

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

Product Name: sport camera

Trade Mark: **SARGO**

Test Model: G10

FCC ID: 2BFP2-G10

Environmental Conditions

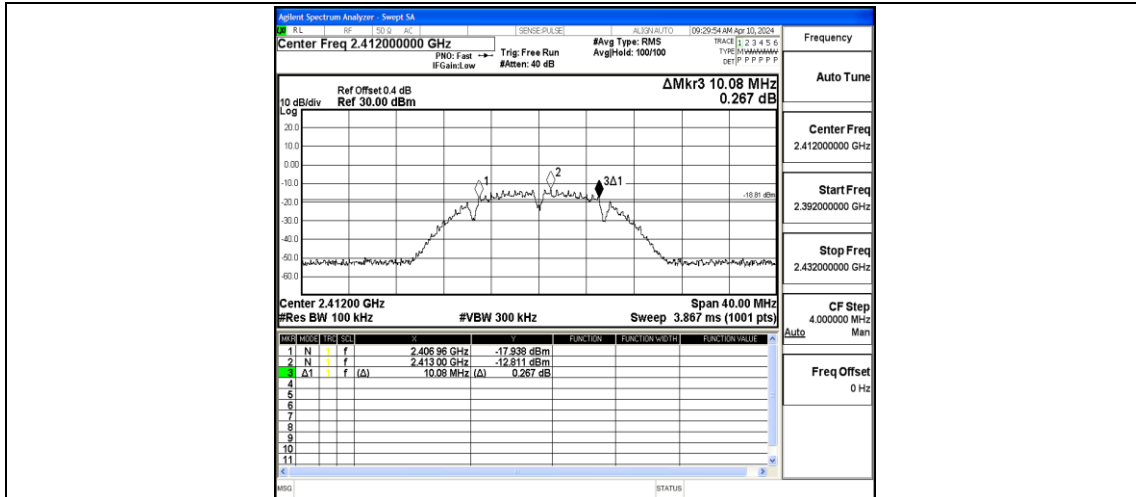
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

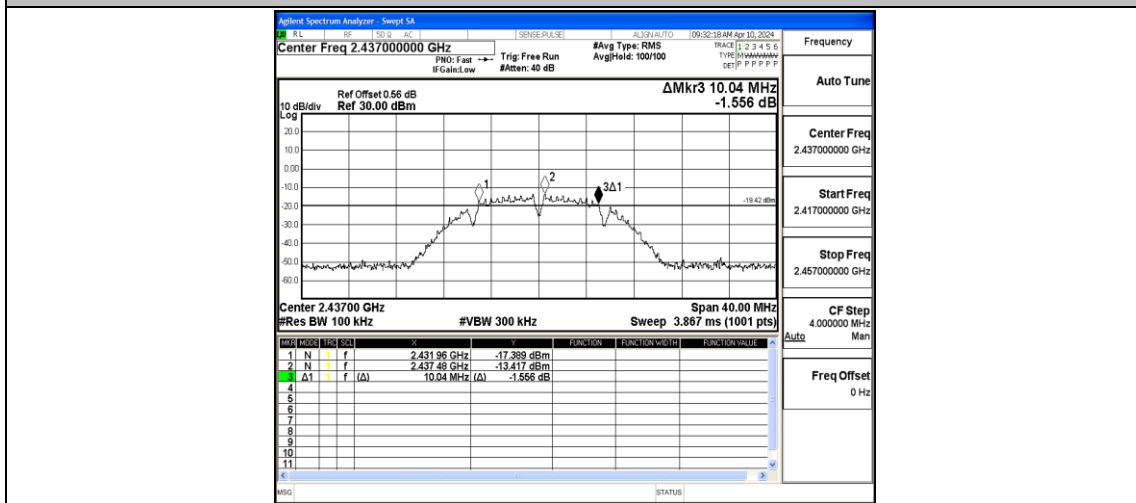
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
11B	Ant1	2437	10.040	2431.960	2442.000	0.5	PASS
11B	Ant1	2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant1	2412	15.960	2404.200	2420.160	0.5	PASS
11G	Ant1	2437	3.160	2417.040	2420.200	0.5	PASS
11G	Ant1	2462	15.880	2453.880	2469.760	0.5	PASS
11N20SISO	Ant1	2412	16.600	2403.520	2420.120	0.5	PASS
11N20SISO	Ant1	2437	16.280	2428.840	2445.120	0.5	PASS
11N20SISO	Ant1	2462	16.080	2453.480	2469.560	0.5	PASS
11N40SISO	Ant1	2422	33.760	2404.480	2438.240	0.5	PASS
11N40SISO	Ant1	2437	35.120	2419.400	2454.520	0.5	PASS
11N40SISO	Ant1	2452	35.120	2434.400	2469.520	0.5	PASS

