

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

Product Name: Wanbo Projector

Trade Mark: wanbo

Test Model: T6 Max

FCC ID: 2A7PIT6MAX

Environmental Conditions

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

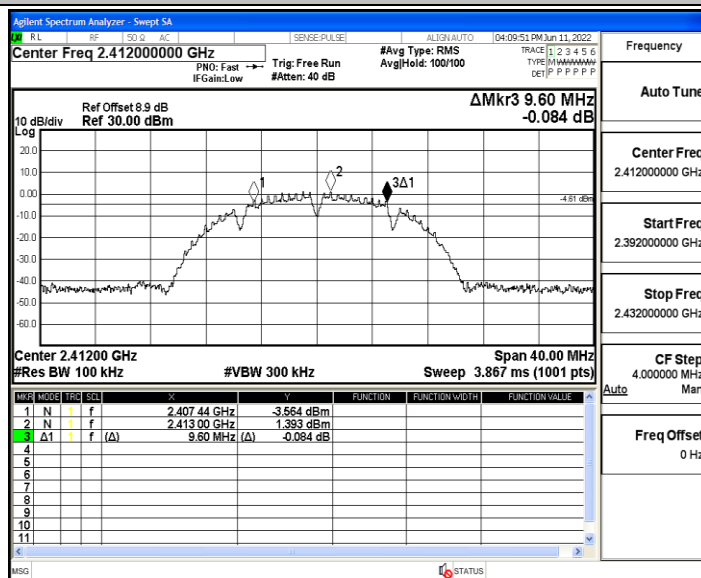
Appendix A: DTS Bandwidth

Test Result

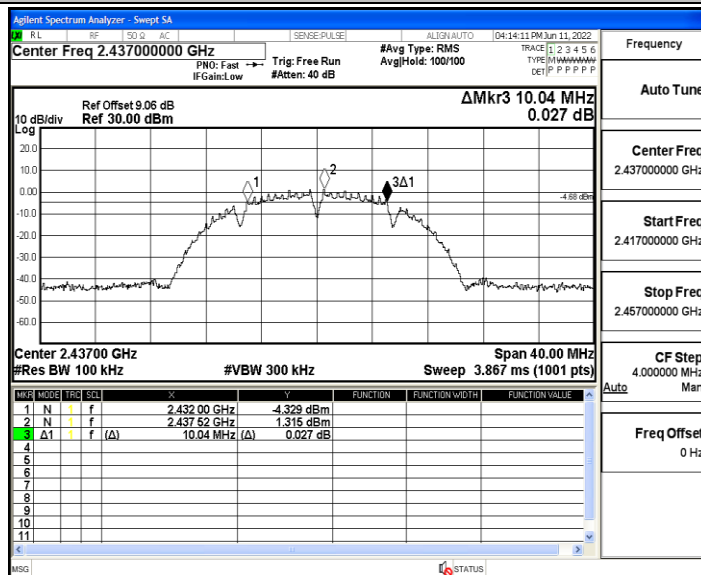
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.600	2407.440	2417.040	0.5	PASS
		2437	10.040	2432.000	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.000	2428.440	2445.440	0.5	PASS
		2462	17.560	2453.240	2470.800	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.080	2439.760	0.5	PASS
		2437	35.520	2419.240	2454.760	0.5	PASS
		2452	35.360	2434.400	2469.760	0.5	PASS

Test Graphs

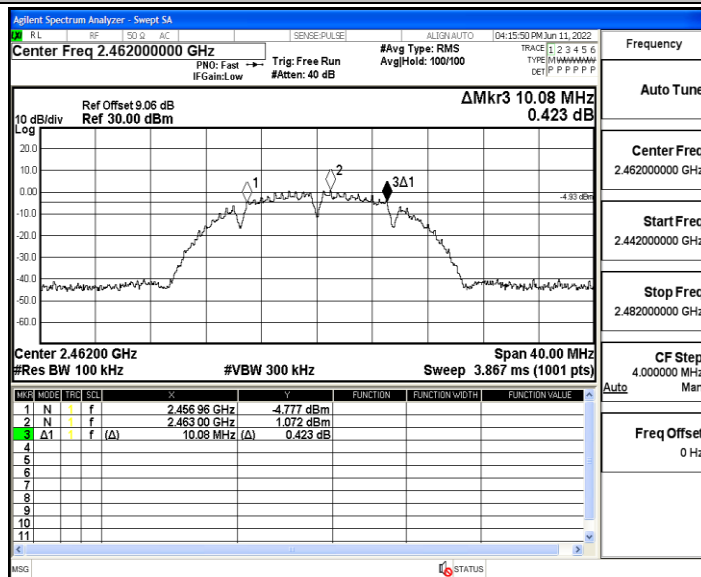
11B_Ant1_2412



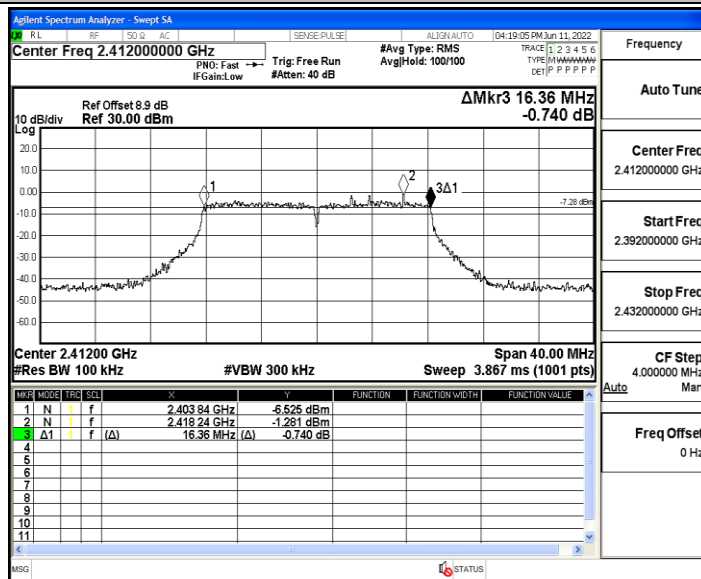
11B_Ant1_2437



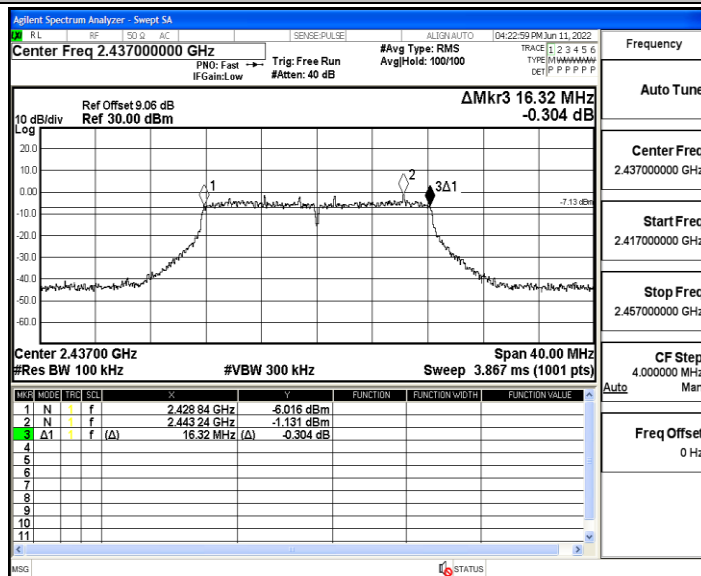
11B_Ant1_2462



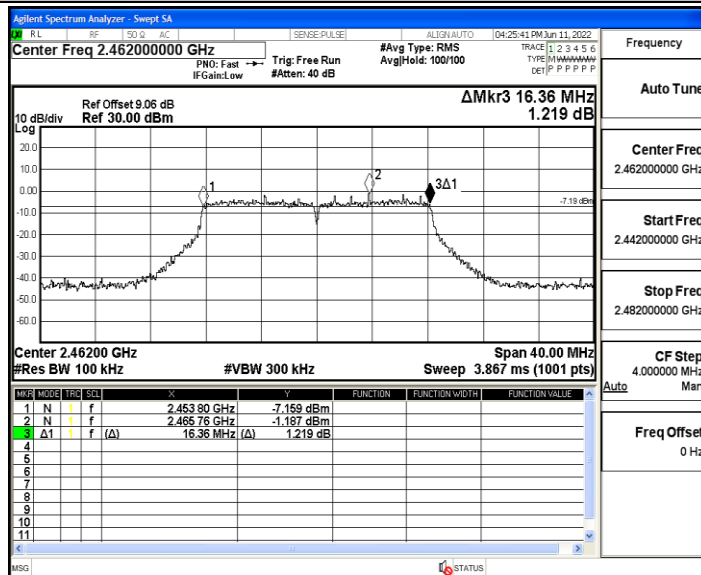
11G_Ant1_2412



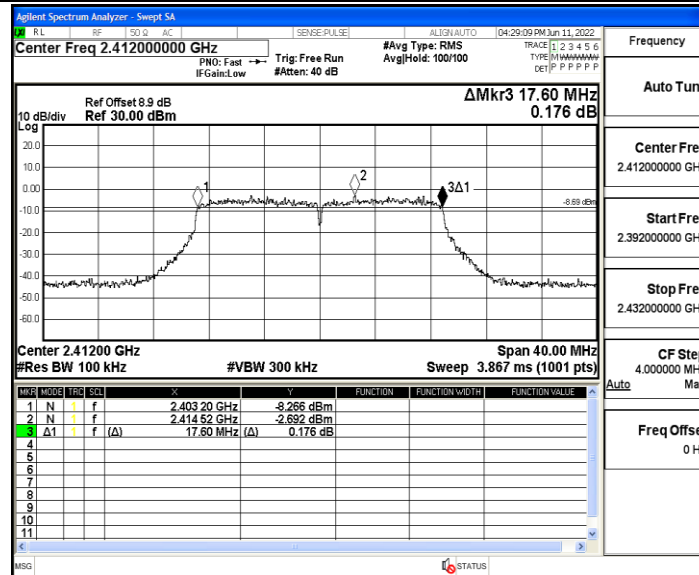
11G_Ant1_2437



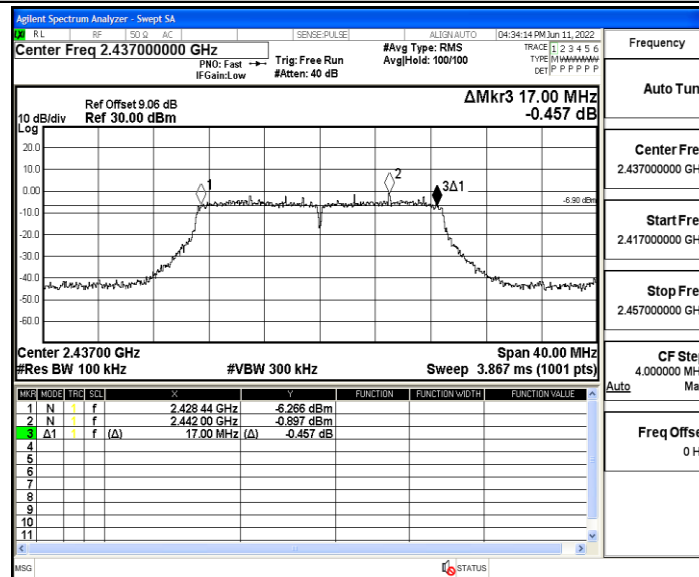
11G_Ant1_2462



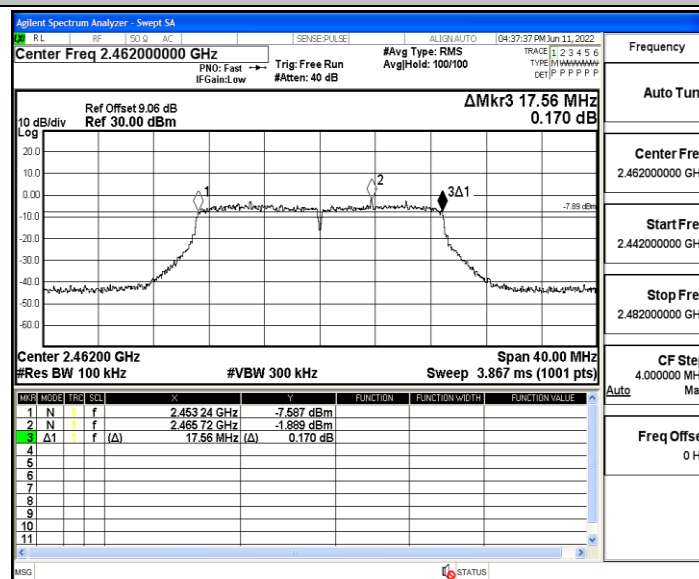
11N20SISO_Ant1_2412



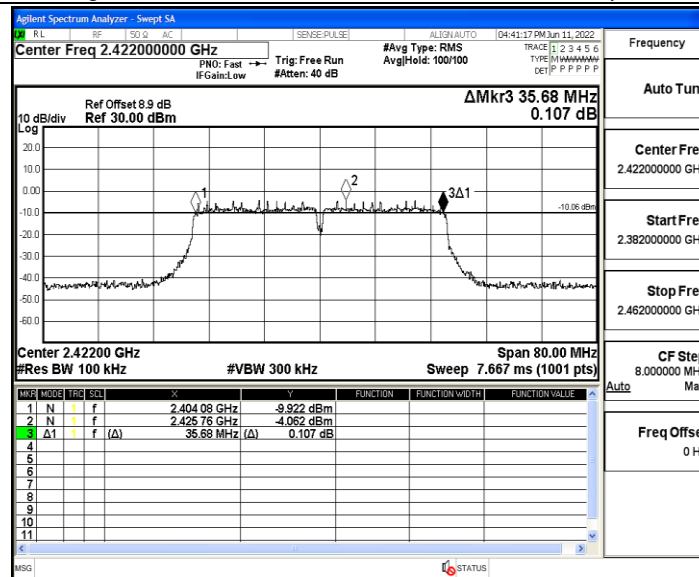
11N20SISO_Ant1_2437



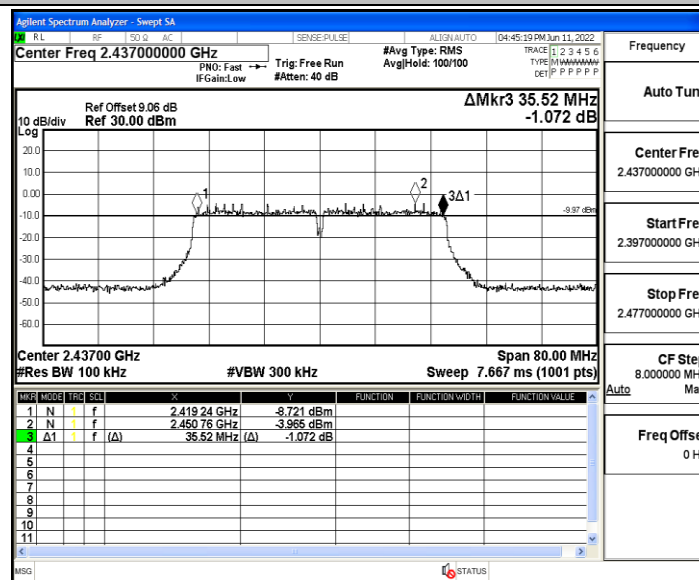
11N20SISO_Ant1_2462



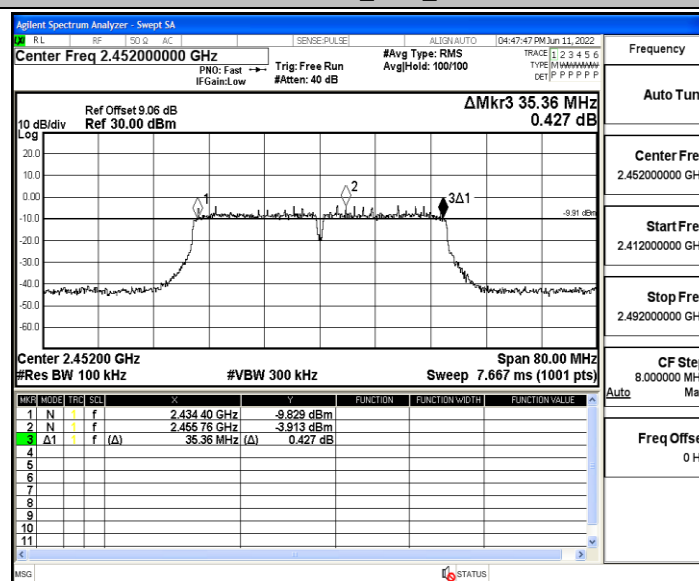
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

