

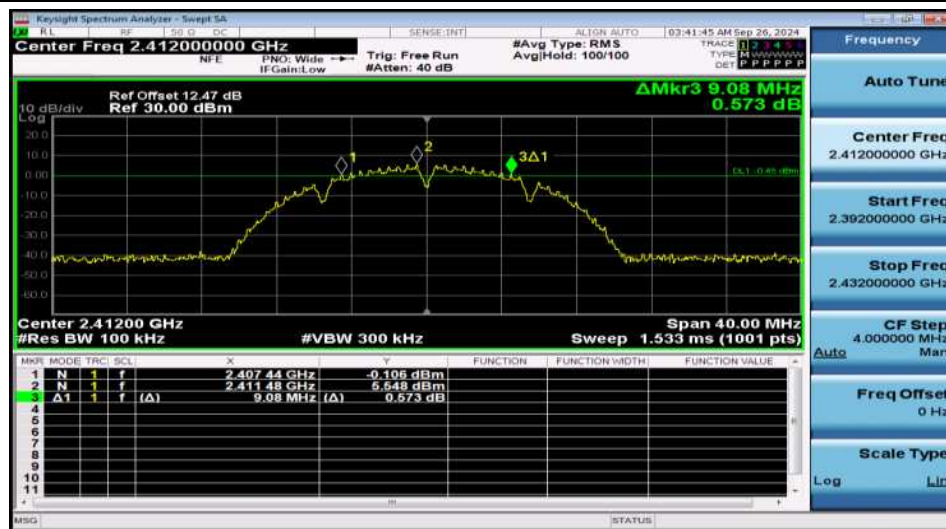
Appendix A of report 2408B1644SHA-001

DTS Bandwidth

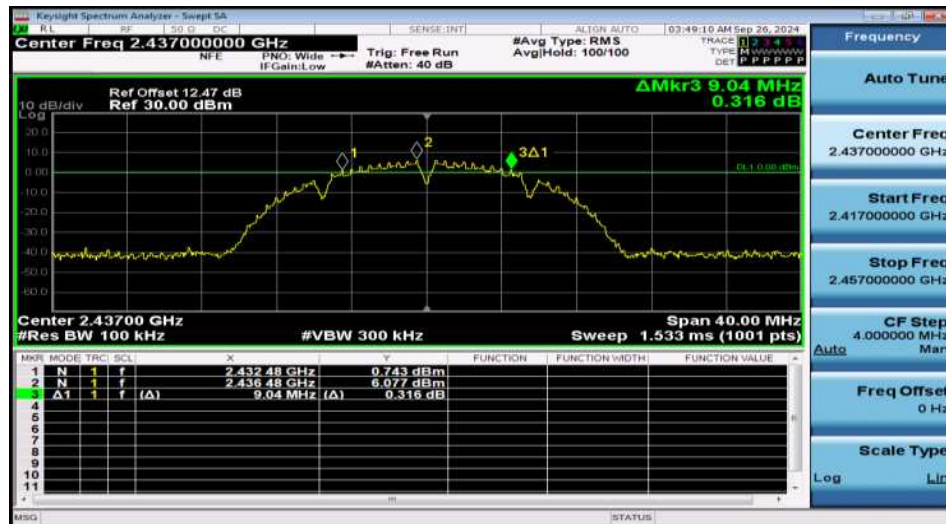
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.440	2416.520	0.5	PASS
11B	Ant1	2437	9.040	2432.480	2441.520	0.5	PASS
11B	Ant1	2462	9.080	2457.440	2466.520	0.5	PASS
11G	Ant1	2412	16.480	2403.760	2420.240	0.5	PASS
11G	Ant1	2437	16.520	2428.720	2445.240	0.5	PASS
11G	Ant1	2462	16.520	2453.720	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.120	2420.800	0.5	PASS
11N20SISO	Ant1	2437	17.800	2428.080	2445.880	0.5	PASS
11N20SISO	Ant1	2462	17.760	2453.120	2470.880	0.5	PASS

Test Graphs



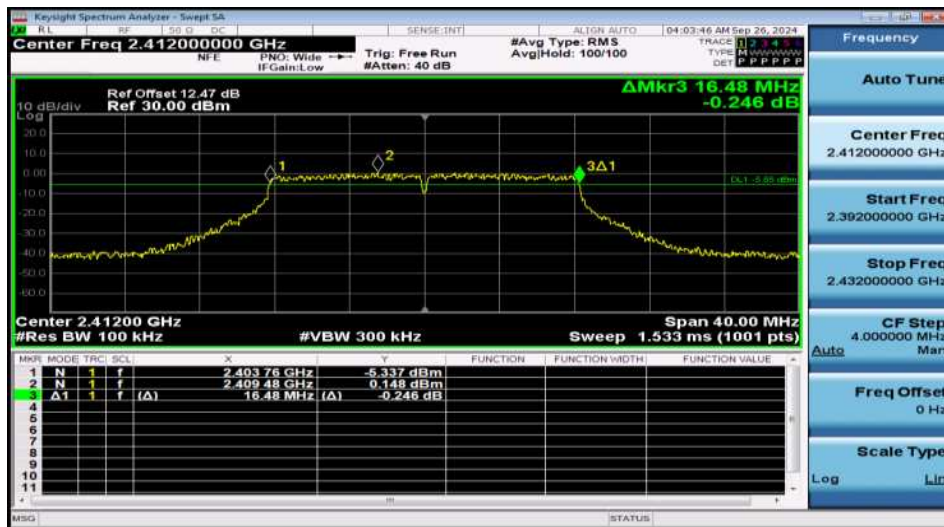
11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS



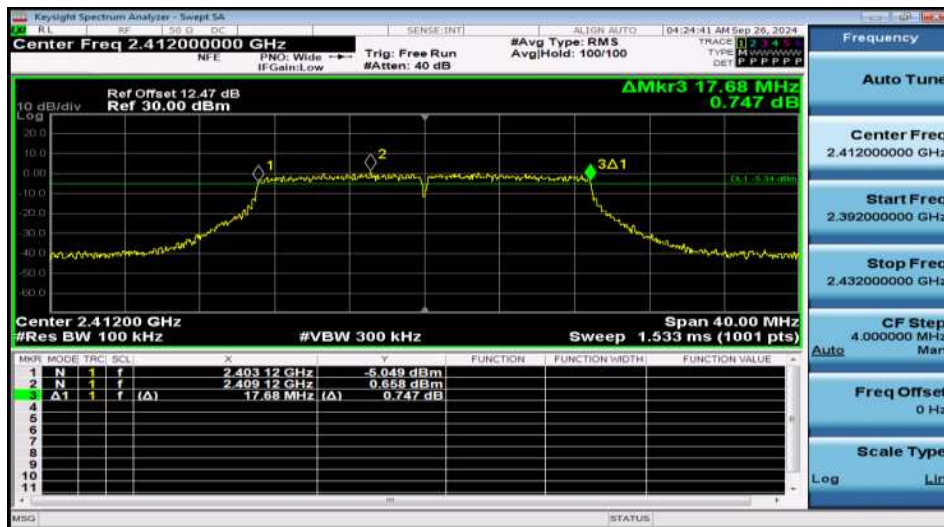
11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



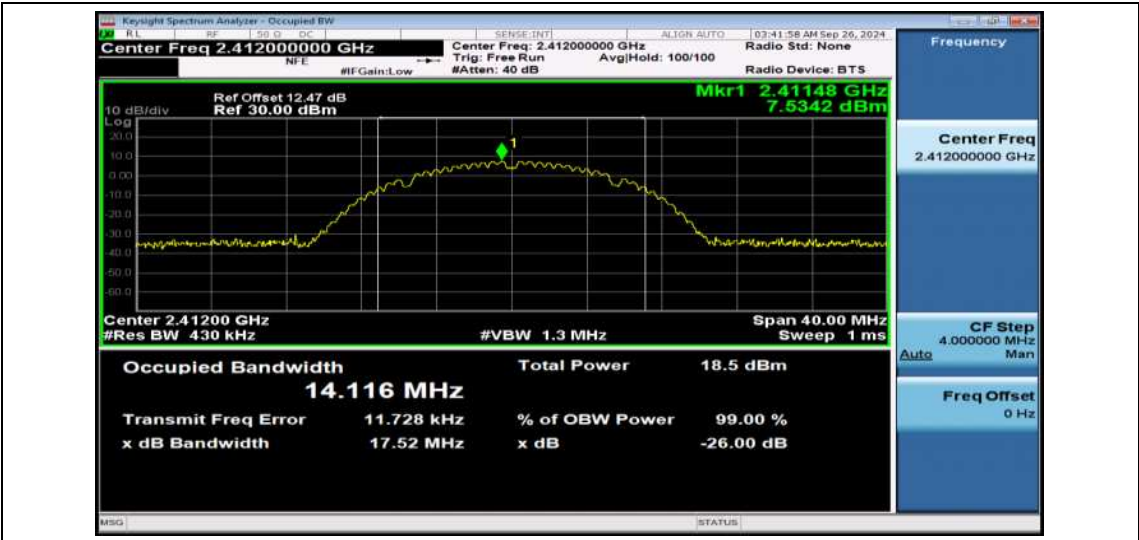
11N20SISO-Ant1-2462-PASS

Occupied Channel Bandwidth

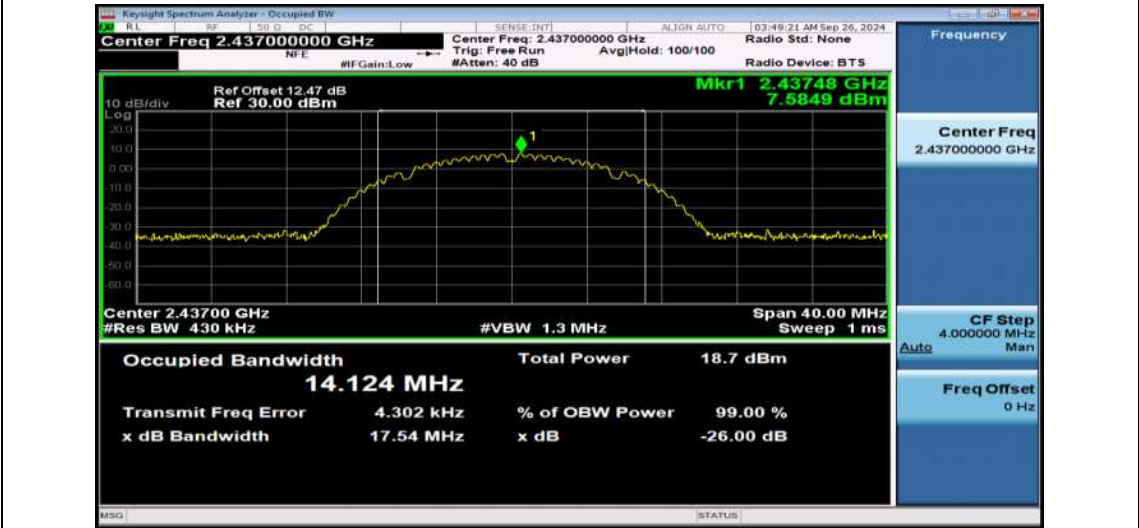
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.116	2404.9537	2419.0697	---	---
11B	Ant1	2437	14.124	2429.9423	2444.0663	---	---
11B	Ant1	2462	14.124	2454.9375	2469.0615	---	---
11G	Ant1	2412	17.114	2403.3606	2420.4746	---	---
11G	Ant1	2437	17.117	2428.3707	2445.4877	---	---
11G	Ant1	2462	17.144	2453.3150	2470.4590	---	---
11N20SISO	Ant1	2412	18.205	2402.8907	2421.0957	---	---
11N20SISO	Ant1	2437	18.214	2427.8672	2446.0812	---	---
11N20SISO	Ant1	2462	18.260	2452.8431	2471.1031	---	---

