

Appendix A of WIFI Results

DTS Bandwidth

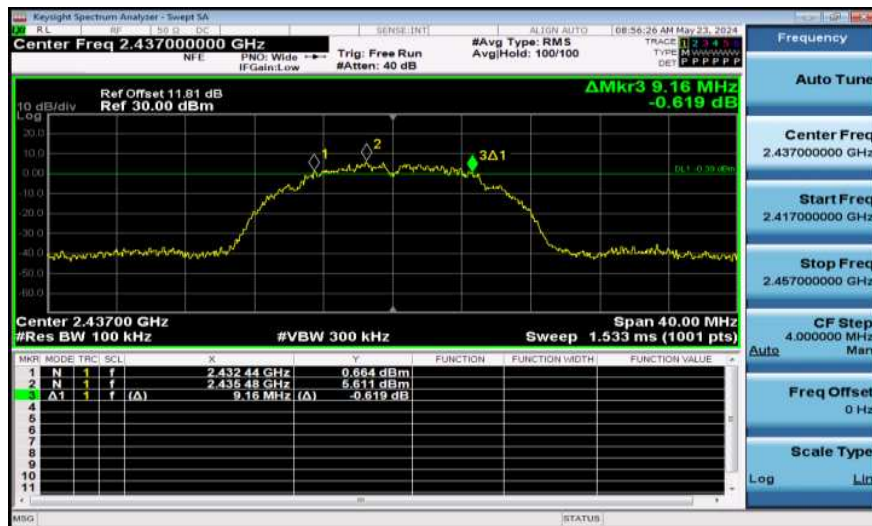
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.680	2407.400	2416.080	0.5	PASS
11B	Ant1	2437	9.160	2432.440	2441.600	0.5	PASS
11B	Ant1	2462	9.680	2457.280	2466.960	0.5	PASS
11G	Ant1	2412	16.320	2403.800	2420.120	0.5	PASS
11G	Ant1	2437	16.280	2428.840	2445.120	0.5	PASS
11G	Ant1	2462	16.040	2453.840	2469.880	0.5	PASS
11N20SISO	Ant1	2412	16.680	2403.560	2420.240	0.5	PASS
11N20SISO	Ant1	2437	17.280	2428.440	2445.720	0.5	PASS
11N20SISO	Ant1	2462	16.600	2453.560	2470.160	0.5	PASS

Test Graphs



11B-Ant1-2412-PASS



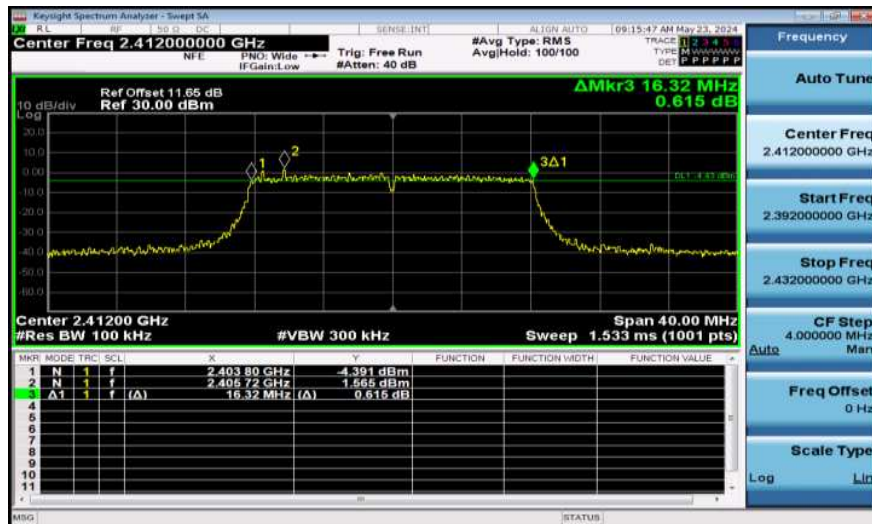
11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

FCC ID: 2AV7A-CW2

IC: 26039-CW2



11G-Ant1-2412-PASS



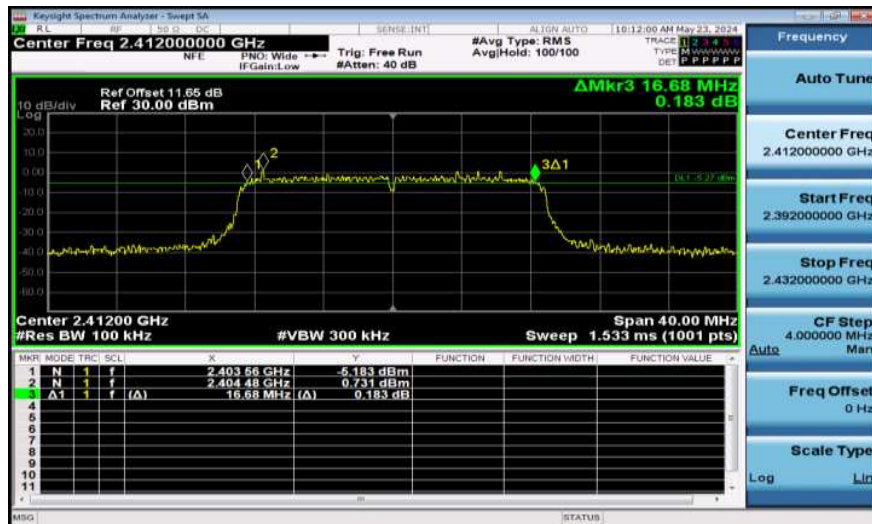
11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

FCC ID: 2AV7A-CW2

IC: 26039-CW2



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

FCC ID: 2AV7A-CW2

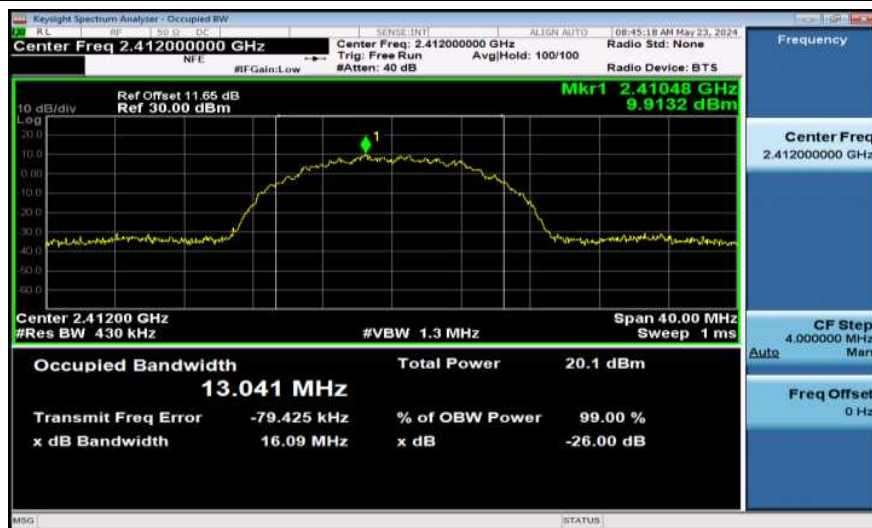
IC: 26039-CW2

Occupied Channel Bandwidth

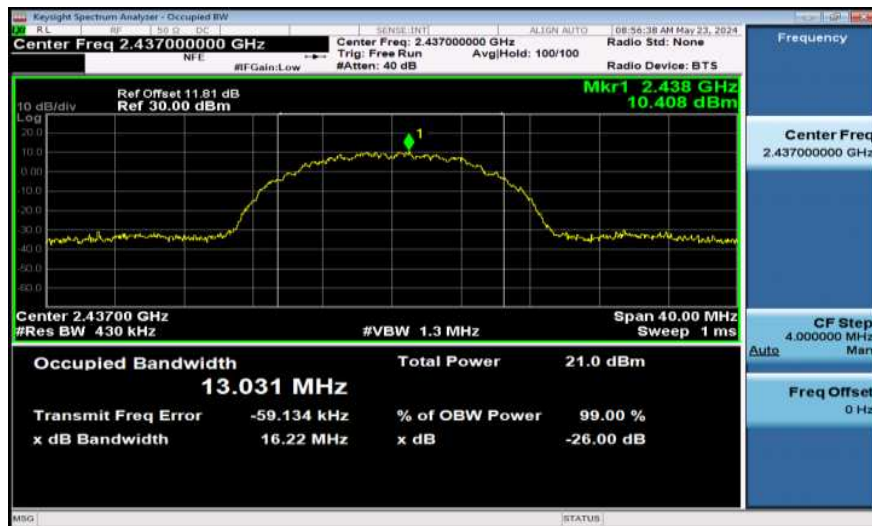
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.041	2405.4001	2418.4411	---	---
11B	Ant1	2437	13.031	2430.4254	2443.4564	---	---
11B	Ant1	2462	13.029	2455.4240	2468.4530	---	---
11G	Ant1	2412	16.573	2403.6750	2420.2480	---	---
11G	Ant1	2437	16.530	2428.6922	2445.2222	---	---
11G	Ant1	2462	16.601	2453.6478	2470.2488	---	---
11N20SISO	Ant1	2412	17.350	2403.3140	2420.6640	---	---
11N20SISO	Ant1	2437	17.340	2428.3151	2445.6551	---	---
11N20SISO	Ant1	2462	17.363	2453.2715	2470.6345	---	---

