

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

Product Name: Bluetooth Headphone

Trade Mark: /

Test Model: SOUNDSORY

FCC ID: 2ANNG-TS02

Environmental Conditions

Temperature:	23.5°C
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	0.942	2401.556	2402.498	---	---
DH5	Ant1	2441	0.951	2440.553	2441.504	---	---
DH5	Ant1	2480	0.957	2479.550	2480.507	---	---
2DH5	Ant1	2402	1.305	2401.358	2402.663	---	---
2DH5	Ant1	2441	1.314	2440.358	2441.672	---	---
2DH5	Ant1	2480	1.281	2479.382	2480.663	---	---

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

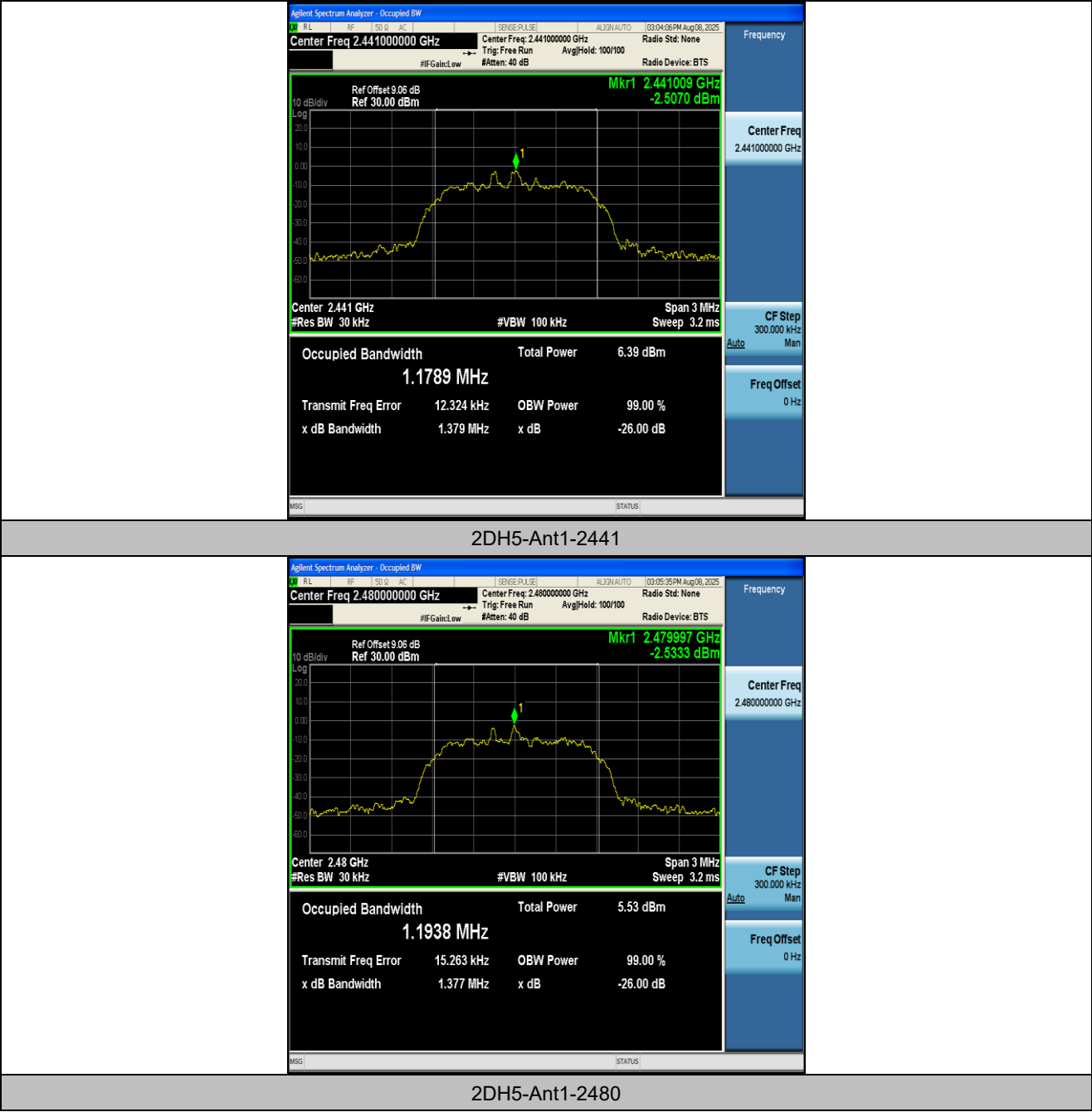
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.88570	2401.5703	2402.4560	---	---
DH5	Ant1	2441	0.88361	2440.5741	2441.4577	---	---
DH5	Ant1	2480	0.86541	2479.5825	2480.4479	---	---
2DH5	Ant1	2402	1.2073	2401.4133	2402.6206	---	---
2DH5	Ant1	2441	1.1789	2440.4229	2441.6018	---	---
2DH5	Ant1	2480	1.1938	2479.4184	2480.6122	---	---

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

Test Graphs







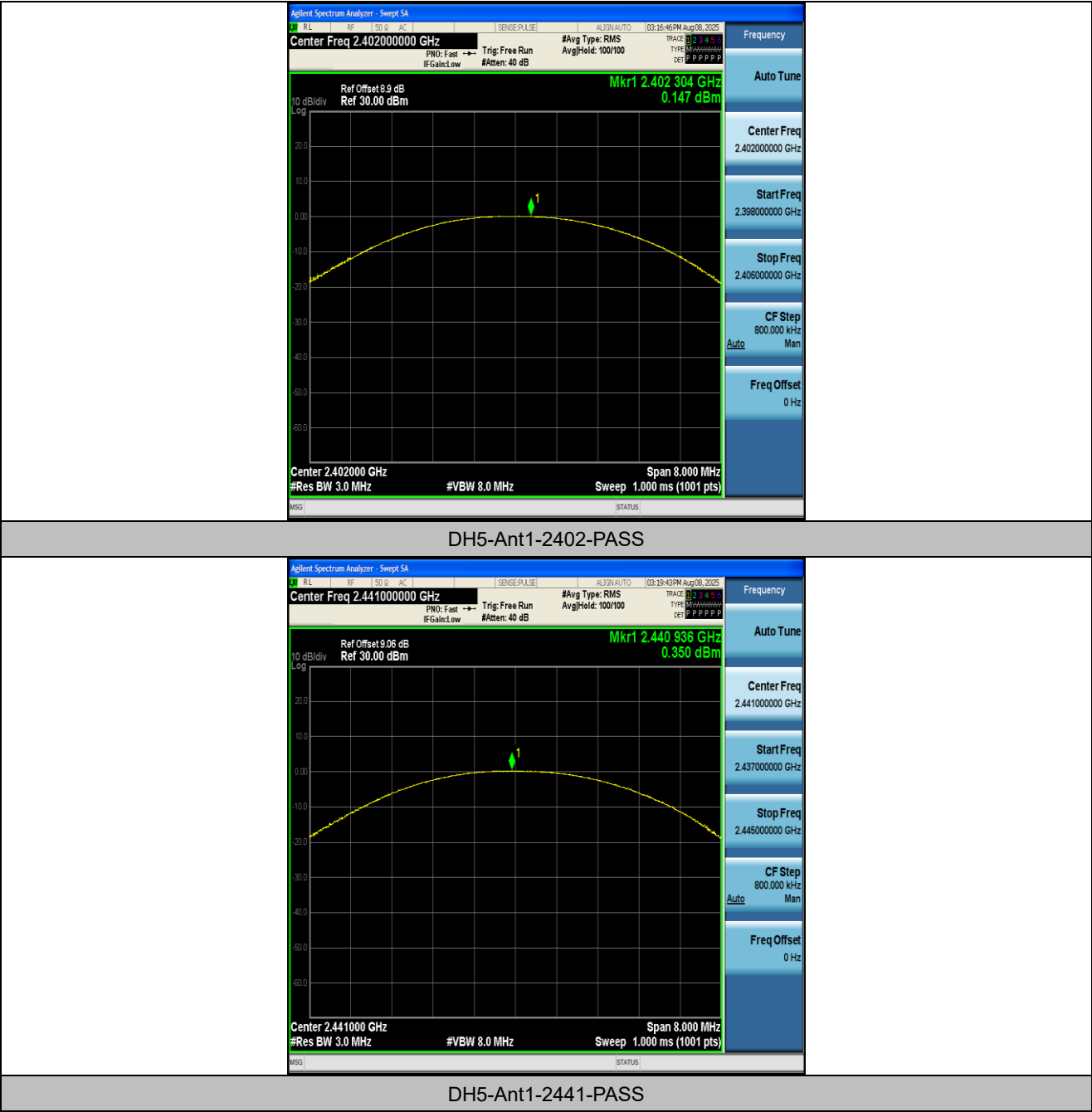
Appendix C: Maximum peak conducted output power

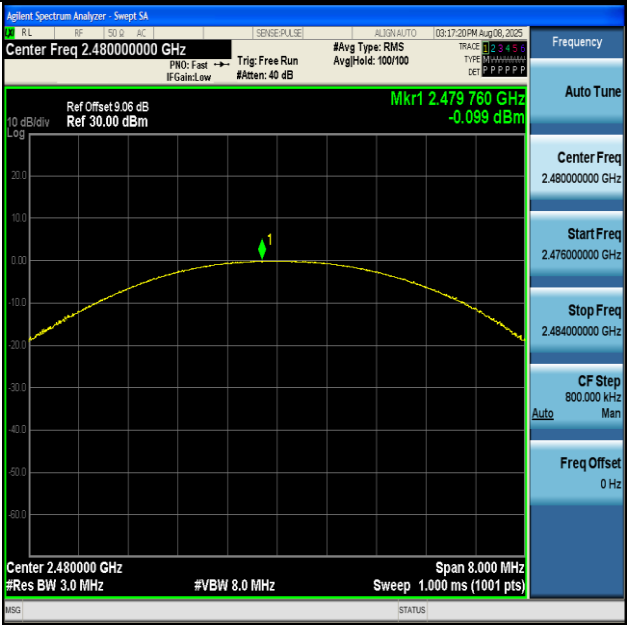
Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	0.15	≤30	PASS
DH5	Ant1	2441	0.35	≤30	PASS
DH5	Ant1	2480	-0.10	≤30	PASS
2DH5	Ant1	2402	0.91	≤20.97	PASS
2DH5	Ant1	2441	1.07	≤20.97	PASS
2DH5	Ant1	2480	0.66	≤20.97	PASS

