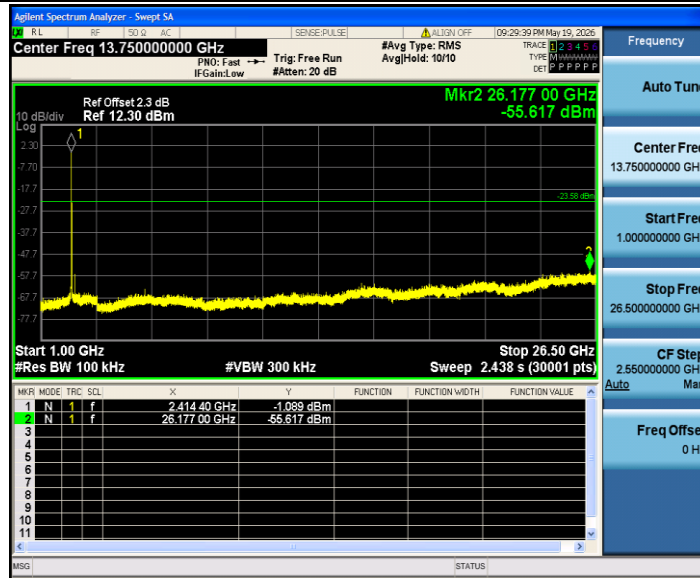


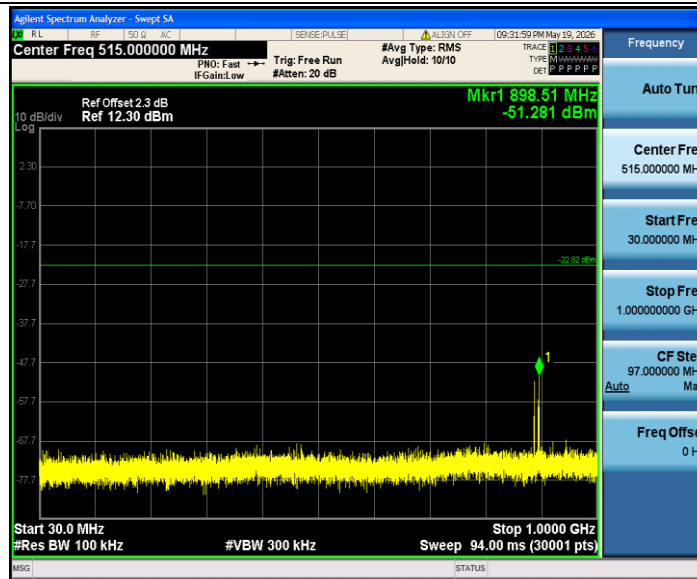
11N20SISO_Ant1_2412_1000~26500



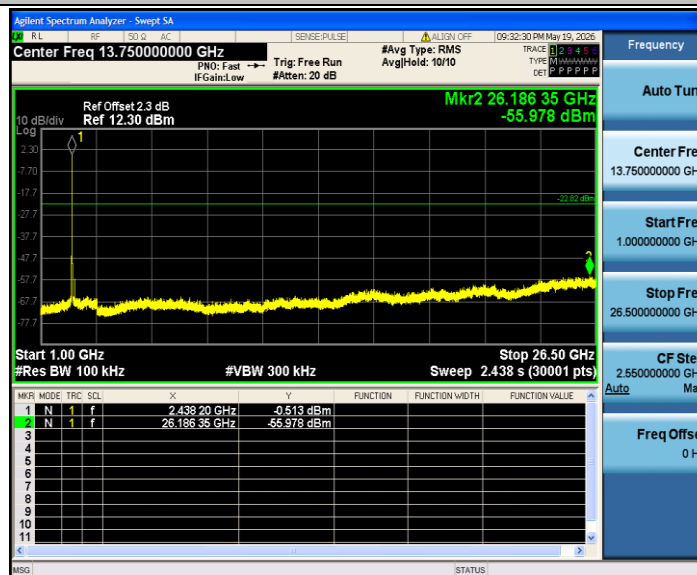
11N20SISO_Ant1_2437_0~Reference



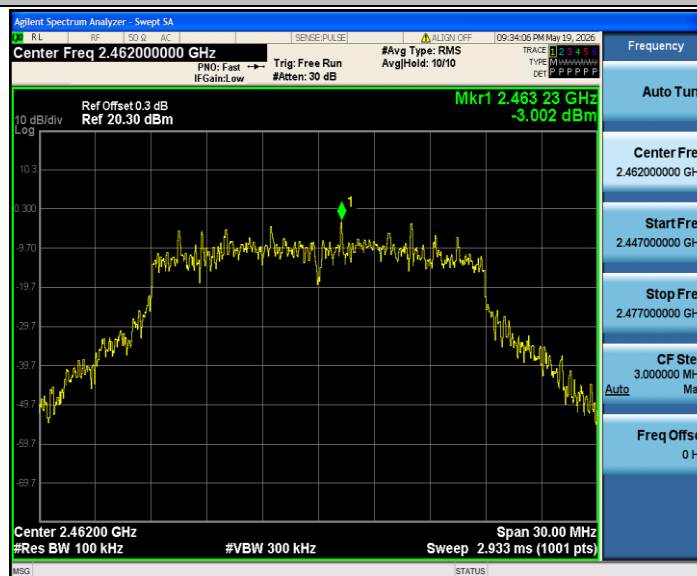
11N20SISO_Ant1_2437_30~1000



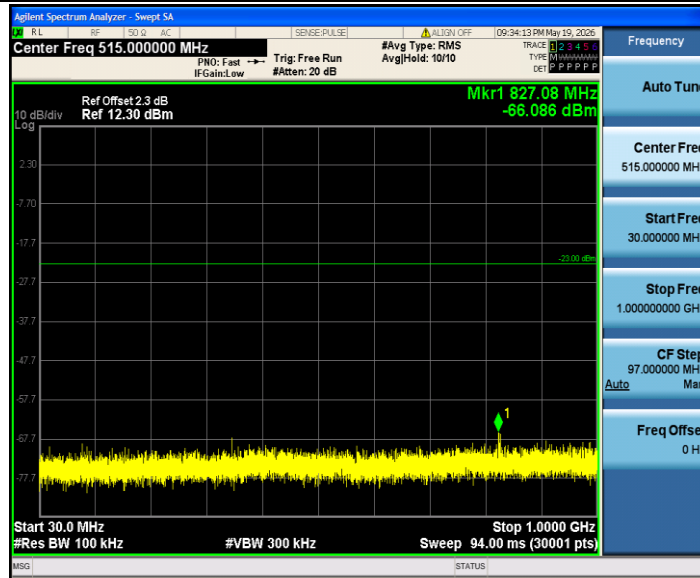
11N20SISO_Ant1_2437_1000~26500



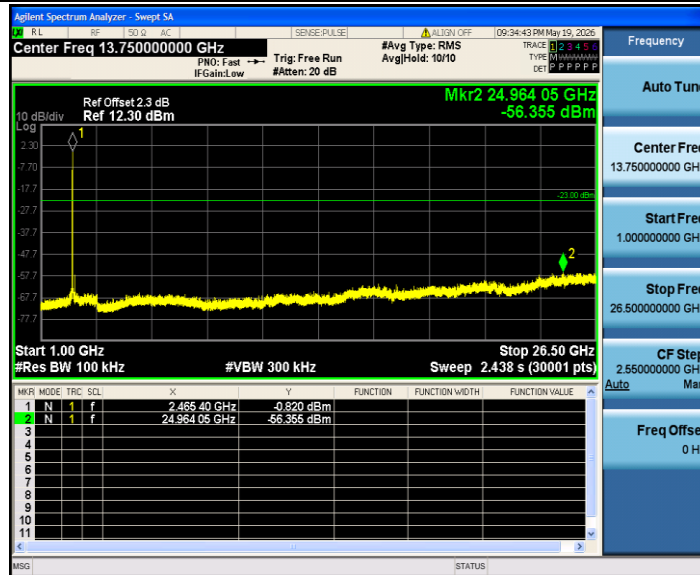
11N20SISO_Ant1_2462_0~Reference



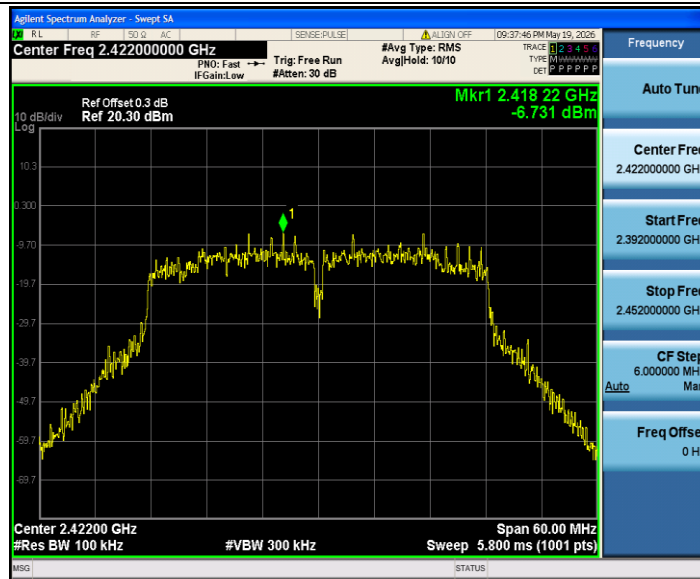
11N20SISO_Ant1_2462_30~1000



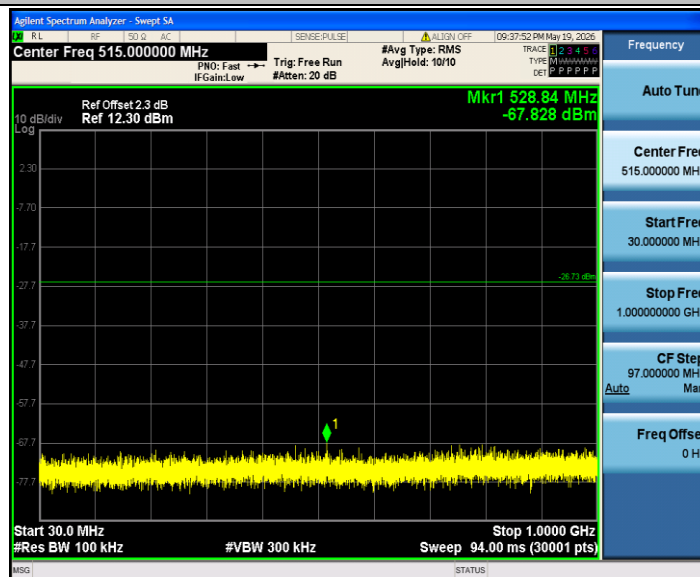
