

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

Product Name: Camera

Trade Mark: KinetCam

Test Model: CAM-A

FCC ID: 2BDAB-CAM

### Environmental Conditions

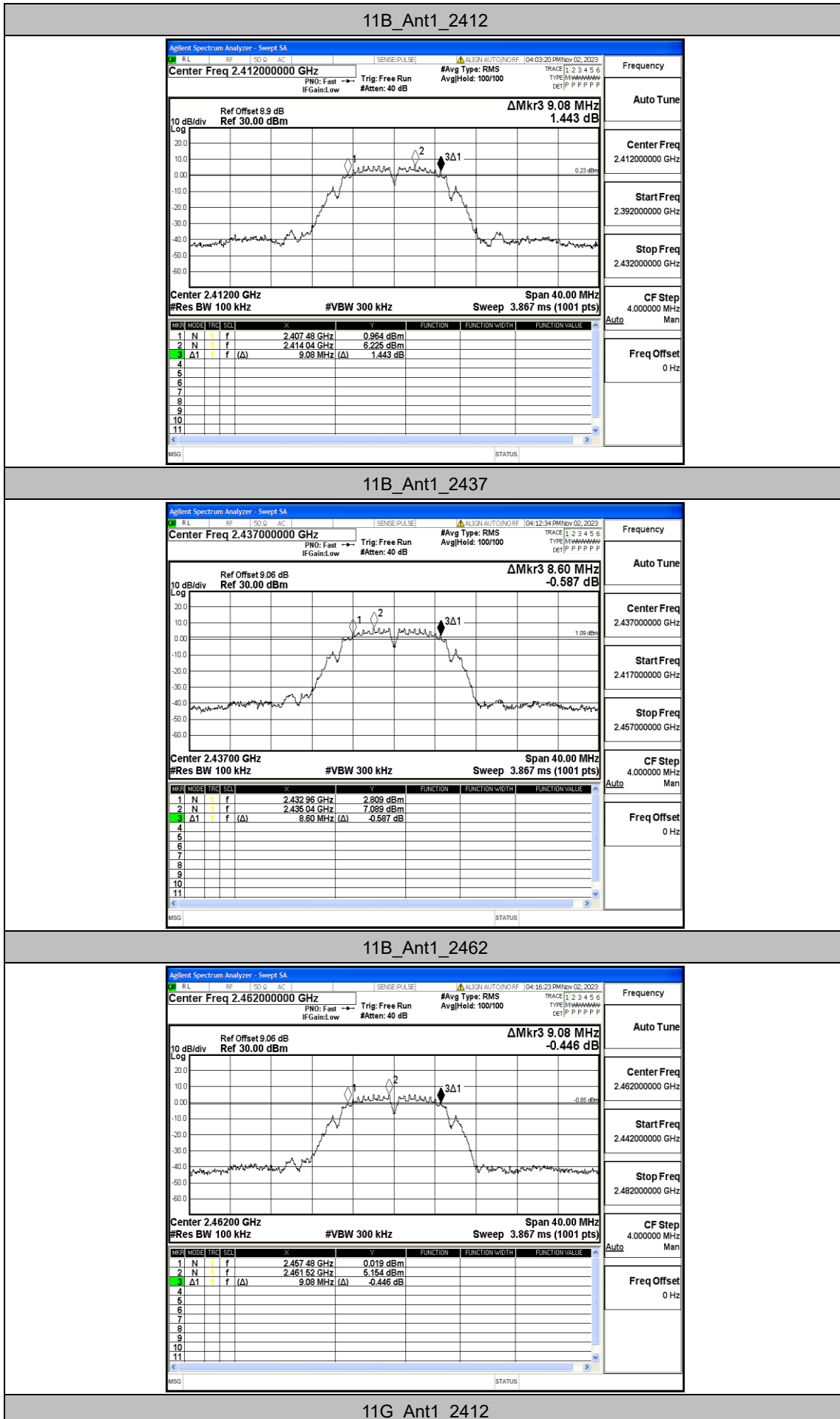
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

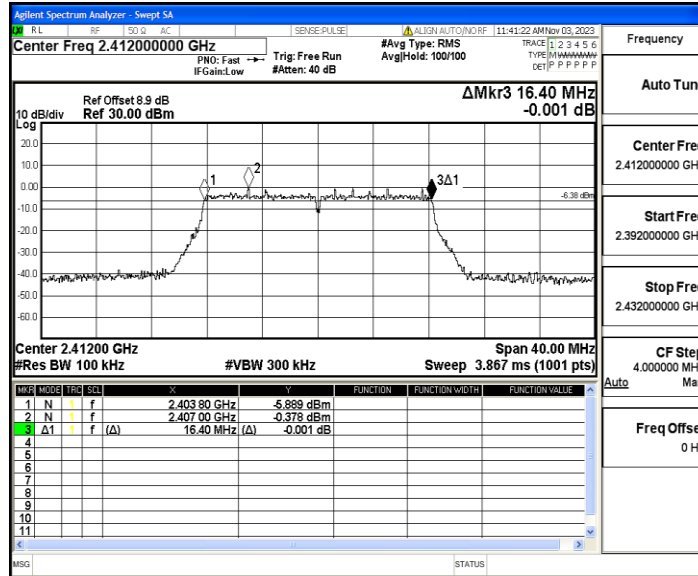
## Appendix A: DTS Bandwidth

### Test Result

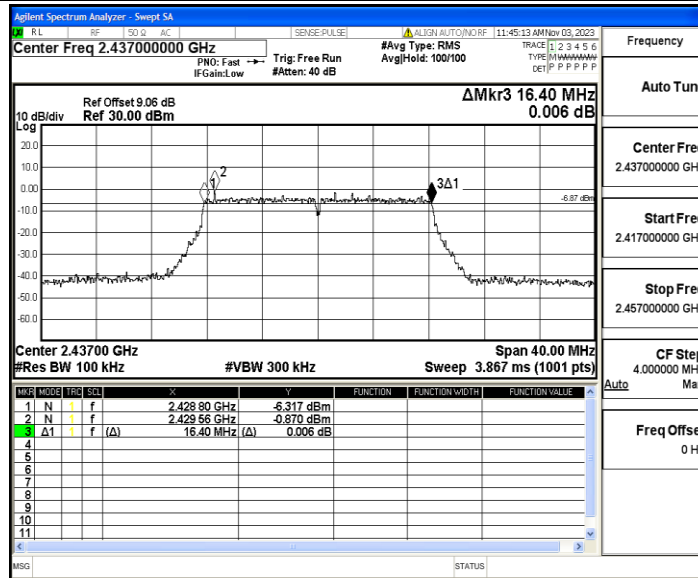
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.480	2416.560	0.5	PASS
		2437	8.600	2432.960	2441.560	0.5	PASS
		2462	9.080	2457.480	2466.560	0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.200	2420.840	0.5	PASS
		2437	17.680	2428.160	2445.840	0.5	PASS
		2462	15.840	2454.240	2470.080	0.5	PASS

Test Graphs

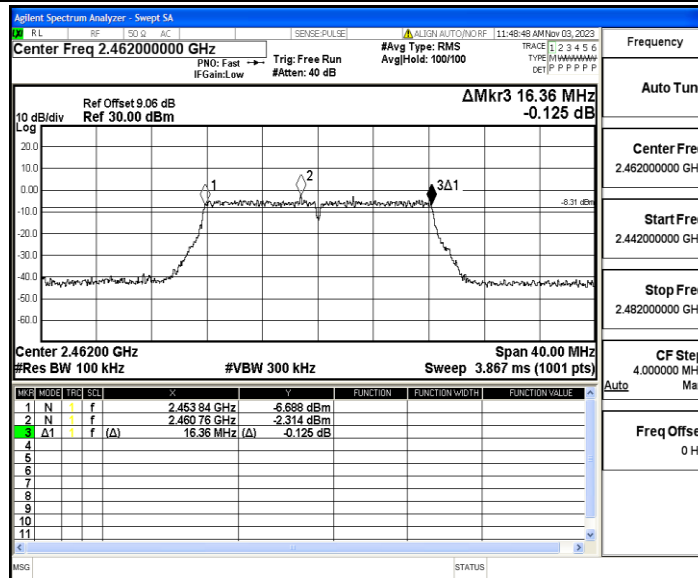




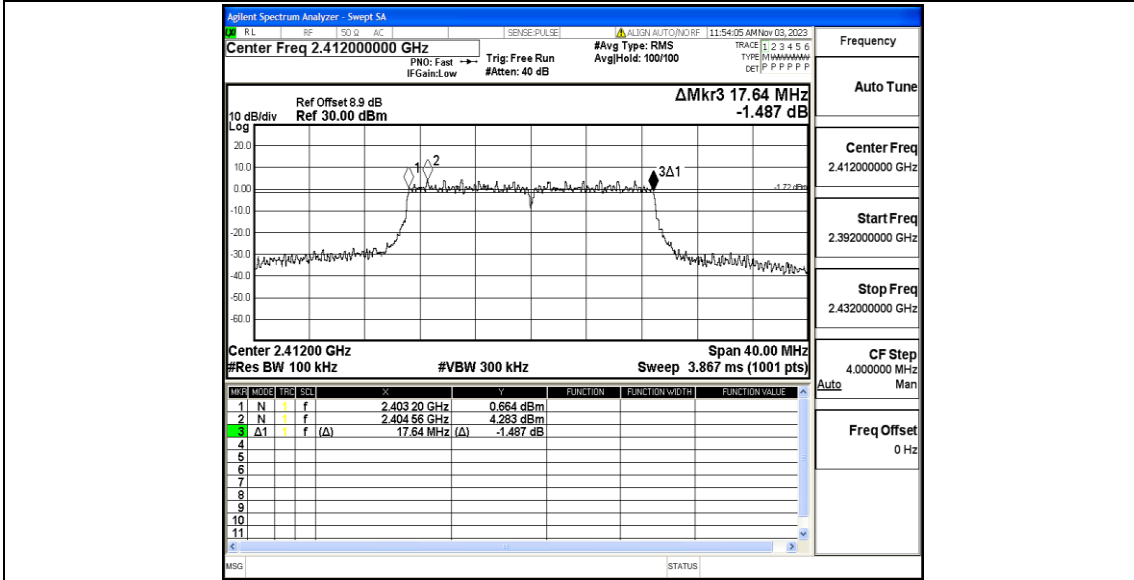
11G\_Ant1\_2437



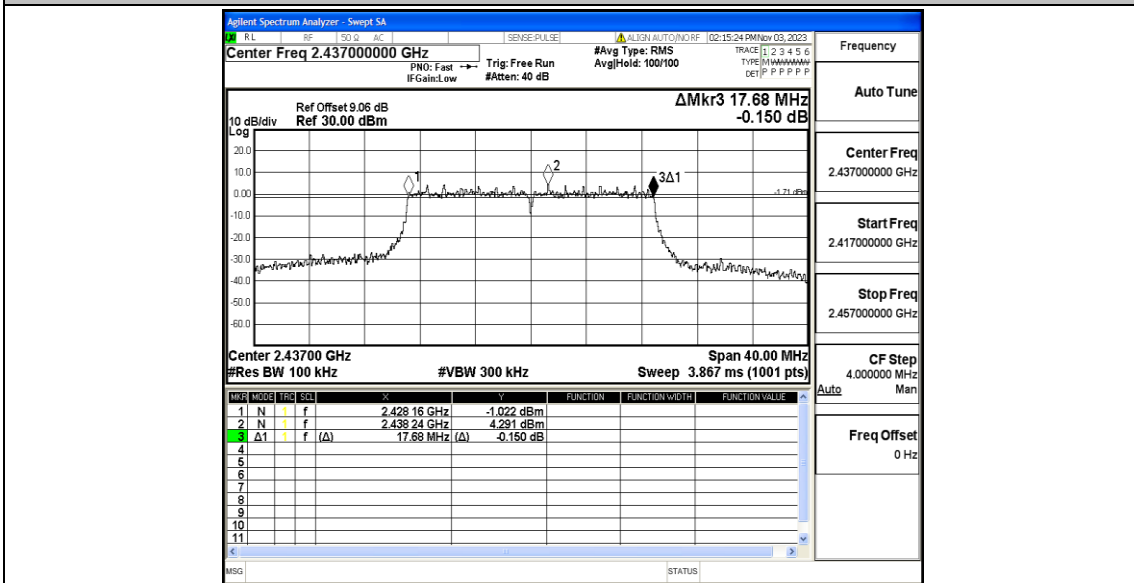
11G\_Ant1\_2462



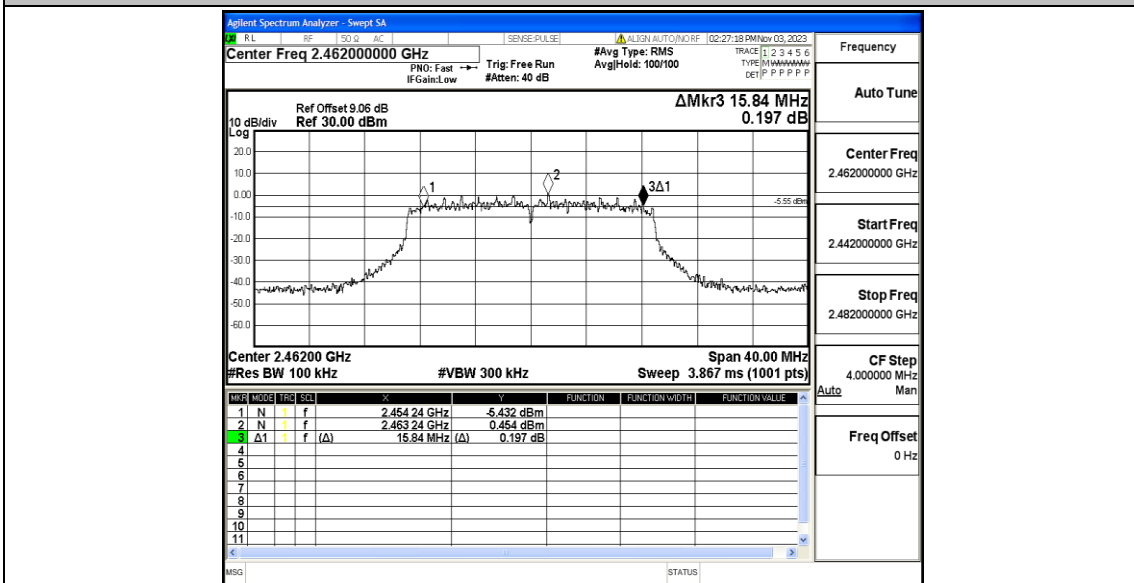
11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

