

FCC ID: 2A64B-DEX56
IC: 28593-DEX56

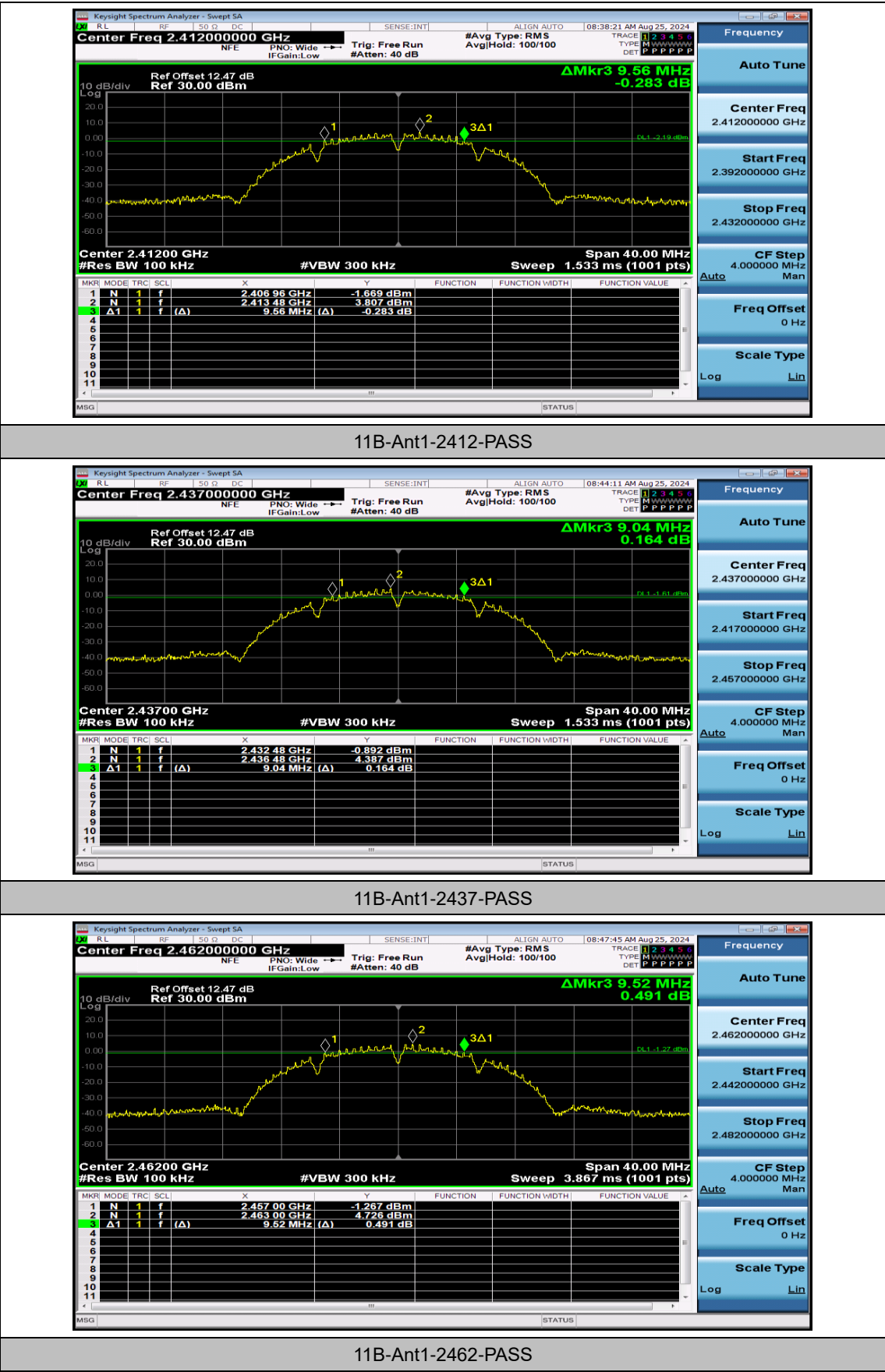
Appendix A of 2.4G WIFI

DTS Bandwidth

Test Result

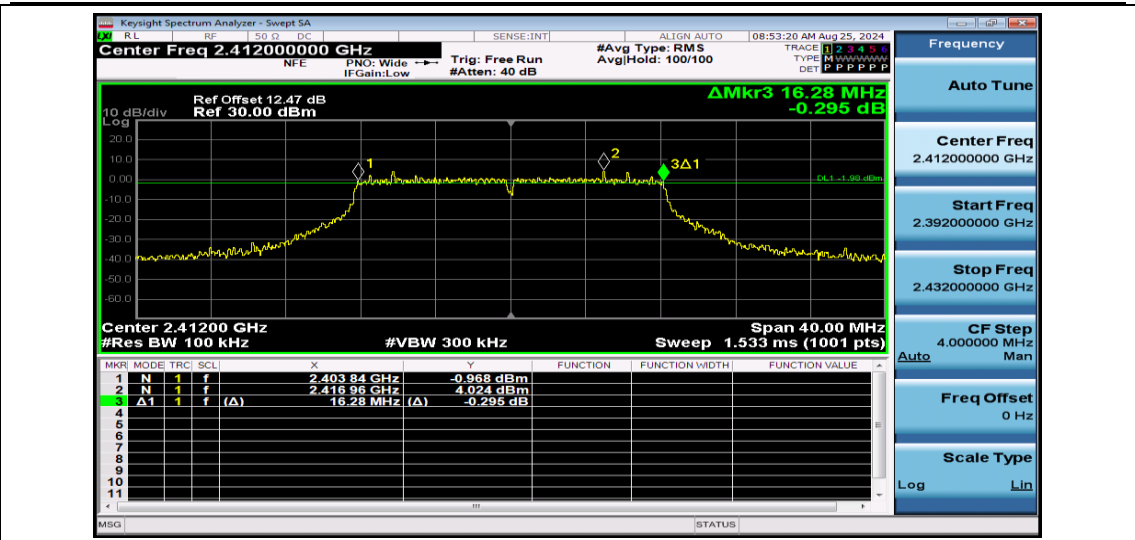
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.560	2406.960	2416.520	0.5	PASS
11B	Ant1	2437	9.040	2432.480	2441.520	0.5	PASS
11B	Ant1	2462	9.520	2457.000	2466.520	0.5	PASS
11G	Ant1	2412	16.280	2403.840	2420.120	0.5	PASS
11G	Ant1	2437	16.320	2428.840	2445.160	0.5	PASS
11G	Ant1	2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.280	2403.480	2420.760	0.5	PASS
11N20SISO	Ant1	2437	17.520	2428.240	2445.760	0.5	PASS
11N20SISO	Ant1	2462	17.680	2453.160	2470.840	0.5	PASS
11N40SISO	Ant1	2422	34.000	2405.520	2439.520	0.5	PASS
11N40SISO	Ant1	2437	34.800	2419.480	2454.280	0.5	PASS
11N40SISO	Ant1	2452	34.080	2435.440	2469.520	0.5	PASS

Test Graphs

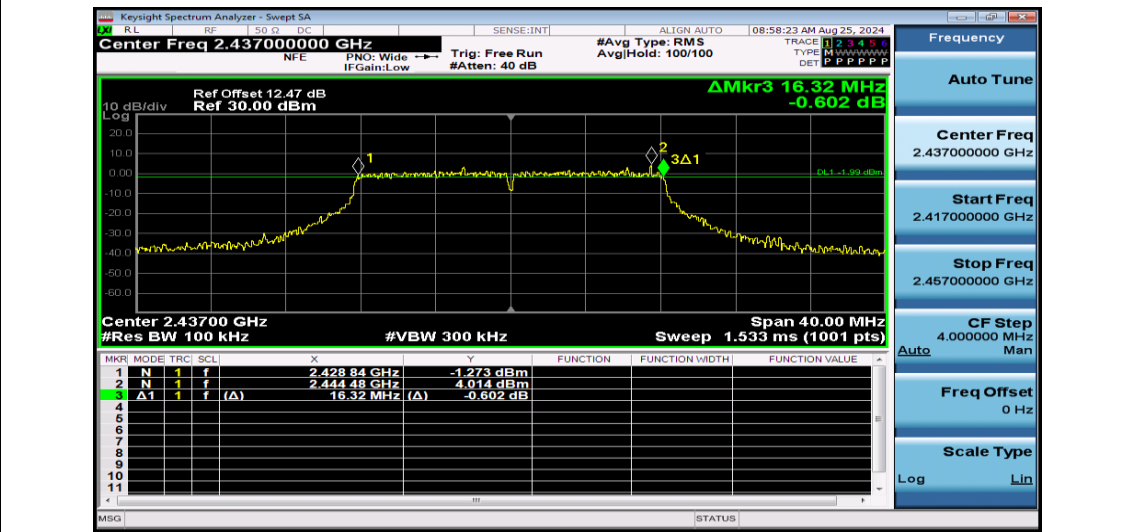


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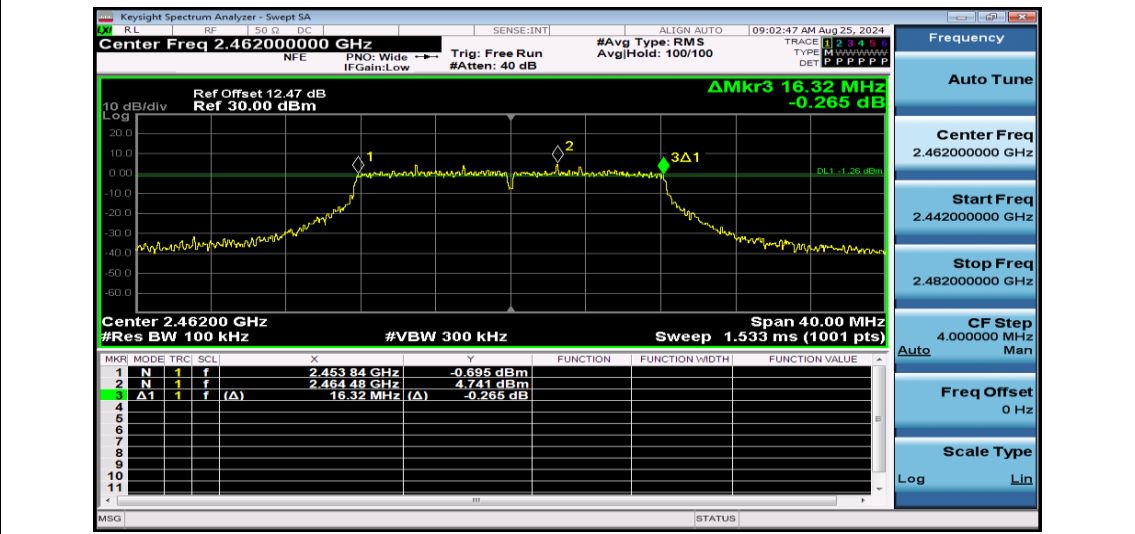
IC:28593-DEX56



11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



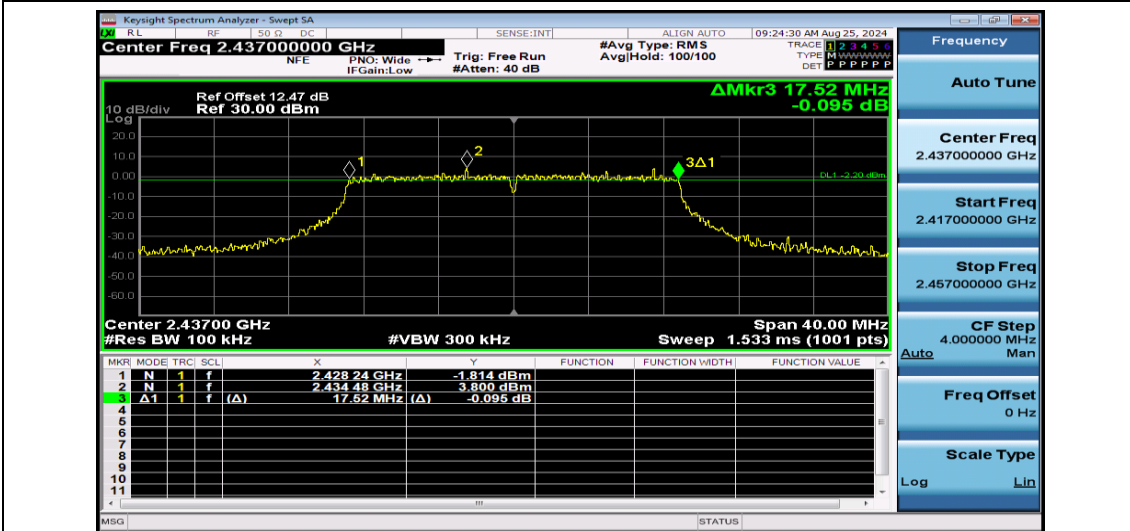
11G-Ant1-2462-PASS

FCC ID: 2A64B-DEX56

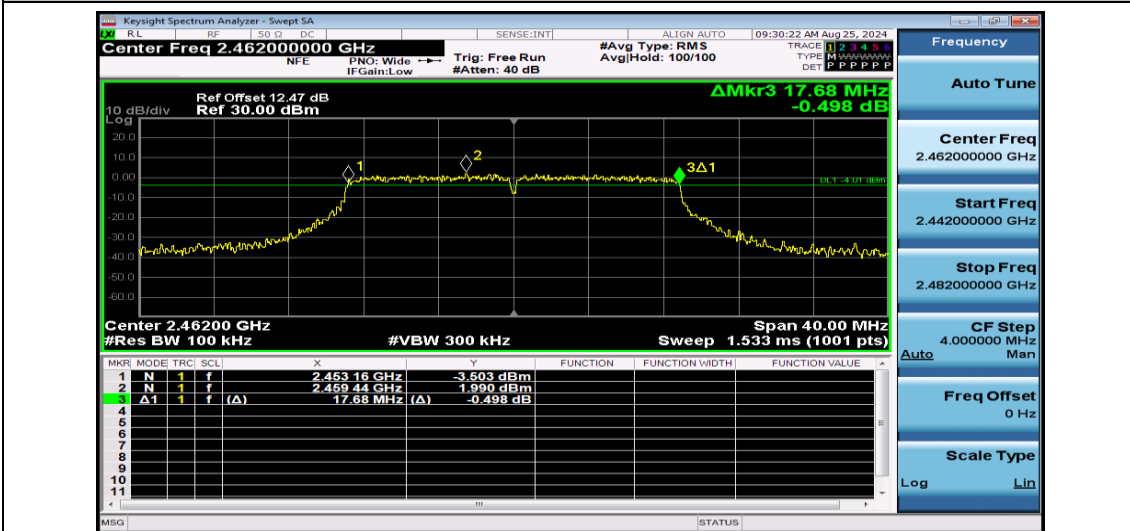
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11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

