

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

Product Name: Wireless Headphones

Trade Mark: LEXIBOOK

Test Model: HPBT015

FCC ID: UU8-HPBT015

Environmental Conditions

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

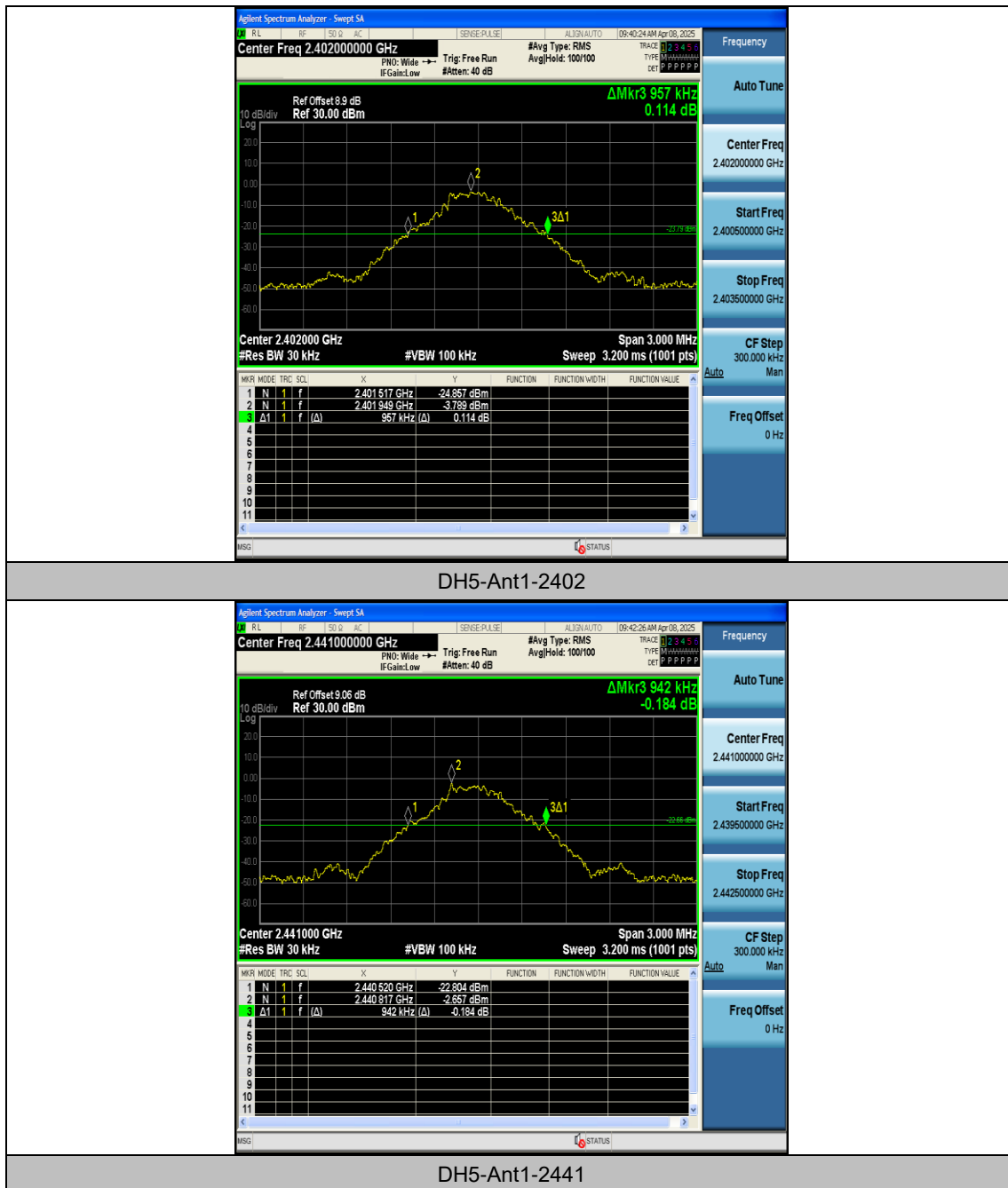
Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.957	2401.517	2402.474	---	---
DH5	Ant1	2441	0.942	2440.520	2441.462	---	---
DH5	Ant1	2480	0.909	2479.526	2480.435	---	---
2DH5	Ant1	2402	1.317	2401.352	2402.669	---	---
2DH5	Ant1	2441	1.314	2440.355	2441.669	---	---
2DH5	Ant1	2480	1.320	2479.349	2480.669	---	---
3DH5	Ant1	2402	1.359	2401.319	2402.678	---	---
3DH5	Ant1	2441	1.317	2440.346	2441.663	---	---
3DH5	Ant1	2480	1.314	2479.343	2480.657	---	---

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



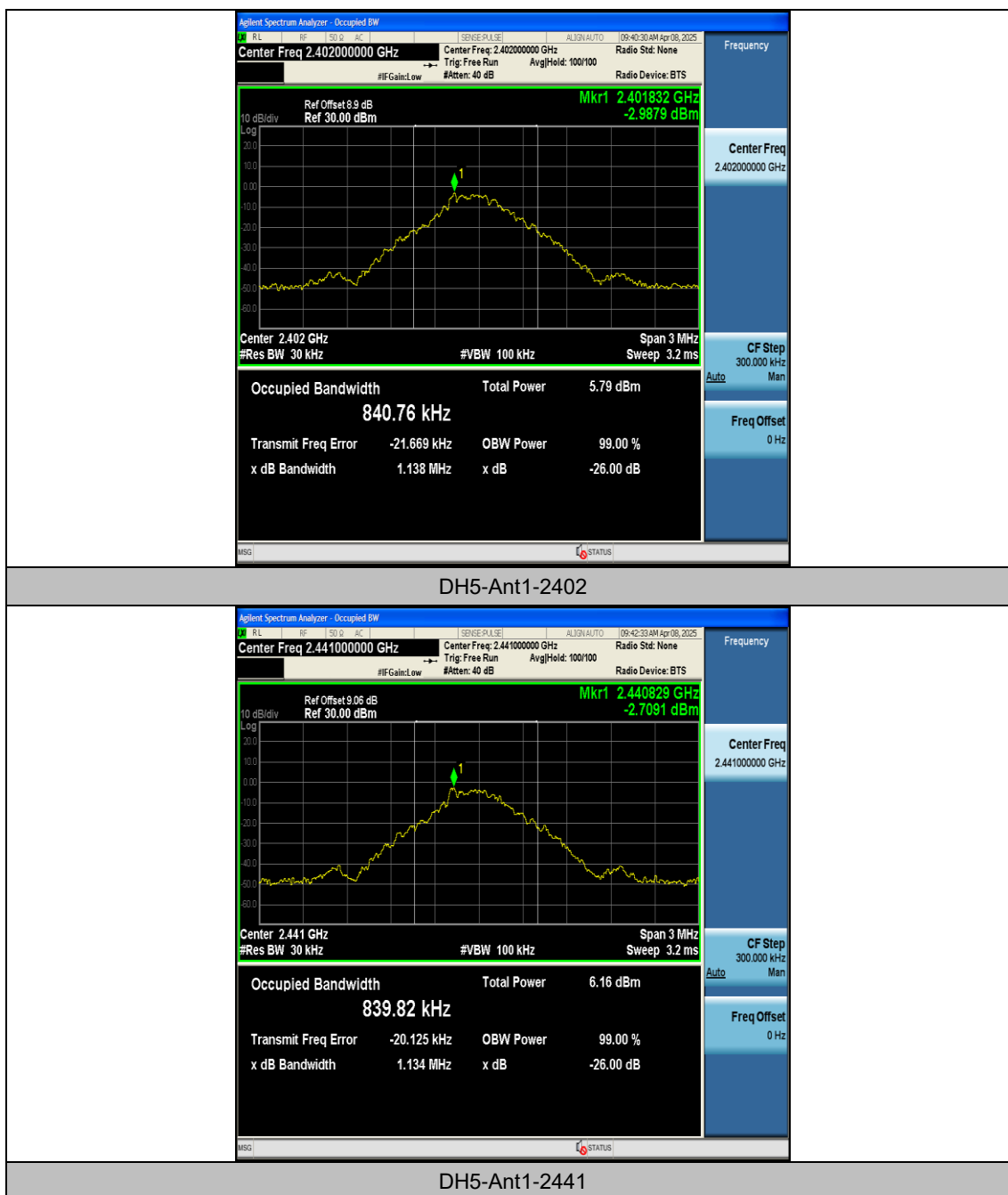
Appendix B: Occupied Channel Bandwidth

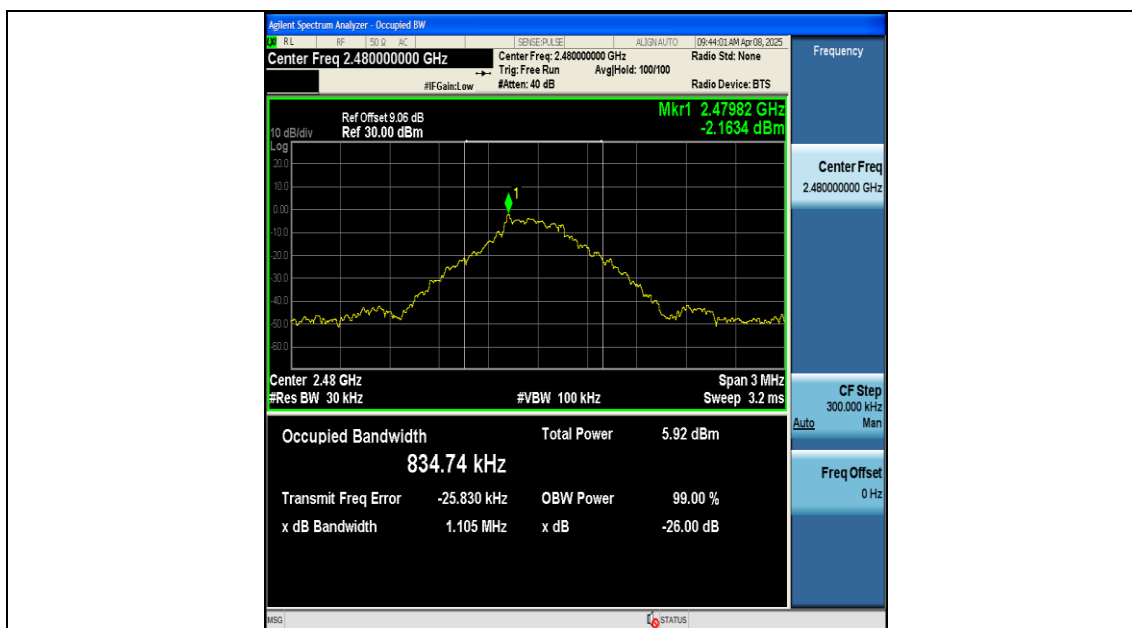
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.84076	2401.5580	2402.3987	---	---
DH5	Ant1	2441	0.83982	2440.5600	2441.3998	---	---
DH5	Ant1	2480	0.83474	2479.5568	2480.3915	---	---
2DH5	Ant1	2402	1.2235	2401.3912	2402.6147	---	---
2DH5	Ant1	2441	1.2184	2440.3973	2441.6157	---	---
2DH5	Ant1	2480	1.2297	2479.3889	2480.6186	---	---
3DH5	Ant1	2402	1.2164	2401.3931	2402.6095	---	---
3DH5	Ant1	2441	1.2162	2440.3976	2441.6138	---	---
3DH5	Ant1	2480	1.2118	2479.3977	2480.6095	---	---

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

Test Graphs





DH5-Ant1-2480



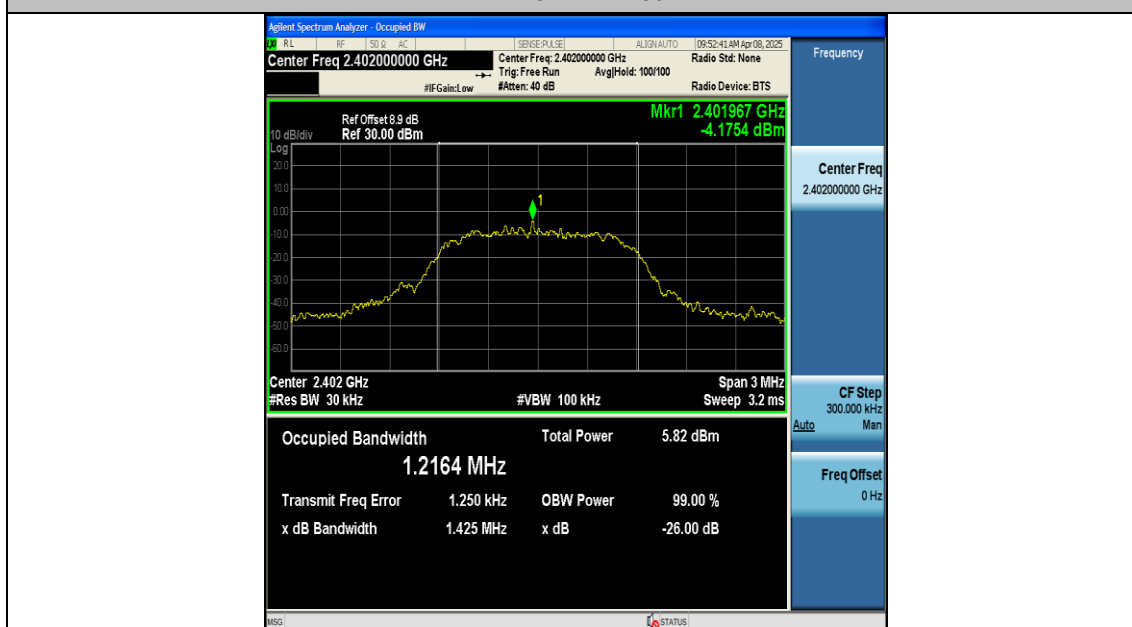
2DH5-Ant1-2402



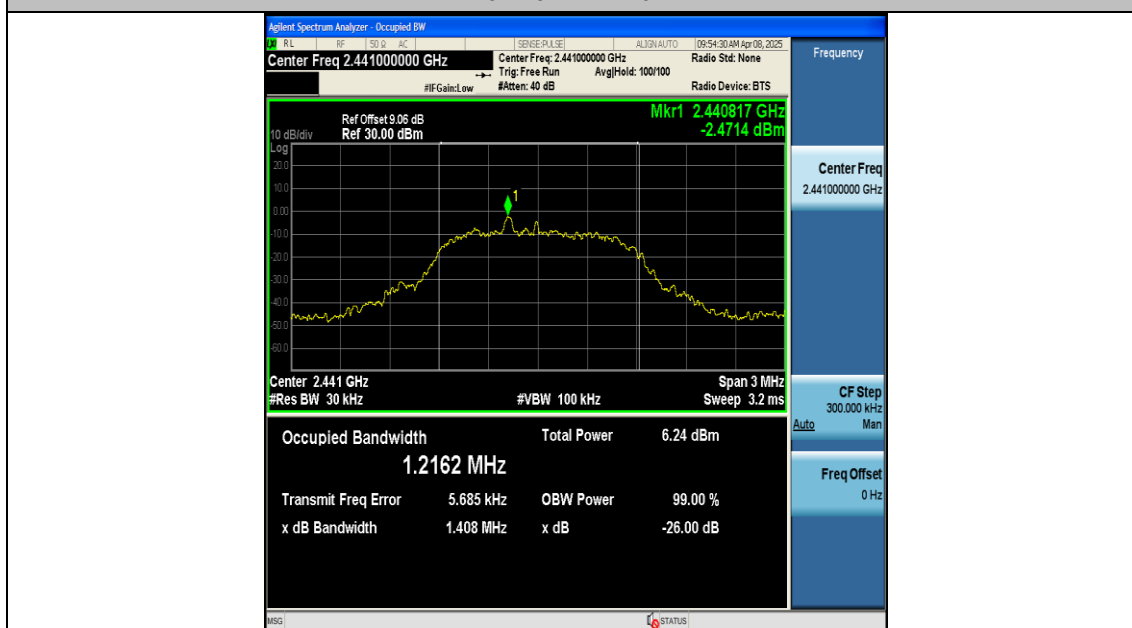
2DH5-Ant1-2441



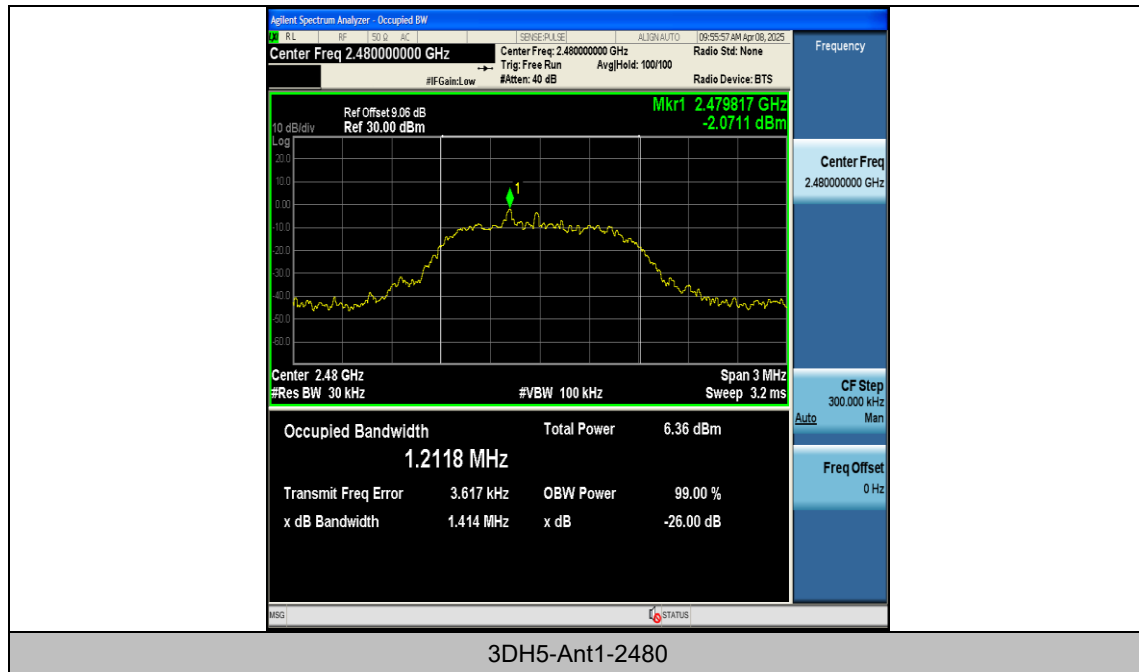
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



