

Appendix A of WIFI Results

DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2408.040	2416.080	0.5	PASS
11B	Ant1	2437	8.120	2432.960	2441.080	0.5	PASS
11B	Ant1	2462	8.600	2457.960	2466.560	0.5	PASS
11G	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
11G	Ant1	2437	14.160	2430.760	2444.920	0.5	PASS
11G	Ant1	2462	15.080	2454.480	2469.560	0.5	PASS
11N20SISO	Ant1	2412	17.480	2403.280	2420.760	0.5	PASS
11N20SISO	Ant1	2437	15.920	2429.480	2445.400	0.5	PASS
11N20SISO	Ant1	2462	13.800	2454.520	2468.320	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
11N40SISO	Ant1	2437	35.120	2419.480	2454.600	0.5	PASS
11N40SISO	Ant1	2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



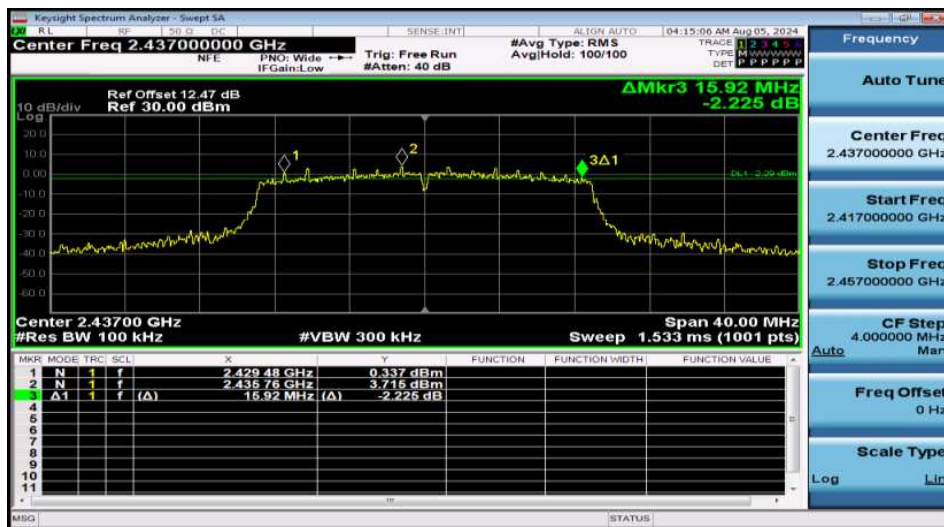
11G-Ant1-2437-PASS



11G-Ant1-2462-PASS



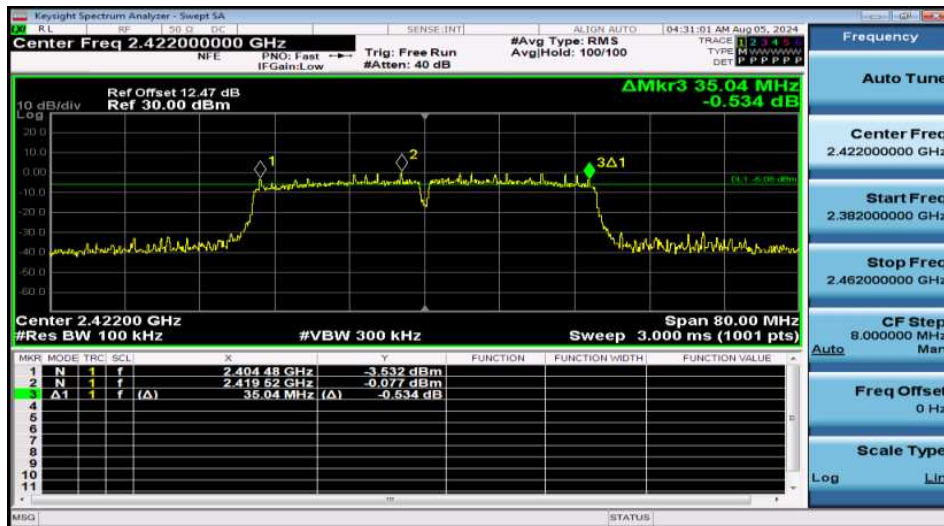
11N20SISO-Ant1-2412-PASS



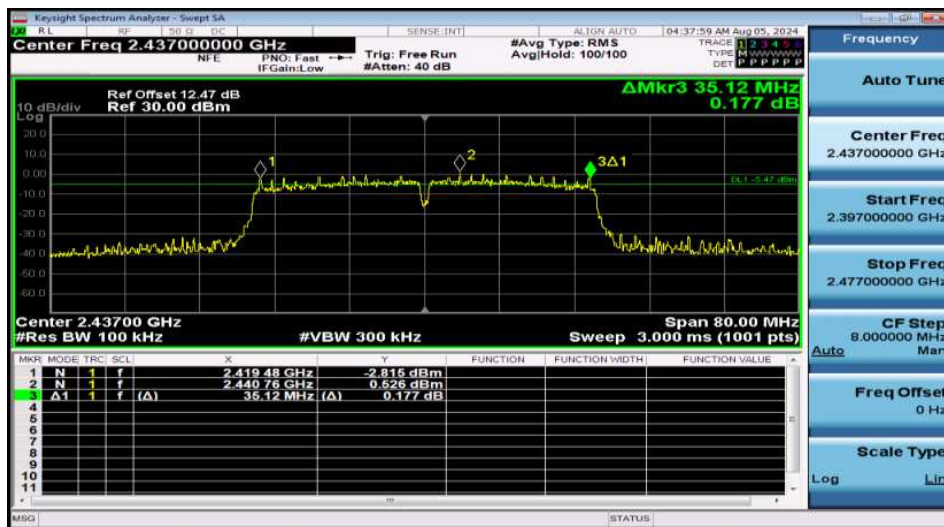
11N20SISO-Ant1-2437-PASS



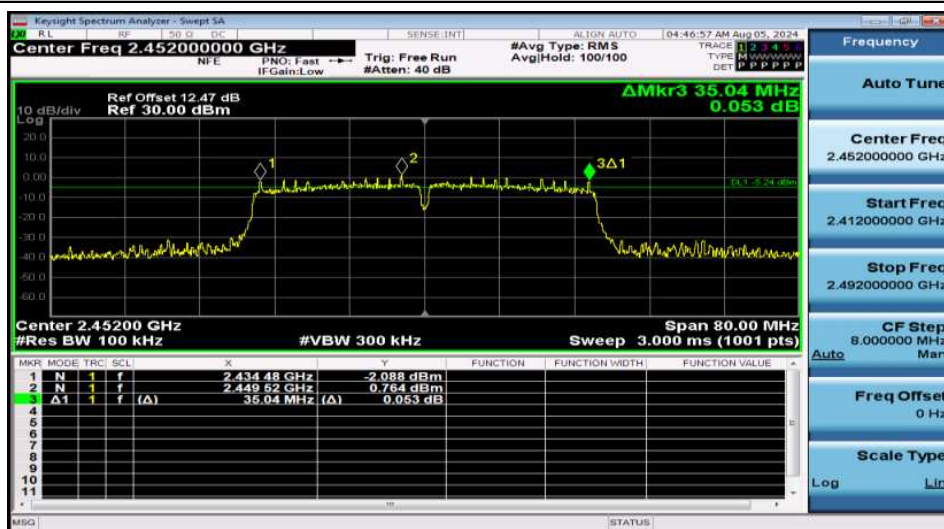
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.723	2405.6758	2418.3988	---	---
11B	Ant1	2437	12.582	2430.7655	2443.3475	---	---
11B	Ant1	2462	12.584	2455.7097	2468.2937	---	---
11G	Ant1	2412	16.921	2403.5429	2420.4639	---	---
11G	Ant1	2437	16.889	2428.6144	2445.5034	---	---
11G	Ant1	2462	16.913	2453.5500	2470.4630	---	---
11N20SISO	Ant1	2412	17.755	2403.1496	2420.9046	---	---
11N20SISO	Ant1	2437	17.774	2428.1640	2445.9380	---	---
11N20SISO	Ant1	2462	17.750	2453.1075	2470.8575	---	---
11N40SISO	Ant1	2422	36.134	2404.0202	2440.1542	---	---
11N40SISO	Ant1	2437	36.064	2419.0672	2455.1312	---	---
11N40SISO	Ant1	2452	35.975	2434.0509	2470.0259	---	---

