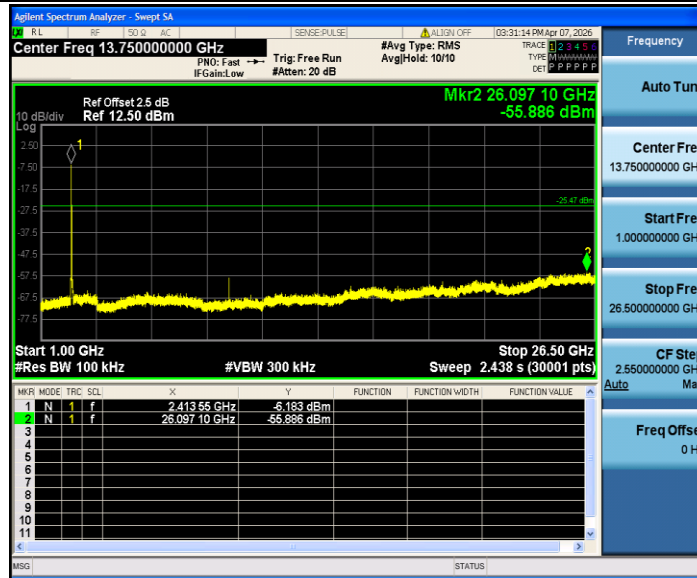


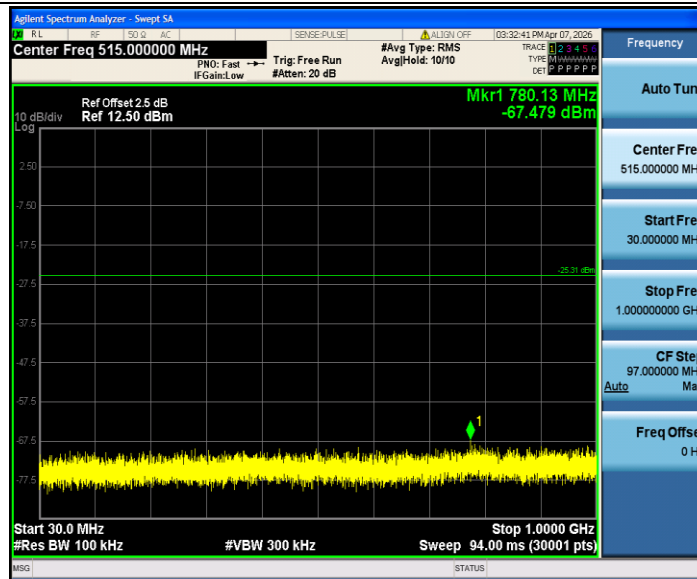
11N20SISO_Ant1_2412_1000~26500



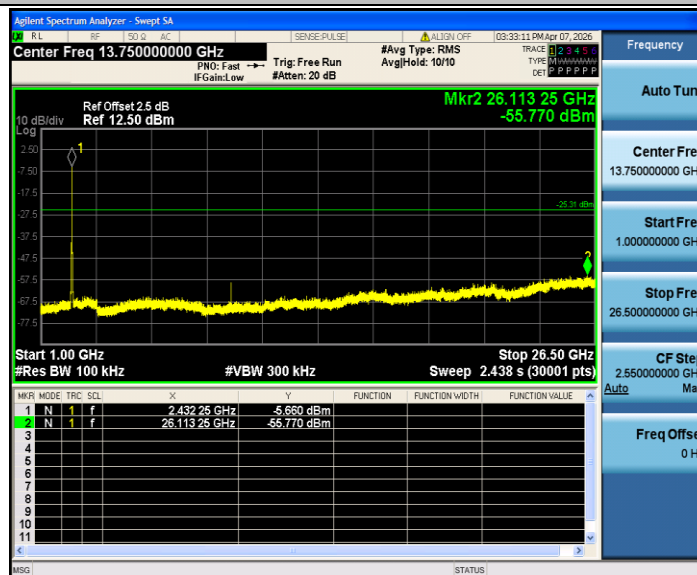
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



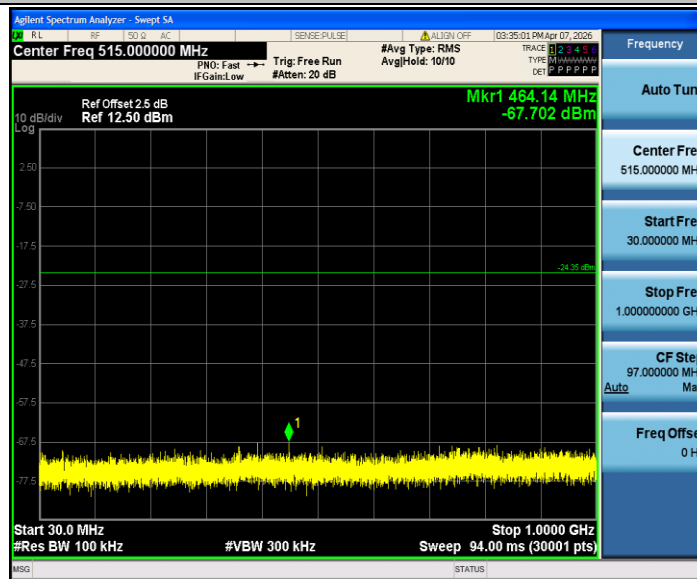
11N20SISO_Ant1_2437_1000~26500



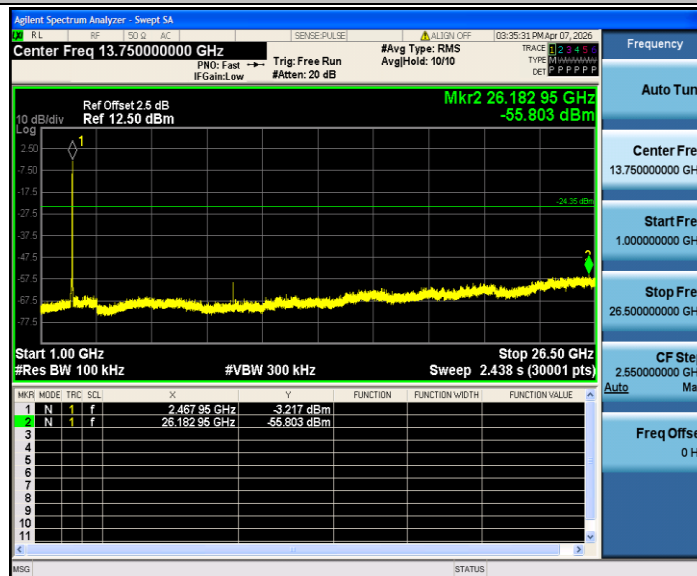
11N20SISO_Ant1_2462_0~Reference



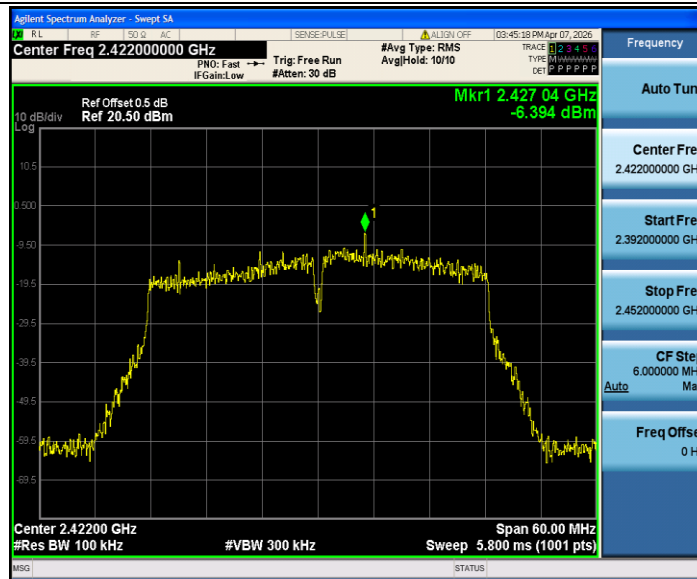
11N20SISO_Ant1_2462_30~1000



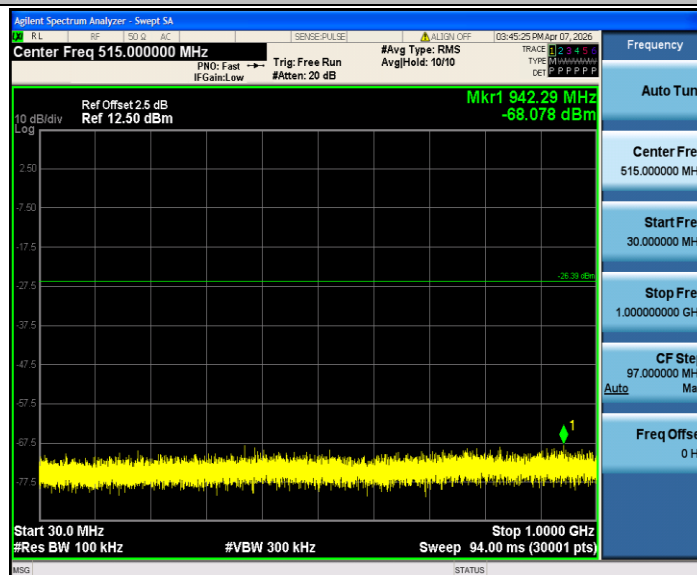
11N20SISO_Ant1_2462_1000~26500



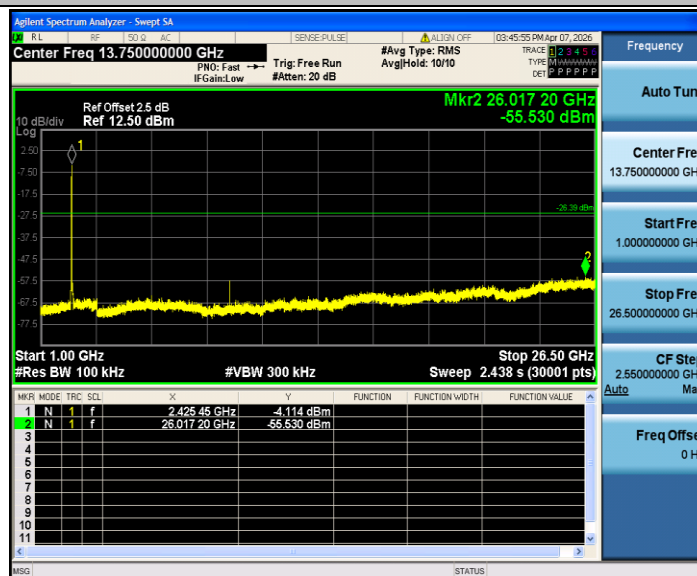
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