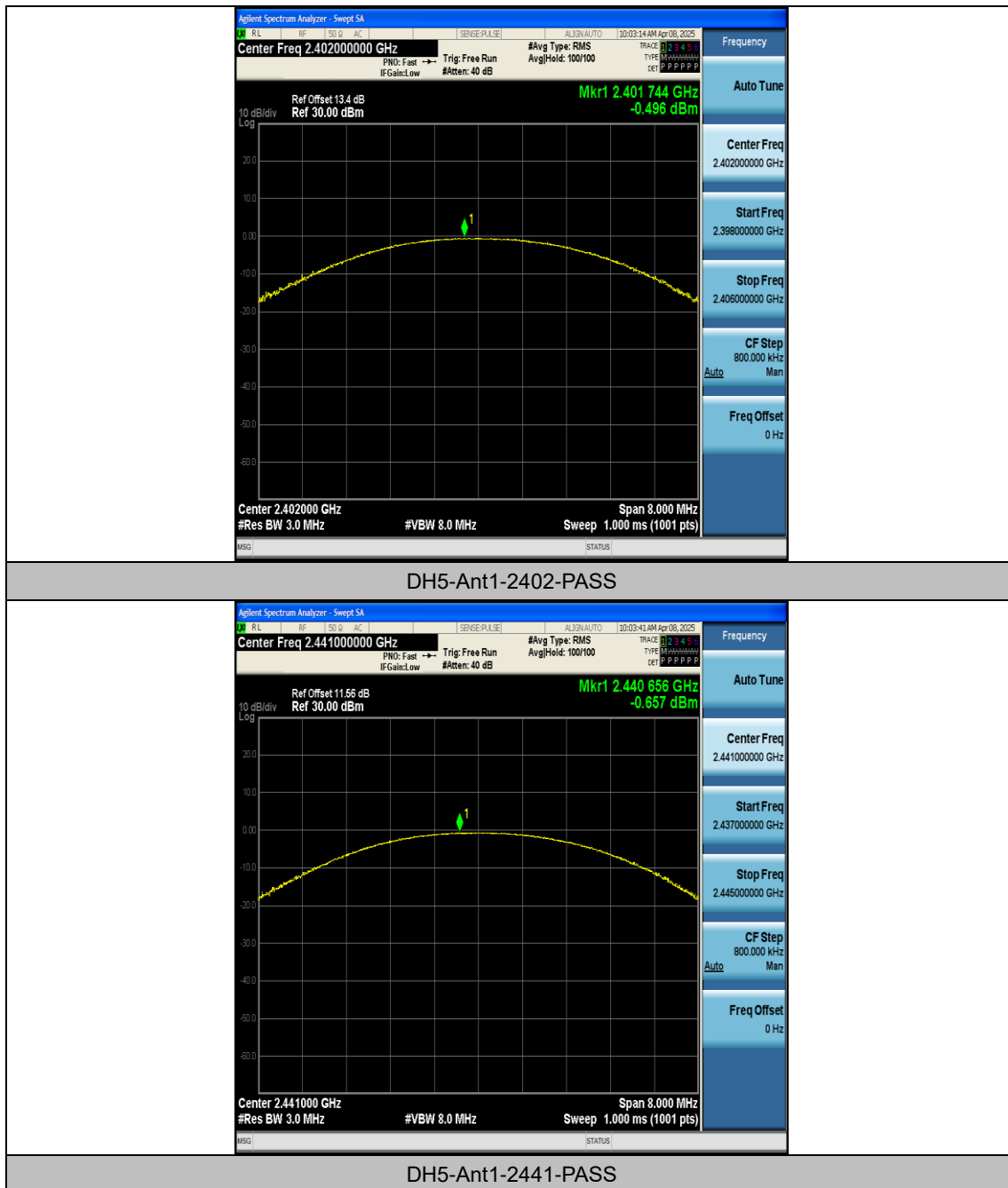
Appendix C: Maximum peak conducted output power

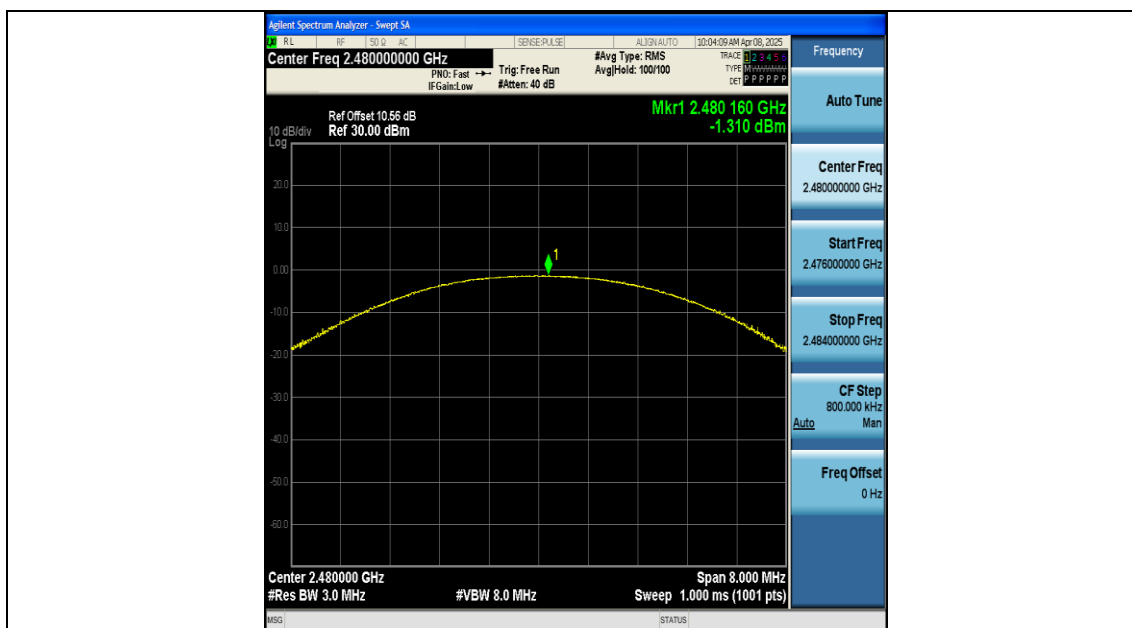
Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-0.50	≤30	PASS
DH5	Ant1	2441	-0.66	≤30	PASS
DH5	Ant1	2480	-1.31	≤30	PASS
2DH5	Ant1	2402	-0.66	≤20.97	PASS
2DH5	Ant1	2441	-0.58	≤20.97	PASS
2DH5	Ant1	2480	-1.35	≤20.97	PASS
3DH5	Ant1	2402	-0.94	≤20.97	PASS
3DH5	Ant1	2441	-1.07	≤20.97	PASS
3DH5	Ant1	2480	-1.23	≤20.97	PASS

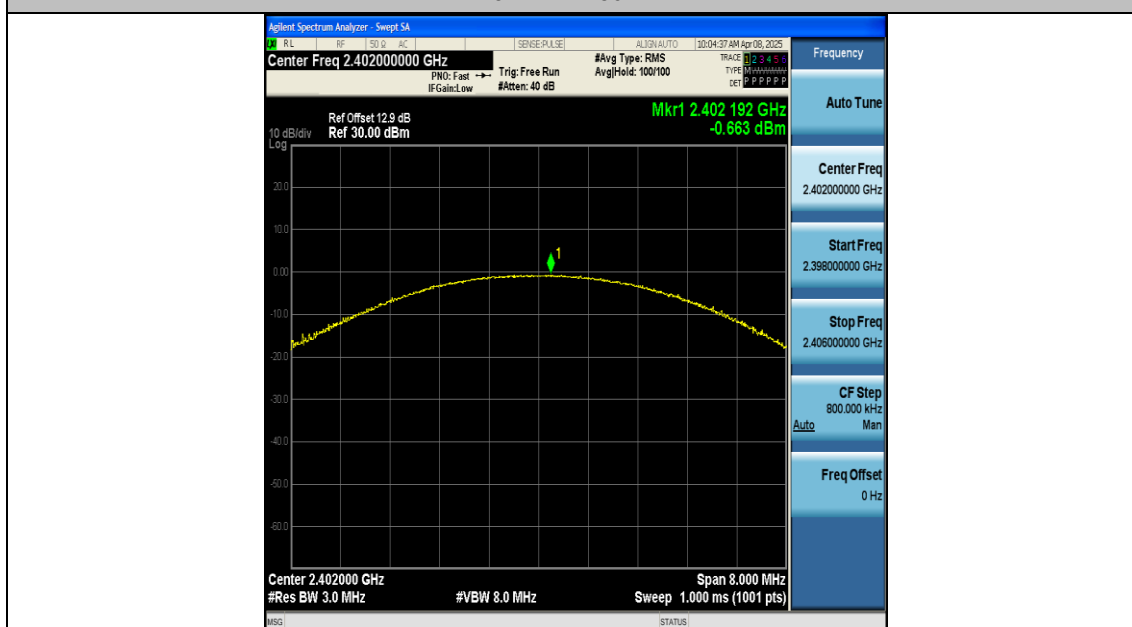
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