11N20SISO_Ant1_2462_1000~26500



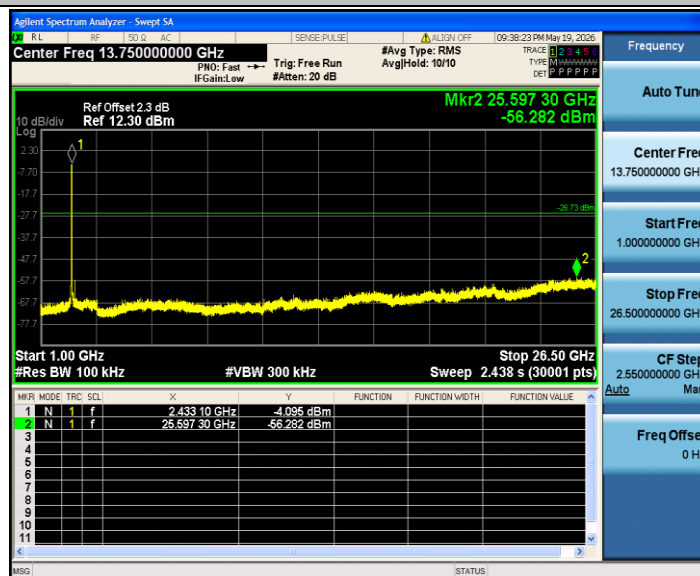
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



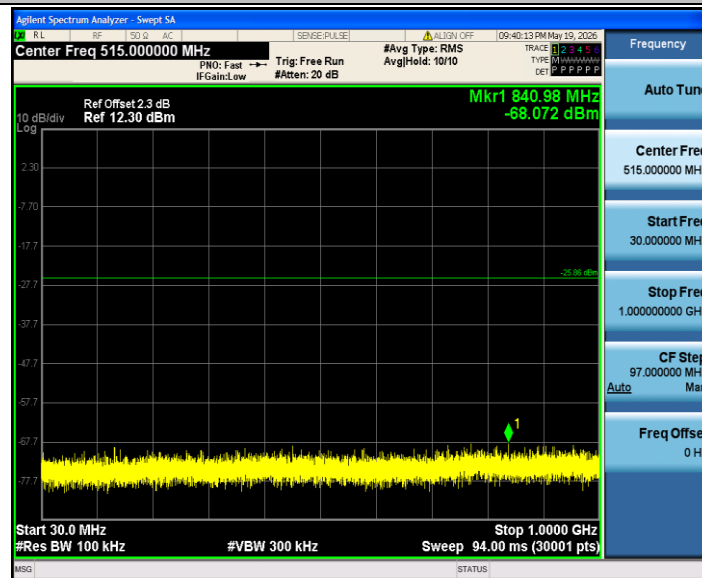
11N40SISO_Ant1_2422_1000~26500



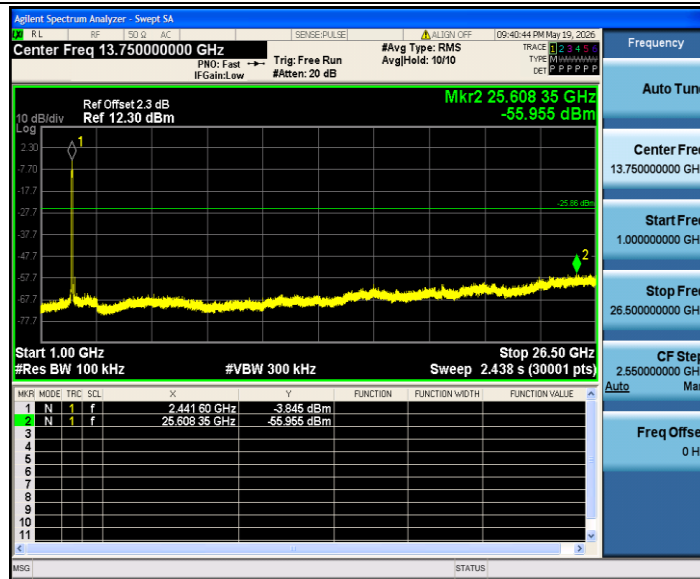
11N40SISO_Ant1_2437_0~Reference



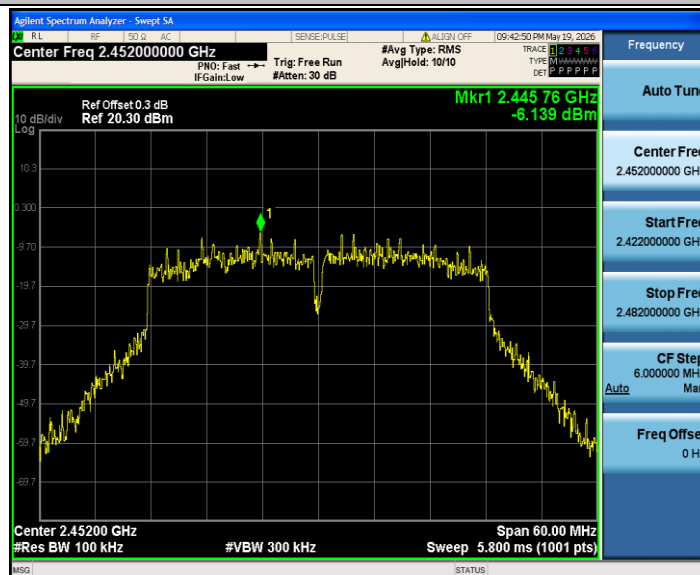
11N40SISO_Ant1_2437_30~1000



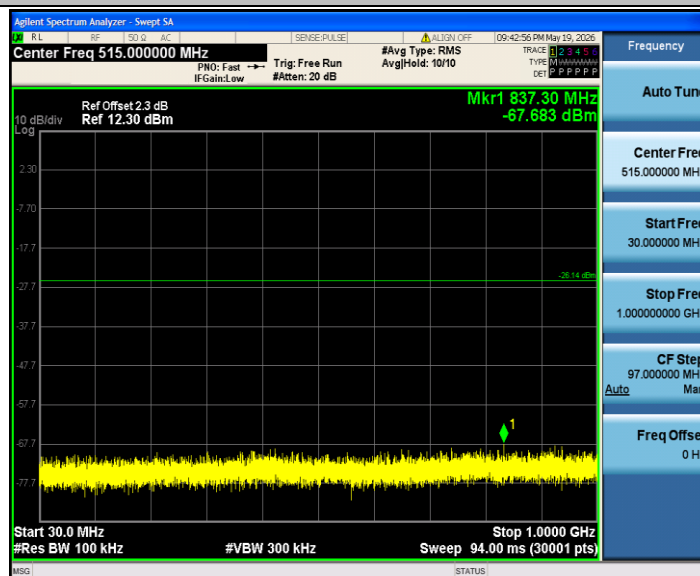
11N40SISO_Ant1_2437_1000~26500



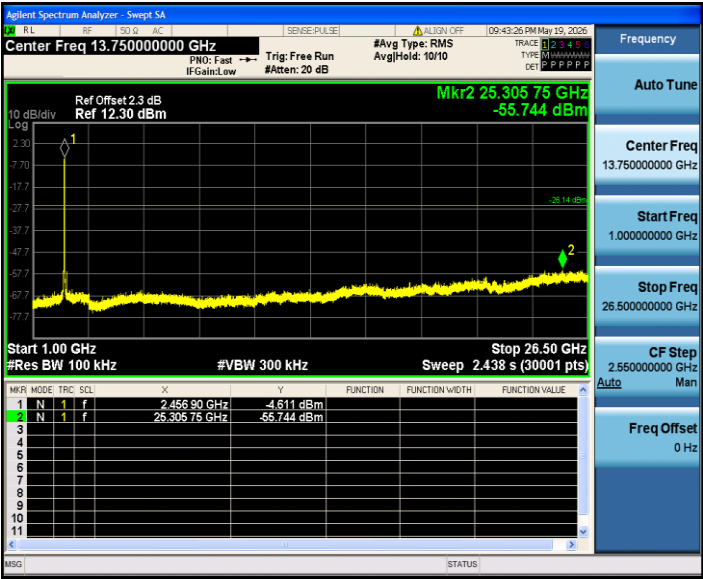
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



