

Appendix: 2.4G WIFI

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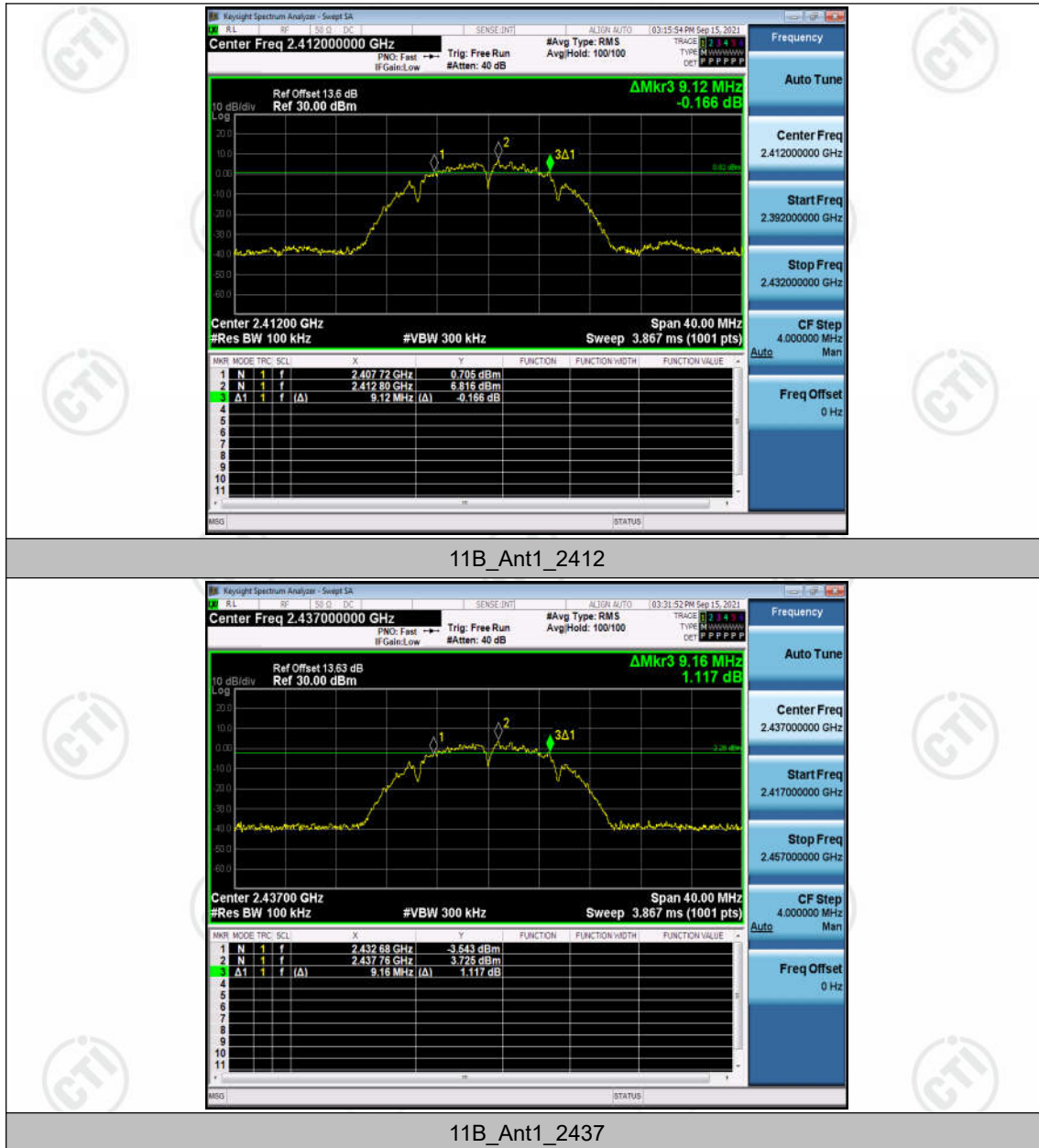
 Test Graphs.....50

Appendix A: DTS Bandwidth

Test Result

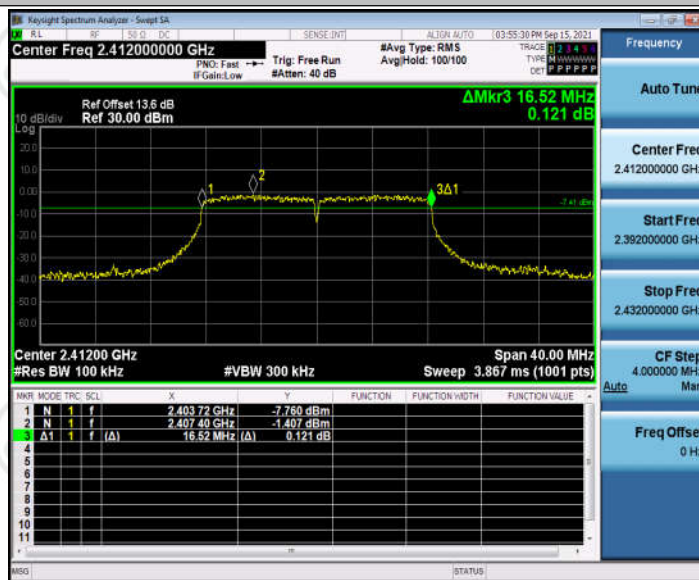
Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.120	2407.720	2416.840	0.5	PASS
	Ant1	2437	9.160	2432.680	2441.840	0.5	PASS
	Ant1	2462	9.160	2457.720	2466.880	0.5	PASS
11G	Ant1	2412	16.520	2403.720	2420.240	0.5	PASS
	Ant1	2437	16.520	2428.720	2445.240	0.5	PASS
	Ant1	2462	16.520	2453.720	2470.240	0.5	PASS
11N20SIS O	Ant1	2412	17.680	2403.160	2420.840	0.5	PASS
	Ant1	2437	17.680	2428.160	2445.840	0.5	PASS
	Ant1	2462	17.680	2453.160	2470.840	0.5	PASS
11N40SIS O	Ant1	2422	36.560	2403.680	2440.240	0.5	PASS
	Ant1	2437	36.480	2418.760	2455.240	0.5	PASS
	Ant1	2452	36.560	2433.680	2470.240	0.5	PASS

