

Appendix Test Data for WLAN(2. 4G) (Conducted Measurement)

Product Name: MONKi Table Order

Trade Mark: /

Test Model: MK-TO2

FCC ID: 2BKTM-MK-TO2

Environmental Conditions

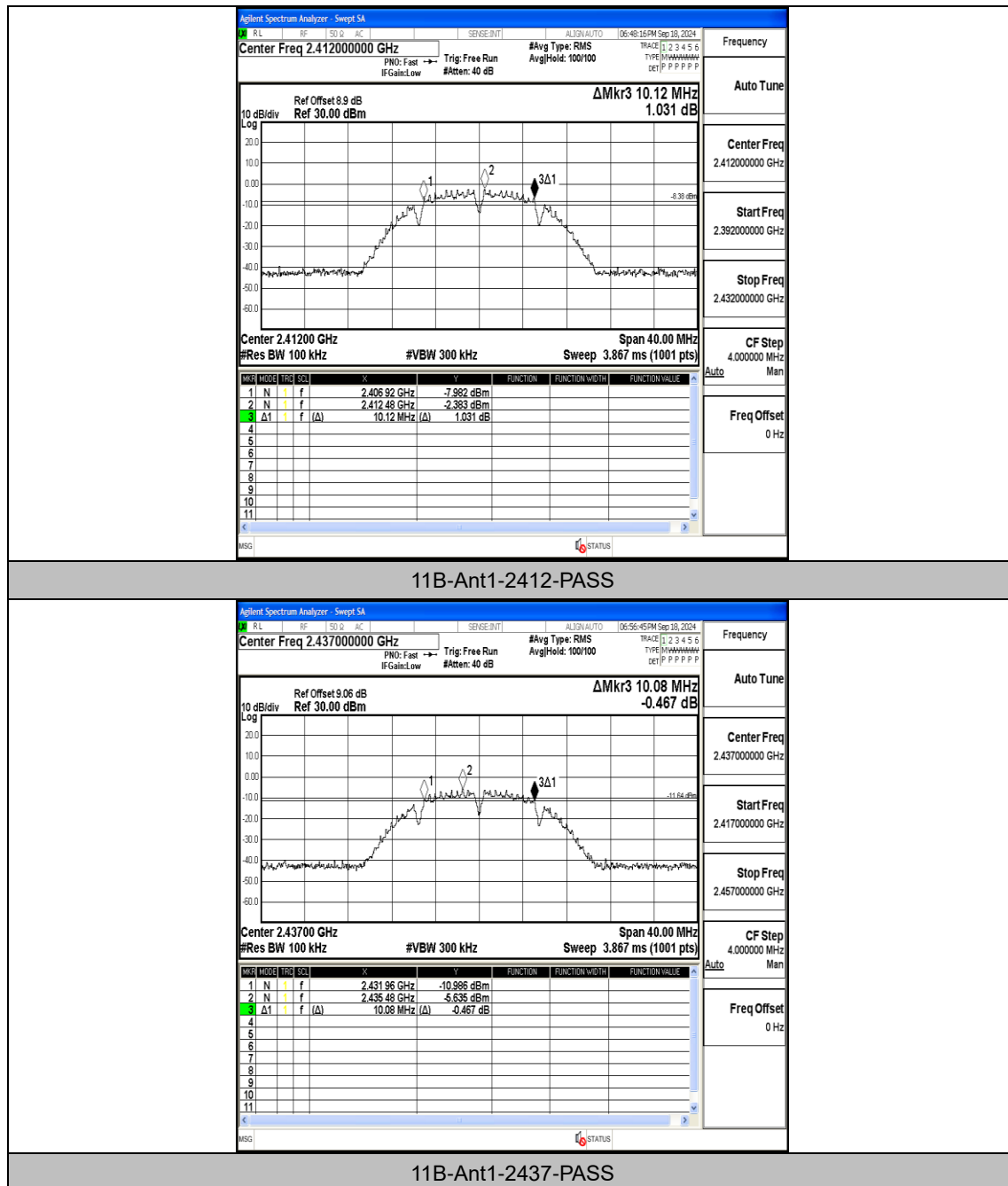
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

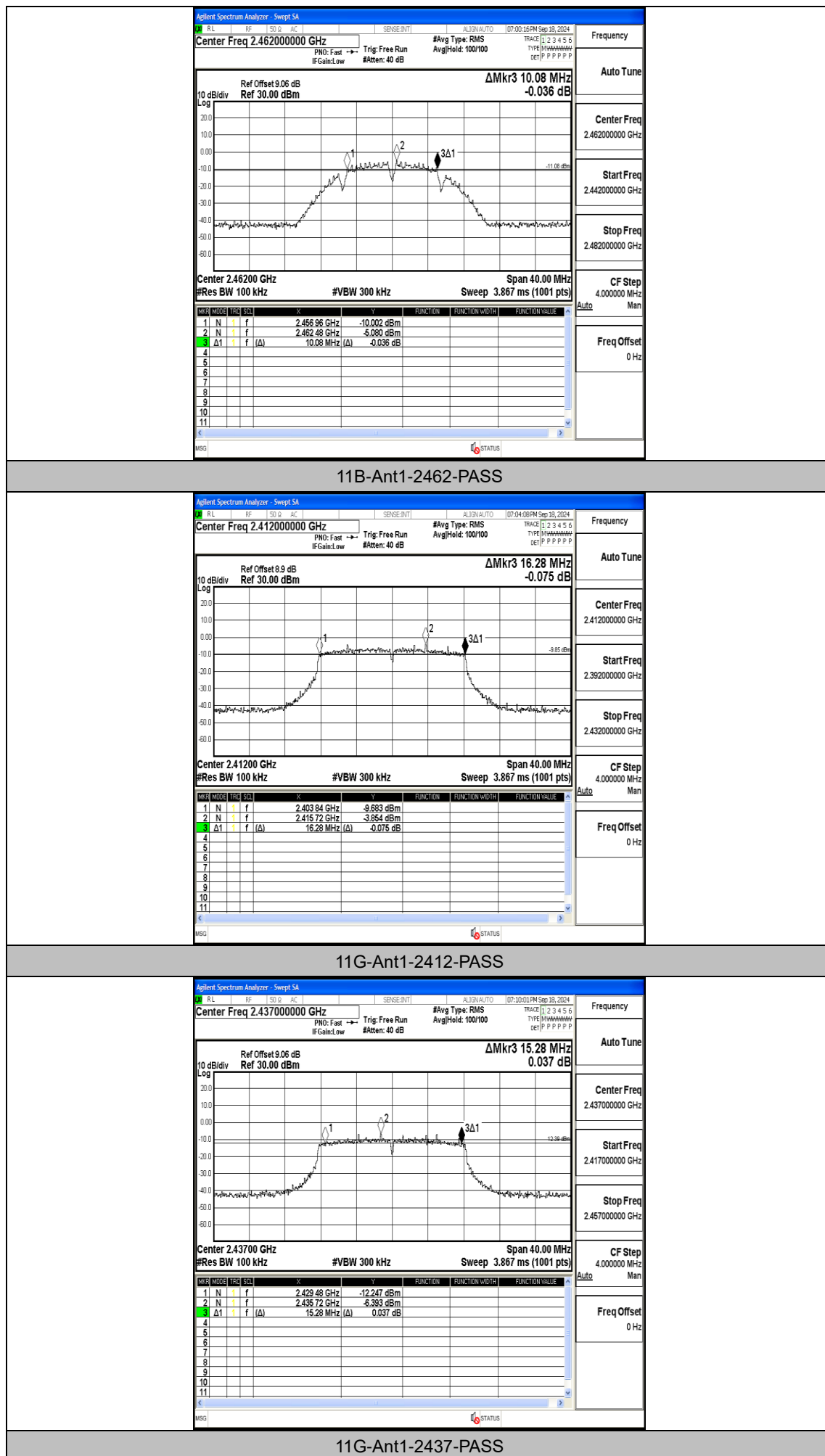
Appendix A: DTS Bandwidth

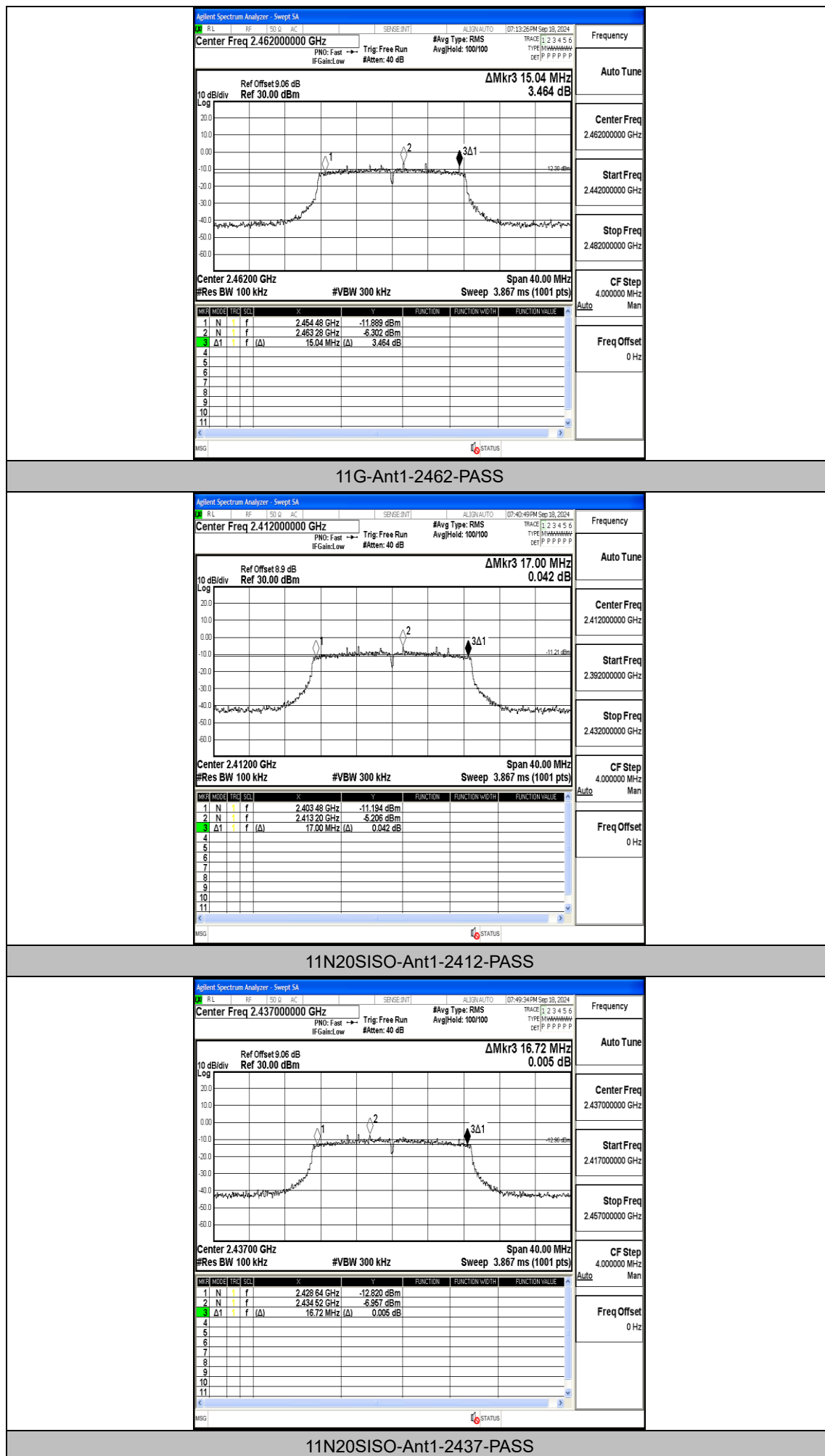
Test Result

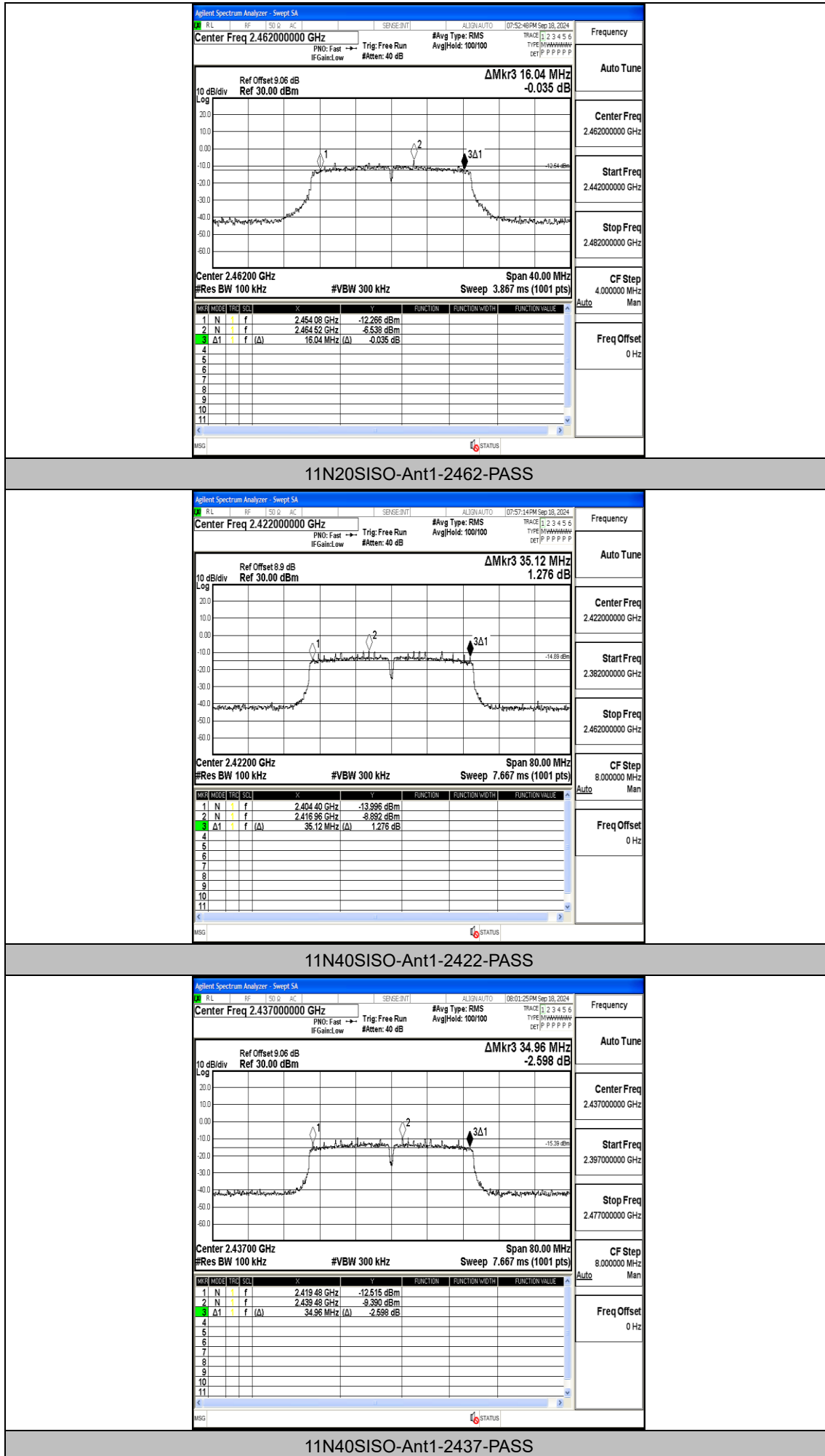
Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	10.120	2406.920	2417.040	0.5	PASS
11B	Ant1	2437	10.080	2431.960	2442.040	0.5	PASS
11B	Ant1	2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	16.280	2403.840	2420.120	0.5	PASS
11G	Ant1	2437	15.280	2429.480	2444.760	0.5	PASS
11G	Ant1	2462	15.040	2454.480	2469.520	0.5	PASS
11N20SISO	Ant1	2412	17.000	2403.480	2420.480	0.5	PASS
11N20SISO	Ant1	2437	16.720	2428.640	2445.360	0.5	PASS
11N20SISO	Ant1	2462	16.040	2454.080	2470.120	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.400	2439.520	0.5	PASS
11N40SISO	Ant1	2437	34.960	2419.480	2454.440	0.5	PASS
11N40SISO	Ant1	2452	34.880	2434.400	2469.280	0.5	PASS

