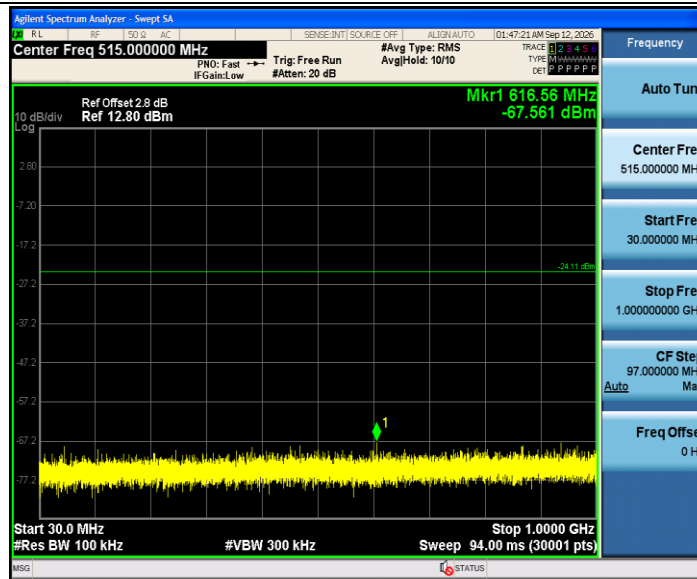
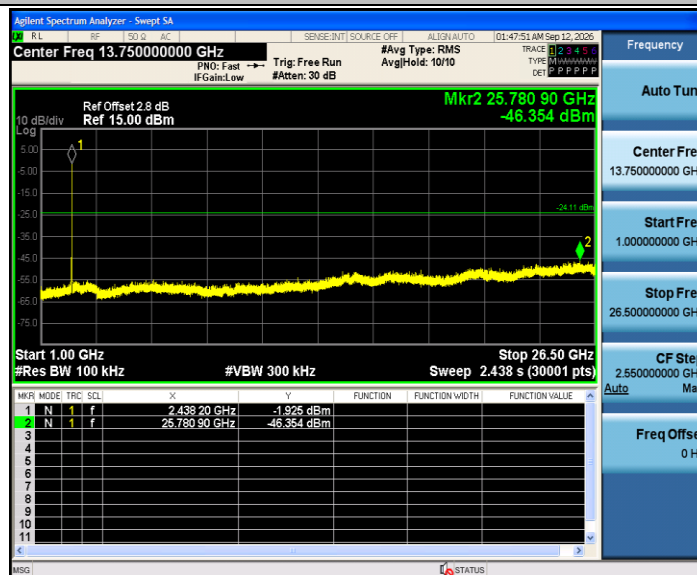
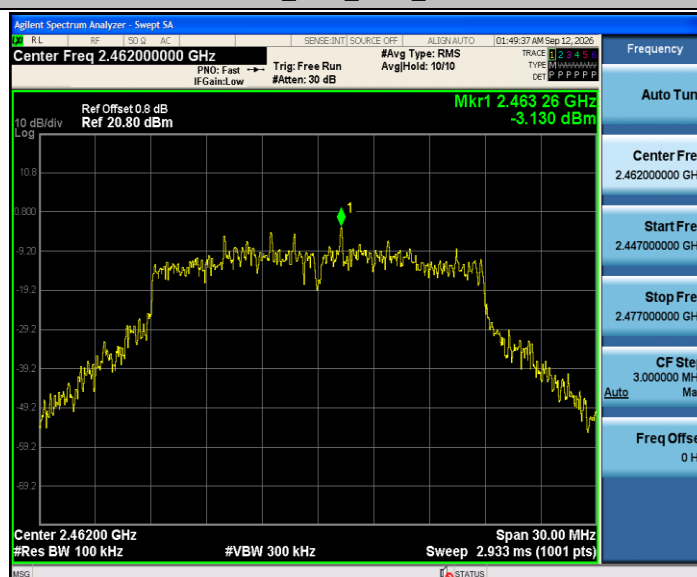




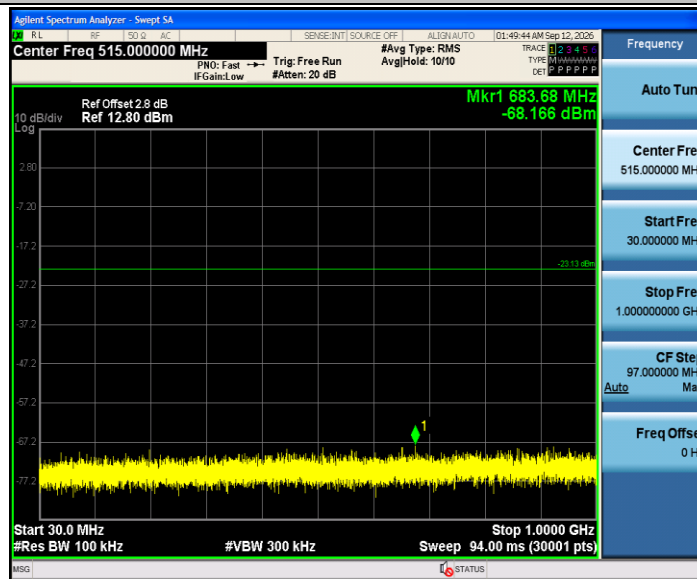
11N20SISO_Ant1_2437_1000~26500



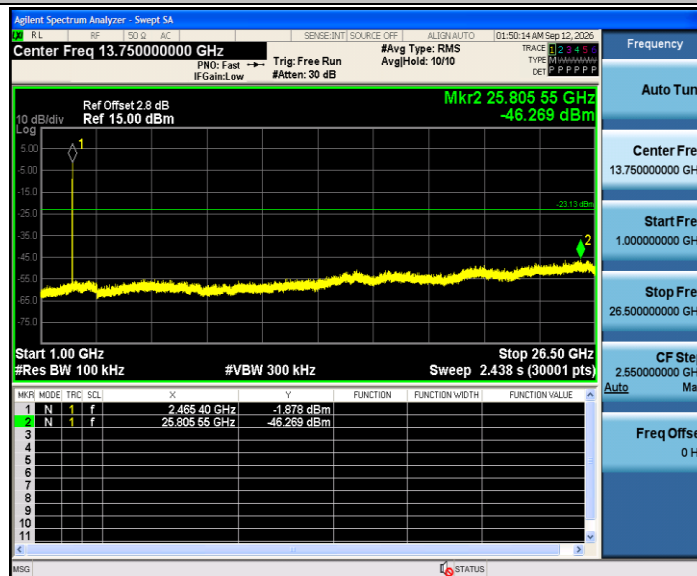
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



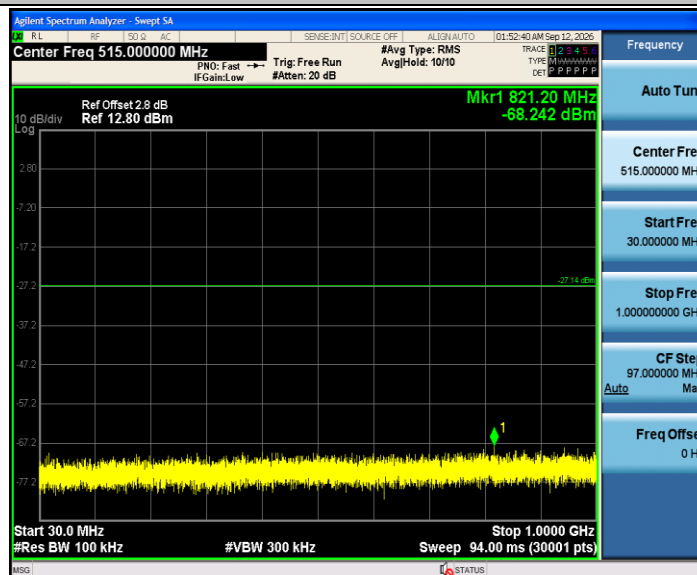
11N20SISO_Ant1_2462_1000~26500



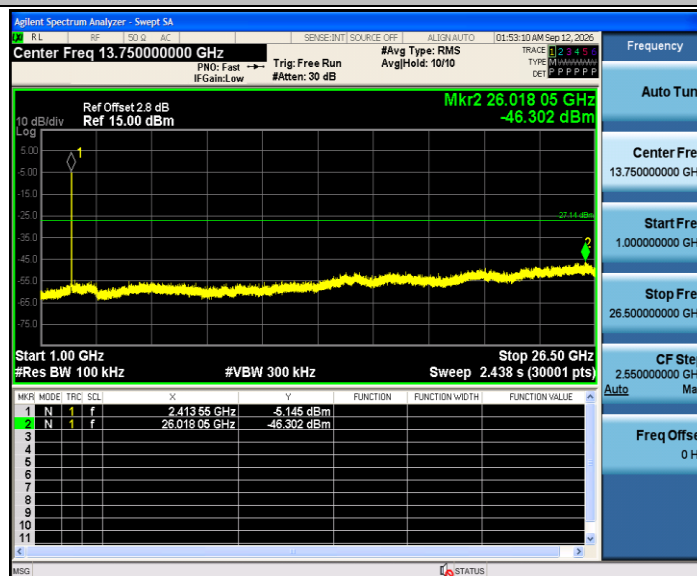
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