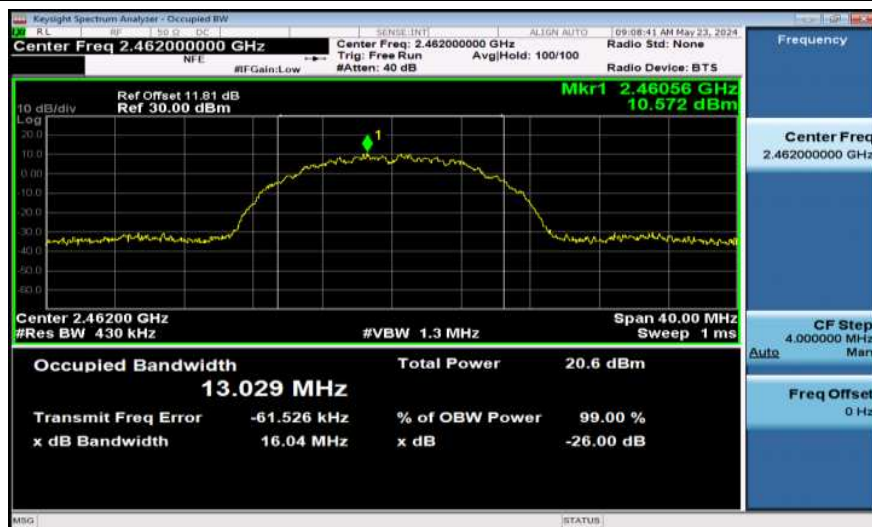
Test Graphs



11B-Ant1-2412



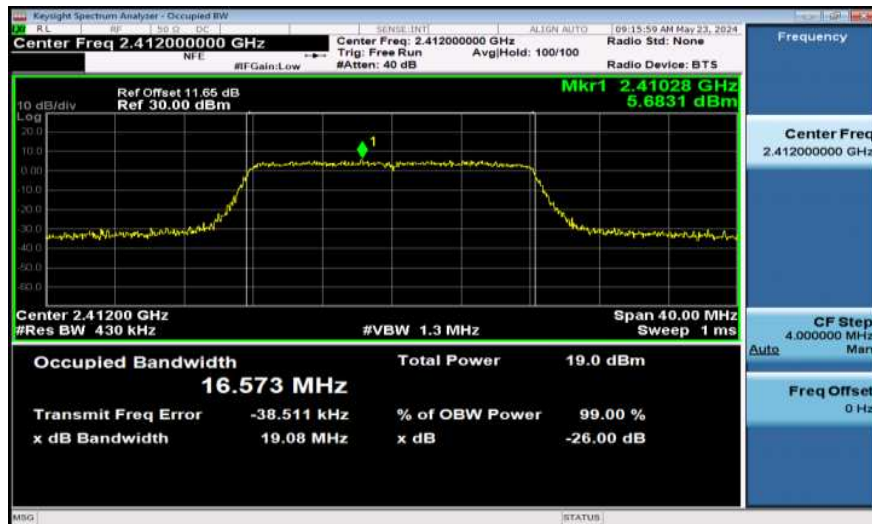
11B-Ant1-2437



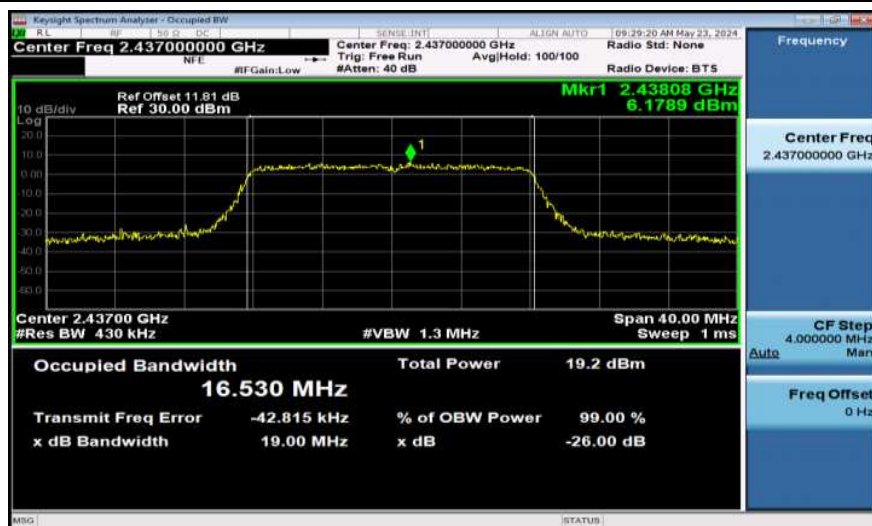
11B-Ant1-2462

FCC ID: 2AV7A-CW2

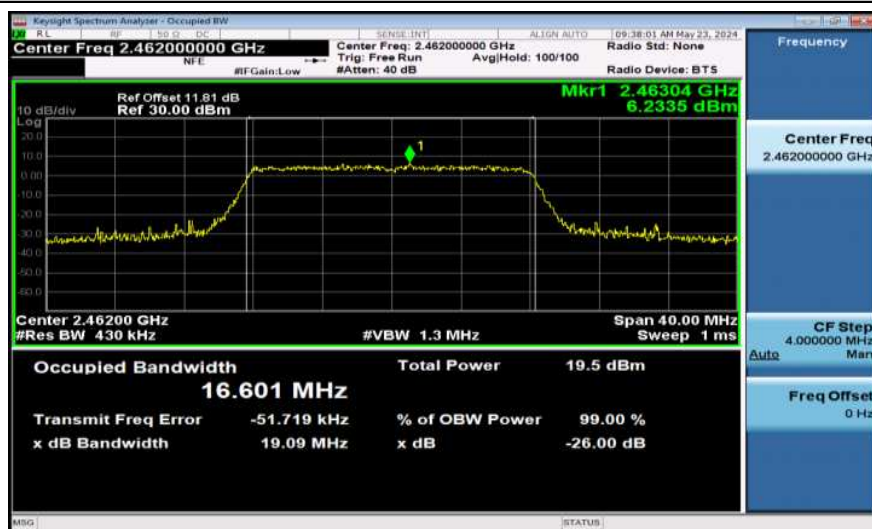
IC: 26039-CW2



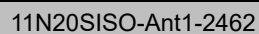
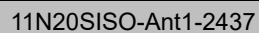
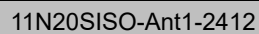
11G-Ant1-2412



11G-Ant1-2437



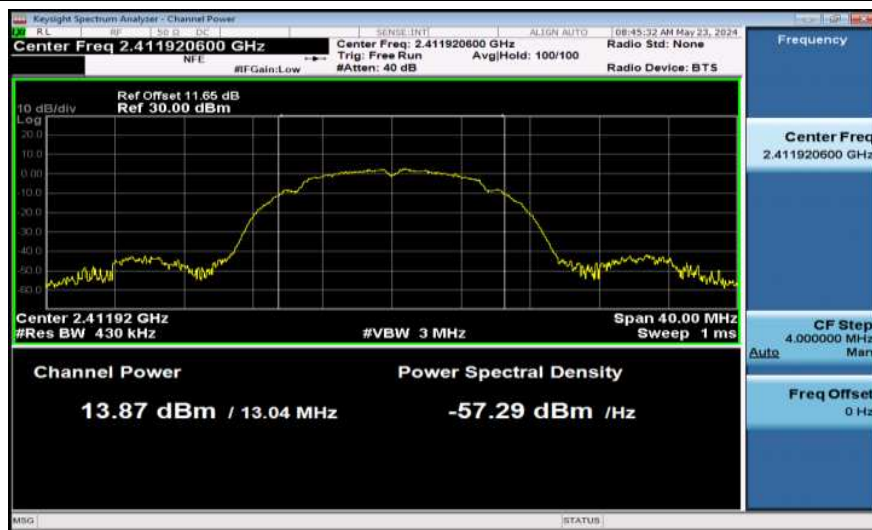
11G-Ant1-2462



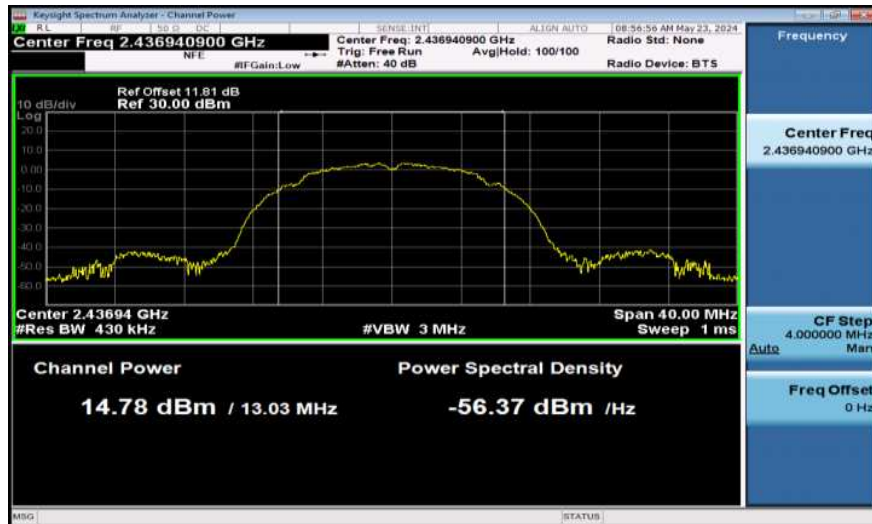
Maximum conducted output power**Test Result Average**

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	13.87	100.00	0.00	13.87	≤30.00	3.96	17.83	≤36.00	PASS
11B	Ant1	2437	14.78	100.00	0.00	14.78	≤30.00	3.96	18.74	≤36.00	PASS
11B	Ant1	2462	14.32	100.00	0.00	14.32	≤30.00	3.96	18.28	≤36.00	PASS
11G	Ant1	2412	13.00	99.64	0.02	13.02	≤30.00	3.96	16.98	≤36.00	PASS
11G	Ant1	2437	13.19	99.64	0.02	13.21	≤30.00	3.96	17.17	≤36.00	PASS
11G	Ant1	2462	13.42	99.64	0.02	13.44	≤30.00	3.96	17.40	≤36.00	PASS
11N20 SISO	Ant1	2412	12.87	99.61	0.02	12.89	≤30.00	3.96	16.85	≤36.00	PASS
11N20 SISO	Ant1	2437	13.44	99.61	0.02	13.46	≤30.00	3.96	17.42	≤36.00	PASS
11N20 SISO	Ant1	2462	13.41	99.41	0.03	13.44	≤30.00	3.96	17.40	≤36.00	PASS

