

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

Product Name: Wireless Headphone

Trade Mark: Reebok

Test Model: RBKHP

FCC ID: 2AL9B-RBKHP

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

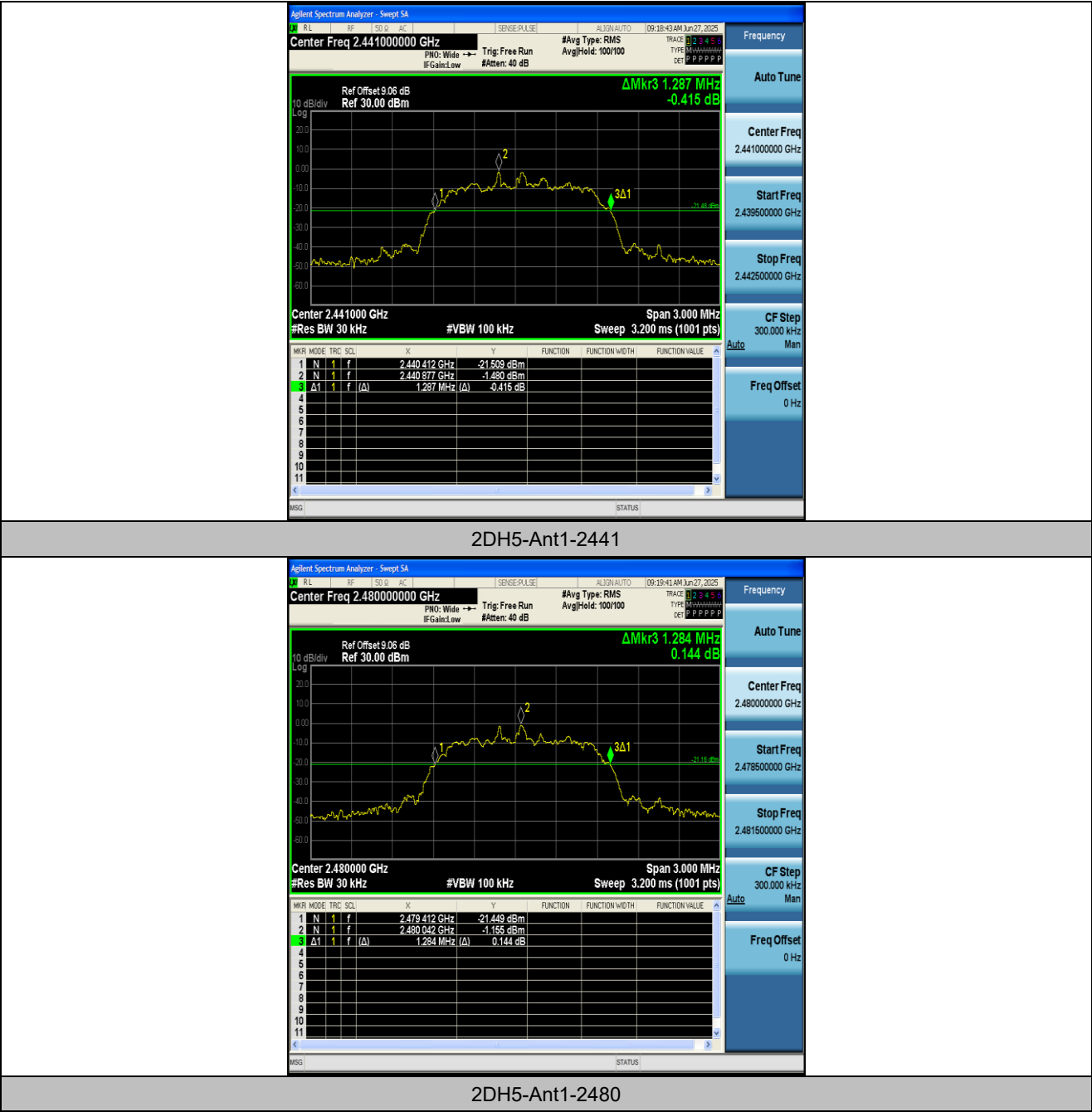
Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.966	2401.568	2402.534	---	---
DH5	Ant1	2441	0.957	2440.580	2441.537	---	---
DH5	Ant1	2480	0.963	2479.577	2480.540	---	---
2DH5	Ant1	2402	1.308	2401.388	2402.696	---	---
2DH5	Ant1	2441	1.287	2440.412	2441.699	---	---
2DH5	Ant1	2480	1.284	2479.412	2480.696	---	---

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

Test Graphs







Appendix B: Occupied Channel Bandwidth

Test Result

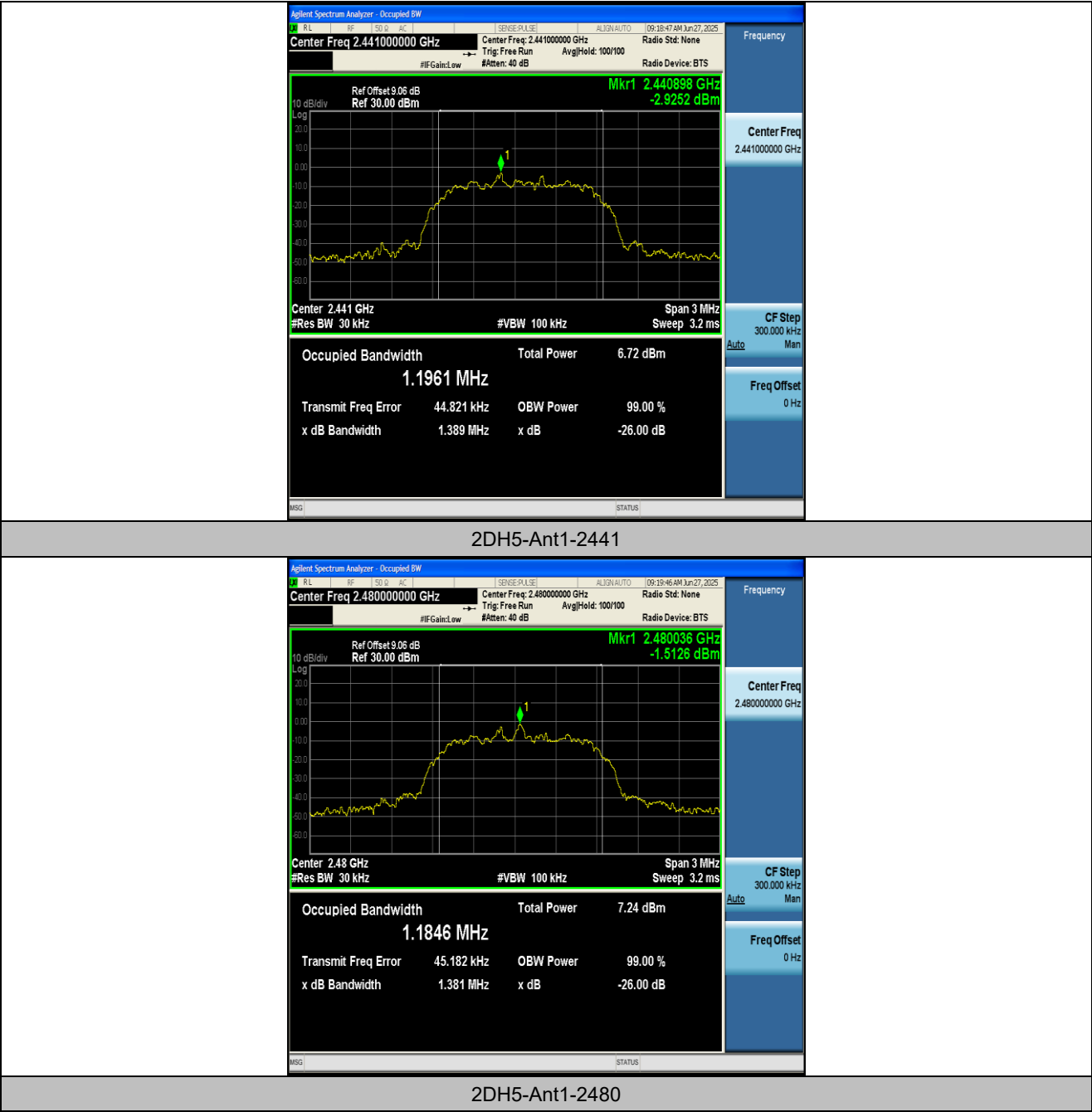
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.87870	2401.6090	2402.4877	---	---
DH5	Ant1	2441	0.86831	2440.6104	2441.4788	---	---
DH5	Ant1	2480	0.88224	2479.6111	2480.4934	---	---
2DH5	Ant1	2402	1.1888	2401.4482	2402.6370	---	---
2DH5	Ant1	2441	1.1961	2440.4468	2441.6429	---	---
2DH5	Ant1	2480	1.1846	2479.4529	2480.6375	---	---