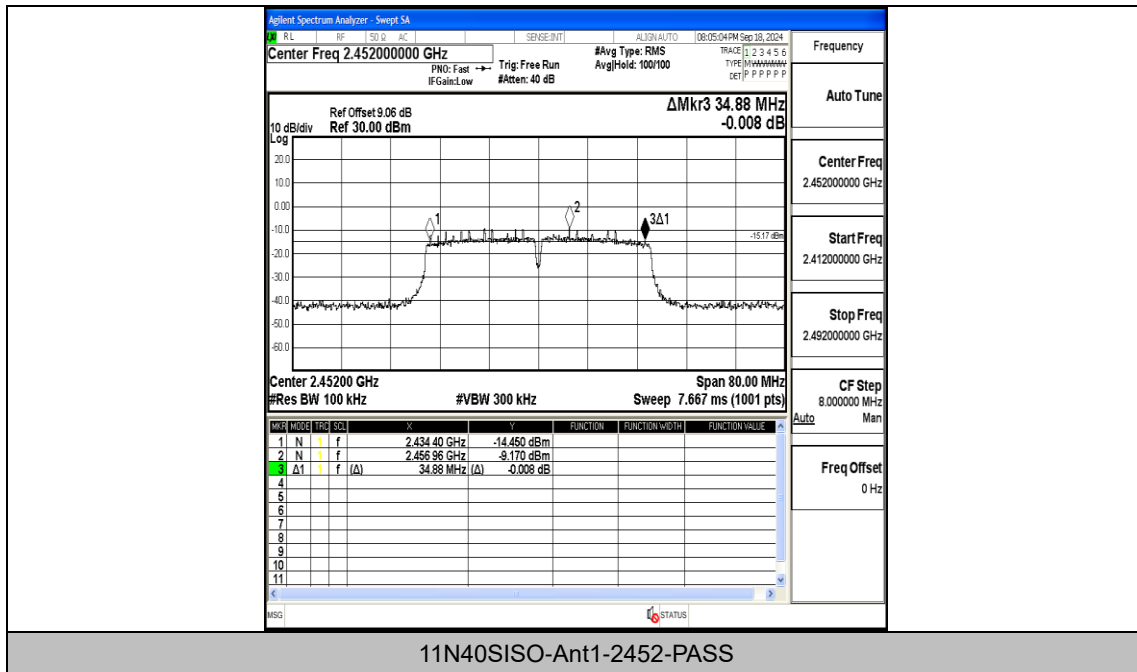
Test Graphs









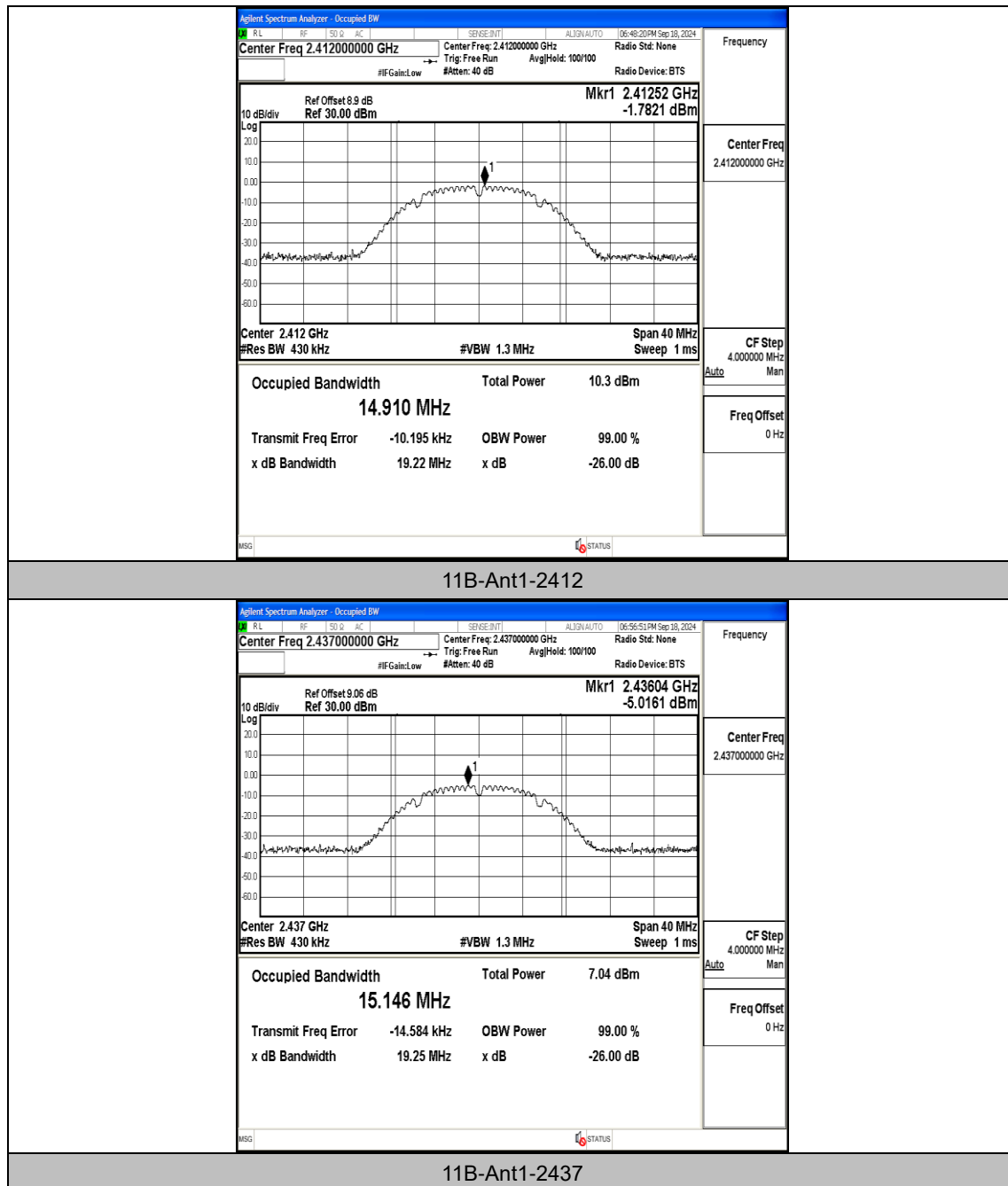


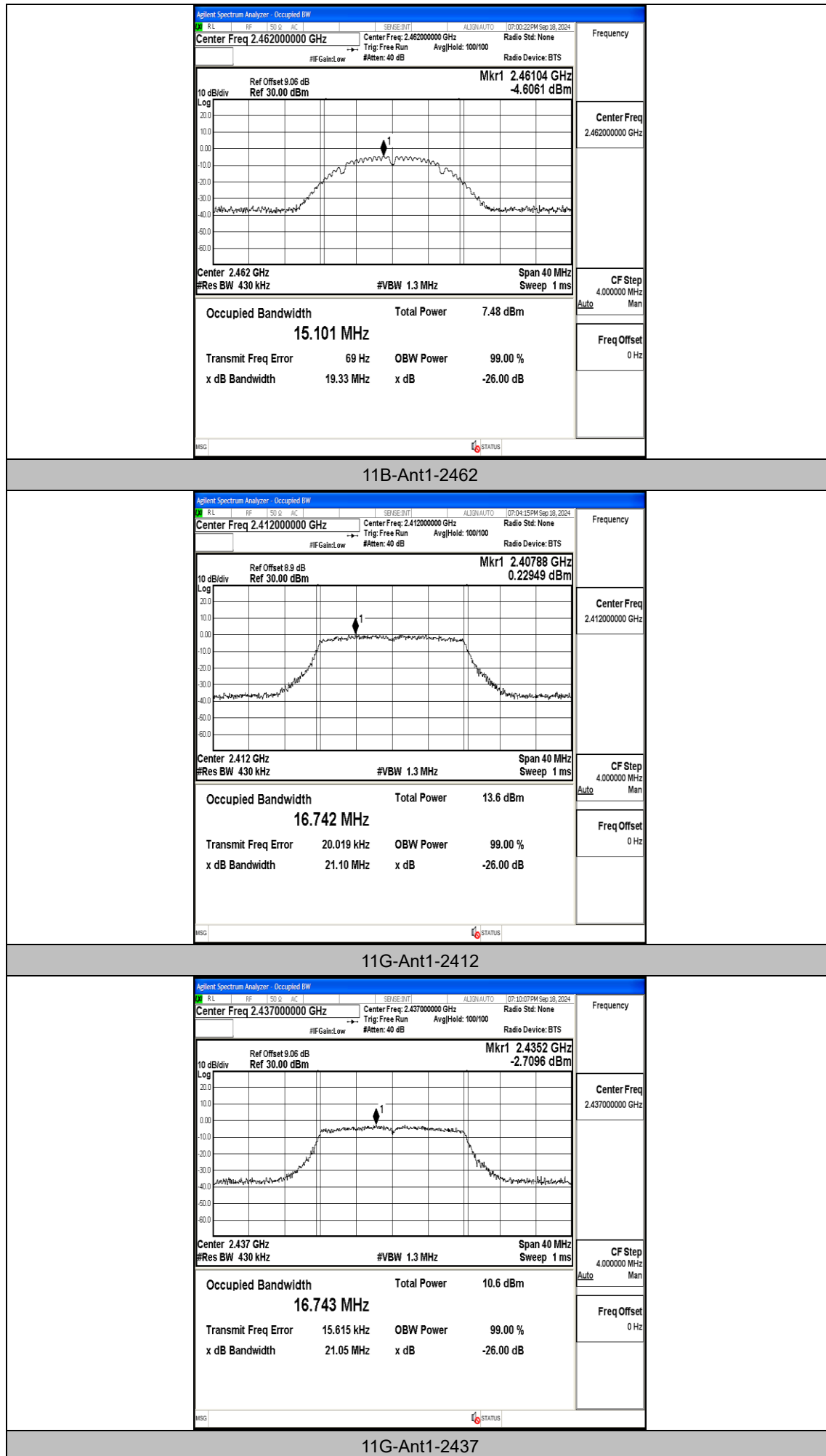
Appendix B: Occupied Channel Bandwidth

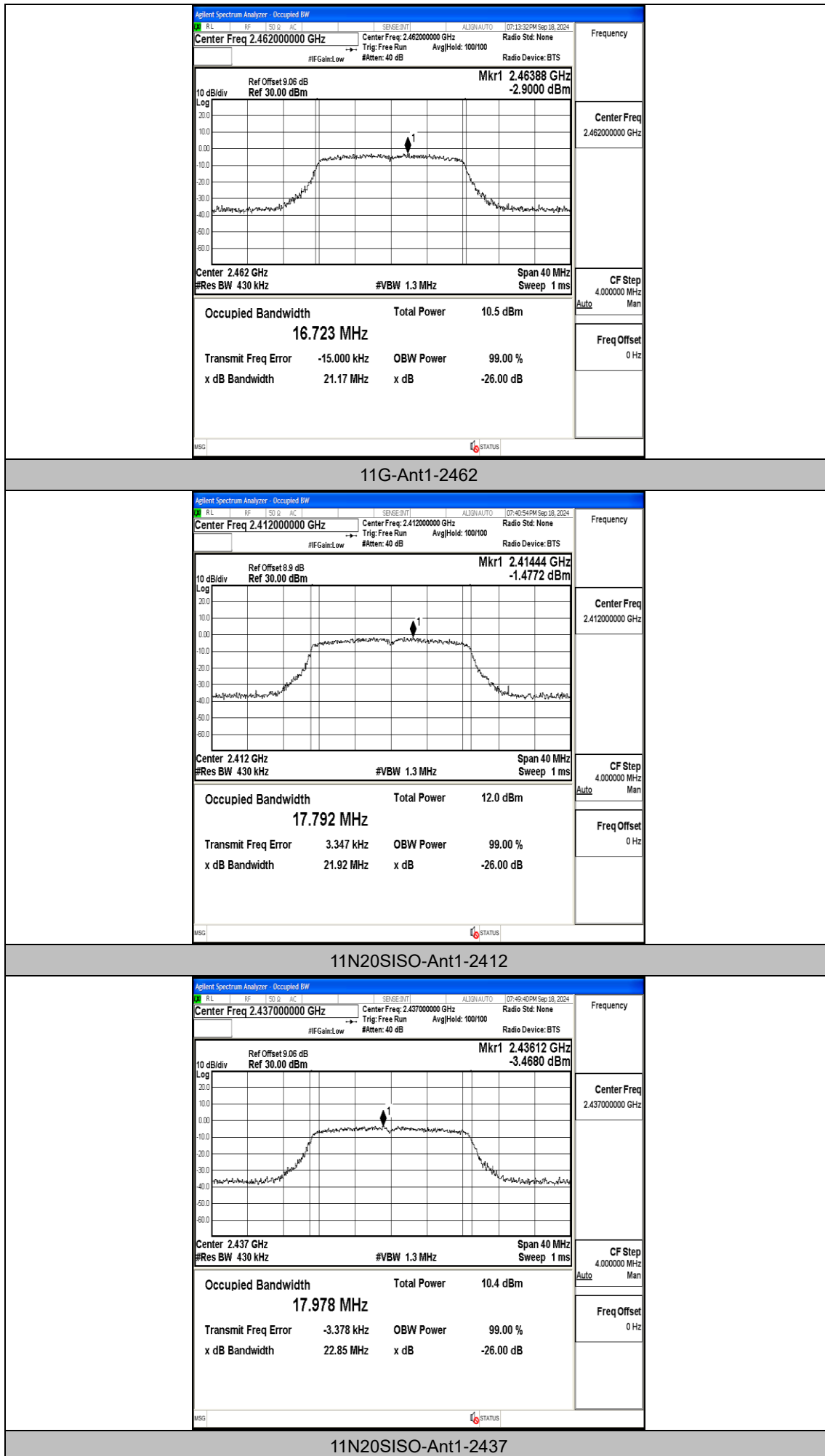
Test Result

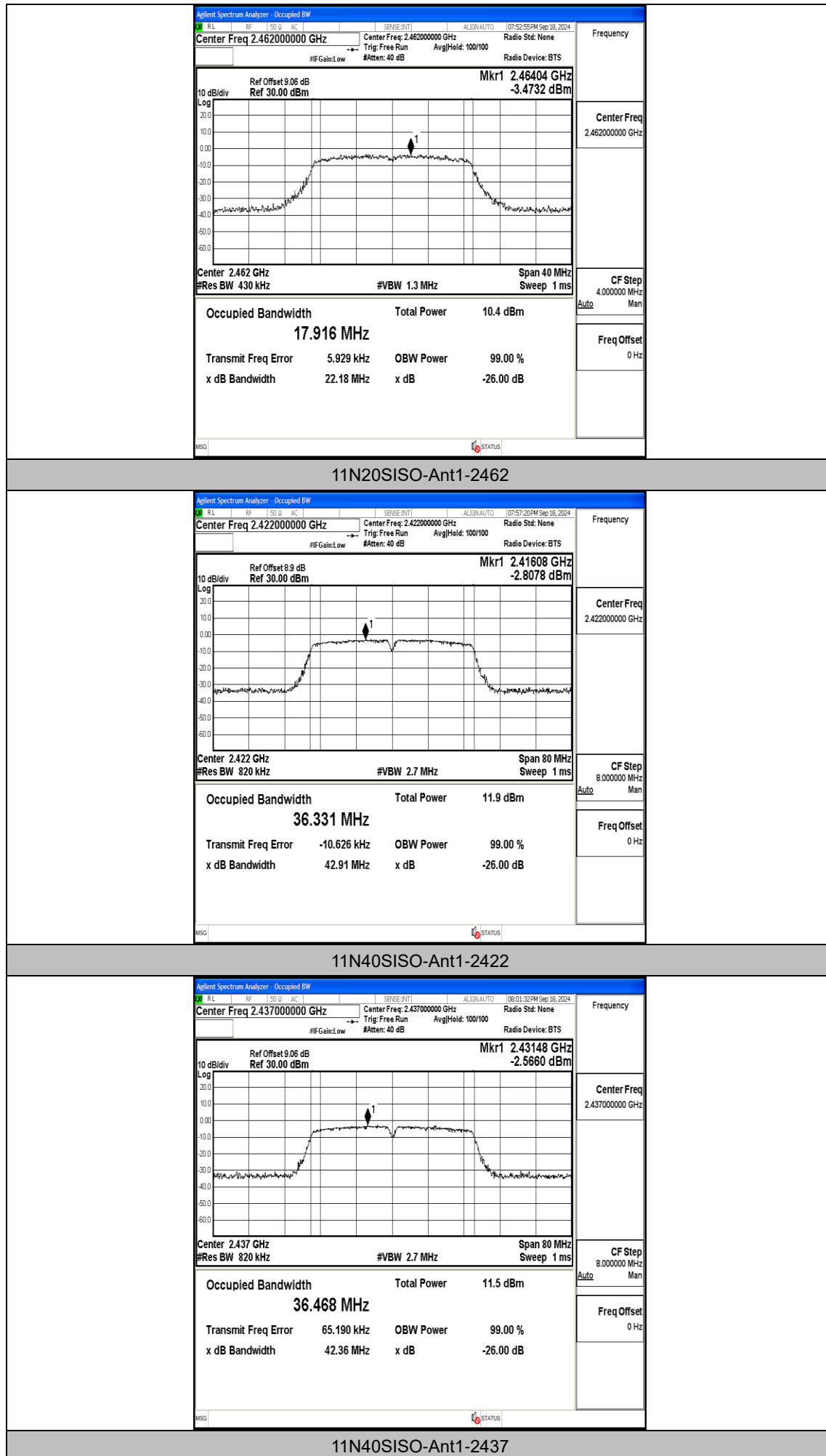
Test Mode	Antenna	Channel Frequency [MHz]	OCB [MHz]	FL [MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.910	2404.5348	2419.4448	---	---
11B	Ant1	2437	15.146	2429.4124	2444.5584	---	---
11B	Ant1	2462	15.101	2454.4496	2469.5506	---	---
11G	Ant1	2412	16.742	2403.6490	2420.3910	---	---
11G	Ant1	2437	16.743	2428.6441	2445.3871	---	---
11G	Ant1	2462	16.723	2453.6235	2470.3465	---	---
11N20SISO	Ant1	2412	17.792	2403.1074	2420.8994	---	---
11N20SISO	Ant1	2437	17.978	2428.0076	2445.9856	---	---
11N20SISO	Ant1	2462	17.916	2453.0479	2470.9639	---	---
11N40SISO	Ant1	2422	36.331	2403.8239	2440.1549	---	---
11N40SISO	Ant1	2437	36.468	2418.8312	2455.2992	---	---
11N40SISO	Ant1	2452	36.366	2433.8571	2470.2231	---	---

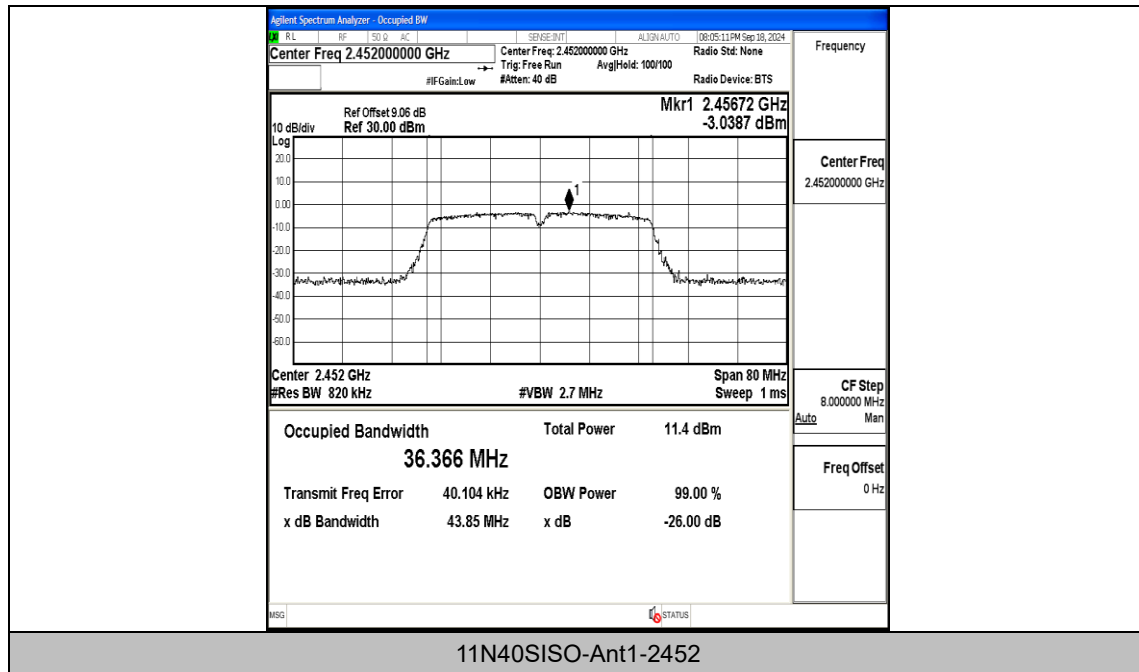
Test Graphs











Appendix C: Maximum Average conducted output power

Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Power [dBm]	Conducted Limit [dBm]	Verdict
11B	Ant1	2412	5.07	≤30.00	PASS
11B	Ant1	2437	4.12	≤30.00	PASS
11B	Ant1	2462	4.60	≤30.00	PASS
11G	Ant1	2412	5.02	≤30.00	PASS
11G	Ant1	2437	4.60	≤30.00	PASS
11G	Ant1	2462	4.81	≤30.00	PASS
11N20SISO	Ant1	2412	5.10	≤30.00	PASS
11N20SISO	Ant1	2437	4.59	≤30.00	PASS
11N20SISO	Ant1	2462	4.45	≤30.00	PASS
11N40SISO	Ant1	2422	4.92	≤30.00	PASS
11N40SISO	Ant1	2437	4.88	≤30.00	PASS
11N40SISO	Ant1	2452	4.70	≤30.00	PASS