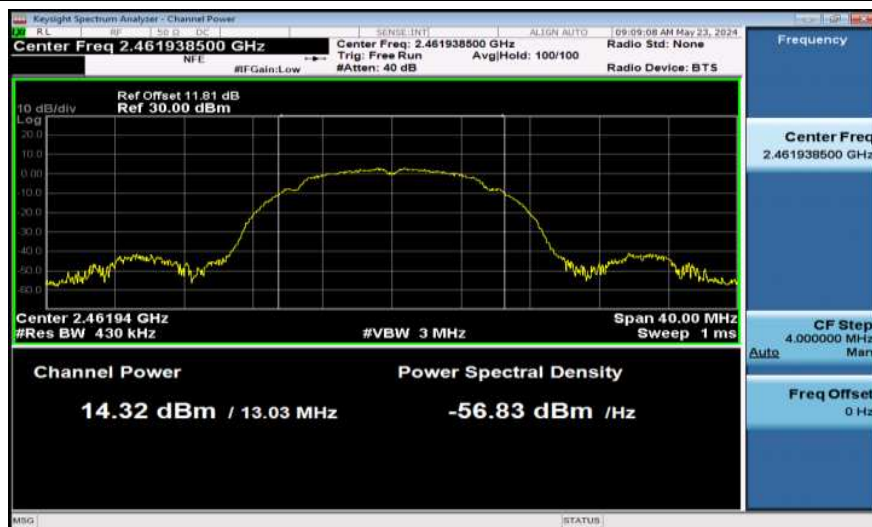
Test Graphs Average



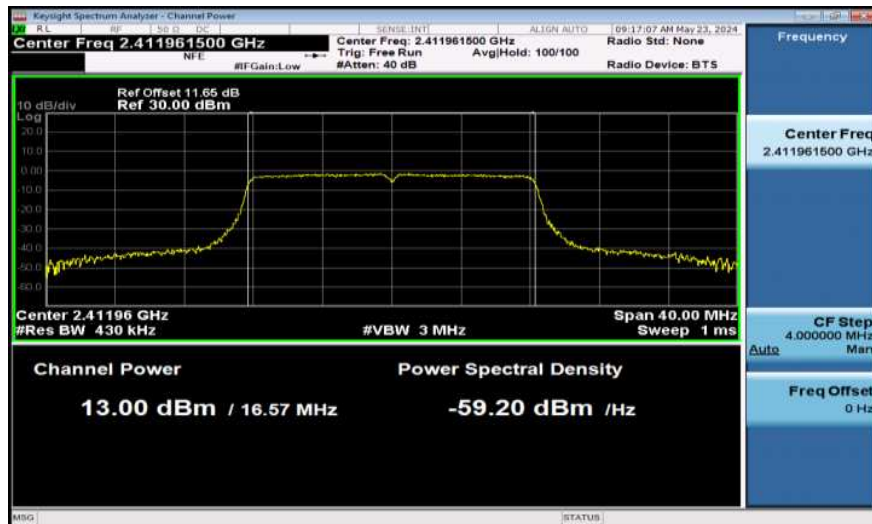
11B-Ant1-2412-PASS



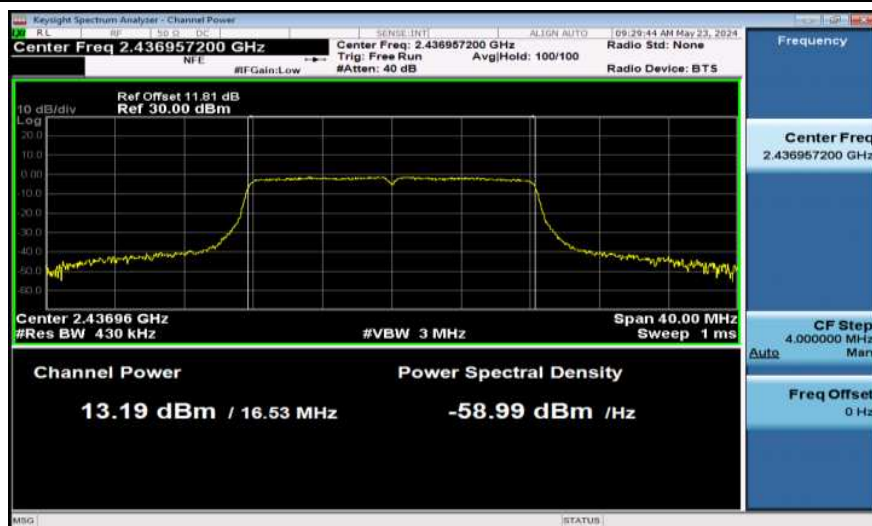
11B-Ant1-2437-PASS



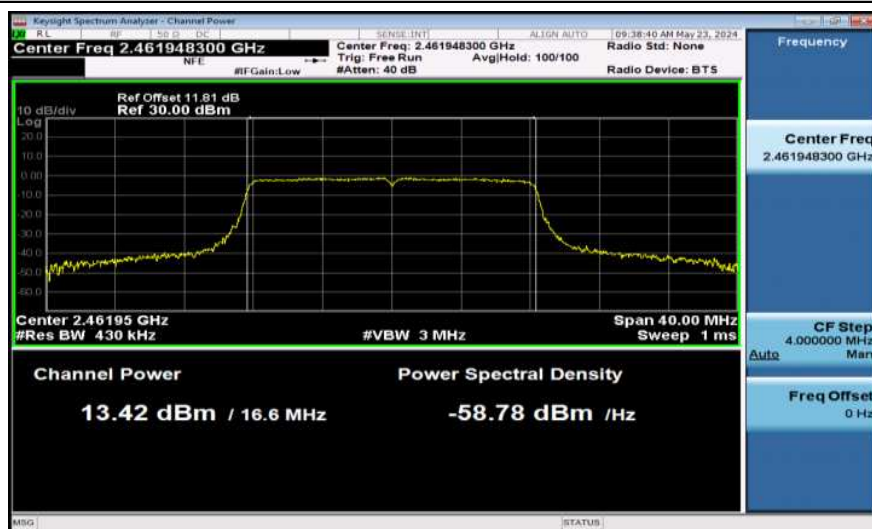
11B-Ant1-2462-PASS



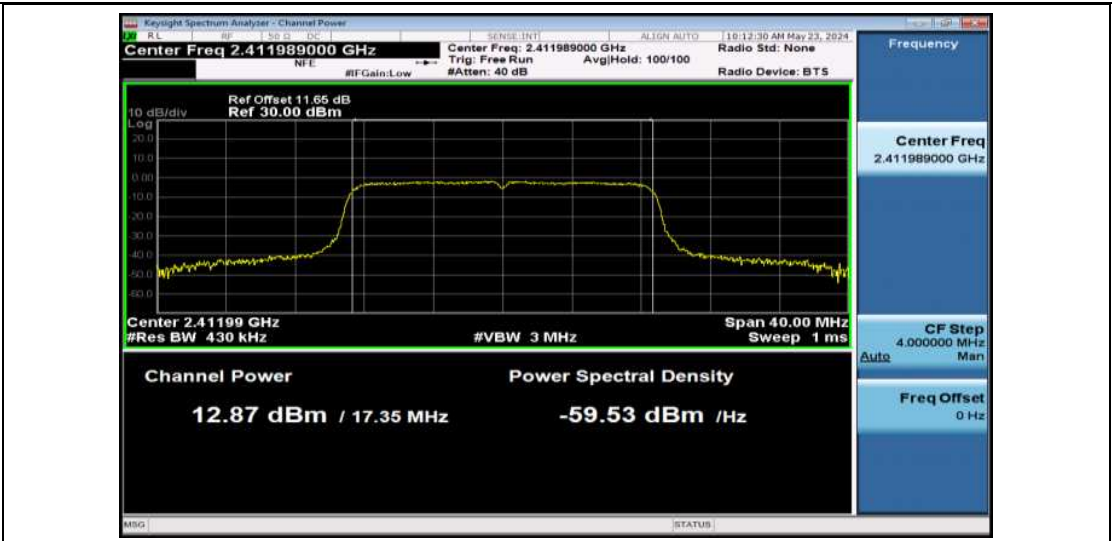
11G-Ant1-2412-PASS



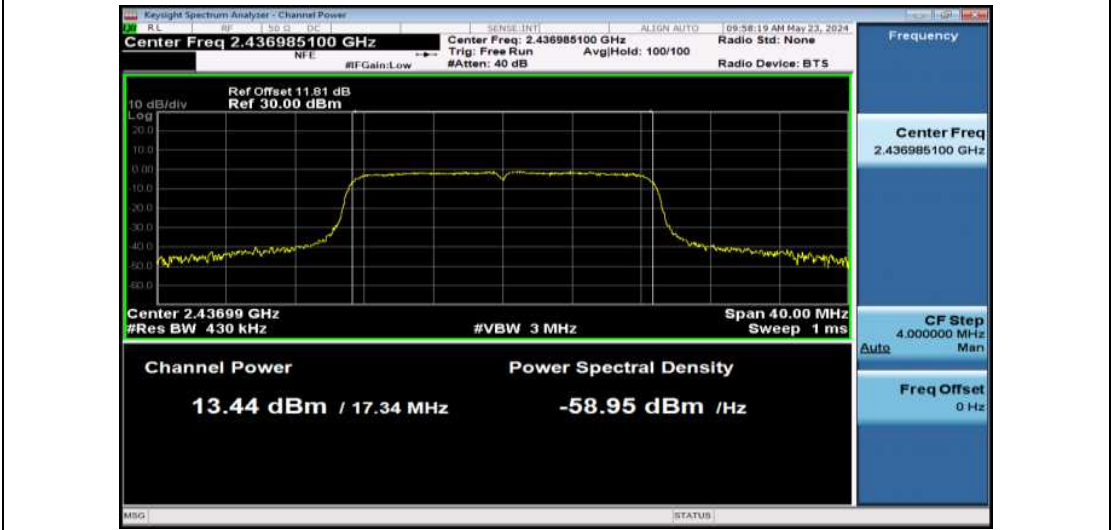
11G-Ant1-2437-PASS



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

FCC ID: 2AV7A-CW2

IC: 26039-CW2

Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.72	≤8.00	PASS
11B	Ant1	2437	-16.95	≤8.00	PASS
11B	Ant1	2462	-17.07	≤8.00	PASS
11G	Ant1	2412	-19.10	≤8.00	PASS
11G	Ant1	2437	-18.47	≤8.00	PASS
11G	Ant1	2462	-18.67	≤8.00	PASS
11N20SISO	Ant1	2412	-19.87	≤8.00	PASS
11N20SISO	Ant1	2437	-19.20	≤8.00	PASS
11N20SISO	Ant1	2462	-19.17	≤8.00	PASS