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

Test Graphs







2DH5-Ant1-2480

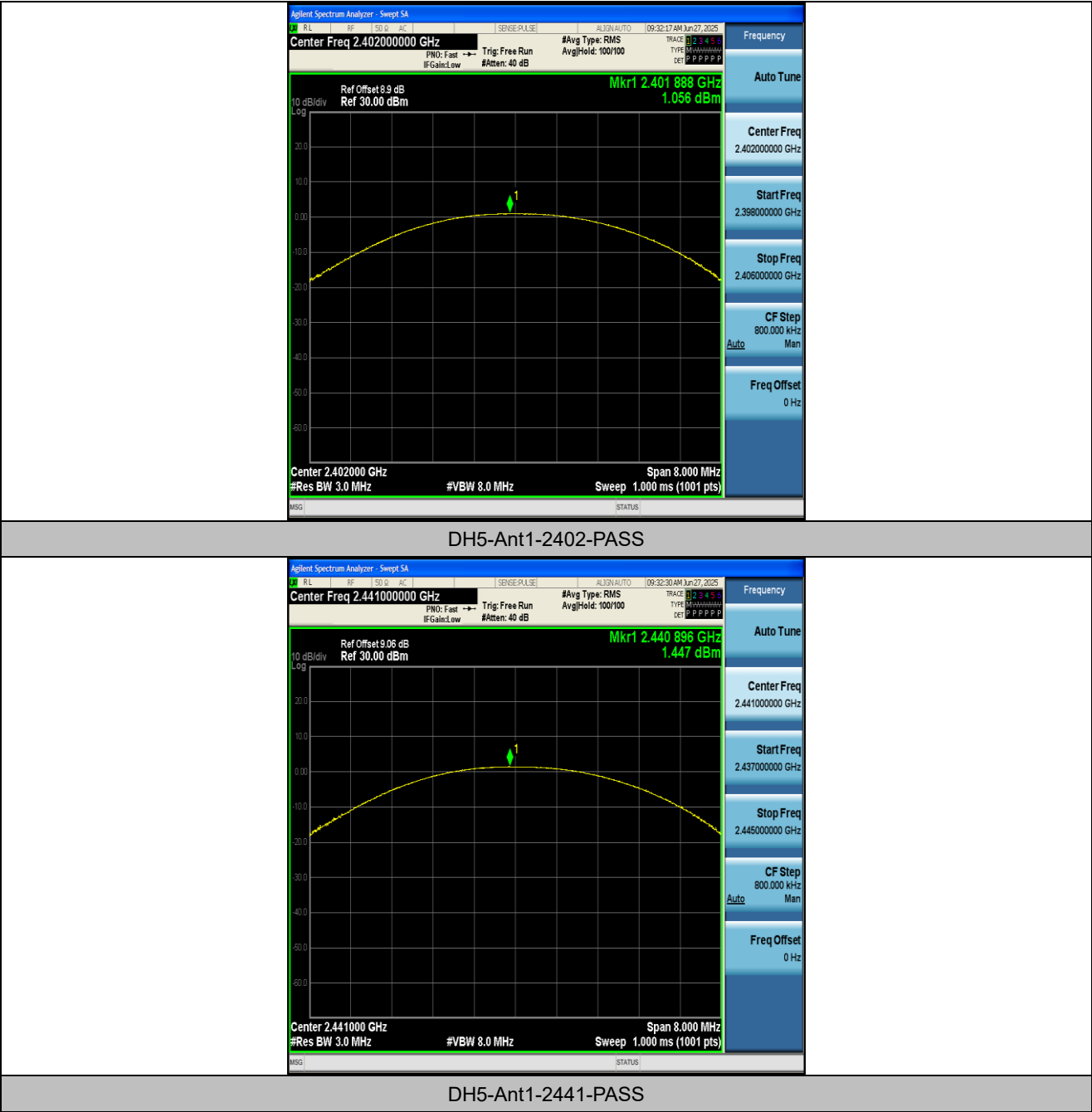
Appendix C: Maximum peak conducted output power

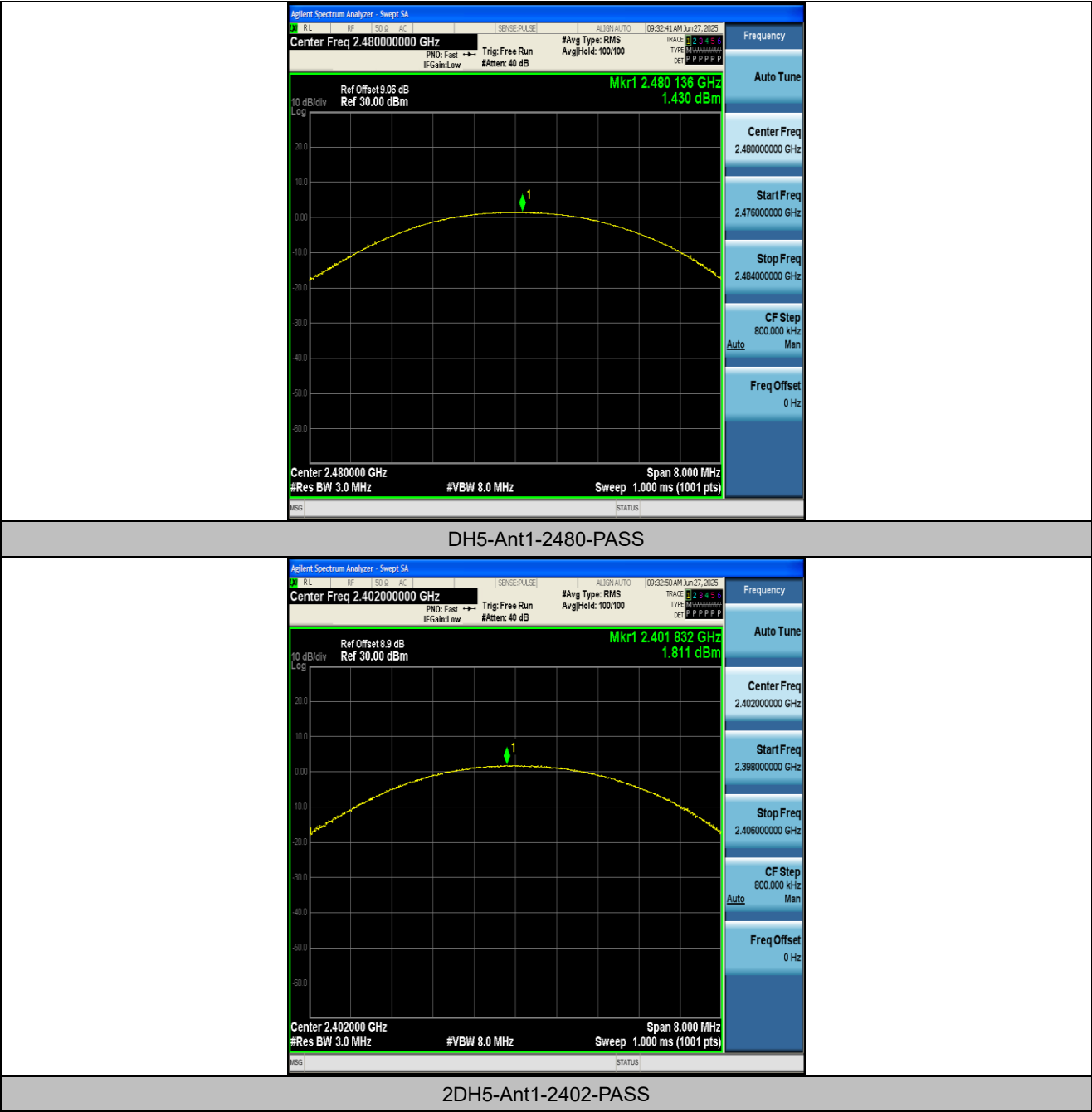
Test Result

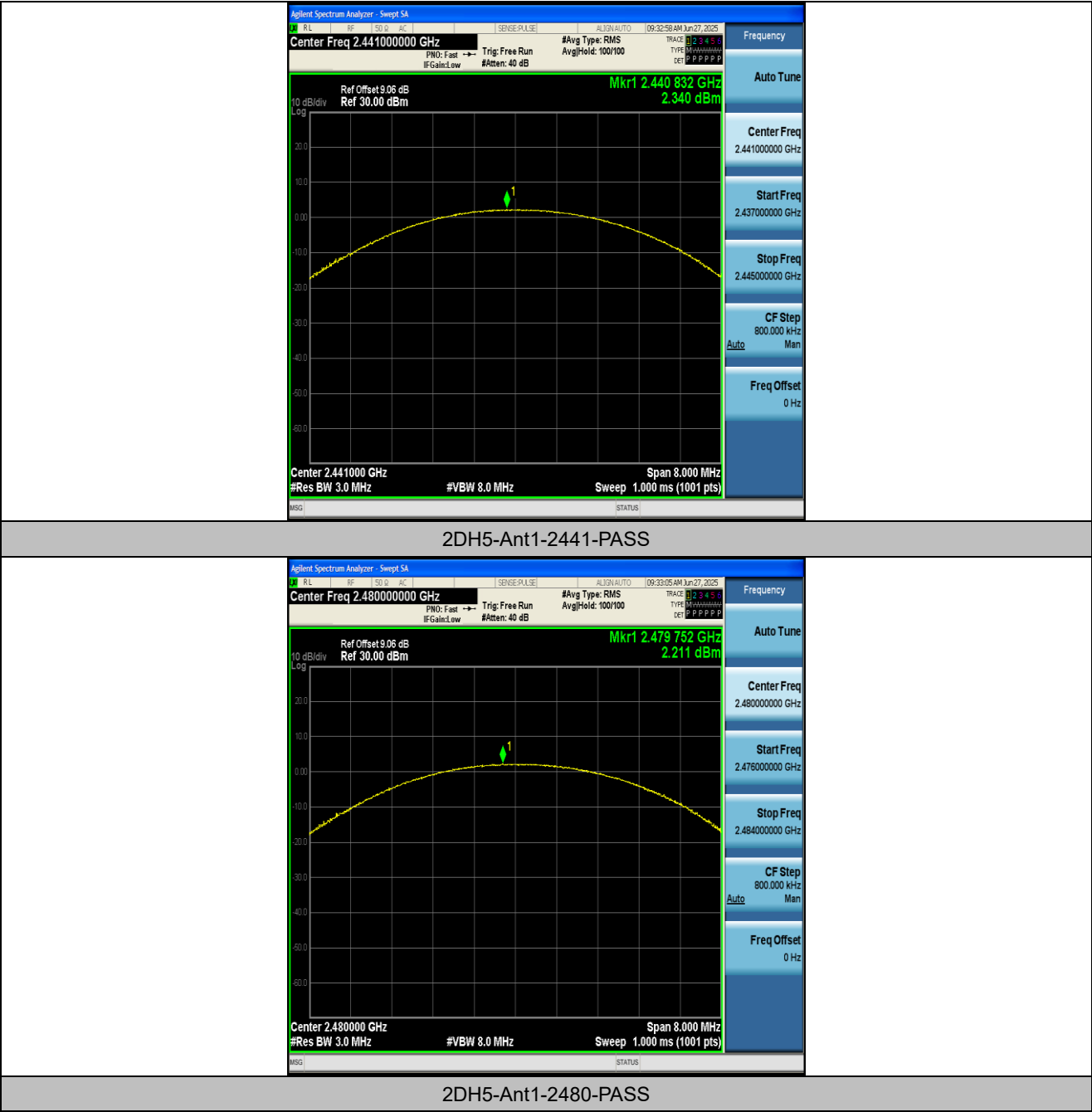
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	1.06	≤30	PASS
DH5	Ant1	2441	1.45	≤30	PASS
DH5	Ant1	2480	1.43	≤30	PASS
2DH5	Ant1	2402	1.81	≤20.97	PASS
2DH5	Ant1	2441	2.34	≤20.97	PASS
2DH5	Ant1	2480	2.21	≤20.97	PASS