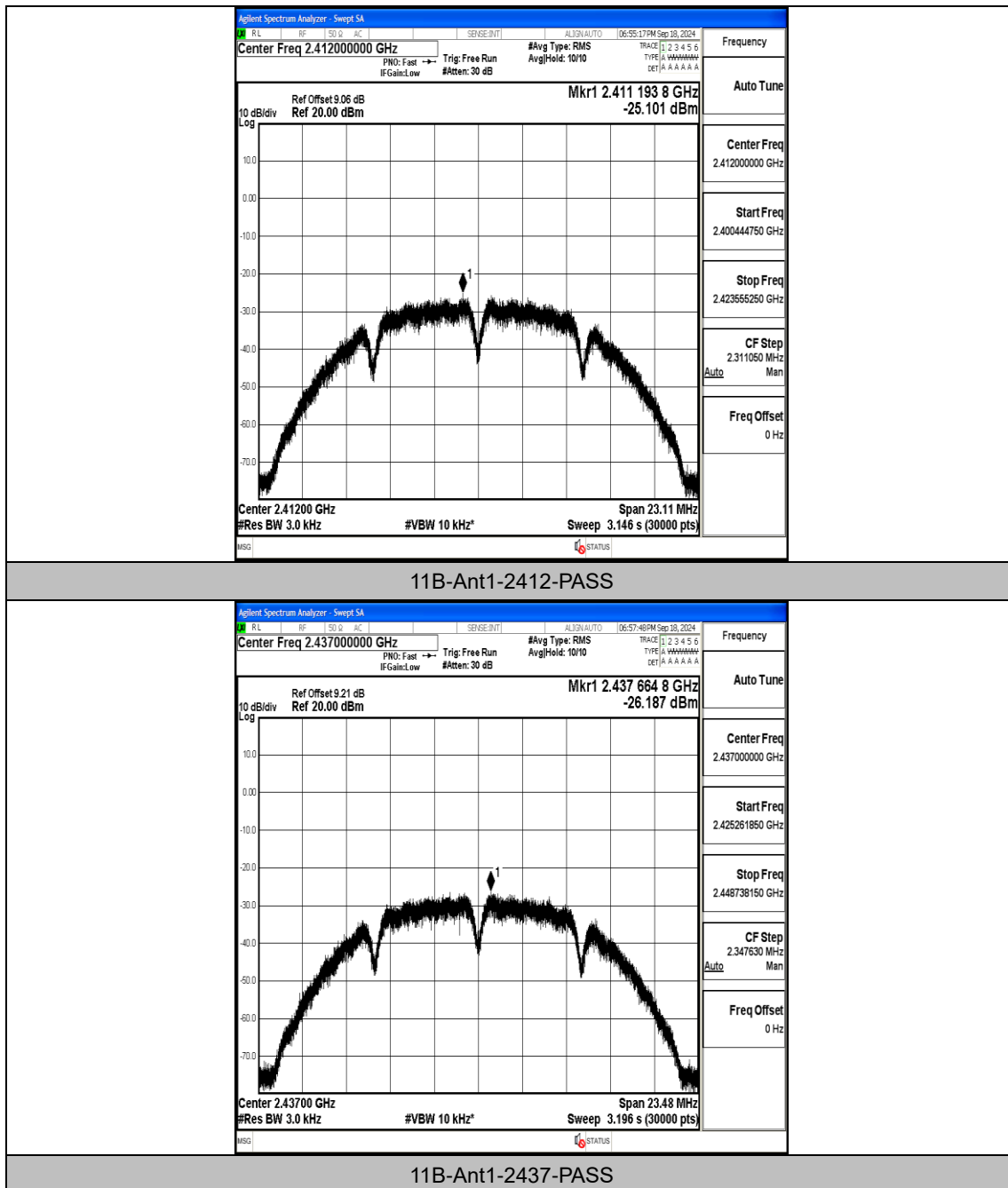
Note: The Duty Cycle Factor is compensated in the result.

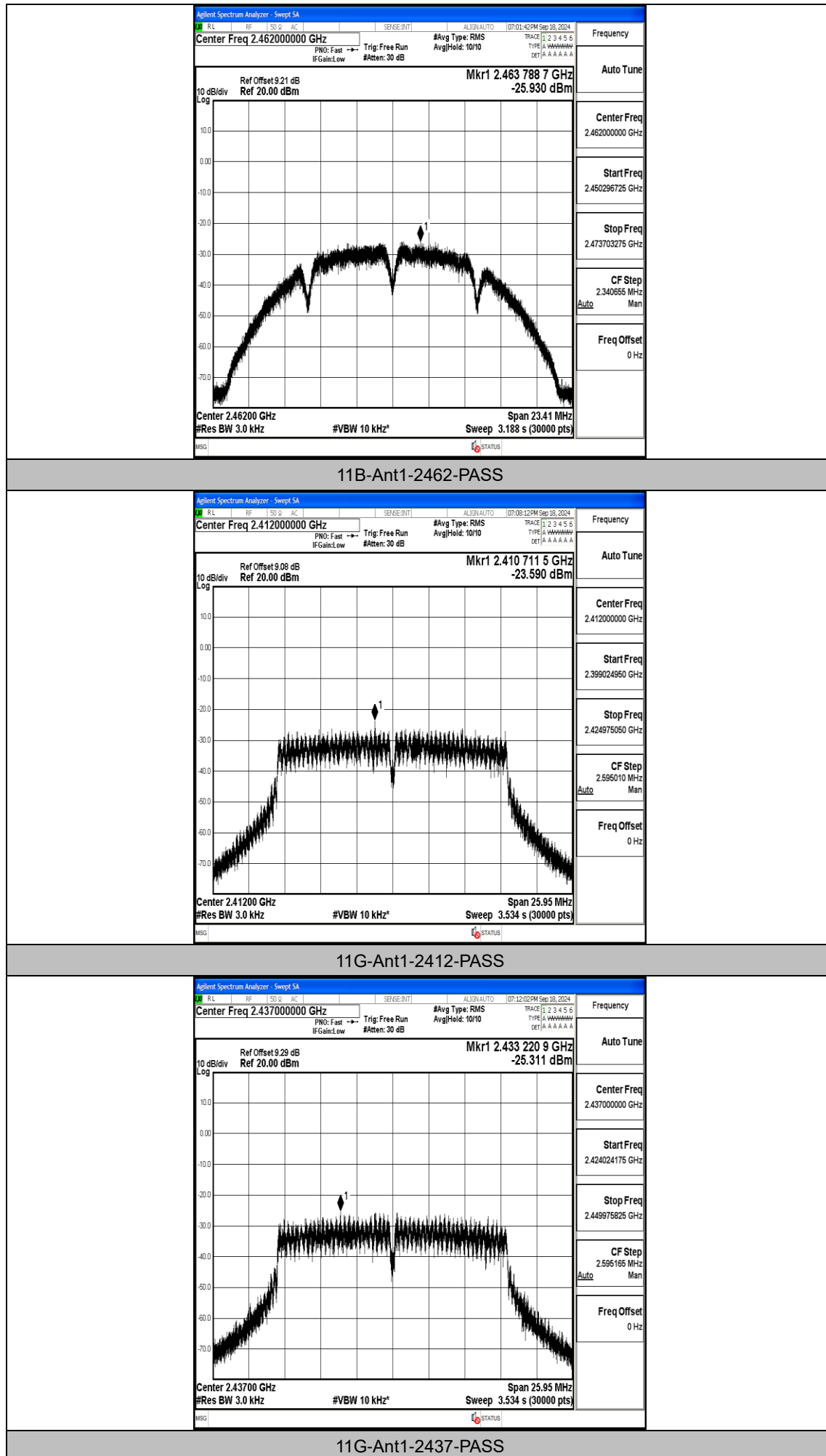
Appendix D: Maximum Average power spectral density

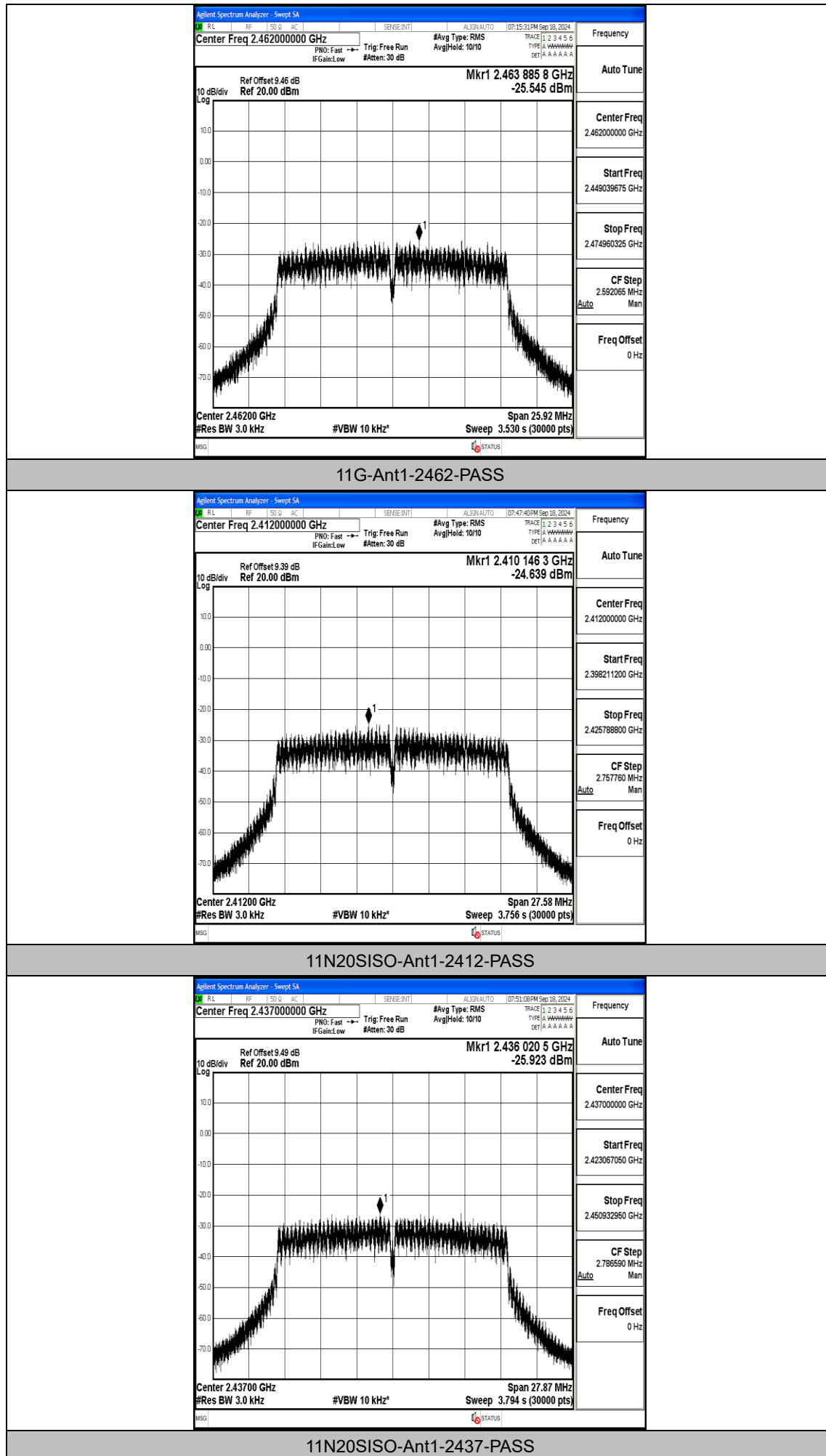
Test Result

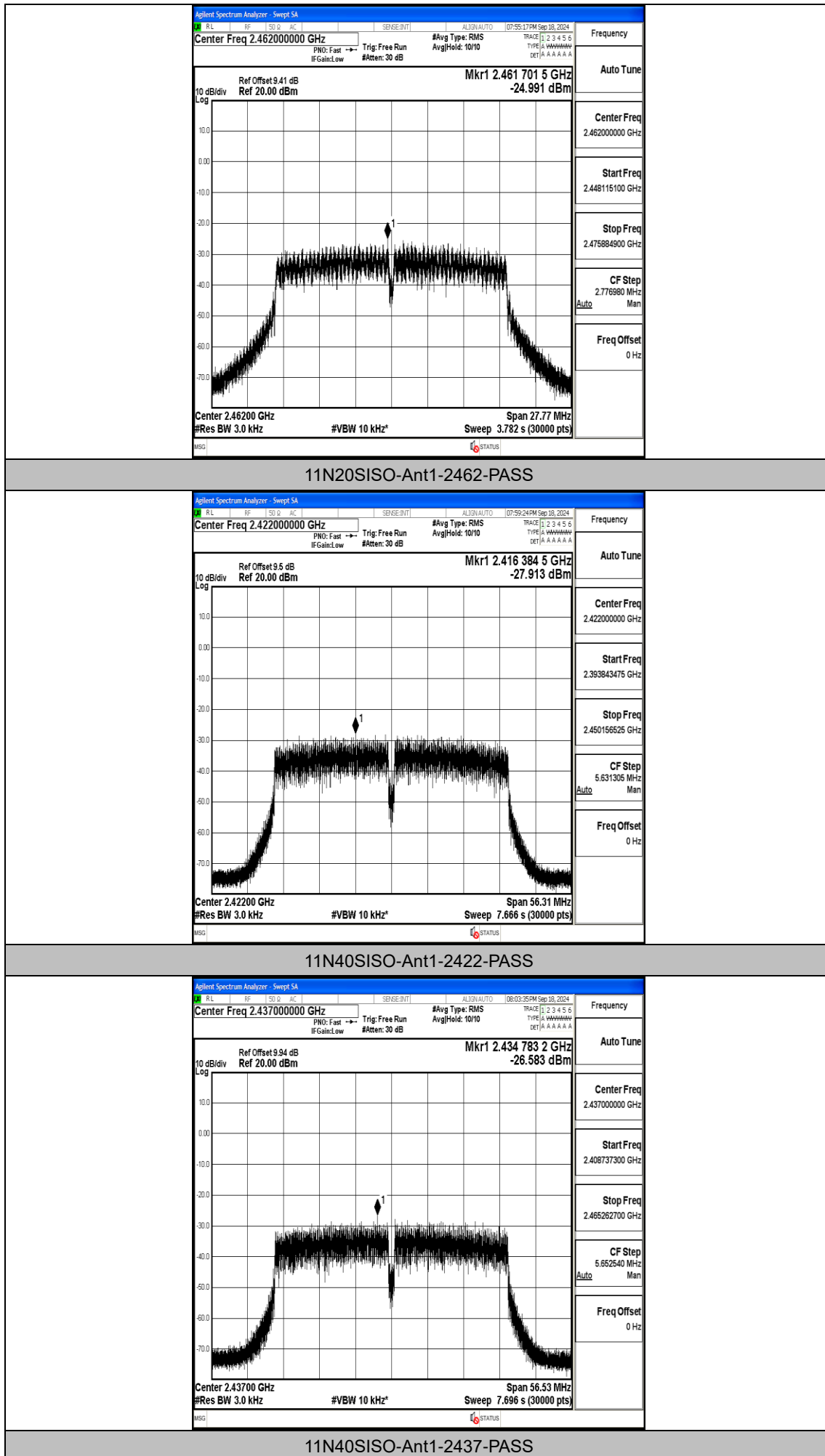
Test Mode	Antenna	Frequency [MHz]	Raw Data [dBm/3-100kHz]	DC Factor	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-25.26	0.16	-25.10	≤8.00	PASS
11B	Ant1	2437	-26.34	0.15	-26.19	≤8.00	PASS
11B	Ant1	2462	-26.08	0.15	-25.93	≤8.00	PASS
11G	Ant1	2412	-23.77	0.18	-23.59	≤8.00	PASS
11G	Ant1	2437	-25.54	0.23	-25.31	≤8.00	PASS
11G	Ant1	2462	-25.95	0.40	-25.55	≤8.00	PASS
11N20SI SO	Ant1	2412	-25.13	0.49	-24.64	≤8.00	PASS
11N20SI SO	Ant1	2437	-26.35	0.43	-25.92	≤8.00	PASS
11N20SI SO	Ant1	2462	-25.34	0.35	-24.99	≤8.00	PASS
11N40SI SO	Ant1	2422	-28.51	0.60	-27.91	≤8.00	PASS
11N40SI SO	Ant1	2437	-27.46	0.88	-26.58	≤8.00	PASS
11N40SI SO	Ant1	2452	-28.73	0.83	-27.90	≤8.00	PASS