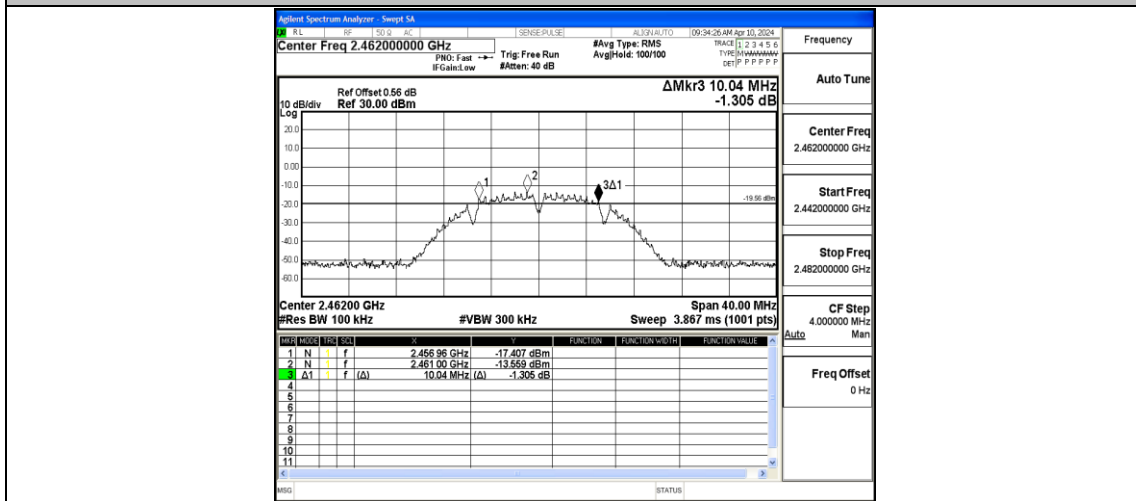
Test Graphs



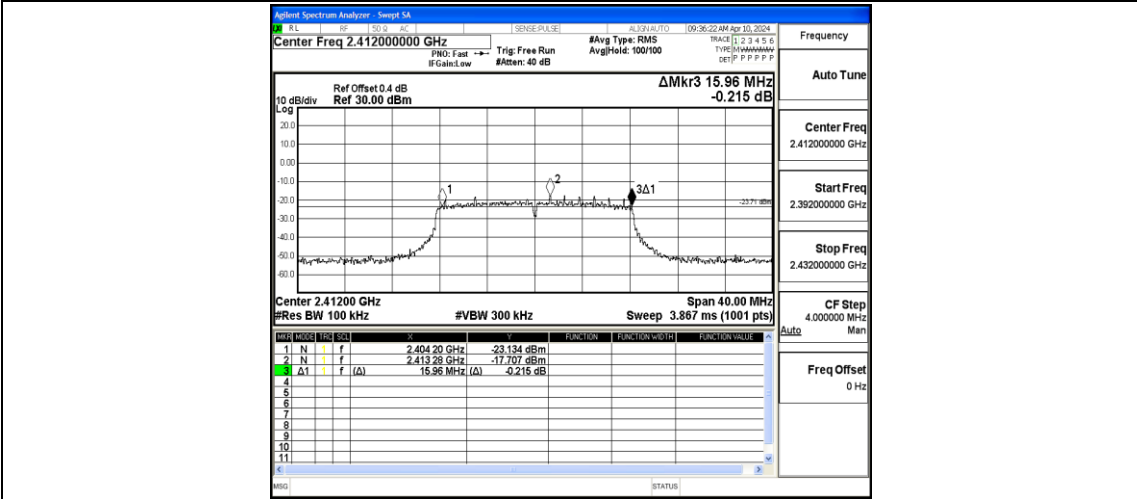
11B-Ant1-2412-PASS



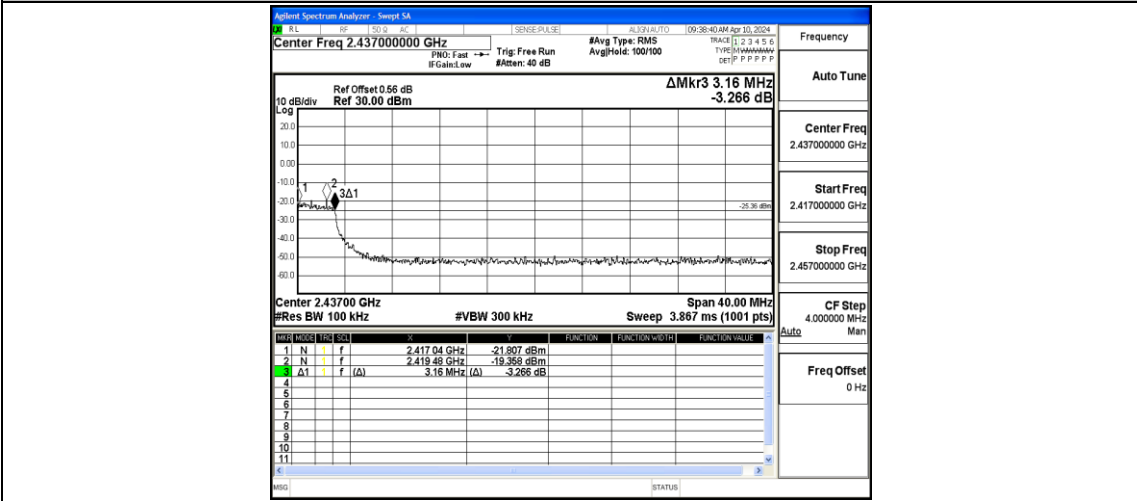
11B-Ant1-2437-PASS



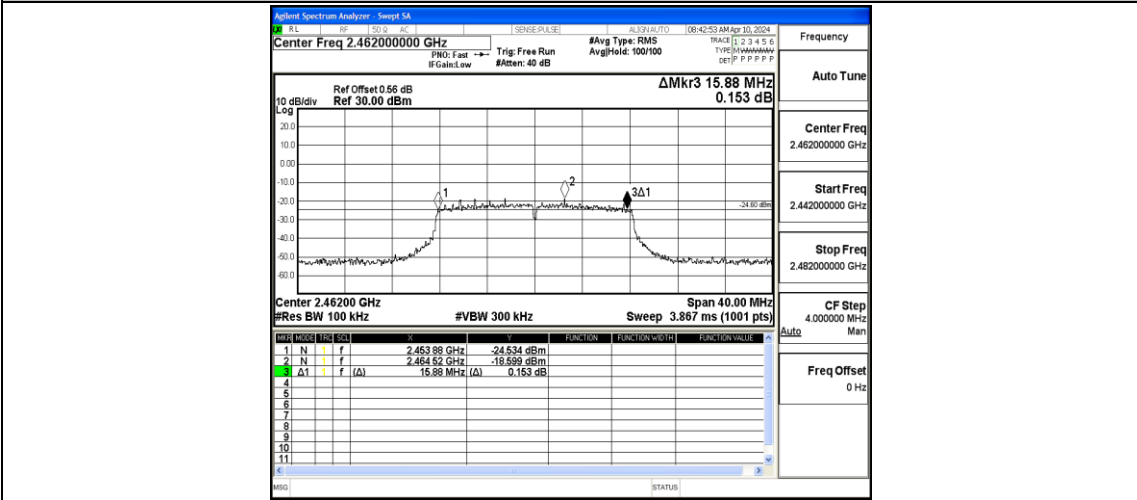
11B-Ant1-2462-PASS



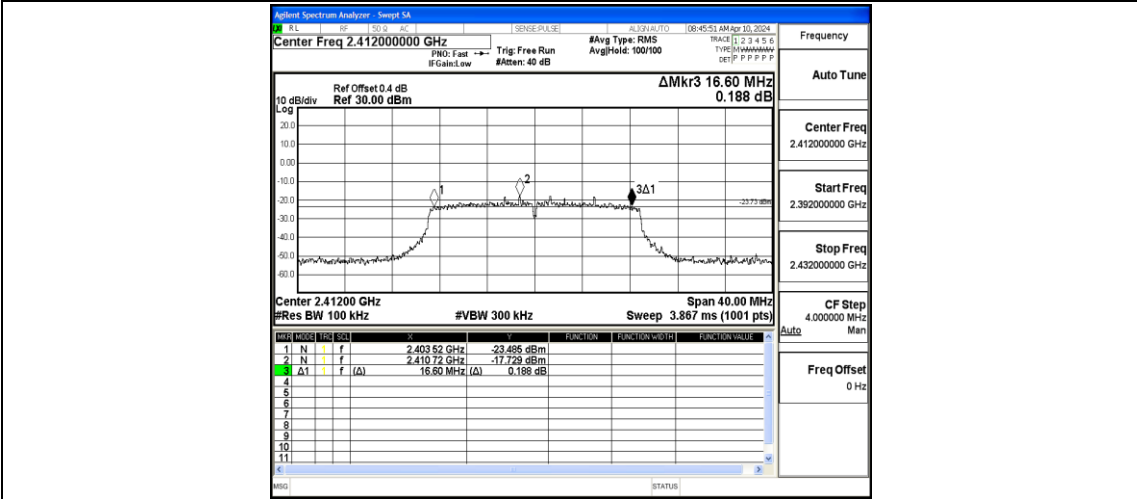
11G-Ant1-2412-PASS



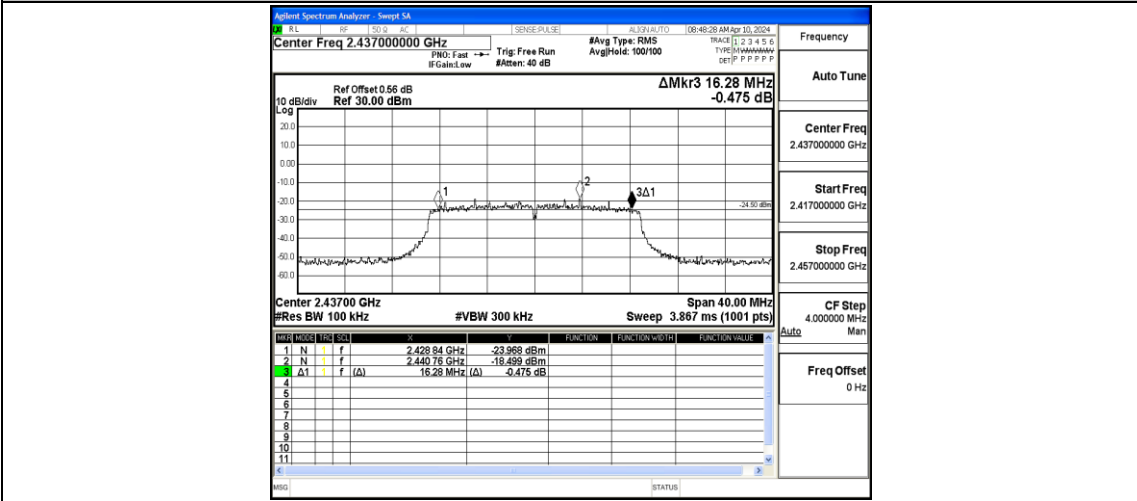
11G-Ant1-2437-PASS



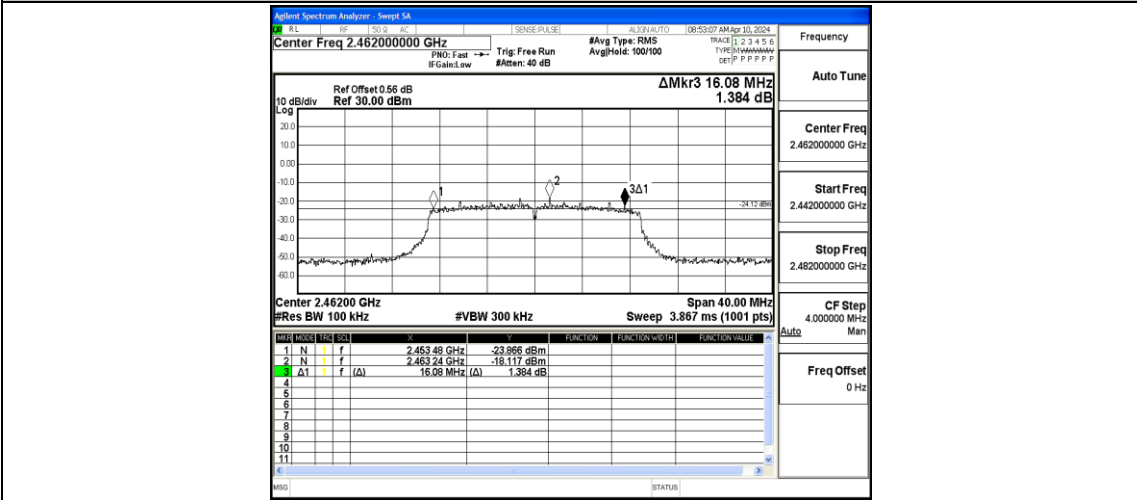
11G-Ant1-2462-PASS



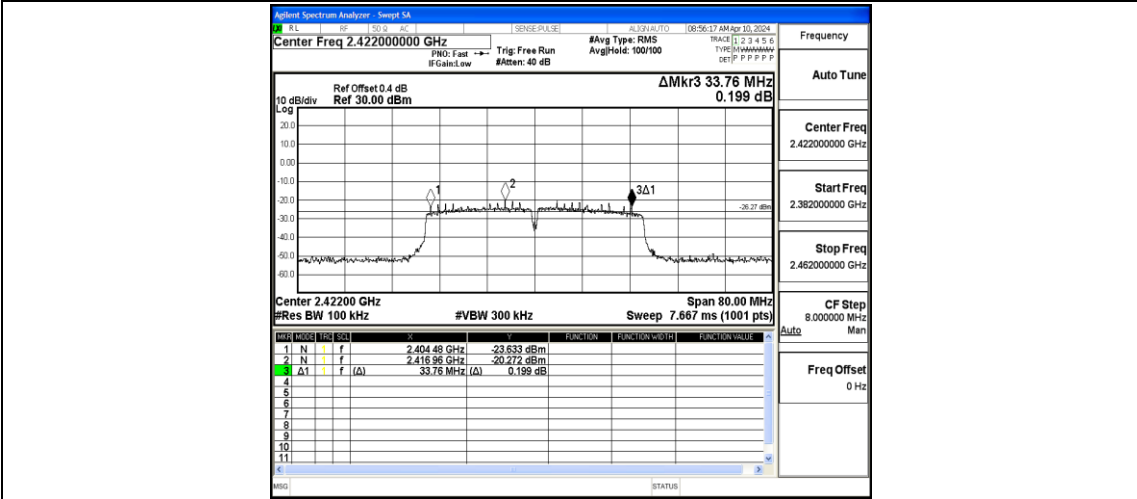
11N20SISO-Ant1-2412-PASS



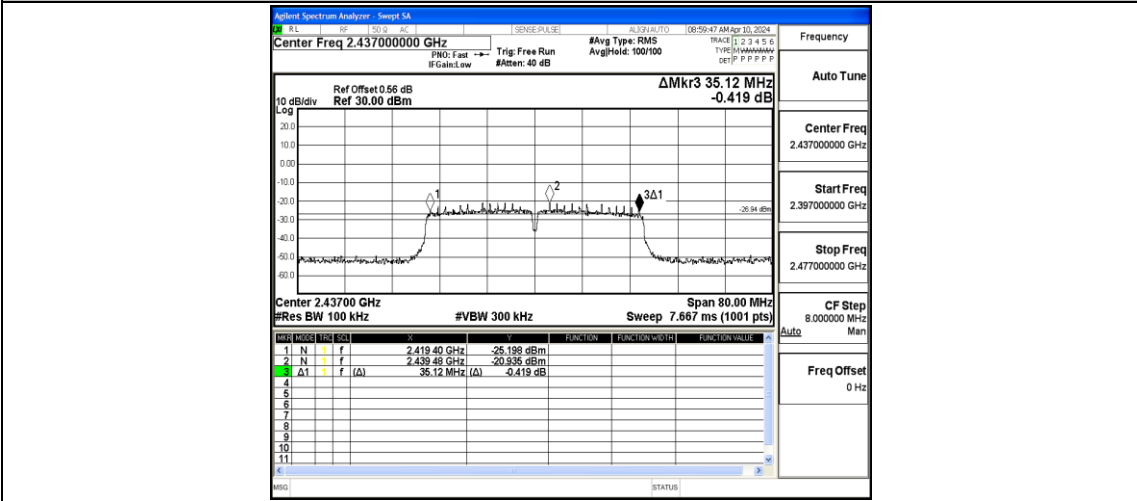
11N20SISO-Ant1-2437-PASS



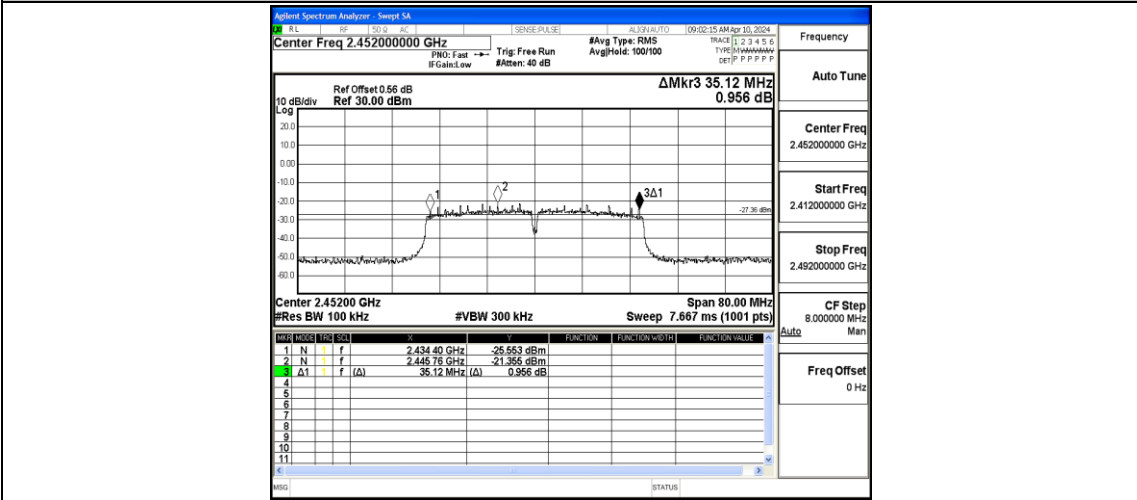
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



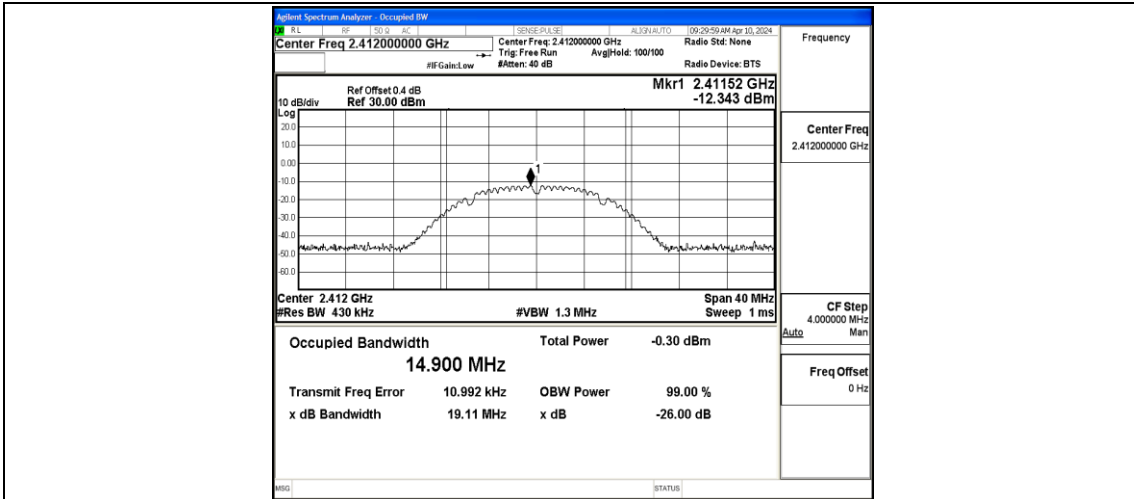
11N40SISO-Ant1-2452-PASS

Appendix B: Occupied Channel Bandwidth

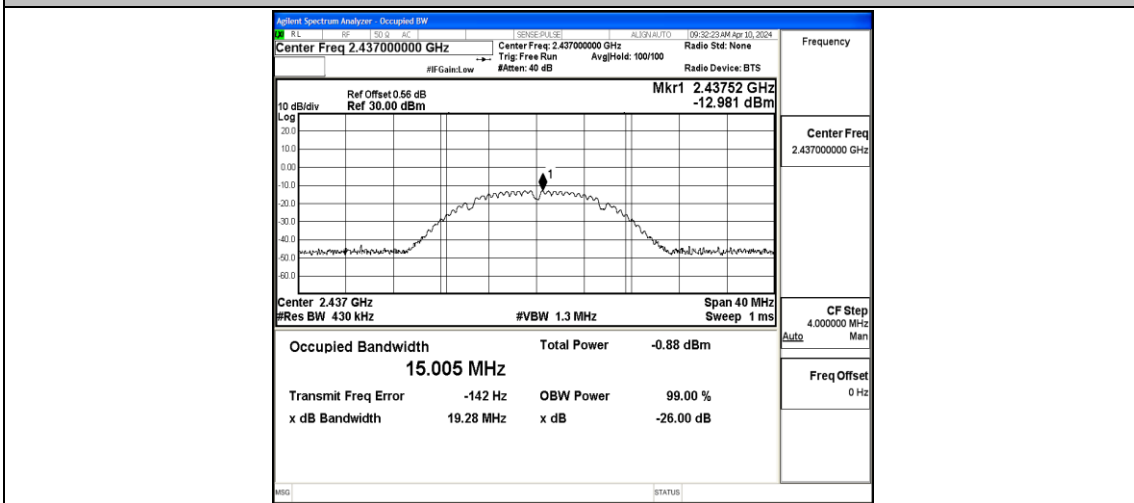
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.900	2404.5610	2419.4610	---	---
11B	Ant1	2437	15.005	2429.4974	2444.5024	---	---
11B	Ant1	2462	14.953	2454.5157	2469.4687	---	---
11G	Ant1	2412	16.710	2403.6695	2420.3795	---	---
11G	Ant1	2437	16.708	2428.6358	2445.3438	---	---
11G	Ant1	2462	16.639	2453.7122	2470.3512	---	---
11N20SISO	Ant1	2412	17.927	2403.0295	2420.9565	---	---
11N20SISO	Ant1	2437	17.949	2428.0312	2445.9802	---	---
11N20SISO	Ant1	2462	17.924	2453.0345	2470.9585	---	---
11N40SISO	Ant1	2422	36.420	2403.7841	2440.2041	---	---
11N40SISO	Ant1	2437	36.420	2418.8353	2455.2553	---	---
11N40SISO	Ant1	2452	36.514	2433.7926	2470.3066	---	---