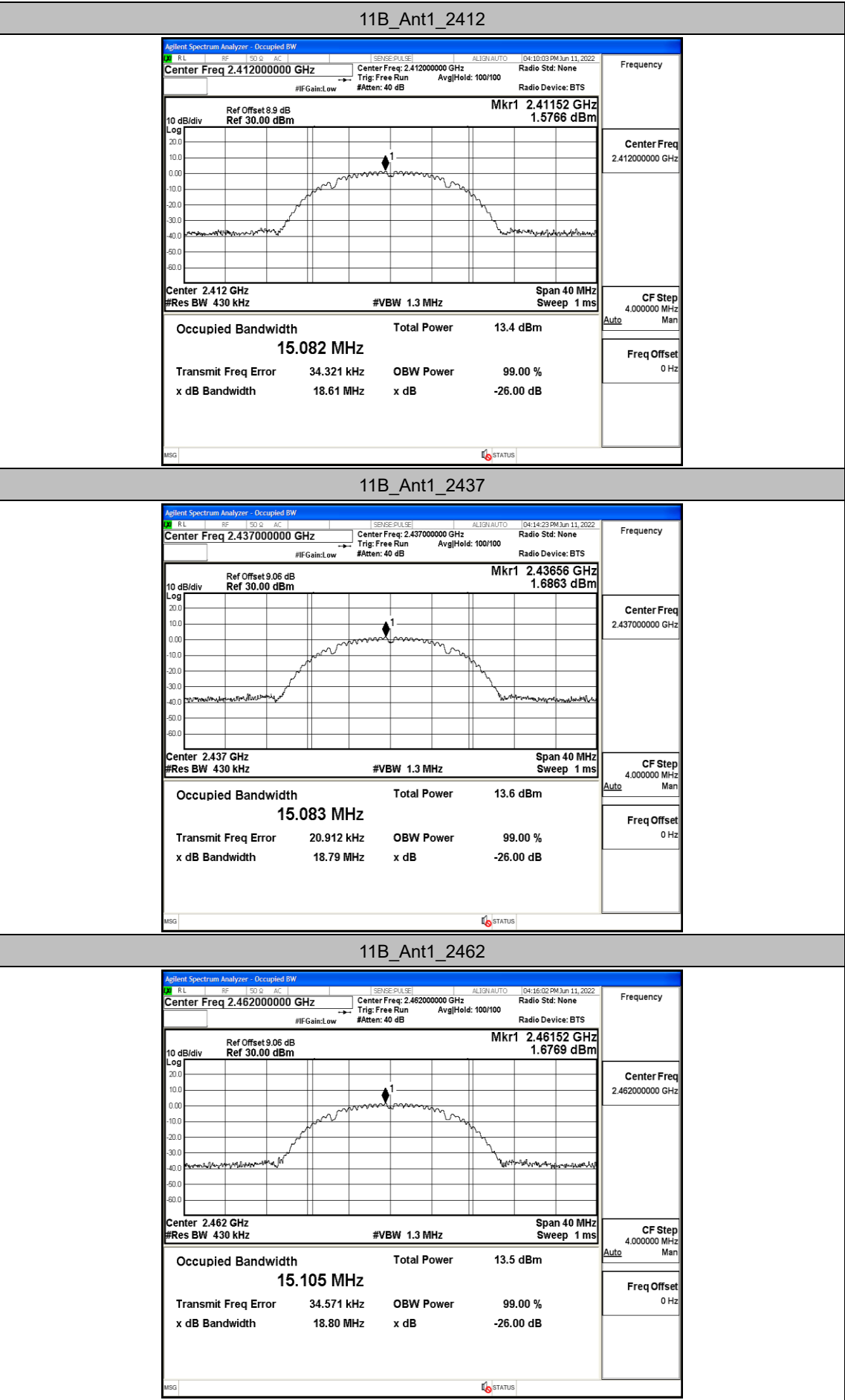


Appendix B: Occupied Channel Bandwidth

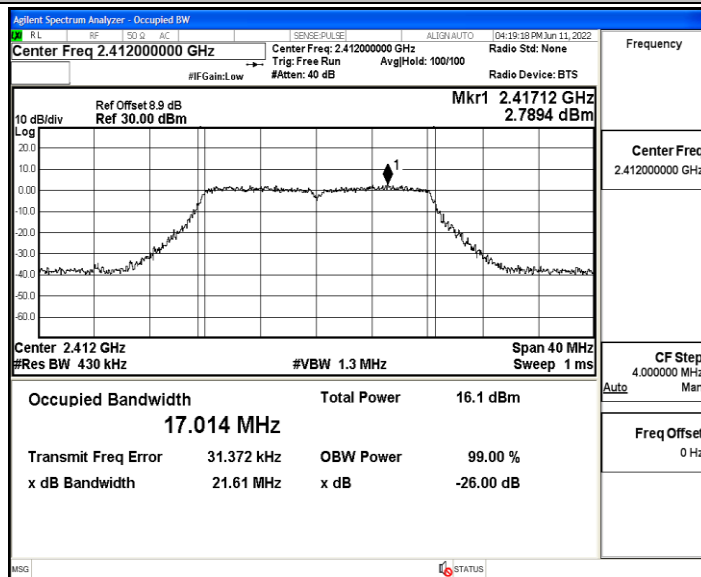
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.082	2404.493	2419.575	---	---
		2437	15.083	2429.479	2444.562	---	---
		2462	15.105	2454.482	2469.587	---	---
11G	Ant1	2412	17.014	2403.524	2420.538	---	---
		2437	17.024	2428.545	2445.569	---	---
		2462	16.967	2453.558	2470.525	---	---
11N20SISO	Ant1	2412	18.042	2403.065	2421.107	---	---
		2437	17.896	2428.061	2445.957	---	---
		2462	17.997	2453.066	2471.063	---	---
11N40SISO	Ant1	2422	36.352	2403.858	2440.210	---	---
		2437	36.369	2418.952	2455.321	---	---
		2452	36.343	2433.888	2470.231	---	---

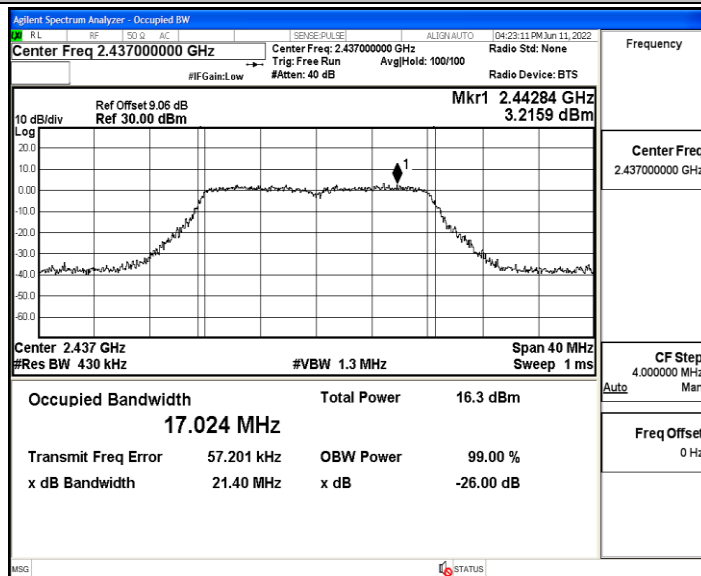
Test Graphs



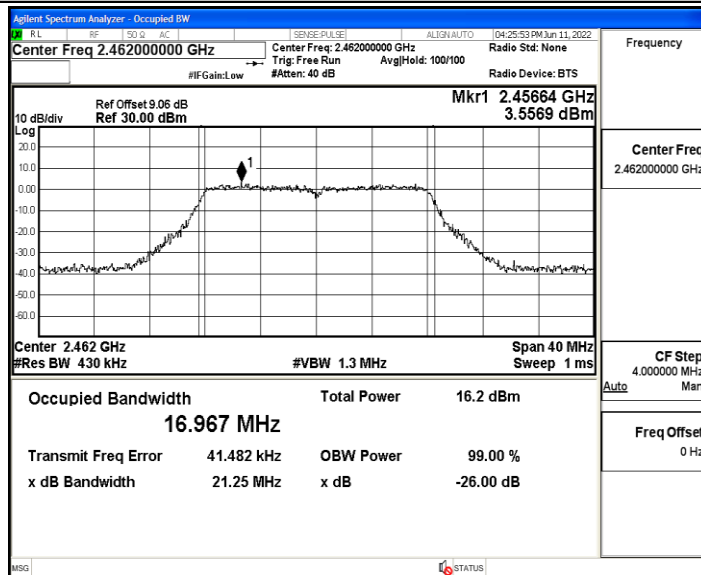
11G_Ant1_2412



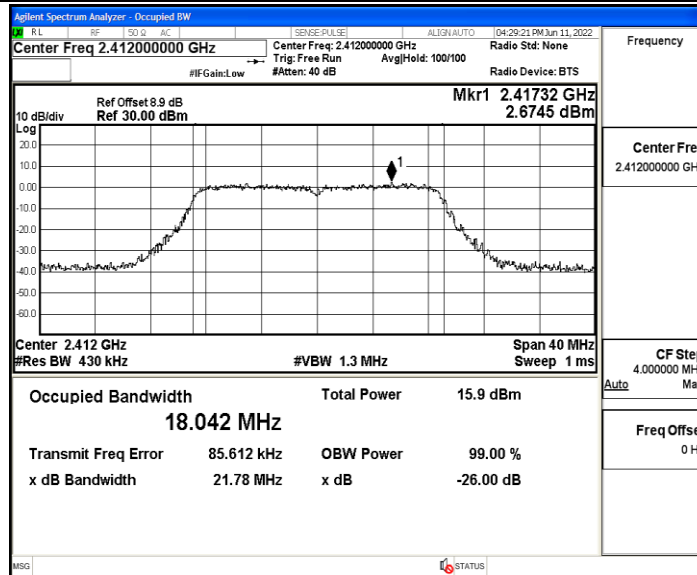
11G_Ant1_2437



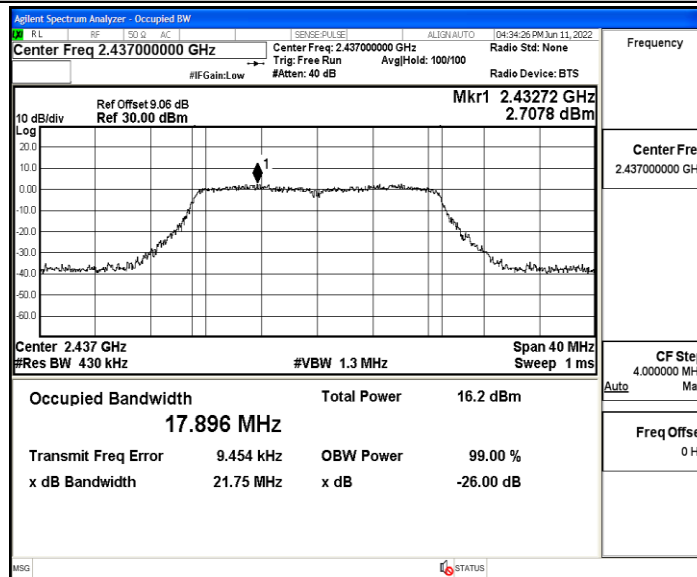
11G_Ant1_2462



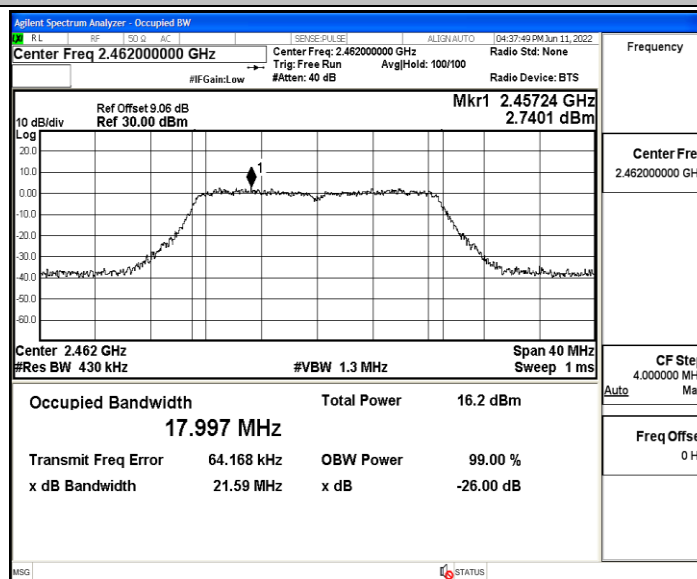
11N20SISO_Ant1_2412



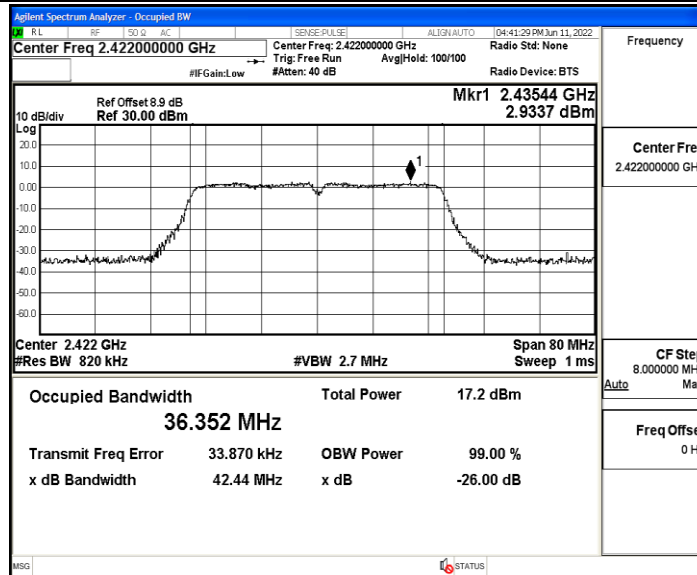
11N20SISO_Ant1_2437



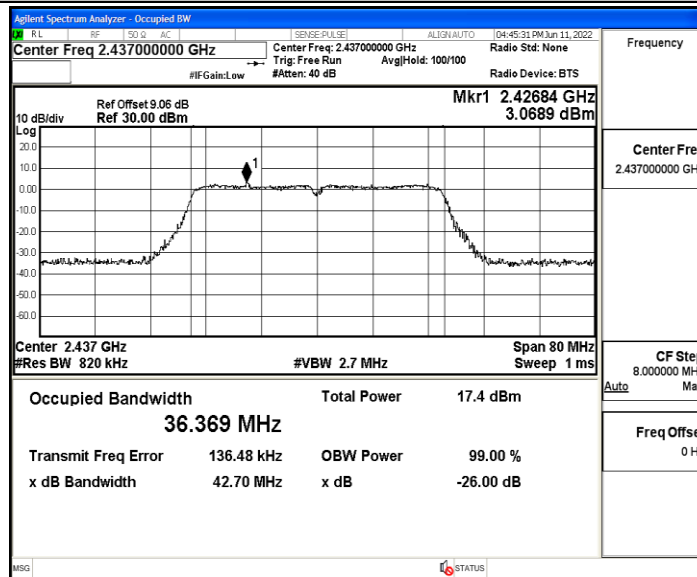
11N20SISO_Ant1_2462



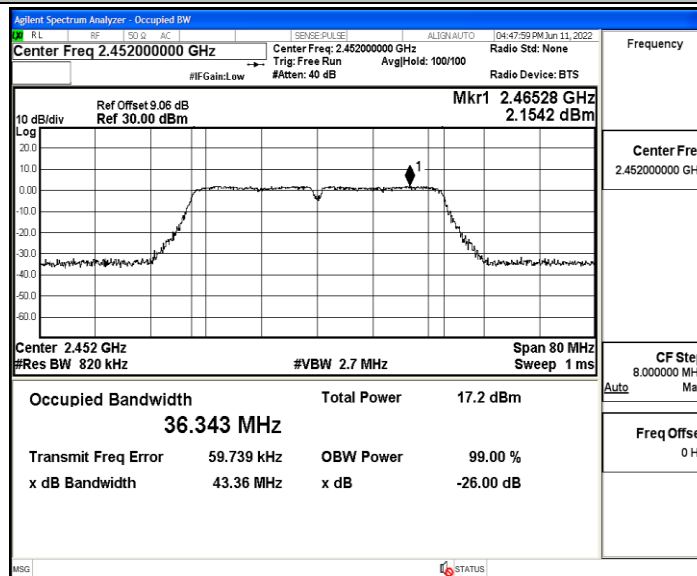
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	13.02	≤30.00	PASS
		2437	13.25	≤30.00	PASS
		2462	13.21	≤30.00	PASS
11G	Ant1	2412	17.18	≤30.00	PASS
		2437	17.40	≤30.00	PASS
		2462	17.36	≤30.00	PASS
11N20SISO	Ant1	2412	17.15	≤30.00	PASS
		2437	17.24	≤30.00	PASS
		2462	17.35	≤30.00	PASS
11N40SISO	Ant1	2422	17.32	≤30.00	PASS
		2437	17.60	≤30.00	PASS
		2452	17.44	≤30.00	PASS