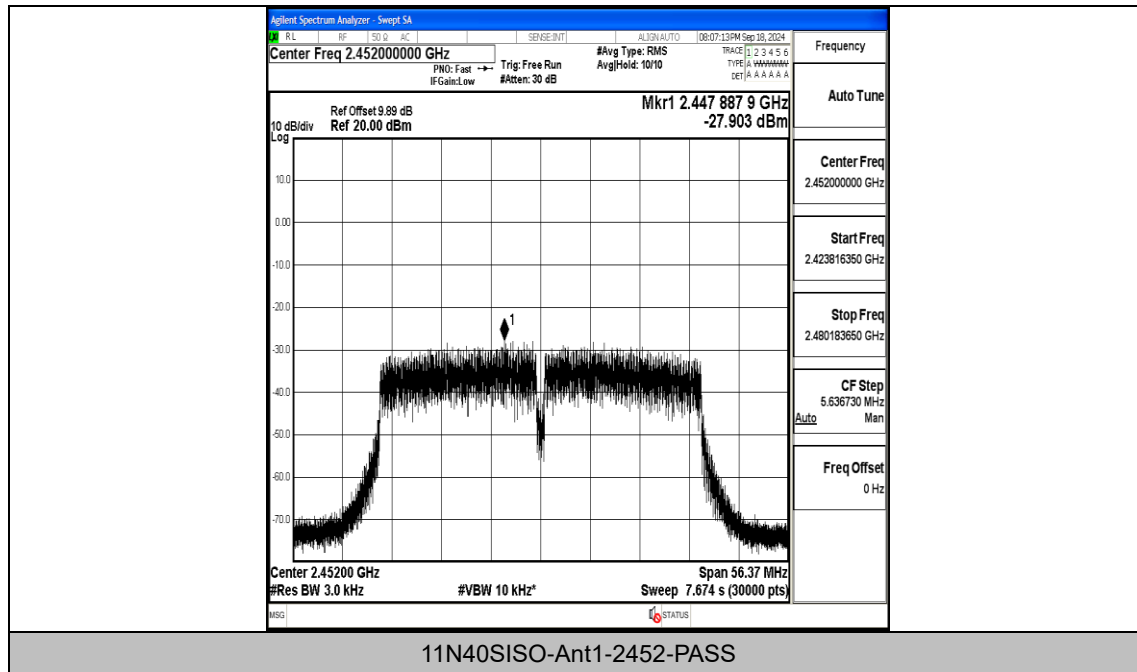
Test Graphs









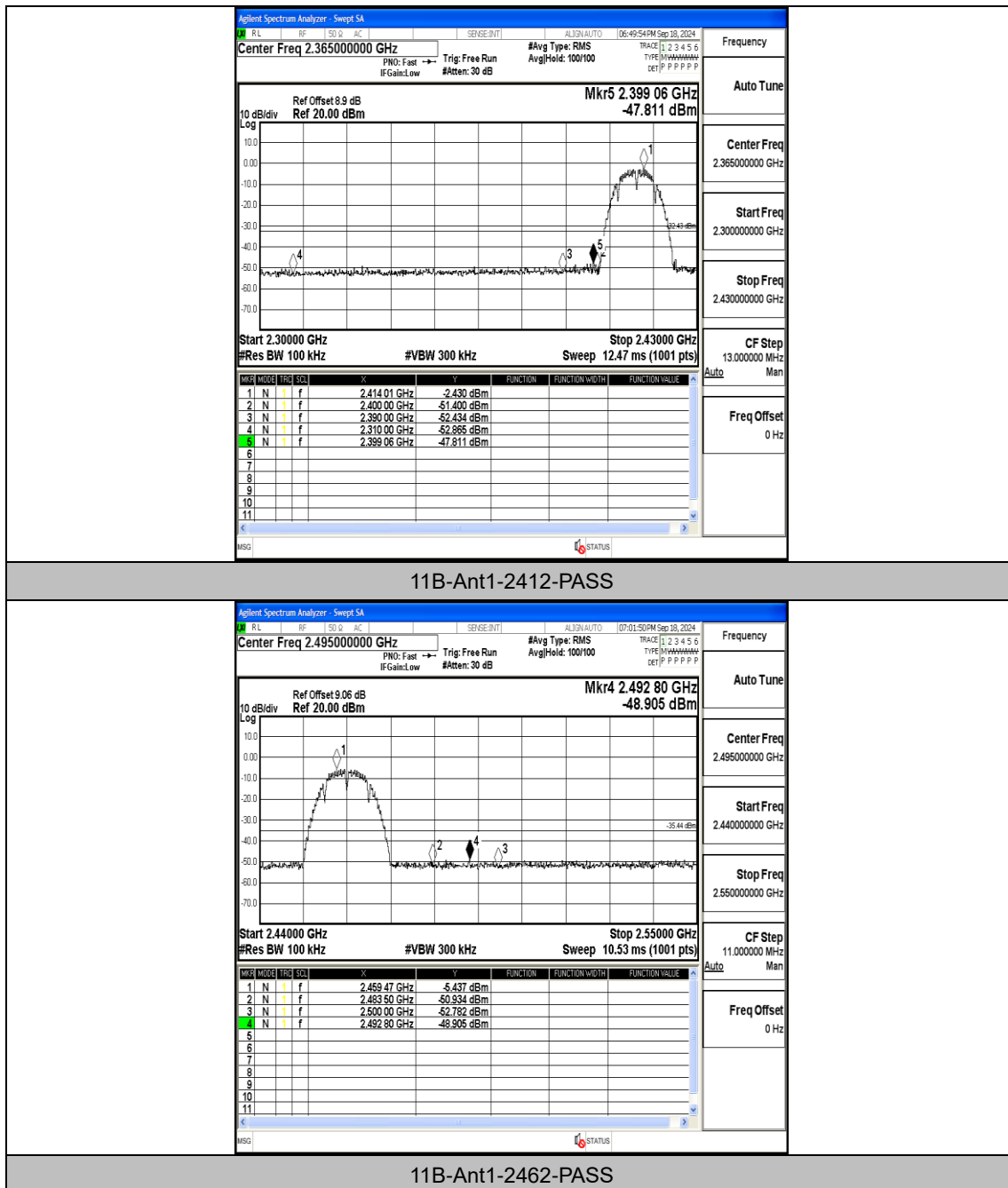


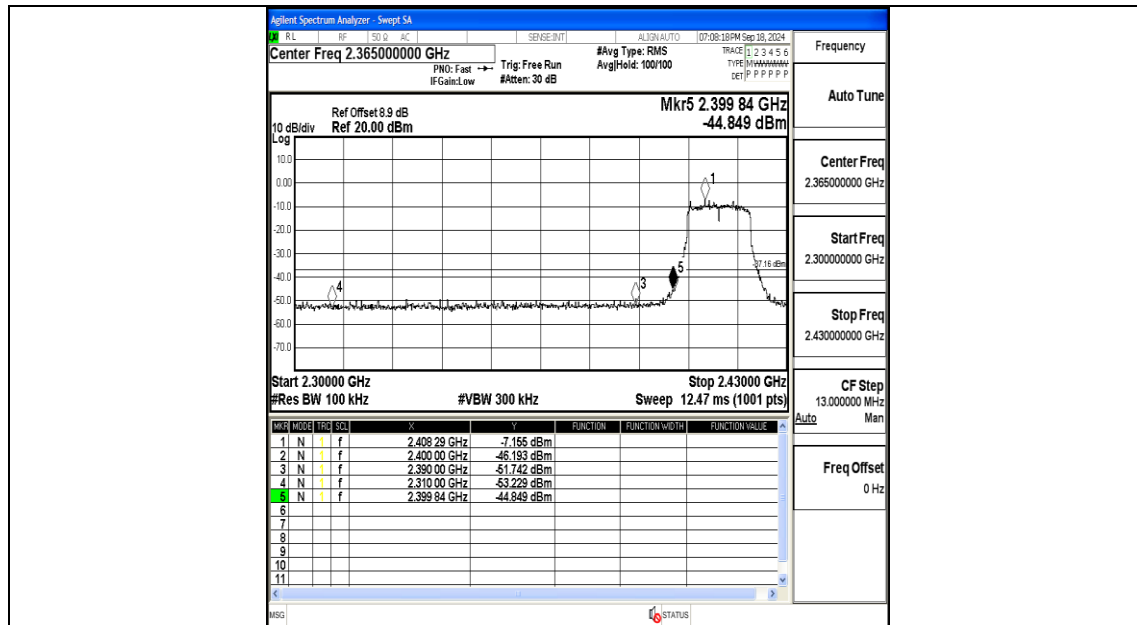
Appendix E: Band edge measurements

Test Result

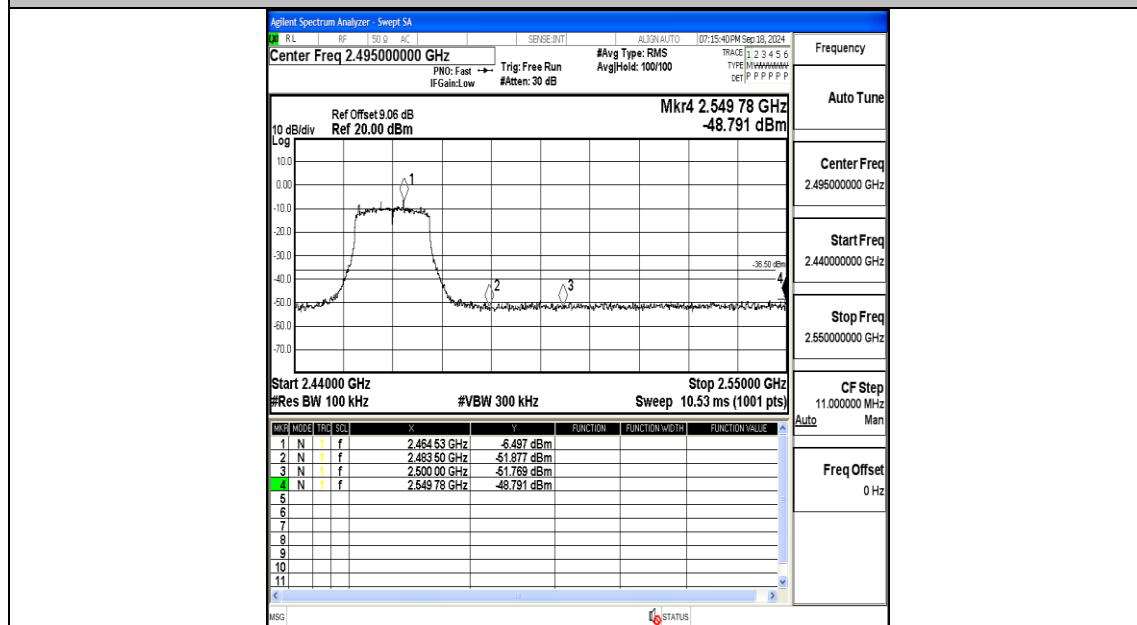
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	-2.43	-47.81	≤ -32.43	PASS
11B	Ant1	High	2462	-5.44	-48.91	≤ -35.44	PASS
11G	Ant1	Low	2412	-7.16	-44.85	≤ -37.16	PASS
11G	Ant1	High	2462	-6.50	-48.79	≤ -36.5	PASS
11N20SI SO	Ant1	Low	2412	-6.19	-42.29	≤ -36.19	PASS
11N20SI SO	Ant1	High	2462	-6.61	-47.89	≤ -36.61	PASS
11N40SI SO	Ant1	Low	2422	-8.81	-46.84	≤ -38.81	PASS
11N40SI SO	Ant1	High	2452	-9.39	-47.99	≤ -39.39	PASS