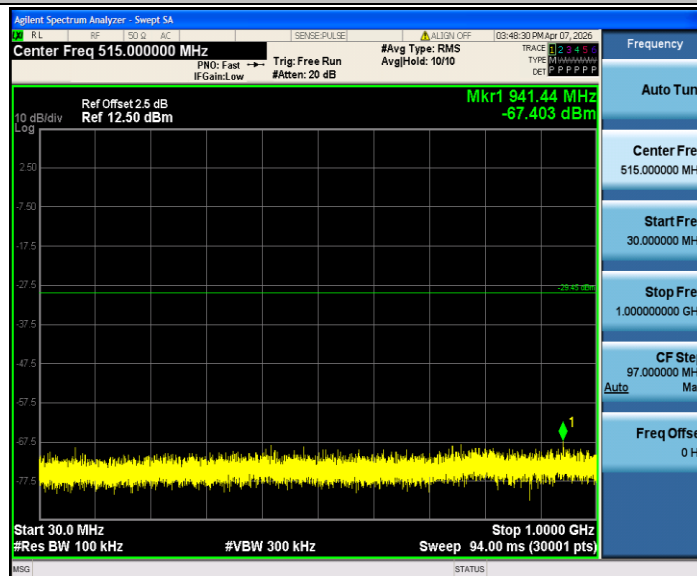
11N40SISO_Ant1_2422_1000~26500



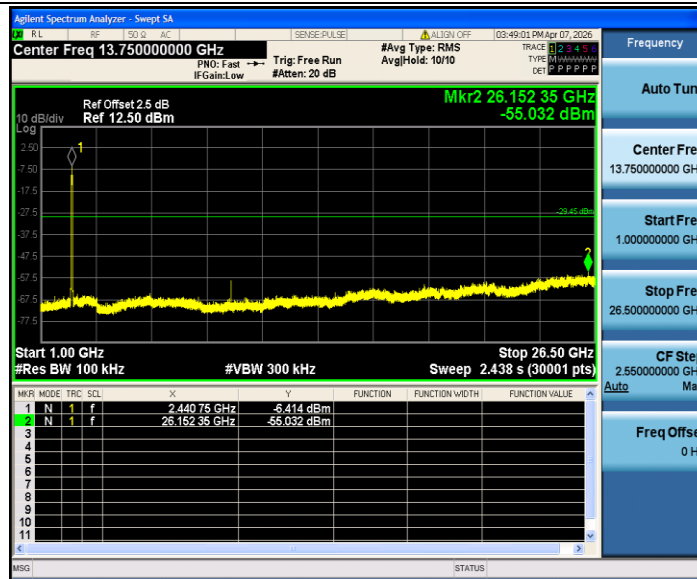
11N40SISO_Ant1_2437_0~Reference



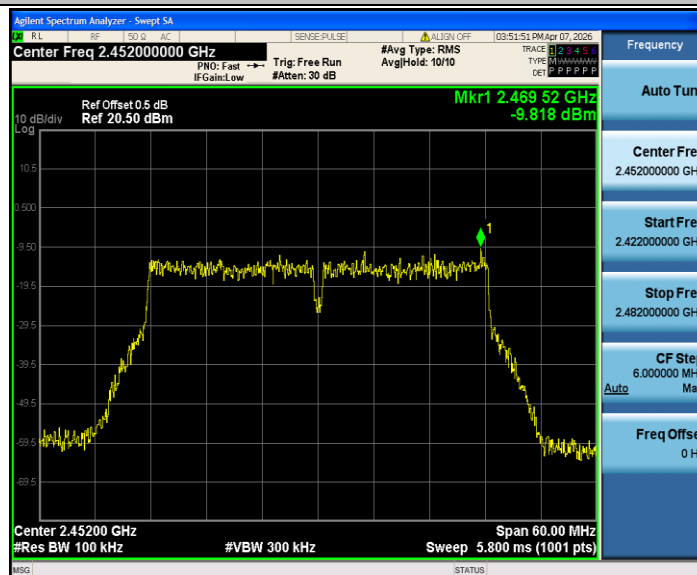
11N40SISO_Ant1_2437_30~1000



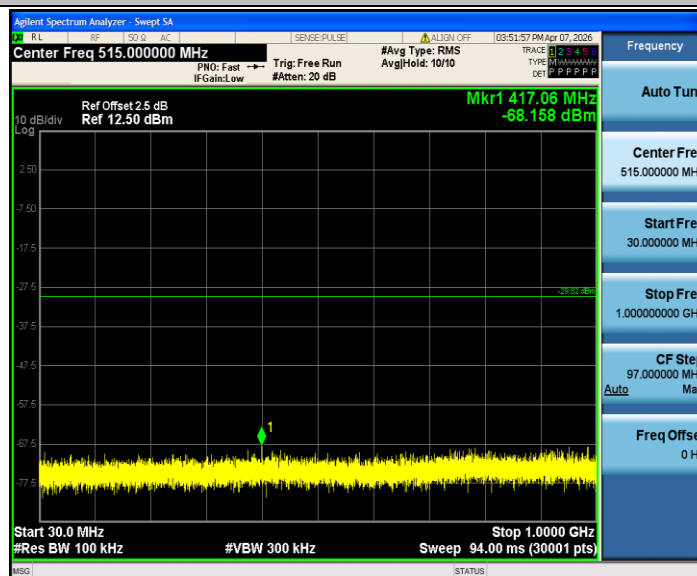
11N40SISO_Ant1_2437_1000~26500



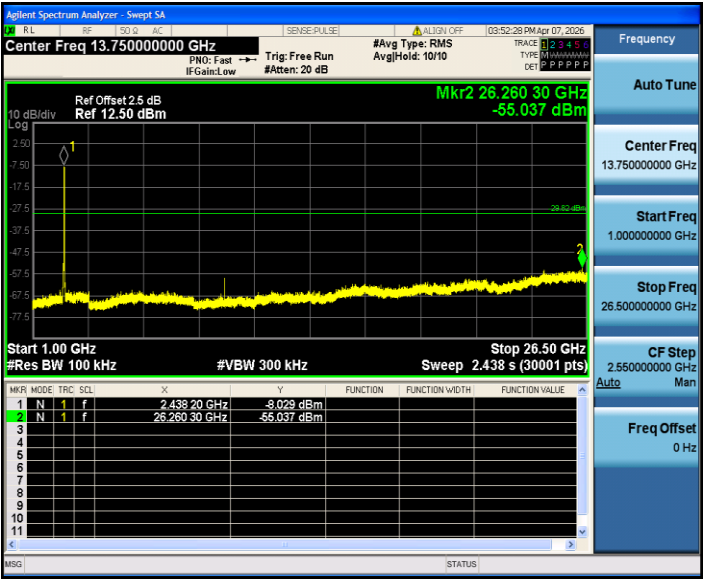
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