Test Graphs

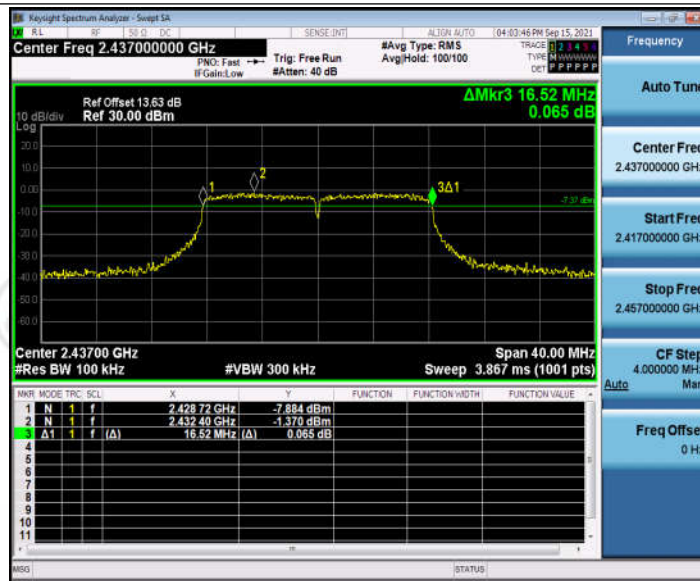




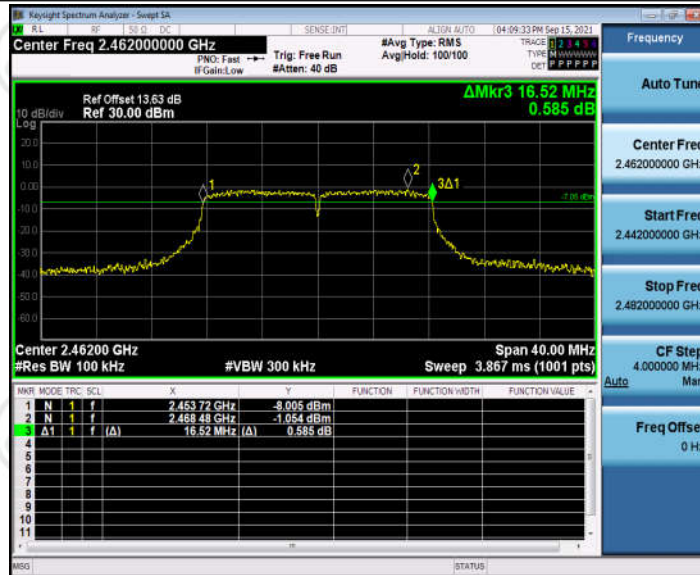
11B_Ant1_2462



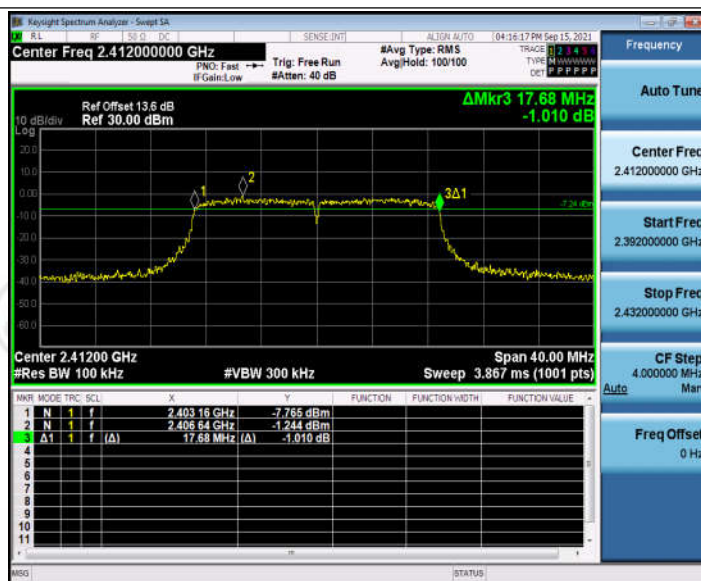
11G_Ant1_2412



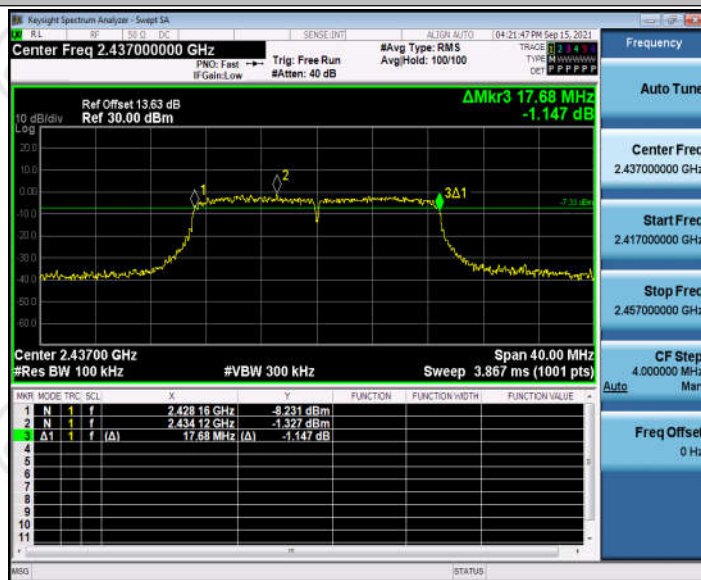
11G_Ant1_2437



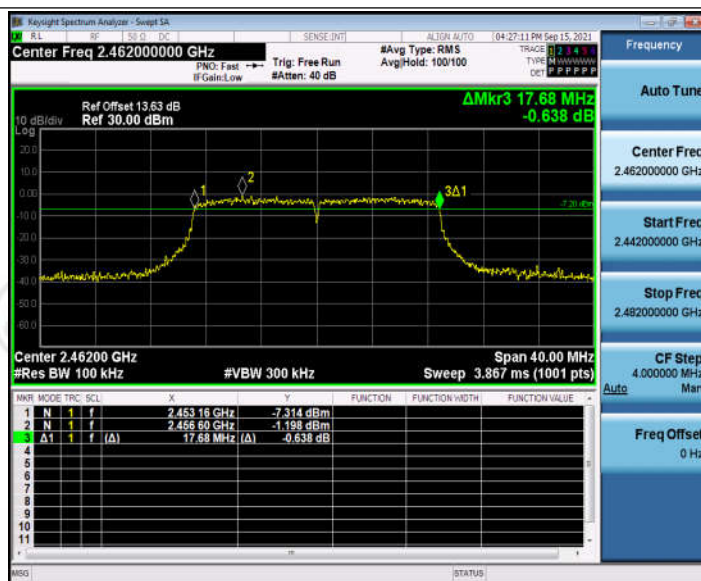
11G_Ant1_2462



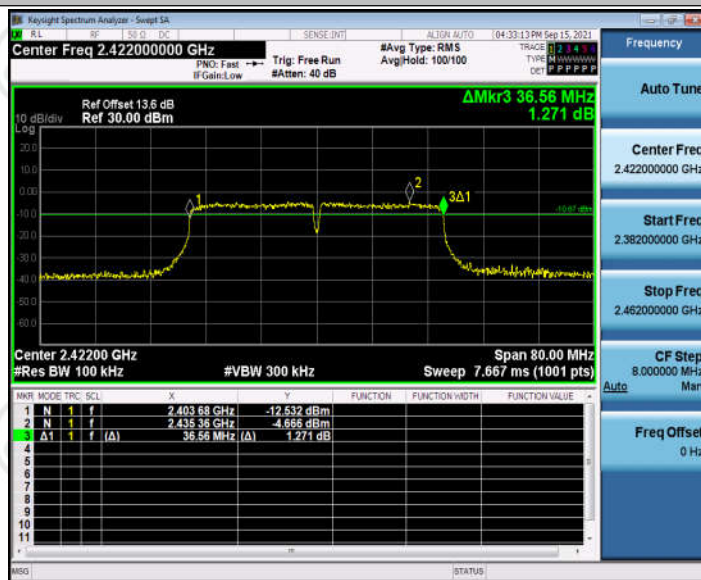
11N20SISO_Ant1_2412



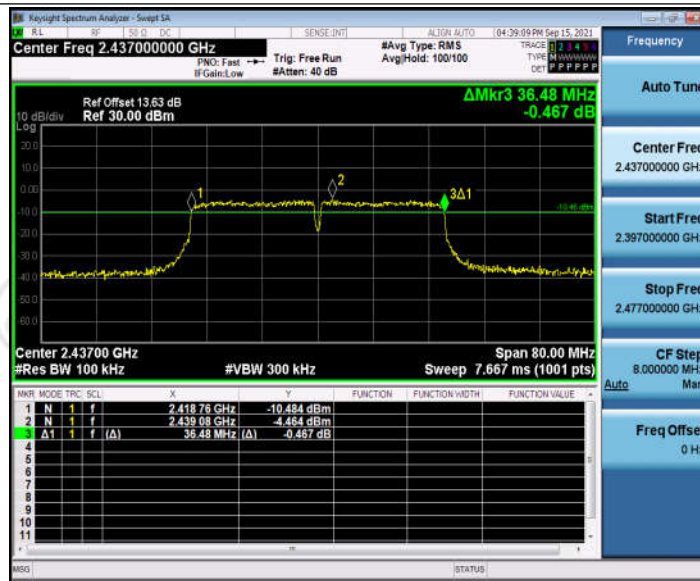
11N20SISO_Ant1_2437



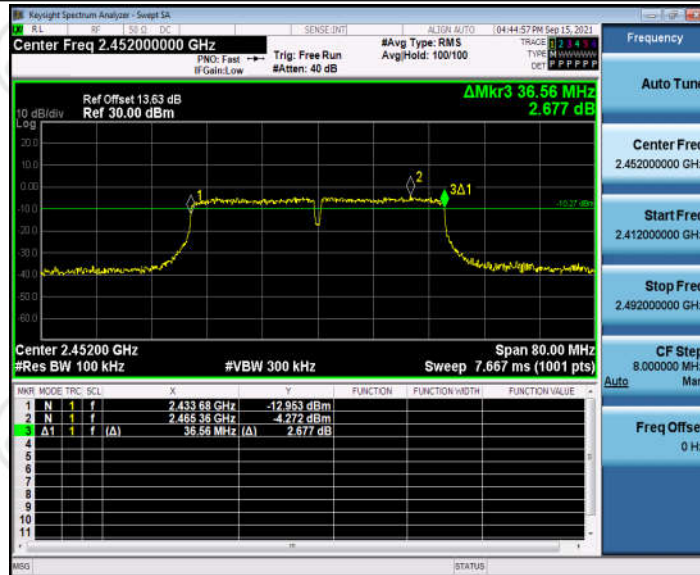
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