Test Graphs



11B-Ant1-2412



11B-Ant1-2437



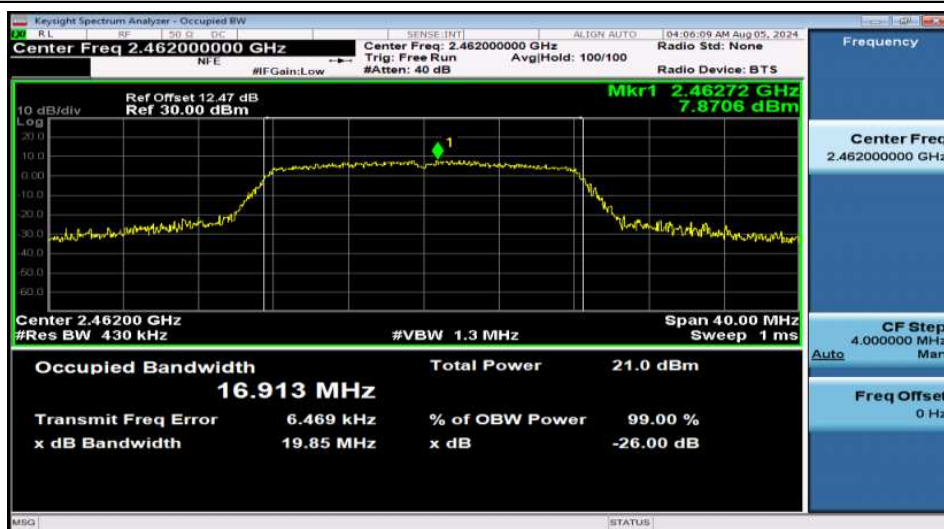
11B-Ant1-2462



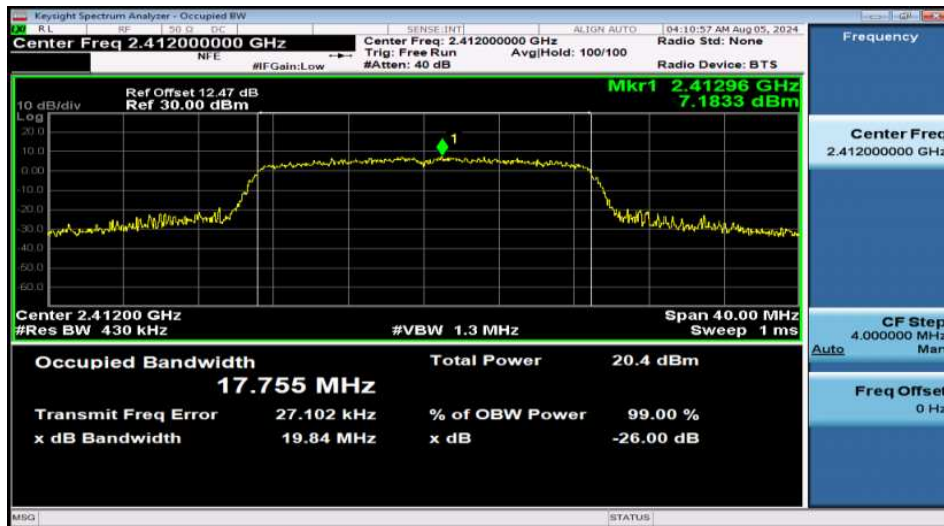
11G-Ant1-2412



11G-Ant1-2437



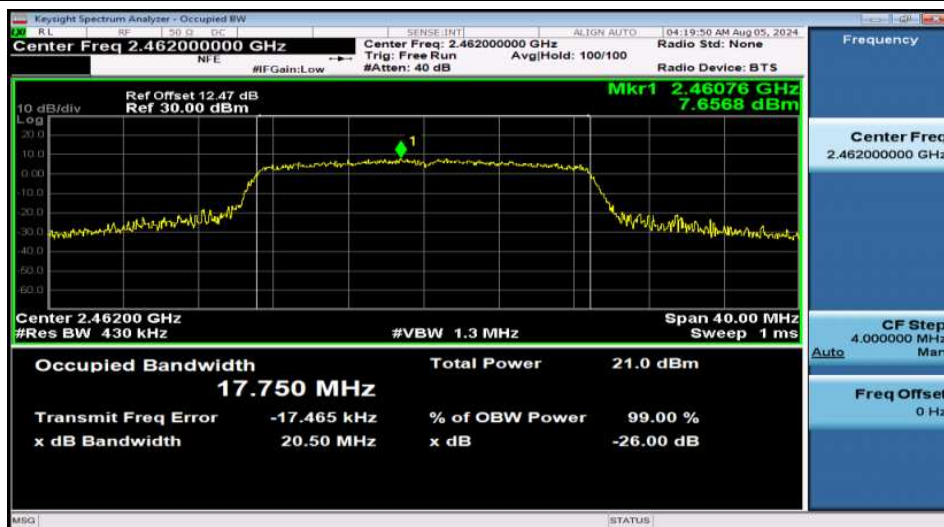
11G-Ant1-2462



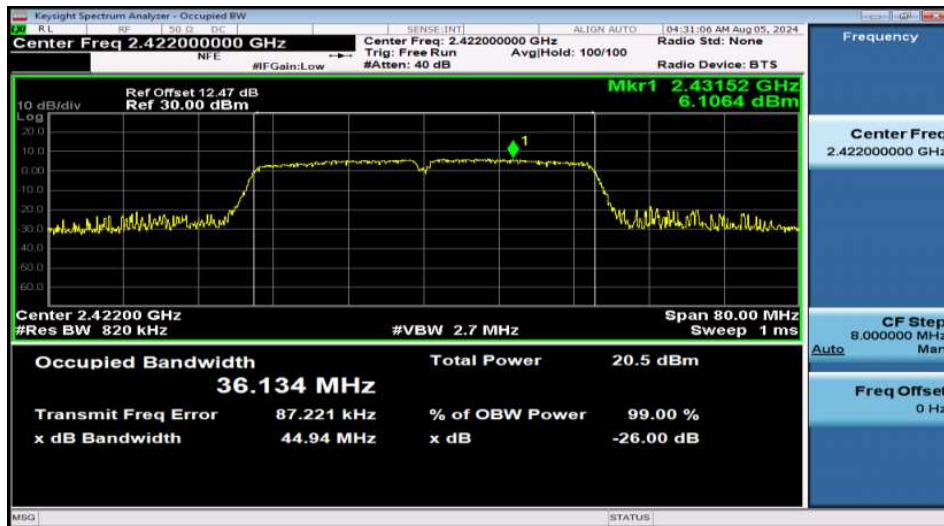
11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



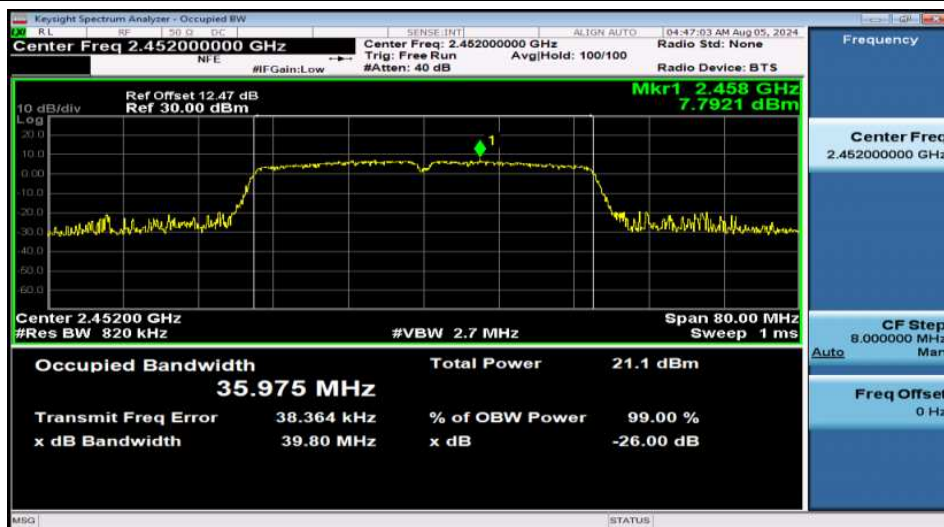
11N20SISO-Ant1-2462



11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



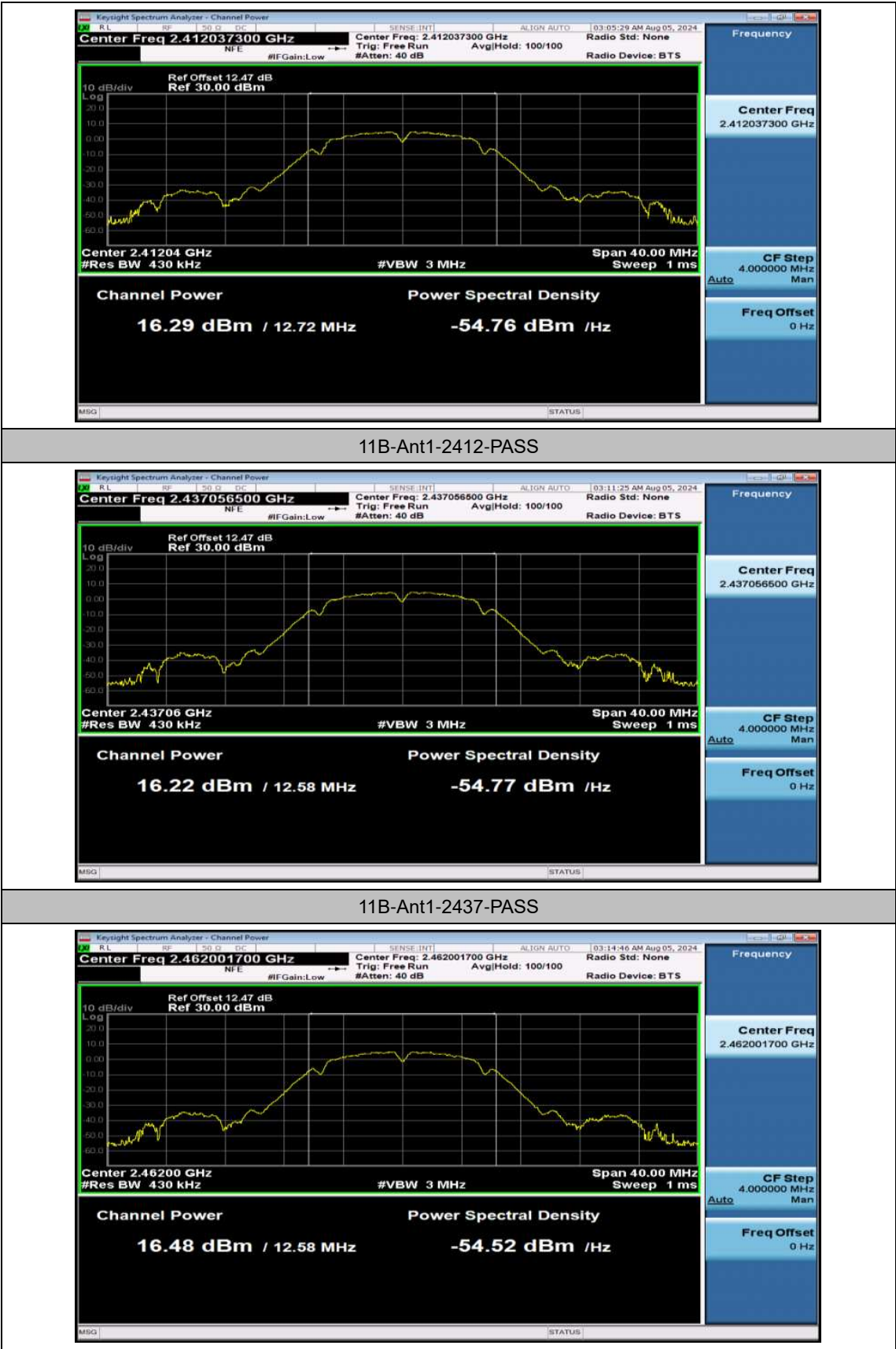
11N40SISO-Ant1-2452

Maximum conducted output power

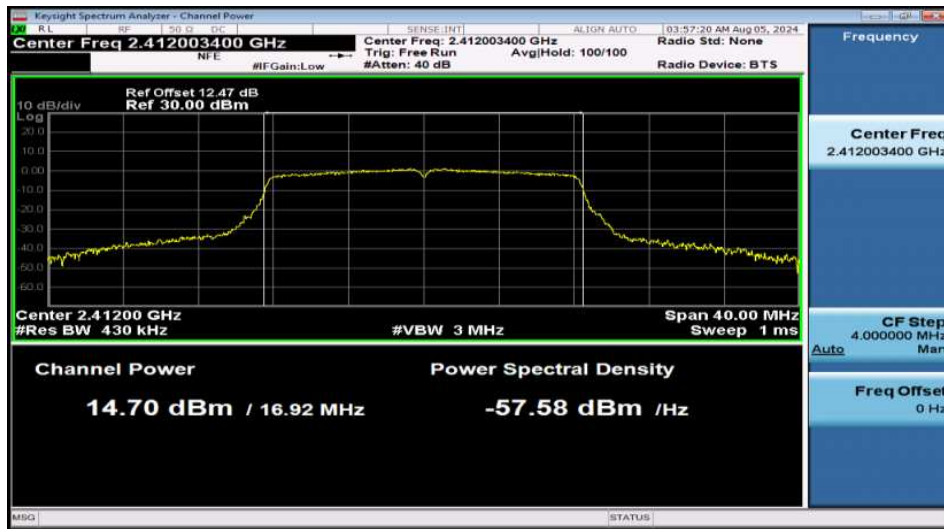
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	16.29	99.64	0.02	16.31	≤30.00	1.11	17.42	≤36.00	PASS
11B	Ant1	2437	16.22	99.64	0.02	16.24	≤30.00	1.11	17.35	≤36.00	PASS
11B	Ant1	2462	16.48	99.76	0.01	16.49	≤30.00	1.11	17.60	≤36.00	PASS
11G	Ant1	2412	14.70	97.89	0.09	14.79	≤30.00	1.11	15.90	≤36.00	PASS
11G	Ant1	2437	14.72	97.89	0.09	14.81	≤30.00	1.11	15.92	≤36.00	PASS
11G	Ant1	2462	14.58	97.90	0.09	14.67	≤30.00	1.11	15.78	≤36.00	PASS
11N20SI SO	Ant1	2412	14.16	97.74	0.10	14.26	≤30.00	1.11	15.37	≤36.00	PASS
11N20SI SO	Ant1	2437	14.48	97.74	0.10	14.58	≤30.00	1.11	15.69	≤36.00	PASS
11N20SI SO	Ant1	2462	14.84	96.99	0.13	14.97	≤30.00	1.11	16.08	≤36.00	PASS
11N40SI SO	Ant1	2422	13.45	94.20	0.26	13.71	≤30.00	1.11	14.82	≤36.00	PASS
11N40SI SO	Ant1	2437	13.93	95.59	0.20	14.13	≤30.00	1.11	15.24	≤36.00	PASS
11N40SI SO	Ant1	2452	13.10	94.20	0.26	13.36	≤30.00	1.11	14.47	≤36.00	PASS