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11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

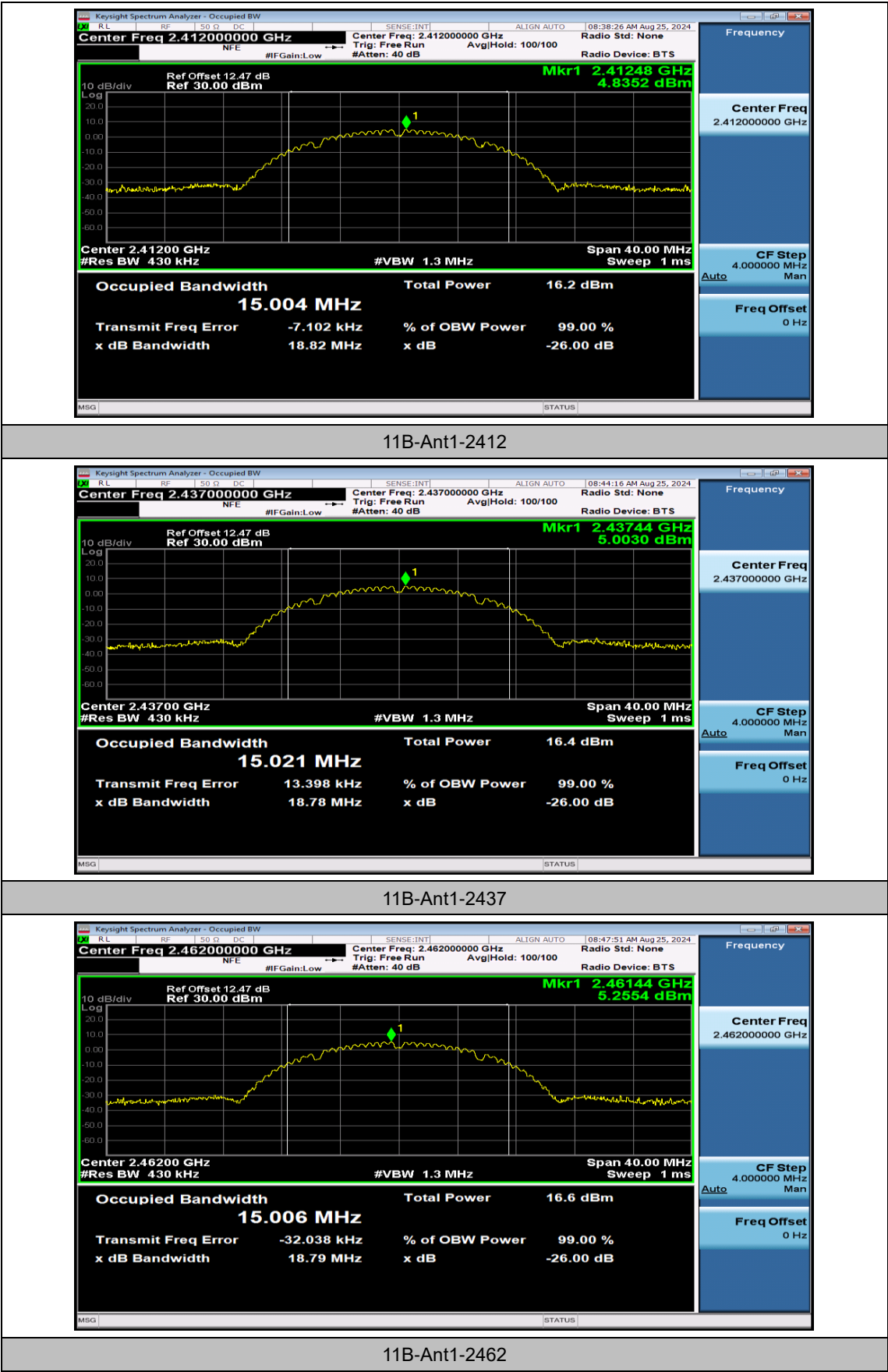
FCC ID: 2A64B-DEX56
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Occupied Channel Bandwidth

Test Result

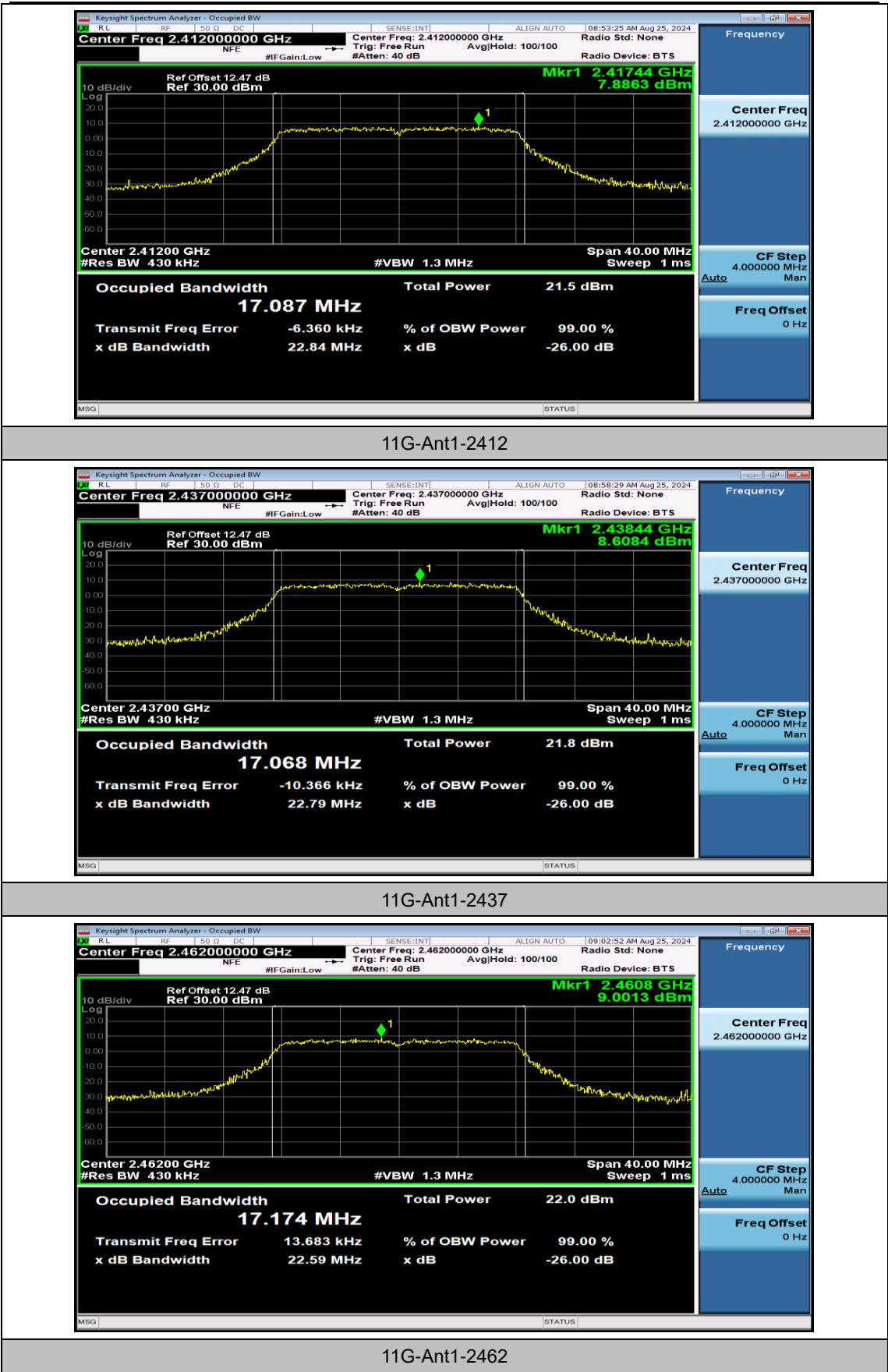
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.004	2404.4909	2419.4949	---	---
11B	Ant1	2437	15.021	2429.5029	2444.5239	---	---
11B	Ant1	2462	15.006	2454.4650	2469.4710	---	---
11G	Ant1	2412	17.087	2403.4501	2420.5371	---	---
11G	Ant1	2437	17.068	2428.4556	2445.5236	---	---
11G	Ant1	2462	17.174	2453.4267	2470.6007	---	---
11N20SISO	Ant1	2412	18.150	2402.9394	2421.0894	---	---
11N20SISO	Ant1	2437	18.153	2427.9069	2446.0599	---	---
11N20SISO	Ant1	2462	18.112	2452.9489	2471.0609	---	---
11N40SISO	Ant1	2422	35.949	2404.0275	2439.9765	---	---
11N40SISO	Ant1	2437	35.927	2419.0286	2454.9556	---	---
11N40SISO	Ant1	2452	35.859	2434.0617	2469.9207	---	---