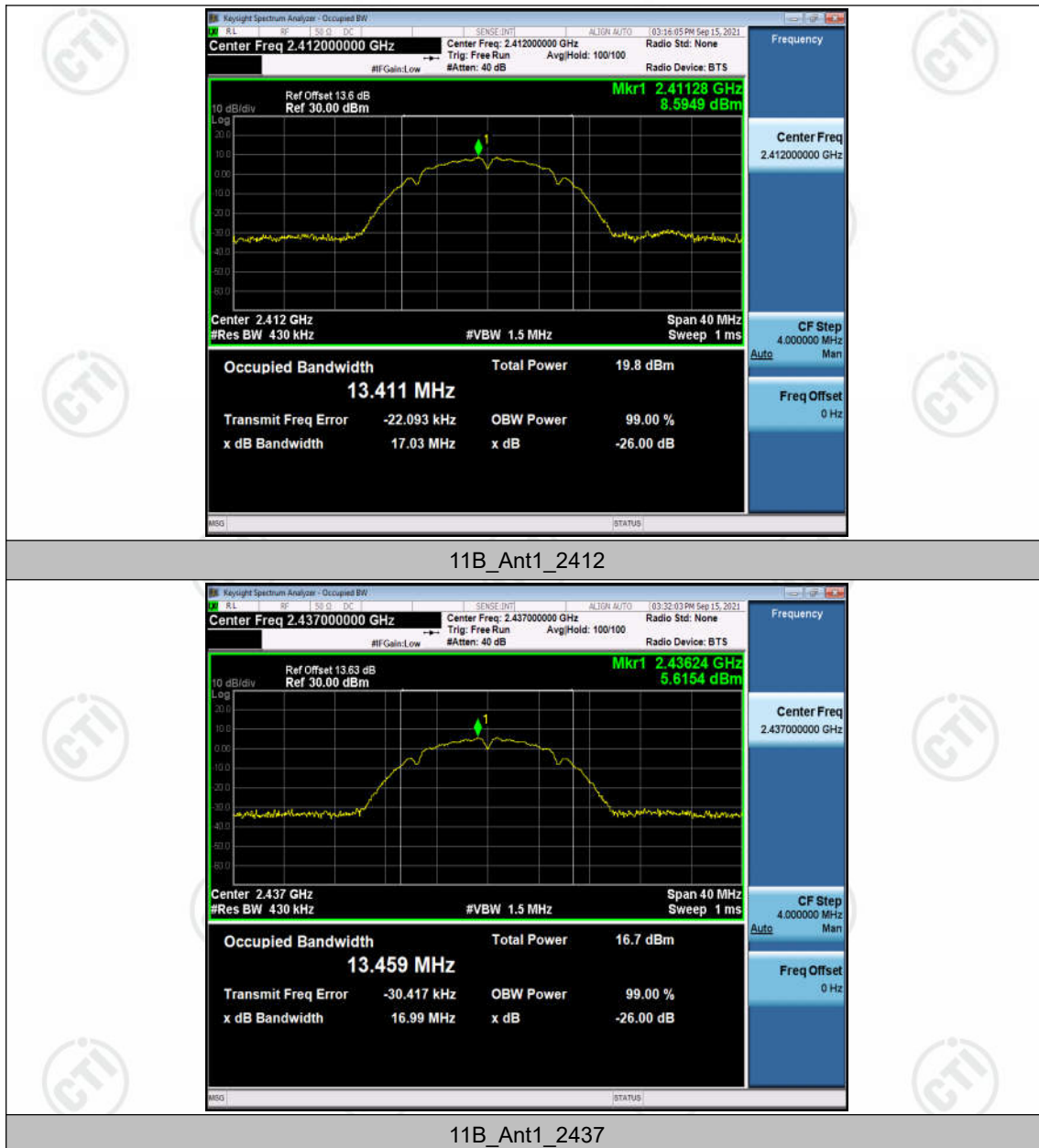
11N40SISO_Ant1_2452

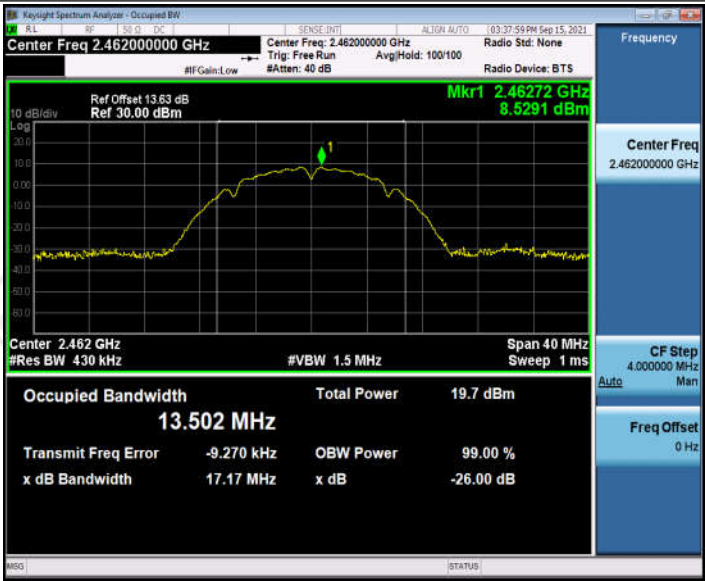
AppendixB: Occupied Channel Bandwidth

Test Result

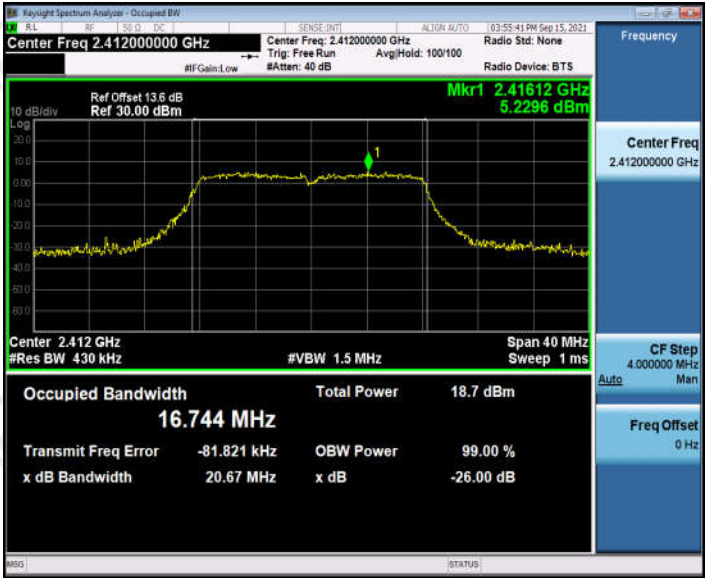
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.411	2405.272	2418.683	---	PASS
	Ant1	2437	13.459	2430.240	2443.699	---	PASS
	Ant1	2462	13.502	2455.240	2468.742	---	PASS
11G	Ant1	2412	16.744	2403.546	2420.290	---	PASS
	Ant1	2437	16.794	2428.528	2445.322	---	PASS
	Ant1	2462	16.637	2453.638	2470.275	---	PASS
11N20SIS O	Ant1	2412	17.723	2403.121	2420.844	---	PASS
	Ant1	2437	17.673	2428.152	2445.825	---	PASS
	Ant1	2462	17.801	2453.090	2470.891	---	PASS
11N40SIS O	Ant1	2422	36.390	2403.847	2440.237	---	PASS
	Ant1	2437	36.479	2418.800	2455.279	---	PASS
	Ant1	2452	36.606	2433.731	2470.337	---	PASS