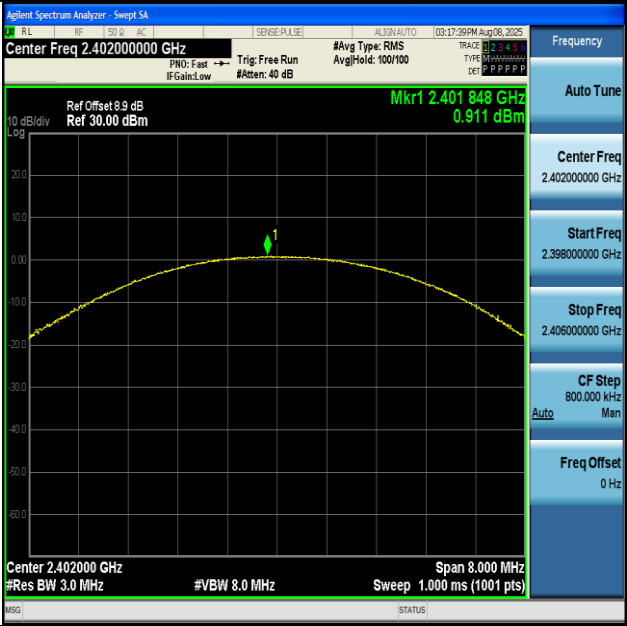
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

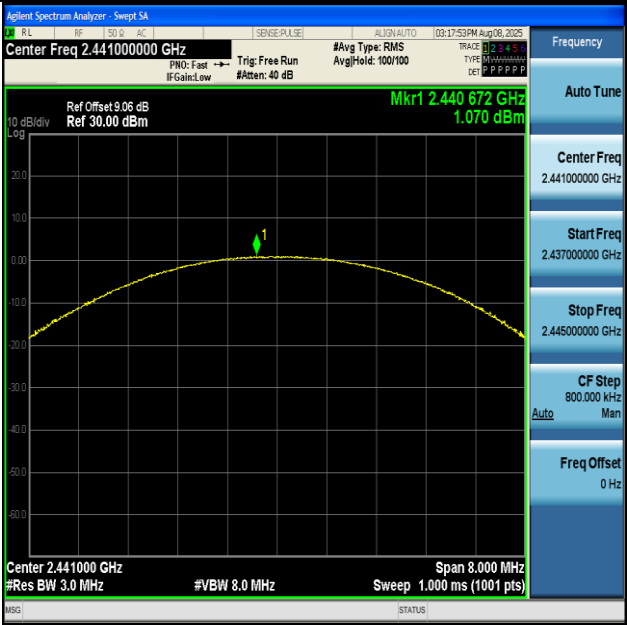




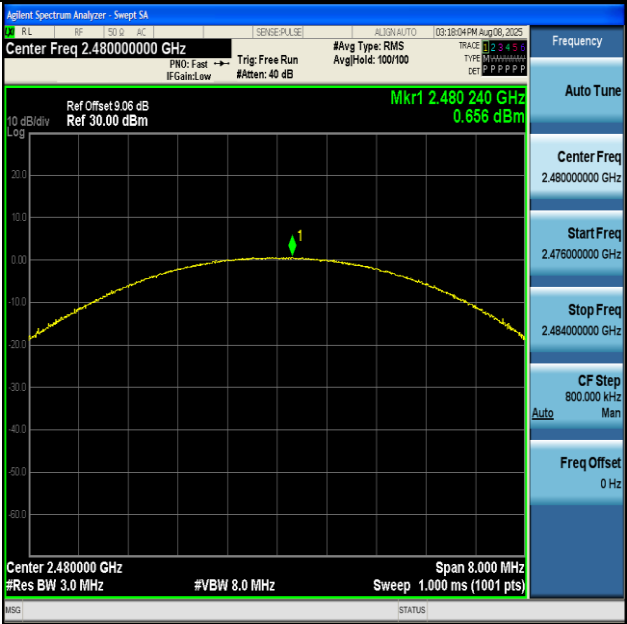
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS



2DH5-Ant1-2480-PASS

Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.996	≥ 0.957	PASS
2DH5	Ant1	Hop	0.998	≥ 0.876	PASS