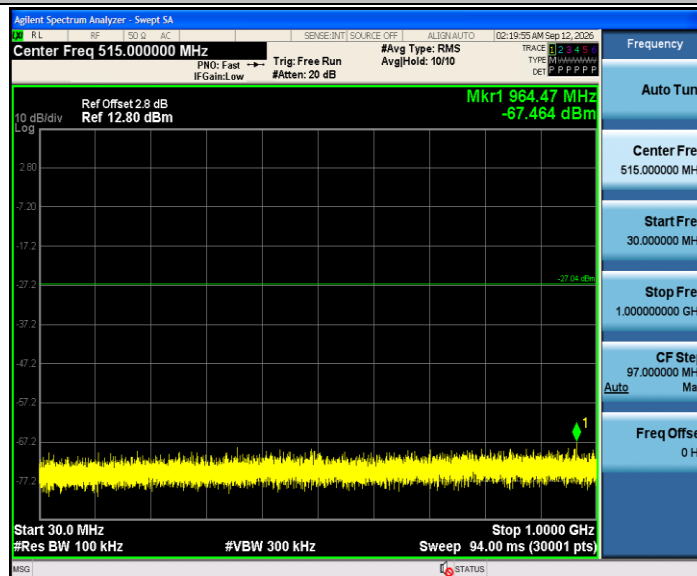
11N40SISO_Ant1_2422_1000~26500



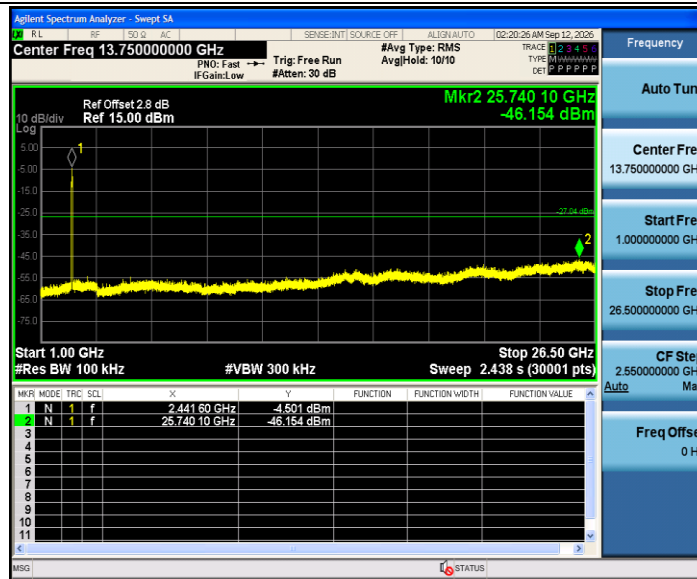
11N40SISO_Ant1_2437_0~Reference



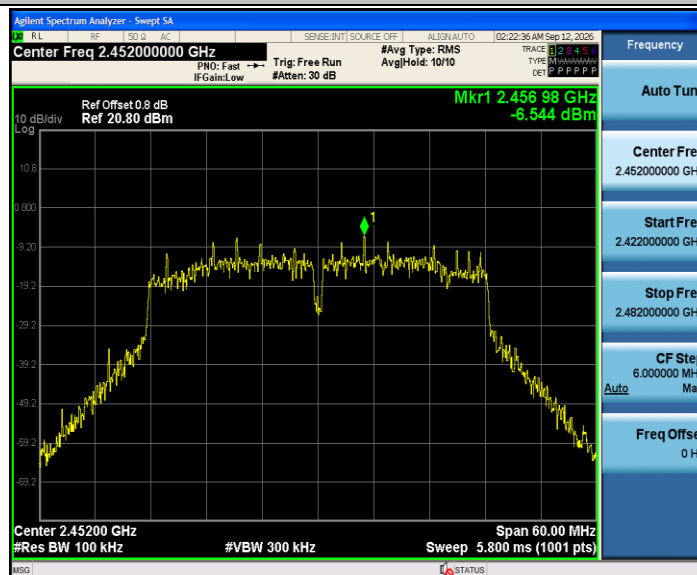
11N40SISO_Ant1_2437_30~1000



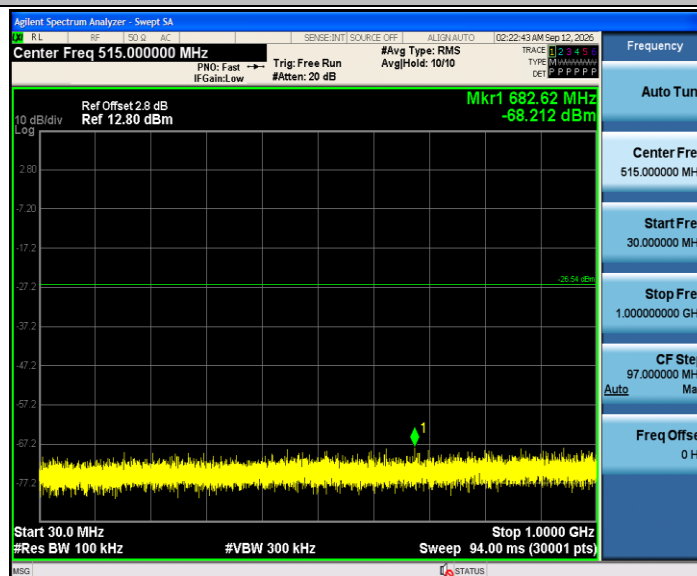
11N40SISO_Ant1_2437_1000~26500



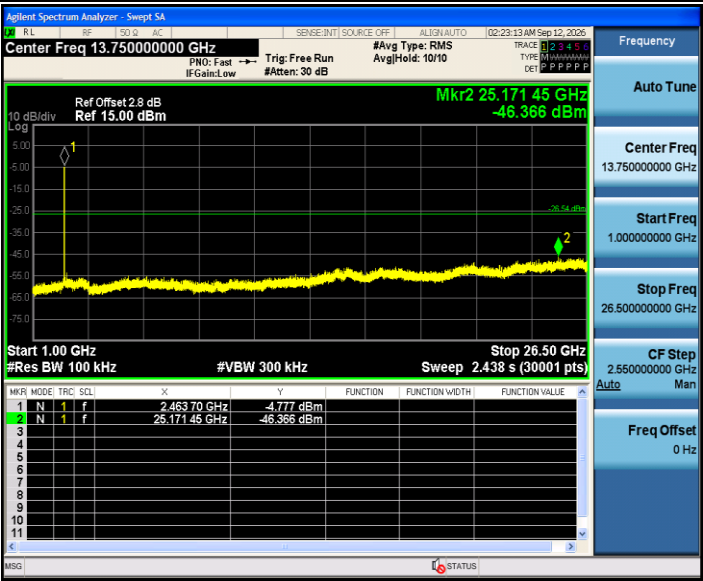
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