Test Graphs

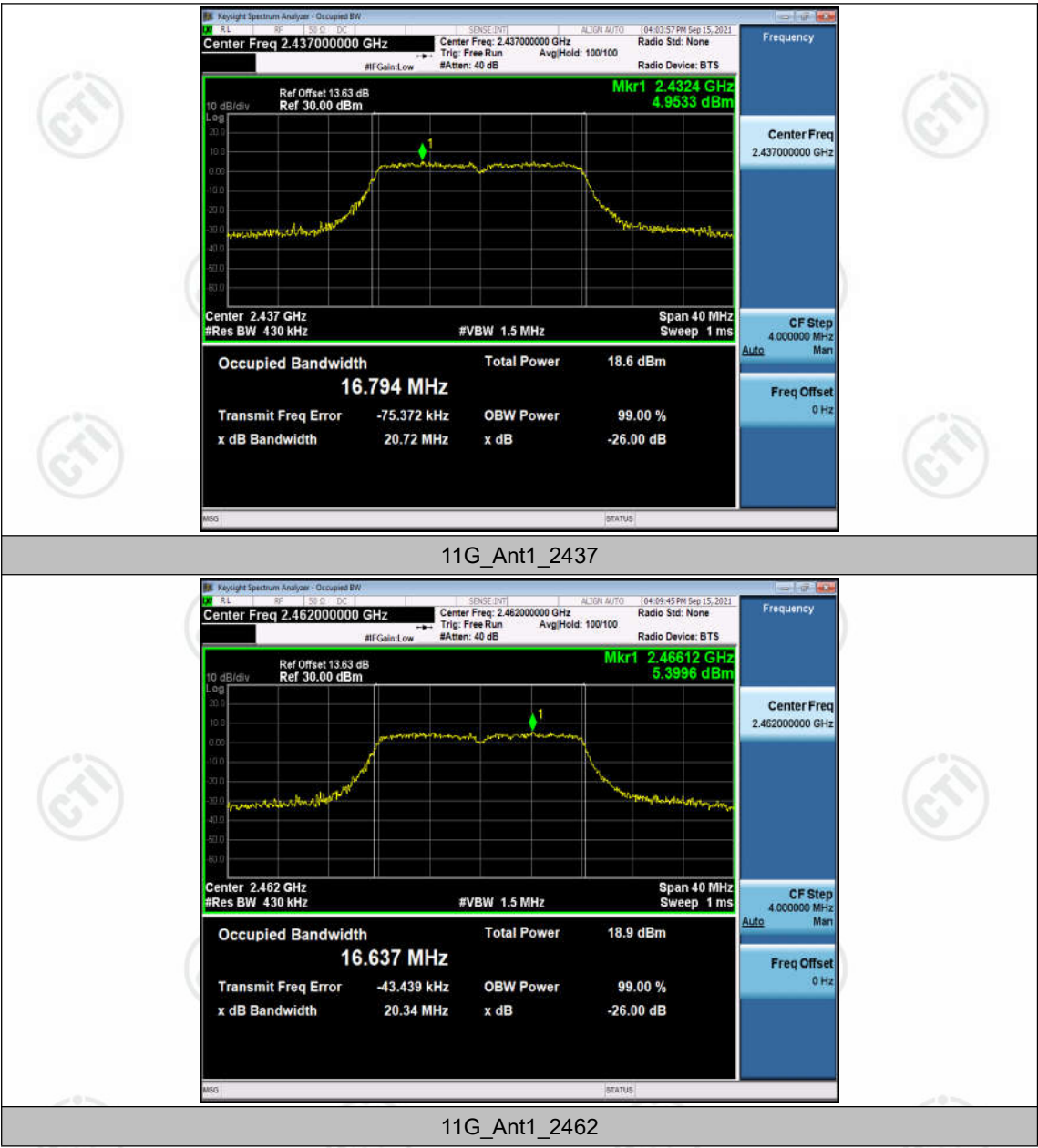


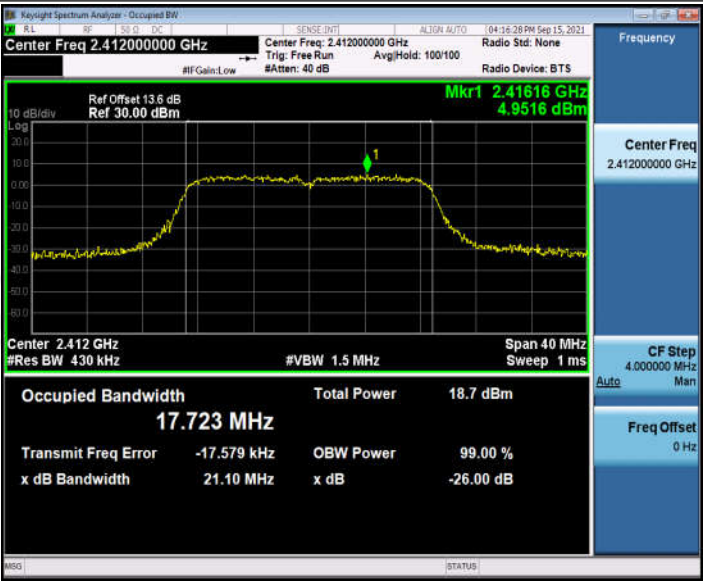


11B_Ant1_2462

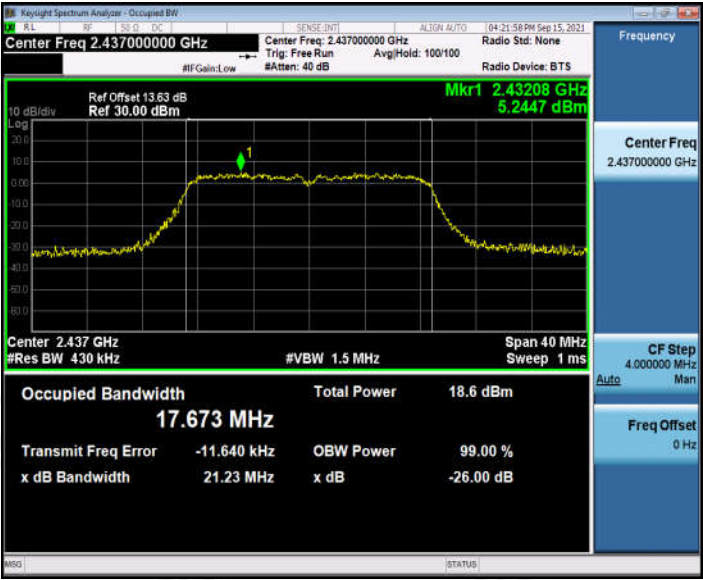


11G_Ant1_2412

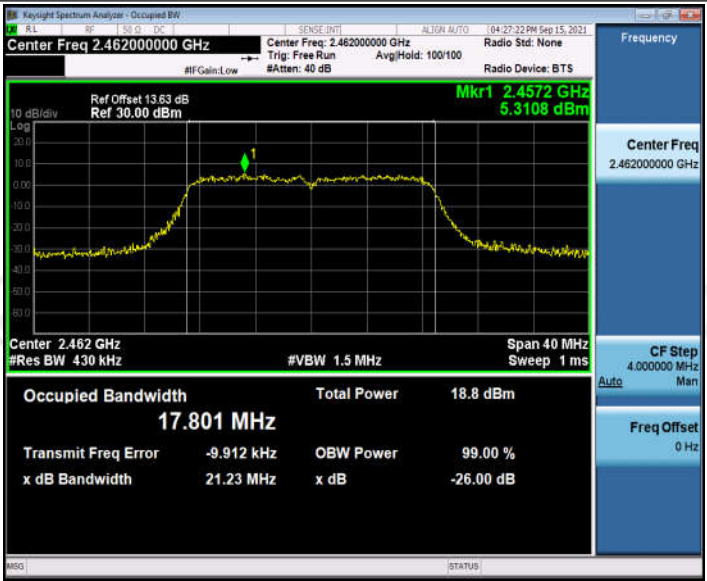




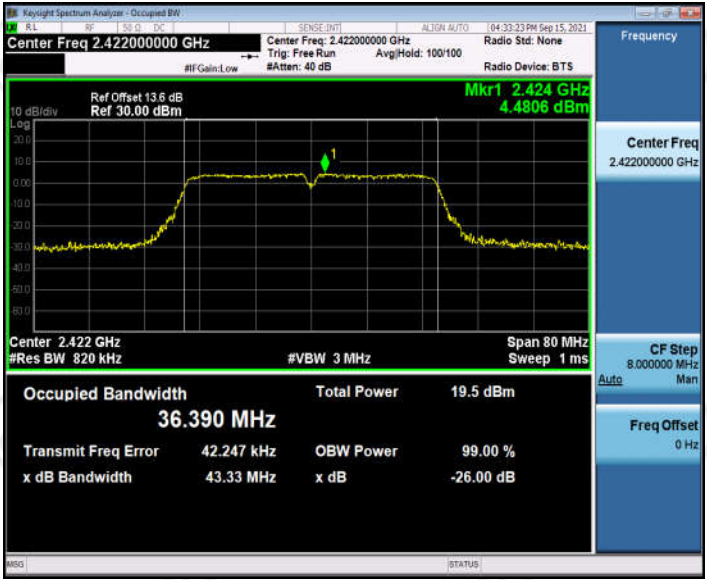
11N20SISO_Ant1_2412



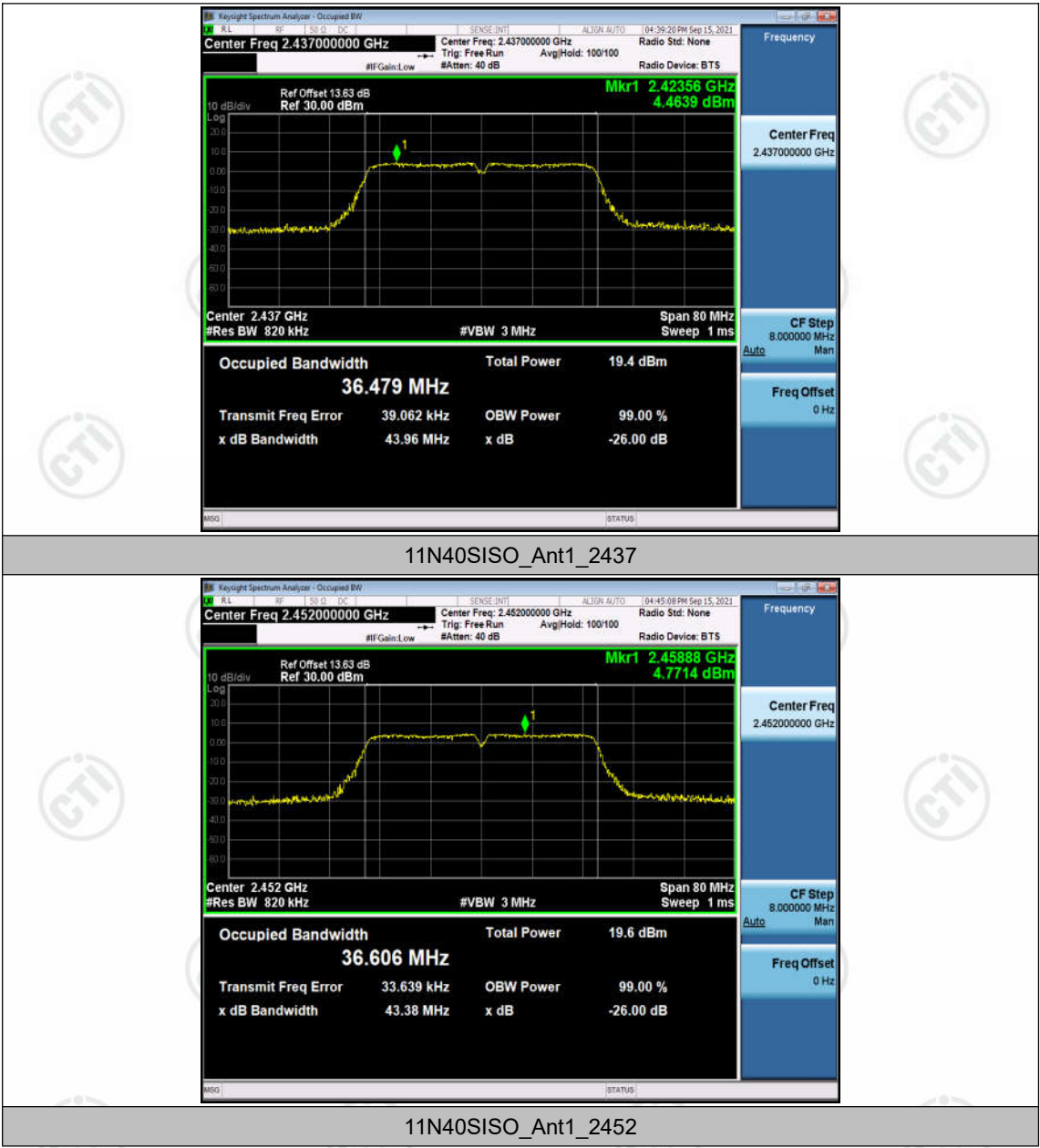
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



AppendixC: Maximum conducted output power

Test Result