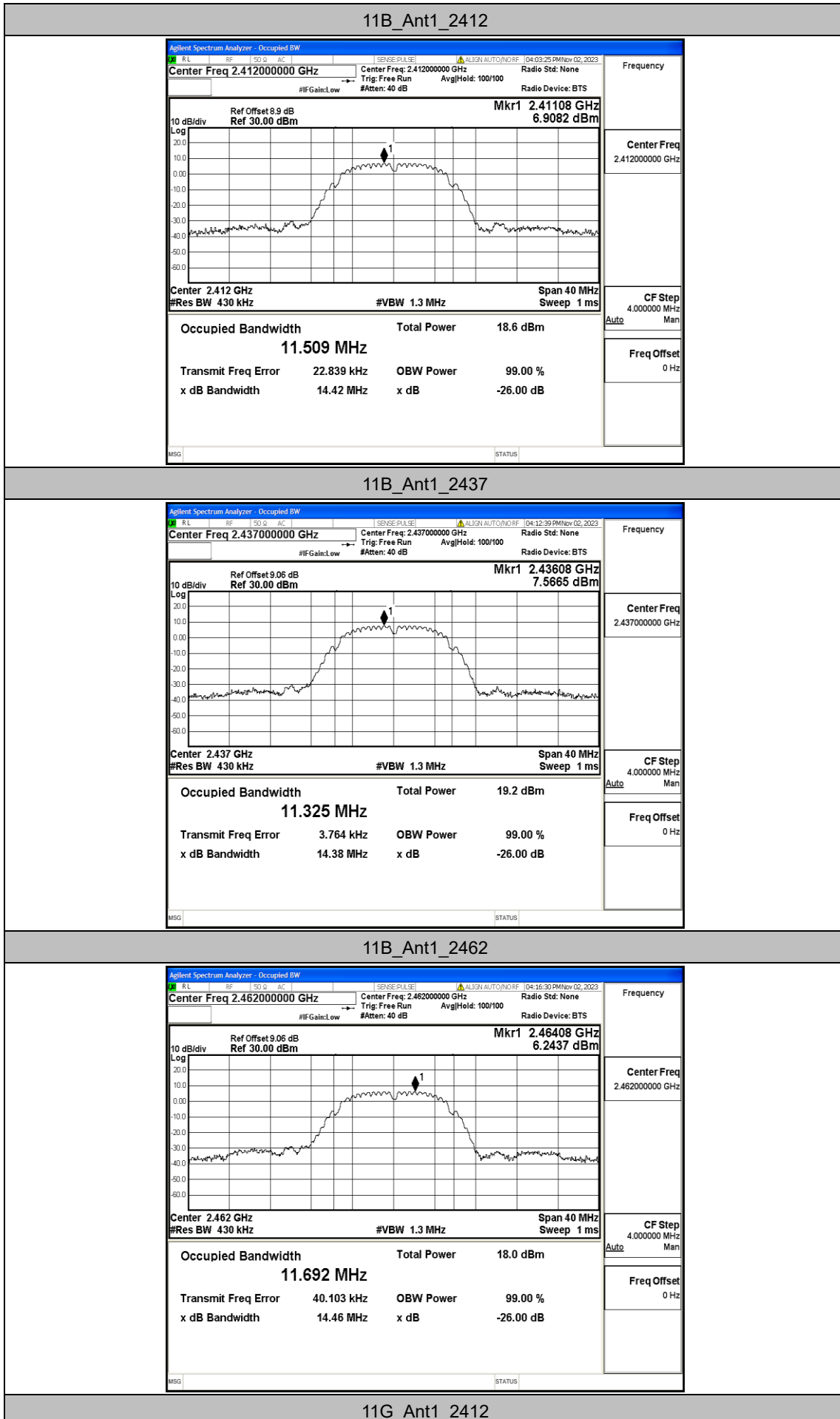


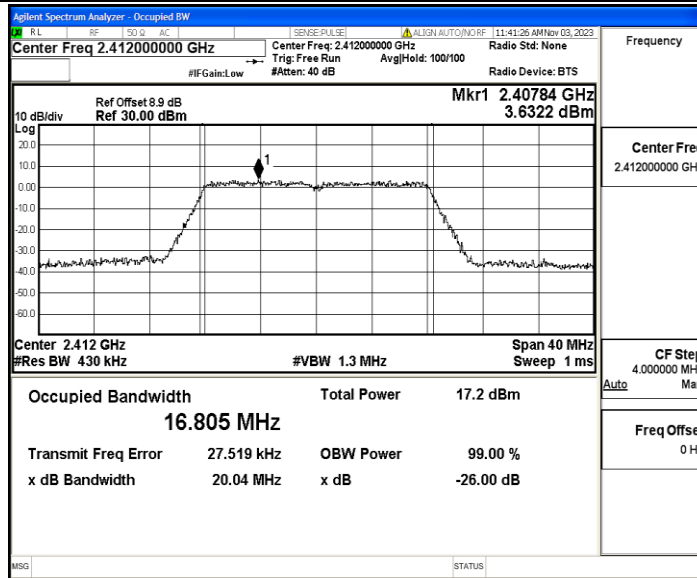
## Appendix B: Occupied Channel Bandwidth

### Test Result

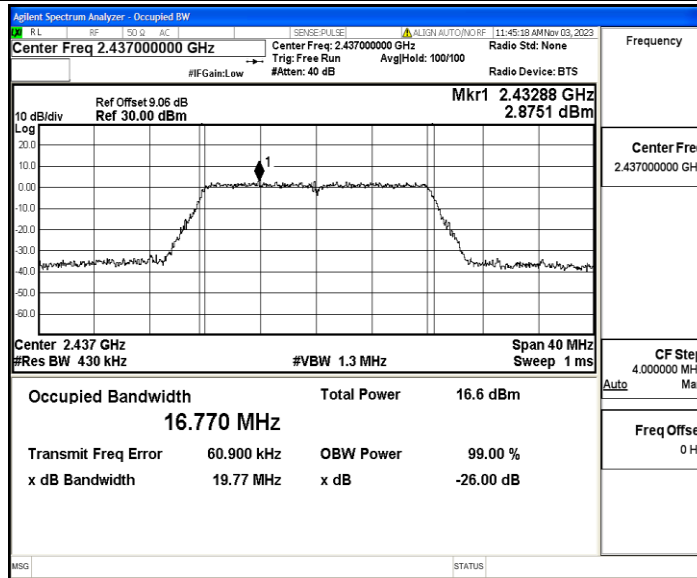
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.509	2406.2683	2417.7773	---	---
		2437	11.325	2431.3413	2442.6663	---	---
		2462	11.692	2456.1941	2467.8861	---	---
11G	Ant1	2412	16.805	2403.6250	2420.4300	---	---
		2437	16.770	2428.6759	2445.4459	---	---
		2462	16.802	2453.6186	2470.4206	---	---
11N20SISO	Ant1	2412	17.840	2403.1256	2420.9656	---	---
		2437	17.868	2428.0718	2445.9398	---	---
		2462	17.631	2453.2005	2470.8315	---	---

