

Appendix Test Data for WLAN(2.4G) (Conducted Measurement)

Product Name: mobile phone

Trade Mark: aderroo

Test Model: Reno6 pro

FCC ID: 2BE8S-RENO6PRO

Environmental Conditions

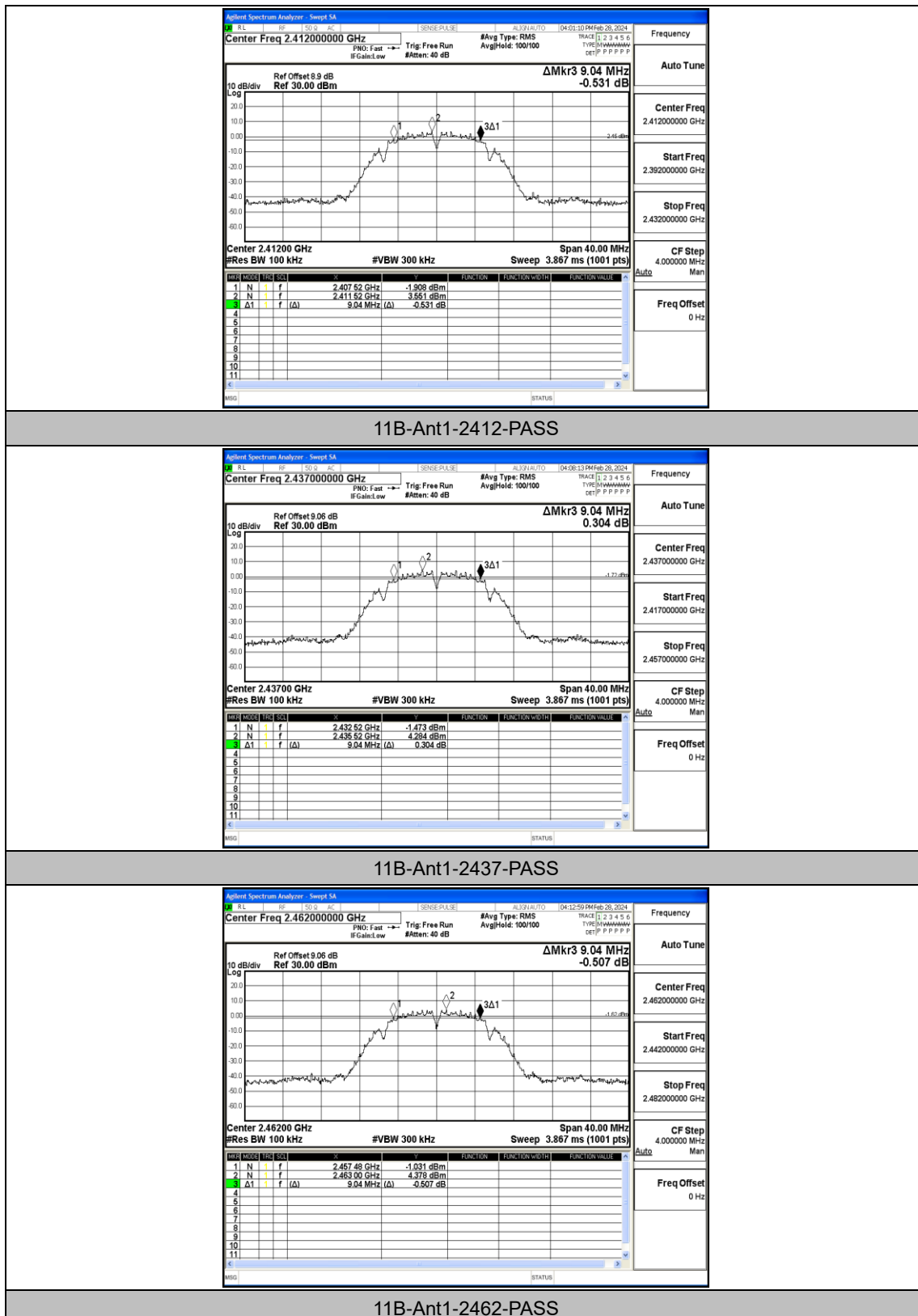
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

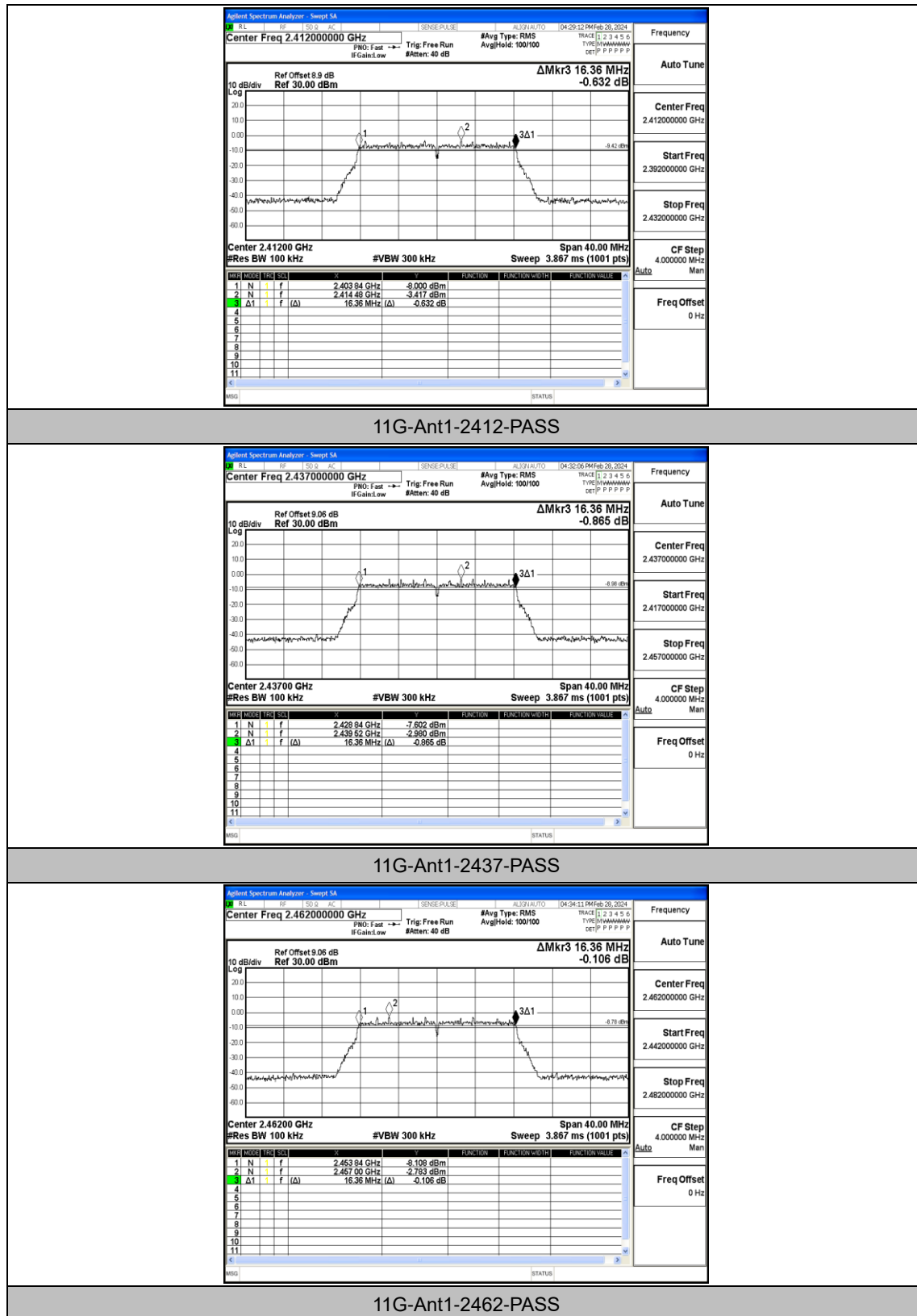
Appendix A: DTS Bandwidth

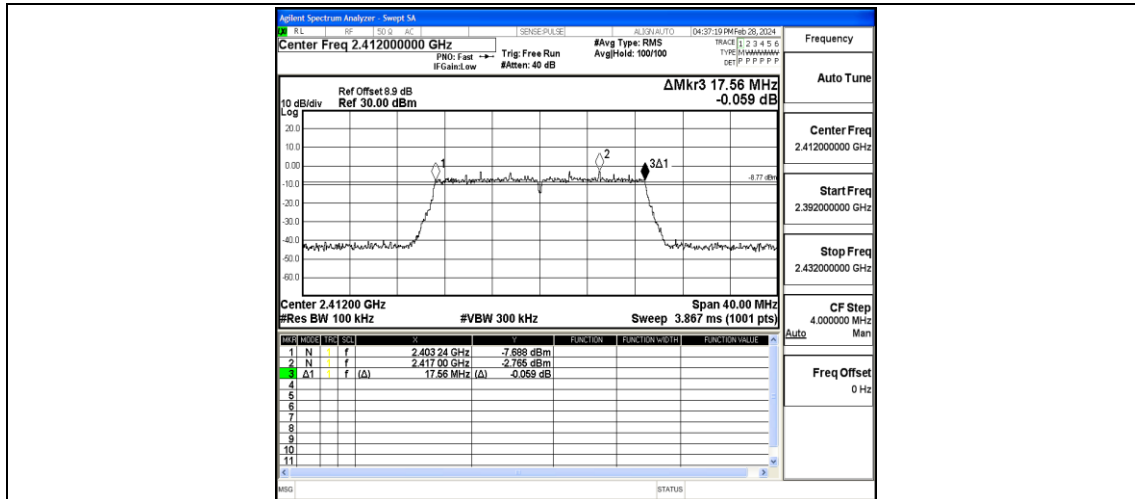
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.520	2416.560	0.5	PASS
11B	Ant1	2437	9.040	2432.520	2441.560	0.5	PASS
11B	Ant1	2462	9.040	2457.480	2466.520	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
11G	Ant1	2437	16.360	2428.840	2445.200	0.5	PASS
11G	Ant1	2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	0.5	PASS
11N20SISO	Ant1	2437	17.640	2428.200	2445.840	0.5	PASS
11N20SISO	Ant1	2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.240	2439.920	0.5	PASS
11N40SISO	Ant1	2437	36.080	2419.080	2455.160	0.5	PASS
11N40SISO	Ant1	2452	36.080	2434.080	2470.160	0.5	PASS