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

Test Graphs







Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.966	PASS
2DH5	Ant1	Hop	1.036	≥ 0.872	PASS

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

Test Graphs



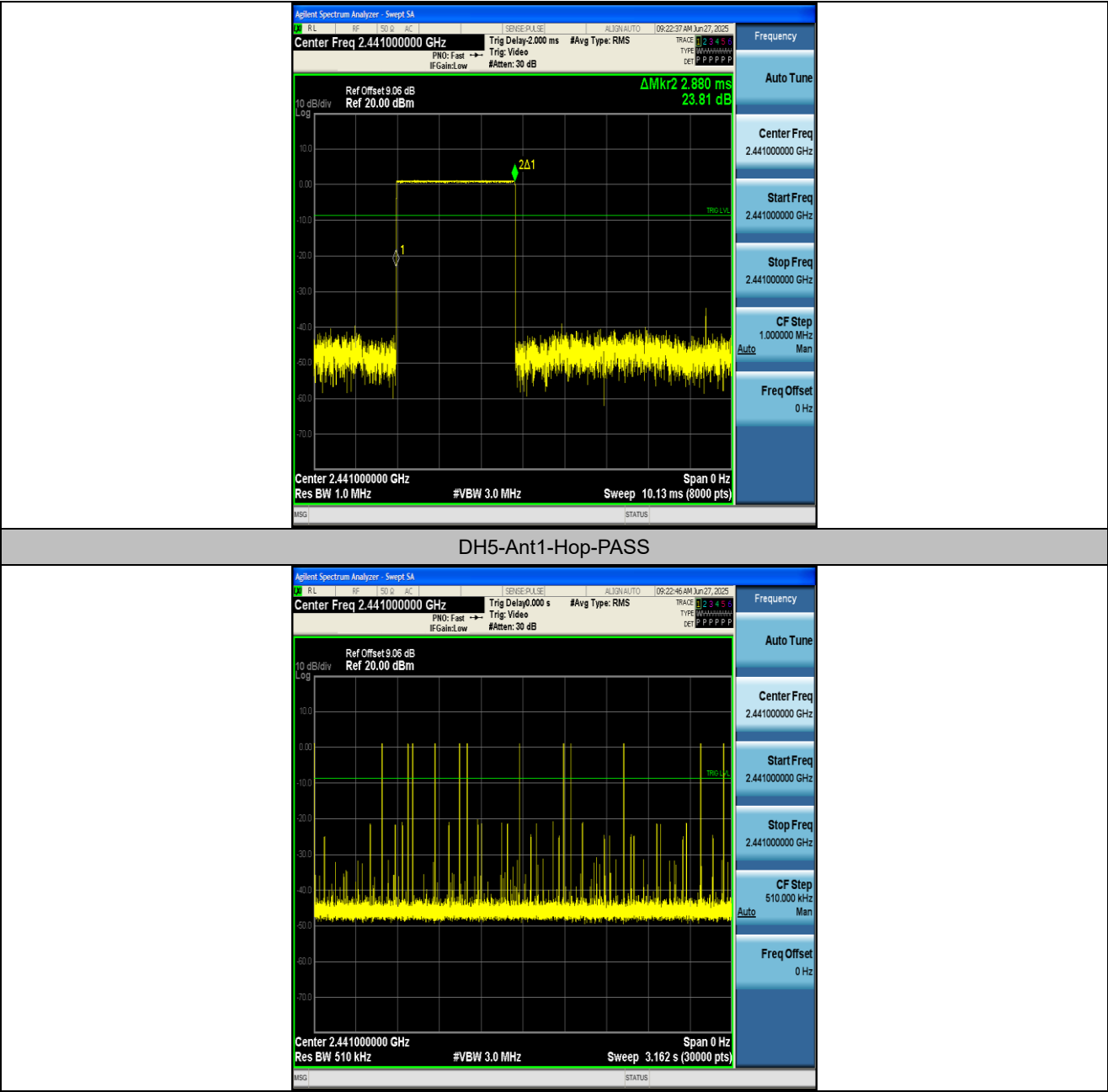
Appendix E: Time of occupancy

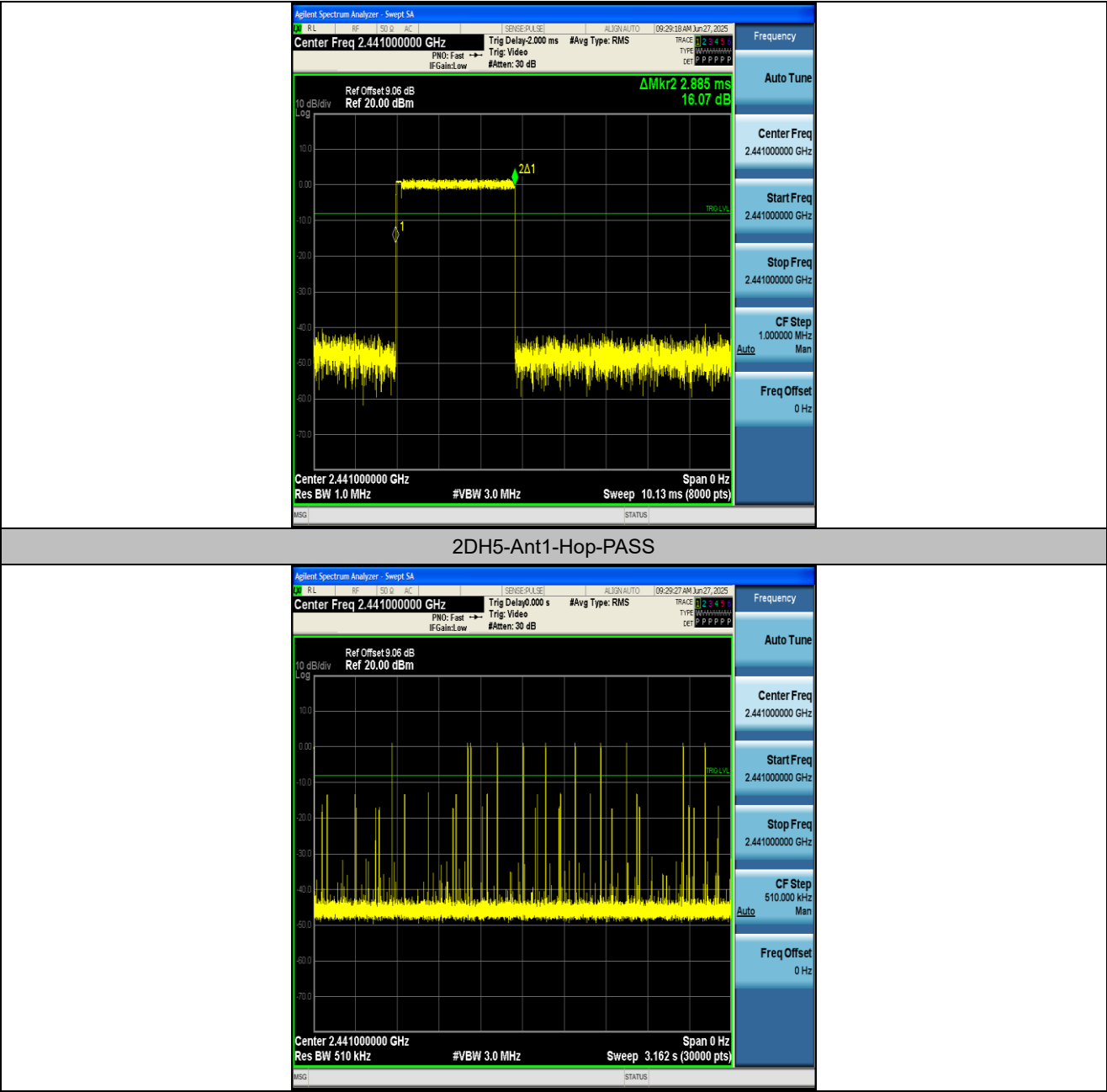
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.880	130	0.374	≤0.4	PASS
2DH5	Ant1	Hop	2.885	120	0.346	≤0.4	PASS