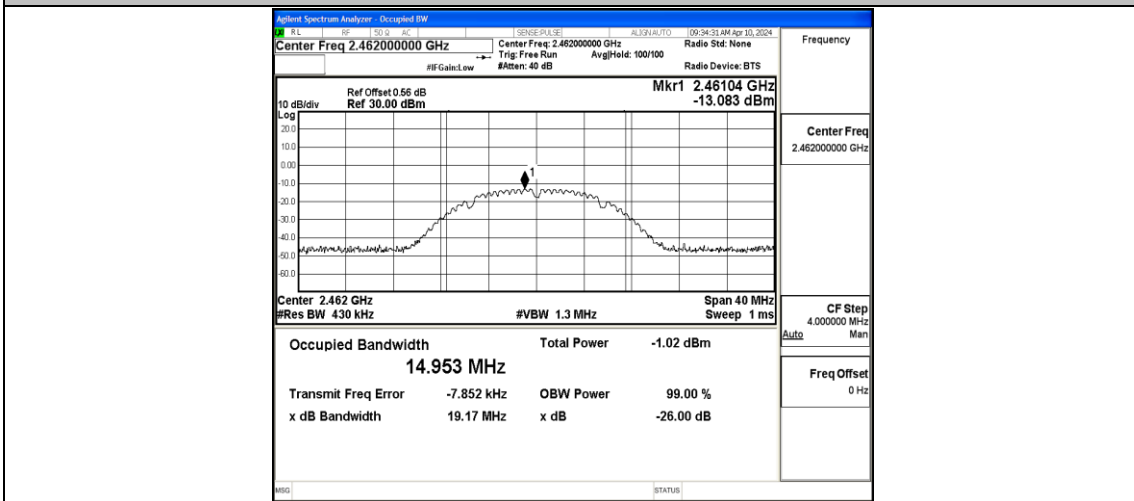
Test Graphs



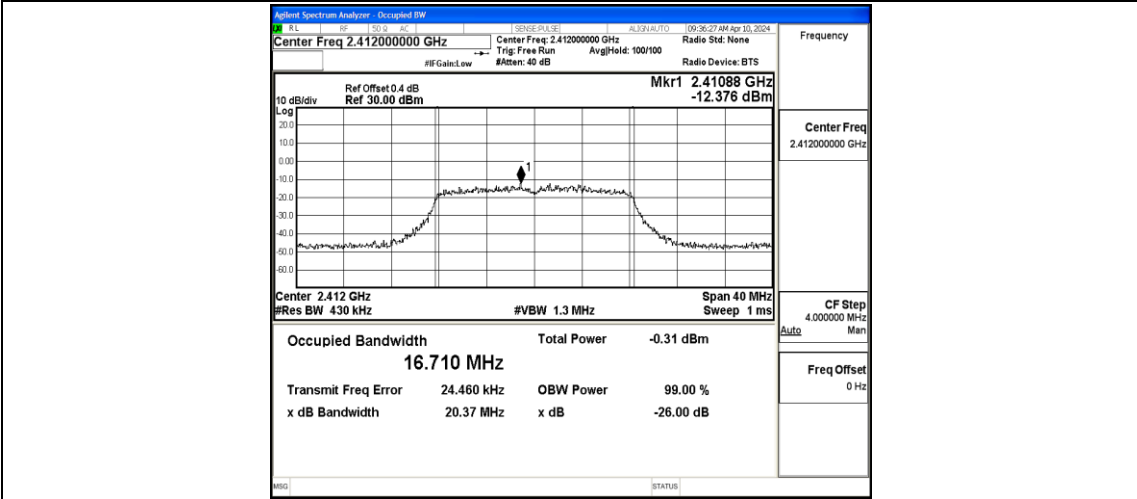
11B-Ant1-2412



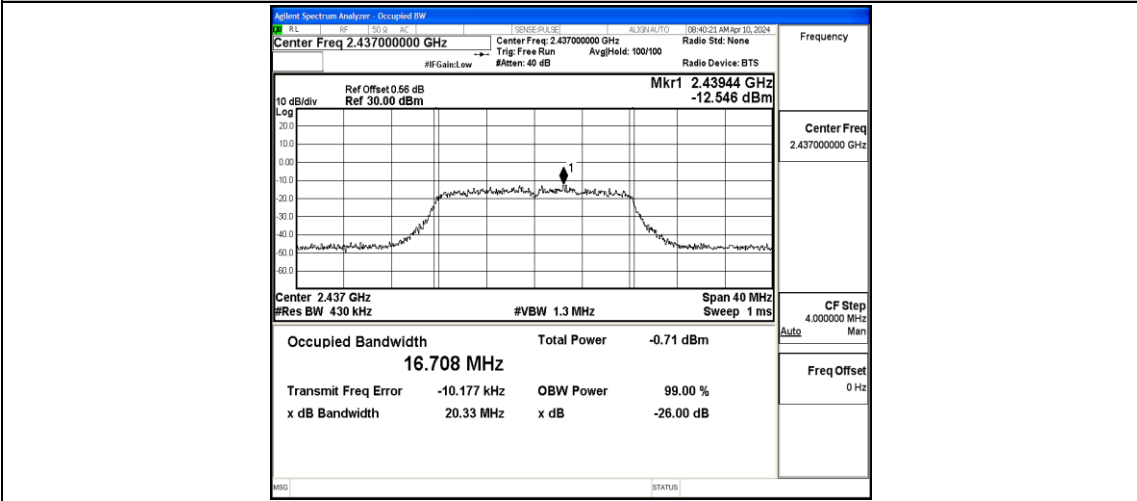
11B-Ant1-2437



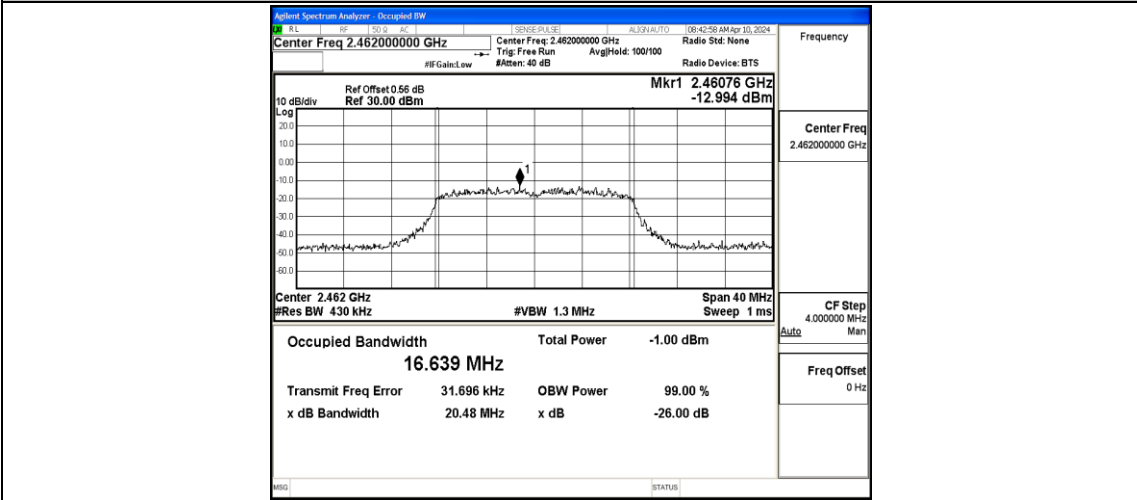
11B-Ant1-2462



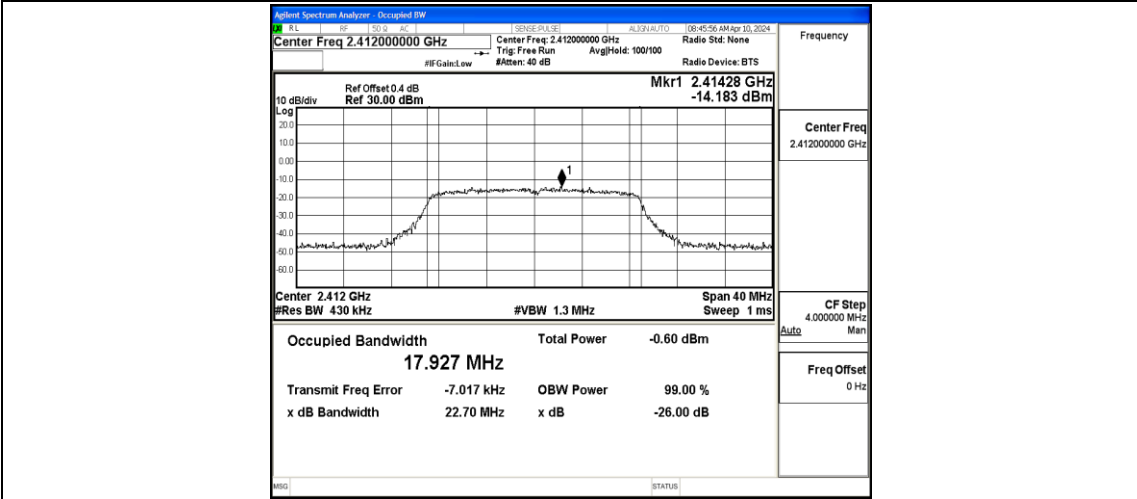
11G-Ant1-2412



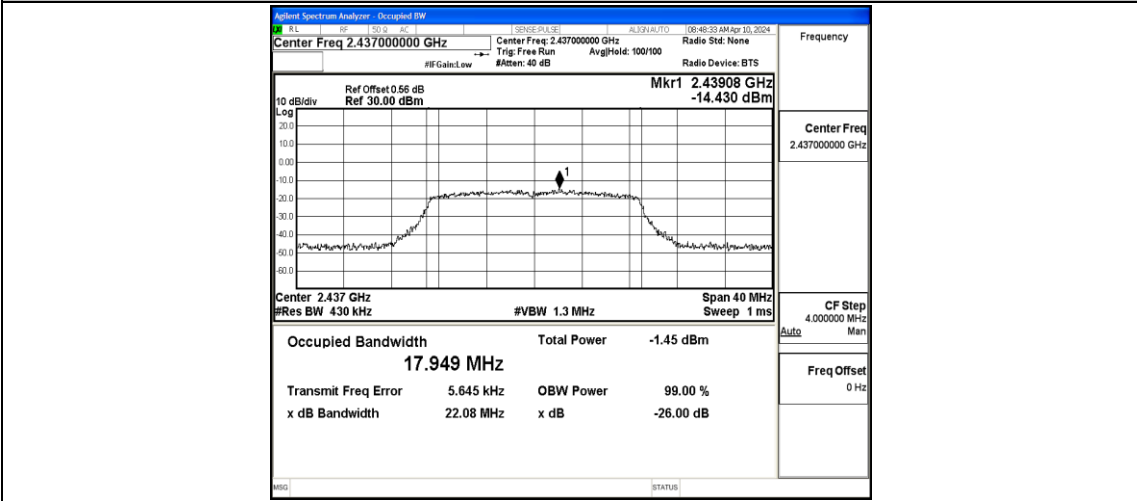
11G-Ant1-2437



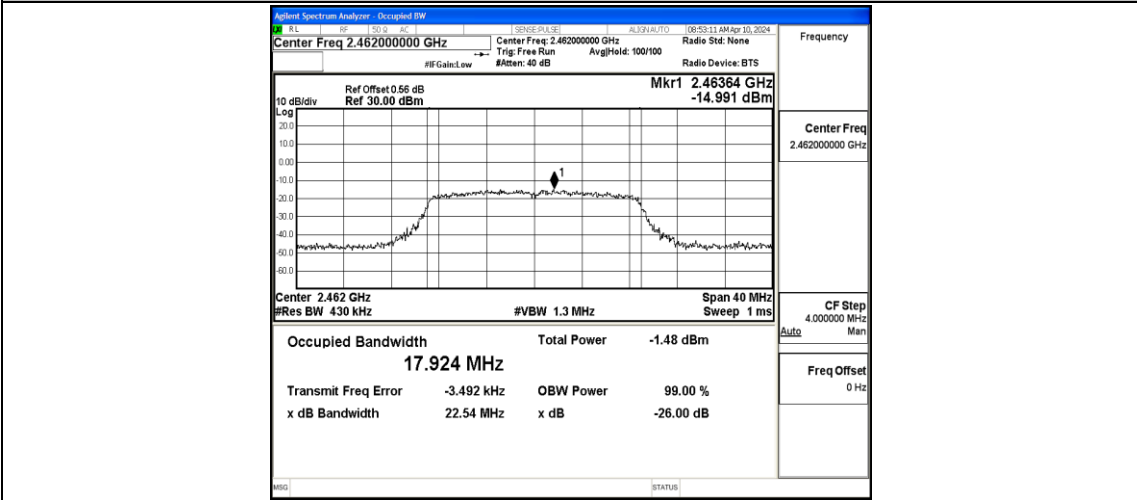
11G-Ant1-2462



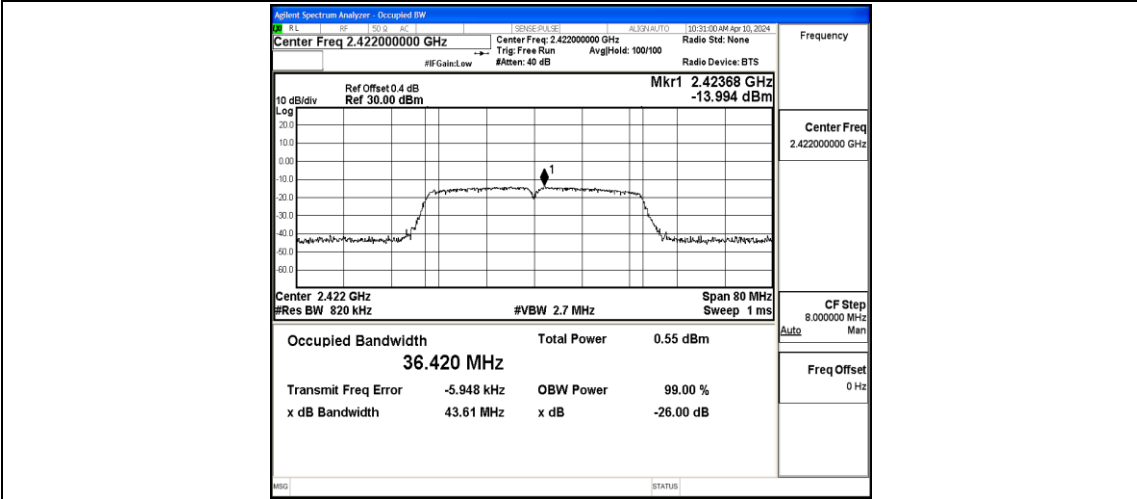
11N20SISO-Ant1-2412



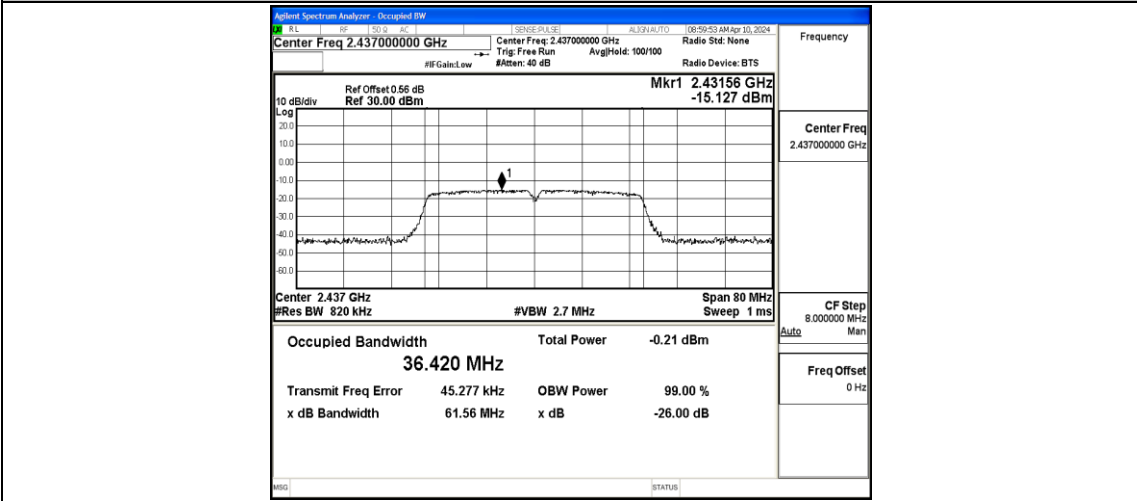
11N20SISO-Ant1-2437



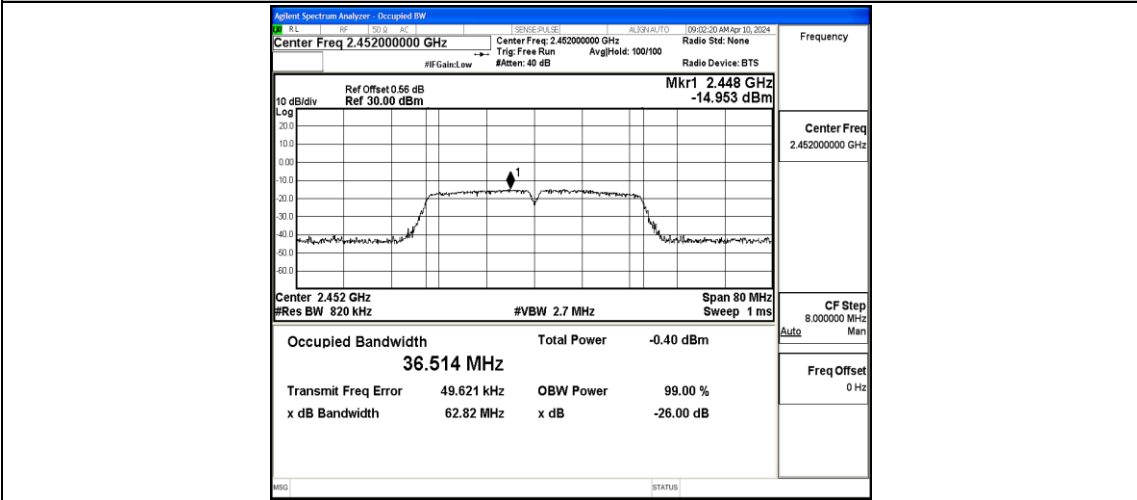
11N20SISO-Ant1-2462



11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



11N40SISO-Ant1-2452

Appendix C: Maximum Average conducted output power

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	-0.70	≤30.00	PASS
11B	Ant1	2437	-1.31	≤30.00	PASS
11B	Ant1	2462	-1.42	≤30.00	PASS
11G	Ant1	2412	0.84	≤30.00	PASS
11G	Ant1	2437	0.24	≤30.00	PASS
11G	Ant1	2462	-0.07	≤30.00	PASS
11N20SIS O	Ant1	2412	0.45	≤30.00	PASS
11N20SIS O	Ant1	2437	-0.42	≤30.00	PASS
11N20SIS O	Ant1	2462	-0.58	≤30.00	PASS
11N40SIS O	Ant1	2422	0.37	≤30.00	PASS
11N40SIS O	Ant1	2437	0.00	≤30.00	PASS
11N40SIS O	Ant1	2452	-0.24	≤30.00	PASS