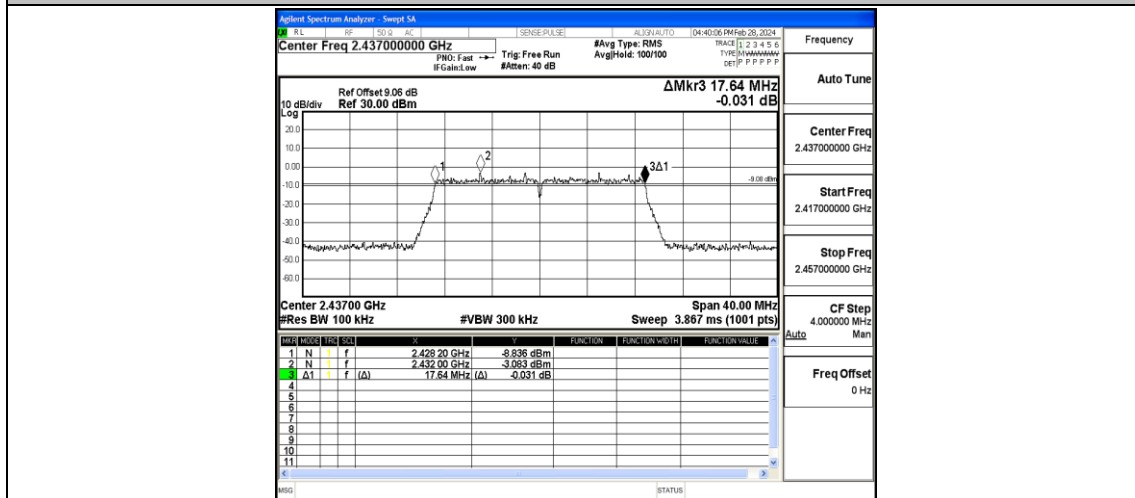
Test Graphs



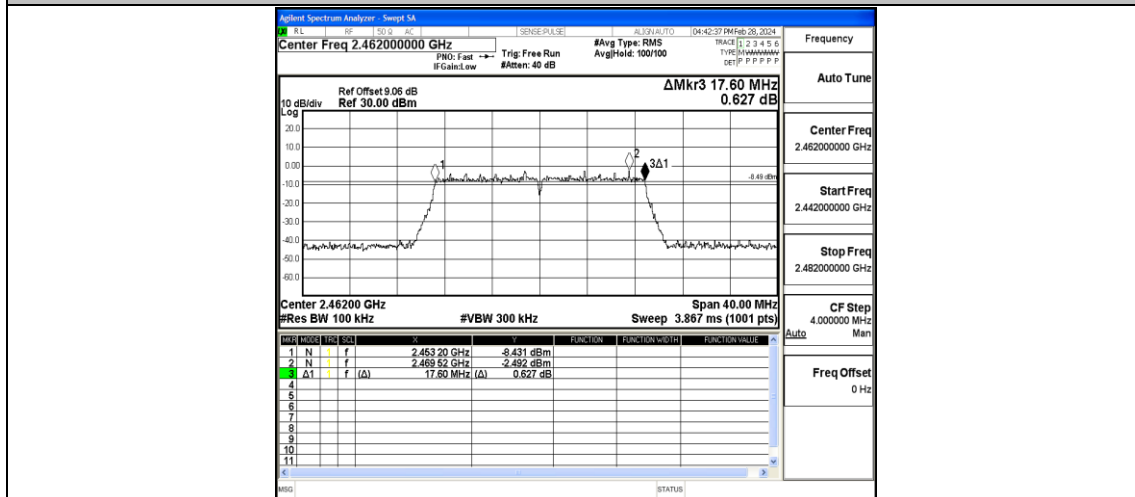




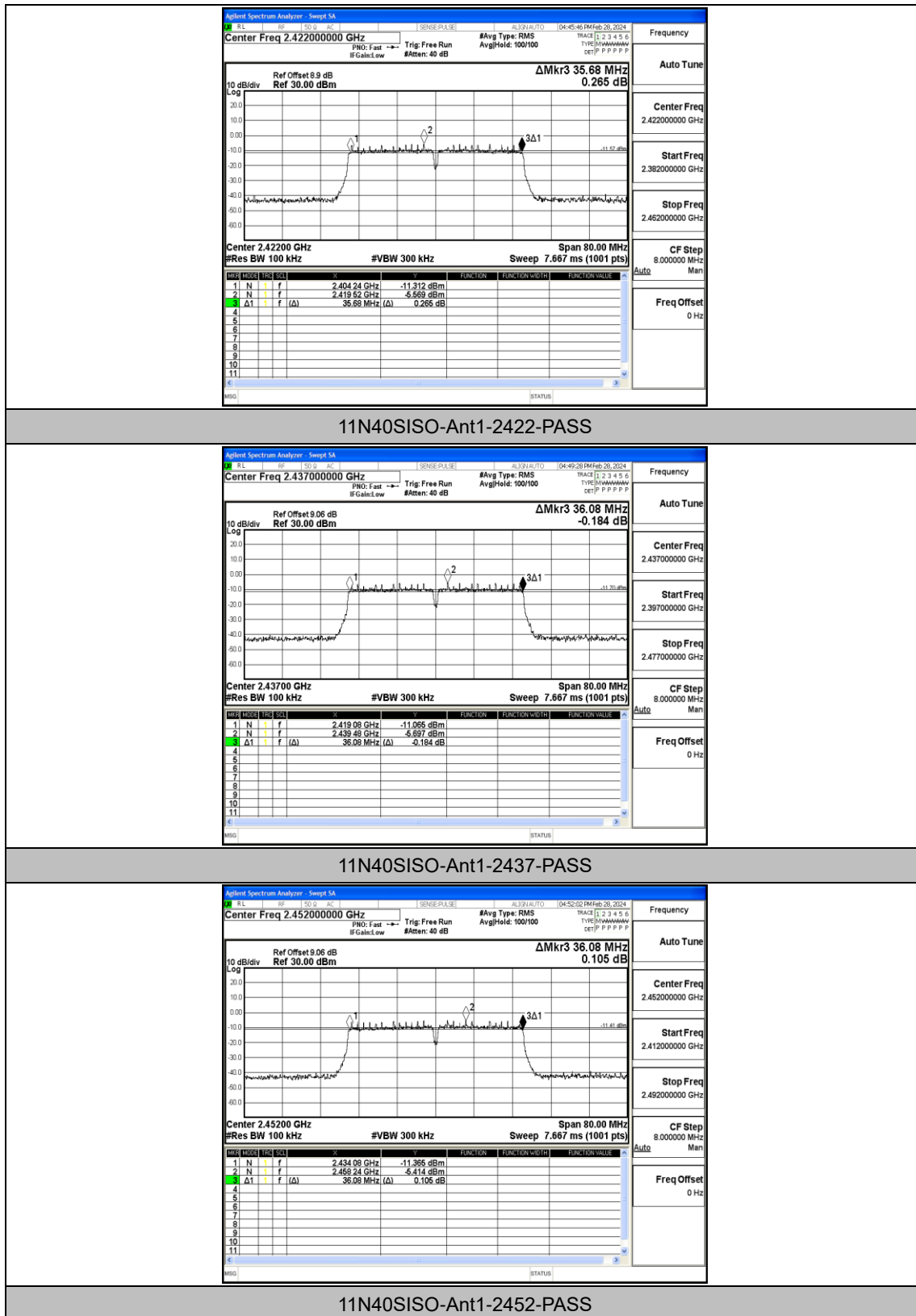
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

