

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

Product Name: INTELLIGENT SLEEP INSTRUMENT

Trade Mark: CKGO

Test Model: CKGO-A5

FCC ID: 2BGYC-CKGOA5

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	1.056	2401.460	2402.516	---	---
DH5	Ant1	2441	1.068	2440.454	2441.522	---	---
DH5	Ant1	2480	1.053	2479.460	2480.513	---	---
2DH5	Ant1	2402	1.323	2401.340	2402.663	---	---
2DH5	Ant1	2441	1.263	2440.379	2441.642	---	---
2DH5	Ant1	2480	1.287	2479.367	2480.654	---	---

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	0.93957	2401.5342	2402.4738	---	---
DH5	Ant1	2441	0.94194	2440.5359	2441.4778	---	---
DH5	Ant1	2480	0.95263	2479.5260	2480.4786	---	---
2DH5	Ant1	2402	1.1642	2401.4204	2402.5846	---	---
2DH5	Ant1	2441	1.1727	2440.4143	2441.5870	---	---
2DH5	Ant1	2480	1.1599	2479.4221	2480.5820	---	---

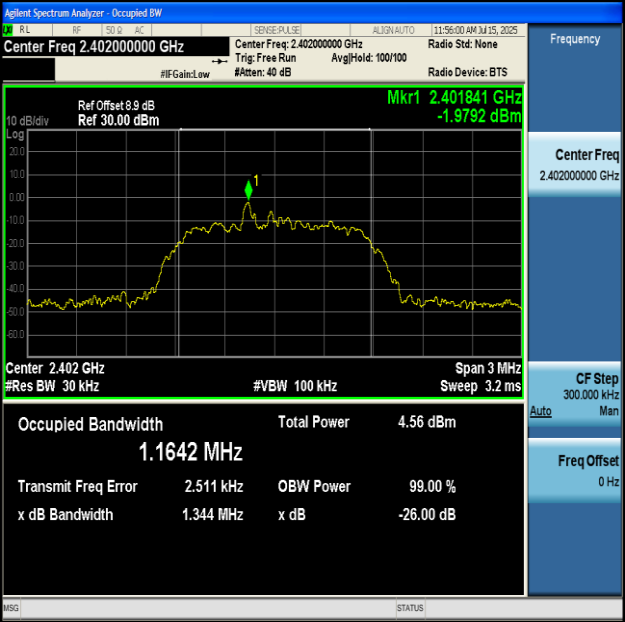
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

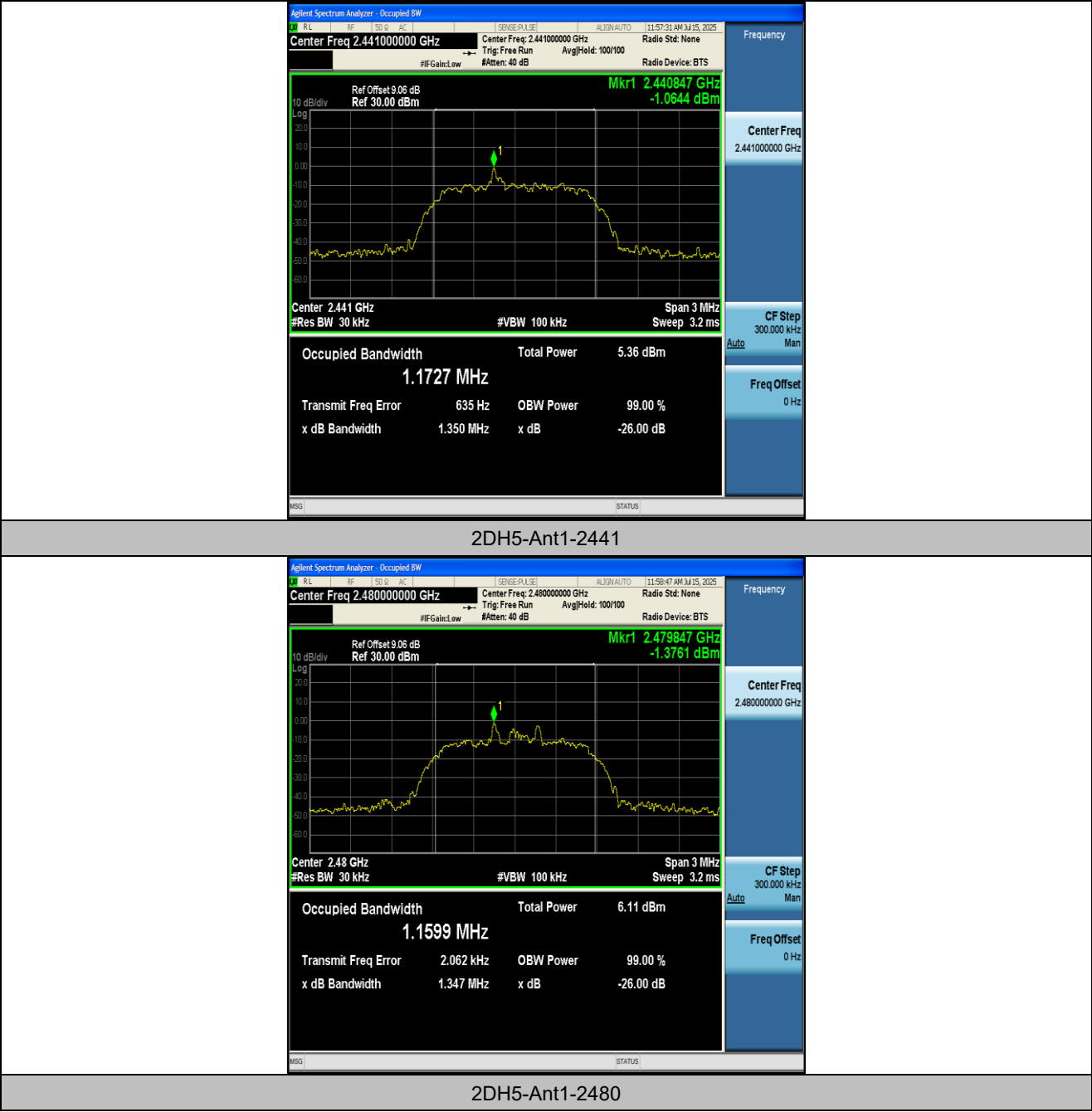




DH5-Ant1-2480



2DH5-Ant1-2402



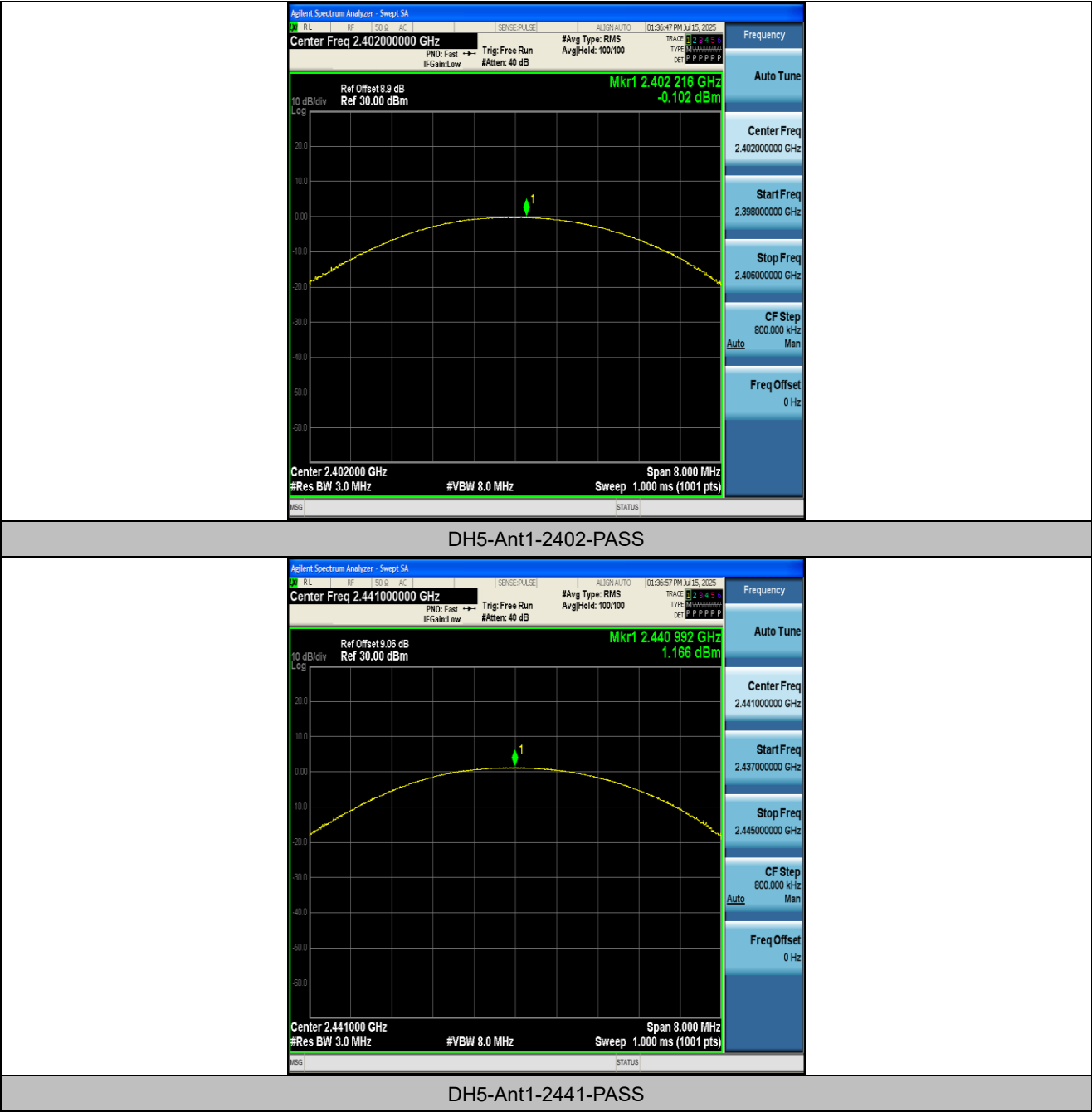
Appendix C: Maximum peak conducted output power