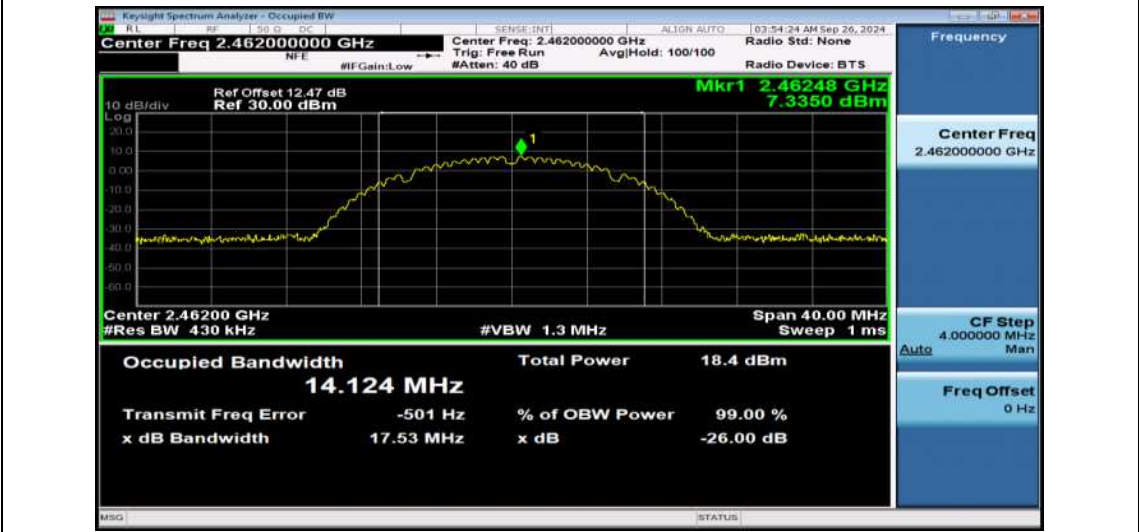
Test Graphs



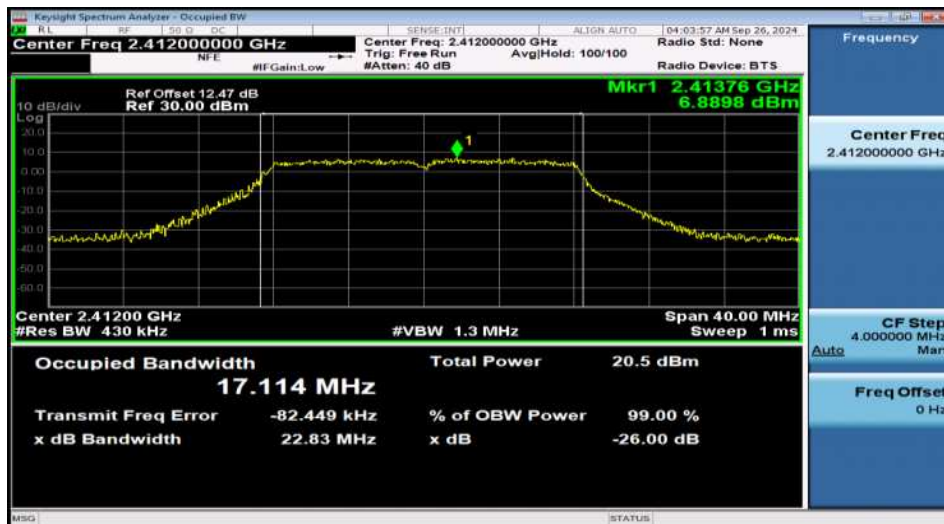
11B-Ant1-2412



11B-Ant1-2437



11B-Ant1-2462



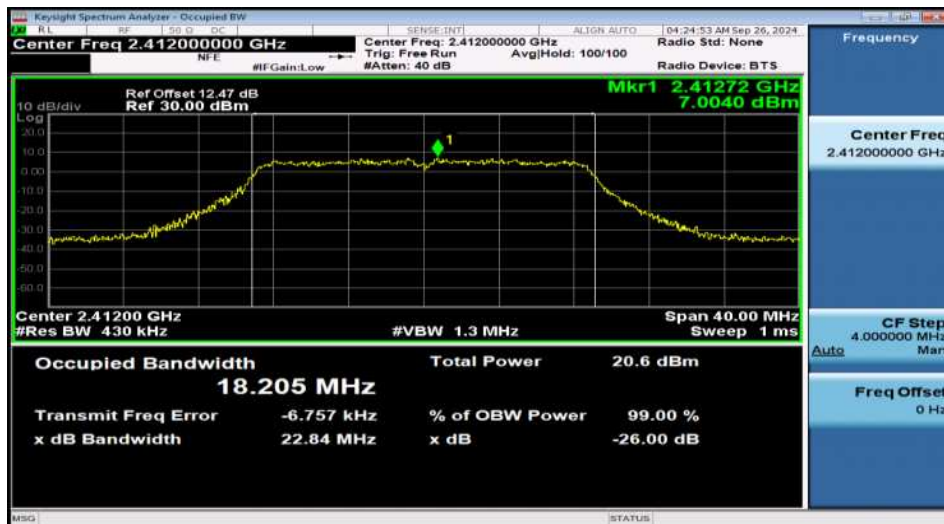
11G-Ant1-2412



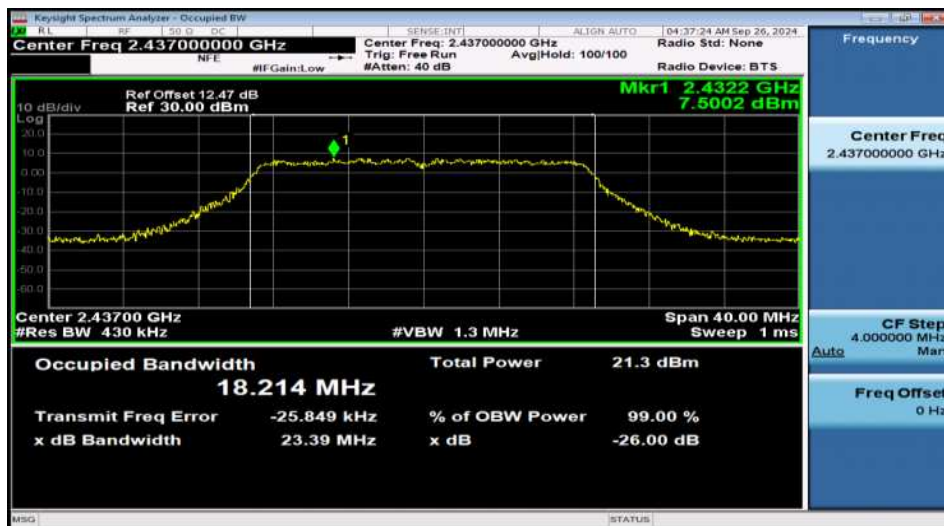
11G-Ant1-2437



11G-Ant1-2462



11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



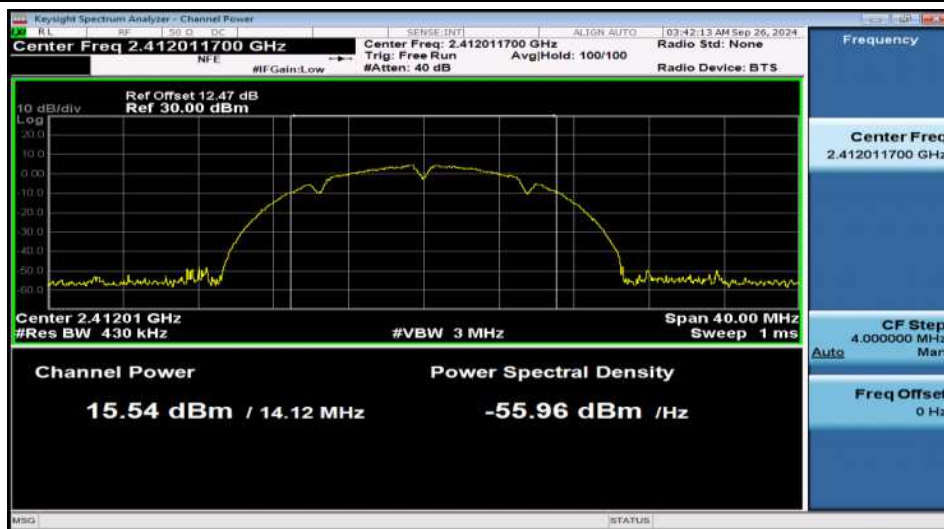
11N20SISO-Ant1-2462

Maximum conducted output power

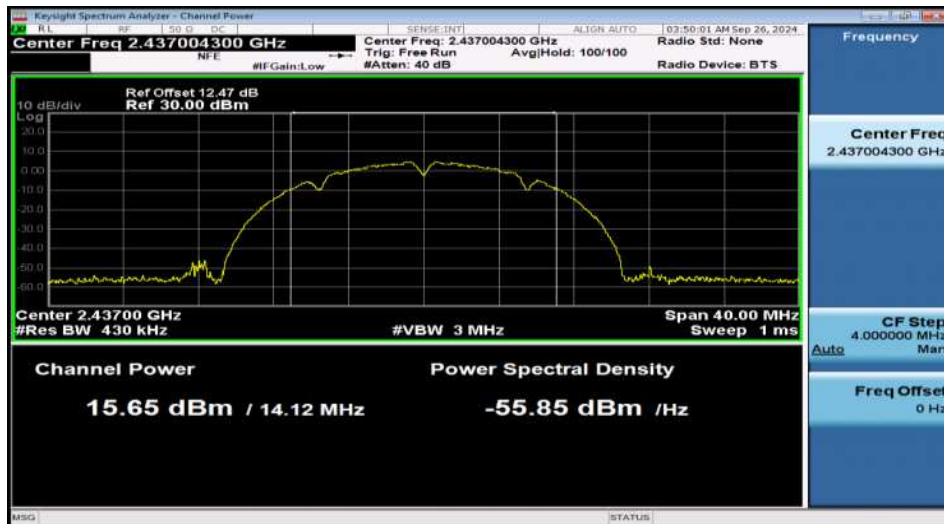
Test Result Average

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	15.54	100.00	0.00	15.54	≤30.00	2.45	17.99	≤36.00	PASS
11B	Ant1	2437	15.65	100.00	0.00	15.65	≤30.00	2.45	18.10	≤36.00	PASS
11B	Ant1	2462	15.44	100.00	0.00	15.44	≤30.00	2.45	17.89	≤36.00	PASS
11G	Ant1	2412	14.53	100.00	0.00	14.53	≤30.00	2.45	16.98	≤36.00	PASS
11G	Ant1	2437	15.25	100.00	0.00	15.25	≤30.00	2.45	17.70	≤36.00	PASS
11G	Ant1	2462	14.25	100.00	0.00	14.25	≤30.00	2.45	16.70	≤36.00	PASS
11N20 SISO	Ant1	2412	14.49	100.00	0.00	14.49	≤30.00	2.45	16.94	≤36.00	PASS
11N20 SISO	Ant1	2437	15.16	100.00	0.00	15.16	≤30.00	2.45	17.61	≤36.00	PASS
11N20 SISO	Ant1	2462	14.14	100.00	0.00	14.14	≤30.00	2.45	16.59	≤36.00	PASS

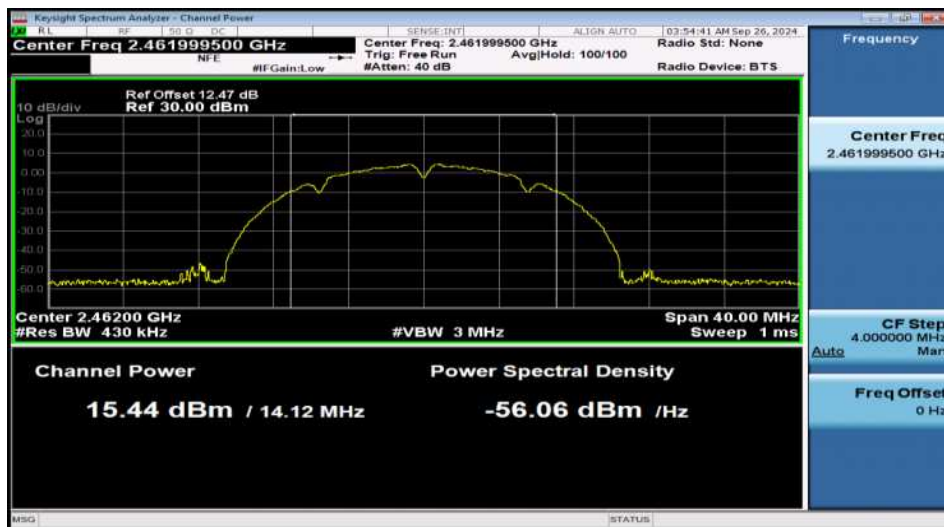
Test Graphs Average



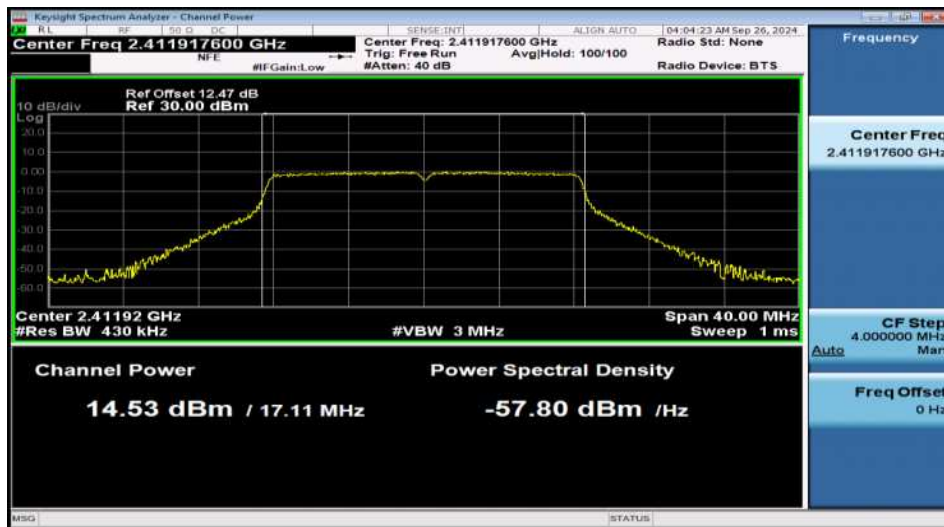
11B-Ant1-2412-PASS



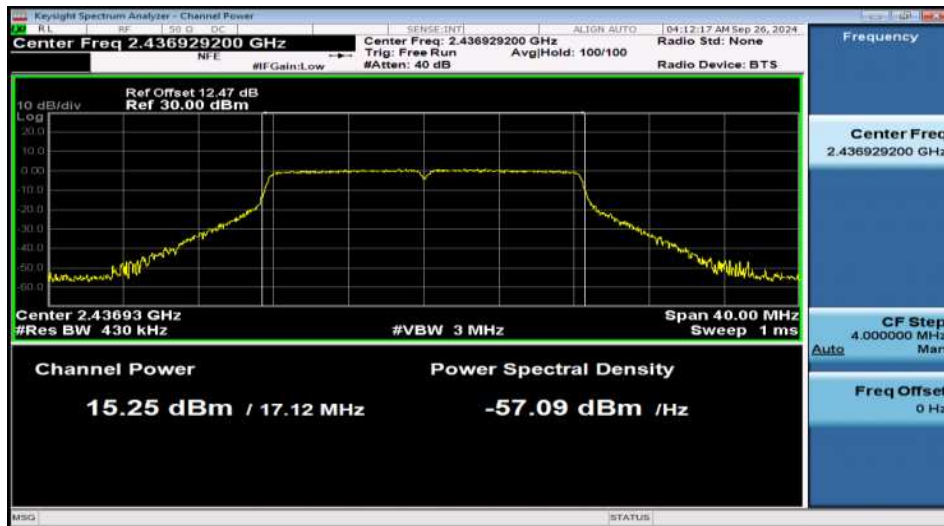
11B-Ant1-2437-PASS



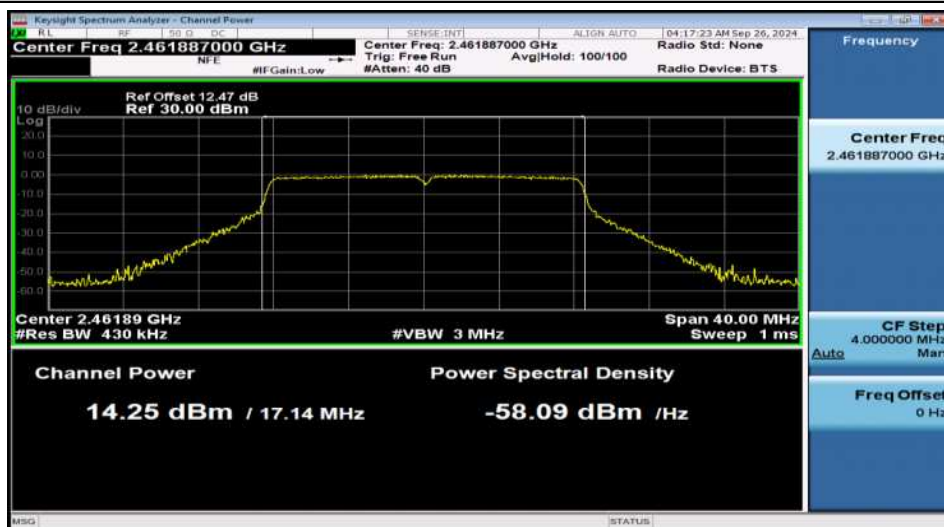
11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