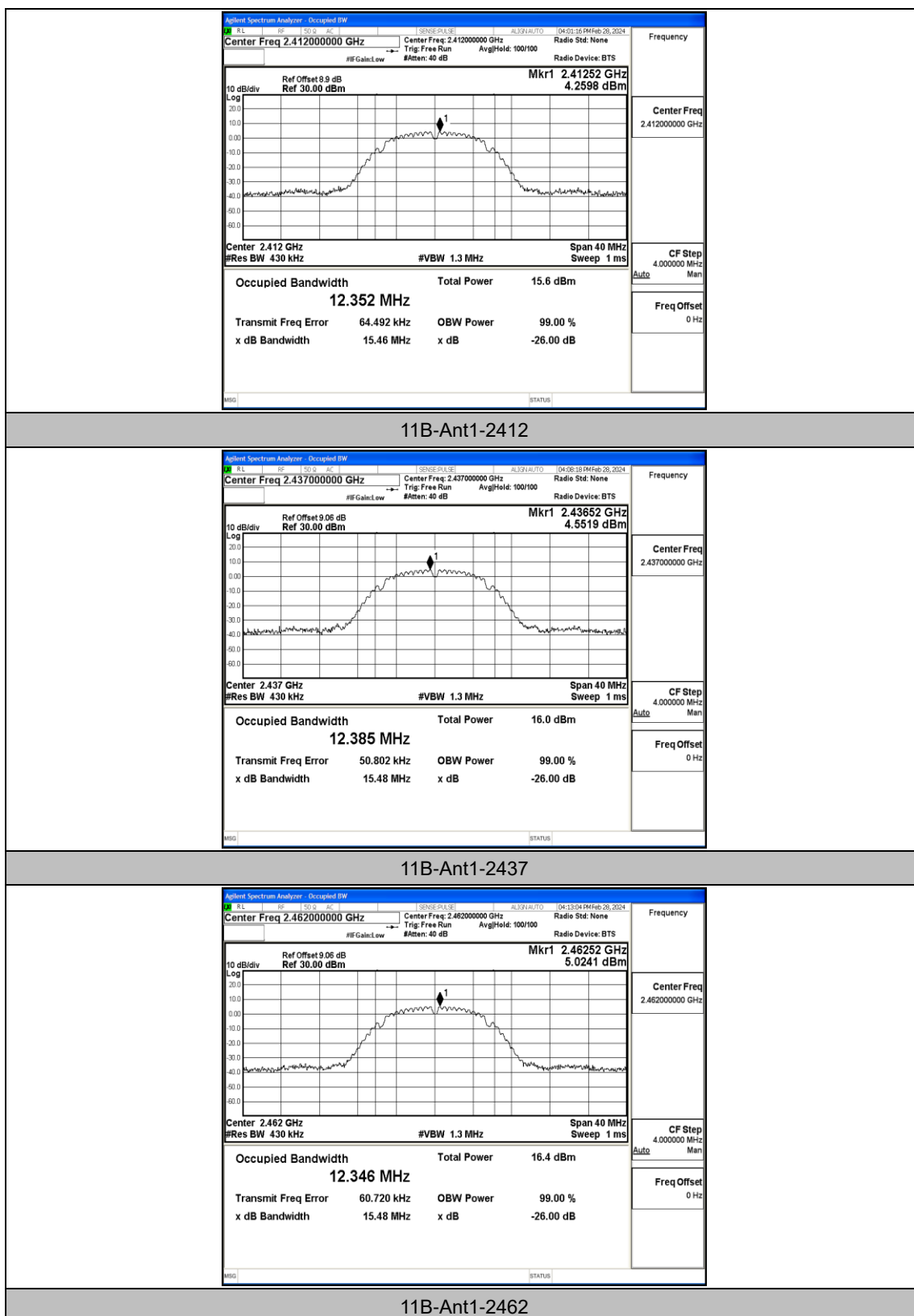


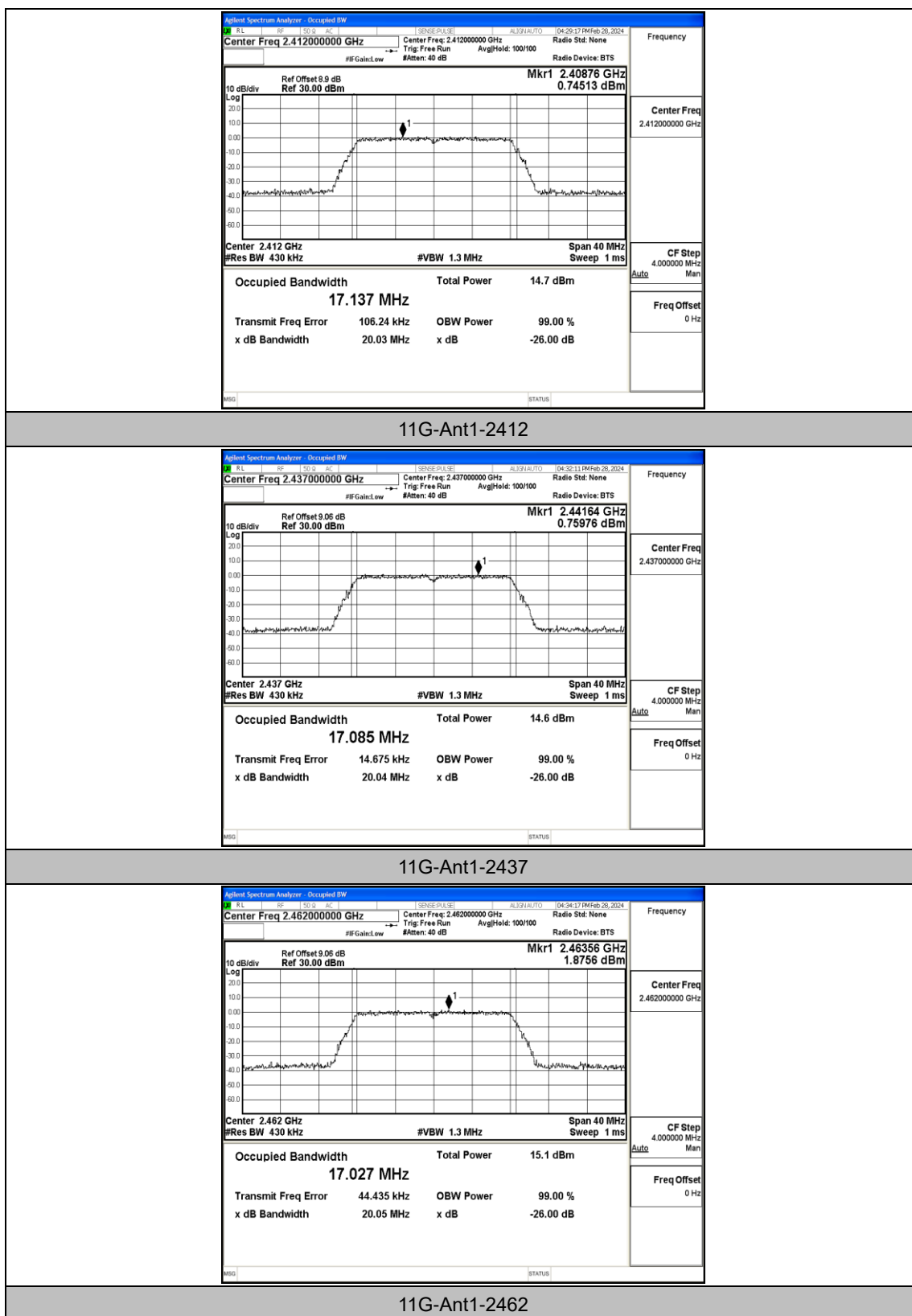
Appendix B: Occupied Channel Bandwidth

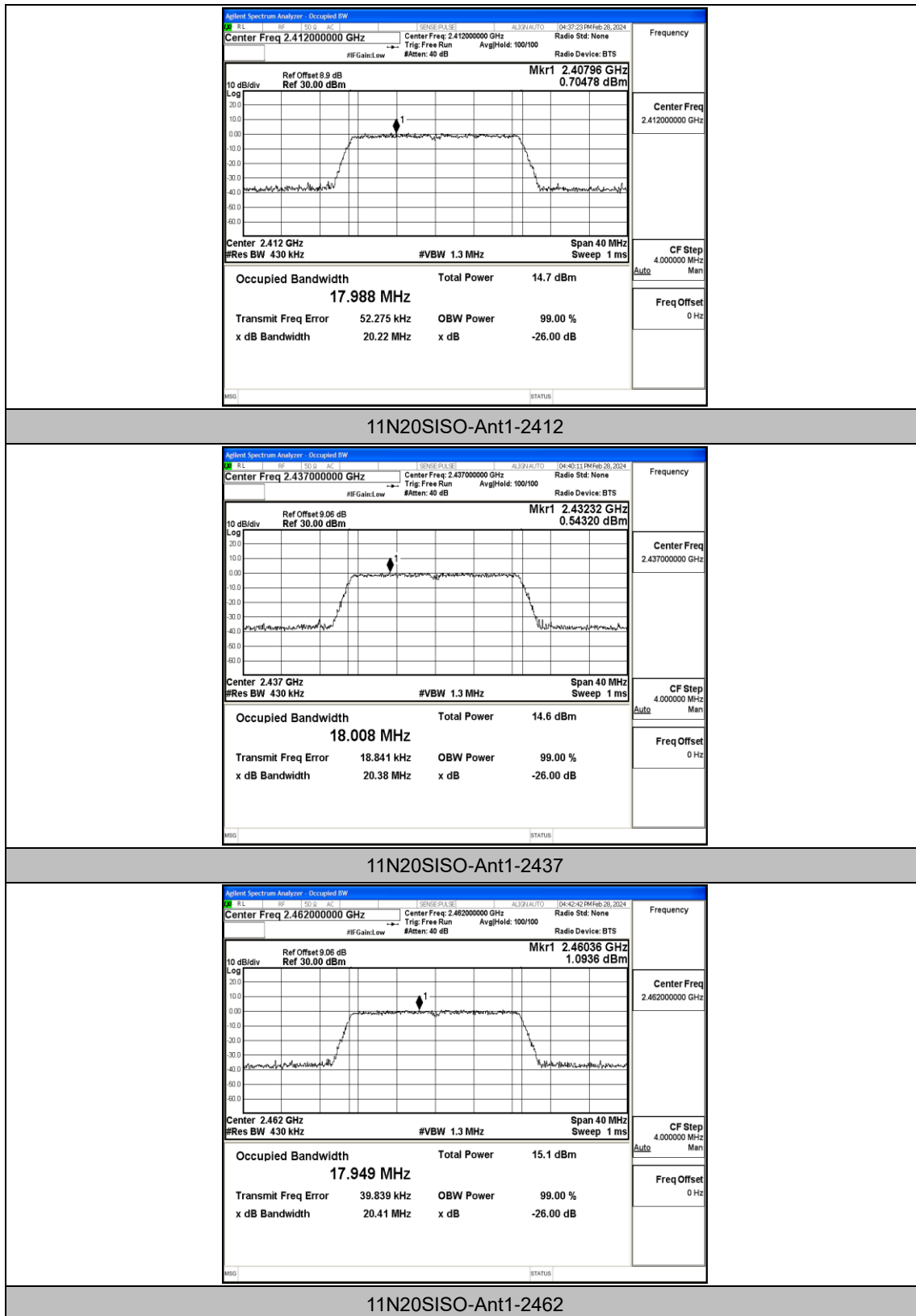
Test Result

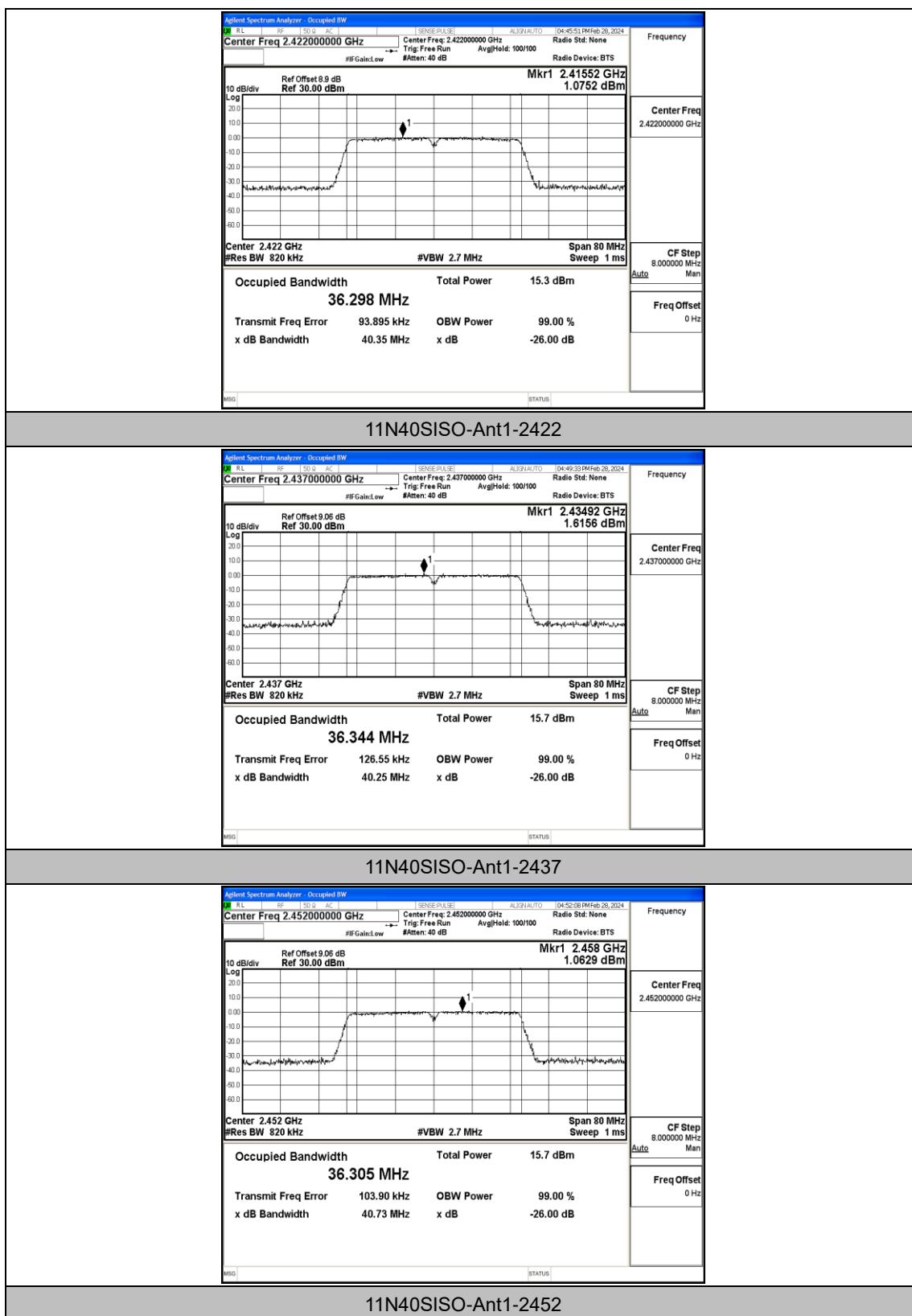
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.352	2405.8885	2418.2405	---	---
11B	Ant1	2437	12.385	2430.8583	2443.2433	---	---
11B	Ant1	2462	12.346	2455.8877	2468.2337	---	---
11G	Ant1	2412	17.137	2403.5377	2420.6747	---	---
11G	Ant1	2437	17.085	2428.4722	2445.5572	---	---
11G	Ant1	2462	17.027	2453.5309	2470.5579	---	---
11N20SISO	Ant1	2412	17.988	2403.0583	2421.0463	---	---
11N20SISO	Ant1	2437	18.008	2428.0148	2446.0228	---	---
11N20SISO	Ant1	2462	17.949	2453.0653	2471.0143	---	---
11N40SISO	Ant1	2422	36.298	2403.9449	2440.2429	---	---
11N40SISO	Ant1	2437	36.344	2418.9546	2455.2986	---	---
11N40SISO	Ant1	2452	36.305	2433.9514	2470.2564	---	---

Test Graphs









Appendix C: Maximum Average conducted output power

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	15.31	≤30.00	0.00	15.31	≤36.00	PASS
11B	Ant1	2437	15.63	≤30.00	0.00	15.63	≤36.00	PASS
11B	Ant1	2462	16.08	≤30.00	0.00	16.08	≤36.00	PASS
11G	Ant1	2412	15.67	≤30.00	0.00	15.67	≤36.00	PASS
11G	Ant1	2437	15.63	≤30.00	0.00	15.63	≤36.00	PASS
11G	Ant1	2462	16.14	≤30.00	0.00	16.14	≤36.00	PASS
11N20SISO	Ant1	2412	15.73	≤30.00	0.00	15.73	≤36.00	PASS
11N20SISO	Ant1	2437	15.75	≤30.00	0.00	15.75	≤36.00	PASS
11N20SISO	Ant1	2462	16.32	≤30.00	0.00	16.32	≤36.00	PASS
11N40SISO	Ant1	2422	15.60	≤30.00	0.00	15.60	≤36.00	PASS
11N40SISO	Ant1	2437	15.94	≤30.00	0.00	15.94	≤36.00	PASS
11N40SISO	Ant1	2452	16.04	≤30.00	0.00	16.04	≤36.00	PASS