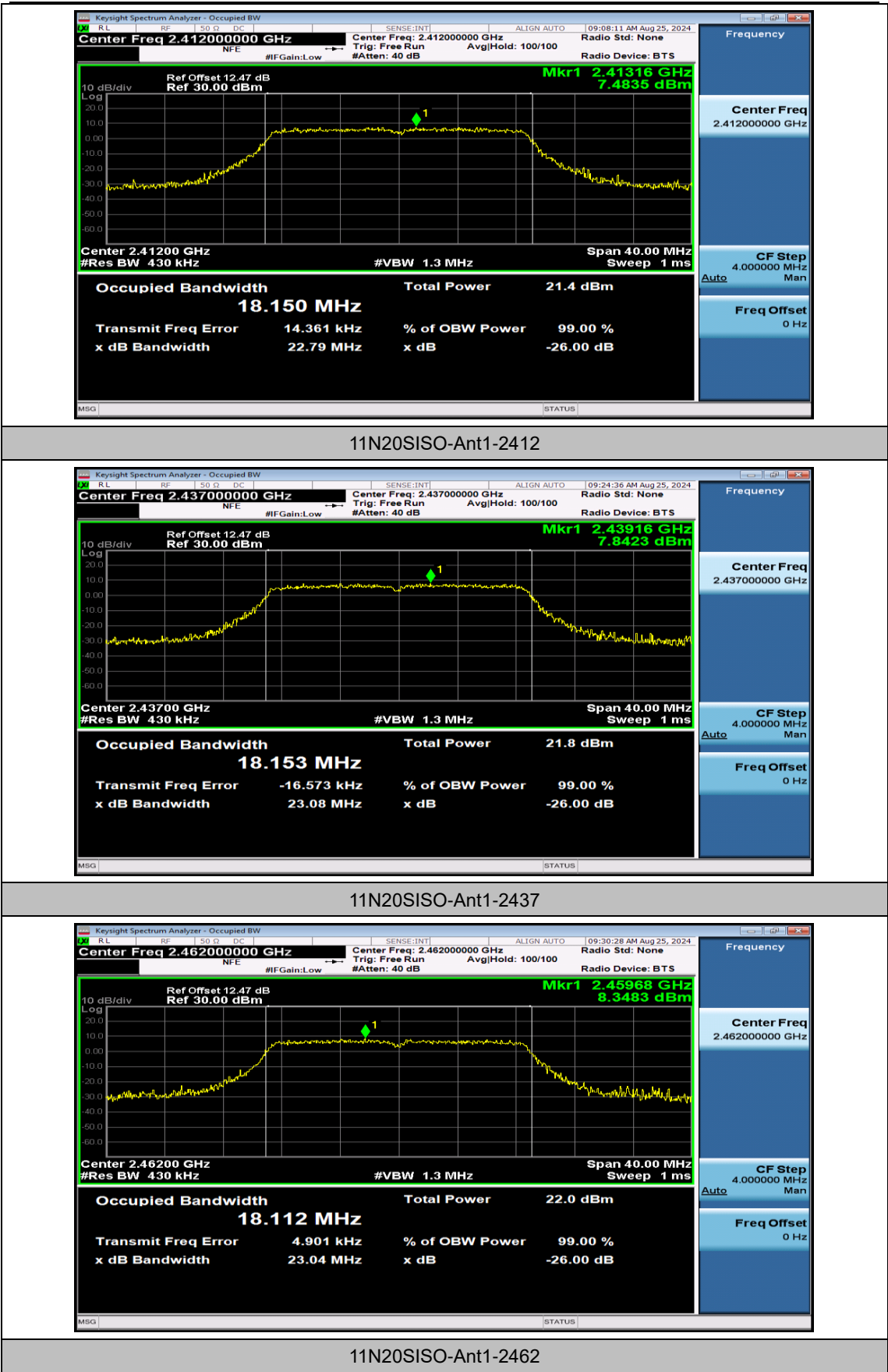
Test Graphs

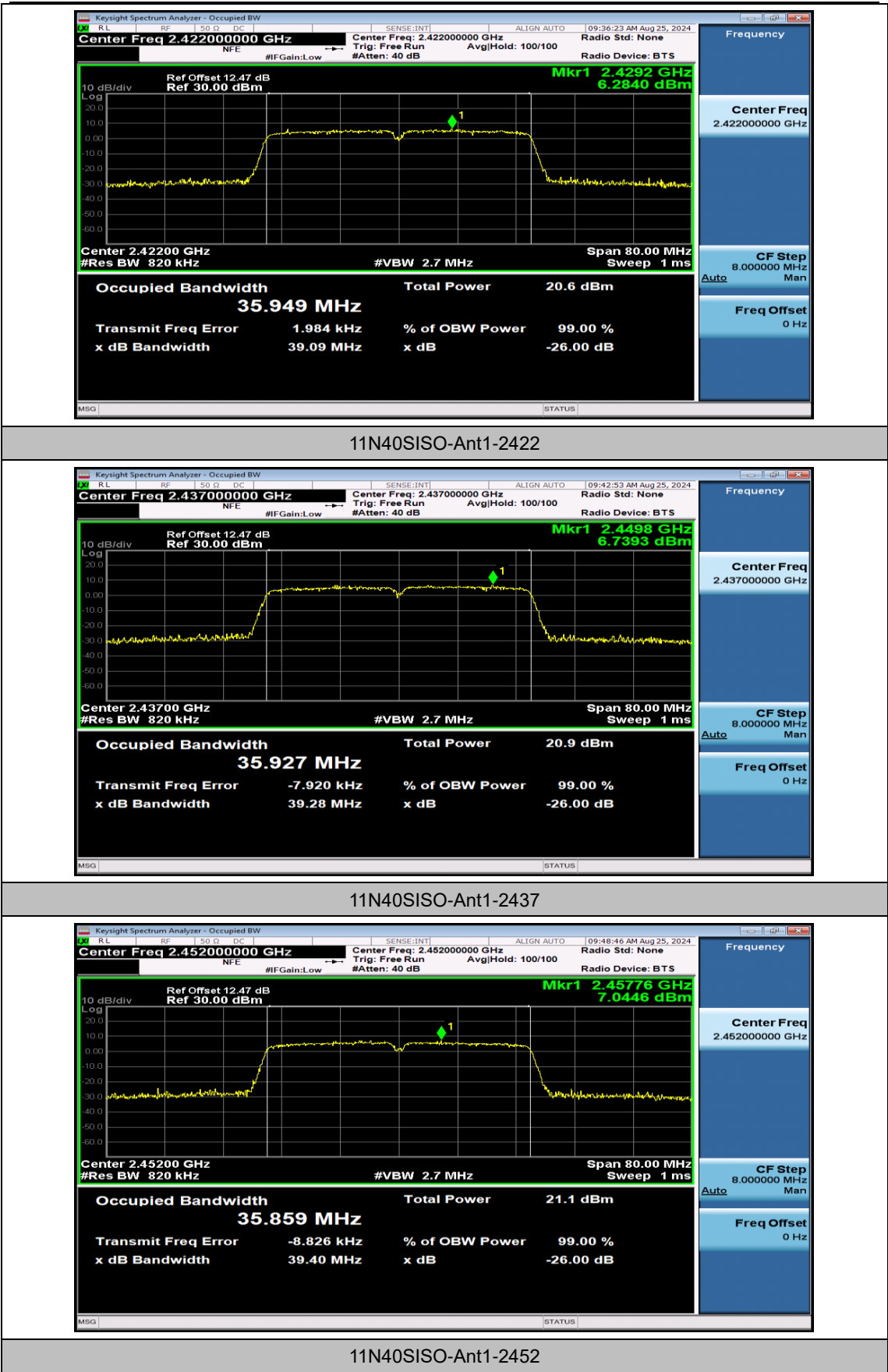


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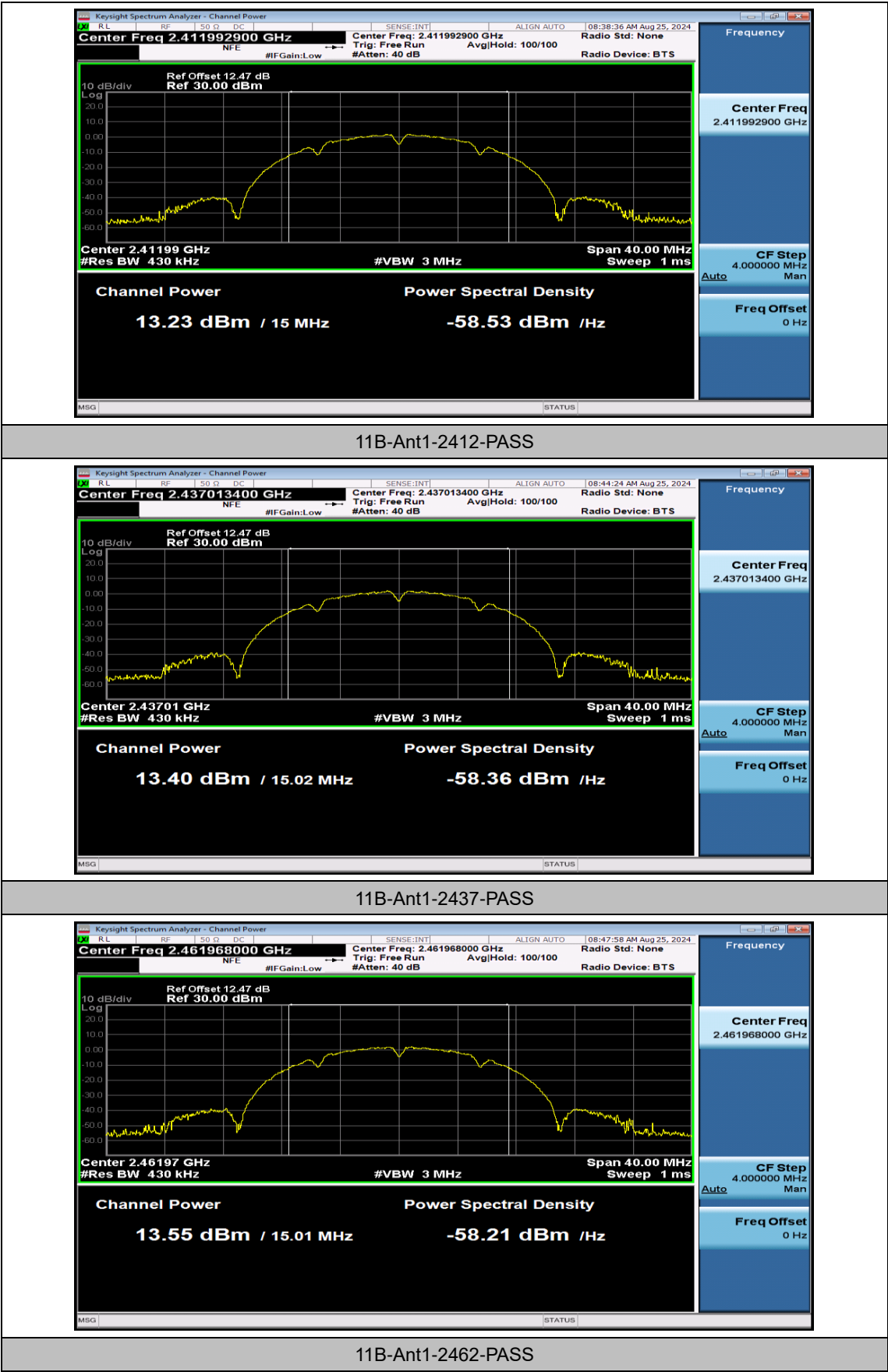


Maximum conducted output power

Test Result Average

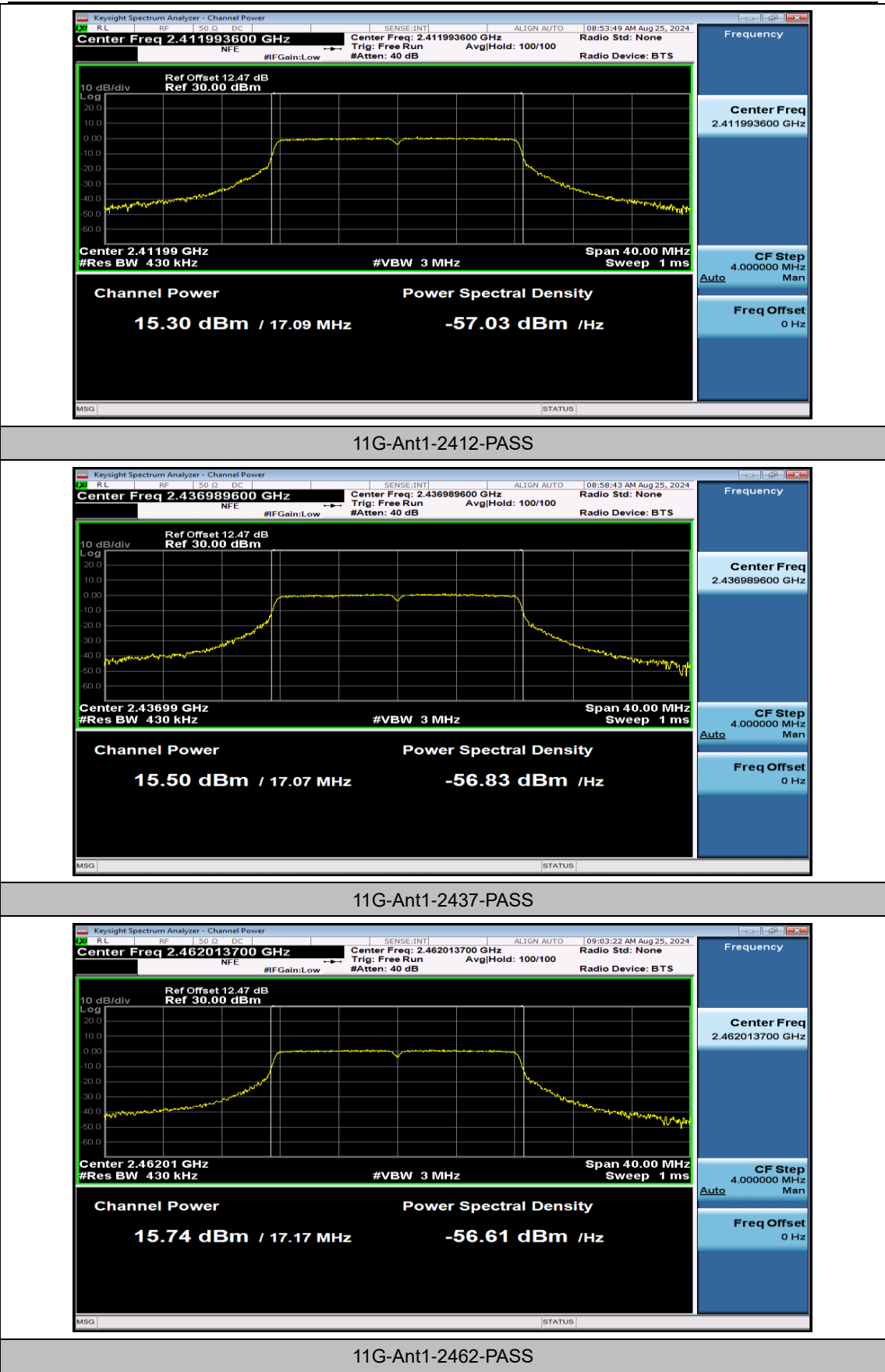
Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11B	Ant1	2412	13.23	99.44	0.02	13.25	≤30.00	2.48	15.73	≤36.00	PASS
11B	Ant1	2437	13.40	99.20	0.03	13.43	≤30.00	2.48	15.91	≤36.00	PASS
11B	Ant1	2462	13.55	98.89	0.05	13.60	≤30.00	2.48	16.08	≤36.00	PASS
11G	Ant1	2412	15.30	93.64	0.29	15.59	≤30.00	2.48	18.07	≤36.00	PASS
11G	Ant1	2437	15.50	91.96	0.36	15.86	≤30.00	2.48	18.34	≤36.00	PASS
11G	Ant1	2462	15.74	91.96	0.36	16.10	≤30.00	2.48	18.58	≤36.00	PASS
11N20SISO	Ant1	2412	15.27	92.31	0.35	15.62	≤30.00	2.48	18.10	≤36.00	PASS
11N20SISO	Ant1	2437	15.48	93.20	0.31	15.79	≤30.00	2.48	18.27	≤36.00	PASS
11N20SISO	Ant1	2462	15.72	91.39	0.39	16.11	≤30.00	2.48	18.59	≤36.00	PASS
11N40SISO	Ant1	2422	13.22	85.45	0.68	13.90	≤30.00	2.48	16.38	≤36.00	PASS
11N40SISO	Ant1	2437	13.37	85.45	0.68	14.05	≤30.00	2.48	16.53	≤36.00	PASS
11N40SISO	Ant1	2452	13.63	83.93	0.76	14.39	≤30.00	2.48	16.87	≤36.00	PASS

