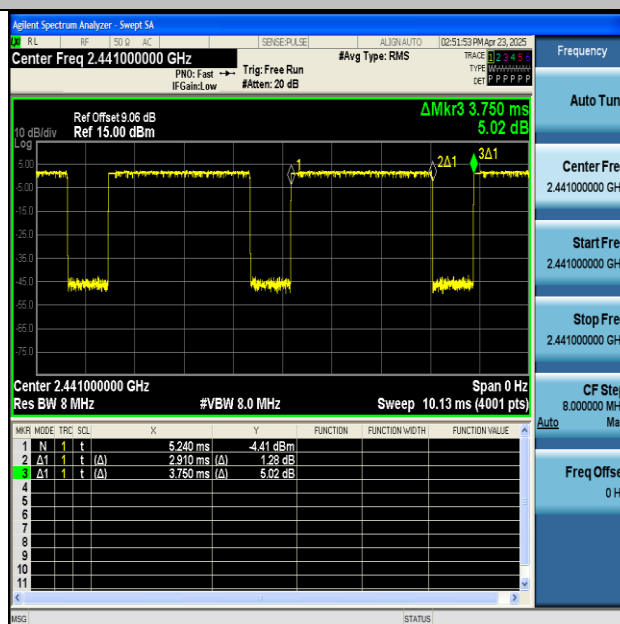




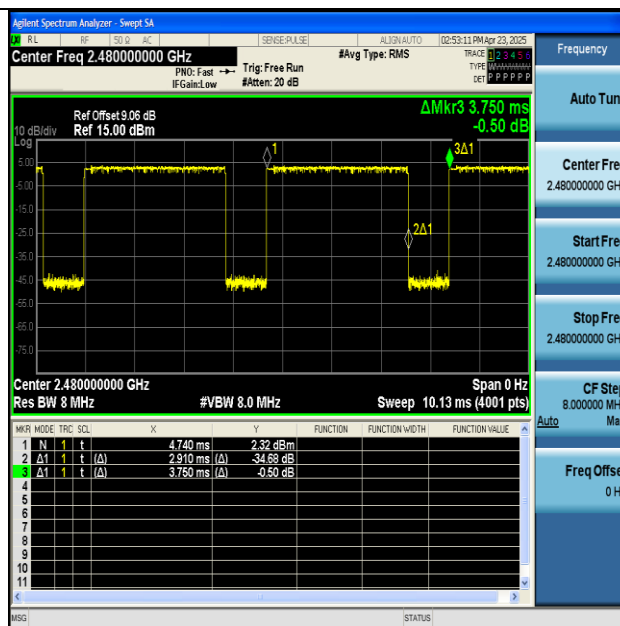
NTNV-DH5-Ant1-2480



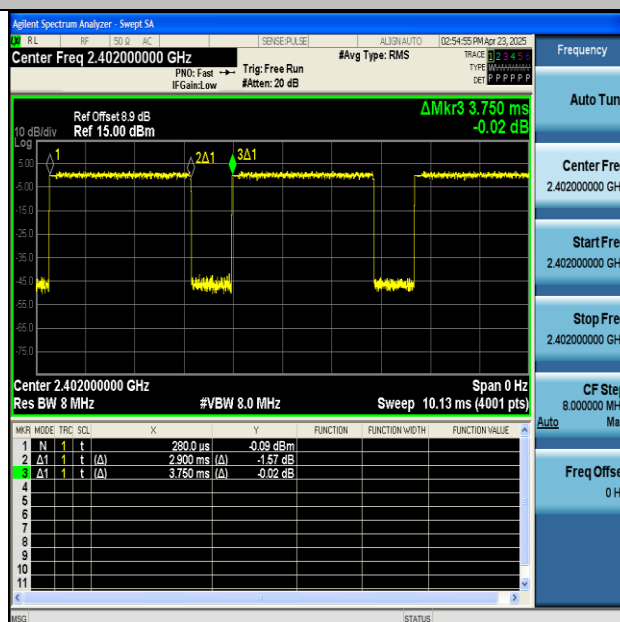
NTNV-2DH5-Ant1-2402



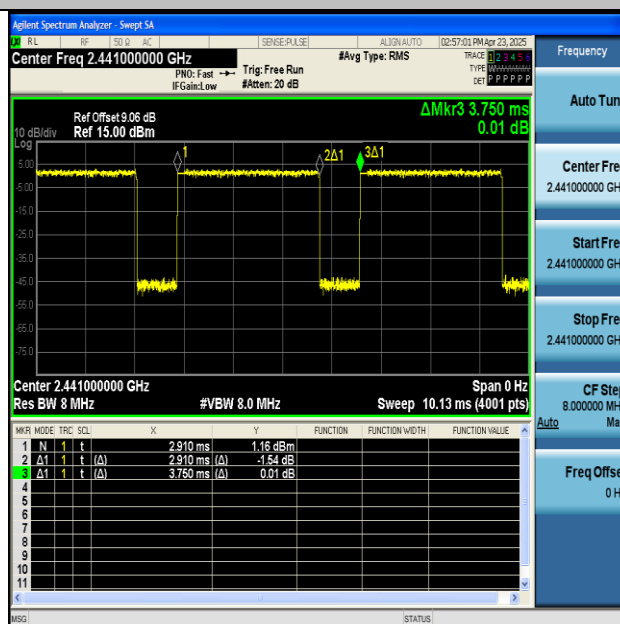
NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441