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

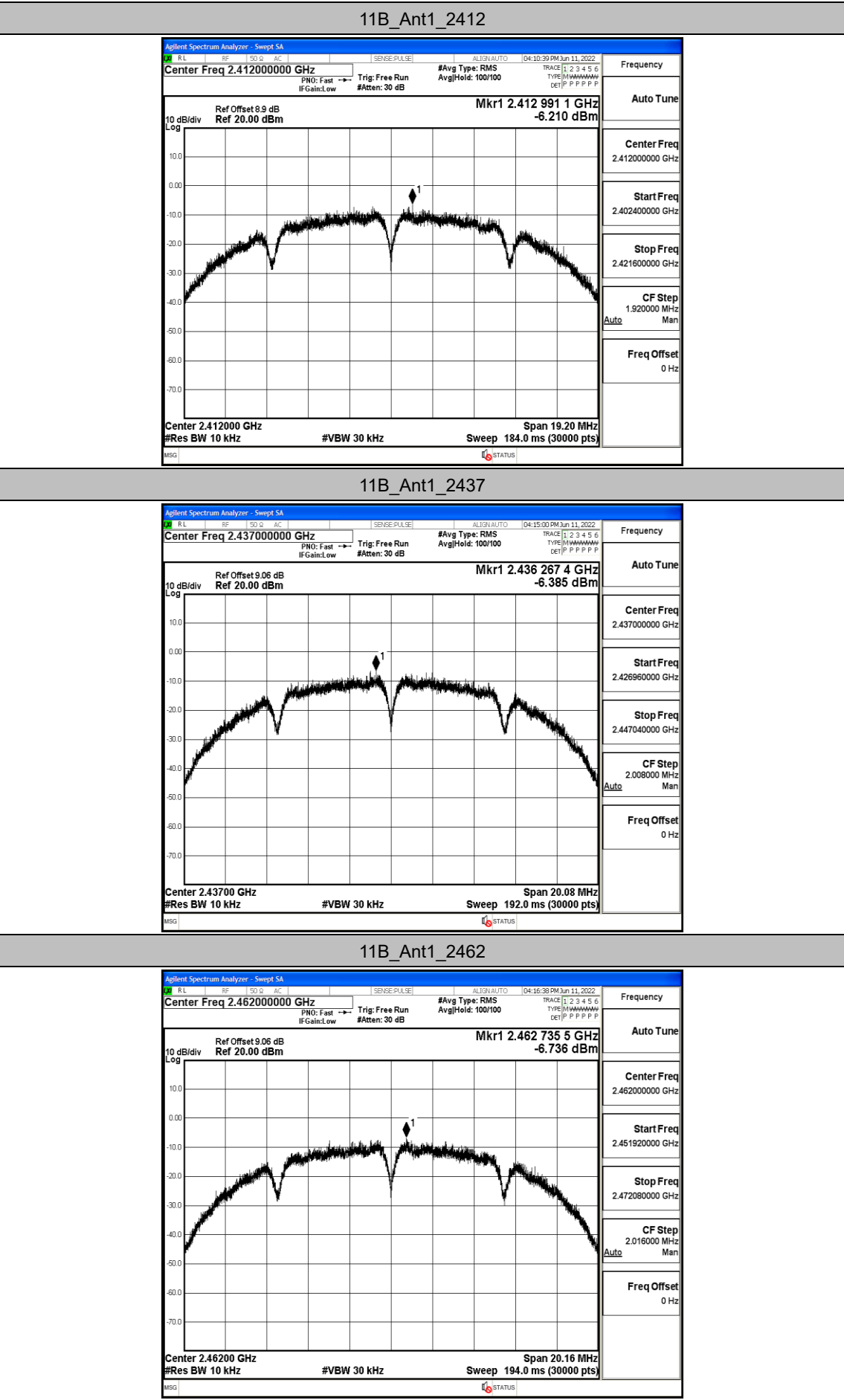
Appendix D: Maximum power spectral density

Test Result

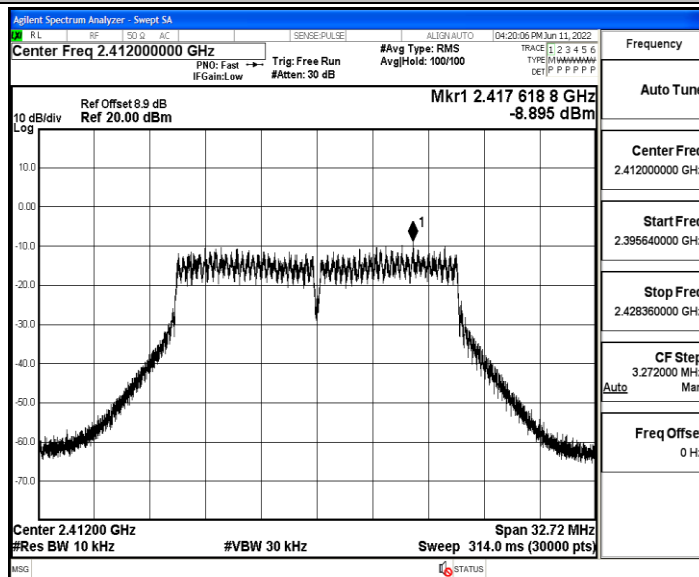
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.21	≤8.00	PASS
		2437	-6.39	≤8.00	PASS
		2462	-6.74	≤8.00	PASS
11G	Ant1	2412	-8.9	≤8.00	PASS
		2437	-9.18	≤8.00	PASS
		2462	-9.1	≤8.00	PASS
11N20SISO	Ant1	2412	-9.19	≤8.00	PASS
		2437	-8.65	≤8.00	PASS
		2462	-9.37	≤8.00	PASS
11N40SISO	Ant1	2422	-13.05	≤8.00	PASS
		2437	-12.02	≤8.00	PASS
		2452	-12.24	≤8.00	PASS