Test Graphs



11B-Ant1-2412-PASS



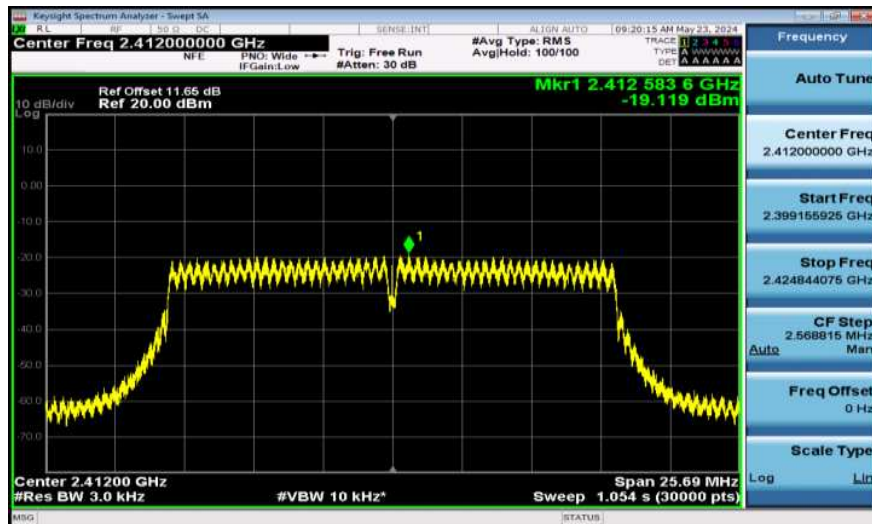
11B-Ant1-2437-PASS



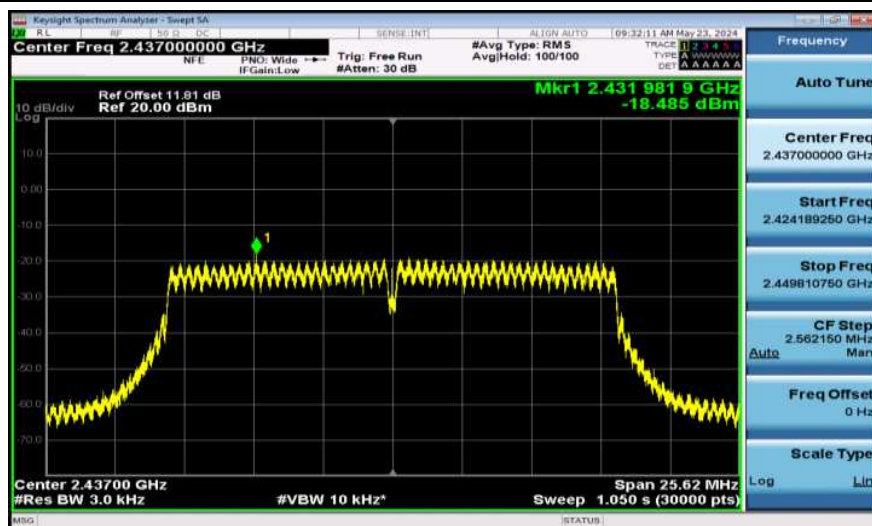
11B-Ant1-2462-PASS

FCC ID: 2AV7A-CW2

IC: 26039-CW2



11G-Ant1-2412-PASS



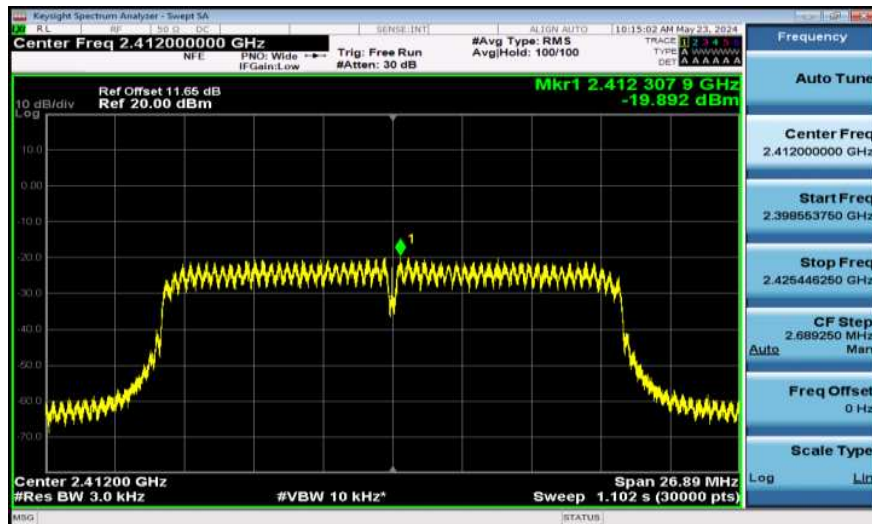
11G-Ant1-2437-PASS



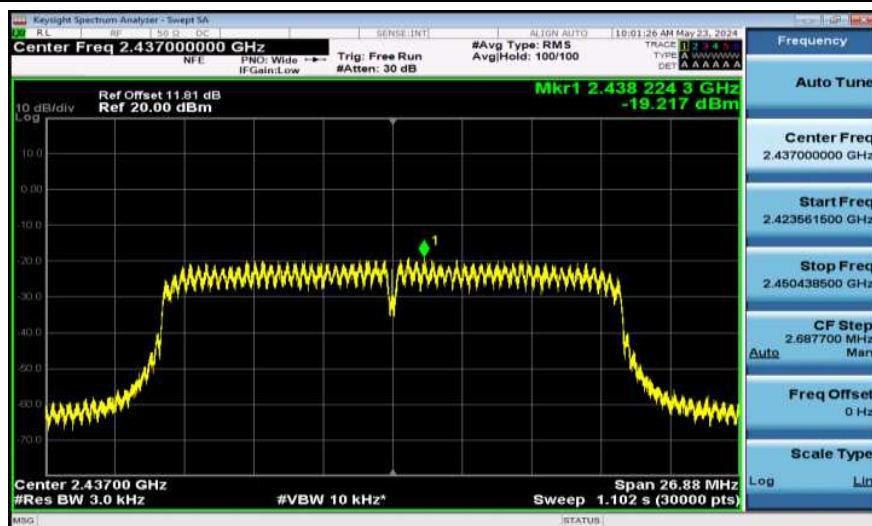
11G-Ant1-2462-PASS

FCC ID: 2AV7A-CW2

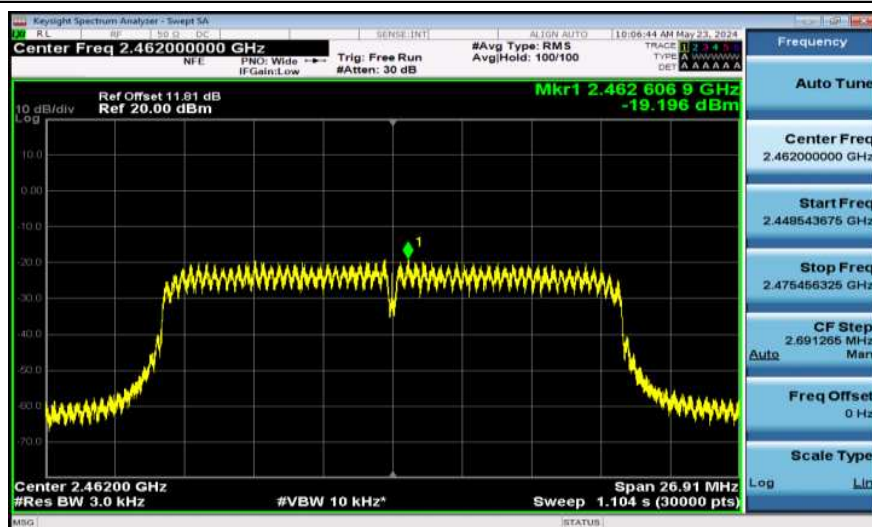
IC: 26039-CW2



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



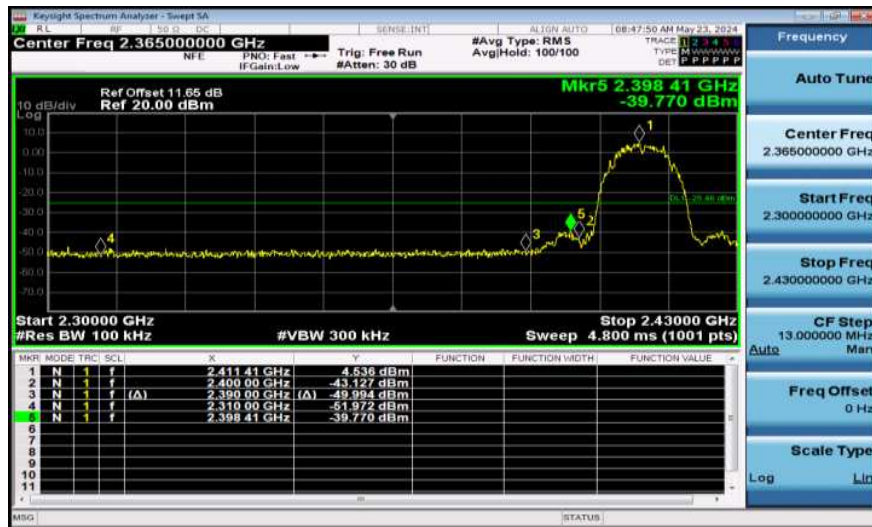
11N20SISO-Ant1-2462-PASS

Band edge measurements

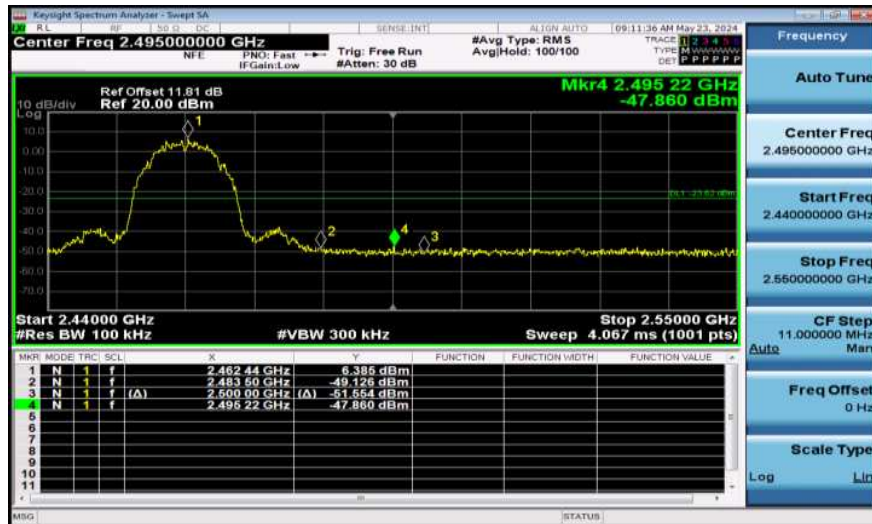
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.54	-39.77	$\leq$ -25.46	PASS
11B	Ant1	High	2462	6.39	-47.86	$\leq$ -23.62	PASS
11G	Ant1	Low	2412	0.86	-37.59	$\leq$ -29.14	PASS
11G	Ant1	High	2462	1.15	-41.6	$\leq$ -28.85	PASS
11N20SISO	Ant1	Low	2412	0.06	-36.68	$\leq$ -29.95	PASS
11N20SISO	Ant1	High	2462	0.87	-42.73	$\leq$ -29.13	PASS

