

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

Product Name: Mini cell phone

Trade Mark: /

Test Model: V9

FCC ID: 2BNQC-V9

Environmental Conditions

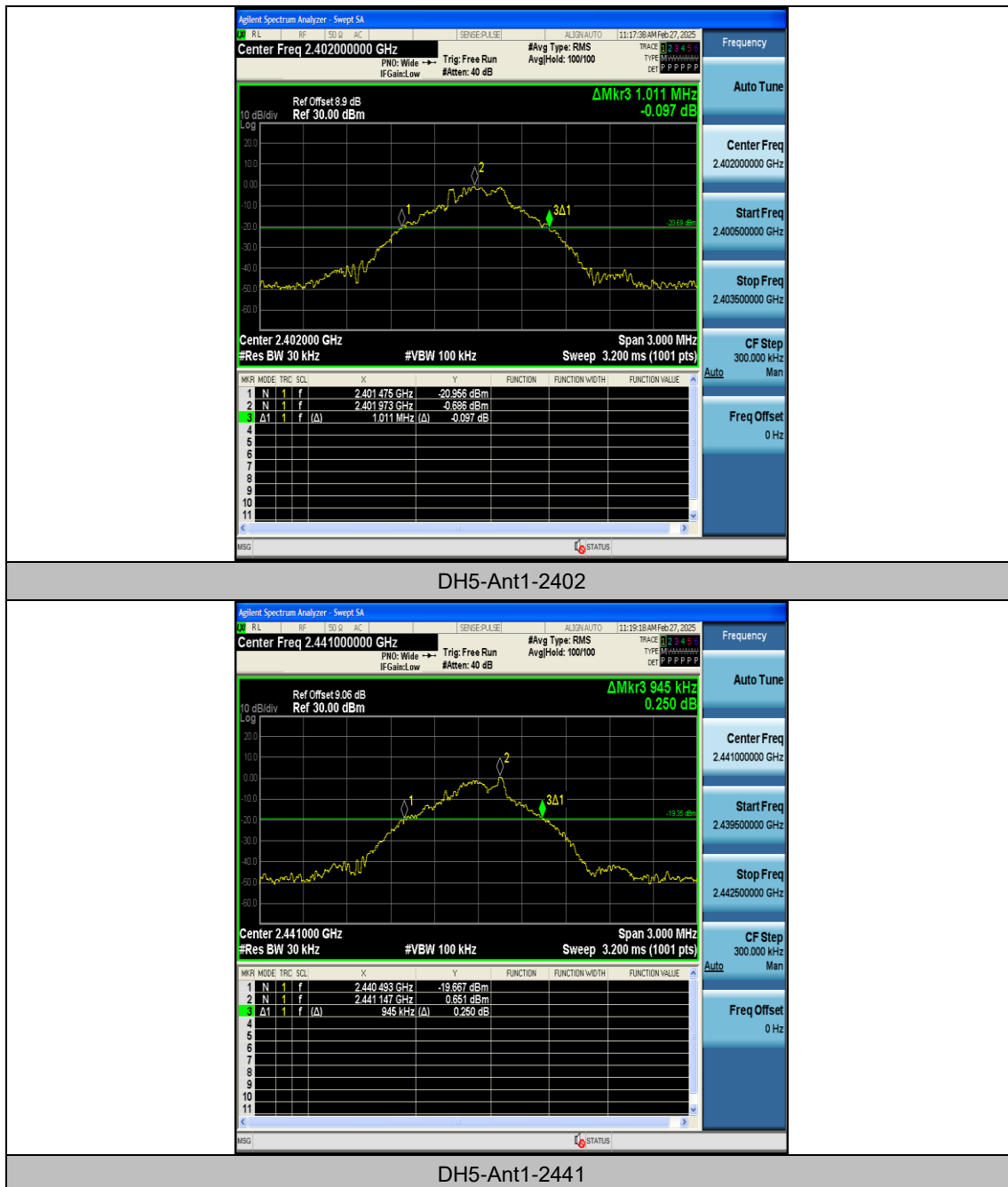
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

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	1.011	2401.475	2402.486	---	---
DH5	Ant1	2441	0.945	2440.493	2441.438	---	---
DH5	Ant1	2480	0.957	2479.484	2480.441	---	---
2DH5	Ant1	2402	1.302	2401.352	2402.654	---	---
2DH5	Ant1	2441	1.320	2440.334	2441.654	---	---
2DH5	Ant1	2480	1.302	2479.346	2480.648	---	---
3DH5	Ant1	2402	1.302	2401.328	2402.630	---	---
3DH5	Ant1	2441	1.308	2440.322	2441.630	---	---
3DH5	Ant1	2480	1.299	2479.325	2480.624	---	---

Test Graphs





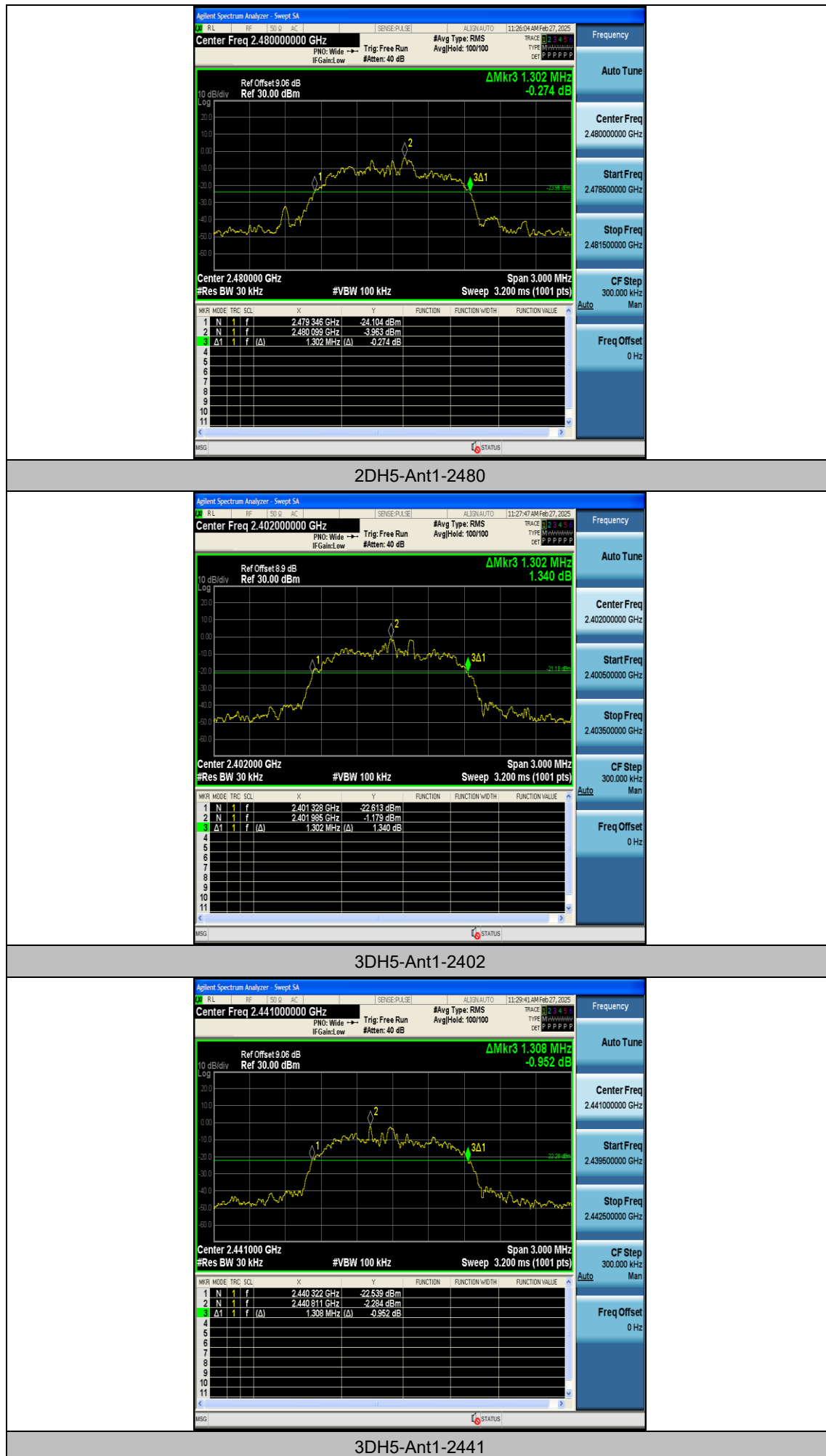
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441