Test Graphs Average



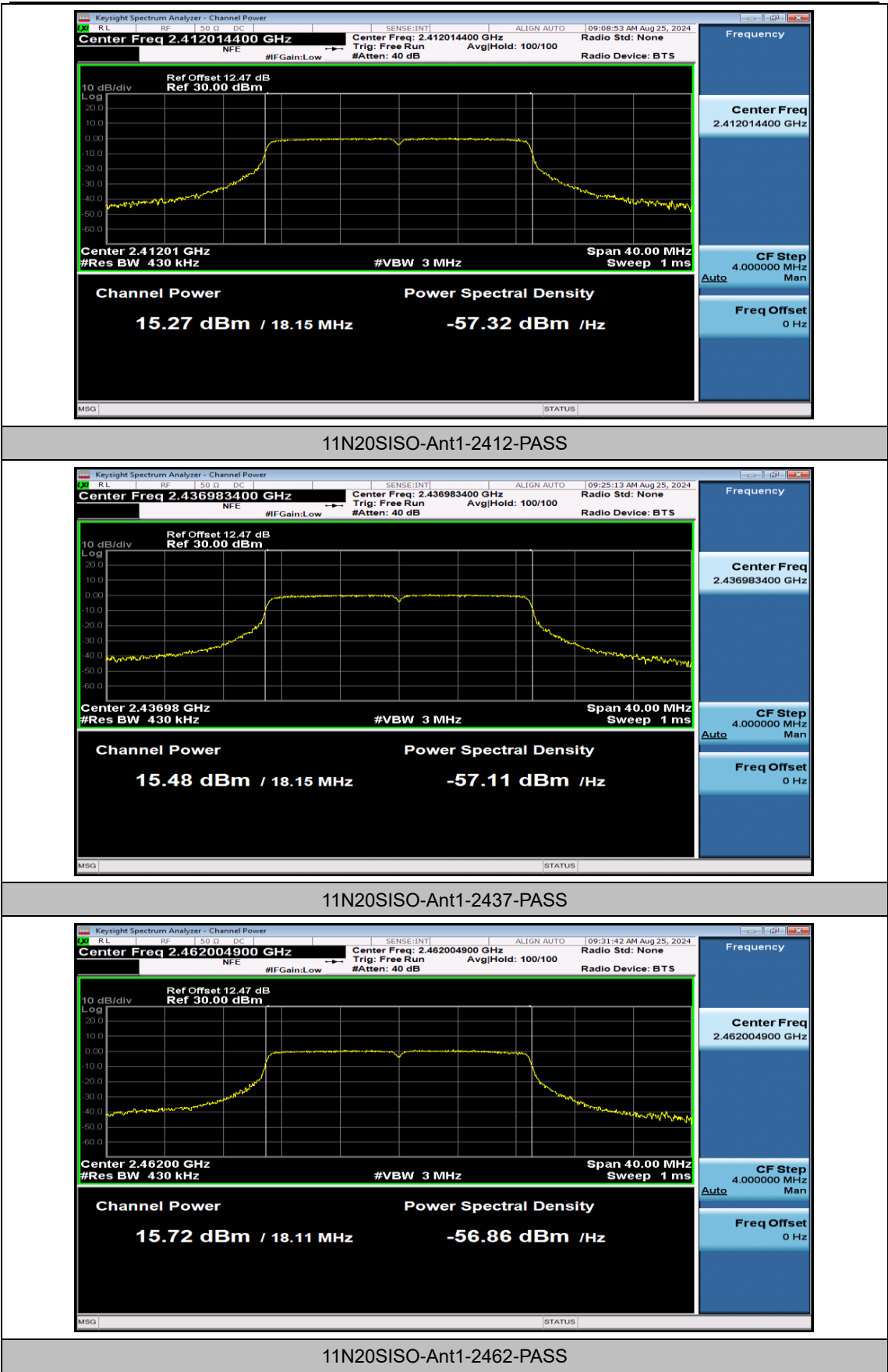
FCC ID:2A64B-DEX56

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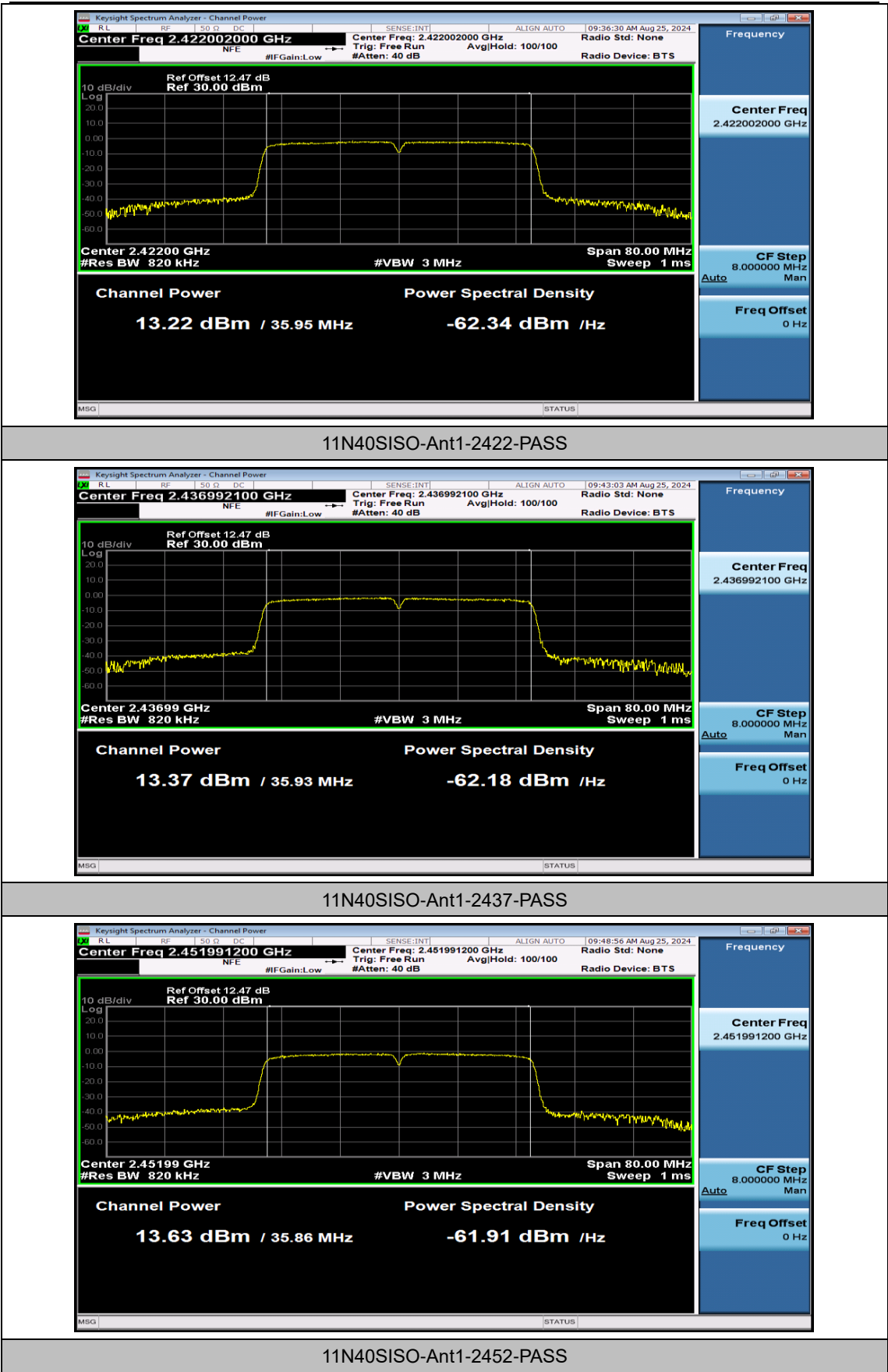
FCC ID:2A64B-DEX56

IC:28593-DEX56



FCC ID:2A64B-DEX56

IC:28593-DEX56



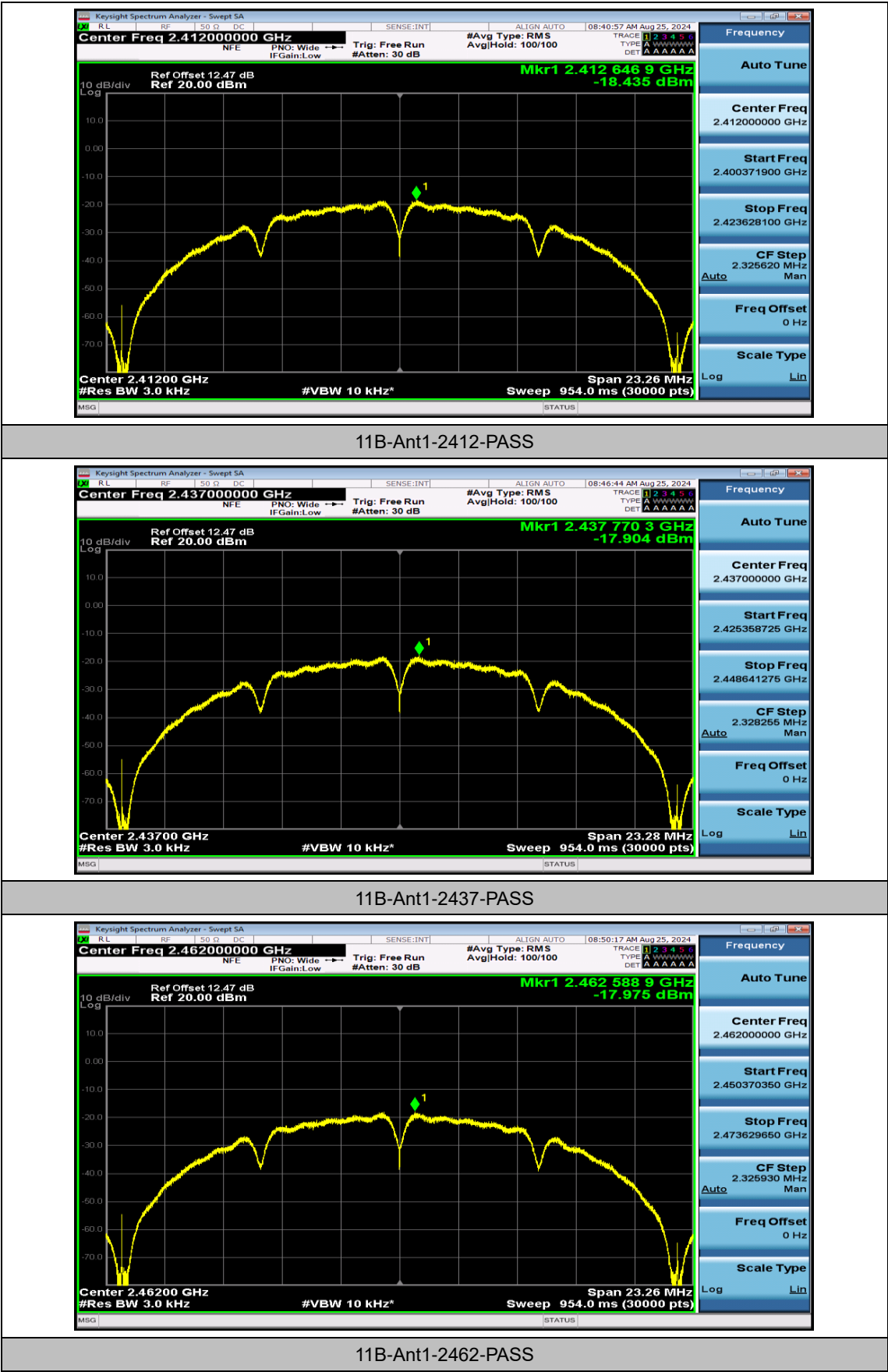
FCC ID: 2A64B-DEX56
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Maximum power spectral density

Test Result

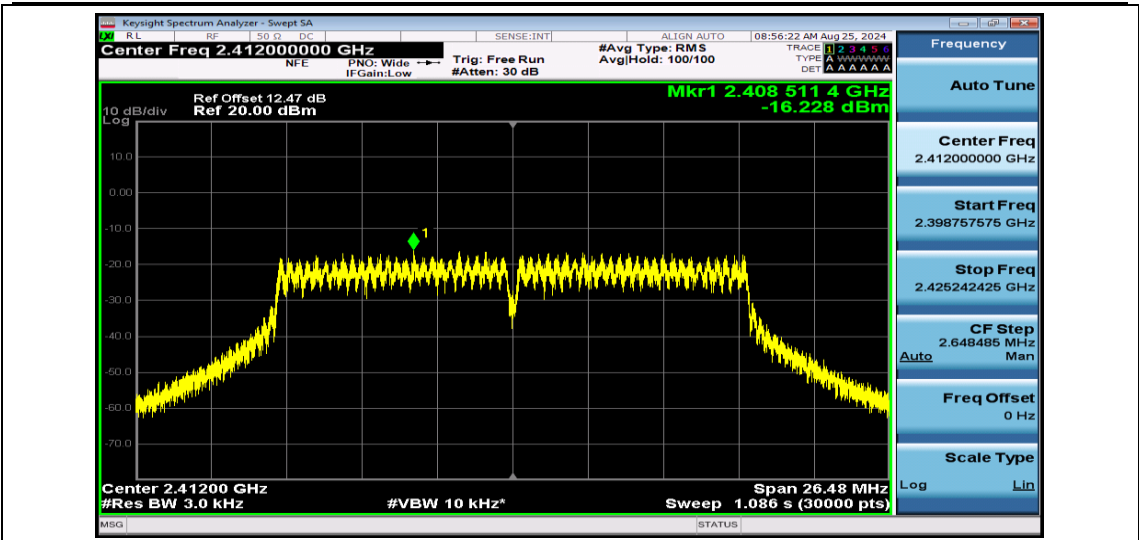
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18.42	≤8.00	PASS
11B	Ant1	2437	-17.87	≤8.00	PASS
11B	Ant1	2462	-17.93	≤8.00	PASS
11G	Ant1	2412	-15.94	≤8.00	PASS
11G	Ant1	2437	-14.58	≤8.00	PASS
11G	Ant1	2462	-15.91	≤8.00	PASS
11N20SISO	Ant1	2412	-15.94	≤8.00	PASS
11N20SISO	Ant1	2437	-15.38	≤8.00	PASS
11N20SISO	Ant1	2462	-14.33	≤8.00	PASS
11N40SISO	Ant1	2422	-19.34	≤8.00	PASS
11N40SISO	Ant1	2437	-18.74	≤8.00	PASS
11N40SISO	Ant1	2452	-19.25	≤8.00	PASS