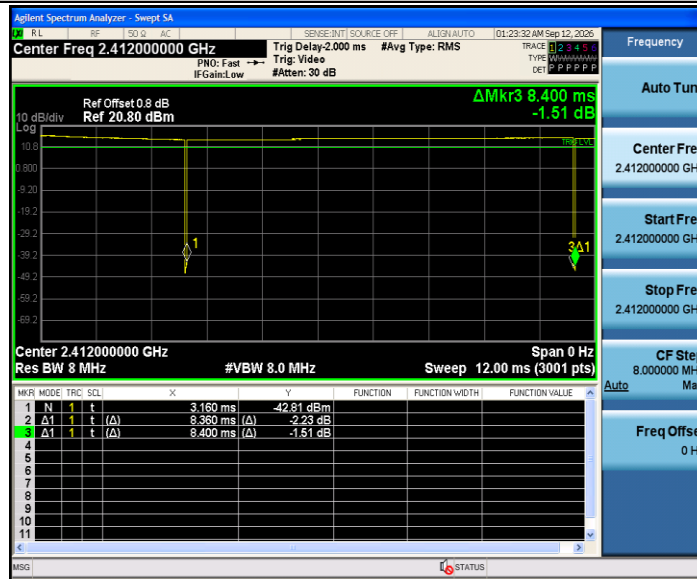
Appendix G: Duty Cycle

Test Result

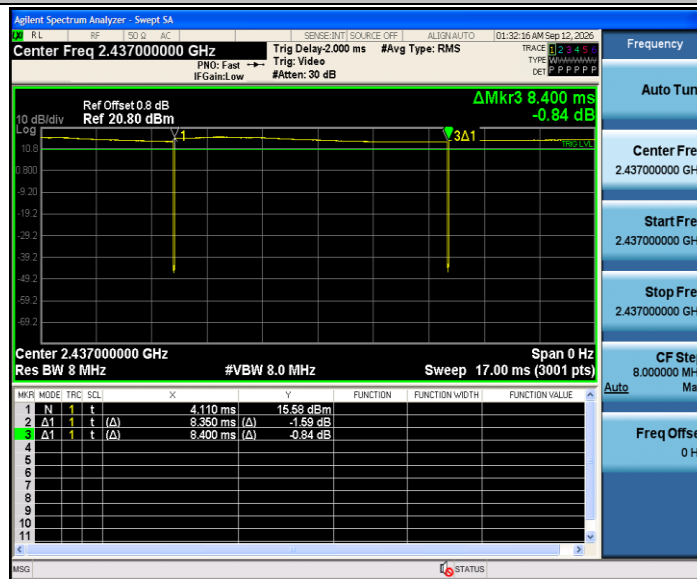
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	T Factor [dB]
11B	Ant1	2412	8.36	8.40	99.52	0.02	0.12
		2437	8.35	8.40	99.40	0.03	0.12
		2462	8.35	8.39	99.52	0.02	0.12
11G	Ant1	2412	0.15	0.19	78.95	1.03	6.67
		2437	0.15	0.20	75.00	1.25	6.67
		2462	0.15	0.20	75.00	1.25	6.67
11N20SISO	Ant1	2412	0.17	0.22	77.27	1.12	5.88
		2437	0.18	0.22	81.82	0.87	5.56
		2462	0.18	0.23	78.26	1.06	5.56
11N40SISO	Ant1	2422	0.18	0.23	78.26	1.06	5.56
		2437	0.18	0.23	78.26	1.06	5.56
		2452	0.18	0.22	81.82	0.87	5.56