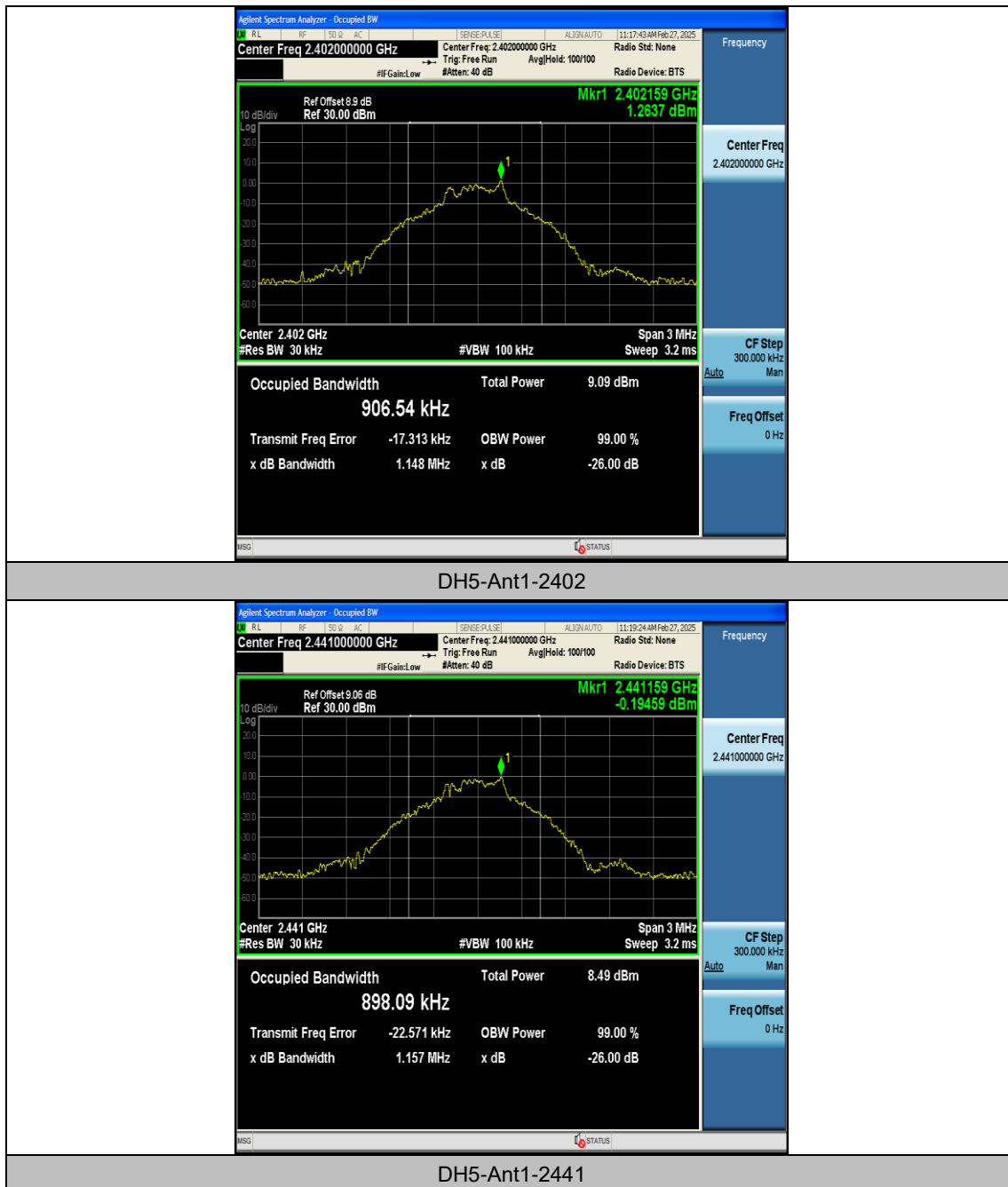


Appendix B: Occupied Channel Bandwidth

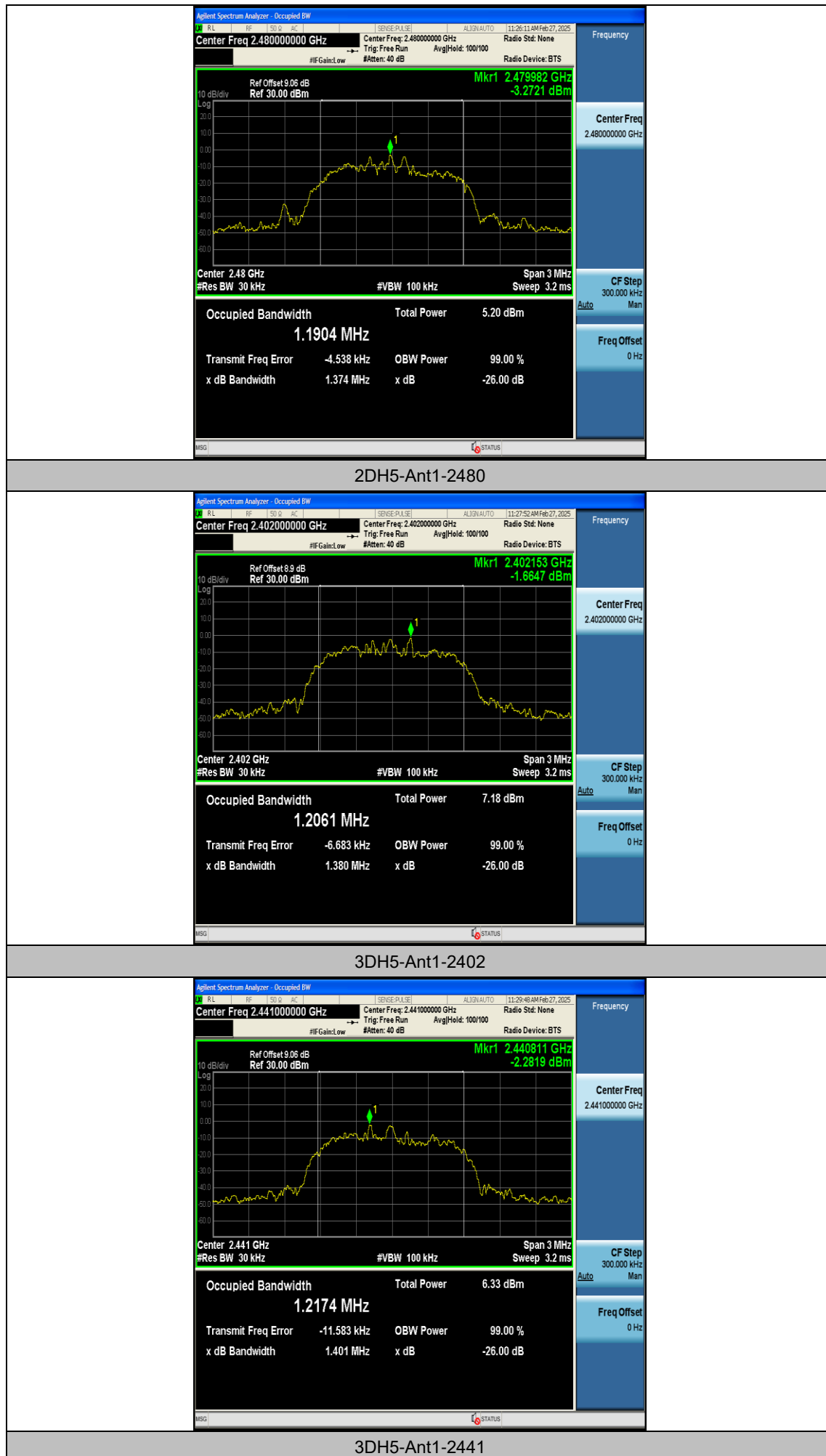
Test Result

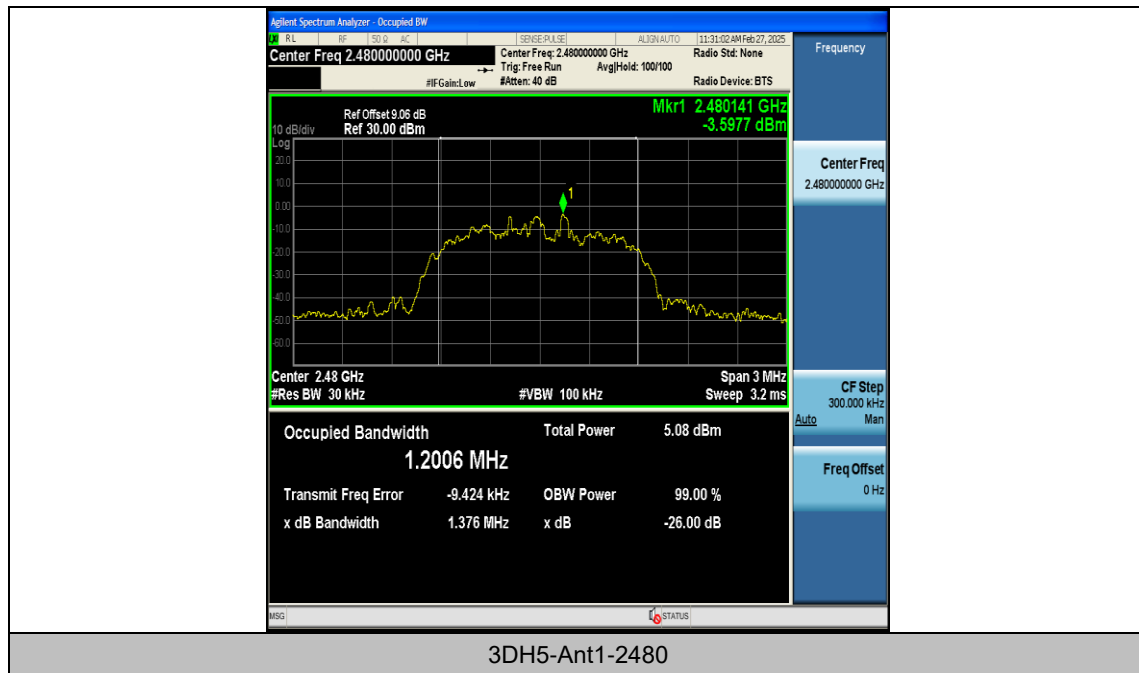
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.90654	2401.5294	2402.4360	---	---
DH5	Ant1	2441	0.89809	2440.5284	2441.4265	---	---
DH5	Ant1	2480	0.92486	2479.5111	2480.4360	---	---
2DH5	Ant1	2402	1.1907	2401.4022	2402.5929	---	---
2DH5	Ant1	2441	1.1913	2440.4000	2441.5913	---	---
2DH5	Ant1	2480	1.1904	2479.4003	2480.5907	---	---
3DH5	Ant1	2402	1.2061	2401.3903	2402.5964	---	---
3DH5	Ant1	2441	1.2174	2440.3797	2441.5971	---	---
3DH5	Ant1	2480	1.2006	2479.3903	2480.5909	---	---

Test Graphs







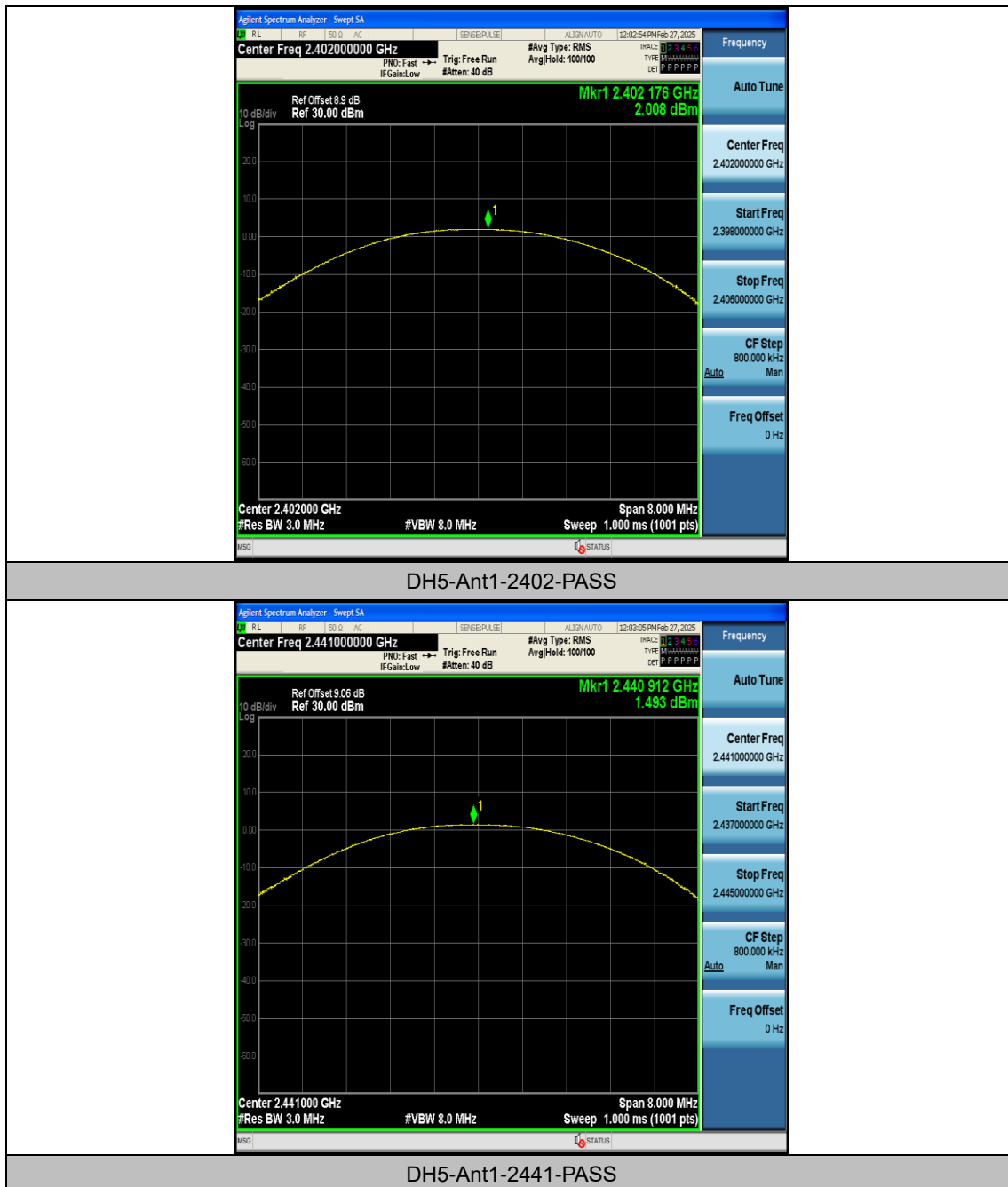


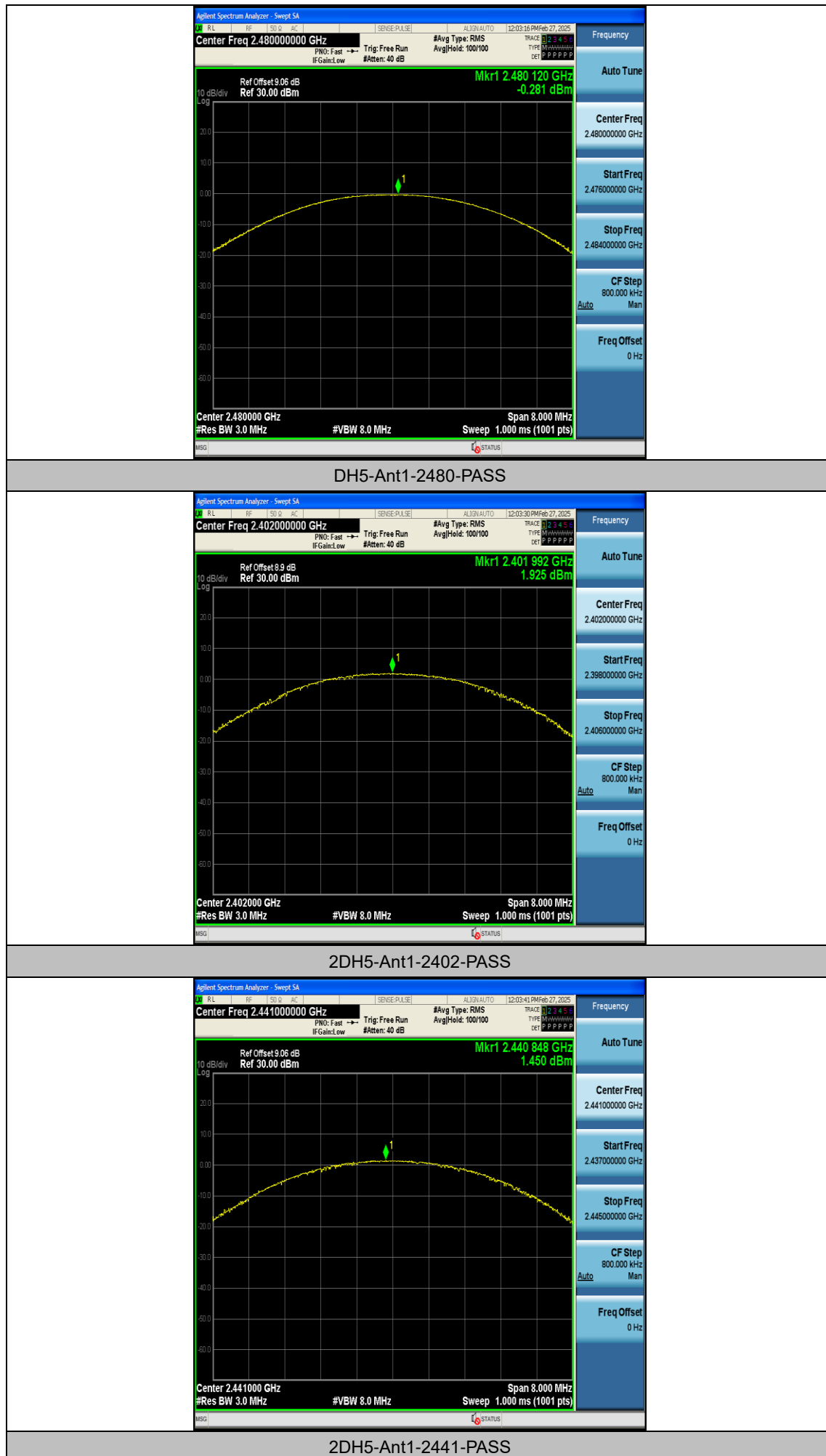
Appendix C: Maximum peak conducted output power