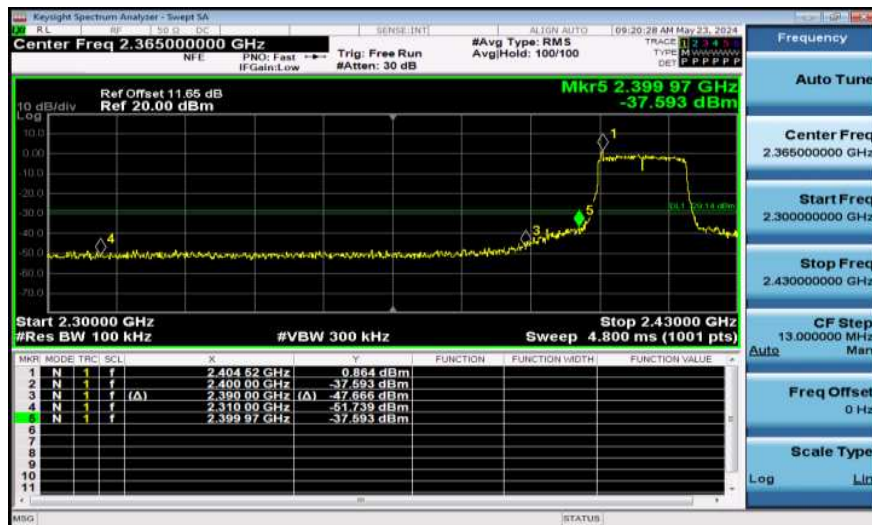
Test Graphs



11B-Ant1-2412-PASS



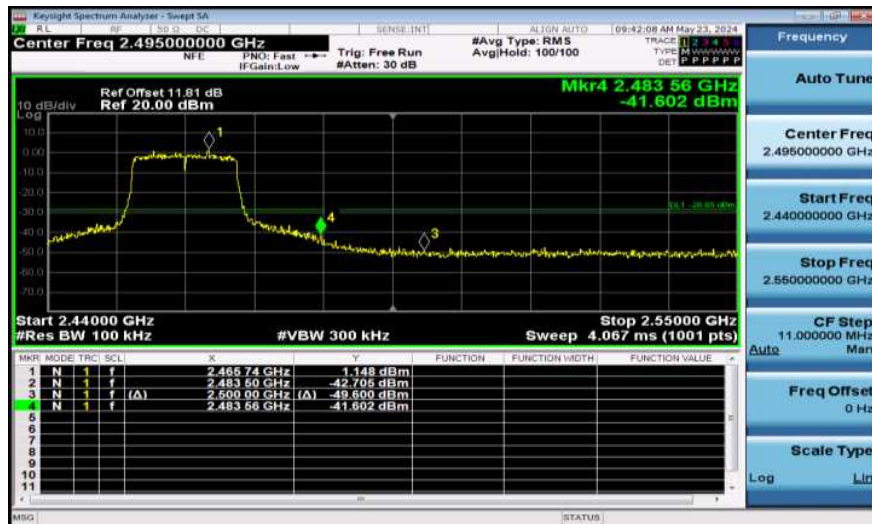
11B-Ant1-2462-PASS



11G-Ant1-2412-PASS

FCC ID: 2AV7A-CW2

IC: 26039-CW2



11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

Conducted Spurious Emission

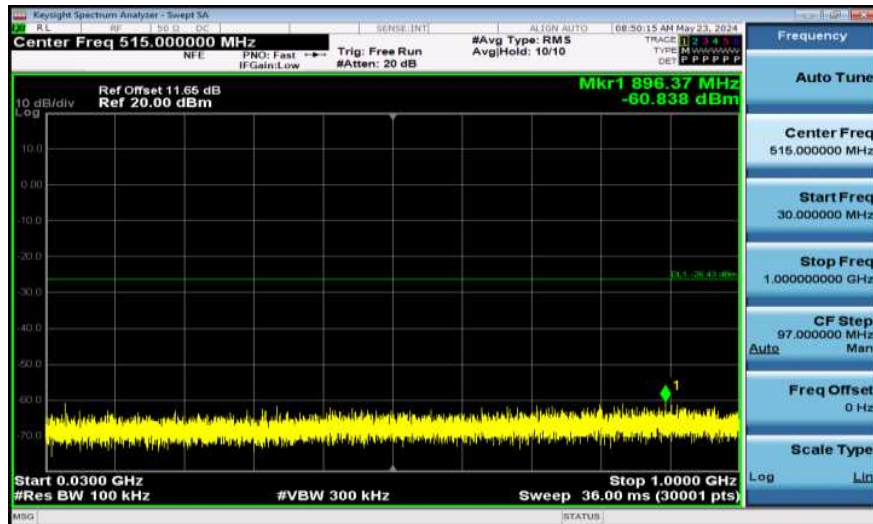
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	3.57	3.57	---	PASS
11B	Ant1	2412	30~1000	3.57	-60.84	≤-26.43	PASS
11B	Ant1	2412	1000~26500	3.57	-44.1	≤-26.43	PASS
11B	Ant1	2437	0~Reference	3.61	3.61	---	PASS
11B	Ant1	2437	30~1000	3.61	-60.83	≤-26.39	PASS
11B	Ant1	2437	1000~26500	3.61	-46.25	≤-26.39	PASS
11B	Ant1	2462	0~Reference	5.35	5.35	---	PASS
11B	Ant1	2462	30~1000	5.35	-59.37	≤-24.65	PASS
11B	Ant1	2462	1000~26500	5.35	-47.24	≤-24.65	PASS
11G	Ant1	2412	0~Reference	0.17	0.17	---	PASS
11G	Ant1	2412	30~1000	0.17	-60.28	≤-29.83	PASS
11G	Ant1	2412	1000~26500	0.17	-44.94	≤-29.83	PASS
11G	Ant1	2437	0~Reference	-0.64	-0.64	---	PASS
11G	Ant1	2437	30~1000	-0.64	-61.07	≤-30.64	PASS
11G	Ant1	2437	1000~26500	-0.64	-47.31	≤-30.64	PASS
11G	Ant1	2462	0~Reference	-1.06	-1.06	---	PASS
11G	Ant1	2462	30~1000	-1.06	-60.81	≤-31.06	PASS
11G	Ant1	2462	1000~26500	-1.06	-48.18	≤-31.06	PASS
11N20SISO	Ant1	2412	0~Reference	-1.80	-1.80	---	PASS
11N20SISO	Ant1	2412	30~1000	-1.80	-60.25	≤-31.8	PASS
11N20SISO	Ant1	2412	1000~26500	-1.80	-44.67	≤-31.8	PASS
11N20SISO	Ant1	2437	0~Reference	-1.47	-1.47	---	PASS
11N20SISO	Ant1	2437	30~1000	-1.47	-60.15	≤-31.47	PASS
11N20SISO	Ant1	2437	1000~26500	-1.47	-47.29	≤-31.47	PASS
11N20SISO	Ant1	2462	0~Reference	-1.01	-1.01	---	PASS
11N20SISO	Ant1	2462	30~1000	-1.01	-60.52	≤-31.01	PASS
11N20SISO	Ant1	2462	1000~26500	-1.01	-48.78	≤-31.01	PASS