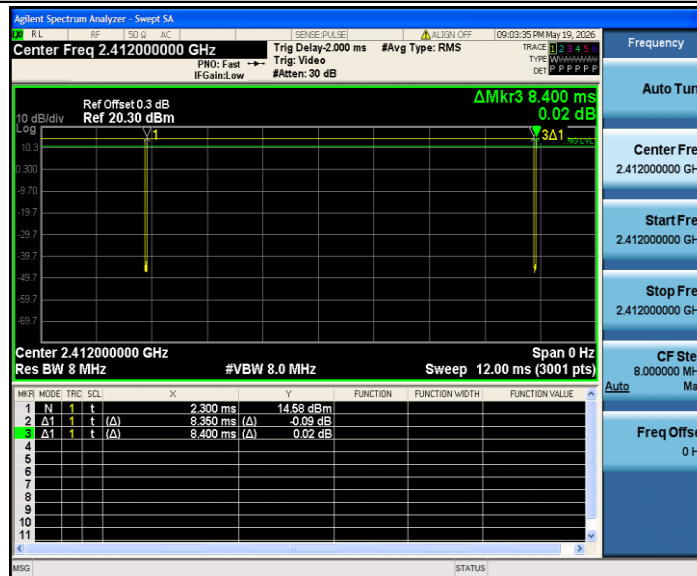
AppendixG: Duty Cycle

Test Result

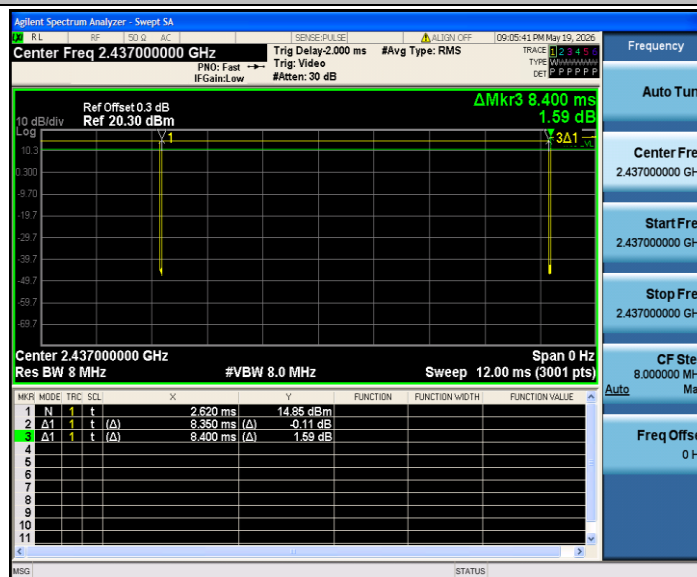
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	T Factor [dB]
11B	Ant1	2412	8.35	8.40	99.40	0.03	0.12
		2437	8.35	8.40	99.40	0.03	0.12
		2462	8.35	8.40	99.40	0.03	0.12
11G	Ant1	2412	0.15	0.19	78.95	1.03	6.67
		2437	0.14	0.19	73.68	1.33	7.14
		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	0.23	78.26	1.06	5.56
		2462	0.17	0.22	77.27	1.12	5.88
11N40SISO	Ant1	2422	0.18	0.22	81.82	0.87	5.56
		2437	0.18	0.23	78.26	1.06	5.56
		2452	0.18	0.23	78.26	1.06	5.56