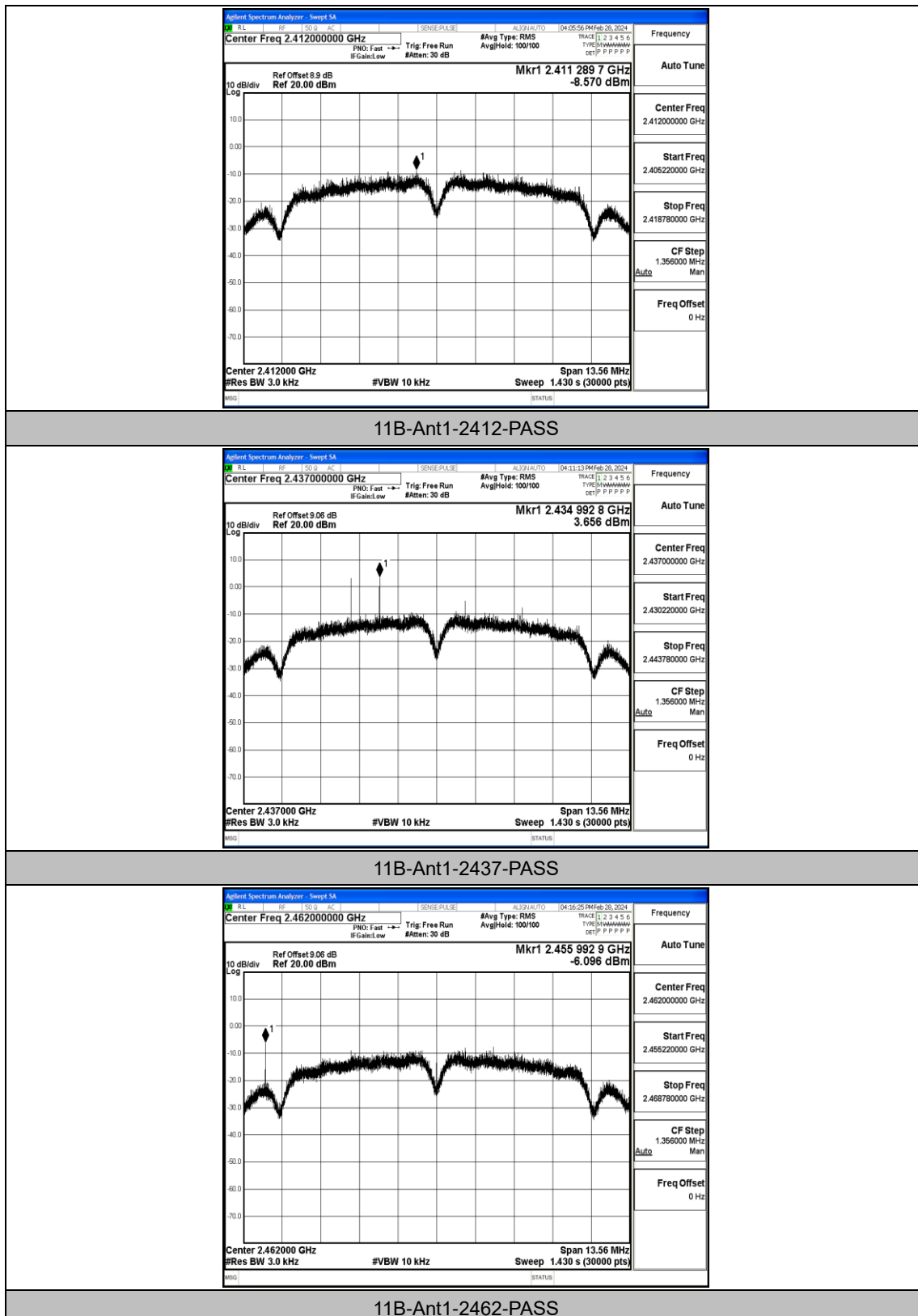
Note: The Duty Cycle Factor is compensated in the result.

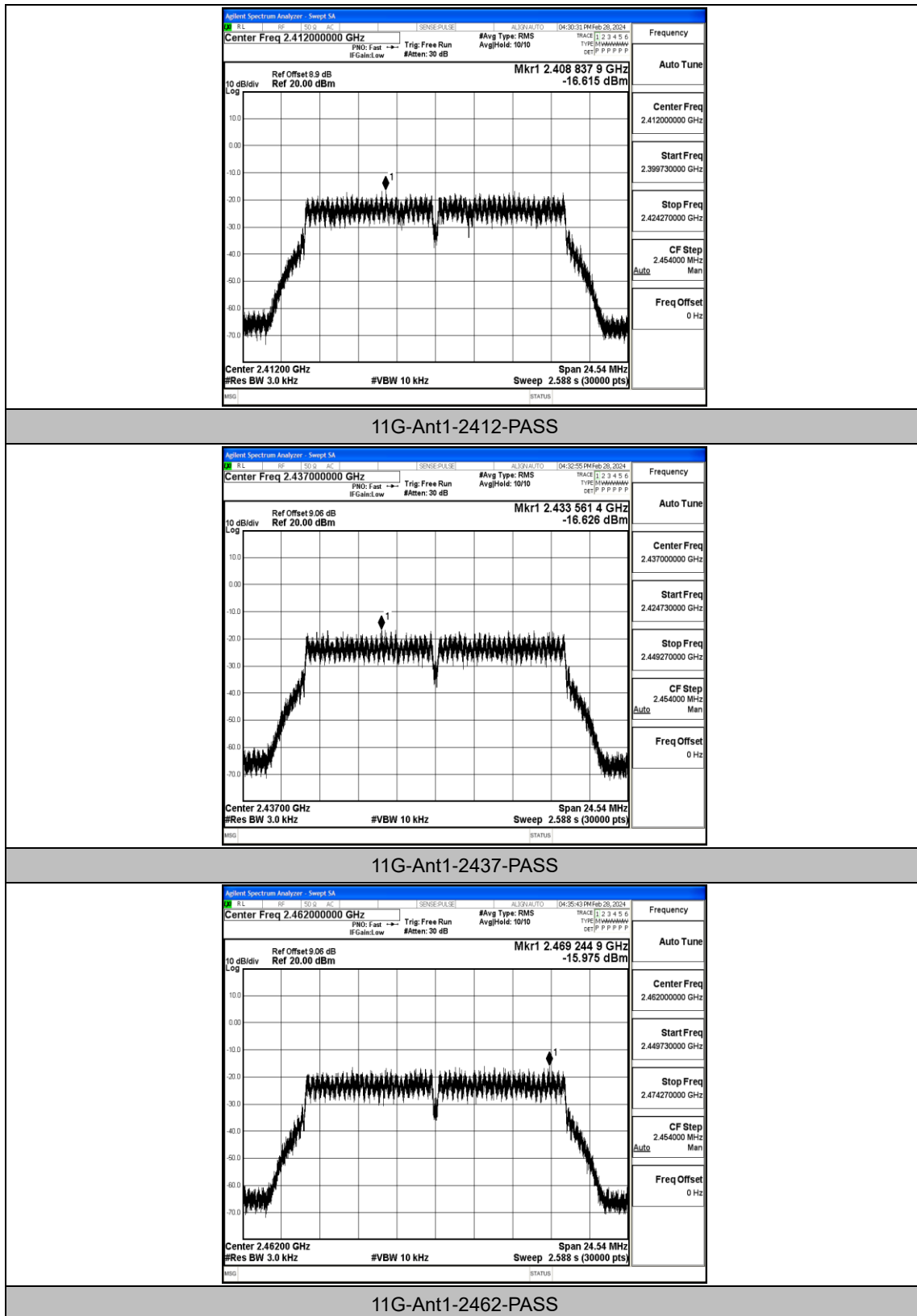
Appendix D: Maximum Average power spectral density

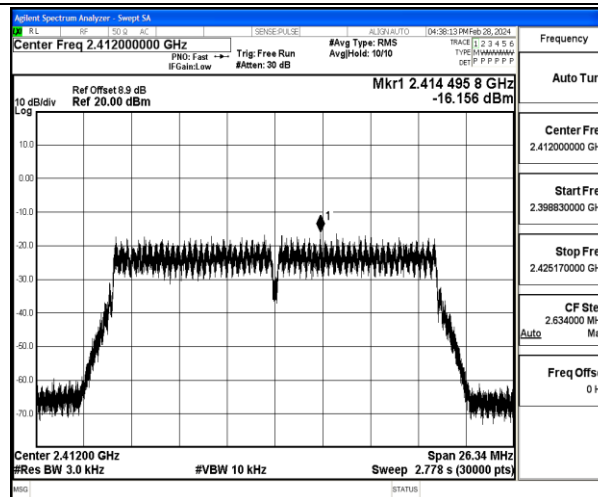
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.57	≤8.00	PASS
11B	Ant1	2437	3.66	≤8.00	PASS
11B	Ant1	2462	-6.10	≤8.00	PASS
11G	Ant1	2412	-16.62	≤8.00	PASS
11G	Ant1	2437	-16.63	≤8.00	PASS
11G	Ant1	2462	-15.98	≤8.00	PASS
11N20SISO	Ant1	2412	-16.16	≤8.00	PASS
11N20SISO	Ant1	2437	-16.20	≤8.00	PASS
11N20SISO	Ant1	2462	-16.53	≤8.00	PASS
11N40SISO	Ant1	2422	-19.99	≤8.00	PASS
11N40SISO	Ant1	2437	-19.38	≤8.00	PASS
11N40SISO	Ant1	2452	-19.32	≤8.00	PASS