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

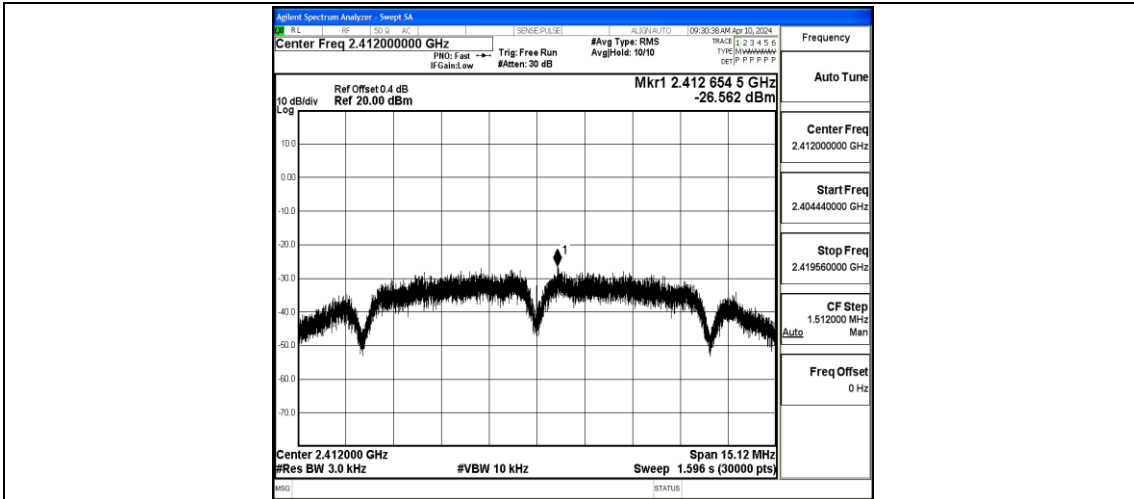
Appendix D: Maximum Average power spectral density

Test Result

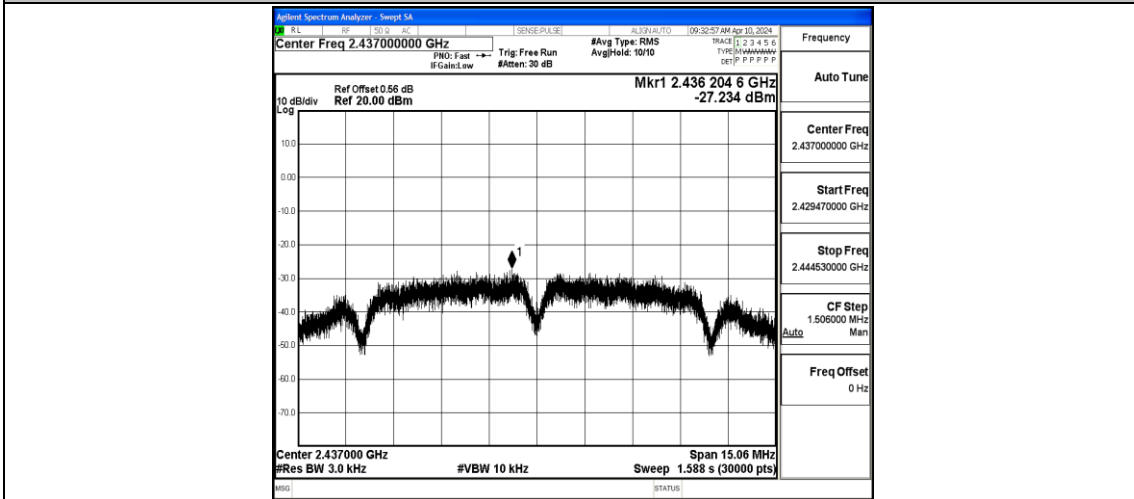
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-26.56	≤8.00	PASS
11B	Ant1	2437	-27.23	≤8.00	PASS
11B	Ant1	2462	-27.18	≤8.00	PASS
11G	Ant1	2412	-31.61	≤8.00	PASS
11G	Ant1	2437	-30.70	≤8.00	PASS
11G	Ant1	2462	-31.83	≤8.00	PASS
11N20SISO	Ant1	2412	-31.67	≤8.00	PASS
11N20SISO	Ant1	2437	-32.77	≤8.00	PASS
11N20SISO	Ant1	2462	-32.49	≤8.00	PASS
11N40SISO	Ant1	2422	-33.75	≤8.00	PASS
11N40SISO	Ant1	2437	-34.80	≤8.00	PASS
11N40SISO	Ant1	2452	-35.76	≤8.00	PASS