Test Graphs

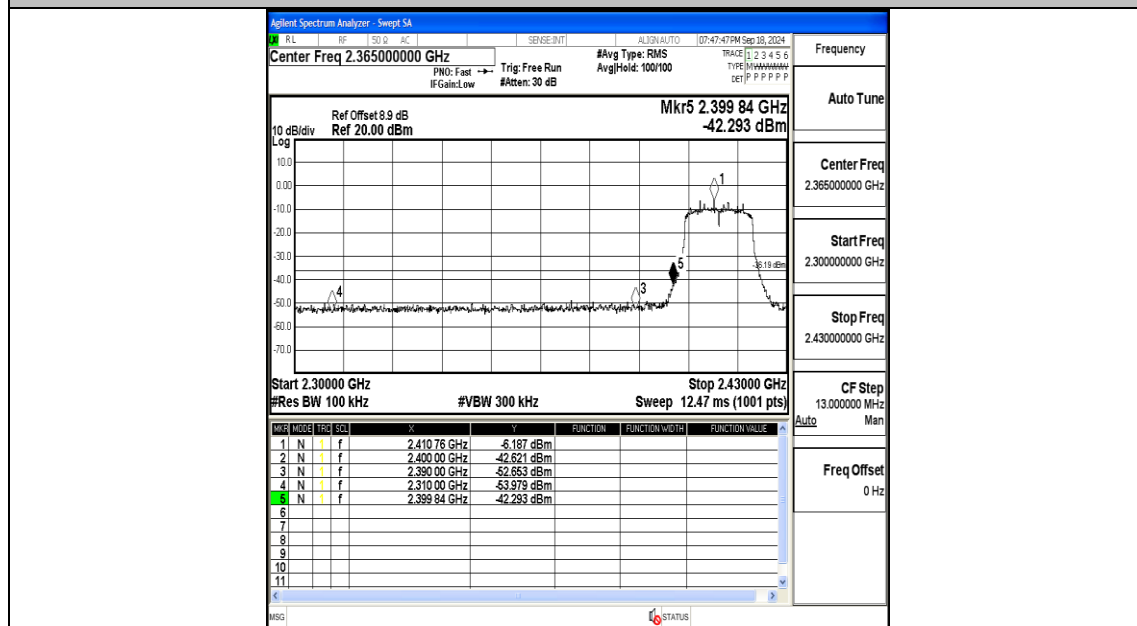




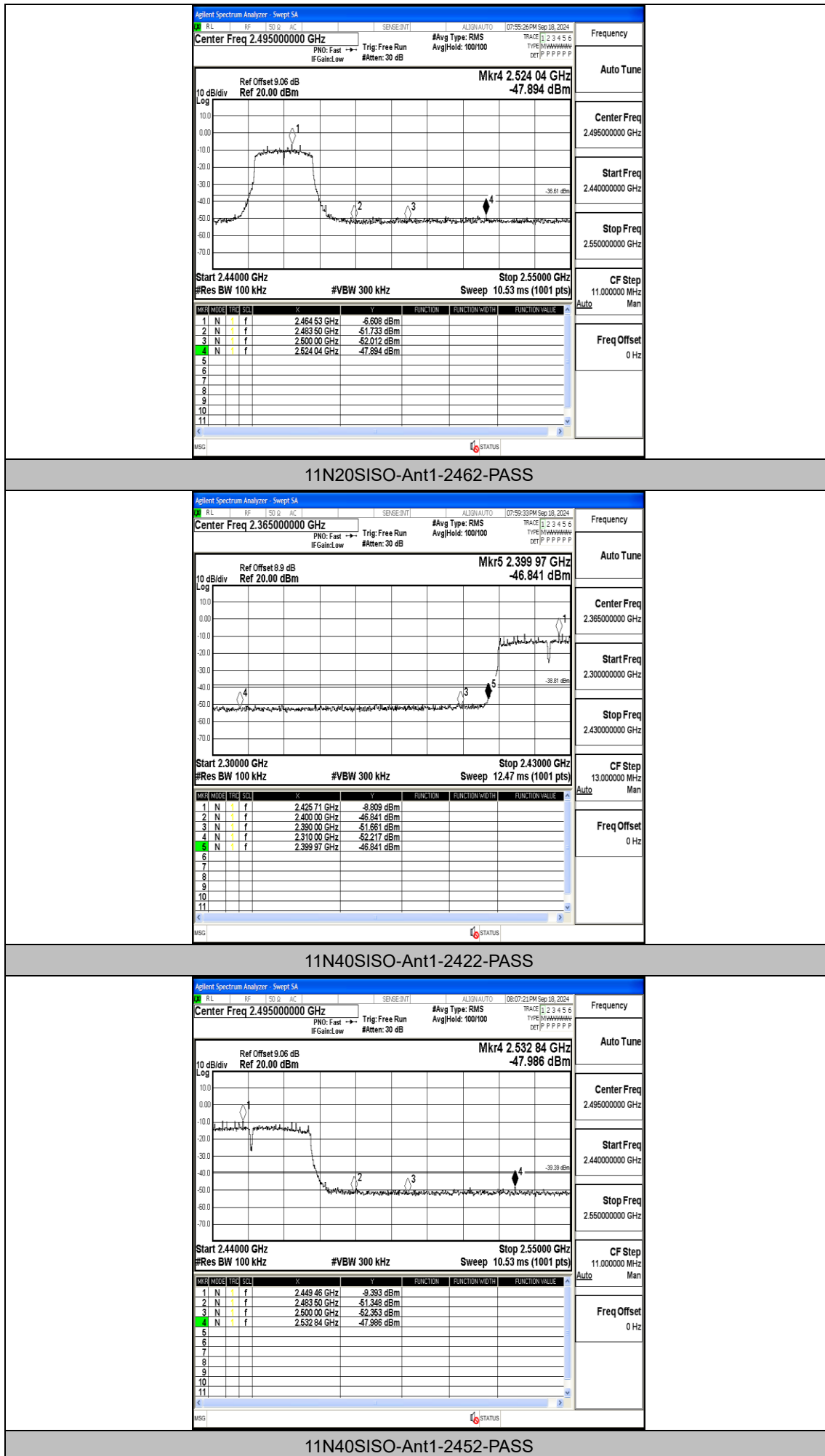
11G-Ant1-2412-PASS



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS

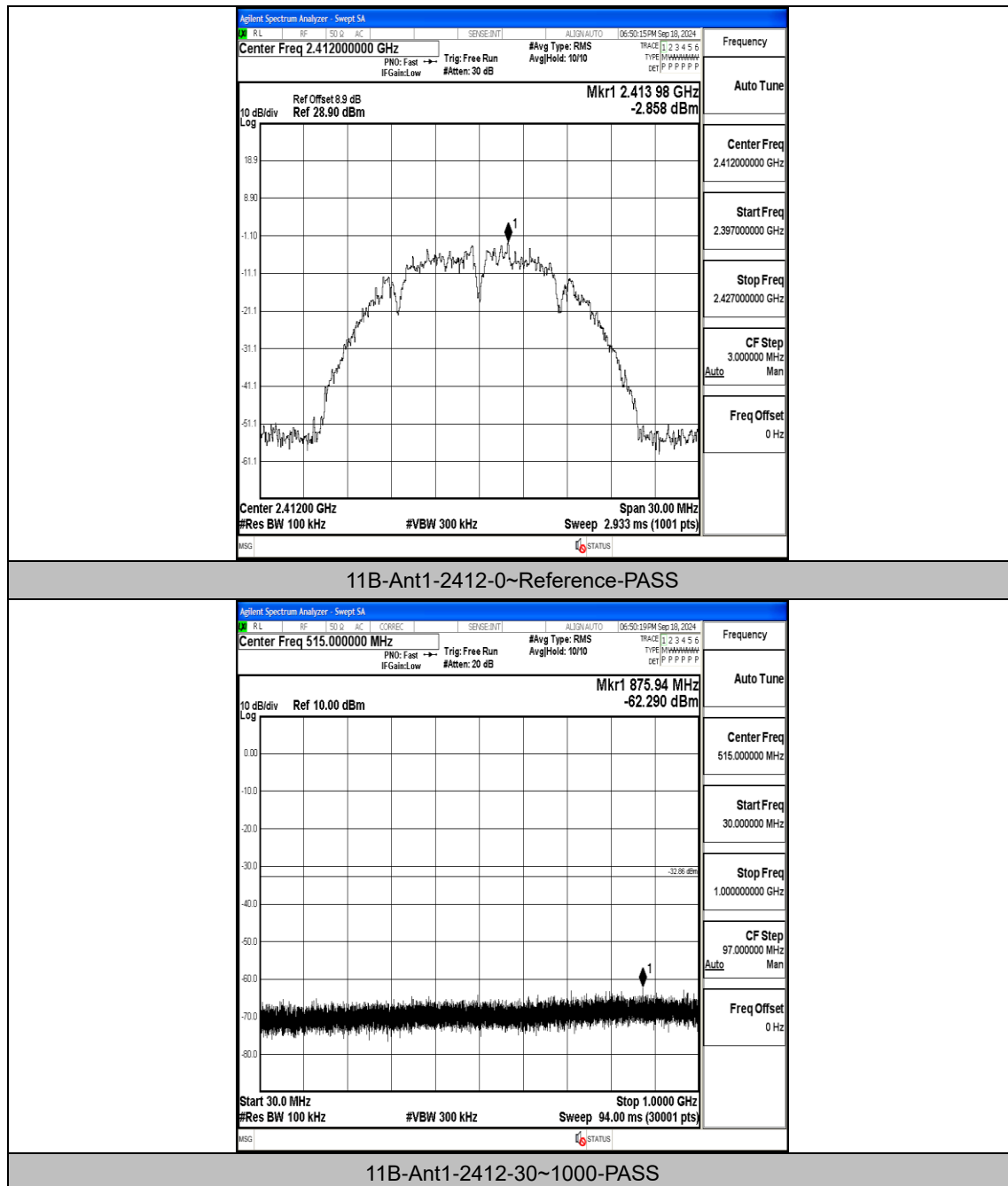


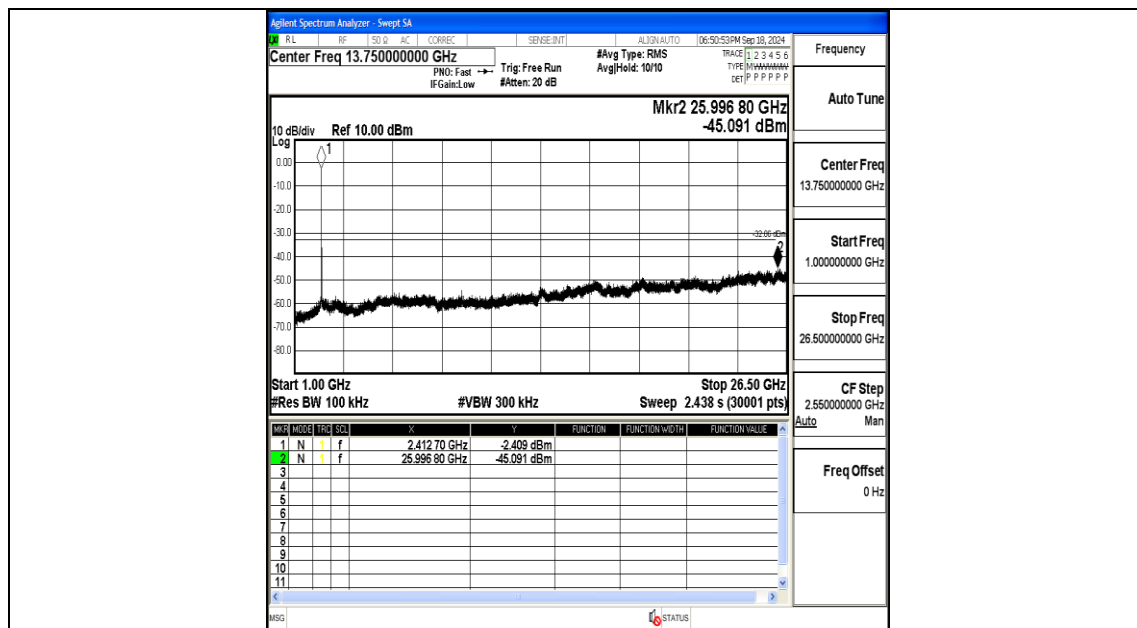
Appendix F: Conducted Spurious Emission

Test Result

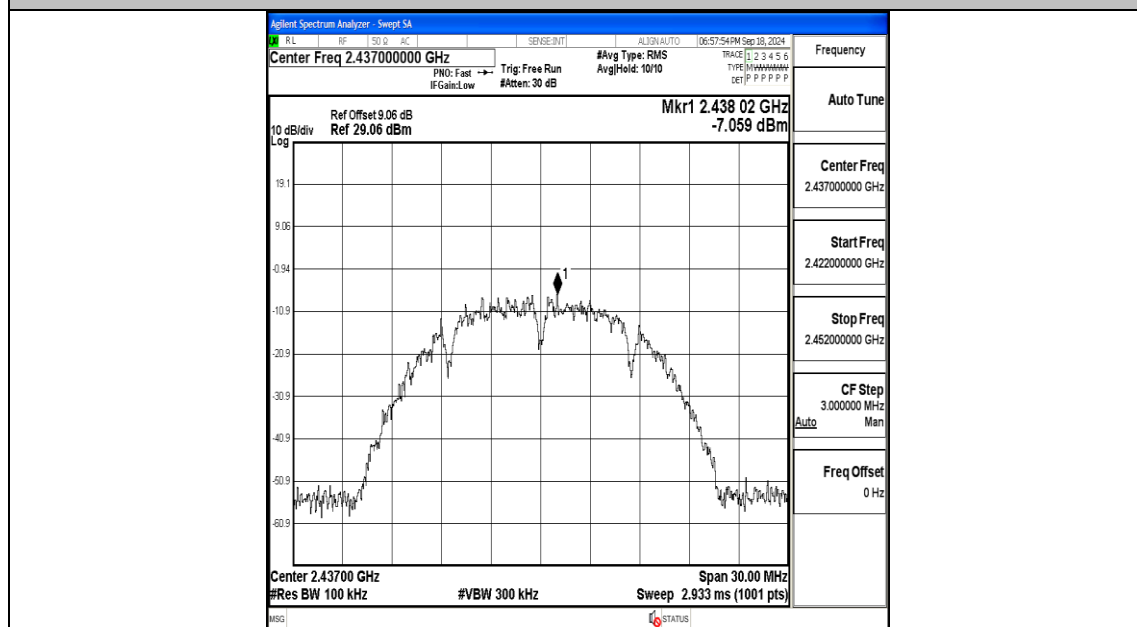
Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	-2.86	-2.86	---	PASS
11B	Ant1	2412	30~1000	-2.86	-62.29	≤-32.86	PASS
11B	Ant1	2412	1000~26500	-2.86	-45.09	≤-32.86	PASS
11B	Ant1	2437	0~Reference	-7.06	-7.06	---	PASS
11B	Ant1	2437	30~1000	-7.06	-62.88	≤-37.06	PASS
11B	Ant1	2437	1000~26500	-7.06	-45	≤-37.06	PASS
11B	Ant1	2462	0~Reference	-6.17	-6.17	---	PASS
11B	Ant1	2462	30~1000	-6.17	-62.94	≤-36.17	PASS
11B	Ant1	2462	1000~26500	-6.17	-45.05	≤-36.17	PASS
11G	Ant1	2412	0~Reference	-9.33	-9.33	---	PASS
11G	Ant1	2412	30~1000	-9.33	-62.41	≤-39.33	PASS
11G	Ant1	2412	1000~26500	-9.33	-45.07	≤-39.33	PASS
11G	Ant1	2437	0~Reference	-9.79	-9.79	---	PASS
11G	Ant1	2437	30~1000	-9.79	-62.86	≤-39.79	PASS
11G	Ant1	2437	1000~26500	-9.79	-45.22	≤-39.79	PASS
11G	Ant1	2462	0~Reference	-9.71	-9.71	---	PASS
11G	Ant1	2462	30~1000	-9.71	-62.74	≤-39.71	PASS
11G	Ant1	2462	1000~26500	-9.71	-44.93	≤-39.71	PASS
11N20SISO	Ant1	2412	0~Reference	-6.56	-6.56	---	PASS
11N20SISO	Ant1	2412	30~1000	-6.56	-61.84	≤-36.56	PASS
11N20SISO	Ant1	2412	1000~26500	-6.56	-45.27	≤-36.56	PASS
11N20SISO	Ant1	2437	0~Reference	-10.18	-10.18	---	PASS
11N20SISO	Ant1	2437	30~1000	-10.18	-62.56	≤-40.18	PASS
11N20SISO	Ant1	2437	1000~26500	-10.18	-45.04	≤-40.18	PASS
11N20SISO	Ant1	2462	0~Reference	-8.22	-8.22	---	PASS
11N20SISO	Ant1	2462	30~1000	-8.22	-62.03	≤-38.22	PASS
11N20SISO	Ant1	2462	1000~26500	-8.22	-44.93	≤-38.22	PASS
11N40SISO	Ant1	2422	0~Reference	-11.07	-11.07	---	PASS
11N40SISO	Ant1	2422	30~1000	-11.07	-62.5	≤-41.07	PASS
11N40SISO	Ant1	2422	1000~26500	-11.07	-44.85	≤-41.07	PASS
11N40SISO	Ant1	2437	0~Reference	-9.18	-9.18	---	PASS
11N40SISO	Ant1	2437	30~1000	-9.18	-62.64	≤-39.18	PASS
11N40SISO	Ant1	2437	1000~26500	-9.18	-44.96	≤-39.18	PASS
11N40SISO	Ant1	2452	0~Reference	-9.60	-9.60	---	PASS
11N40SISO	Ant1	2452	30~1000	-9.60	-62.43	≤-39.6	PASS
11N40SISO	Ant1	2452	1000~26500	-9.60	-44.32	≤-39.6	PASS