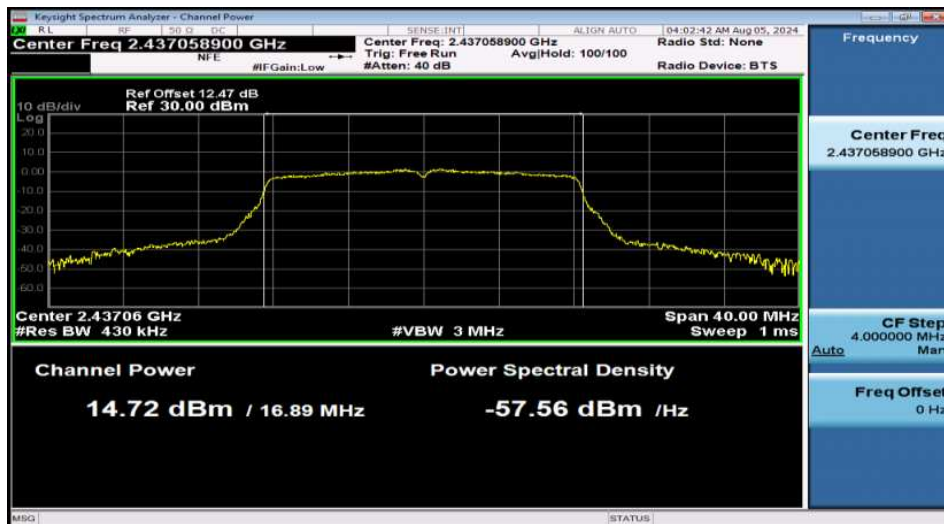
Test Graphs Average



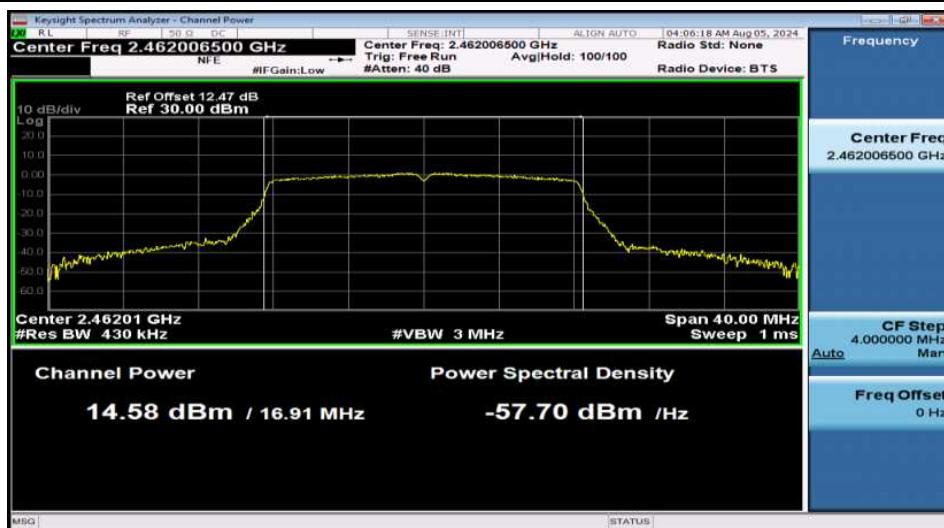
11B-Ant1-2462-PASS



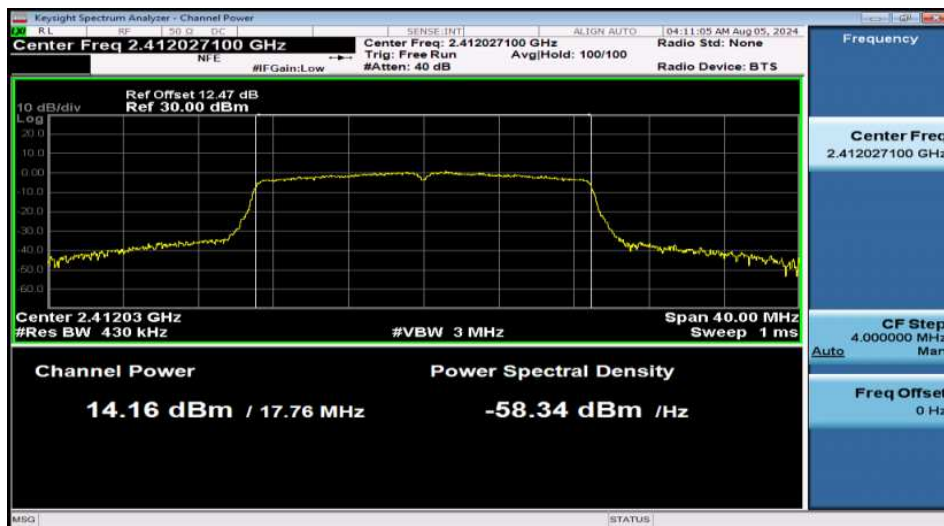
11G-Ant1-2412-PASS



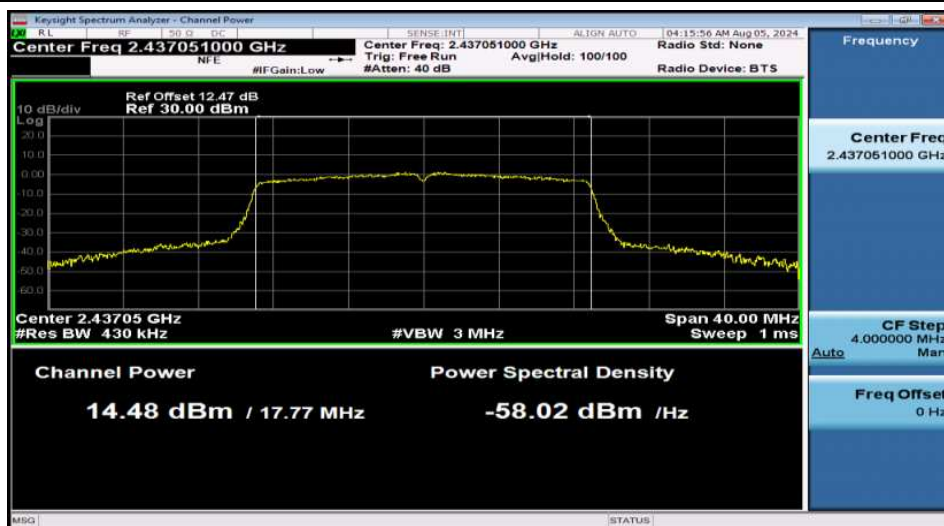
11G-Ant1-2437-PASS



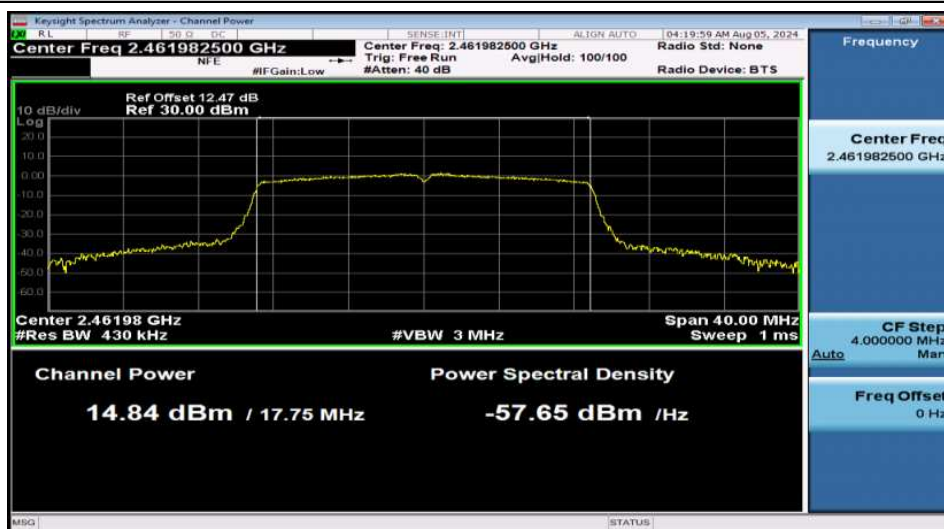
11G-Ant1-2462-PASS



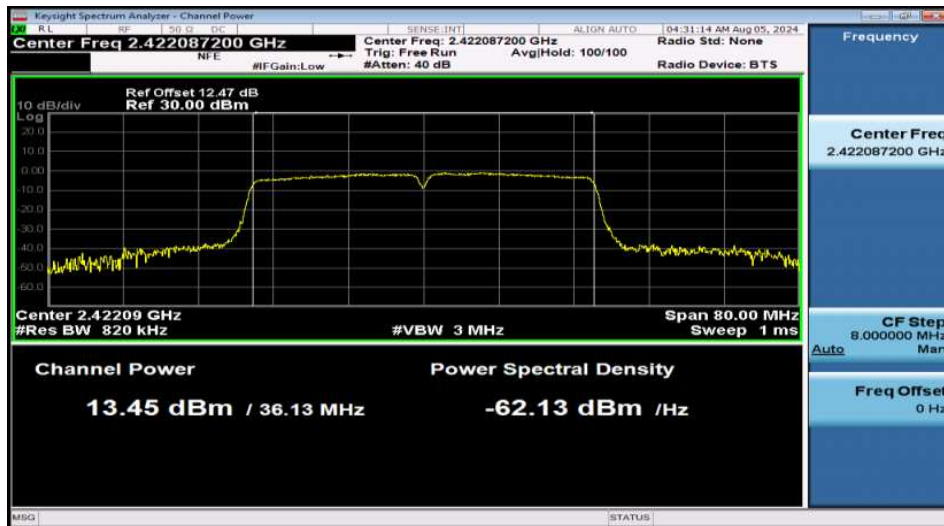
11N20SISO-Ant1-2412-PASS



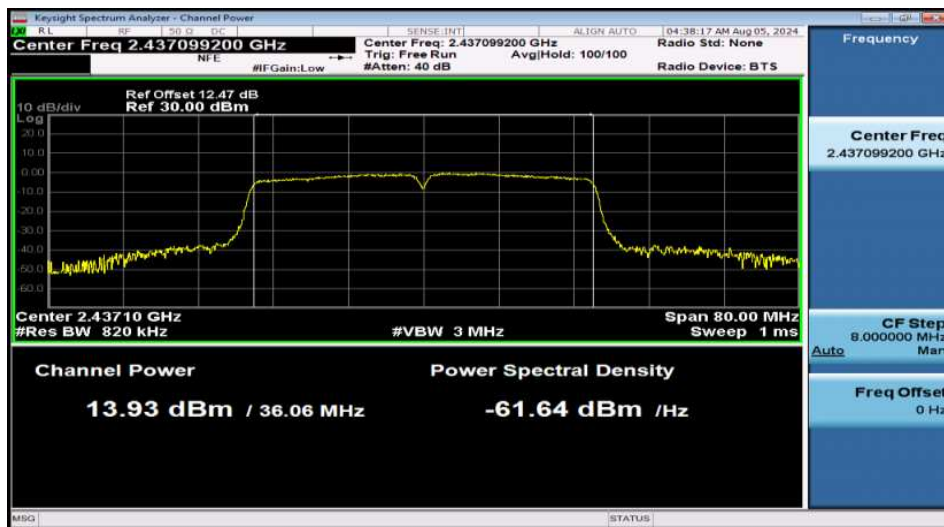
11N20SISO-Ant1-2437-PASS



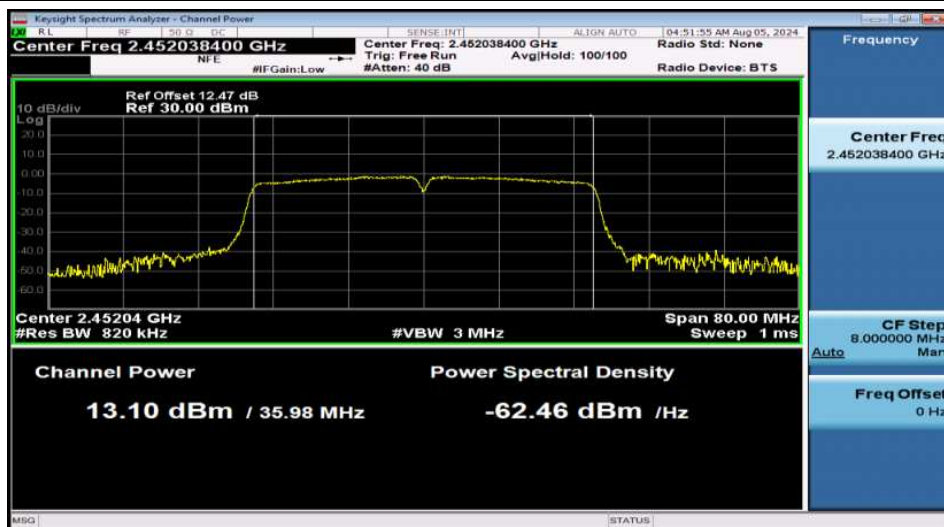
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