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

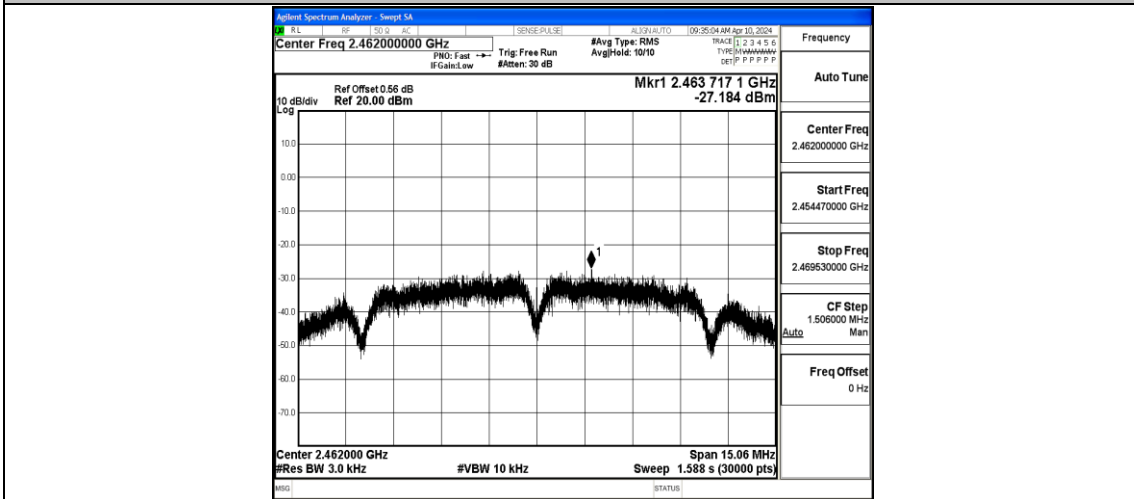
Test Graphs



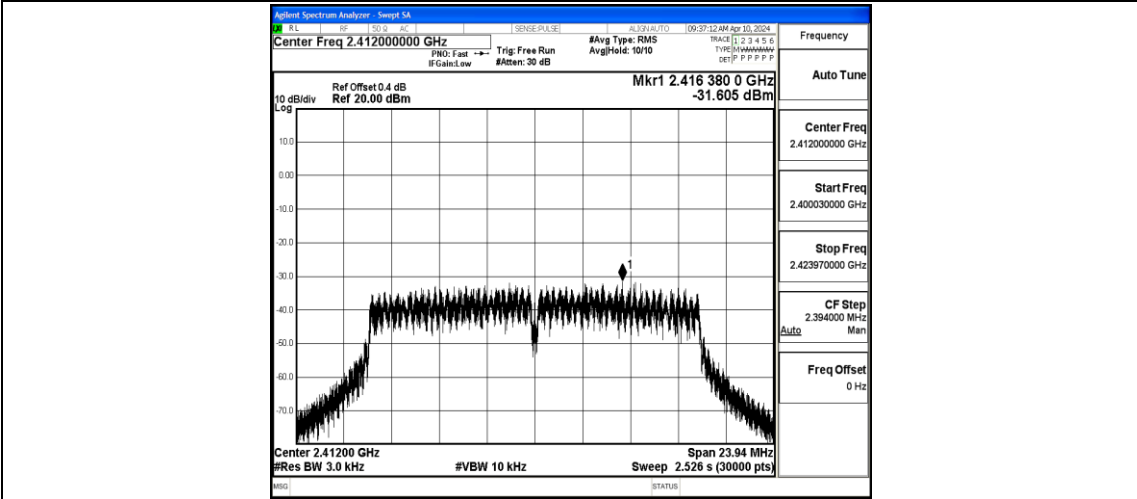
11B-Ant1-2412-PASS



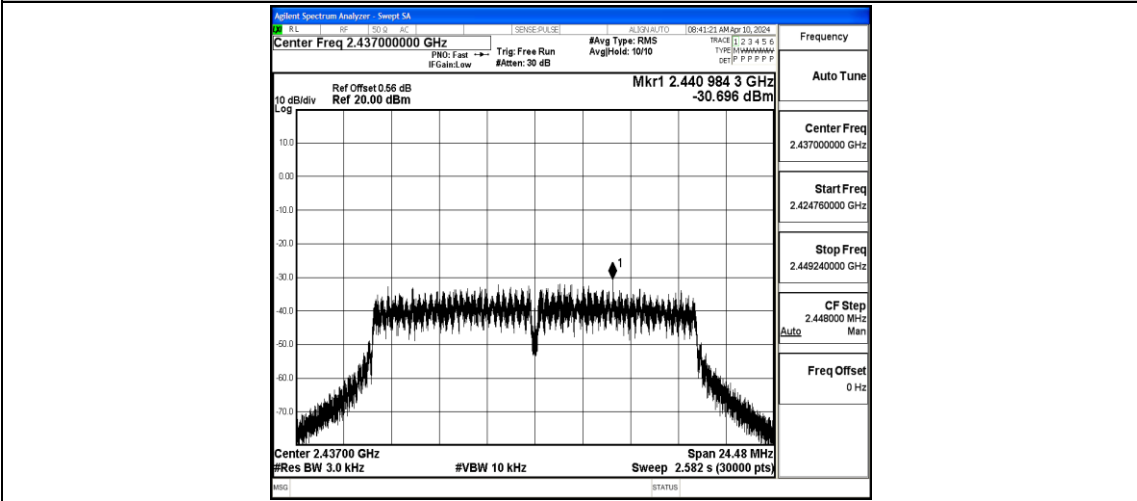
11B-Ant1-2437-PASS



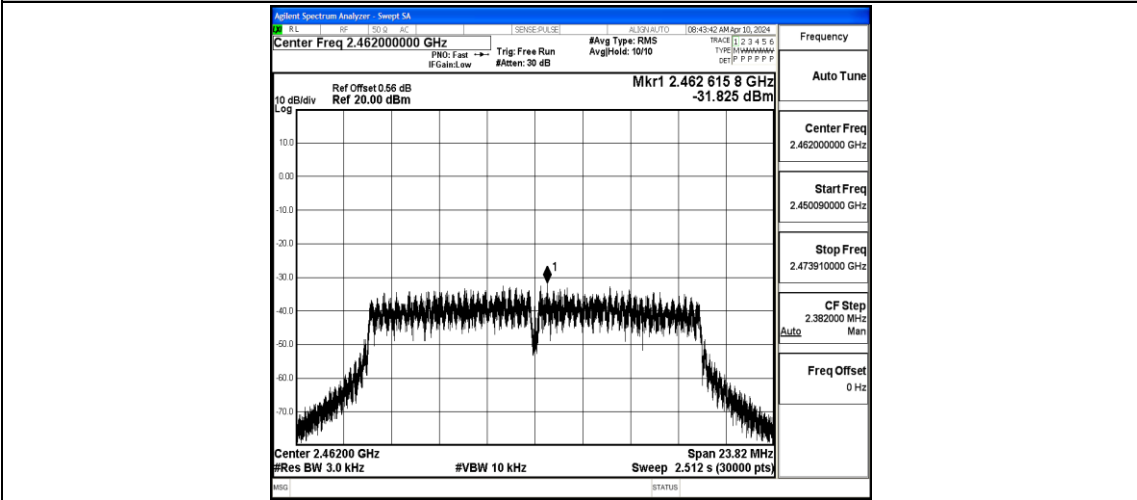
11B-Ant1-2462-PASS



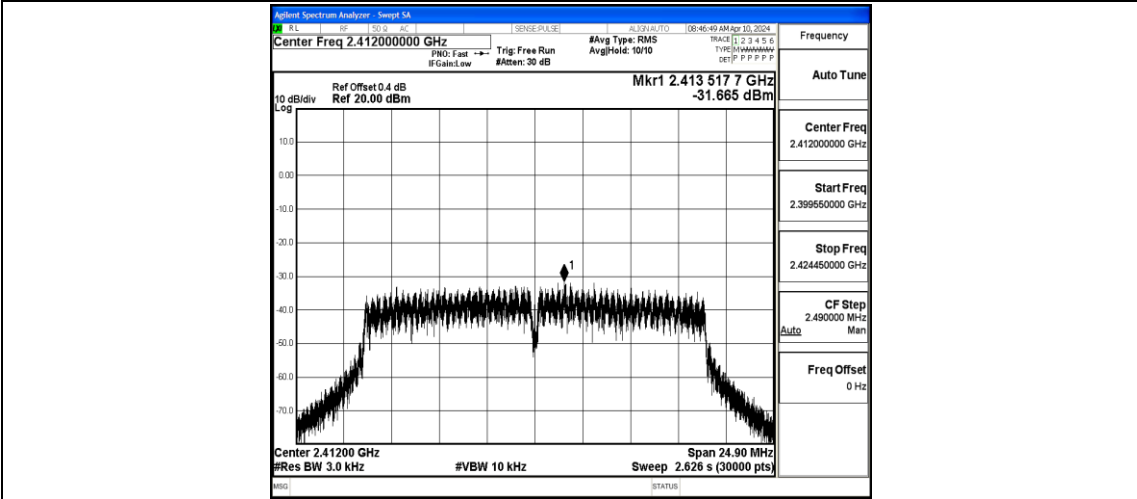
11G-Ant1-2412-PASS



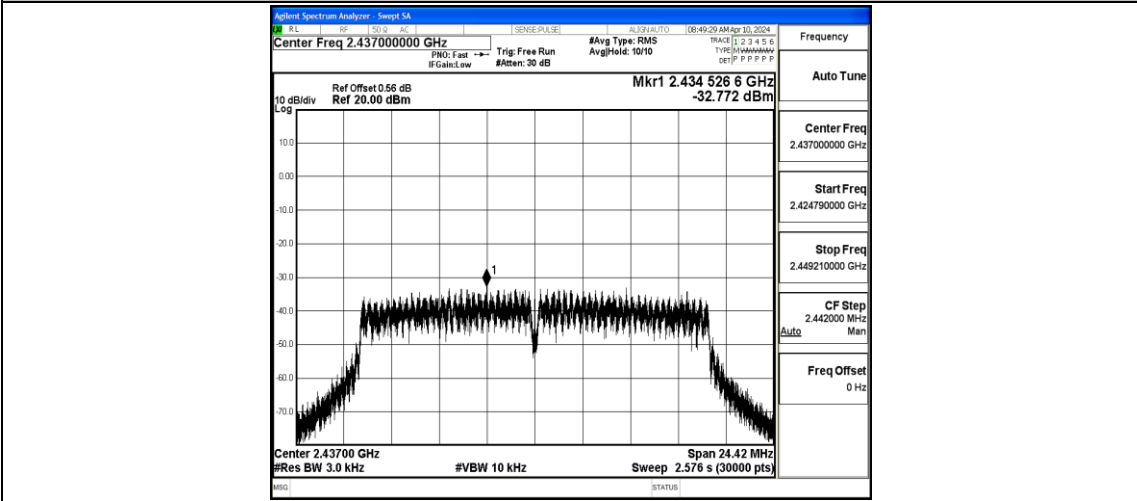
11G-Ant1-2437-PASS



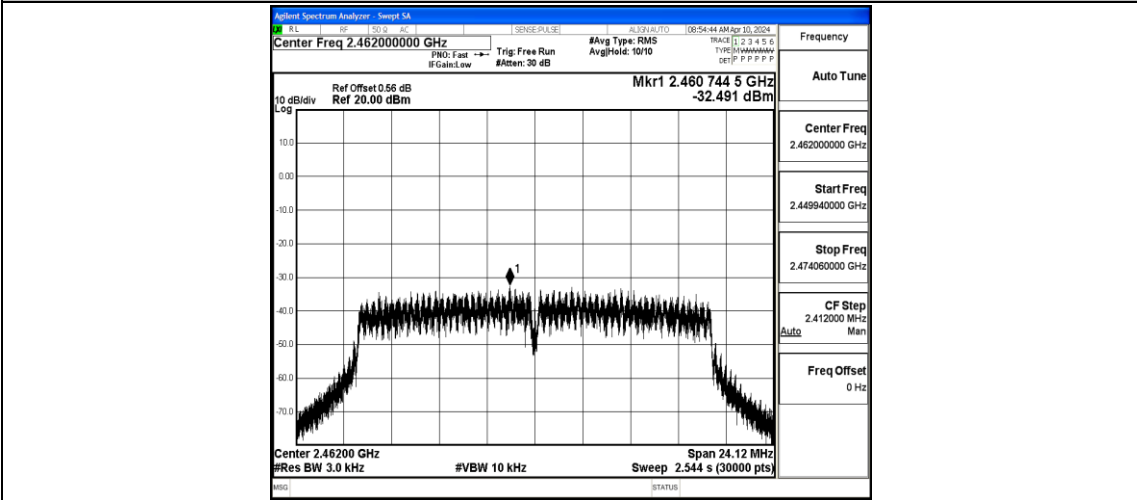
11G-Ant1-2462-PASS



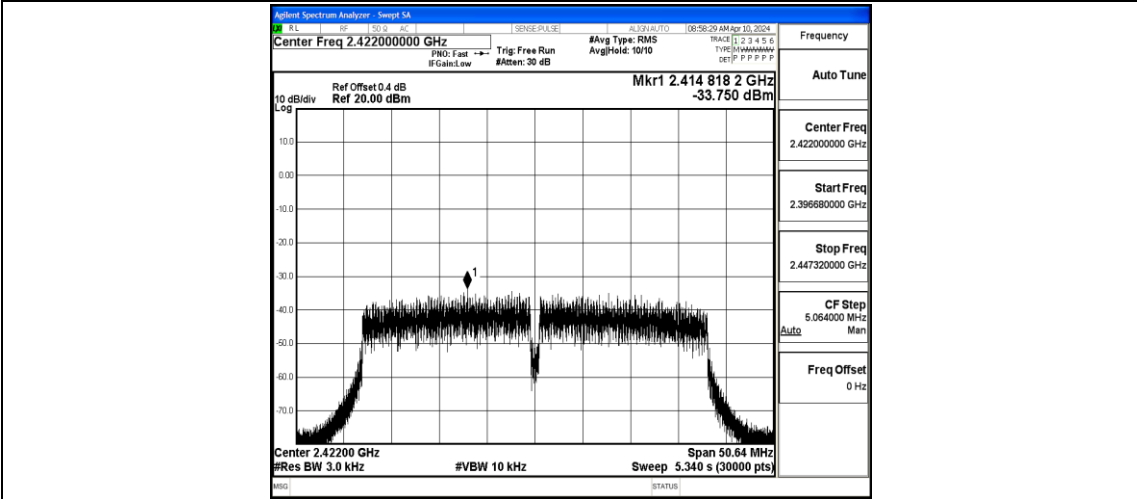
11N20SISO-Ant1-2412-PASS



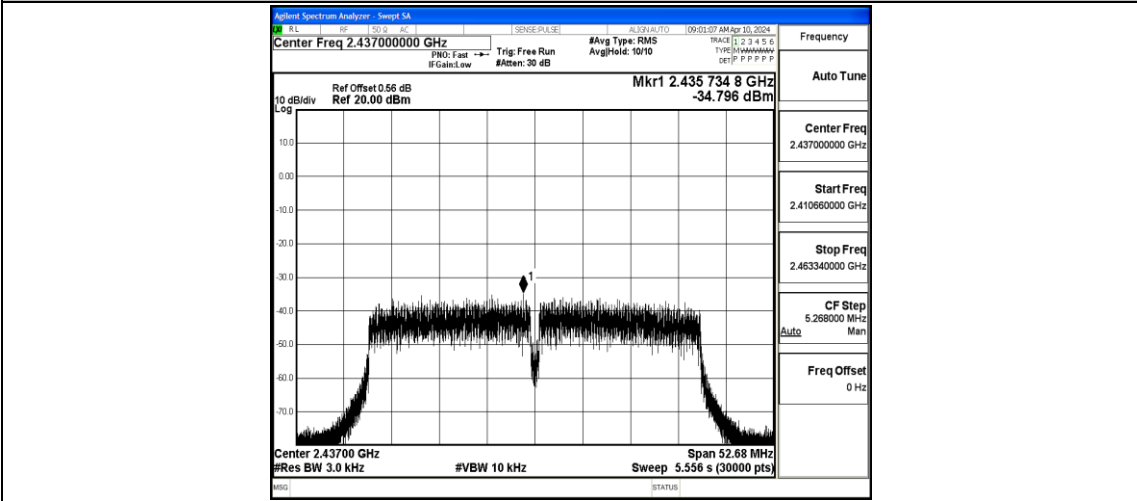
11N20SISO-Ant1-2437-PASS



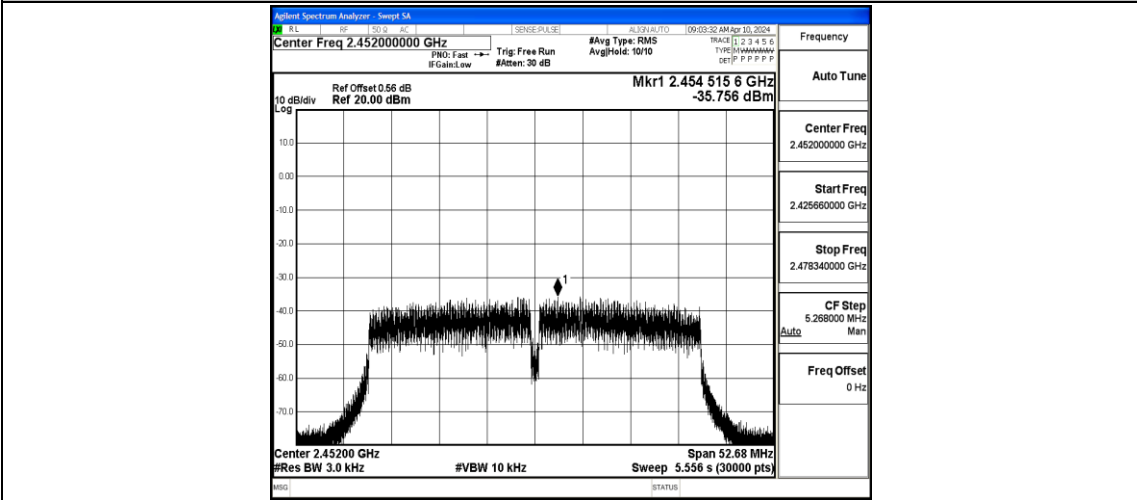
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



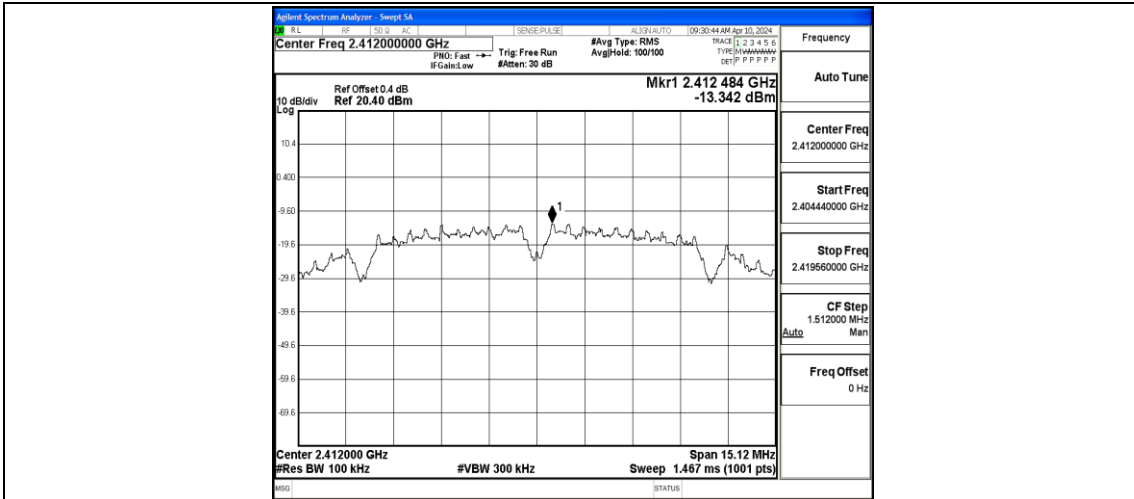
11N40SISO-Ant1-2452-PASS

Appendix E: Reference level measurement

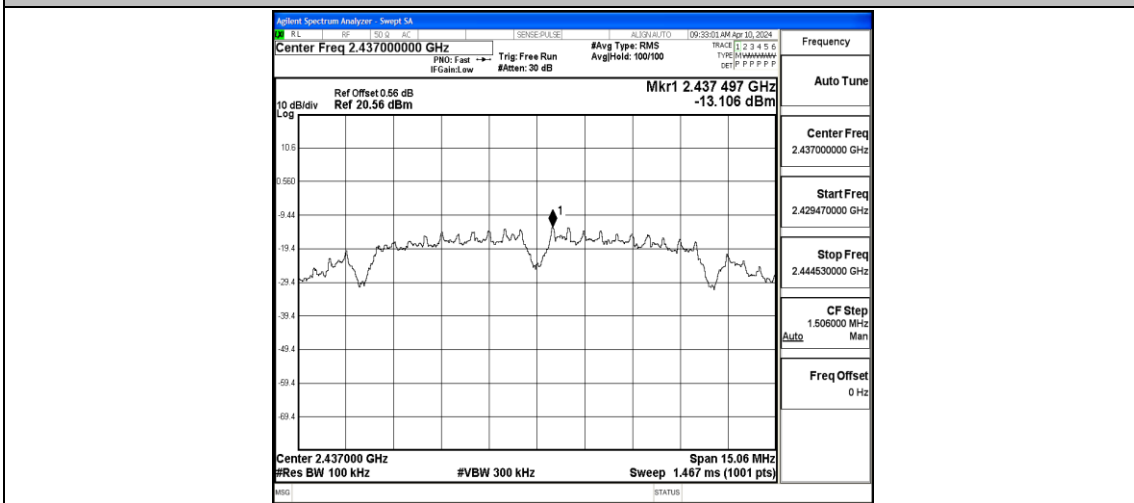
Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2412.48	-13.34
11B	Ant1	2437	2437.50	-13.11
11B	Ant1	2462	2463.99	-13.62
11G	Ant1	2412	2407.02	-19.35
11G	Ant1	2437	2441.97	-18.77
11G	Ant1	2462	2465.76	-18.68
11N20SISO	Ant1	2412	2415.74	-17.78
11N20SISO	Ant1	2437	2440.74	-18.72
11N20SISO	Ant1	2462	2464.51	-19.10
11N40SISO	Ant1	2422	2416.99	-20.10
11N40SISO	Ant1	2437	2432.00	-20.63
11N40SISO	Ant1	2452	2455.74	-21.08