Test Graphs

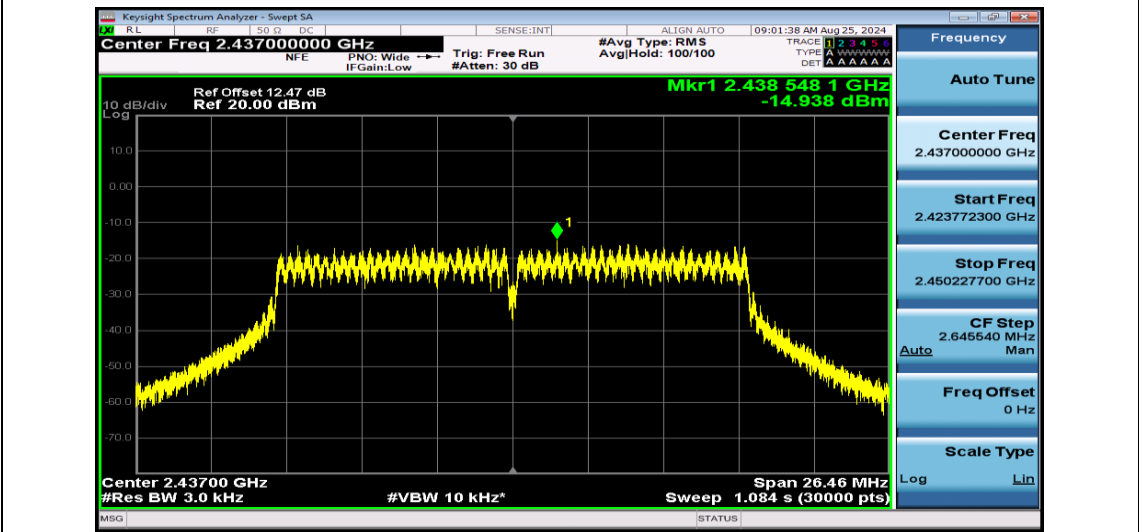


FCC ID:2A64B-DEX56

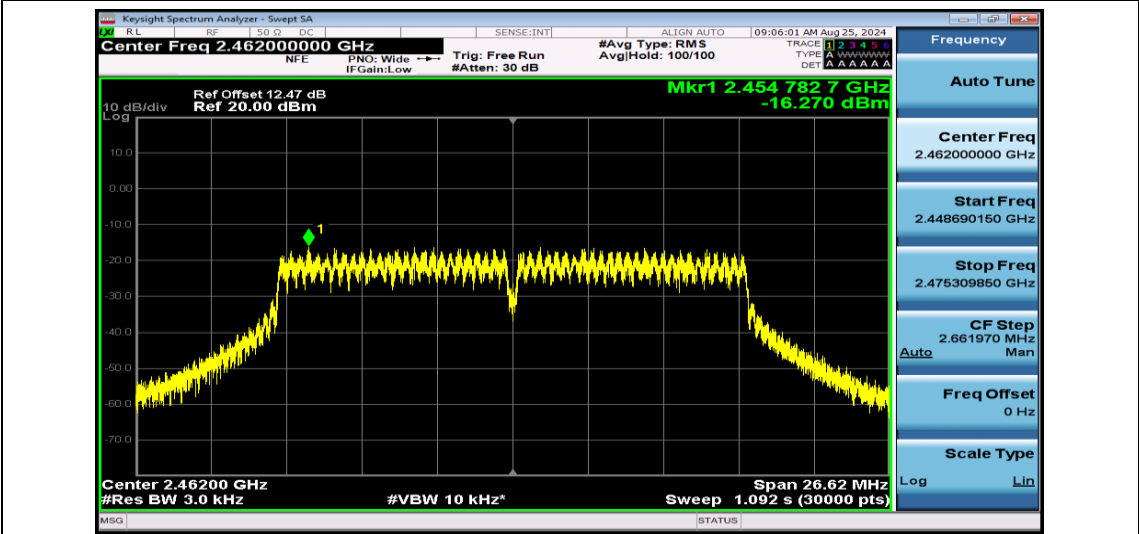
IC:28593-DEX56



11G-Ant1-2412-PASS



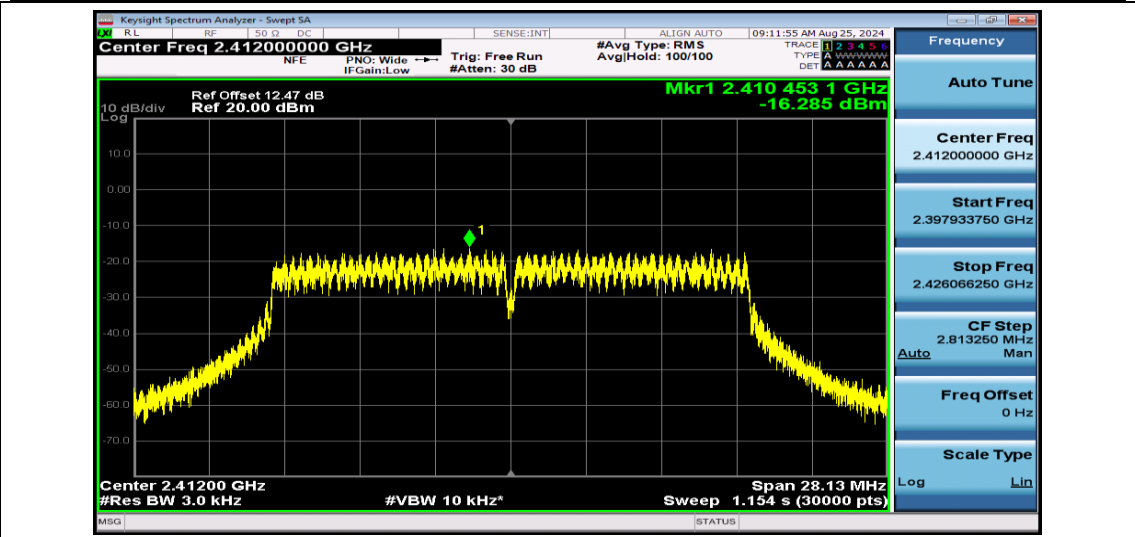
11G-Ant1-2437-PASS



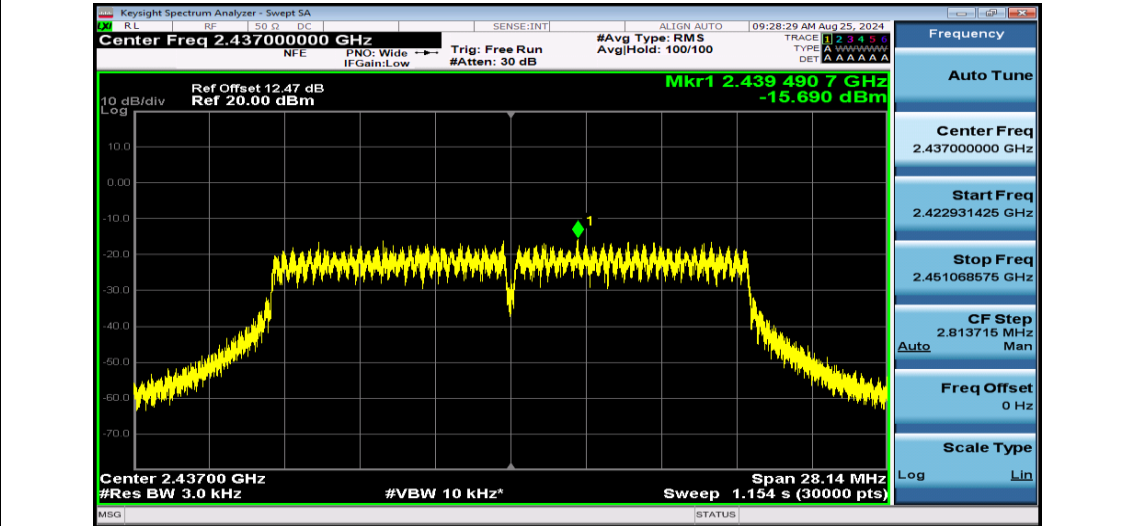
11G-Ant1-2462-PASS

FCC ID:2A64B-DEX56

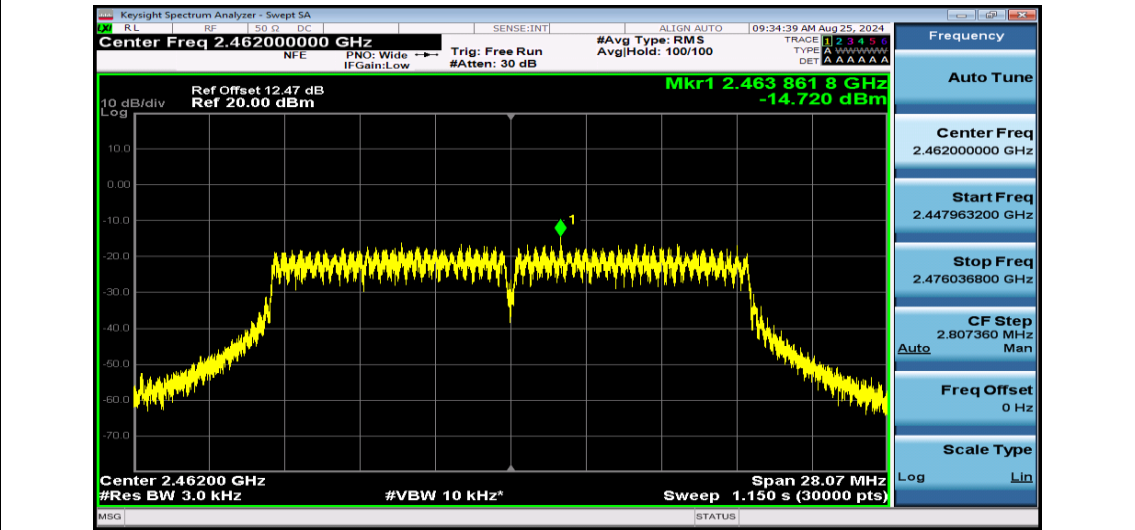
IC:28593-DEX56



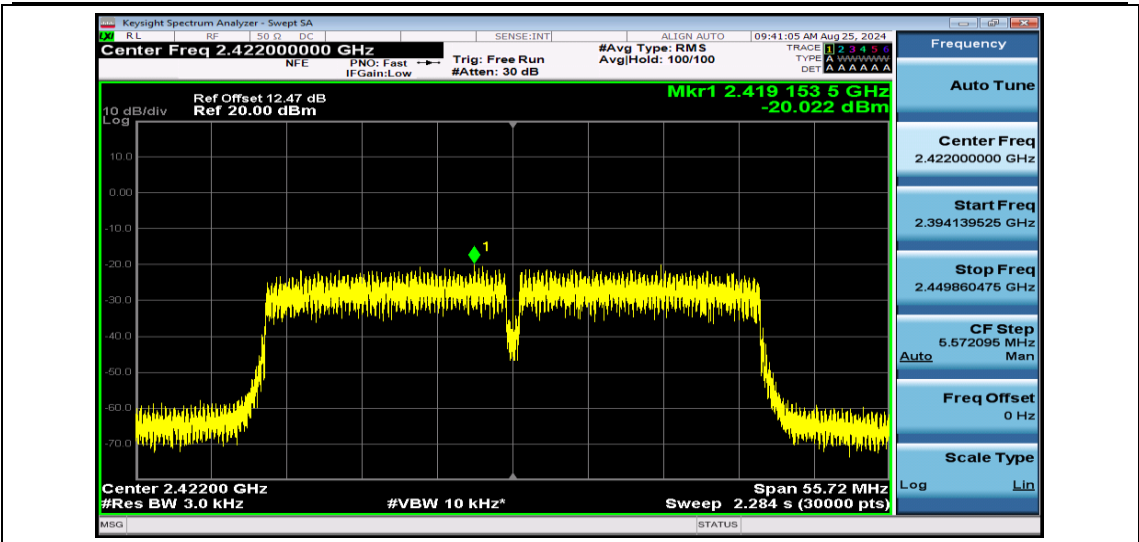
11N20SISO-Ant1-2412-PASS



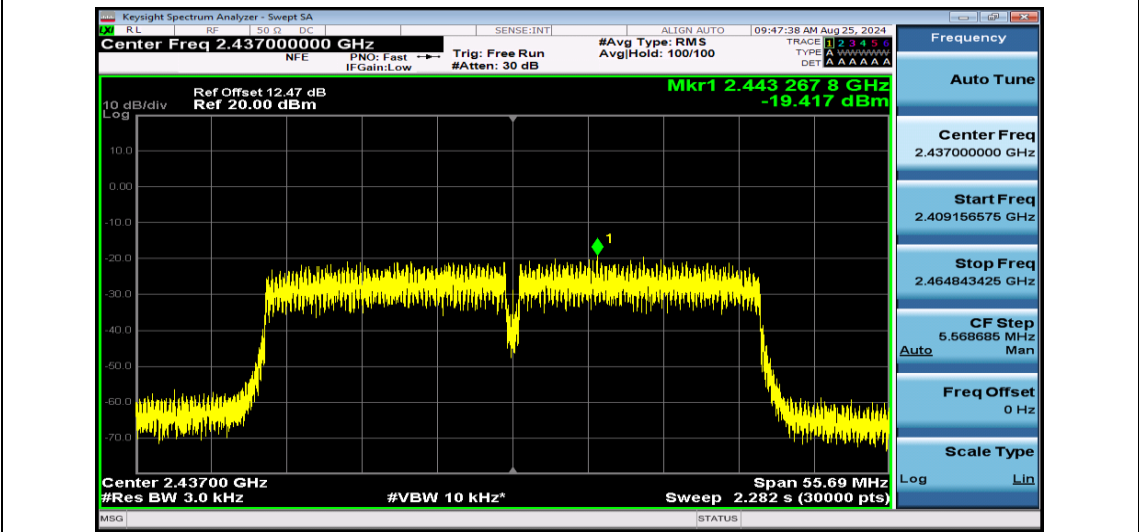
11N20SISO-Ant1-2437-PASS



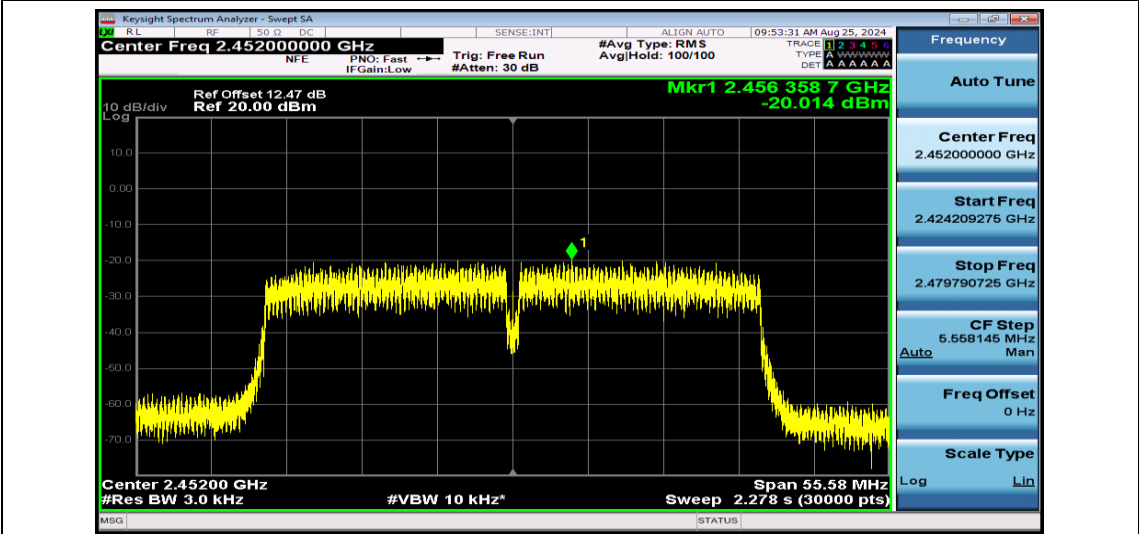
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