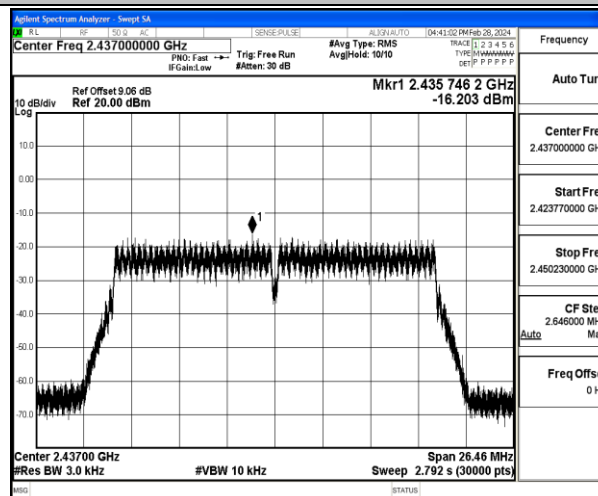
Test Graphs



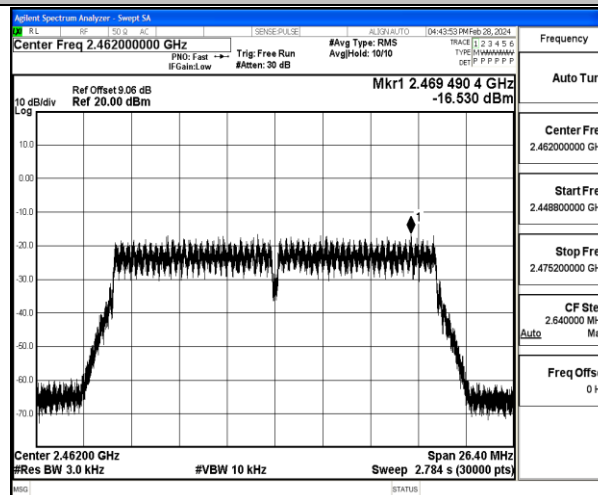




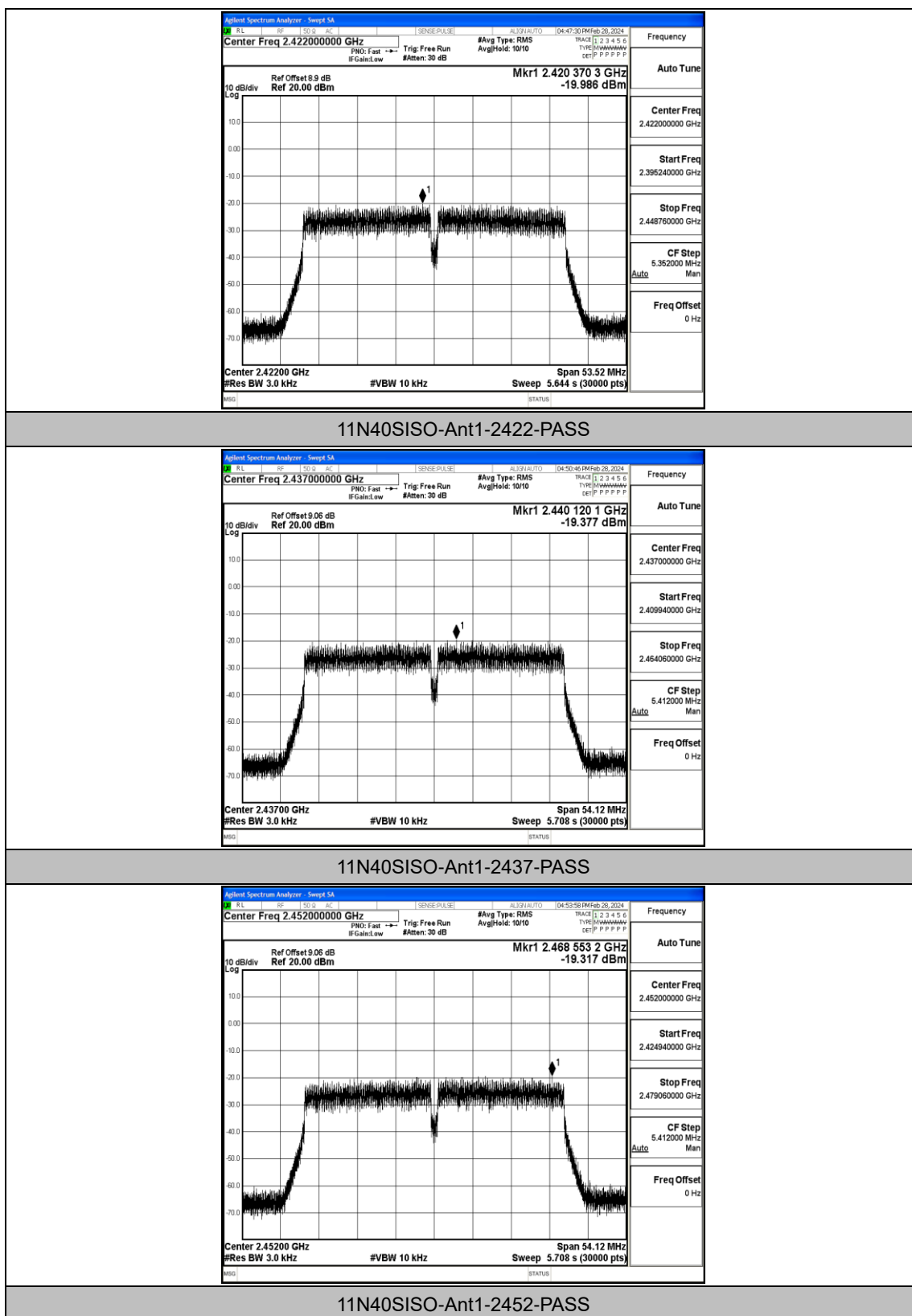
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

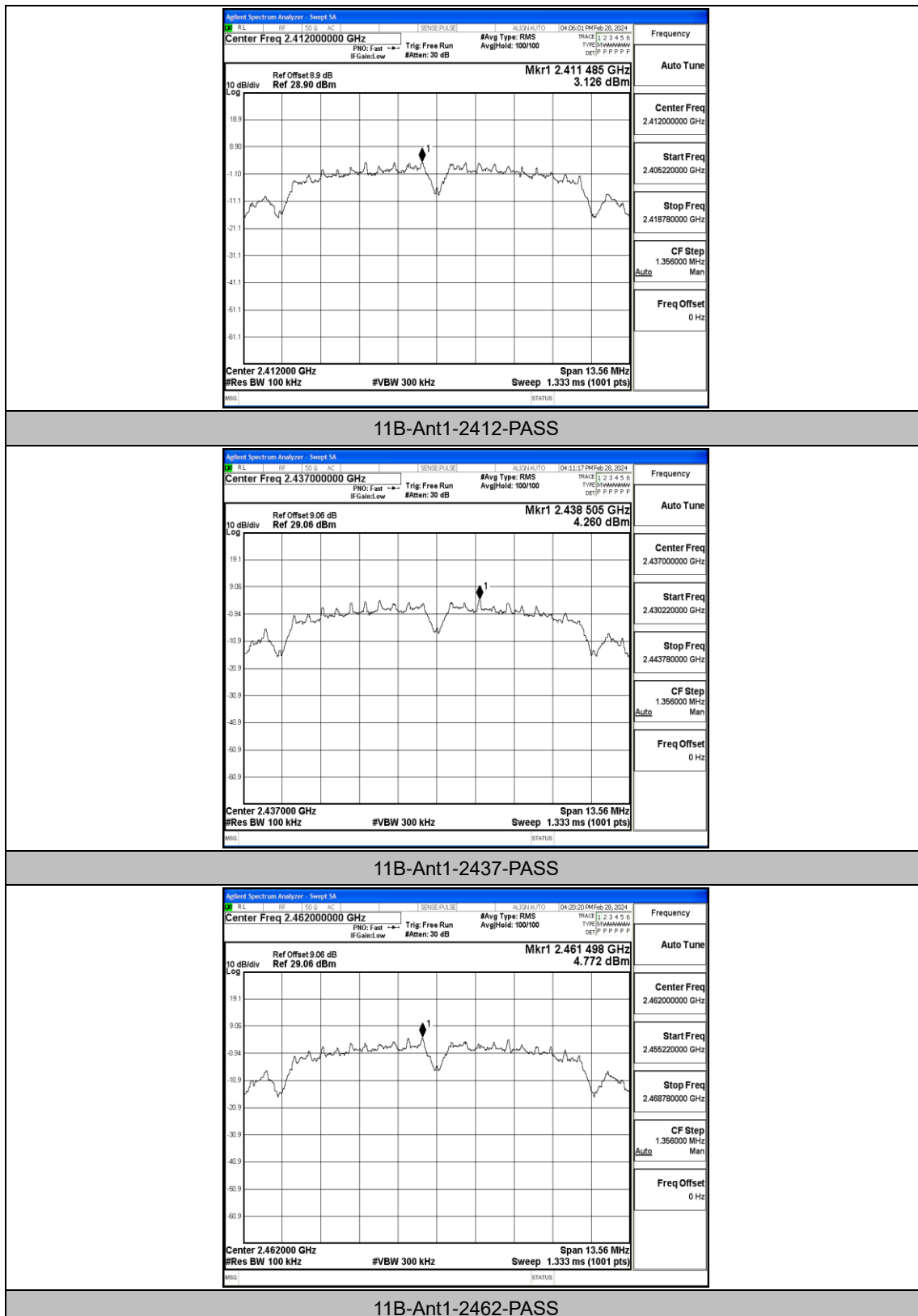


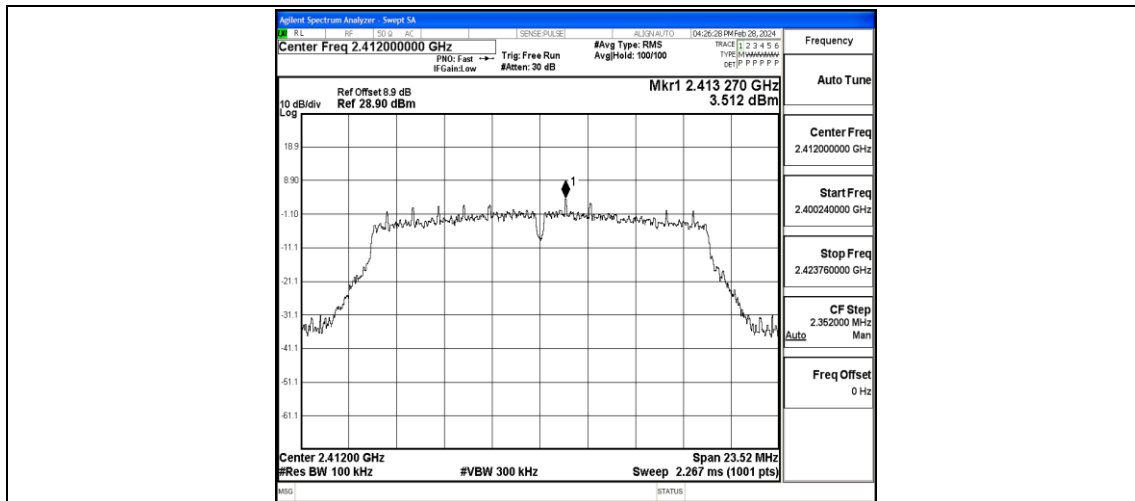
Appendix E: Reference level measurement

Test Result

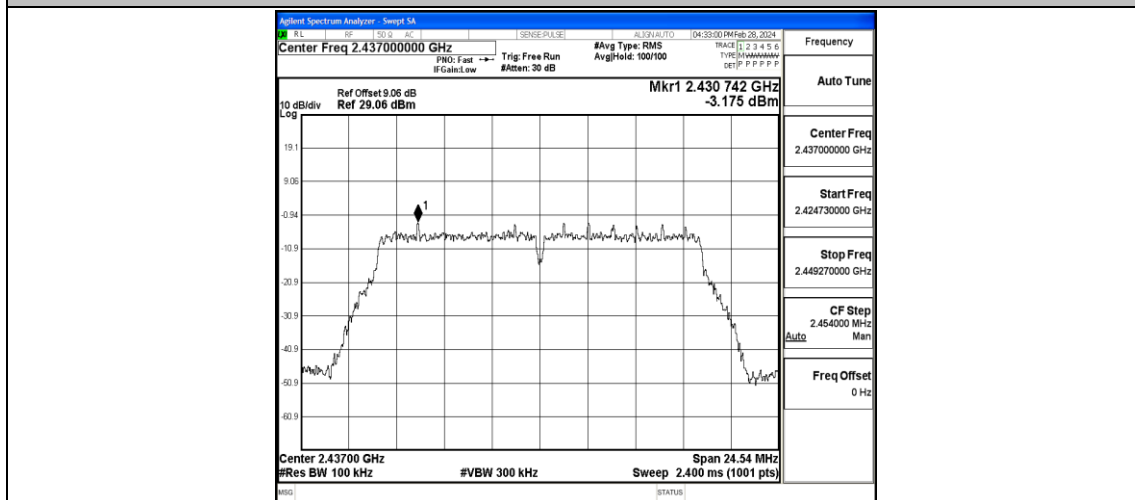
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2411.48	3.13
11B	Ant1	2437	2438.51	4.26
11B	Ant1	2462	2461.50	4.77
11G	Ant1	2412	2413.27	3.51
11G	Ant1	2437	2430.74	-3.18
11G	Ant1	2462	2469.51	-2.52
11N20SISO	Ant1	2412	2417.00	-2.69
11N20SISO	Ant1	2437	2438.27	-2.48
11N20SISO	Ant1	2462	2460.76	-2.53
11N40SISO	Ant1	2422	2424.52	-5.65
11N40SISO	Ant1	2437	2442.03	-5.72
11N40SISO	Ant1	2452	2454.49	-5.06