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

Test Graphs





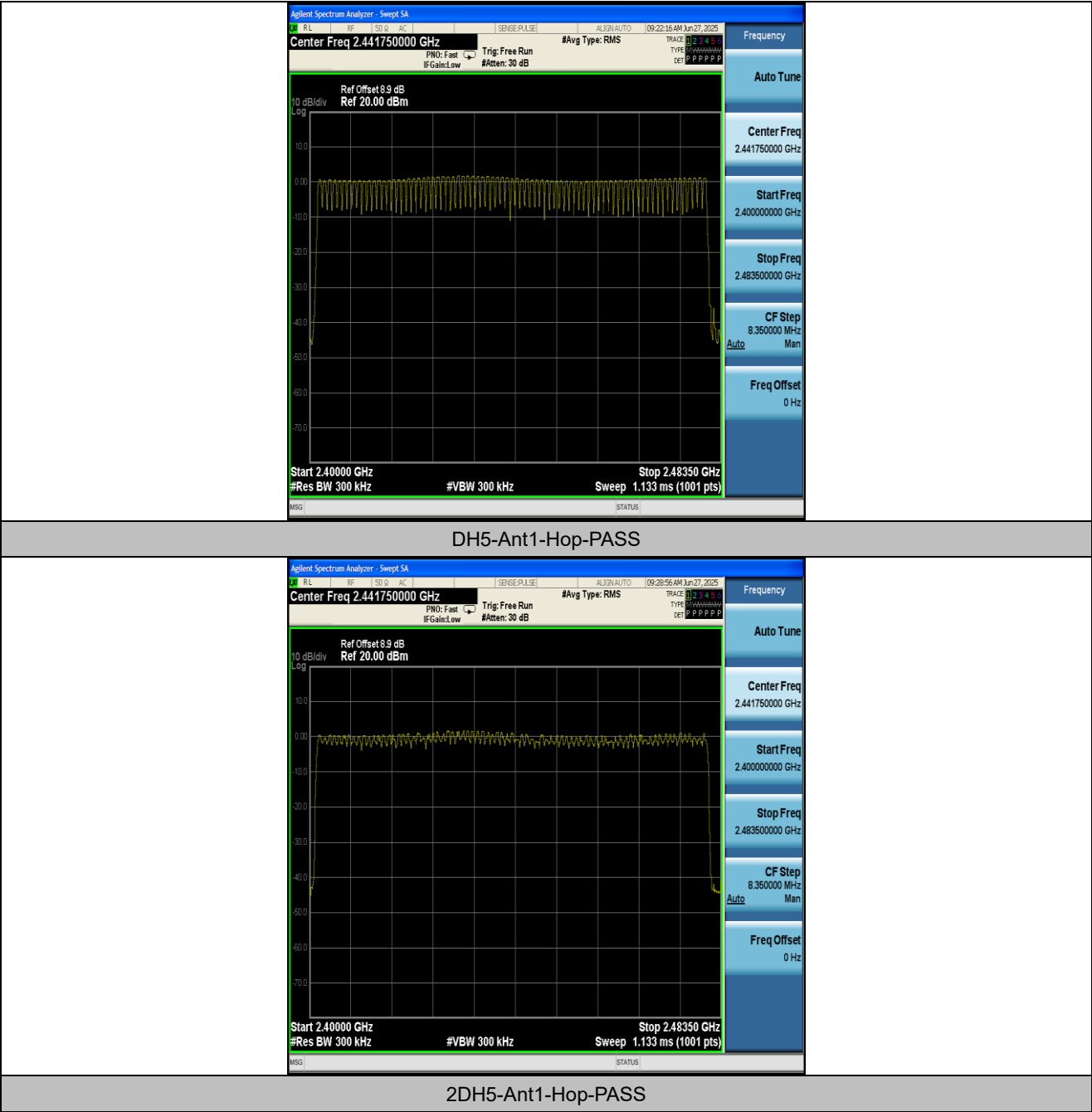
Appendix F: Number of hopping channels

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



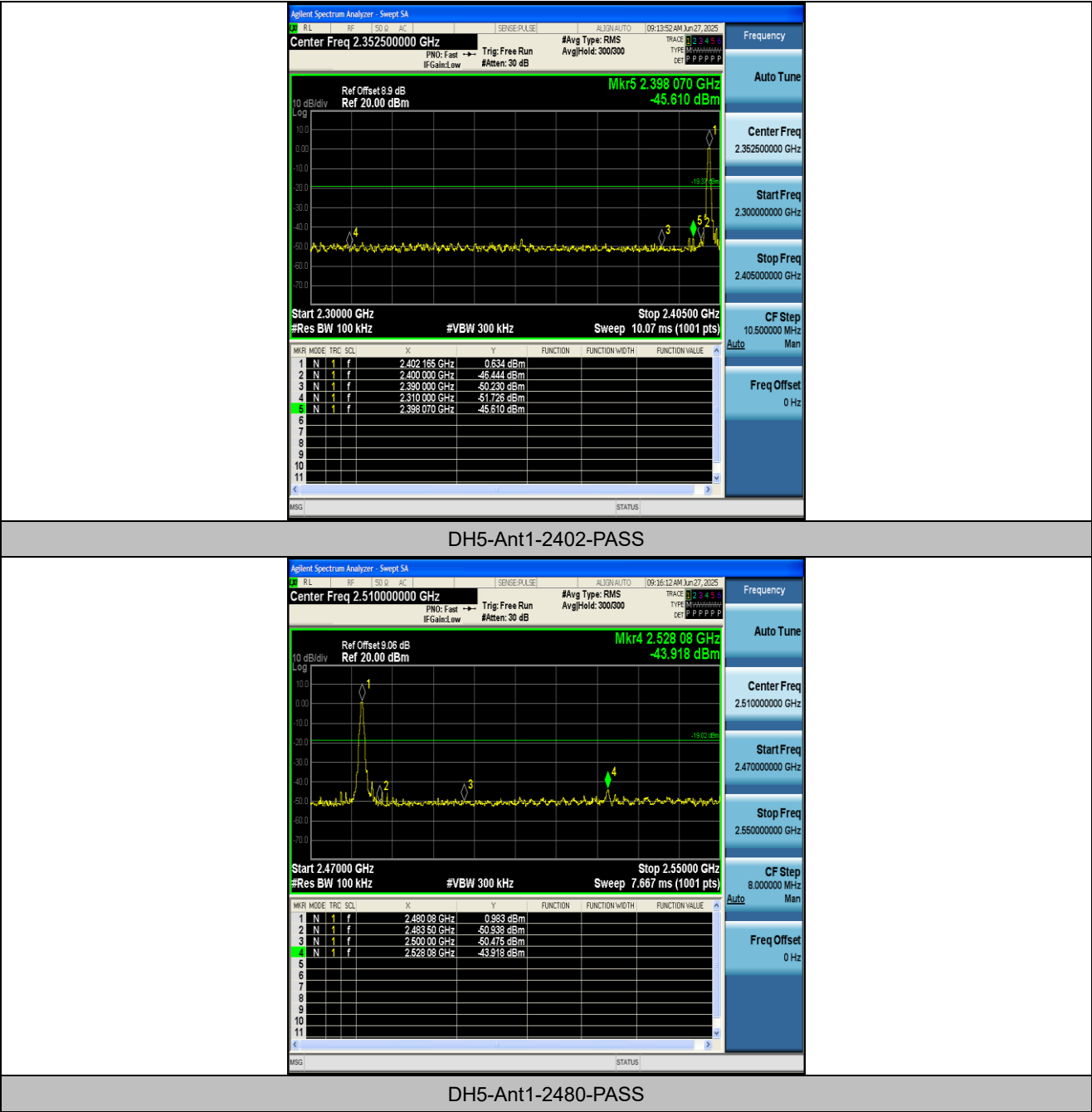
Appendix G: Band edge measurements

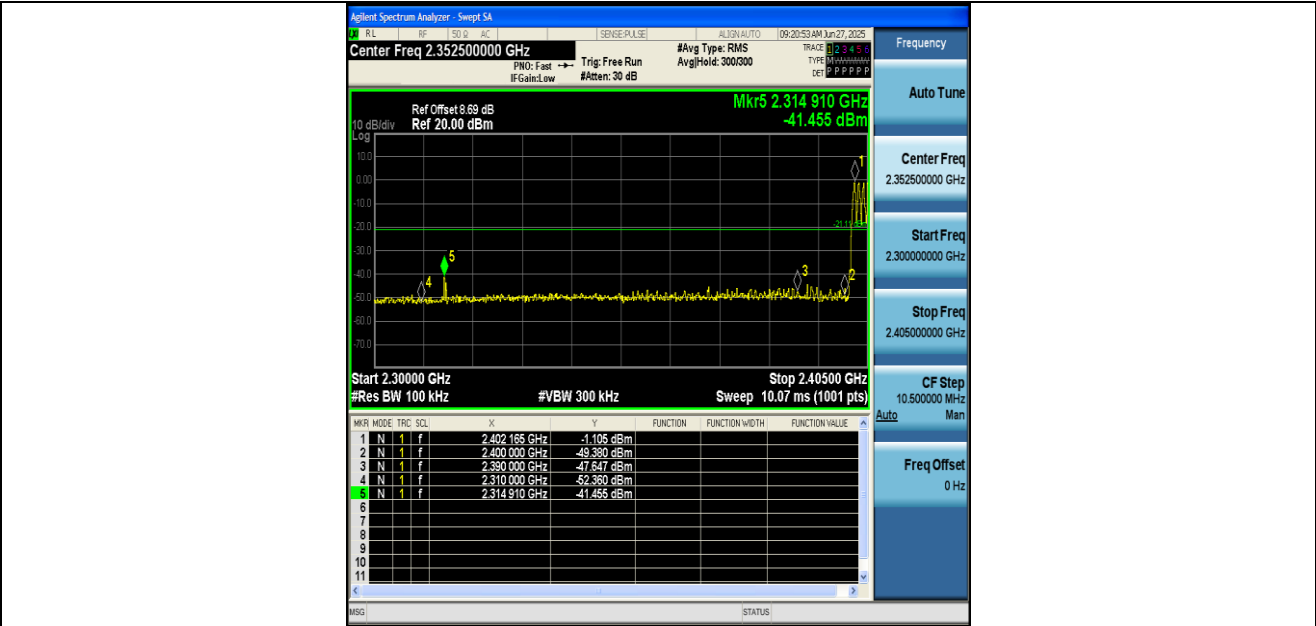
Test Result

Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.63	-45.61	≤-19.37	PASS
DH5	Ant1	High	2480	0.98	-43.92	≤-19.02	PASS
DH5	Ant1	Low	Hop_2402	-1.11	-41.46	≤-21.11	PASS
DH5	Ant1	High	Hop_2480	0.71	-33.78	≤-19.3	PASS
2DH5	Ant1	Low	2402	0.56	-44.56	≤-19.44	PASS
2DH5	Ant1	High	2480	-0.40	-45.14	≤-20.4	PASS
2DH5	Ant1	Low	Hop_2402	-0.17	-39.15	≤-20.17	PASS
2DH5	Ant1	High	Hop_2480	0.91	-41.33	≤-19.09	PASS