Test Graphs

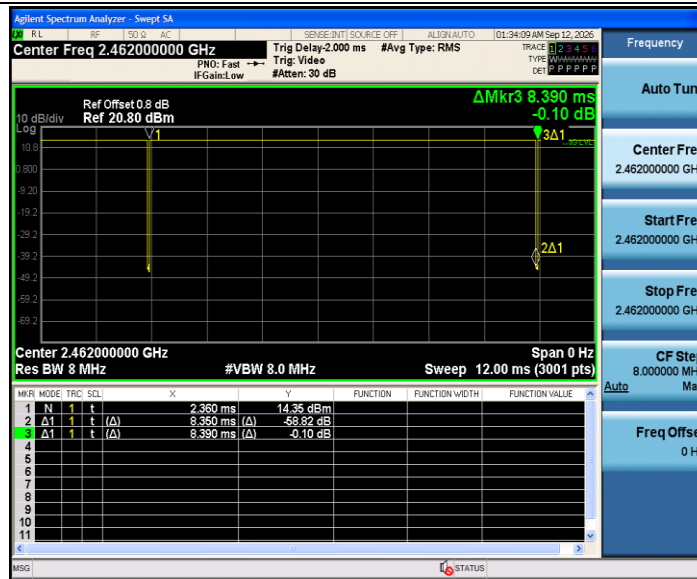
11B_Ant1_2412



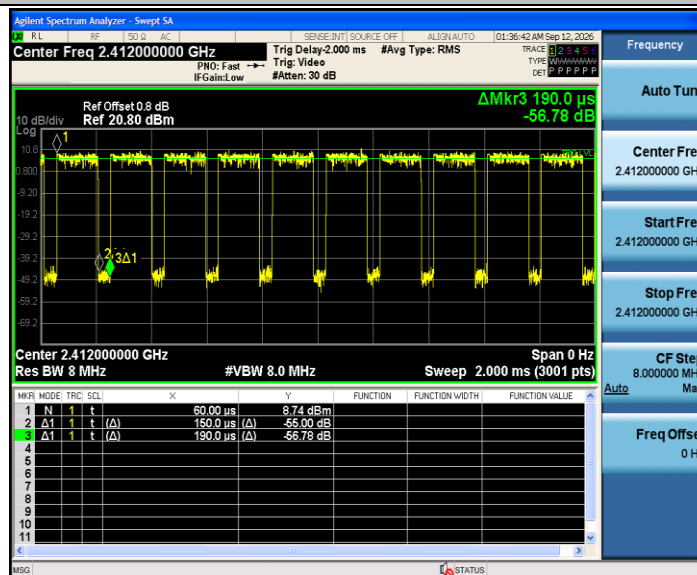
11B_Ant1_2437



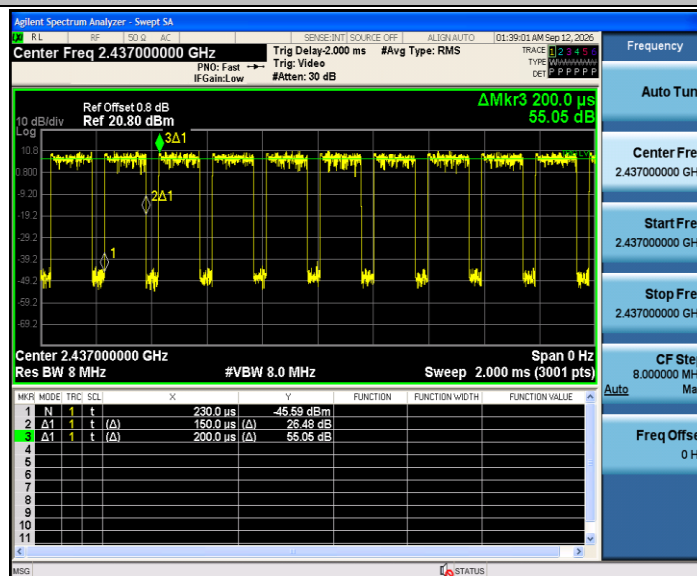
11B_Ant1_2462



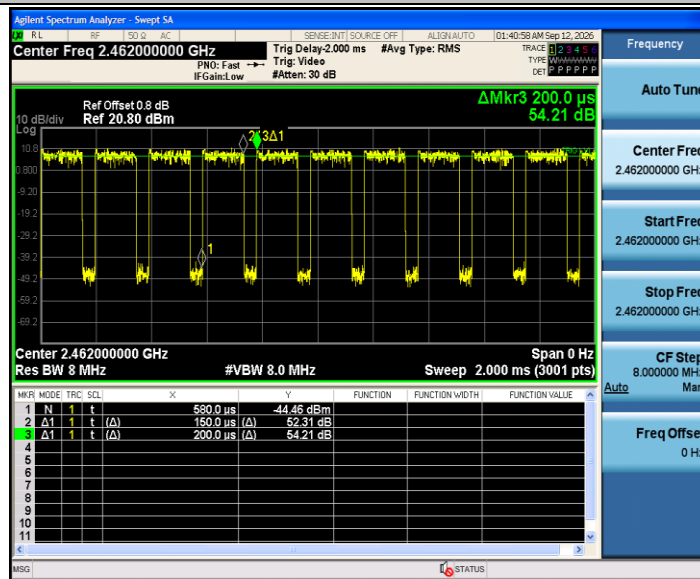
11G_Ant1_2412



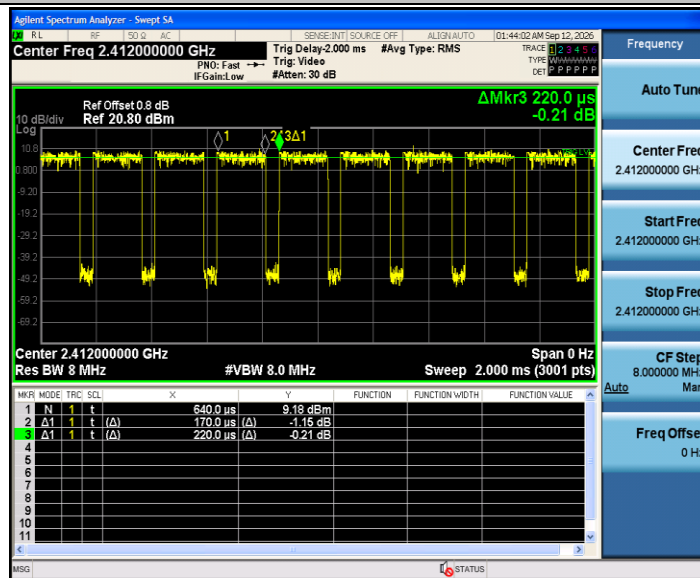
11G_Ant1_2437



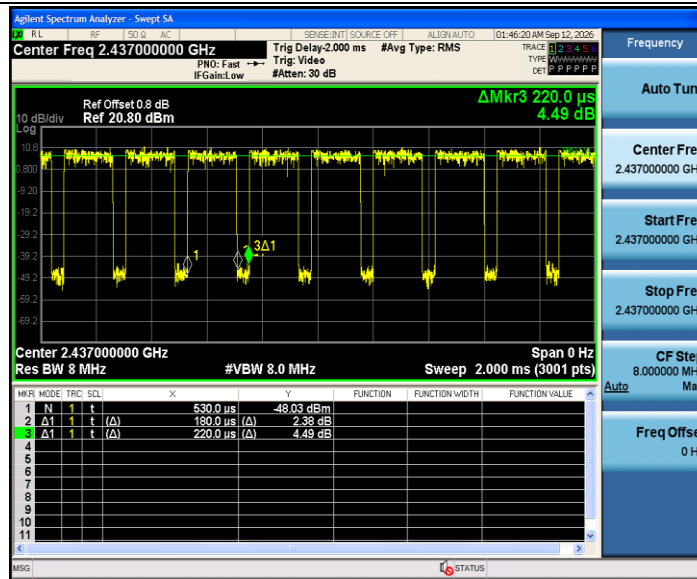
11G_Ant1_2462



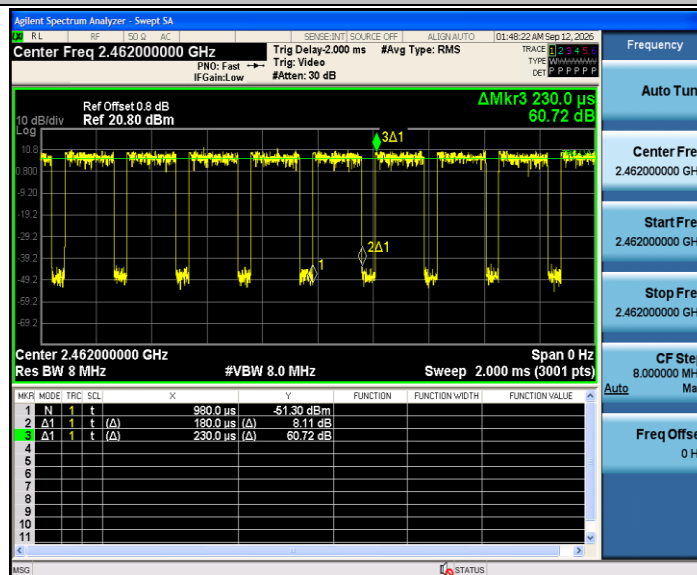
11N20SISO_Ant1_2412



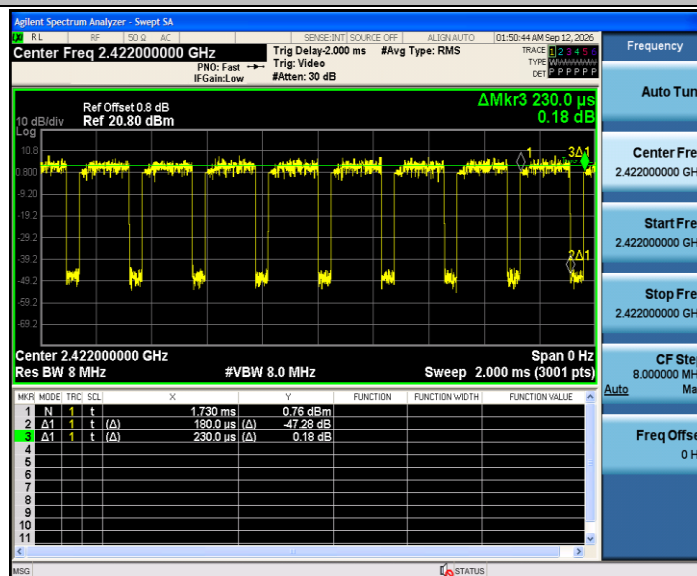
11N20SISO_Ant1_2437



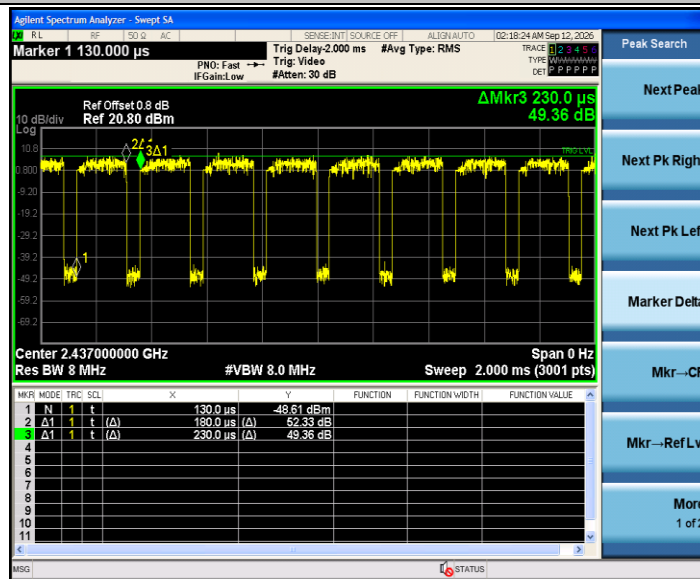
11N20SISO_Ant1_2462



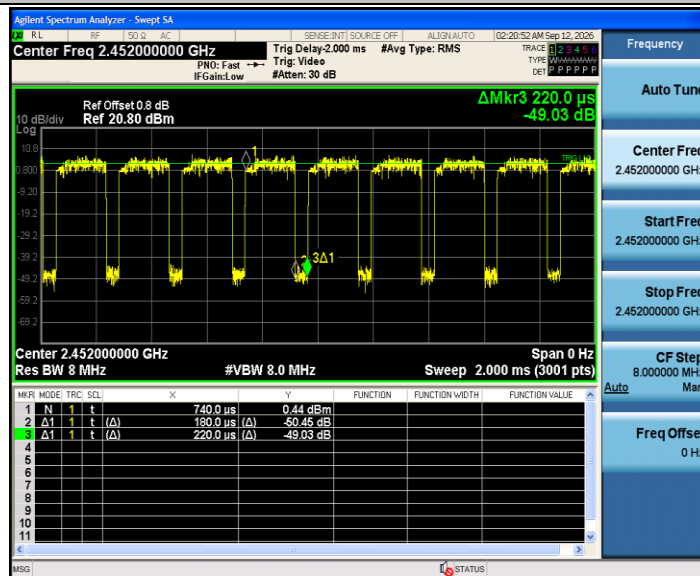
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix H: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-59.59	2.00	0.02	37.63	≤54	PASS
				AV	2386.060	-51.74	2.00	0.02	45.48	≤54	PASS
				AV	2390.000	-55.08	2.00	0.02	42.14	≤54	PASS
				Peak	2310.000	-51.93	2.00	0.00	45.27	≤74	PASS
				Peak	2386.320	-44.28	2.00	0.00	52.92	≤74	PASS
				Peak	2390.000	-45.66	2.00	0.00	51.54	≤74	PASS
		High	2462	AV	2483.500	-55.61	2.00	0.02	41.61	≤54	PASS
				AV	2488.070	-53.94	2.00	0.02	43.28	≤54	PASS
				AV	2500.000	-58.27	2.00	0.02	38.95	≤54	PASS
				Peak	2483.500	-49.14	2.00	0.00	48.06	≤74	PASS
				Peak	2487.520	-46.41	2.00	0.00	50.79	≤74	PASS
				Peak	2500.000	-51.22	2.00	0.00	45.98	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-60.75	2.00	1.03	37.48	≤54	PASS
				AV	2389.310	-58.84	2.00	1.03	39.39	≤54	PASS
				AV	2390.000	-59.77	2.00	1.03	38.46	≤54	PASS
				Peak	2310.000	-51.93	2.00	0.00	45.27	≤74	PASS
				Peak	2331.590	-49.21	2.00	0.00	47.99	≤74	PASS
				Peak	2390.000	-50.71	2.00	0.00	46.49	≤74	PASS
		High	2462	AV	2483.500	-58.51	2.00	1.25	39.94	≤54	PASS
				AV	2483.780	-58.33	2.00	1.25	40.12	≤54	PASS
				AV	2500.000	-59.3	2.00	1.25	39.15	≤54	PASS
				Peak	2483.500	-50.86	2.00	0.00	46.34	≤74	PASS
				Peak	2487.850	-48.24	2.00	0.00	48.96	≤74	PASS
				Peak	2500.000	-49.58	2.00	0.00	47.62	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-59.98	2.00	1.12	38.34	≤54	PASS
				AV	2384.760	-58.65	2.00	1.12	39.67	≤54	PASS
				AV	2390.000	-59.31	2.00	1.12	39.01	≤54	PASS
				Peak	2310.000	-51.99	2.00	0.00	45.21	≤74	PASS
				Peak	2377.220	-48.93	2.00	0.00	48.27	≤74	PASS
				Peak	2390.000	-51.33	2.00	0.00	45.87	≤74	PASS
		High	2462	AV	2483.500	-59.22	2.00	1.06	39.04	≤54	PASS
				AV	2495.990	-58.58	2.00	1.06	39.68	≤54	PASS
				AV	2500.000	-58.95	2.00	1.06	39.31	≤54	PASS
				Peak	2483.500	-51.77	2.00	0.00	45.43	≤74	PASS
				Peak	2490.380	-49.17	2.00	0.00	48.03	≤74	PASS
				Peak	2500.000	-51.62	2.00	0.00	45.58	≤74	PASS