Test Graphs

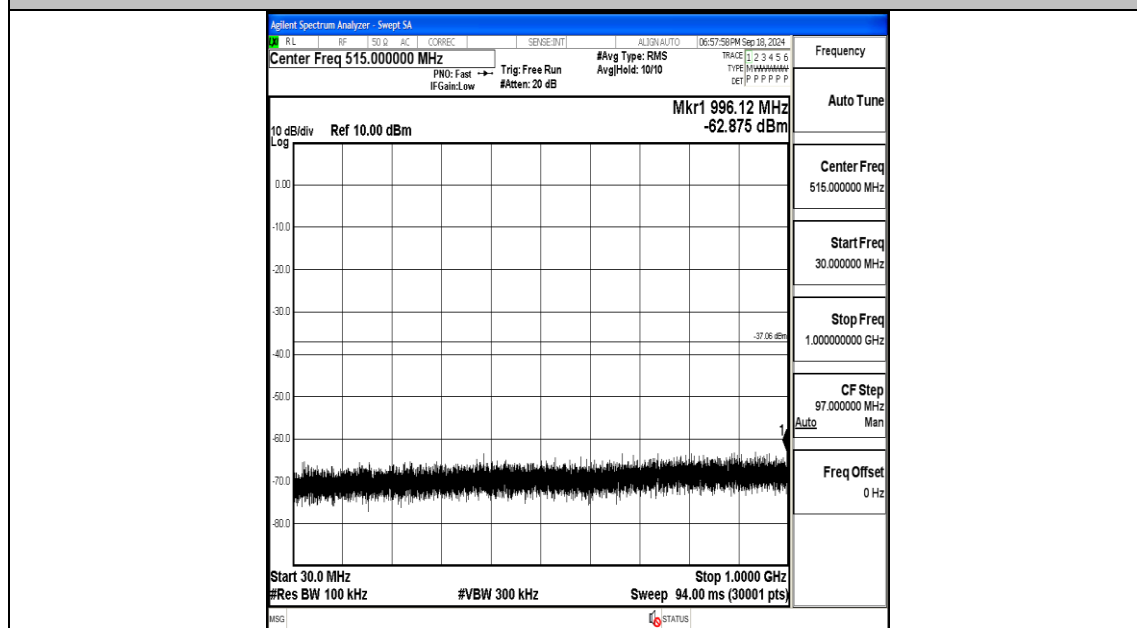




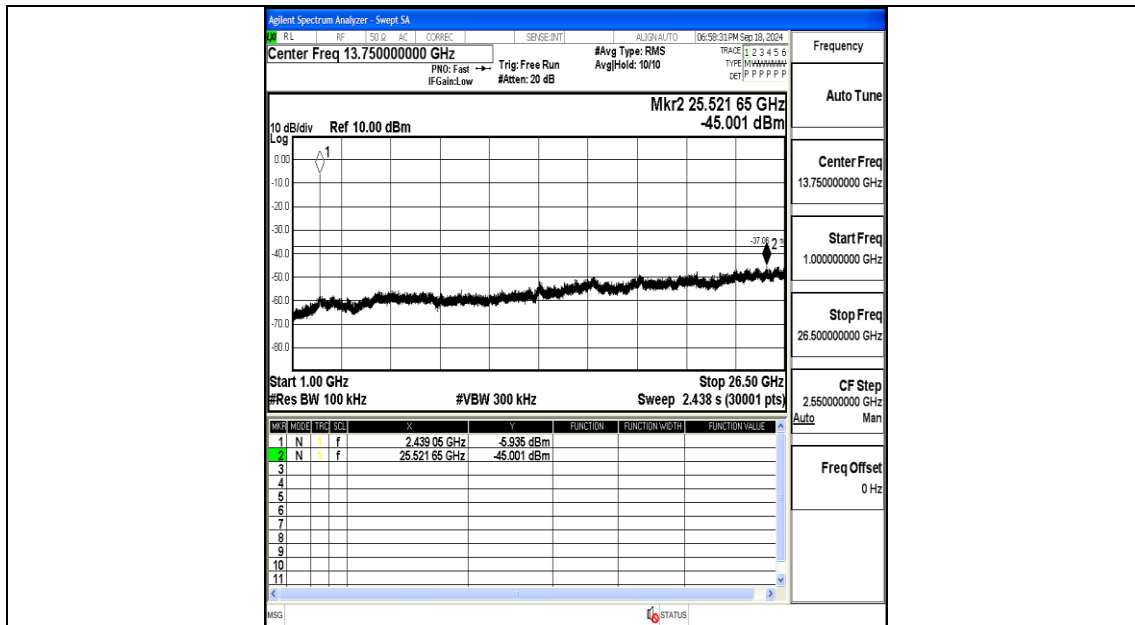
11B-Ant1-2412-1000~26500-PASS



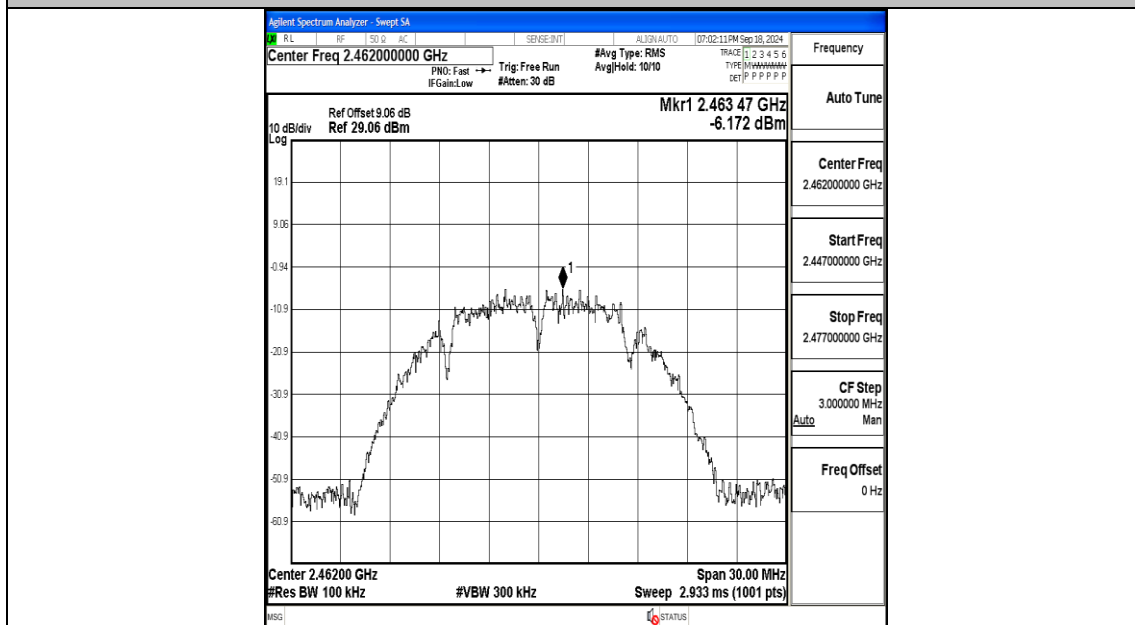
11B-Ant1-2437-0~Reference-PASS



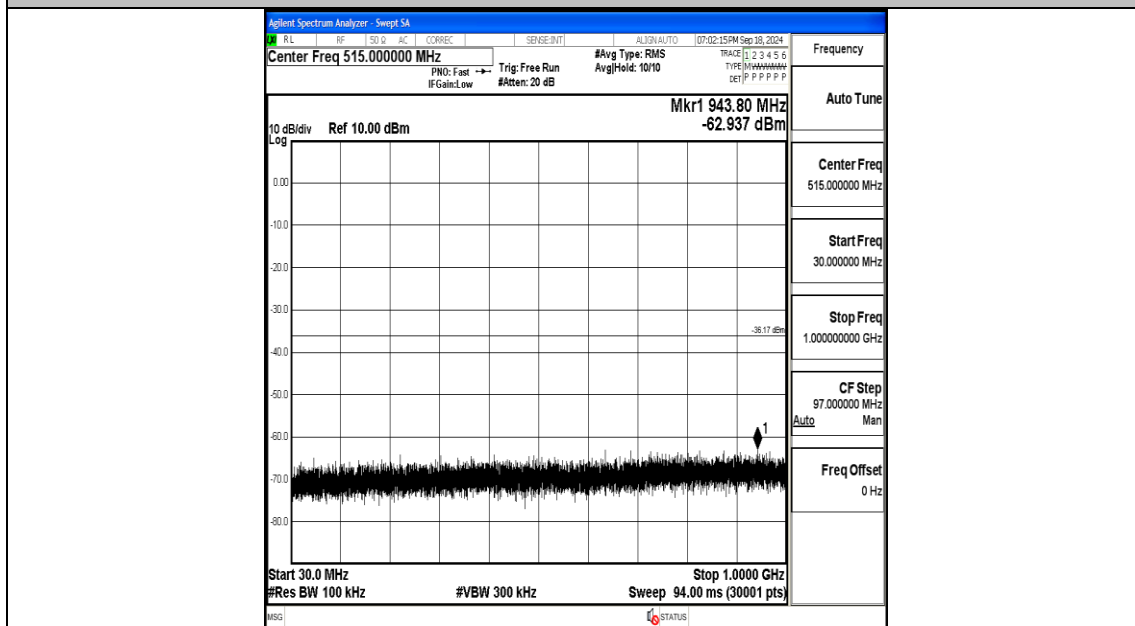
11B-Ant1-2437-30~1000-PASS



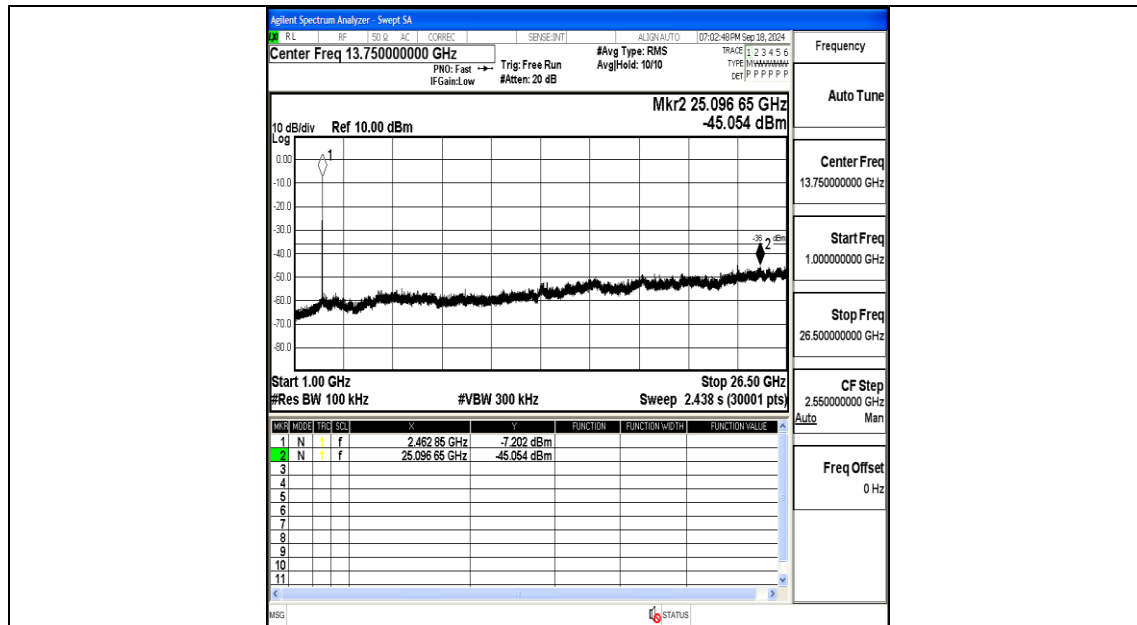
11B-Ant1-2437-1000~26500-PASS



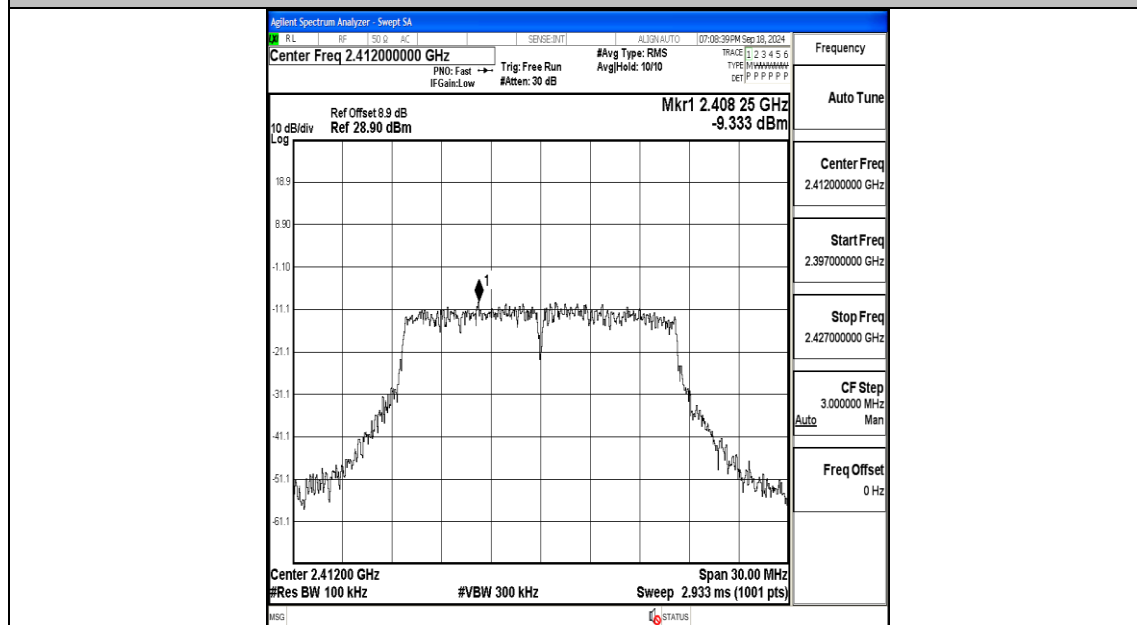
11B-Ant1-2462-0~Reference-PASS



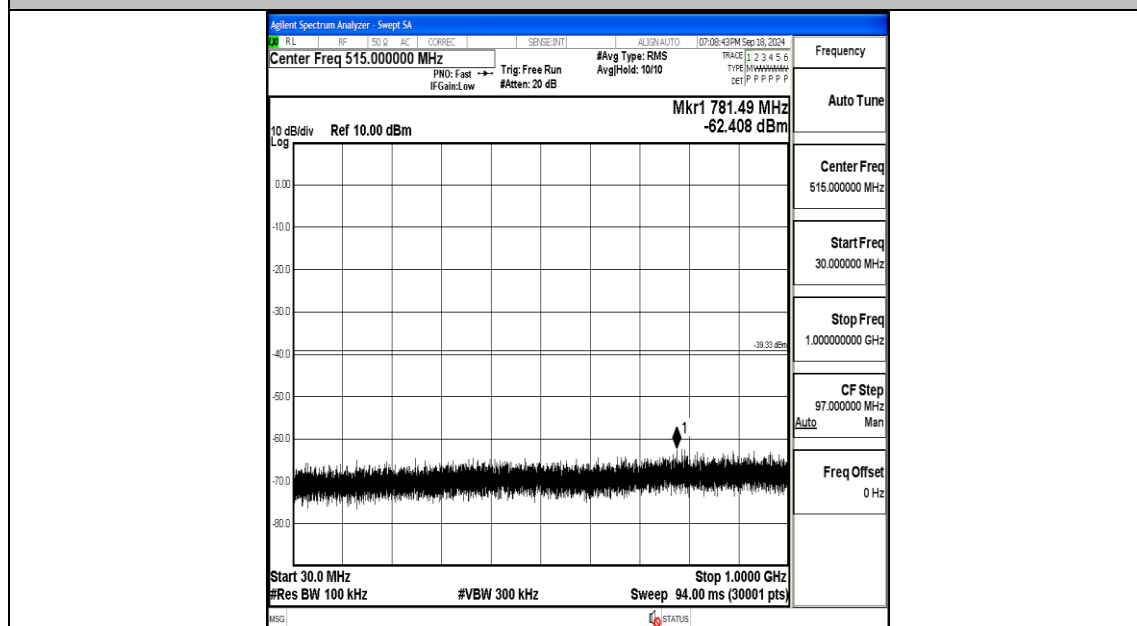
11B-Ant1-2462-30~1000-PASS



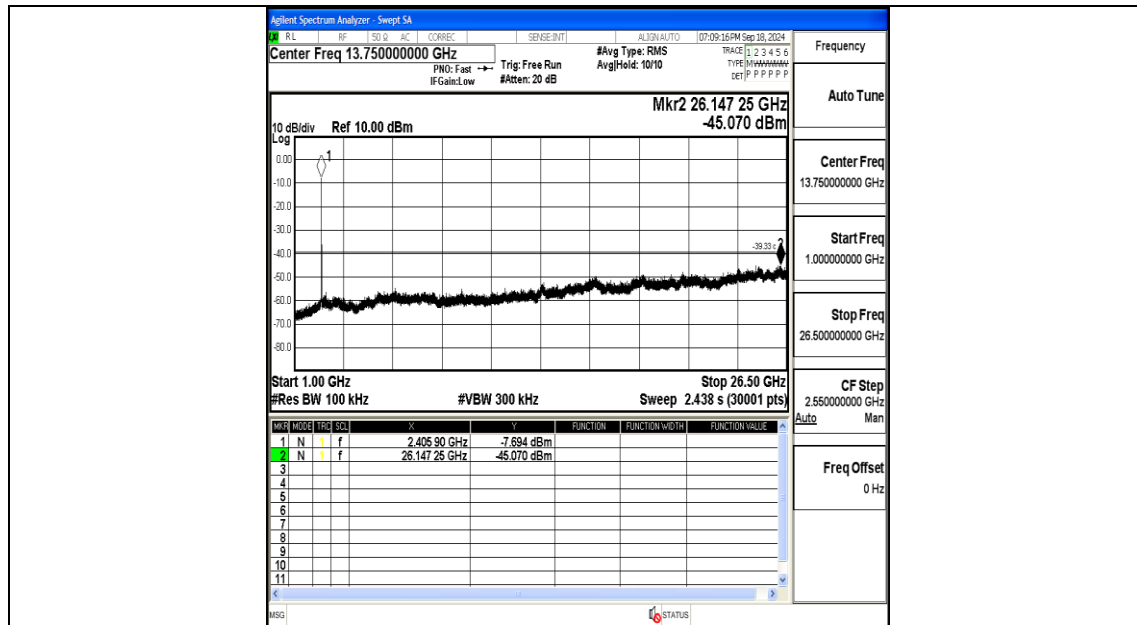
11B-Ant1-2462-1000~26500-PASS



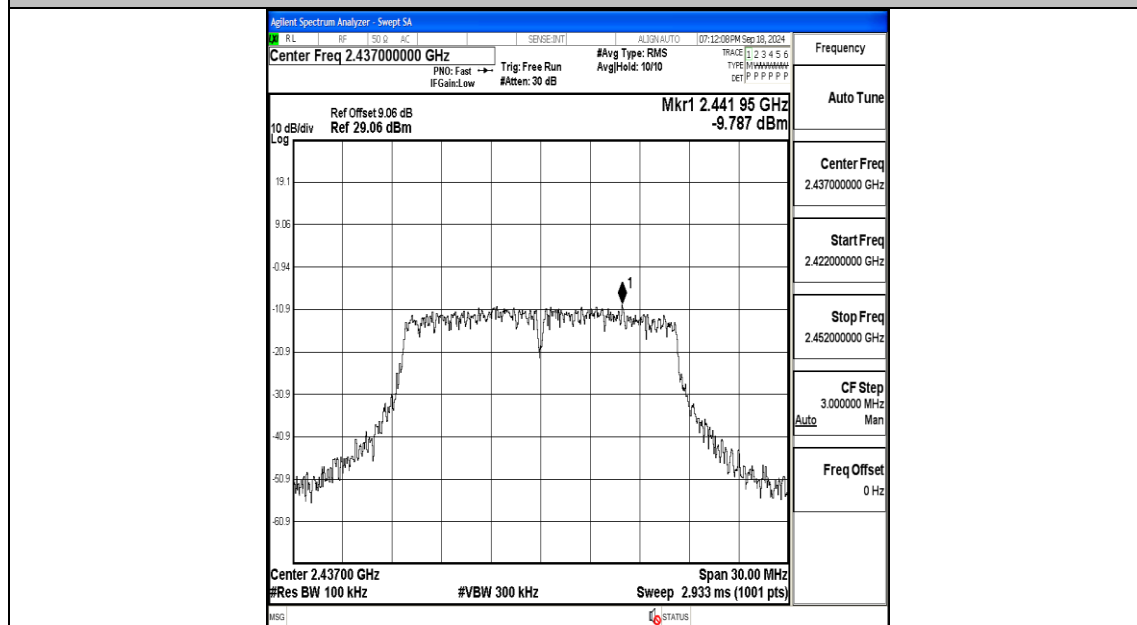
11G-Ant1-2412-0~Reference-PASS



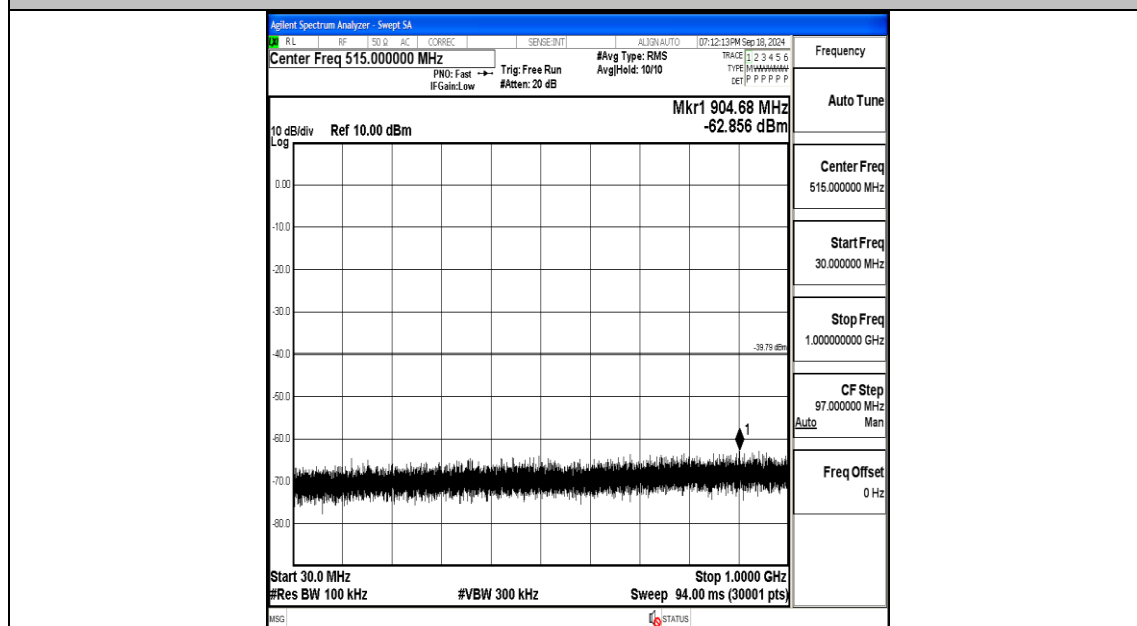
11G-Ant1-2412-30~1000-PASS



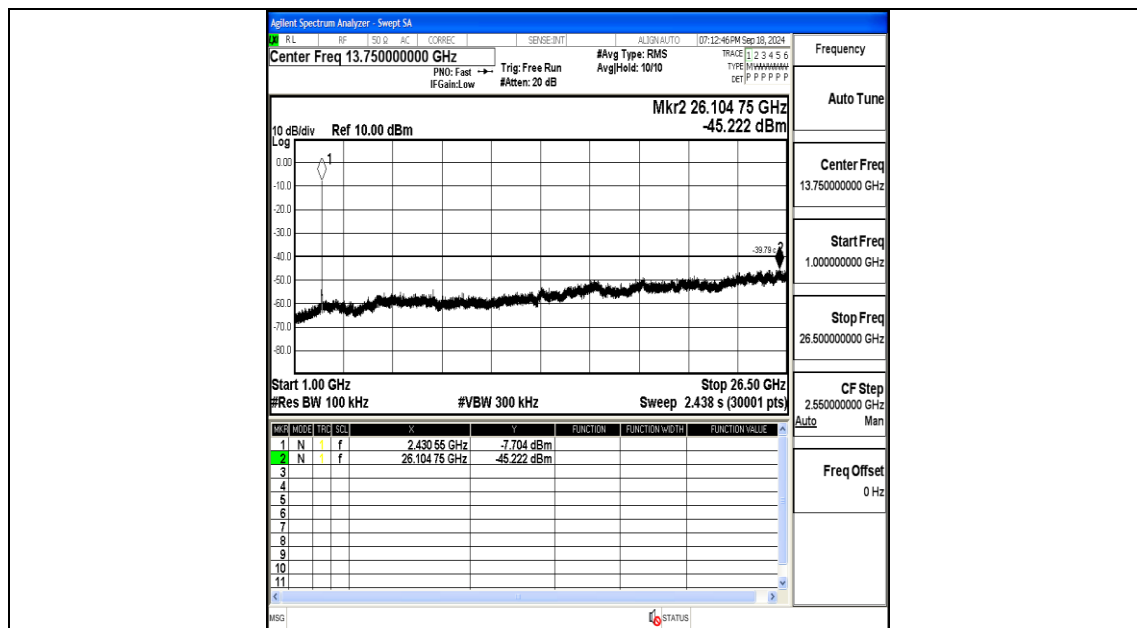
11G-Ant1-2412-1000~26500-PASS



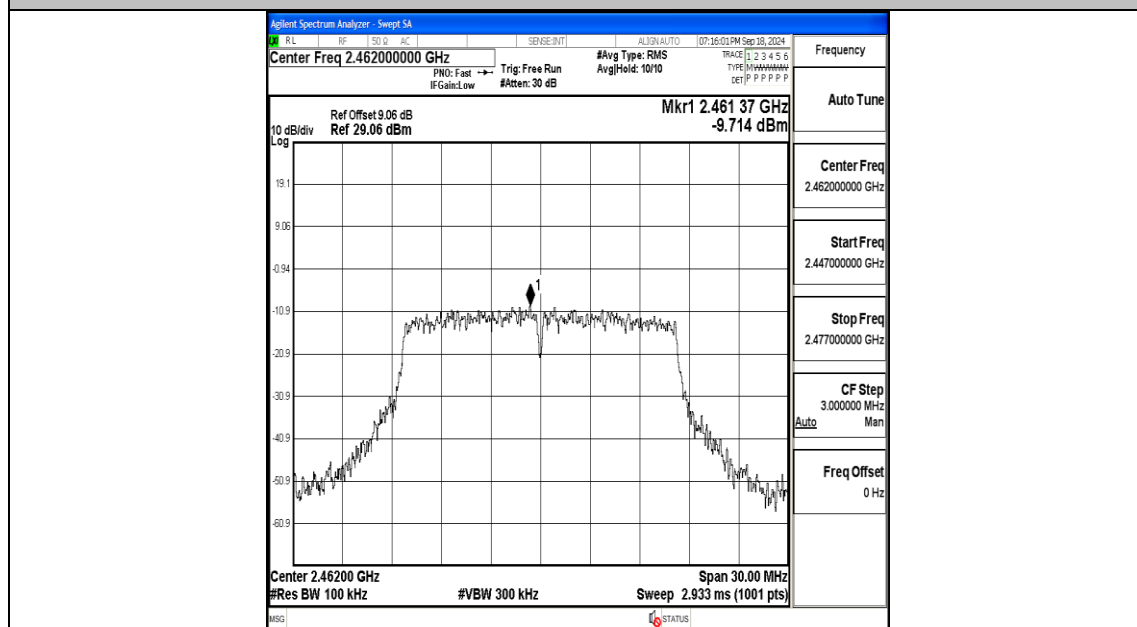
11G-Ant1-2437-0~Reference-PASS