Test Graphs

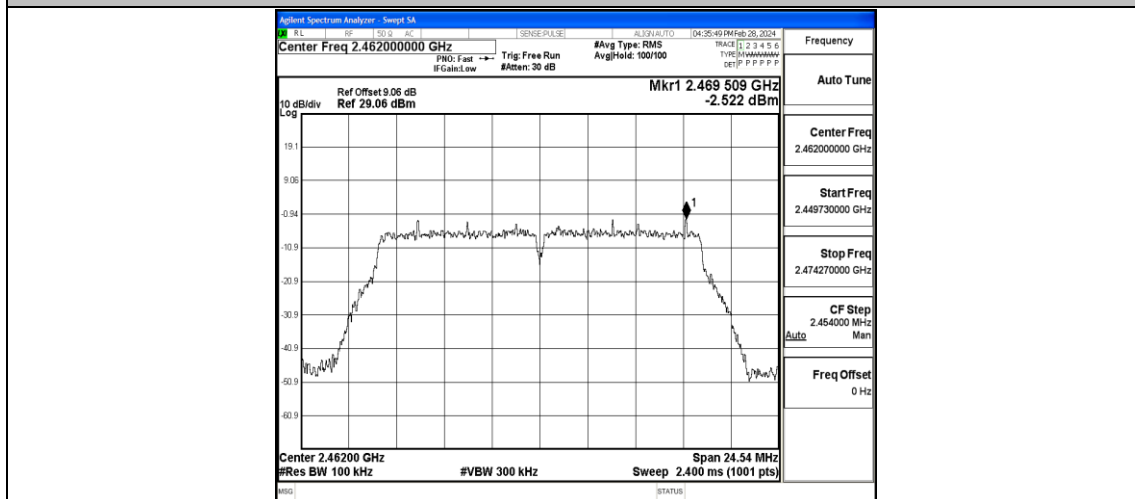




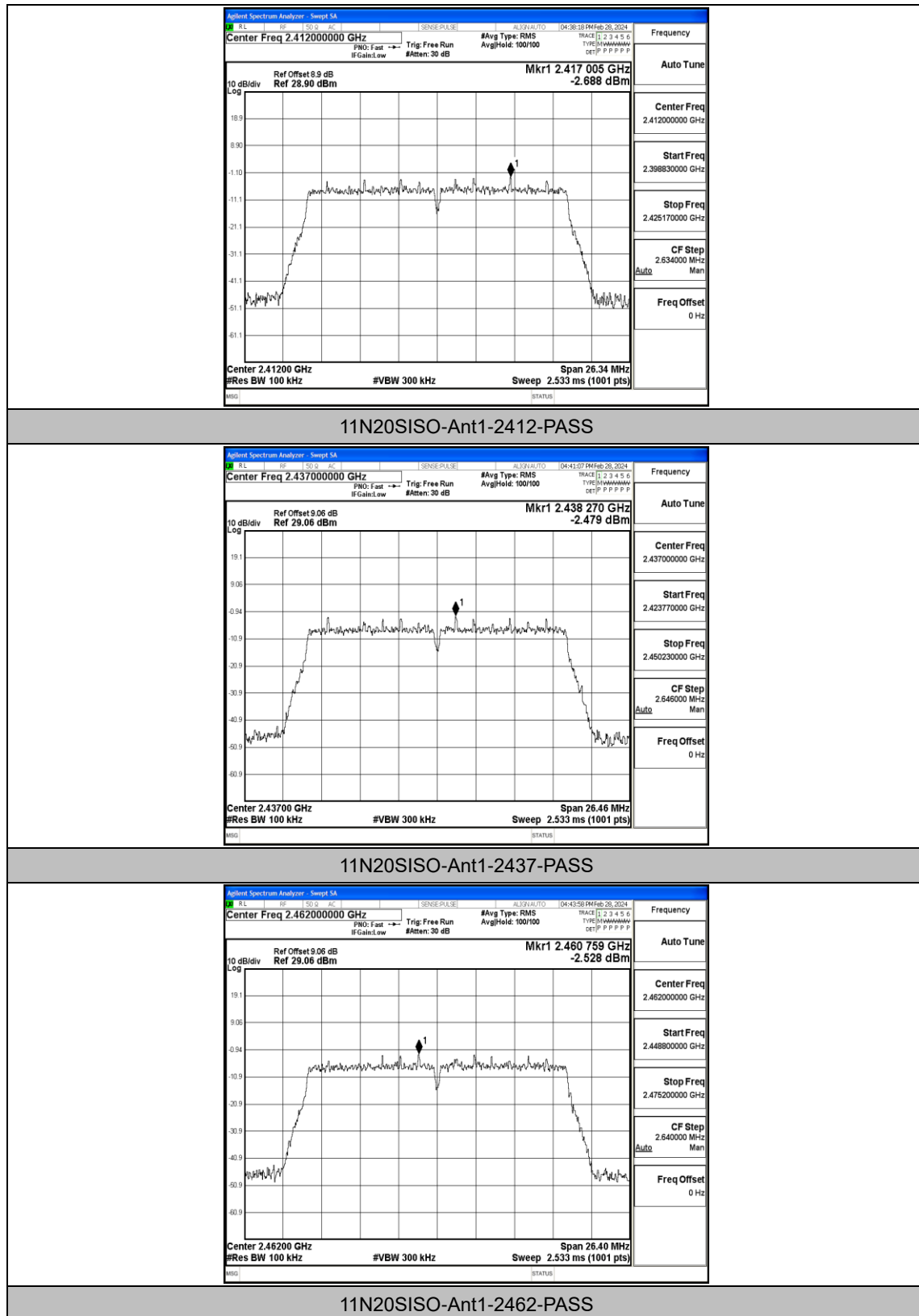
11G-Ant1-2412-PASS

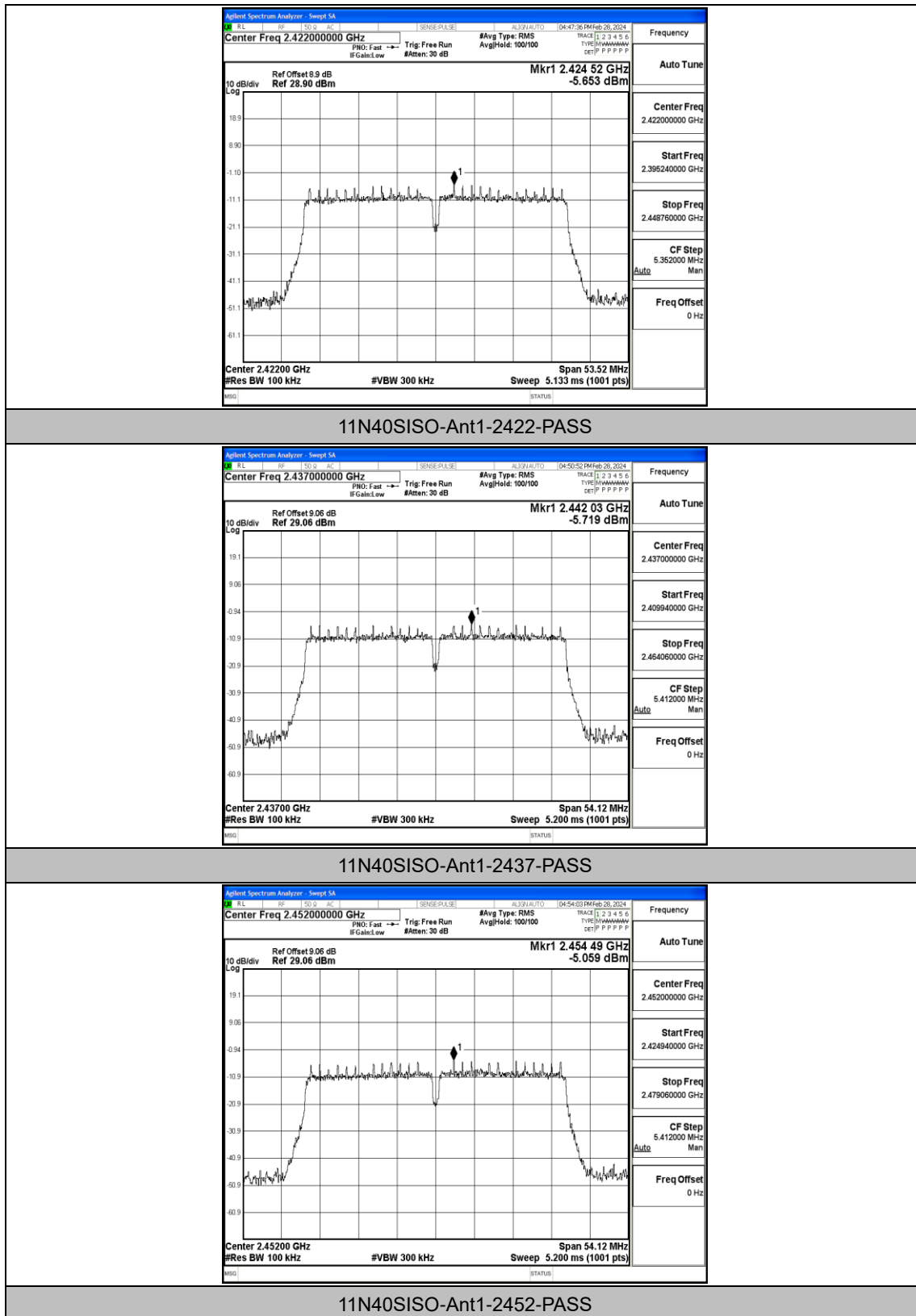


11G-Ant1-2437-PASS



11G-Ant1-2462-PASS



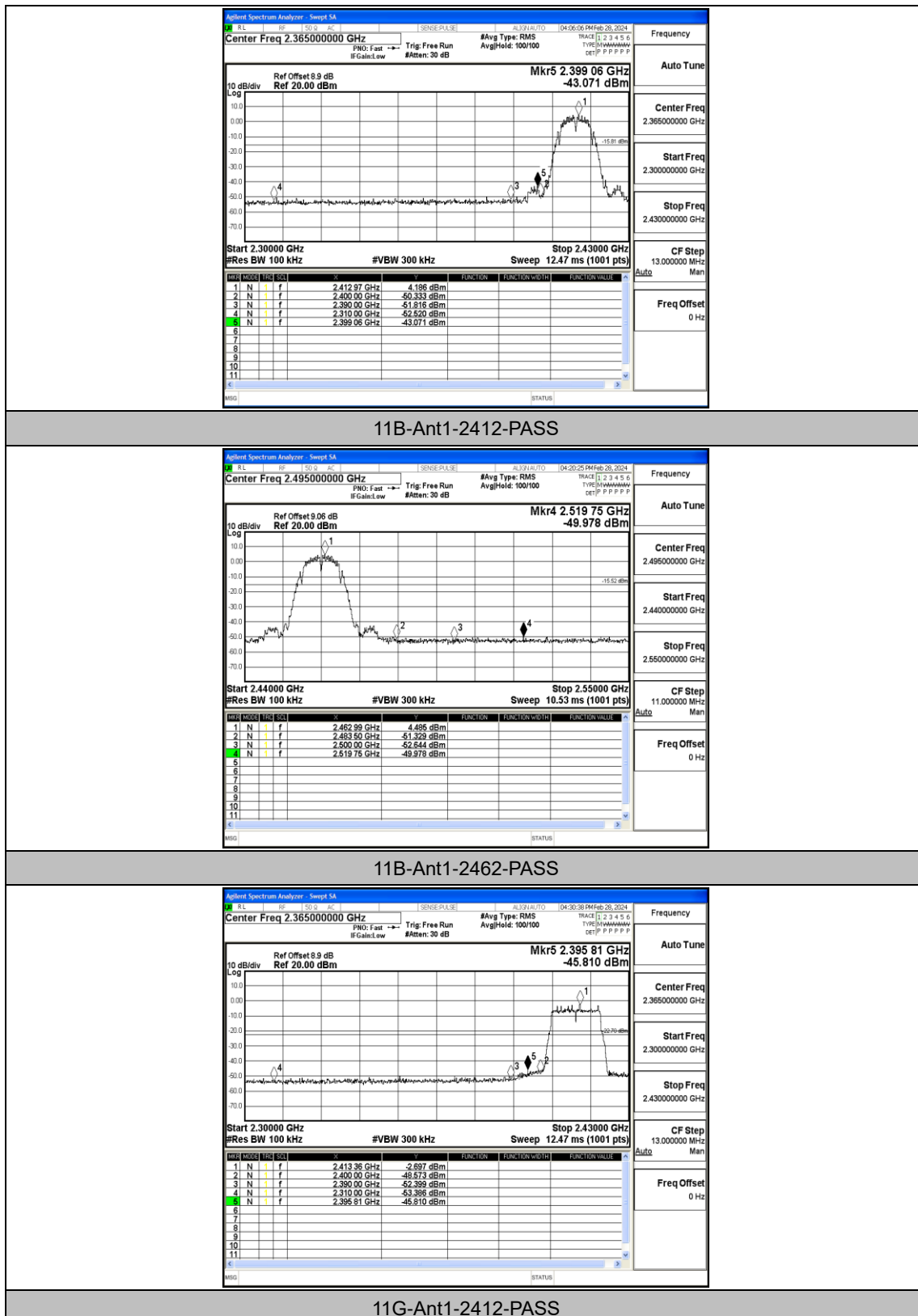


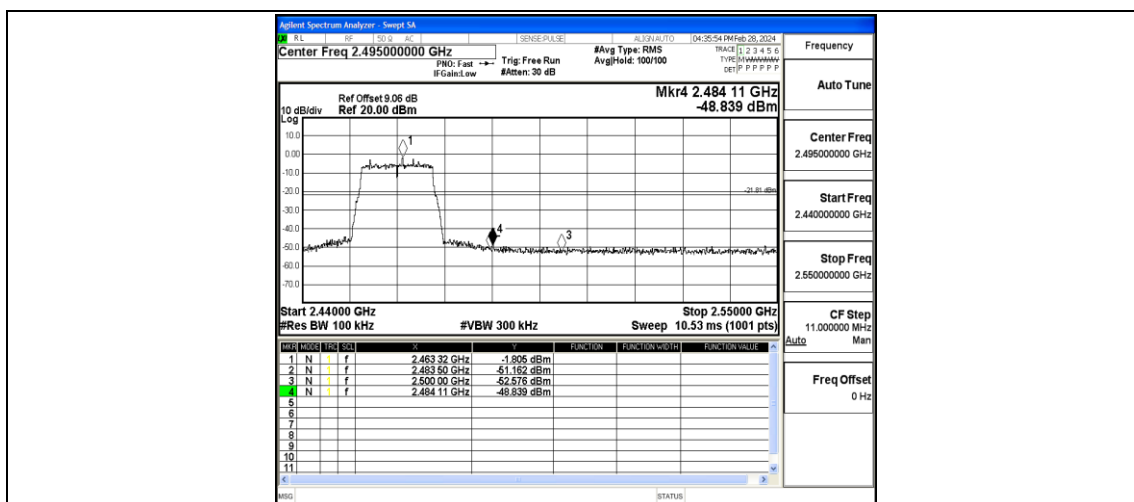
Appendix F: Band edge measurements

Test Result

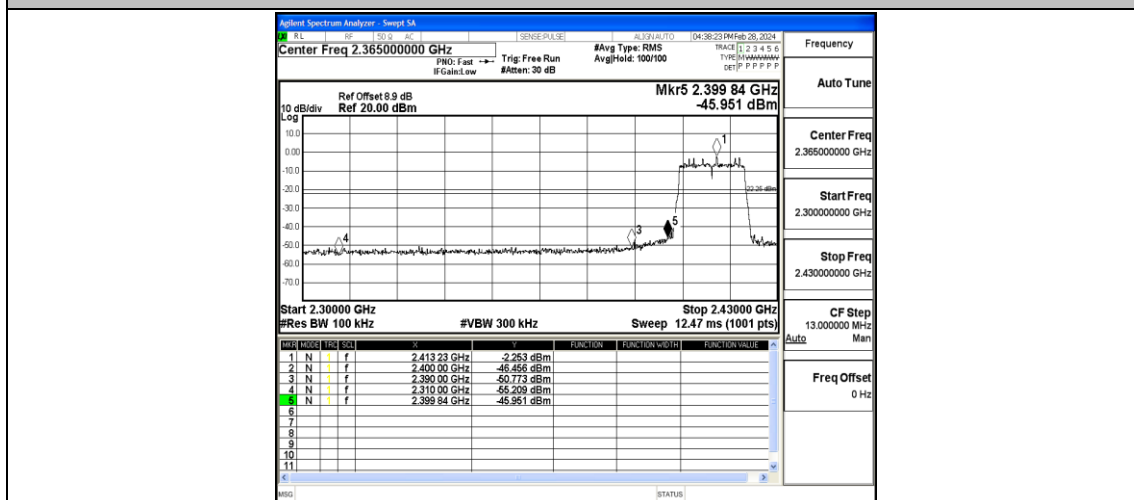
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.19	-43.07	≤-15.81	PASS