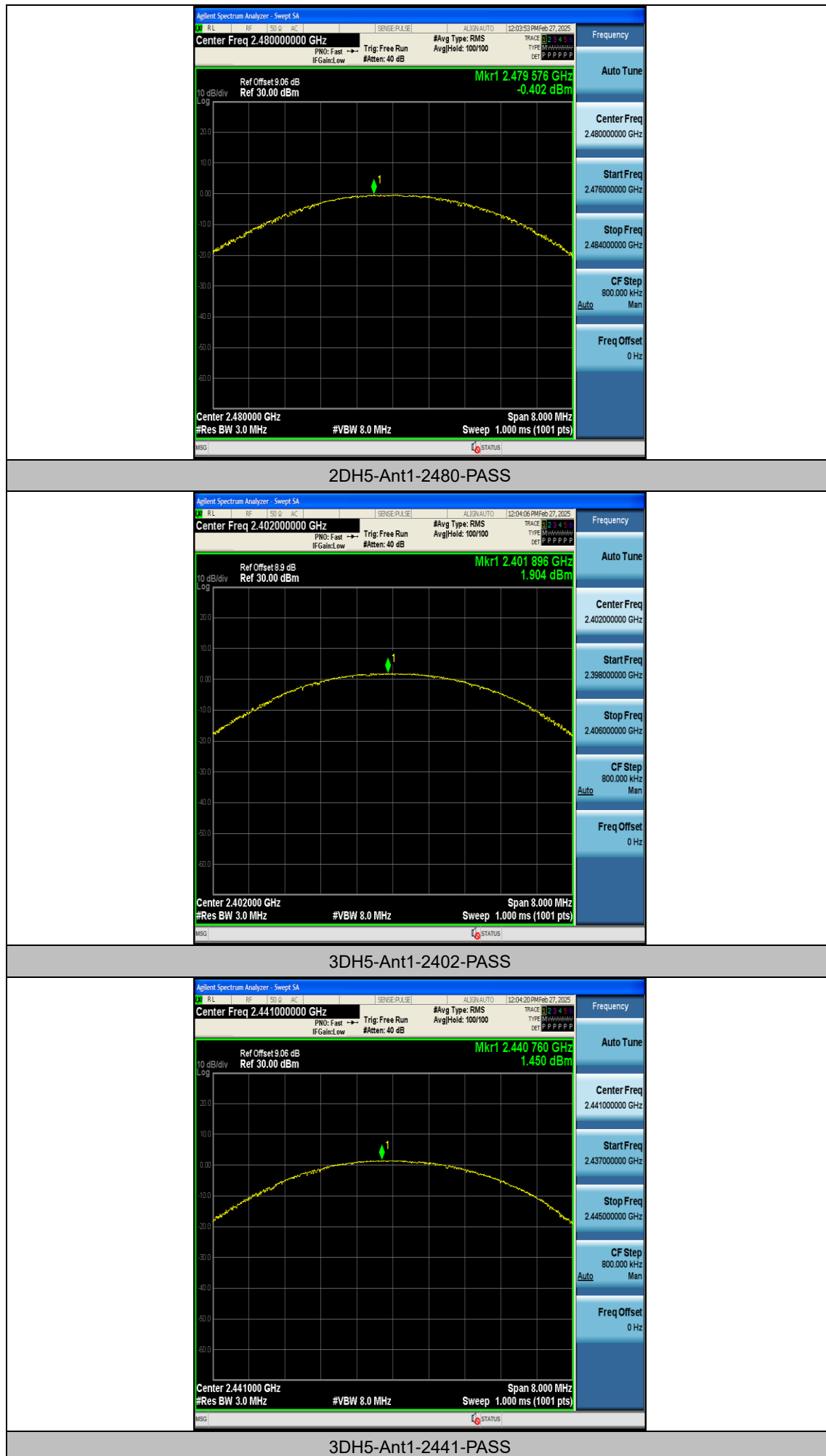
Test Result

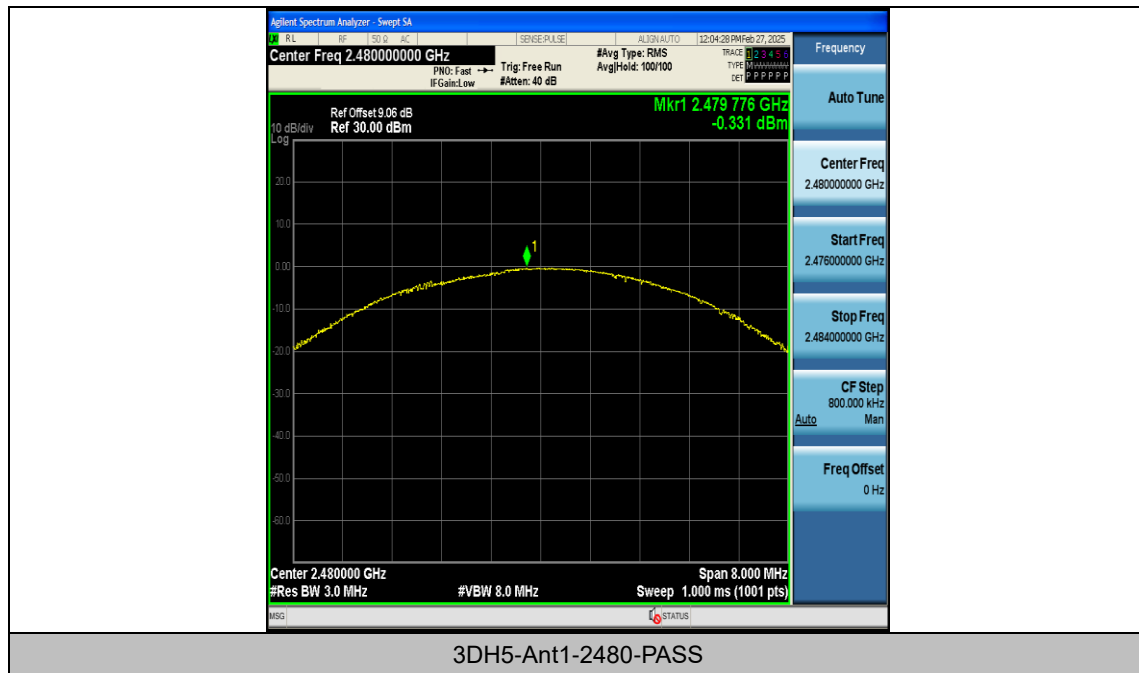
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	2.01	≤20.97	PASS
DH5	Ant1	2441	1.49	≤20.97	PASS
DH5	Ant1	2480	-0.28	≤20.97	PASS
2DH5	Ant1	2402	1.93	≤20.97	PASS
2DH5	Ant1	2441	1.45	≤20.97	PASS
2DH5	Ant1	2480	-0.40	≤20.97	PASS
3DH5	Ant1	2402	1.90	≤20.97	PASS
3DH5	Ant1	2441	1.45	≤20.97	PASS
3DH5	Ant1	2480	-0.33	≤20.97	PASS

Test Graphs









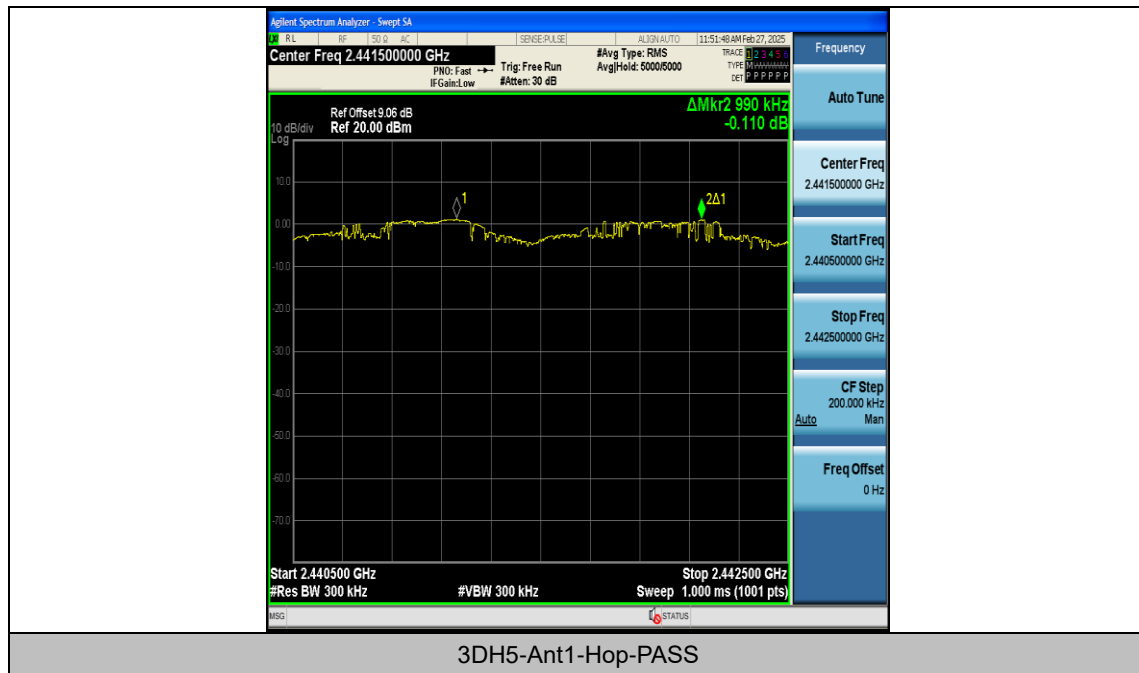
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.674	PASS
2DH5	Ant1	Hop	0.936	≥ 0.880	PASS
3DH5	Ant1	Hop	0.99	≥ 0.872	PASS

Test Graphs



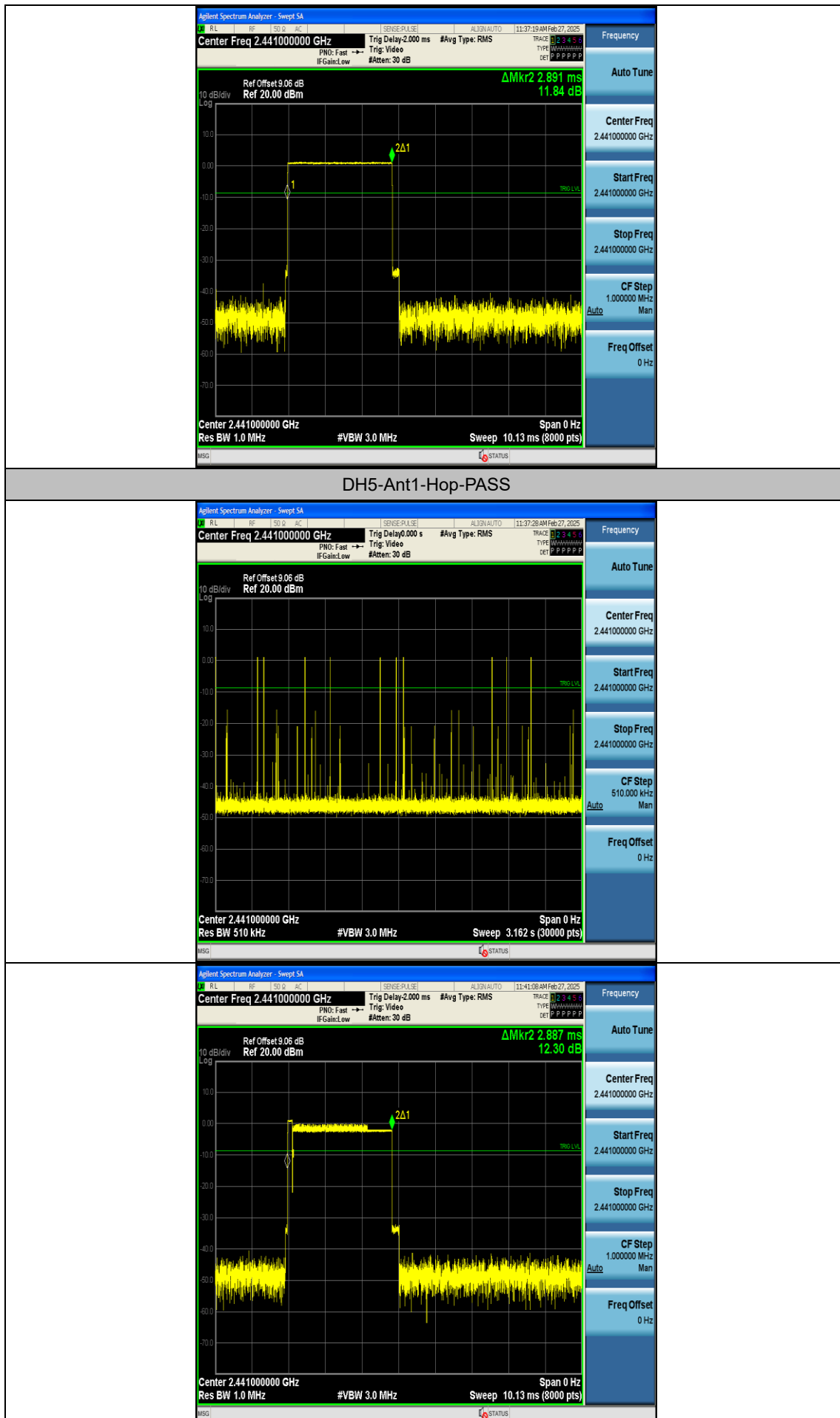


Appendix E: Time of occupancy

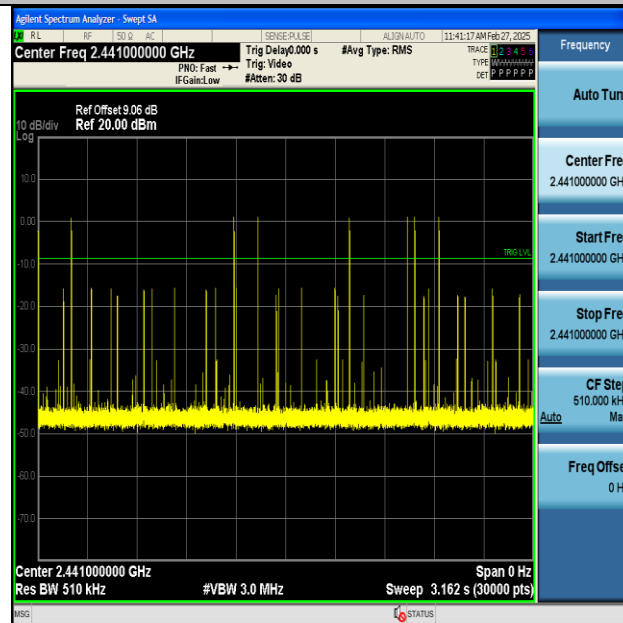
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.891	110	0.318	≤0.4	PASS
2DH5	Ant1	Hop	2.887	80	0.231	≤0.4	PASS
3DH5	Ant1	Hop	2.887	110	0.318	≤0.4	PASS

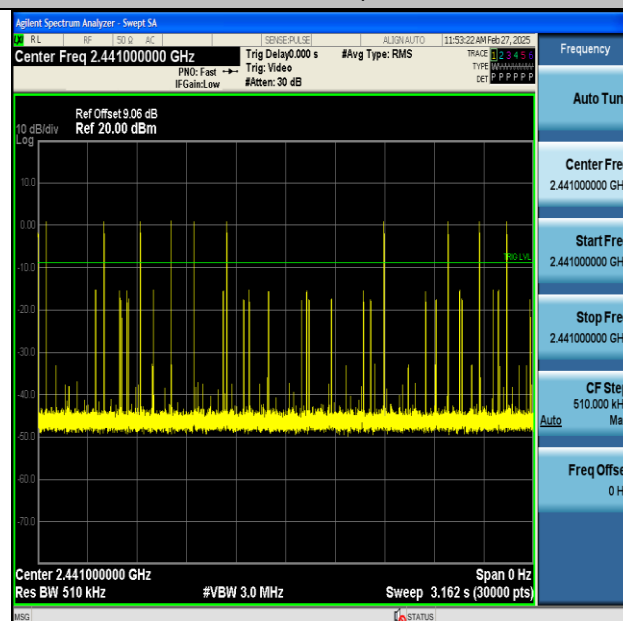
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