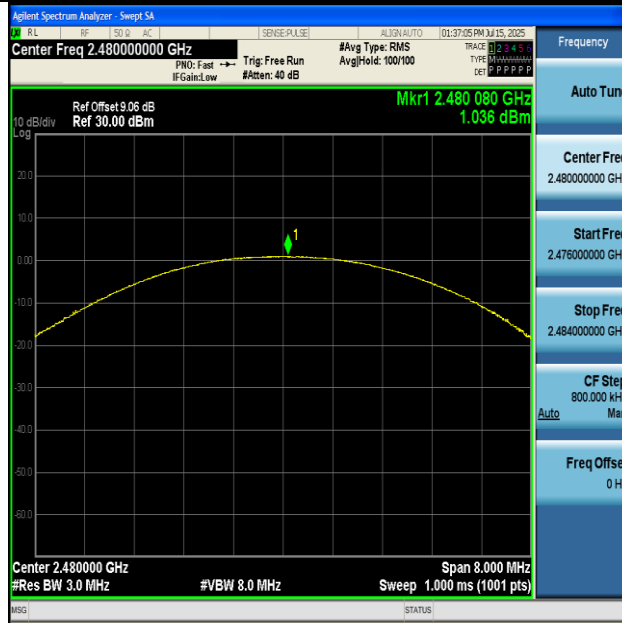
Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-0.10	≤20.97	PASS
DH5	Ant1	2441	1.17	≤20.97	PASS
DH5	Ant1	2480	1.04	≤20.97	PASS
2DH5	Ant1	2402	-0.30	≤20.97	PASS
2DH5	Ant1	2441	1.02	≤20.97	PASS
2DH5	Ant1	2480	0.89	≤20.97	PASS

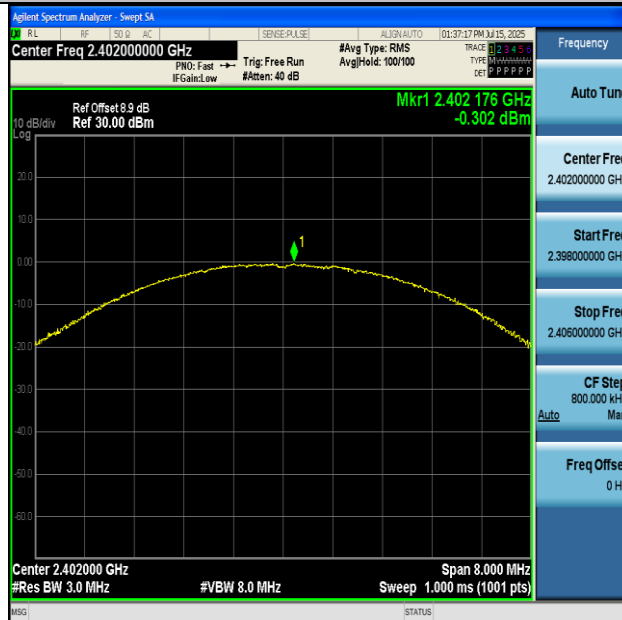
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

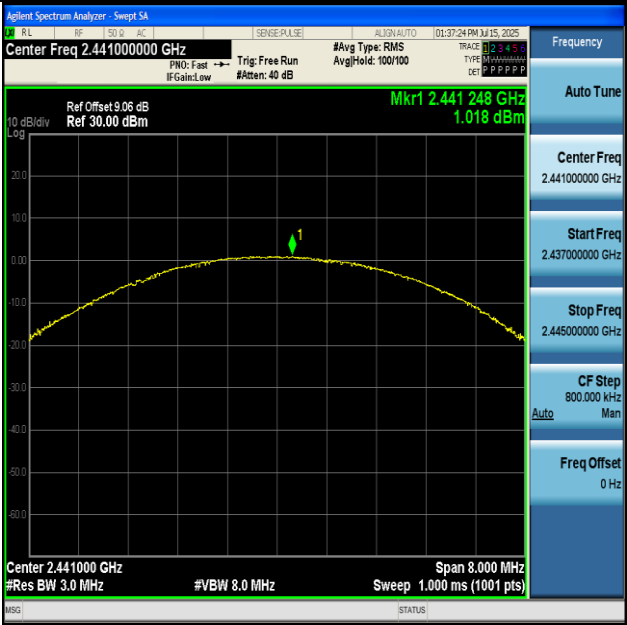




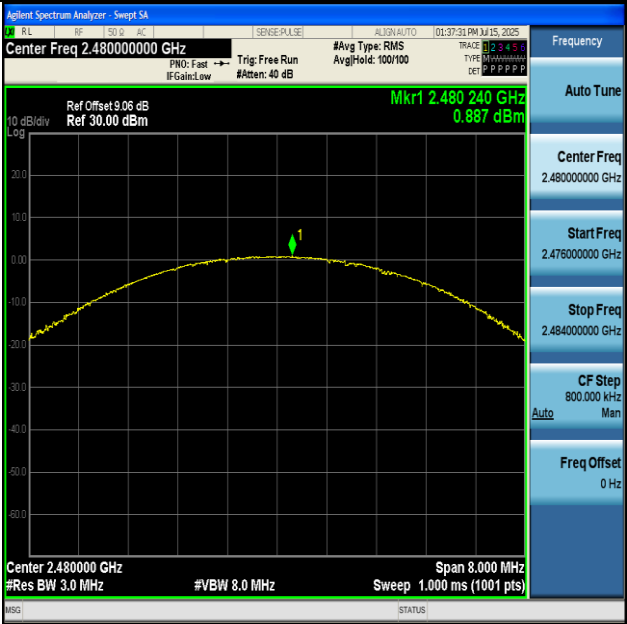
DH5-Ant1-2480-PASS



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	1.01	≥ 0.712	PASS
2DH5	Ant1	Hop	0.998	≥ 0.882	PASS