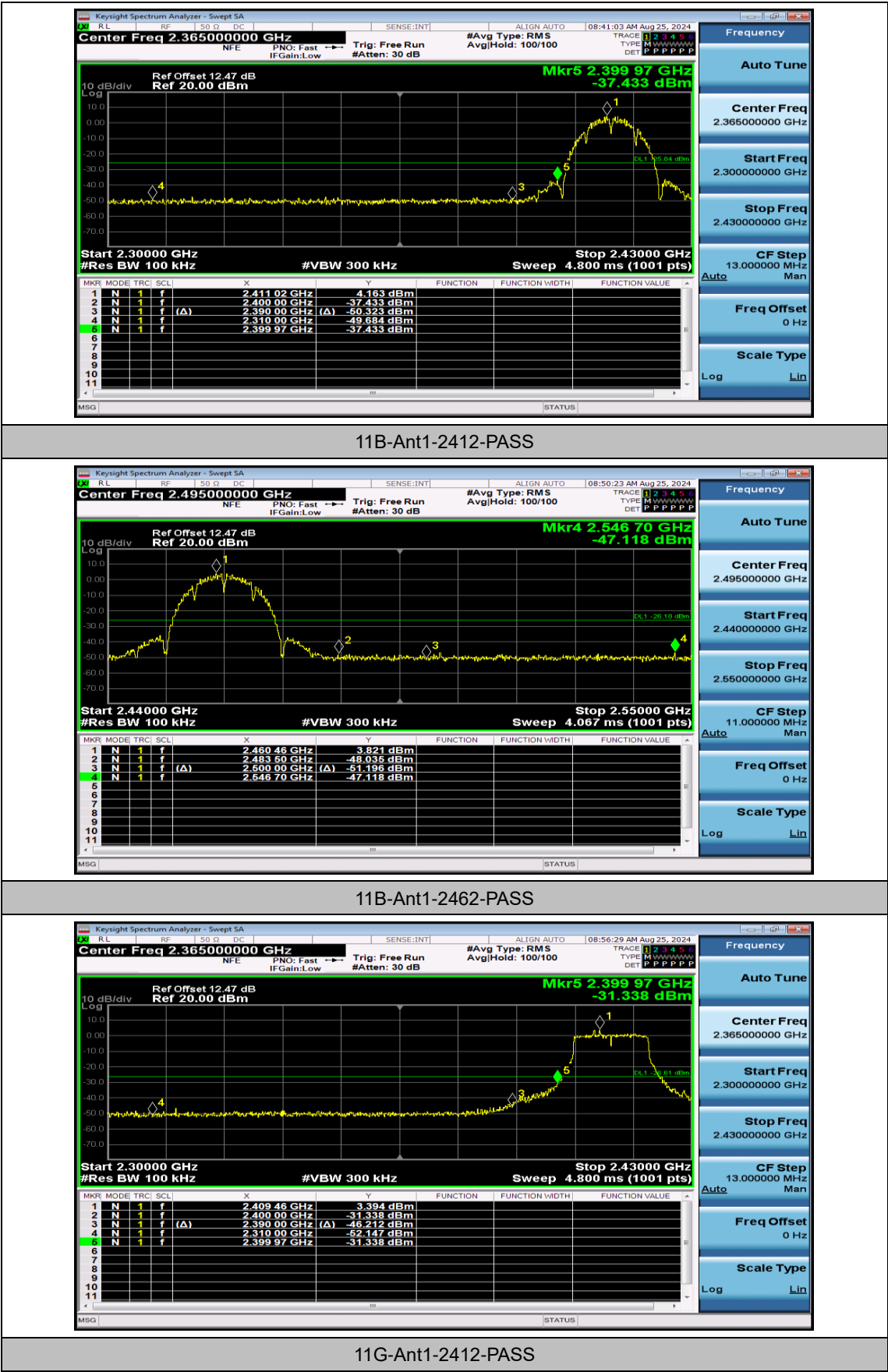
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Band edge measurements

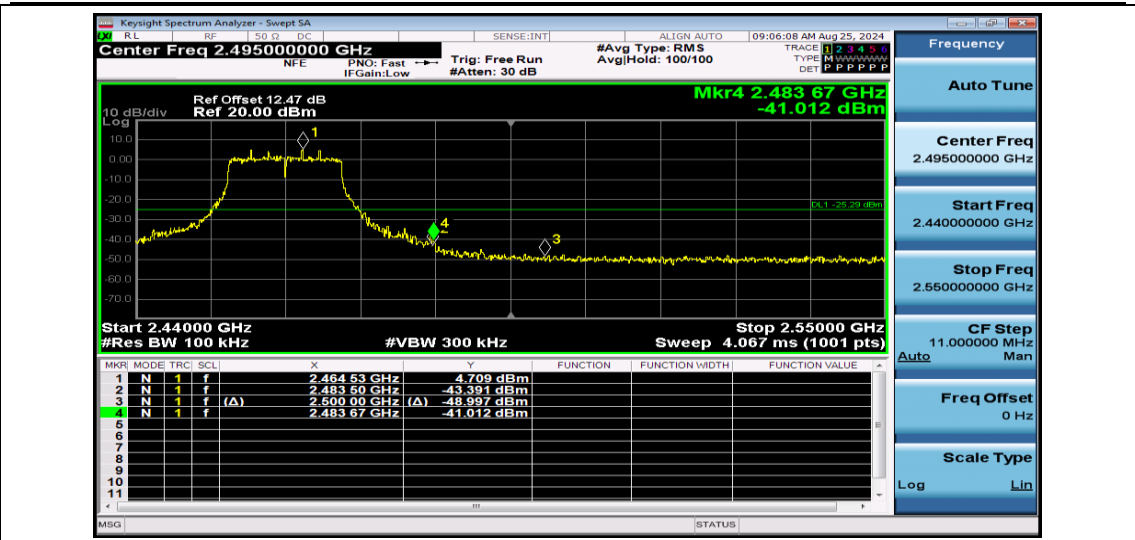
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.16	-37.43	≤-25.84	PASS
11B	Ant1	High	2462	3.82	-47.12	≤-26.18	PASS
11G	Ant1	Low	2412	3.39	-31.34	≤-26.61	PASS
11G	Ant1	High	2462	4.71	-41.01	≤-25.29	PASS
11N20SISO	Ant1	Low	2412	4.40	-31.29	≤-25.6	PASS
11N20SISO	Ant1	High	2462	3.29	-38.04	≤-26.71	PASS
11N40SISO	Ant1	Low	2422	-0.96	-35.93	≤-30.96	PASS
11N40SISO	Ant1	High	2452	0.30	-37.53	≤-29.7	PASS

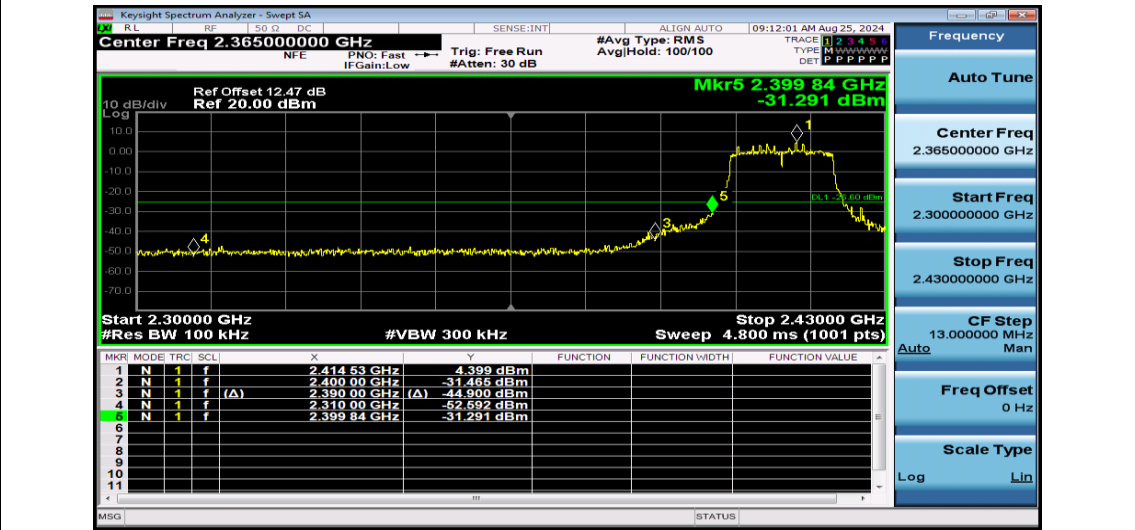
Test Graphs



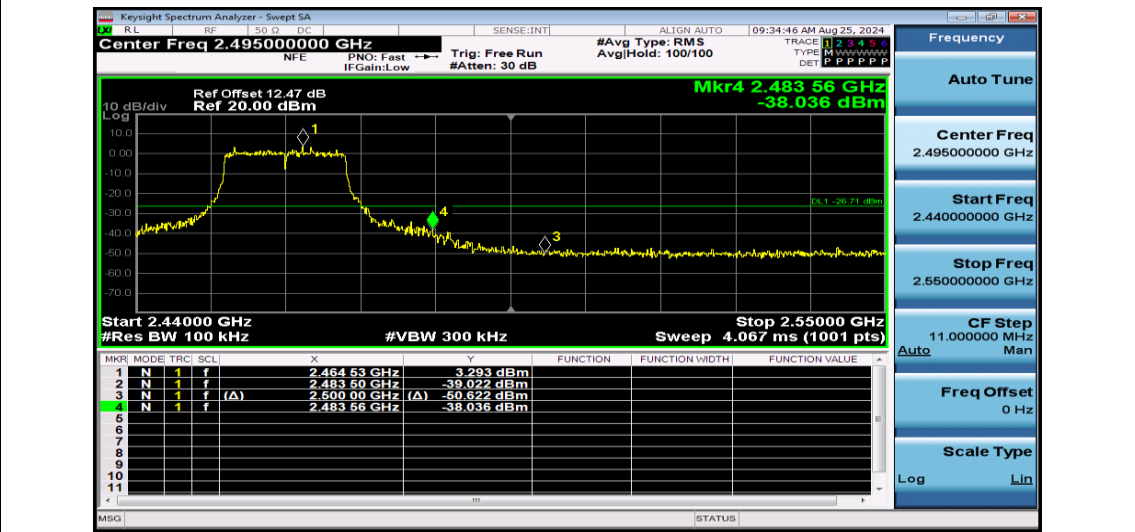
FCC ID: 2A64B-DEX56
IC: 28593-DEX56



11G-Ant1-2462-PASS



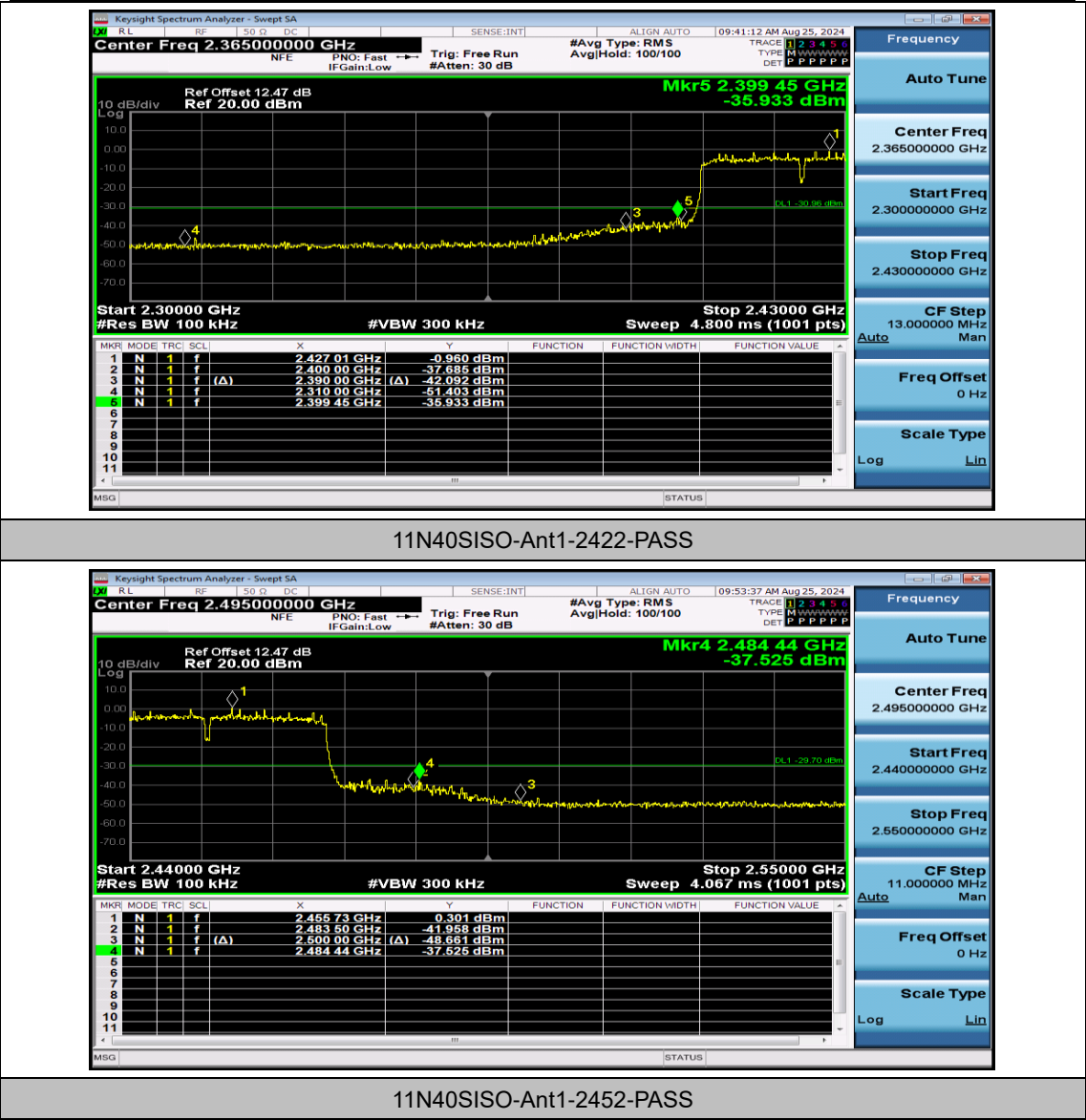
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