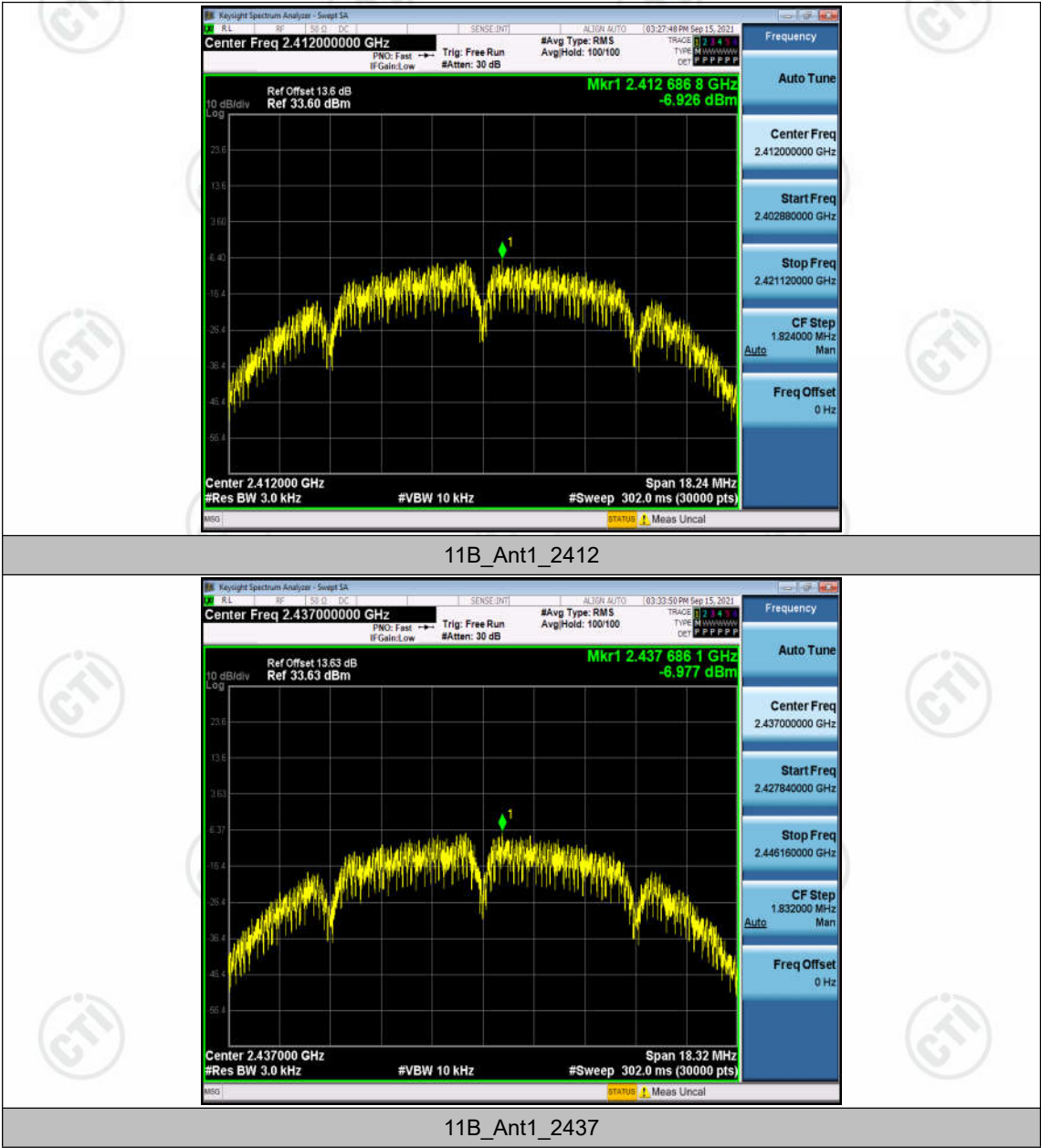
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.15	<=30	PASS
	Ant1	2437	16.28	<=30	PASS
	Ant1	2462	16.14	<=30	PASS
11G	Ant1	2412	12.81	<=30	PASS
	Ant1	2437	12.63	<=30	PASS
	Ant1	2462	12.84	<=30	PASS
11N20SISO	Ant1	2412	12.56	<=30	PASS
	Ant1	2437	12.38	<=30	PASS
	Ant1	2462	12.74	<=30	PASS
11N40SISO	Ant1	2422	12.67	<=30	PASS
	Ant1	2437	12.64	<=30	PASS
	Ant1	2452	12.74	<=30	PASS