FCC ID: 2AV7A-TD02

IC: 26039-TD02

Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.03	≤8.00	PASS
11B	Ant1	2437	-15.24	≤8.00	PASS
11B	Ant1	2462	-15.02	≤8.00	PASS
11G	Ant1	2412	-18.28	≤8.00	PASS
11G	Ant1	2437	-17.99	≤8.00	PASS
11G	Ant1	2462	-17.77	≤8.00	PASS
11N20SISO	Ant1	2412	-18.82	≤8.00	PASS
11N20SISO	Ant1	2437	-18.09	≤8.00	PASS
11N20SISO	Ant1	2462	-18.00	≤8.00	PASS
11N40SISO	Ant1	2422	-21.60	≤8.00	PASS
11N40SISO	Ant1	2437	-20.38	≤8.00	PASS
11N40SISO	Ant1	2452	-20.95	≤8.00	PASS

Test Graphs



11B-Ant1-2412-PASS



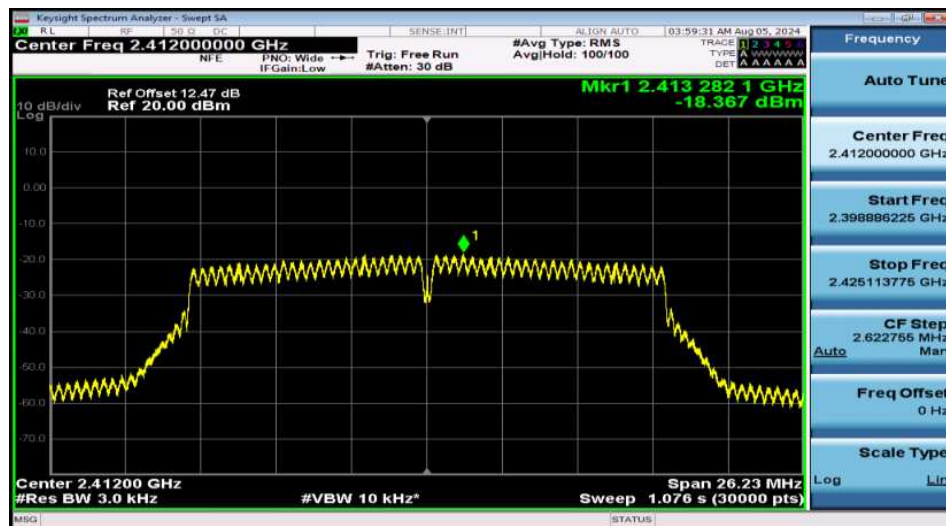
11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

FCC ID: 2AV7A-TD02

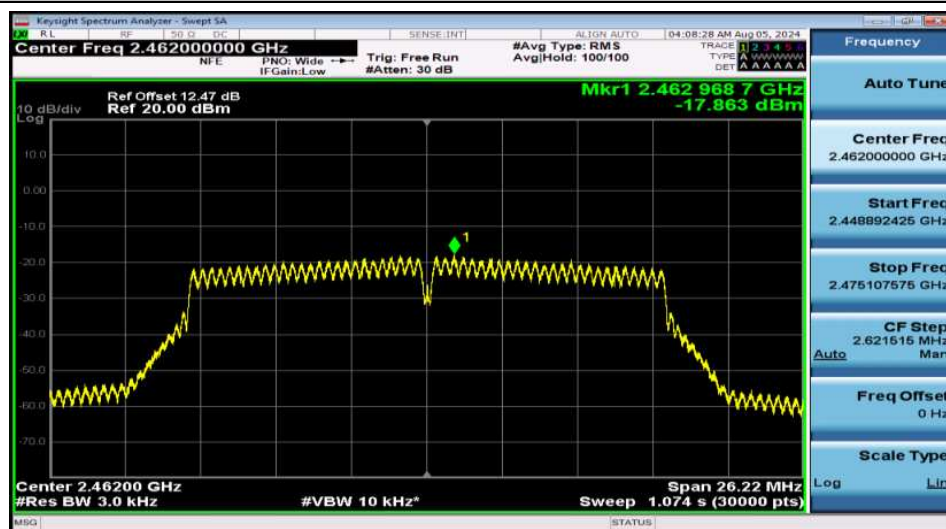
IC: 26039-TD02



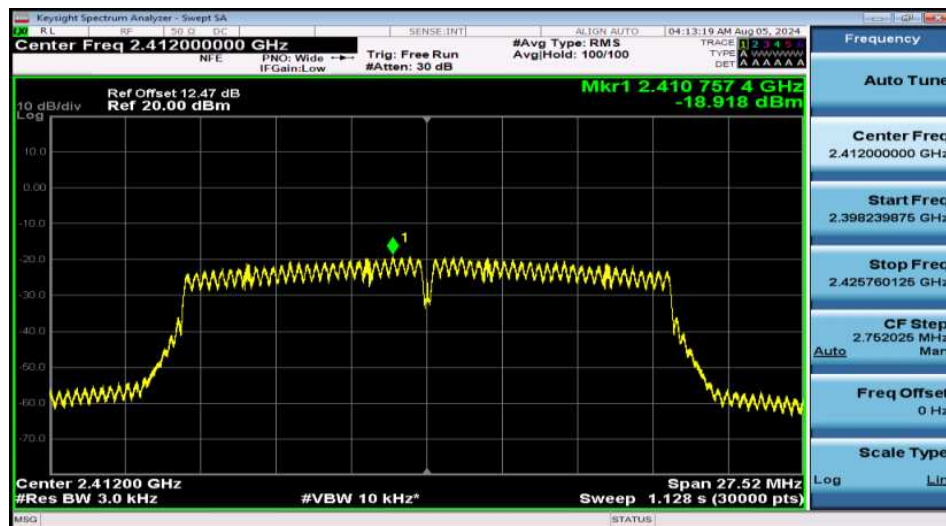
11G-Ant1-2412-PASS



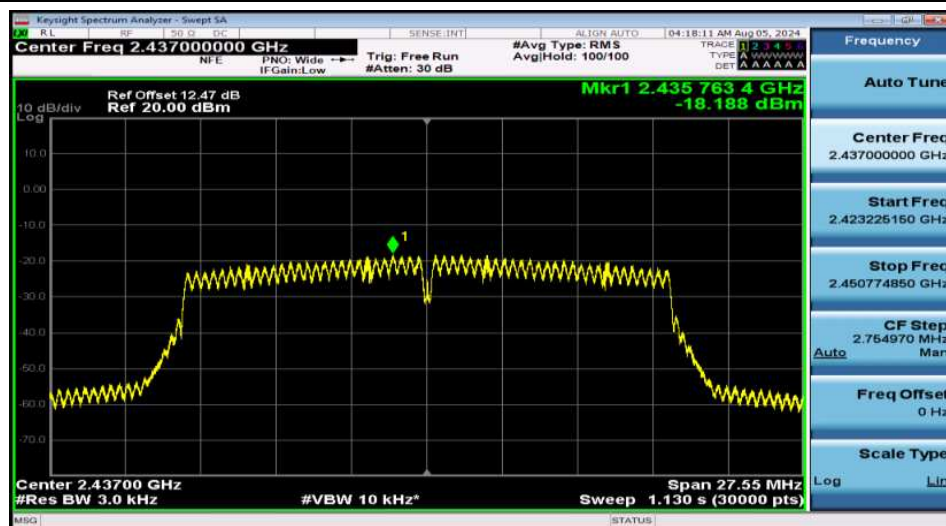
11G-Ant1-2437-PASS



11G-Ant1-2462-PASS



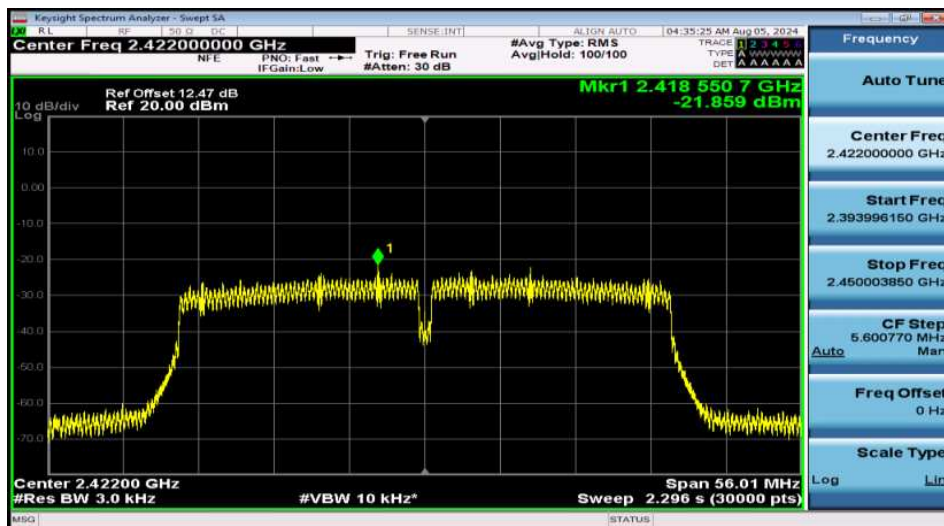
11N20SISO-Ant1-2412-PASS



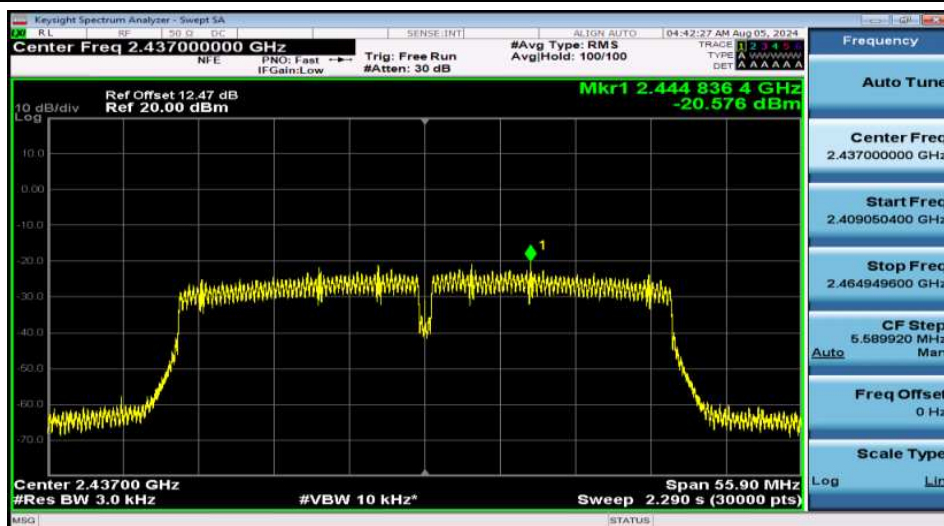
11N20SISO-Ant1-2437-PASS



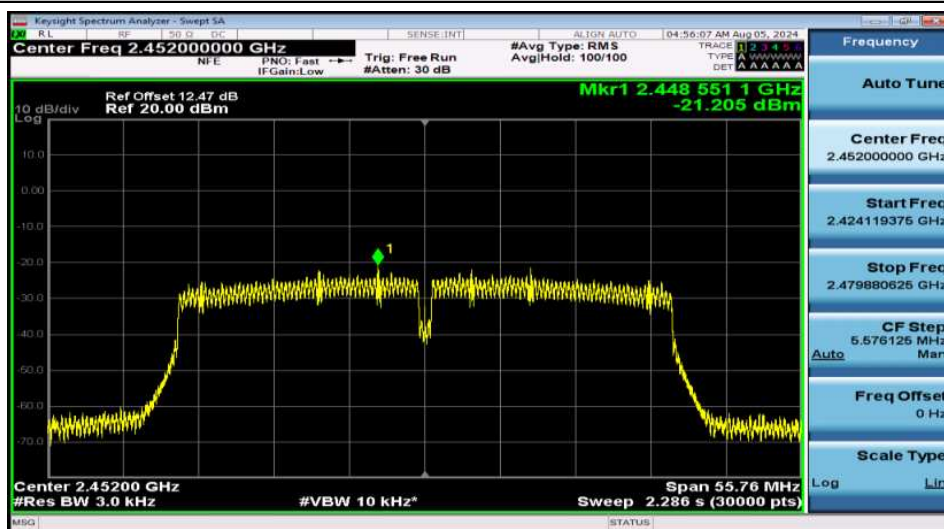
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