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

Test Graphs



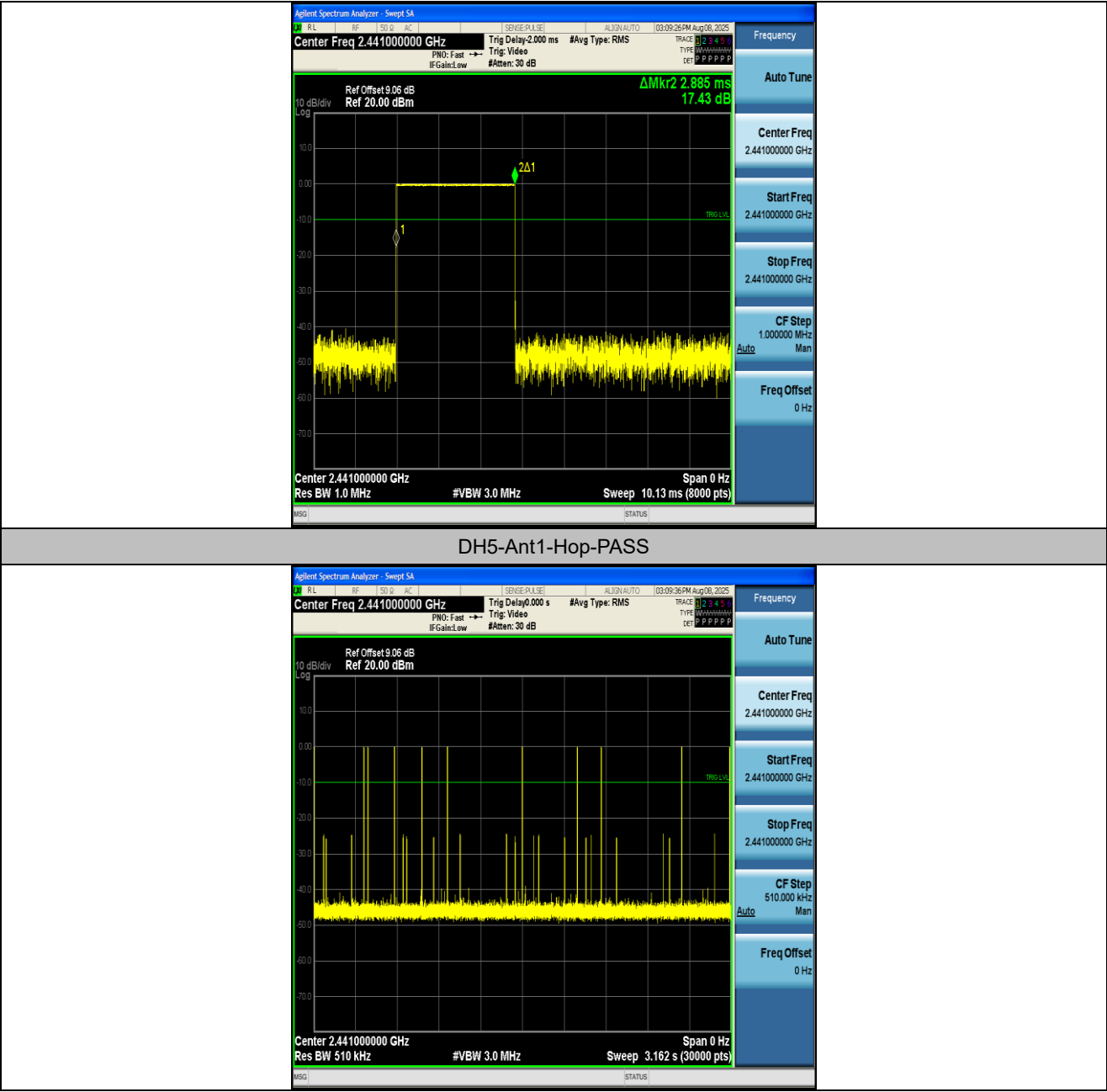
Appendix E: Time of occupancy

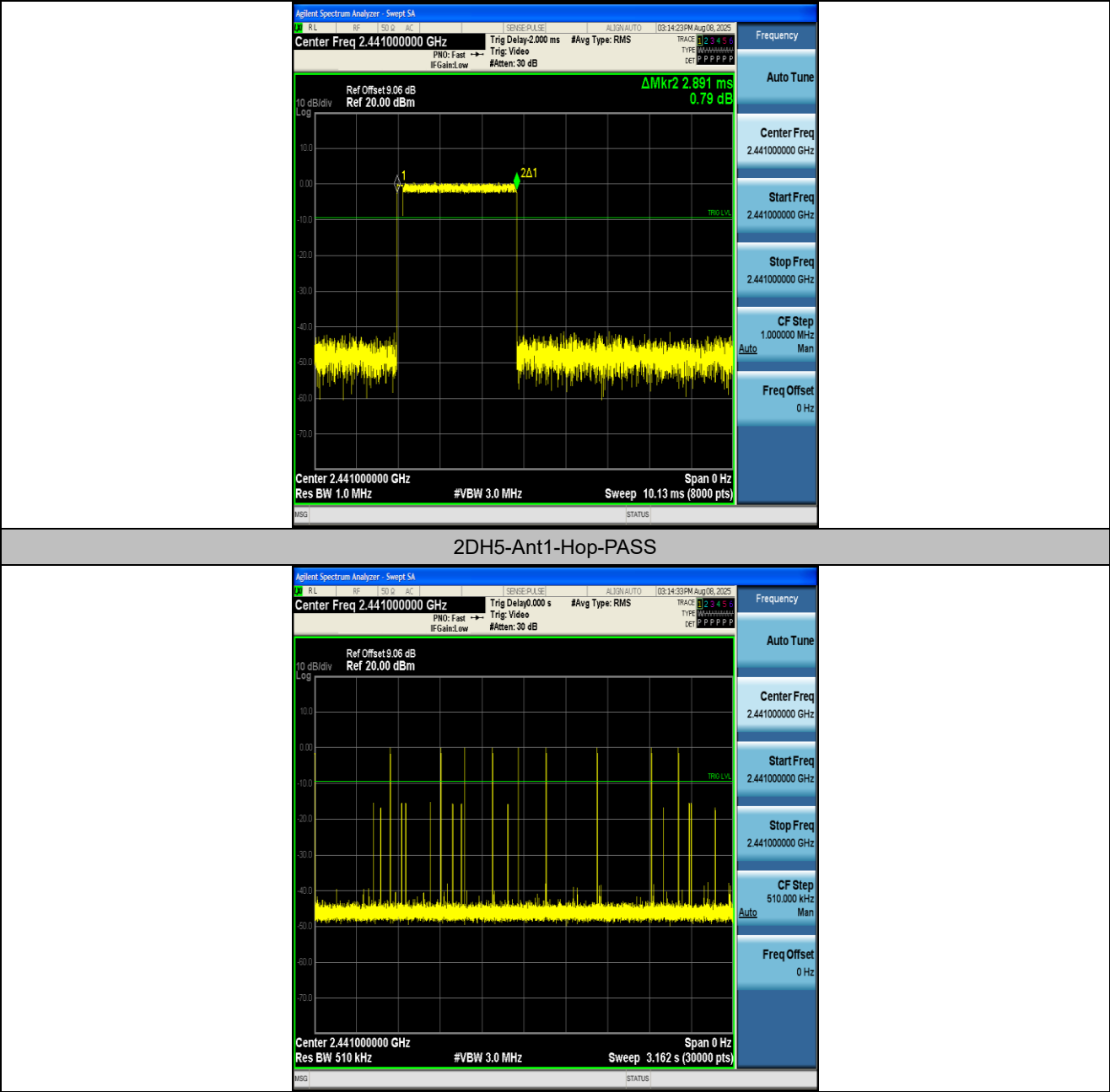
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.891	100	0.289	≤0.4	PASS