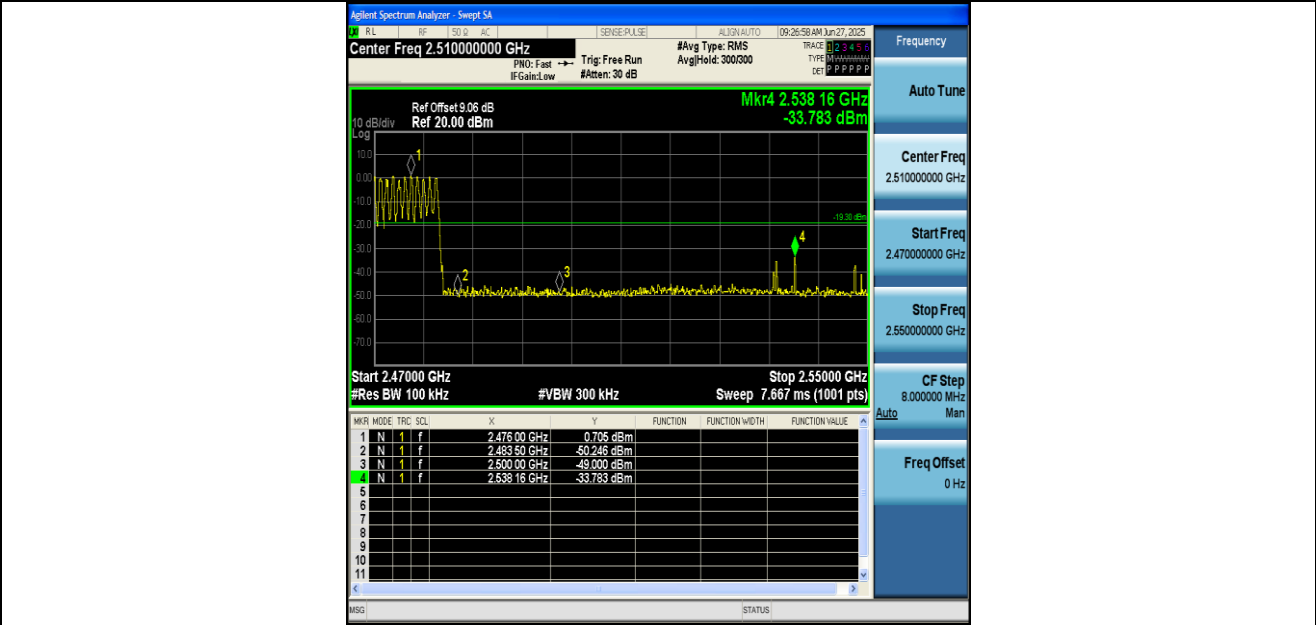
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