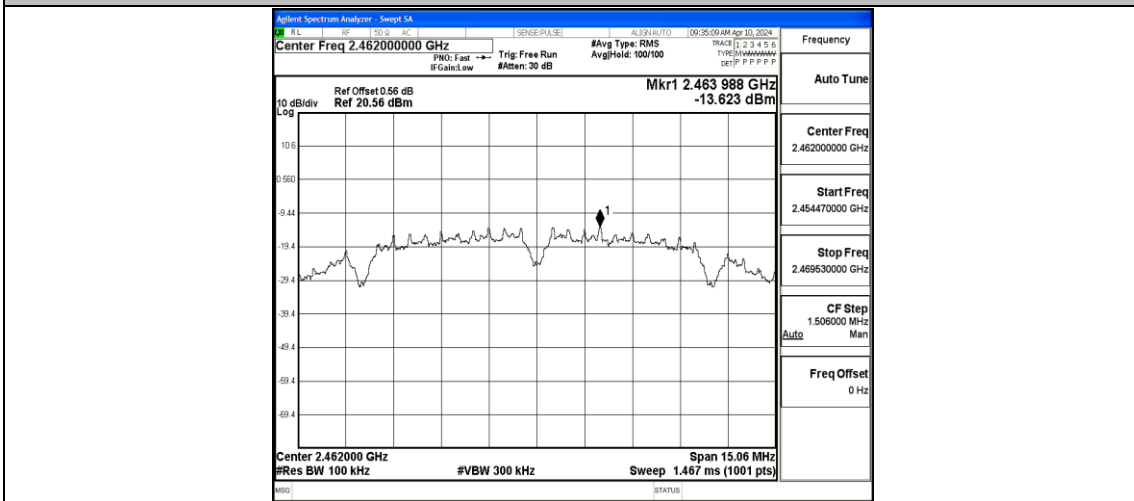
Test Graphs



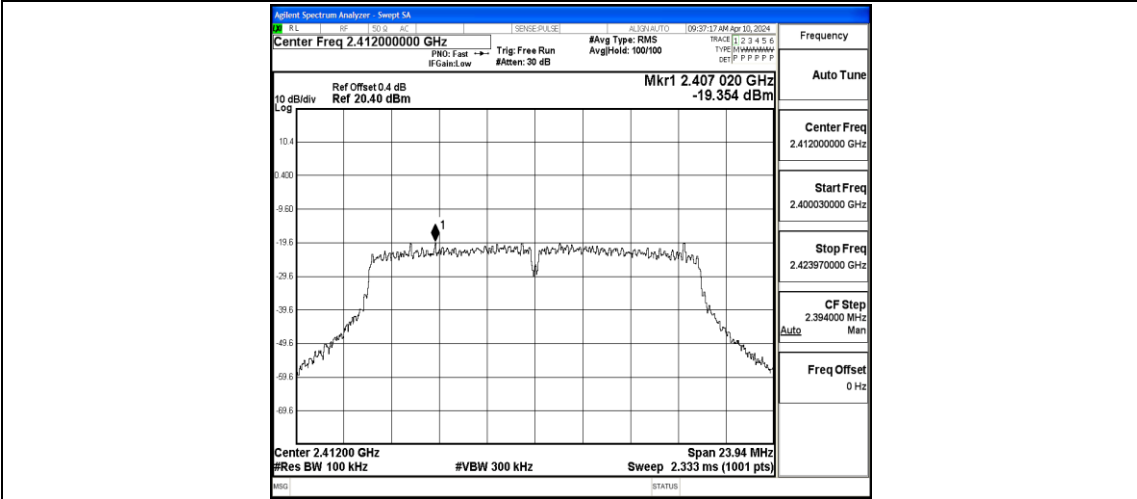
11B-Ant1-2412-PASS



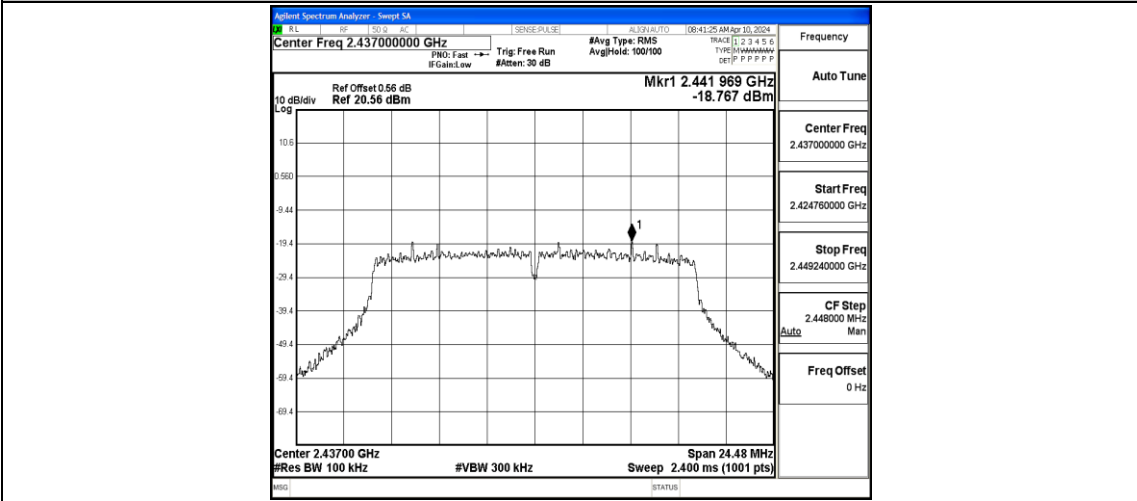
11B-Ant1-2437-PASS



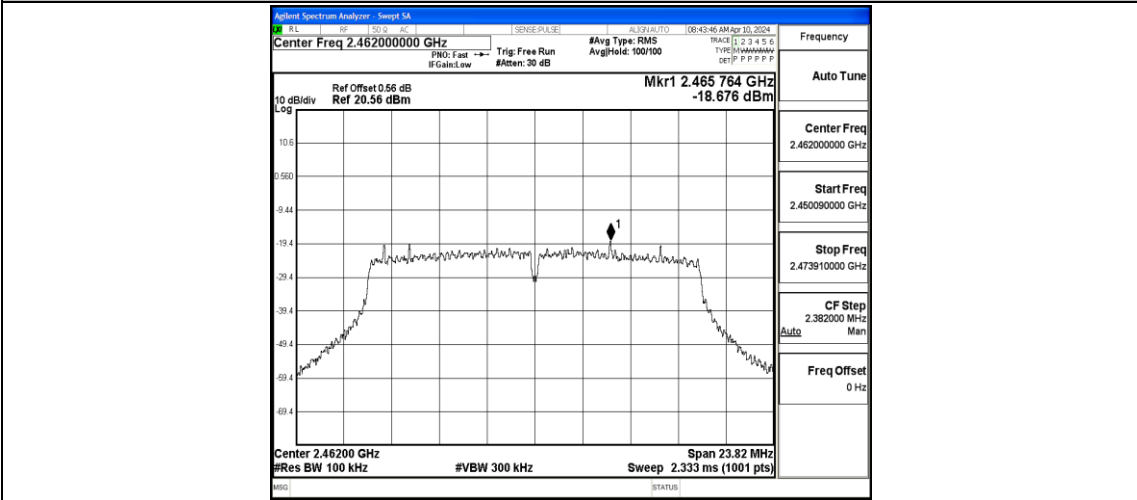
11B-Ant1-2462-PASS



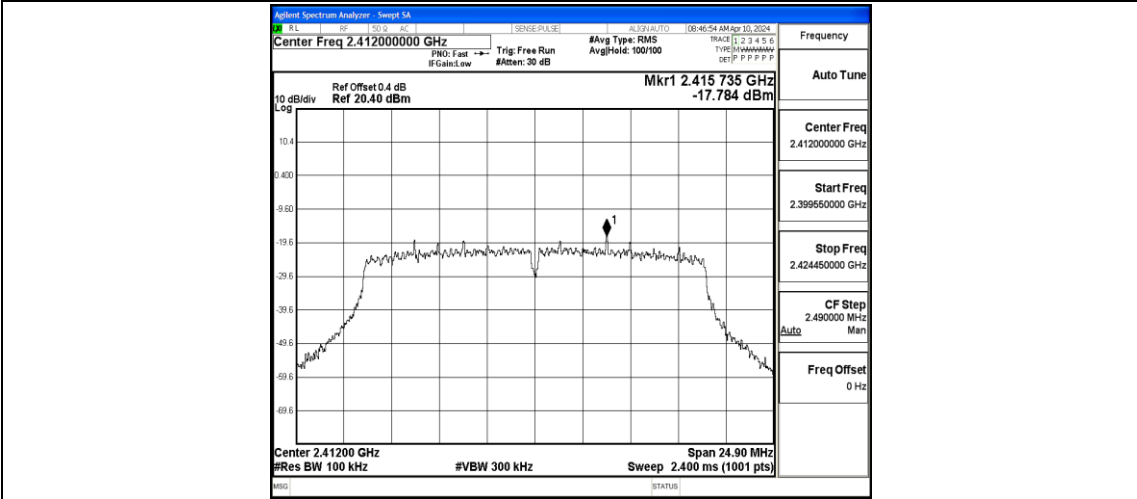
11G-Ant1-2412-PASS



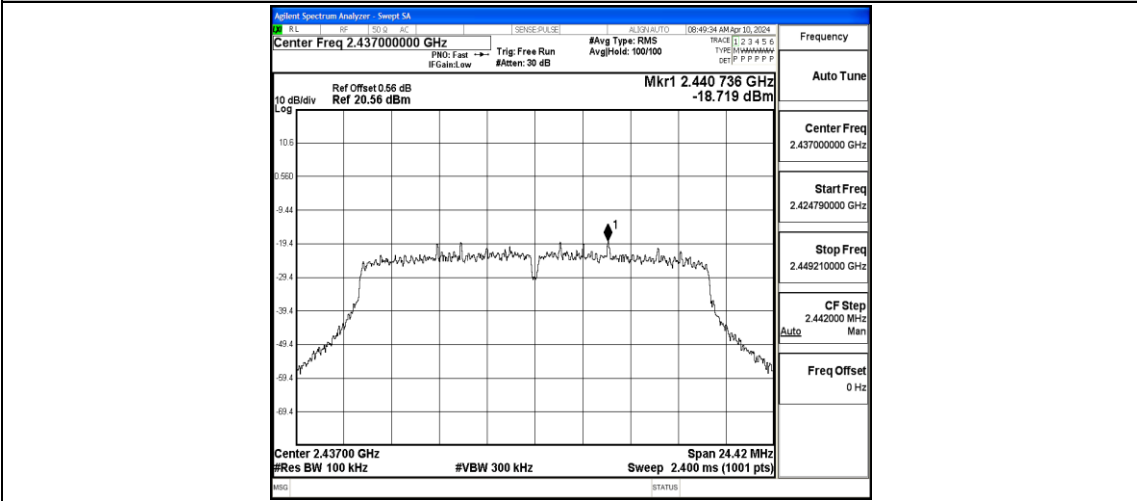
11G-Ant1-2437-PASS



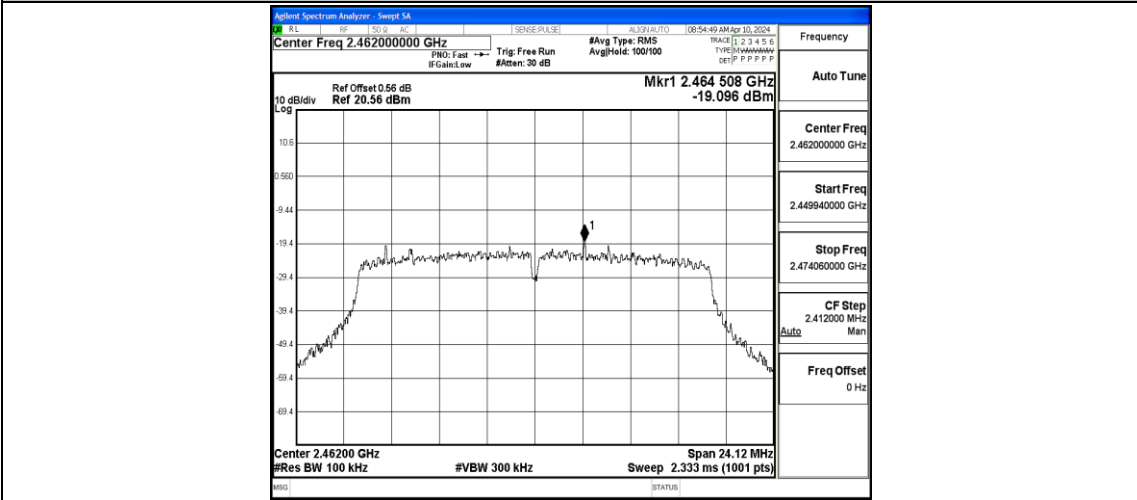
11G-Ant1-2462-PASS



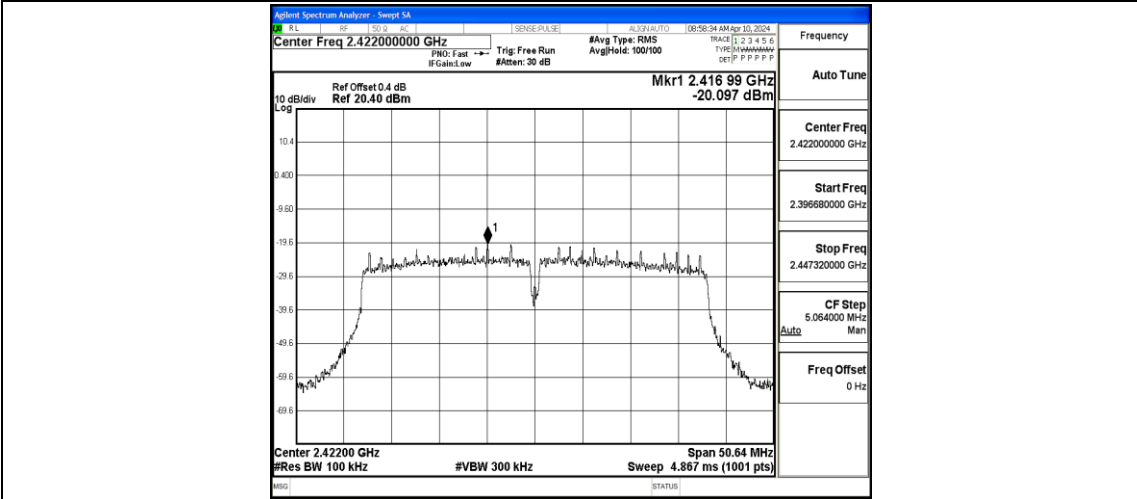
11N20SISO-Ant1-2412-PASS



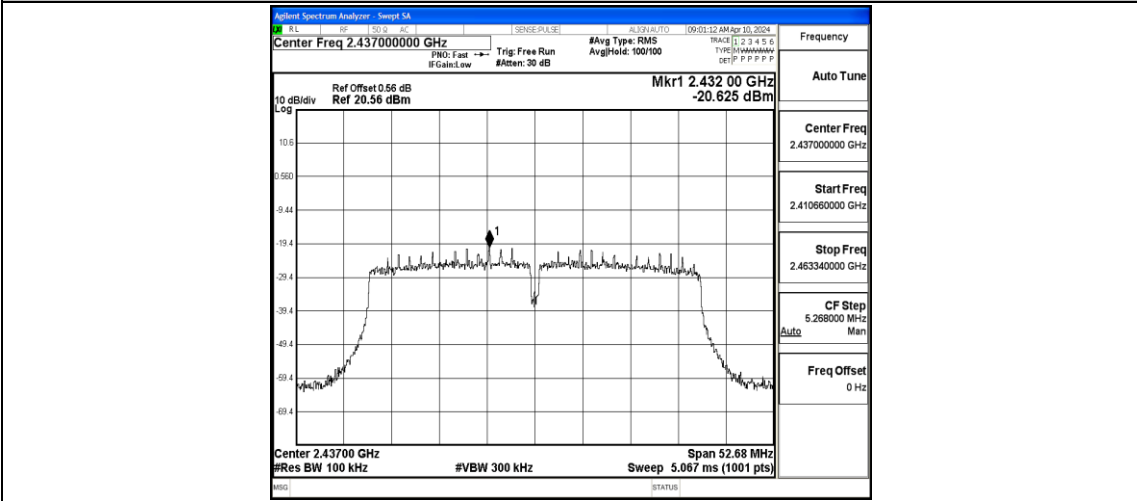
11N20SISO-Ant1-2437-PASS



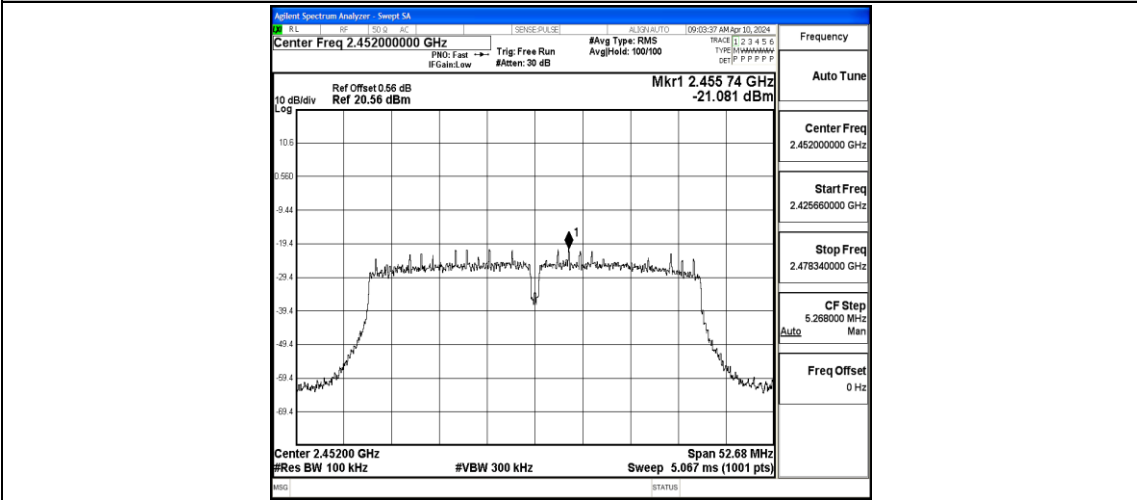
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



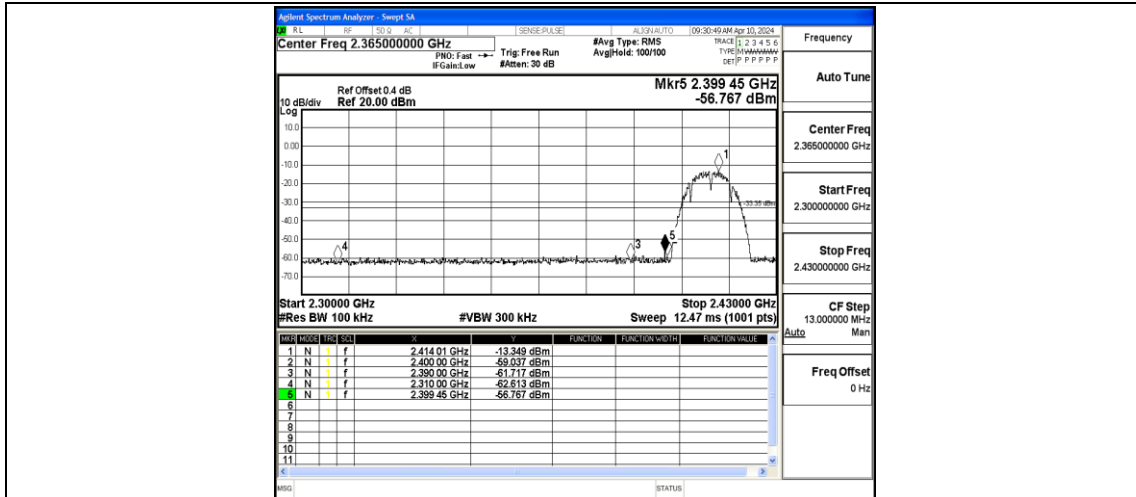
11N40SISO-Ant1-2452-PASS

Appendix F: Band edge measurements

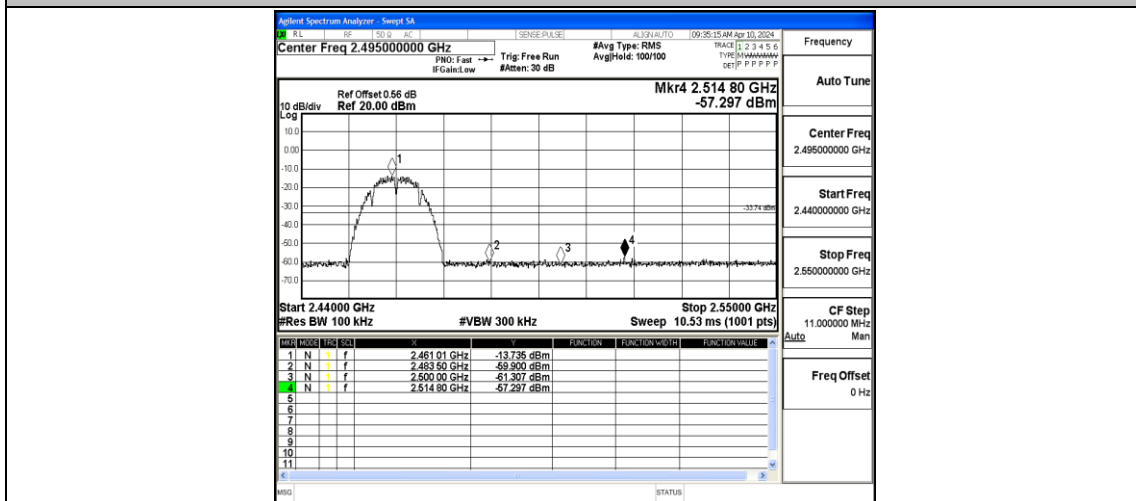
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-13.35	-56.77	≤-33.35	PASS
11B	Ant1	High	2462	-13.74	-57.3	≤-33.74	PASS
11G	Ant1	Low	2412	-17.81	-55.96	≤-37.81	PASS
11G	Ant1	High	2462	-18.44	-57.22	≤-38.44	PASS
11N20SISO	Ant1	Low	2412	-17.21	-54.95	≤-37.21	PASS
11N20SISO	Ant1	High	2462	-19.93	-56.8	≤-39.93	PASS
11N40SISO	Ant1	Low	2422	-20.10	-58.41	≤-40.1	PASS
11N40SISO	Ant1	High	2452	-20.73	-58.17	≤-40.73	PASS