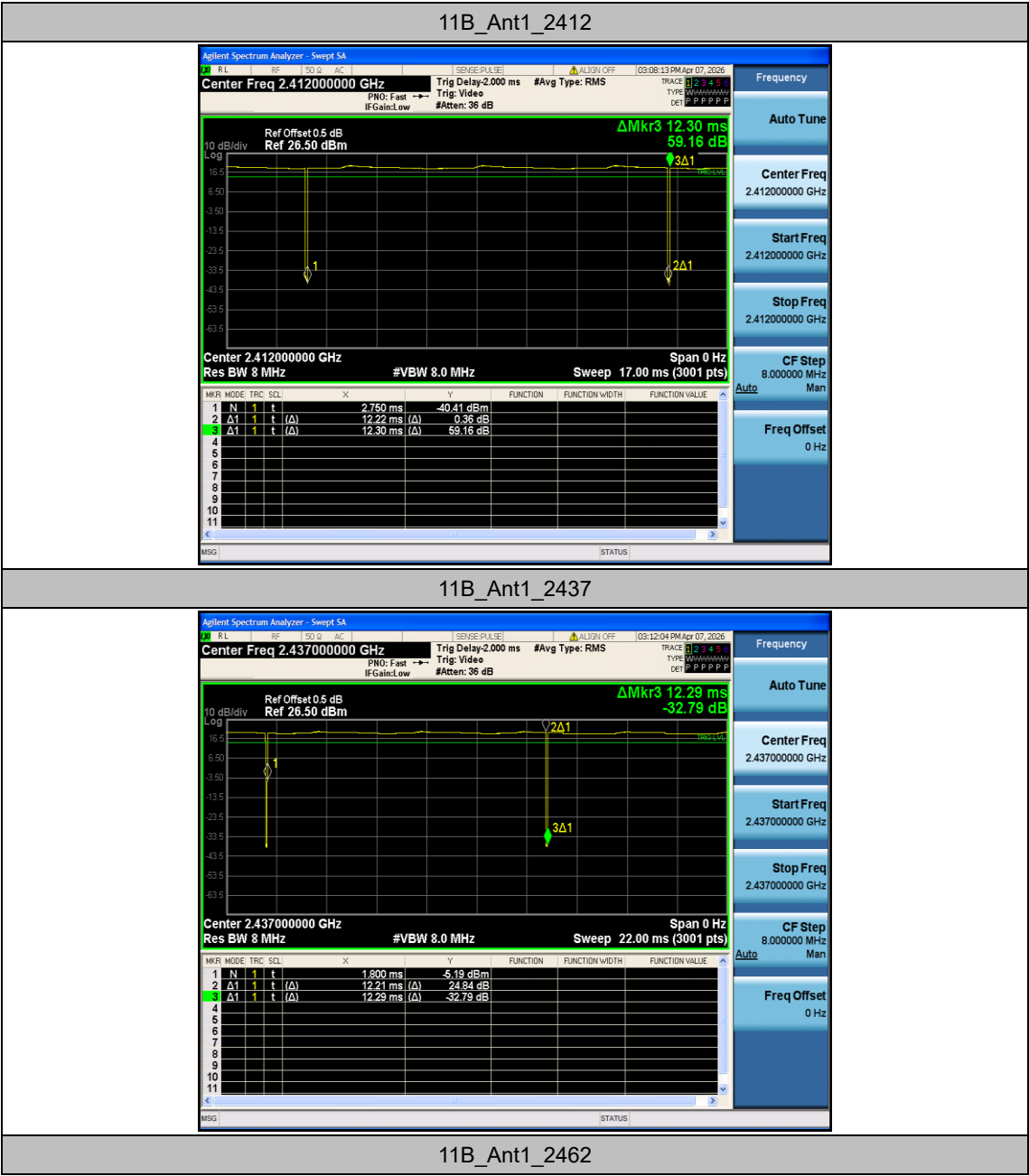


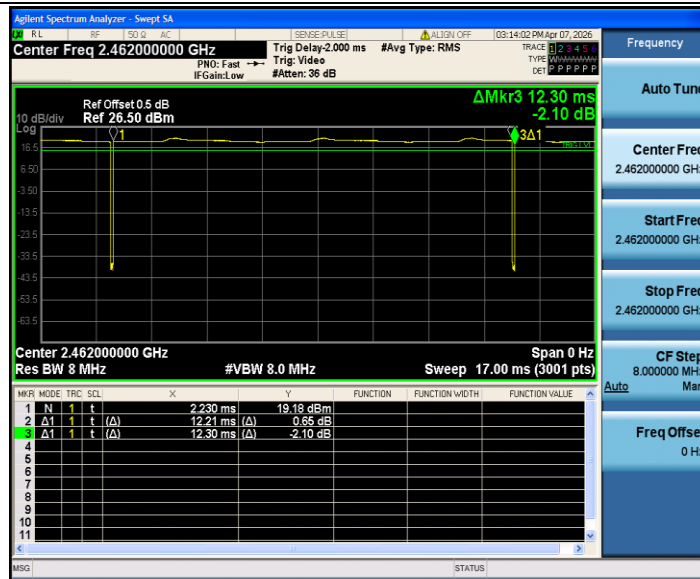
Appendix G: Duty Cycle

Test Result

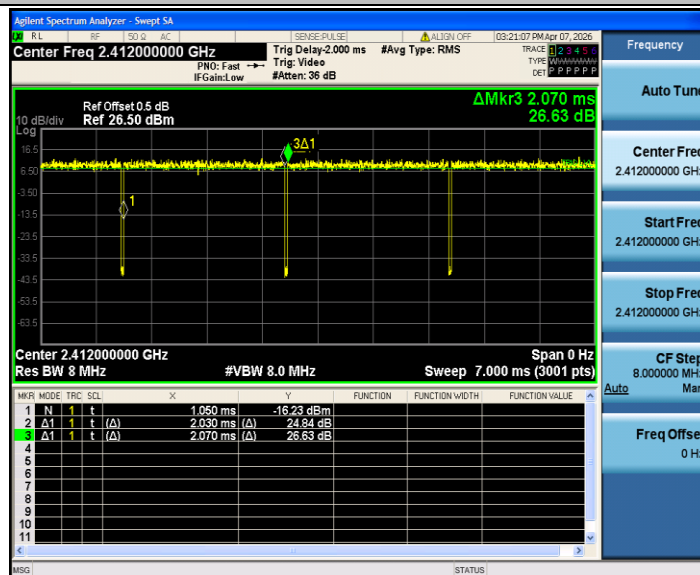
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	T Factor [dB]
11B	Ant1	2412	12.22	12.30	99.35	0.03	0.08
		2437	12.21	12.29	99.35	0.03	0.08
		2462	12.21	12.30	99.27	0.03	0.08
11G	Ant1	2412	2.03	2.07	98.07	0.08	0.49
		2437	2.03	2.06	98.54	0.06	0.49
		2462	2.03	2.07	98.07	0.08	0.49
11N20SISO	Ant1	2412	1.89	1.92	98.44	0.07	0.53
		2437	1.89	1.93	97.93	0.09	0.53
		2462	1.89	1.93	97.93	0.09	0.53
11N40SISO	Ant1	2422	0.92	0.97	94.85	0.23	1.09
		2437	0.93	0.98	94.90	0.23	1.08
		2452	0.93	0.98	94.90	0.23	1.08