Test Graphs

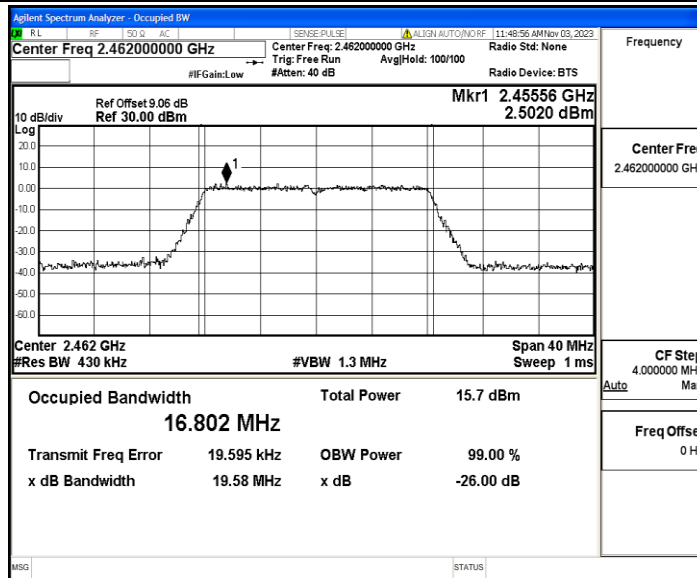




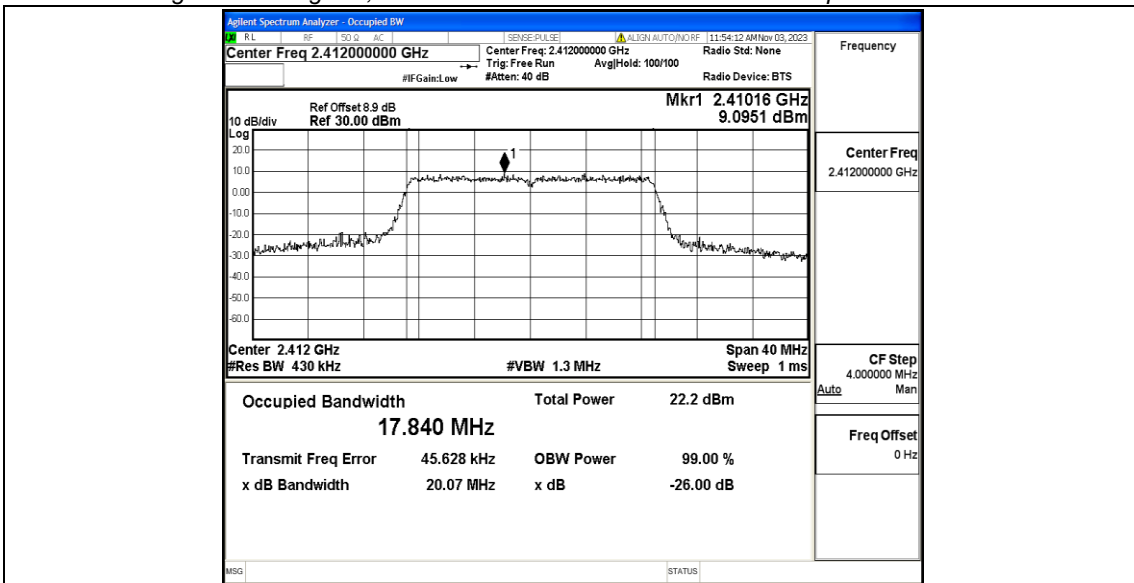
11G\_Ant1\_2437



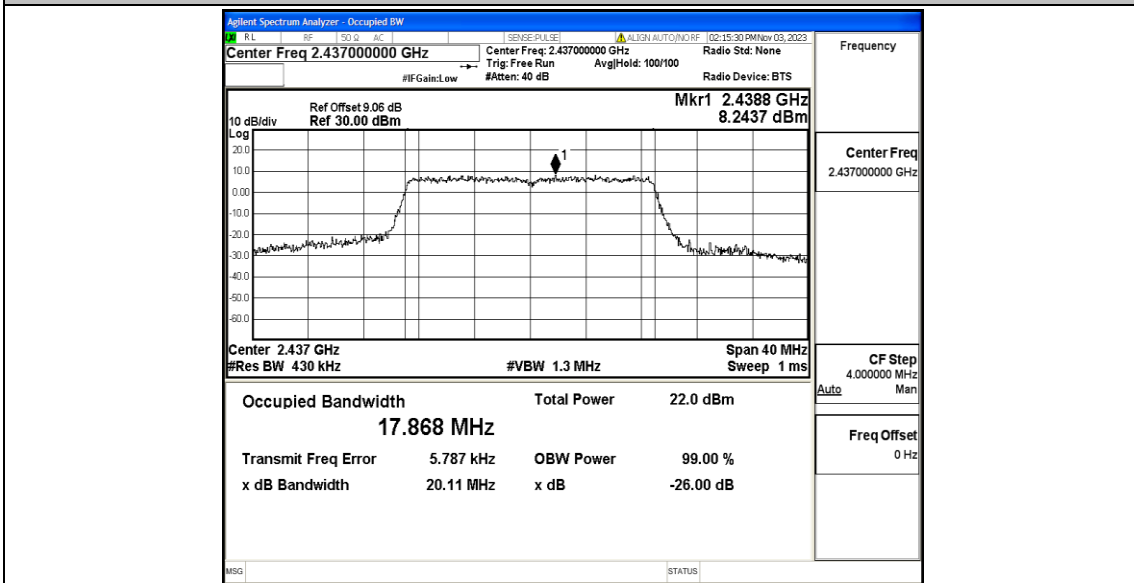
11G\_Ant1\_2462



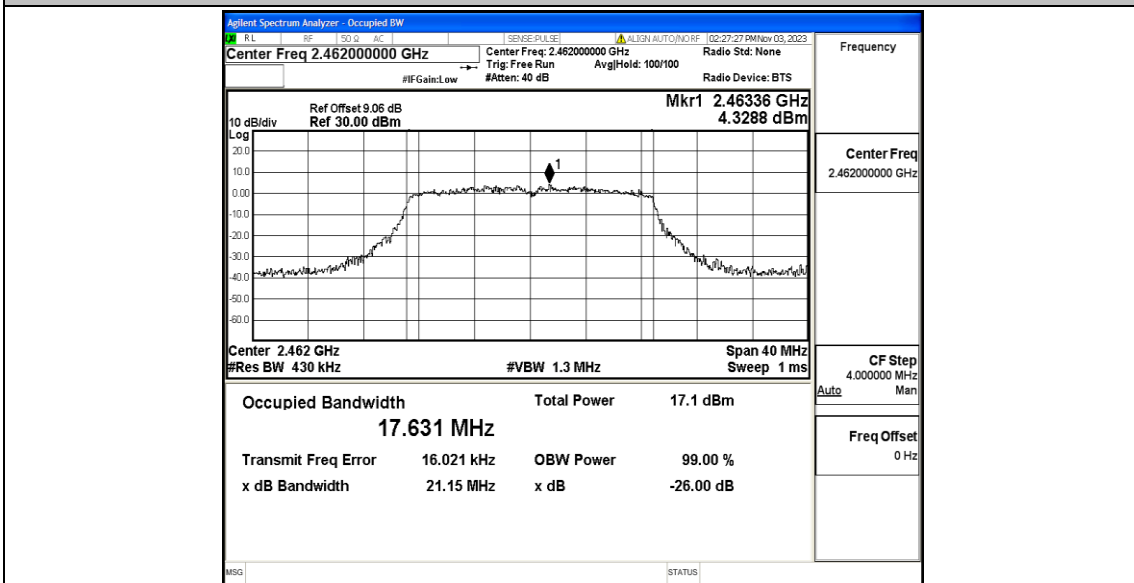
11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462





## Appendix C: Maximum conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.67	≤30.00	PASS
		2437	16.24	≤30.00	PASS
		2462	14.98	≤30.00	PASS
11G	Ant1	2412	11.24	≤30.00	PASS
		2437	10.60	≤30.00	PASS
		2462	9.64	≤30.00	PASS
11N20SISO	Ant1	2412	9.06	≤30.00	PASS
		2437	9.03	≤30.00	PASS
		2462	10.96	≤30.00	PASS

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

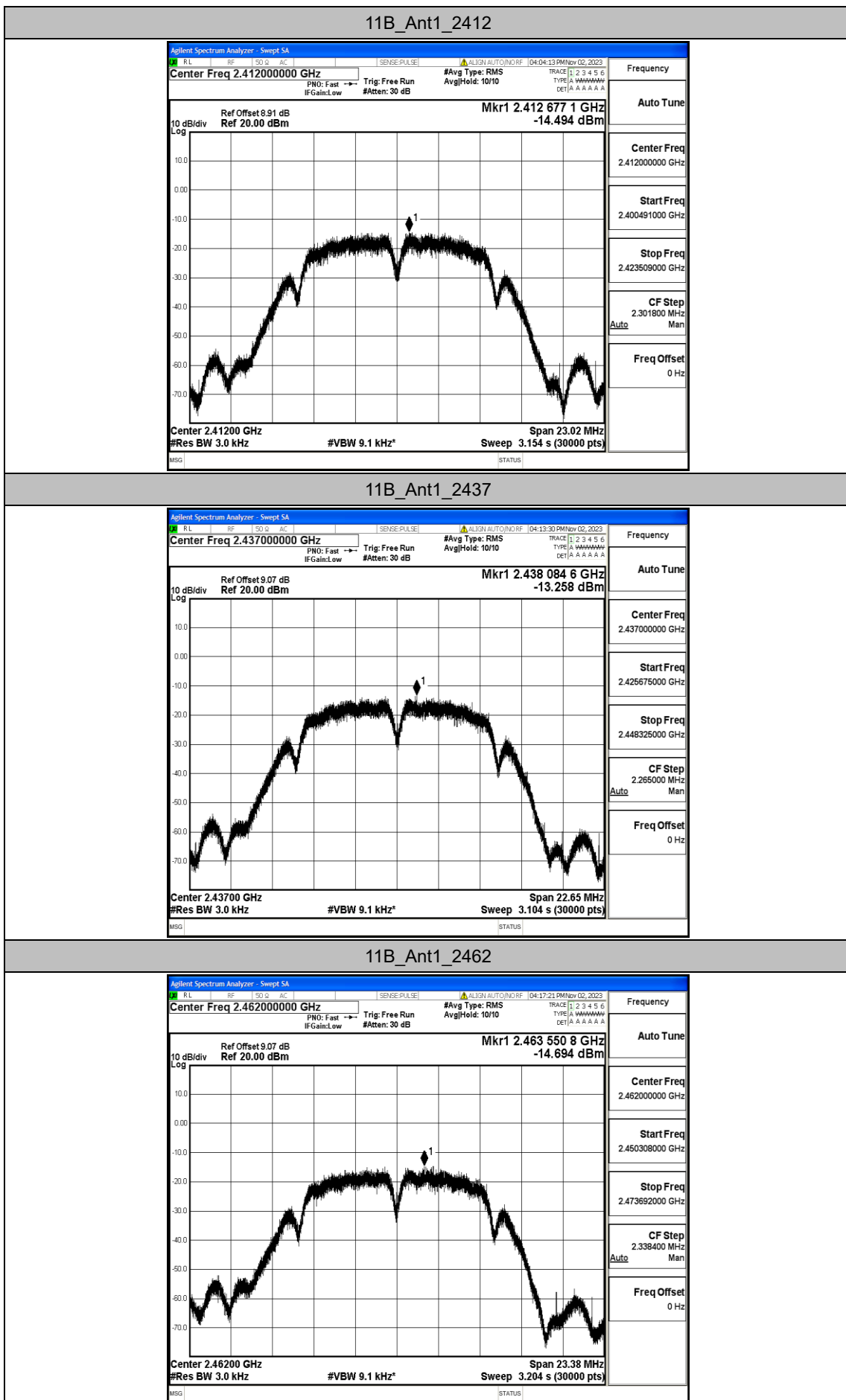
## Appendix D: Maximum power spectral density

### Test Result

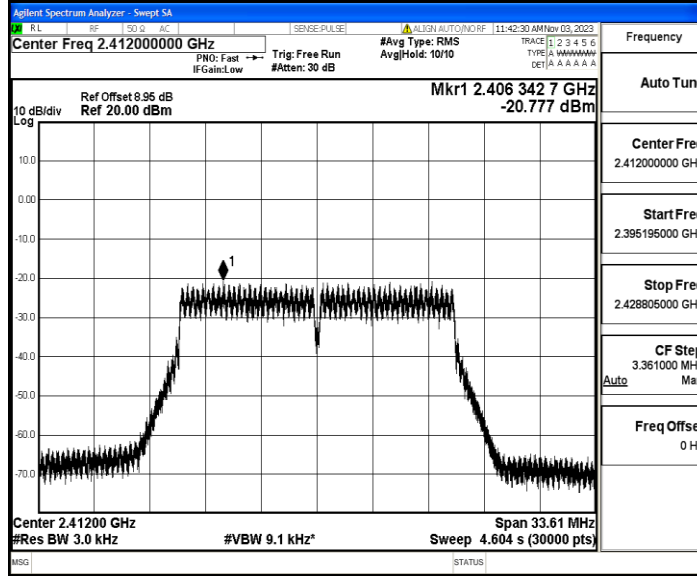
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.49	≤8.00	PASS
		2437	-13.26	≤8.00	PASS
		2462	-14.69	≤8.00	PASS
11G	Ant1	2412	-20.78	≤8.00	PASS
		2437	-21.85	≤8.00	PASS
		2462	-22.52	≤8.00	PASS
11N20SISO	Ant1	2412	-21.13	≤8.00	PASS
		2437	-18.57	≤8.00	PASS
		2462	-18.27	≤8.00	PASS