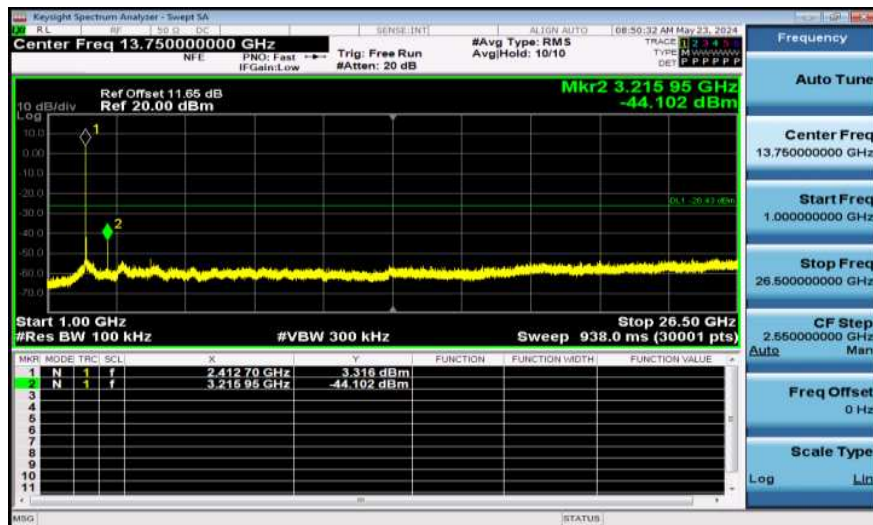
Test Graphs



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



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



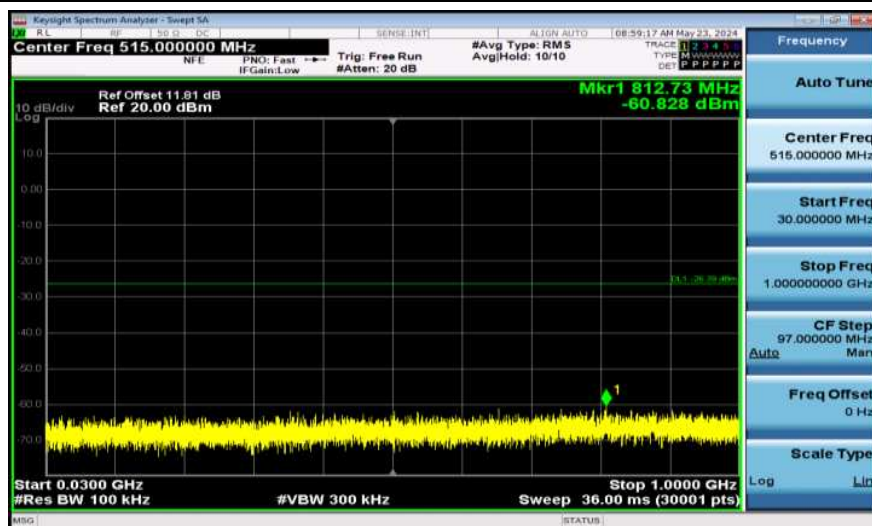
11B-Ant1-2412-1000~26500-PASS

FCC ID: 2AV7A-CW2

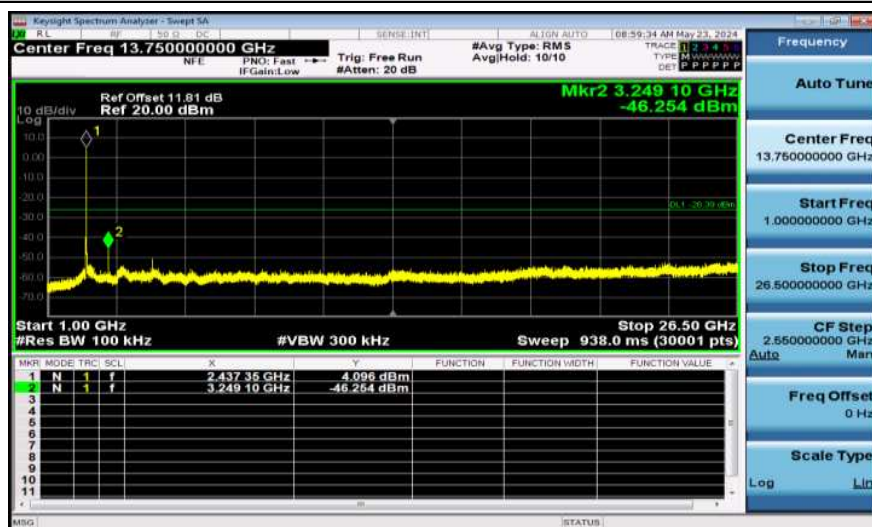
IC: 26039-CW2



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



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



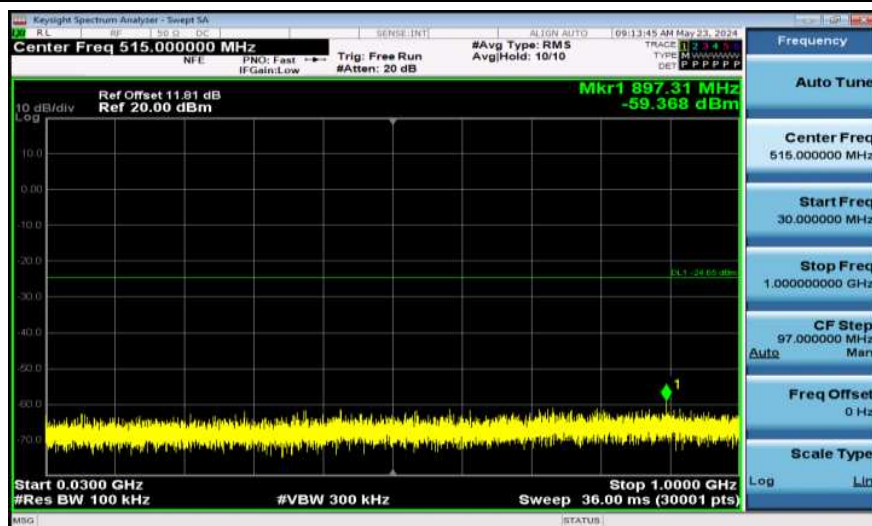
11B-Ant1-2437-1000~26500-PASS

FCC ID: 2AV7A-CW2

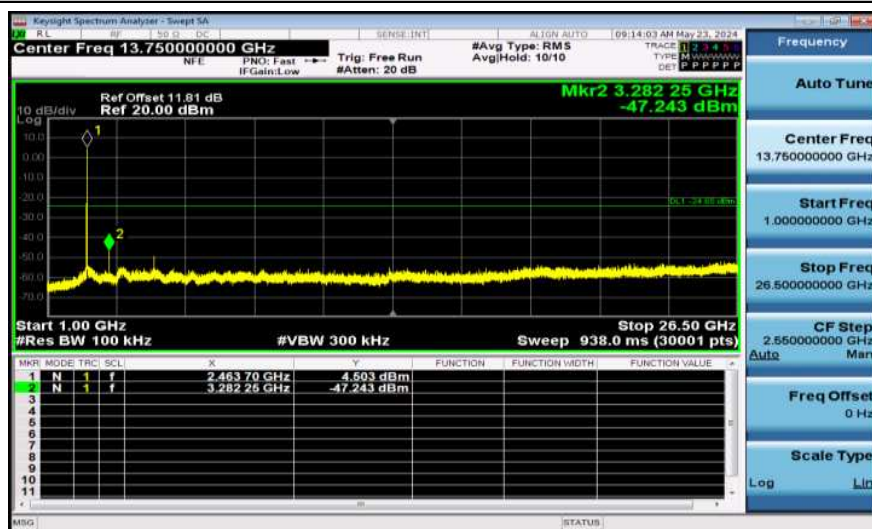
IC: 26039-CW2



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



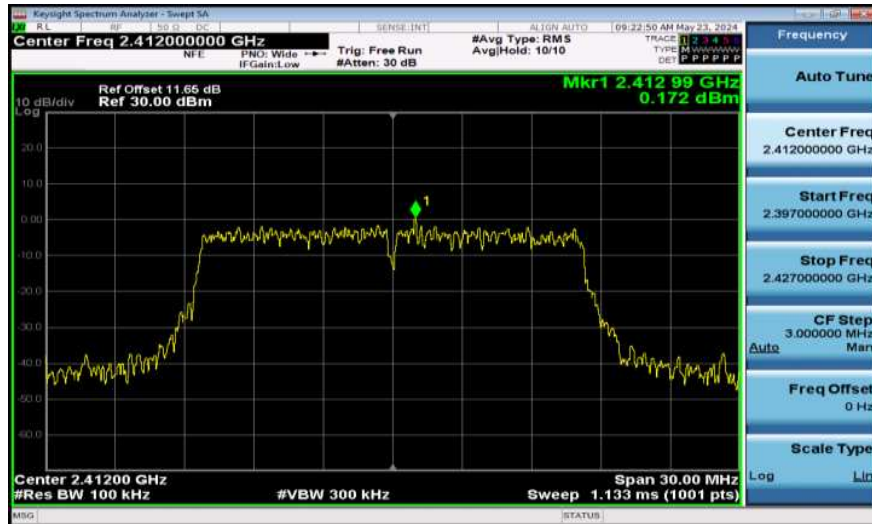
11B-Ant1-2462-30~1000-PASS



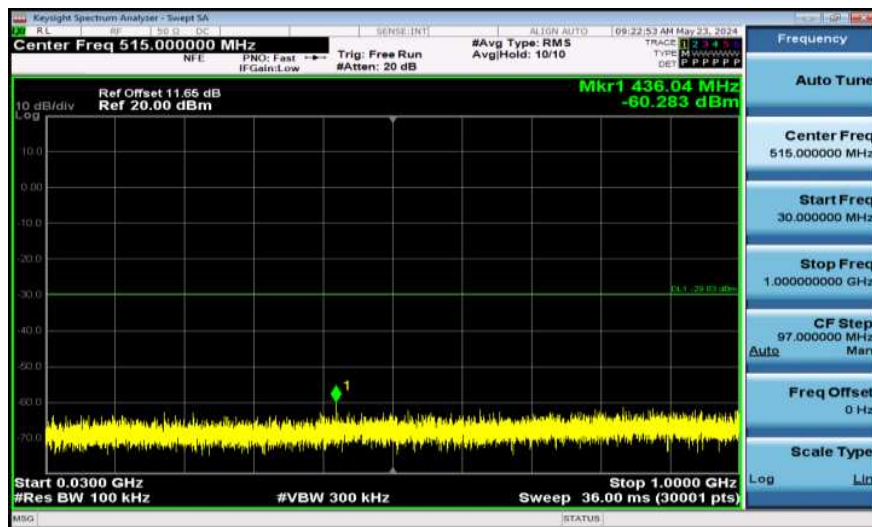
11B-Ant1-2462-1000~26500-PASS

FCC ID: 2AV7A-CW2

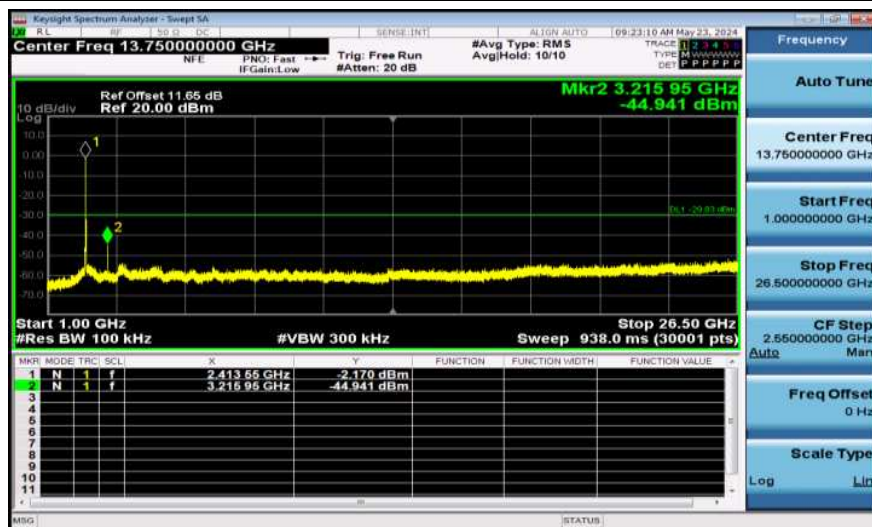
IC: 26039-CW2



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



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



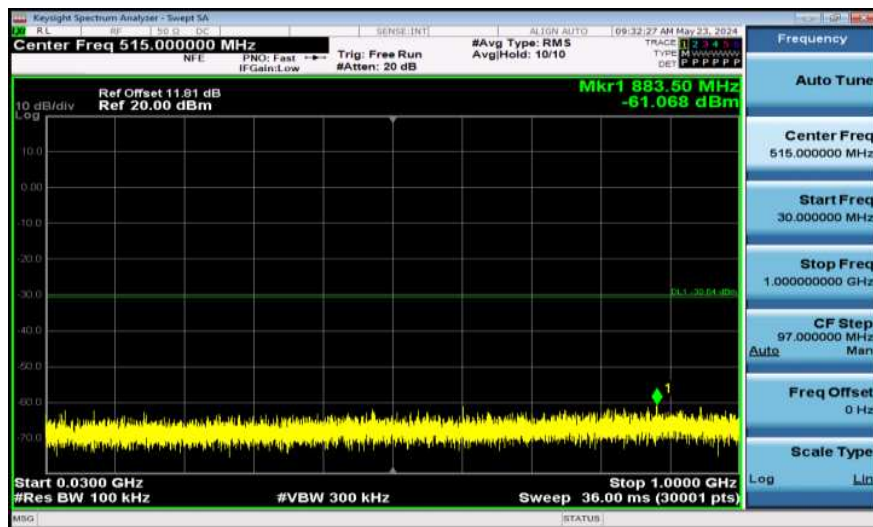
11G-Ant1-2412-1000~26500-PASS

FCC ID: 2AV7A-CW2