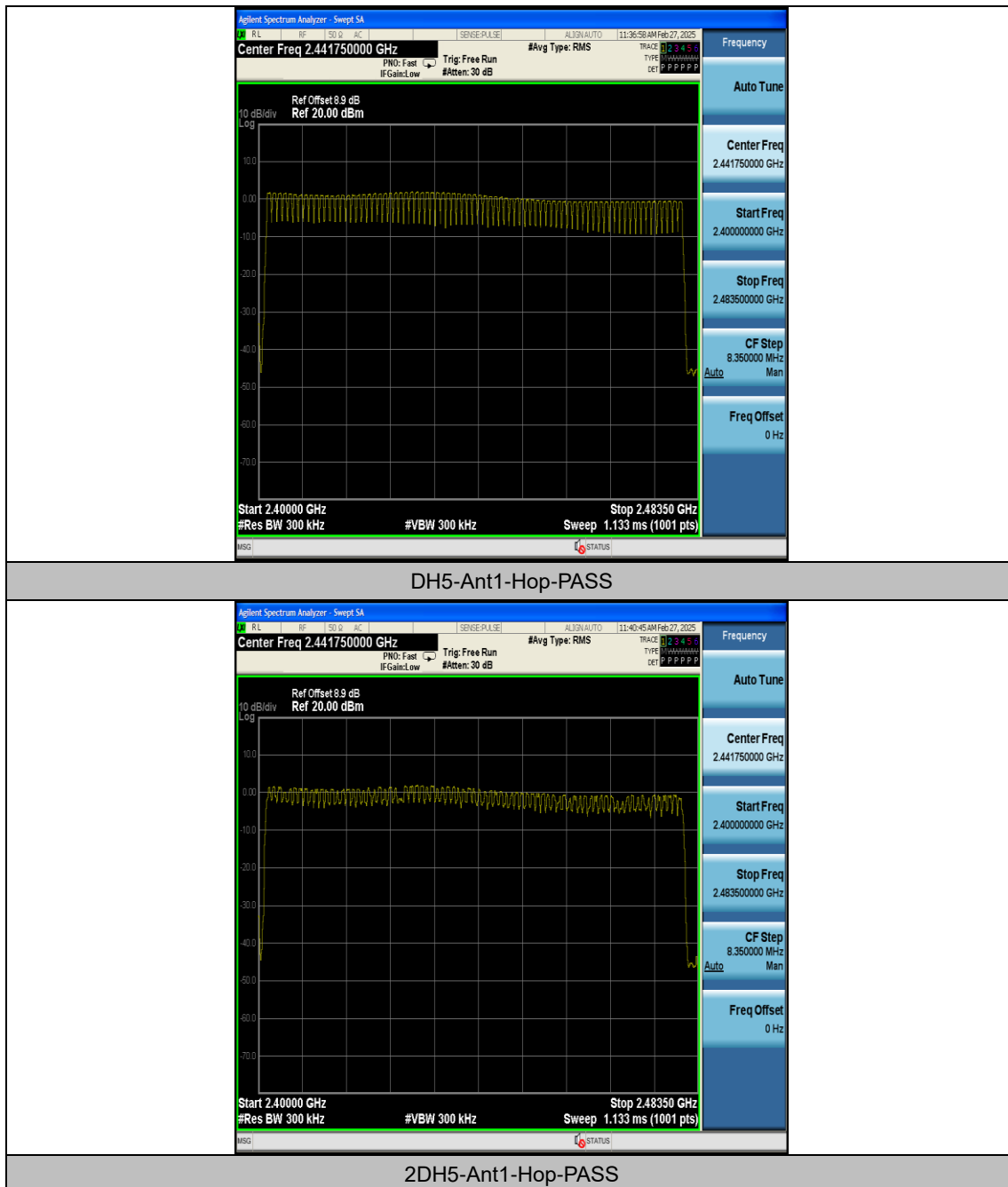


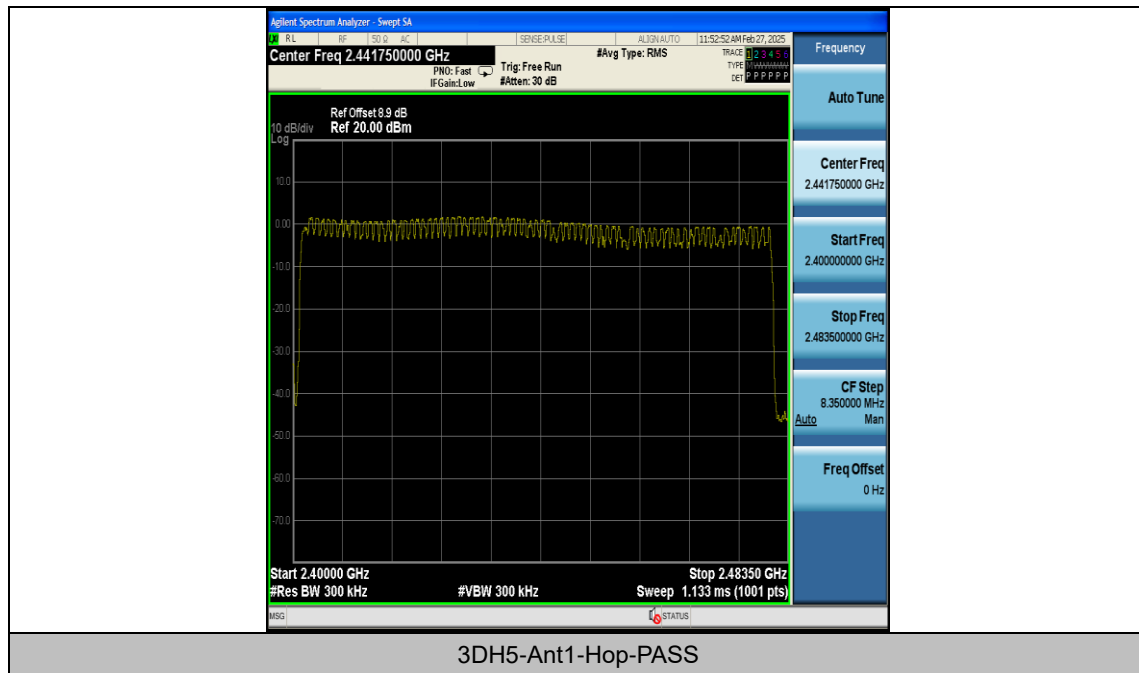
Appendix F: Number of hopping channels

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

Test Graphs



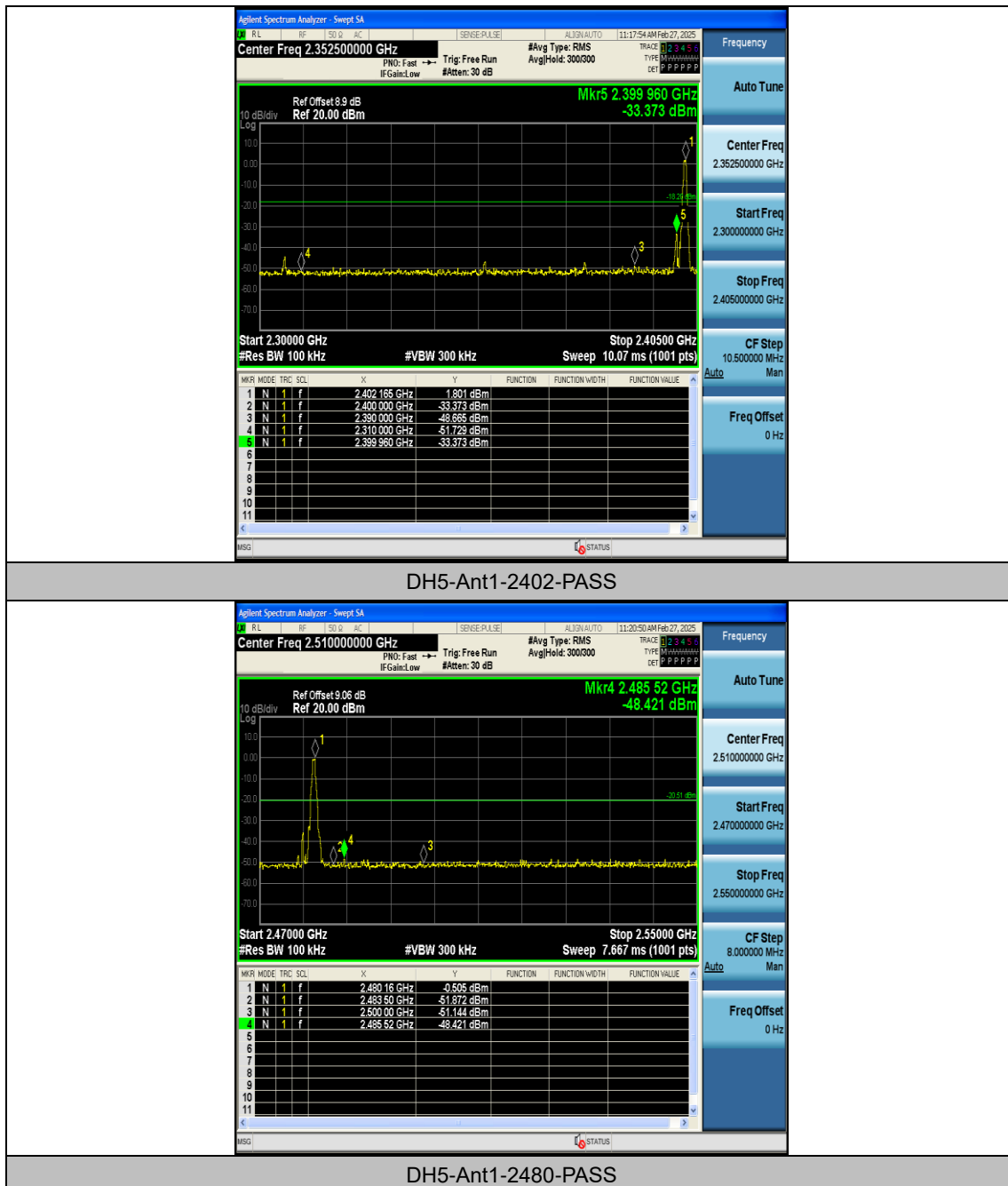


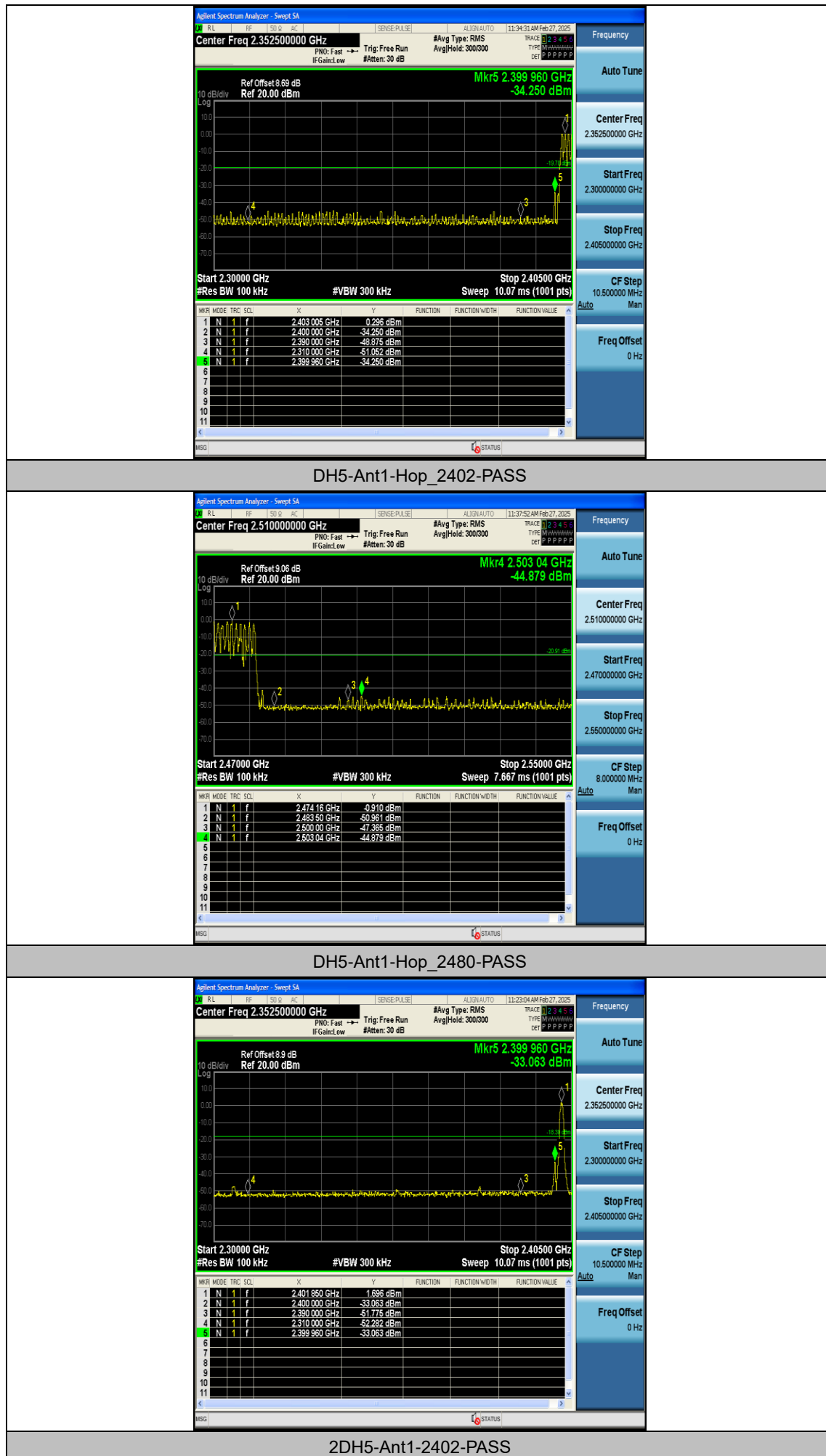
Appendix G: Band edge measurements

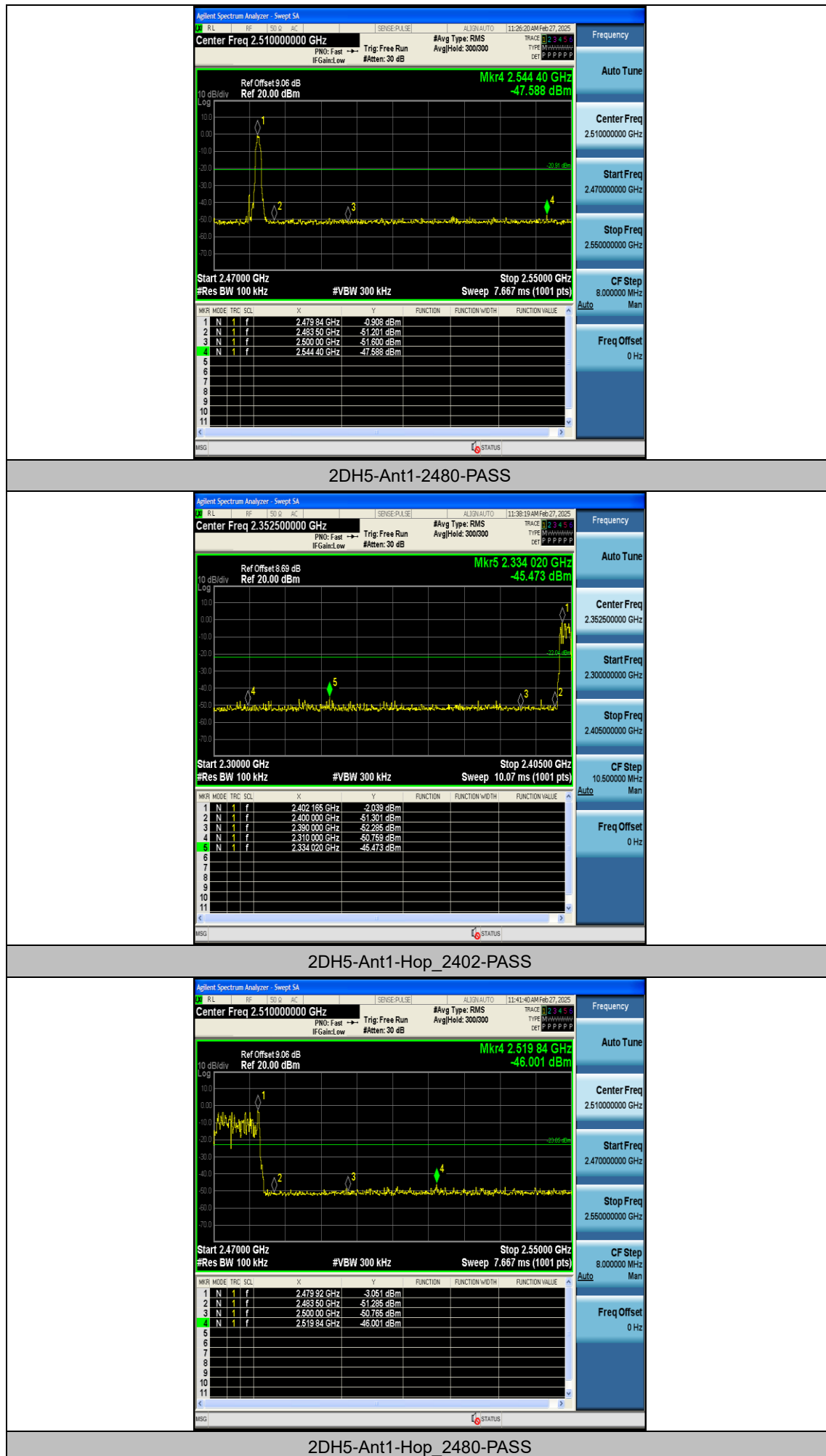
Test Result

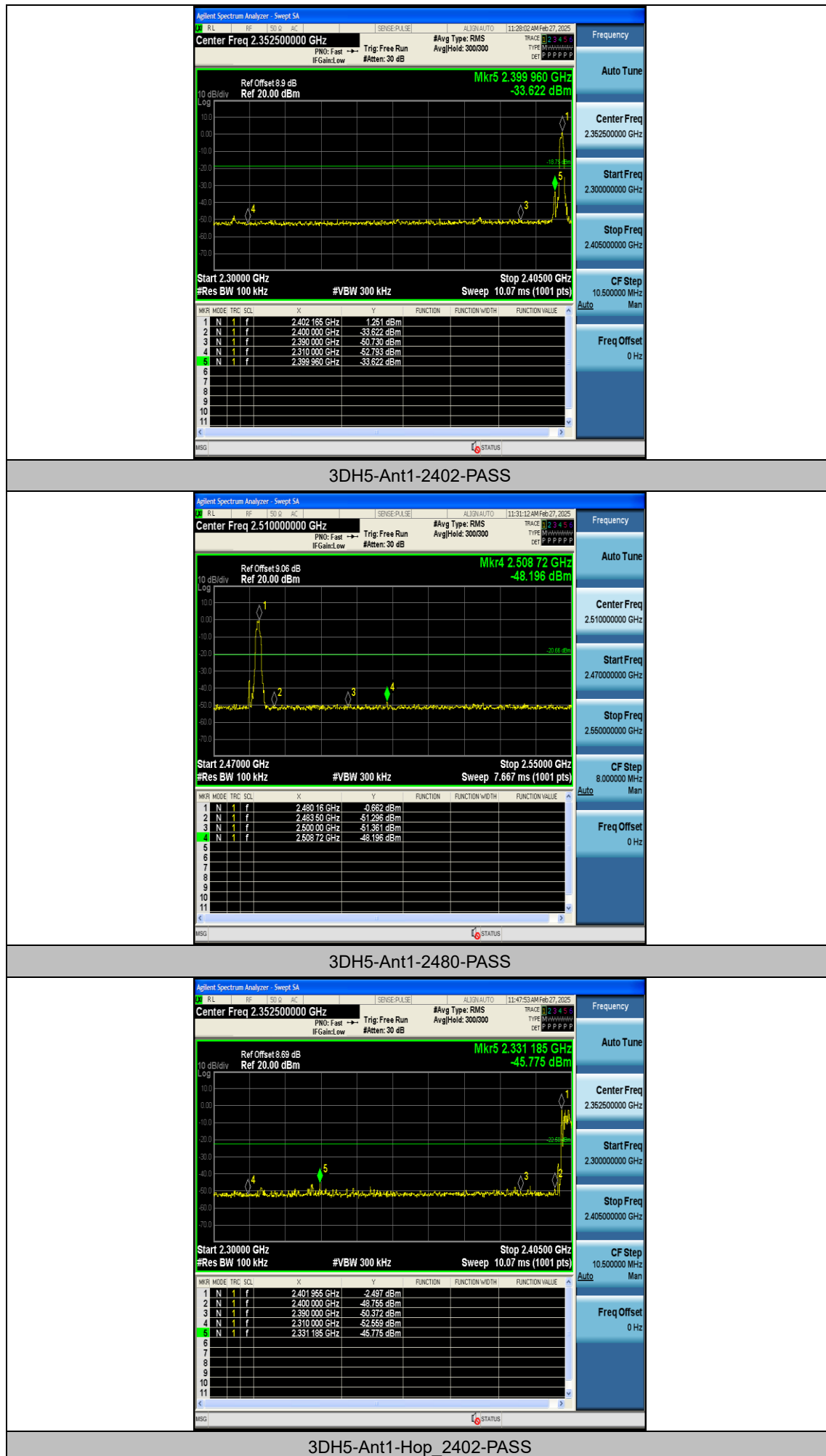
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.80	-33.37	≤ -18.2	PASS
DH5	Ant1	High	2480	-0.51	-48.42	≤ -20.51	PASS
DH5	Ant1	Low	Hop_2402	0.30	-34.25	≤ -19.7	PASS
DH5	Ant1	High	Hop_2480	-0.91	-44.88	≤ -20.91	PASS
2DH5	Ant1	Low	2402	1.70	-33.06	≤ -18.3	PASS
2DH5	Ant1	High	2480	-0.91	-47.59	≤ -20.91	PASS
2DH5	Ant1	Low	Hop_2402	-2.04	-45.47	≤ -22.04	PASS
2DH5	Ant1	High	Hop_2480	-3.05	-46	≤ -23.05	PASS
3DH5	Ant1	Low	2402	1.25	-33.62	≤ -18.75	PASS
3DH5	Ant1	High	2480	-0.66	-48.2	≤ -20.66	PASS
3DH5	Ant1	Low	Hop_2402	-2.50	-45.78	≤ -22.5	PASS
3DH5	Ant1	High	Hop_2480	-4.48	-46	≤ -24.48	PASS