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

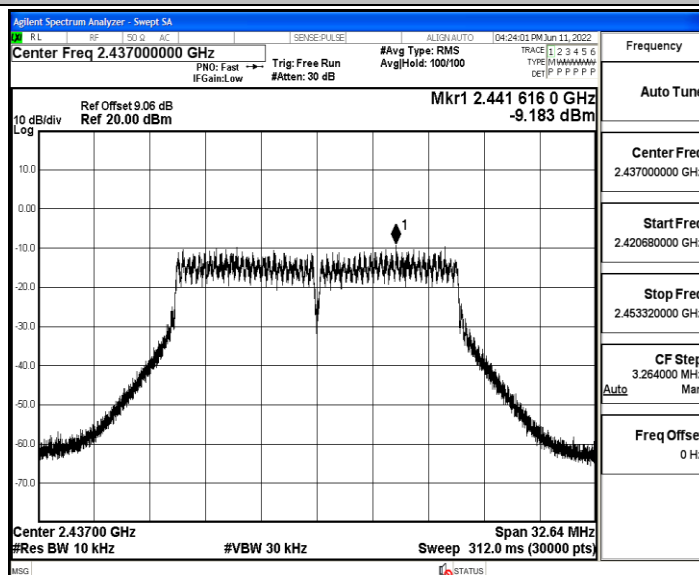
Test Graphs



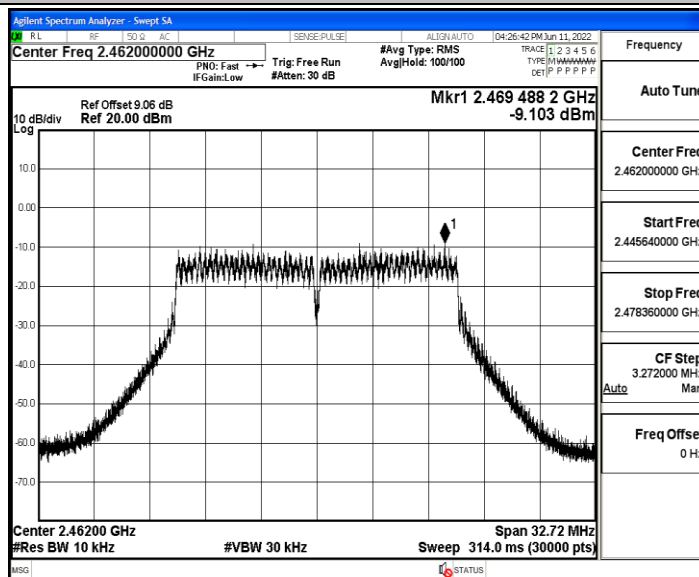
11G_Ant1_2412



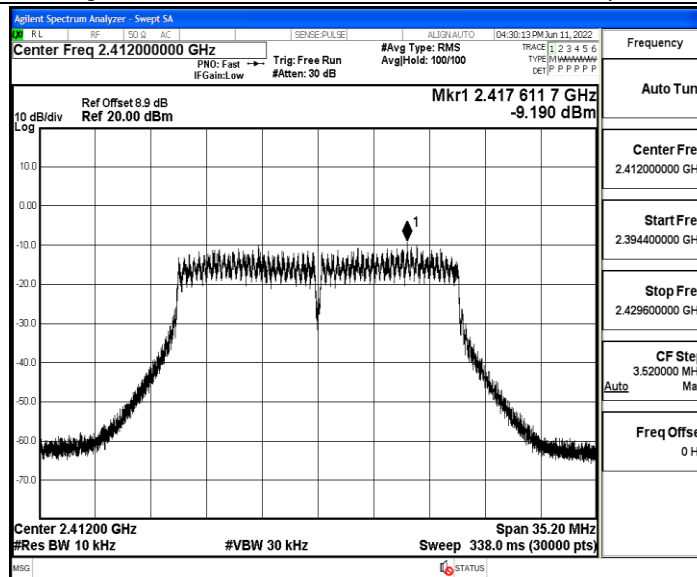
11G_Ant1_2437



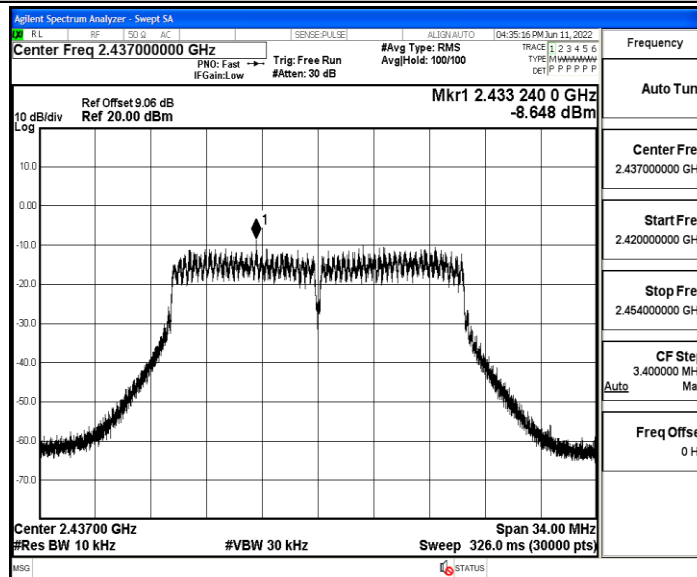
11G_Ant1_2462



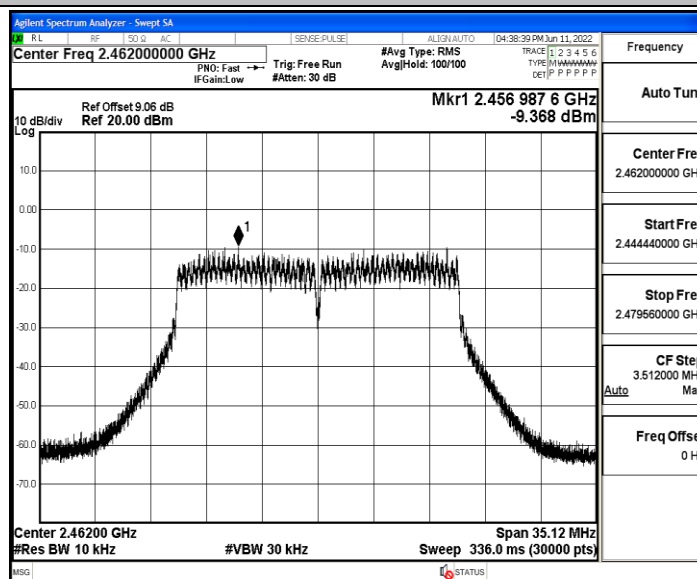
11N20SISO_Ant1_2412



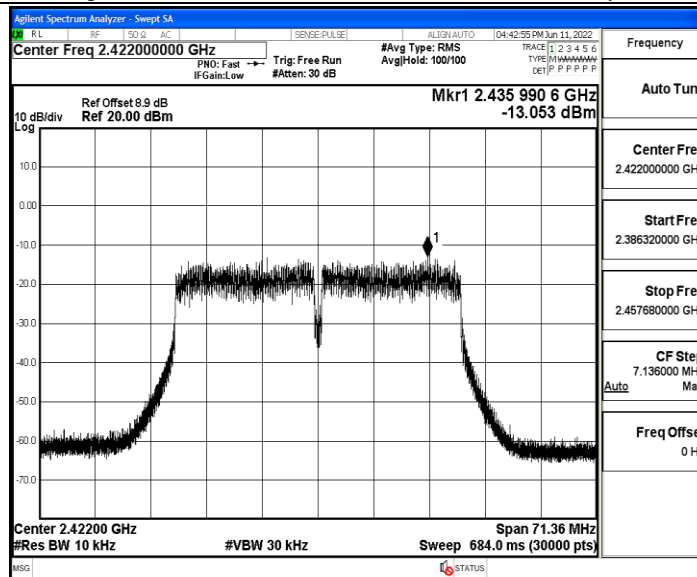
11N20SISO_Ant1_2437



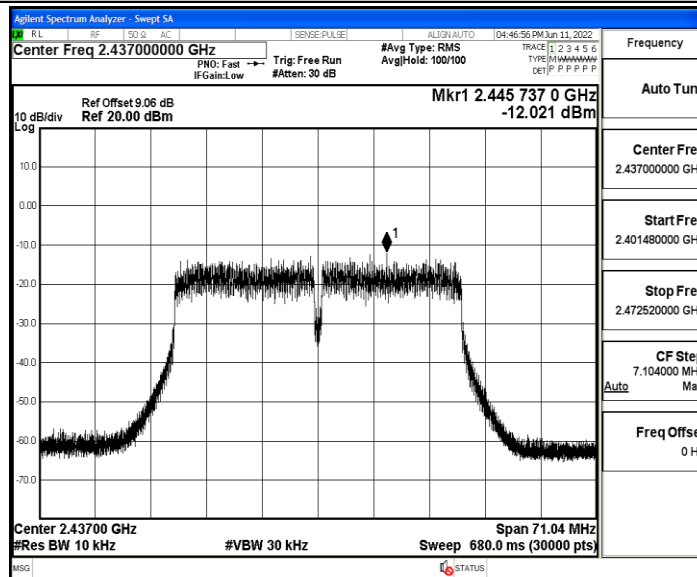
11N20SISO_Ant1_2462



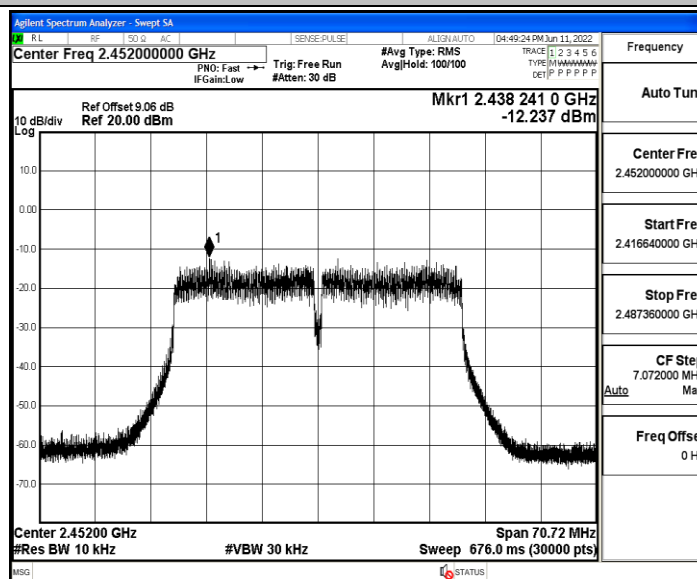
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



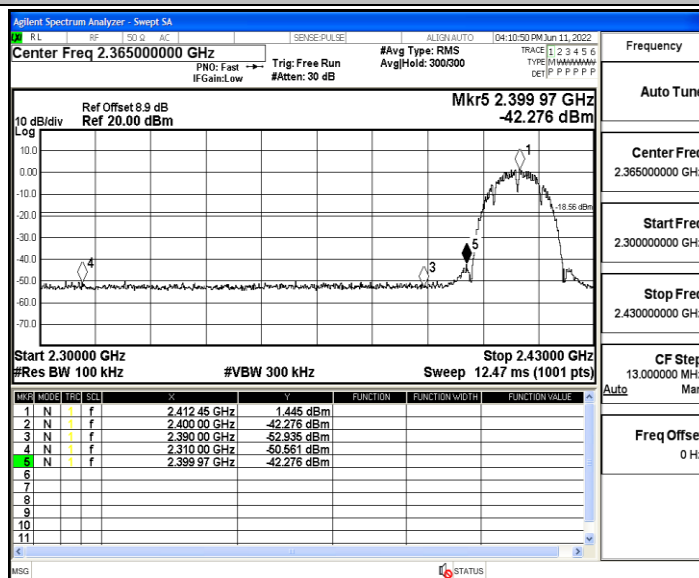
Appendix E: Band edge measurements

Test Result

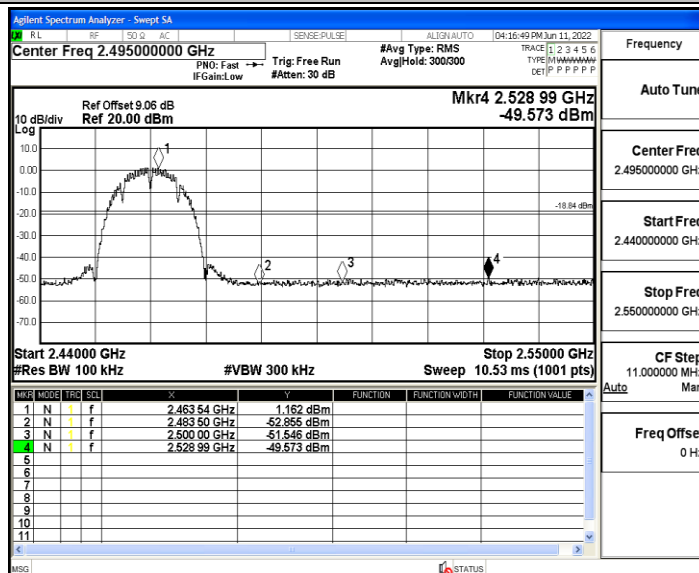
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.45	-42.28	≤ -18.56	PASS
		High	2462	1.16	-49.57	≤ -18.84	PASS
11G	Ant1	Low	2412	-1.15	-38.75	≤ -21.15	PASS
		High	2462	-1.15	-48.16	≤ -21.15	PASS
11N20SISO	Ant1	Low	2412	-1.28	-40.22	≤ -21.28	PASS
		High	2462	-0.73	-49.26	≤ -20.73	PASS
11N40SISO	Ant1	Low	2422	-3.87	-39.86	≤ -23.87	PASS
		High	2452	-3.69	-48.38	≤ -23.69	PASS

Test Graphs

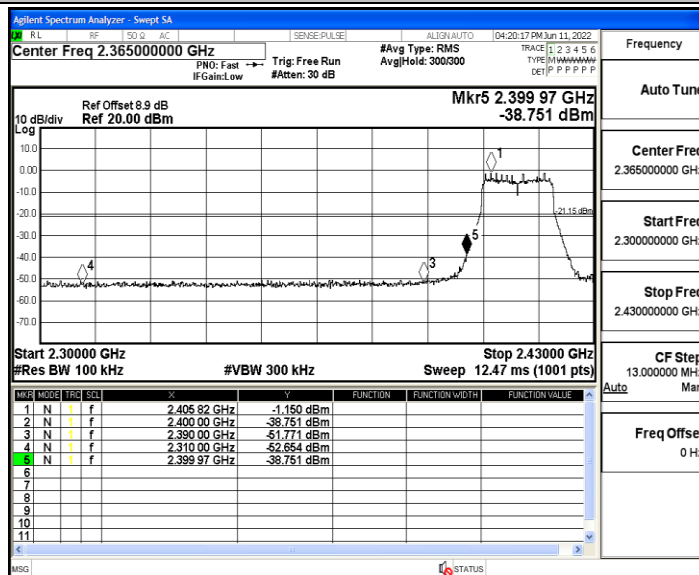
11B_Ant1_Low_2412



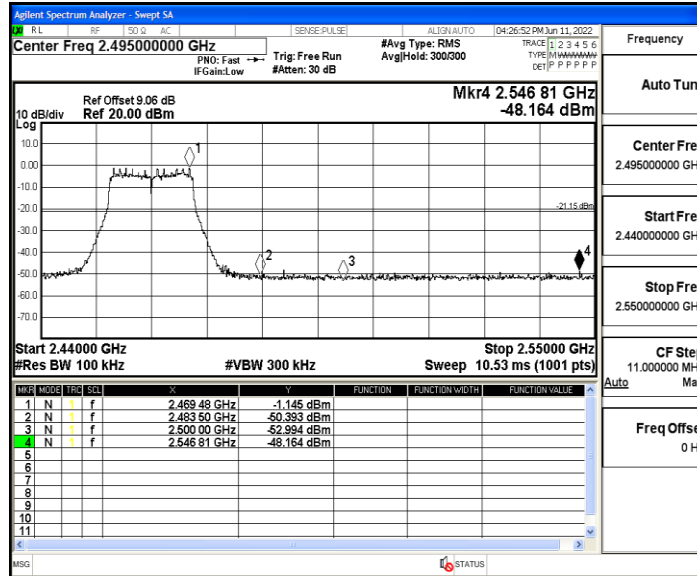
11B_Ant1_High_2462



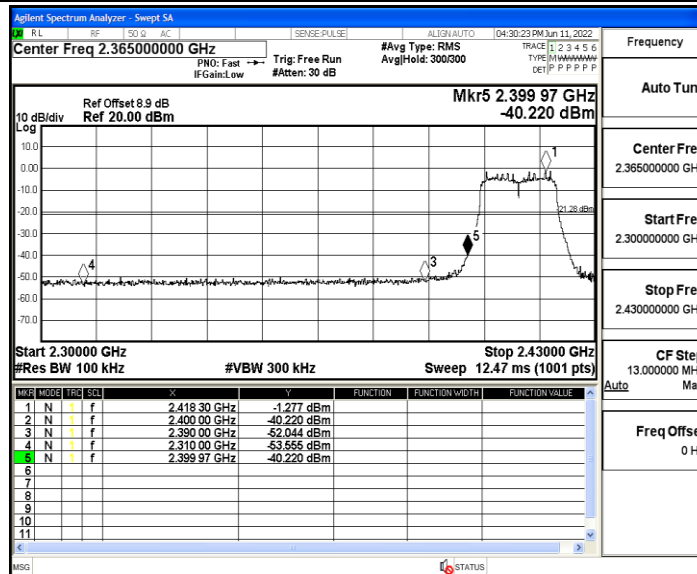
11G_Ant1_Low_2412



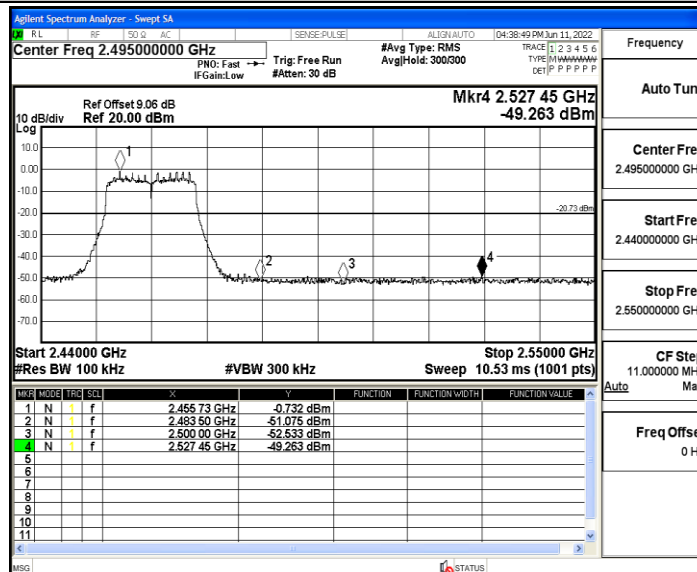
11G_Ant1_High_2462



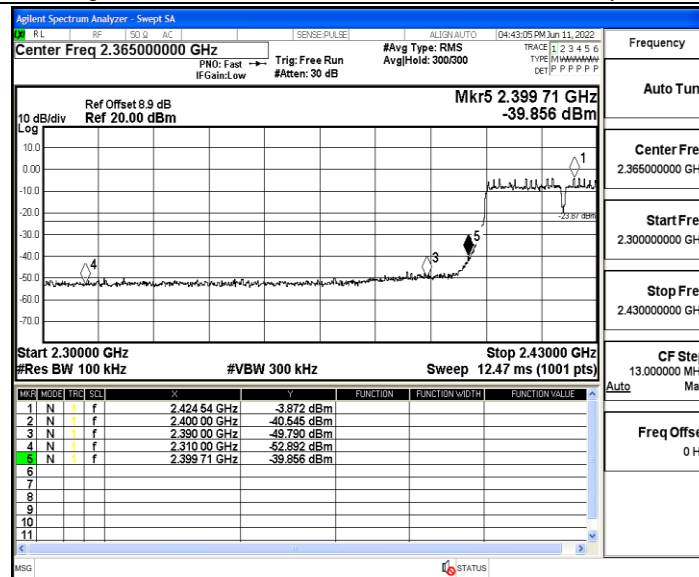
11N20SISO_Ant1_Low_2412



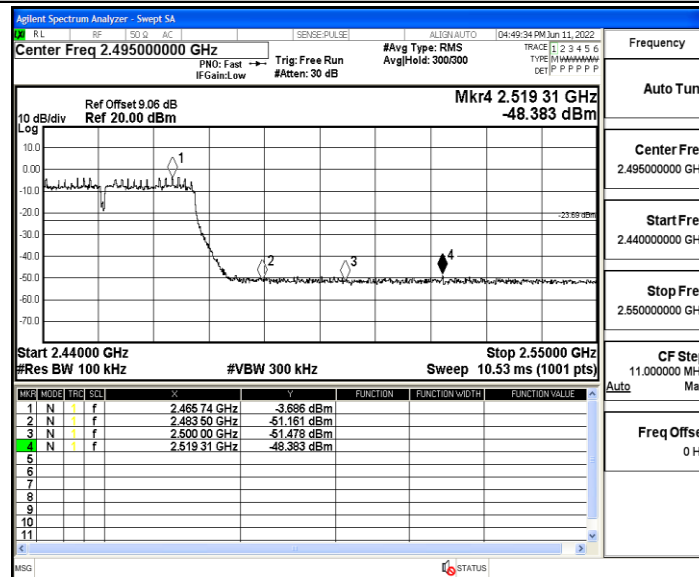
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