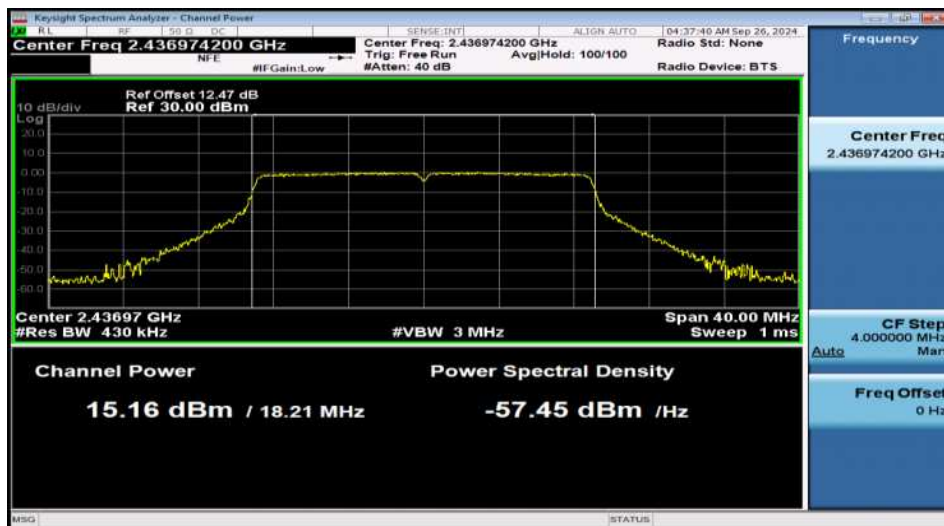
11G-Ant1-2437-PASS



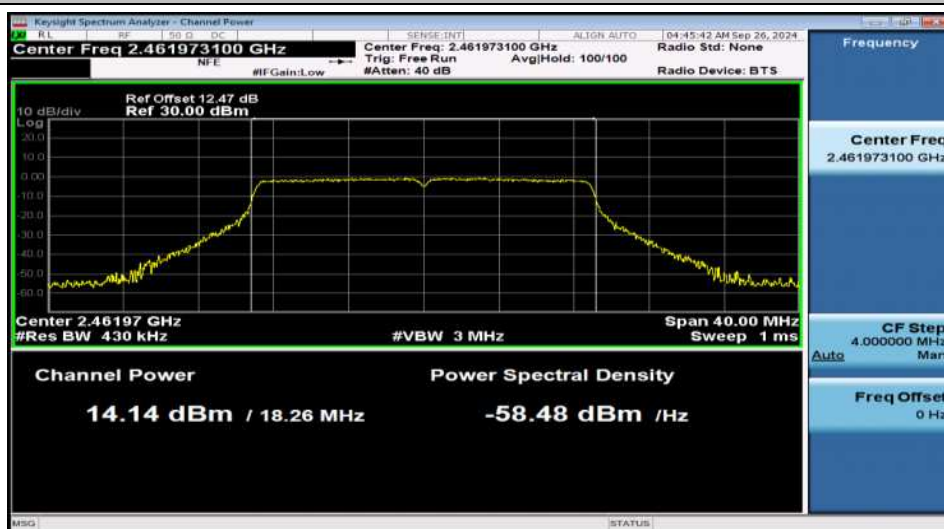
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.92	≤8.00	PASS
11B	Ant1	2437	-15.92	≤8.00	PASS
11B	Ant1	2462	-15.31	≤8.00	PASS
11G	Ant1	2412	-17.72	≤8.00	PASS
11G	Ant1	2437	-17.18	≤8.00	PASS
11G	Ant1	2462	-17.76	≤8.00	PASS
11N20SISO	Ant1	2412	-18.55	≤8.00	PASS
11N20SISO	Ant1	2437	-17.54	≤8.00	PASS
11N20SISO	Ant1	2462	-18.69	≤8.00	PASS

Test Graphs



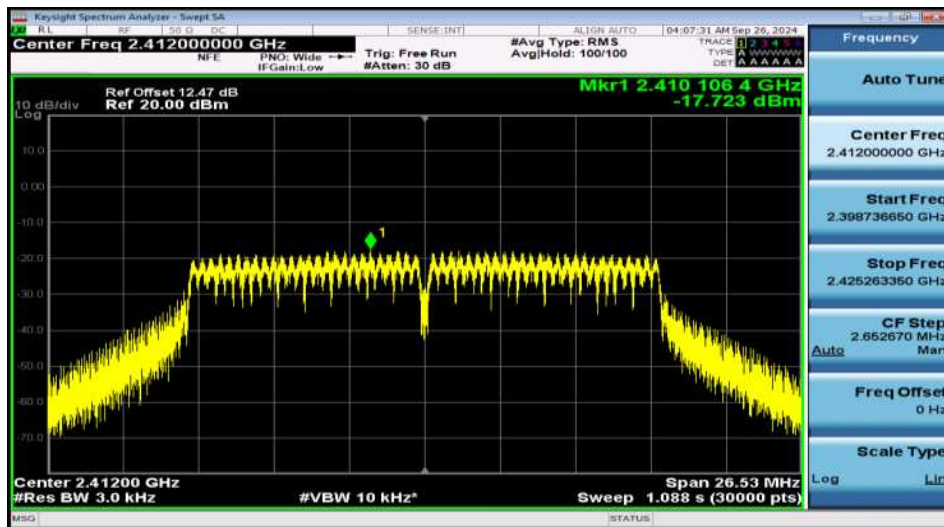
11B-Ant1-2412-PASS



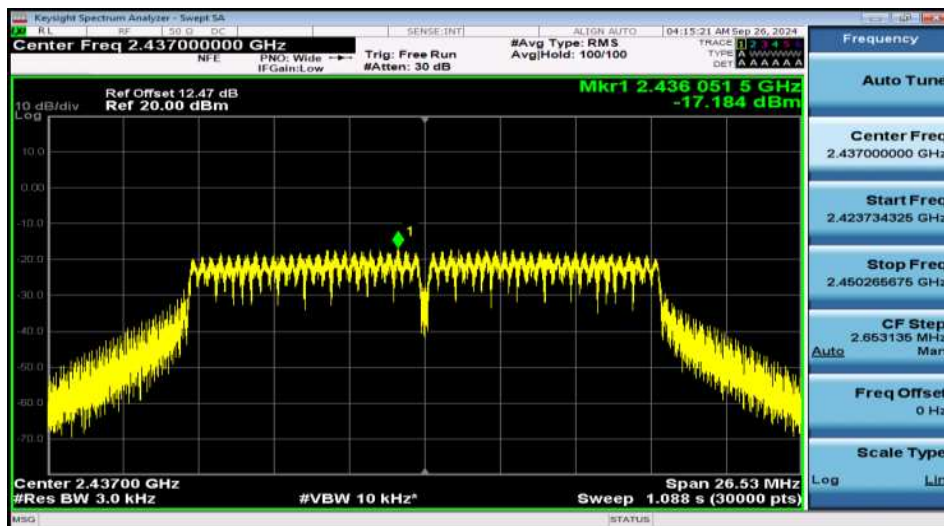
11B-Ant1-2437-PASS



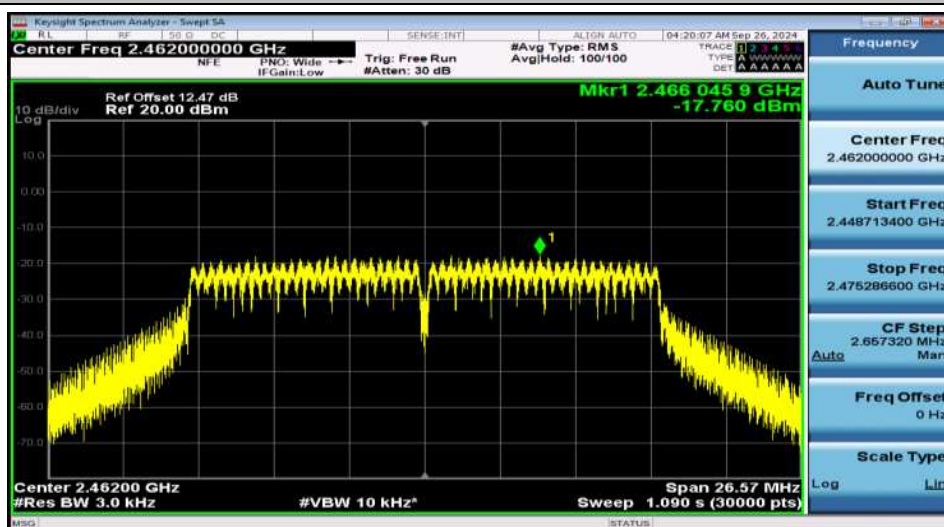
11B-Ant1-2462-PASS



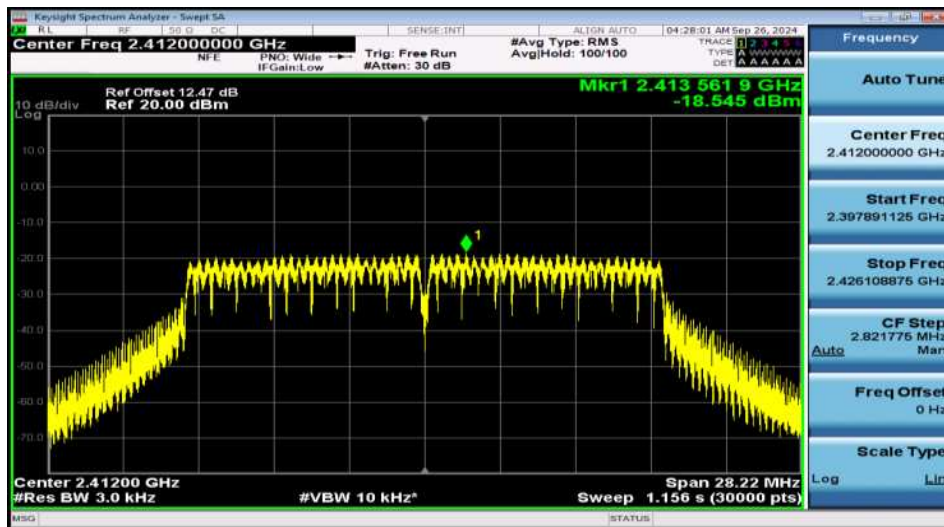
11G-Ant1-2412-PASS



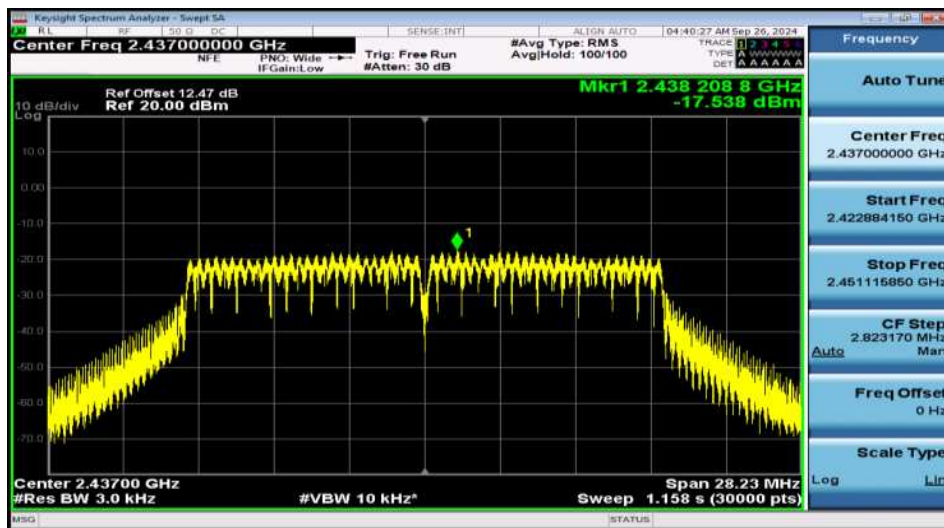
11G-Ant1-2437-PASS



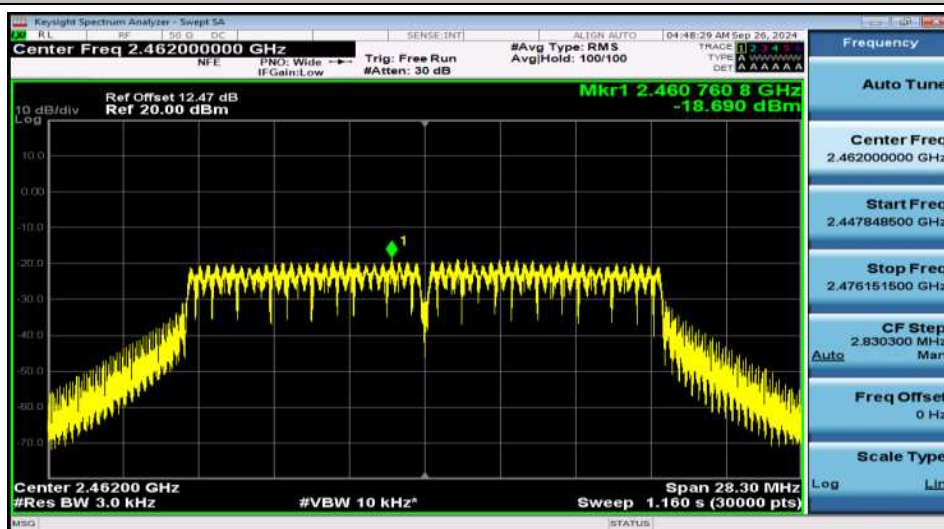
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