Test Graphs

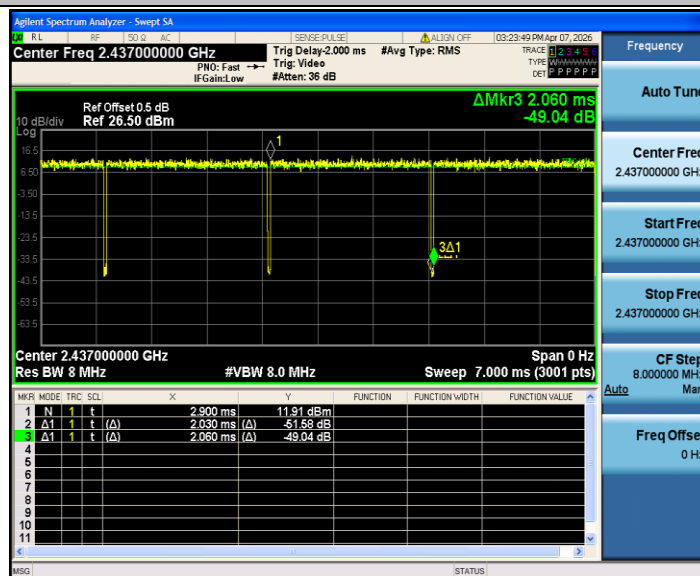




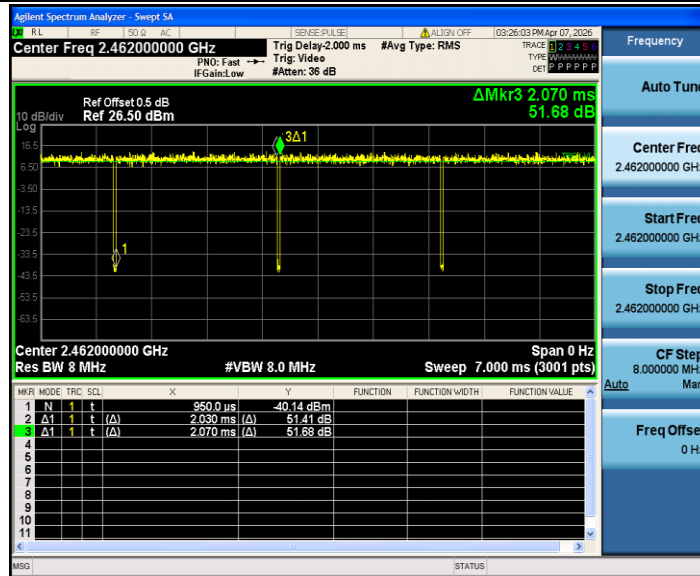
11G_Ant1_2412



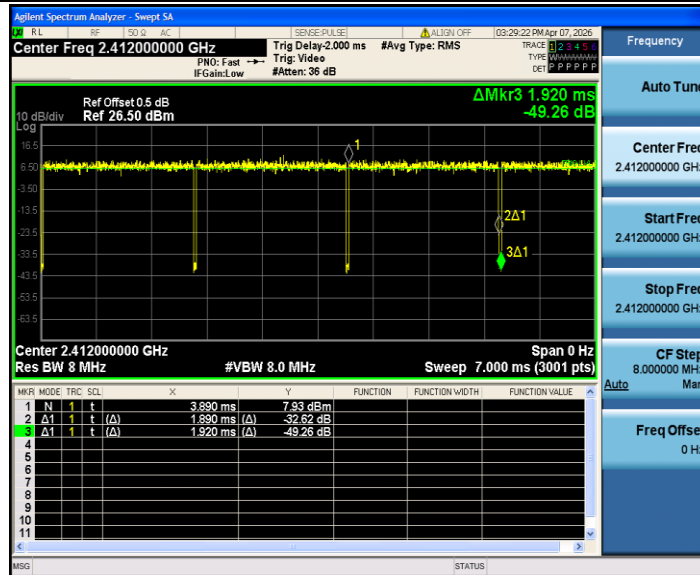
11G_Ant1_2437



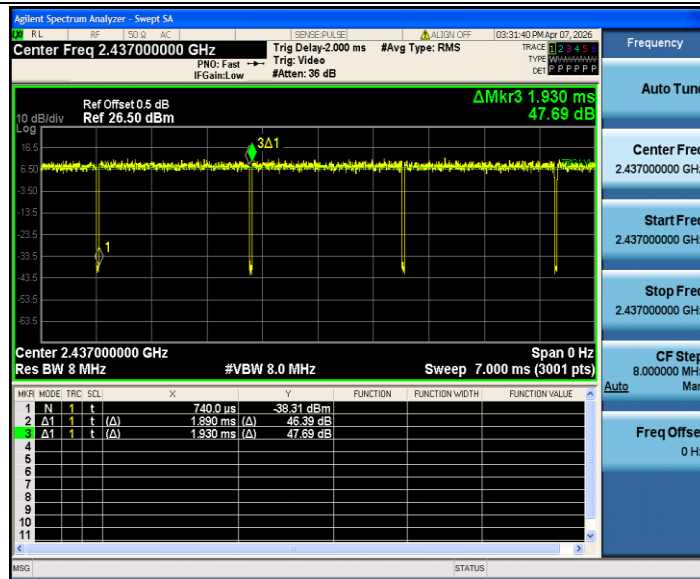
11G_Ant1_2462



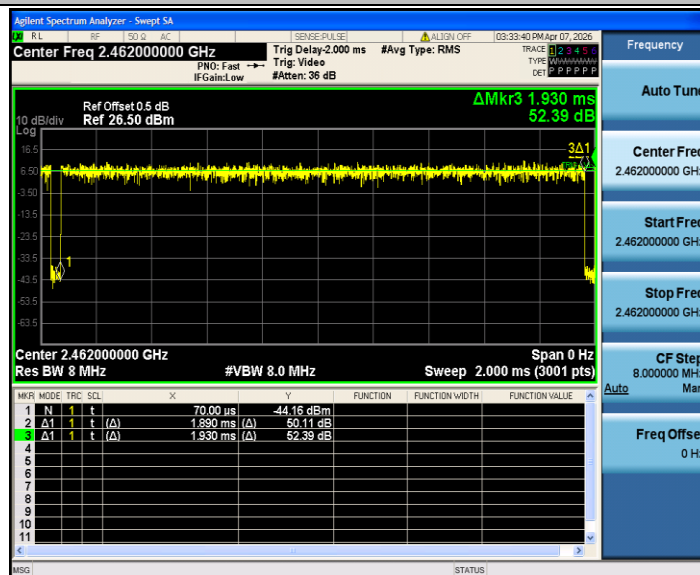
11N20SISO_Ant1_2412



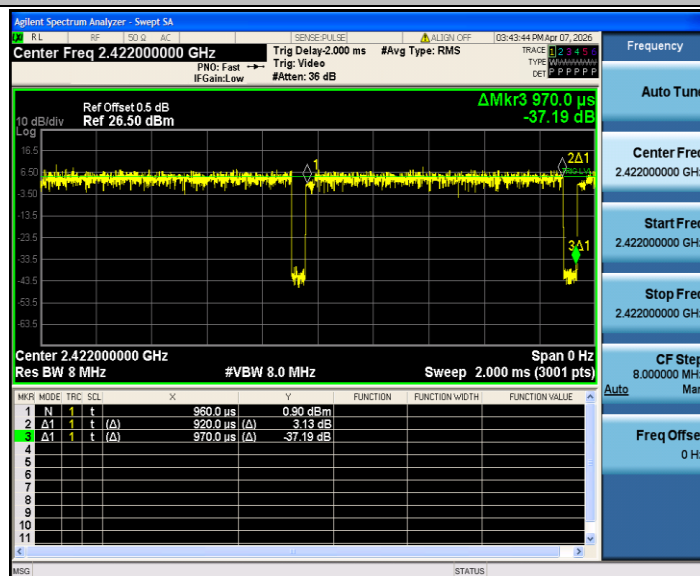
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



Appendix H: Emissions in Restricted Bands

Test Result

TestMode	Antenna	Channel Name	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	-59.58	2.04	0.03	37.69	≤54	PASS
				AV	2389.570	-56.73	2.04	0.03	40.54	≤54	PASS
				AV	2390.000	-57.2	2.04	0.03	40.07	≤54	PASS
				Peak	2310.000	-51.99	2.04	0.00	45.25	≤74	PASS
				Peak	2386.060	-47.93	2.04	0.00	49.31	≤74	PASS
				Peak	2390.000	-50.09	2.04	0.00	47.15	≤74	PASS
		High	2462	AV	2483.500	-56.49	2.04	0.03	40.78	≤54	PASS
				AV	2484.440	-56.2	2.04	0.03	41.07	≤54	PASS
				AV	2500.000	-58.93	2.04	0.03	38.34	≤54	PASS
				Peak	2483.500	-48.89	2.04	0.00	48.35	≤74	PASS
				Peak	2484.110	-47.29	2.04	0.00	49.95	≤74	PASS
				Peak	2500.000	-50.66	2.04	0.00	46.58	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-59.89	2.04	0.08	37.43	≤54	PASS
				AV	2389.570	-57.88	2.04	0.08	39.44	≤54	PASS
				AV	2390.000	-58.08	2.04	0.08	39.24	≤54	PASS
				Peak	2310.000	-51.19	2.04	0.00	46.05	≤74	PASS
				Peak	2326.780	-48.97	2.04	0.00	48.27	≤74	PASS
				Peak	2390.000	-50.35	2.04	0.00	46.89	≤74	PASS
		High	2462	AV	2483.500	-56.78	2.04	0.08	40.54	≤54	PASS
				AV	2485.760	-57.32	2.04	0.08	40	≤54	PASS
				AV	2500.000	-59.12	2.04	0.08	38.2	≤54	PASS
				Peak	2483.500	-48.15	2.04	0.00	49.09	≤74	PASS
				Peak	2484.220	-48.09	2.04	0.00	49.15	≤74	PASS
				Peak	2500.000	-49.99	2.04	0.00	47.25	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-59.69	2.04	0.07	37.62	≤54	PASS
				AV	2388.920	-58.11	2.04	0.07	39.2	≤54	PASS
				AV	2390.000	-58.39	2.04	0.07	38.92	≤54	PASS
				Peak	2310.000	-50.87	2.04	0.00	46.37	≤74	PASS
				Peak	2388.270	-48.34	2.04	0.00	48.9	≤74	PASS
				Peak	2390.000	-51.23	2.04	0.00	46.01	≤74	PASS
		High	2462	AV	2483.500	-57.51	2.04	0.09	39.82	≤54	PASS
				AV	2483.560	-57.3	2.04	0.09	40.03	≤54	PASS
				AV	2500.000	-59.39	2.04	0.09	37.94	≤54	PASS
				Peak	2483.500	-49.18	2.04	0.00	48.06	≤74	PASS
				Peak	2483.780	-48.55	2.04	0.00	48.69	≤74	PASS

				Peak	2500.000	-51.58	2.04	0.00	45.66	≤74	PASS
11N40SIS O	Ant1	Low	2422	AV	2310.000	-60.18	2.04	0.23	37.29	≤54	PASS
				AV	2389.700	-58.21	2.04	0.23	39.26	≤54	PASS
				AV	2390.000	-59.37	2.04	0.23	38.1	≤54	PASS
				Peak	2310.000	-51.34	2.04	0.00	45.9	≤74	PASS
				Peak	2388.650	-48.04	2.04	0.00	49.2	≤74	PASS
				Peak	2390.000	-49.93	2.04	0.00	47.31	≤74	PASS
		High	2452	AV	2483.500	-57.85	2.04	0.23	39.62	≤54	PASS
				AV	2485.375	-57.65	2.04	0.23	39.82	≤54	PASS
				AV	2500.000	-59.24	2.04	0.23	38.23	≤54	PASS
				Peak	2483.500	-49.52	2.04	0.00	47.72	≤74	PASS
				Peak	2489.875	-47.26	2.04	0.00	49.98	≤74	PASS
				Peak	2500.000	-50.47	2.04	0.00	46.77	≤74	PASS

Note:

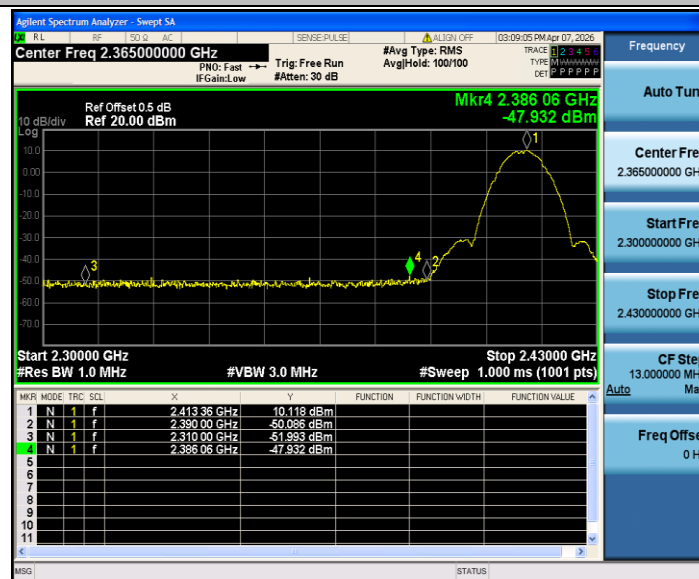
The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