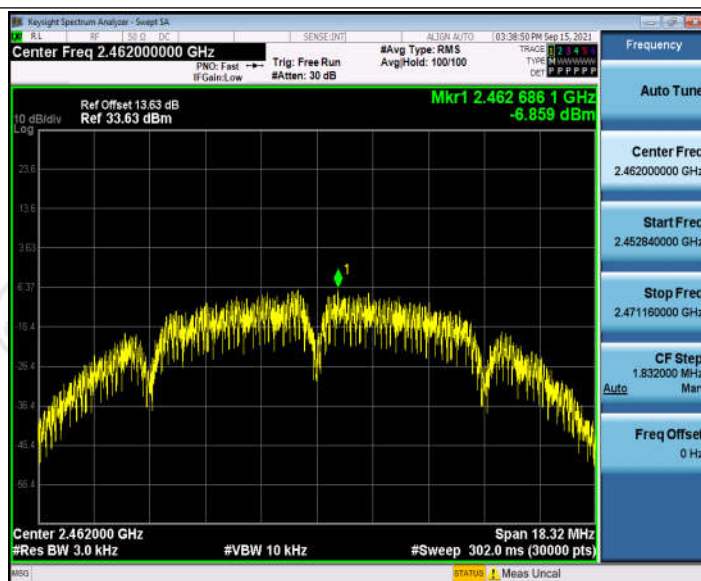
Appendix D: Maximum power spectral density

Test Result

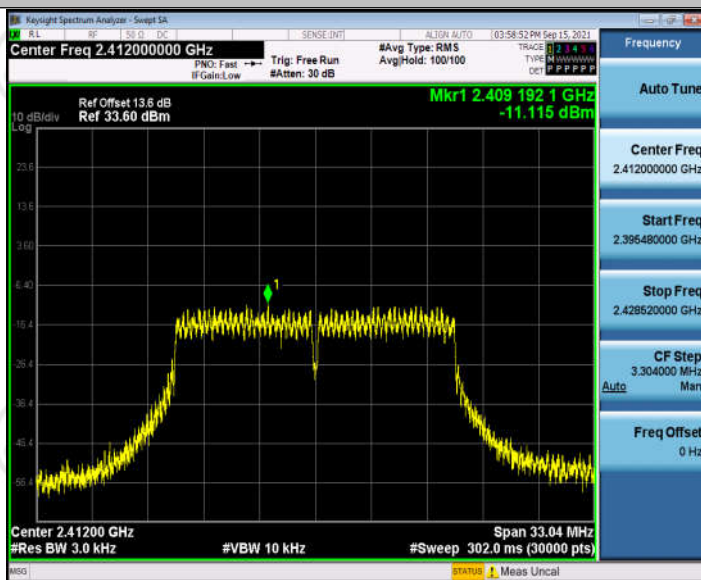
Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.93	≤ 8	PASS
	Ant1	2437	-6.98	≤ 8	PASS
	Ant1	2462	-6.86	≤ 8	PASS
11G	Ant1	2412	-11.12	≤ 8	PASS
	Ant1	2437	-11.24	≤ 8	PASS
	Ant1	2462	-10.97	≤ 8	PASS
11N20SISO	Ant1	2412	-11.93	≤ 8	PASS
	Ant1	2437	-11.96	≤ 8	PASS
	Ant1	2462	-11.69	≤ 8	PASS
11N40SISO	Ant1	2422	-14.7	≤ 8	PASS
	Ant1	2437	-14.76	≤ 8	PASS
	Ant1	2452	-14.2	≤ 8	PASS