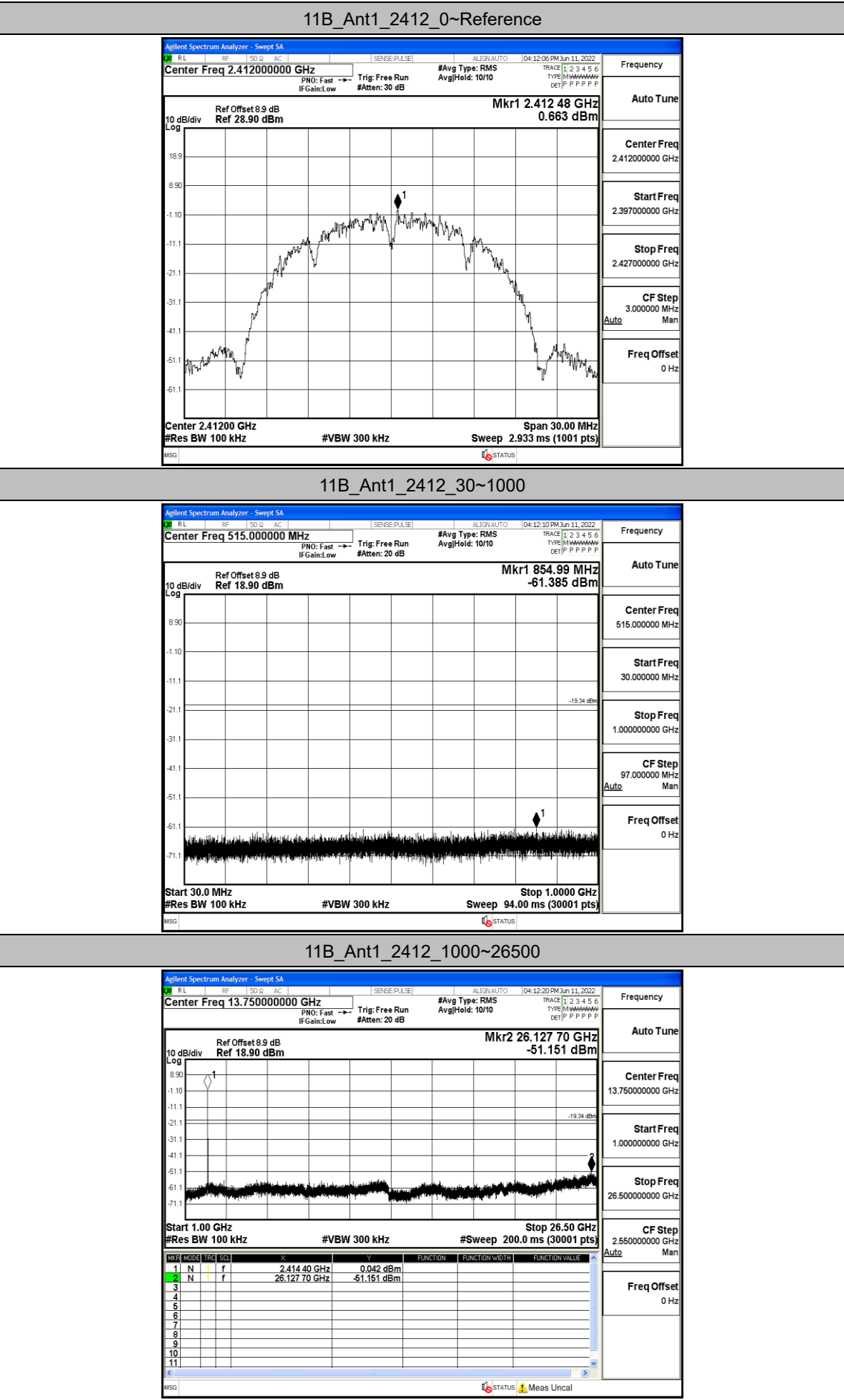


Appendix F: Conducted Spurious Emission

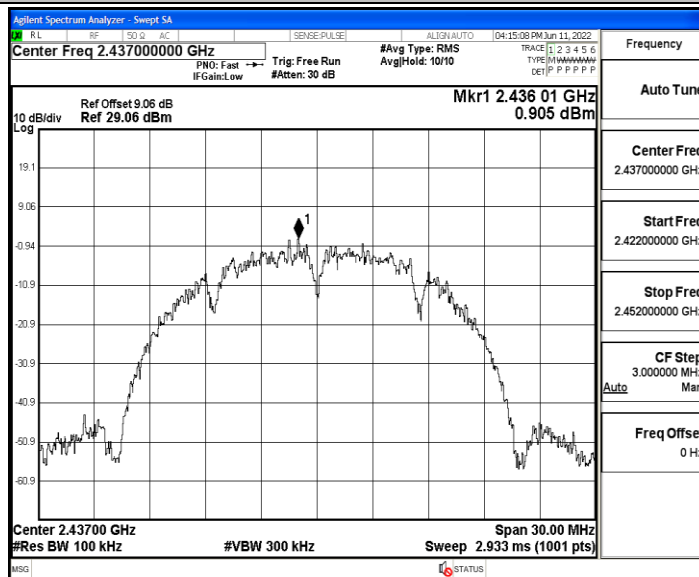
Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.66	0.66	---	PASS
			30~1000	0.66	-61.39	≤-19.34	PASS
			1000~26500	0.66	-51.15	≤-19.34	PASS
		2437	Reference	0.91	0.91	---	PASS
			30~1000	0.91	-61.64	≤-19.09	PASS
			1000~26500	0.91	-51.21	≤-19.09	PASS
		2462	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-61.62	≤-20.48	PASS
			1000~26500	-0.48	-51.55	≤-20.48	PASS
11G	Ant1	2412	Reference	-1.76	-1.76	---	PASS
			30~1000	-1.76	-60.8	≤-21.76	PASS
			1000~26500	-1.76	-51.45	≤-21.76	PASS
		2437	Reference	-3.98	-3.98	---	PASS
			30~1000	-3.98	-61.26	≤-23.98	PASS
			1000~26500	-3.98	-50.25	≤-23.98	PASS
		2462	Reference	-4.01	-4.01	---	PASS
			30~1000	-4.01	-61.55	≤-24.01	PASS
			1000~26500	-4.01	-51.39	≤-24.01	PASS
11N20SISO	Ant1	2412	Reference	-1.17	-1.17	---	PASS
			30~1000	-1.17	-61.63	≤-21.17	PASS
			1000~26500	-1.17	-51.81	≤-21.17	PASS
		2437	Reference	-3.82	-3.82	---	PASS
			30~1000	-3.82	-61.65	≤-23.82	PASS
			1000~26500	-3.82	-50.26	≤-23.82	PASS
		2462	Reference	-3.66	-3.66	---	PASS
			30~1000	-3.66	-61.3	≤-23.66	PASS
			1000~26500	-3.66	-50.74	≤-23.66	PASS
11N40SISO	Ant1	2422	Reference	-4.21	-4.21	---	PASS
			30~1000	-4.21	-61.16	≤-24.21	PASS
			1000~26500	-4.21	-51.47	≤-24.21	PASS
		2437	Reference	-5.14	-5.14	---	PASS
			30~1000	-5.14	-62.07	≤-25.14	PASS
			1000~26500	-5.14	-49.47	≤-25.14	PASS
		2452	Reference	-4.49	-4.49	---	PASS
			30~1000	-4.49	-61.02	≤-24.49	PASS
			1000~26500	-4.49	-51.05	≤-24.49	PASS