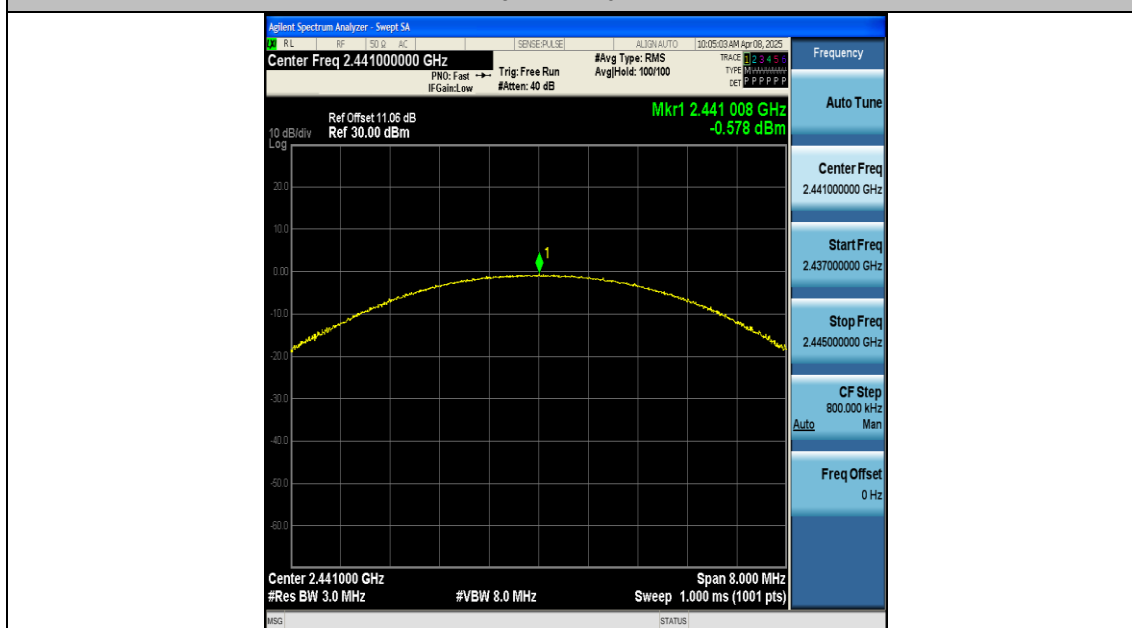




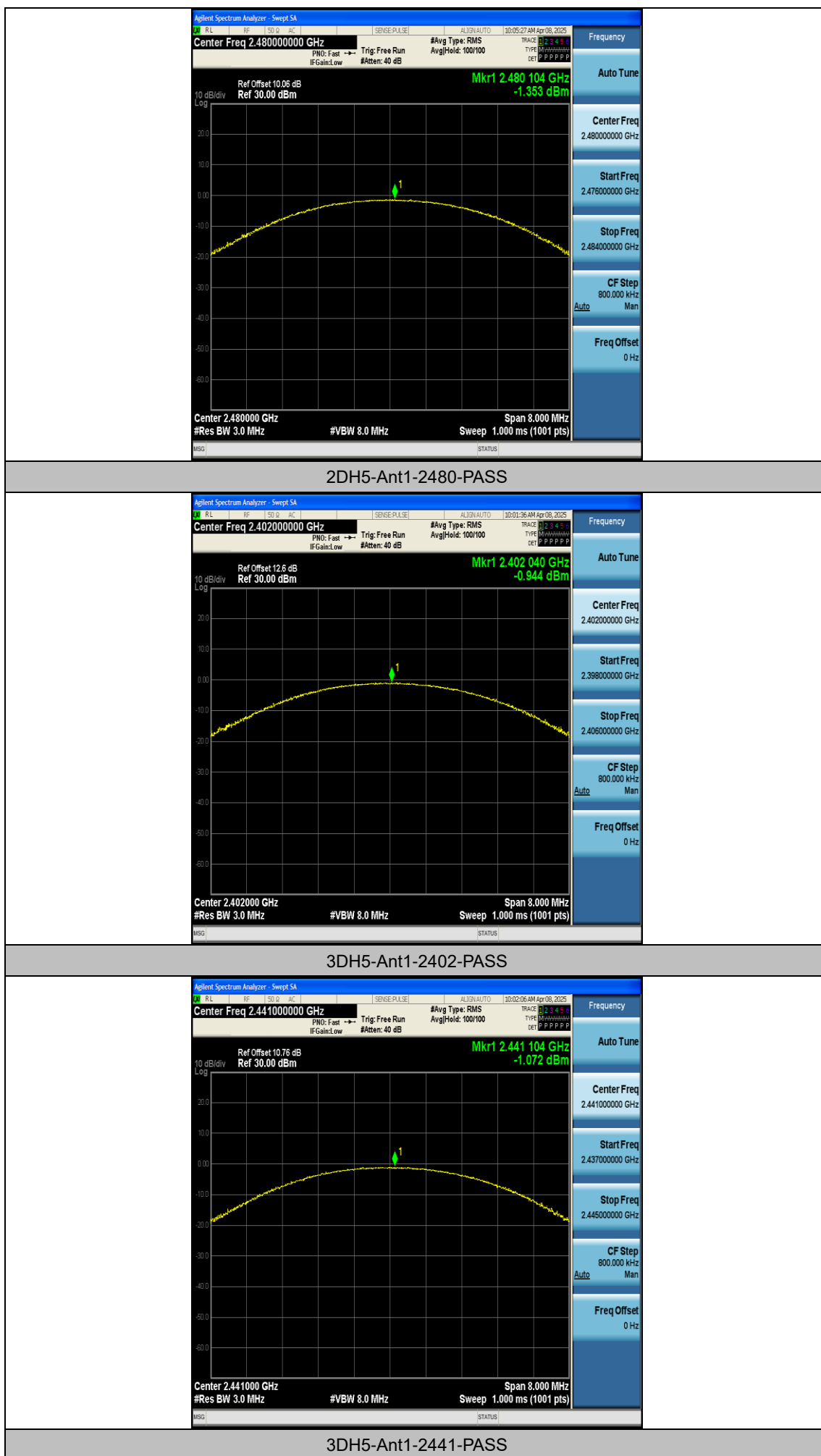
DH5-Ant1-2480-PASS

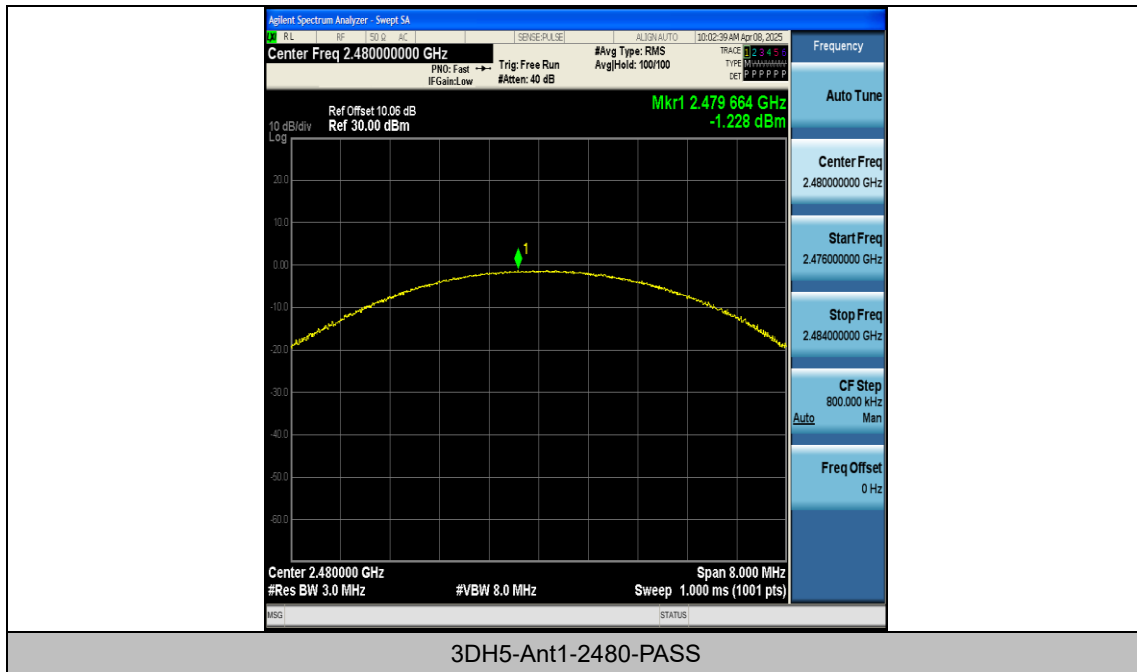


2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS





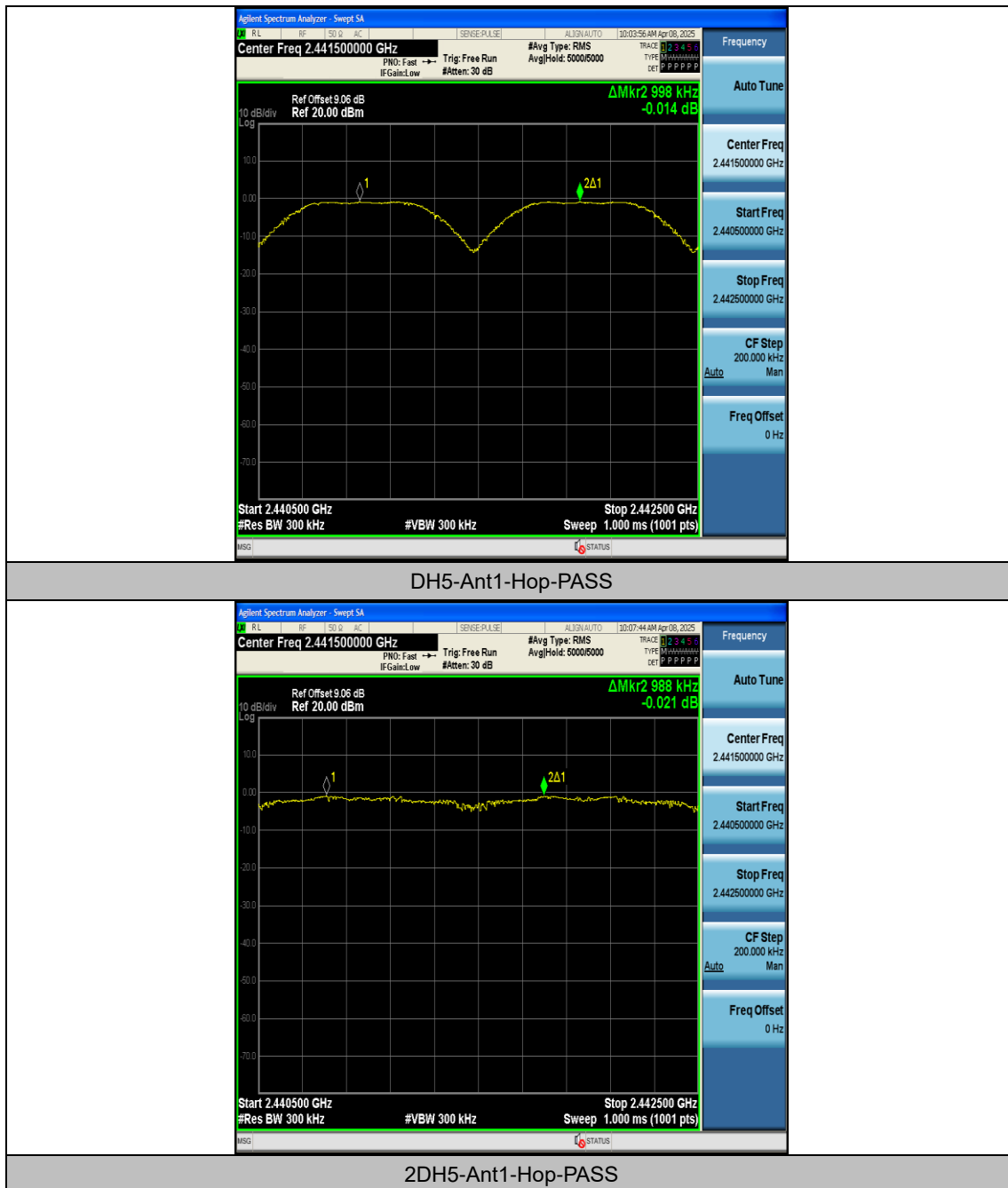
Appendix D: Carrier frequency separation

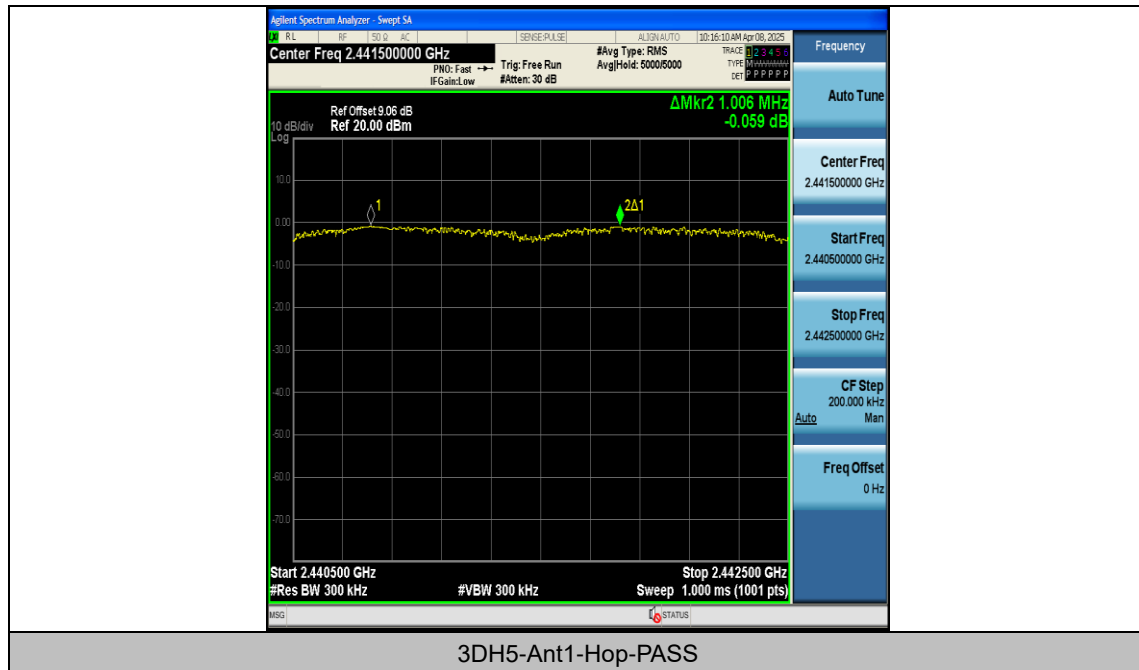
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.998	≥ 0.957	PASS
2DH5	Ant1	Hop	0.988	≥ 0.880	PASS
3DH5	Ant1	Hop	1.006	≥ 0.906	PASS

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

Test Graphs





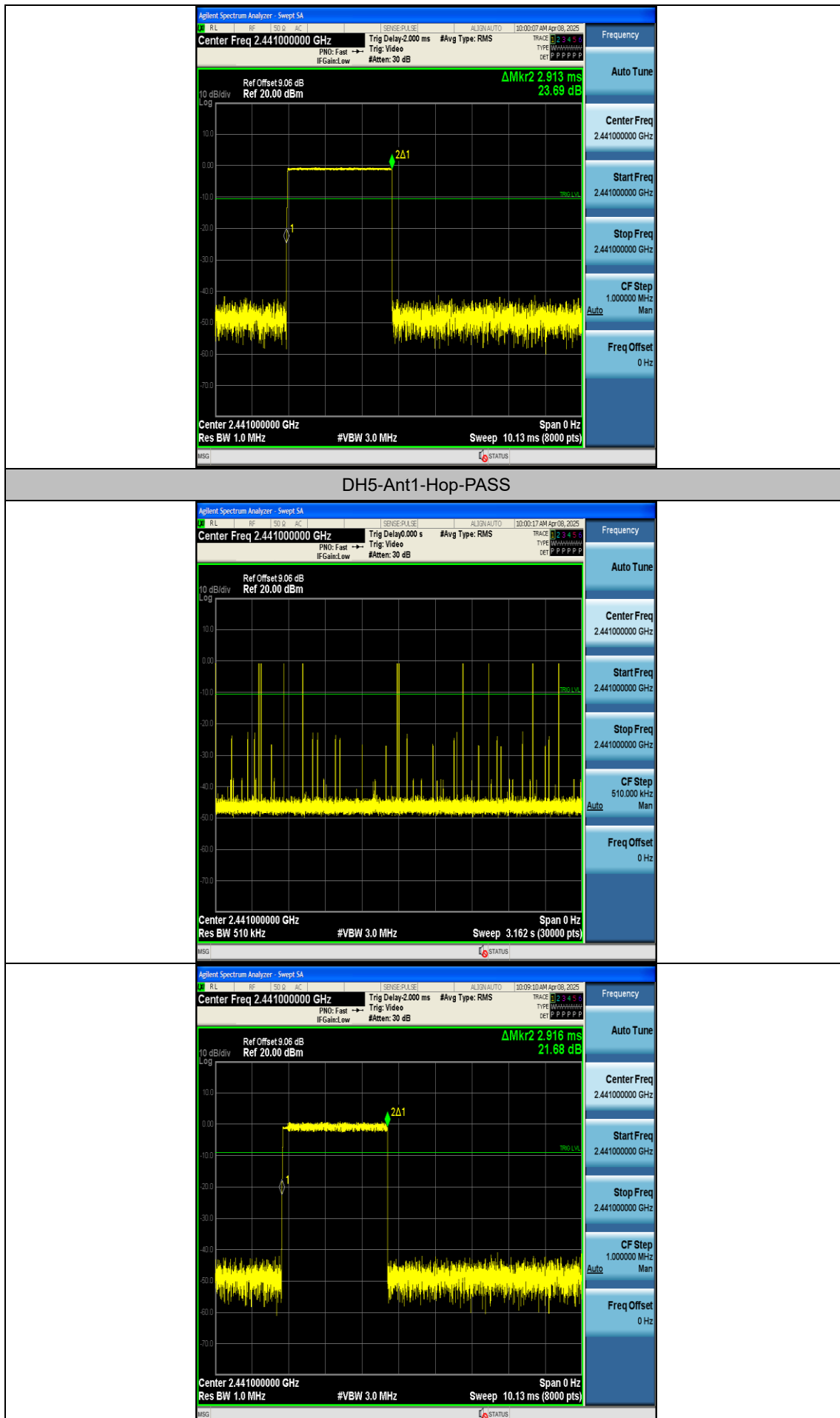
Appendix E: Time of occupancy

Test Result

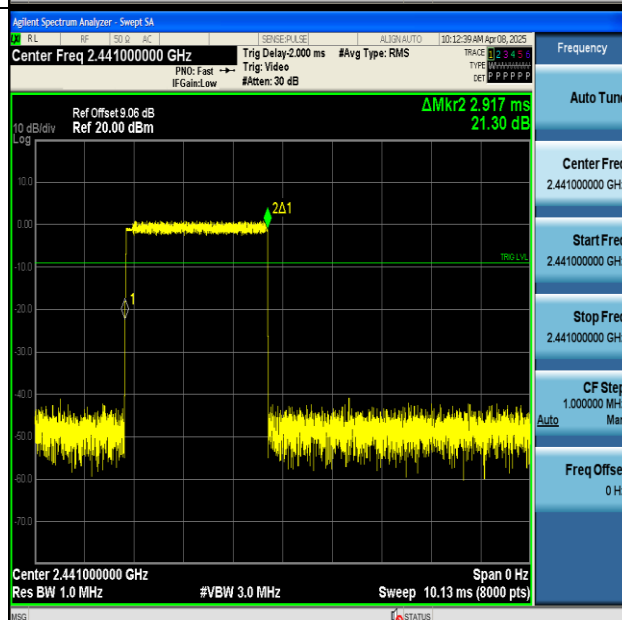
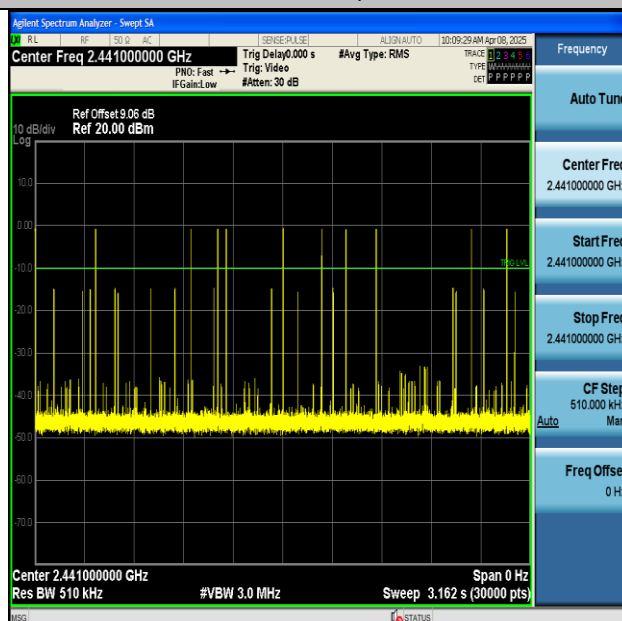
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.913	110	0.32	≤0.4	PASS
2DH5	Ant1	Hop	2.916	110	0.321	≤0.4	PASS
3DH5	Ant1	Hop	2.917	120	0.35	≤0.4	PASS

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

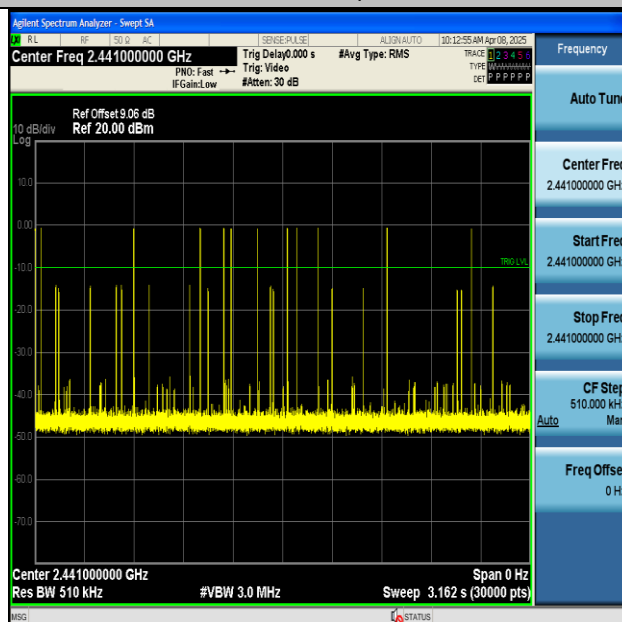
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