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

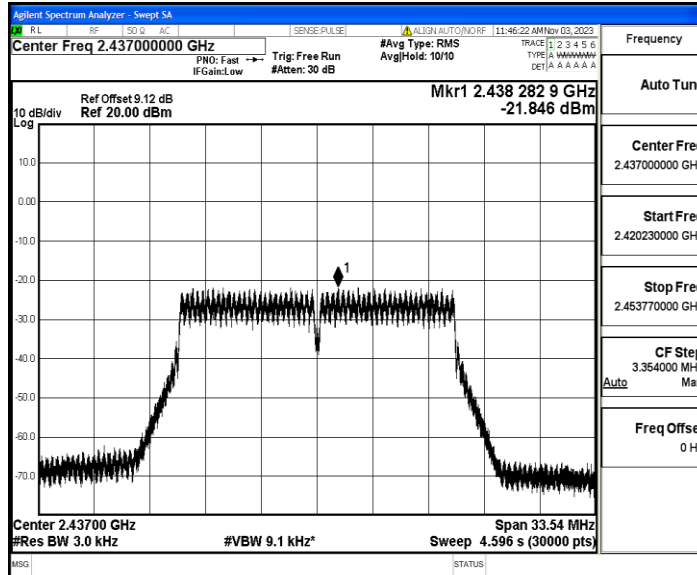
### Test Graphs



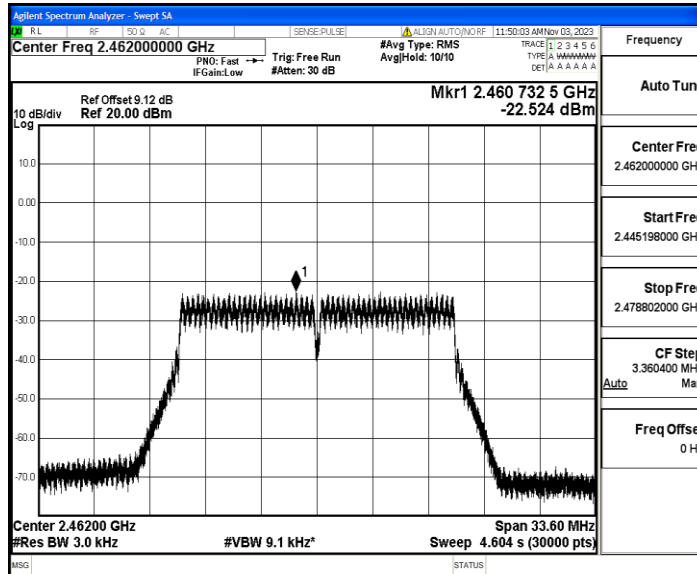
11G\_Ant1\_2412



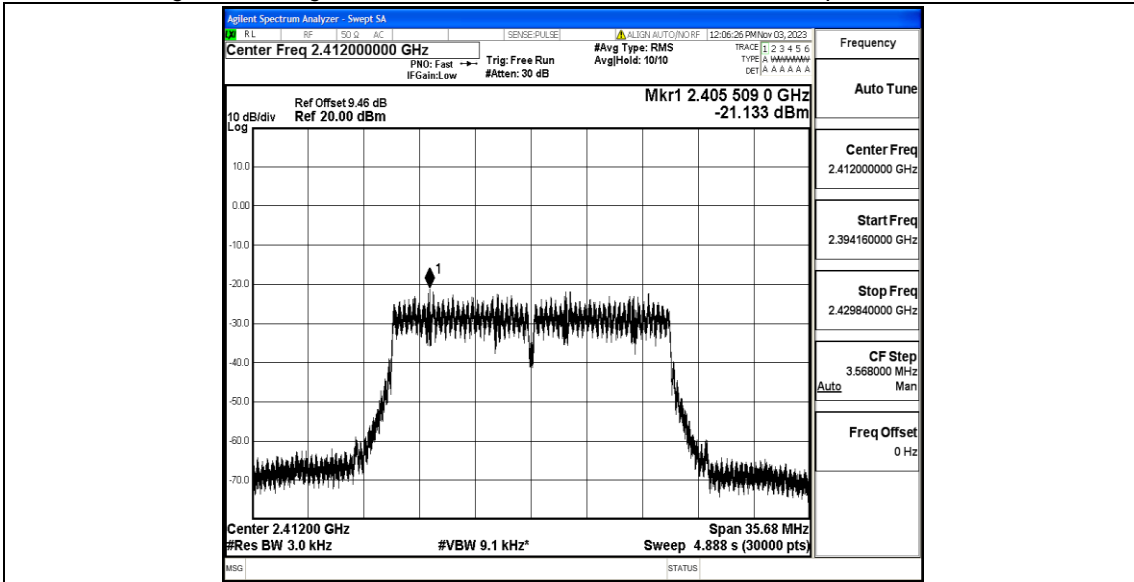
11G\_Ant1\_2437



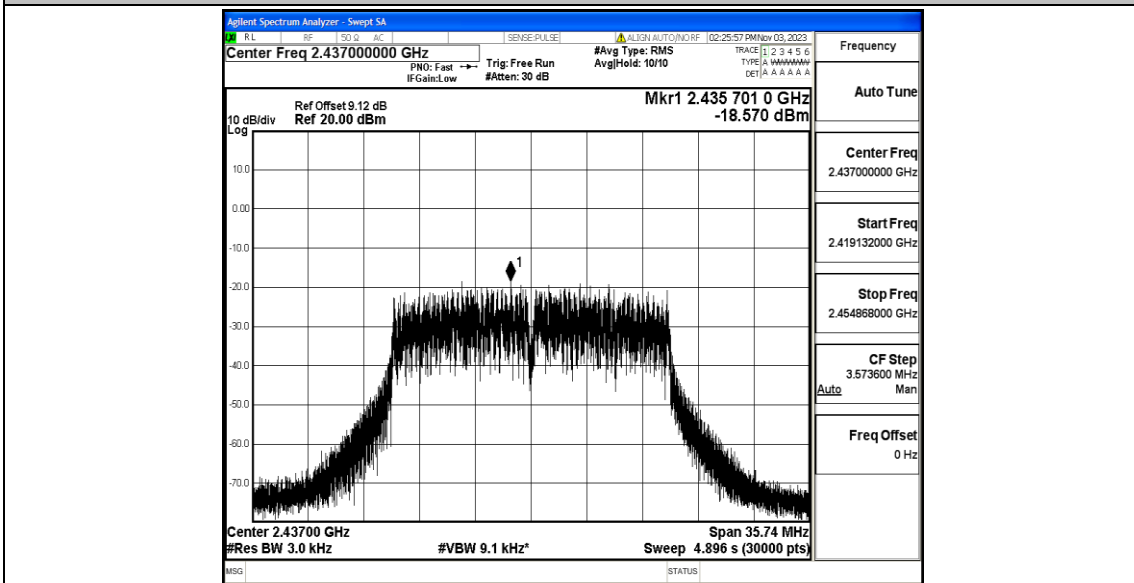
11G\_Ant1\_2462



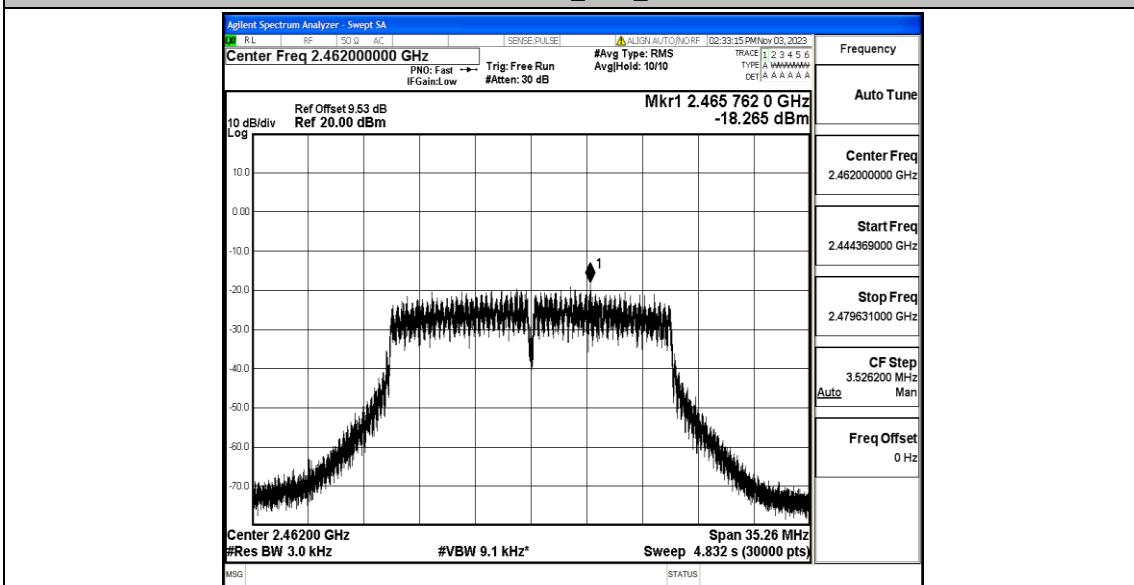
11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



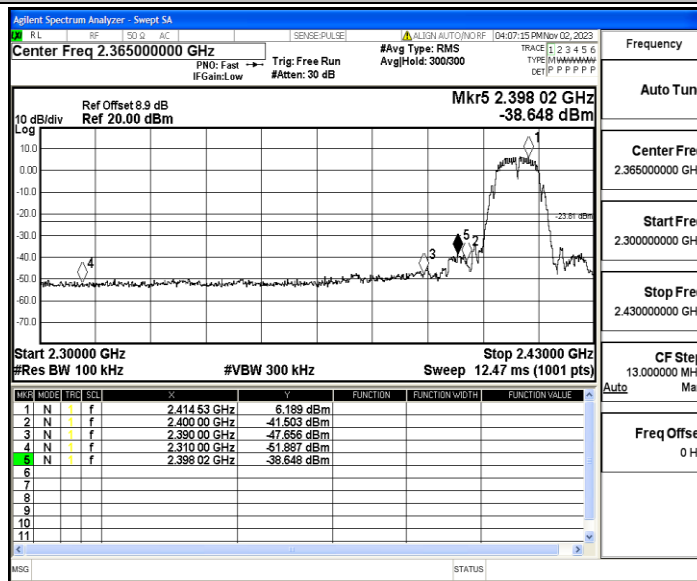
## Appendix E: Band edge measurements

### Test Result

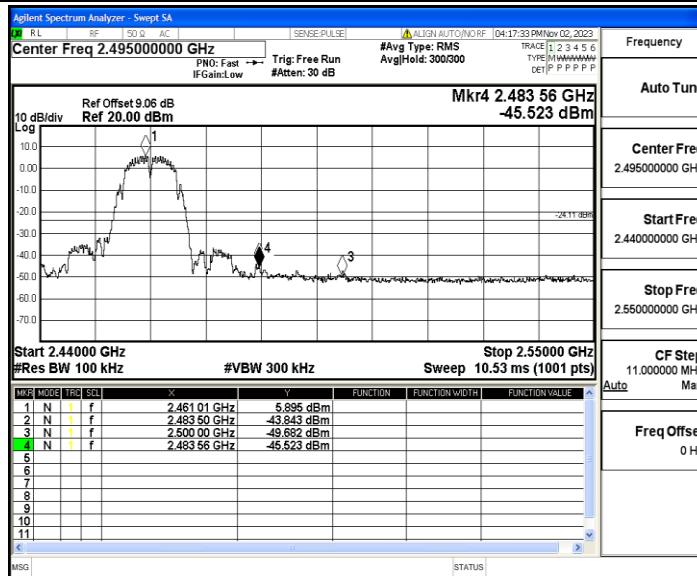
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.19	-38.65	≤-23.81	PASS
		High	2462	5.90	-45.52	≤-24.11	PASS
11G	Ant1	Low	2412	-0.03	-39.68	≤-30.03	PASS
		High	2462	-2.17	-48.61	≤-32.17	PASS
11N20SISO	Ant1	Low	2412	-2.06	-40.69	≤-32.06	PASS
		High	2462	0.56	-48.8	≤-29.44	PASS

Test Graphs

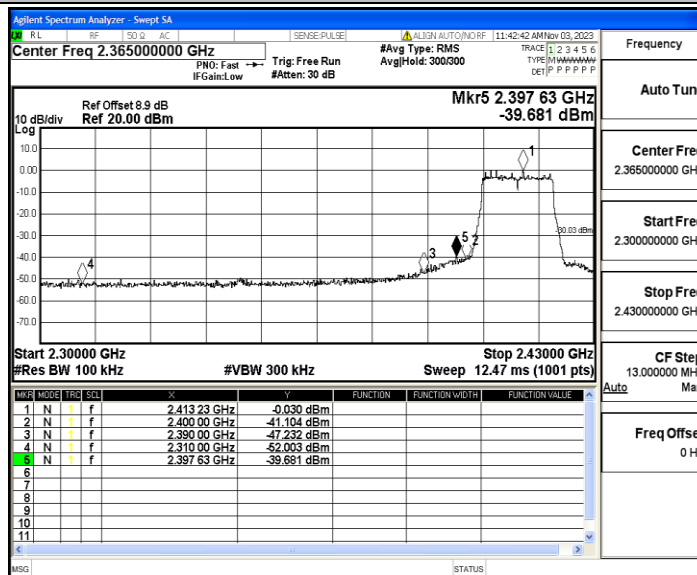
11B\_Ant1\_Low\_2412



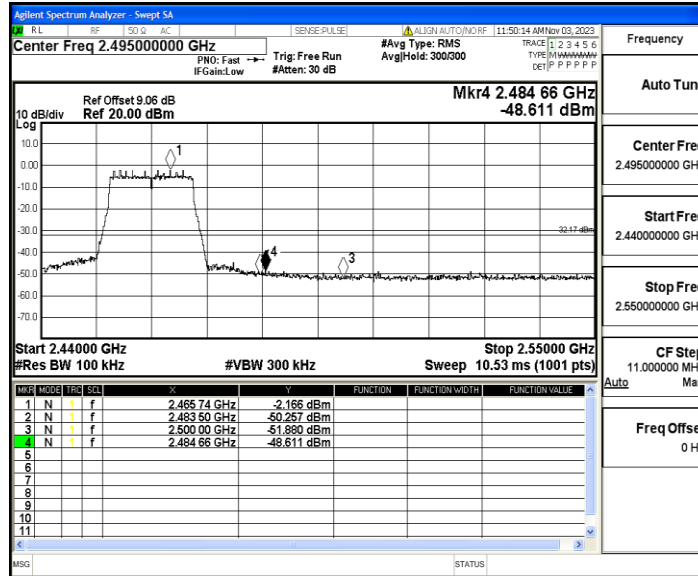
11B\_Ant1\_High\_2462



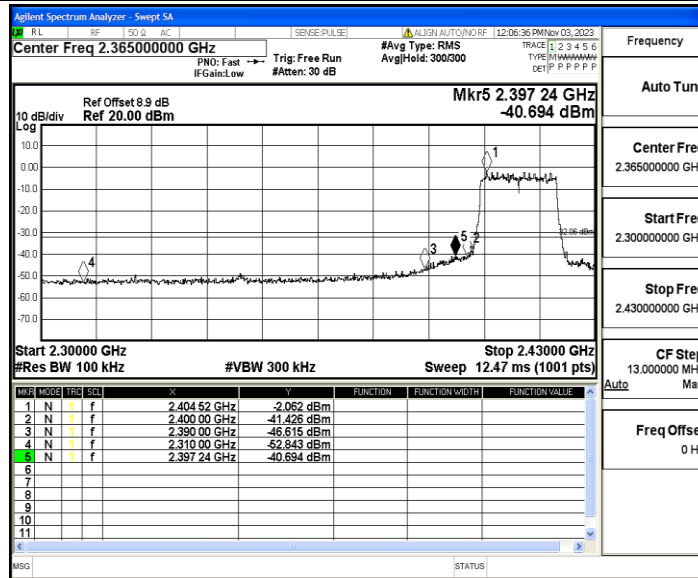
11G\_Ant1\_Low\_2412



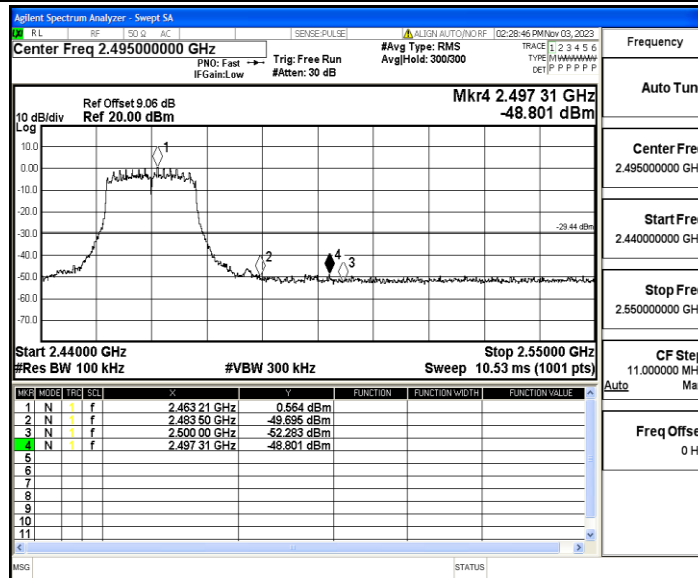
11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