Test Graphs

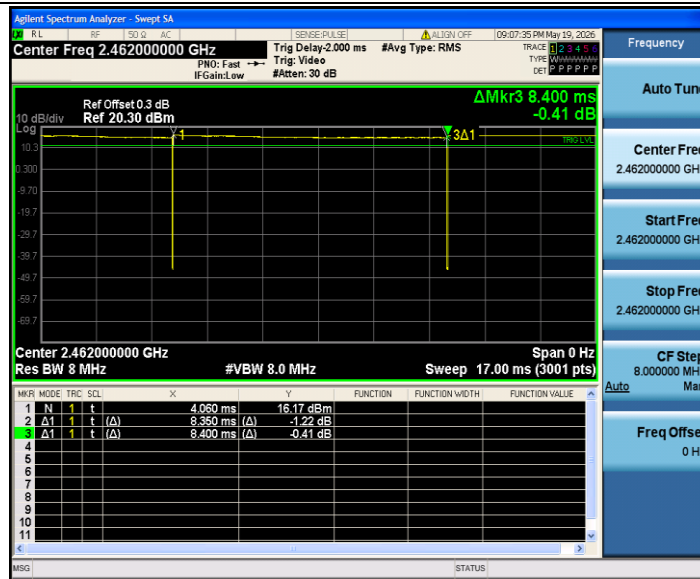
11B_Ant1_2412



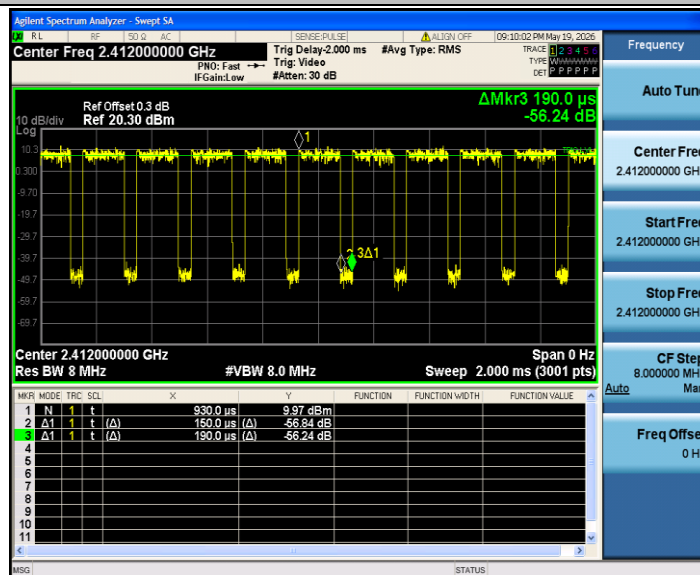
11B_Ant1_2437



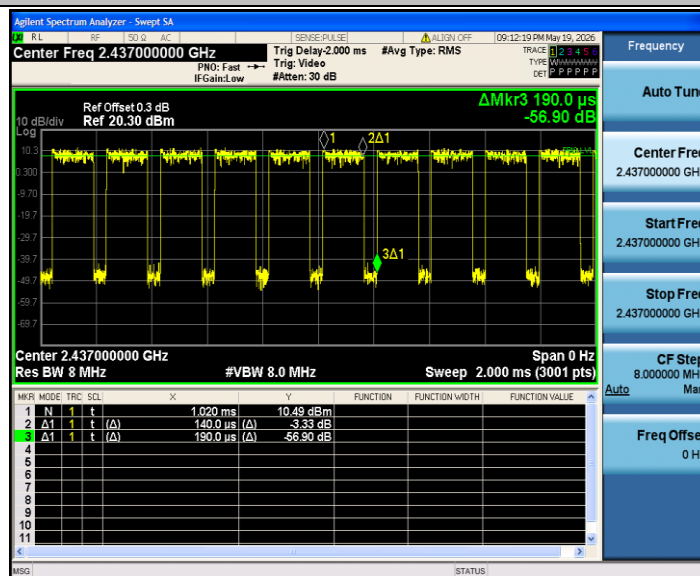
11B_Ant1_2462



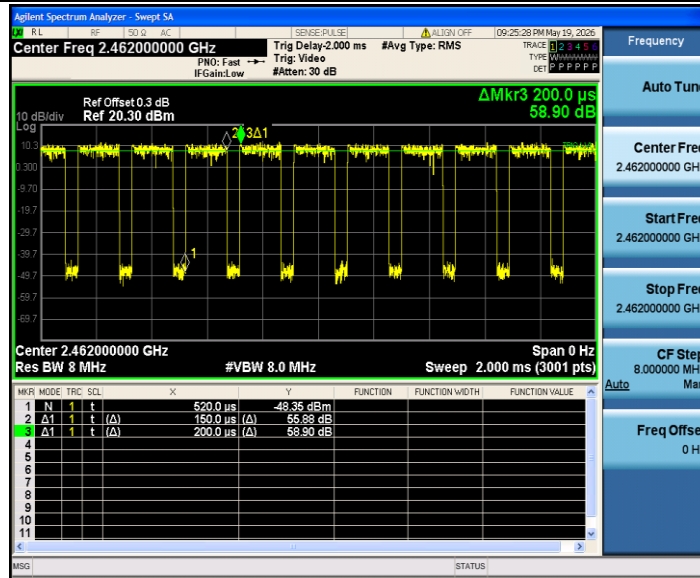
11G_Ant1_2412



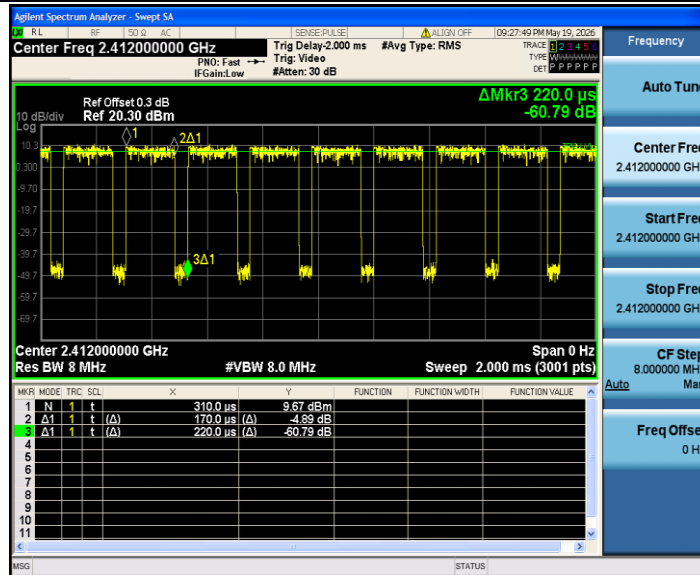
11G_Ant1_2437



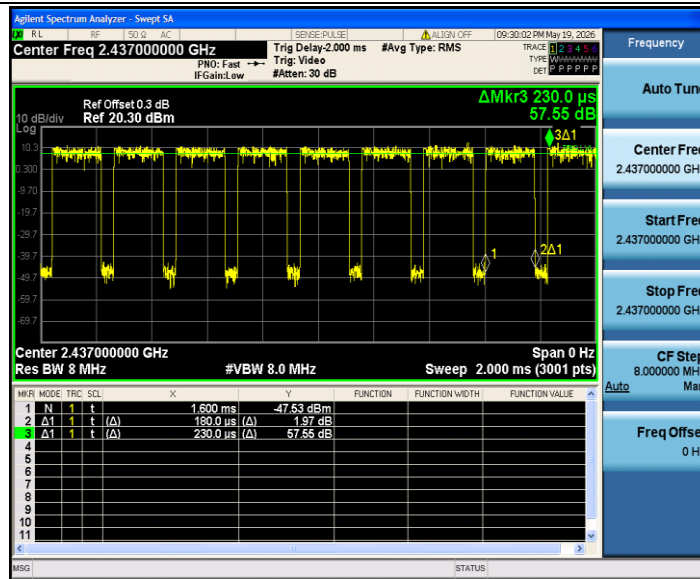
11G_Ant1_2462



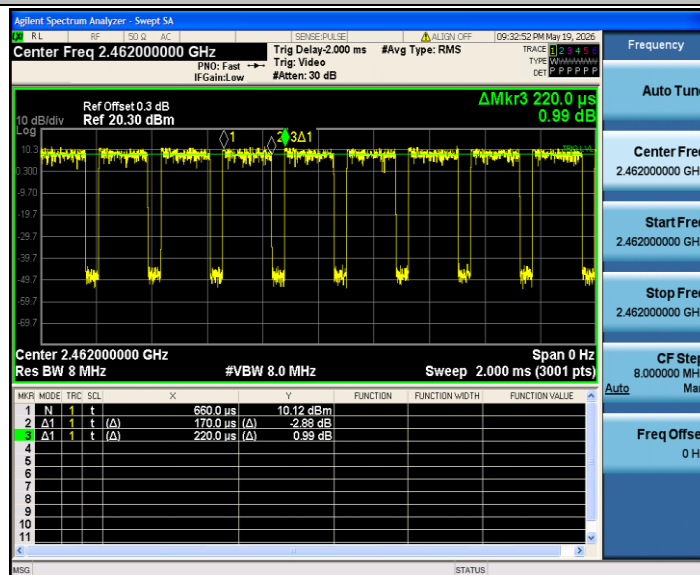
11N20SISO_Ant1_2412



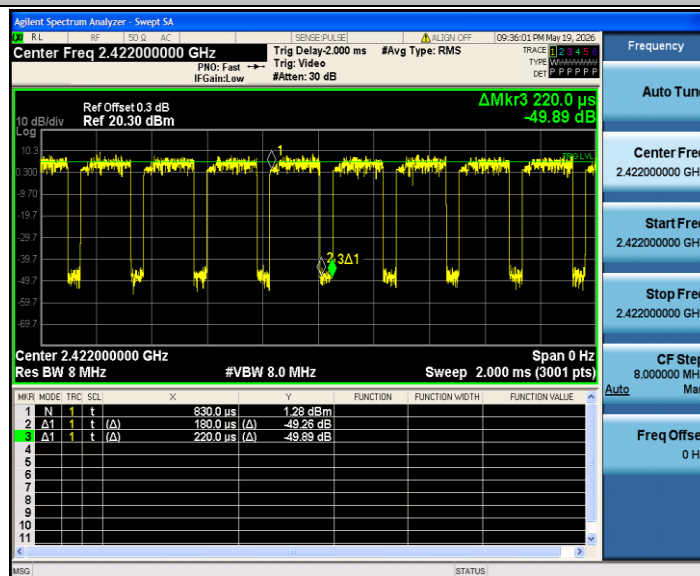
11N20SISO_Ant1_2437



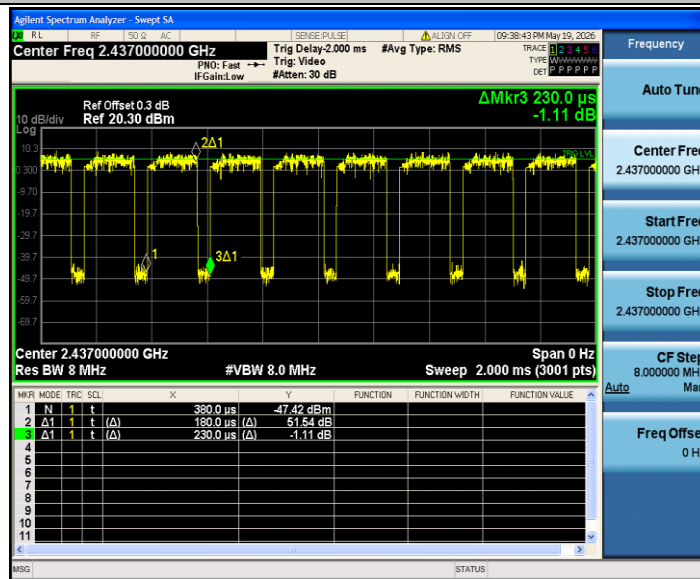
11N20SISO_Ant1_2462



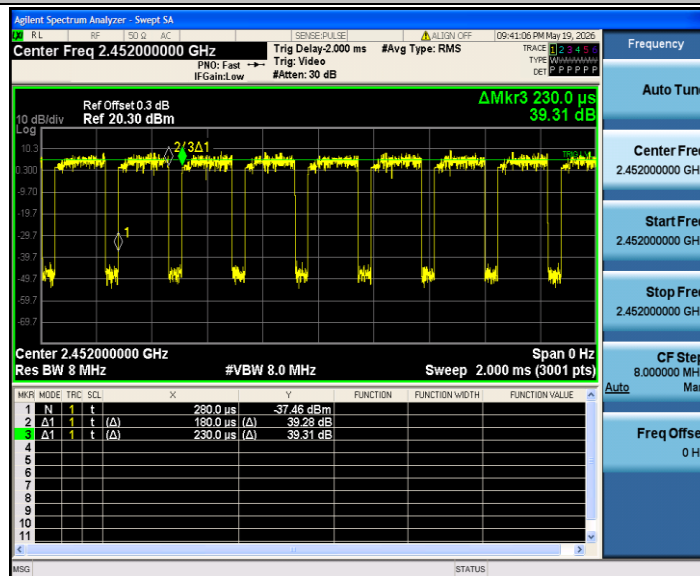
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