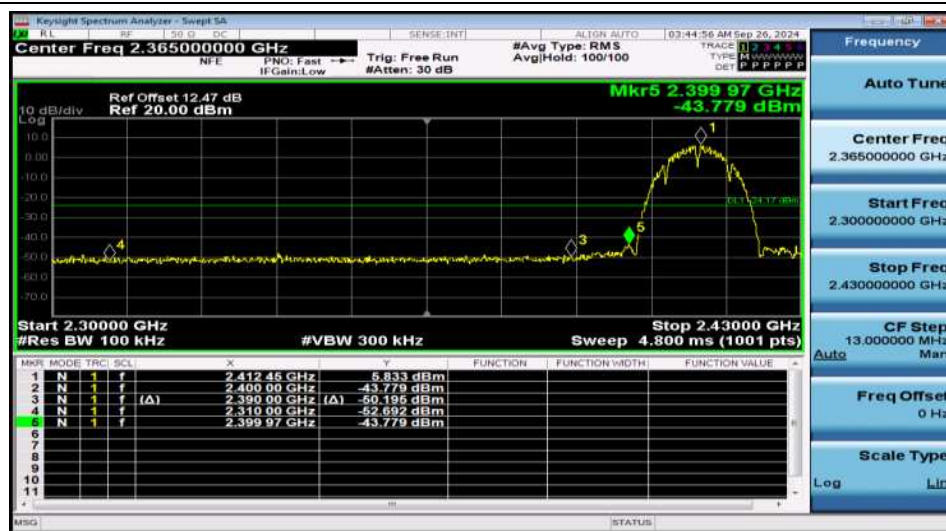
11N20SISO-Ant1-2462-PASS

Band edge measurements

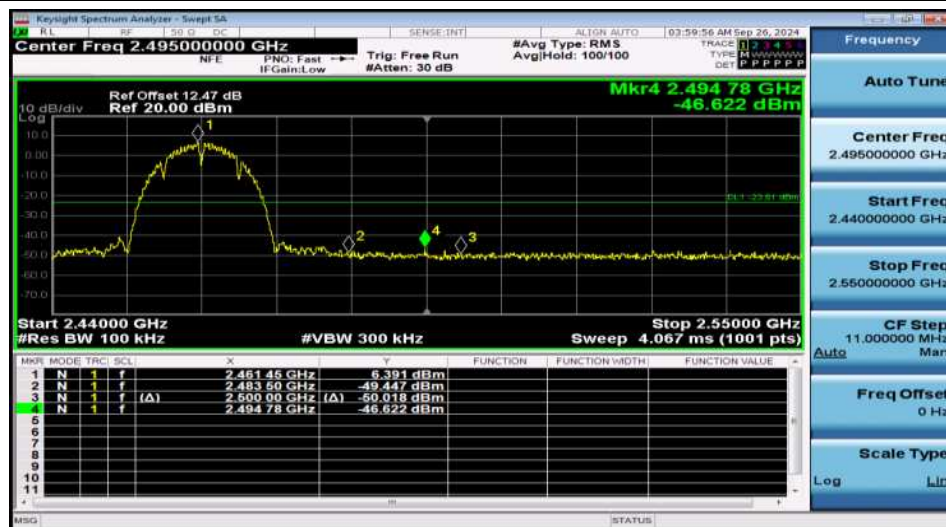
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.83	-43.78	≤-24.17	PASS
11B	Ant1	High	2462	6.39	-46.62	≤-23.61	PASS
11G	Ant1	Low	2412	-0.09	-32.26	≤-30.09	PASS
11G	Ant1	High	2462	-0.40	-47.3	≤-30.4	PASS
11N20SISO	Ant1	Low	2412	0.35	-31.44	≤-29.65	PASS
11N20SISO	Ant1	High	2462	0.23	-46.62	≤-29.77	PASS

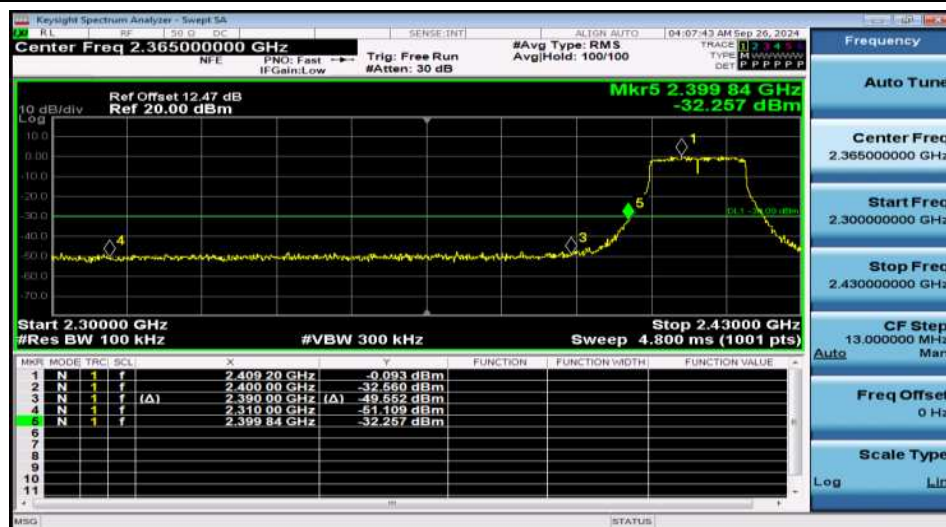
Test Graphs



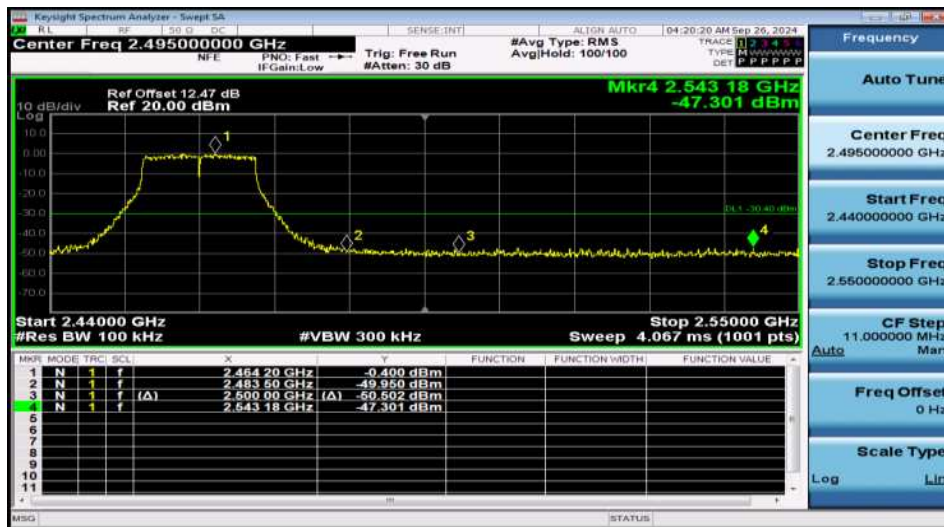
11B-Ant1-2412-PASS



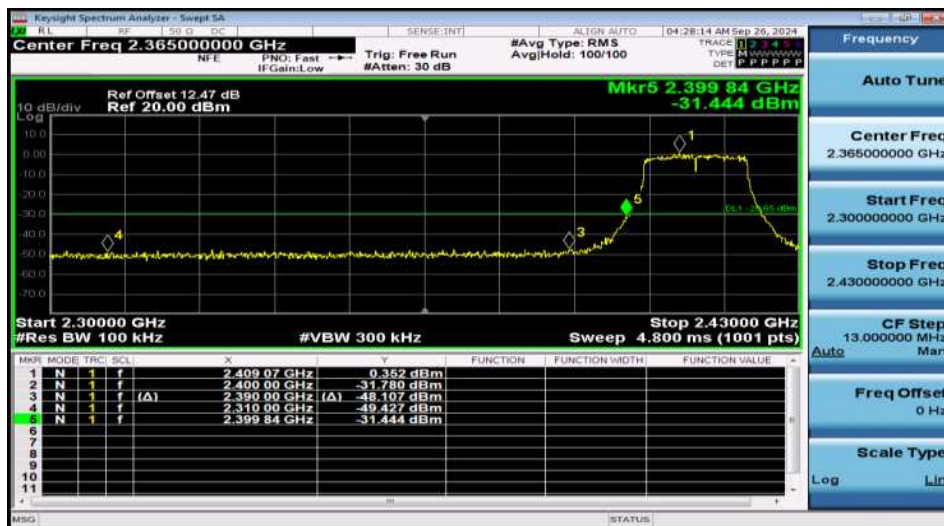
11B-Ant1-2462-PASS



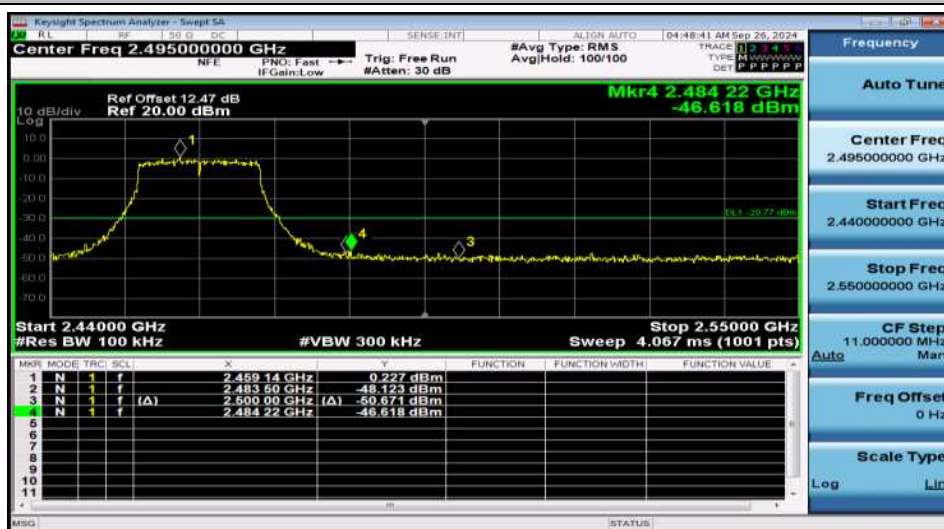
11G-Ant1-2412-PASS



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

Conducted Spurious Emission

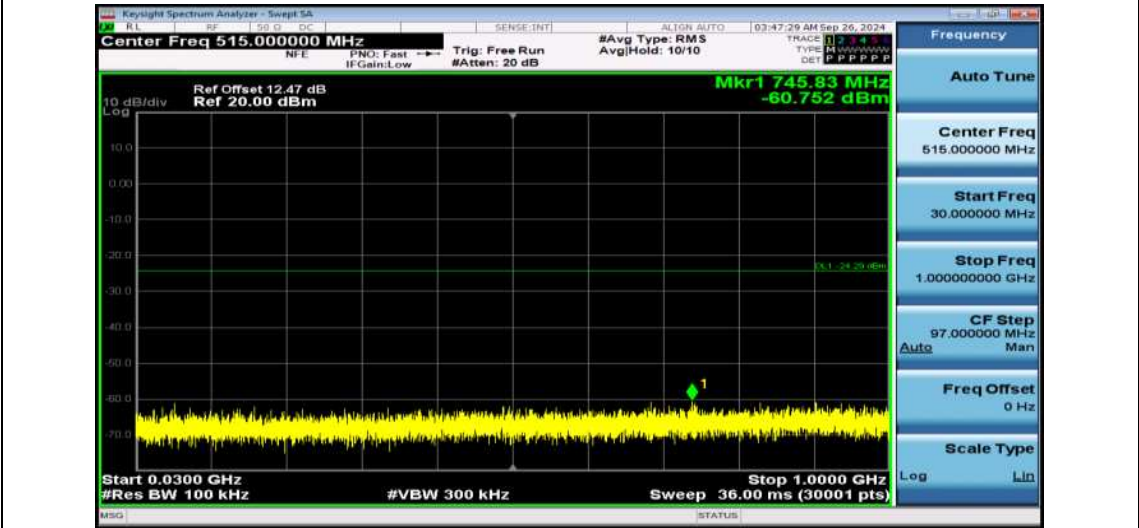
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	5.71	5.71	---	PASS
11B	Ant1	2412	30~1000	5.71	-60.75	≤-24.29	PASS
11B	Ant1	2412	1000~26500	5.71	-47.65	≤-24.29	PASS
11B	Ant1	2437	0~Reference	5.46	5.46	---	PASS
11B	Ant1	2437	30~1000	5.46	-60.11	≤-24.54	PASS
11B	Ant1	2437	1000~26500	5.46	-49.09	≤-24.54	PASS
11B	Ant1	2462	0~Reference	5.16	5.16	---	PASS
11B	Ant1	2462	30~1000	5.16	-60.31	≤-24.84	PASS
11B	Ant1	2462	1000~26500	5.16	-48.26	≤-24.84	PASS
11G	Ant1	2412	0~Reference	-0.70	-0.70	---	PASS
11G	Ant1	2412	30~1000	-0.70	-59.84	≤-30.7	PASS
11G	Ant1	2412	1000~26500	-0.70	-51.94	≤-30.7	PASS
11G	Ant1	2437	0~Reference	0.29	0.29	---	PASS
11G	Ant1	2437	30~1000	0.29	-59.77	≤-29.71	PASS
11G	Ant1	2437	1000~26500	0.29	-51.69	≤-29.71	PASS
11G	Ant1	2462	0~Reference	-0.89	-0.89	---	PASS
11G	Ant1	2462	30~1000	-0.89	-59.61	≤-30.89	PASS
11G	Ant1	2462	1000~26500	-0.89	-51.44	≤-30.89	PASS
11N20SISO	Ant1	2412	0~Reference	-0.52	-0.52	---	PASS
11N20SISO	Ant1	2412	30~1000	-0.52	-59.54	≤-30.52	PASS
11N20SISO	Ant1	2412	1000~26500	-0.52	-50.96	≤-30.52	PASS
11N20SISO	Ant1	2437	0~Reference	0.31	0.31	---	PASS
11N20SISO	Ant1	2437	30~1000	0.31	-58.83	≤-29.69	PASS
11N20SISO	Ant1	2437	1000~26500	0.31	-51.36	≤-29.69	PASS
11N20SISO	Ant1	2462	0~Reference	-1.01	-1.01	---	PASS
11N20SISO	Ant1	2462	30~1000	-1.01	-58.8	≤-31.01	PASS
11N20SISO	Ant1	2462	1000~26500	-1.01	-51.16	≤-31.01	PASS