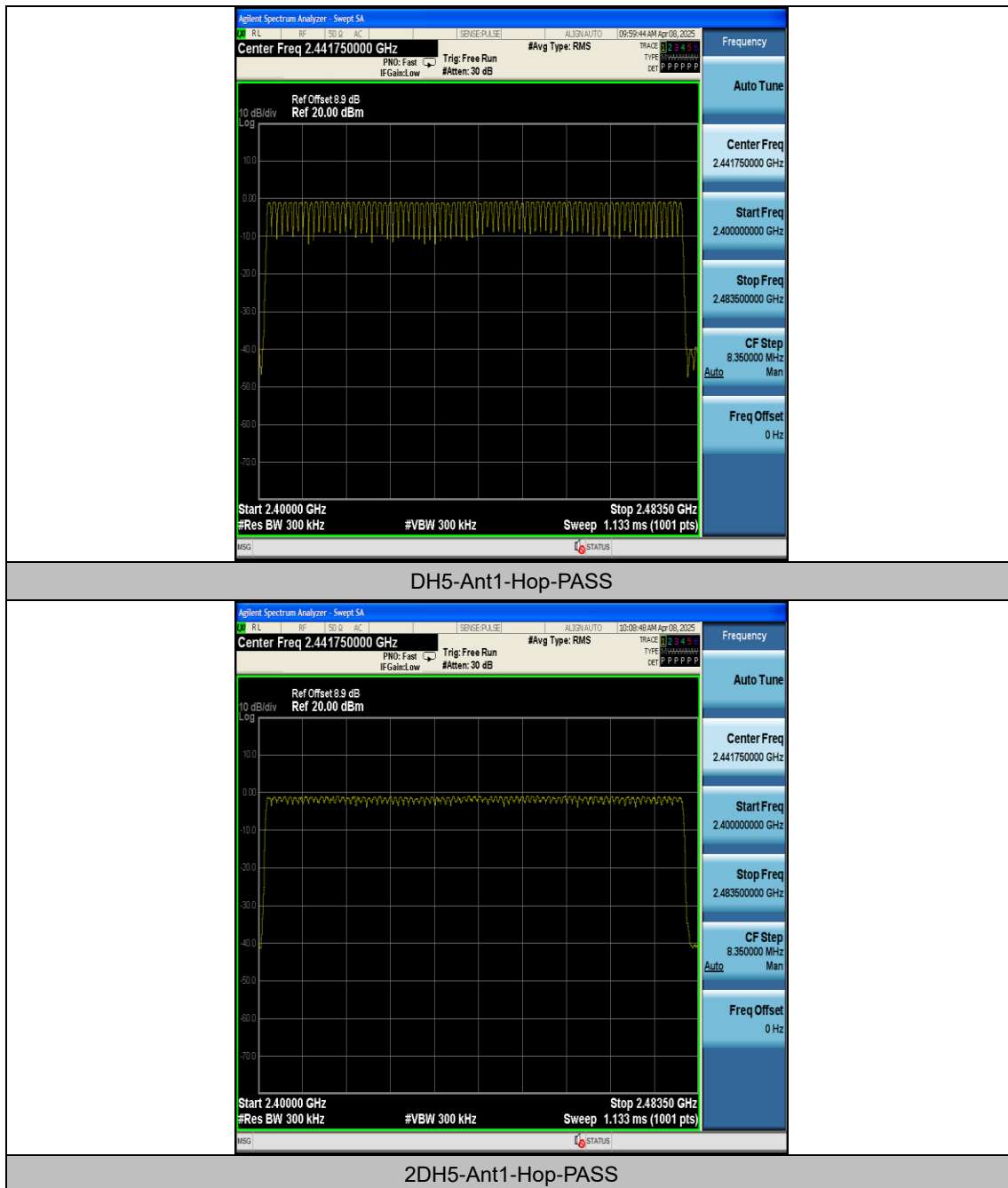
Appendix F: Number of hopping channels

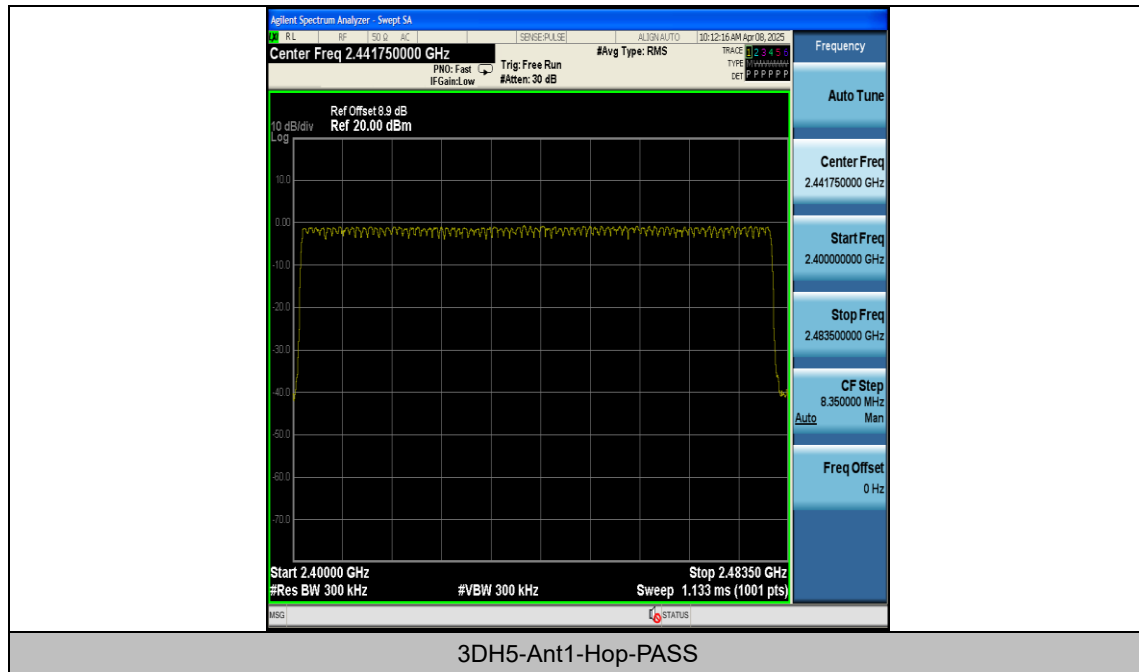
Test Result

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





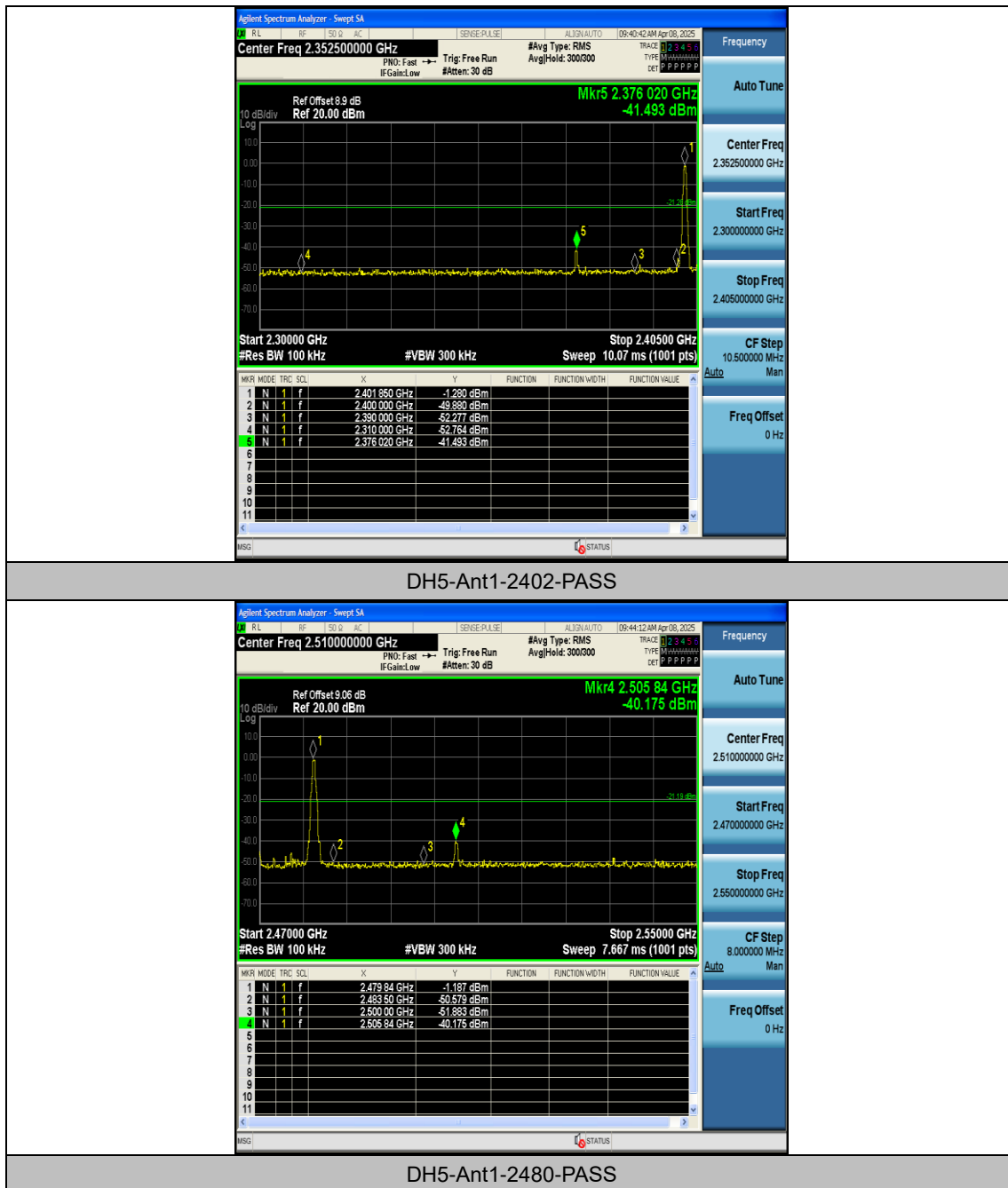
Appendix G: Band edge measurements

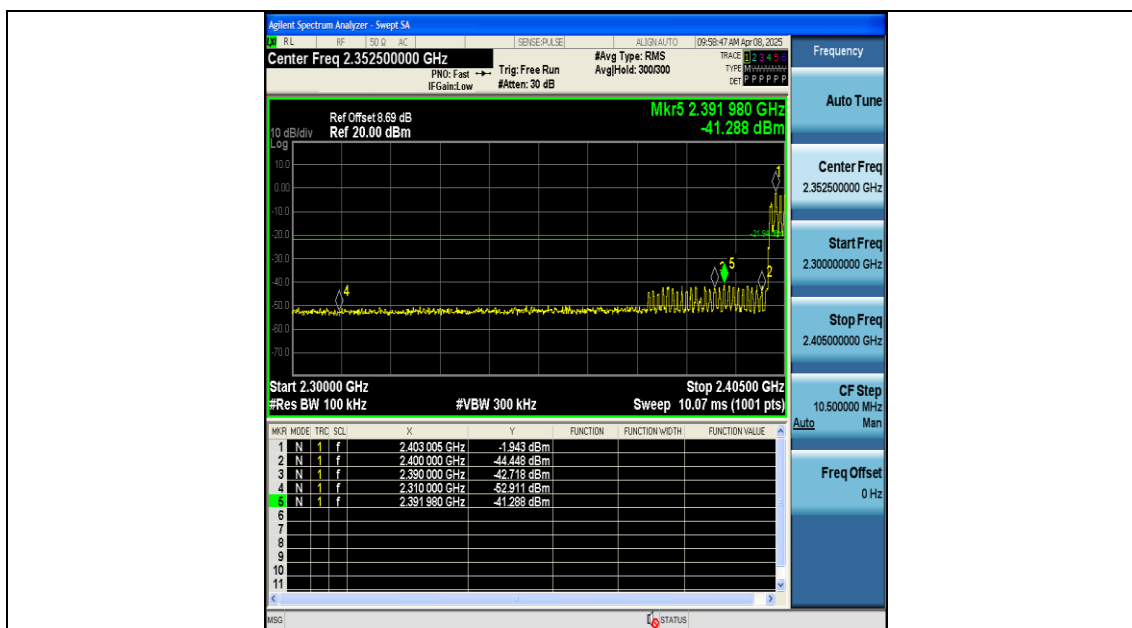
Test Result

Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.28	-41.49	≤ -21.28	PASS
DH5	Ant1	High	2480	-1.19	-40.18	≤ -21.19	PASS
DH5	Ant1	Low	Hop_2402	-1.94	-41.29	≤ -21.94	PASS
DH5	Ant1	High	Hop_2480	-1.44	-40.96	≤ -21.44	PASS
2DH5	Ant1	Low	2402	-2.64	-42.69	≤ -22.64	PASS
2DH5	Ant1	High	2480	-1.32	-41.33	≤ -21.32	PASS
2DH5	Ant1	Low	Hop_2402	-3.92	-42.56	≤ -23.92	PASS
2DH5	Ant1	High	Hop_2480	-3.03	-42.52	≤ -23.03	PASS
3DH5	Ant1	Low	2402	-1.27	-42.6	≤ -21.27	PASS
3DH5	Ant1	High	2480	-1.19	-40.76	≤ -21.19	PASS
3DH5	Ant1	Low	Hop_2402	-2.88	-41.7	≤ -22.88	PASS
3DH5	Ant1	High	Hop_2480	-2.22	-42.04	≤ -22.22	PASS

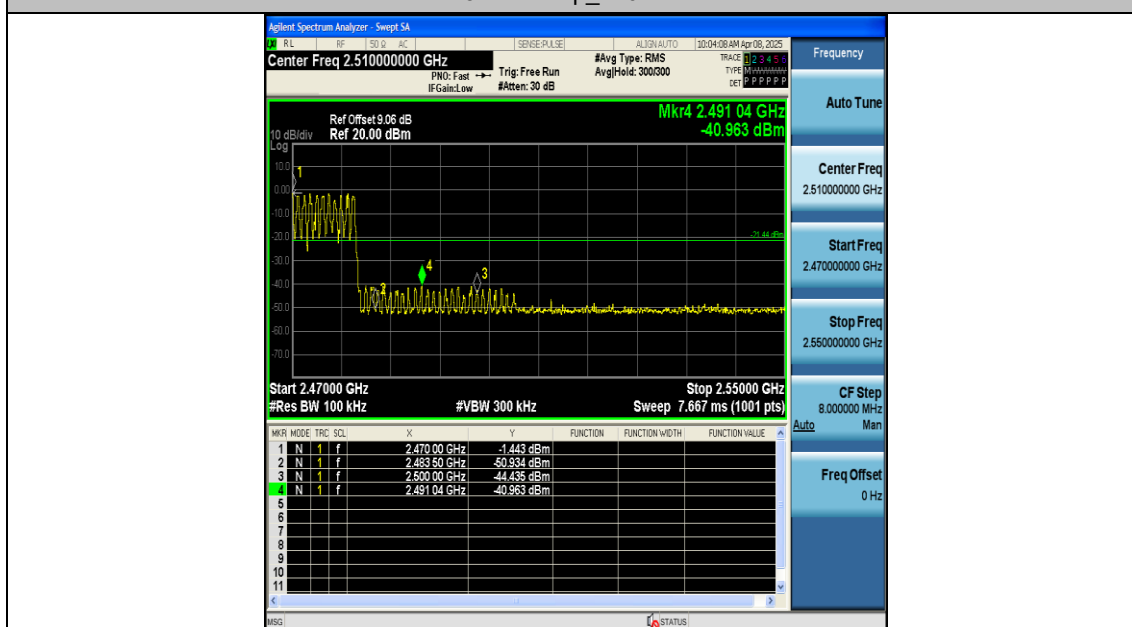
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