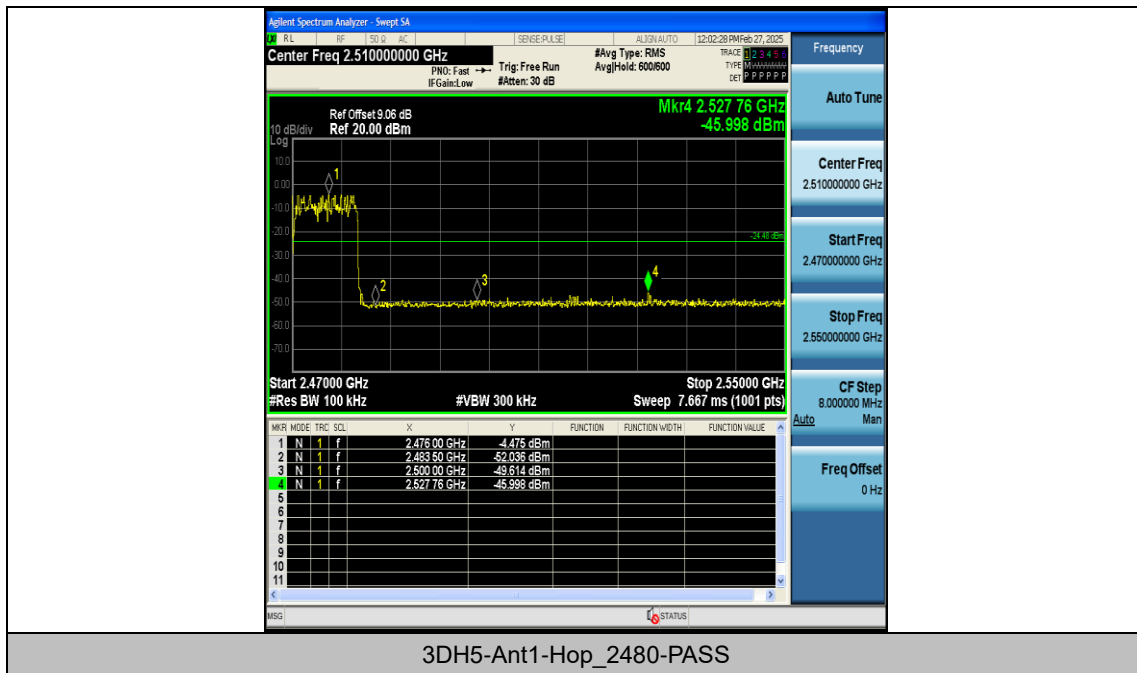
Test Graphs









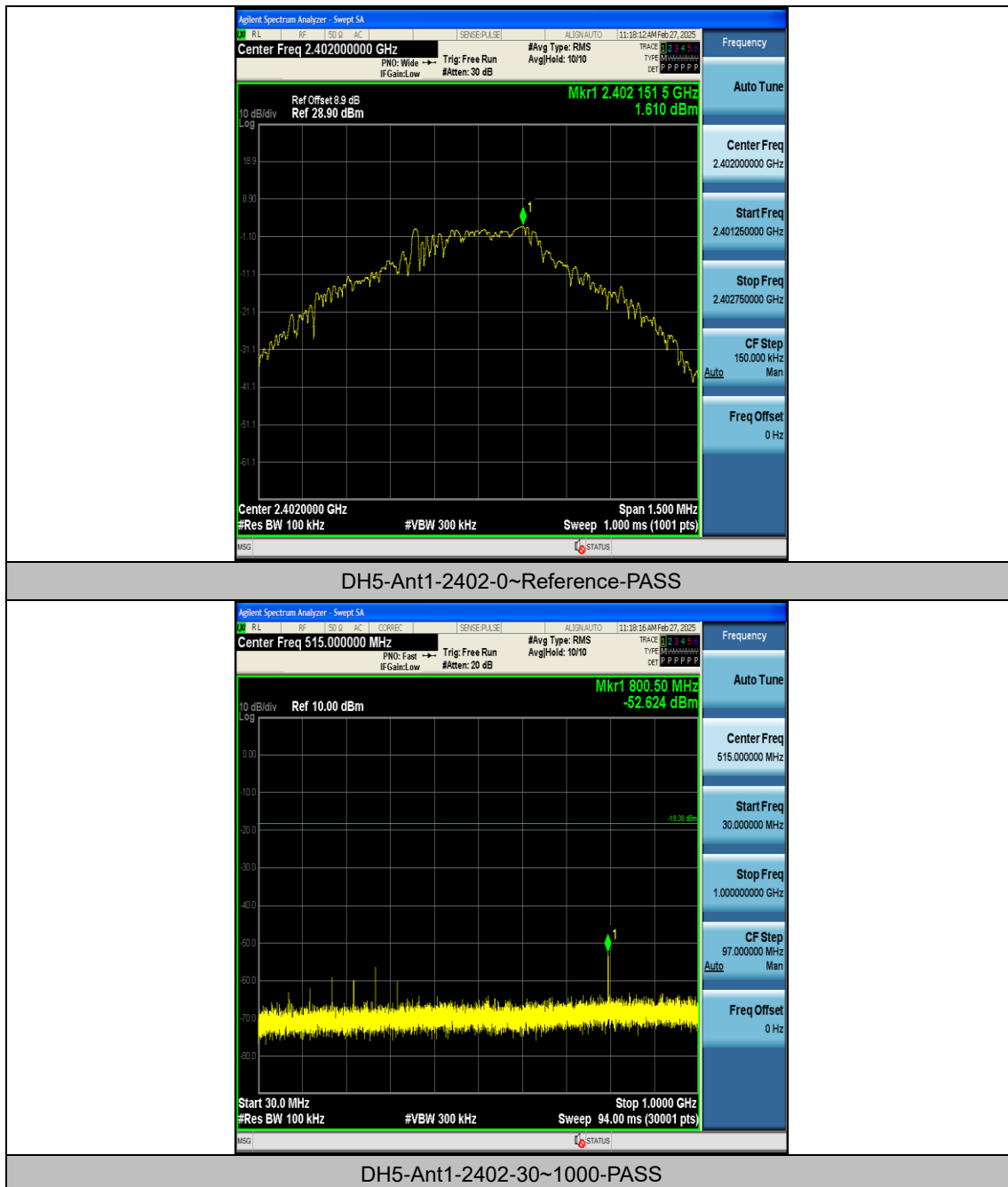


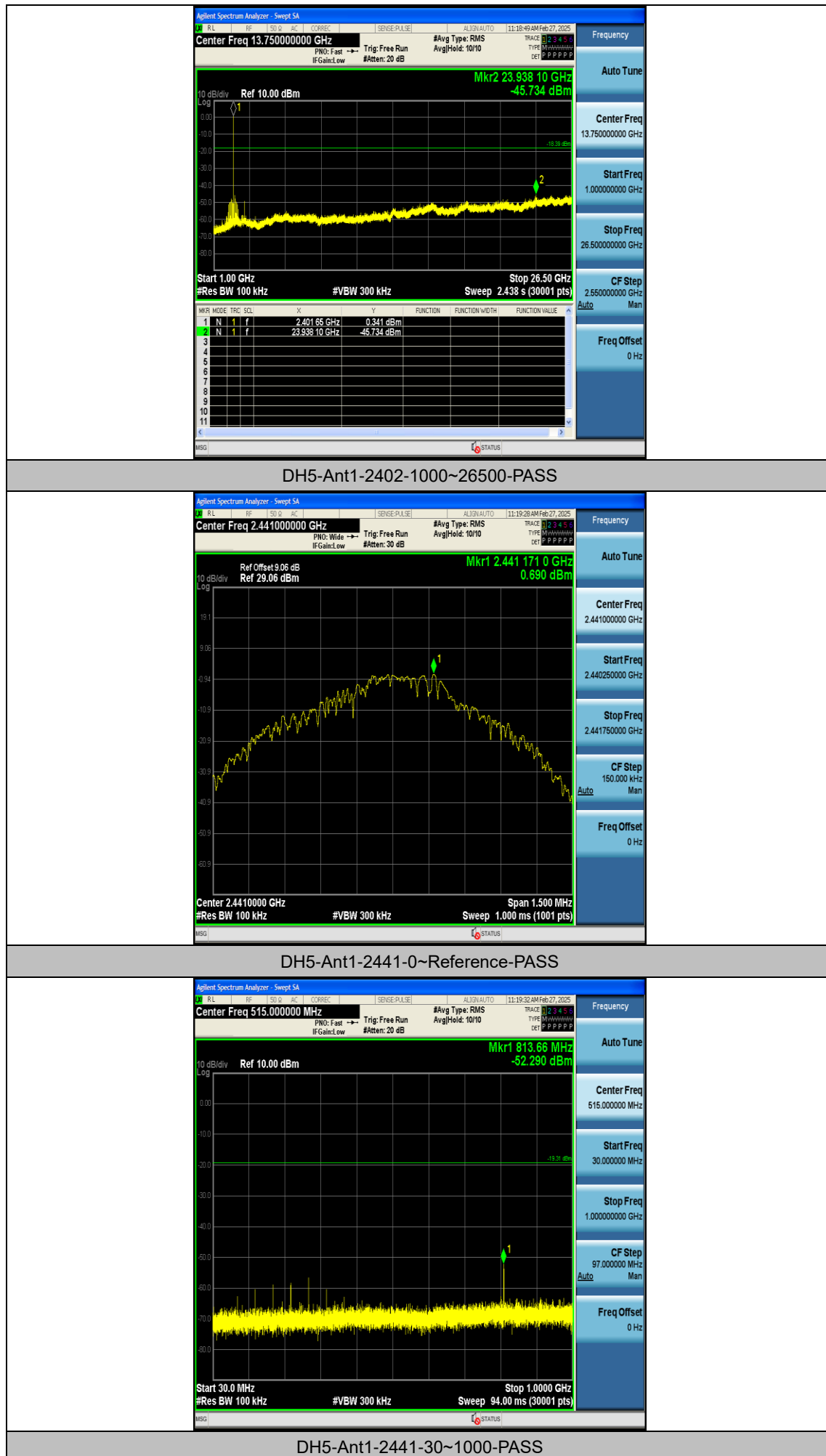
Appendix H: Conducted Spurious Emission

Test Result

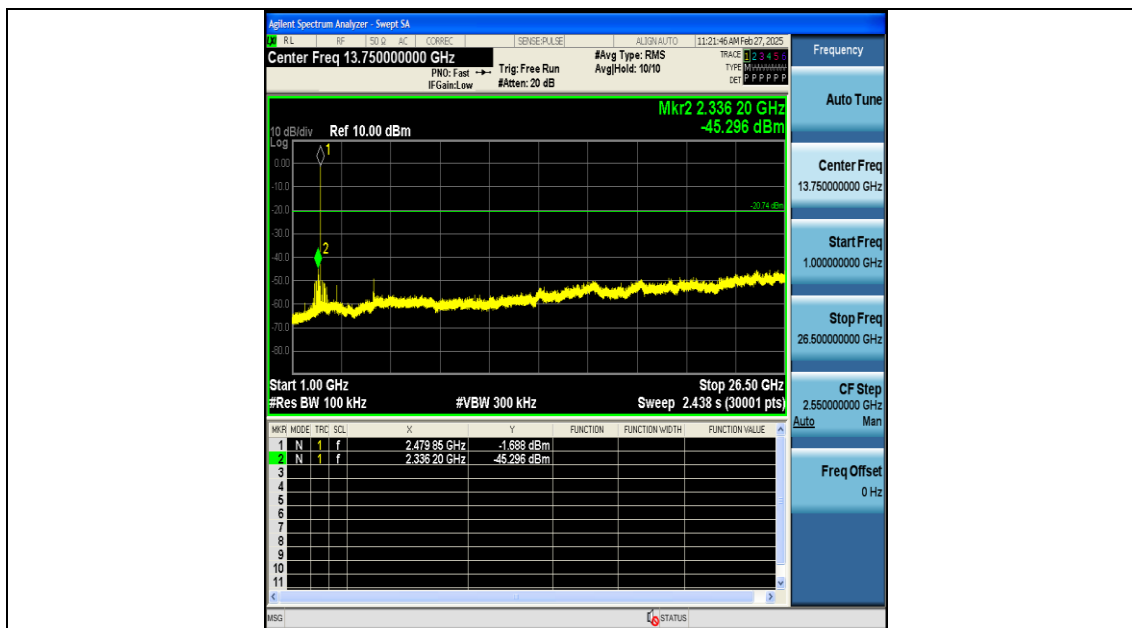
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	1.61	1.61	---	PASS
DH5	Ant1	2402	30~1000	1.61	-52.62	≤-18.39	PASS
DH5	Ant1	2402	1000~26500	1.61	-45.73	≤-18.39	PASS
DH5	Ant1	2441	0~Reference	0.69	0.69	---	PASS
DH5	Ant1	2441	30~1000	0.69	-52.29	≤-19.31	PASS
DH5	Ant1	2441	1000~26500	0.69	-45.41	≤-19.31	PASS
DH5	Ant1	2480	0~Reference	-0.74	-0.74	---	PASS
DH5	Ant1	2480	30~1000	-0.74	-57.17	≤-20.74	PASS
DH5	Ant1	2480	1000~26500	-0.74	-45.3	≤-20.74	PASS
2DH5	Ant1	2402	0~Reference	1.47	1.47	---	PASS
2DH5	Ant1	2402	30~1000	1.47	-54.48	≤-18.53	PASS
2DH5	Ant1	2402	1000~26500	1.47	-45.78	≤-18.53	PASS
2DH5	Ant1	2441	0~Reference	1.05	1.05	---	PASS
2DH5	Ant1	2441	30~1000	1.05	-55.15	≤-18.95	PASS
2DH5	Ant1	2441	1000~26500	1.05	-44.68	≤-18.95	PASS
2DH5	Ant1	2480	0~Reference	-0.81	-0.81	---	PASS
2DH5	Ant1	2480	30~1000	-0.81	-57.34	≤-20.81	PASS
2DH5	Ant1	2480	1000~26500	-0.81	-45.23	≤-20.81	PASS
3DH5	Ant1	2402	0~Reference	-2.25	-2.25	---	PASS
3DH5	Ant1	2402	30~1000	-2.25	-54.31	≤-22.25	PASS
3DH5	Ant1	2402	1000~26500	-2.25	-45.17	≤-22.25	PASS
3DH5	Ant1	2441	0~Reference	1.11	1.11	---	PASS
3DH5	Ant1	2441	30~1000	1.11	-57.39	≤-18.89	PASS
3DH5	Ant1	2441	1000~26500	1.11	-44.96	≤-18.89	PASS
3DH5	Ant1	2480	0~Reference	-0.68	-0.68	---	PASS
3DH5	Ant1	2480	30~1000	-0.68	-56.83	≤-20.68	PASS
3DH5	Ant1	2480	1000~26500	-0.68	-45.34	≤-20.68	PASS