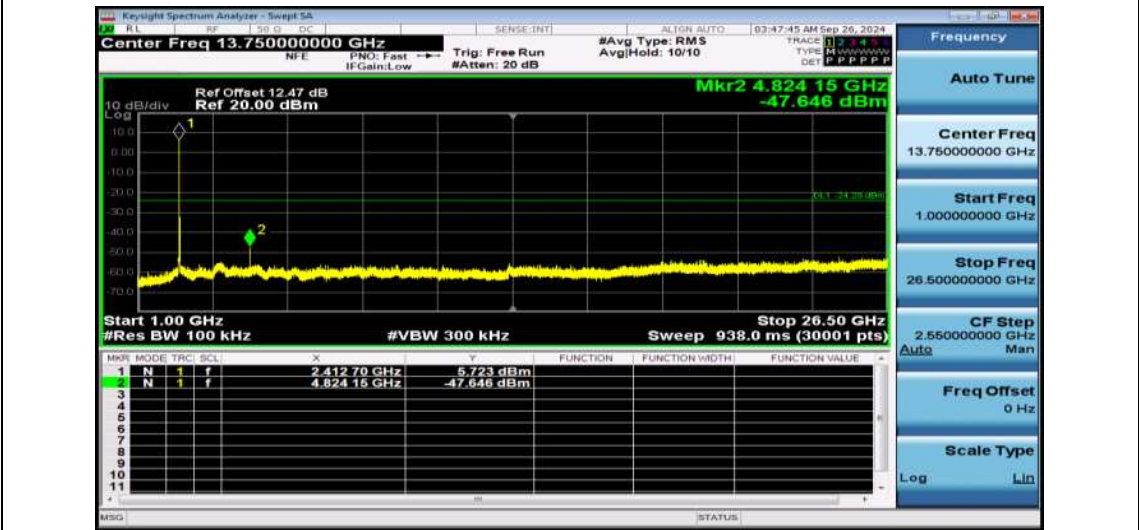
Test Graphs



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



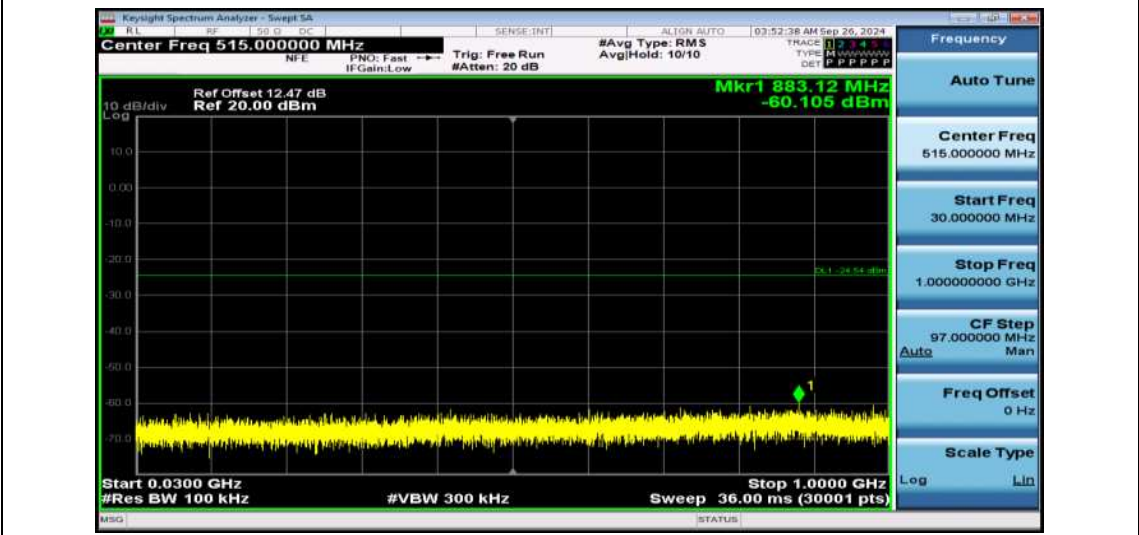
11B-Ant1-2412-30~1000-PASS



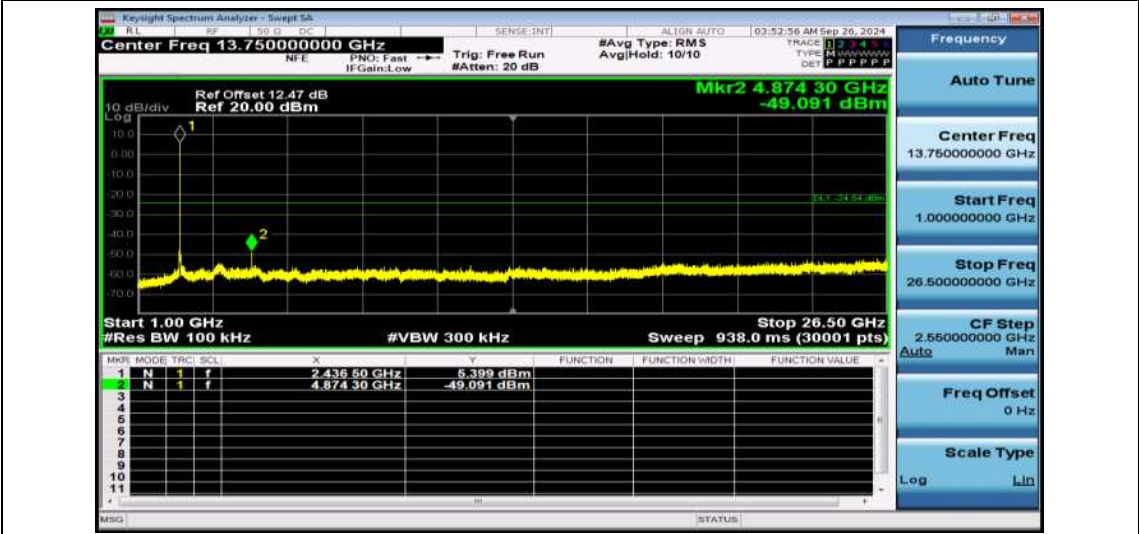
11B-Ant1-2412-1000~26500-PASS



11B-Ant1-2437-0~Reference-PASS



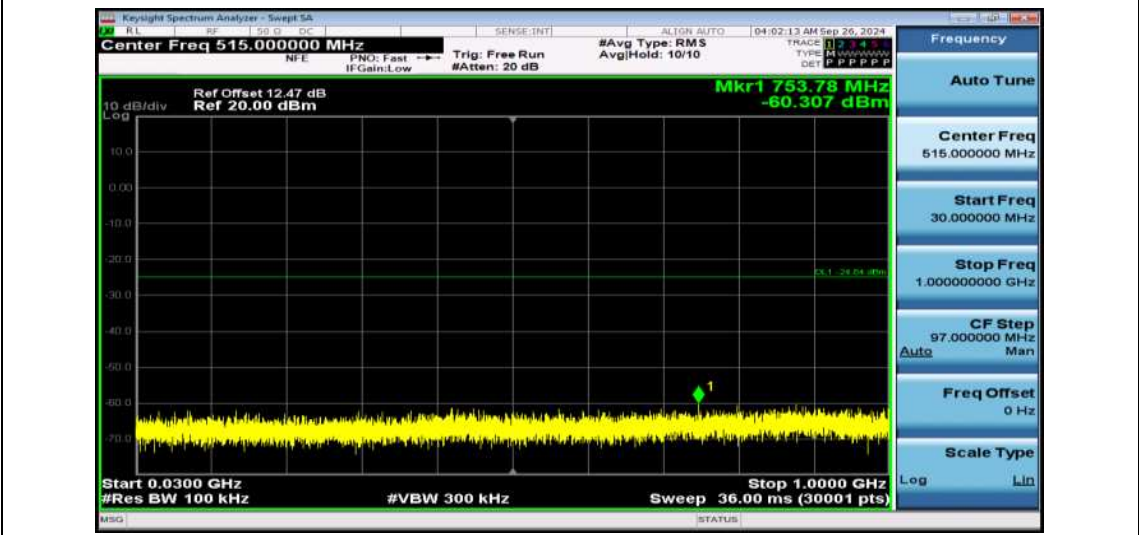
11B-Ant1-2437-30~1000-PASS



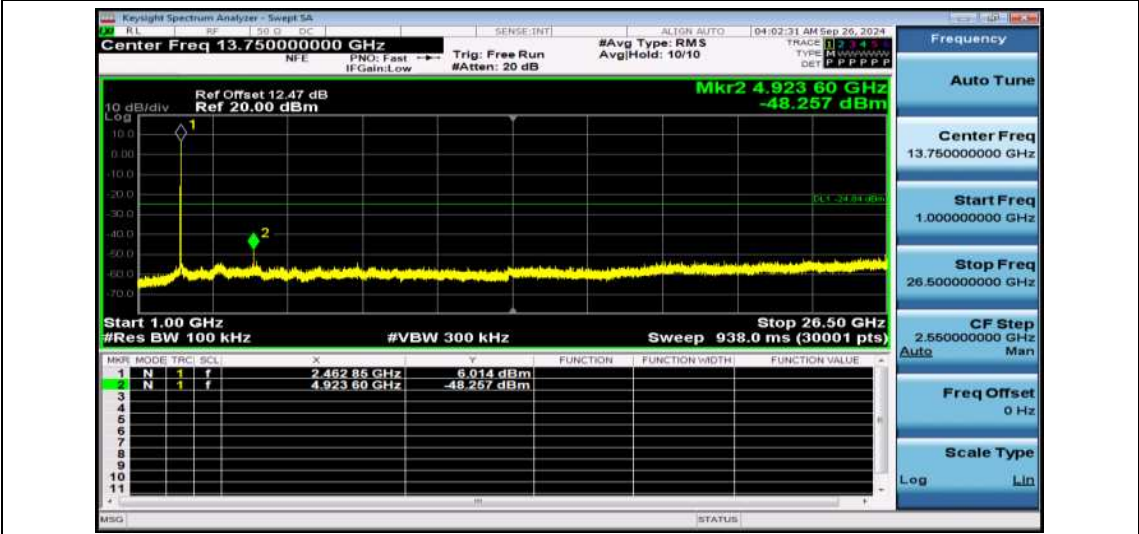
11B-Ant1-2437-1000~26500-PASS



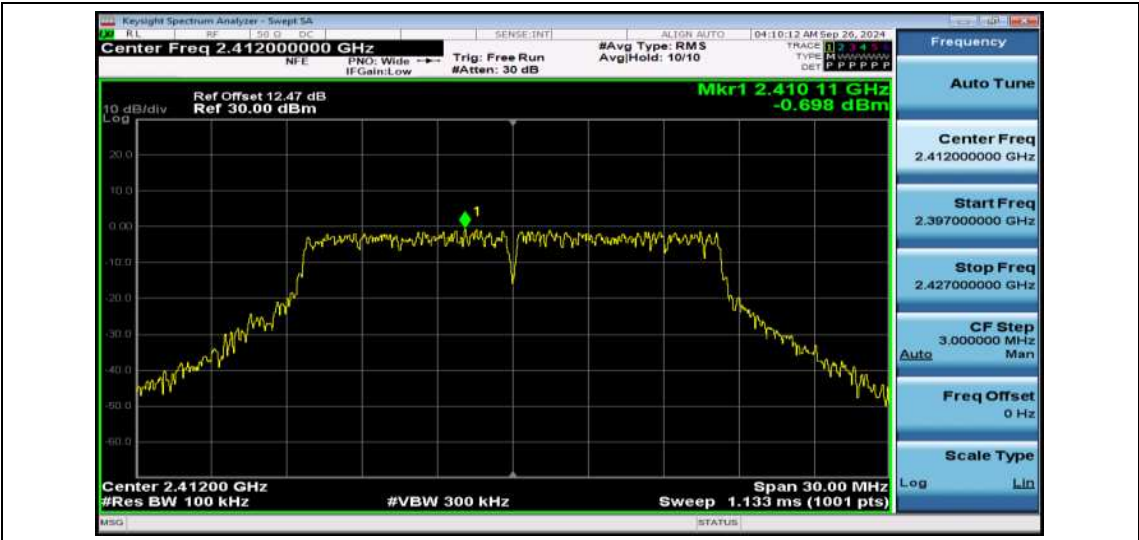
11B-Ant1-2462-0~Reference-PASS



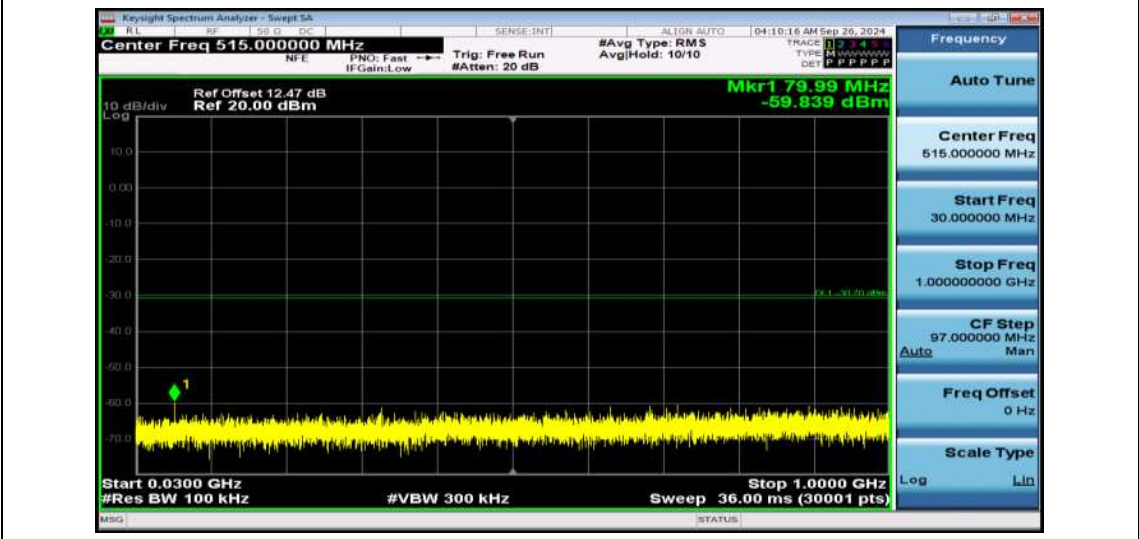
11B-Ant1-2462-30~1000-PASS



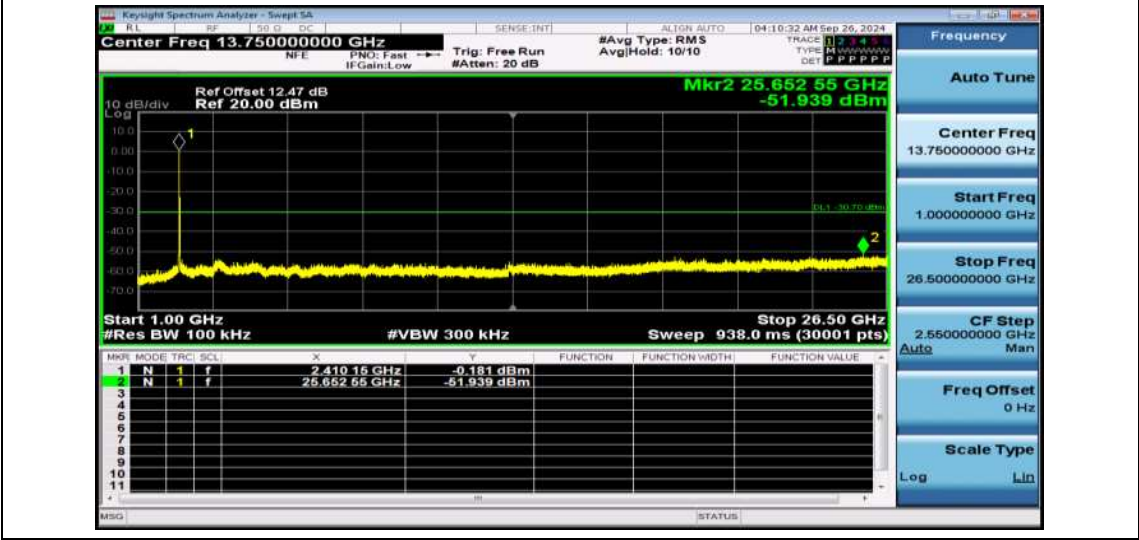
11B-Ant1-2462-1000~26500-PASS



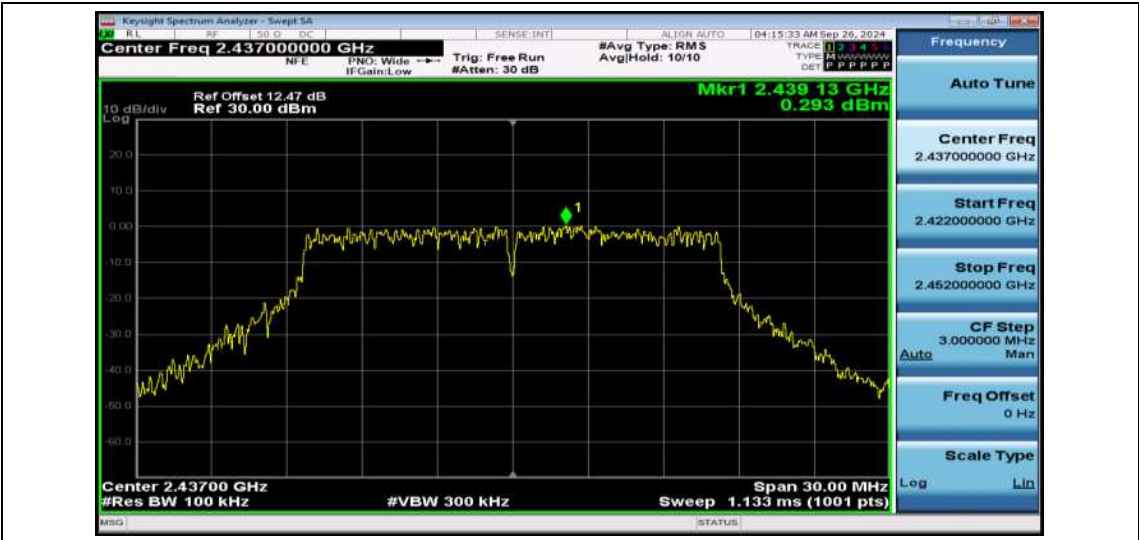