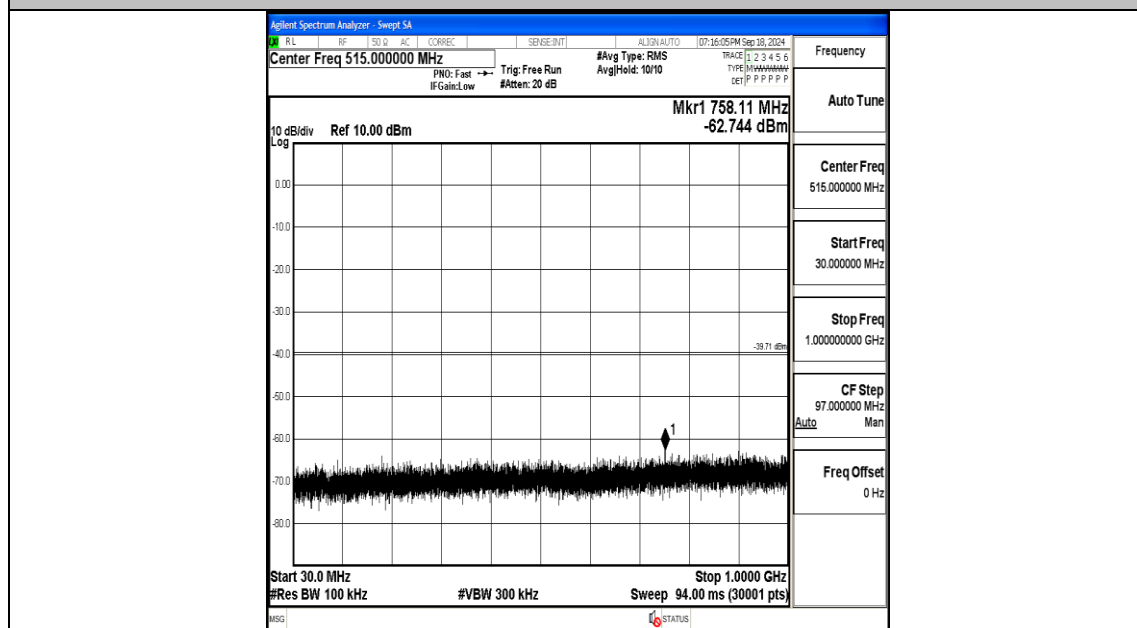
11G-Ant1-2437-30~1000-PASS



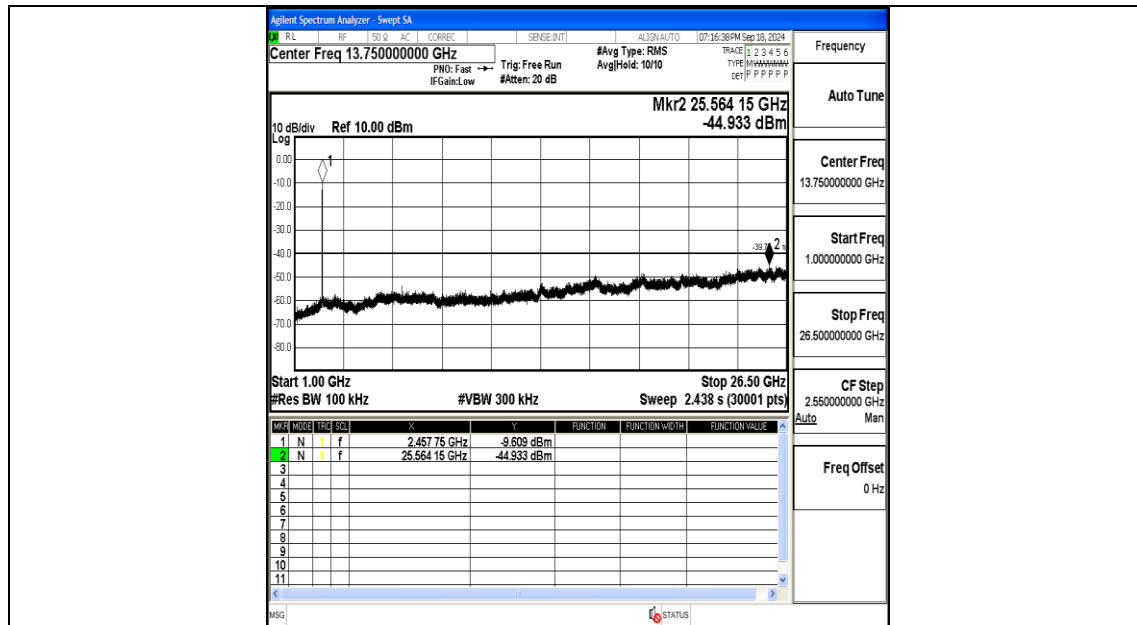
11G-Ant1-2437-1000~26500-PASS



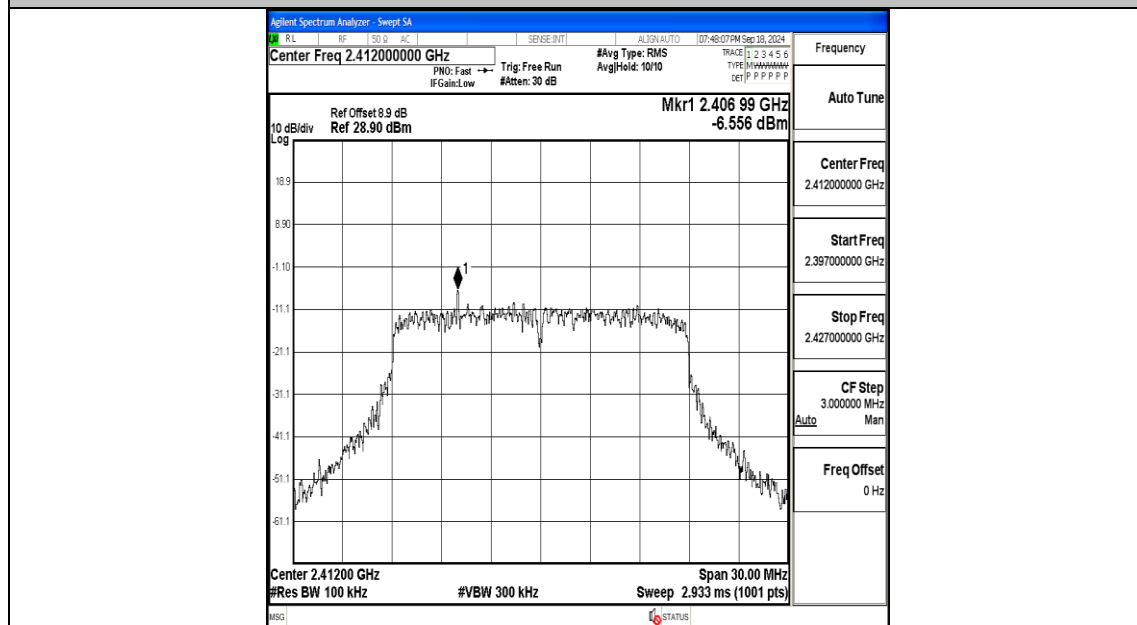
11G-Ant1-2462-0~Reference-PASS



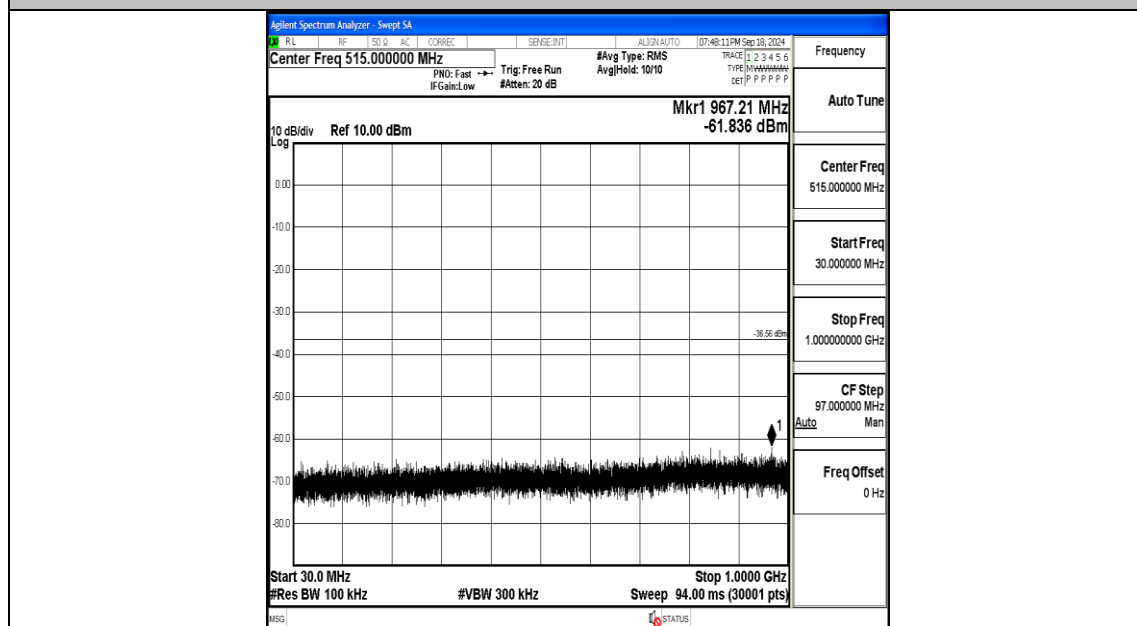
11G-Ant1-2462-30~1000-PASS



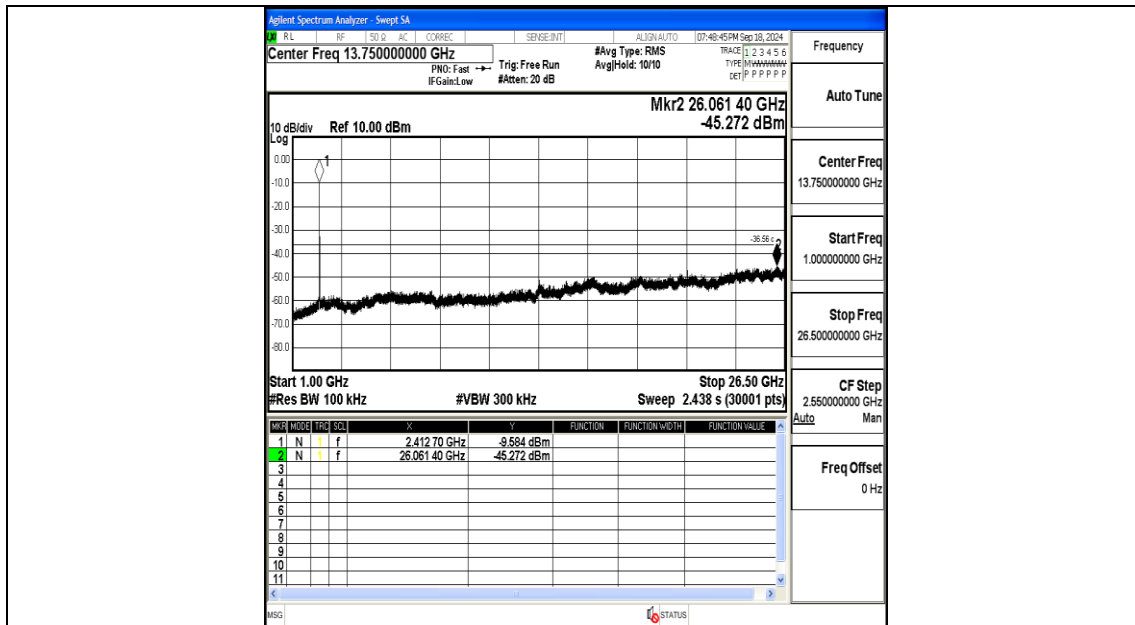
11G-Ant1-2462-1000~26500-PASS



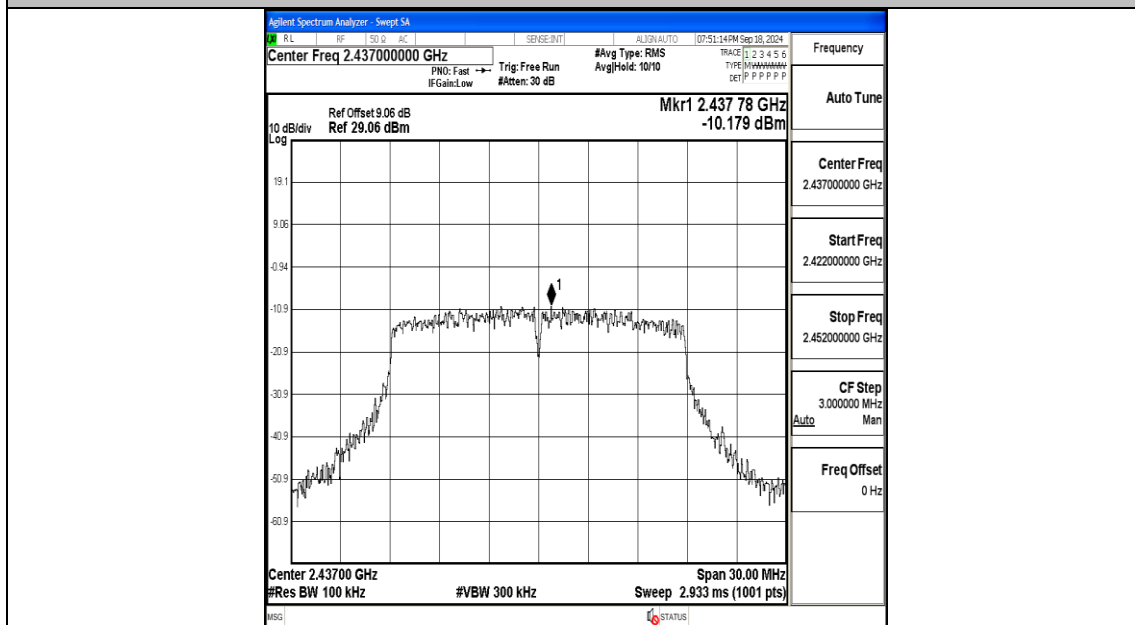
11N20SISO-Ant1-2412-0~Reference-PASS



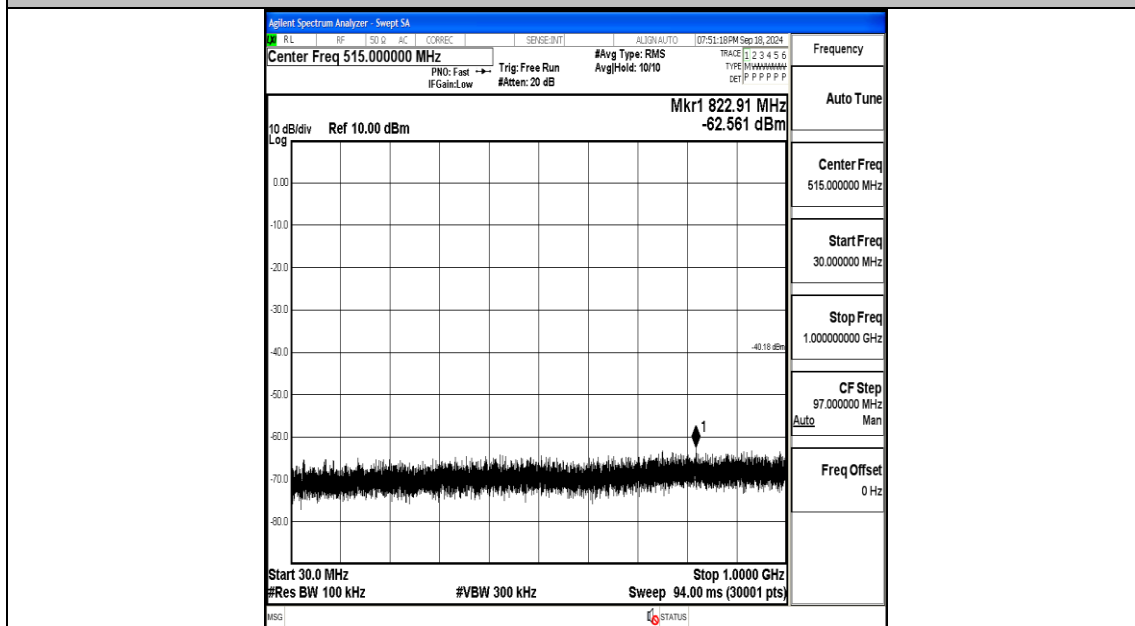
11N20SISO-Ant1-2412-30~1000-PASS



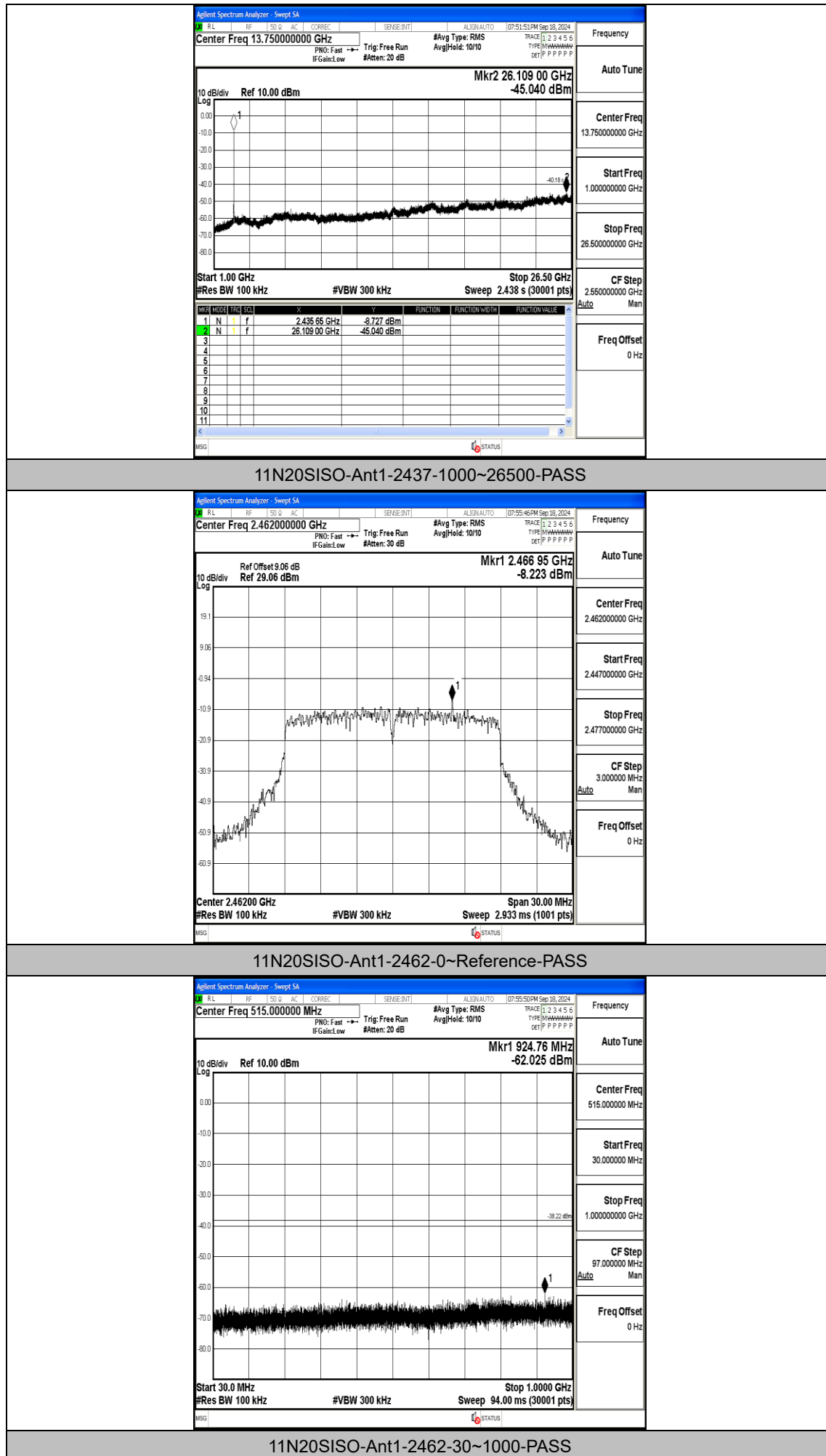
11N20SISO-Ant1-2412-1000~26500-PASS

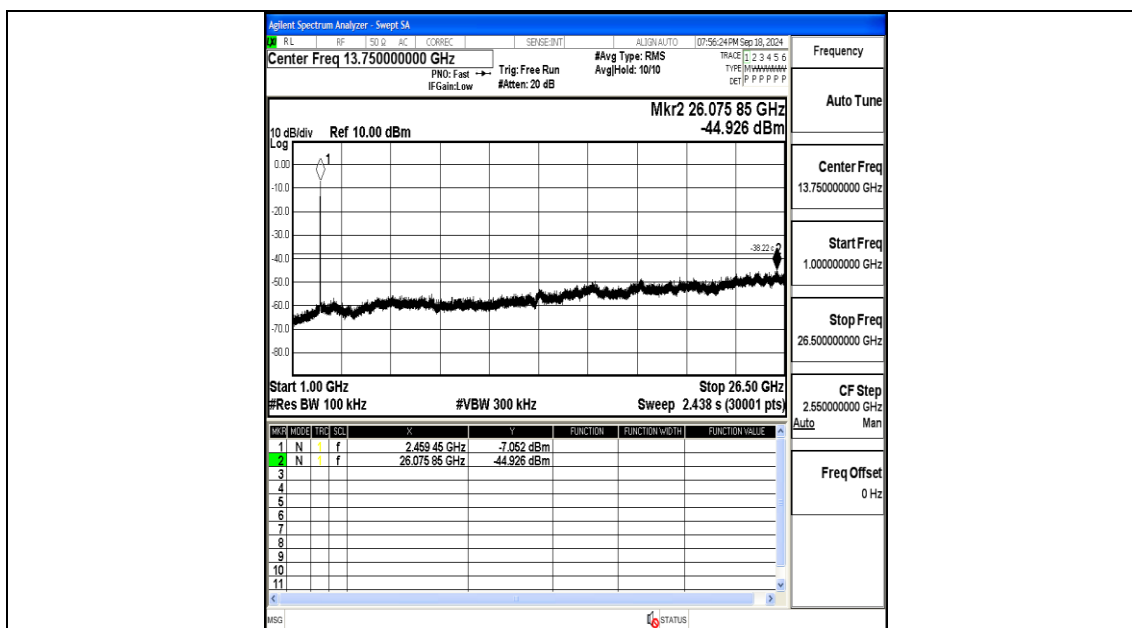


11N20SISO-Ant1-2437-0~Reference-PASS

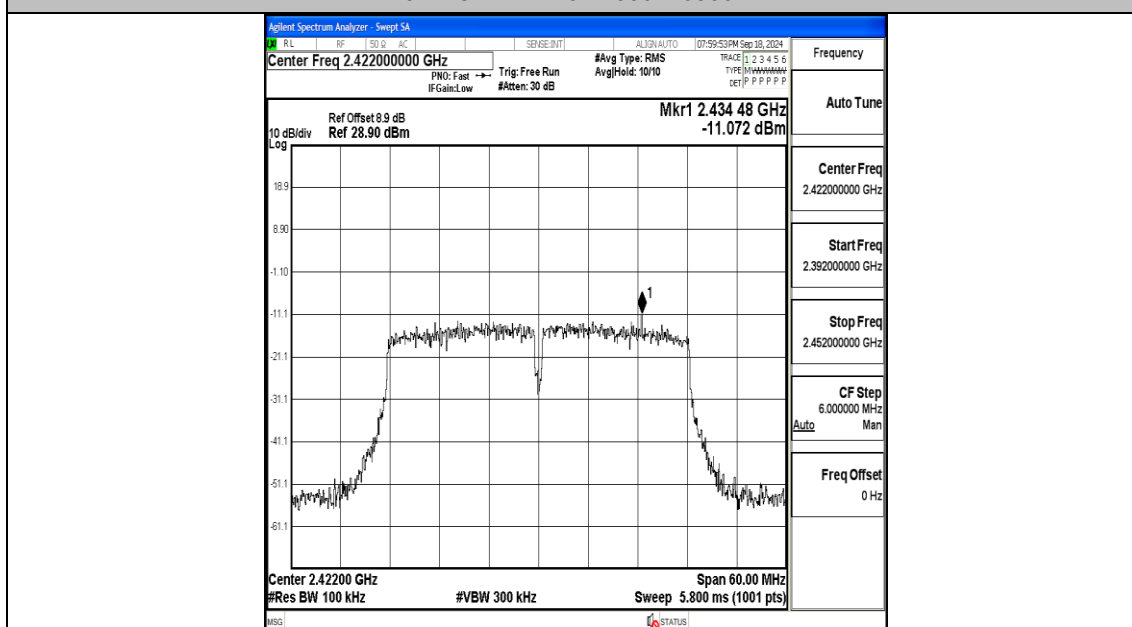


11N20SISO-Ant1-2437-30~1000-PASS

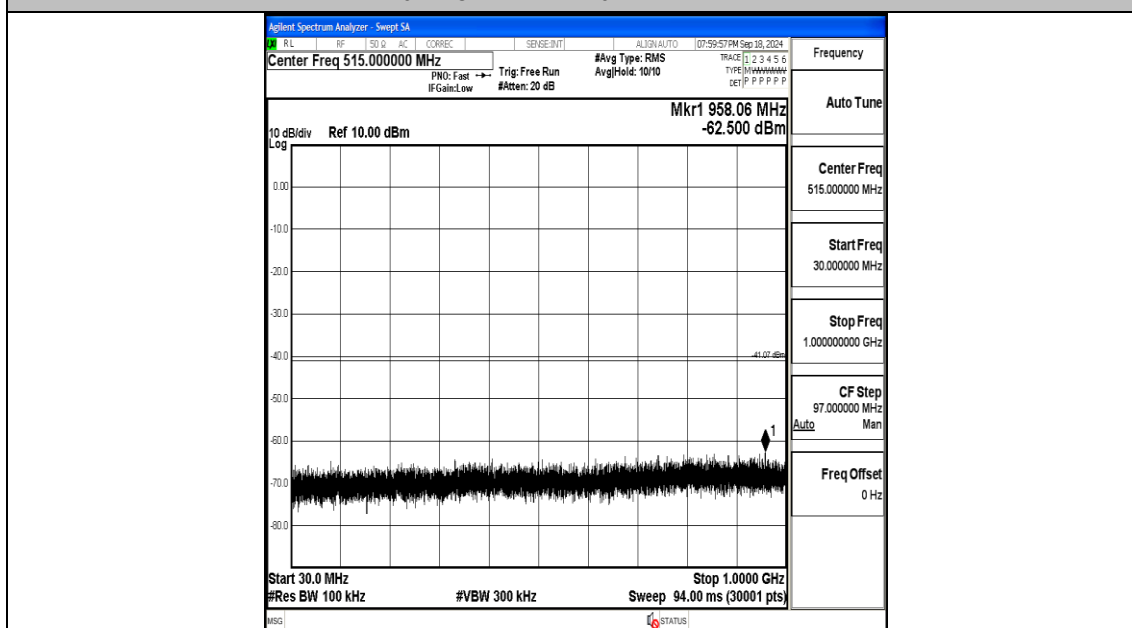




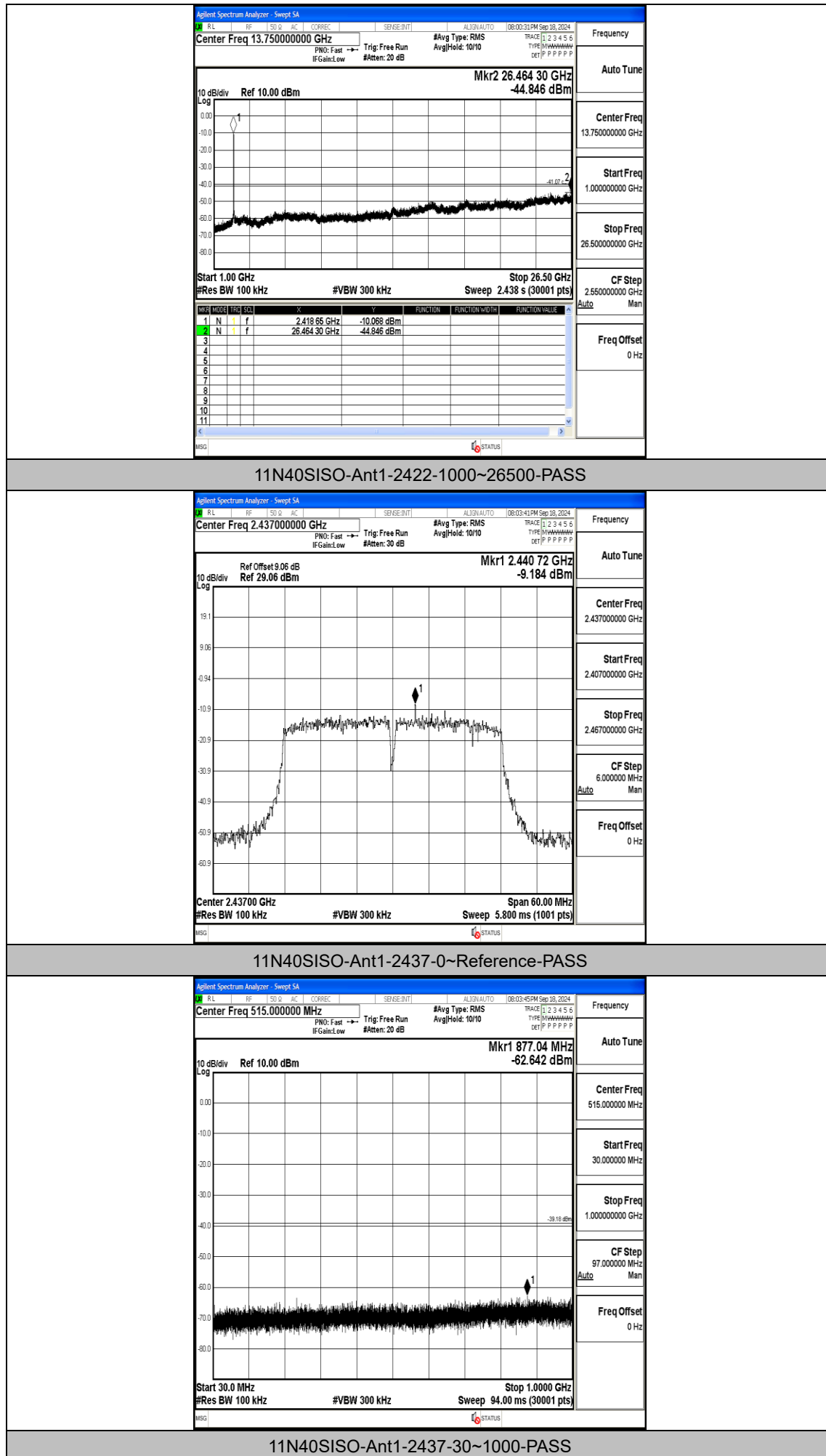
11N20SISO-Ant1-2462-1000~26500-PASS