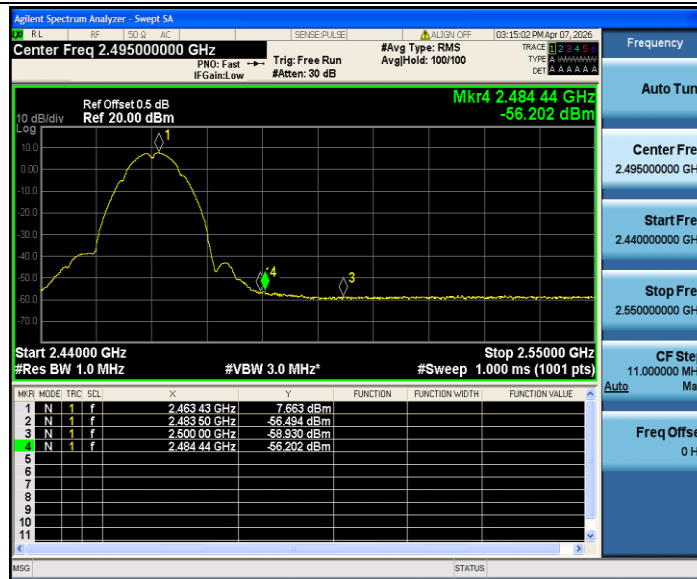
11B_Ant1_Low_2412_AV



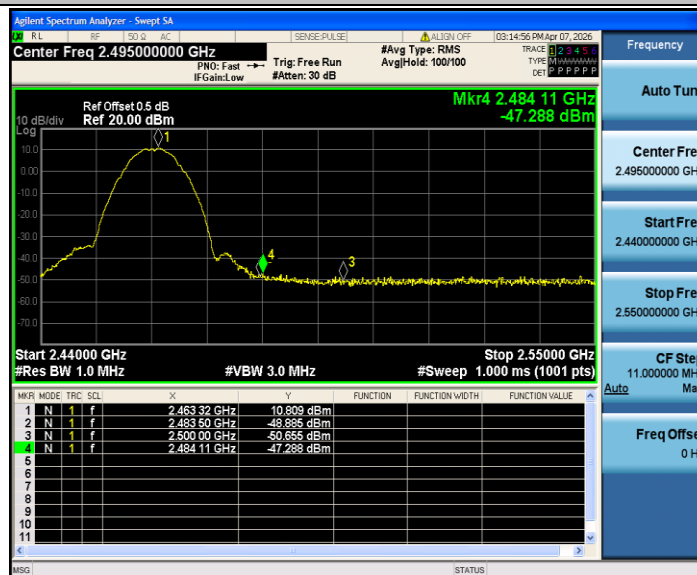
11B_Ant1_Low_2412_Peak



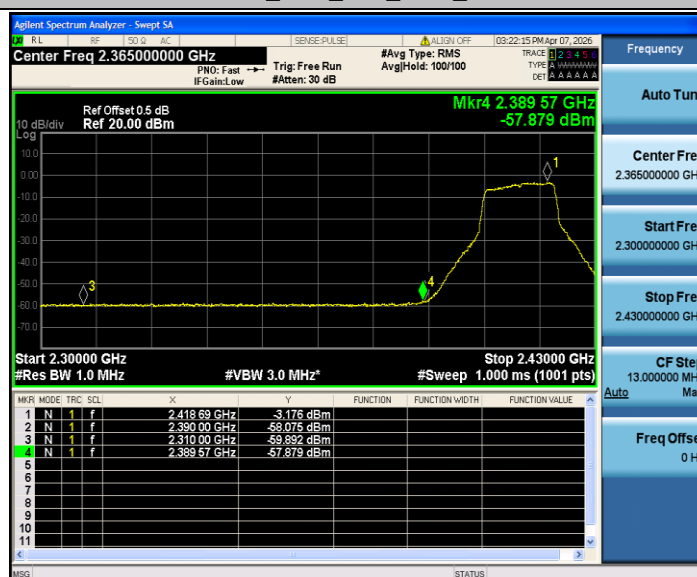
11B_Ant1_High_2462_AV



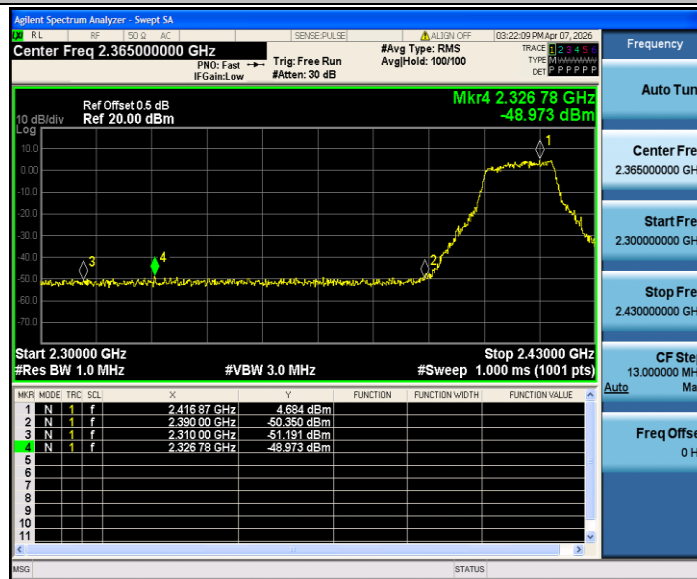
11B_Ant1_High_2462_Peak



11G_Ant1_Low_2412_AV



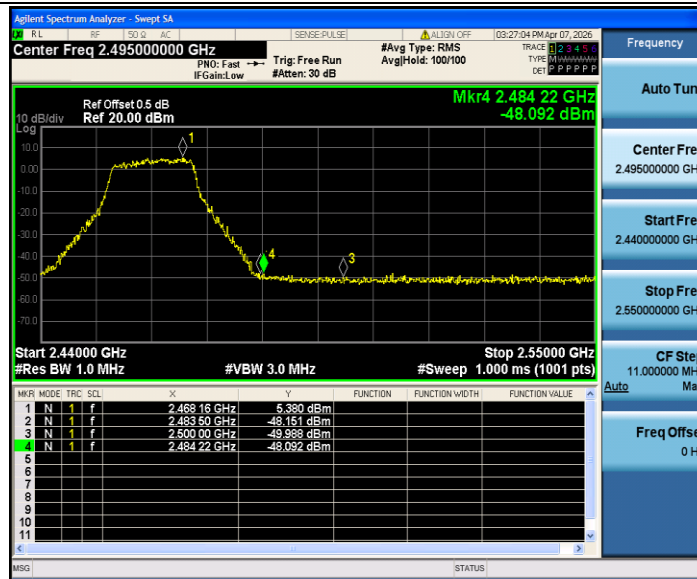
11G_Ant1_Low_2412_Peak



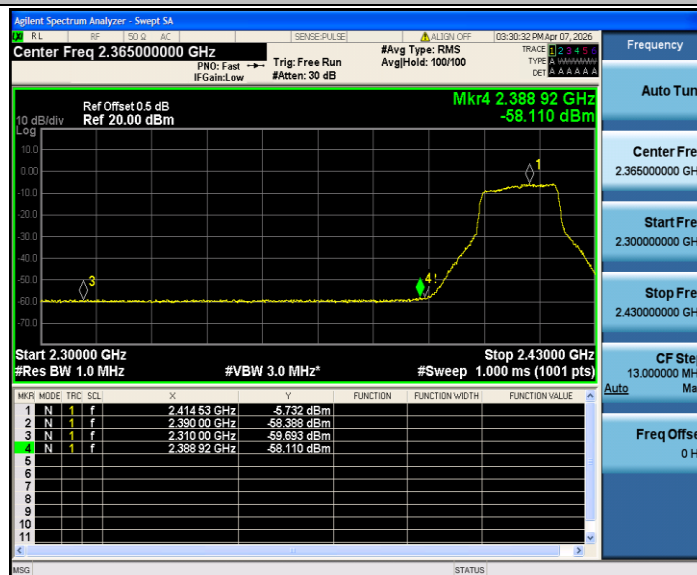
11G_Ant1_High_2462_AV



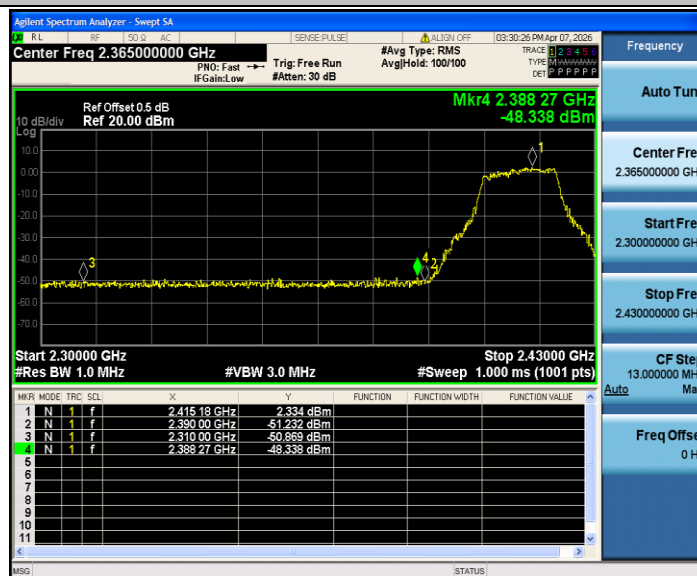
11G_Ant1_High_2462_Peak



11N20SISO_Ant1_Low_2412_AV



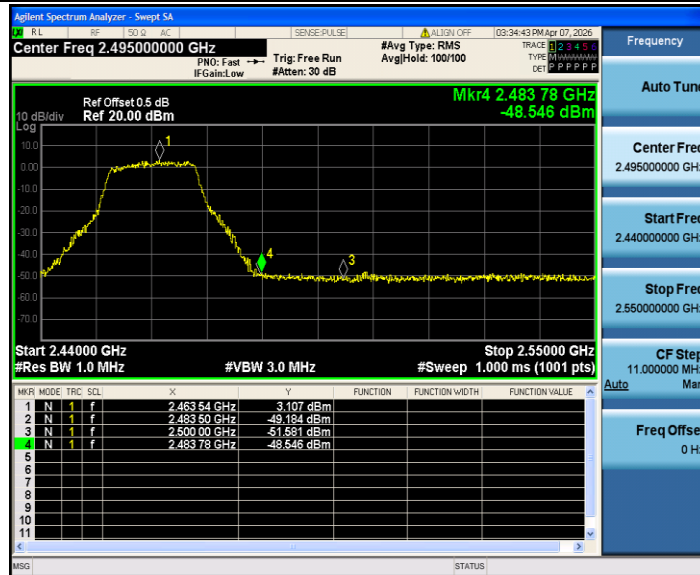
11N20SISO_Ant1_Low_2412_Peak



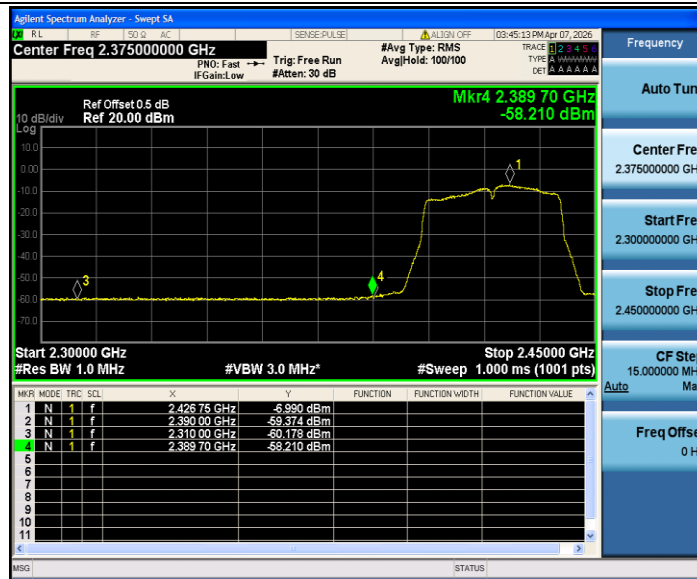
11N20SISO_Ant1_High_2462_AV



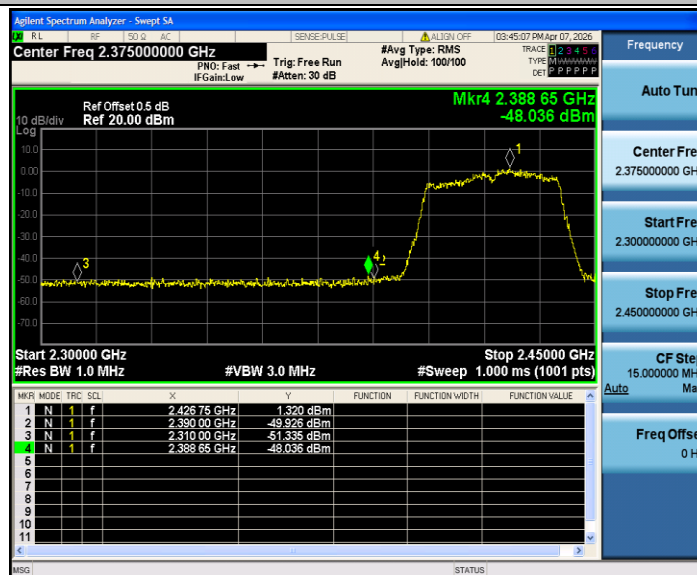
11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV



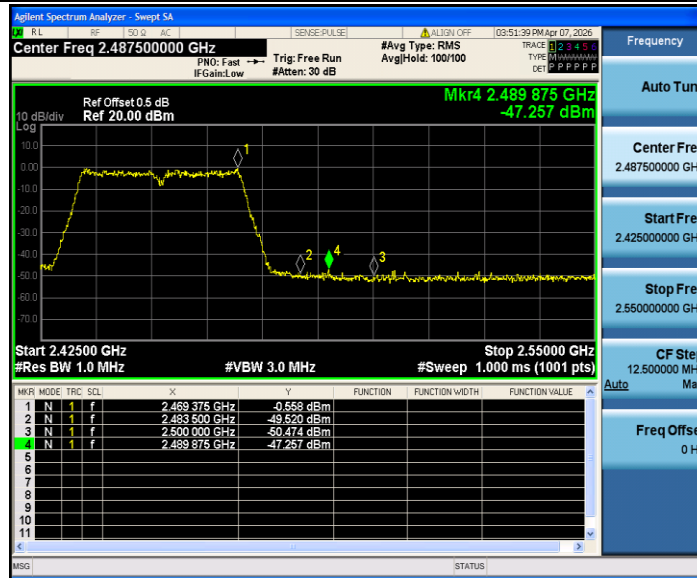
11N40SISO_Ant1_Low_2422_Peak



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	8.640	2408.000	2416.640	0.5	PASS
		2437	8.640	2432.520	2441.160	0.5	PASS
		2462	9.120	2457.520	2466.640	0.5	PASS
11G	Ant2	2412	15.800	2404.400	2420.200	0.5	PASS
		2437	16.200	2428.880	2445.080	0.5	PASS
		2462	16.240	2454.000	2470.240	0.5	PASS
11N20SISO	Ant2	2412	17.360	2403.480	2420.840	0.5	PASS
		2437	17.120	2428.400	2445.520	0.5	PASS
		2462	17.200	2453.480	2470.680	0.5	PASS
11N40SISO	Ant2	2422	35.440	2404.720	2440.160	0.5	PASS
		2437	36.240	2418.920	2455.160	0.5	PASS
		2452	36.240	2434.000	2470.240	0.5	PASS

Test Graphs

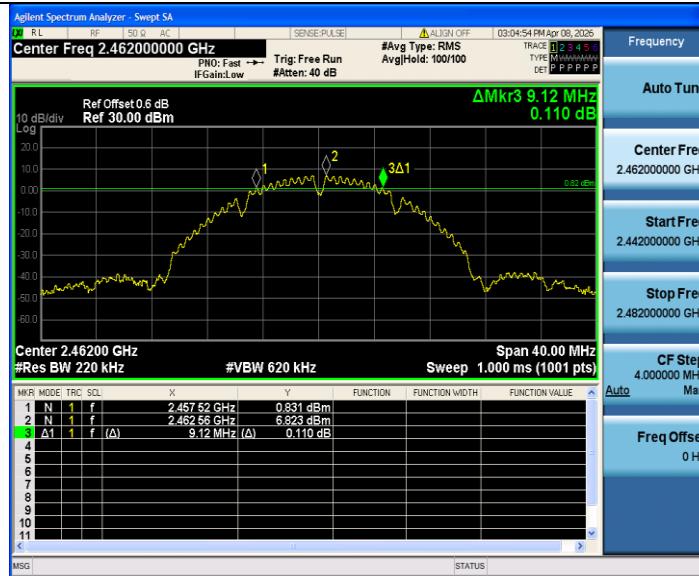
11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462