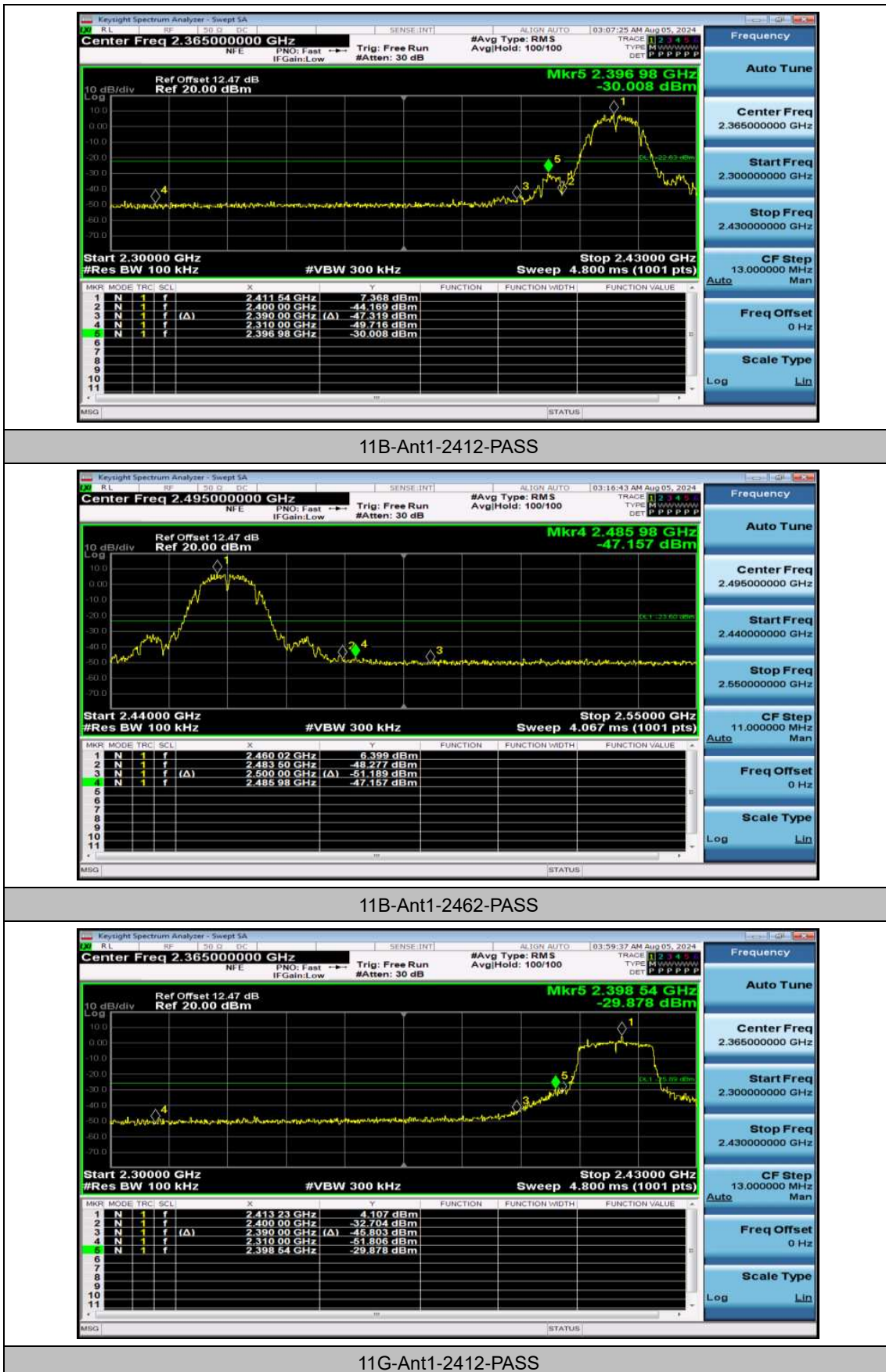
11N40SISO-Ant1-2452-PASS

Band edge measurements

Test Result

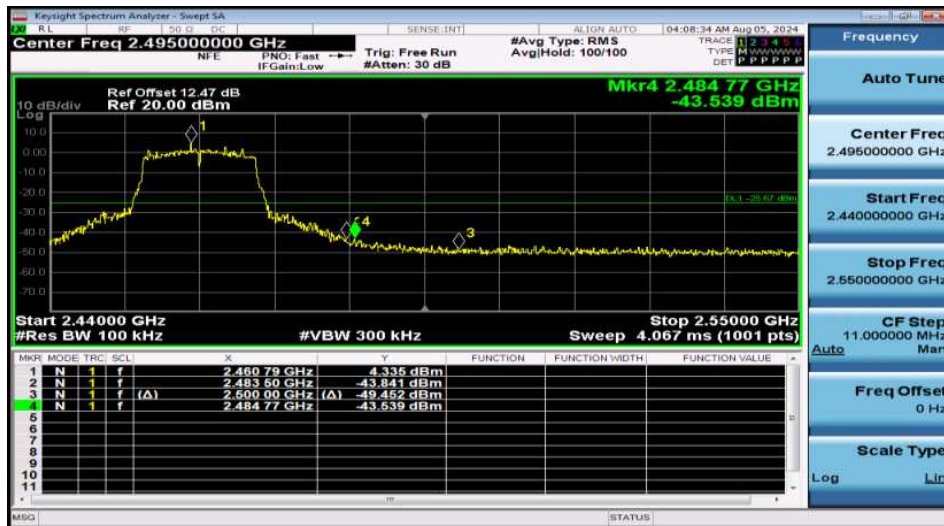
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.37	-30.01	≤-22.63	PASS
11B	Ant1	High	2462	6.40	-47.16	≤-23.6	PASS
11G	Ant1	Low	2412	4.11	-29.88	≤-25.89	PASS
11G	Ant1	High	2462	4.34	-43.54	≤-25.67	PASS
11N20SISO	Ant1	Low	2412	3.00	-30.96	≤-27	PASS
11N20SISO	Ant1	High	2462	4.43	-41.8	≤-25.57	PASS
11N40SISO	Ant1	Low	2422	-0.50	-33.73	≤-30.5	PASS
11N40SISO	Ant1	High	2452	0.38	-33.37	≤-29.62	PASS