11B	Ant1	High	2462	4.49	-49.98	≤-15.52	PASS
11G	Ant1	Low	2412	-2.70	-45.81	≤-22.7	PASS
11G	Ant1	High	2462	-1.81	-48.84	≤-21.81	PASS
11N20SISO	Ant1	Low	2412	-2.25	-45.95	≤-22.25	PASS
11N20SISO	Ant1	High	2462	-1.92	-46.61	≤-21.92	PASS
11N40SISO	Ant1	Low	2422	-5.46	-43.84	≤-25.46	PASS
11N40SISO	Ant1	High	2452	-5.03	-44.07	≤-25.03	PASS

Test Graphs

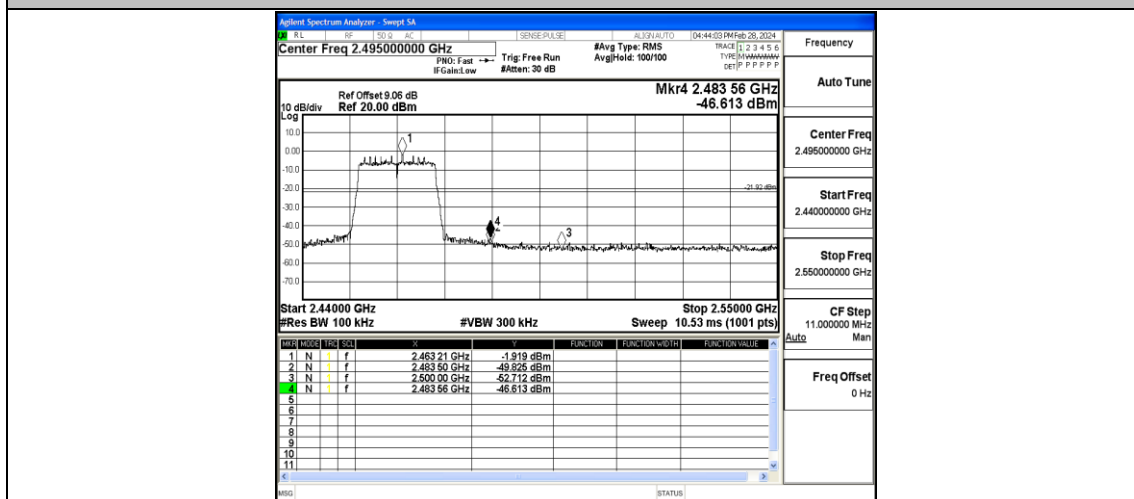




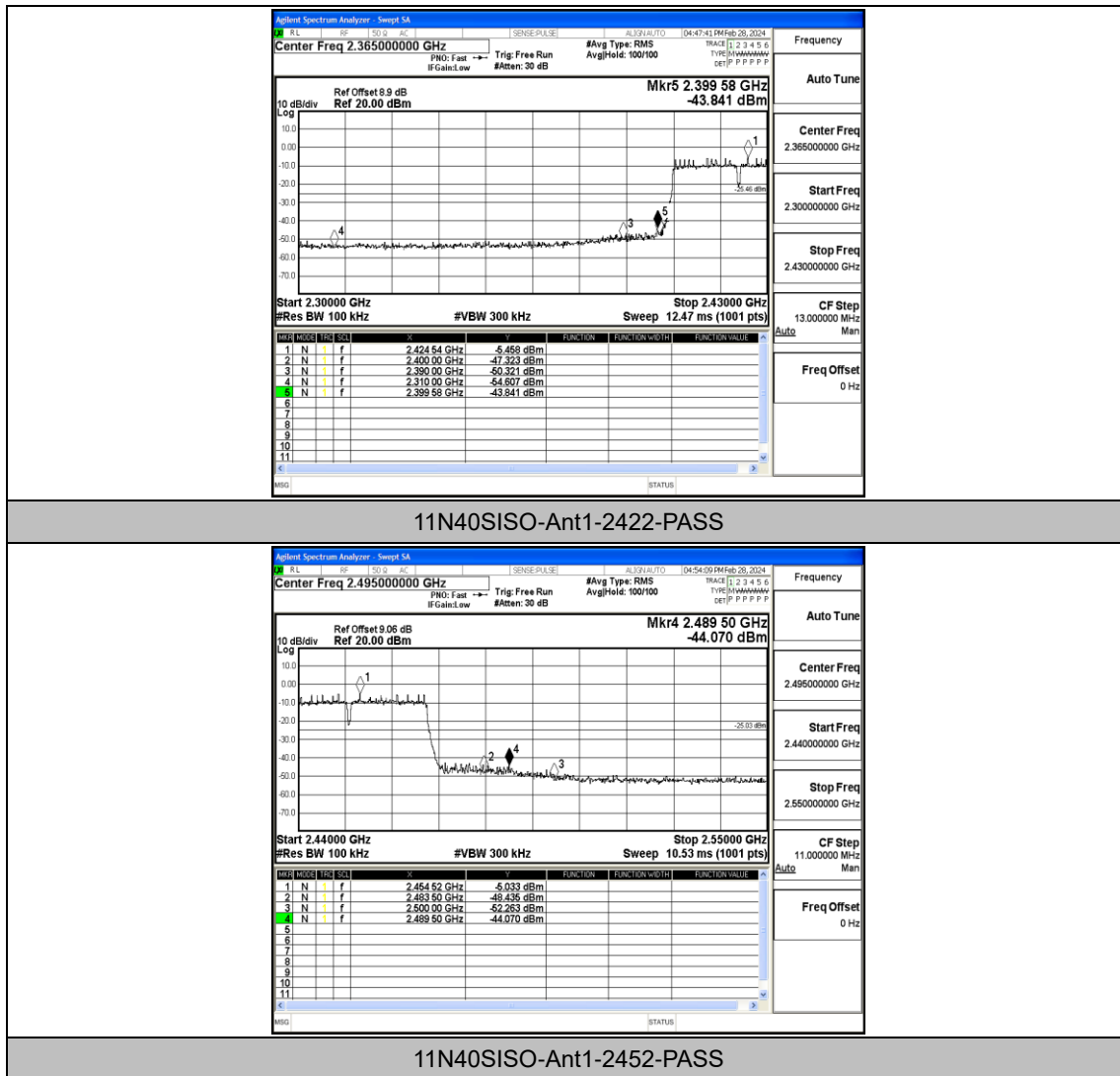
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