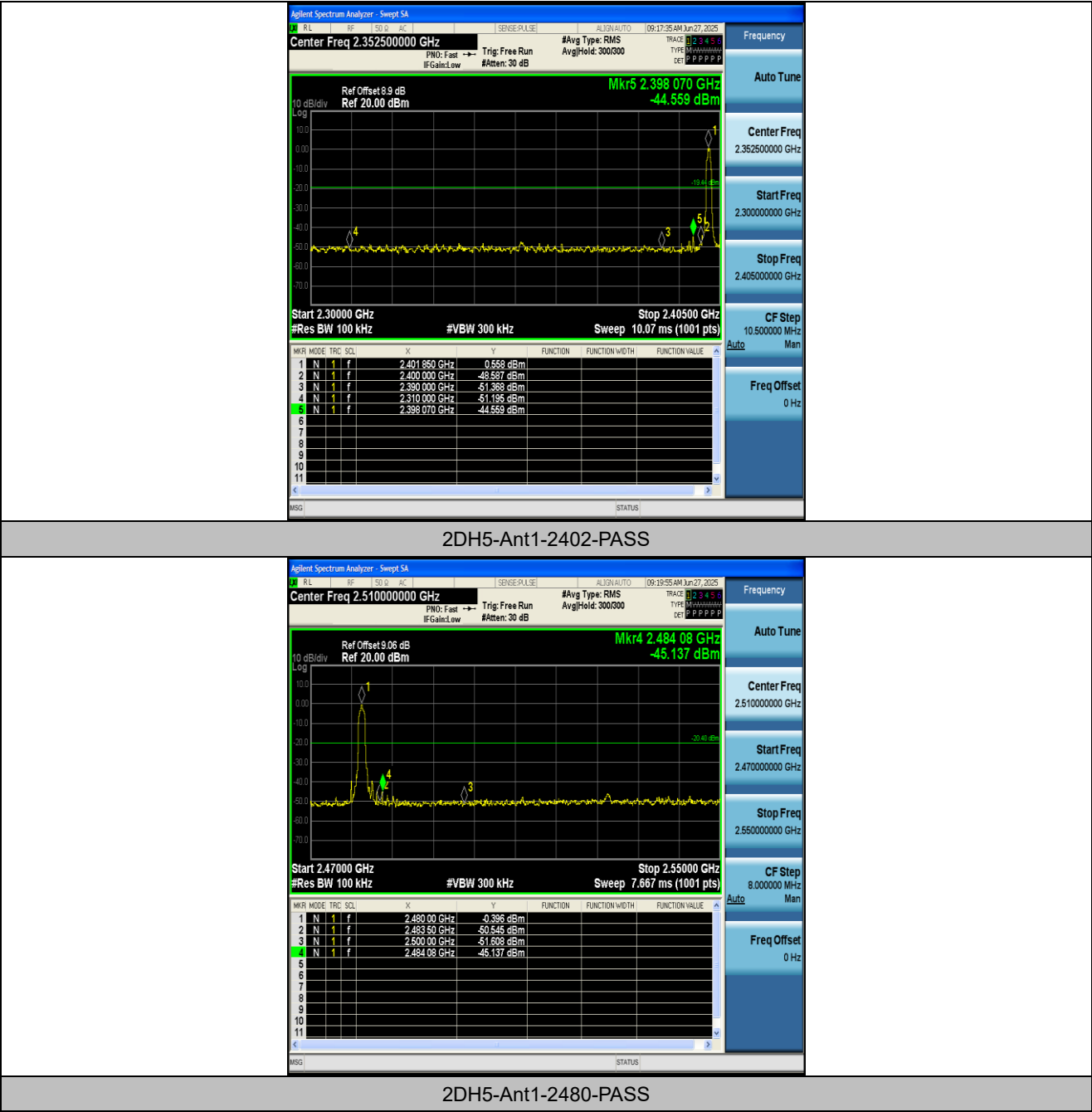


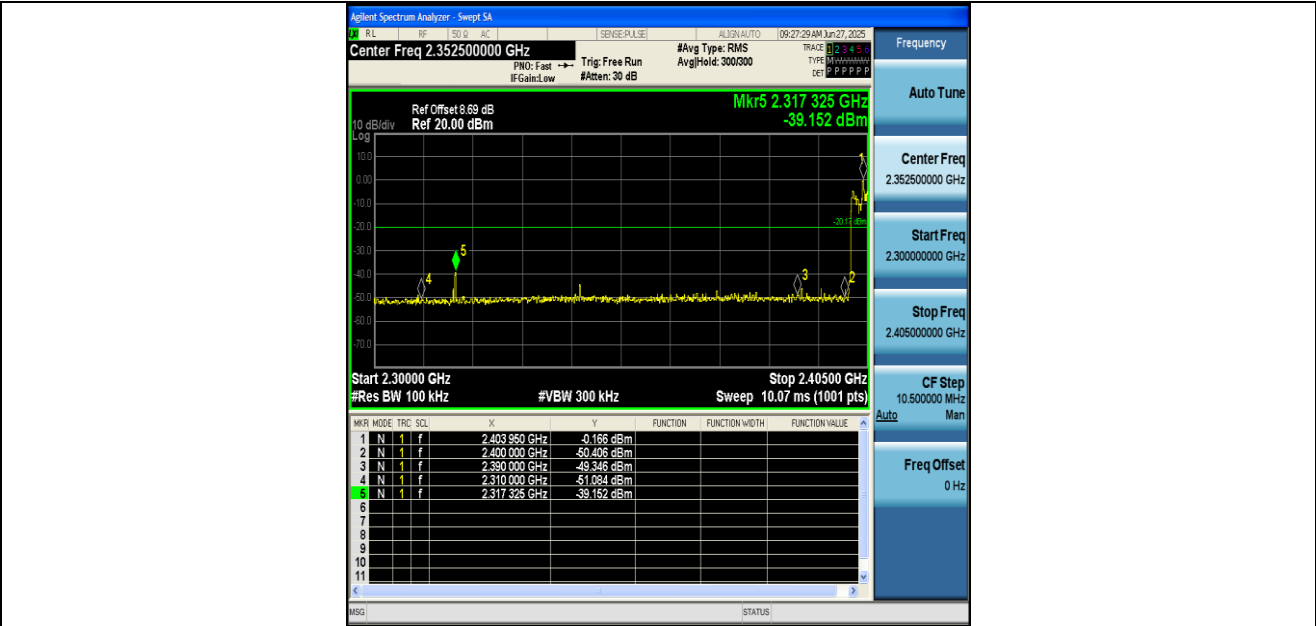


DH5-Ant1-Hop_2402-PASS

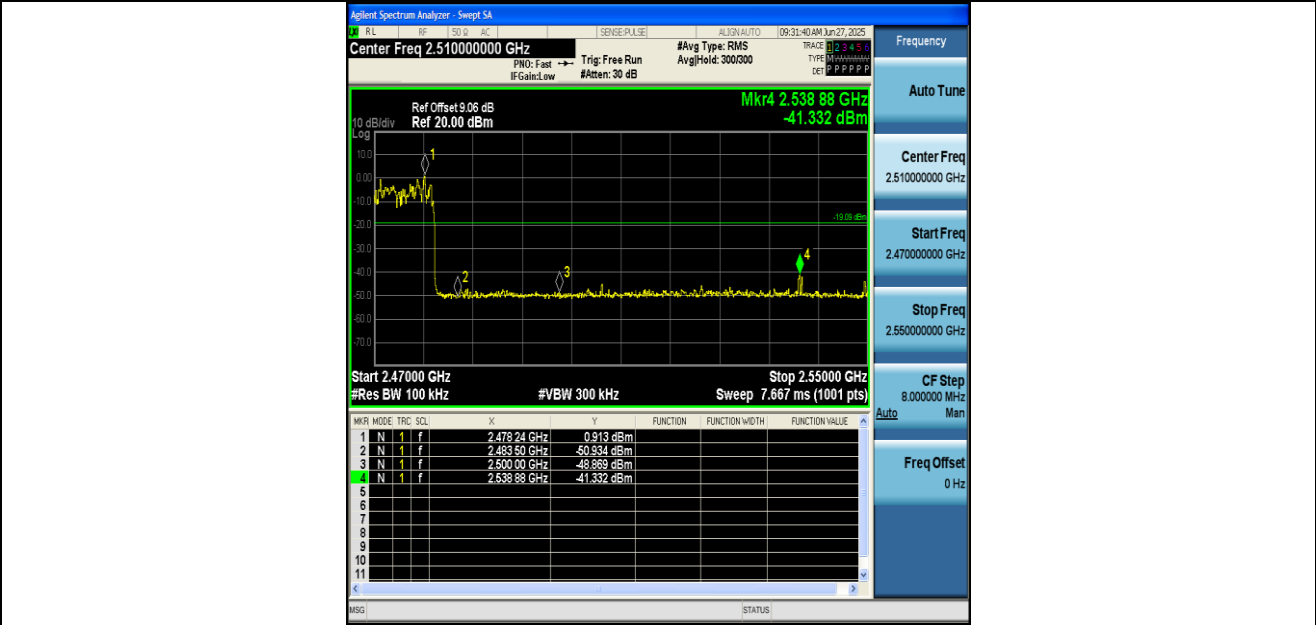


DH5-Ant1-Hop_2480-PASS





2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS

Appendix H: Conducted Spurious Emission

Test Result

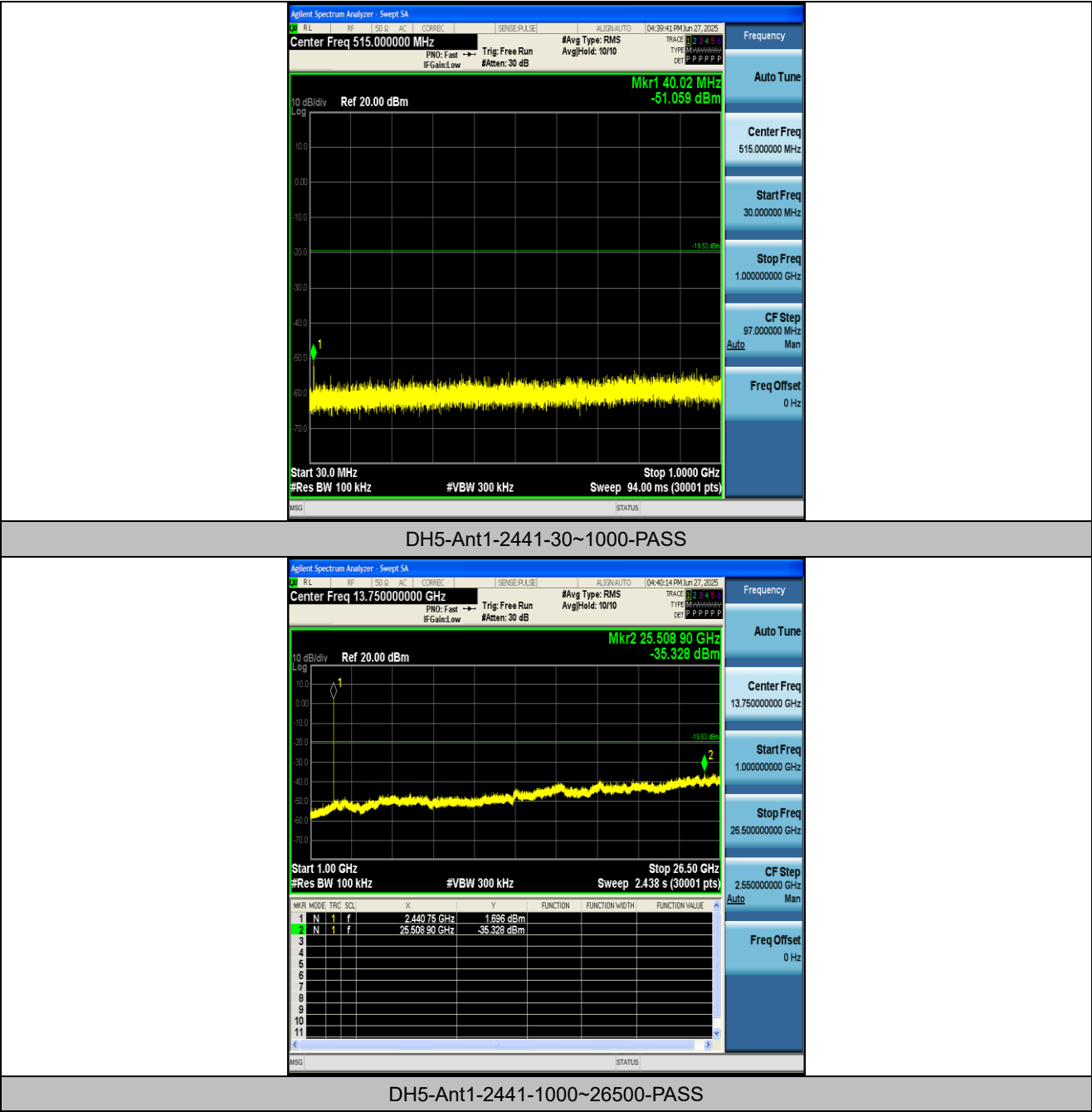
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.21	-0.21	---	PASS
DH5	Ant1	2402	30~1000	-0.21	-51.38	≤-20.21	PASS
DH5	Ant1	2402	1000~26500	-0.21	-35.62	≤-20.21	PASS
DH5	Ant1	2441	0~Reference	0.47	0.47	---	PASS
DH5	Ant1	2441	30~1000	0.47	-51.06	≤-19.53	PASS
DH5	Ant1	2441	1000~26500	0.47	-35.33	≤-19.53	PASS
DH5	Ant1	2480	0~Reference	0.70	0.70	---	PASS
DH5	Ant1	2480	30~1000	0.70	-51.99	≤-19.3	PASS
DH5	Ant1	2480	1000~26500	0.70	-35.94	≤-19.3	PASS
2DH5	Ant1	2402	0~Reference	-1.41	-1.41	---	PASS
2DH5	Ant1	2402	30~1000	-1.41	-51.58	≤-21.41	PASS
2DH5	Ant1	2402	1000~26500	-1.41	-34.54	≤-21.41	PASS
2DH5	Ant1	2441	0~Reference	-0.94	-0.94	---	PASS
2DH5	Ant1	2441	30~1000	-0.94	-50.79	≤-20.94	PASS
2DH5	Ant1	2441	1000~26500	-0.94	-34.43	≤-20.94	PASS
2DH5	Ant1	2480	0~Reference	-0.18	-0.18	---	PASS
2DH5	Ant1	2480	30~1000	-0.18	-50.45	≤-20.18	PASS
2DH5	Ant1	2480	1000~26500	-0.18	-34.93	≤-20.18	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