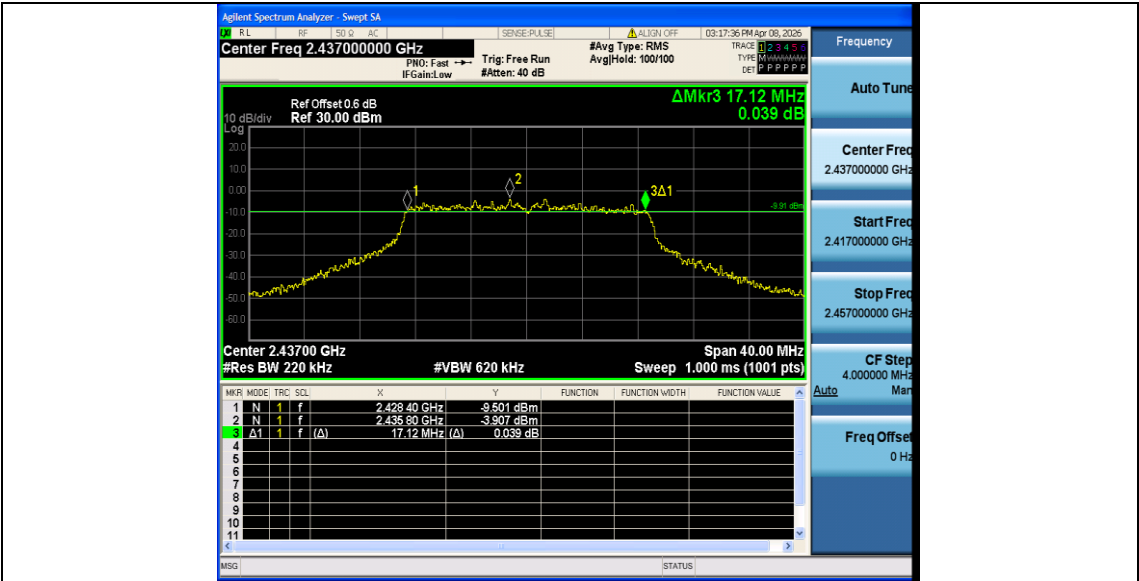


11G_Ant2_2412

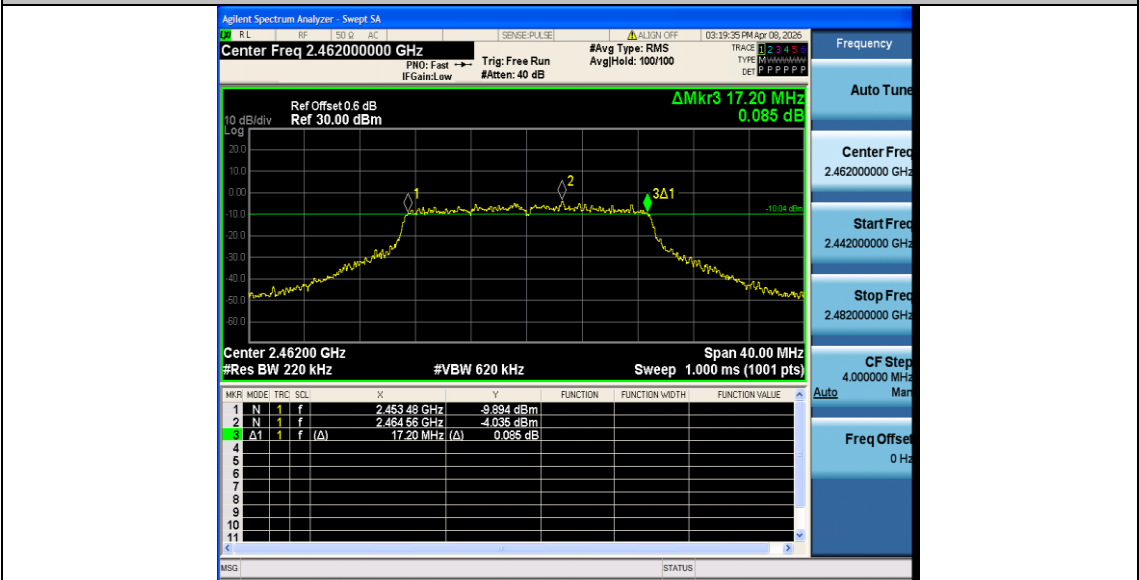


11G_Ant2_2437

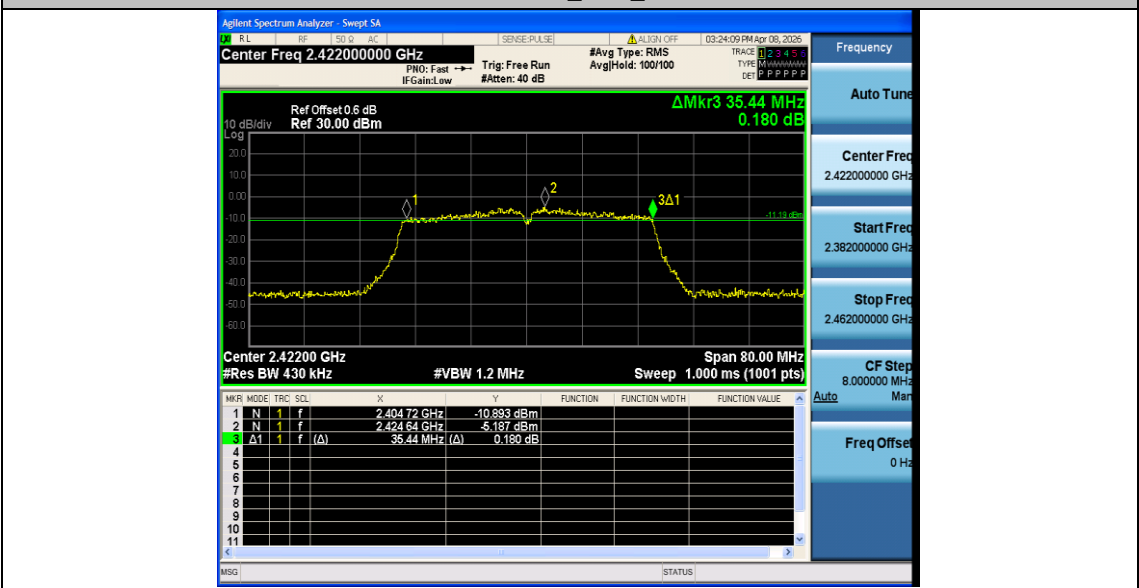




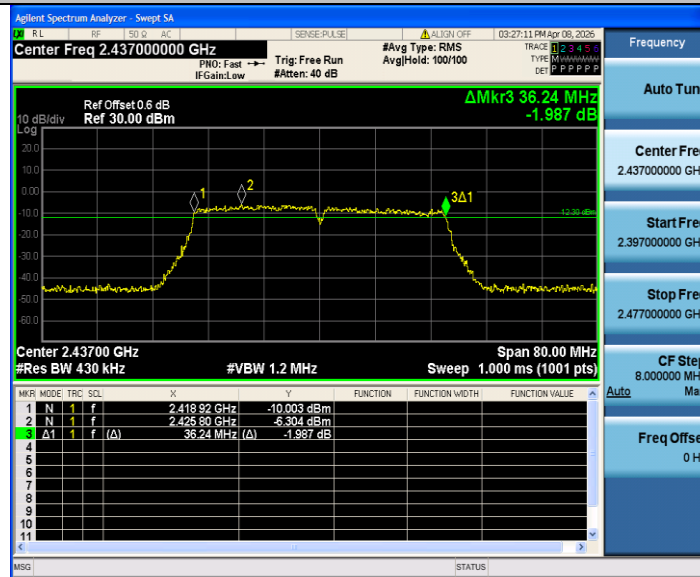
11N20SISO_Ant2_2462



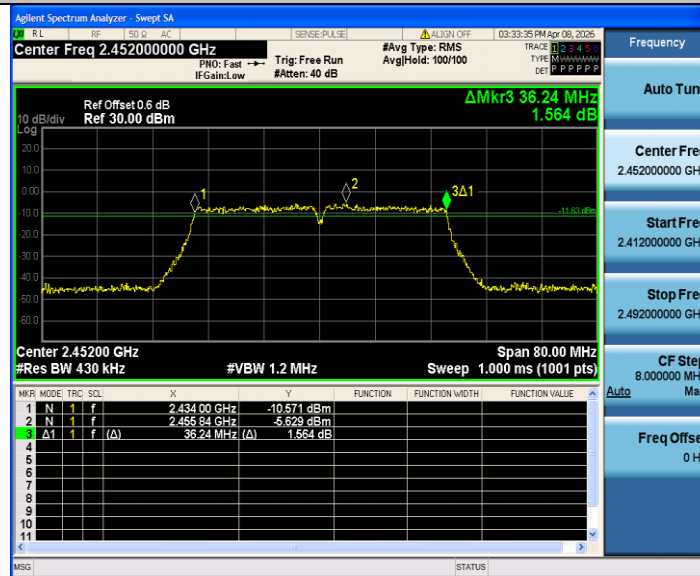
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