11N20SISO\_Ant1\_High\_2462



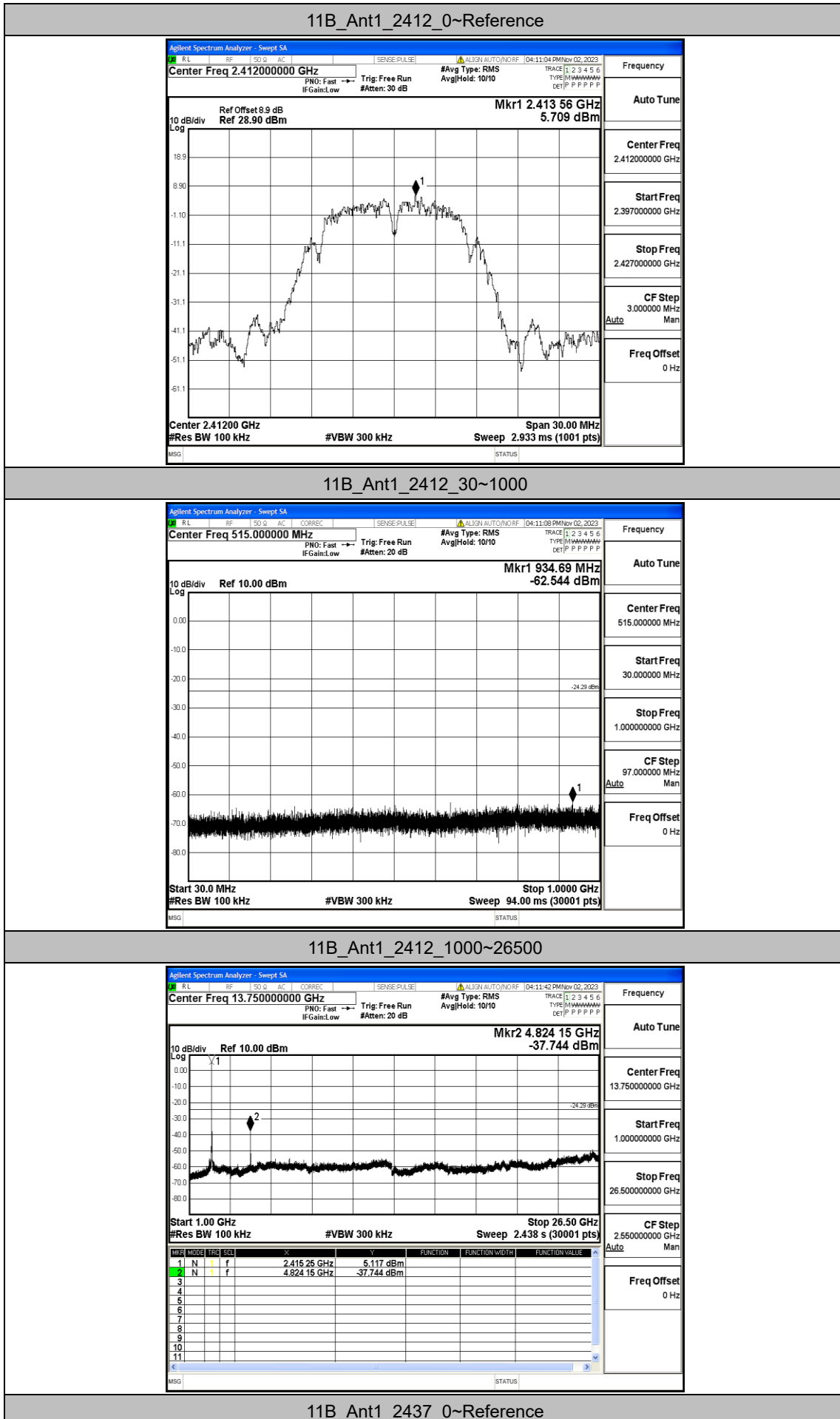


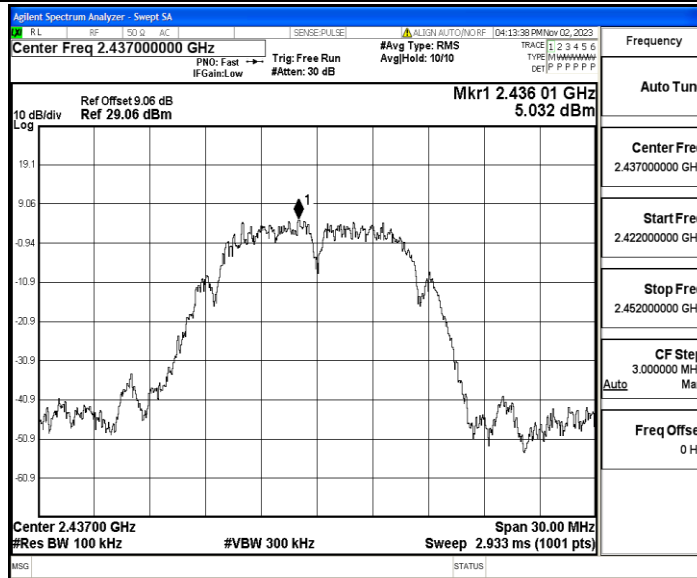
## Appendix F: Conducted Spurious Emission

### Test Result

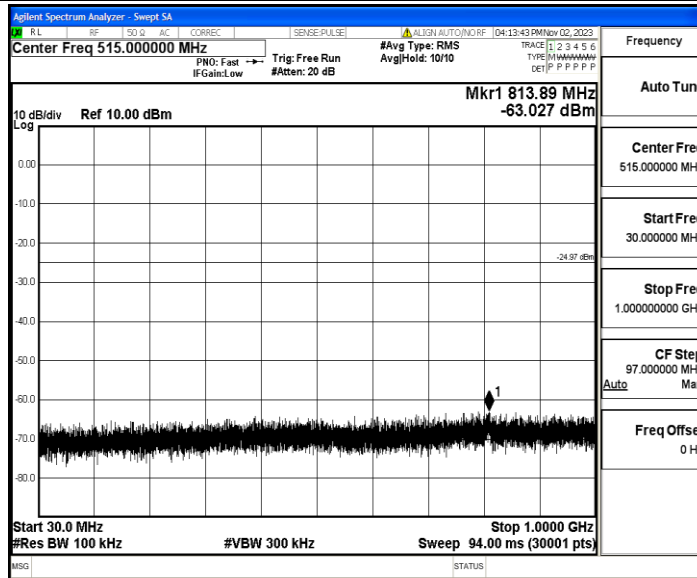
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.71	5.71	---	PASS
			30~1000	5.71	-62.54	≤-24.29	PASS
			1000~26500	5.71	-37.74	≤-24.29	PASS
		2437	Reference	5.03	5.03	---	PASS
			30~1000	5.03	-63.03	≤-24.97	PASS
			1000~26500	5.03	-39.09	≤-24.97	PASS
		2462	Reference	4.59	4.59	---	PASS
			30~1000	4.59	-60.87	≤-25.41	PASS
			1000~26500	4.59	-39.31	≤-25.41	PASS
11G	Ant1	2412	Reference	-3.05	-3.05	---	PASS
			30~1000	-3.05	-62.45	≤-33.05	PASS
			1000~26500	-3.05	-50.38	≤-33.05	PASS
		2437	Reference	-3.91	-3.91	---	PASS
			30~1000	-3.91	-62.27	≤-33.91	PASS
			1000~26500	-3.91	-50.05	≤-33.91	PASS
		2462	Reference	-4.17	-4.17	---	PASS
			30~1000	-4.17	-62.62	≤-34.17	PASS
			1000~26500	-4.17	-50.43	≤-34.17	PASS
11N20SISO	Ant1	2412	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-62.8	≤-32.11	PASS
			1000~26500	-2.11	-50.06	≤-32.11	PASS
		2437	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-63.03	≤-30.49	PASS
			1000~26500	-0.49	-49.95	≤-30.49	PASS
		2462	Reference	0.63	0.63	---	PASS
			30~1000	0.63	-61.53	≤-29.37	PASS
			1000~26500	0.63	-50.67	≤-29.37	PASS