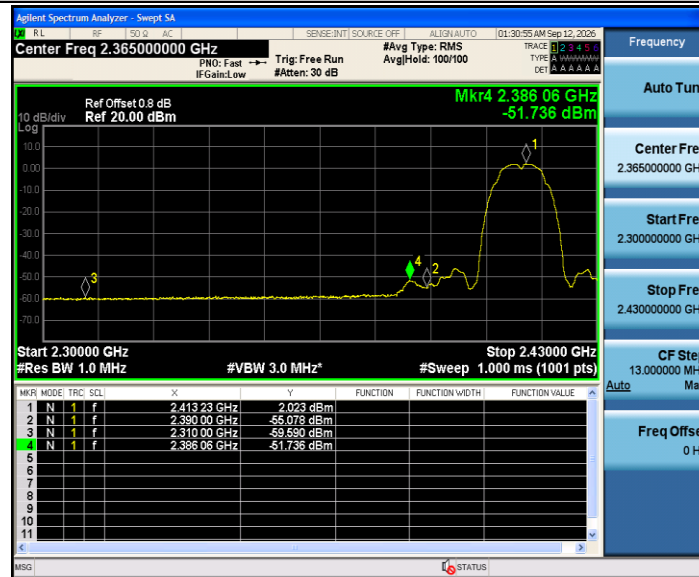
11N40SIS O	Ant1	Low	2422	AV	2310.000	-60.43	2.00	1.06	37.83	≤54	PASS
				AV	2389.850	-58.01	2.00	1.06	40.25	≤54	PASS
				AV	2390.000	-58.5	2.00	1.06	39.76	≤54	PASS
				Peak	2310.000	-51.54	2.00	0.00	45.66	≤74	PASS
				Peak	2384.600	-48.24	2.00	0.00	48.96	≤74	PASS
				Peak	2390.000	-49.75	2.00	0.00	47.45	≤74	PASS
		High	2452	AV	2483.500	-58.79	2.00	0.87	39.28	≤54	PASS
				AV	2484.500	-58.04	2.00	0.87	40.03	≤54	PASS
				AV	2500.000	-59.18	2.00	0.87	38.89	≤54	PASS
				Peak	2483.500	-49.66	2.00	0.00	47.54	≤74	PASS
				Peak	2484.375	-48.41	2.00	0.00	48.79	≤74	PASS
				Peak	2500.000	-50.76	2.00	0.00	46.44	≤74	PASS

Note:

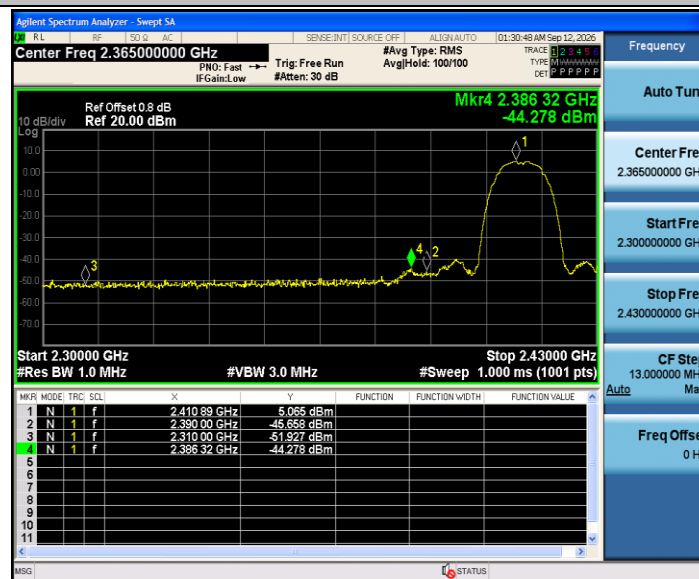
The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