AppendixH:Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChannelName	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	-59.79	2.00	0.03	37.44	≤54	PASS
				AV	2385.930	-52.95	2.00	0.03	44.28	≤54	PASS
				AV	2390.000	-55.95	2.00	0.03	41.28	≤54	PASS
				Peak	2310.000	-52.52	2.00	0.00	44.68	≤74	PASS
				Peak	2386.970	-45.29	2.00	0.00	51.91	≤74	PASS
				Peak	2390.000	-46.92	2.00	0.00	50.28	≤74	PASS
		High	2462	AV	2483.500	-55.45	2.00	0.03	41.78	≤54	PASS
				AV	2487.960	-53.38	2.00	0.03	43.85	≤54	PASS
				AV	2500.000	-58.81	2.00	0.03	38.42	≤54	PASS
				Peak	2483.500	-48.34	2.00	0.00	48.86	≤74	PASS
				Peak	2488.400	-44.49	2.00	0.00	52.71	≤74	PASS
				Peak	2500.000	-50.21	2.00	0.00	46.99	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-60.07	2.00	1.03	38.16	≤54	PASS
				AV	2387.620	-58.62	2.00	1.03	39.61	≤54	PASS
				AV	2390.000	-59.21	2.00	1.03	39.02	≤54	PASS
				Peak	2310.000	-51.97	2.00	0.00	45.23	≤74	PASS
				Peak	2381.510	-48.49	2.00	0.00	48.71	≤74	PASS
				Peak	2390.000	-51.33	2.00	0.00	45.87	≤74	PASS
		High	2462	AV	2483.500	-50.04	2.00	1.25	48.41	≤54	PASS
				AV	2483.780	-49.73	2.00	1.25	48.72	≤54	PASS
				AV	2500.000	-58.67	2.00	1.25	39.78	≤54	PASS
				Peak	2483.500	-39.76	2.00	0.00	57.44	≤74	PASS
				Peak	2485.210	-38.02	2.00	0.00	59.18	≤74	PASS

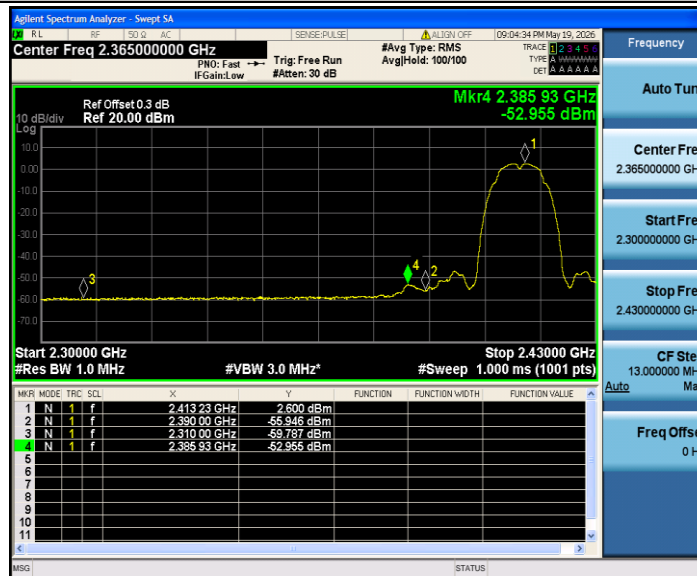
				Peak	2500.000	-48.98	2.00	0.00	48.22	≤74	PASS
11N20 SISO	Ant1	Low	2412	AV	2310.000	-60.05	2.00	1.12	38.27	≤54	PASS
				AV	2386.970	-58.59	2.00	1.12	39.73	≤54	PASS
				AV	2390.000	-59.18	2.00	1.12	39.14	≤54	PASS
				Peak	2310.000	-52.82	2.00	0.00	44.38	≤74	PASS
				Peak	2352.780	-48.69	2.00	0.00	48.51	≤74	PASS
				Peak	2390.000	-51.28	2.00	0.00	45.92	≤74	PASS
		High	2462	AV	2483.500	-58.68	2.00	1.12	39.64	≤54	PASS
				AV	2488.400	-58.41	2.00	1.12	39.91	≤54	PASS
				AV	2500.000	-59.69	2.00	1.12	38.63	≤54	PASS
				Peak	2483.500	-49.64	2.00	0.00	47.56	≤74	PASS
				Peak	2489.170	-48.38	2.00	0.00	48.82	≤74	PASS
				Peak	2500.000	-50.31	2.00	0.00	46.89	≤74	PASS
11N40 SISO	Ant1	Low	2422	AV	2310.000	-60.35	2.00	0.87	37.72	≤54	PASS
				AV	2389.400	-57.99	2.00	0.87	40.08	≤54	PASS
				AV	2390.000	-58.22	2.00	0.87	39.85	≤54	PASS
				Peak	2310.000	-51.05	2.00	0.00	46.15	≤74	PASS
				Peak	2375.450	-48.61	2.00	0.00	48.59	≤74	PASS
				Peak	2390.000	-50.34	2.00	0.00	46.86	≤74	PASS
		High	2452	AV	2483.500	-58.14	2.00	1.06	40.12	≤54	PASS
				AV	2484.375	-57.78	2.00	1.06	40.48	≤54	PASS
				AV	2500.000	-59.3	2.00	1.06	38.96	≤54	PASS
				Peak	2483.500	-49.61	2.00	0.00	47.59	≤74	PASS
				Peak	2484.250	-47.72	2.00	0.00	49.48	≤74	PASS
				Peak	2500.000	-50.67	2.00	0.00	46.53	≤74	PASS

Note:

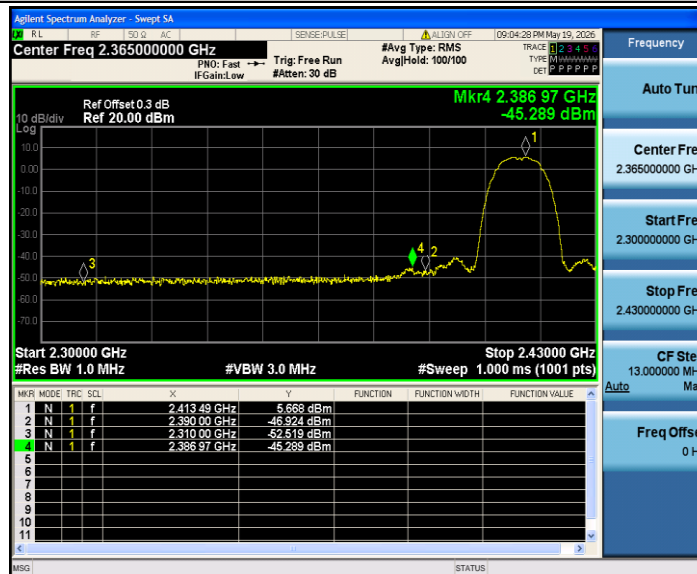
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