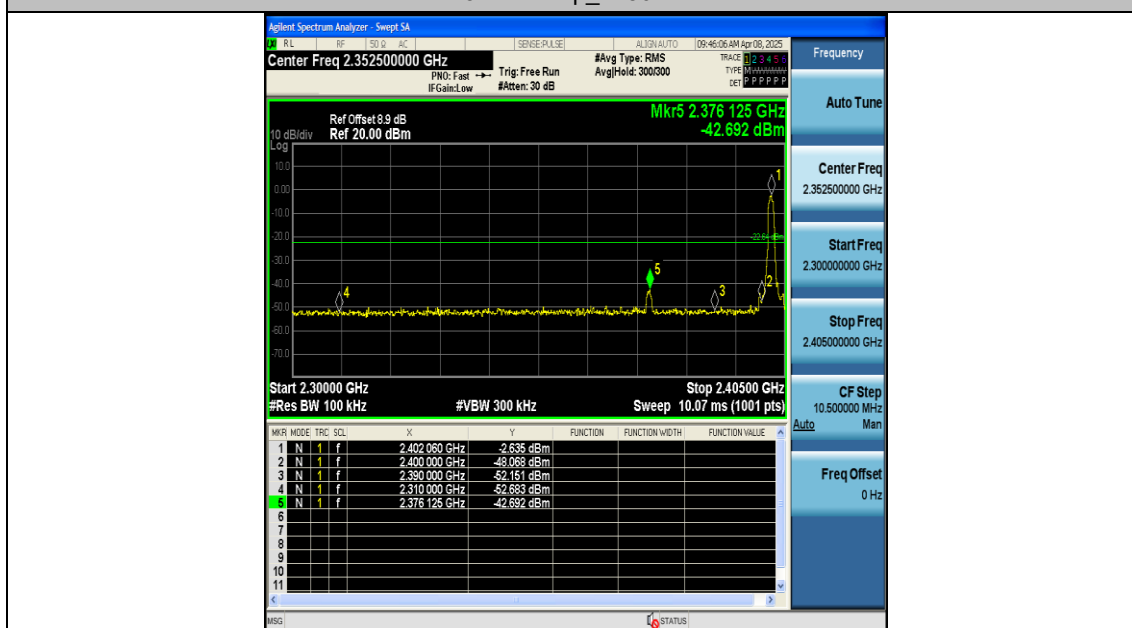




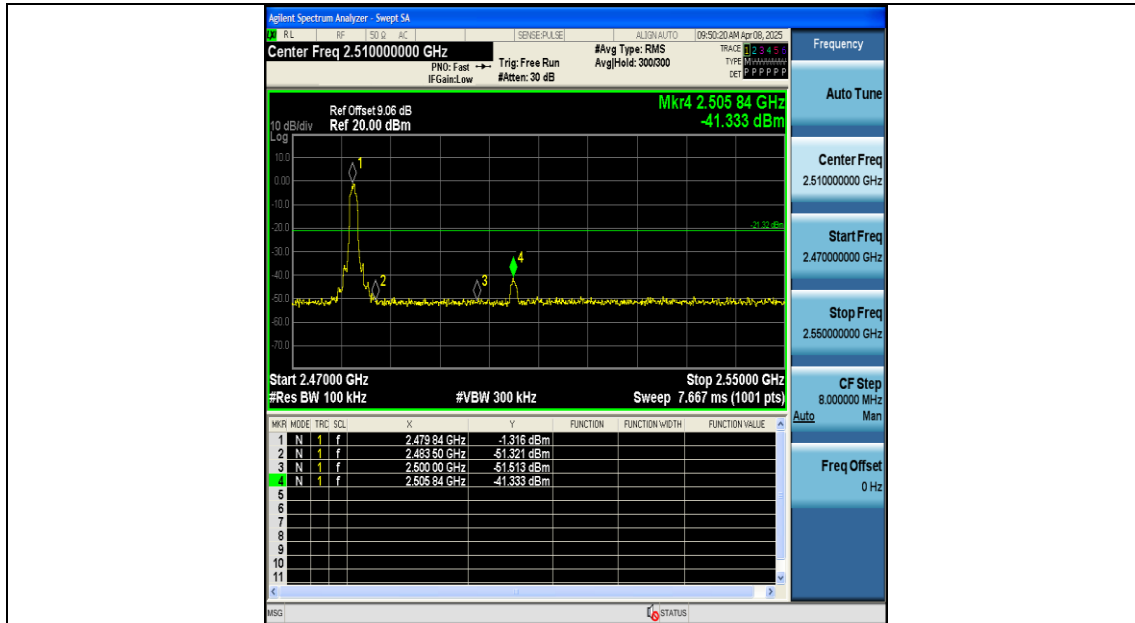
DH5-Ant1-Hop_2402-PASS



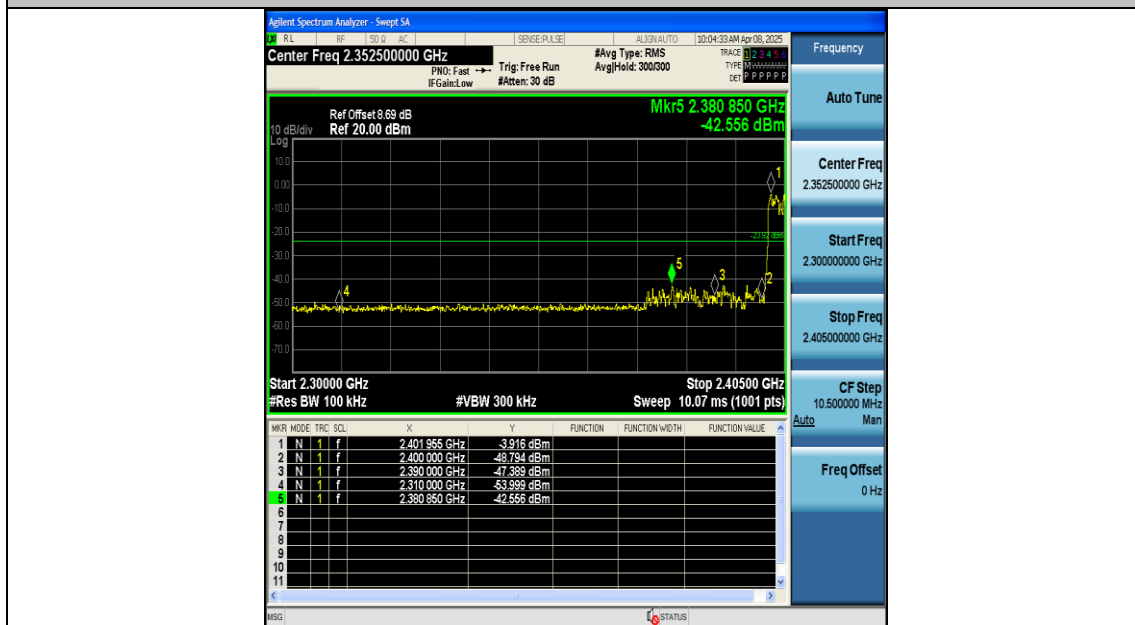
DH5-Ant1-Hop_2480-PASS



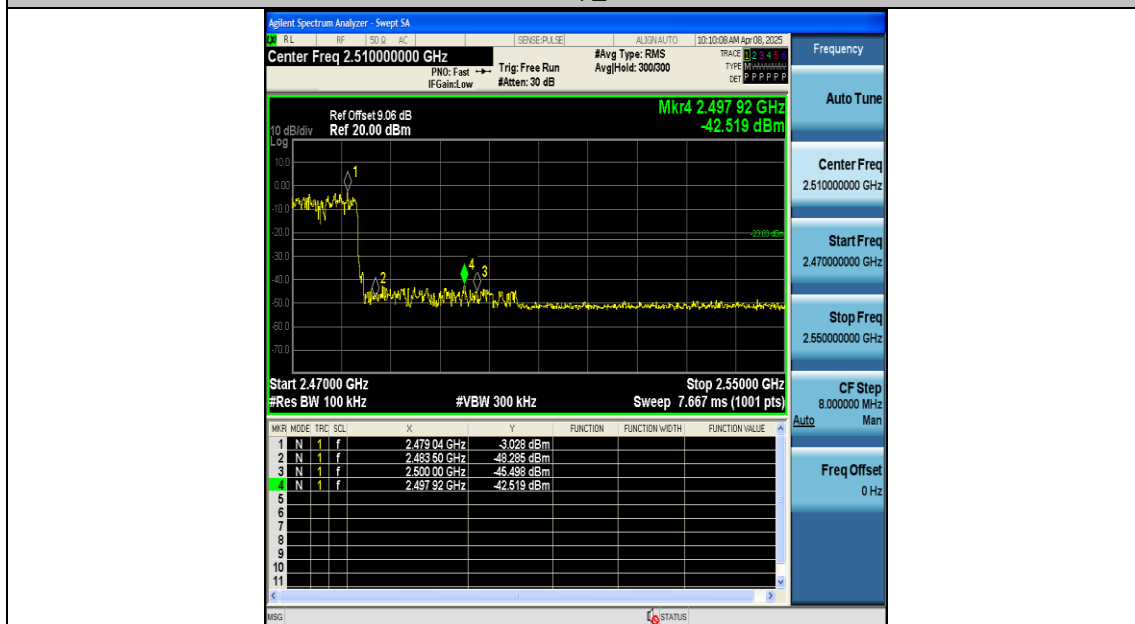
2DH5-Ant1-2402-PASS



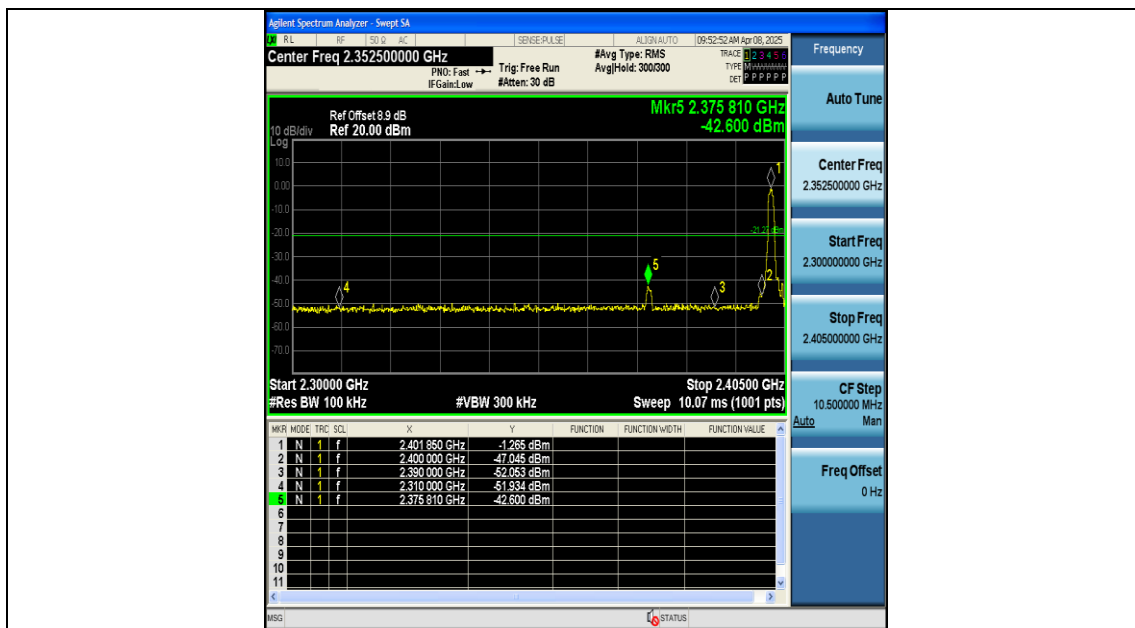
2DH5-Ant1-2480-PASS



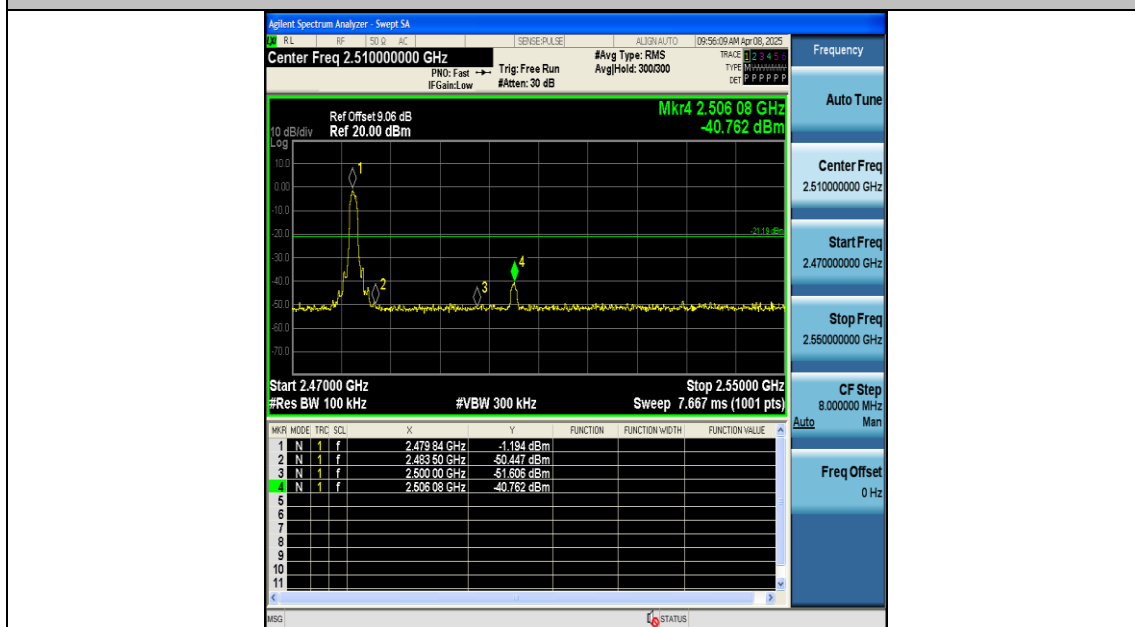
2DH5-Ant1-Hop_2402-PASS



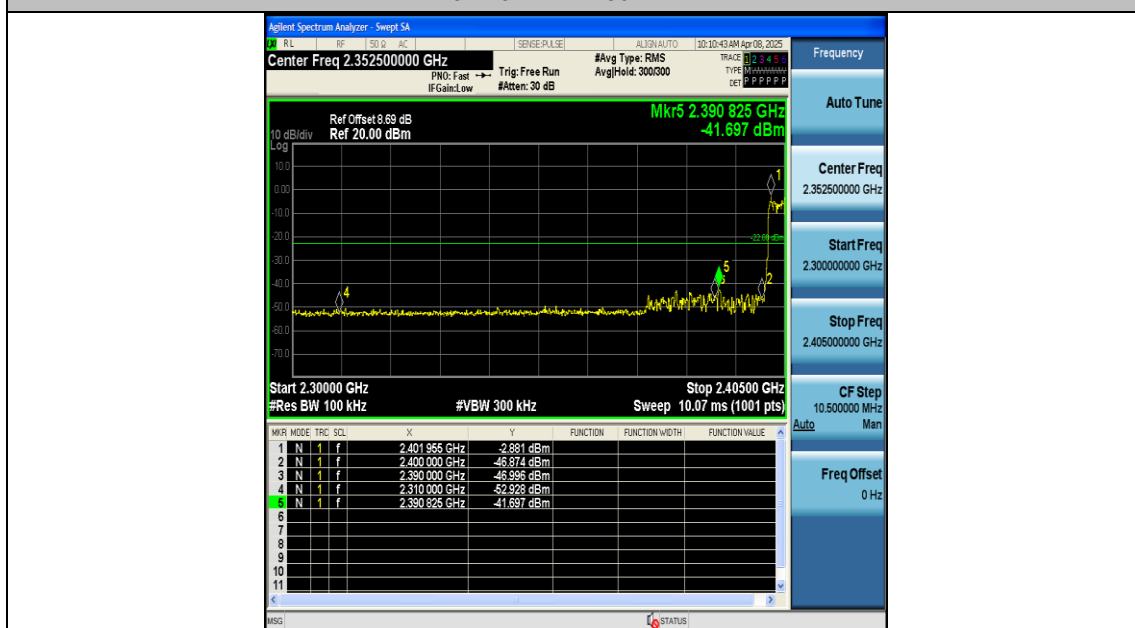
2DH5-Ant1-Hop_2480-PASS



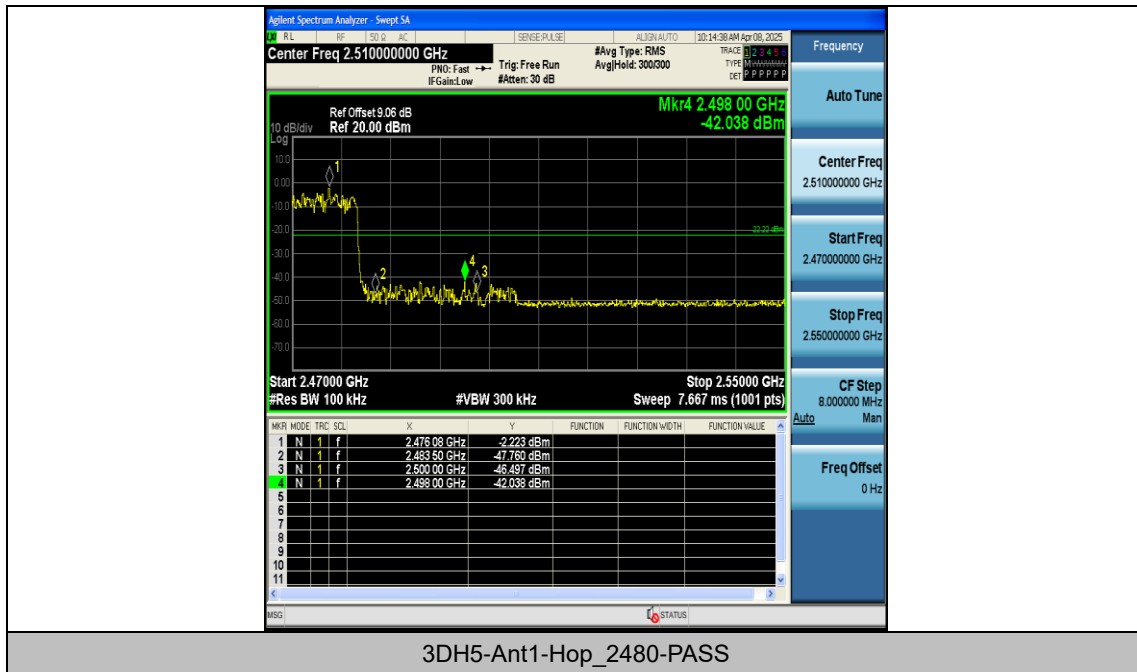
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