Test Graphs

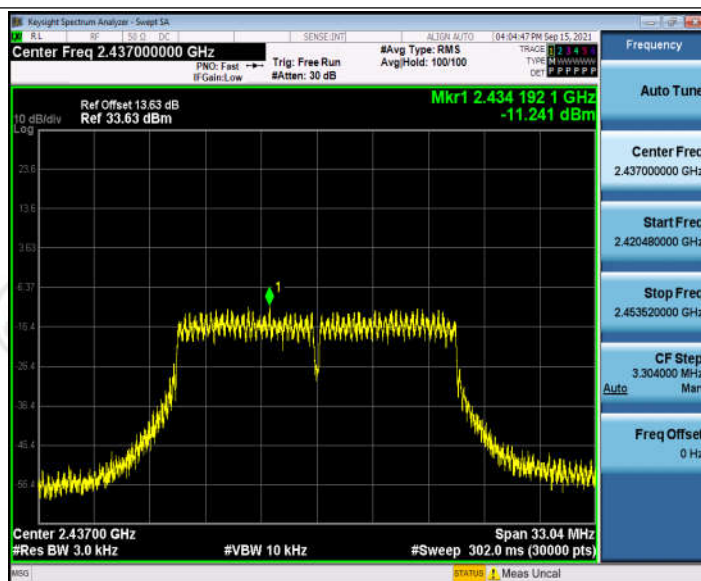




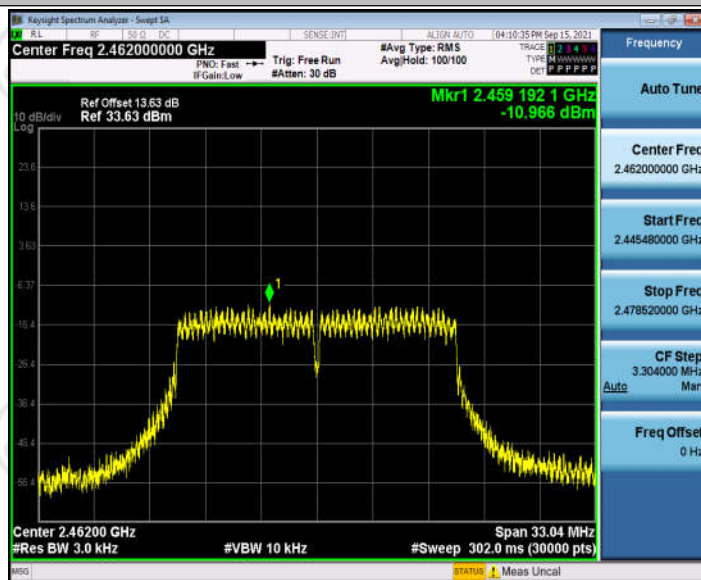
11B_Ant1_2462



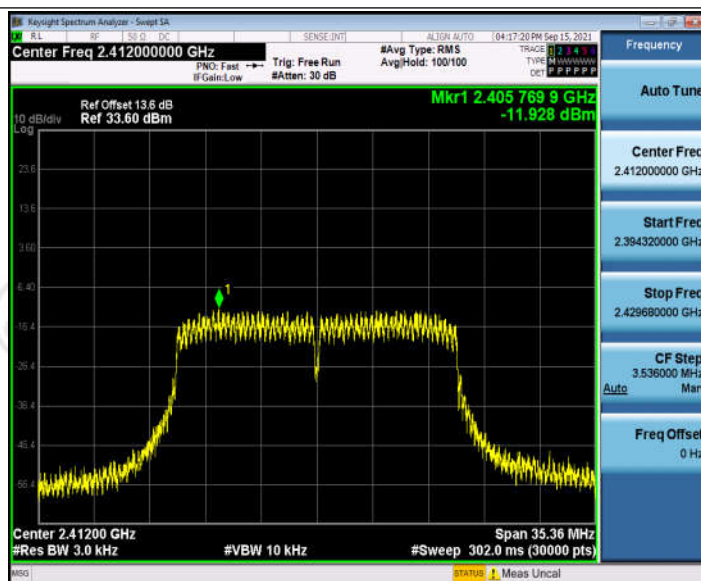
11G_Ant1_2412



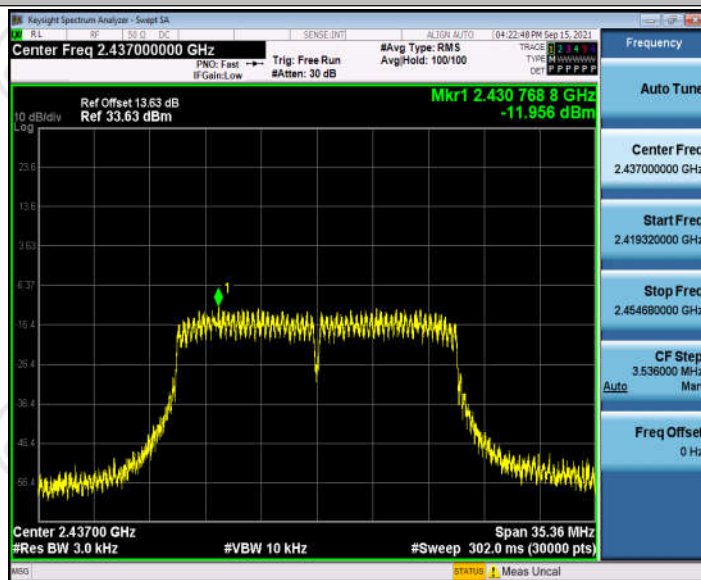
11G_Ant1_2437



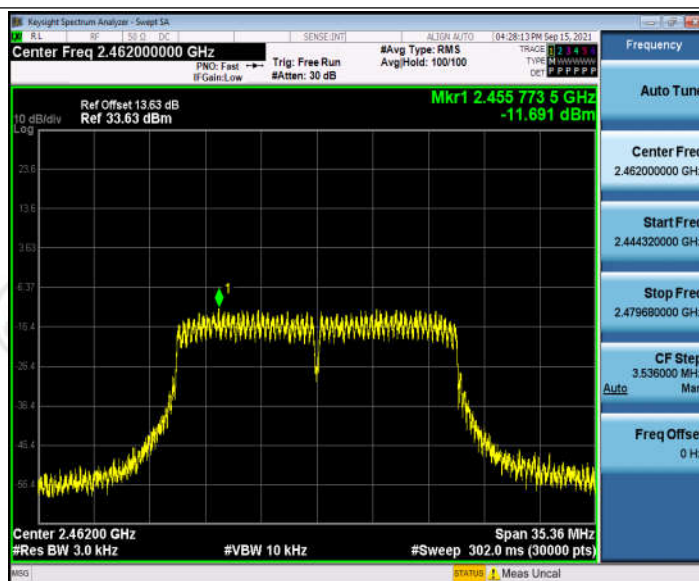