Test Graphs

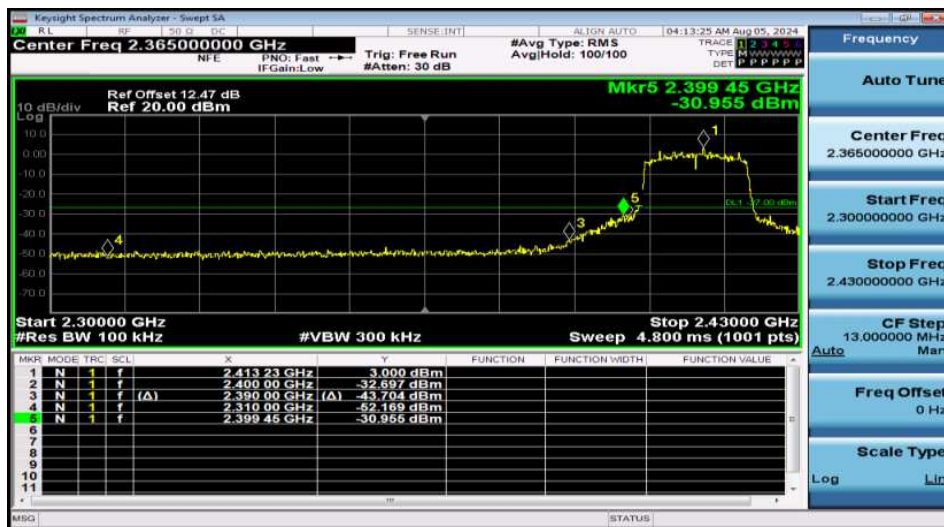


FCC ID: 2AV7A-TD02

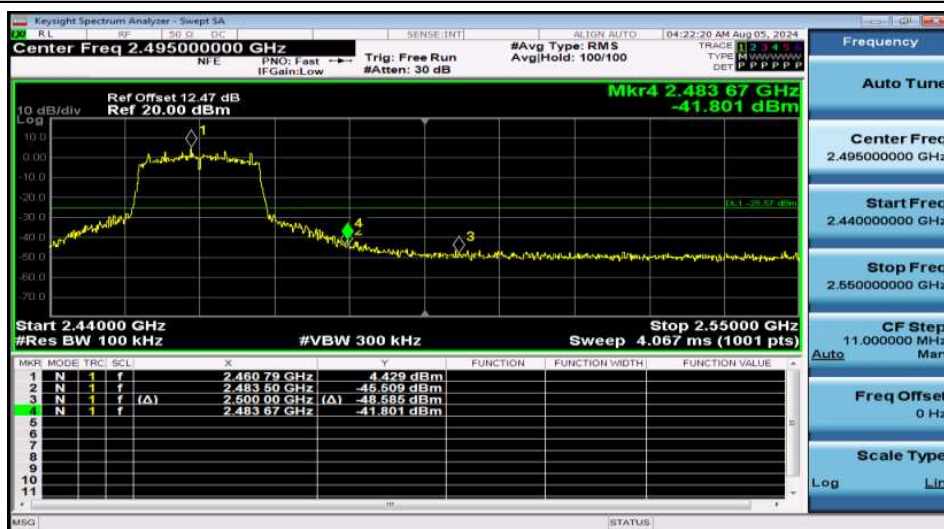
IC: 26039-TD02



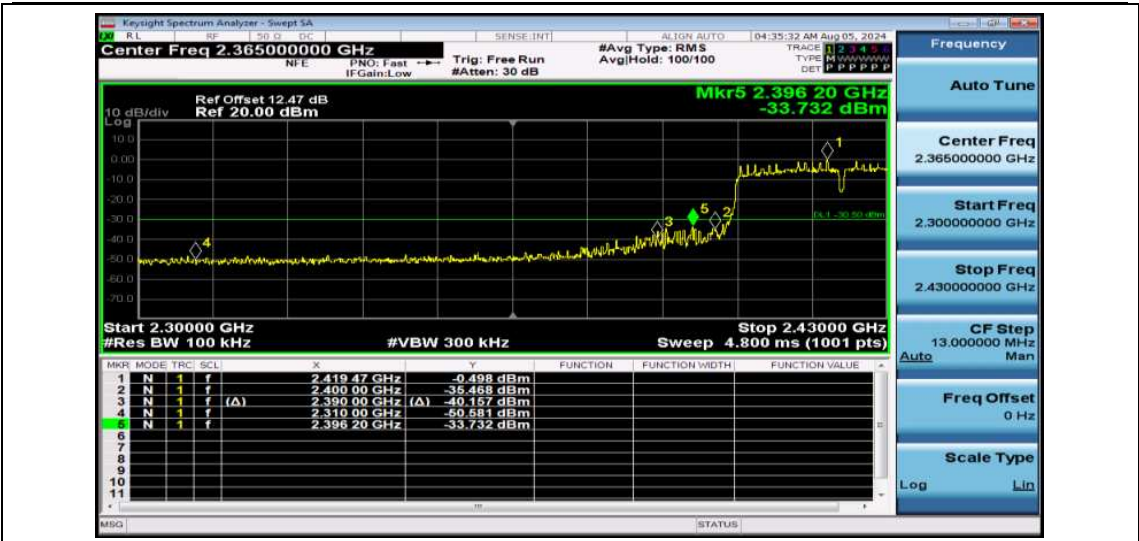
11G-Ant1-2462-PASS



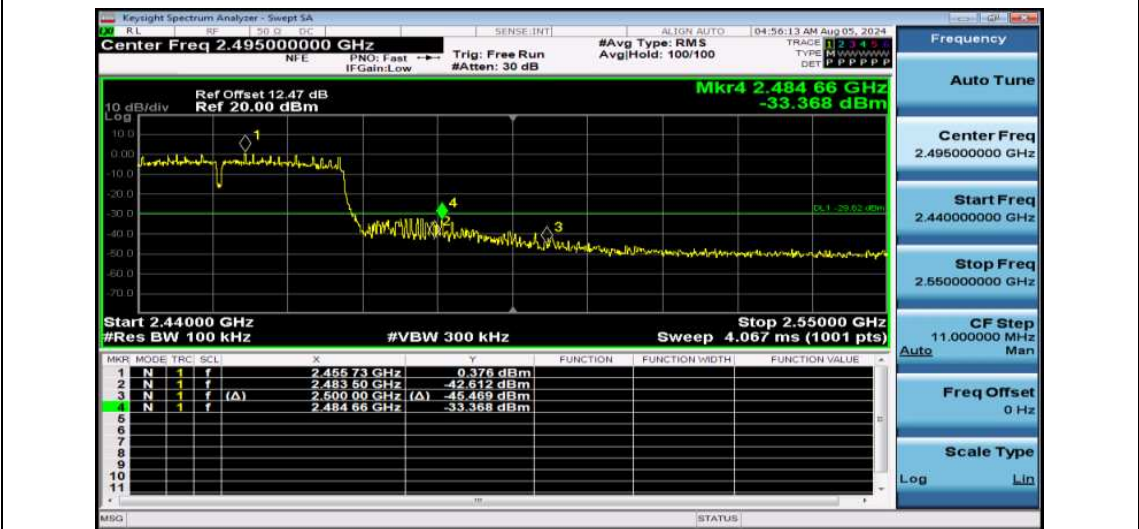
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



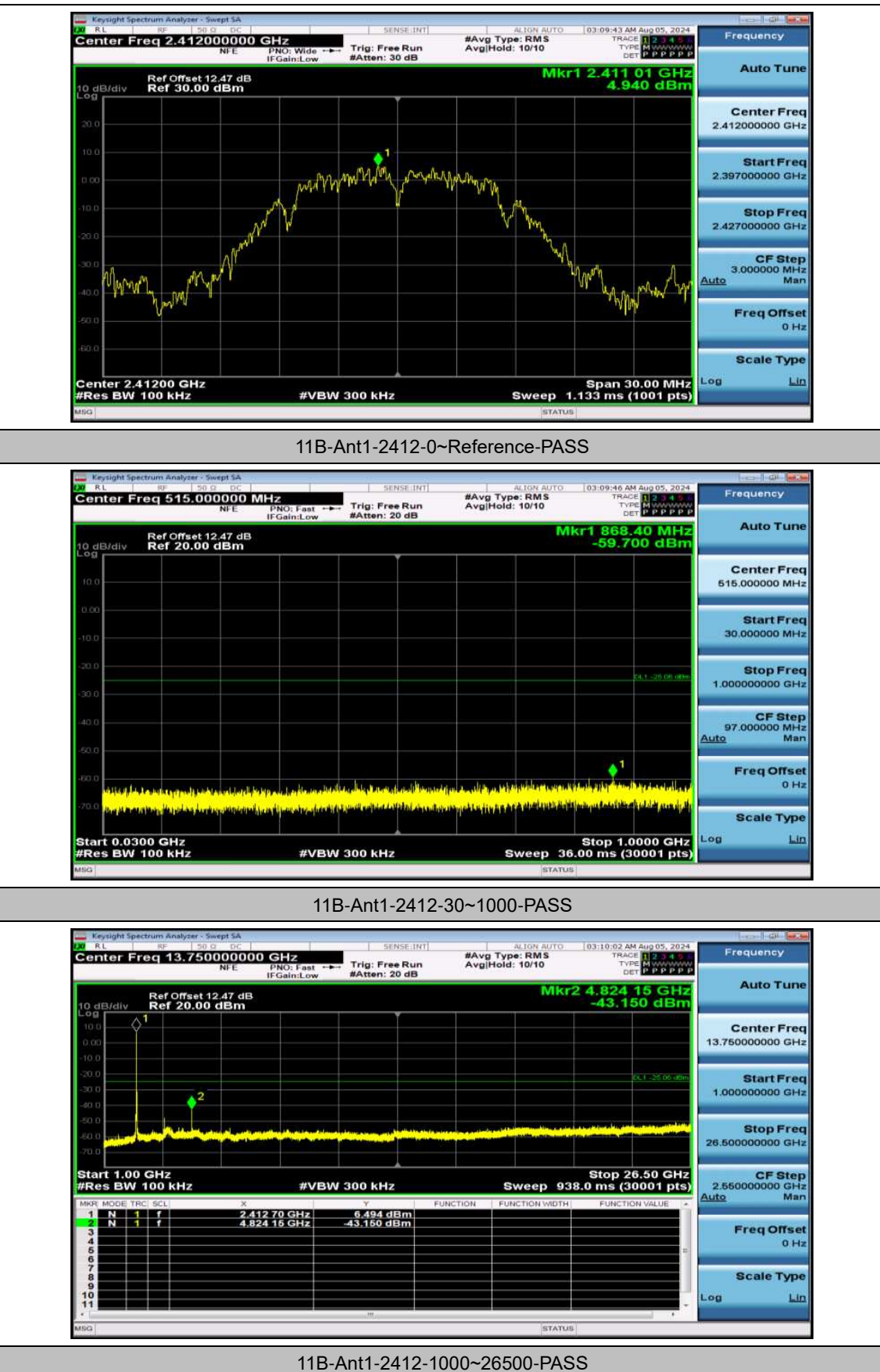
11N40SISO-Ant1-2452-PASS

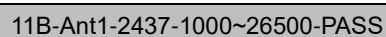
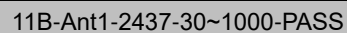
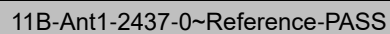
Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.94	4.94	---	PASS
11B	Ant1	2412	30~1000	4.94	-59.7	≤-25.06	PASS
11B	Ant1	2412	1000~26500	4.94	-43.15	≤-25.06	PASS
11B	Ant1	2437	0~Reference	6.10	6.10	---	PASS
11B	Ant1	2437	30~1000	6.10	-60.5	≤-23.9	PASS
11B	Ant1	2437	1000~26500	6.10	-45.5	≤-23.9	PASS
11B	Ant1	2462	0~Reference	5.93	5.93	---	PASS
11B	Ant1	2462	30~1000	5.93	-59.69	≤-24.07	PASS
11B	Ant1	2462	1000~26500	5.93	-46.57	≤-24.07	PASS
11G	Ant1	2412	0~Reference	0.81	0.81	---	PASS
11G	Ant1	2412	30~1000	0.81	-59.33	≤-29.19	PASS
11G	Ant1	2412	1000~26500	0.81	-49.28	≤-29.19	PASS
11G	Ant1	2437	0~Reference	4.73	4.73	---	PASS
11G	Ant1	2437	30~1000	4.73	-59.87	≤-25.27	PASS
11G	Ant1	2437	1000~26500	4.73	-50.17	≤-25.27	PASS
11G	Ant1	2462	0~Reference	1.78	1.78	---	PASS
11G	Ant1	2462	30~1000	1.78	-59.98	≤-28.22	PASS
11G	Ant1	2462	1000~26500	1.78	-51.46	≤-28.22	PASS
11N20SISO	Ant1	2412	0~Reference	-0.09	-0.09	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.09	-60.41	≤-30.09	PASS
11N20SISO	Ant1	2412	1000~26500	-0.09	-50.87	≤-30.09	PASS
11N20SISO	Ant1	2437	0~Reference	3.09	3.09	---	PASS
11N20SISO	Ant1	2437	30~1000	3.09	-60.27	≤-26.91	PASS
11N20SISO	Ant1	2437	1000~26500	3.09	-51.22	≤-26.91	PASS
11N20SISO	Ant1	2462	0~Reference	4.37	4.37	---	PASS
11N20SISO	Ant1	2462	30~1000	4.37	-59.8	≤-25.63	PASS
11N20SISO	Ant1	2462	1000~26500	4.37	-51.49	≤-25.63	PASS
11N40SISO	Ant1	2422	0~Reference	-2.25	-2.25	---	PASS
11N40SISO	Ant1	2422	30~1000	-2.25	-59.91	≤-32.25	PASS
11N40SISO	Ant1	2422	1000~26500	-2.25	-51.41	≤-32.25	PASS
11N40SISO	Ant1	2437	0~Reference	-1.40	-1.40	---	PASS
11N40SISO	Ant1	2437	30~1000	-1.40	-59.38	≤-31.4	PASS
11N40SISO	Ant1	2437	1000~26500	-1.40	-51.05	≤-31.4	PASS
11N40SISO	Ant1	2452	0~Reference	-0.94	-0.94	---	PASS
11N40SISO	Ant1	2452	30~1000	-0.94	-60.28	≤-30.94	PASS
11N40SISO	Ant1	2452	1000~26500	-0.94	-51.25	≤-30.94	PASS

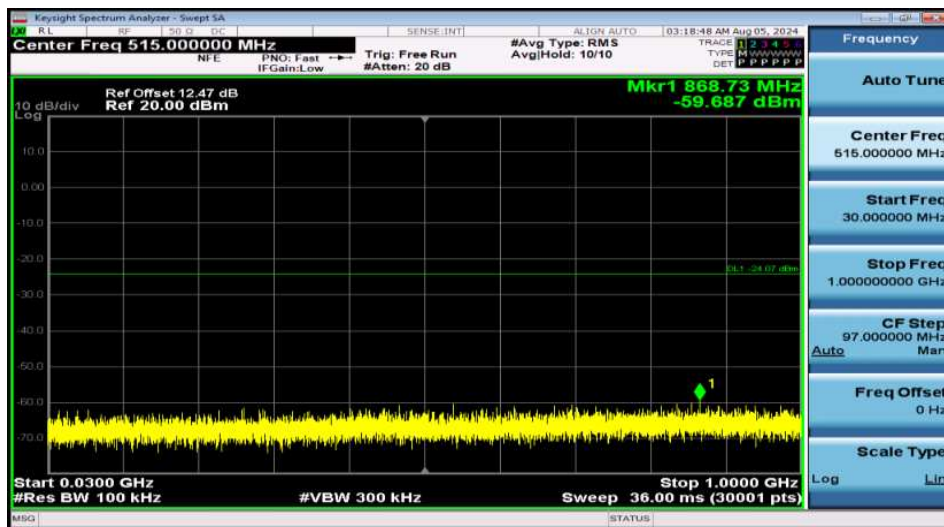
Test Graphs



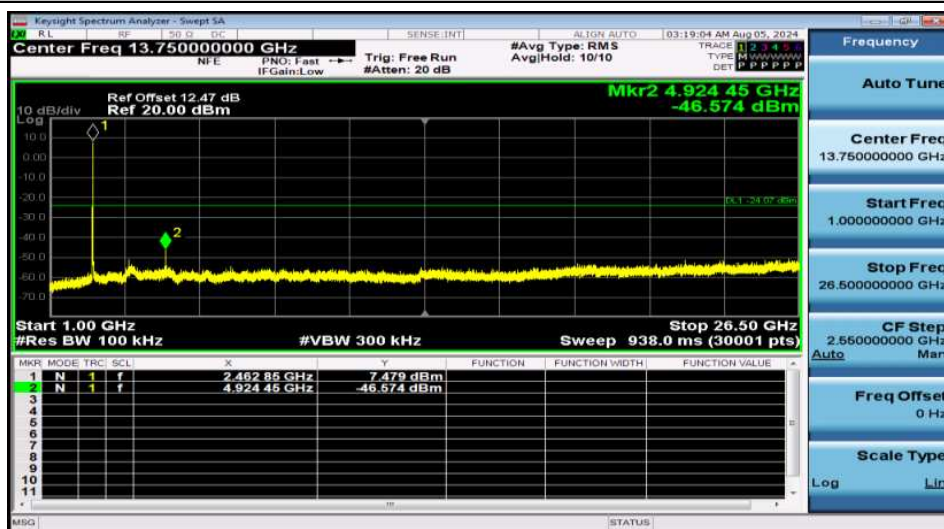




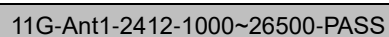
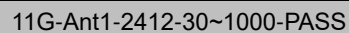
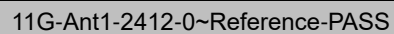
11B-Ant1-2462-0~Reference-PASS