11G-Ant1-2412-0~Reference-PASS



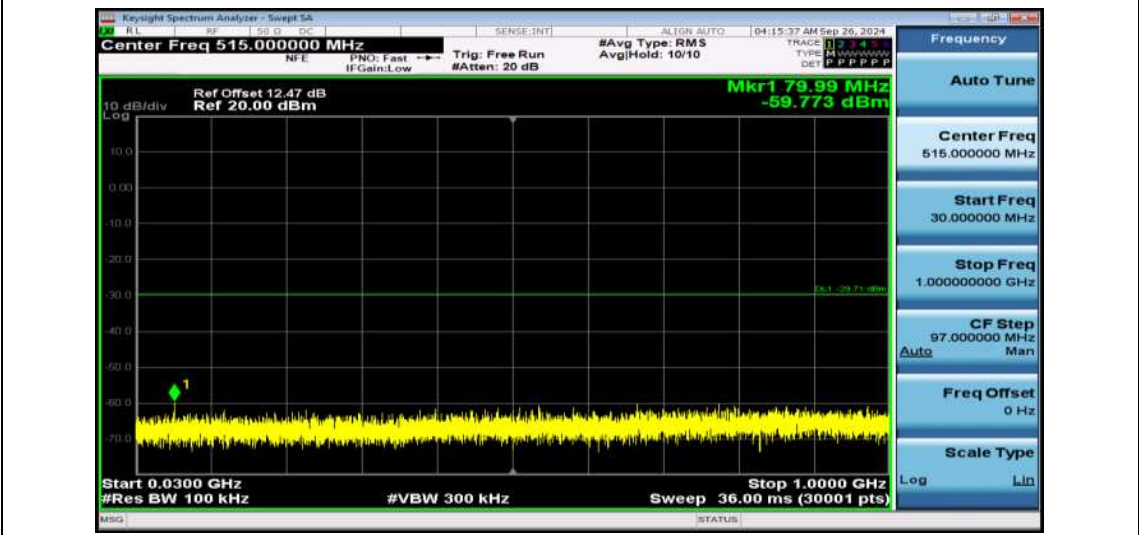
11G-Ant1-2412-30~1000-PASS



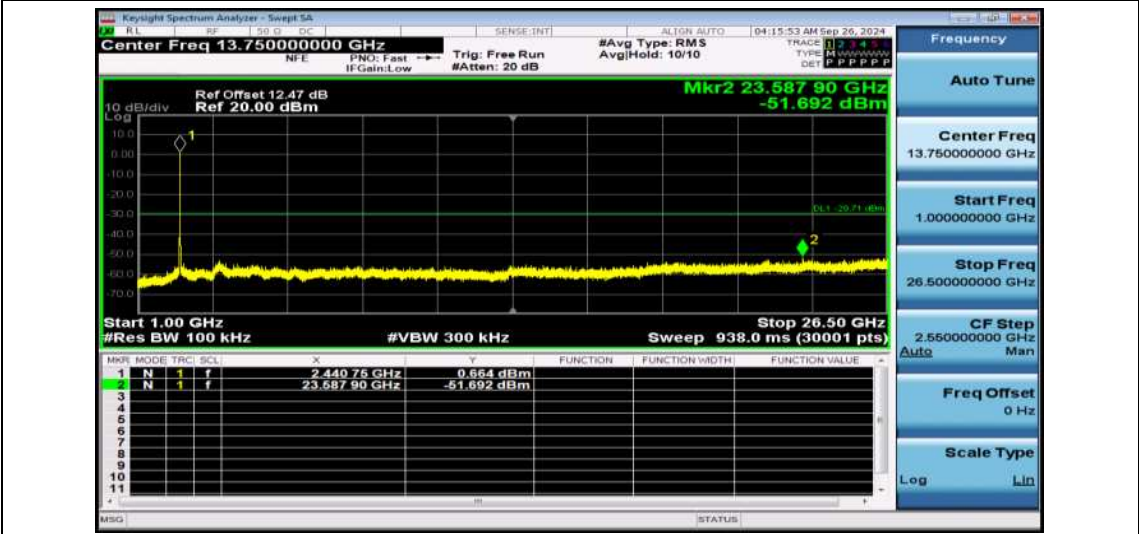
11G-Ant1-2412-1000~26500-PASS



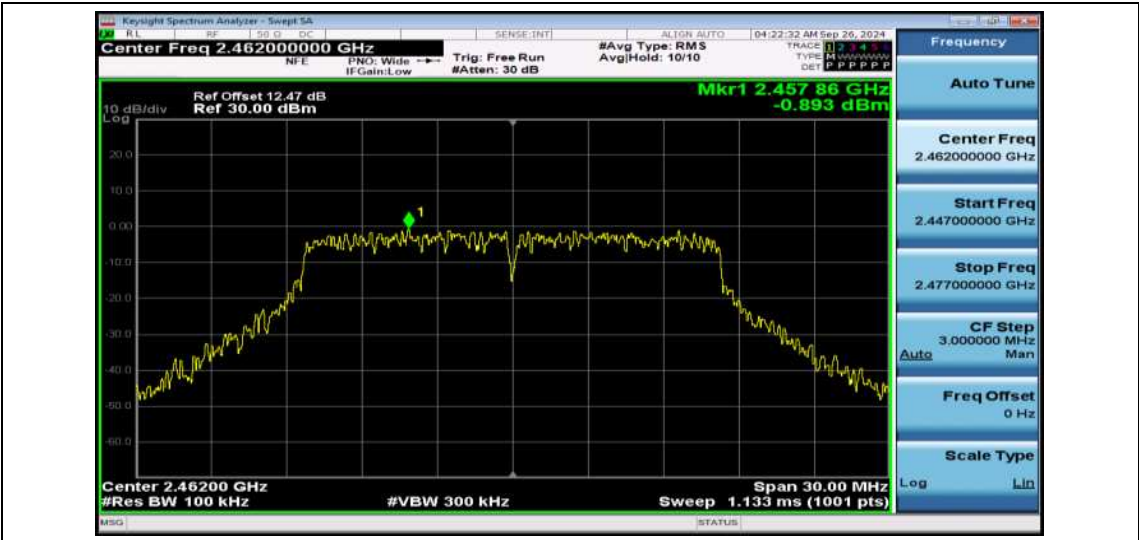
11G-Ant1-2437-0~Reference-PASS



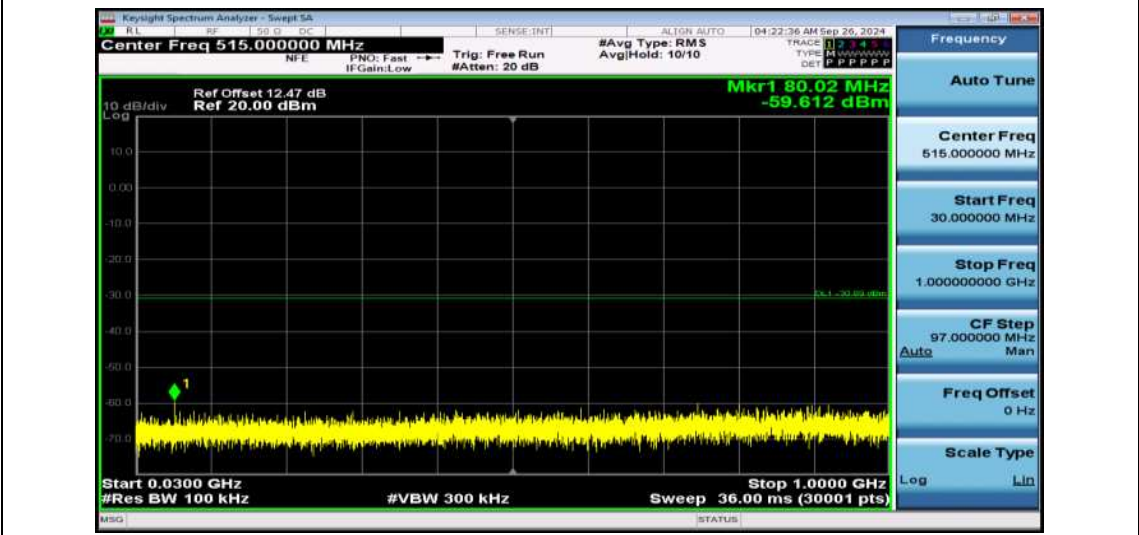
11G-Ant1-2437-30~1000-PASS



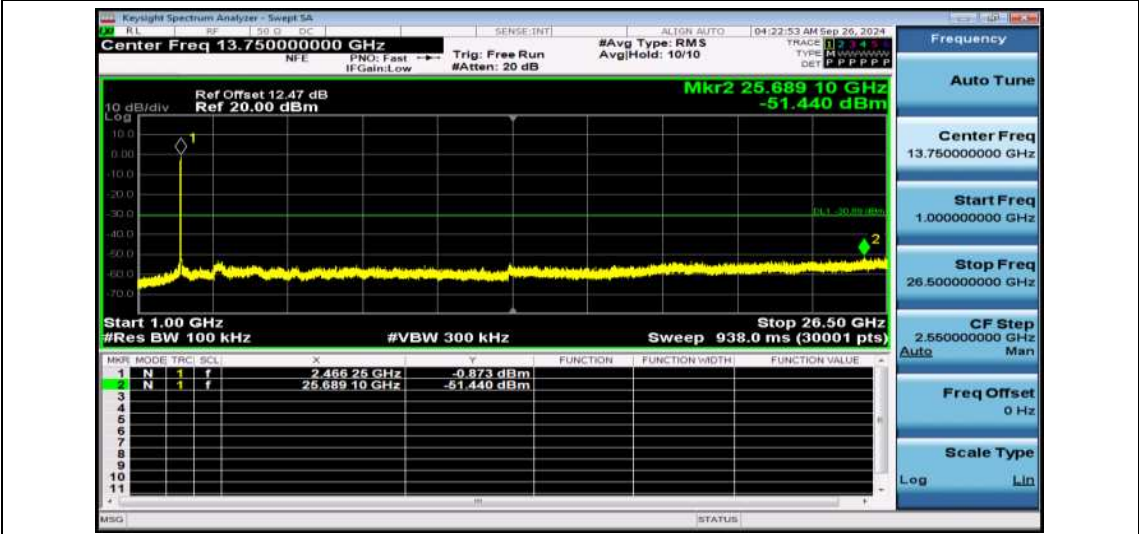
11G-Ant1-2437-1000~26500-PASS



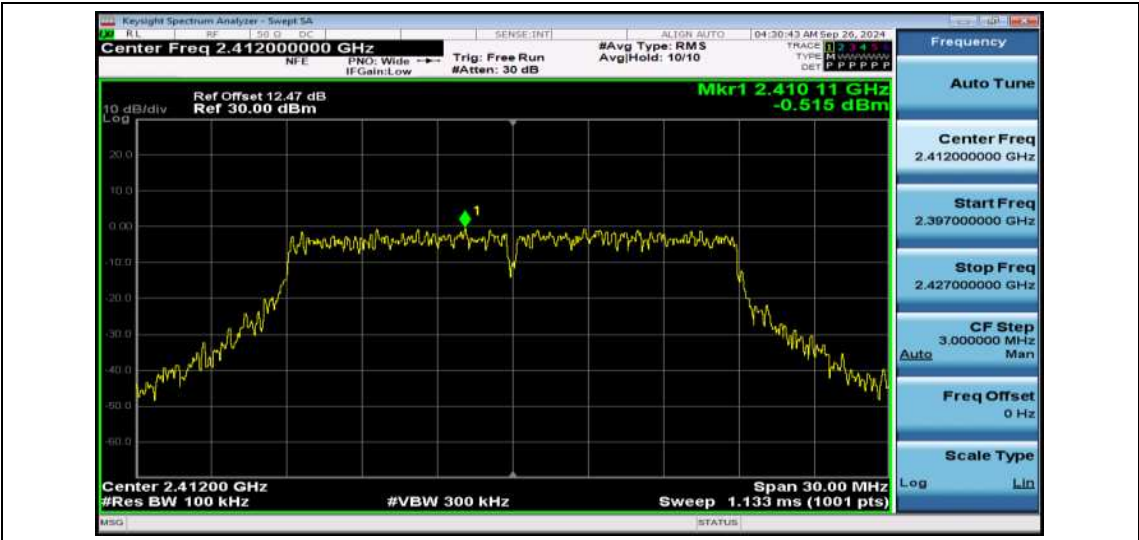
11G-Ant1-2462-0~Reference-PASS



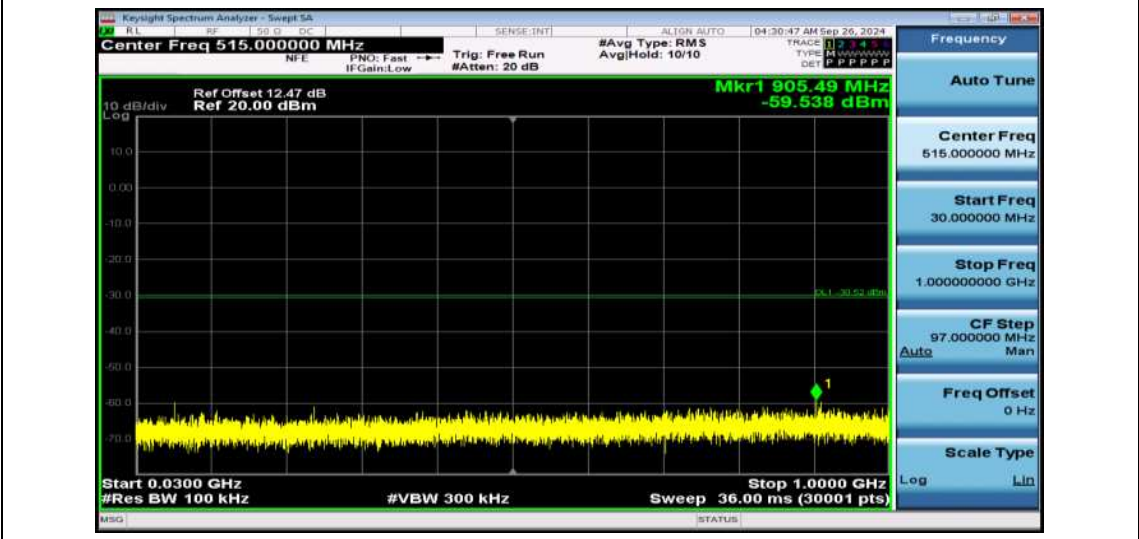
11G-Ant1-2462-30~1000-PASS



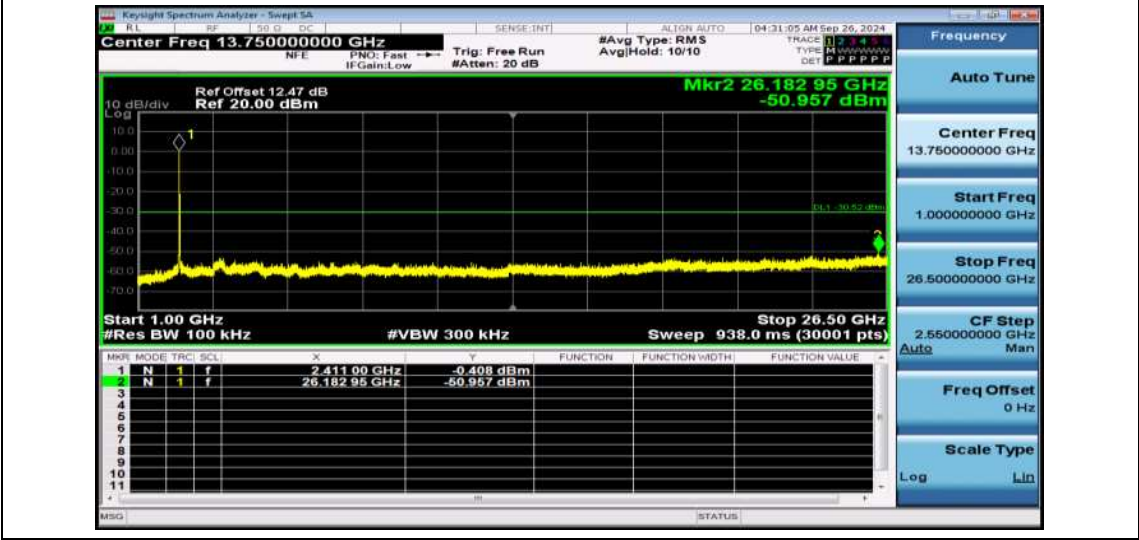
11G-Ant1-2462-1000~26500-PASS



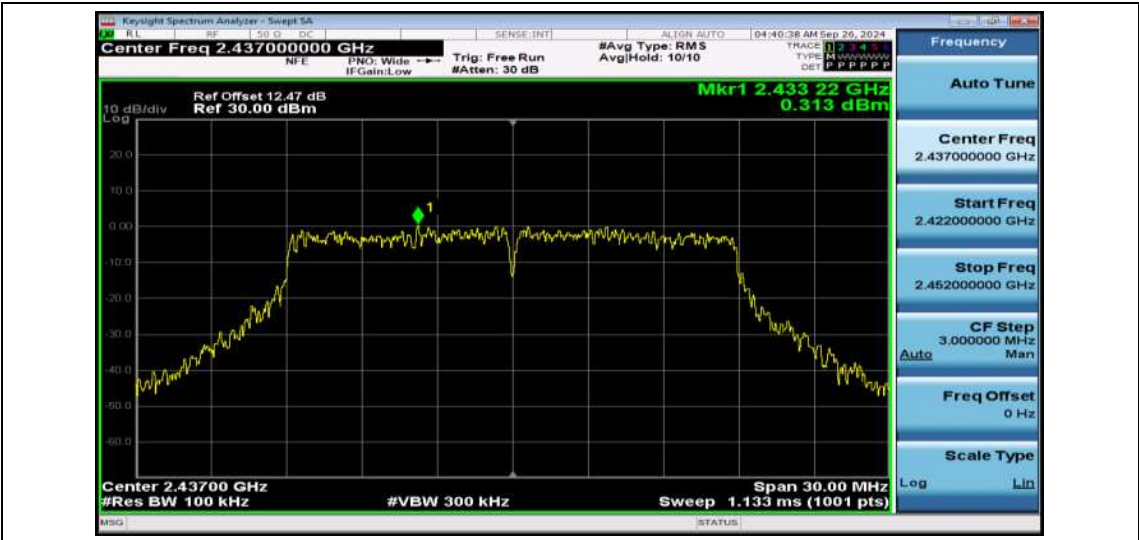
11N20SISO-Ant1-2412-0~Reference-PASS