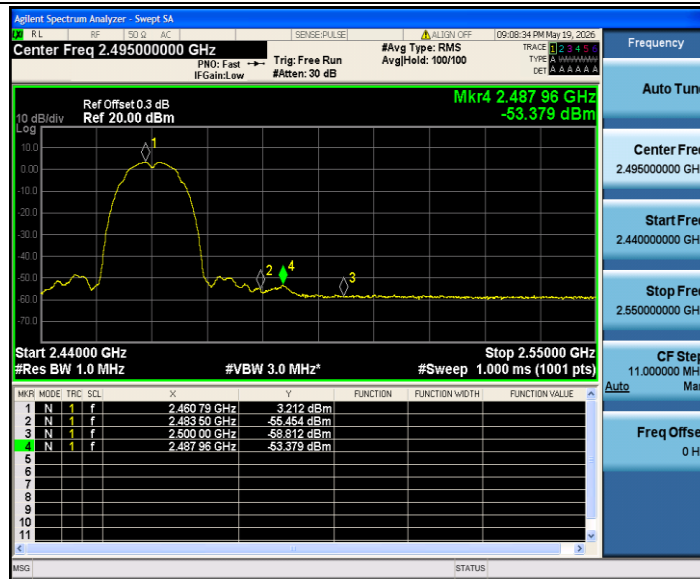
11B_Ant1_Low_2412_AV



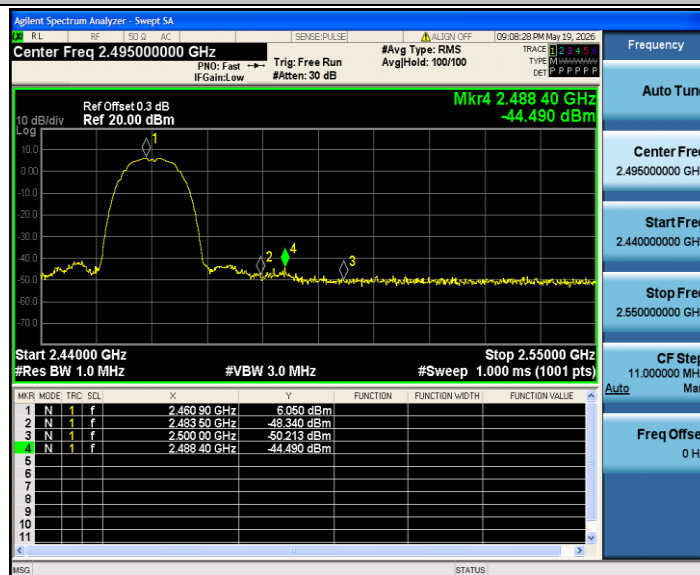
11B_Ant1_Low_2412_Peak



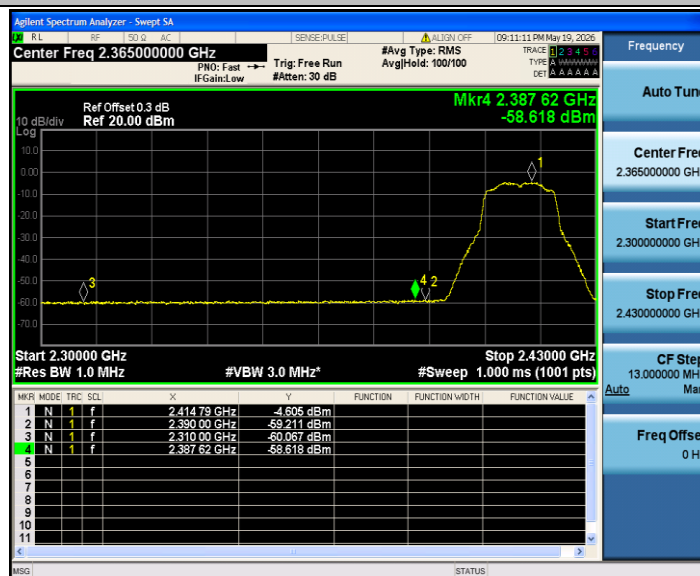
11B_Ant1_High_2462_AV



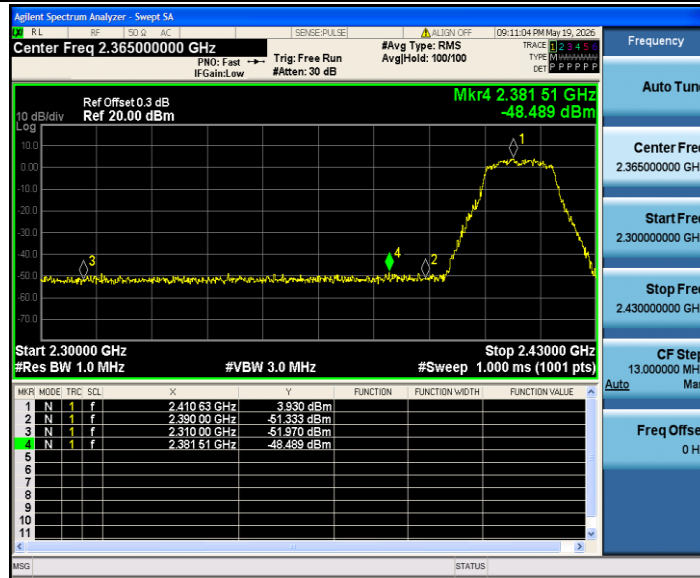
11B_Ant1_High_2462_Peak



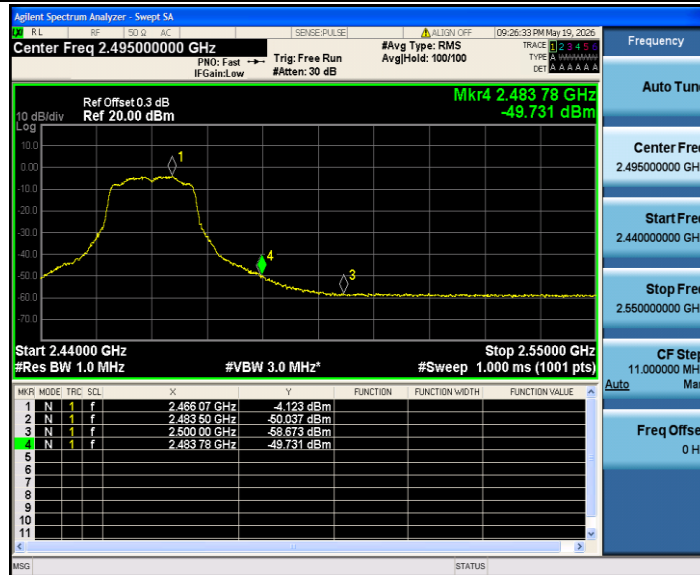
11G_Ant1_Low_2412_AV



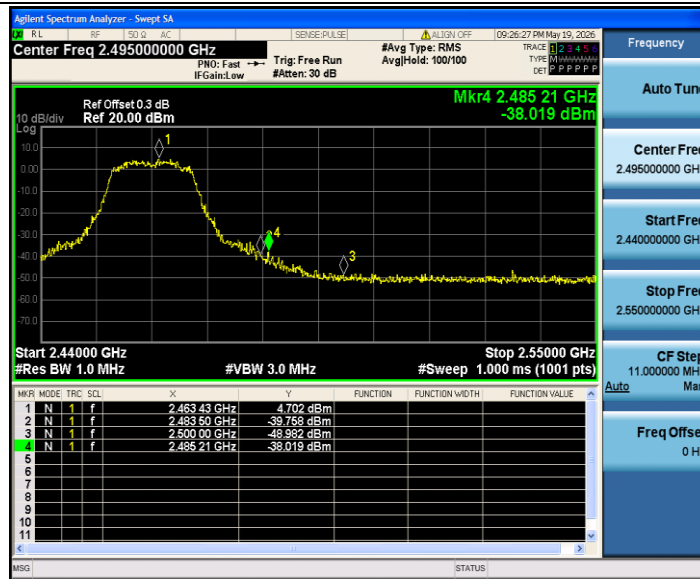
11G_Ant1_Low_2412_Peak



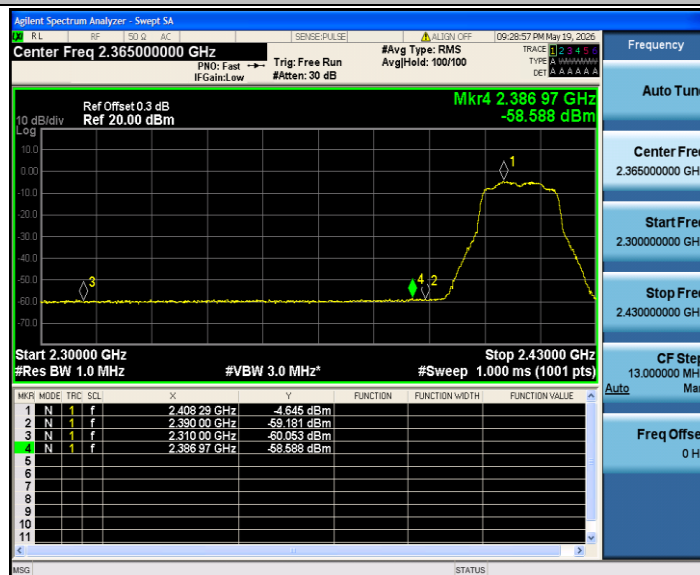
11G_Ant1_High_2462_AV



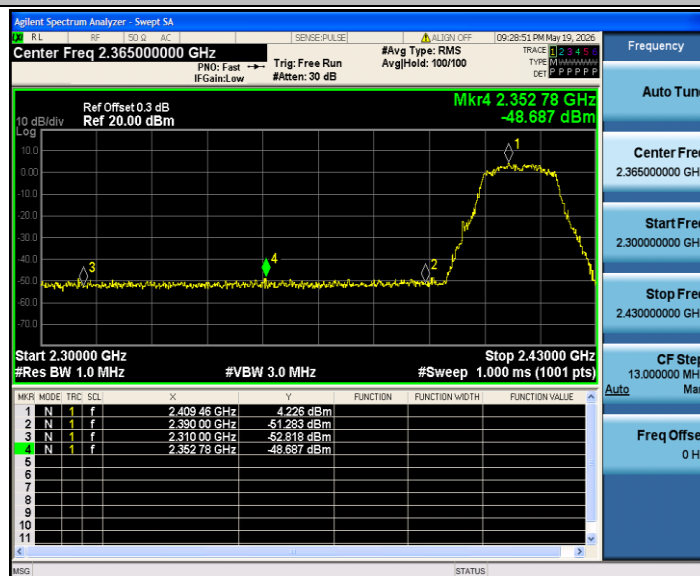
11G_Ant1_High_2462_Peak