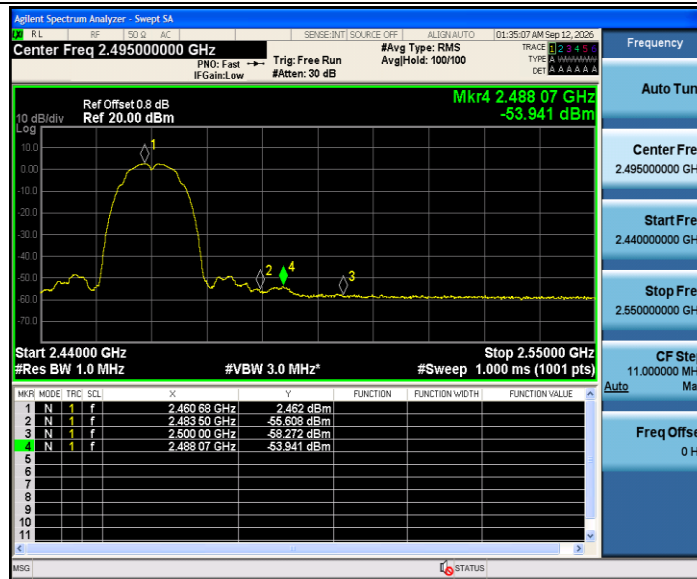
11B_Ant1_Low_2412_AV



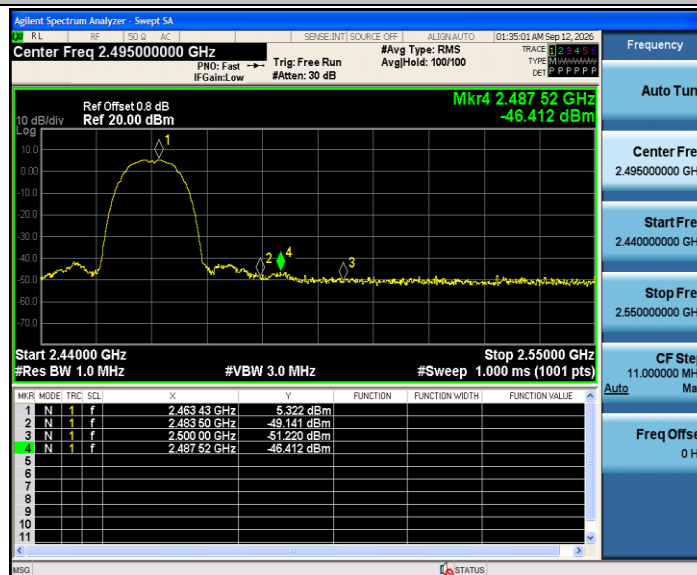
11B_Ant1_Low_2412_Peak



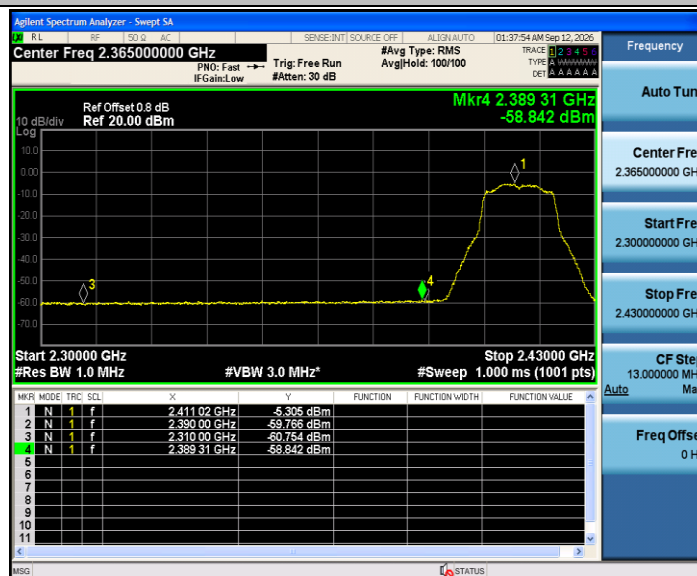
11B_Ant1_High_2462_AV



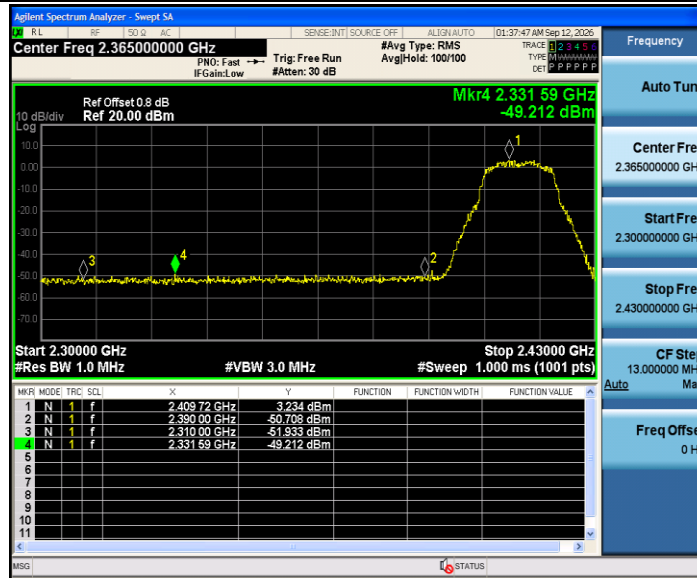
11B_Ant1_High_2462_Peak



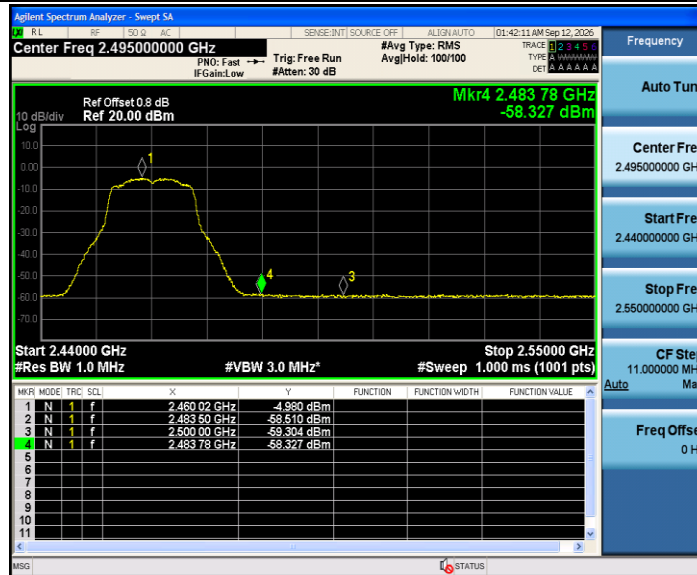
11G_Ant1_Low_2412_AV



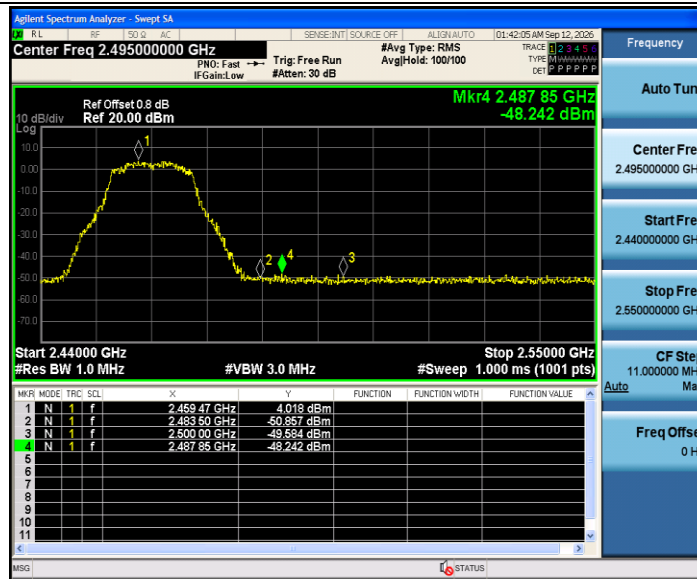
11G_Ant1_Low_2412_Peak



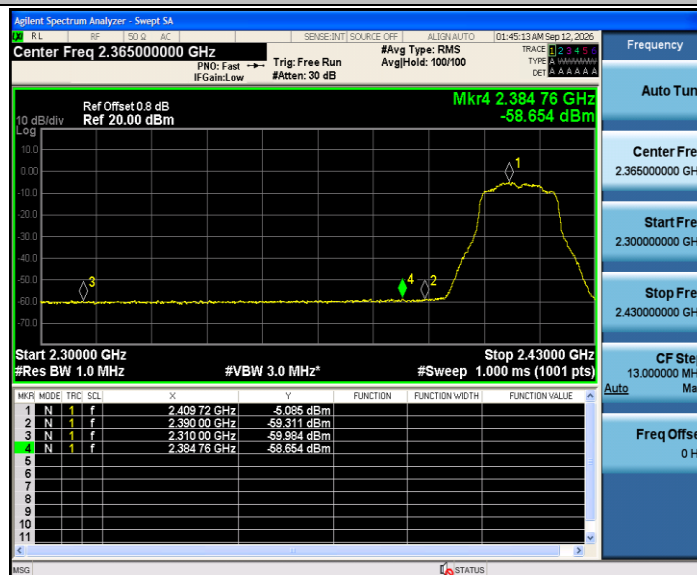
11G_Ant1_High_2462_AV



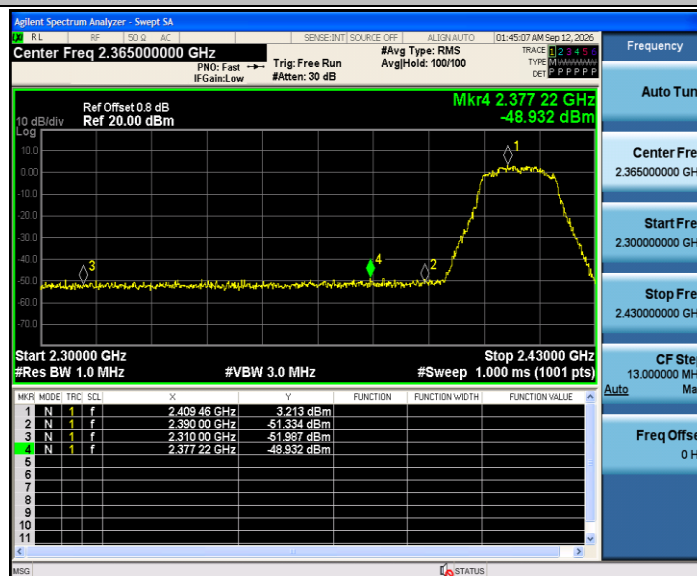
11G_Ant1_High_2462_Peak



11N20SISO_Ant1_Low_2412_AV



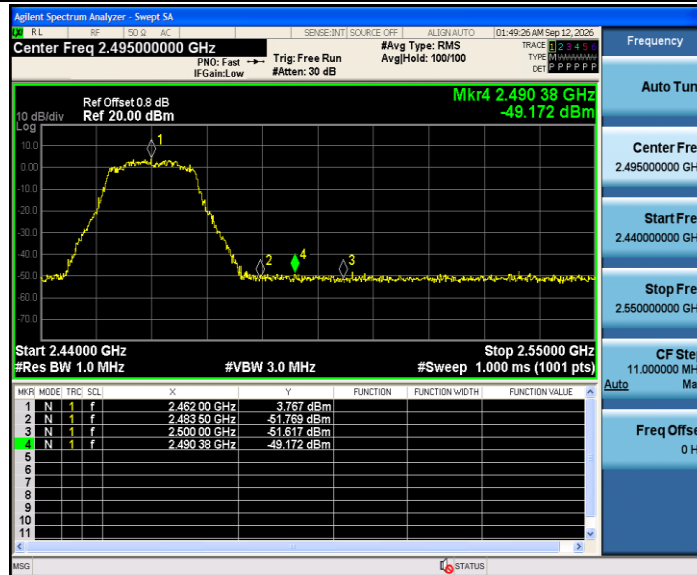
11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