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

Test Graphs



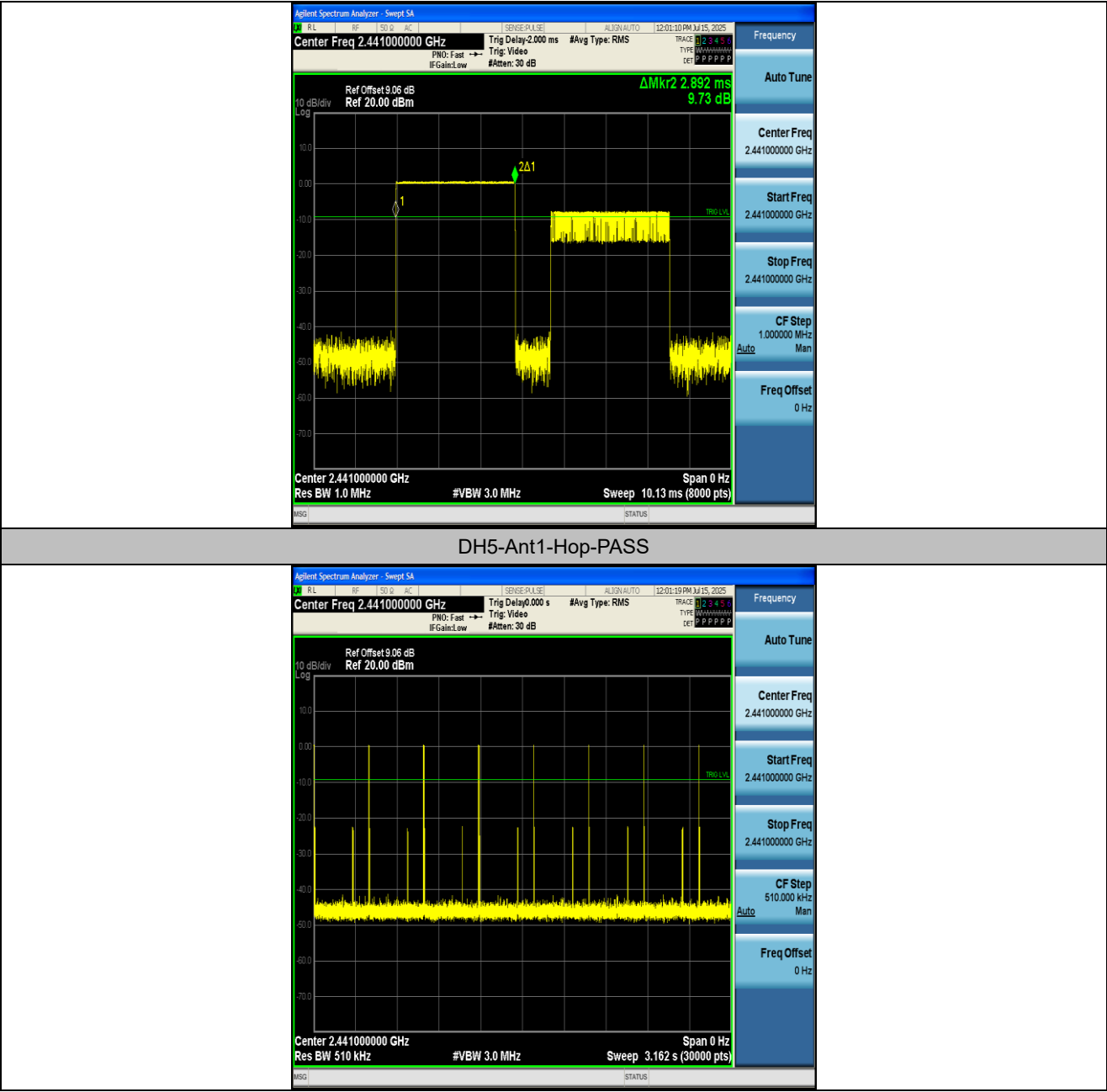
Appendix E: Time of occupancy

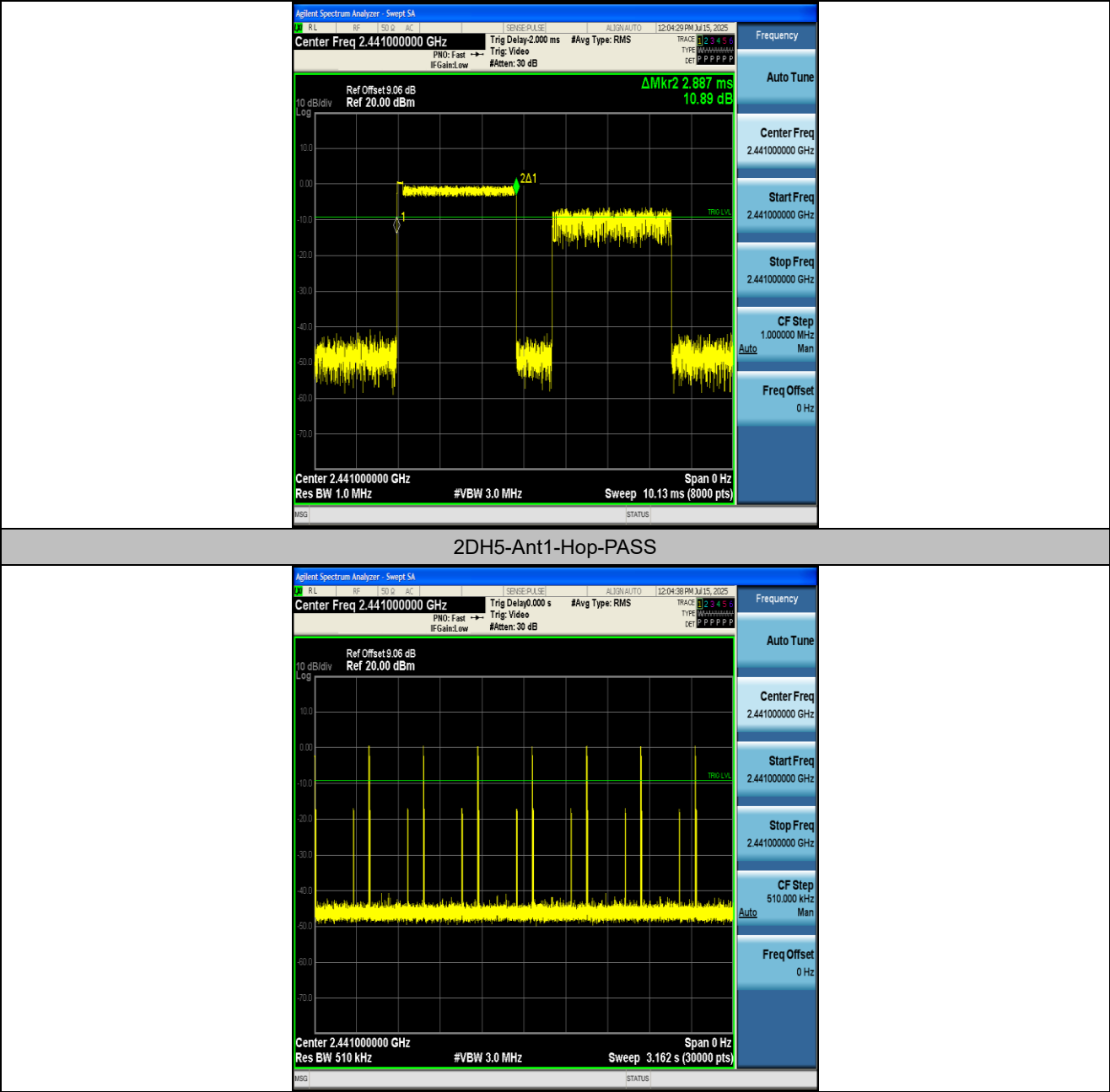
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.892	100	0.289	≤0.4	PASS
2DH5	Ant1	Hop	2.887	120	0.346	≤0.4	PASS