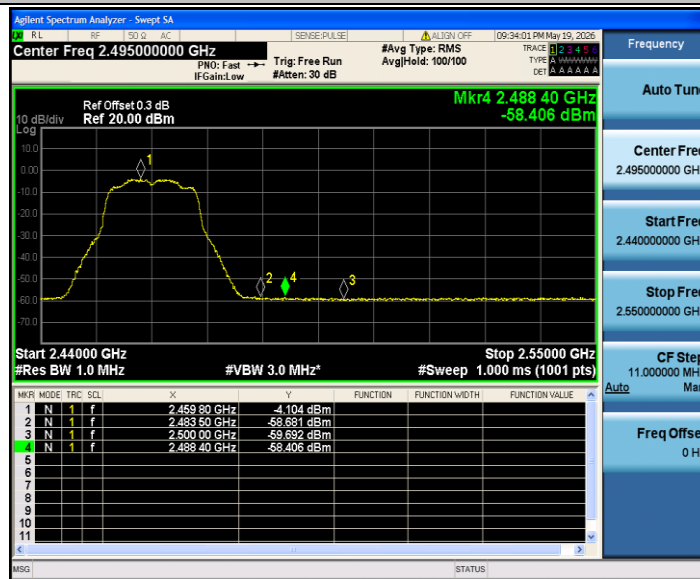
11N20SISO_Ant1_Low_2412_AV



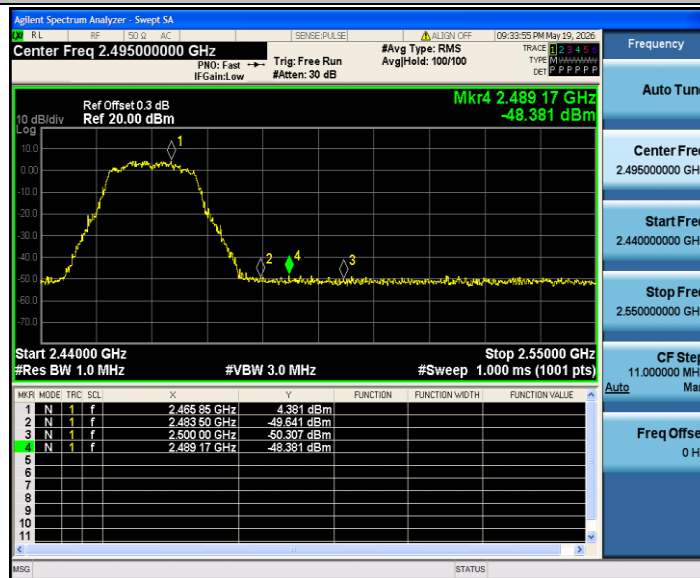
11N20SISO_Ant1_Low_2412_Peak



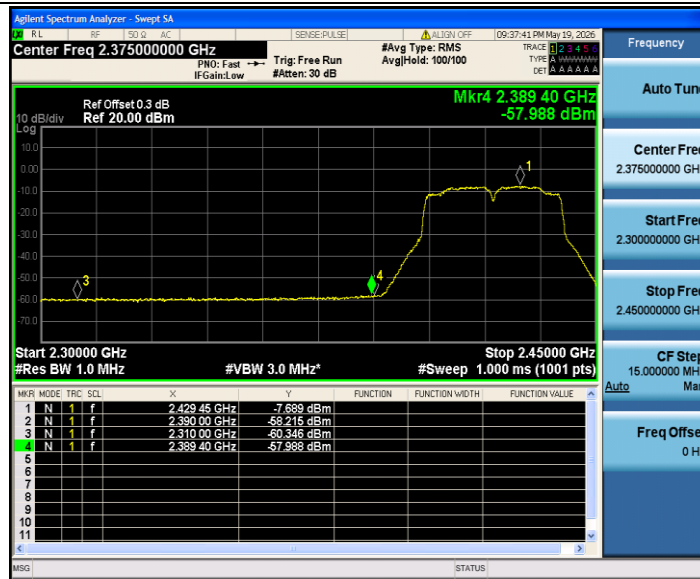
11N20SISO_Ant1_High_2462_AV



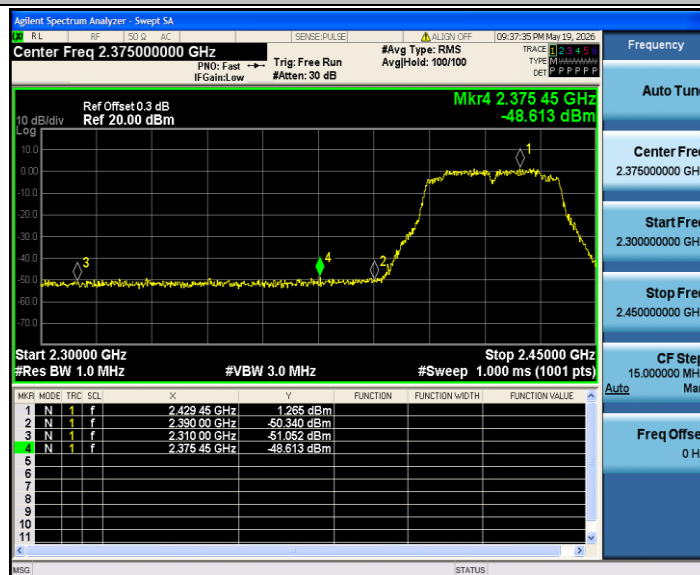
11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV



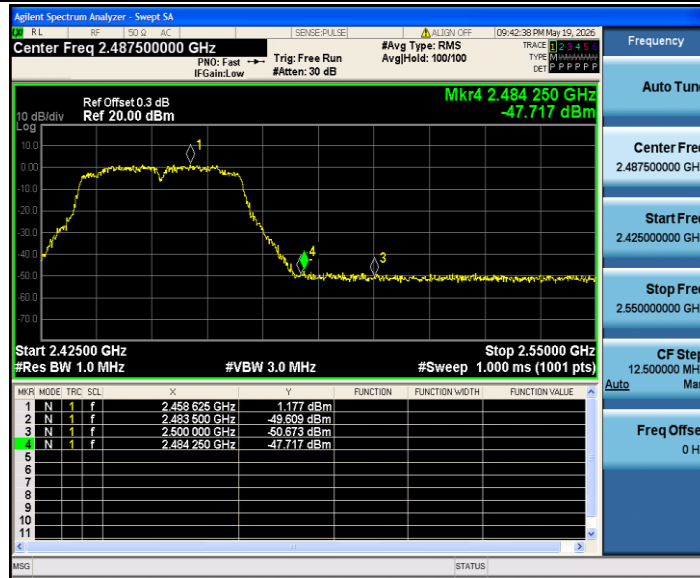
11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV



11N40SISO_Ant1_High_2452_Peak



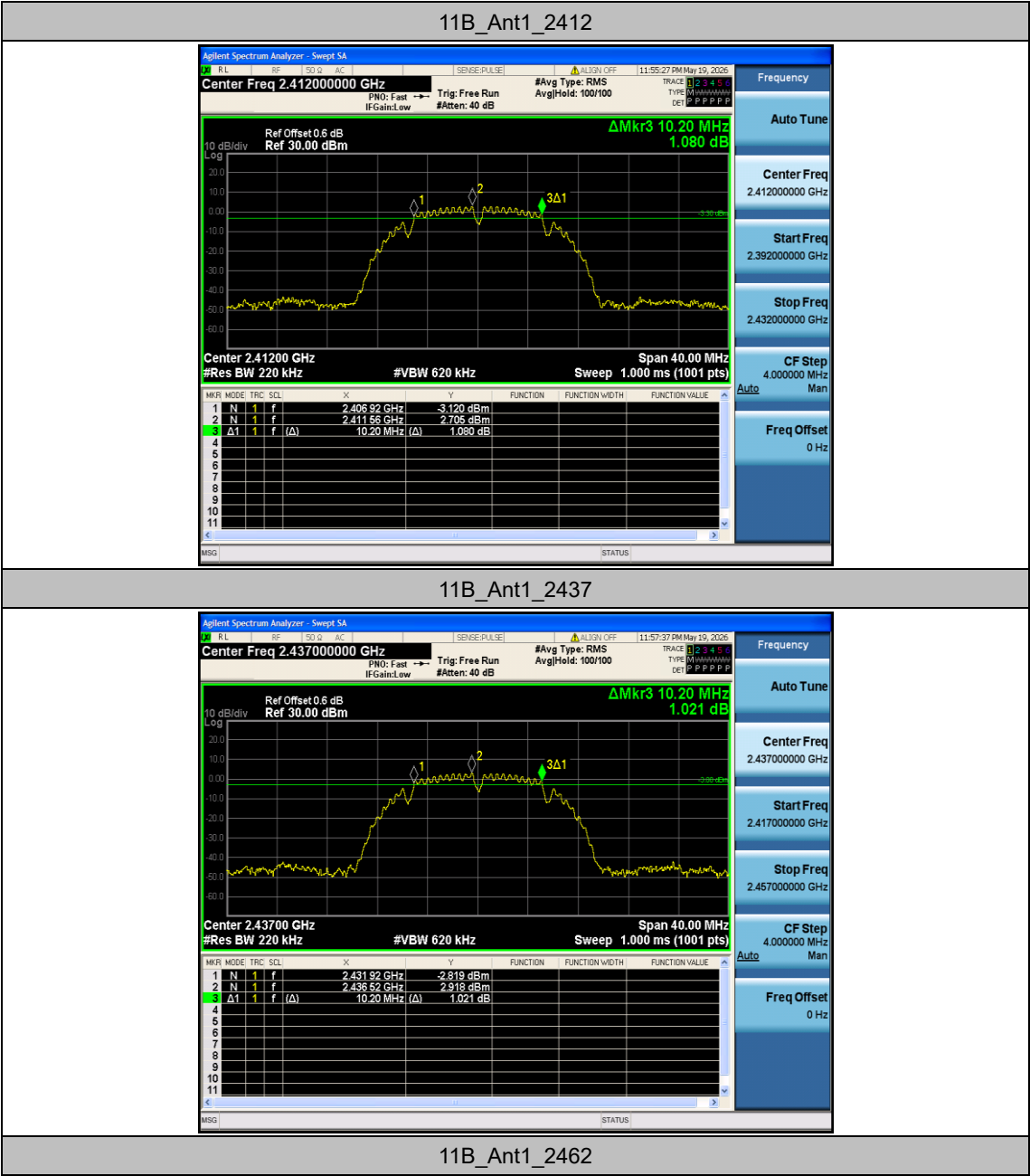
Appendix RF Test Data for 2.4GWIFI Module 2