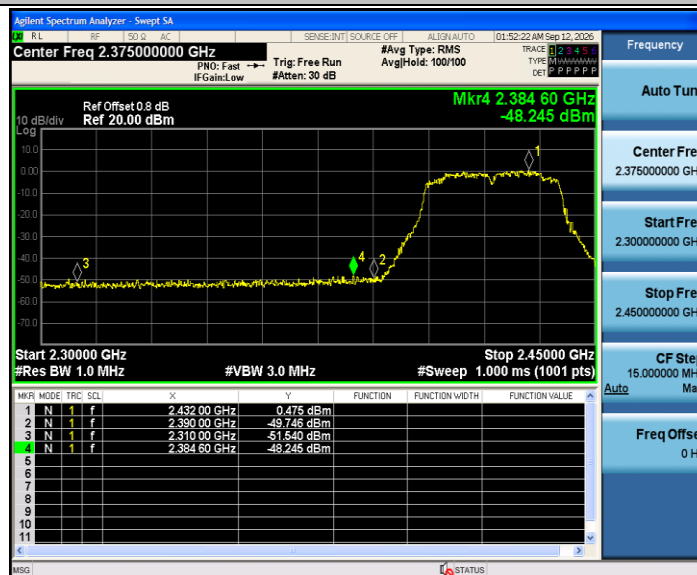
11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV



11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV



11N40SISO_Ant1_High_2452_Peak



Appendix RF Test Data for 2.4GWIFI ANT2

Appendix A: DTS Bandwidth

Test Result

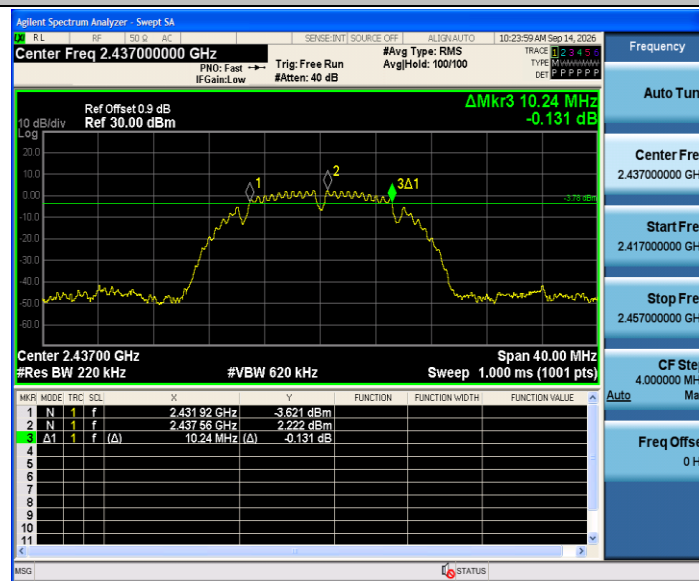
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	10.200	2406.920	2417.120	0.5	PASS
		2437	10.240	2431.920	2442.160	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant2	2412	15.880	2404.120	2420.000	0.5	PASS
		2437	15.920	2429.120	2445.040	0.5	PASS
		2462	15.800	2454.120	2469.920	0.5	PASS
11N20SISO	Ant2	2412	17.440	2403.280	2420.720	0.5	PASS
		2437	16.920	2428.480	2445.400	0.5	PASS
		2462	17.440	2453.280	2470.720	0.5	PASS
11N40SISO	Ant2	2422	35.680	2404.320	2440.000	0.5	PASS
		2437	35.520	2419.480	2455.000	0.5	PASS
		2452	35.680	2434.400	2470.080	0.5	PASS

Test Graphs

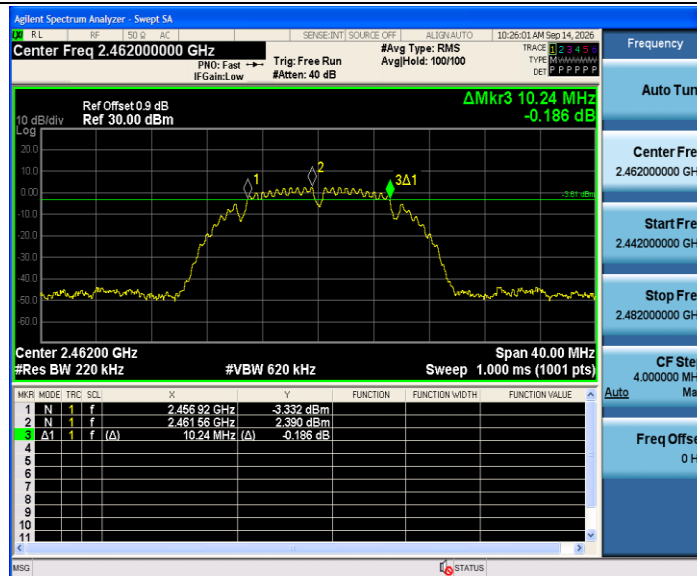
11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



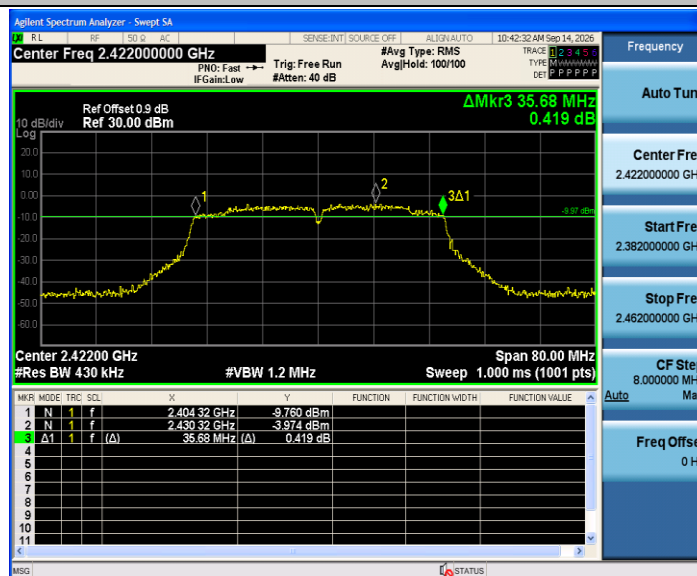
11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



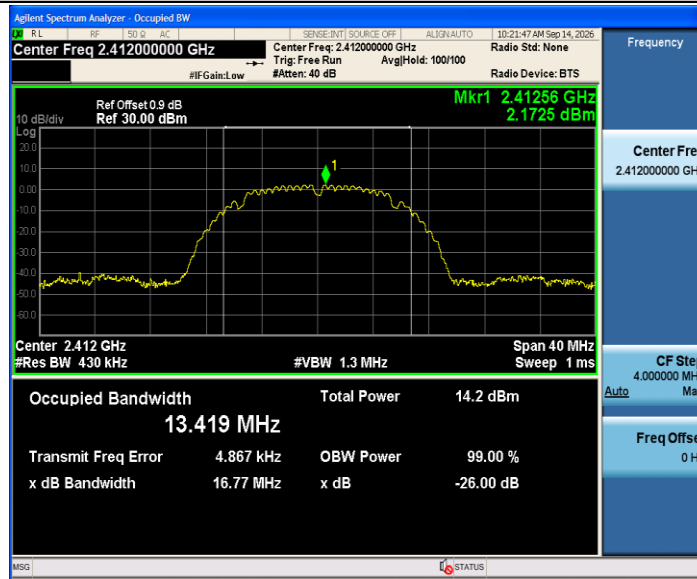
Appendix B: Occupied Channel Bandwidth

Test Result

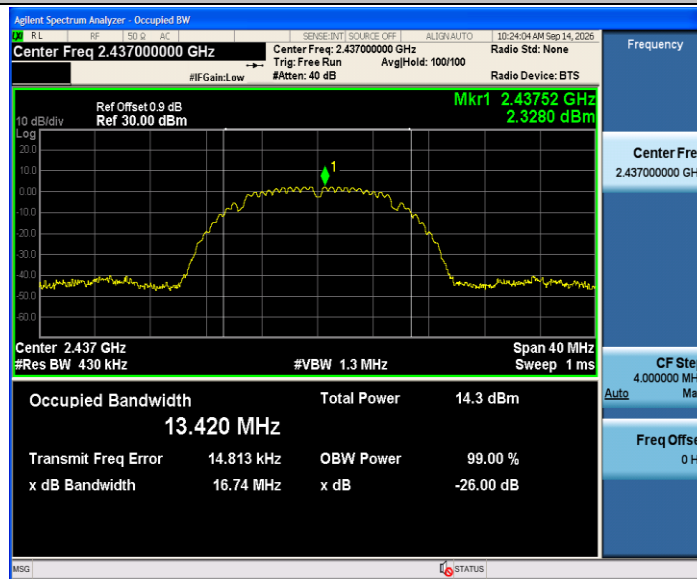
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	13.419	2405.2954	2418.7144	---	---
		2437	13.420	2430.3048	2443.7248	---	---
		2462	13.422	2455.3130	2468.7350	---	---
11G	Ant2	2412	16.849	2403.5784	2420.4274	---	---
		2437	16.862	2428.5886	2445.4506	---	---
		2462	16.873	2453.5893	2470.4623	---	---
11N20SISO	Ant2	2412	17.906	2403.0574	2420.9634	---	---
		2437	17.932	2428.0828	2446.0148	---	---
		2462	17.972	2453.0505	2471.0225	---	---
11N40SISO	Ant2	2422	36.065	2404.1095	2440.1745	---	---
		2437	36.057	2419.1023	2455.1593	---	---
		2452	36.079	2434.1105	2470.1895	---	---