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

Test Graphs





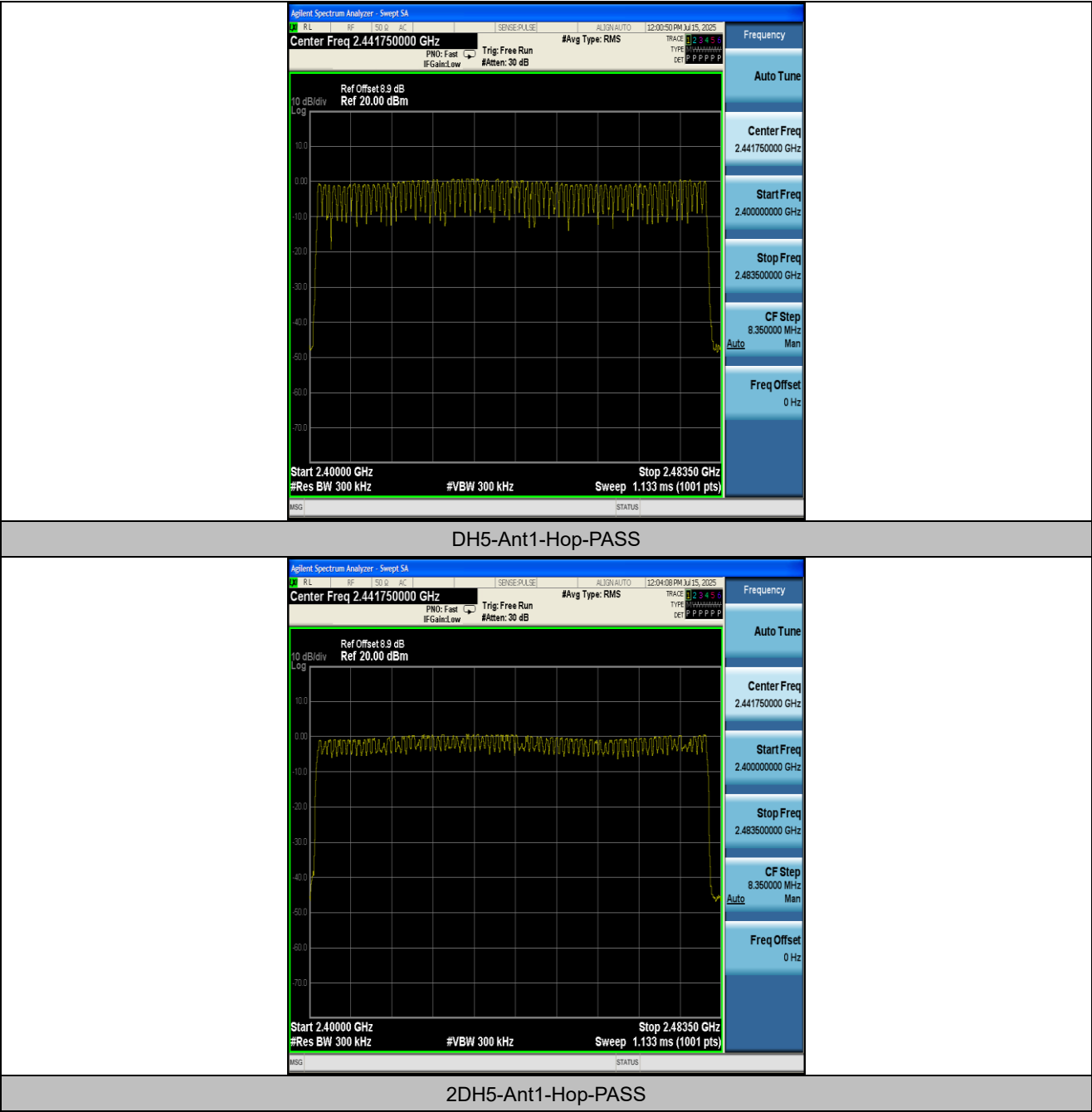
Appendix F: Number of hopping channels

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



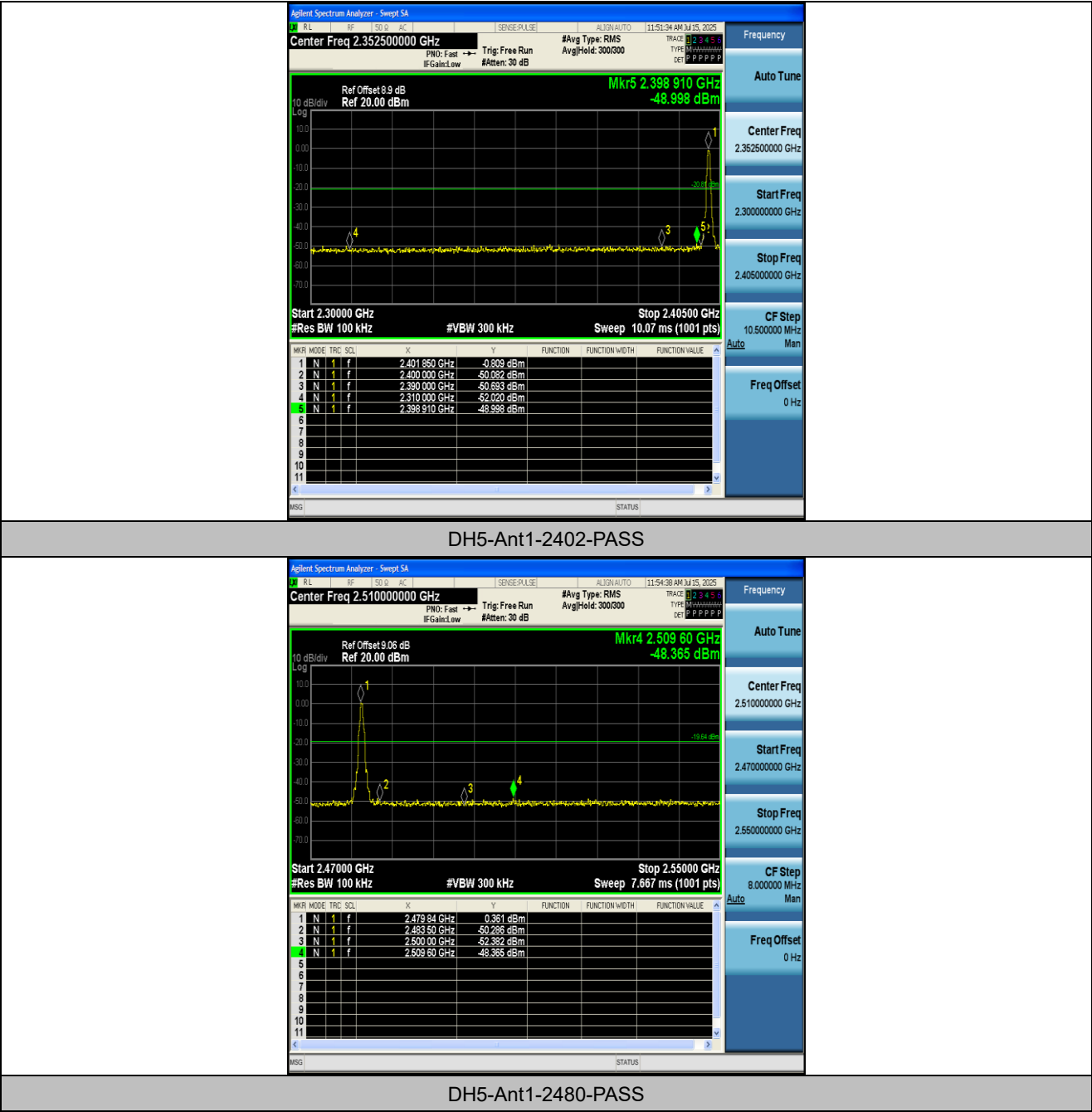
Appendix G: Band edge measurements

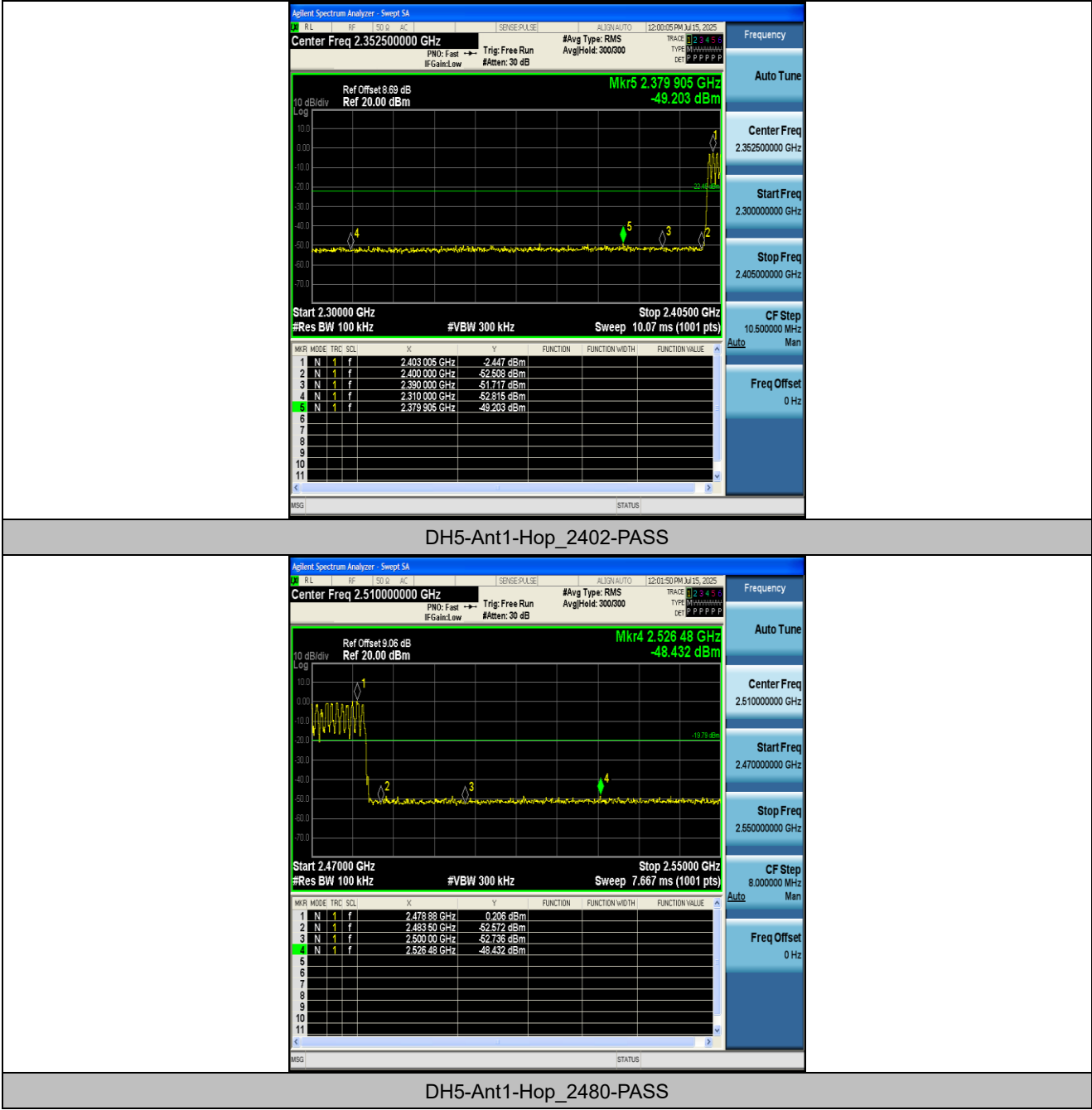
Test Result

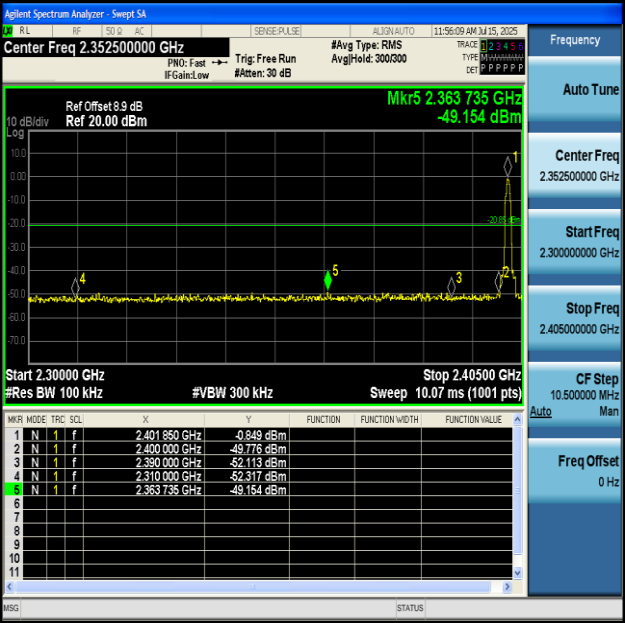
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.81	-49	≤-20.81	PASS
DH5	Ant1	High	2480	0.36	-48.37	≤-19.64	PASS
DH5	Ant1	Low	Hop_2402	-2.45	-49.2	≤-22.45	PASS
DH5	Ant1	High	Hop_2480	0.21	-48.43	≤-19.79	PASS
2DH5	Ant1	Low	2402	-0.85	-49.15	≤-20.85	PASS
2DH5	Ant1	High	2480	-0.09	-48.07	≤-20.09	PASS
2DH5	Ant1	Low	Hop_2402	-1.25	-49.3	≤-21.25	PASS
2DH5	Ant1	High	Hop_2480	0.24	-48.63	≤-19.76	PASS