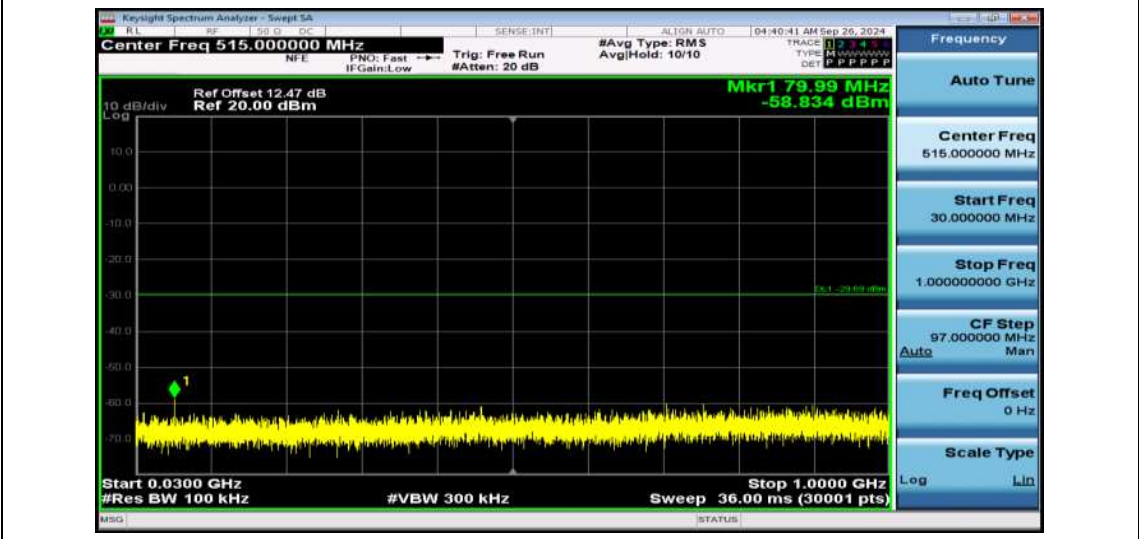
11N20SISO-Ant1-2412-30~1000-PASS



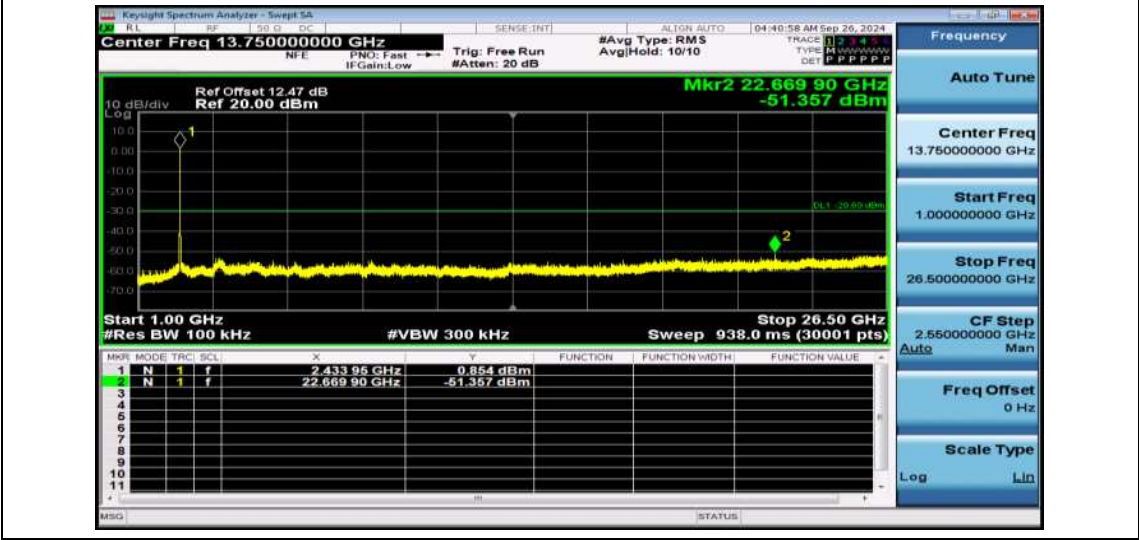
11N20SISO-Ant1-2412-1000~26500-PASS



11N20SISO-Ant1-2437-0~Reference-PASS



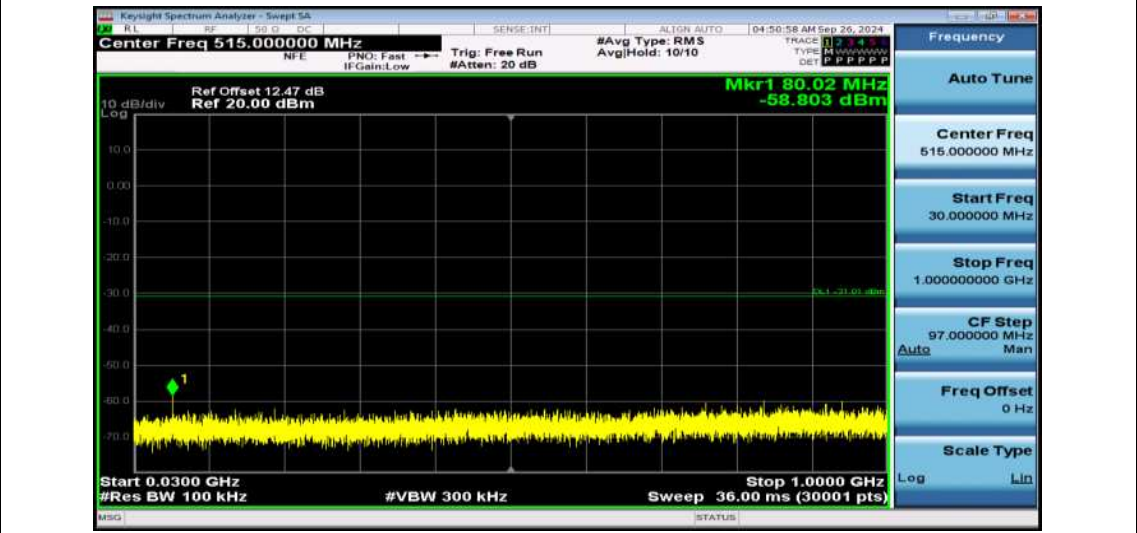
11N20SISO-Ant1-2437-30~1000-PASS



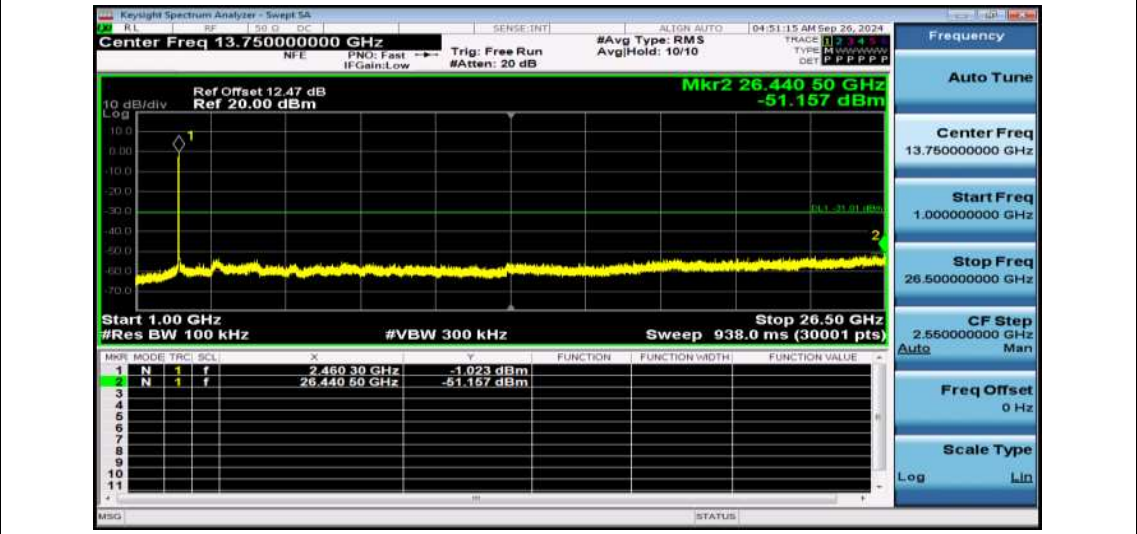
11N20SISO-Ant1-2437-1000~26500-PASS



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



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



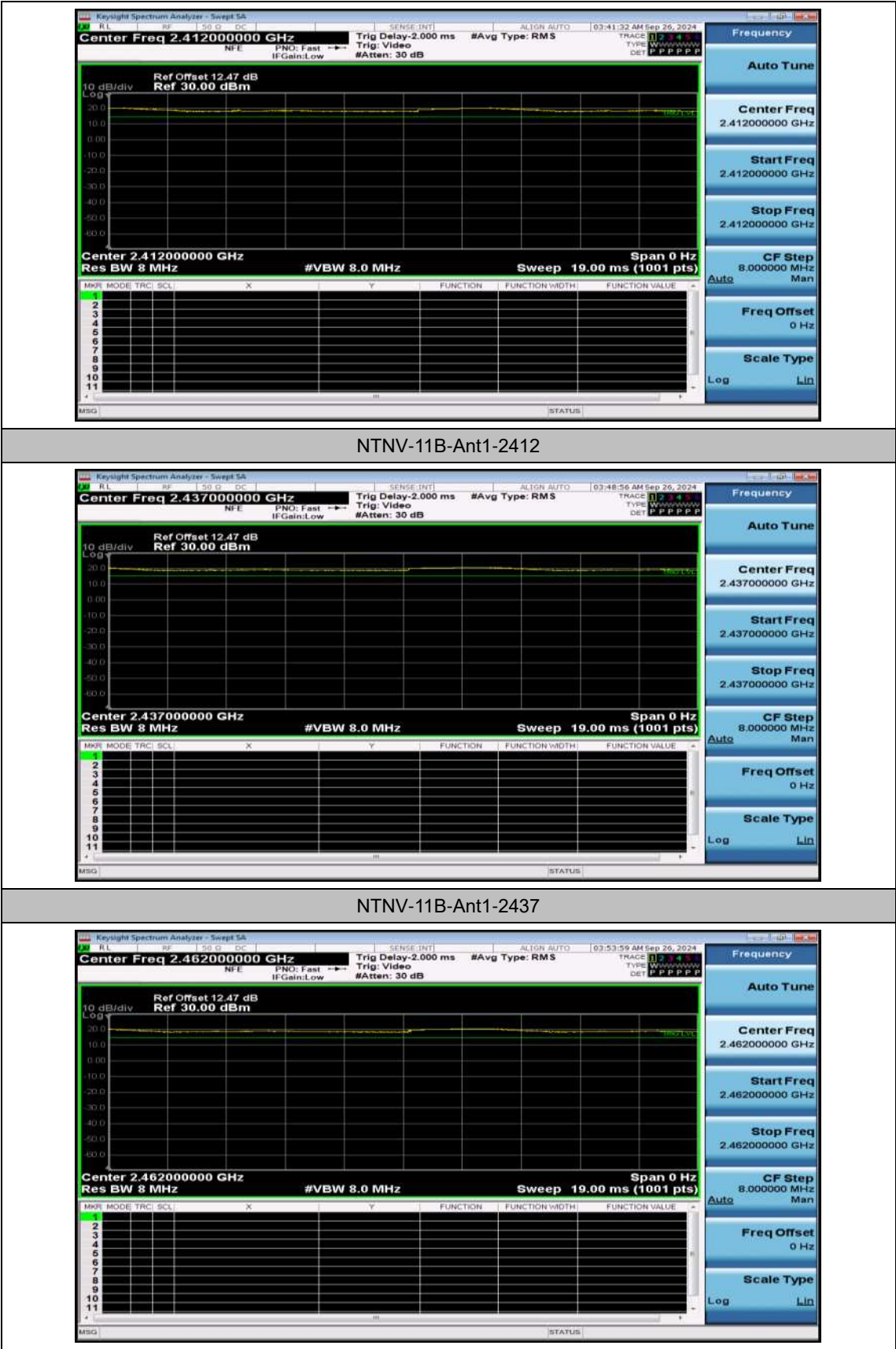
11N20SISO-Ant1-2462-1000~26500-PASS

Duty Cycle

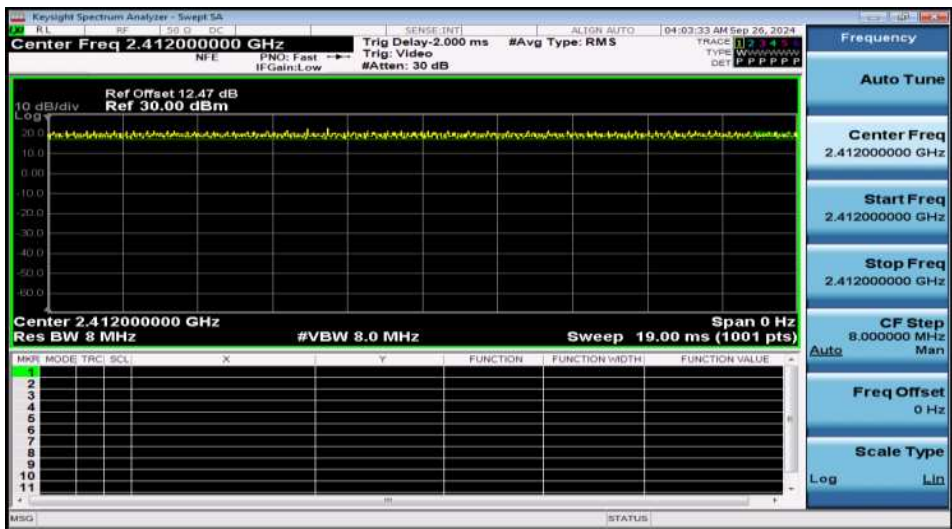
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	19.00	19.00	100.00	0.00
11B	Ant1	2437	19.00	19.00	100.00	0.00