Test Graphs

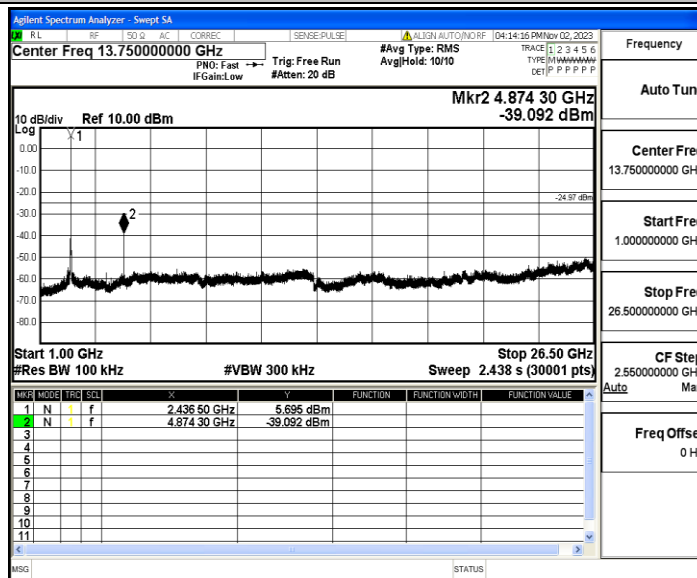




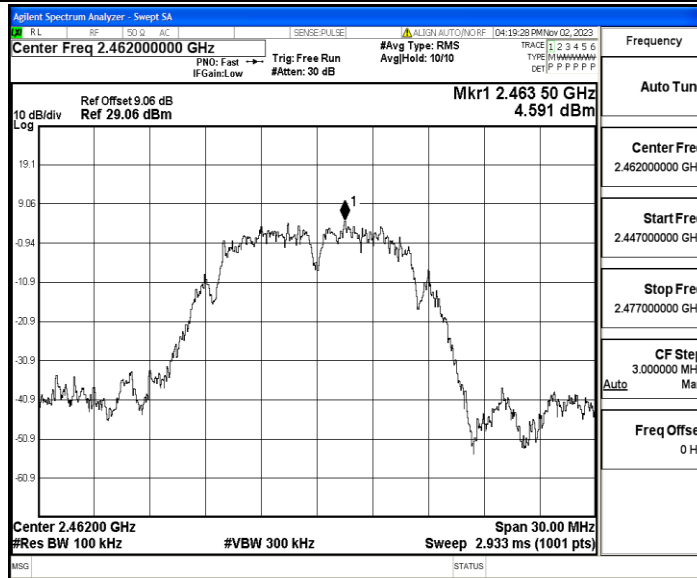
11B\_Ant1\_2437\_30~1000



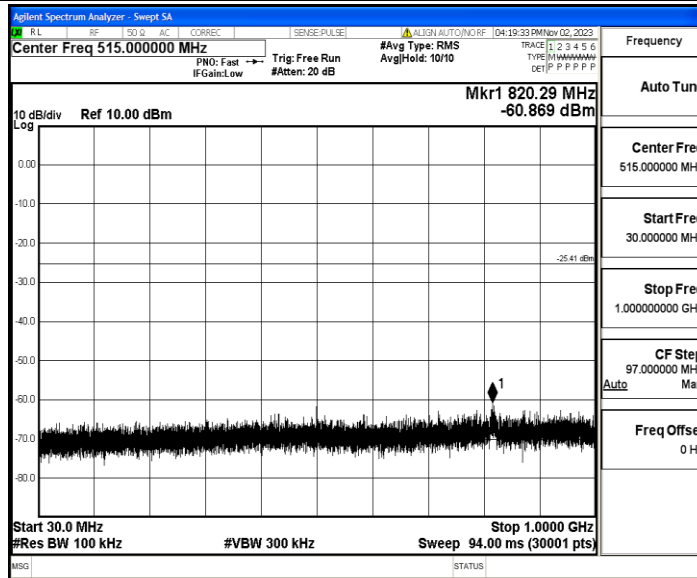
11B\_Ant1\_2437\_1000~26500



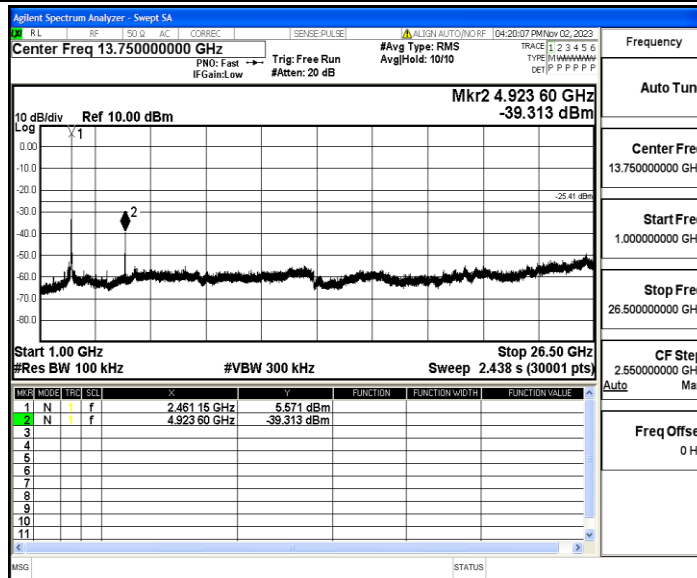
11B\_Ant1\_2462\_0~Reference



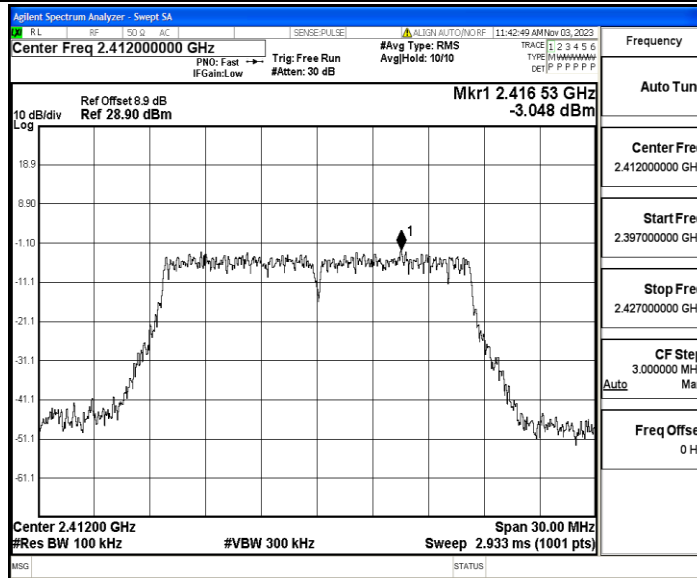
11B\_Ant1\_2462\_30~1000



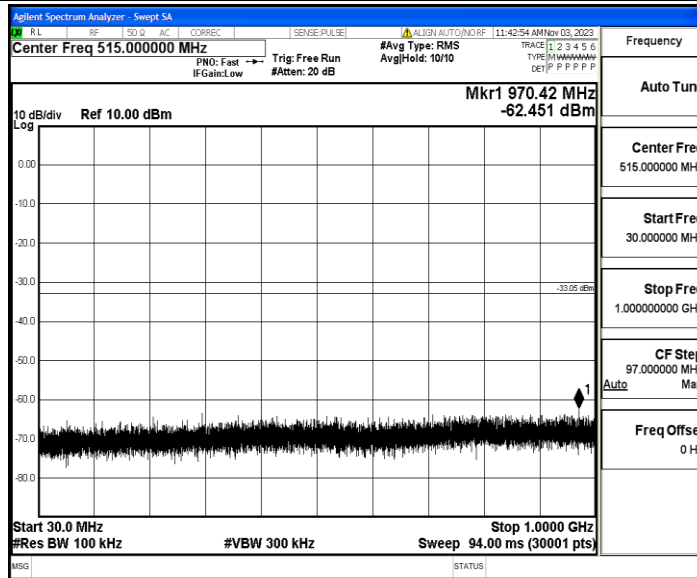
11B\_Ant1\_2462\_1000~26500



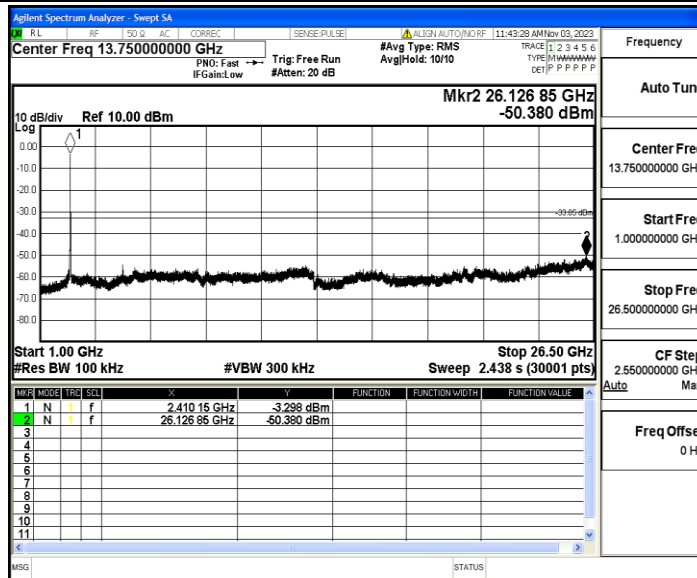
11G\_Ant1\_2412\_0~Reference



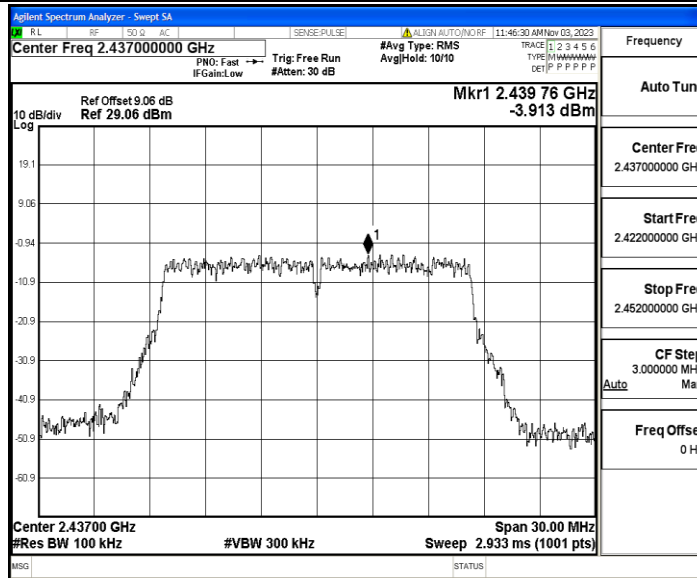
11G\_Ant1\_2412\_30~1000



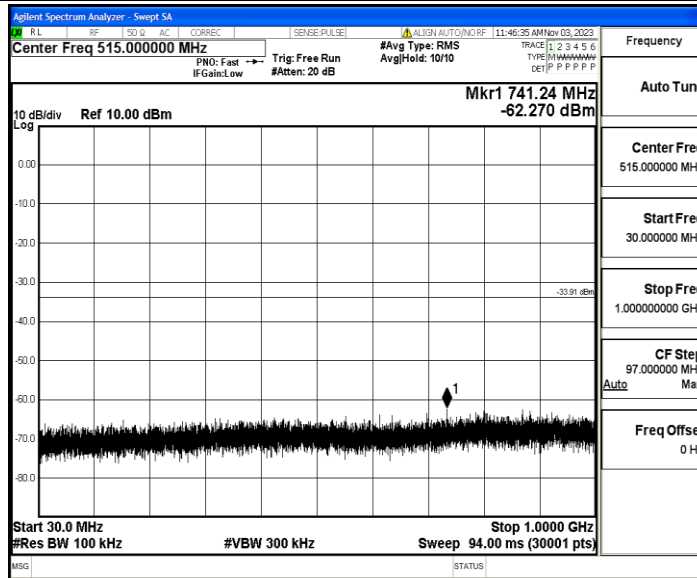
11G\_Ant1\_2412\_1000~26500



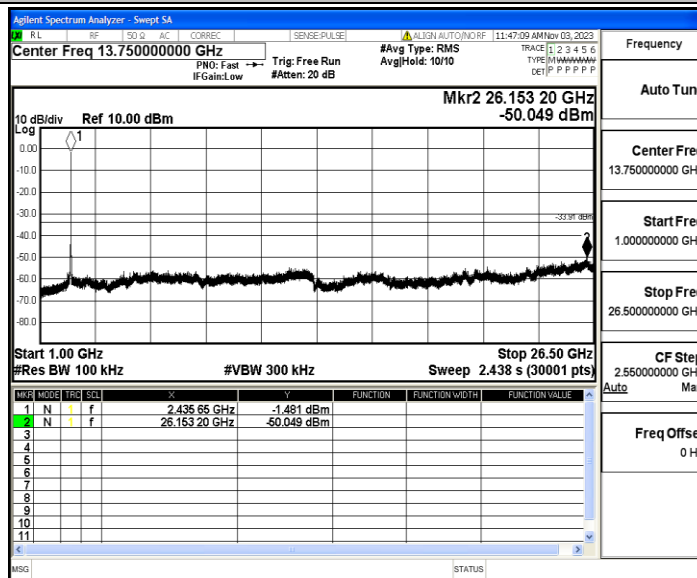
11G\_Ant1\_2437\_0~Reference



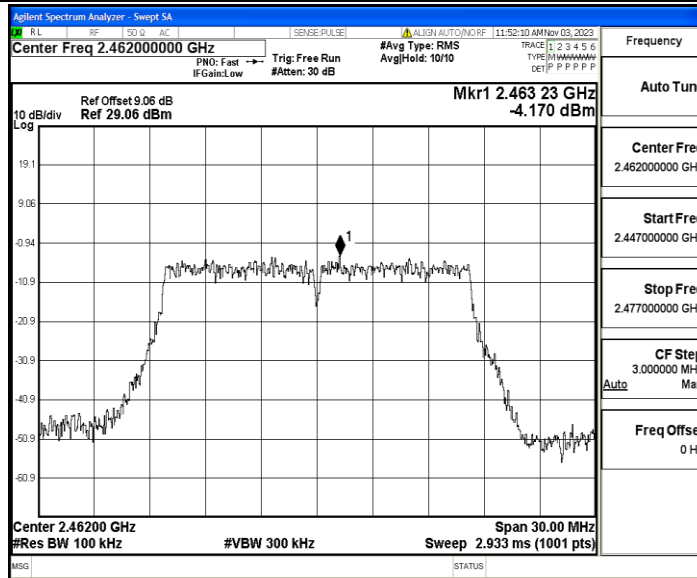
11G\_Ant1\_2437\_30~1000



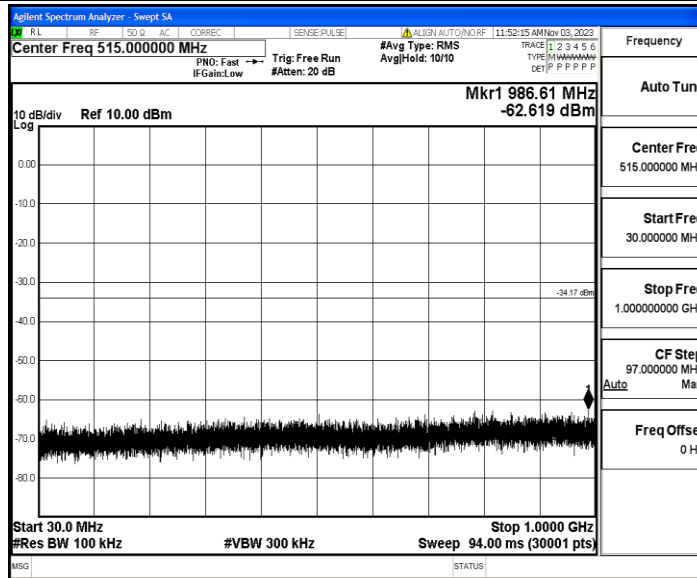
11G\_Ant1\_2437\_1000~26500