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

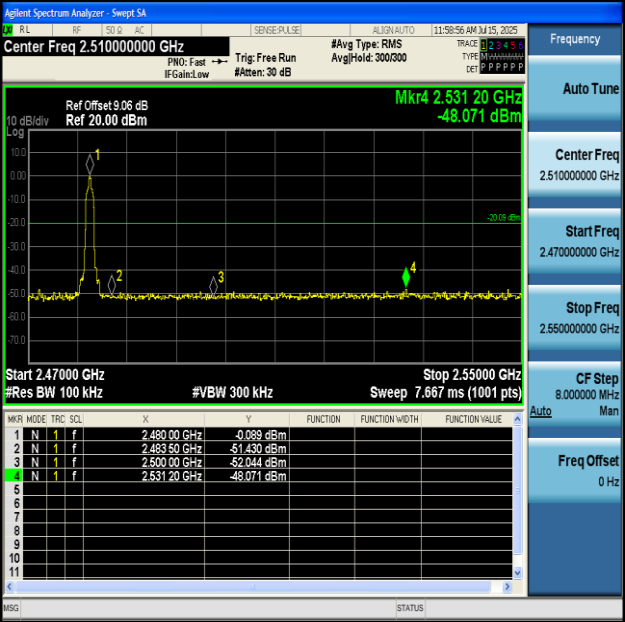
Test Graphs



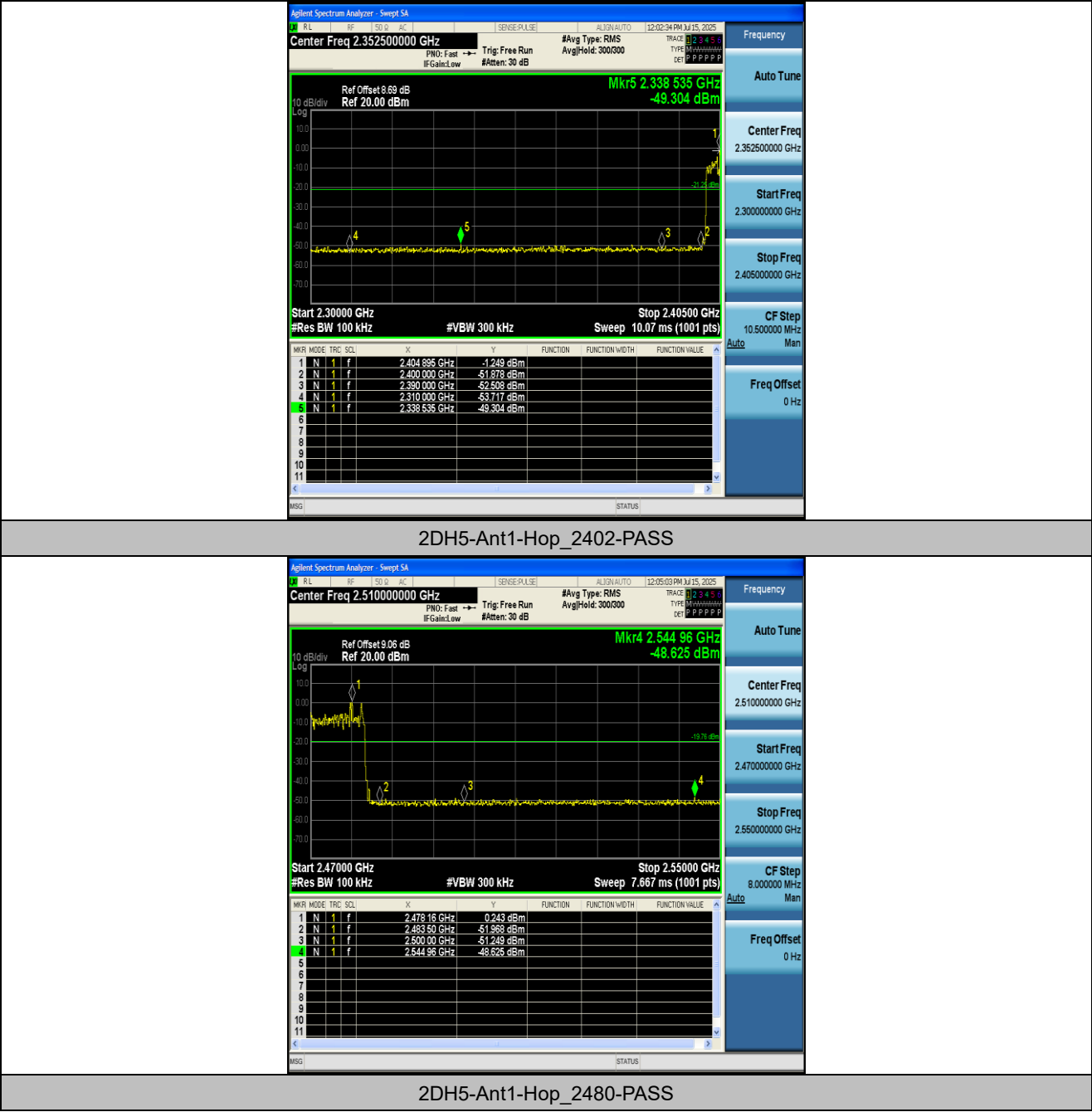




2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



Appendix H: Conducted Spurious Emission

Test Result

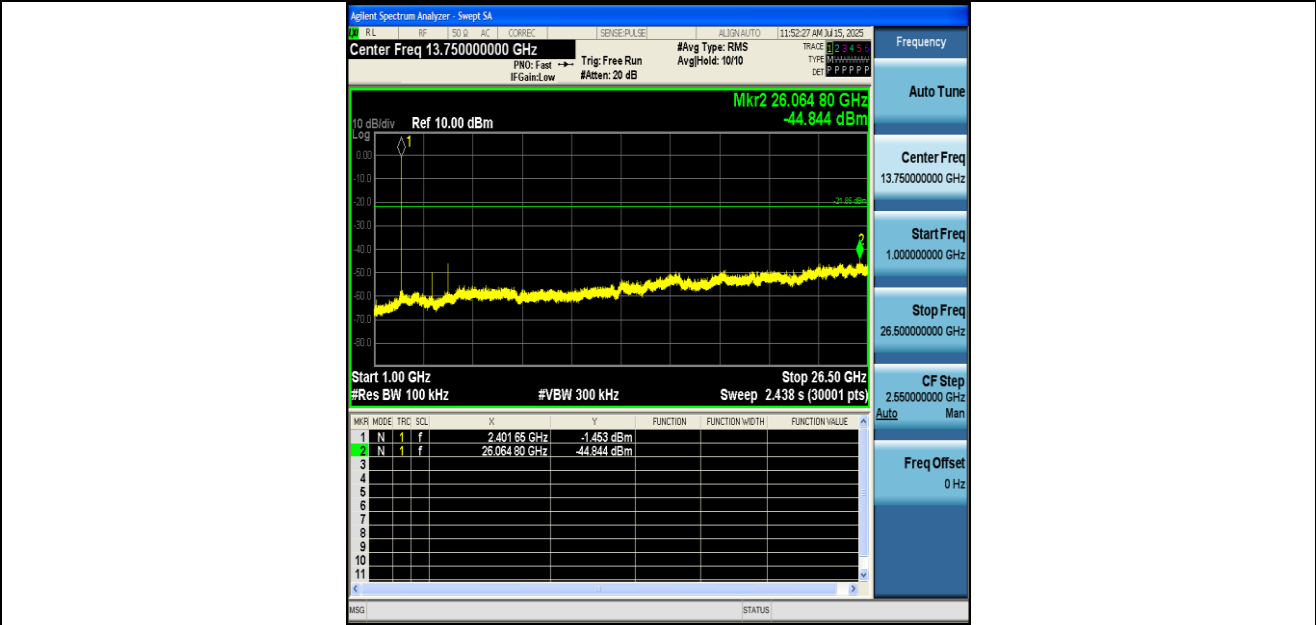
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.85	-1.85	---	PASS
DH5	Ant1	2402	30~1000	-1.85	-58.63	≤-21.85	PASS
DH5	Ant1	2402	1000~26500	-1.85	-44.84	≤-21.85	PASS
DH5	Ant1	2441	0~Reference	-0.18	-0.18	---	PASS
DH5	Ant1	2441	30~1000	-0.18	-56.83	≤-20.18	PASS
DH5	Ant1	2441	1000~26500	-0.18	-45.19	≤-20.18	PASS
DH5	Ant1	2480	0~Reference	-0.52	-0.52	---	PASS
DH5	Ant1	2480	30~1000	-0.52	-59.26	≤-20.52	PASS
DH5	Ant1	2480	1000~26500	-0.52	-44.46	≤-20.52	PASS
2DH5	Ant1	2402	0~Reference	-5.42	-5.42	---	PASS
2DH5	Ant1	2402	30~1000	-5.42	-60.44	≤-25.42	PASS
2DH5	Ant1	2402	1000~26500	-5.42	-44.27	≤-25.42	PASS
2DH5	Ant1	2441	0~Reference	-4.53	-4.53	---	PASS
2DH5	Ant1	2441	30~1000	-4.53	-59.48	≤-24.53	PASS
2DH5	Ant1	2441	1000~26500	-4.53	-45.12	≤-24.53	PASS
2DH5	Ant1	2480	0~Reference	-1.10	-1.10	---	PASS
2DH5	Ant1	2480	30~1000	-1.10	-60.31	≤-21.1	PASS
2DH5	Ant1	2480	1000~26500	-1.10	-45.76	≤-21.1	PASS

Note:

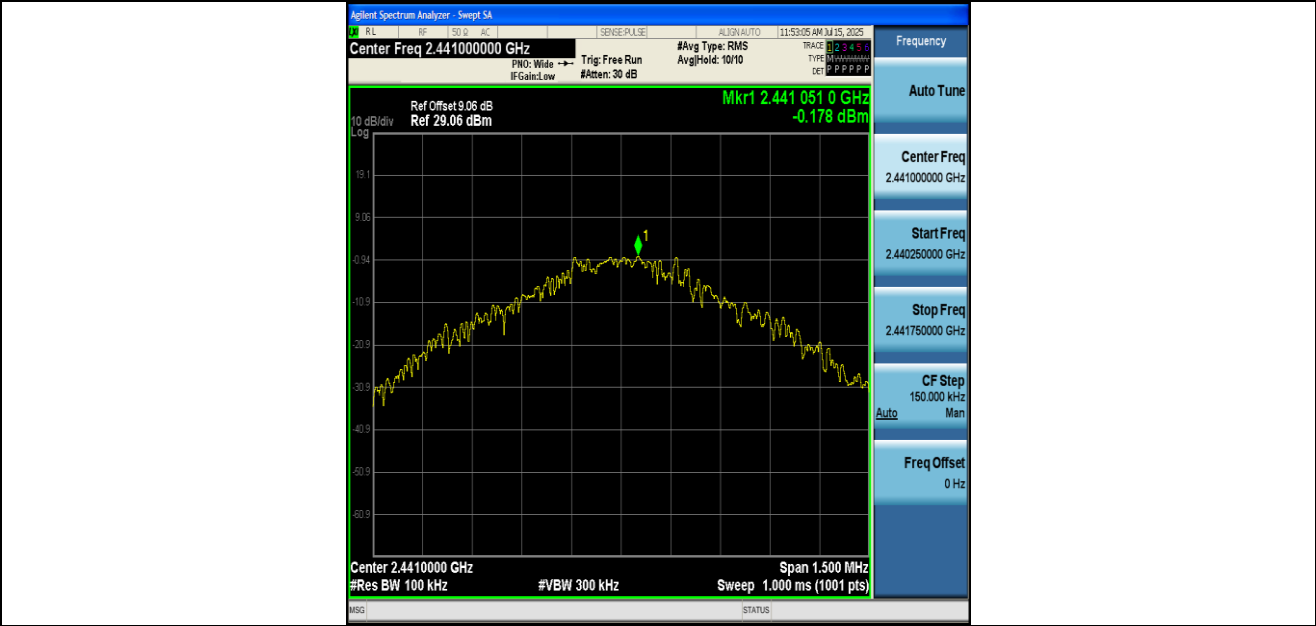
offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs

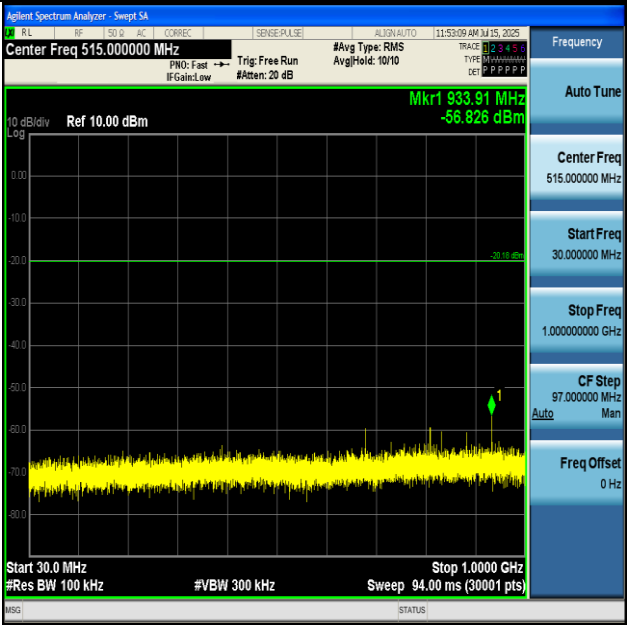




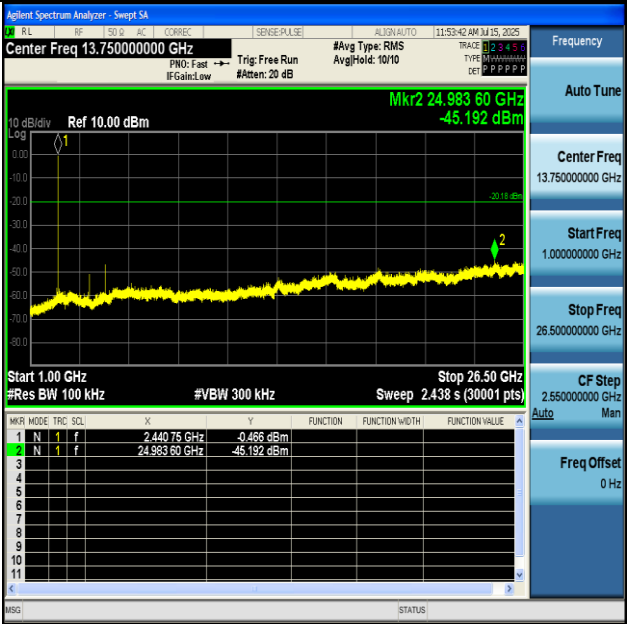
DH5-Ant1-2402-1000~26500-PASS



DH5-Ant1-2441-0~Reference-PASS

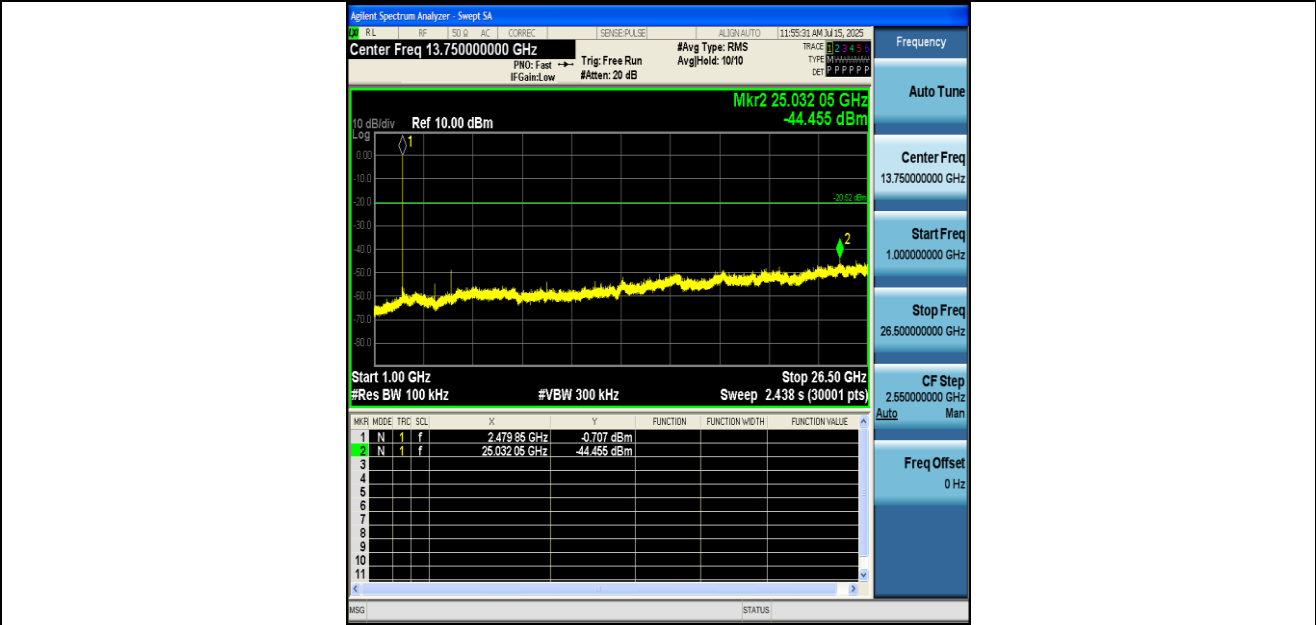


DH5-Ant1-2441-30~1000-PASS

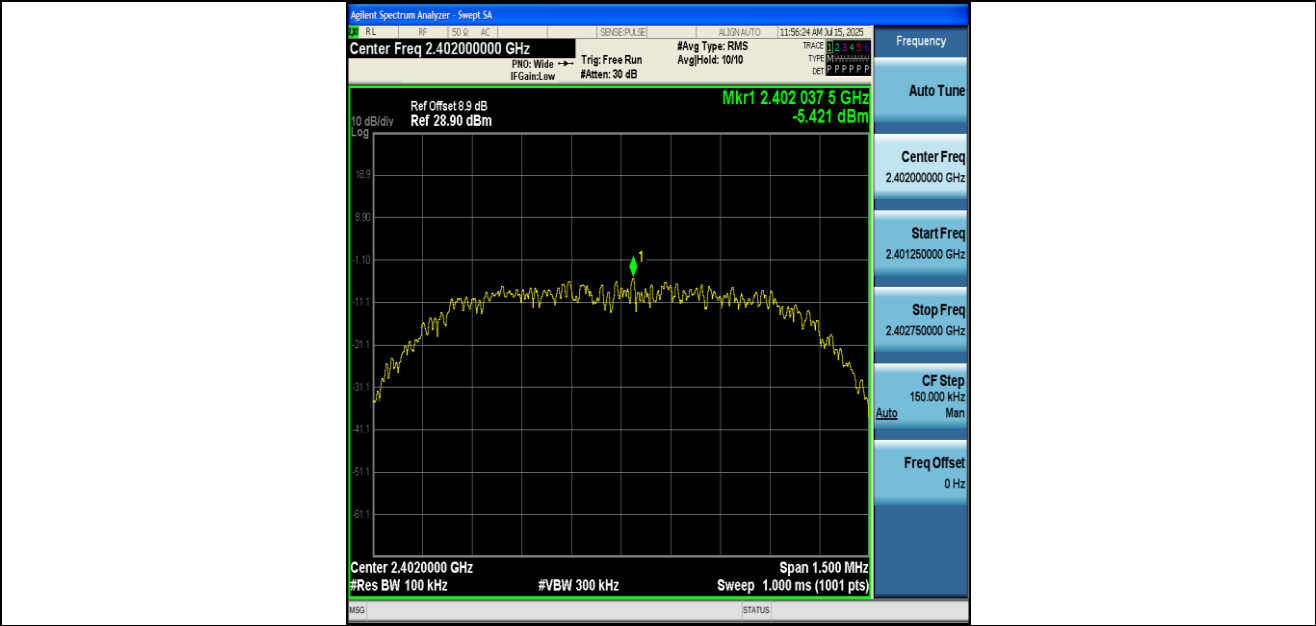


DH5-Ant1-2441-1000~26500-PASS

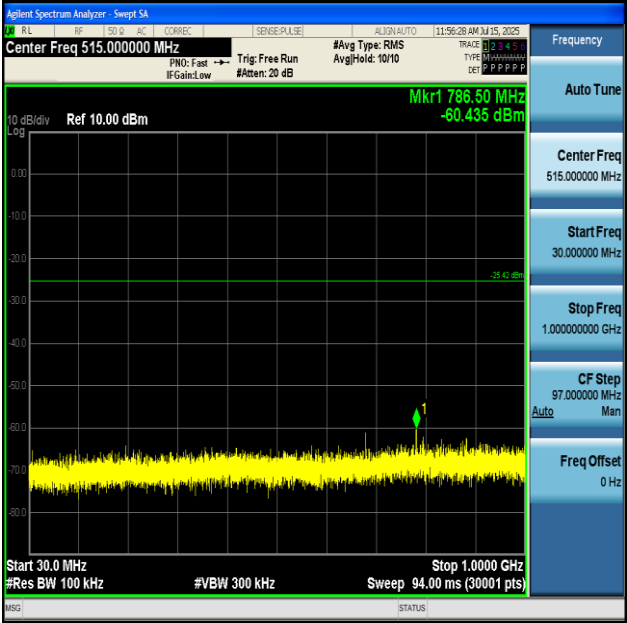




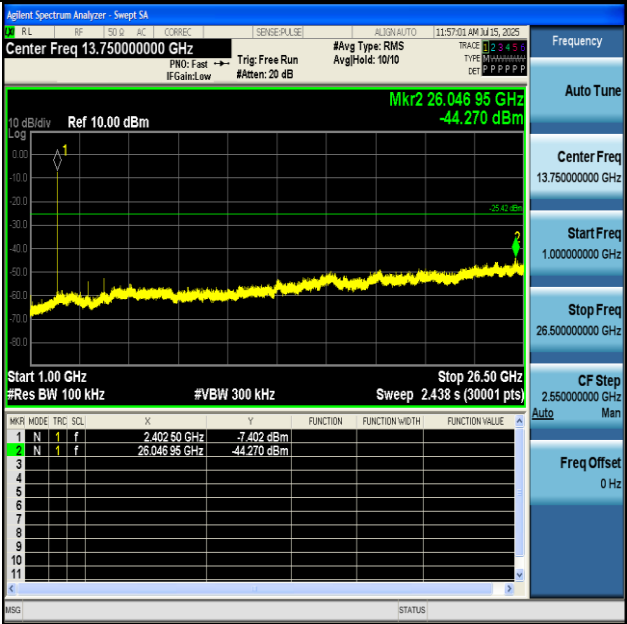
DH5-Ant1-2480-1000~26500-PASS



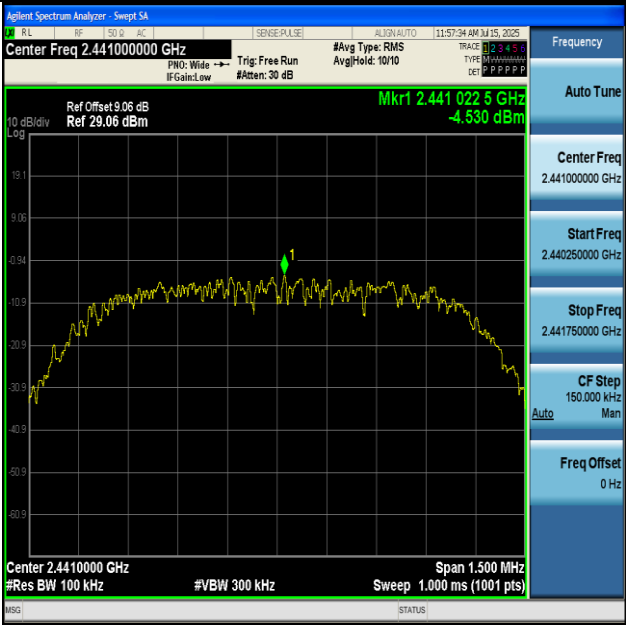