11B	Ant1	2462	19.00	19.00	100.00	0.00
11G	Ant1	2412	19.00	19.00	100.00	0.00
11G	Ant1	2437	19.00	19.00	100.00	0.00
11G	Ant1	2462	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2412	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2437	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2462	19.00	19.00	100.00	0.00

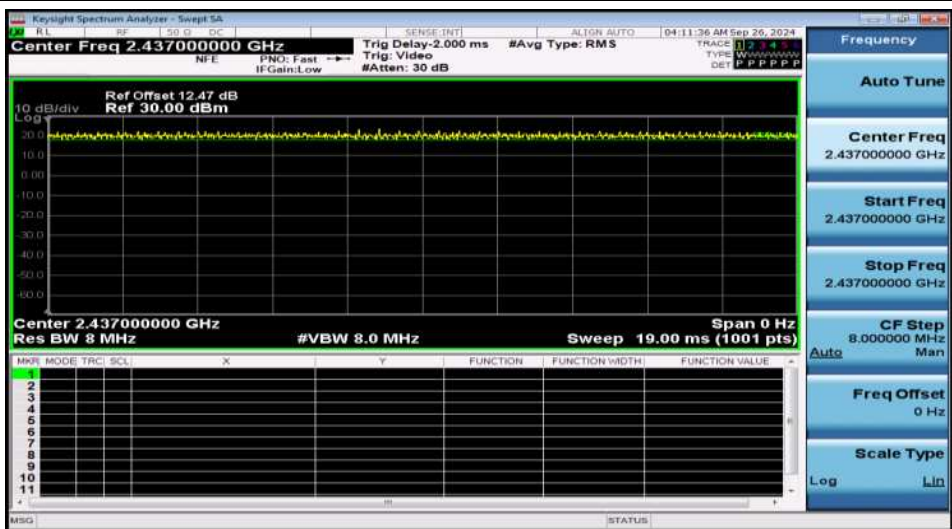
Test Graphs



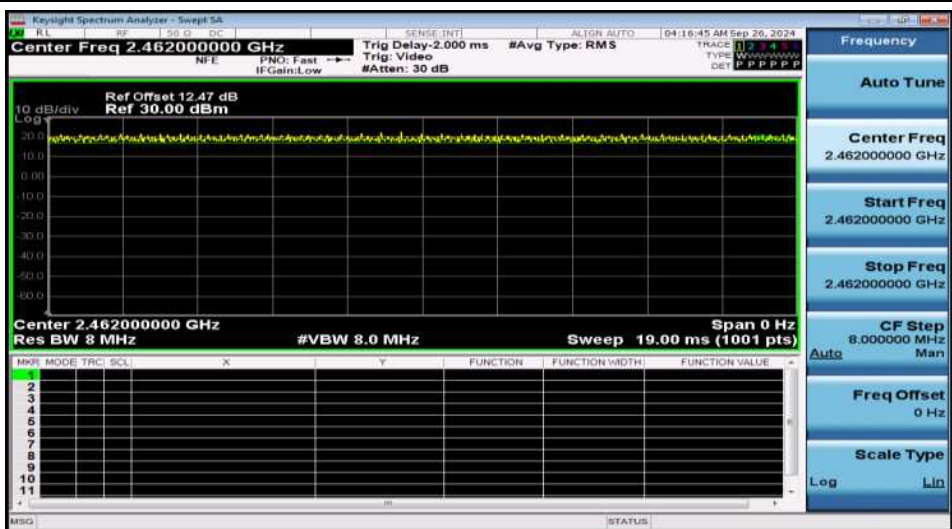
NTNV-11B-Ant1-2462



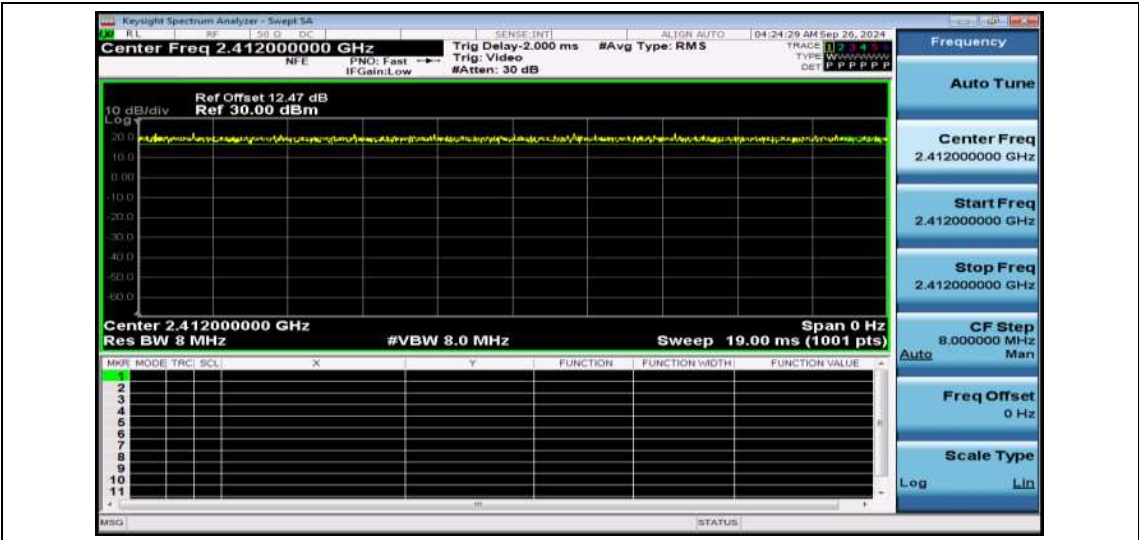
NTNV-11G-Ant1-2412



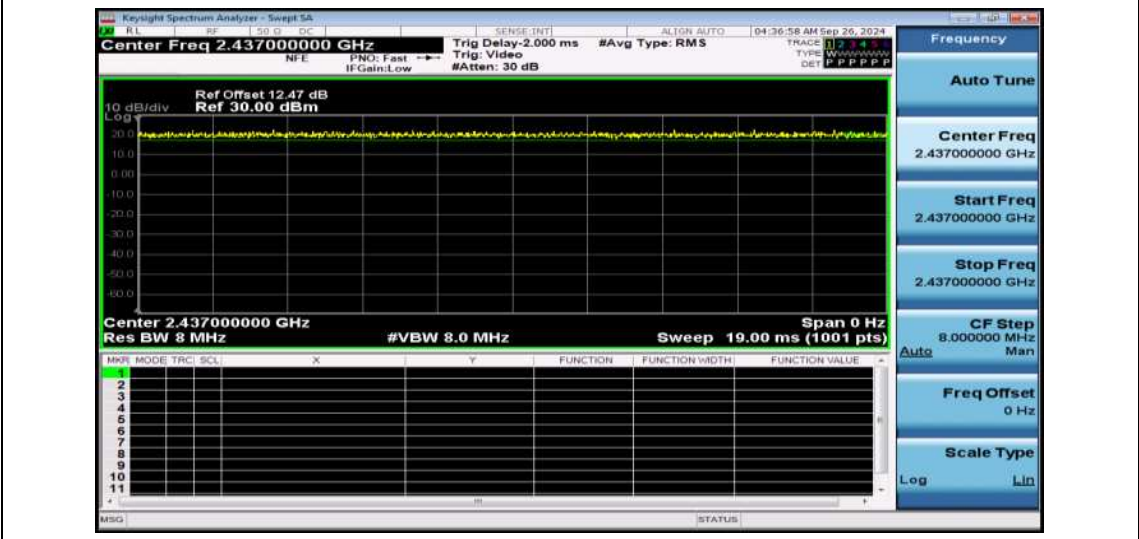
NTNV-11G-Ant1-2437



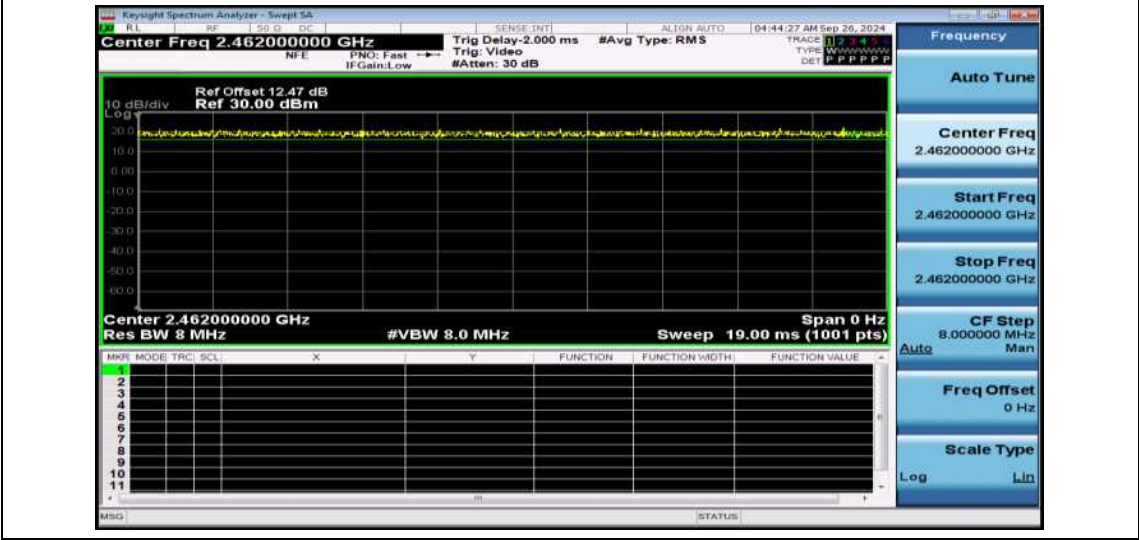
NTNV-11G-Ant1-2462



NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462