Test Graphs

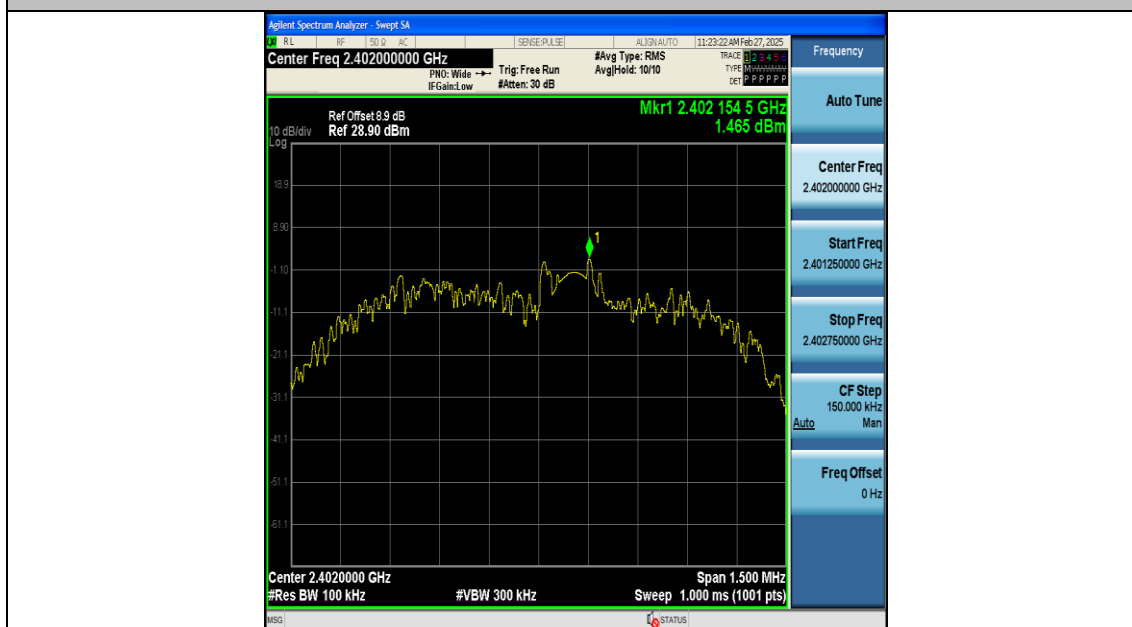




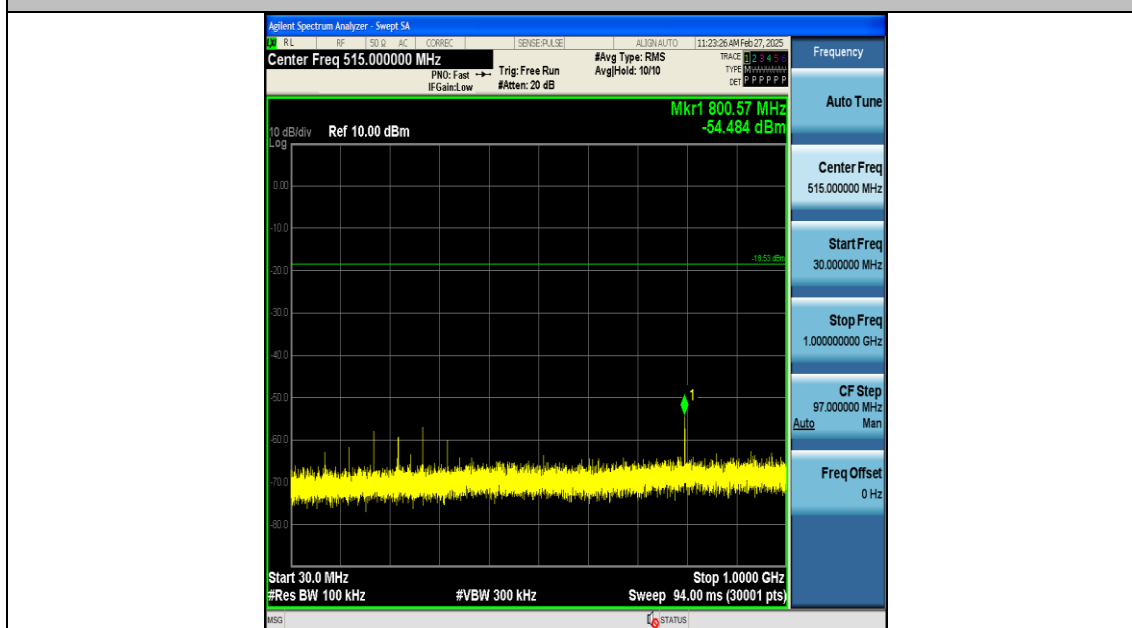




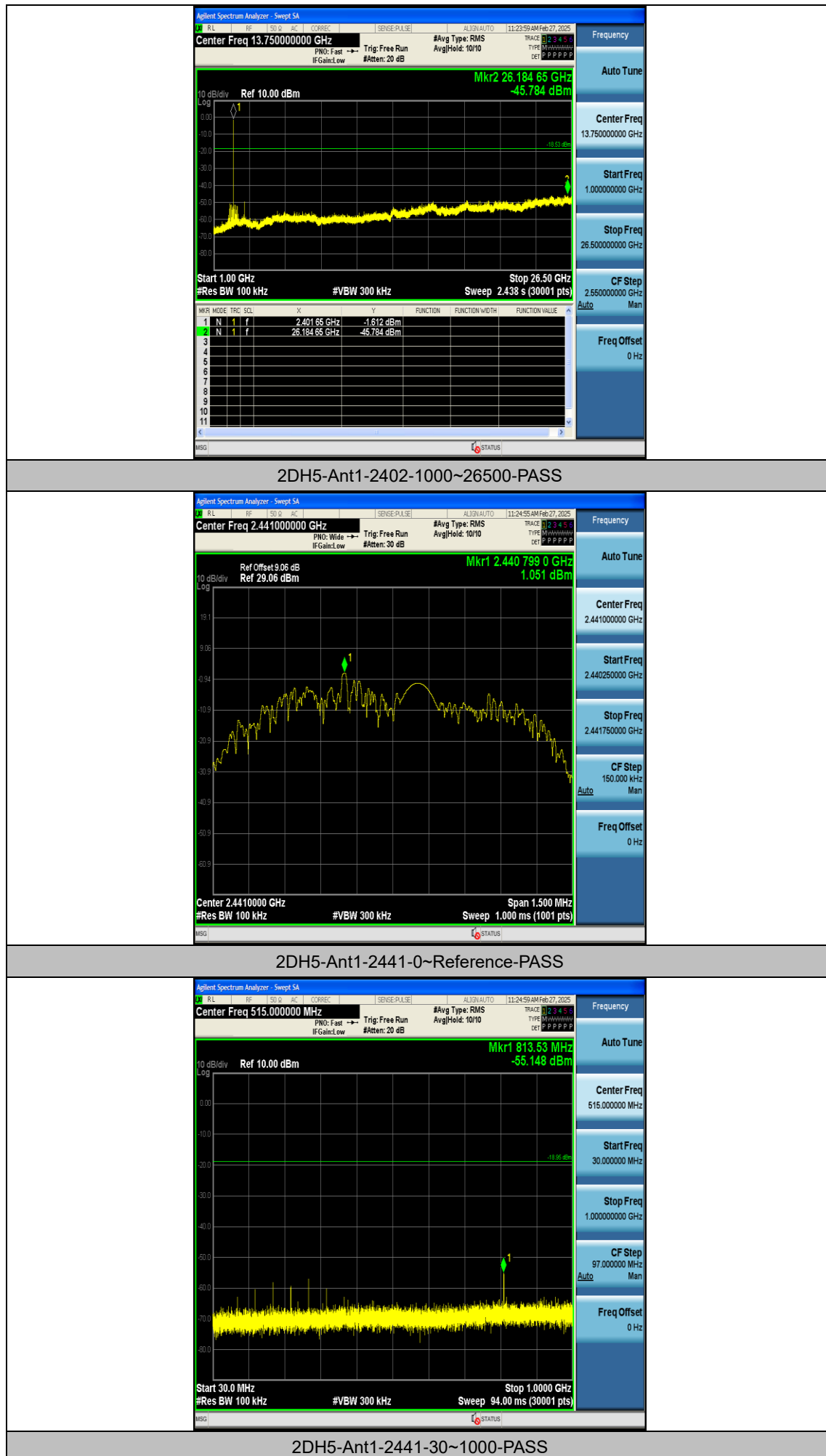
DH5-Ant1-2480-1000~26500-PASS

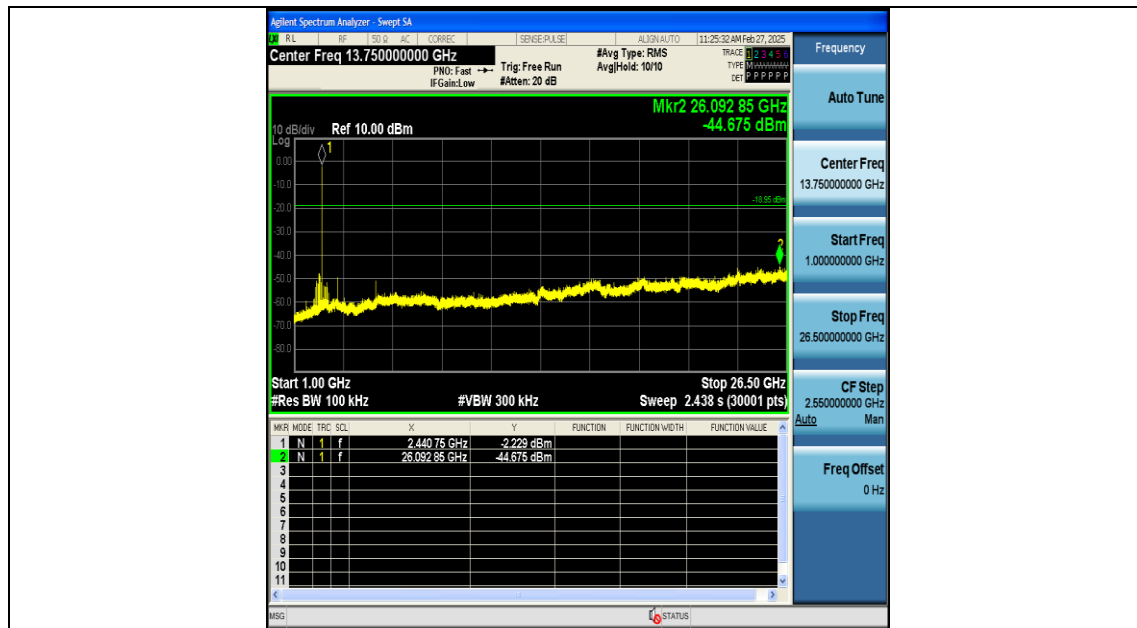


2DH5-Ant1-2402-0~Reference-PASS

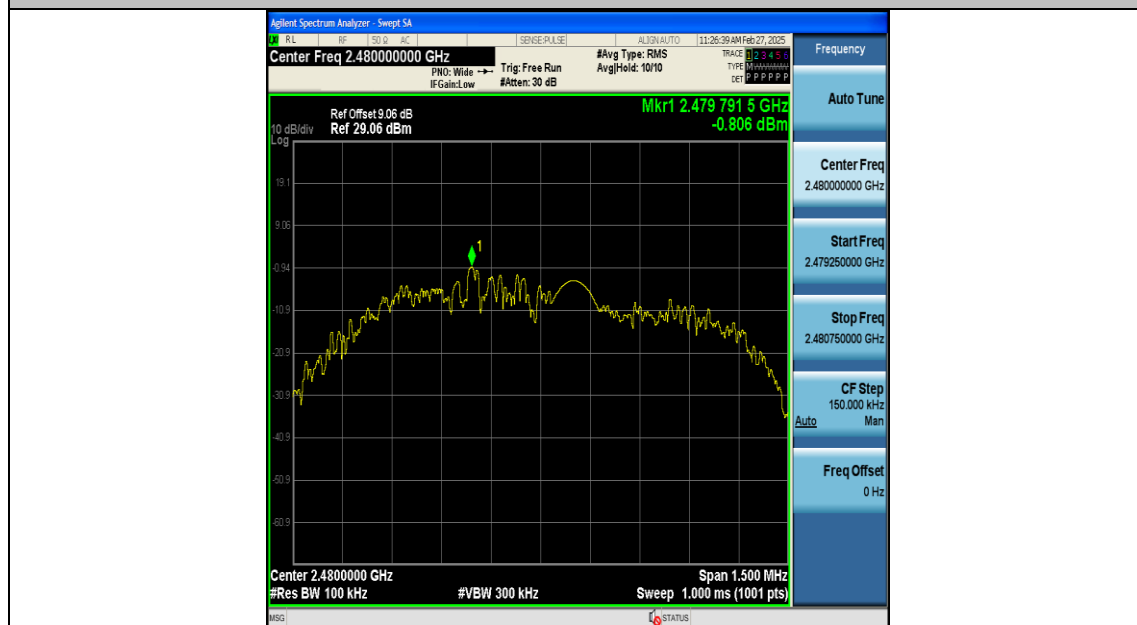


2DH5-Ant1-2402-30~1000-PASS

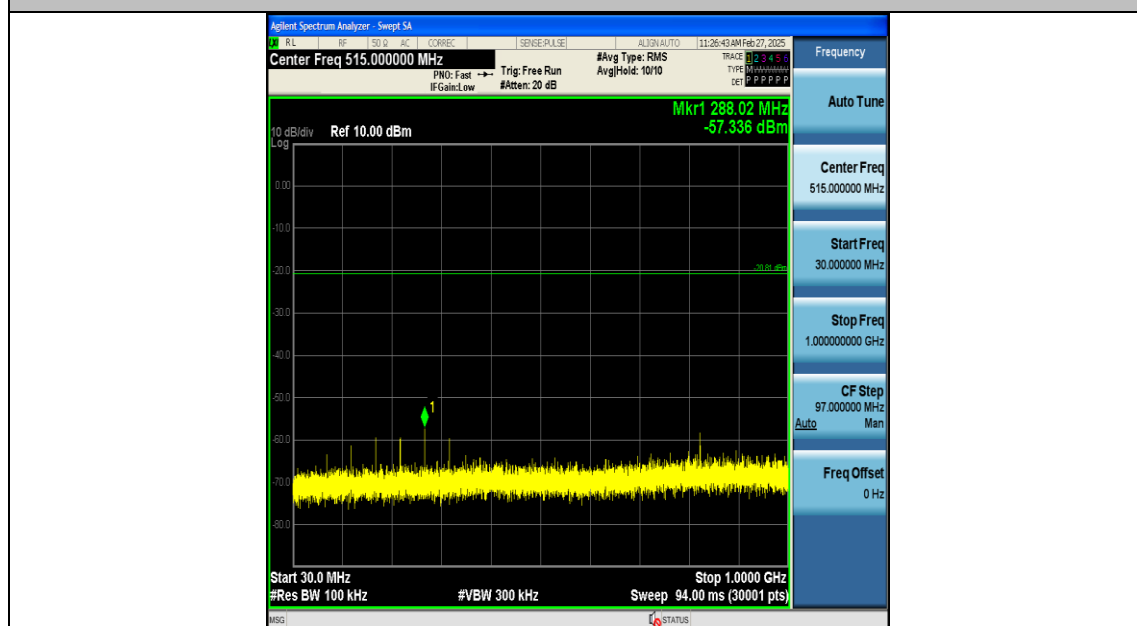




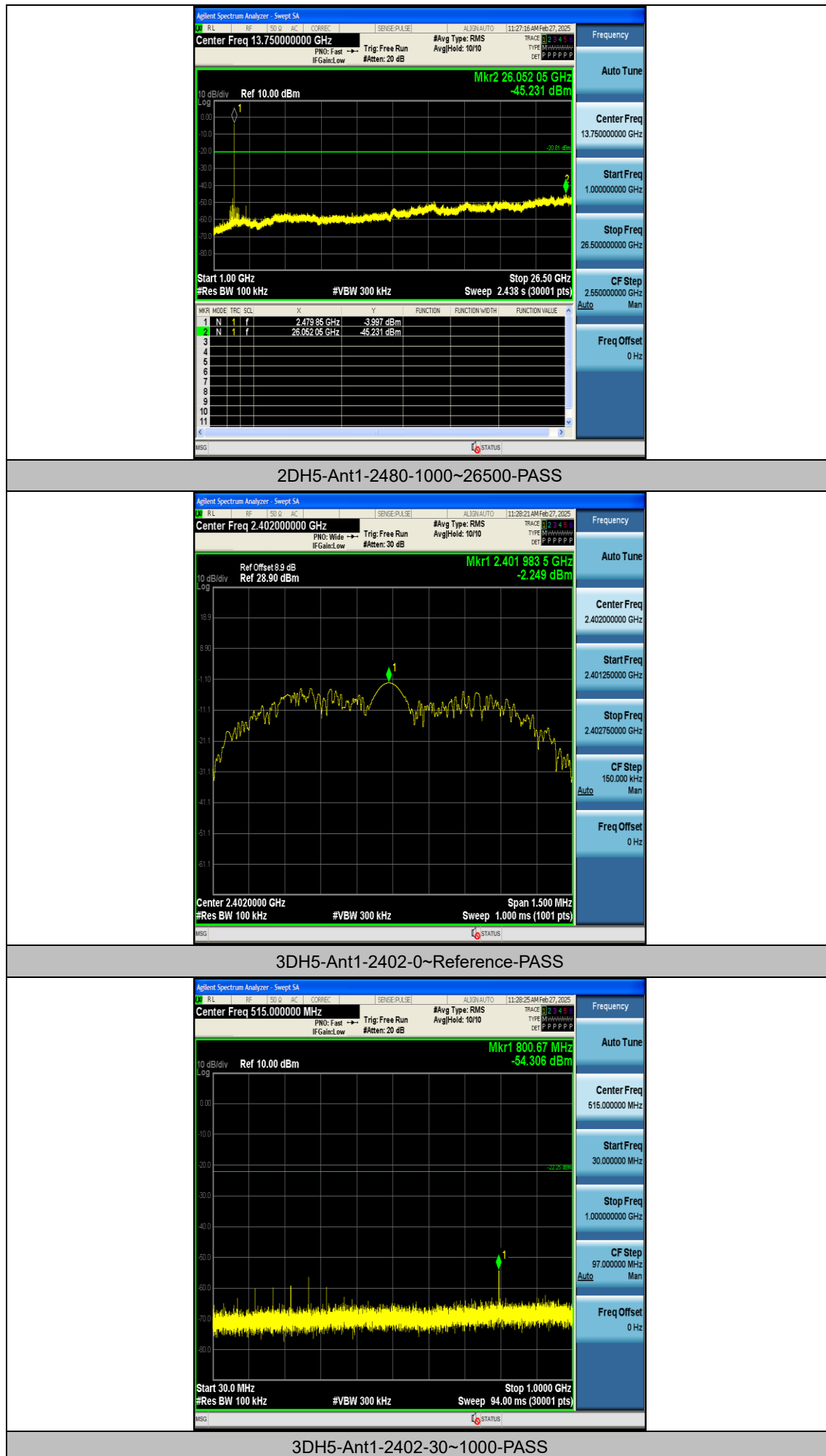
2DH5-Ant1-2441-1000~26500-PASS

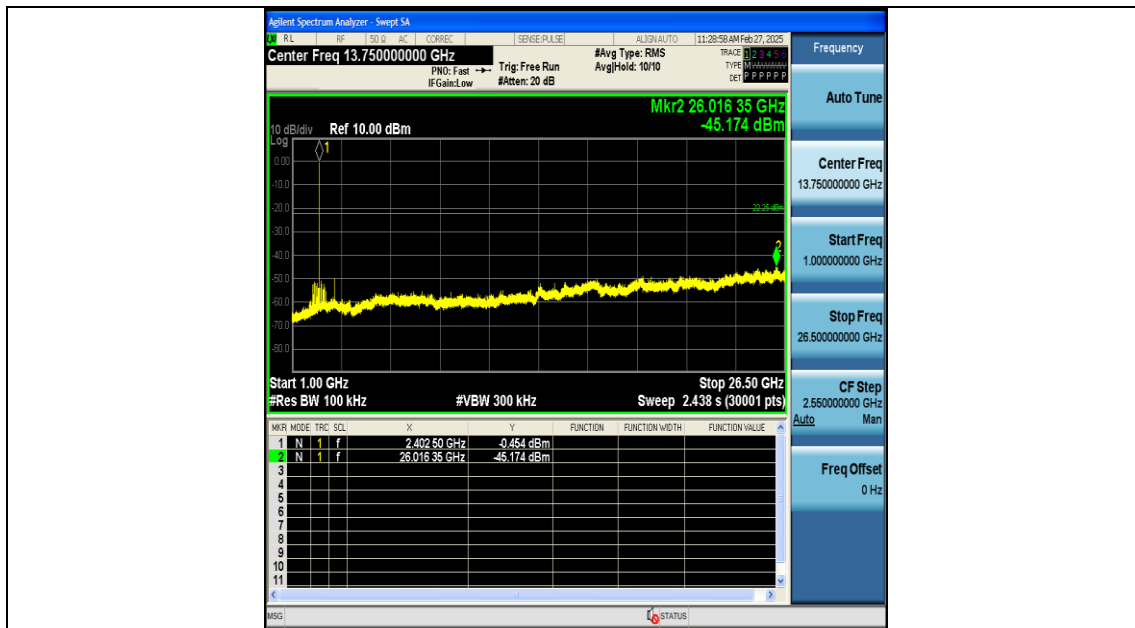


2DH5-Ant1-2480-0~Reference-PASS

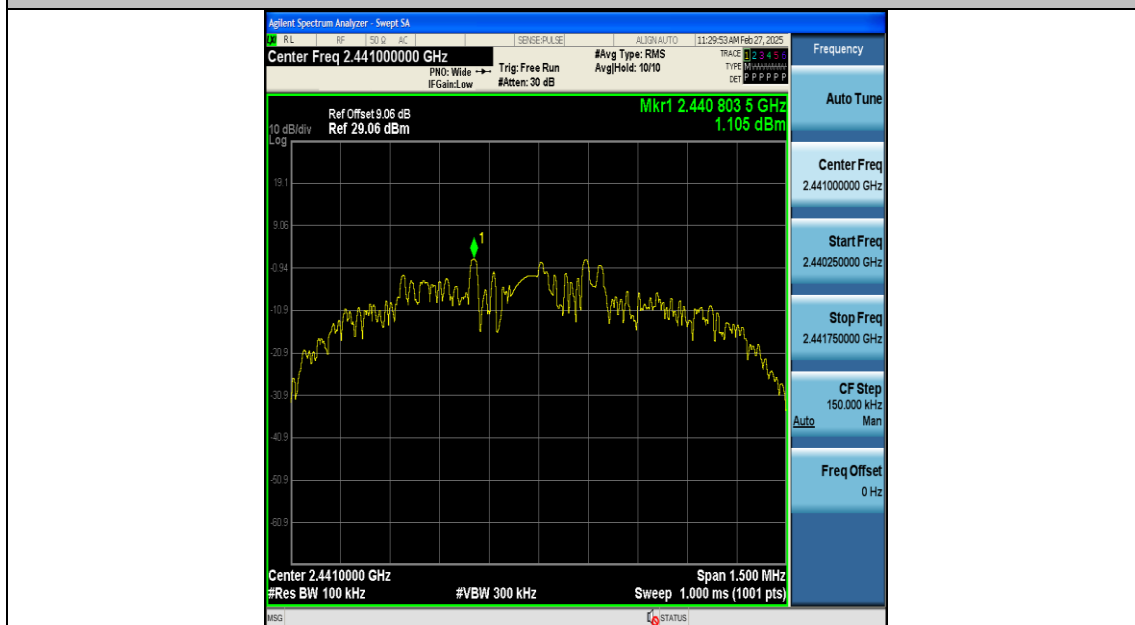