FCC ID:2A64B-DEX56

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FCC ID: 2A64B-DEX56

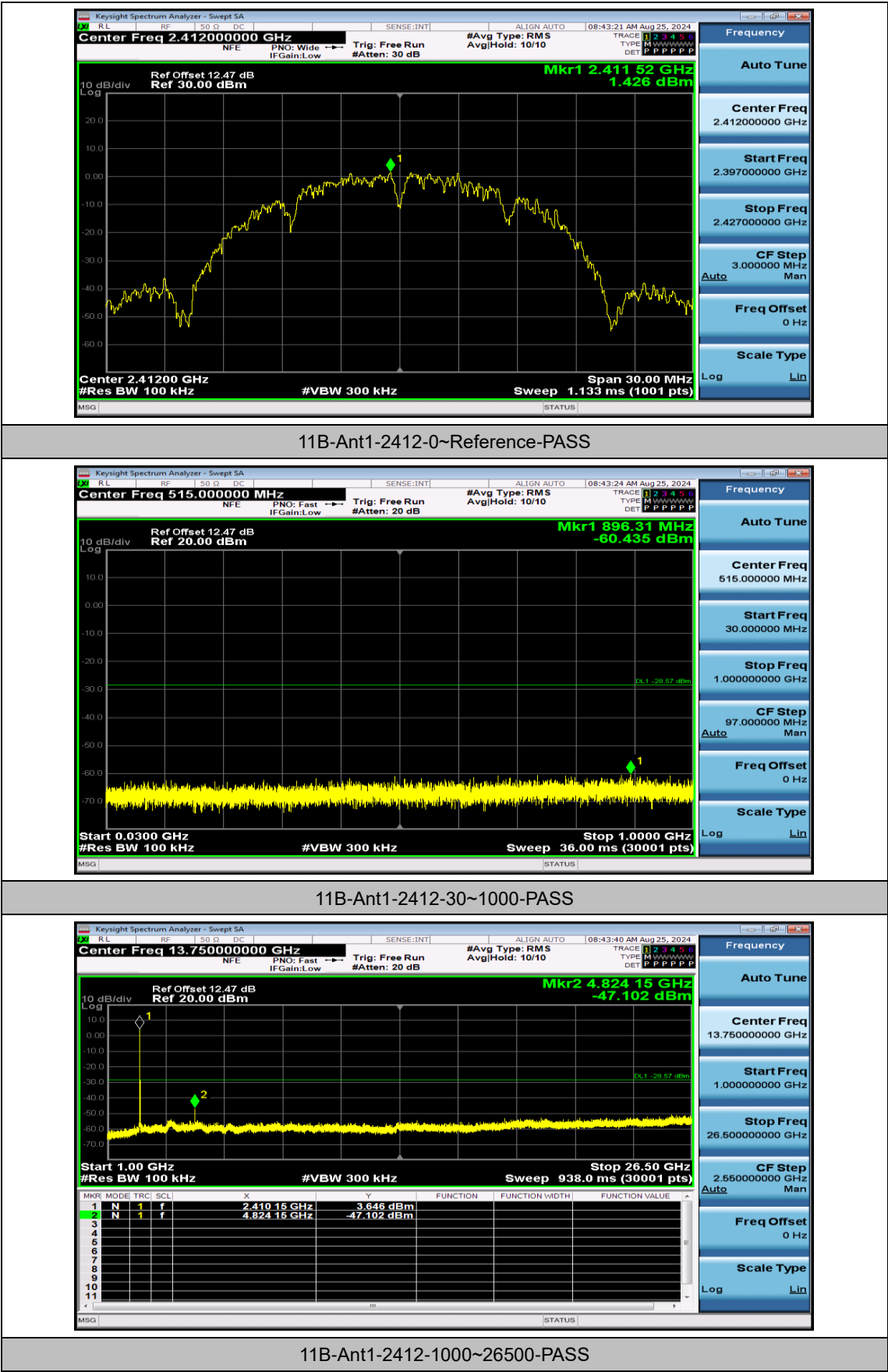
IC: 28593-DEX56

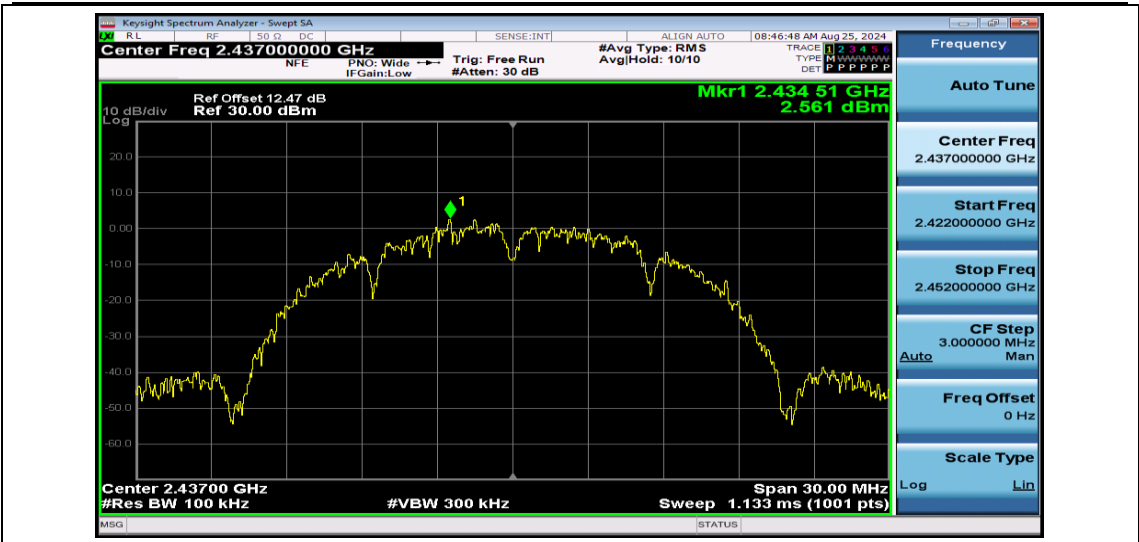
Conducted Spurious Emission

Test Result

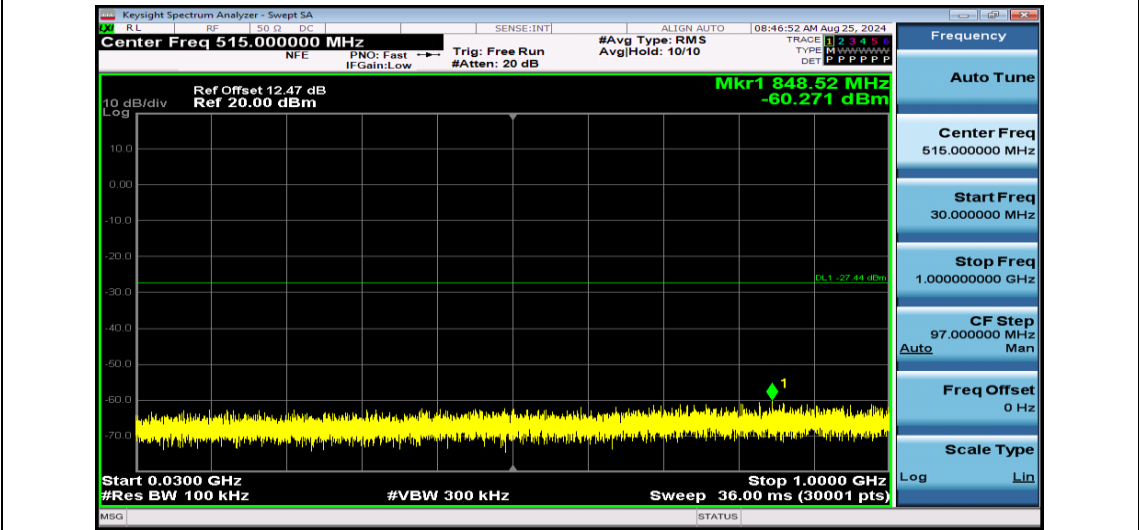
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	1.43	1.43	---	PASS
11B	Ant1	2412	30~1000	1.43	-60.44	≤-28.57	PASS
11B	Ant1	2412	1000~26500	1.43	-47.1	≤-28.57	PASS
11B	Ant1	2437	0~Reference	2.56	2.56	---	PASS
11B	Ant1	2437	30~1000	2.56	-60.27	≤-27.44	PASS
11B	Ant1	2437	1000~26500	2.56	-49.33	≤-27.44	PASS
11B	Ant1	2462	0~Reference	4.87	4.87	---	PASS
11B	Ant1	2462	30~1000	4.87	-59.16	≤-25.13	PASS
11B	Ant1	2462	1000~26500	4.87	-50.24	≤-25.13	PASS
11G	Ant1	2412	0~Reference	0.86	0.86	---	PASS
11G	Ant1	2412	30~1000	0.86	-60.56	≤-29.14	PASS
11G	Ant1	2412	1000~26500	0.86	-50.15	≤-29.14	PASS
11G	Ant1	2437	0~Reference	2.98	2.98	---	PASS
11G	Ant1	2437	30~1000	2.98	-60.54	≤-27.02	PASS
11G	Ant1	2437	1000~26500	2.98	-50.72	≤-27.02	PASS
11G	Ant1	2462	0~Reference	3.75	3.75	---	PASS
11G	Ant1	2462	30~1000	3.75	-59.77	≤-26.25	PASS
11G	Ant1	2462	1000~26500	3.75	-51.28	≤-26.25	PASS
11N20SISO	Ant1	2412	0~Reference	0.72	0.72	---	PASS
11N20SISO	Ant1	2412	30~1000	0.72	-60.93	≤-29.28	PASS
11N20SISO	Ant1	2412	1000~26500	0.72	-50.8	≤-29.28	PASS
11N20SISO	Ant1	2437	0~Reference	0.44	0.44	---	PASS
11N20SISO	Ant1	2437	30~1000	0.44	-59.38	≤-29.56	PASS
11N20SISO	Ant1	2437	1000~26500	0.44	-51.29	≤-29.56	PASS
11N20SISO	Ant1	2462	0~Reference	0.47	0.47	---	PASS
11N20SISO	Ant1	2462	30~1000	0.47	-59.85	≤-29.53	PASS
11N20SISO	Ant1	2462	1000~26500	0.47	-51.47	≤-29.53	PASS
11N40SISO	Ant1	2422	0~Reference	-2.72	-2.72	---	PASS
11N40SISO	Ant1	2422	30~1000	-2.72	-59.28	≤-32.72	PASS
11N40SISO	Ant1	2422	1000~26500	-2.72	-50.29	≤-32.72	PASS
11N40SISO	Ant1	2437	0~Reference	-1.73	-1.73	---	PASS
11N40SISO	Ant1	2437	30~1000	-1.73	-59.73	≤-31.73	PASS
11N40SISO	Ant1	2437	1000~26500	-1.73	-51.73	≤-31.73	PASS
11N40SISO	Ant1	2452	0~Reference	-0.49	-0.49	---	PASS
11N40SISO	Ant1	2452	30~1000	-0.49	-59.61	≤-30.49	PASS
11N40SISO	Ant1	2452	1000~26500	-0.49	-51.21	≤-30.49	PASS