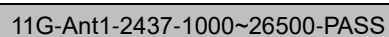
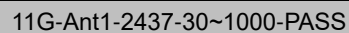
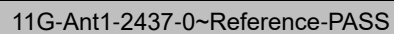


11B-Ant1-2462-30~1000-PASS



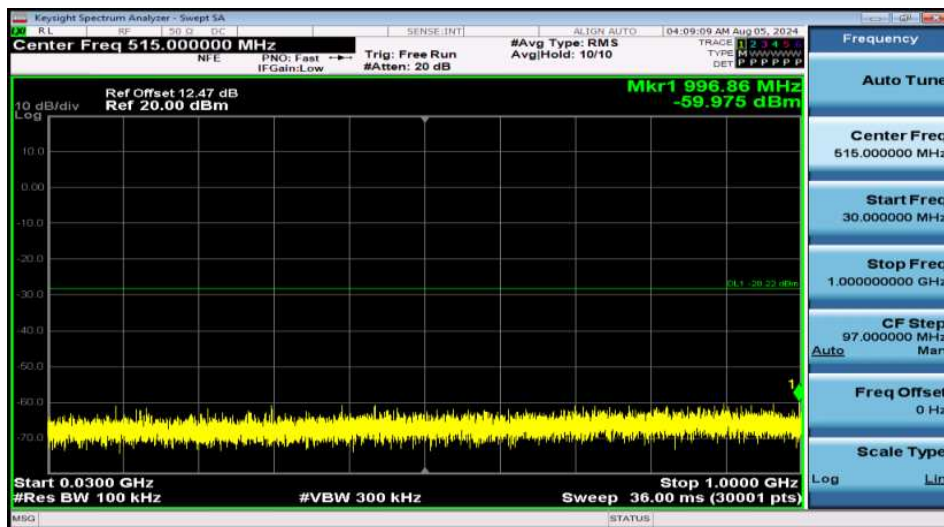
11B-Ant1-2462-1000~26500-PASS



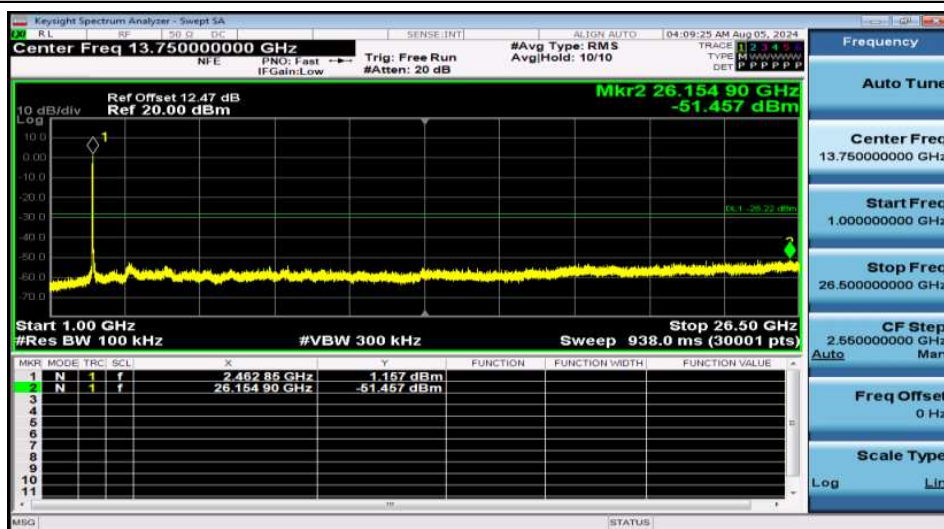




11G-Ant1-2462-0~Reference-PASS



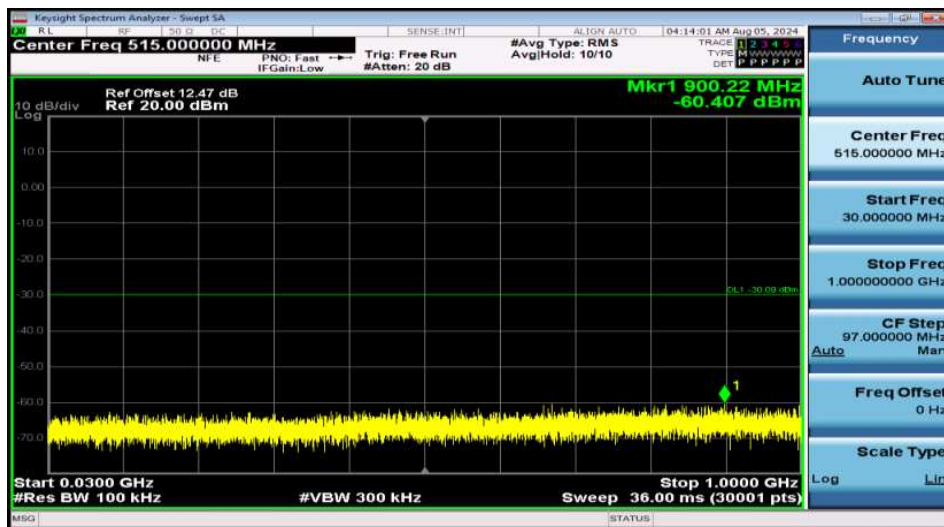
11G-Ant1-2462-30~1000-PASS



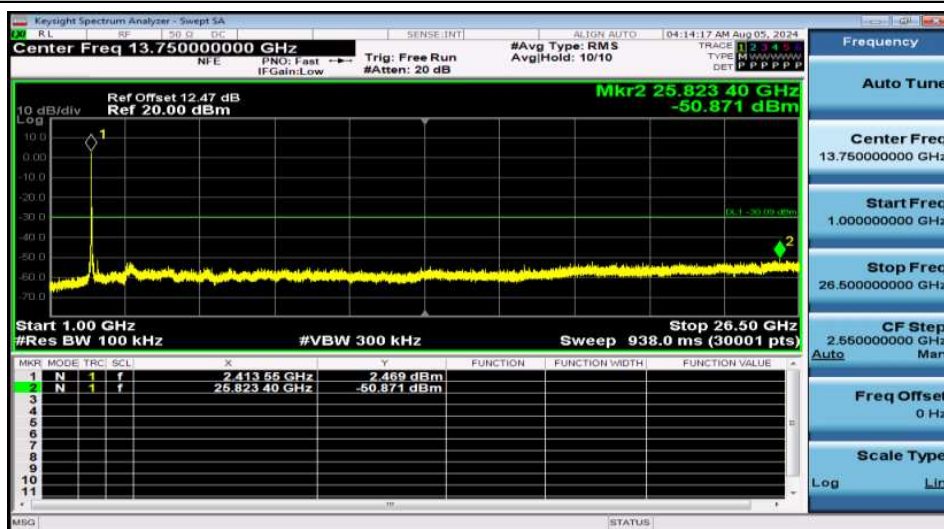
11G-Ant1-2462-1000~26500-PASS



11N20SISO-Ant1-2412-0~Reference-PASS

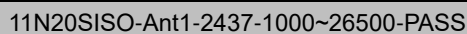
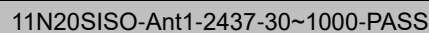
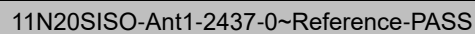


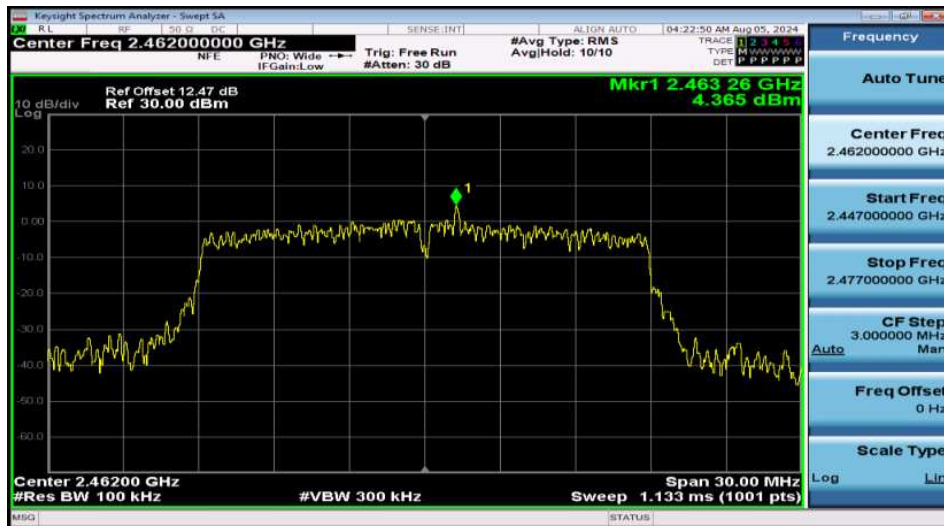
11N20SISO-Ant1-2412-30~1000-PASS



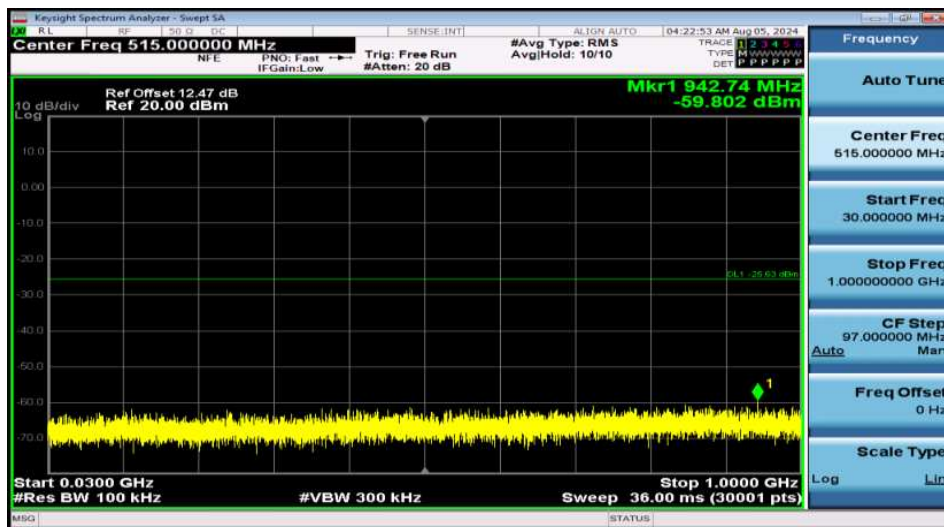
11N20SISO-Ant1-2412-1000~26500-PASS

IC: 26039-TD02

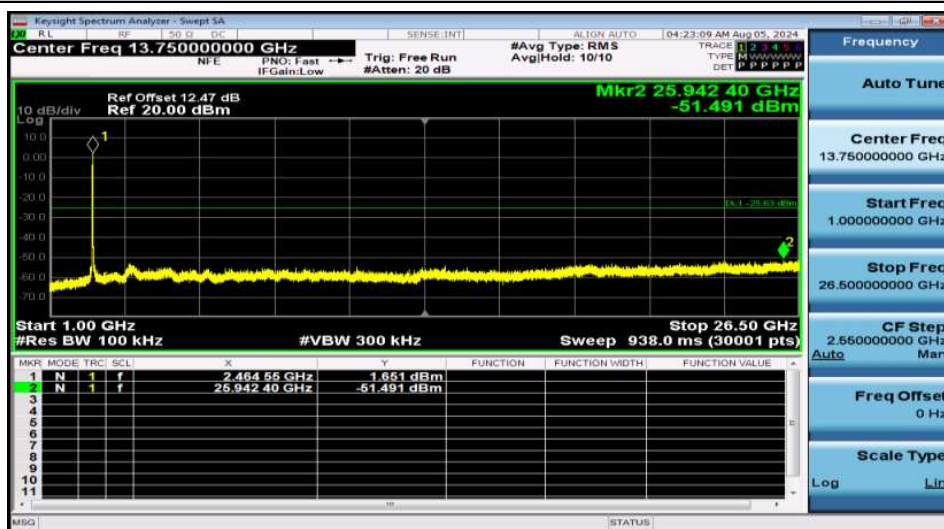




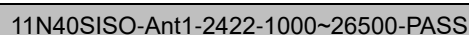
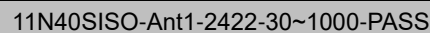
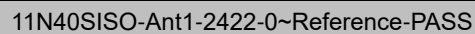
11N20SISO-Ant1-2462-0~Reference-PASS