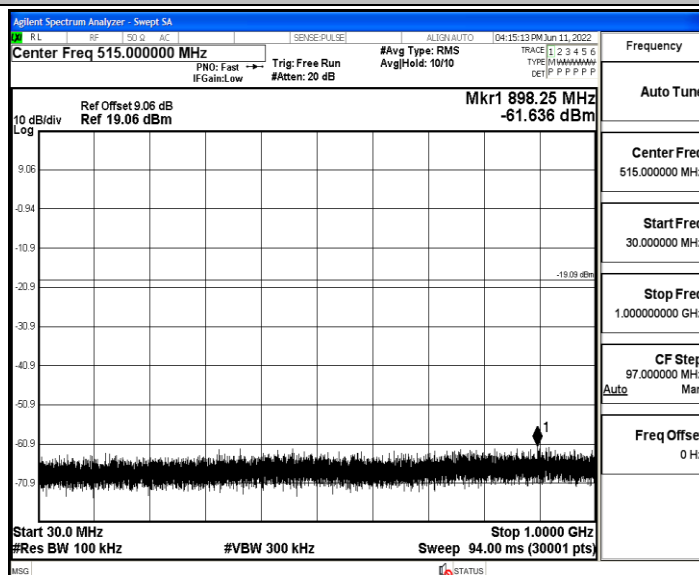
Test Graphs



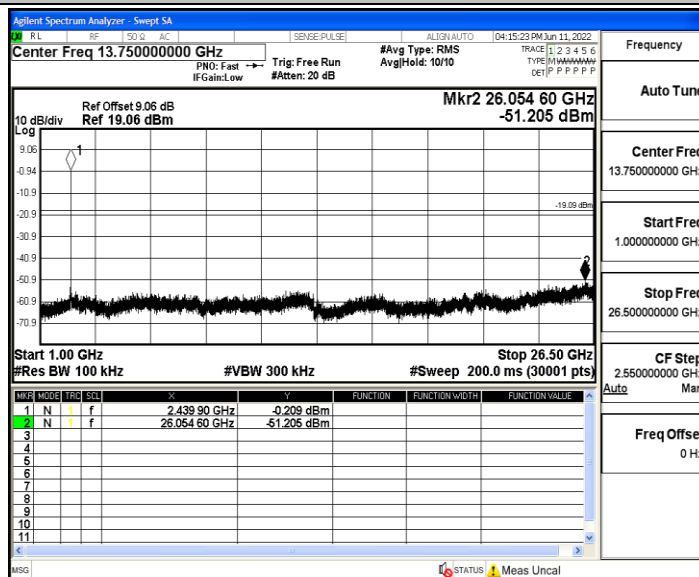
11B_Ant1_2437_0~Reference



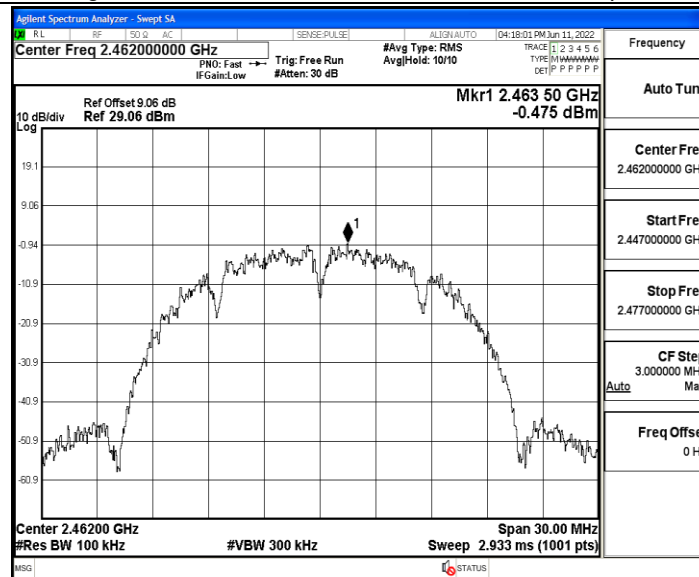
11B_Ant1_2437_30~1000



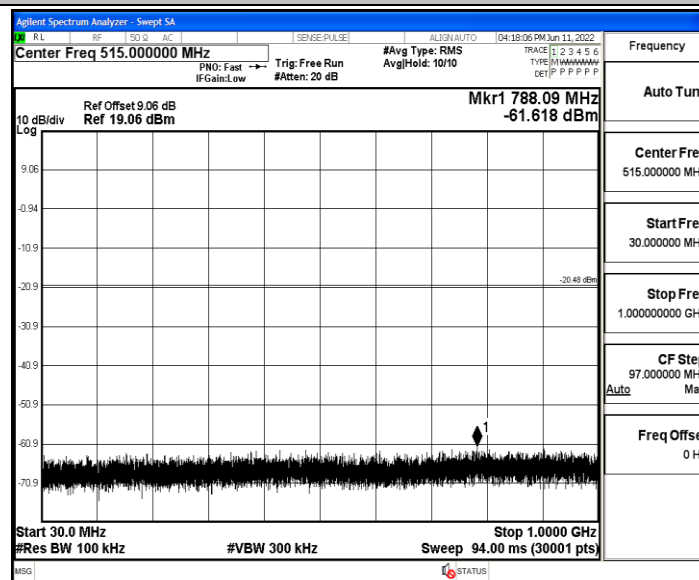
11B_Ant1_2437_1000~26500



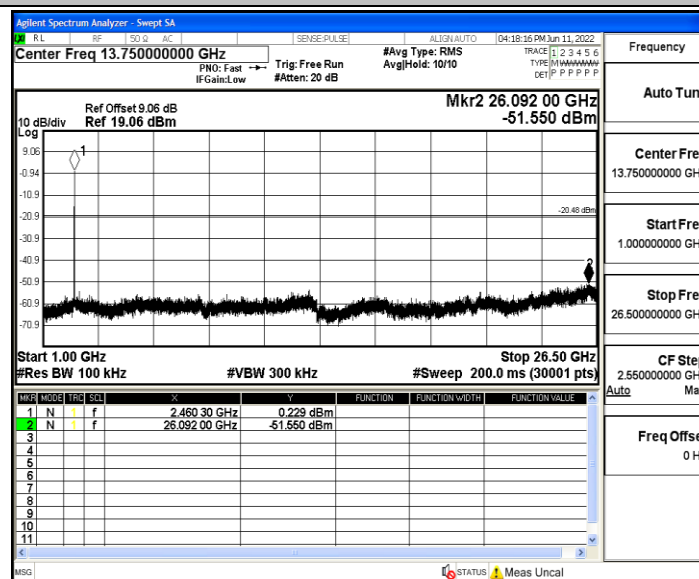
11B_Ant1_2462_0~Reference



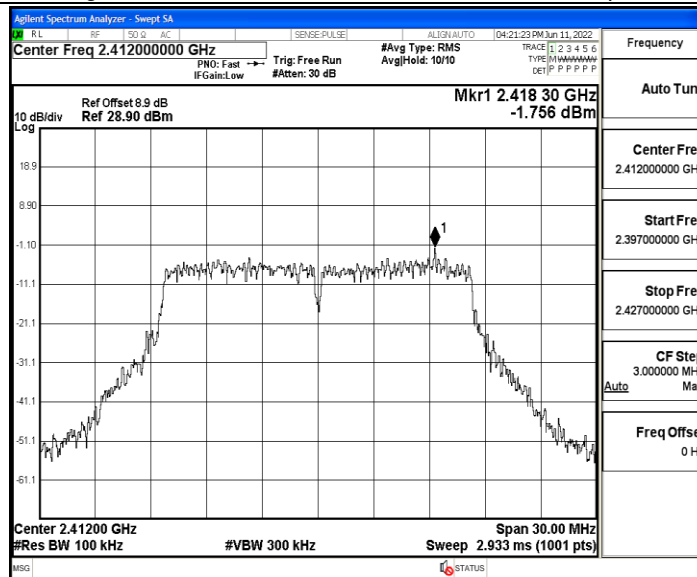
11B_Ant1_2462_30~1000



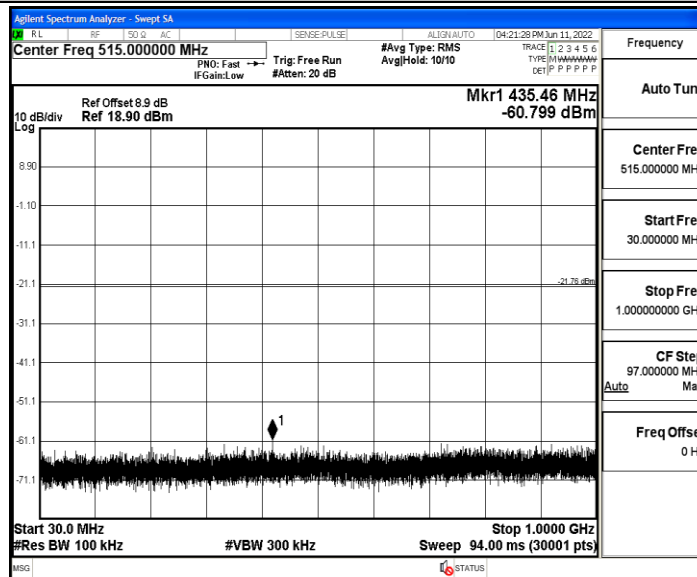
11B_Ant1_2462_1000~26500



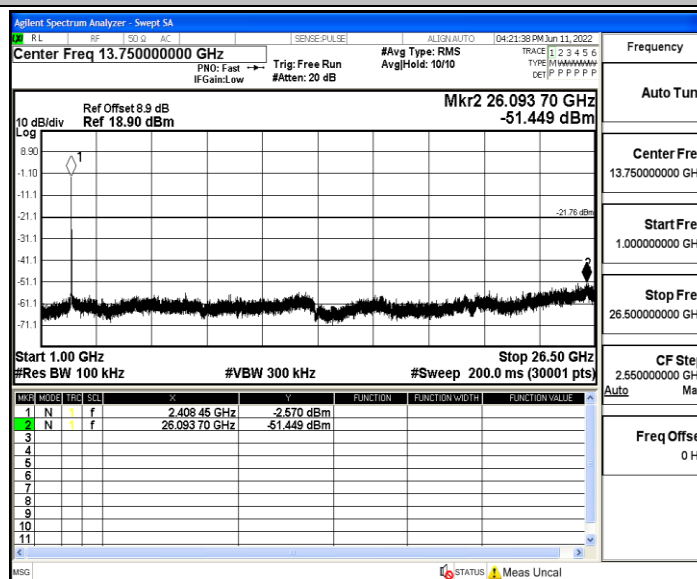
11G_Ant1_2412_0~Reference



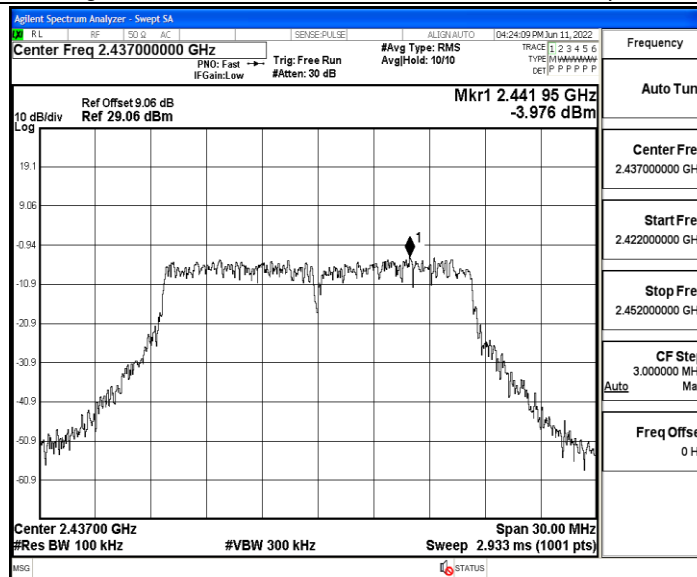
11G_Ant1_2412_30~1000



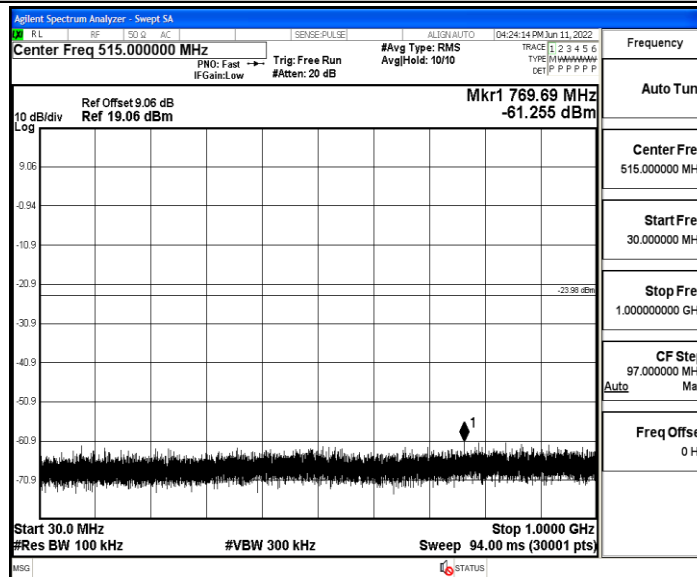
11G_Ant1_2412_1000~26500



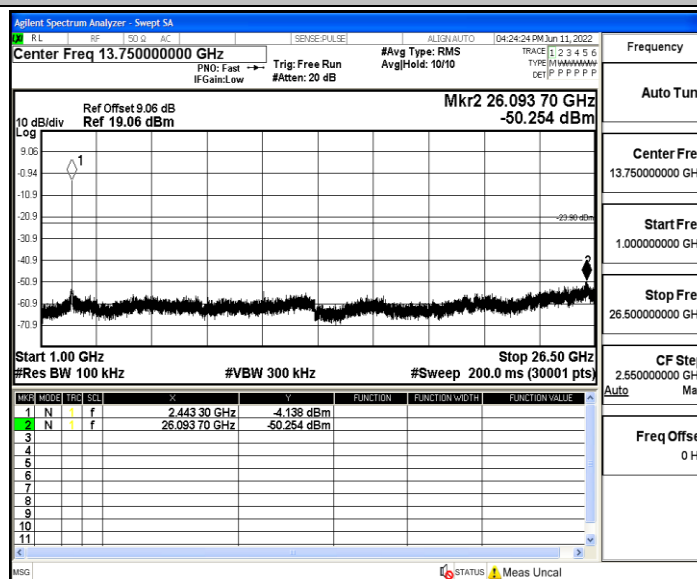
11G_Ant1_2437_0~Reference



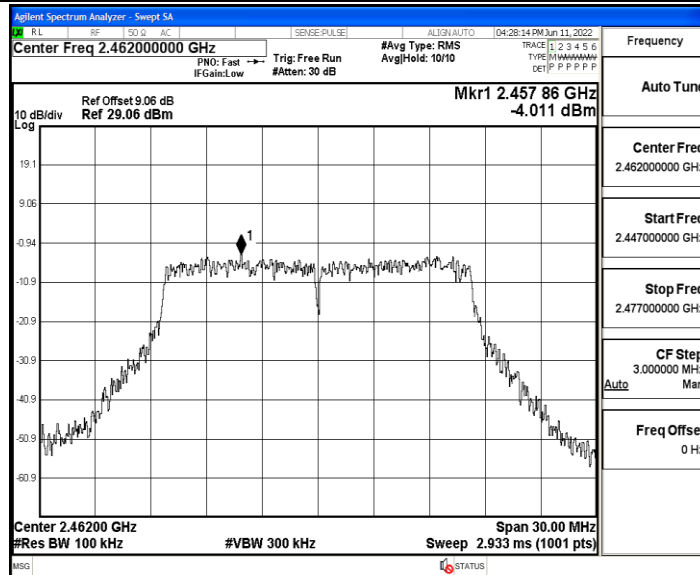
11G_Ant1_2437_30~1000



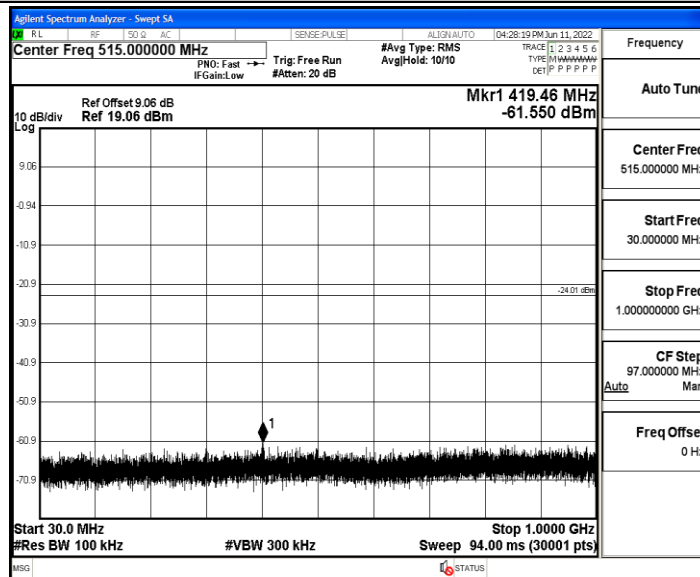
11G_Ant1_2437_1000~26500



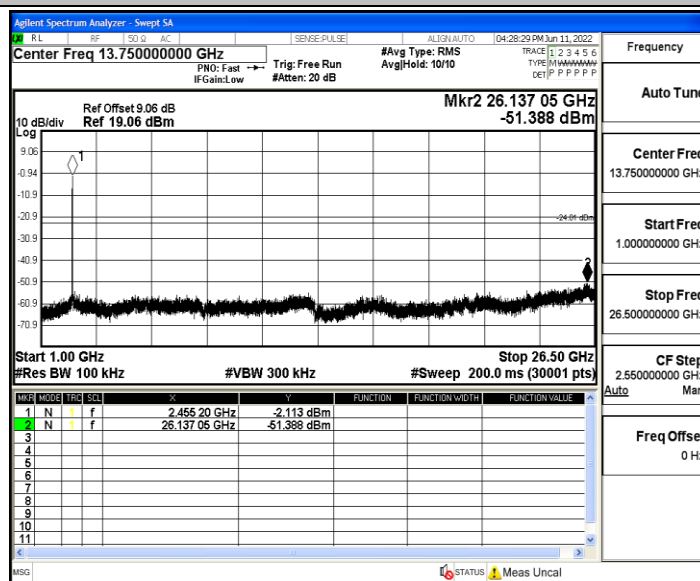
11G_Ant1_2462_0~Reference



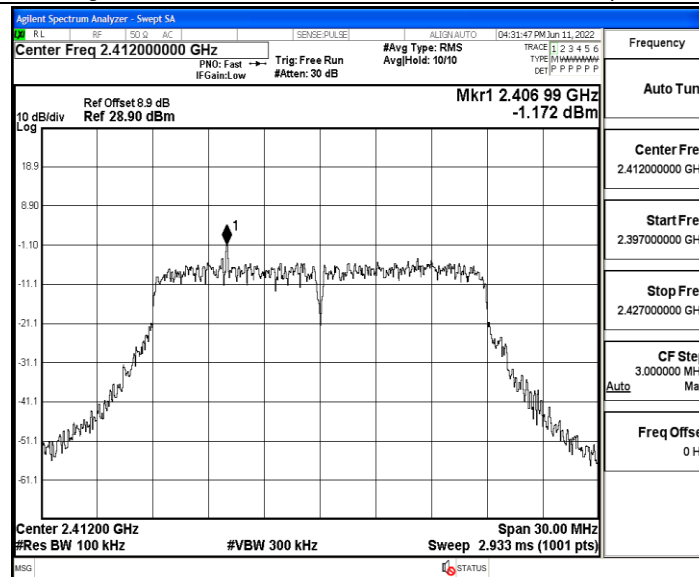
11G_Ant1_2462_30~1000



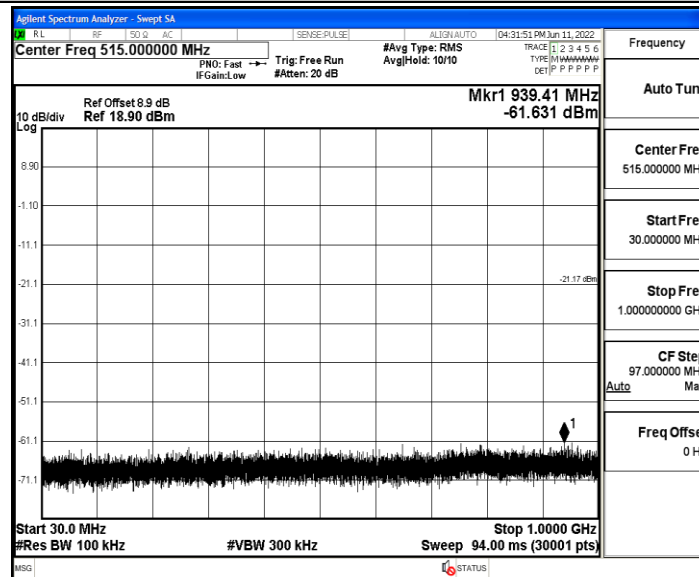
11G_Ant1_2462_1000~26500



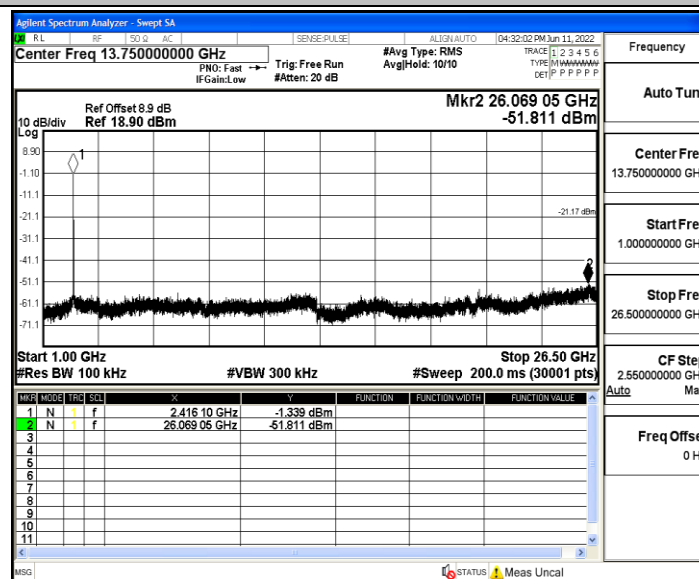
11N20SISO_Ant1_2412_0~Reference



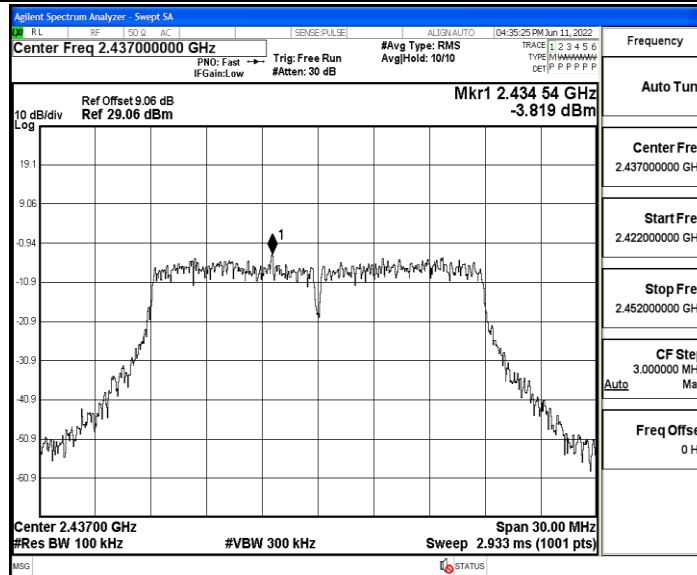
11N20SISO_Ant1_2412_30~1000



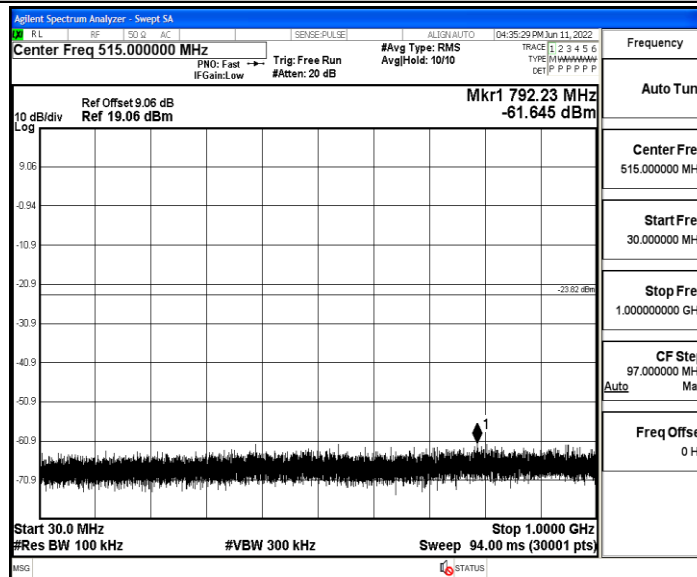
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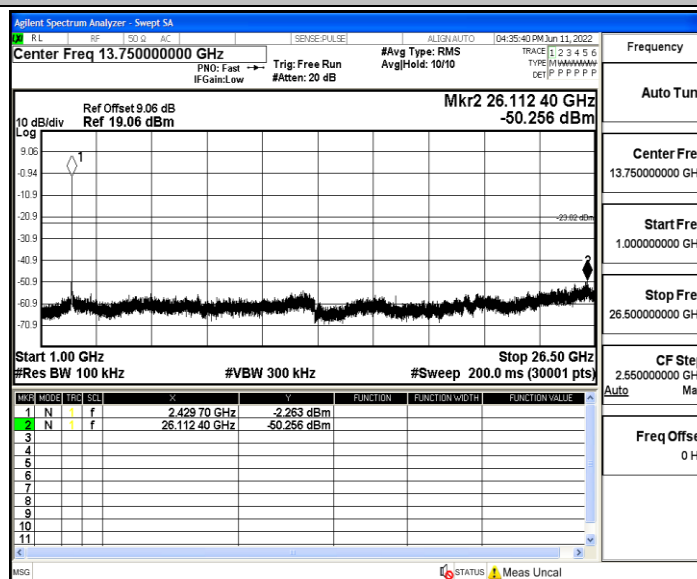
11N20SISO_Ant1_2437_0~Reference