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

Test Graphs





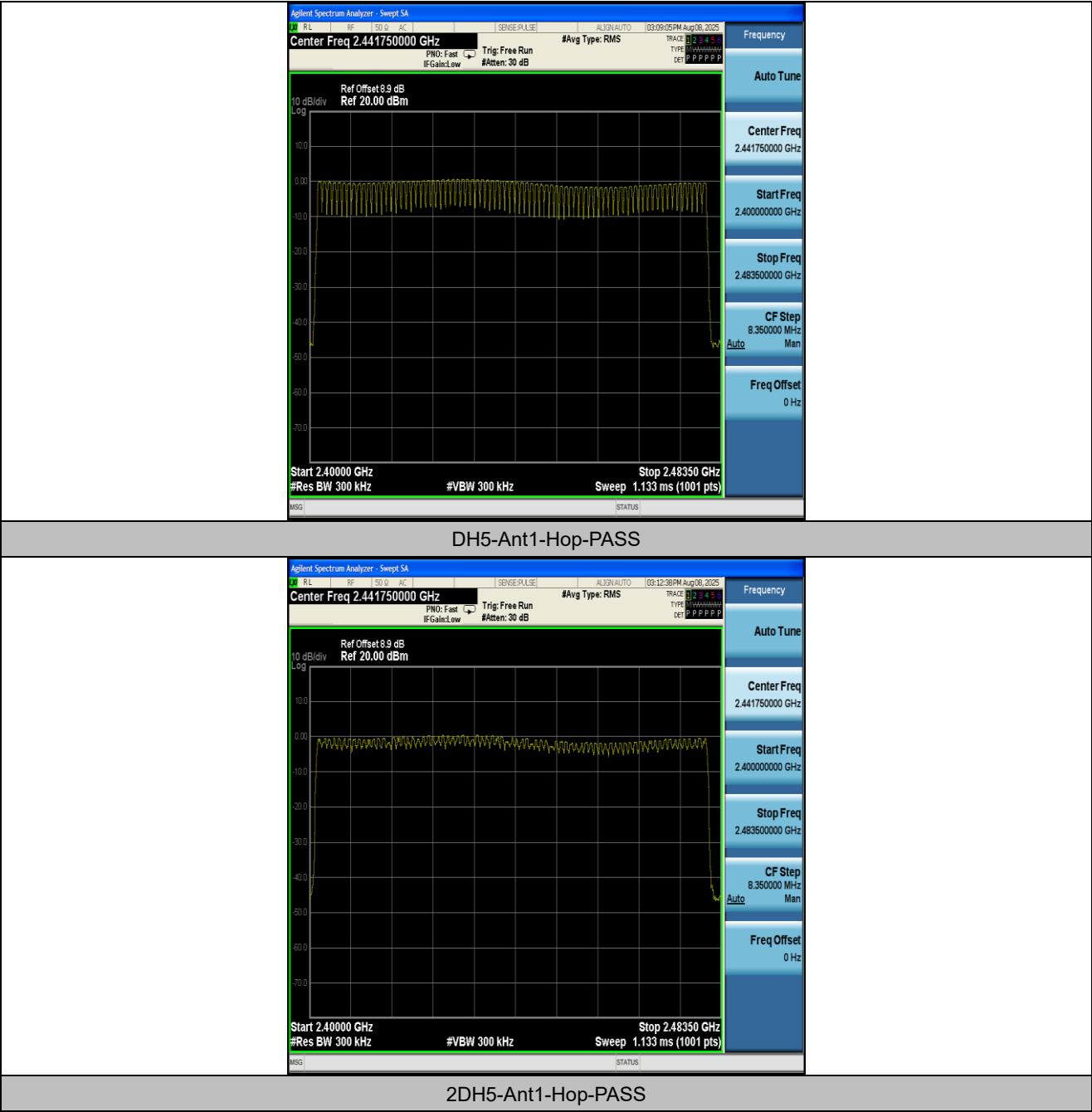
Appendix F: Number of hopping channels

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



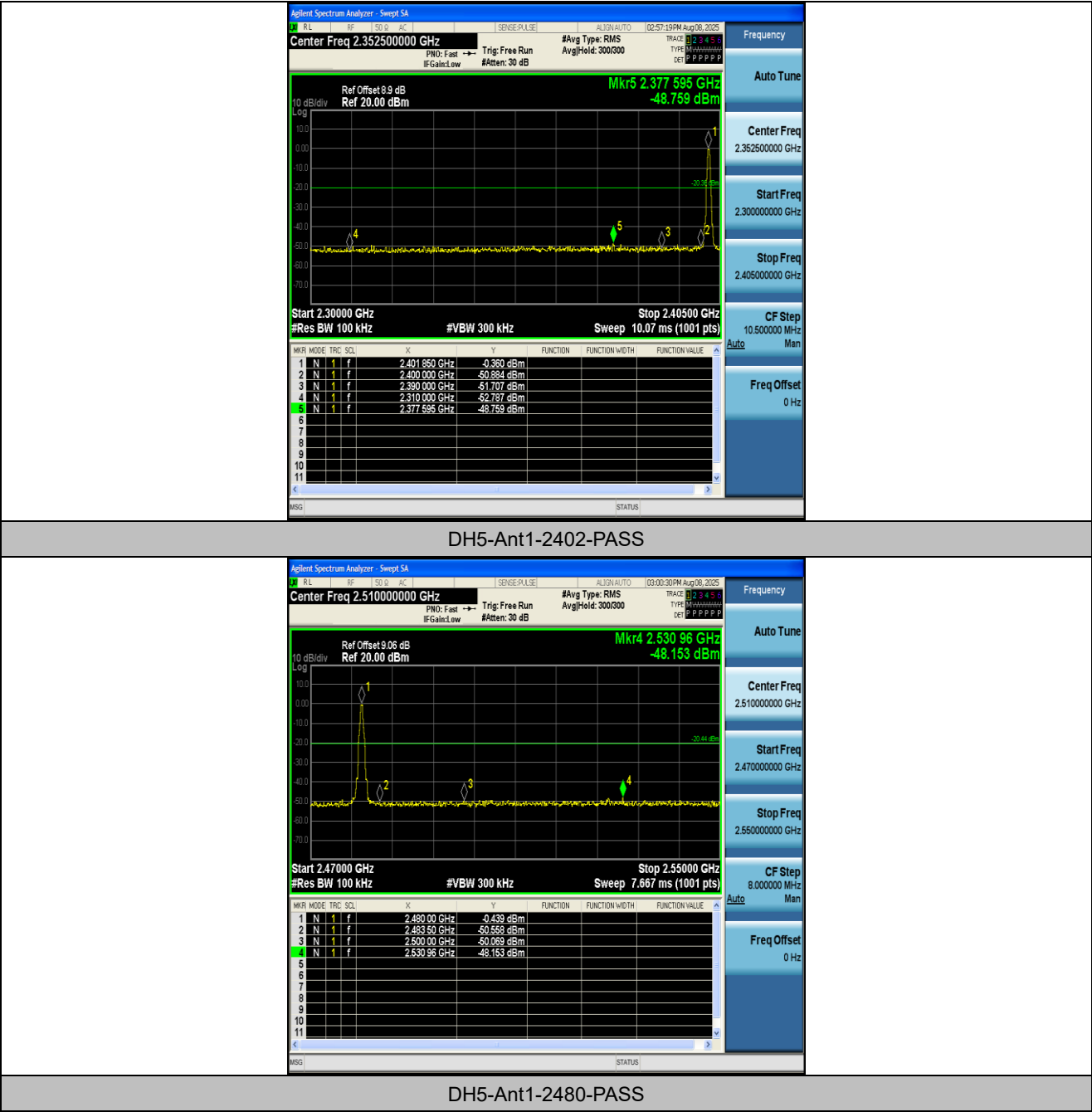
Appendix G: Band edge measurements

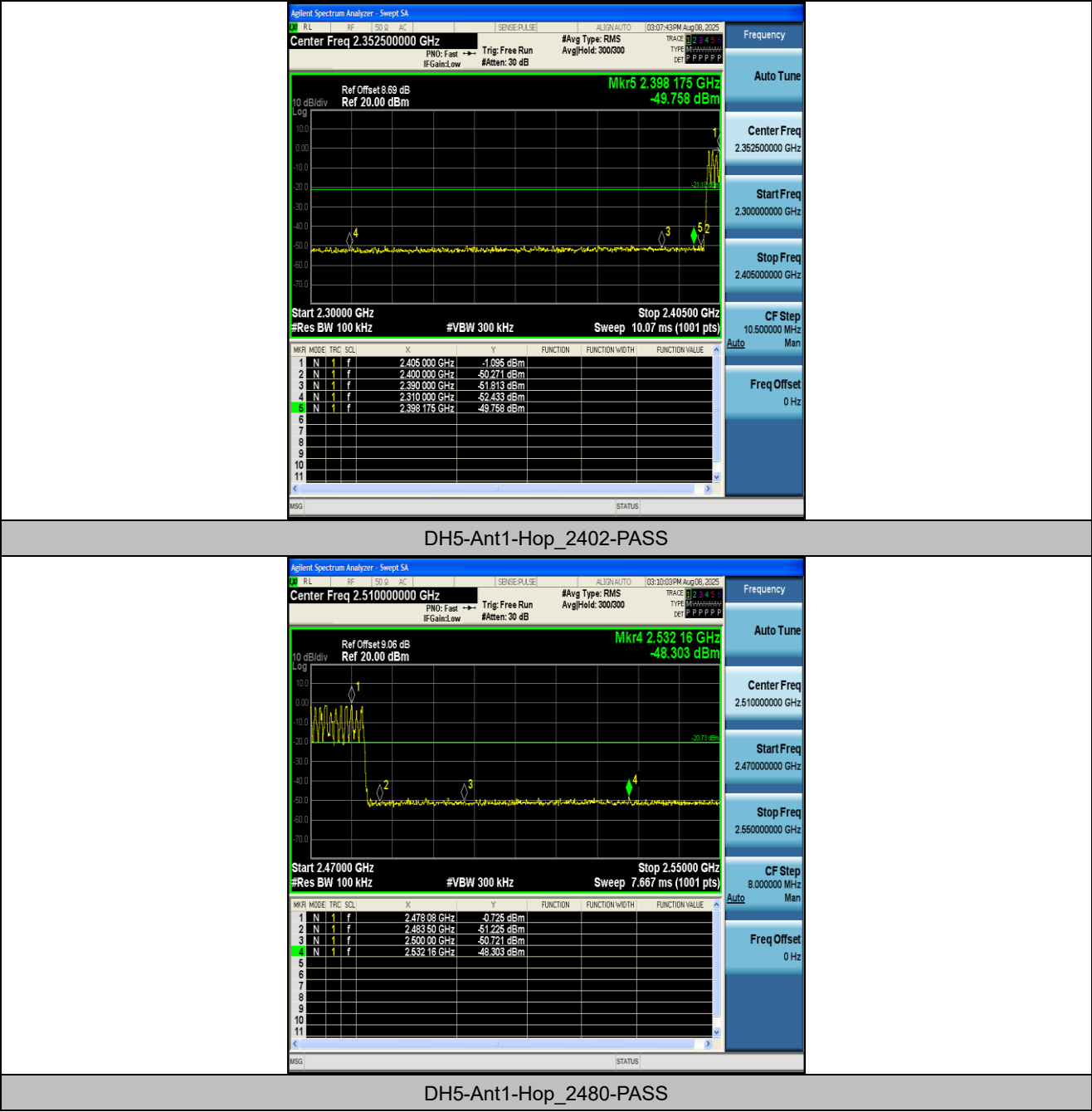
Test Result

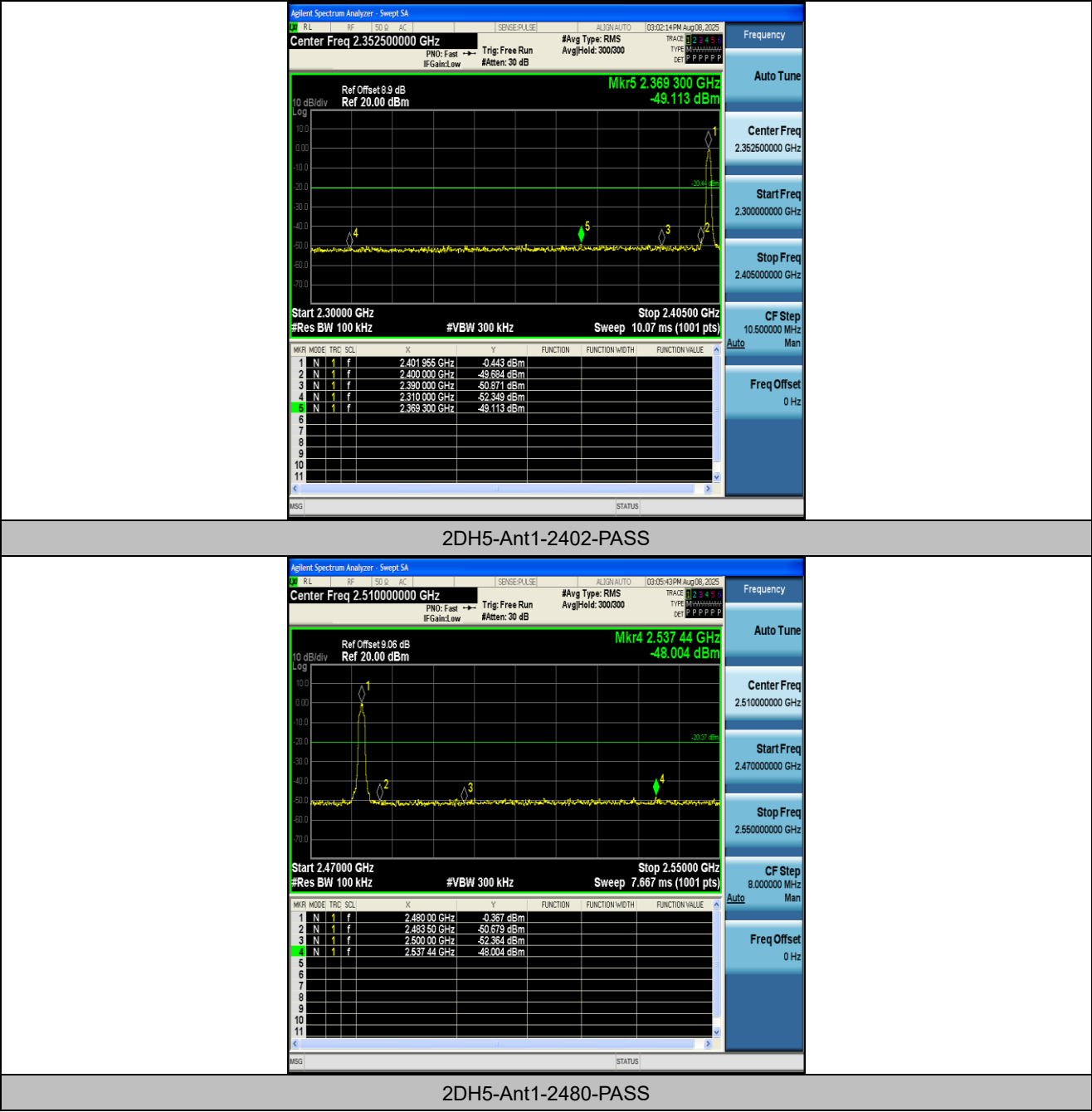
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.36	-48.76	≤-20.36	PASS
DH5	Ant1	High	2480	-0.44	-48.15	≤-20.44	PASS
DH5	Ant1	Low	Hop_2402	-1.10	-49.76	≤-21.1	PASS
DH5	Ant1	High	Hop_2480	-0.73	-48.3	≤-20.73	PASS
2DH5	Ant1	Low	2402	-0.44	-49.11	≤-20.44	PASS
2DH5	Ant1	High	2480	-0.37	-48	≤-20.37	PASS
2DH5	Ant1	Low	Hop_2402	-5.27	-49.21	≤-25.27	PASS
2DH5	Ant1	High	Hop_2480	-2.15	-48.46	≤-22.15	PASS