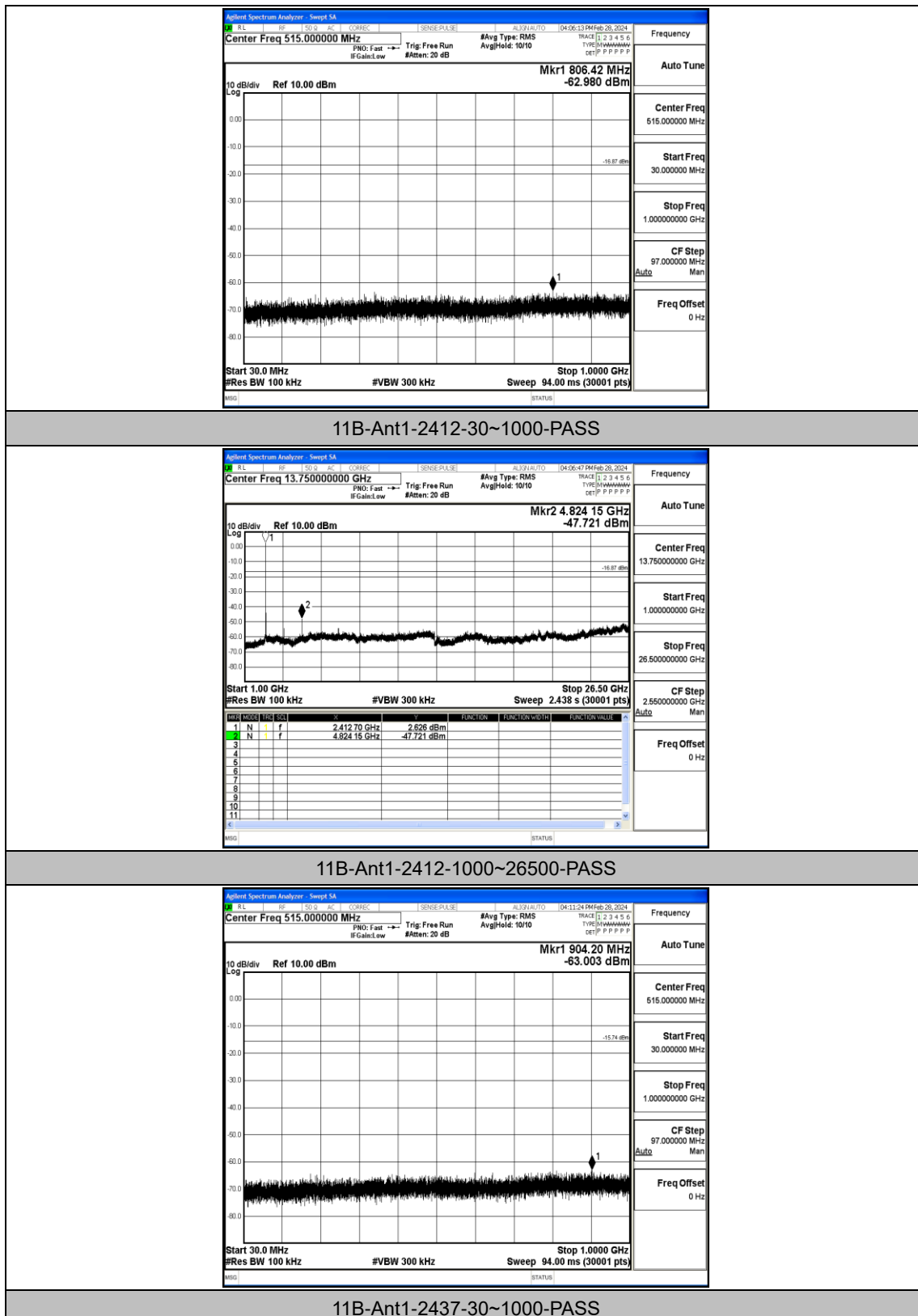


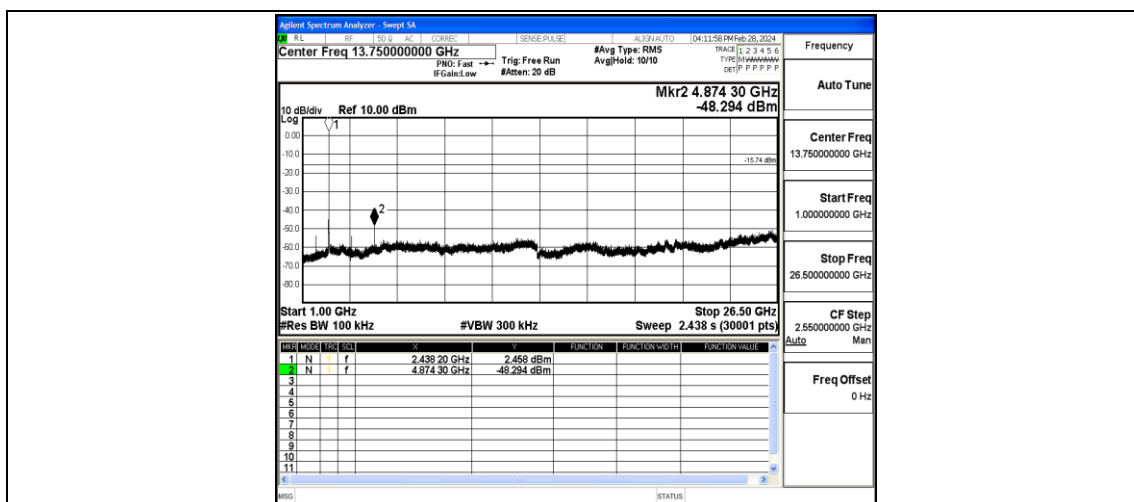
Appendix G: Conducted Spurious Emission

Test Result

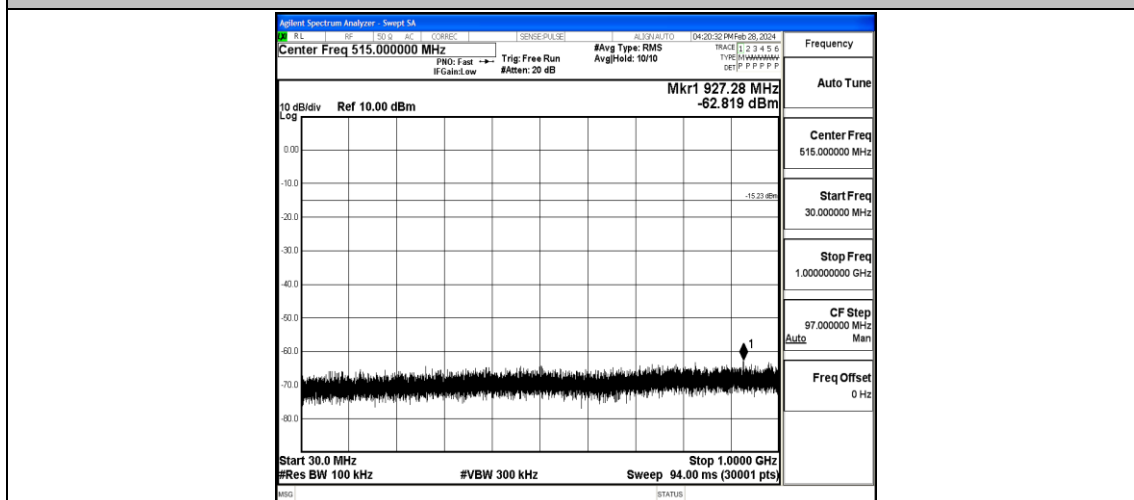
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	3.13	-62.98	≤-16.87	PASS
11B	Ant1	2412	1000~26500	3.13	-47.72	≤-16.87	PASS
11B	Ant1	2437	30~1000	4.26	-63	≤-15.74	PASS
11B	Ant1	2437	1000~26500	4.26	-48.29	≤-15.74	PASS
11B	Ant1	2462	30~1000	4.77	-62.82	≤-15.23	PASS
11B	Ant1	2462	1000~26500	4.77	-49.5	≤-15.23	PASS
11G	Ant1	2412	30~1000	3.51	-63.48	≤-16.49	PASS
11G	Ant1	2412	1000~26500	3.51	-50.14	≤-16.49	PASS
11G	Ant1	2437	30~1000	-3.18	-61.14	≤-23.18	PASS
11G	Ant1	2437	1000~26500	-3.18	-51.12	≤-23.18	PASS
11G	Ant1	2462	30~1000	-2.52	-61.64	≤-22.52	PASS
11G	Ant1	2462	1000~26500	-2.52	-51.03	≤-22.52	PASS
11N20SISO	Ant1	2412	30~1000	-2.69	-62.68	≤-22.69	PASS
11N20SISO	Ant1	2412	1000~26500	-2.69	-49.61	≤-22.69	PASS
11N20SISO	Ant1	2437	30~1000	-2.48	-63.13	≤-22.48	PASS
11N20SISO	Ant1	2437	1000~26500	-2.48	-50.16	≤-22.48	PASS
11N20SISO	Ant1	2462	30~1000	-2.53	-63.23	≤-22.53	PASS
11N20SISO	Ant1	2462	1000~26500	-2.53	-50.9	≤-22.53	PASS
11N40SISO	Ant1	2422	30~1000	-5.65	-63.13	≤-25.65	PASS
11N40SISO	Ant1	2422	1000~26500	-5.65	-50.66	≤-25.65	PASS
11N40SISO	Ant1	2437	30~1000	-5.72	-63.3	≤-25.72	PASS
11N40SISO	Ant1	2437	1000~26500	-5.72	-50.08	≤-25.72	PASS
11N40SISO	Ant1	2452	30~1000	-5.06	-62.55	≤-25.06	PASS
11N40SISO	Ant1	2452	1000~26500	-5.06	-51.37	≤-25.06	PASS

Test Graphs

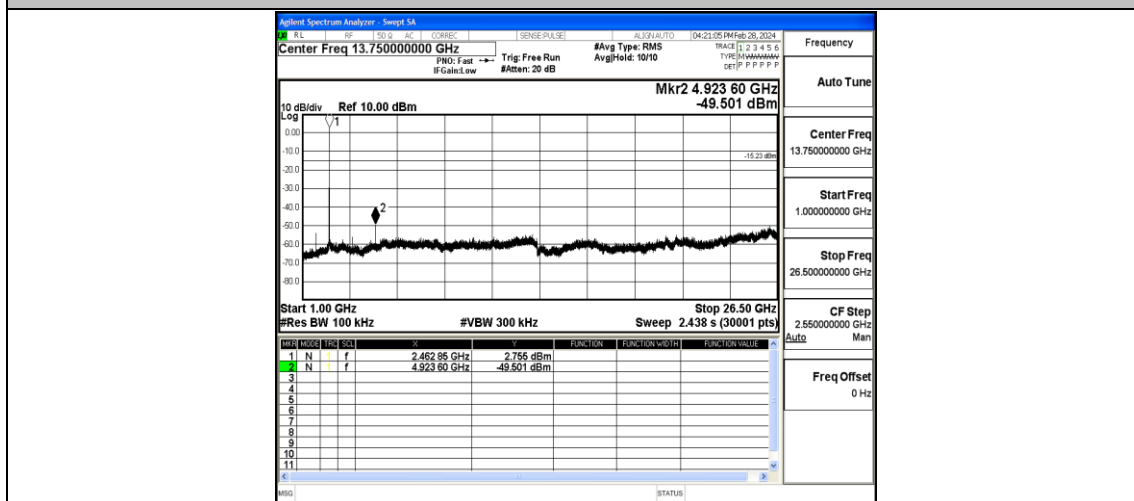




11B-Ant1-2437-1000~26500-PASS



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



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