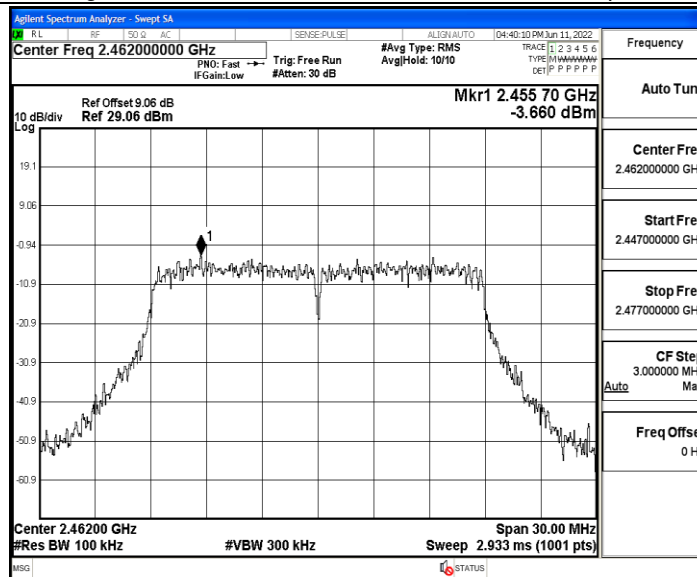
11N20SISO_Ant1_2437_30~1000



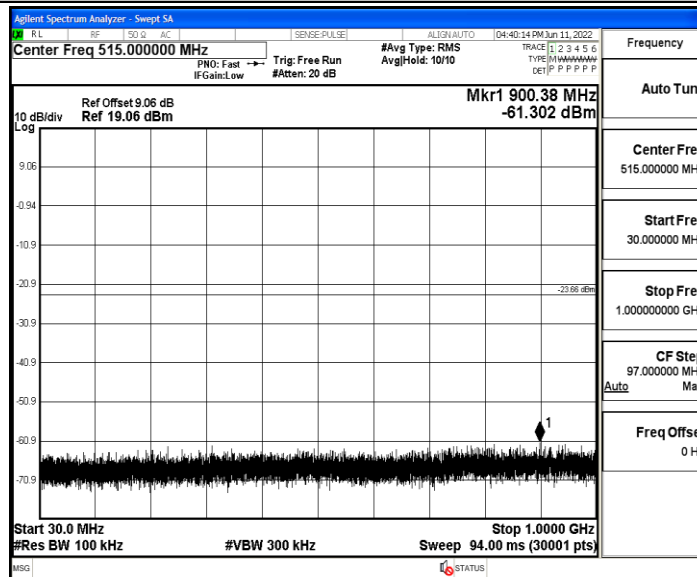
11N20SISO_Ant1_2437_1000~26500



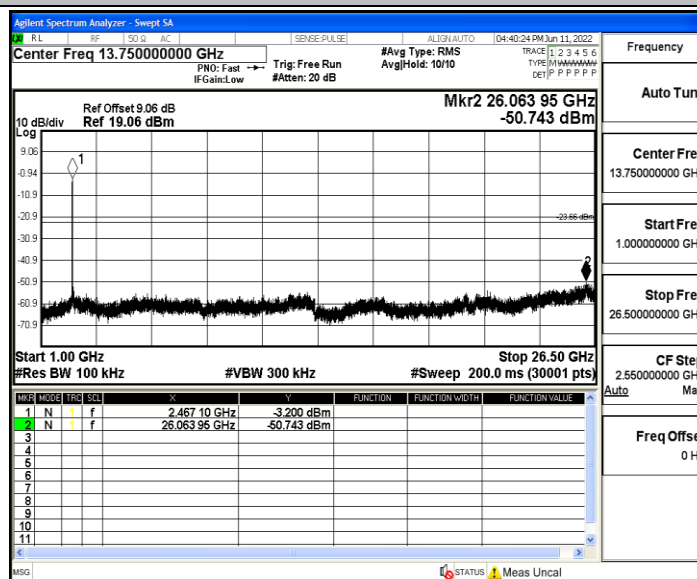
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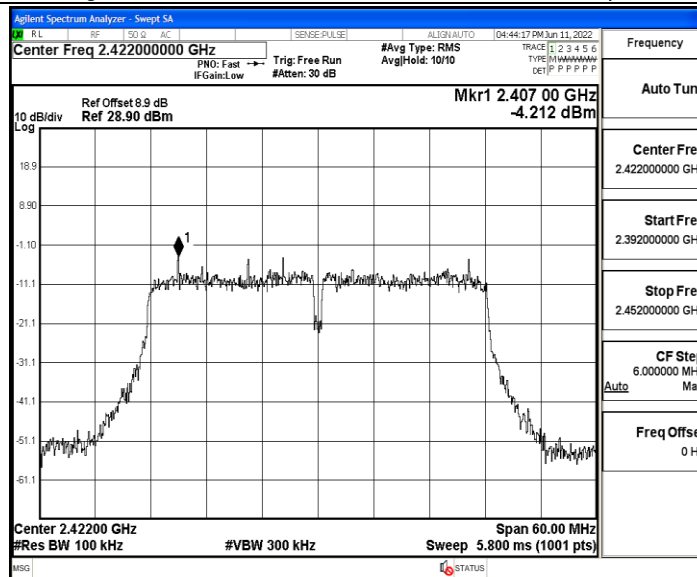
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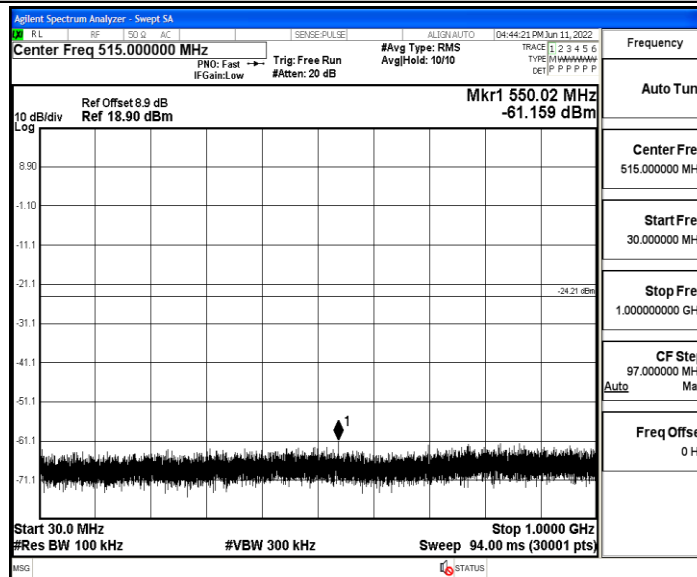
11N20SISO_Ant1_2462_1000~26500



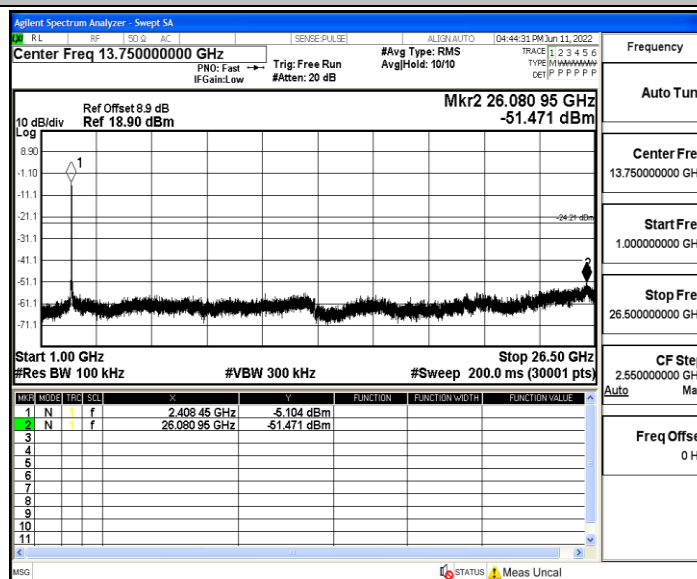
11N40SISO_Ant1_2422_0~Reference



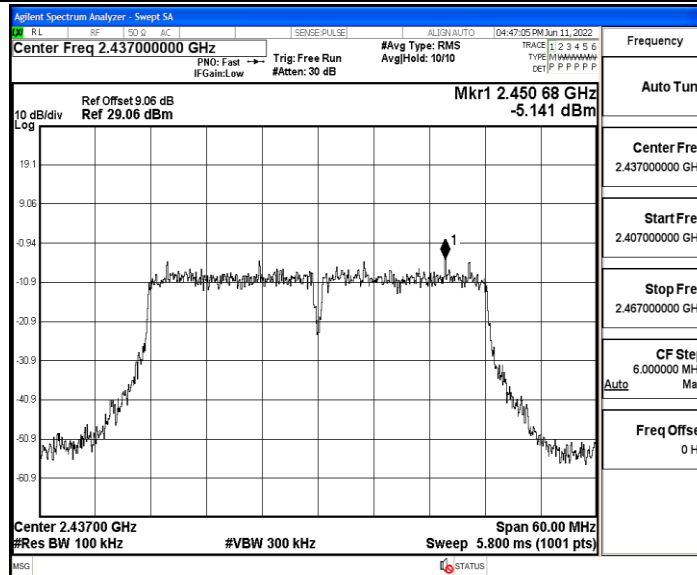
11N40SISO_Ant1_2422_30~1000



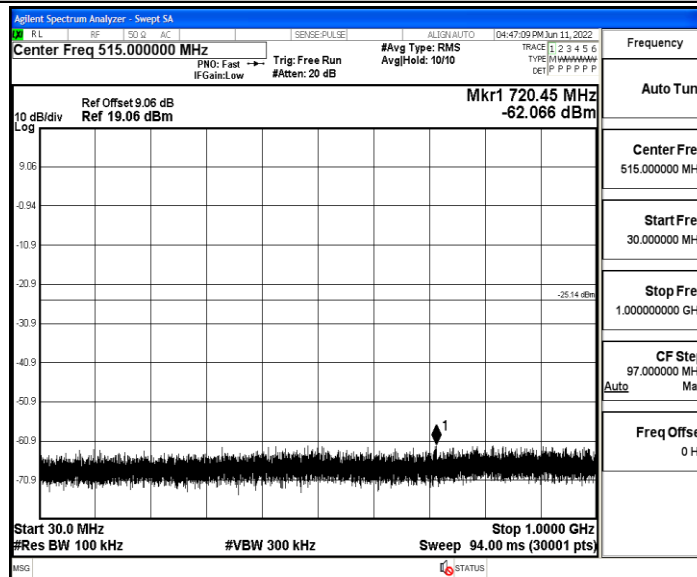
11N40SISO_Ant1_2422_1000~26500



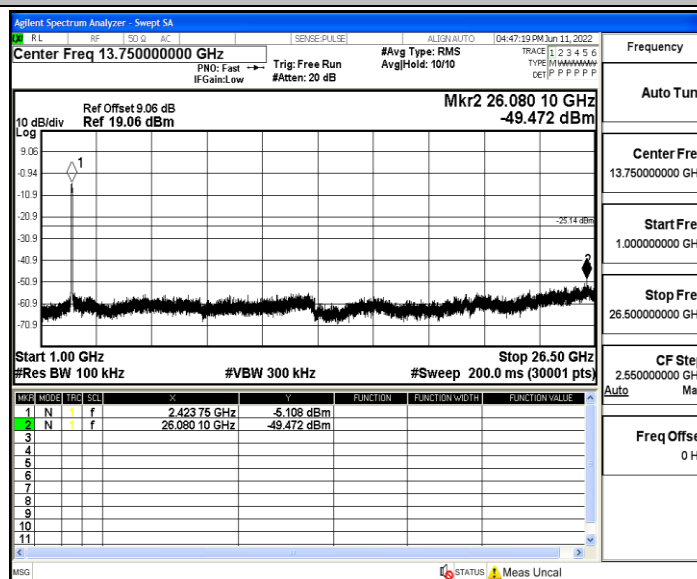
11N40SISO_Ant1_2437_0~Reference



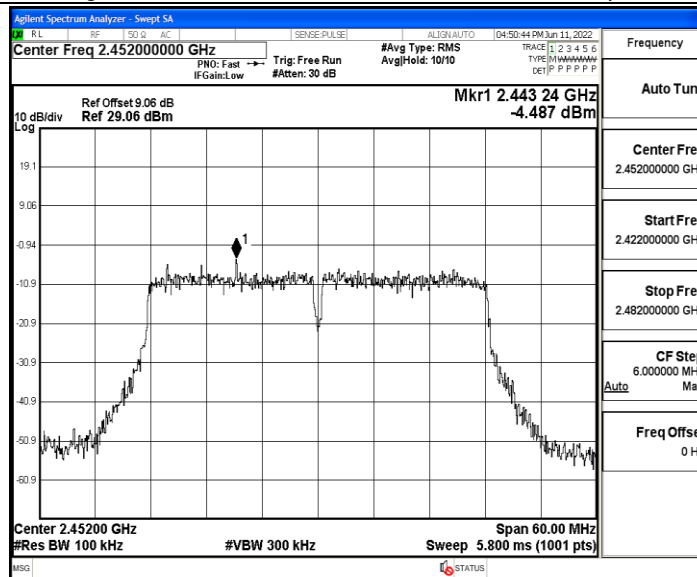
11N40SISO_Ant1_2437_30~1000



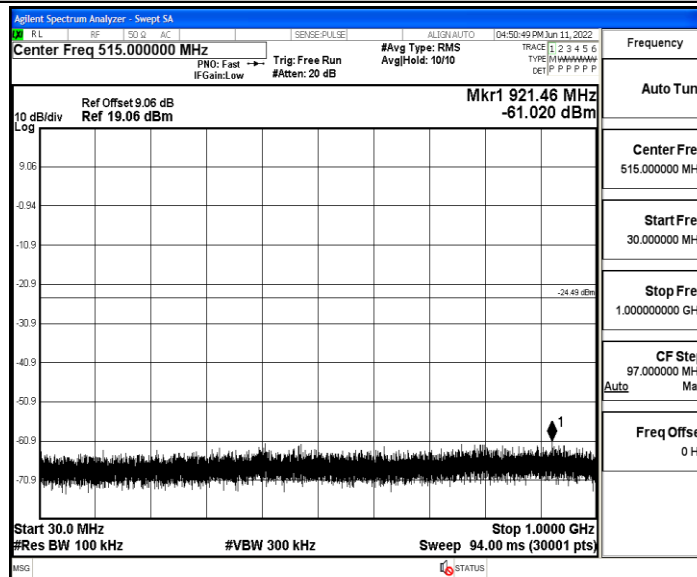
11N40SISO_Ant1_2437_1000~26500



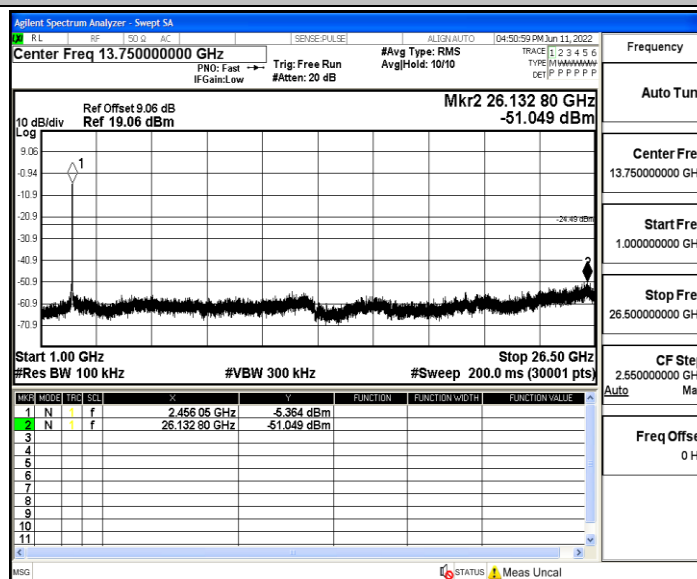
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