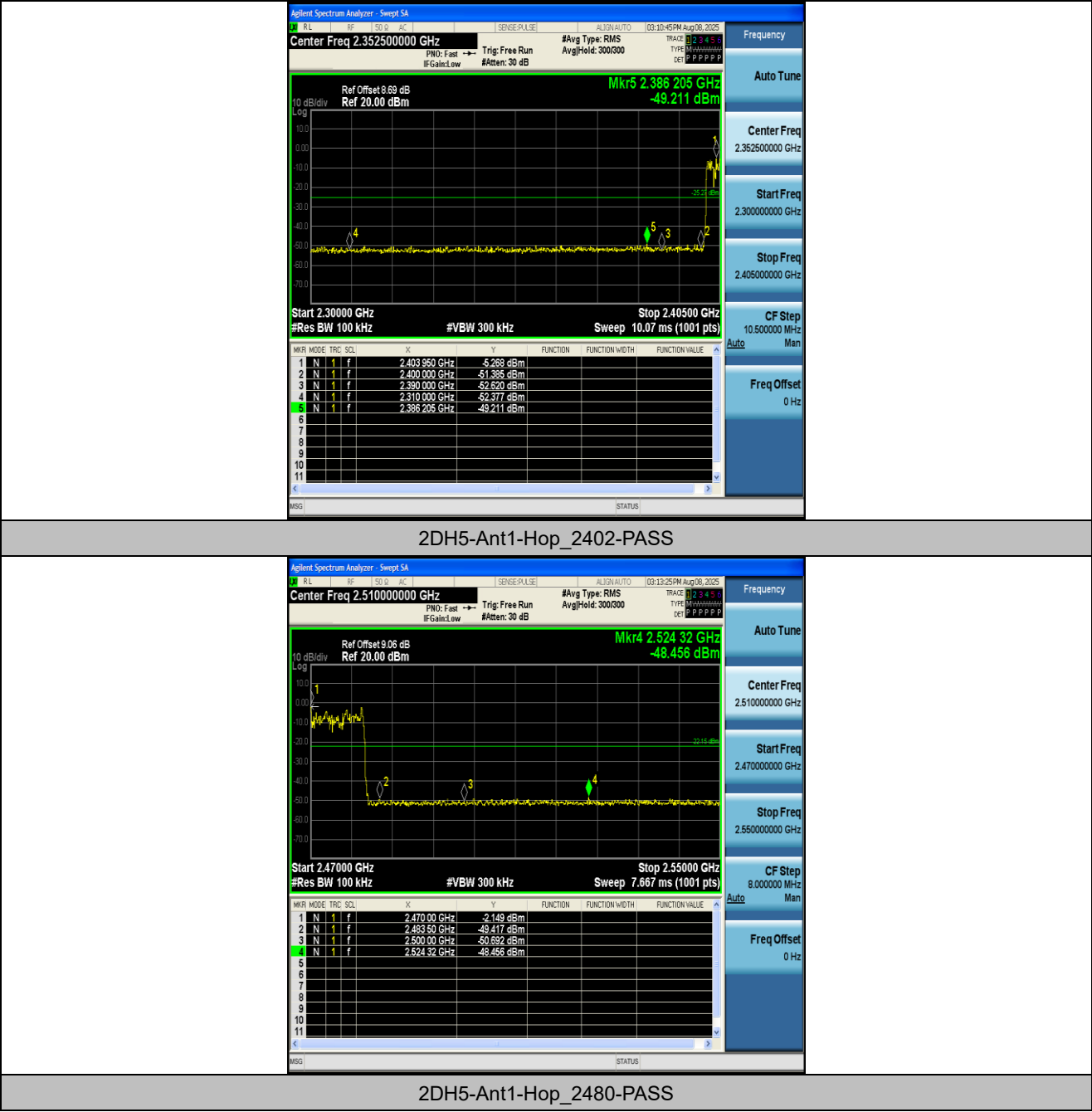
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs









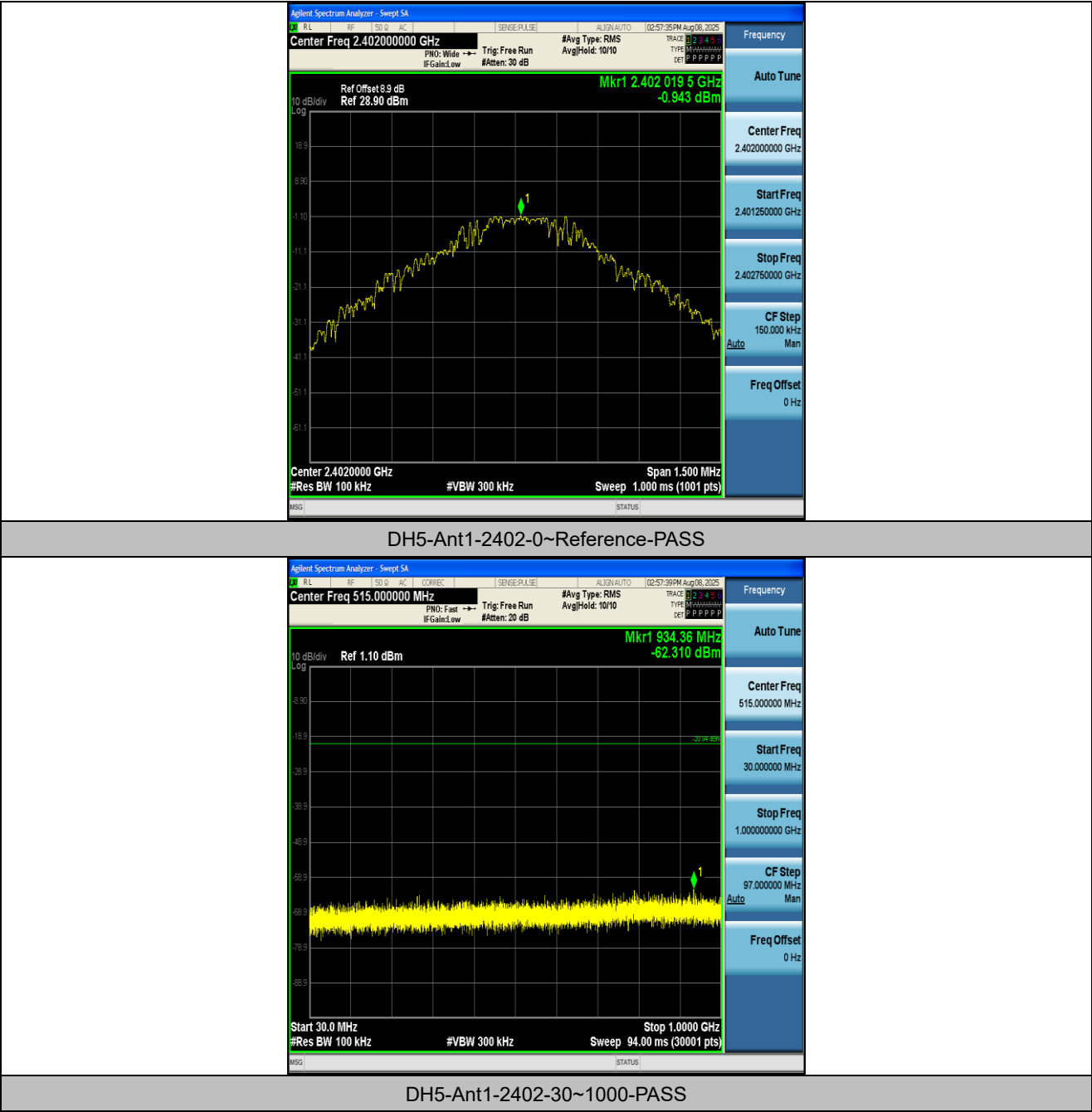
Appendix H: Conducted Spurious Emission

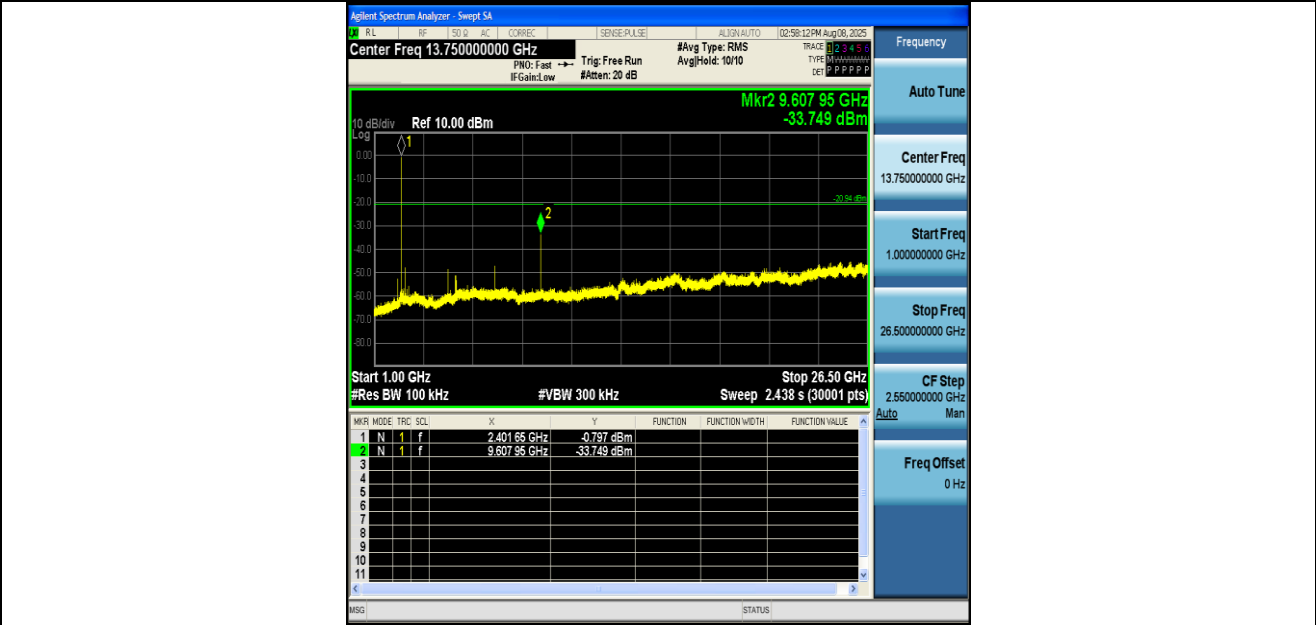
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.94	-0.94	---	PASS
DH5	Ant1	2402	30~1000	-0.94	-62.31	≤-20.94	PASS
DH5	Ant1	2402	1000~26500	-0.94	-33.75	≤-20.94	PASS
DH5	Ant1	2441	0~Reference	-0.94	-0.94	---	PASS
DH5	Ant1	2441	30~1000	-0.94	-61.73	≤-20.94	PASS
DH5	Ant1	2441	1000~26500	-0.94	-33.34	≤-20.94	PASS
DH5	Ant1	2480	0~Reference	-1.26	-1.26	---	PASS
DH5	Ant1	2480	30~1000	-1.26	-63.36	≤-21.26	PASS
DH5	Ant1	2480	1000~26500	-1.26	-35.05	≤-21.26	PASS
2DH5	Ant1	2402	0~Reference	-3.49	-3.49	---	PASS
2DH5	Ant1	2402	30~1000	-3.49	-62.83	≤-23.49	PASS
2DH5	Ant1	2402	1000~26500	-3.49	-33.53	≤-23.49	PASS
2DH5	Ant1	2441	0~Reference	-0.36	-0.36	---	PASS
2DH5	Ant1	2441	30~1000	-0.36	-61.55	≤-20.36	PASS
2DH5	Ant1	2441	1000~26500	-0.36	-33.33	≤-20.36	PASS
2DH5	Ant1	2480	0~Reference	-3.09	-3.09	---	PASS
2DH5	Ant1	2480	30~1000	-3.09	-62.39	≤-23.09	PASS
2DH5	Ant1	2480	1000~26500	-3.09	-34.92	≤-23.09	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