2DH5-Ant1-2402-0~Reference-PASS



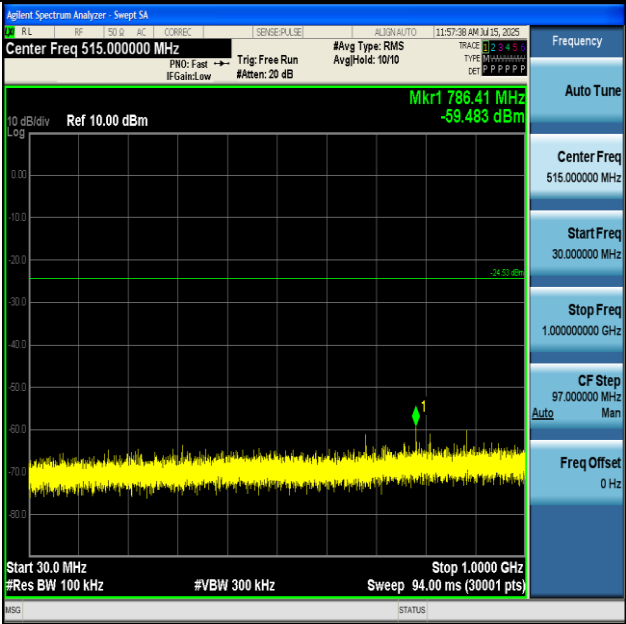
2DH5-Ant1-2402-30~1000-PASS



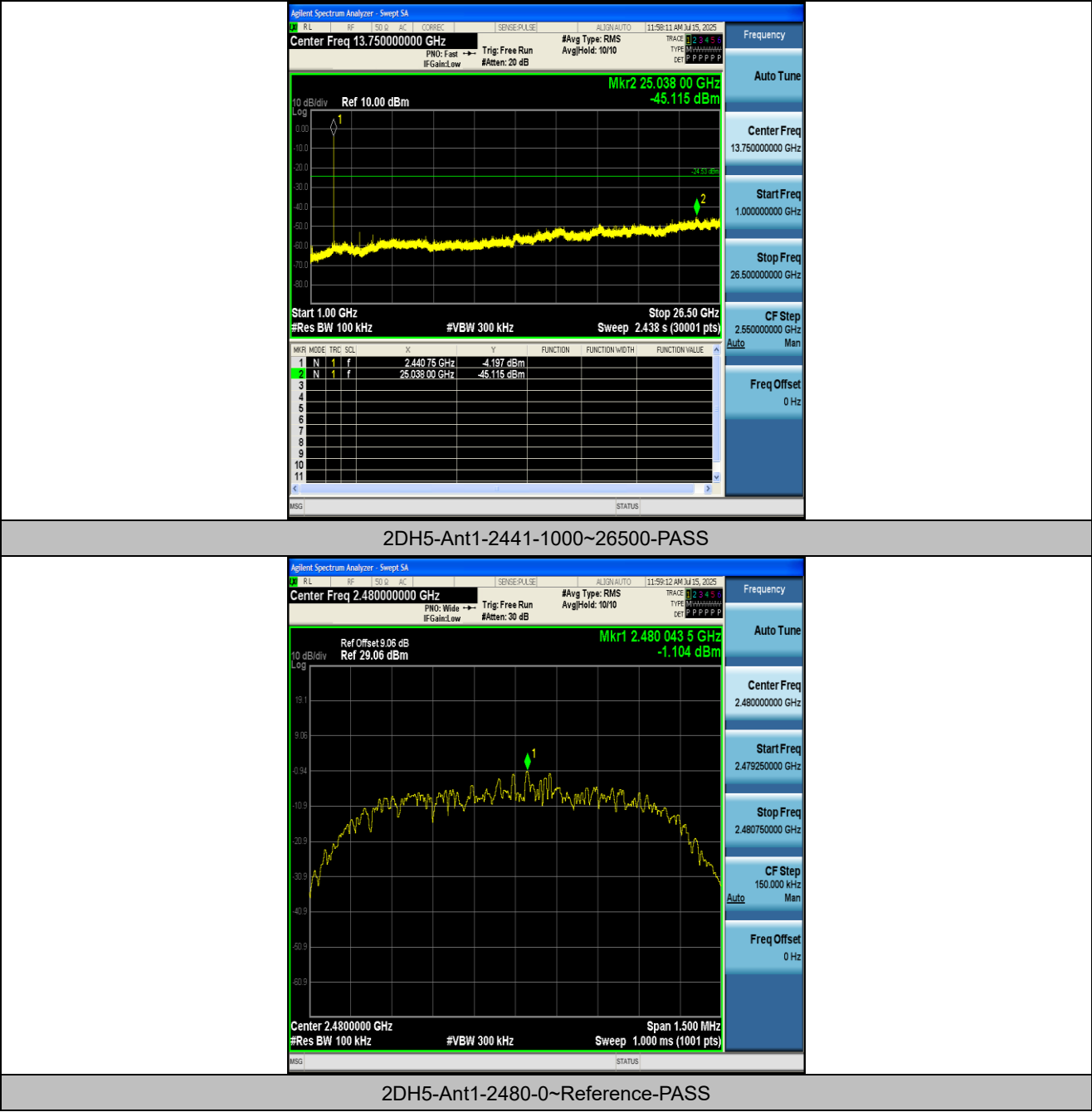
2DH5-Ant1-2402-1000~26500-PASS

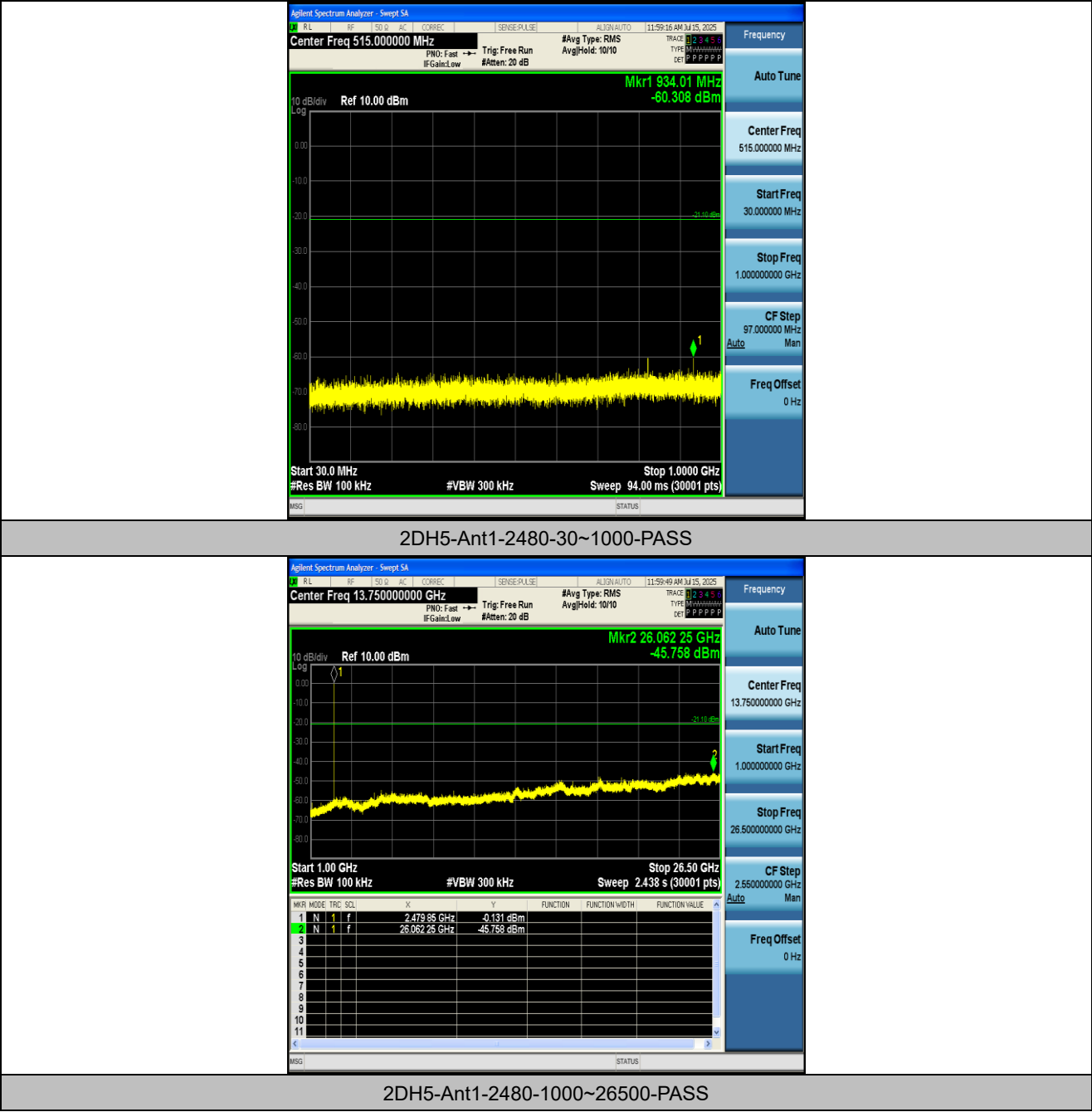


2DH5-Ant1-2441-0~Reference-PASS



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





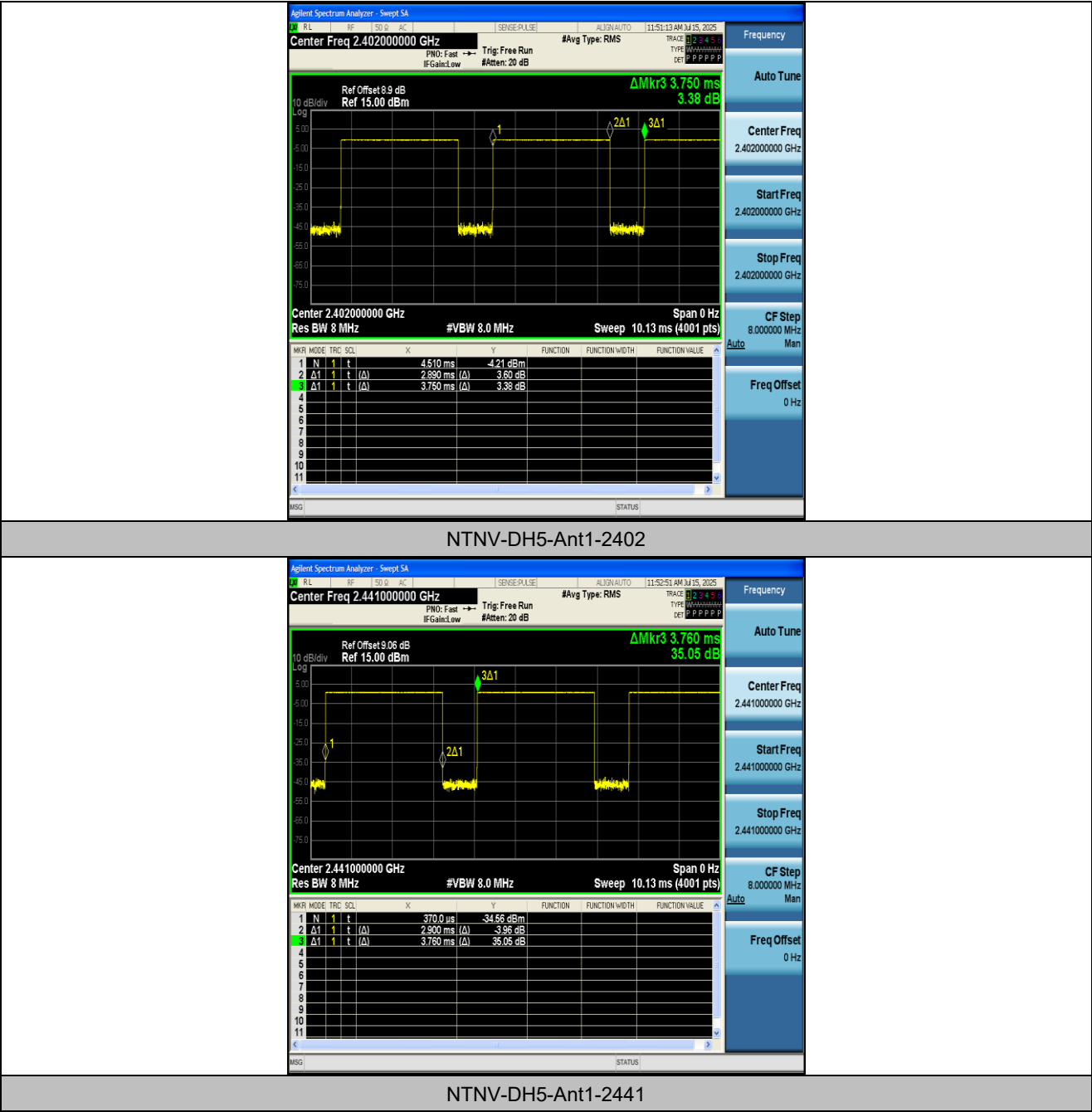
Appendix I: Duty Cycle

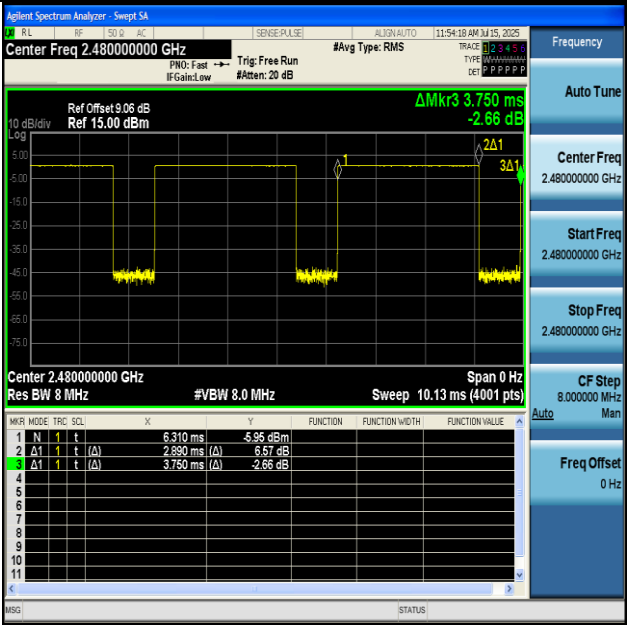