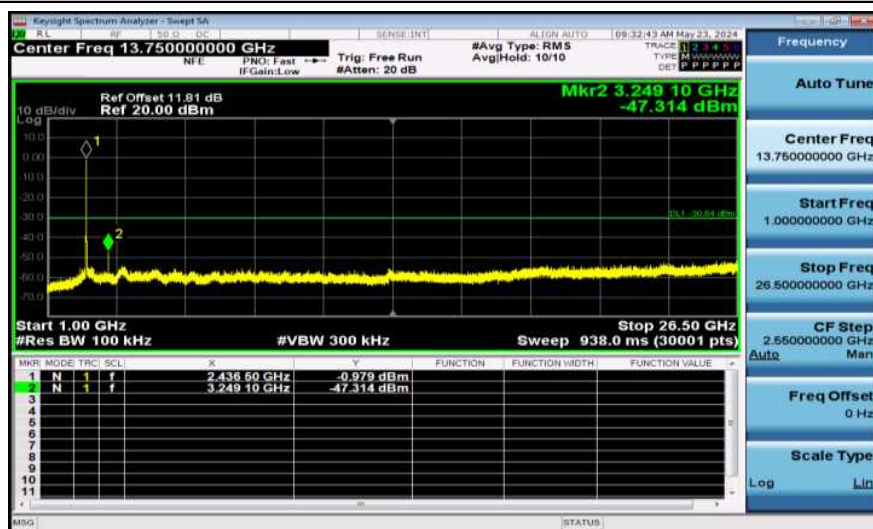
IC: 26039-CW2



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



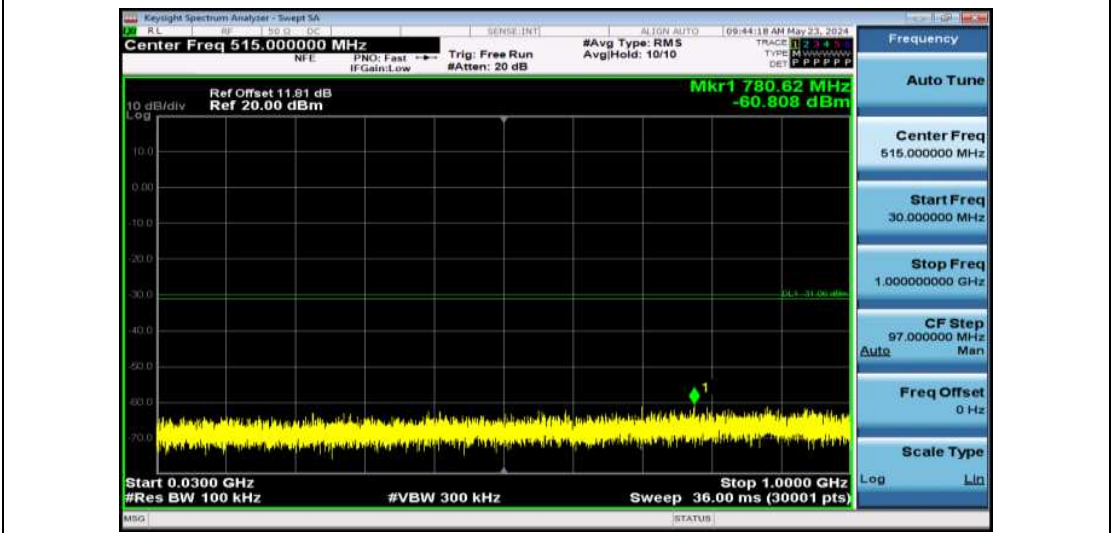
11G-Ant1-2437-30~1000-PASS



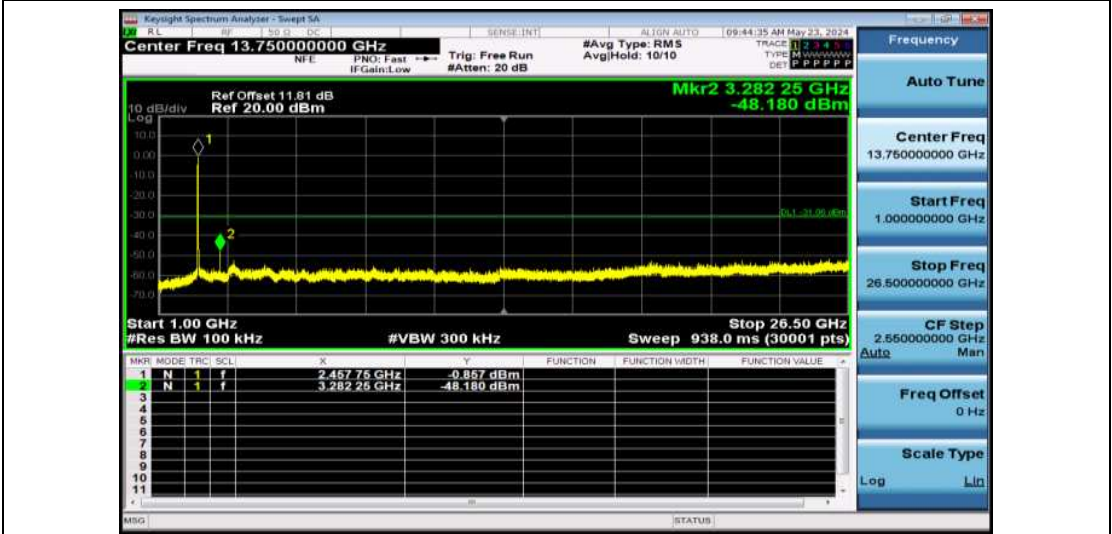
11G-Ant1-2437-1000~26500-PASS



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



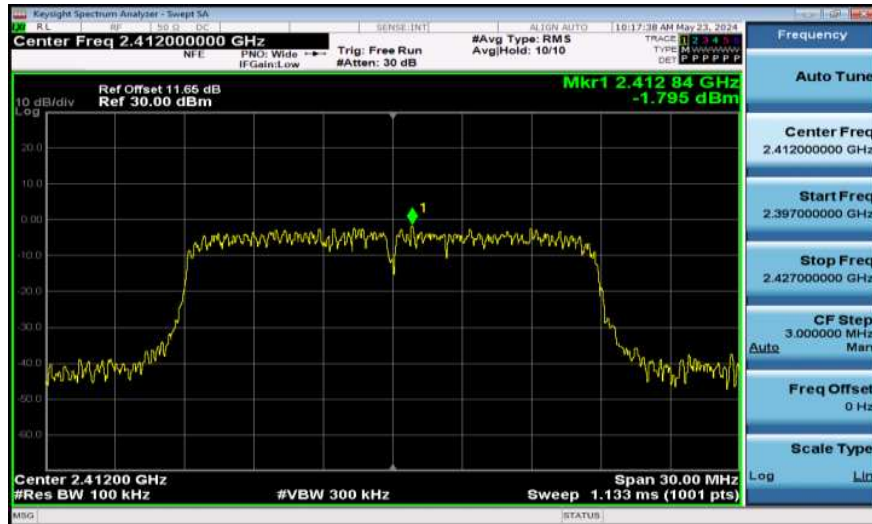
11G-Ant1-2462-30~1000-PASS



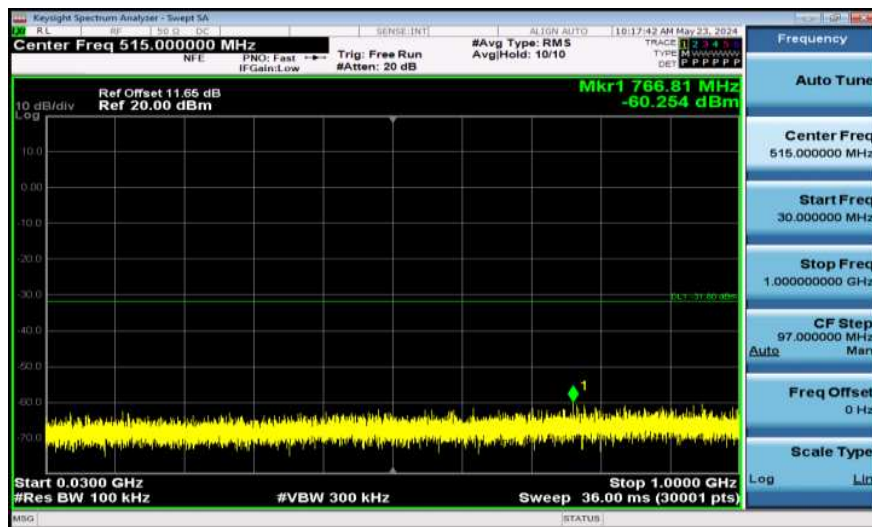
11G-Ant1-2462-1000~26500-PASS

FCC ID: 2AV7A-CW2

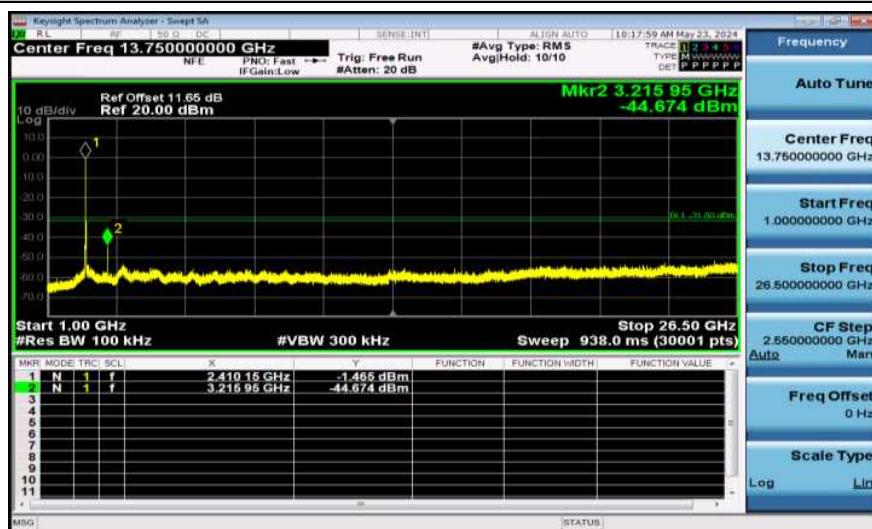
IC: 26039-CW2



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



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



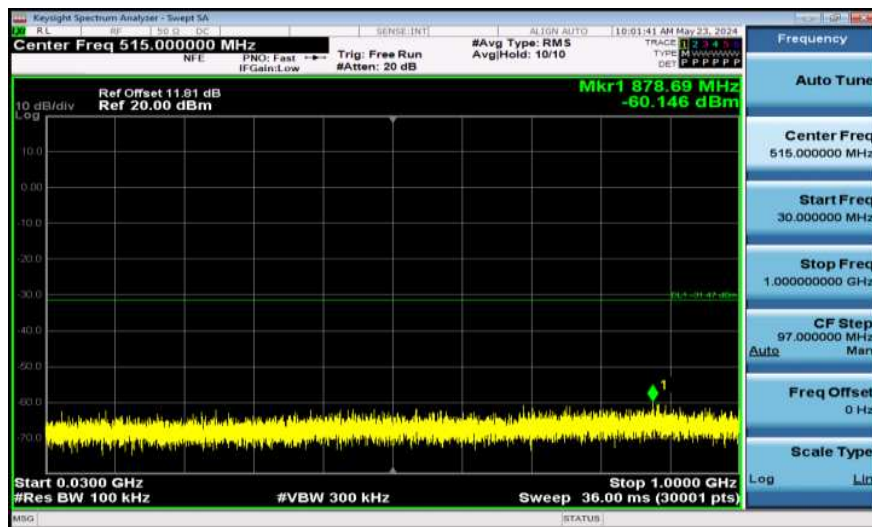
11N20SISO-Ant1-2412-1000~26500-PASS

FCC ID: 2AV7A-CW2

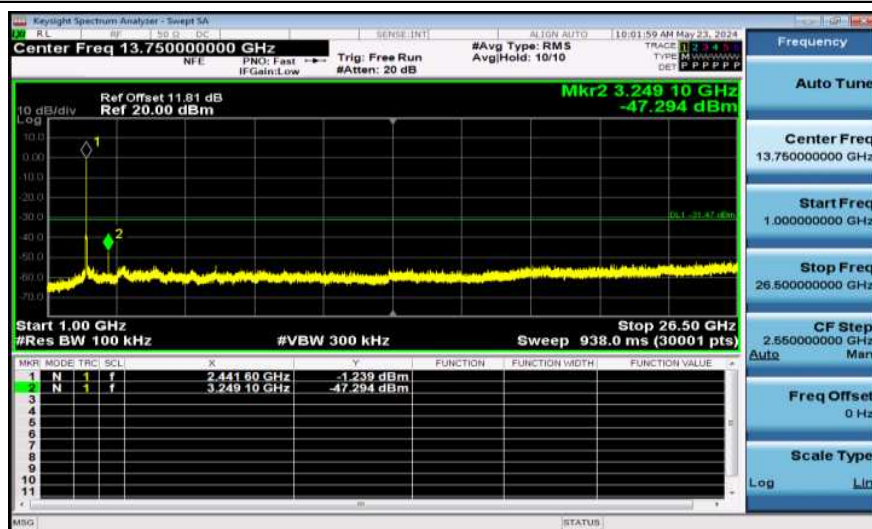
IC: 26039-CW2



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



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



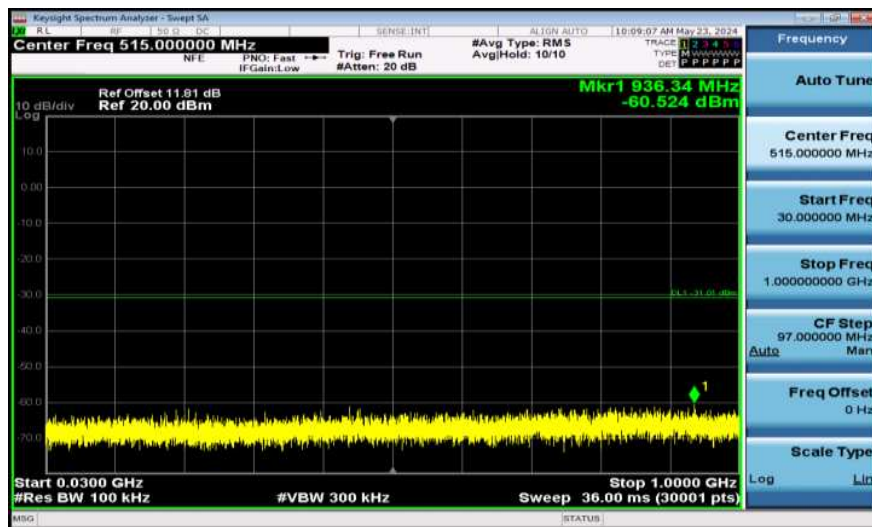
11N20SISO-Ant1-2437-1000~26500-PASS

FCC ID: 2AV7A-CW2

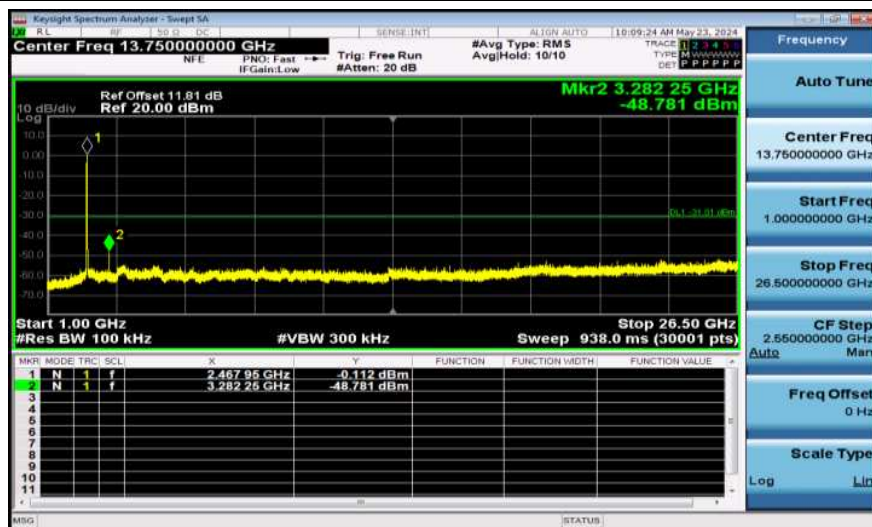
IC: 26039-CW2