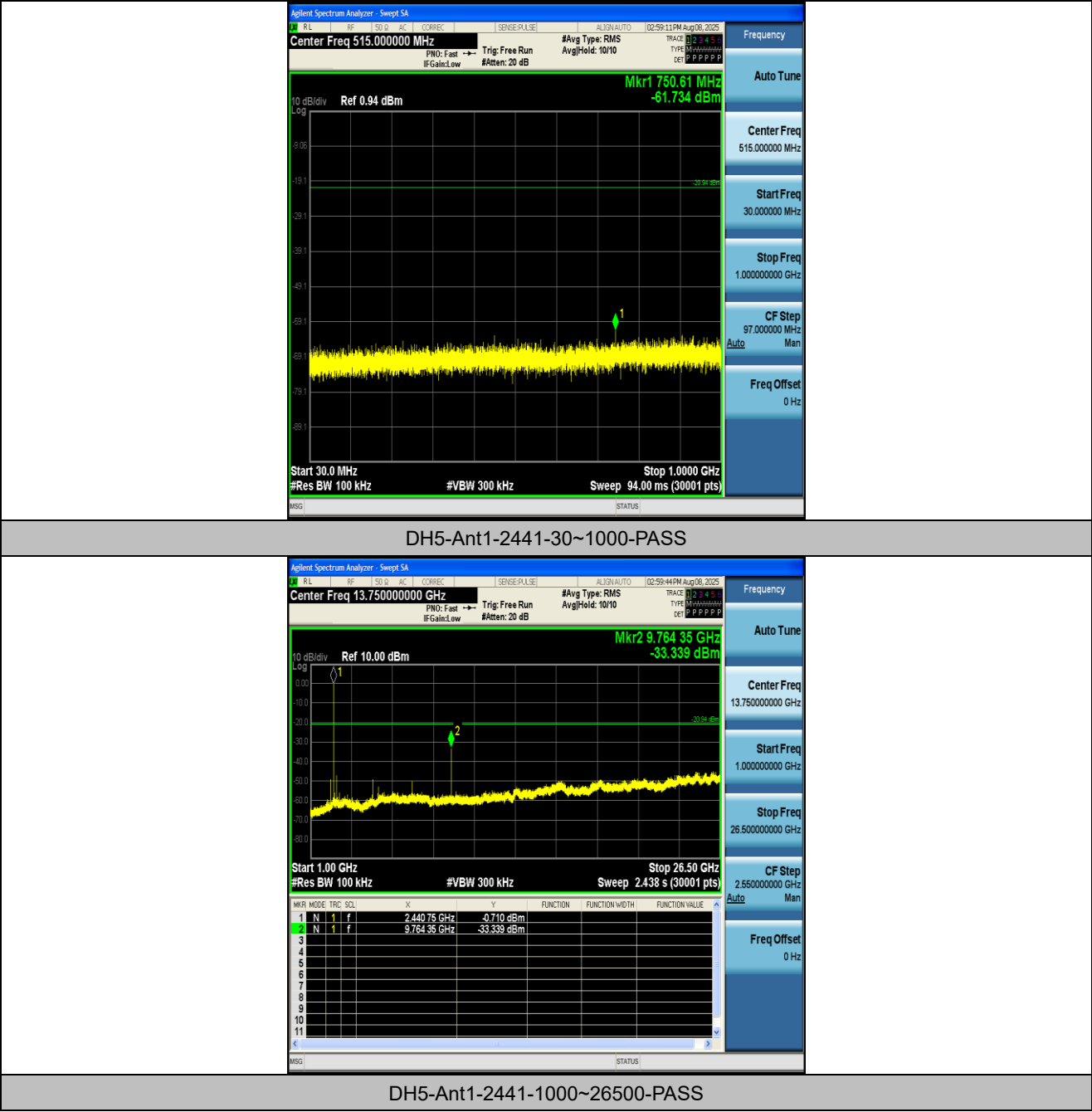


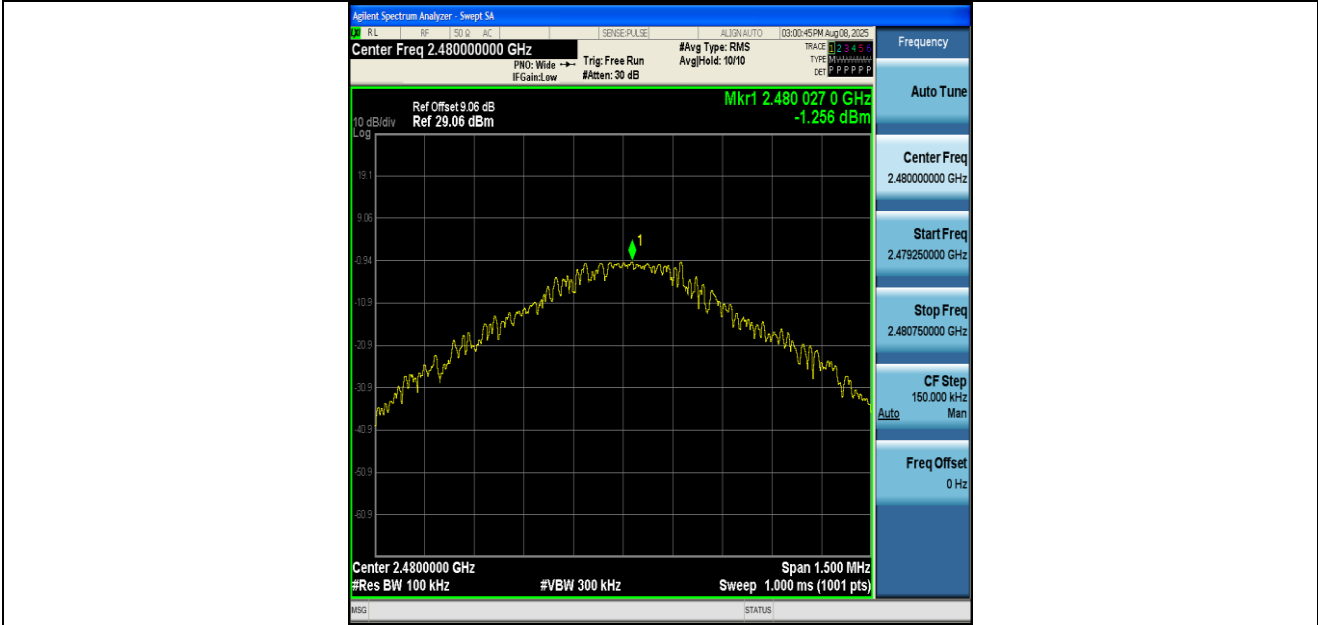


DH5-Ant1-2402-1000~26500-PASS



DH5-Ant1-2441-0~Reference-PASS

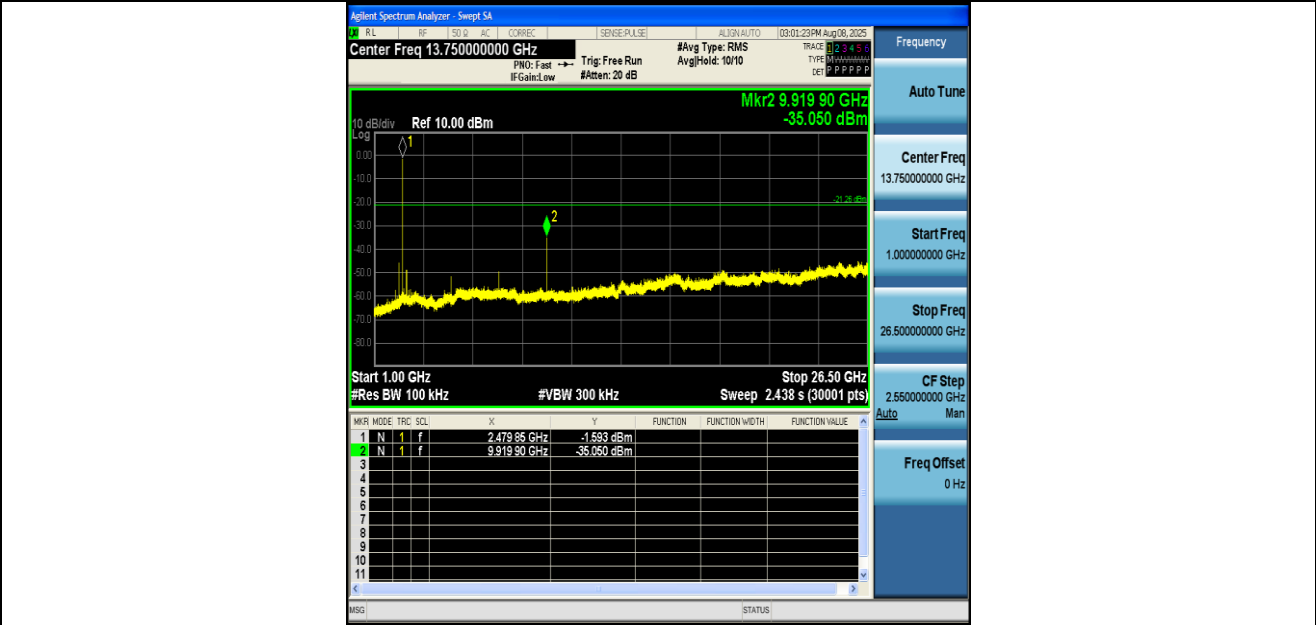




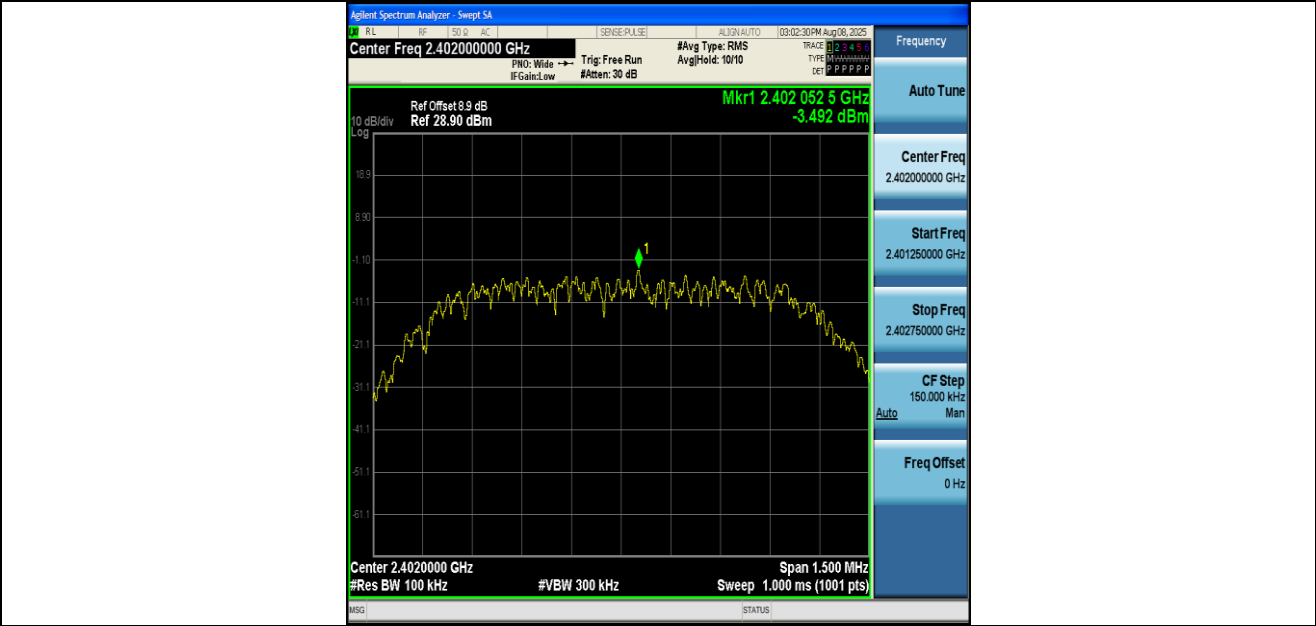
DH5-Ant1-2480-0~Reference-PASS