Test Result

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	2.90	3.76	77.13	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	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80	1.15

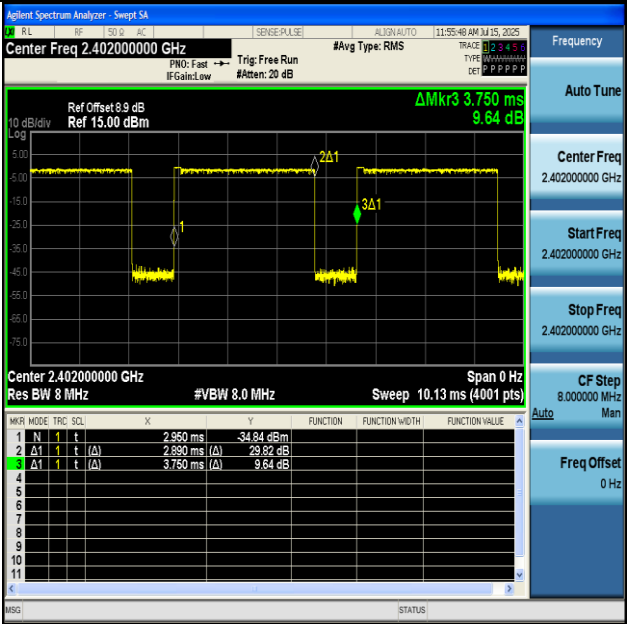
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

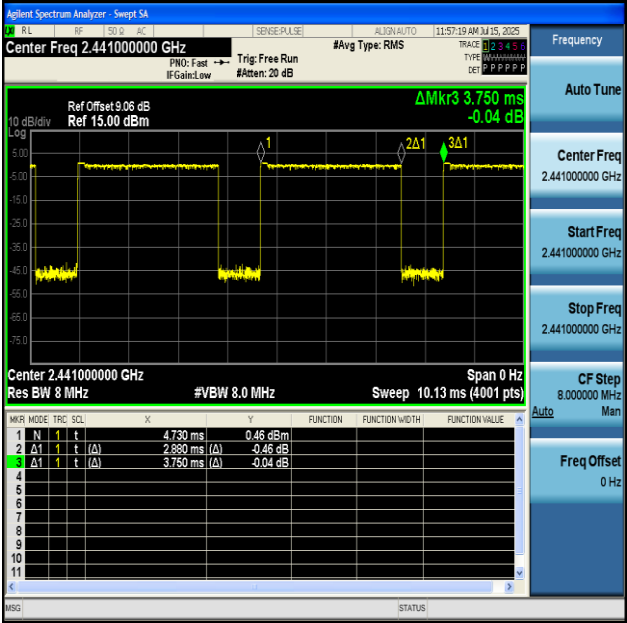




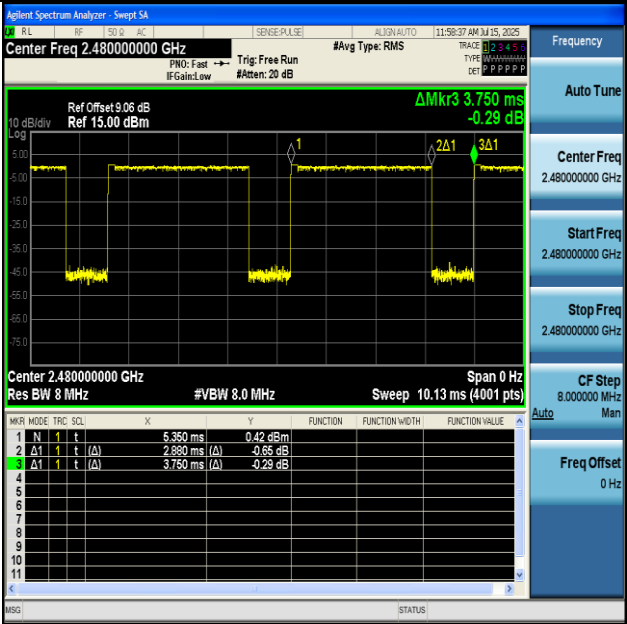
NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480