Test Graphs

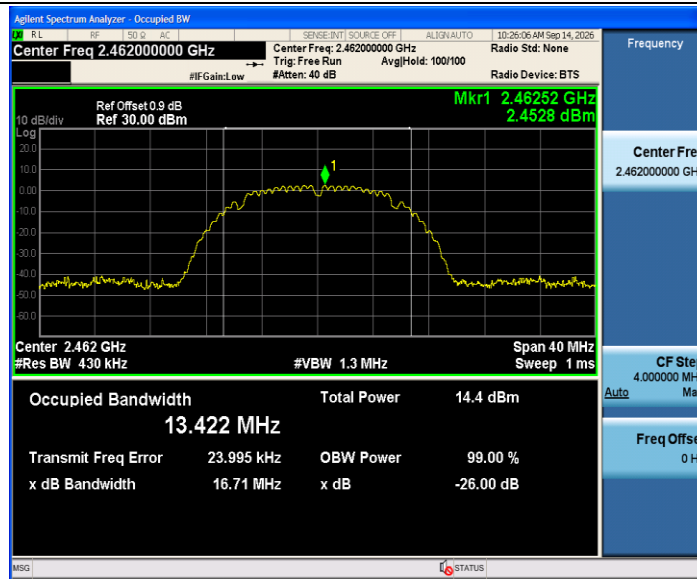
11B_Ant2_2412



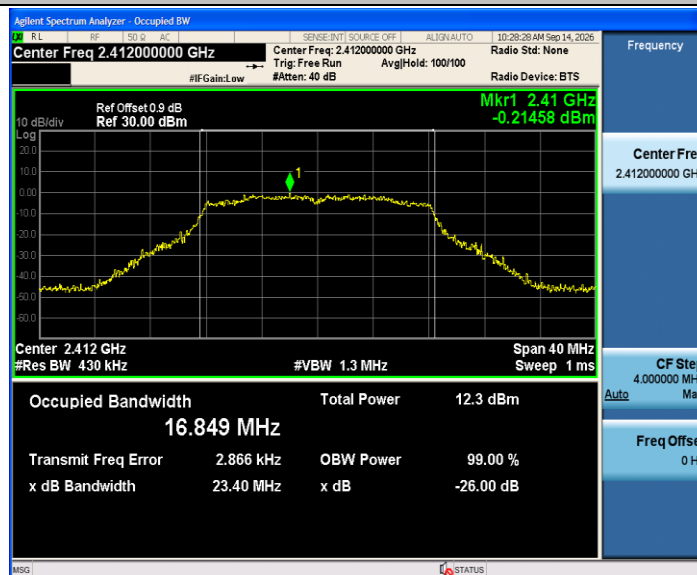
11B_Ant2_2437



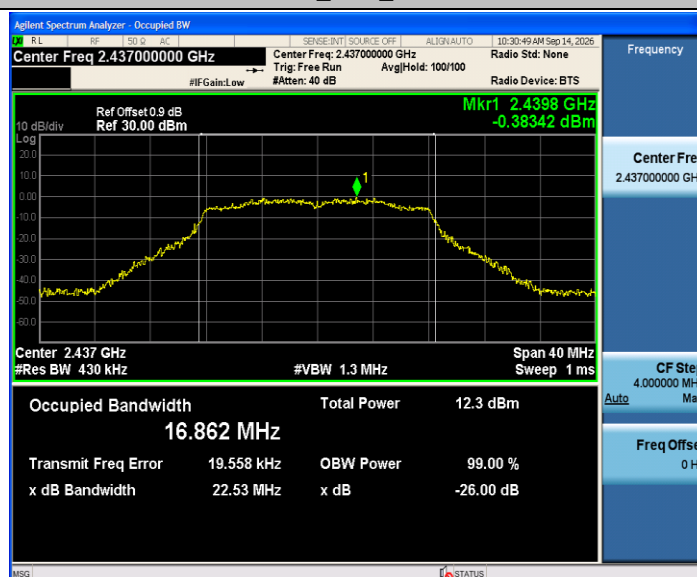
11B_Ant2_2462



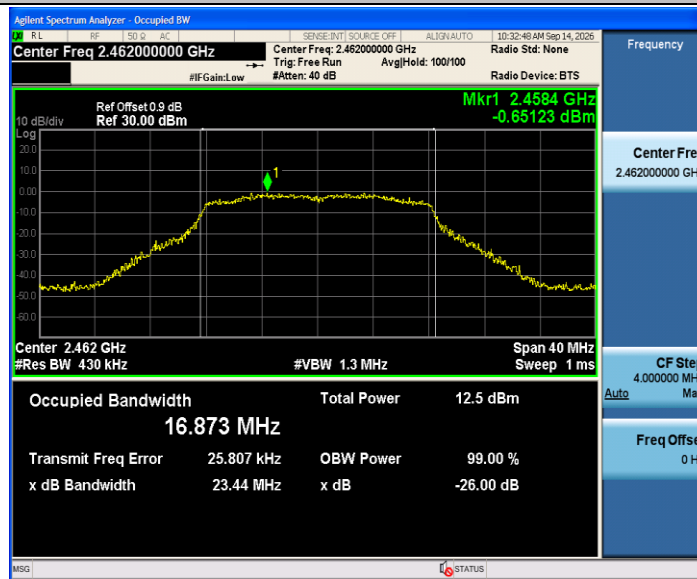
11G_Ant2_2412



11G_Ant2_2437



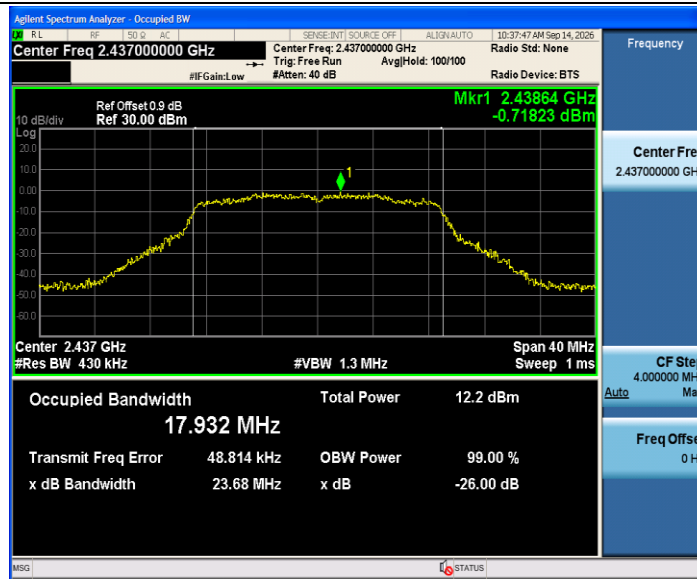
11G_Ant2_2462



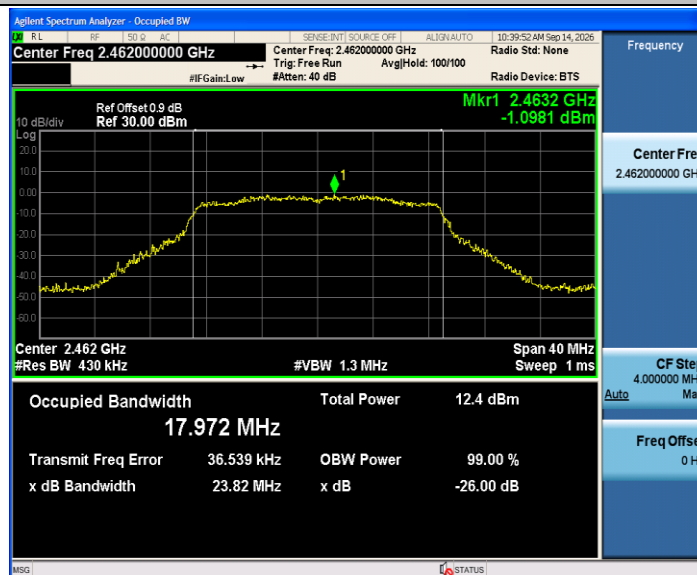
11N20SISO_Ant2_2412



11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



11N40SISO_Ant2_2422