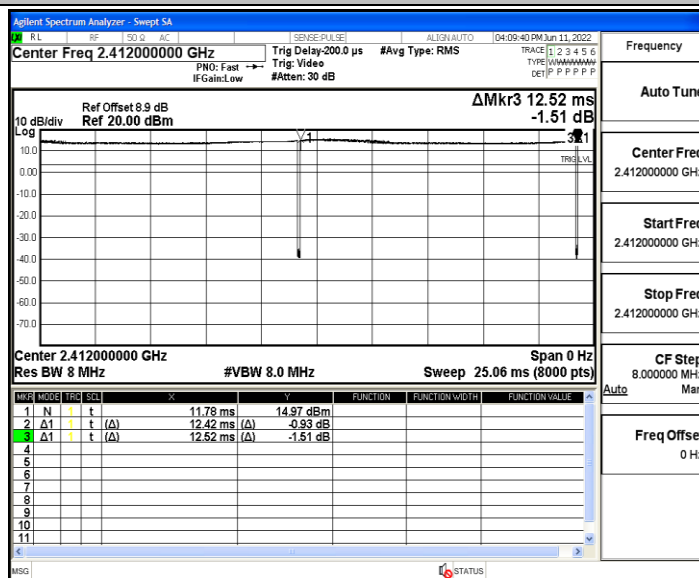
Appendix G: Duty Cycle

Test Result

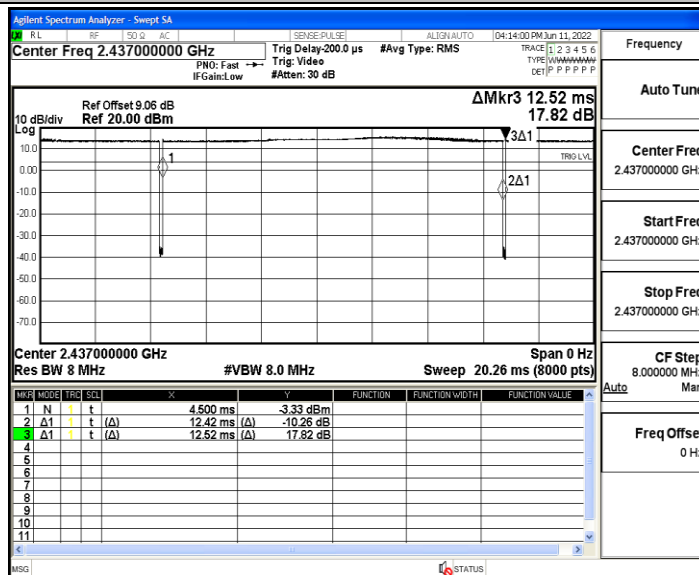
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T
11B	Ant1	2412	12.42	12.52	99.20	0.08
		2437	12.42	12.52	99.20	0.08
		2462	12.42	12.47	99.60	0.08
11G	Ant1	2412	2.07	2.10	98.57	0.48
		2437	2.06	2.12	97.17	0.49
		2462	2.07	2.22	93.24	0.48
11N20SISO	Ant1	2412	1.92	1.99	96.48	0.52
		2437	1.92	2.04	94.12	0.52
		2462	1.92	2.07	92.75	0.52
11N40SISO	Ant1	2422	0.94	1.12	83.93	1.06
		2437	0.94	1.09	86.24	1.06
		2452	0.95	1.12	84.82	1.05

Test Graphs

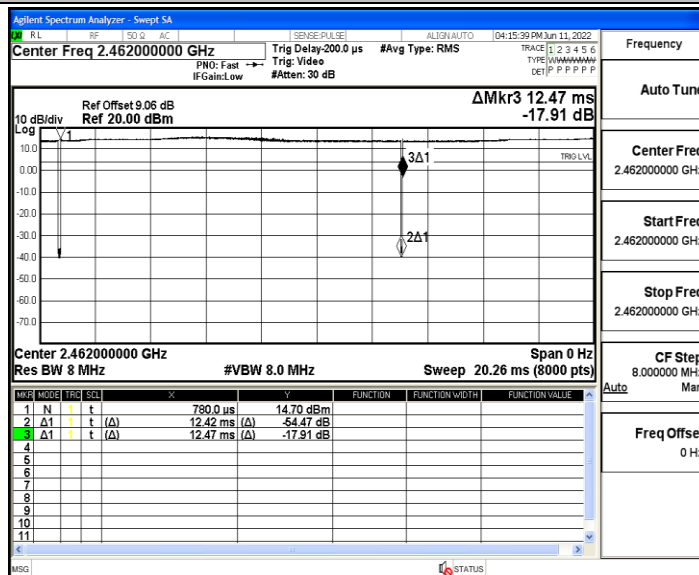
11B_Ant1_2412



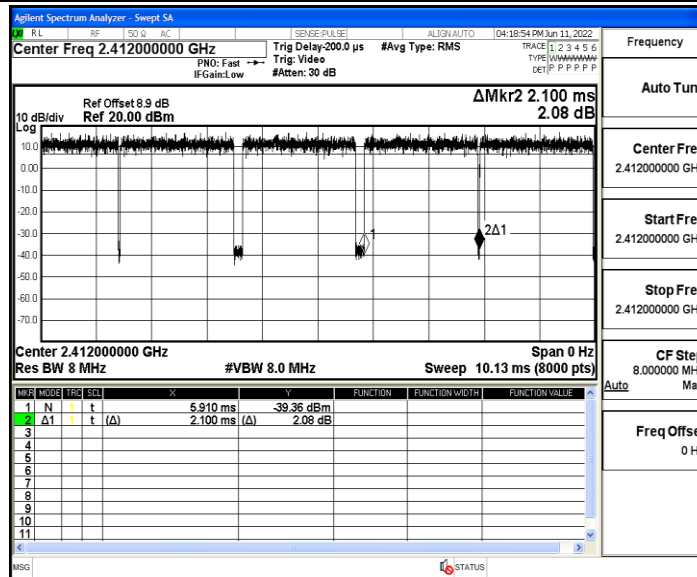
11B_Ant1_2437



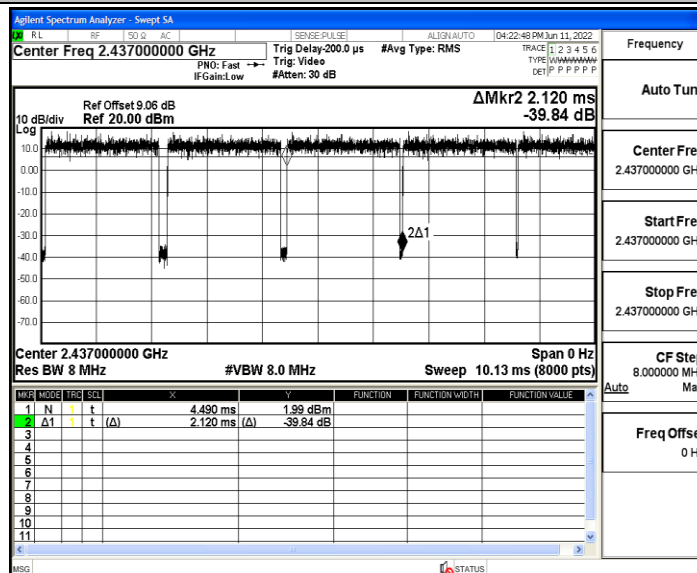
11B_Ant1_2462



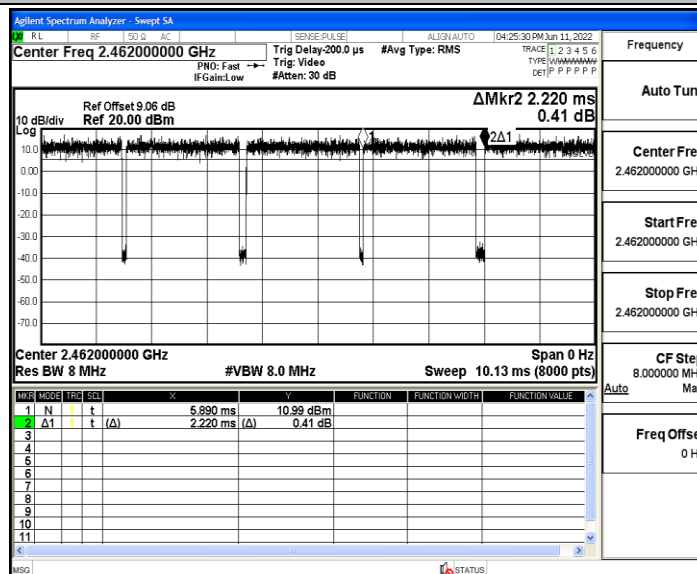
11G_Ant1_2412



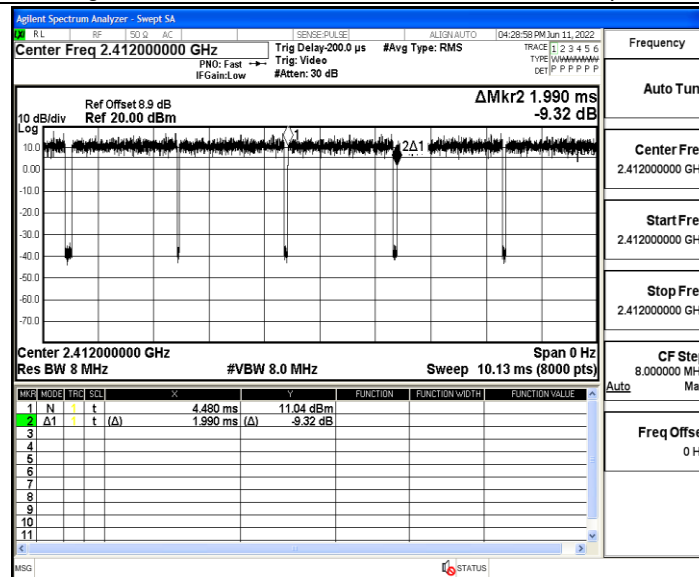
11G_Ant1_2437



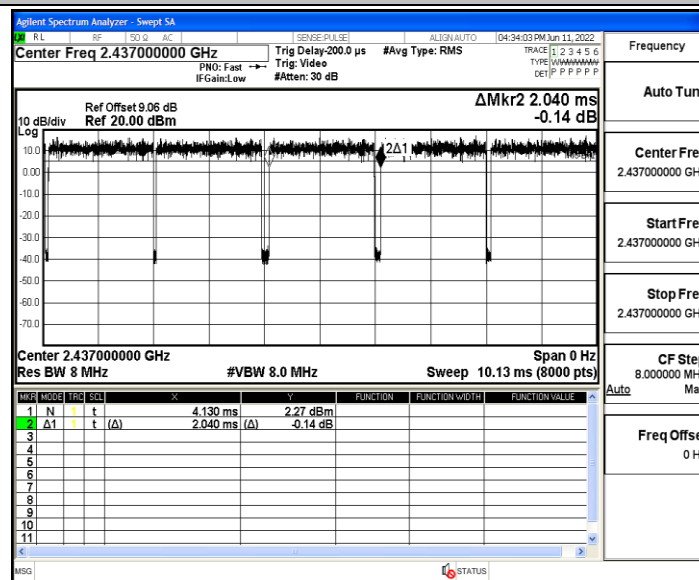
11G_Ant1_2462



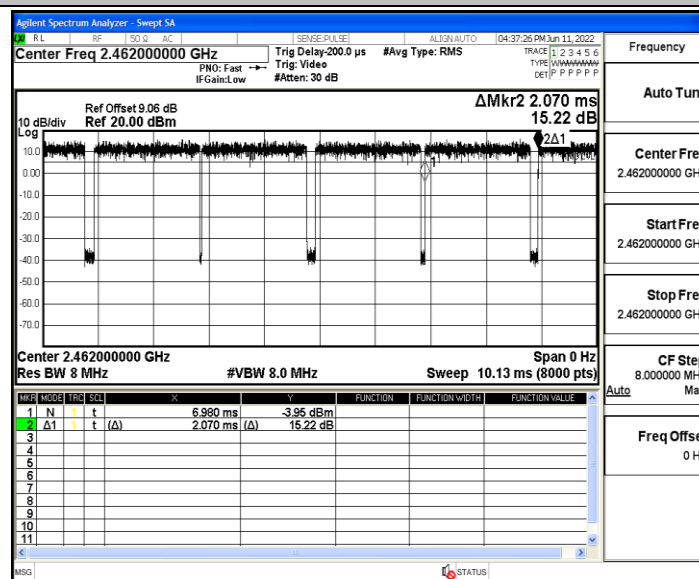
11N20SISO_Ant1_2412



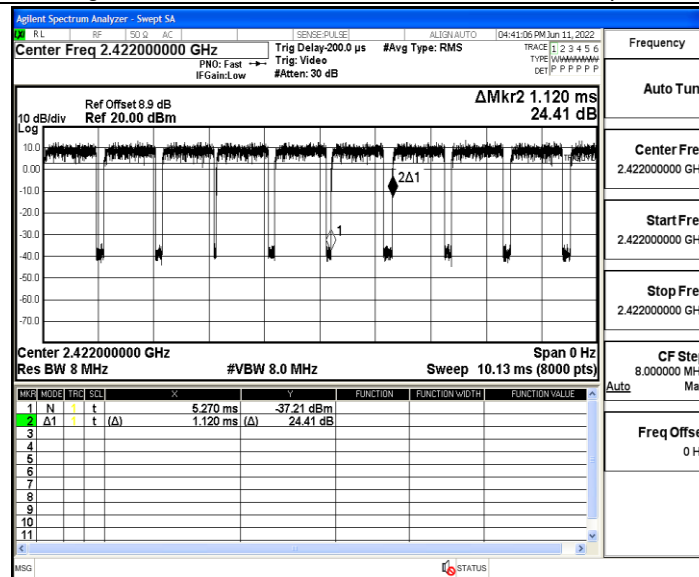
11N20SISO_Ant1_2437



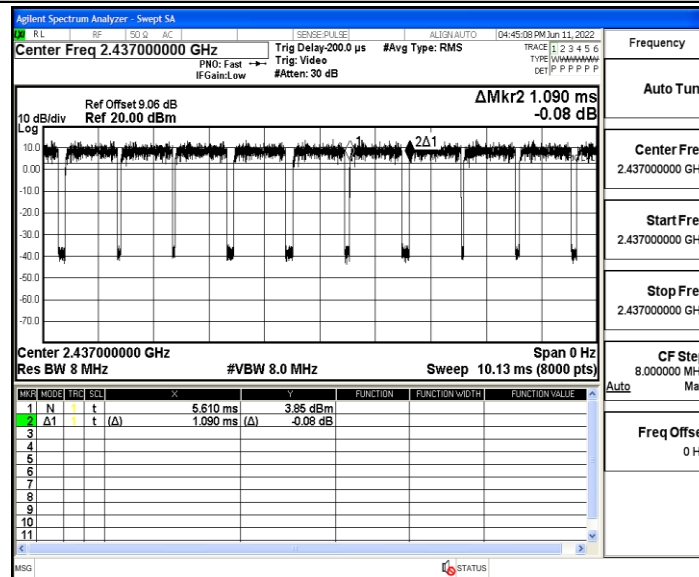
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