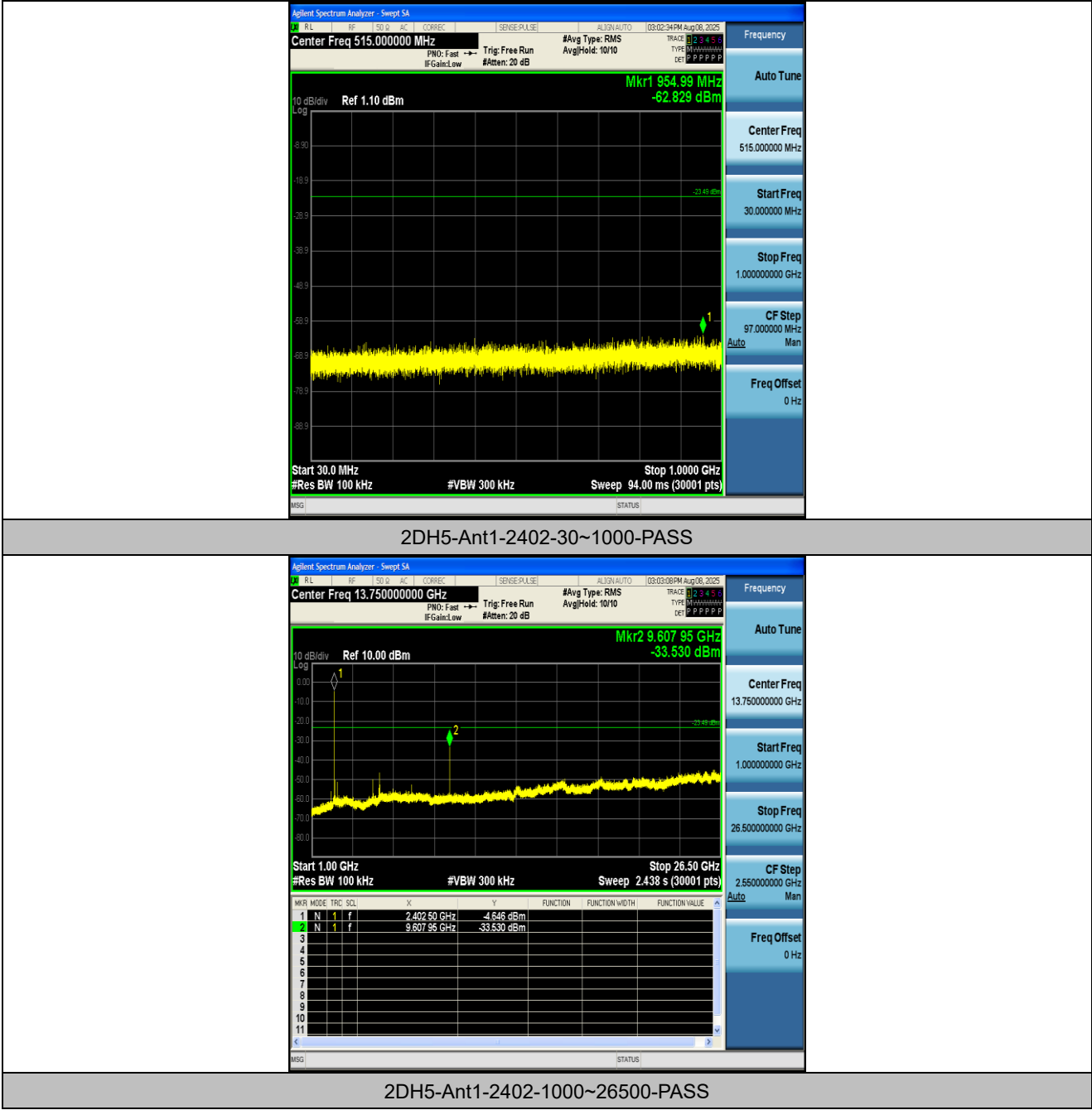
DH5-Ant1-2480-30~1000-PASS

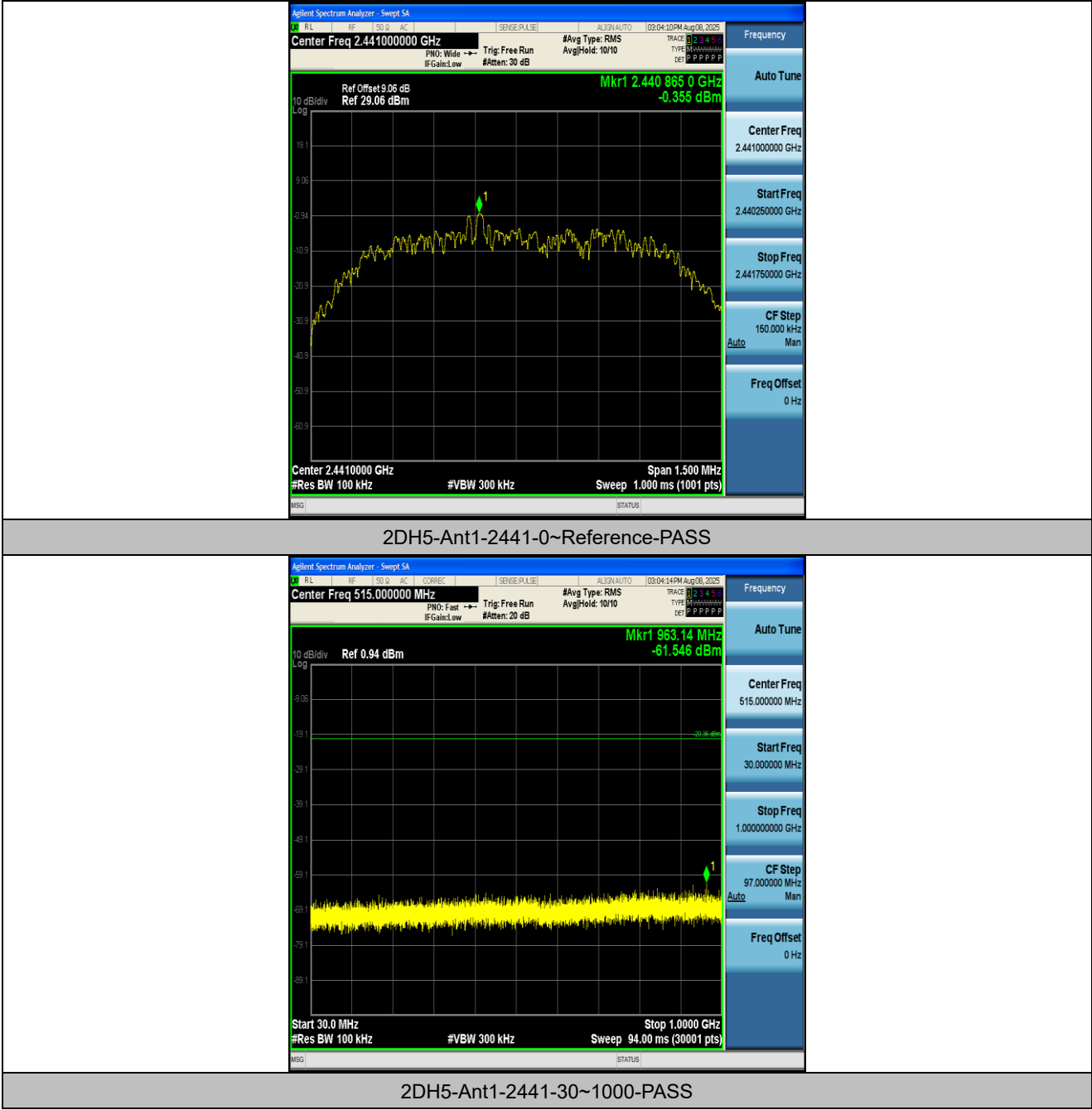


DH5-Ant1-2480-1000~26500-PASS

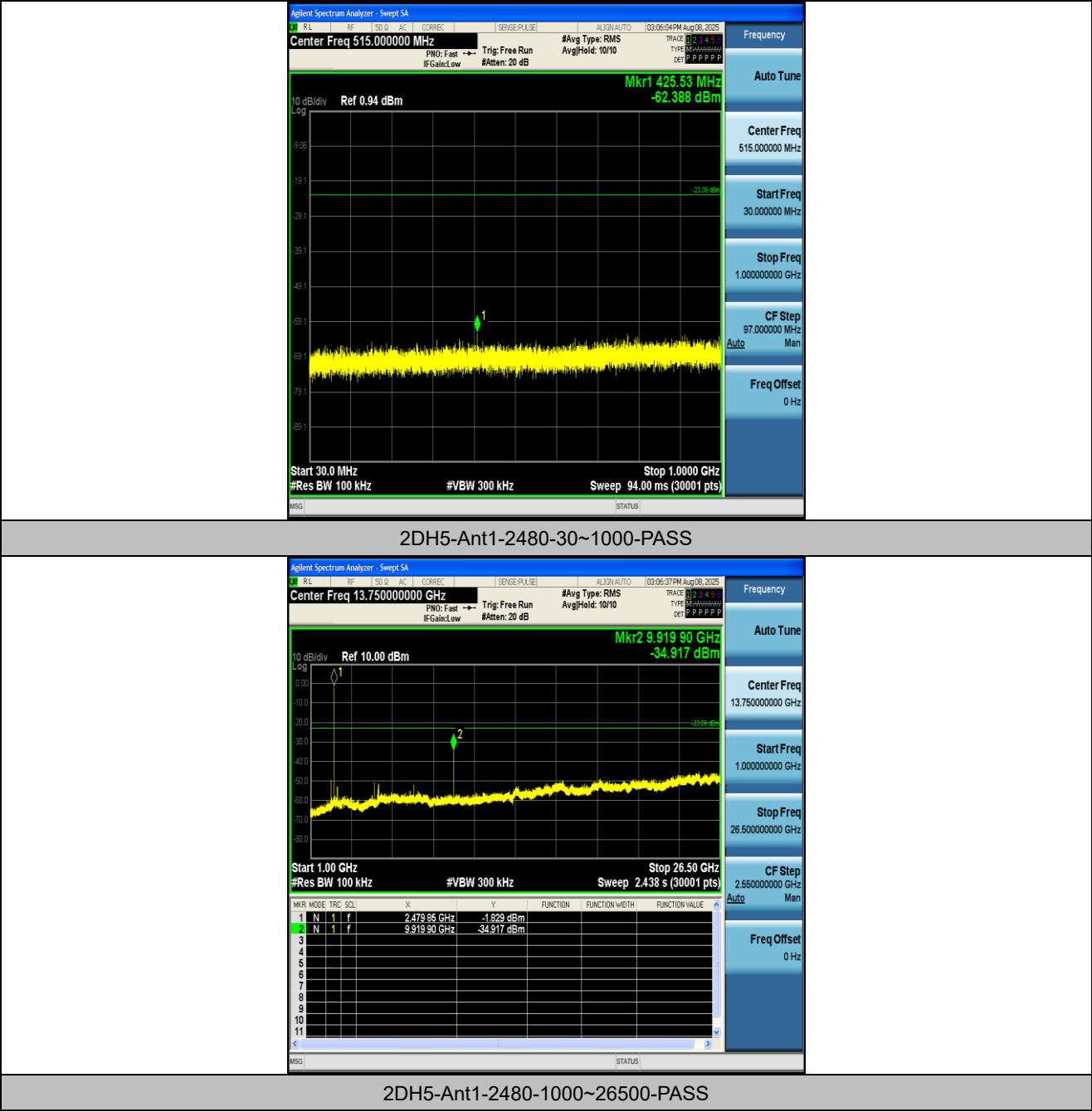


2DH5-Ant1-2402-0~Reference-PASS









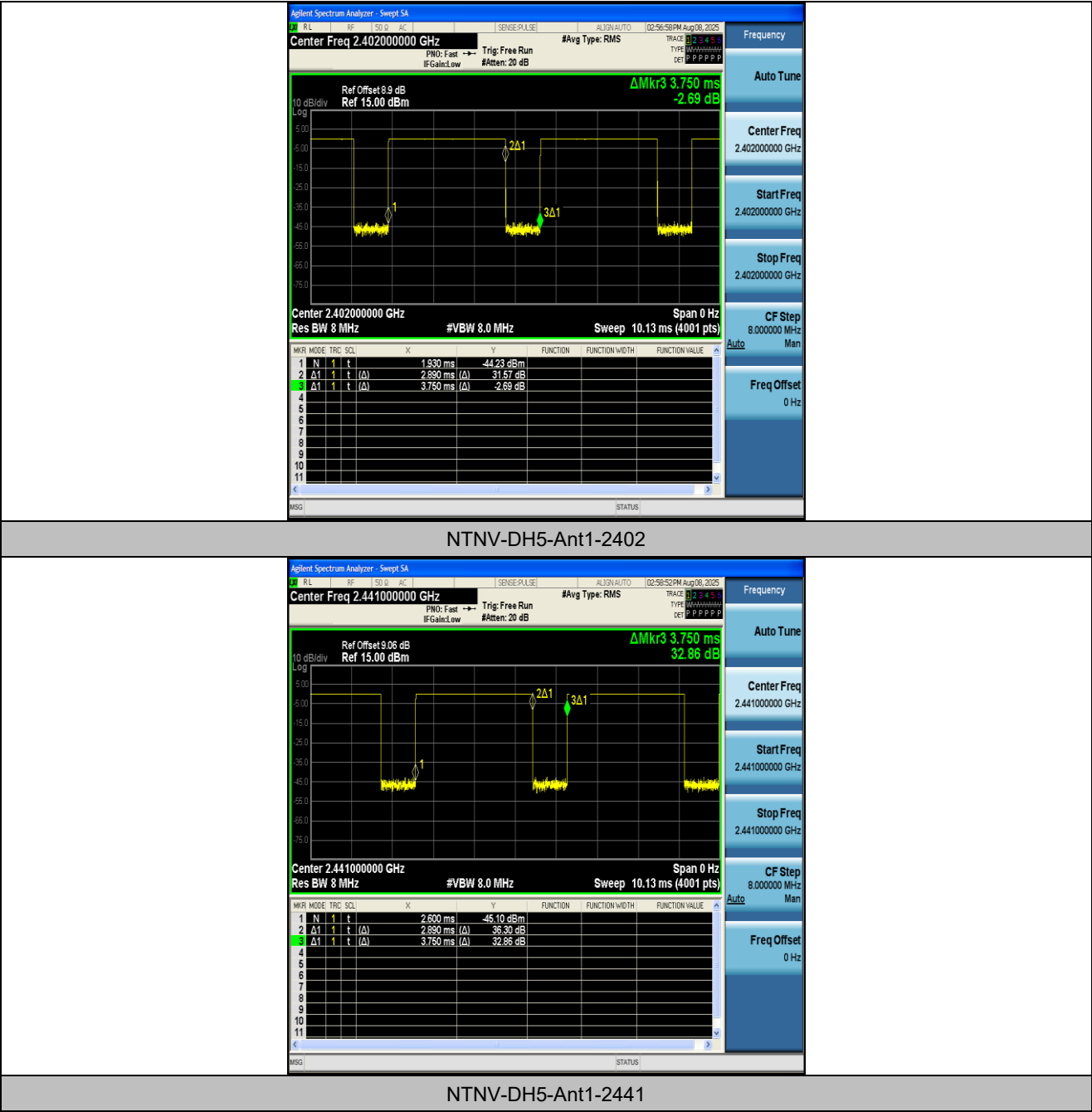
Appendix I: Duty Cycle