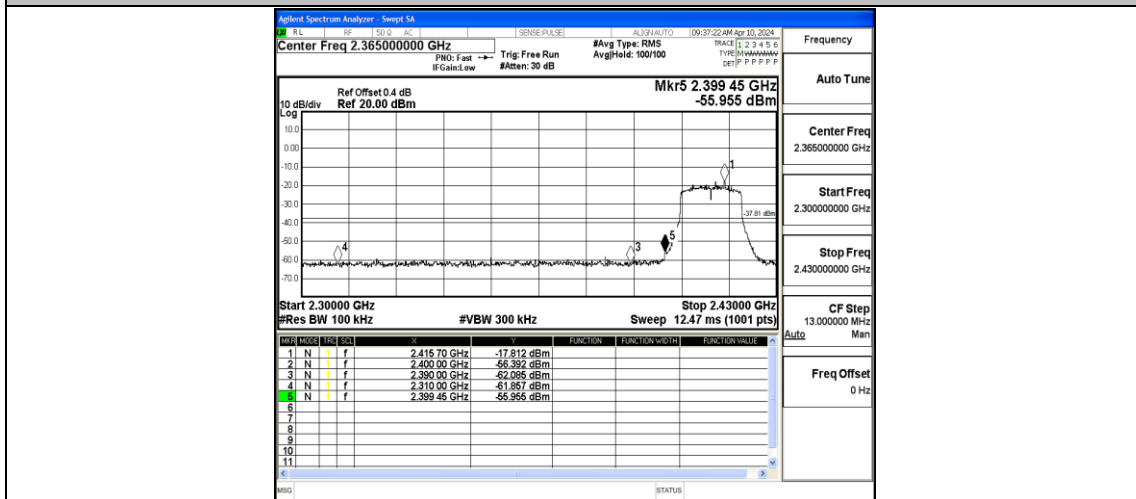
Test Graphs



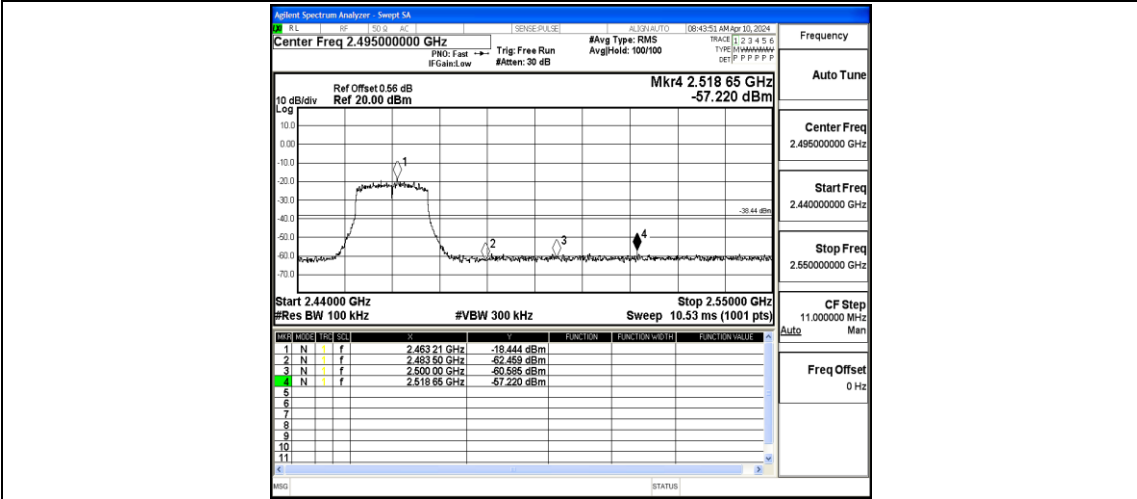
11B-Ant1-2412-PASS



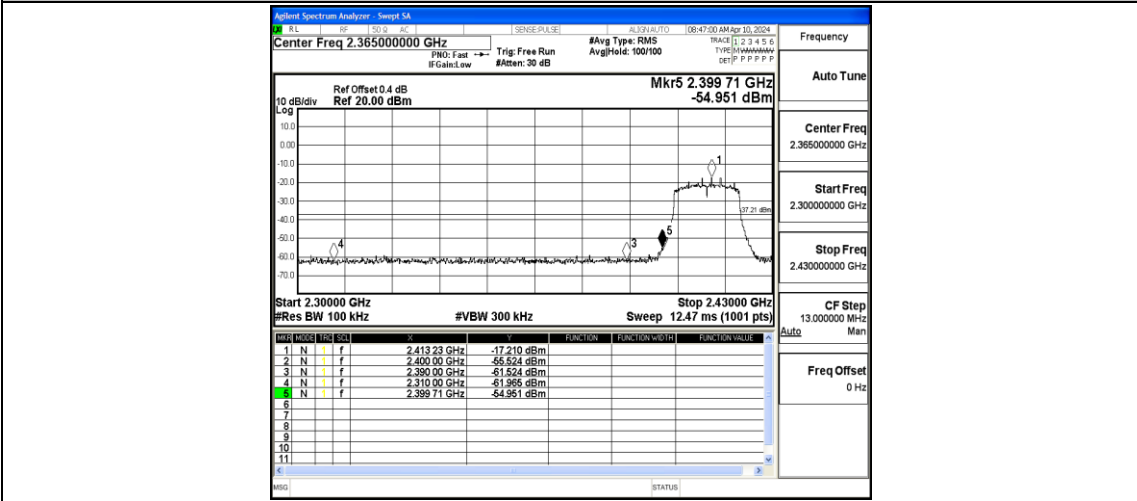
11B-Ant1-2462-PASS



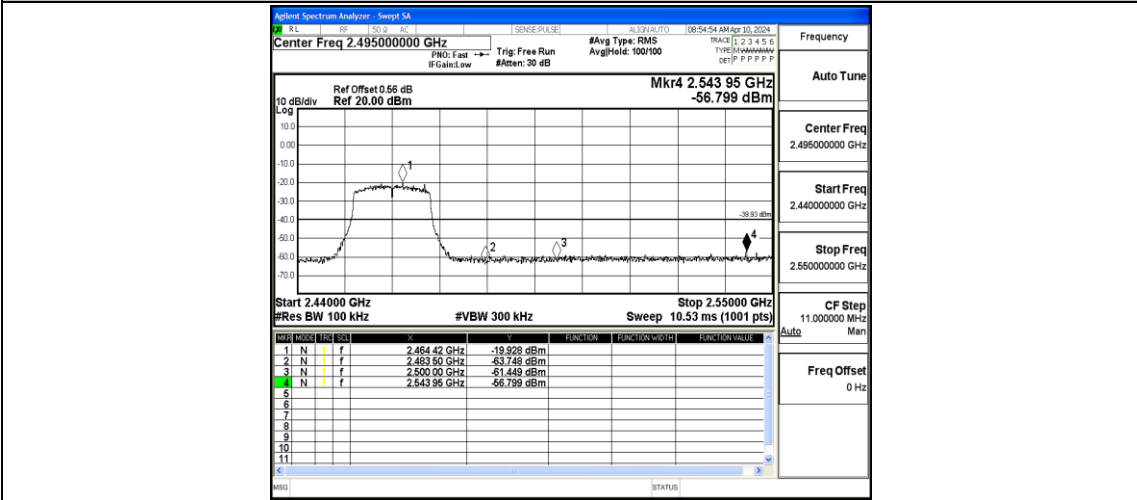
11G-Ant1-2412-PASS



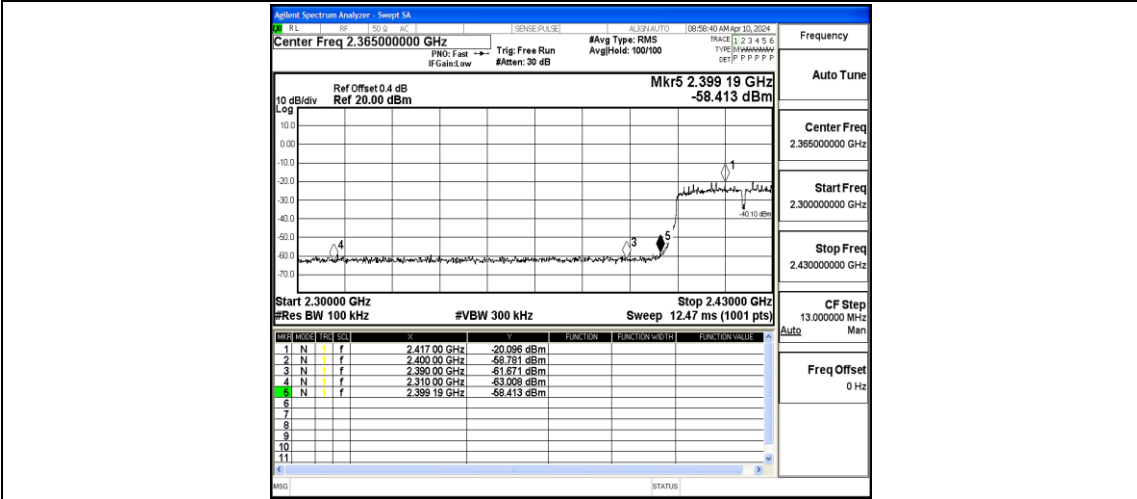
11G-Ant1-2462-PASS



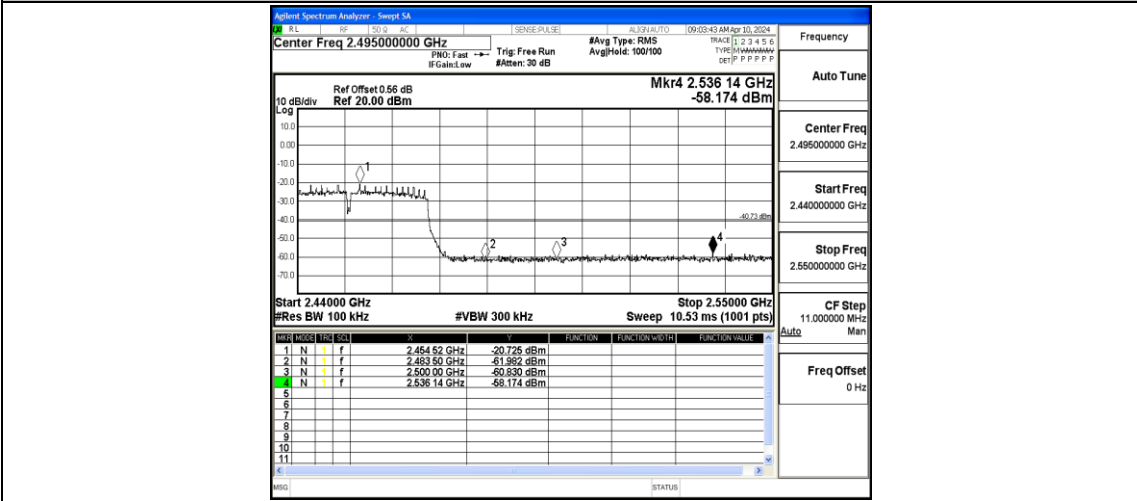
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