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



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



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

FCC ID: 2AV7A-CW2

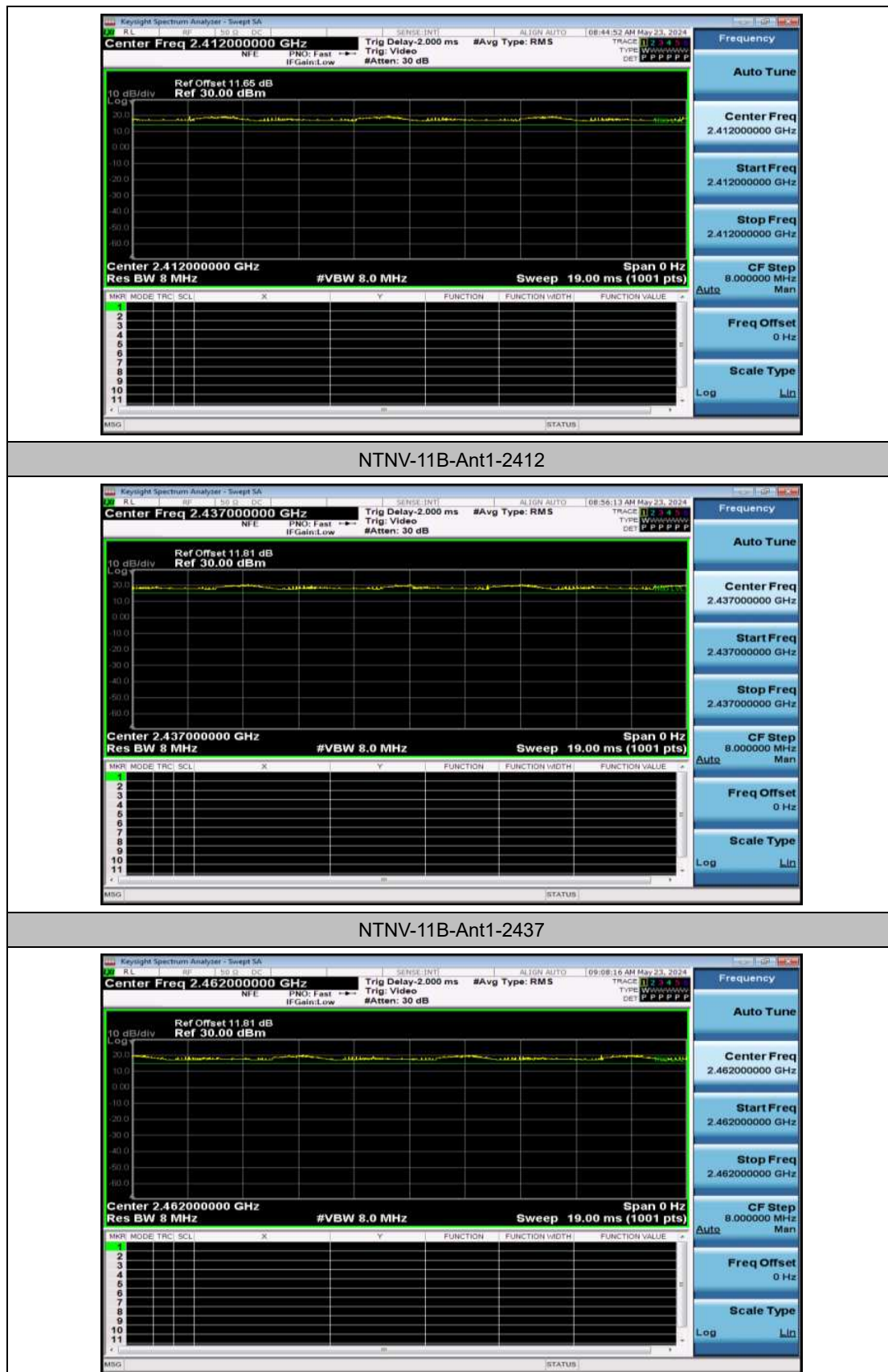
IC: 26039-CW2

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	5.49	5.51	99.64	0.02
11G	Ant1	2437	5.49	5.51	99.64	0.02
11G	Ant1	2462	5.48	5.50	99.64	0.02
11N20SISO	Ant1	2412	5.08	5.10	99.61	0.02
11N20SISO	Ant1	2437	5.08	5.10	99.61	0.02
11N20SISO	Ant1	2462	5.07	5.10	99.41	0.03

Test Graphs



NTNV-11B-Ant1-2412

NTNV-11B-Ant1-2437

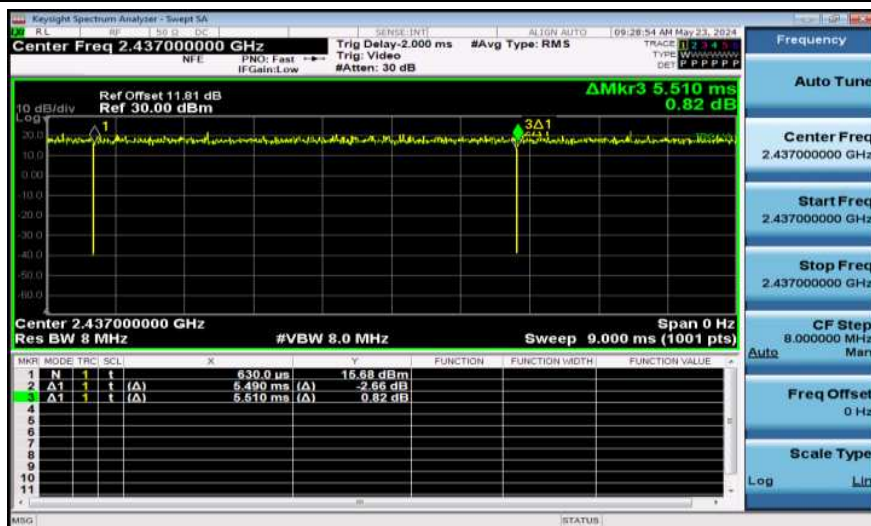
FCC ID: 2AV7A-CW2

IC: 26039-CW2

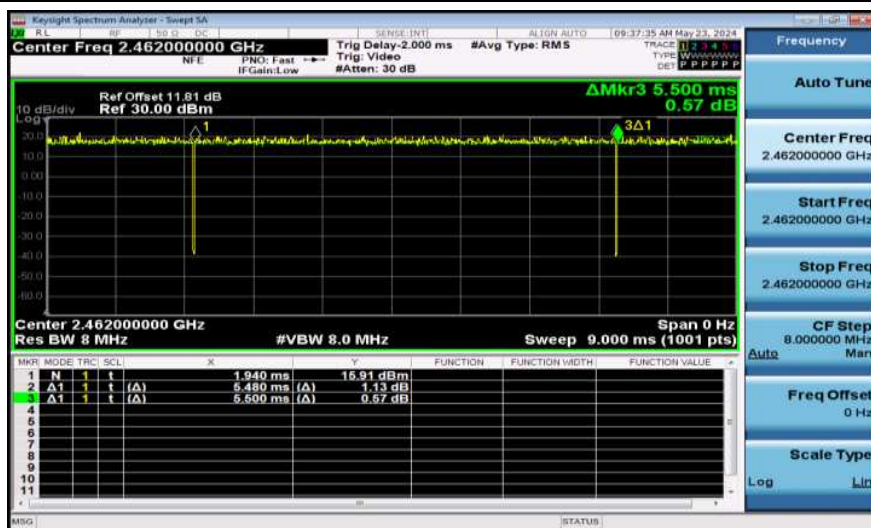
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



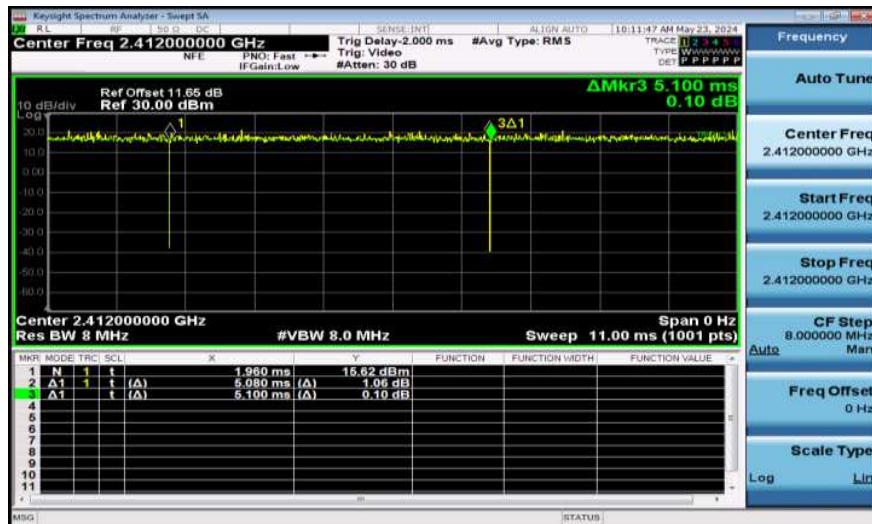
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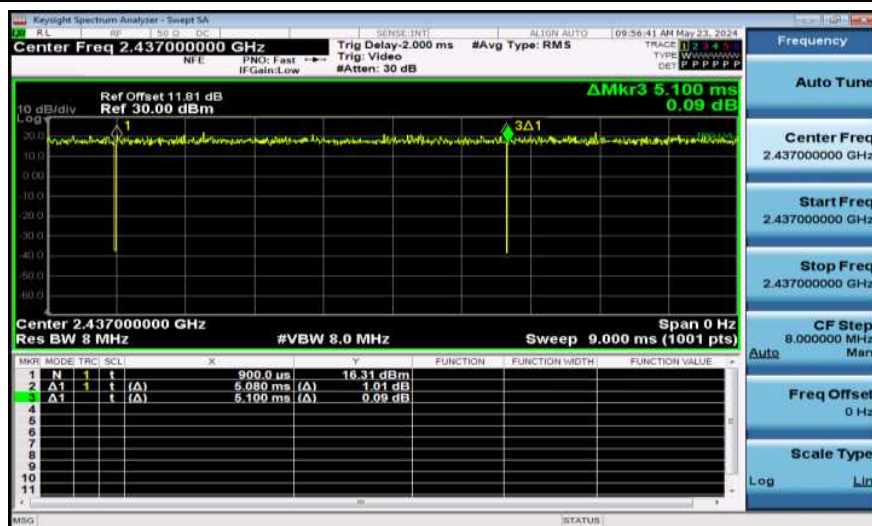
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FCC ID: 2AV7A-CW2

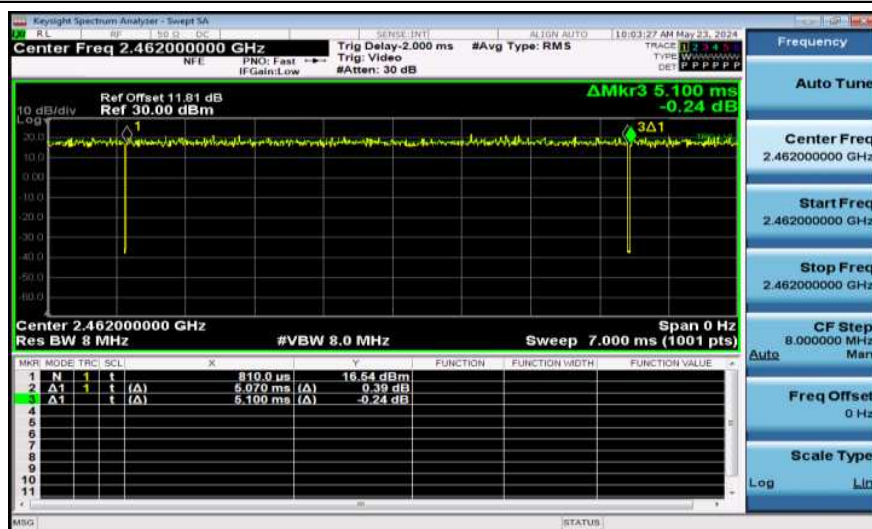
IC: 26039-CW2



NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462