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	2.89	3.75	77.07	1.13

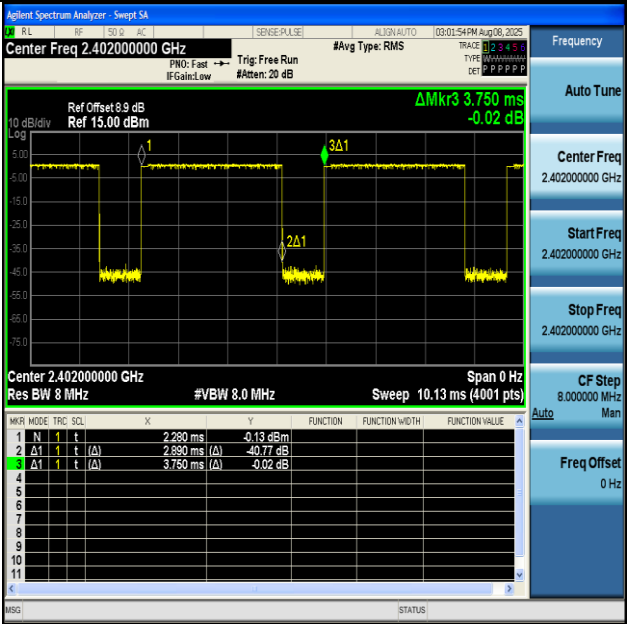
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

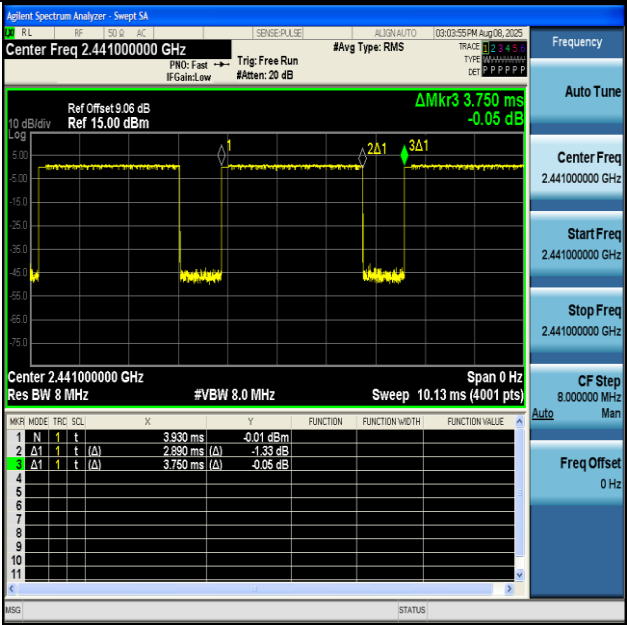




NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480