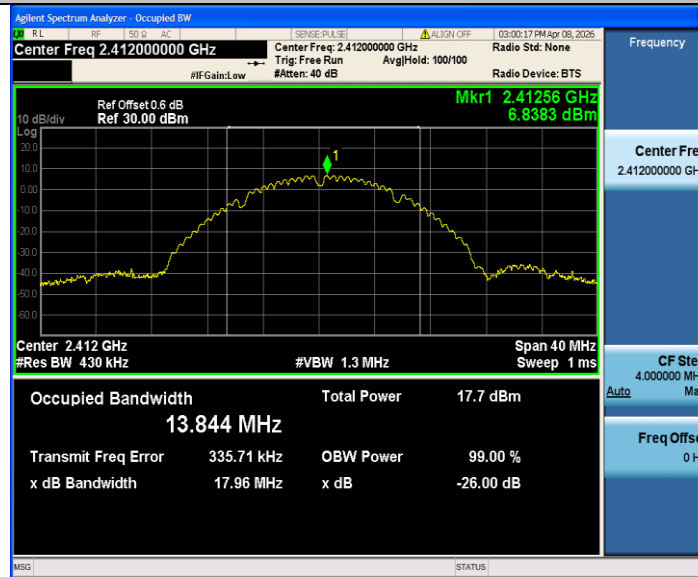
Appendix B: Occupied Channel Bandwidth

Test Result

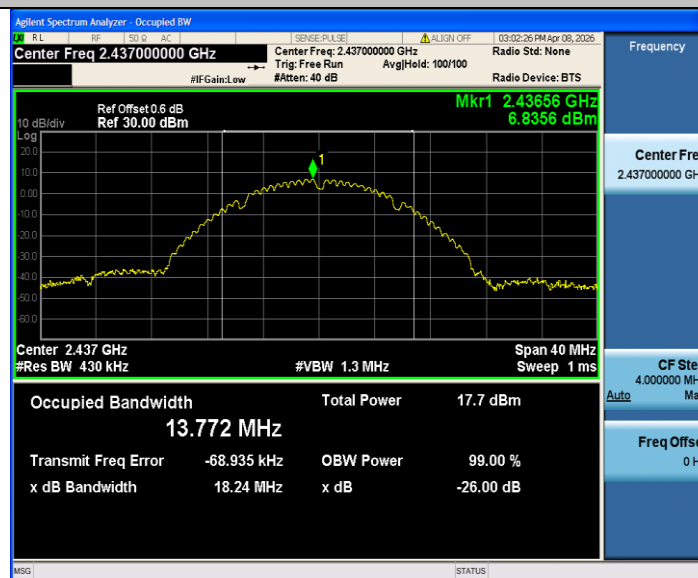
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	13.844	2405.4137	2419.2577	---	---
		2437	13.772	2430.0451	2443.8171	---	---
		2462	13.937	2455.1566	2469.0936	---	---
11G	Ant2	2412	16.878	2403.7602	2420.6382	---	---
		2437	16.861	2428.5699	2445.4309	---	---
		2462	16.841	2453.7056	2470.5466	---	---
11N20SISO	Ant2	2412	18.048	2403.1781	2421.2261	---	---
		2437	18.037	2427.9821	2446.0191	---	---
		2462	17.952	2453.1315	2471.0835	---	---
11N40SISO	Ant2	2422	36.092	2404.1638	2440.2558	---	---
		2437	36.348	2418.9001	2455.2481	---	---
		2452	36.425	2433.8573	2470.2823	---	---

Test Graphs

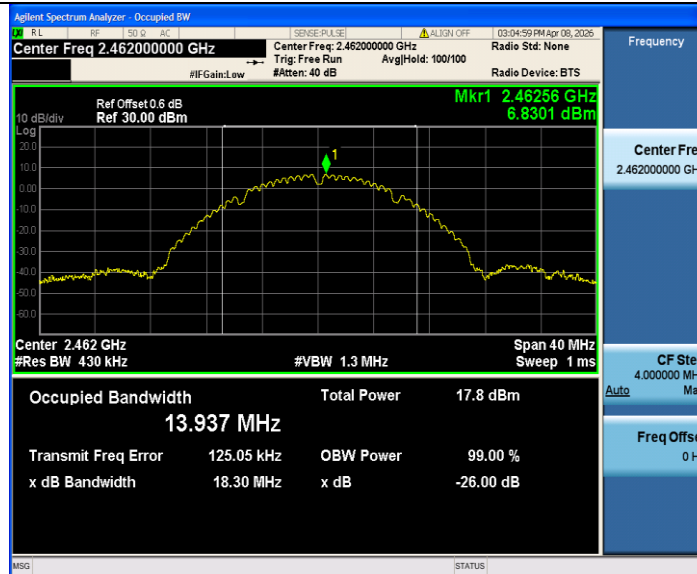
11B_Ant2_2412



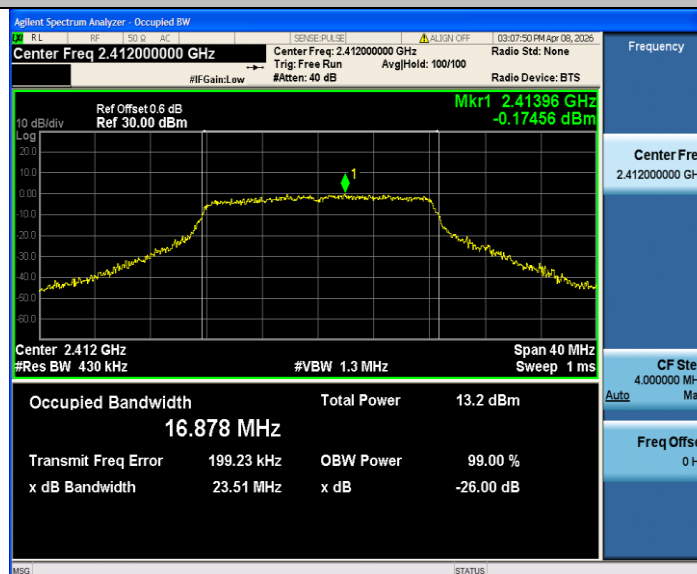
11B_Ant2_2437



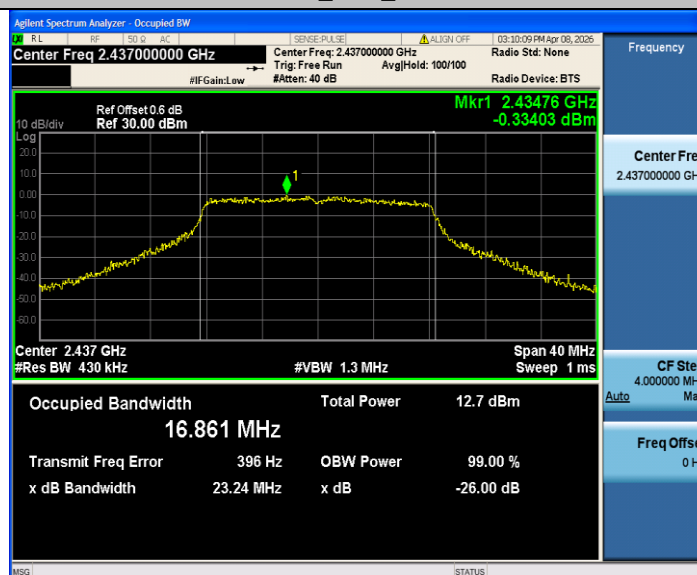
11B_Ant2_2462



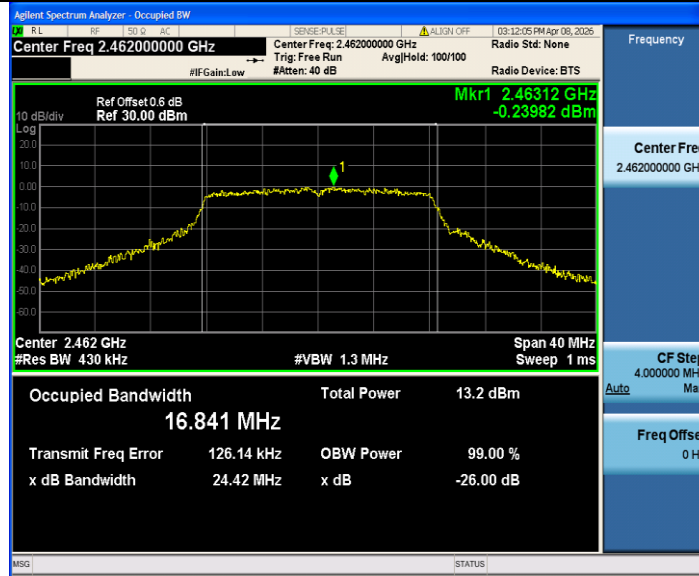
11G_Ant2_2412



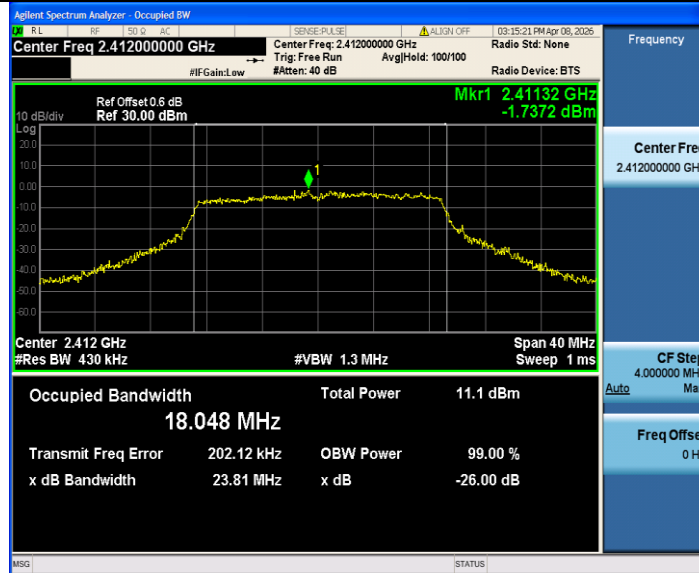
11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



11N20SISO_Ant2_2437