AppendixA: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.200	2406.920	2417.120	0.5	PASS
		2437	10.200	2431.920	2442.120	0.5	PASS
		2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	15.600	2404.160	2419.760	0.5	PASS
		2437	15.400	2429.440	2444.840	0.5	PASS
		2462	15.880	2454.080	2469.960	0.5	PASS
11N20SISO	Ant1	2412	16.840	2403.640	2420.480	0.5	PASS
		2437	17.040	2428.400	2445.440	0.5	PASS
		2462	16.520	2453.720	2470.240	0.5	PASS
11N40SISO	Ant1	2422	35.440	2404.240	2439.680	0.5	PASS
		2437	35.680	2419.160	2454.840	0.5	PASS
		2452	35.520	2434.320	2469.840	0.5	PASS

Test Graphs





11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



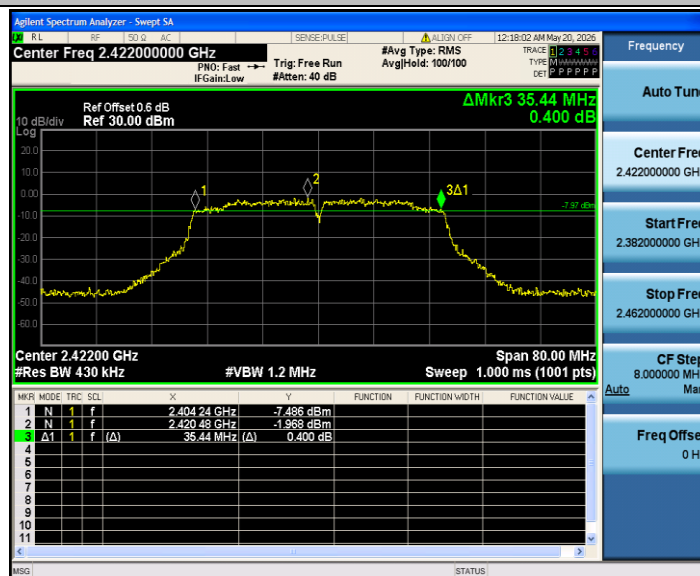
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



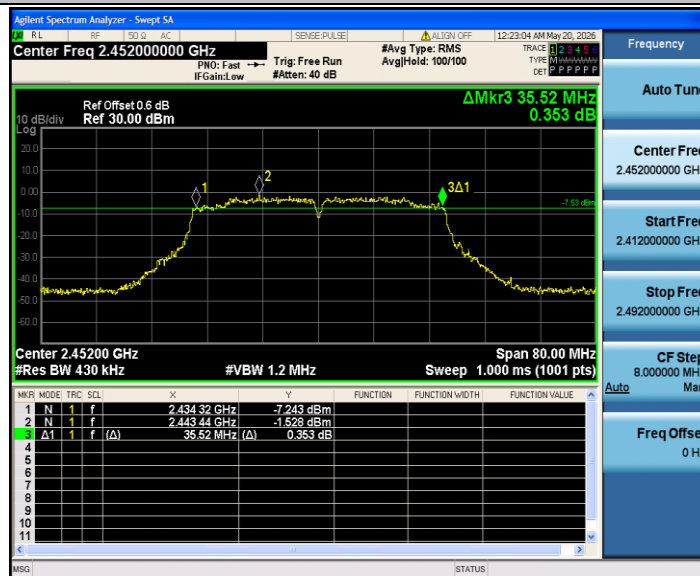
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



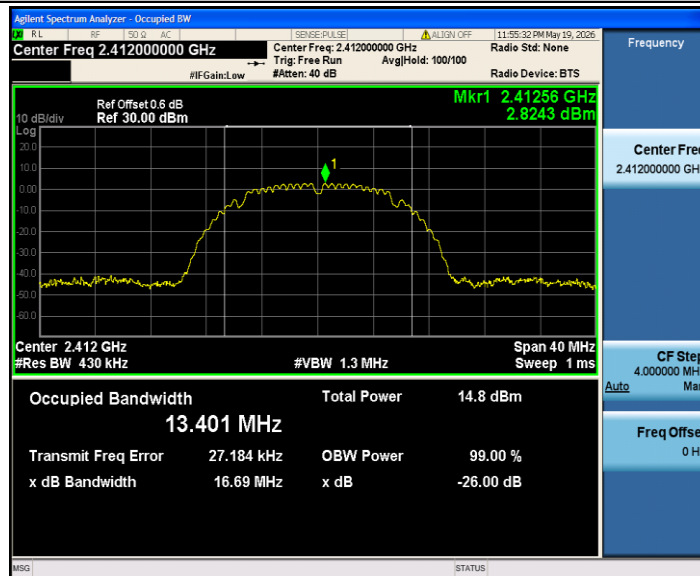
AppendixB: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.401	2405.3267	2418.7277	---	---
		2437	13.405	2430.3131	2443.7181	---	---
		2462	13.421	2455.3046	2468.7256	---	---
11G	Ant1	2412	16.855	2403.6239	2420.4789	---	---
		2437	16.884	2428.5825	2445.4665	---	---
		2462	16.898	2453.5719	2470.4699	---	---
11N20SISO	Ant1	2412	17.833	2403.1176	2420.9506	---	---
		2437	17.830	2428.0869	2445.9169	---	---
		2462	17.901	2453.0701	2470.9711	---	---
11N40SISO	Ant1	2422	36.058	2404.0614	2440.1194	---	---
		2437	36.057	2419.1103	2455.1673	---	---
		2452	36.072	2434.0904	2470.1624	---	---

Test Graphs

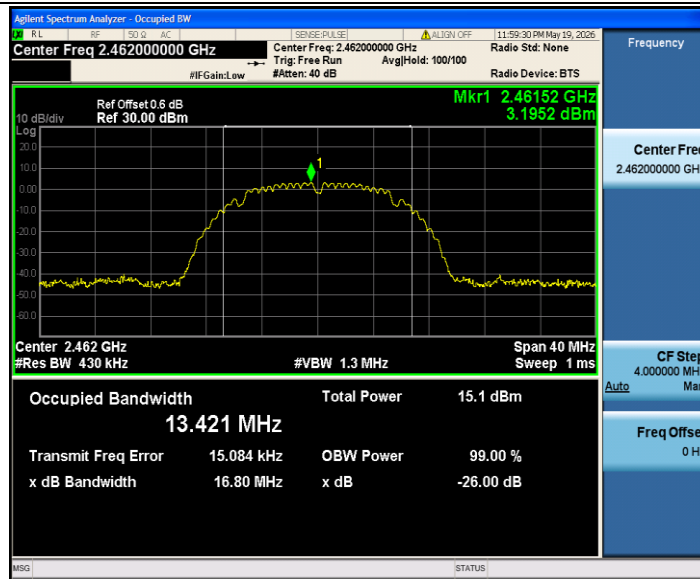
11B_Ant1_2412



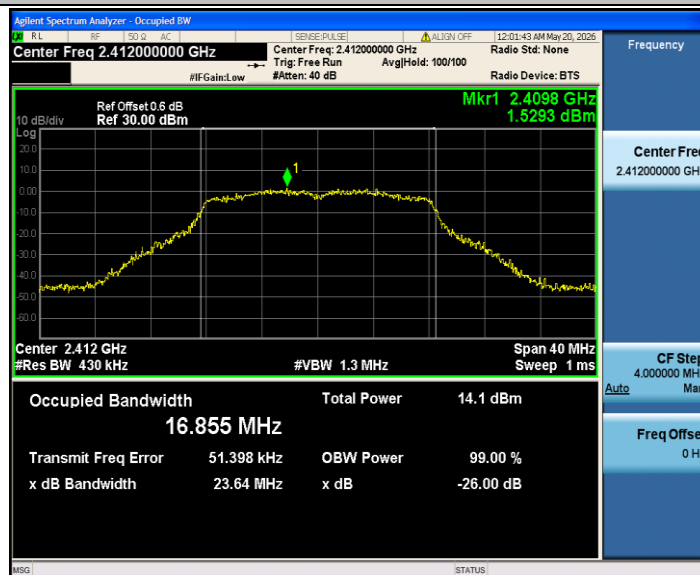
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437