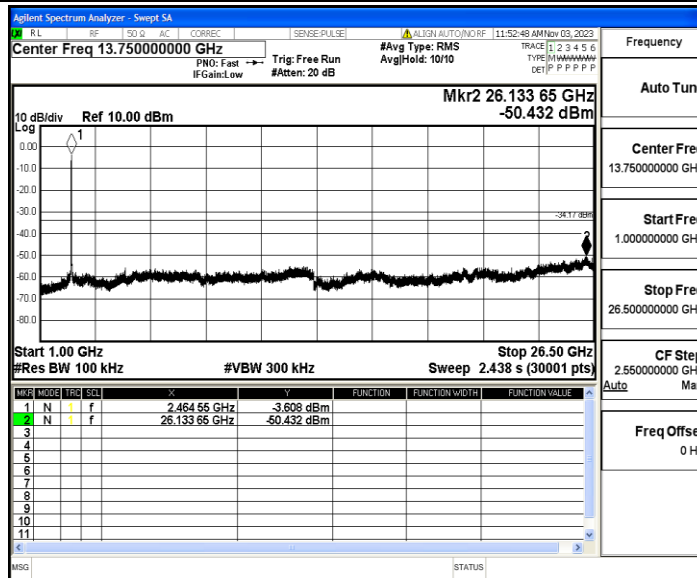
11G\_Ant1\_2462\_0~Reference



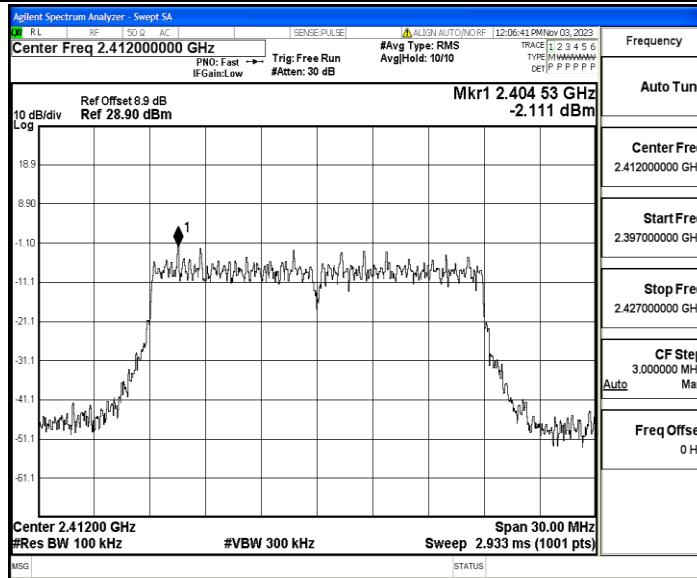
11G\_Ant1\_2462\_30~1000



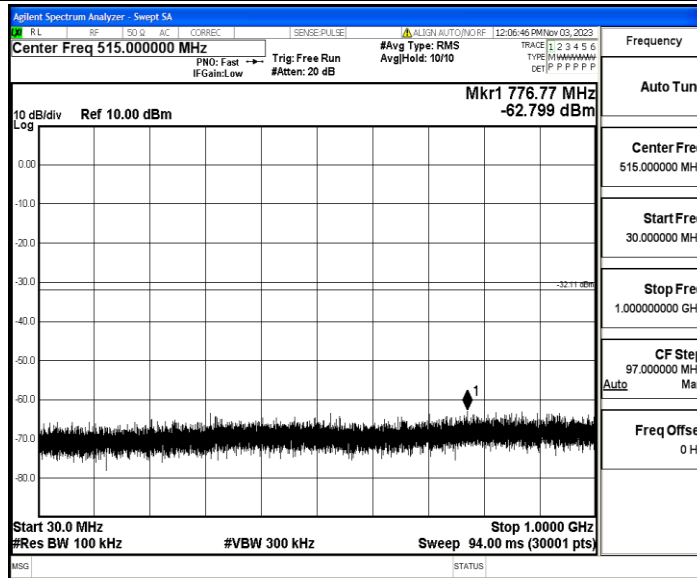
11G\_Ant1\_2462\_1000~26500



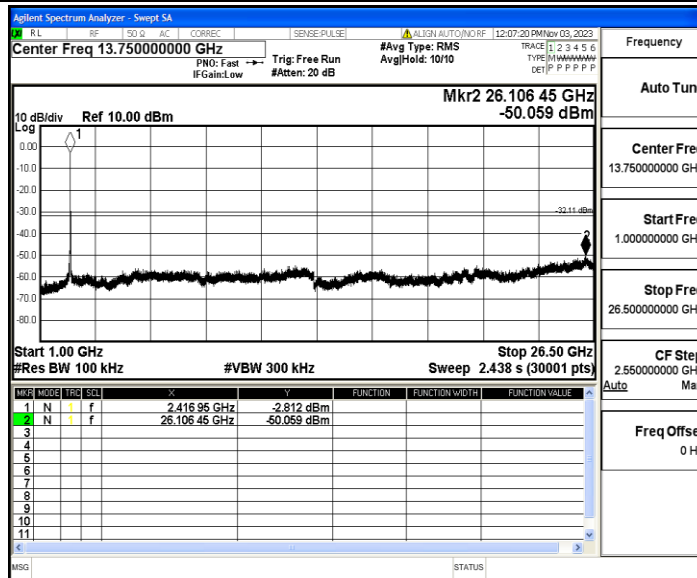
11N20SISO\_Ant1\_2412\_0~Reference



11N20SISO\_Ant1\_2412\_30~1000

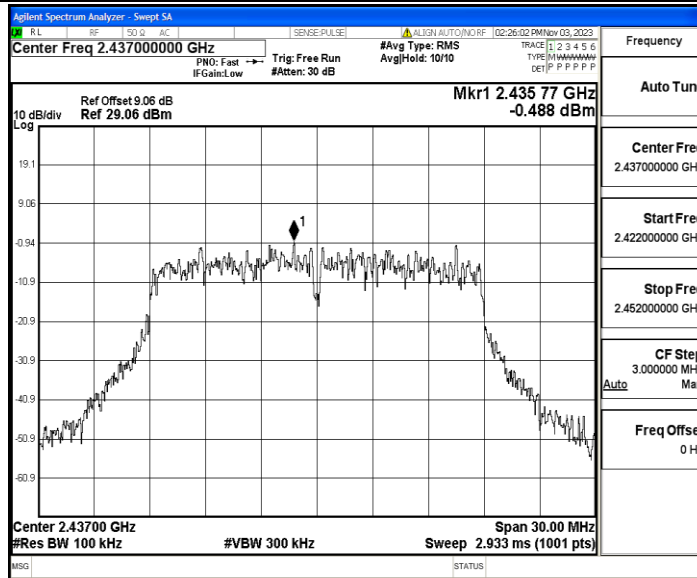


11N20SISO\_Ant1\_2412\_1000~26500

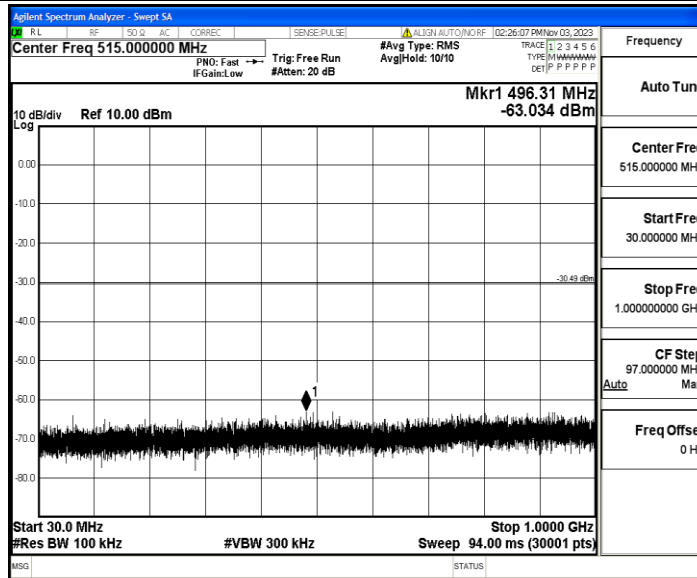


11N20SISO\_Ant1\_2437\_0~Reference

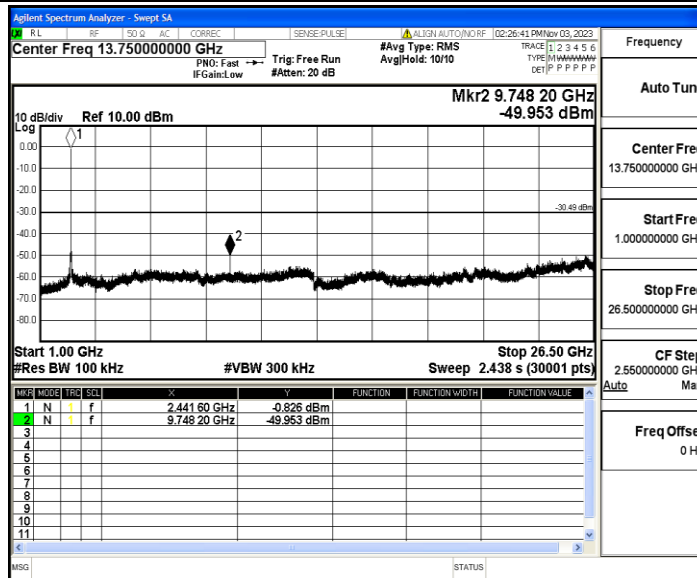




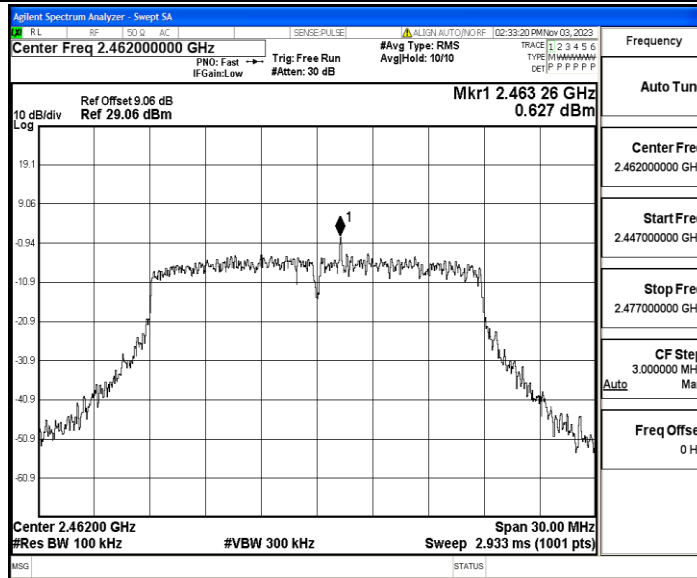
11N20SISO\_Ant1\_2437\_30~1000



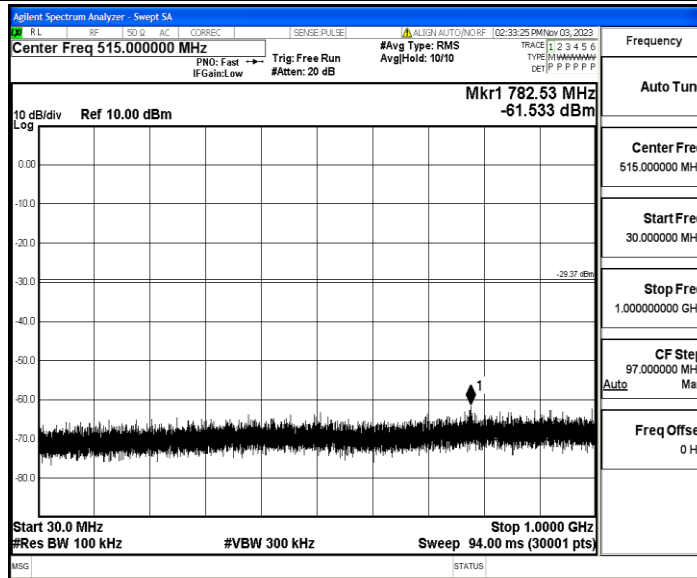
11N20SISO\_Ant1\_2437\_1000~26500



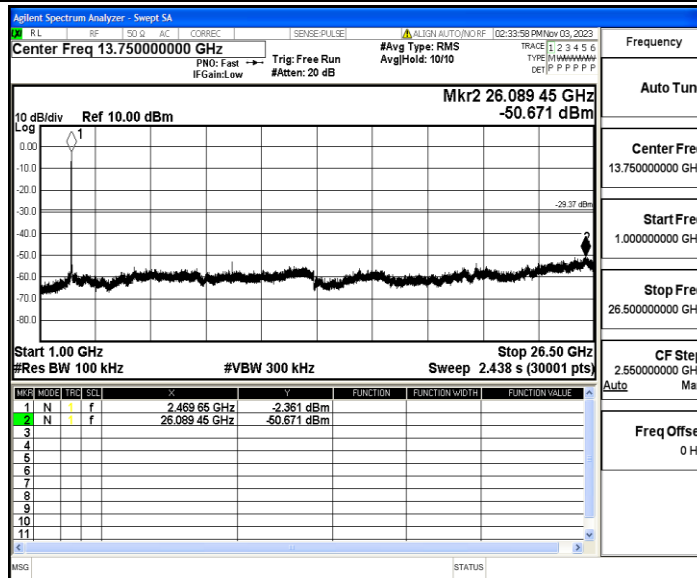
11N20SISO\_Ant1\_2462\_0~Reference



11N20SISO\_Ant1\_2462\_30~1000



11N20SISO\_Ant1\_2462\_1000~26500