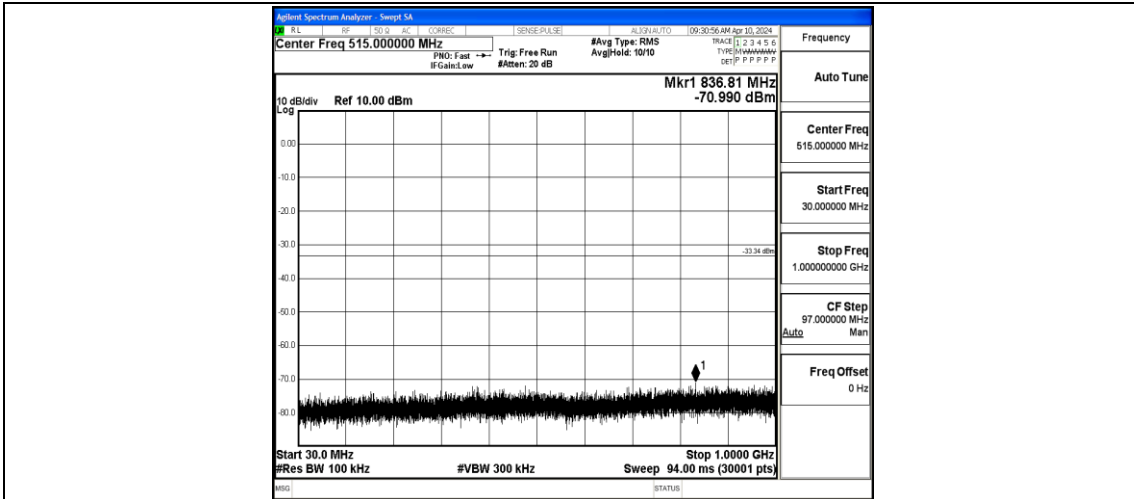
11N40SISO-Ant1-2452-PASS

Appendix G: Conducted Spurious Emission

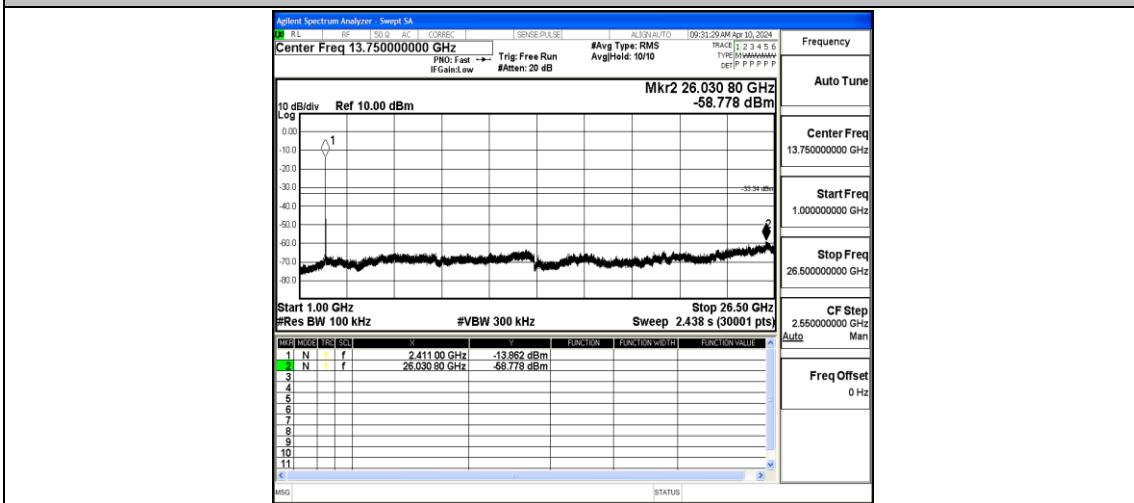
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	-13.34	-70.99	≤-33.34	PASS
11B	Ant1	2412	1000~26500	-13.34	-58.78	≤-33.34	PASS
11B	Ant1	2437	30~1000	-13.11	-70.87	≤-33.11	PASS
11B	Ant1	2437	1000~26500	-13.11	-58.66	≤-33.11	PASS
11B	Ant1	2462	30~1000	-13.62	-70.41	≤-33.62	PASS
11B	Ant1	2462	1000~26500	-13.62	-58.56	≤-33.62	PASS
11G	Ant1	2412	30~1000	-19.35	-71.71	≤-39.35	PASS
11G	Ant1	2412	1000~26500	-19.35	-58.57	≤-39.35	PASS
11G	Ant1	2437	30~1000	-18.77	-71.27	≤-38.77	PASS
11G	Ant1	2437	1000~26500	-18.77	-59.49	≤-38.77	PASS
11G	Ant1	2462	30~1000	-18.68	-70.72	≤-38.68	PASS
11G	Ant1	2462	1000~26500	-18.68	-59.89	≤-38.68	PASS
11N20SISO	Ant1	2412	30~1000	-17.78	-71.15	≤-37.78	PASS
11N20SISO	Ant1	2412	1000~26500	-17.78	-59.93	≤-37.78	PASS
11N20SISO	Ant1	2437	30~1000	-18.72	-72.01	≤-38.72	PASS
11N20SISO	Ant1	2437	1000~26500	-18.72	-58.85	≤-38.72	PASS
11N20SISO	Ant1	2462	30~1000	-19.10	-71.68	≤-39.1	PASS
11N20SISO	Ant1	2462	1000~26500	-19.10	-59.06	≤-39.1	PASS
11N40SISO	Ant1	2422	30~1000	-20.10	-71.21	≤-40.1	PASS
11N40SISO	Ant1	2422	1000~26500	-20.10	-59.32	≤-40.1	PASS
11N40SISO	Ant1	2437	30~1000	-20.63	-71.18	≤-40.63	PASS
11N40SISO	Ant1	2437	1000~26500	-20.63	-58.82	≤-40.63	PASS
11N40SISO	Ant1	2452	30~1000	-21.08	-71.21	≤-41.08	PASS
11N40SISO	Ant1	2452	1000~26500	-21.08	-58.69	≤-41.08	PASS

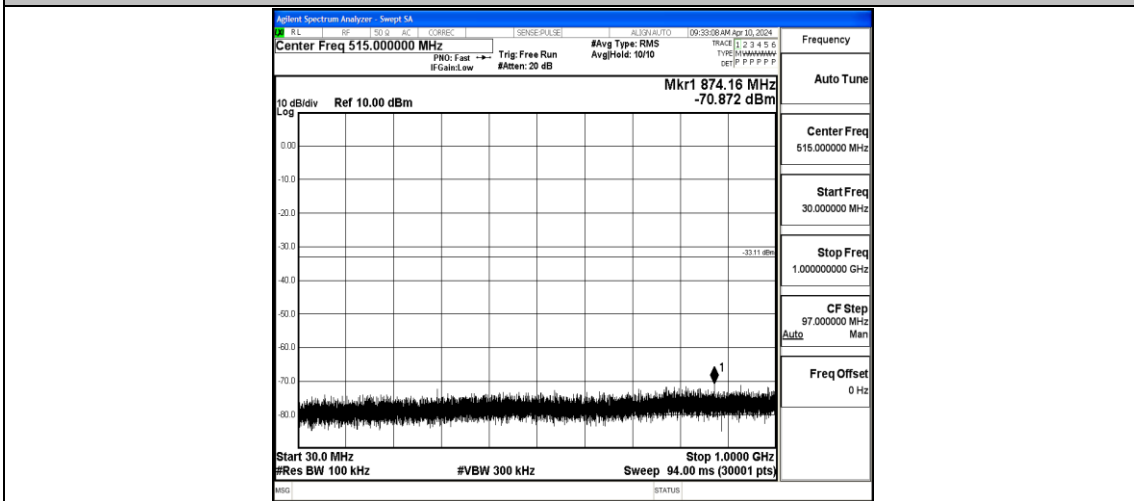
Test Graphs



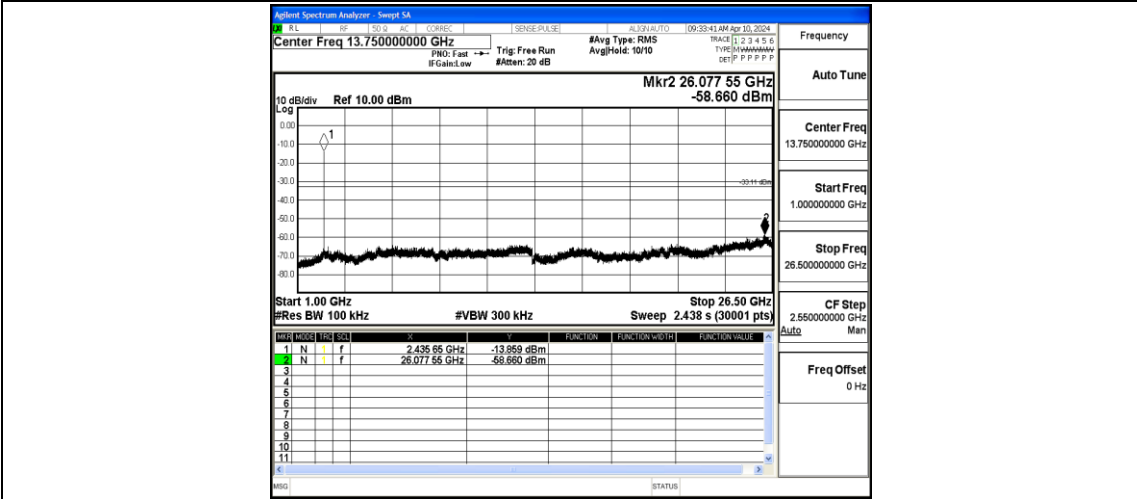
11B-Ant1-2412-30~1000-PASS



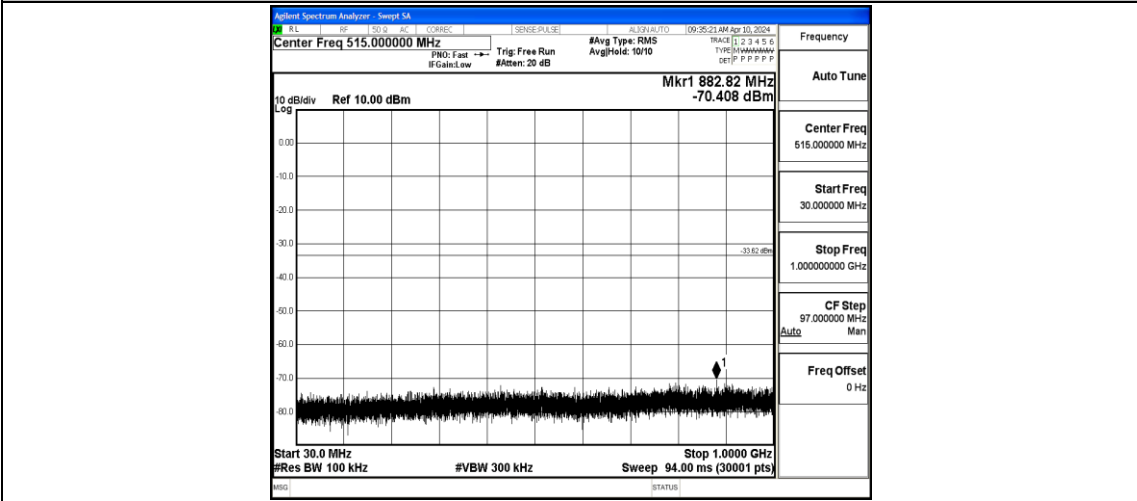
11B-Ant1-2412-1000~26500-PASS



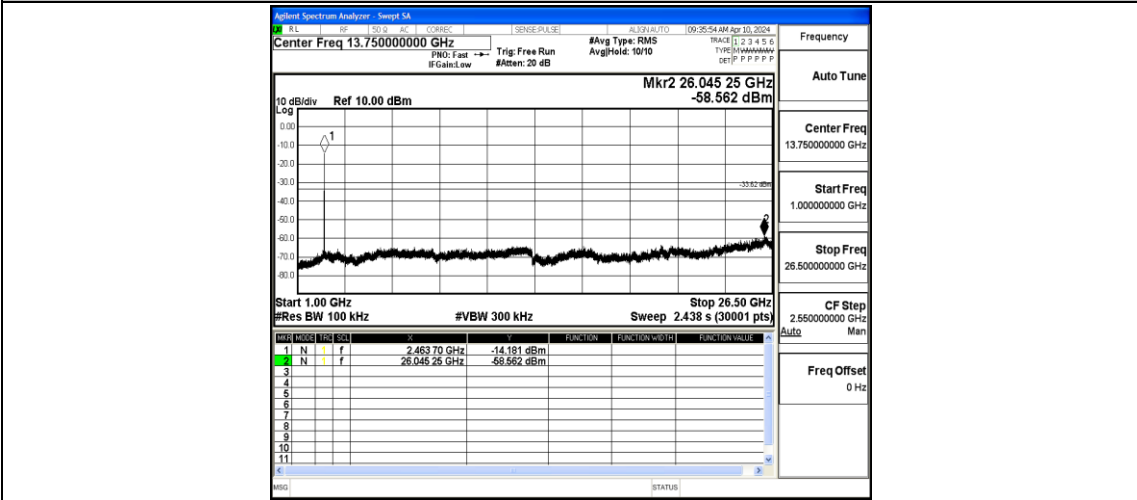
11B-Ant1-2437-30~1000-PASS



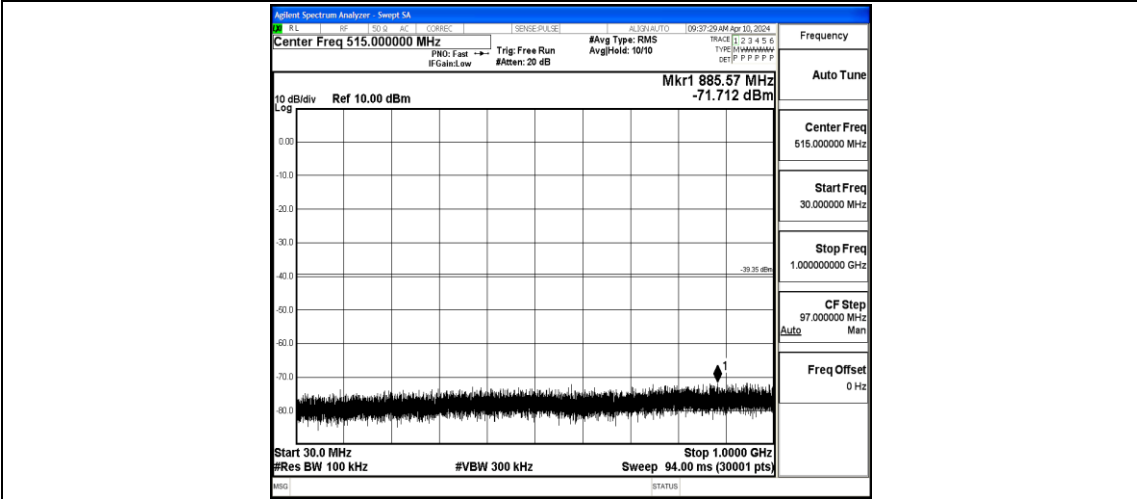
11B-Ant1-2437-1000~26500-PASS



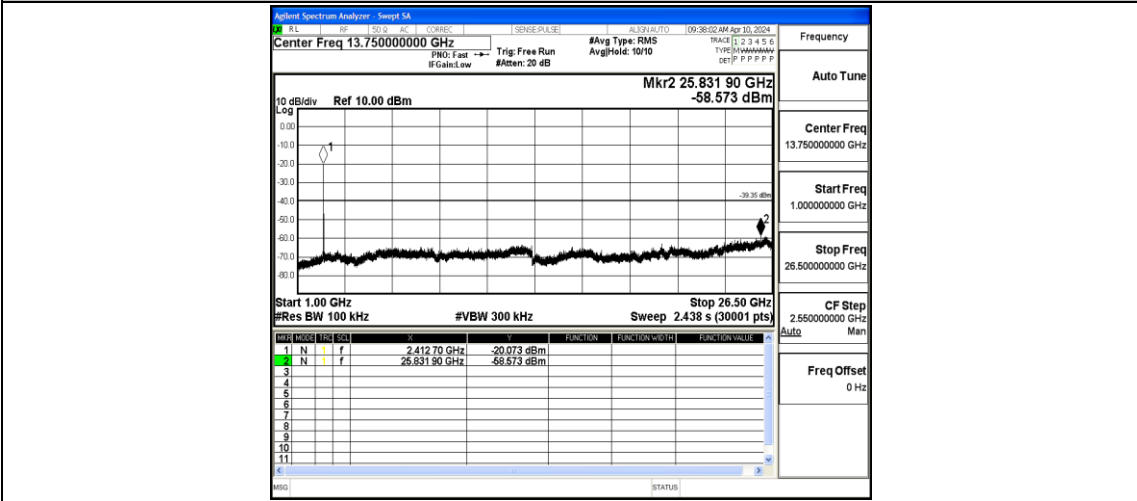
11B-Ant1-2462-30~1000-PASS



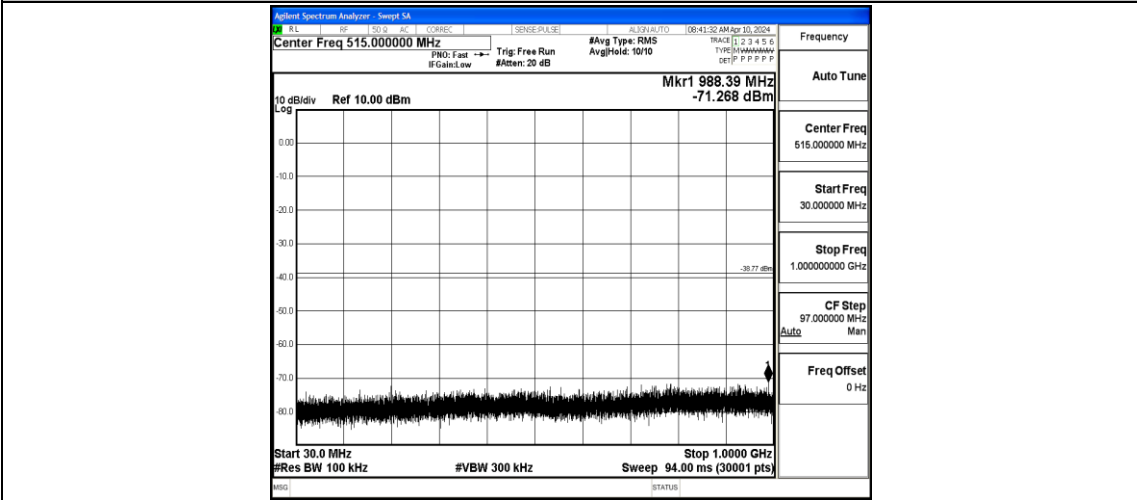
11B-Ant1-2462-1000~26500-PASS



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



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



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