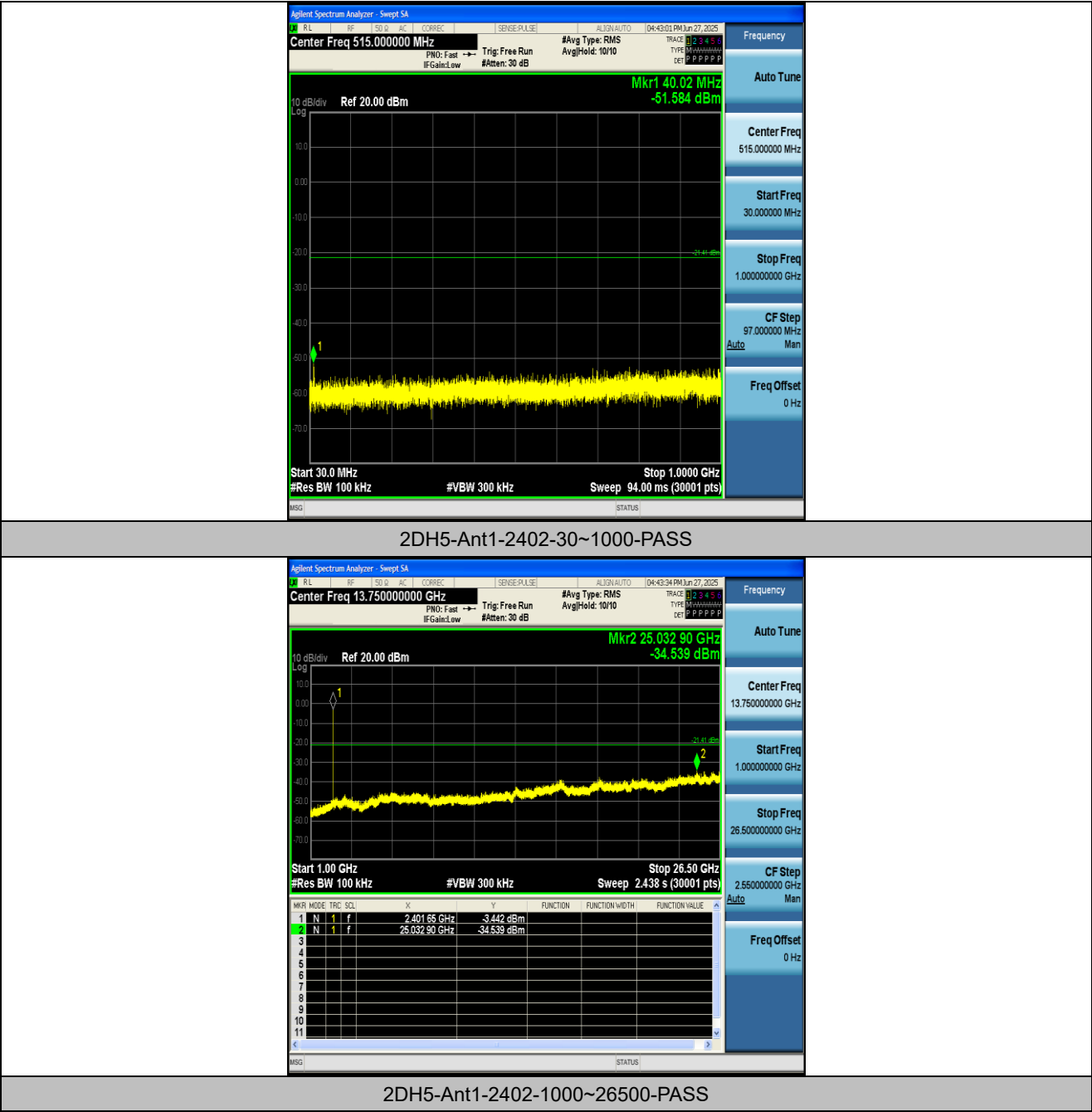


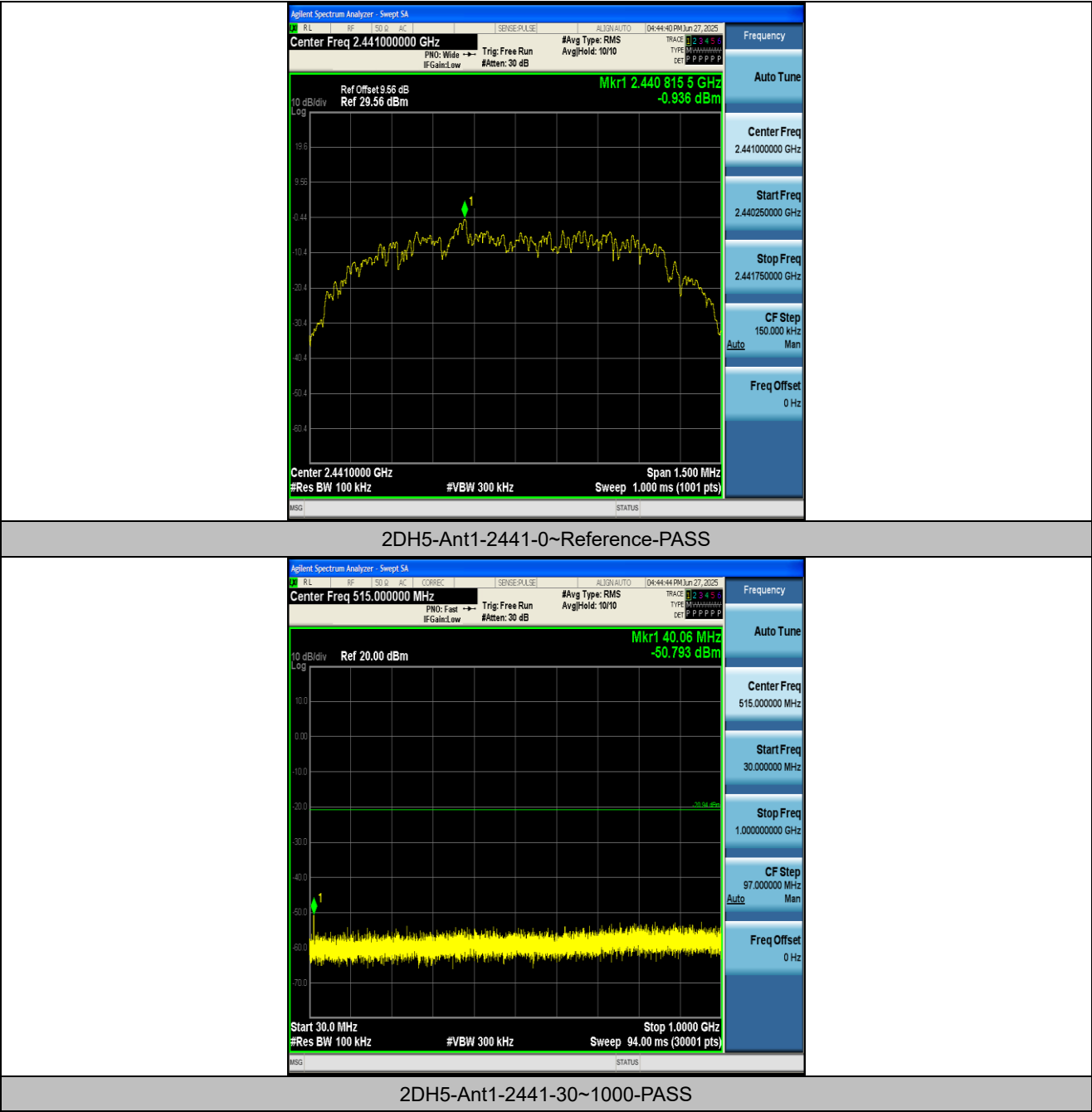


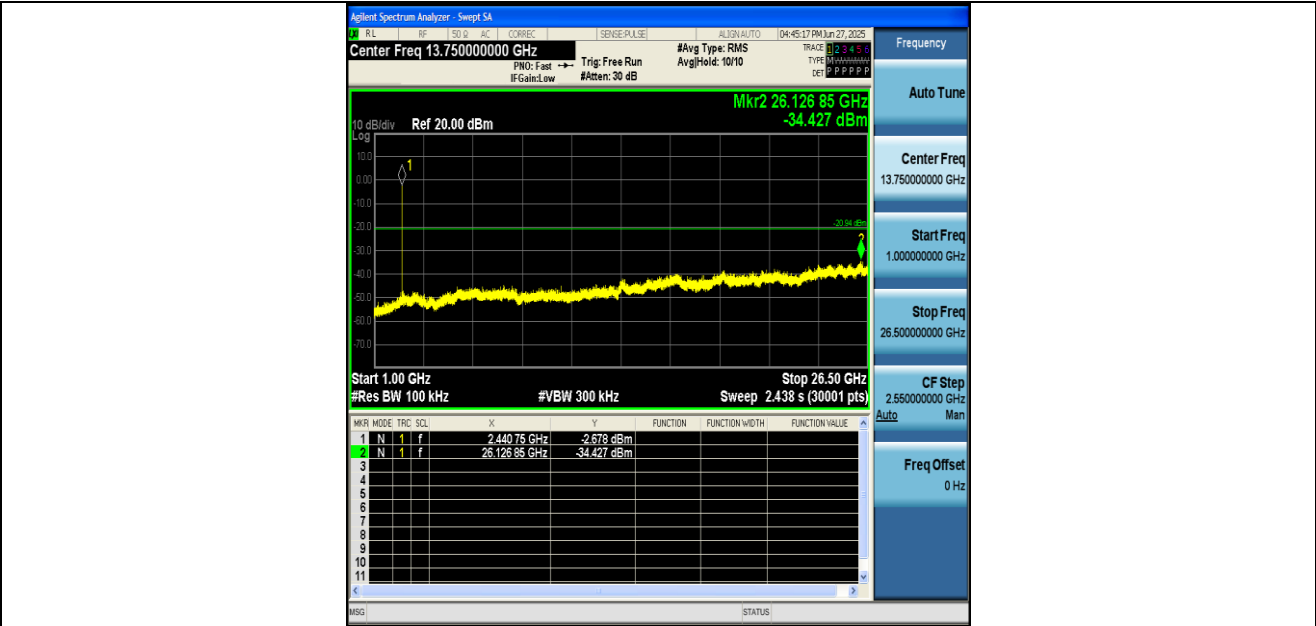




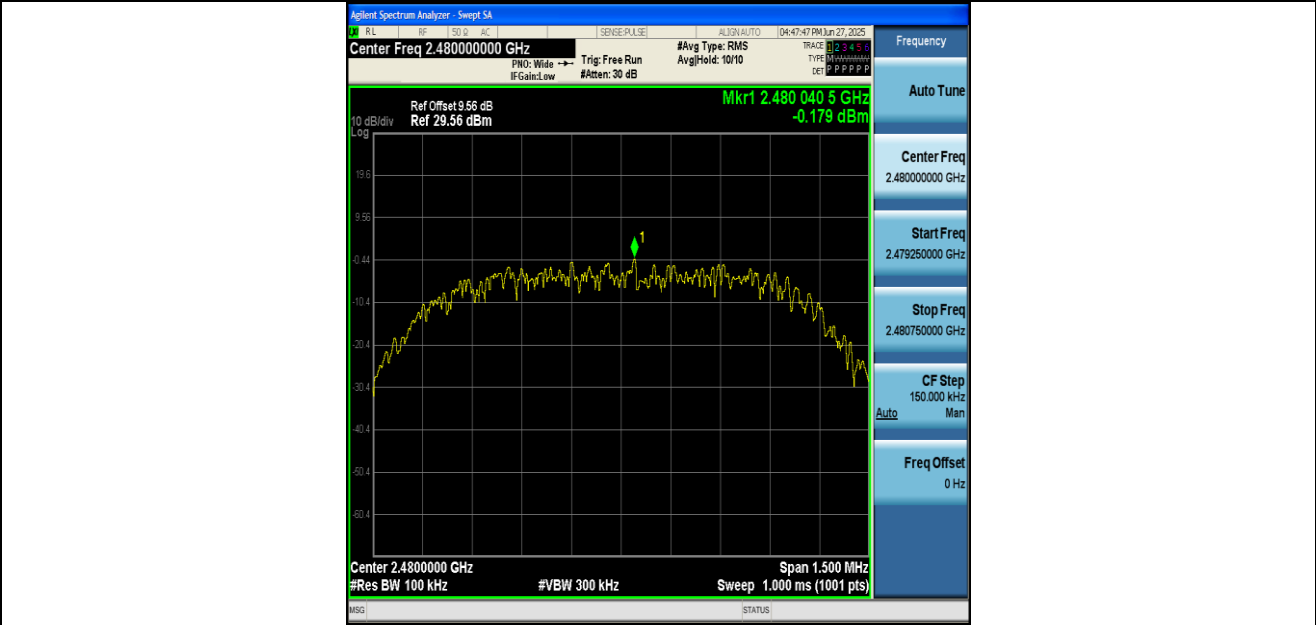




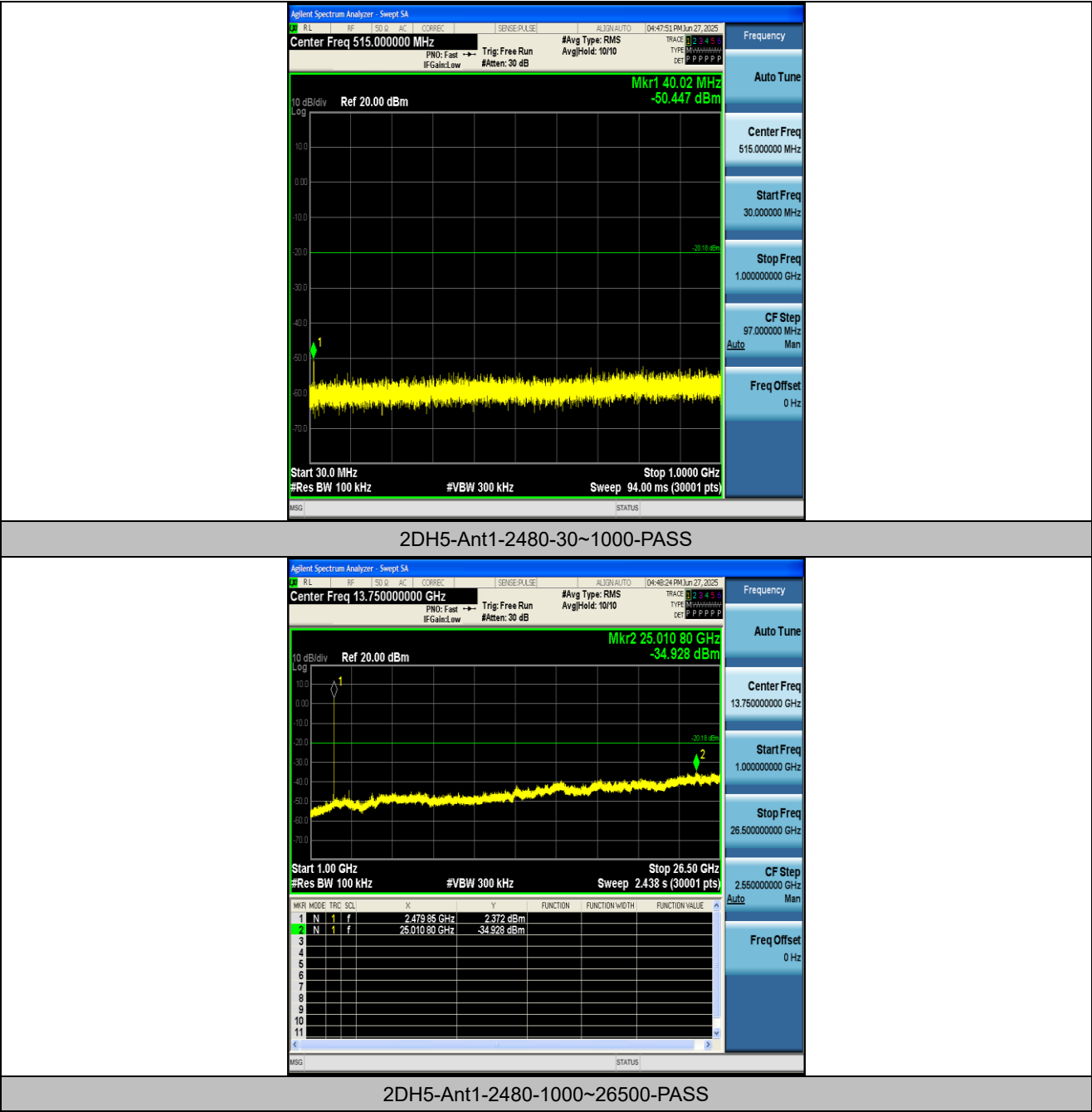




2DH5-Ant1-2441-1000~26500-PASS



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



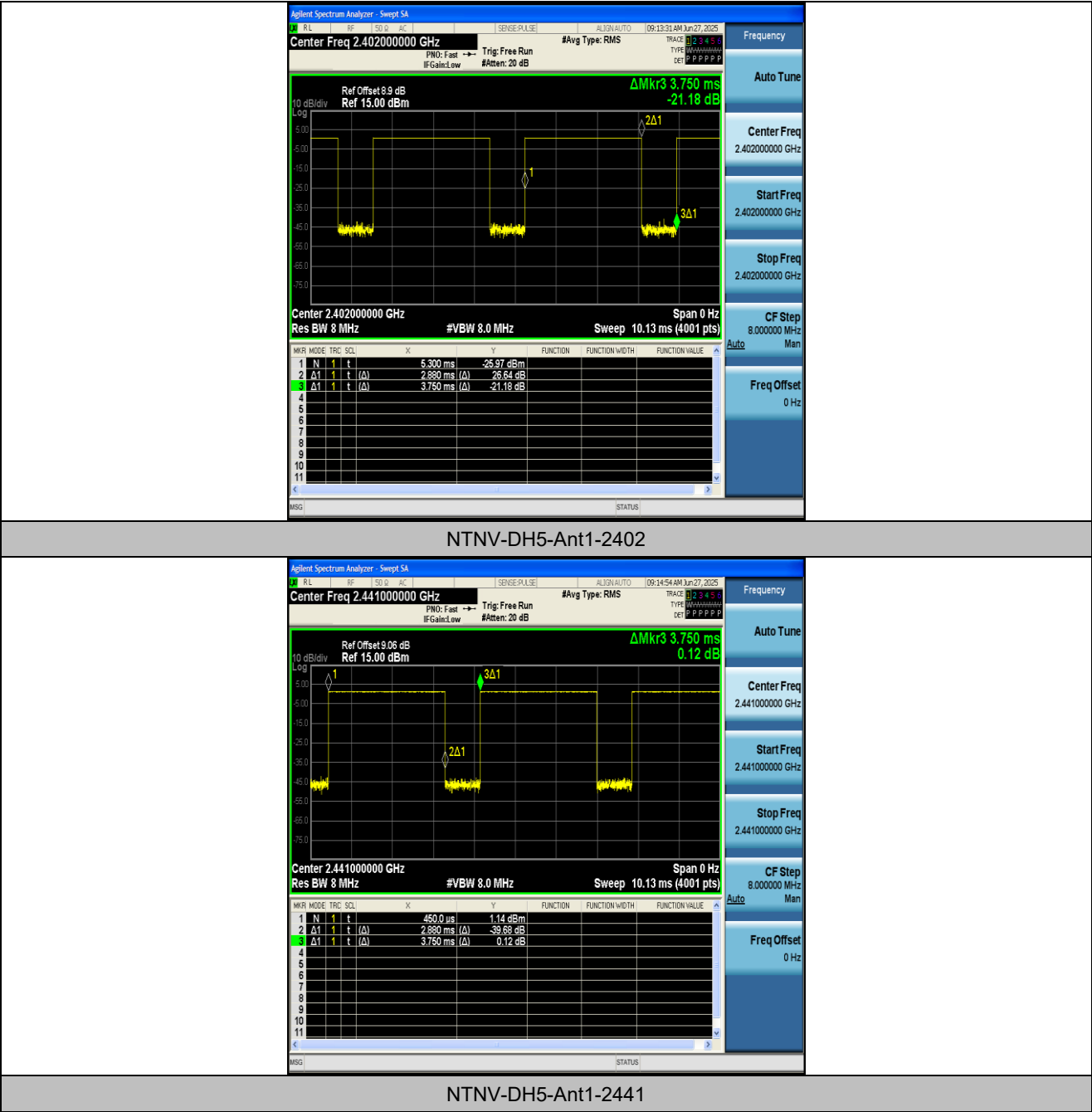