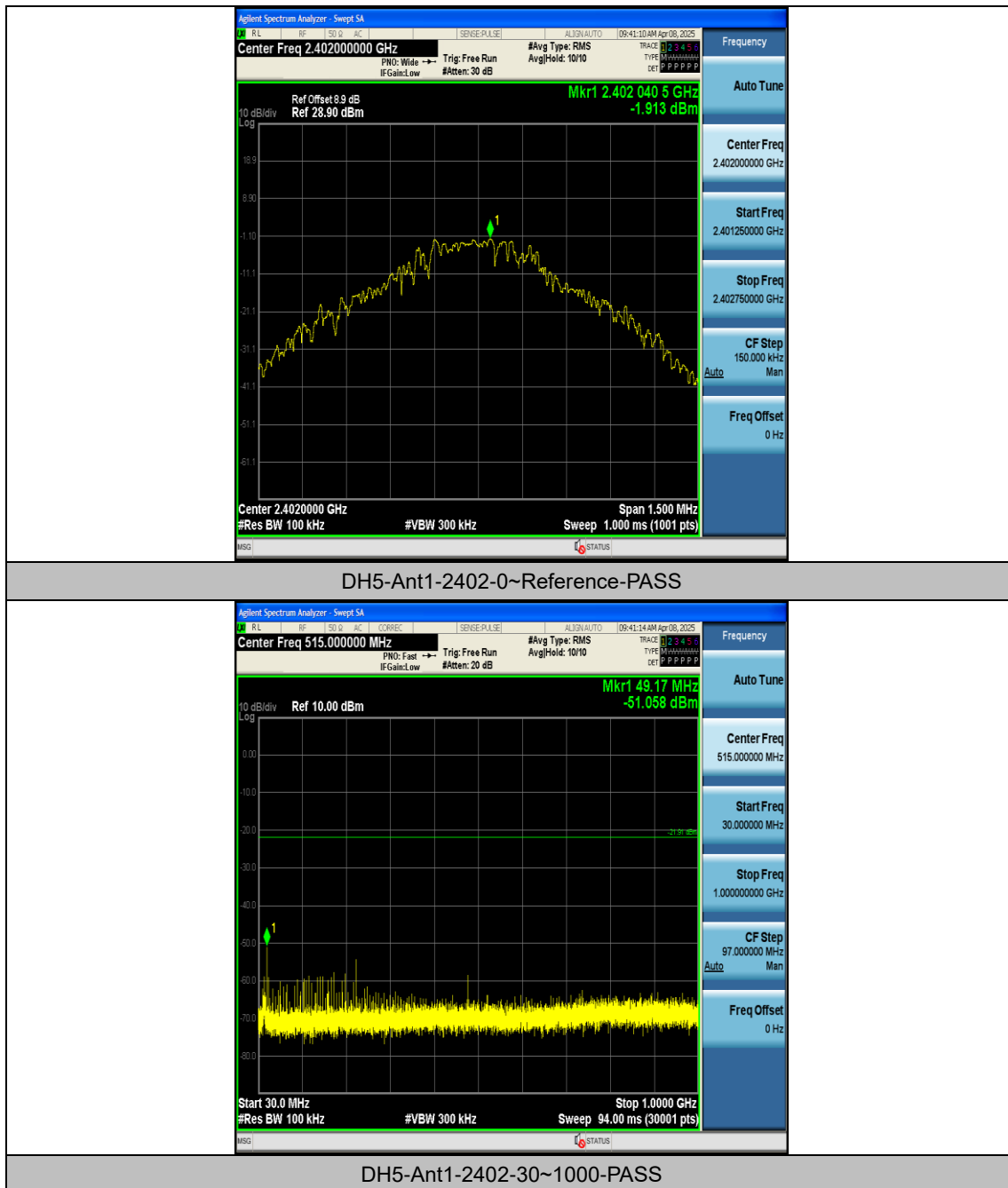
Appendix H: Conducted Spurious Emission

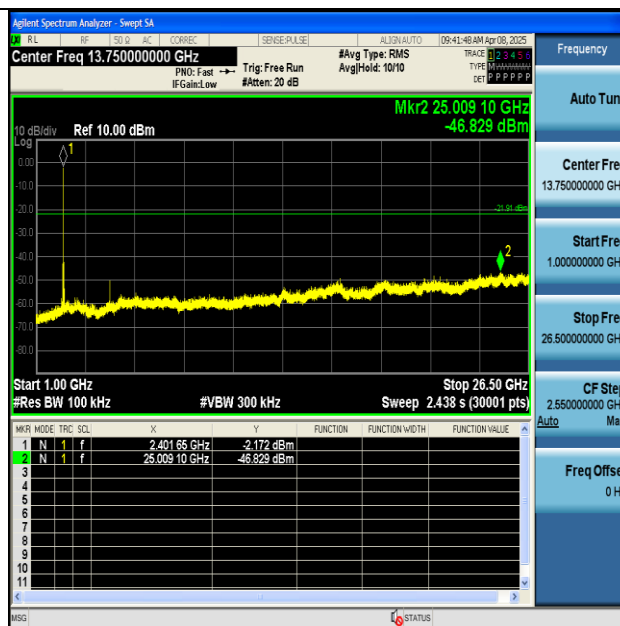
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.91	-1.91	---	PASS
DH5	Ant1	2402	30~1000	-1.91	-51.06	≤ -21.91	PASS
DH5	Ant1	2402	1000~26500	-1.91	-46.83	≤ -21.91	PASS
DH5	Ant1	2441	0~Reference	-1.55	-1.55	---	PASS
DH5	Ant1	2441	30~1000	-1.55	-46.37	≤ -21.55	PASS
DH5	Ant1	2441	1000~26500	-1.55	-41.02	≤ -21.55	PASS
DH5	Ant1	2480	0~Reference	-1.34	-1.34	---	PASS
DH5	Ant1	2480	30~1000	-1.34	-48.92	≤ -21.34	PASS
DH5	Ant1	2480	1000~26500	-1.34	-45.98	≤ -21.34	PASS
2DH5	Ant1	2402	0~Reference	-3.62	-3.62	---	PASS
2DH5	Ant1	2402	30~1000	-3.62	-53.96	≤ -23.62	PASS
2DH5	Ant1	2402	1000~26500	-3.62	-45.8	≤ -23.62	PASS
2DH5	Ant1	2441	0~Reference	-3.97	-3.97	---	PASS
2DH5	Ant1	2441	30~1000	-3.97	-49.1	≤ -23.97	PASS
2DH5	Ant1	2441	1000~26500	-3.97	-46.2	≤ -23.97	PASS
2DH5	Ant1	2480	0~Reference	-2.34	-2.34	---	PASS
2DH5	Ant1	2480	30~1000	-2.34	-47.03	≤ -22.34	PASS
2DH5	Ant1	2480	1000~26500	-2.34	-45.21	≤ -22.34	PASS
3DH5	Ant1	2402	0~Reference	-3.85	-3.85	---	PASS
3DH5	Ant1	2402	30~1000	-3.85	-46.24	≤ -23.85	PASS
3DH5	Ant1	2402	1000~26500	-3.85	-44.76	≤ -23.85	PASS
3DH5	Ant1	2441	0~Reference	-1.07	-1.07	---	PASS
3DH5	Ant1	2441	30~1000	-1.07	-48.42	≤ -21.07	PASS
3DH5	Ant1	2441	1000~26500	-1.07	-45.57	≤ -21.07	PASS
3DH5	Ant1	2480	0~Reference	-3.13	-3.13	---	PASS
3DH5	Ant1	2480	30~1000	-3.13	-49.1	≤ -23.13	PASS
3DH5	Ant1	2480	1000~26500	-3.13	-45.62	≤ -23.13	PASS

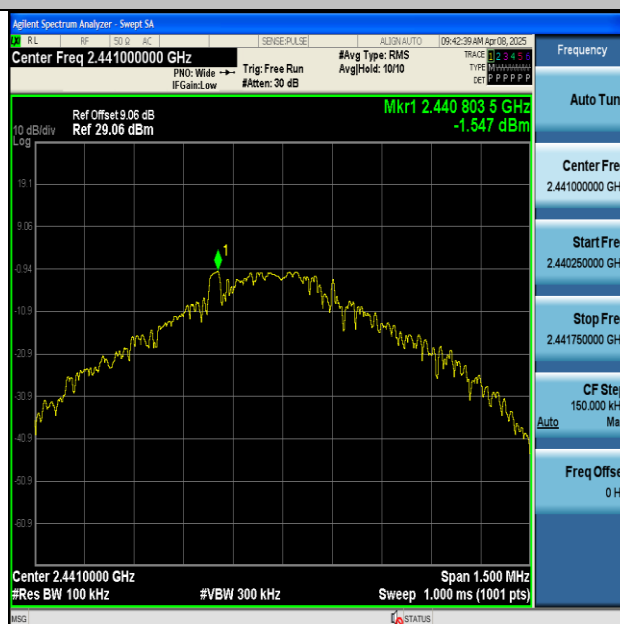
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs

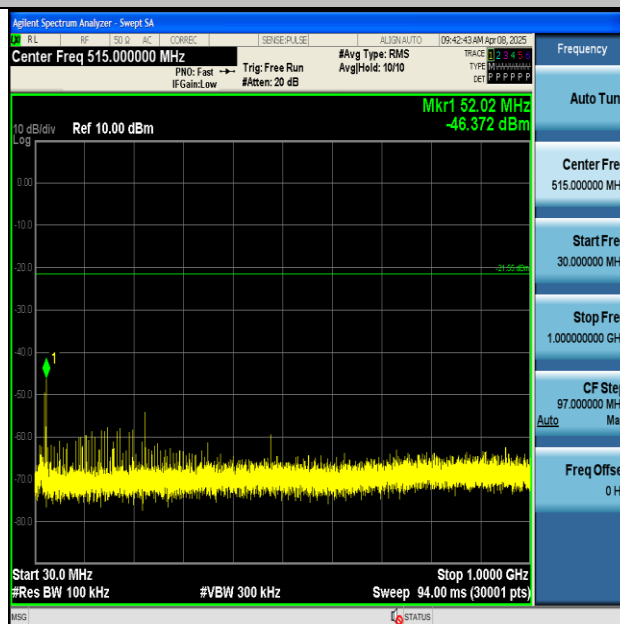




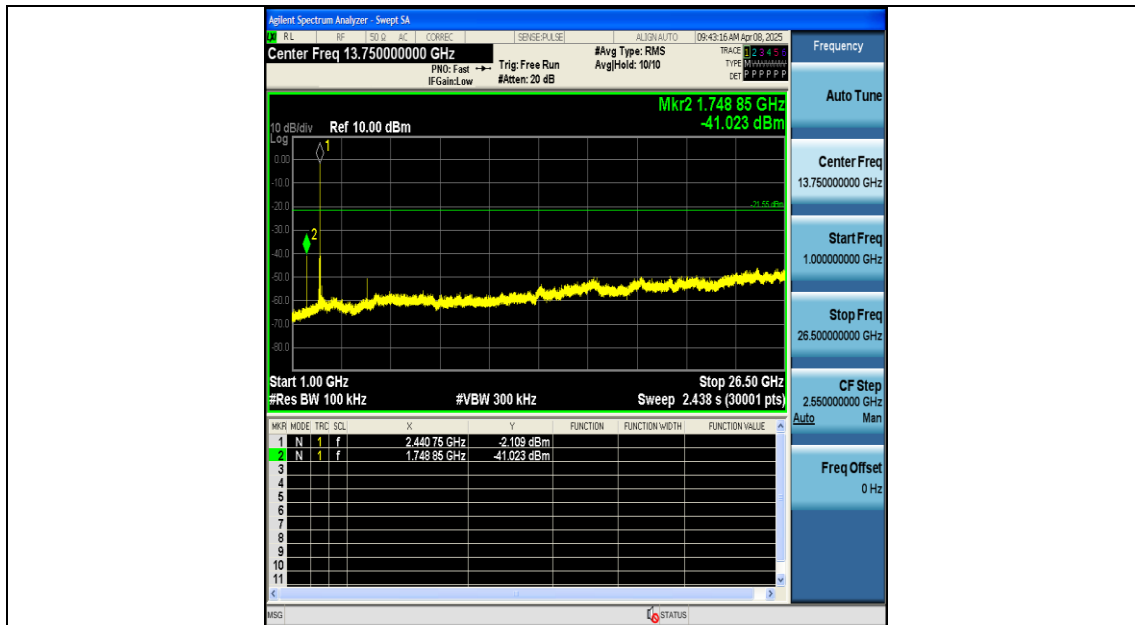
DH5-Ant1-2402-1000~26500-PASS



DH5-Ant1-2441-0~Reference-PASS



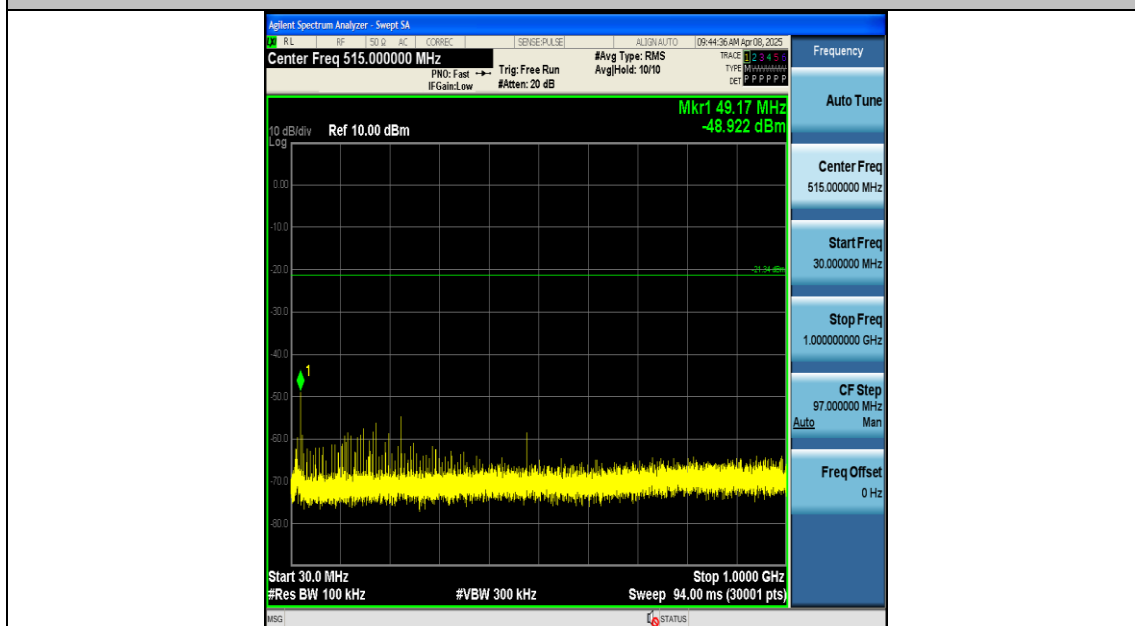
DH5-Ant1-2441-30~1000-PASS



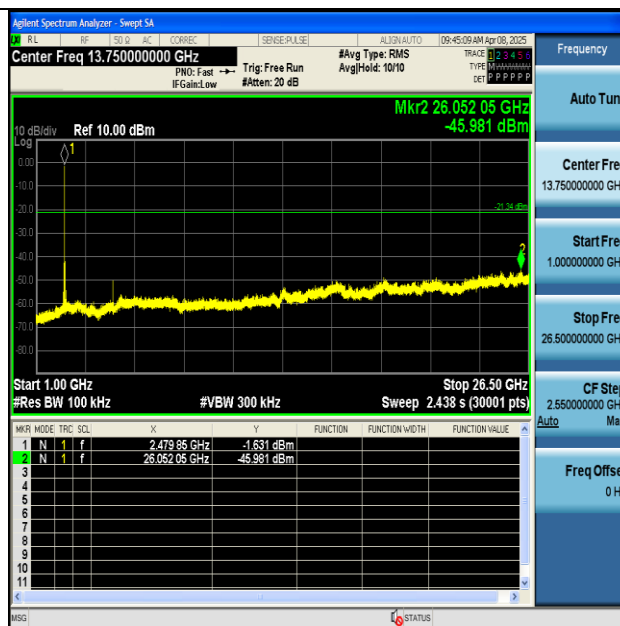
DH5-Ant1-2441-1000~26500-PASS



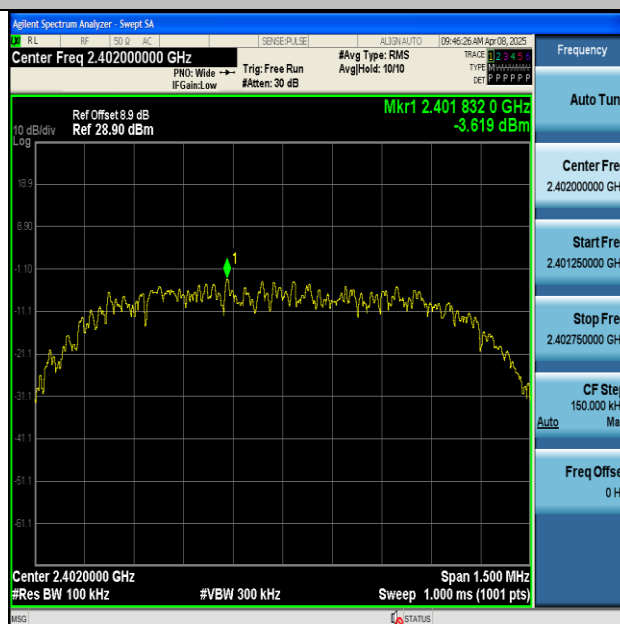
DH5-Ant1-2480-0~Reference-PASS



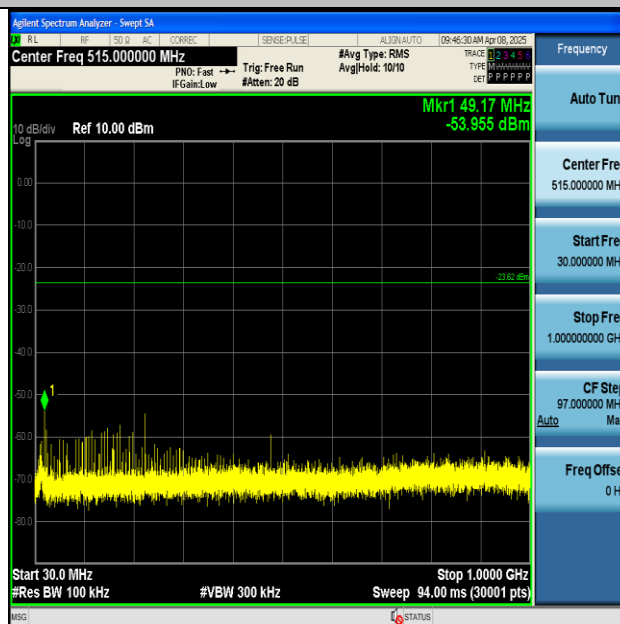
DH5-Ant1-2480-30~1000-PASS



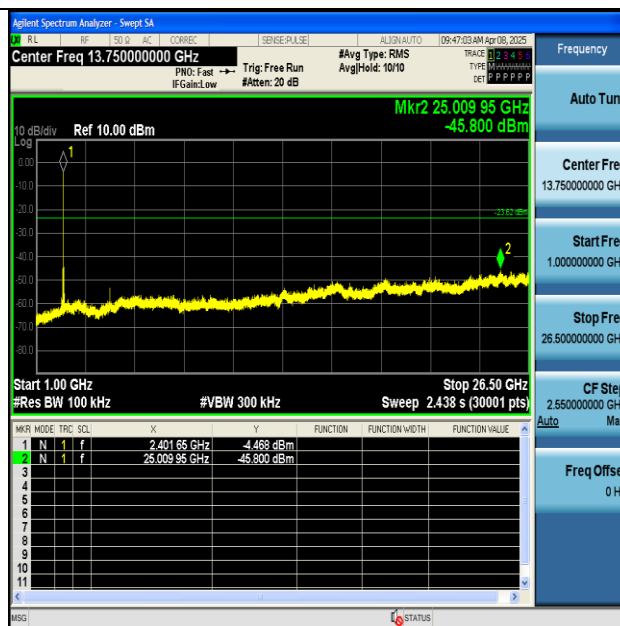
DH5-Ant1-2480-1000~26500-PASS



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



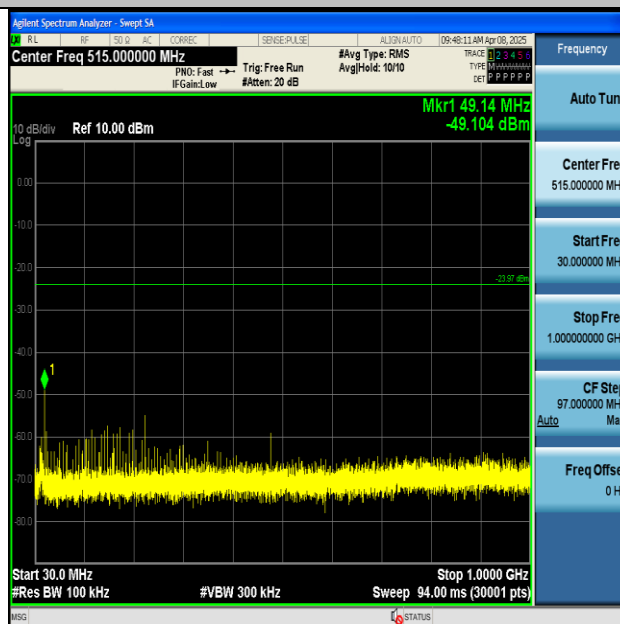
2DH5-Ant1-2402-30~1000-PASS



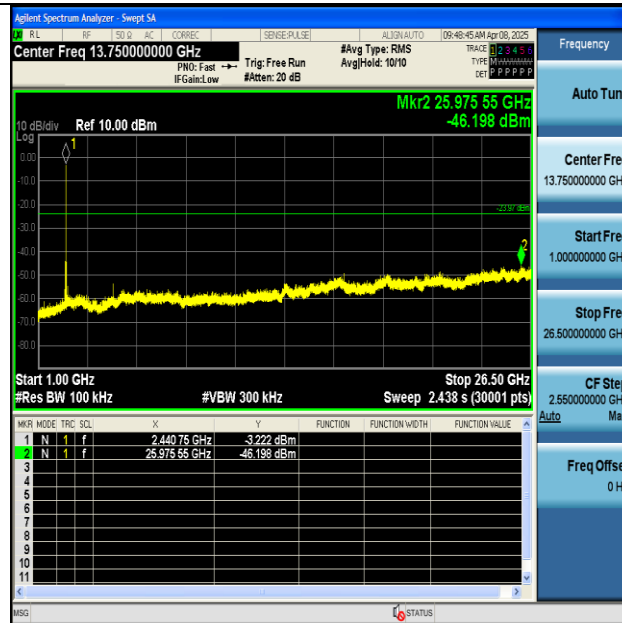
2DH5-Ant1-2402-1000~26500-PASS



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



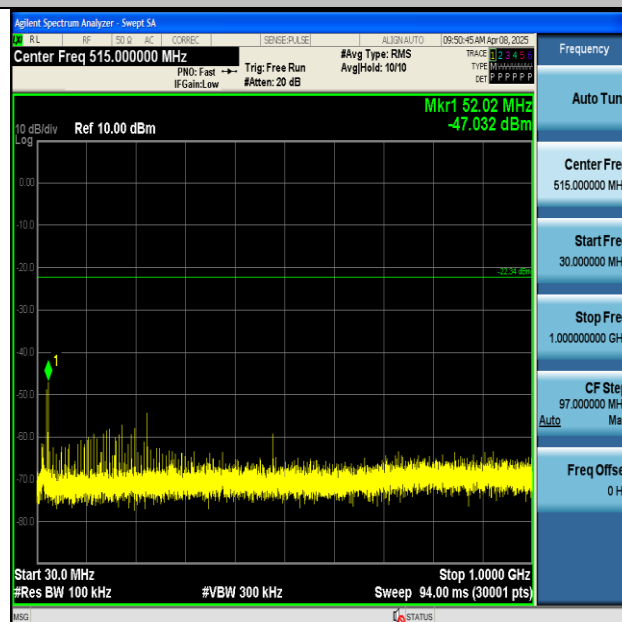
2DH5-Ant1-2441-30~1000-PASS



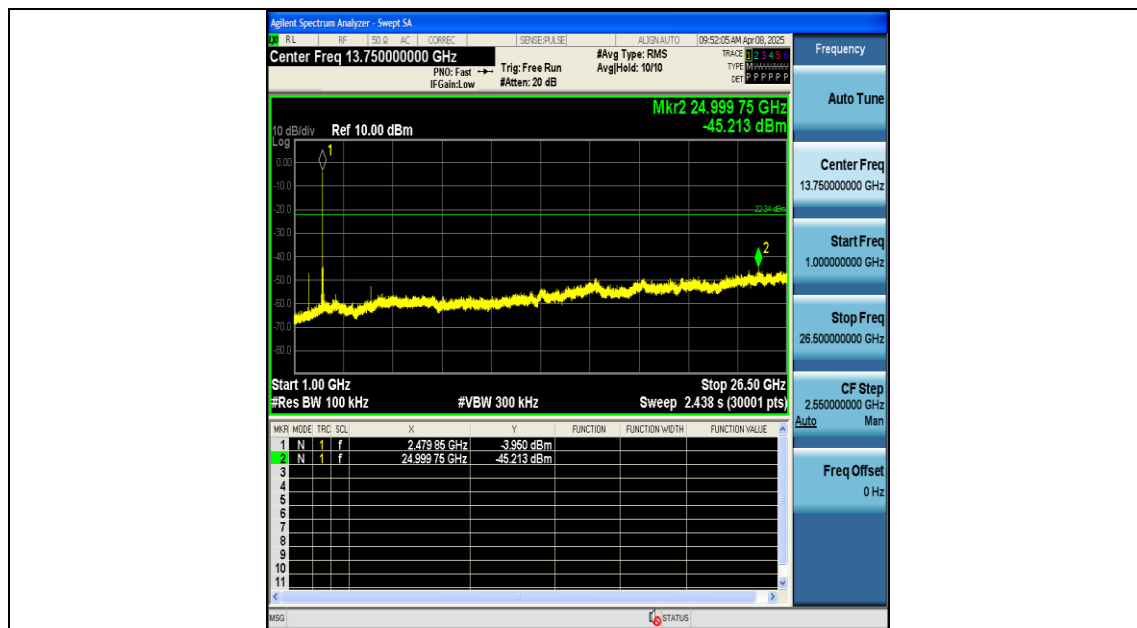
2DH5-Ant1-2441-1000~26500-PASS



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



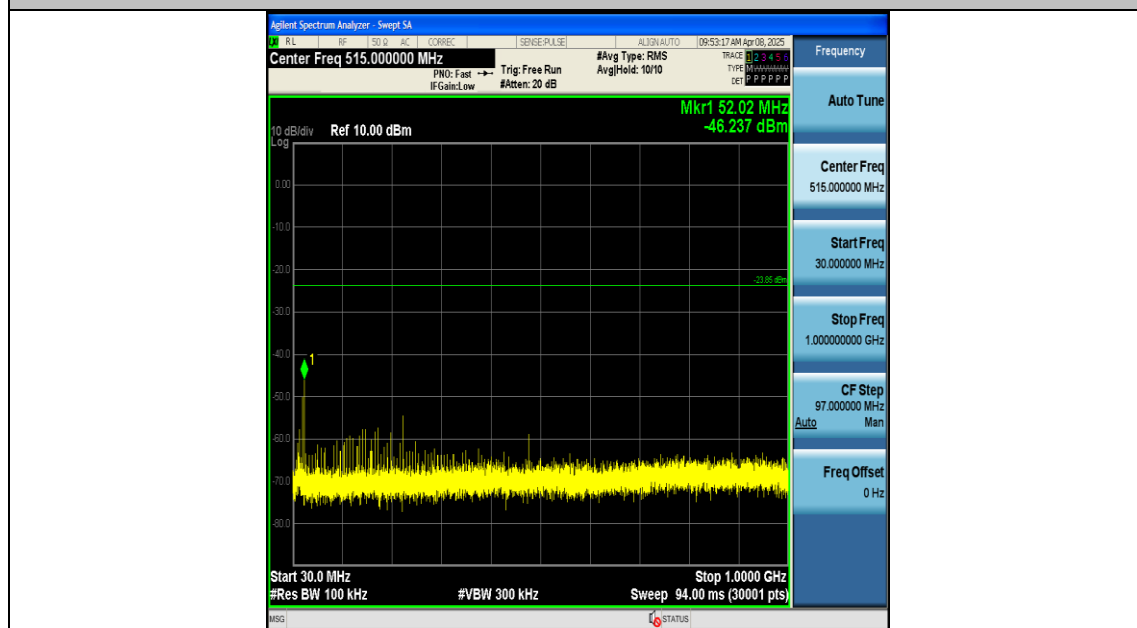
2DH5-Ant1-2480-30~1000-PASS



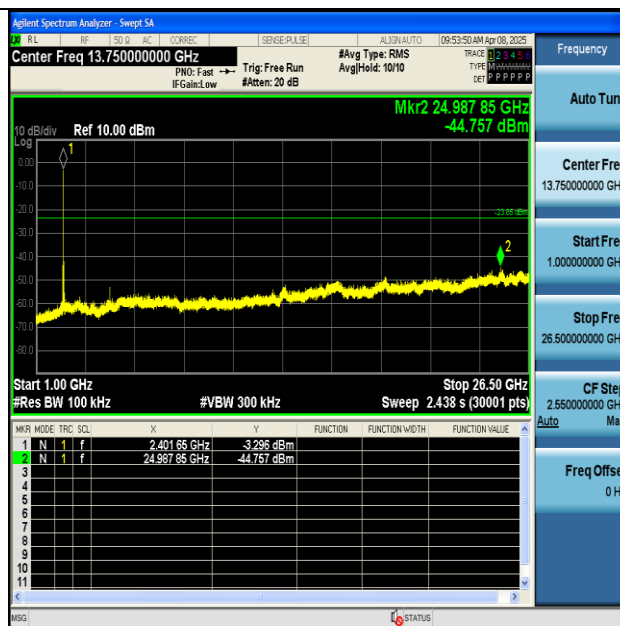
2DH5-Ant1-2480-1000~26500-PASS