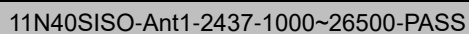
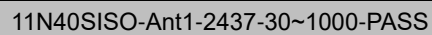
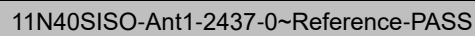


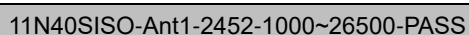
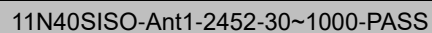
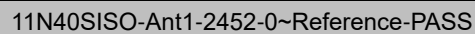
11N20SISO-Ant1-2462-30~1000-PASS



11N20SISO-Ant1-2462-1000~26500-PASS





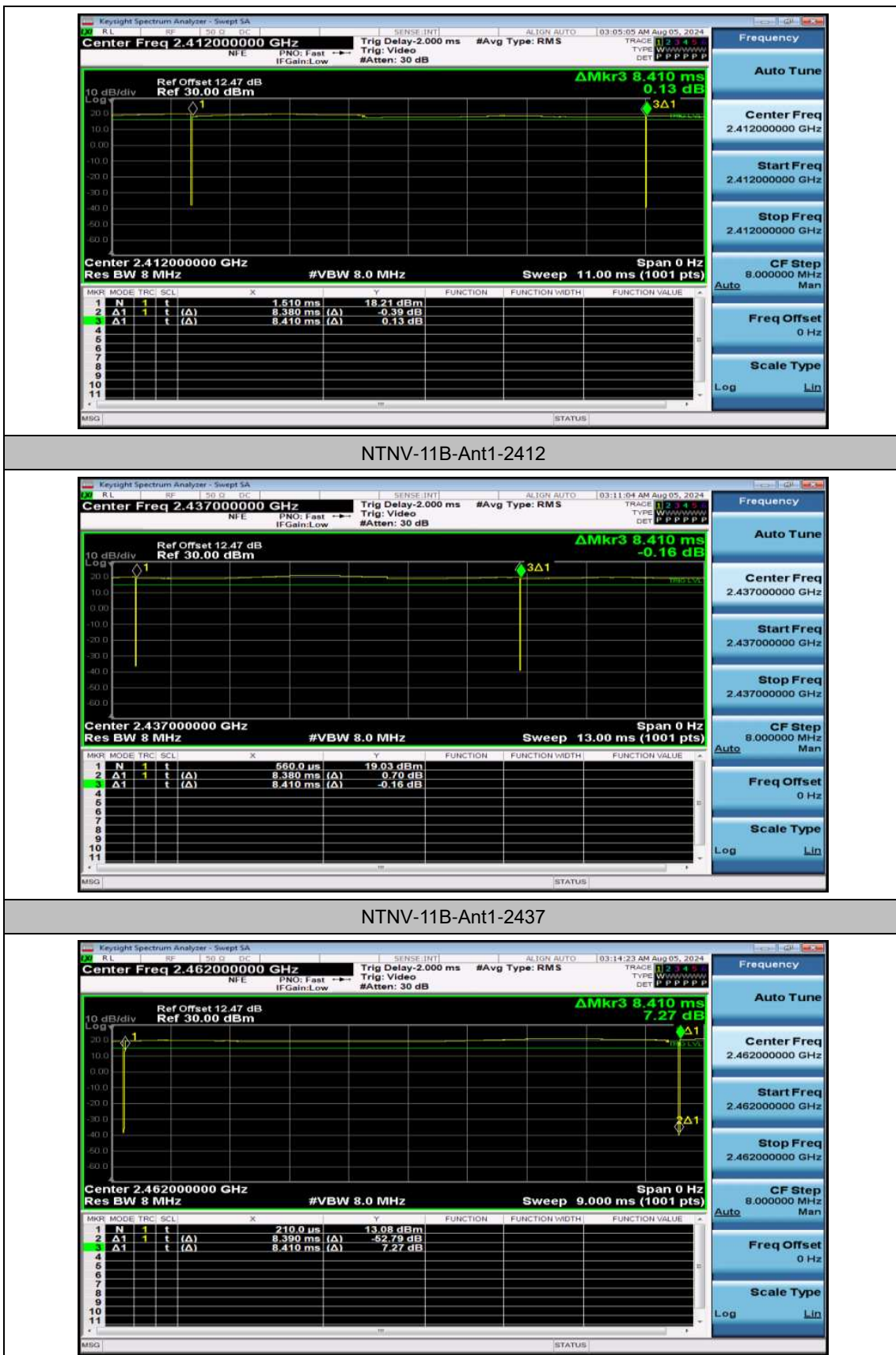


Duty Cycle

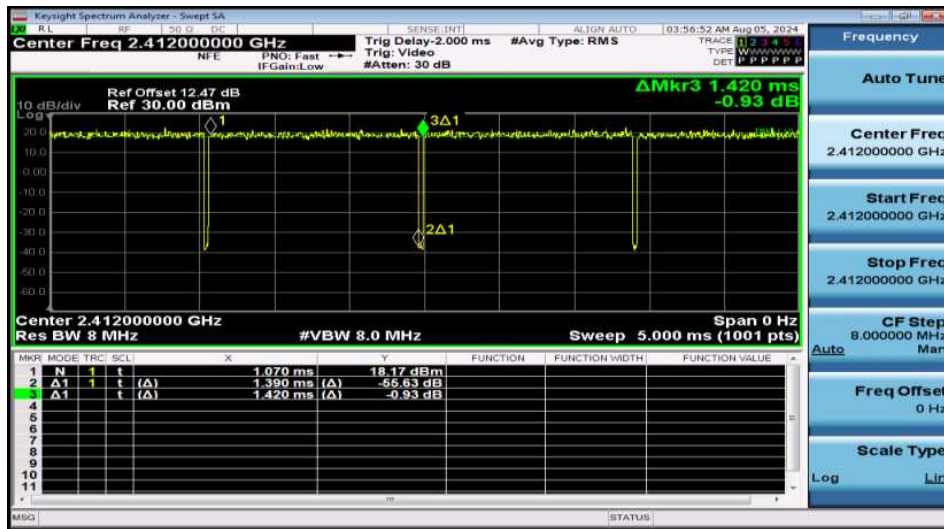
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.38	8.41	99.64	0.02
11B	Ant1	2437	8.38	8.41	99.64	0.02
11B	Ant1	2462	8.39	8.41	99.76	0.01
11G	Ant1	2412	1.39	1.42	97.89	0.09
11G	Ant1	2437	1.39	1.42	97.89	0.09
11G	Ant1	2462	1.40	1.43	97.90	0.09
11N20SISO	Ant1	2412	1.30	1.33	97.74	0.10
11N20SISO	Ant1	2437	1.30	1.33	97.74	0.10
11N20SISO	Ant1	2462	1.29	1.33	96.99	0.13
11N40SISO	Ant1	2422	0.65	0.69	94.20	0.26
11N40SISO	Ant1	2437	0.65	0.68	95.59	0.20
11N40SISO	Ant1	2452	0.65	0.69	94.20	0.26

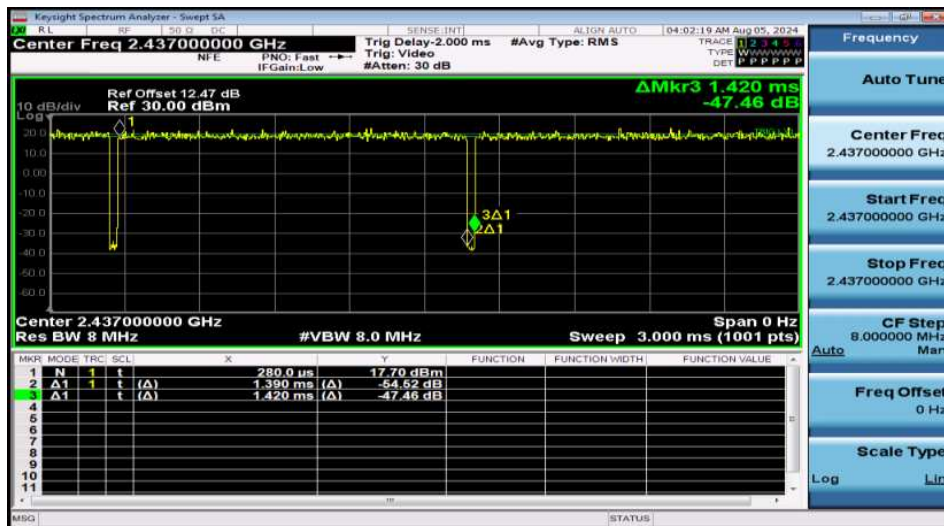
Test Graphs



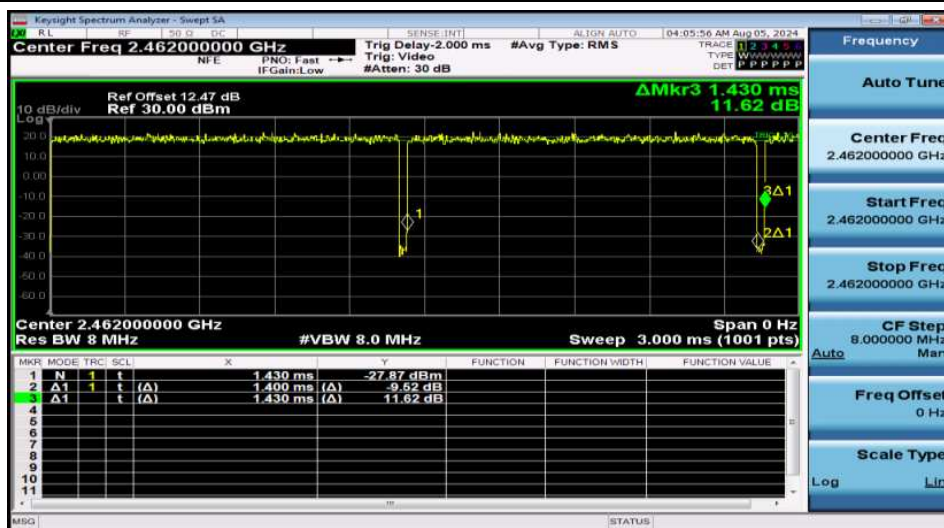
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437



NTNV-11G-Ant1-2462