Appendix I: Duty Cycle

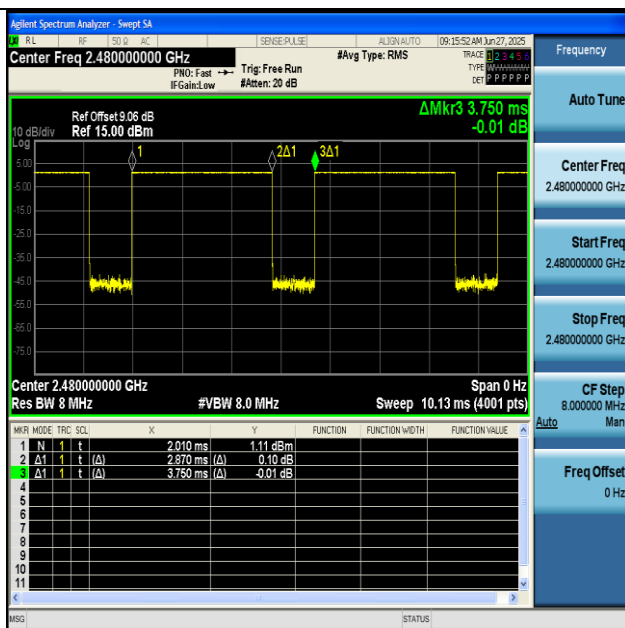
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.87	3.75	76.53	1.16
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80	1.15

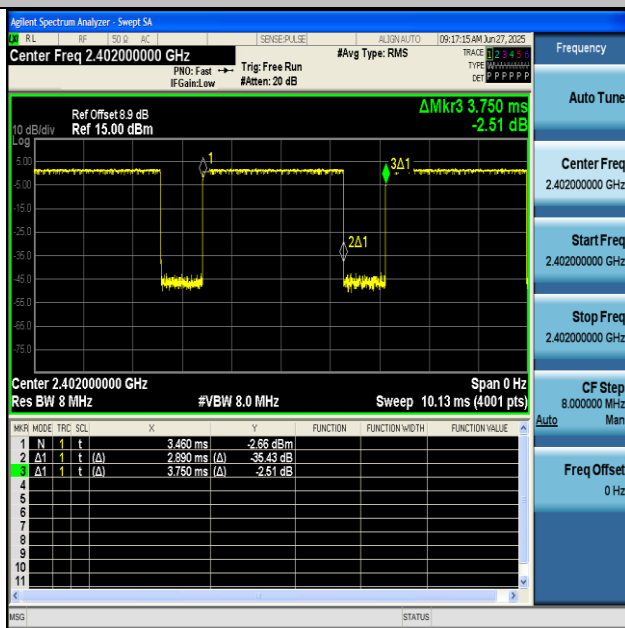
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs





NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402