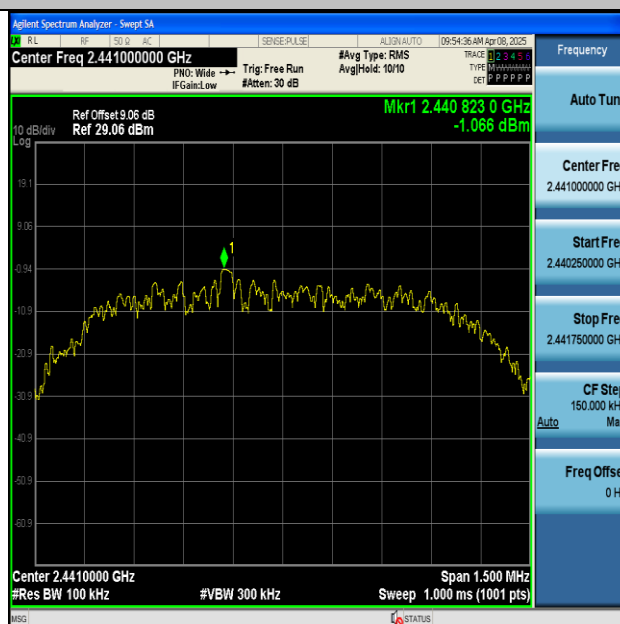
3DH5-Ant1-2402-0~Reference-PASS



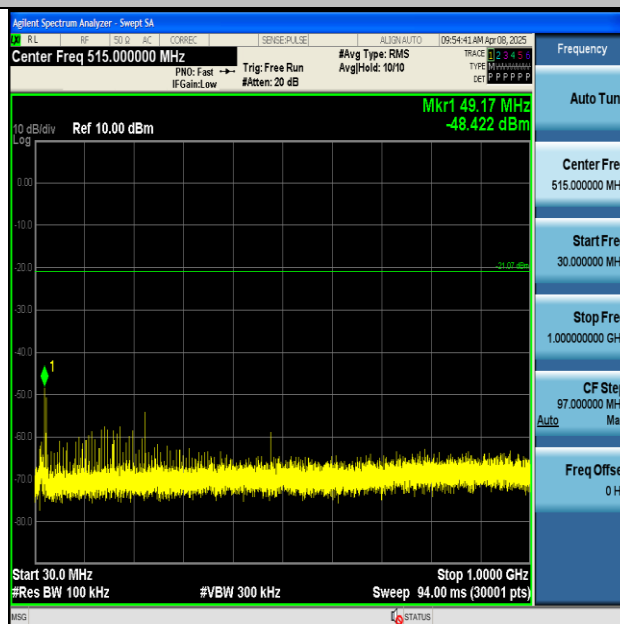
3DH5-Ant1-2402-30~1000-PASS



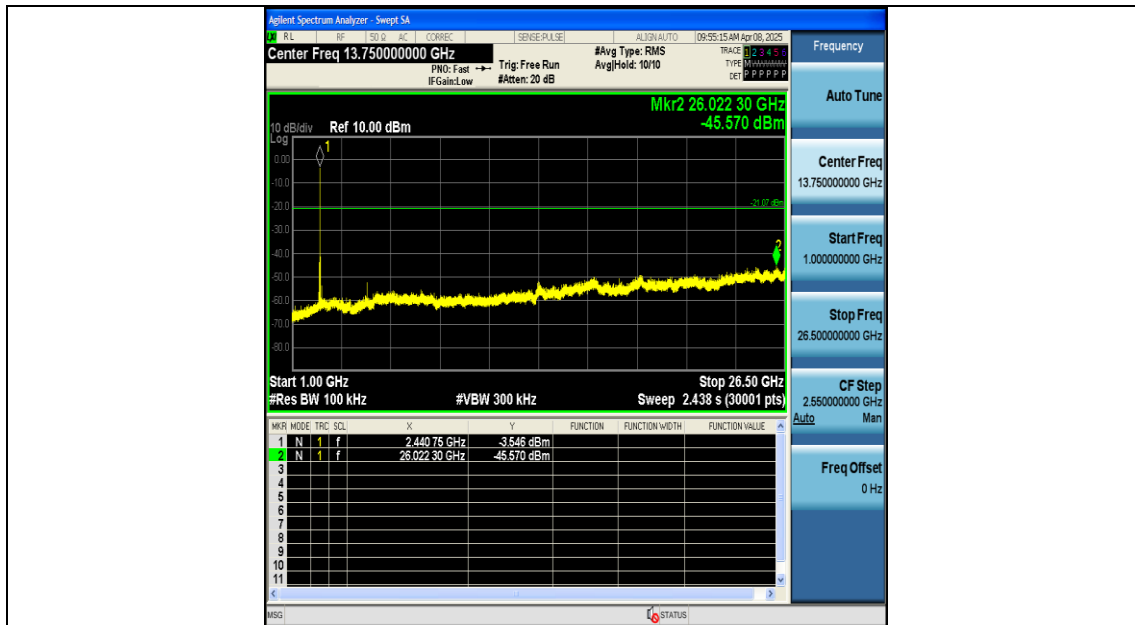
3DH5-Ant1-2402-1000~26500-PASS



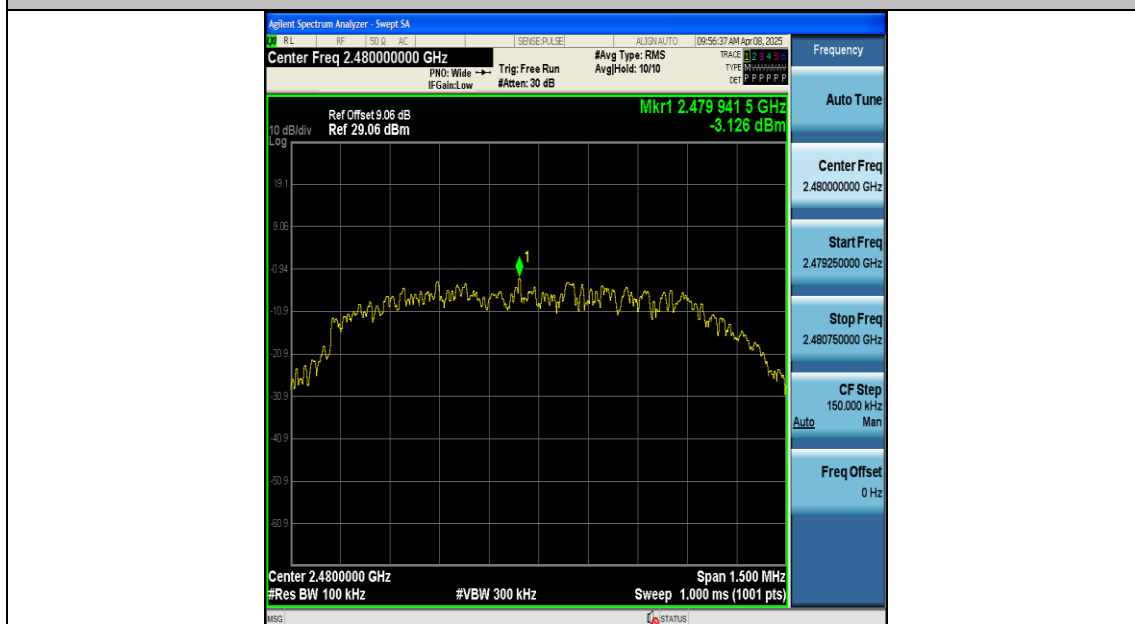
3DH5-Ant1-2441-0~Reference-PASS



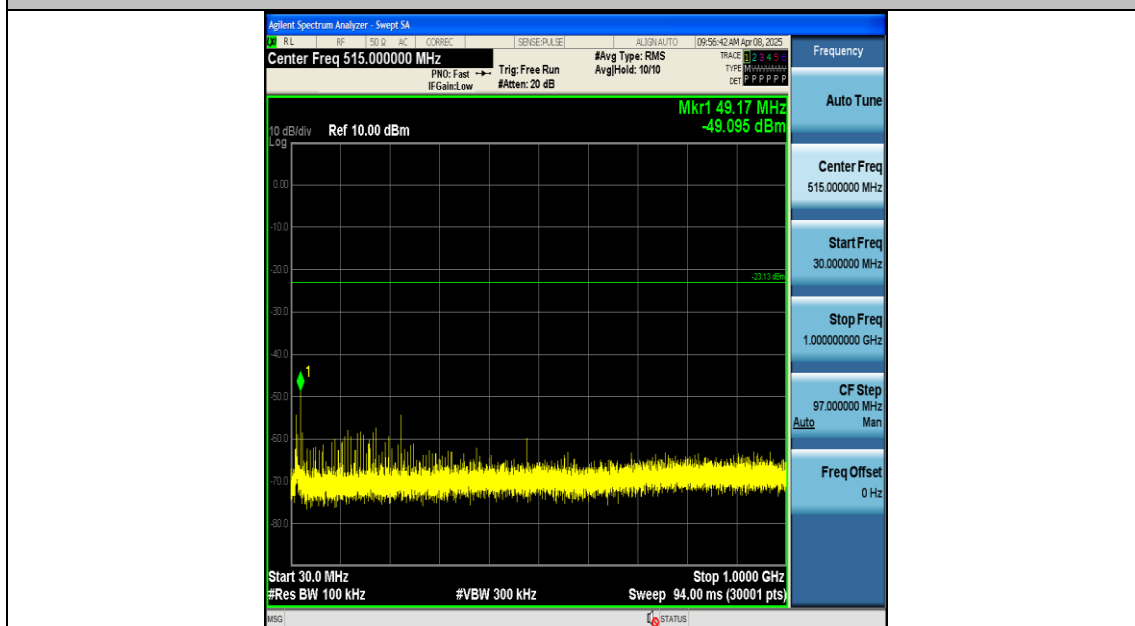
3DH5-Ant1-2441-30~1000-PASS



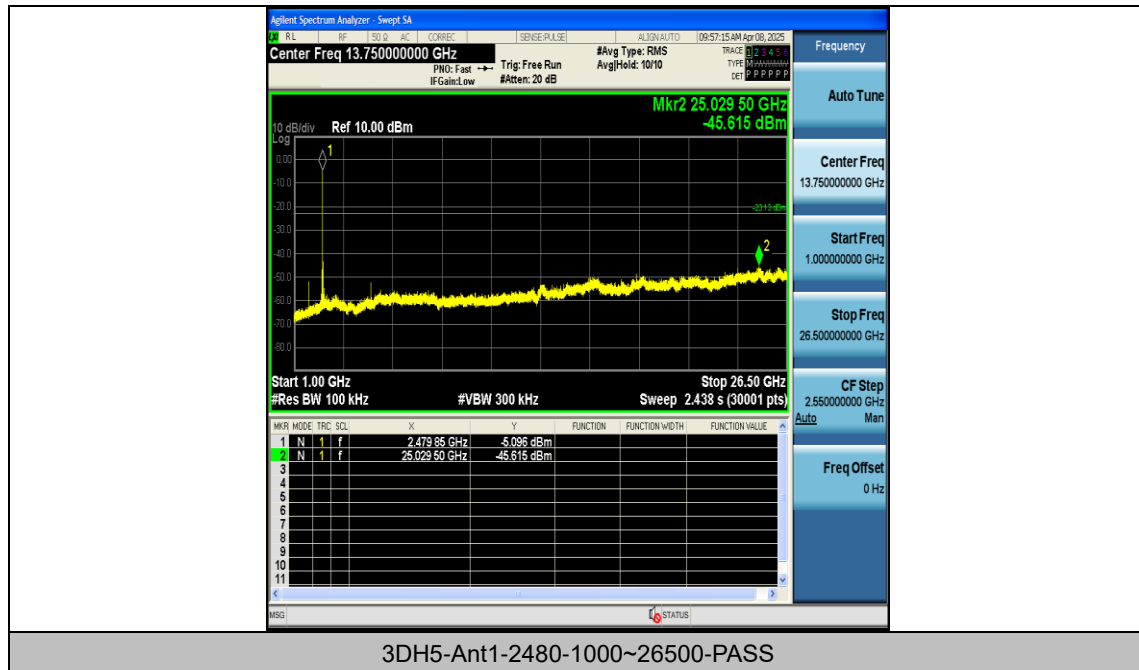
3DH5-Ant1-2441-1000~26500-PASS



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



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



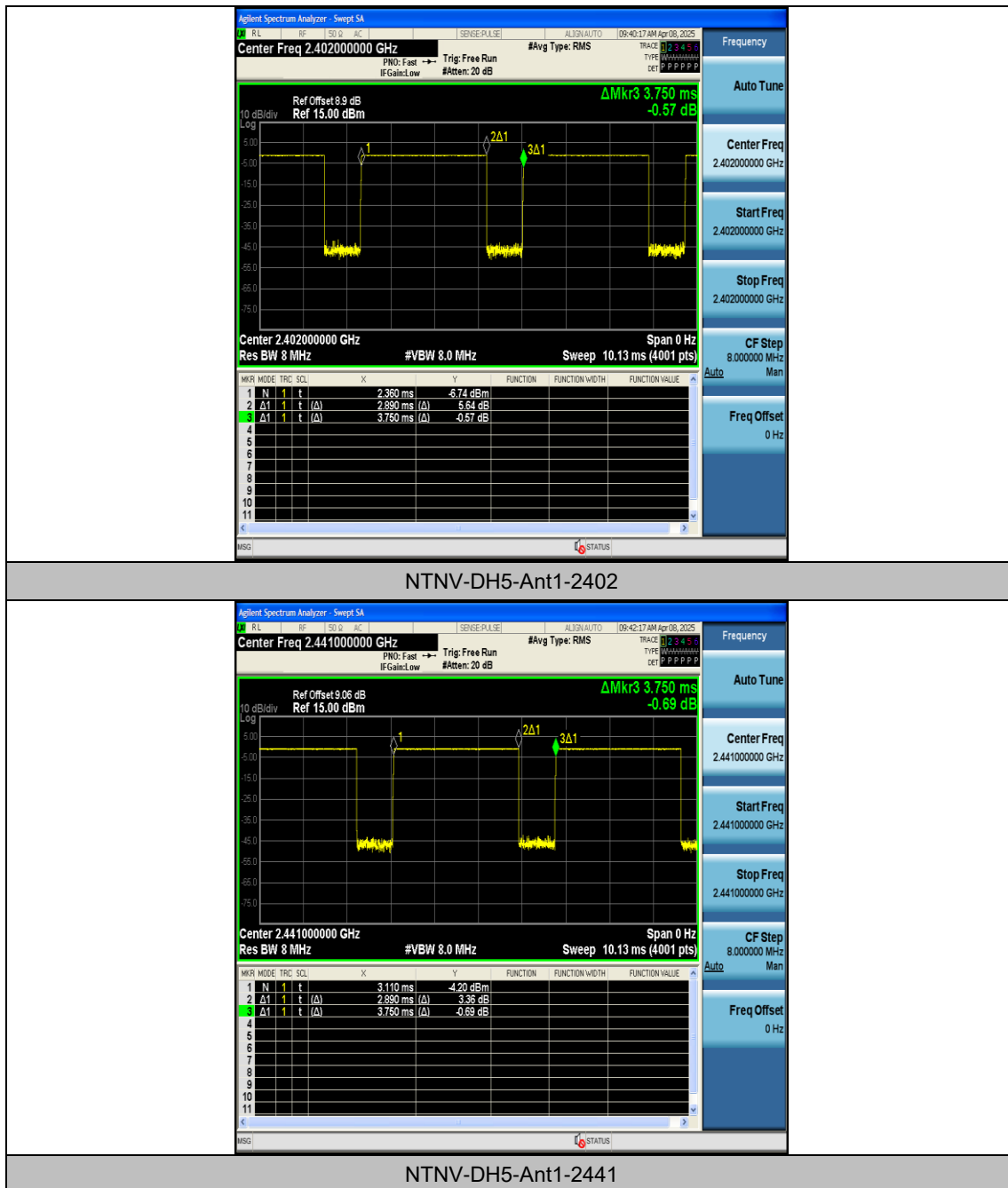
Appendix I: Duty Cycle

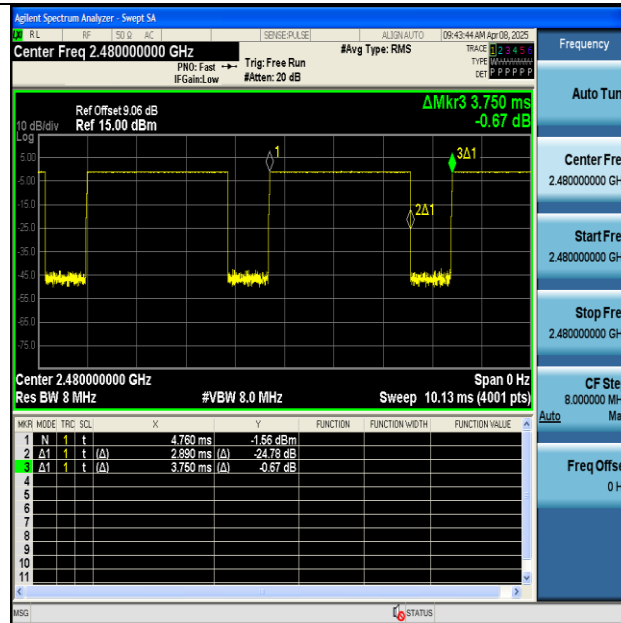
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.89	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	2.90	3.75	77.33	1.12
3DH5	Ant1	2402	2.90	3.75	77.33	1.12
3DH5	Ant1	2441	2.90	3.75	77.33	1.12
3DH5	Ant1	2480	2.89	3.75	77.07	1.13

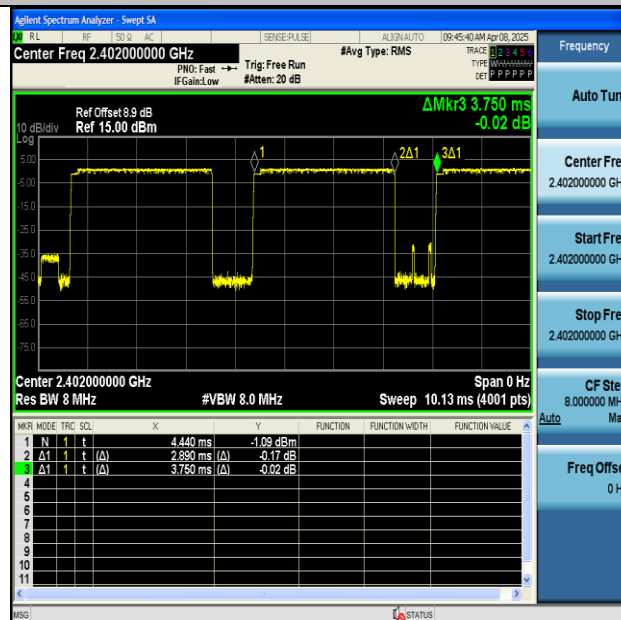
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

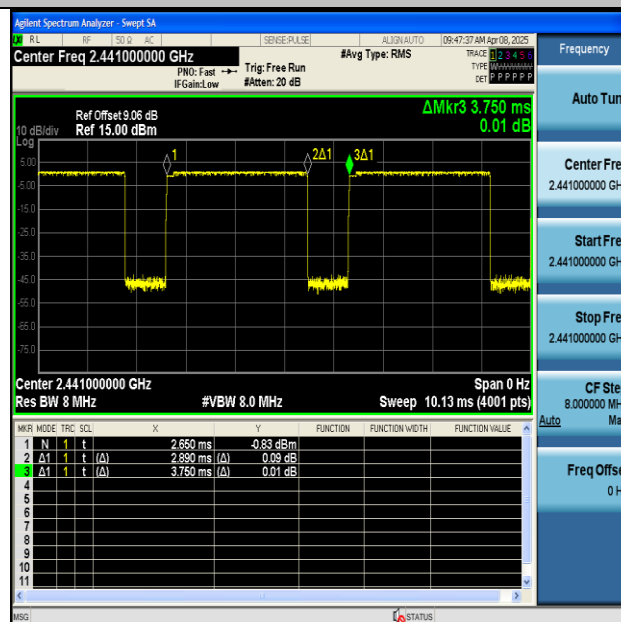




NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441