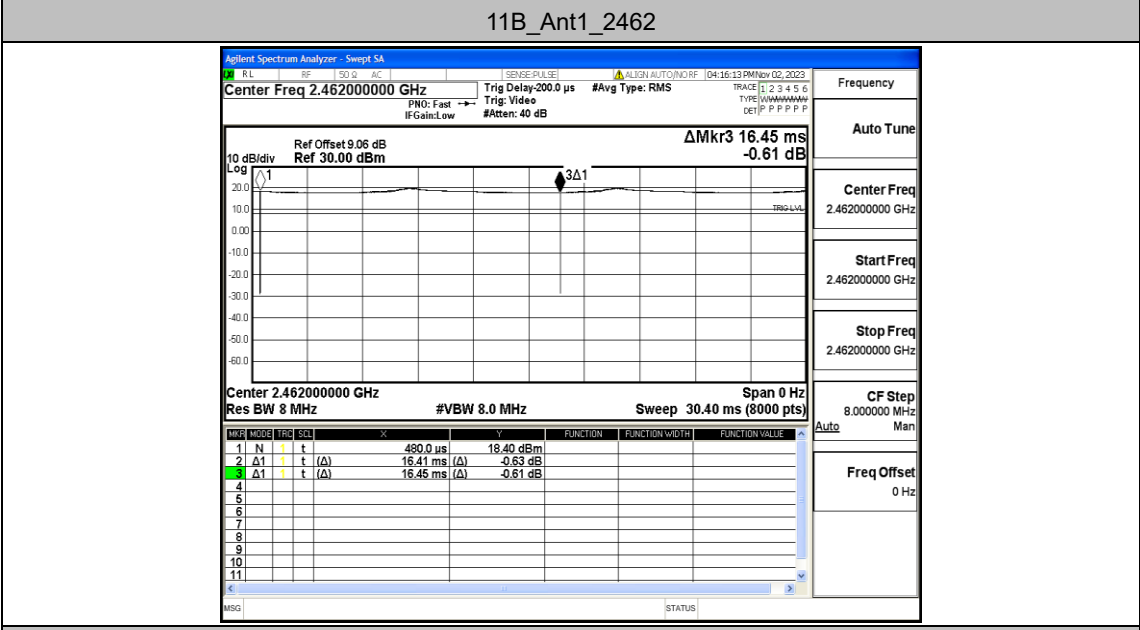
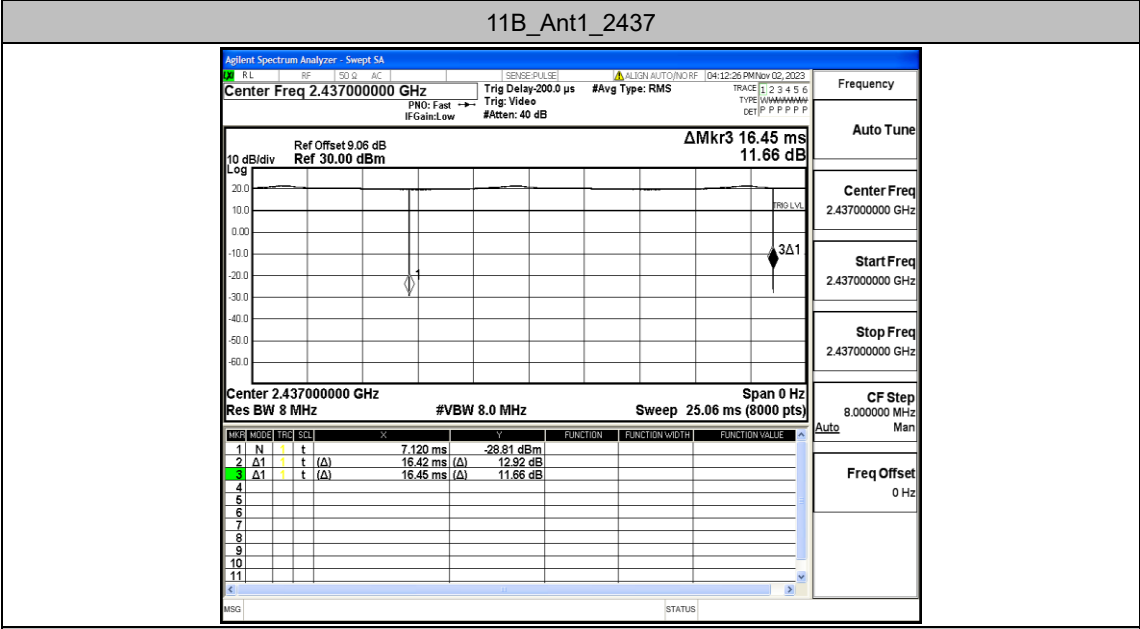
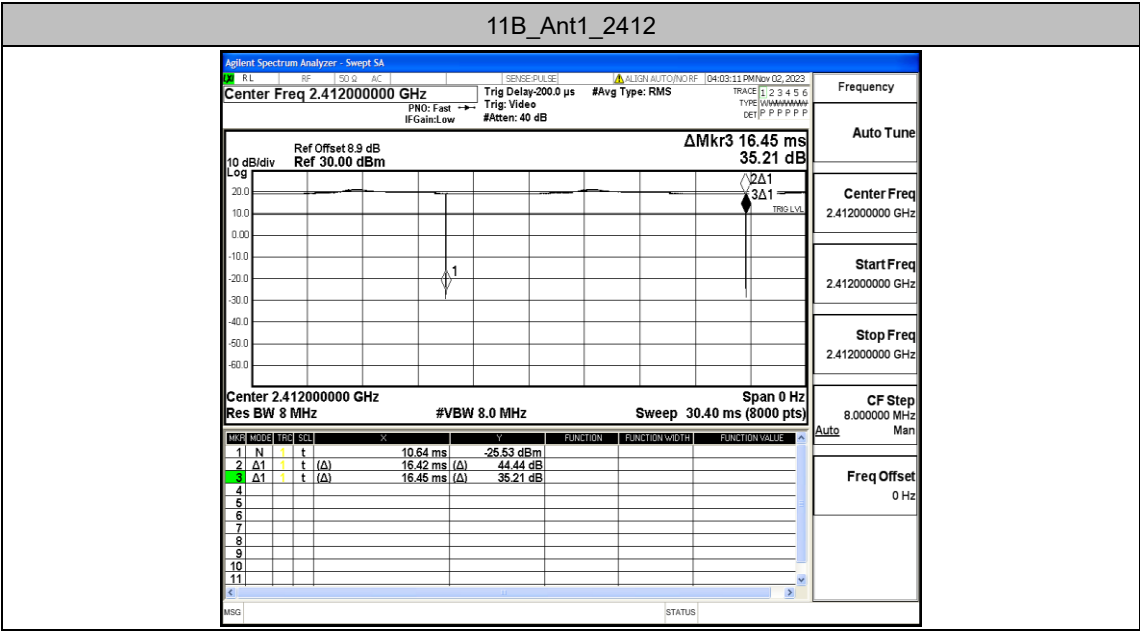


## Appendix G: Duty Cycle

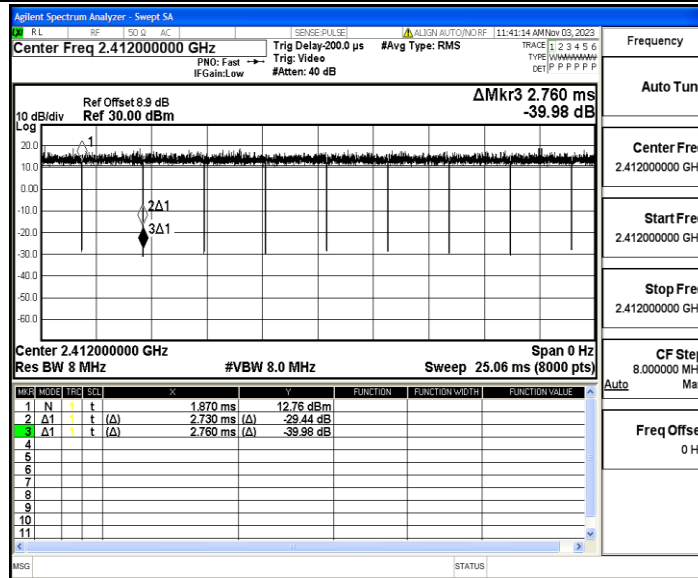
### Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
11B	Ant1	2412	16.42	16.45	99.82	0.06
		2437	16.42	16.45	99.82	0.06
		2462	16.41	16.45	99.76	0.06
11G	Ant1	2412	2.73	2.76	98.91	0.37
		2437	2.73	2.77	98.56	0.37
		2462	2.73	2.77	98.56	0.37
11N20SISO	Ant1	2412	0.29	0.33	87.88	3.45
		2437	2.73	2.77	98.56	0.37
		2462	1.92	2.14	89.72	0.52

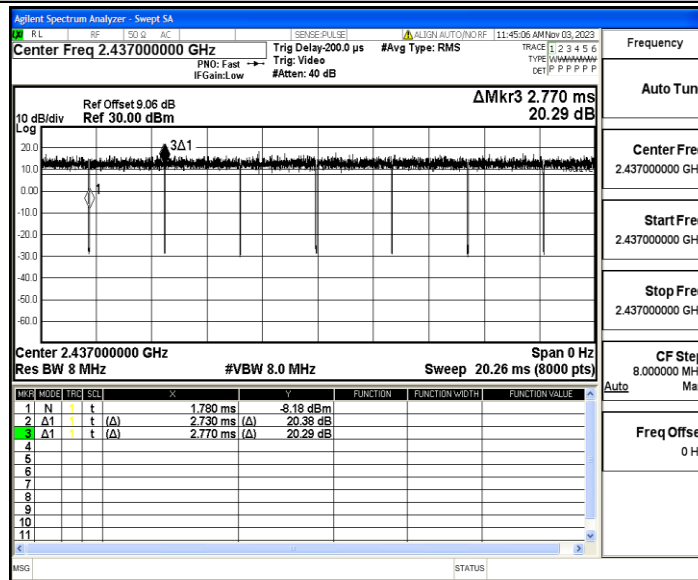
Test Graphs



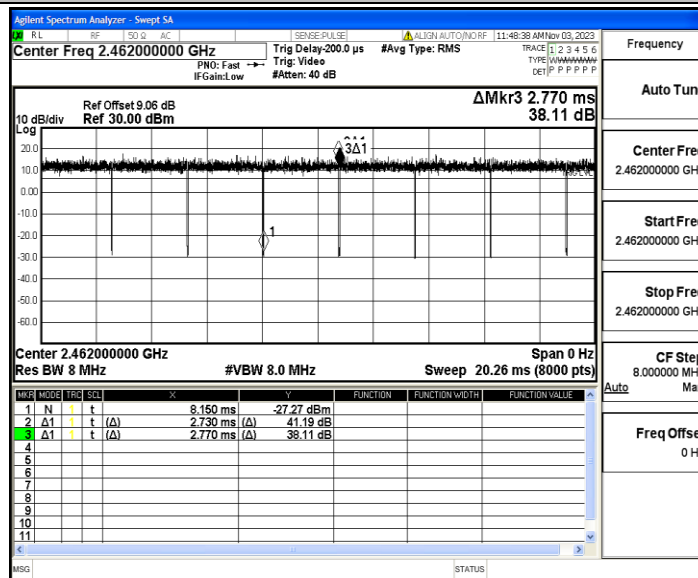
**11G\_Ant1\_2412**



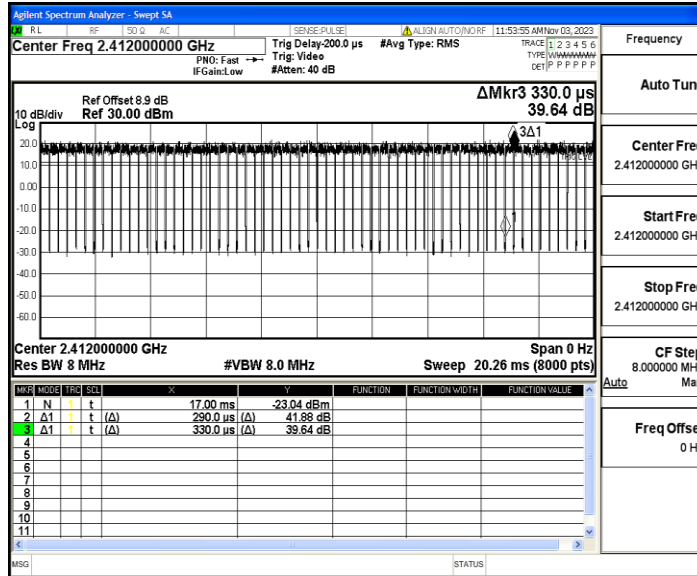
11G\_Ant1\_2437



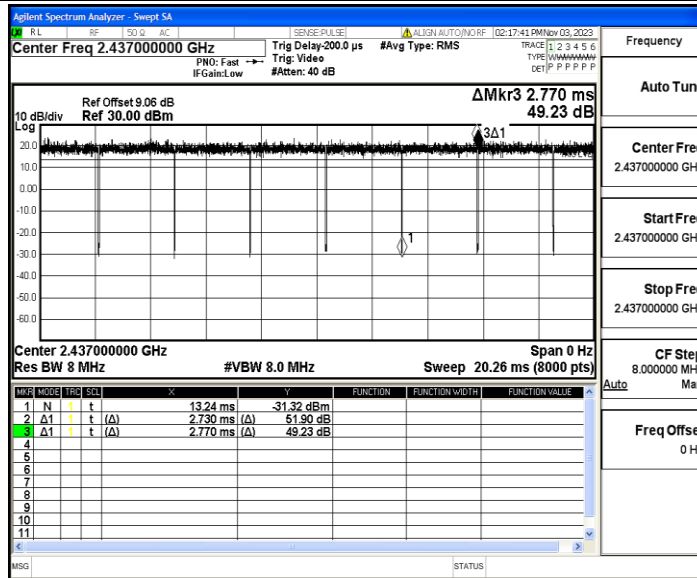
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