Test Graphs

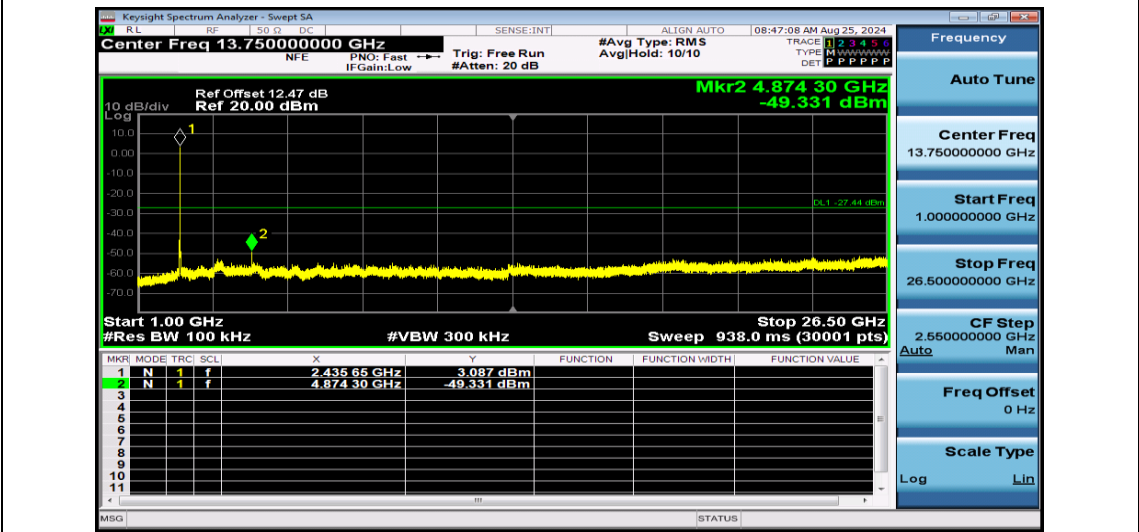




11B-Ant1-2437-0~Reference-PASS



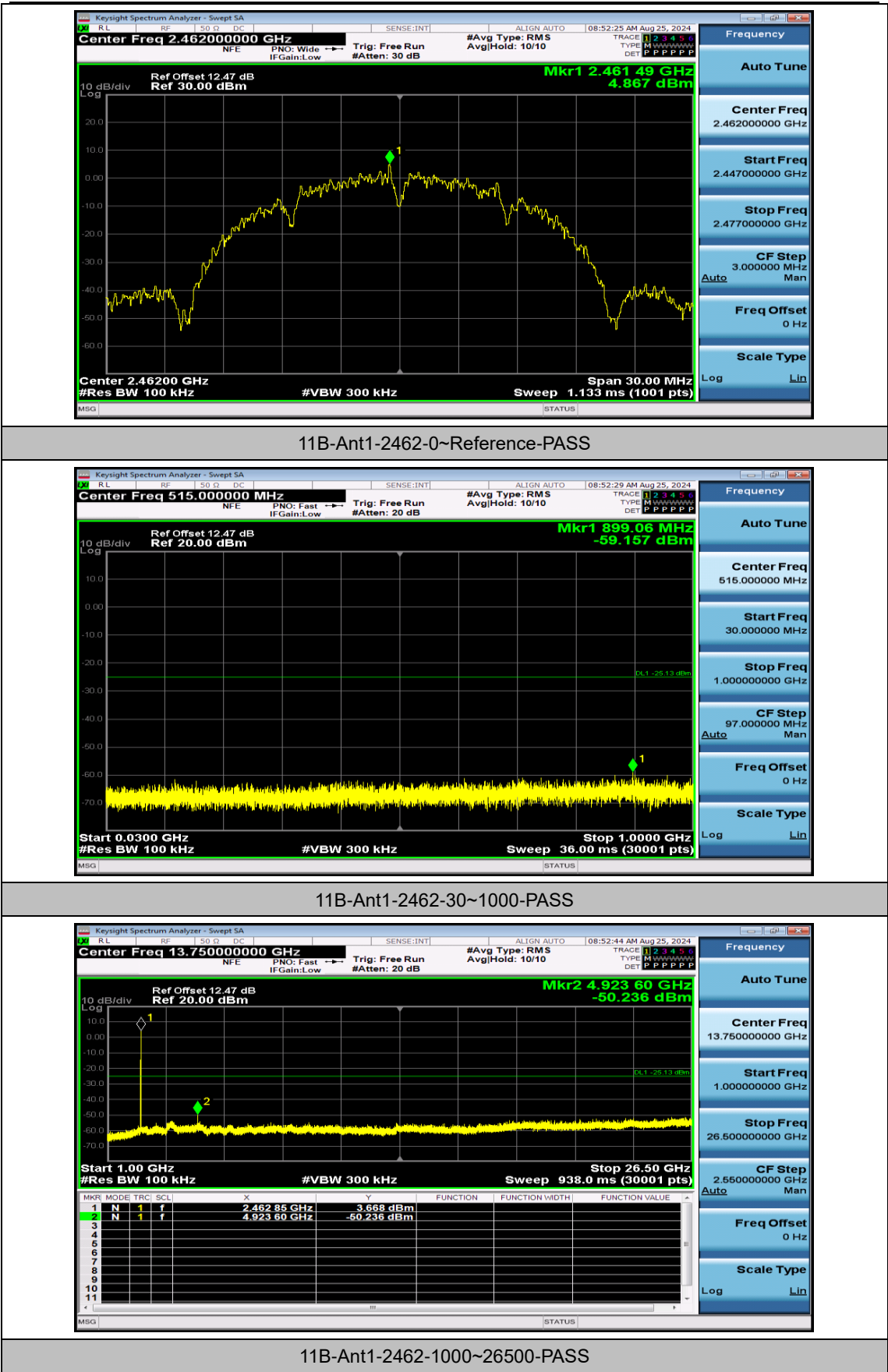
11B-Ant1-2437-30~1000-PASS

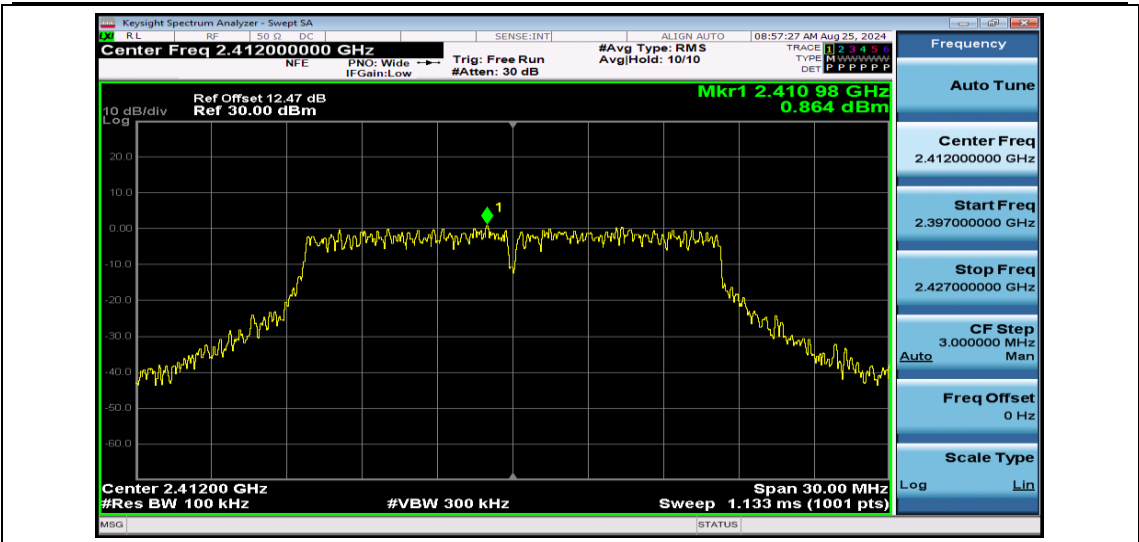


11B-Ant1-2437-1000~26500-PASS

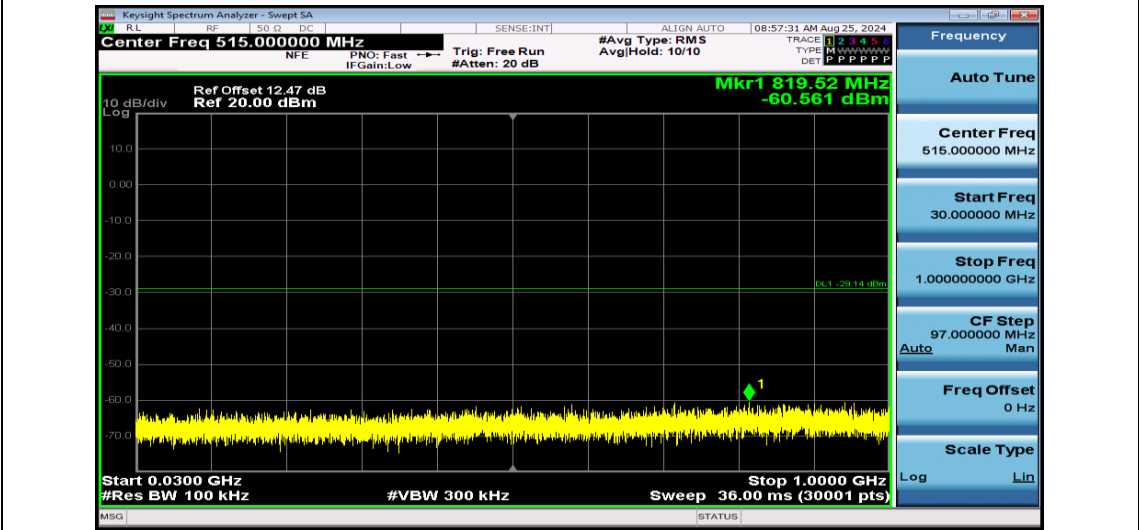
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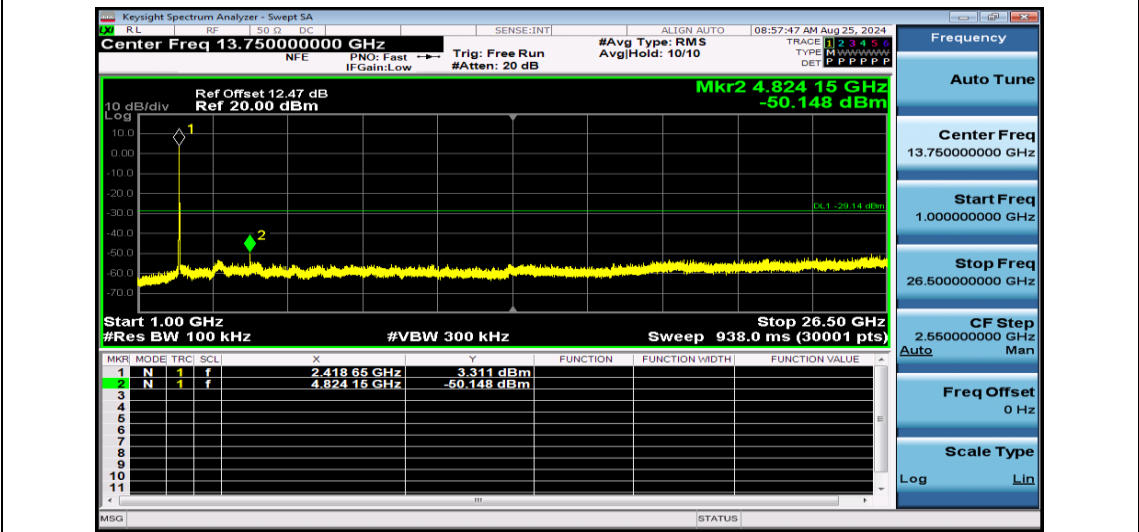




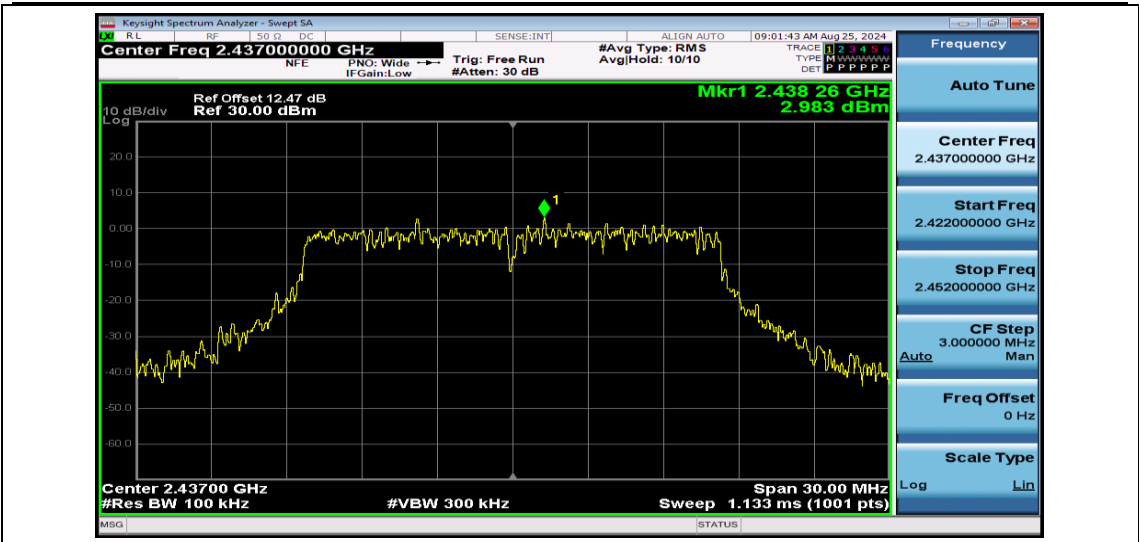
11G-Ant1-2412-0~Reference-PASS



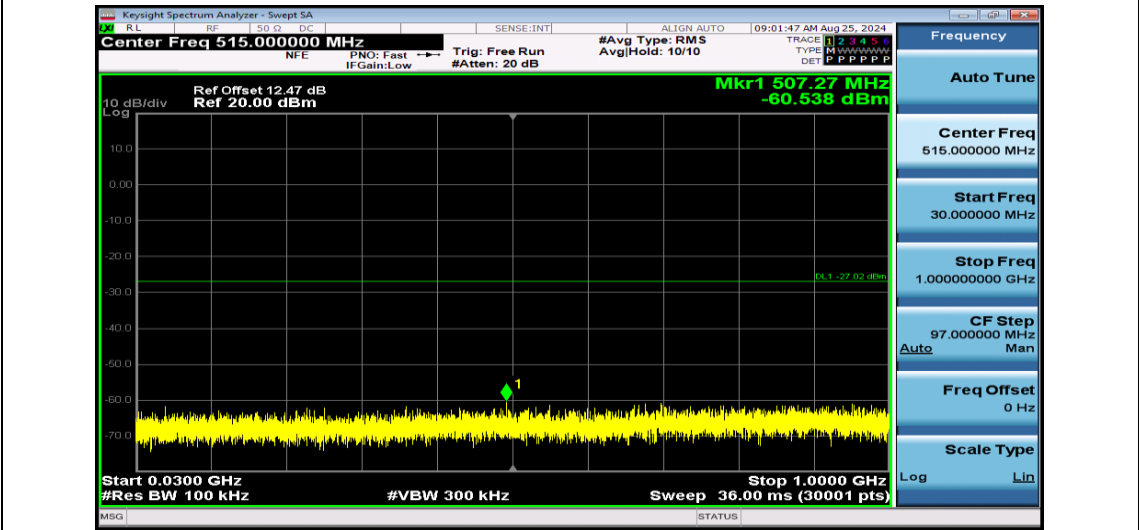
11G-Ant1-2412-30~1000-PASS



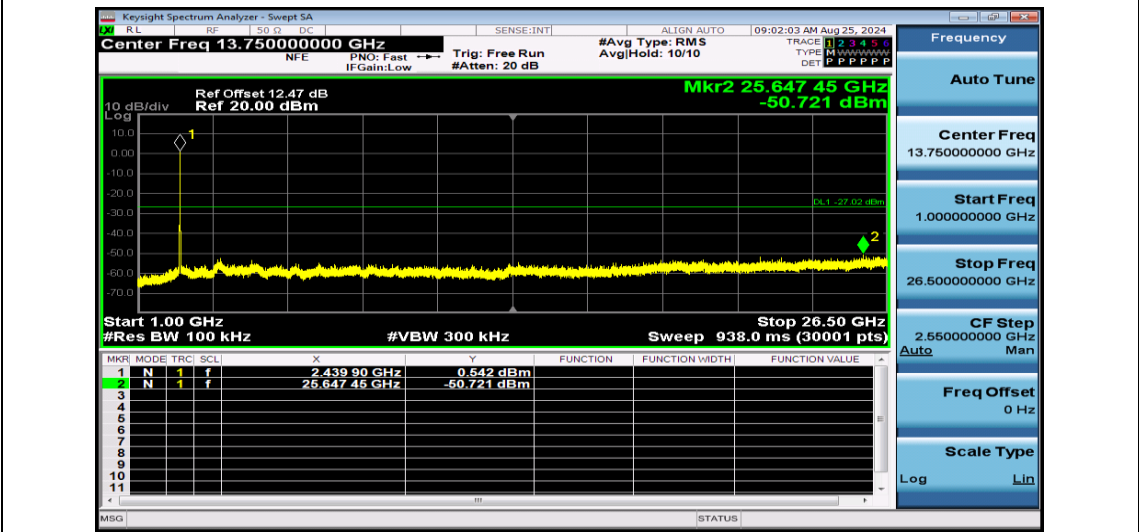
11G-Ant1-2412-1000~26500-PASS



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



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



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