2DH5-Ant1-2480-30~1000-PASS

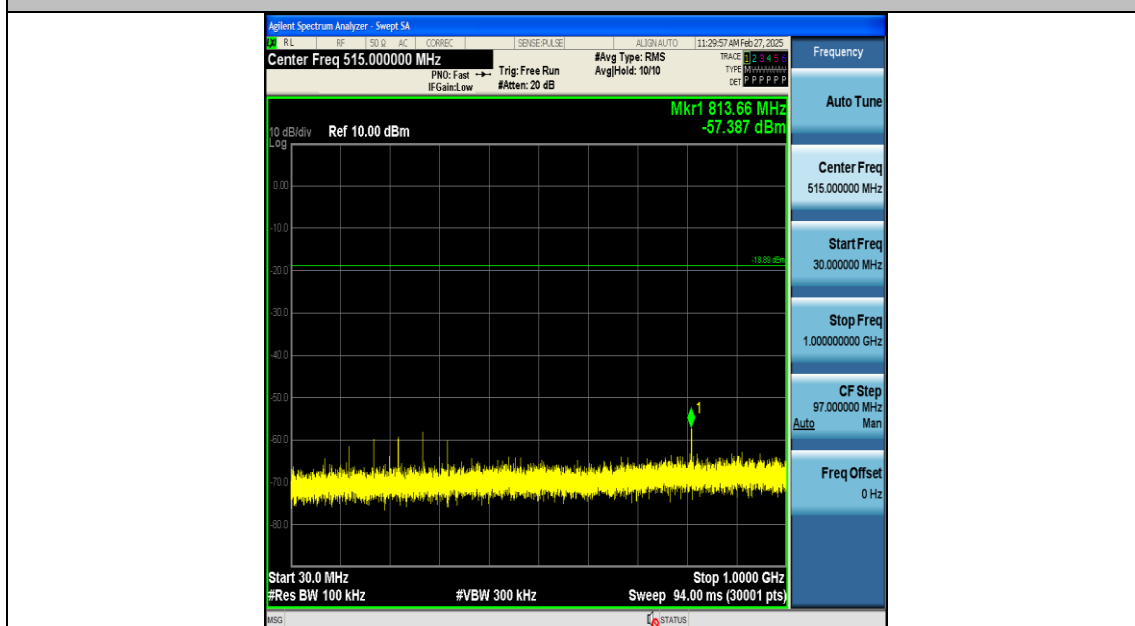




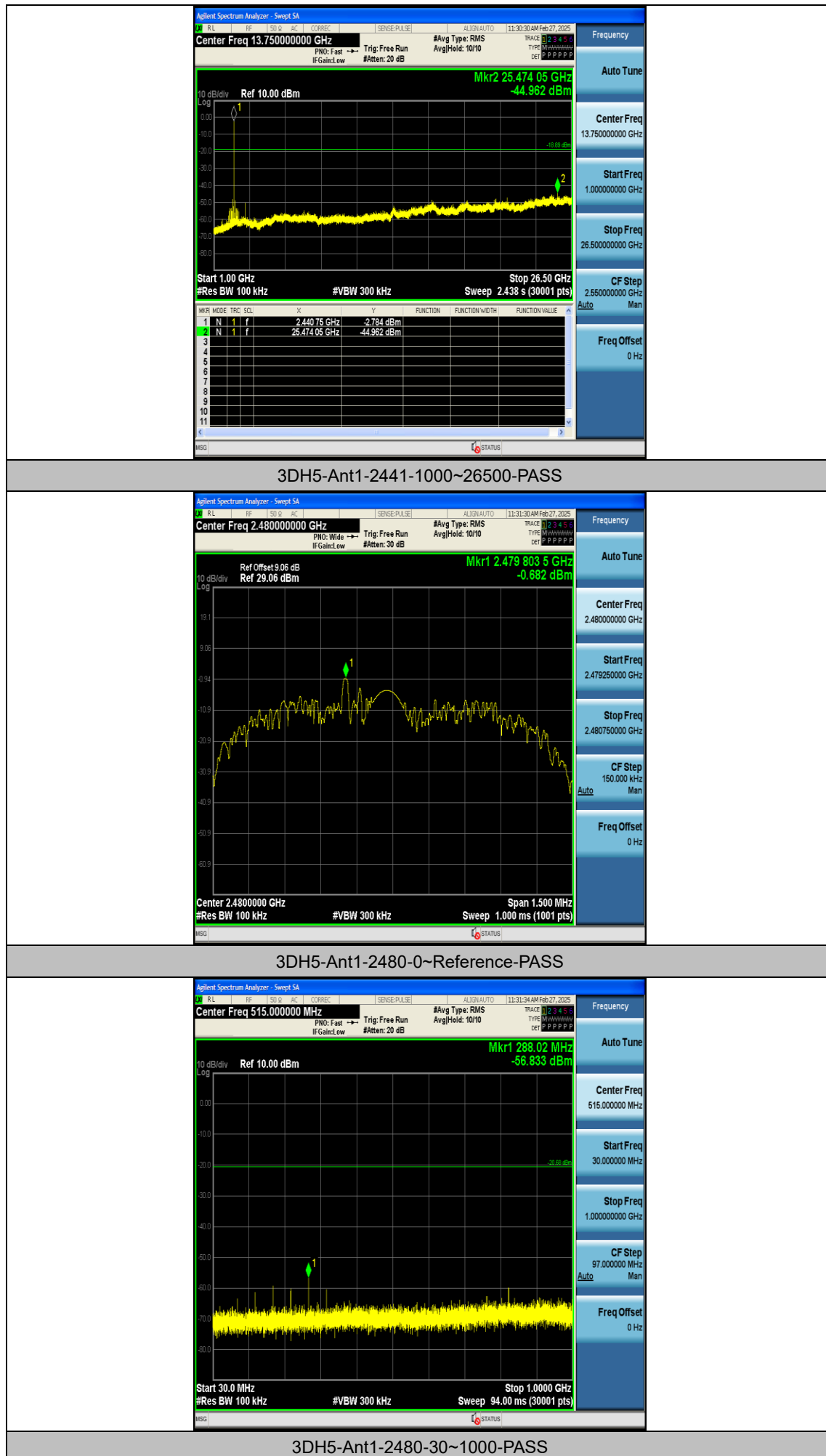
3DH5-Ant1-2402-1000~26500-PASS

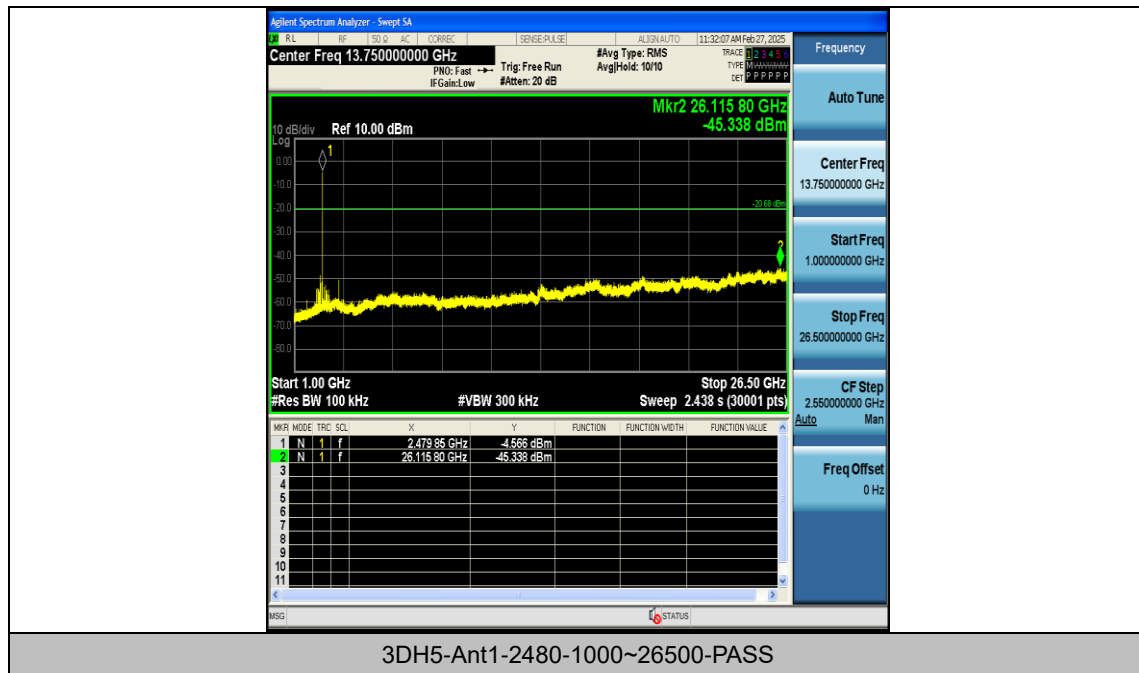


3DH5-Ant1-2441-0~Reference-PASS



3DH5-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	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.75	3.61	76.18	1.18
2DH5	Ant1	2441	2.75	3.61	76.18	1.18
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.88	3.75	76.80	1.15
3DH5	Ant1	2441	2.75	3.61	76.18	1.18
3DH5	Ant1	2480	2.75	3.61	76.18	1.18

Test Graphs