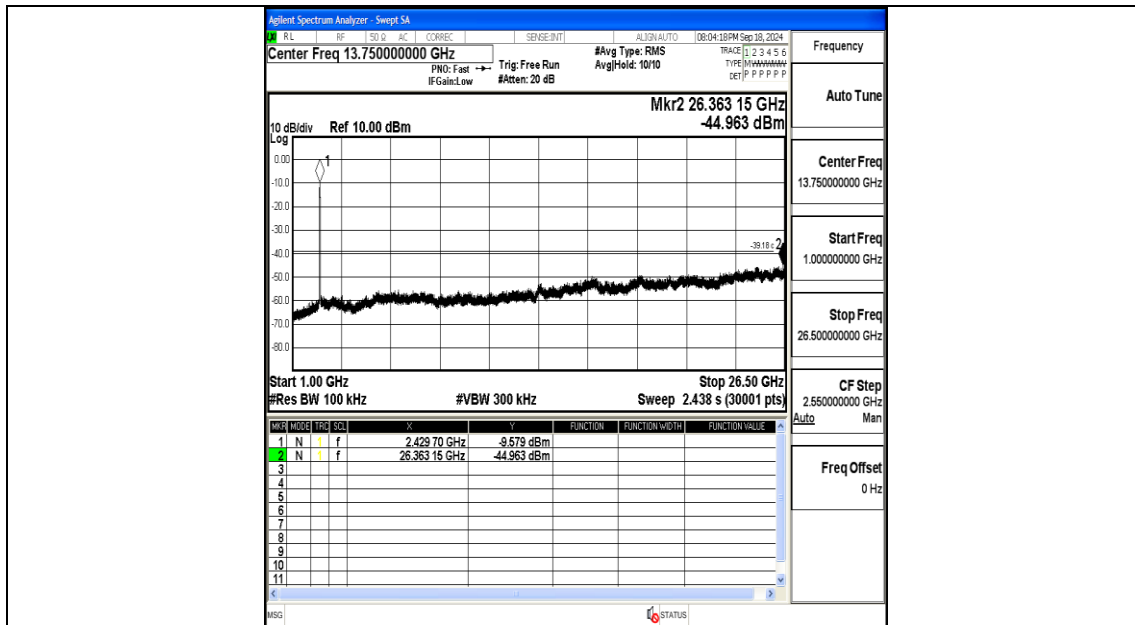


11N40SISO-Ant1-2422-0~Reference-PASS

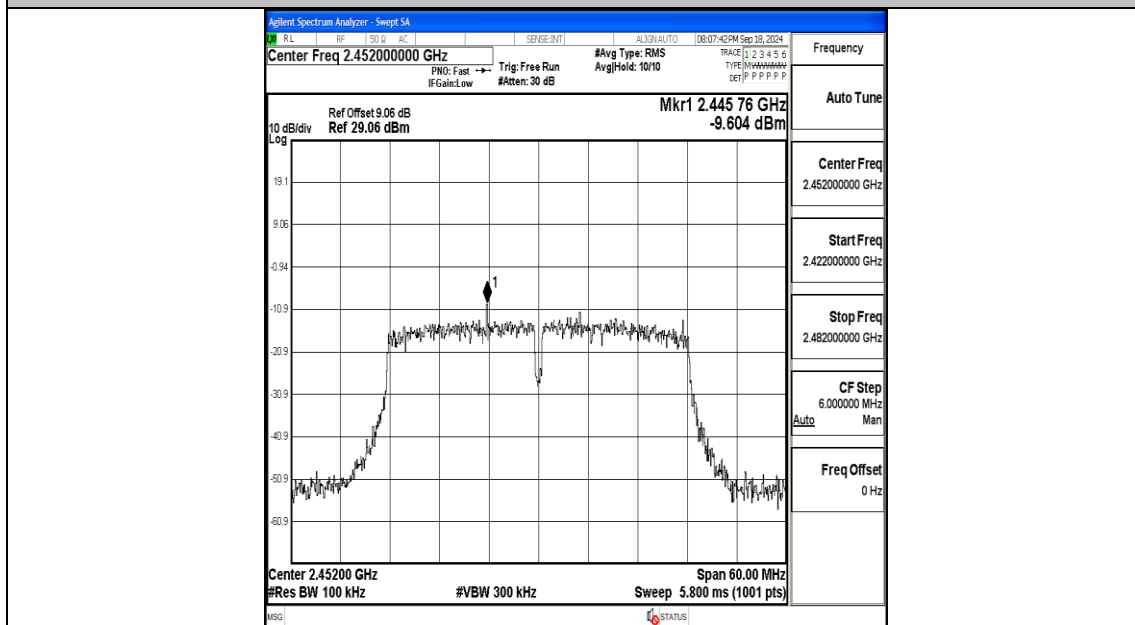


11N40SISO-Ant1-2422-30~1000-PASS

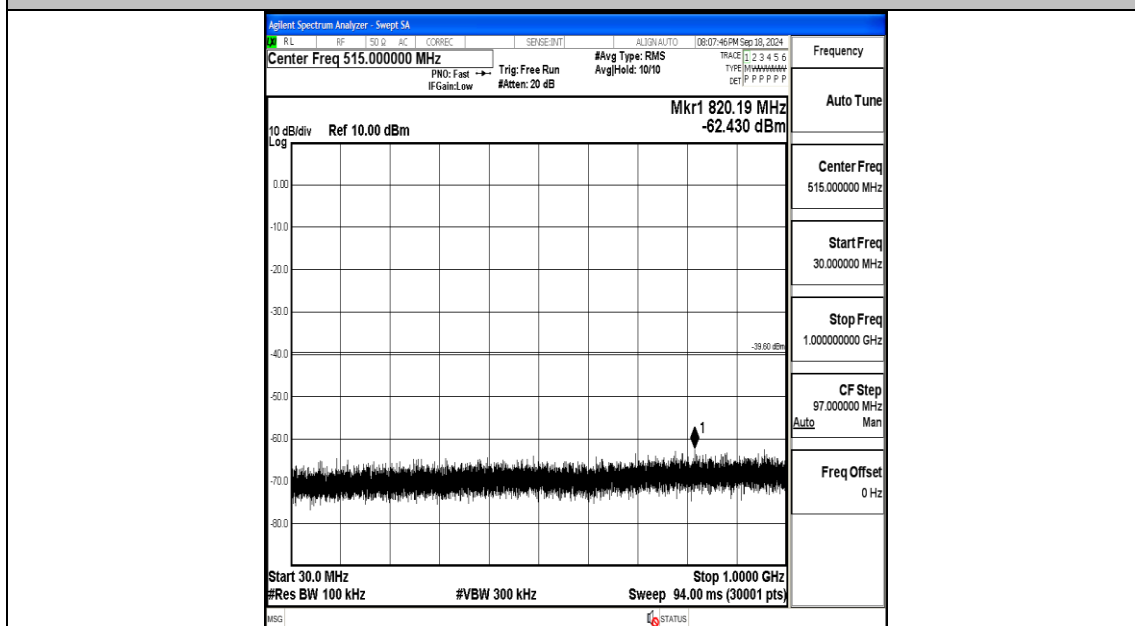




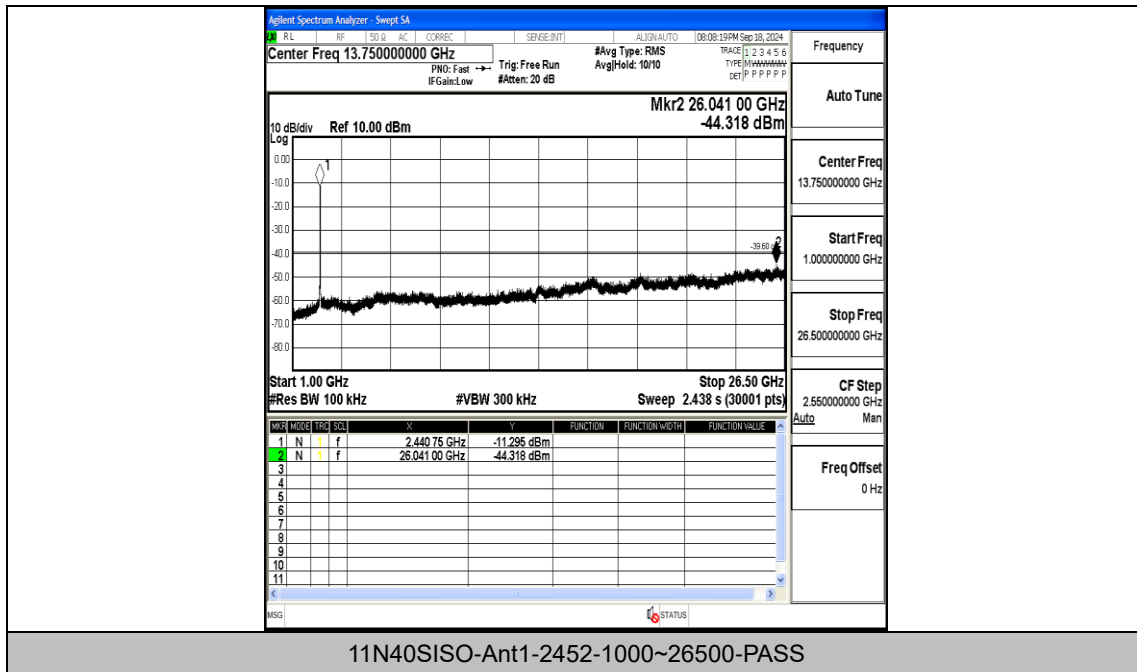
11N40SISO-Ant1-2437-1000~26500-PASS



11N40SISO-Ant1-2452-0~Reference-PASS



11N40SISO-Ant1-2452-30~1000-PASS



Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	12.42	12.90	96.28	0.16
11B	Ant1	2437	12.42	12.87	96.50	0.15
11B	Ant1	2462	12.41	12.85	96.58	0.15
11G	Ant1	2412	2.07	2.16	95.83	0.18
11G	Ant1	2437	2.06	2.17	94.93	0.23
11G	Ant1	2462	2.06	2.26	91.15	0.40
11N20SISO	Ant1	2412	1.92	2.15	89.30	0.49
11N20SISO	Ant1	2437	1.92	2.12	90.57	0.43
11N20SISO	Ant1	2462	1.92	2.08	92.31	0.35
11N40SISO	Ant1	2422	0.95	1.09	87.16	0.60
11N40SISO	Ant1	2437	0.94	1.15	81.74	0.88
11N40SISO	Ant1	2452	0.95	1.15	82.61	0.83

Test Graphs