11G_Ant1_2462



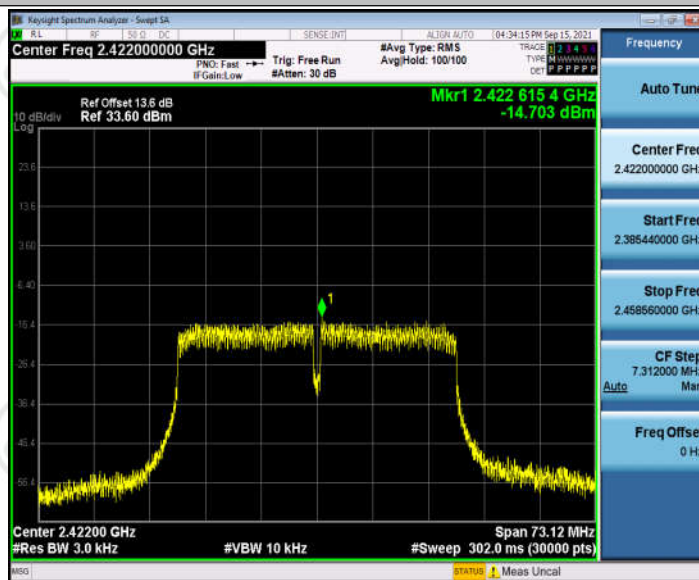
11N20SISO_Ant1_2412



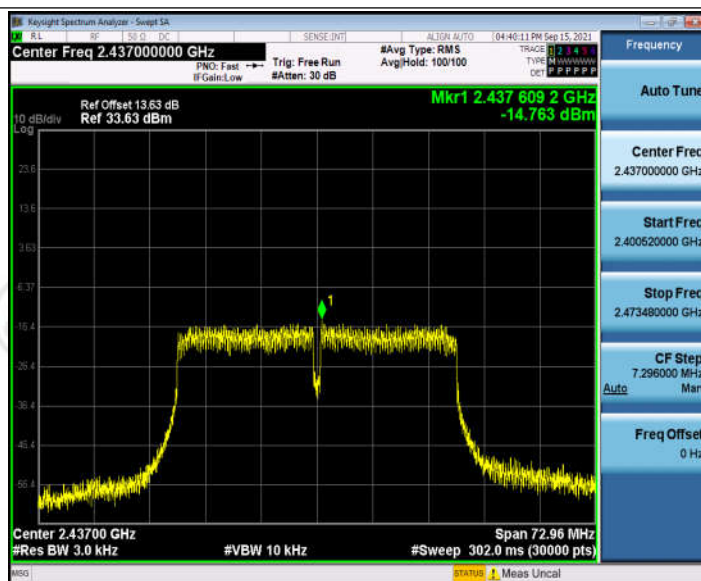
11N20SISO_Ant1_2437



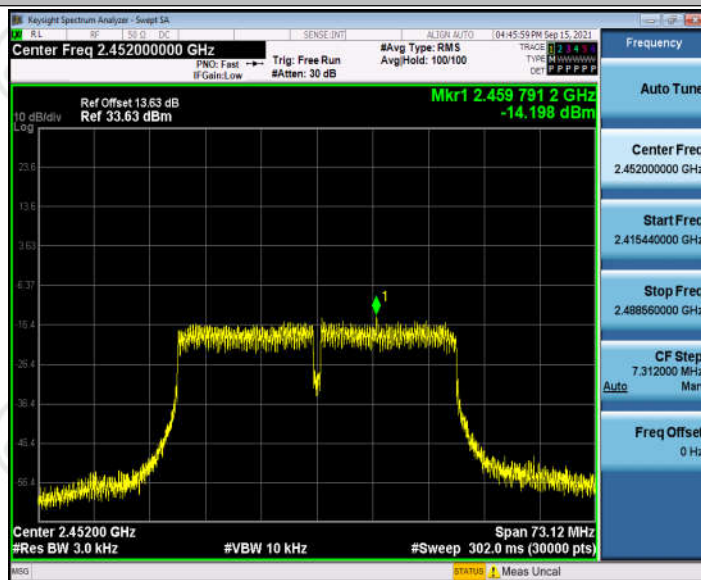
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



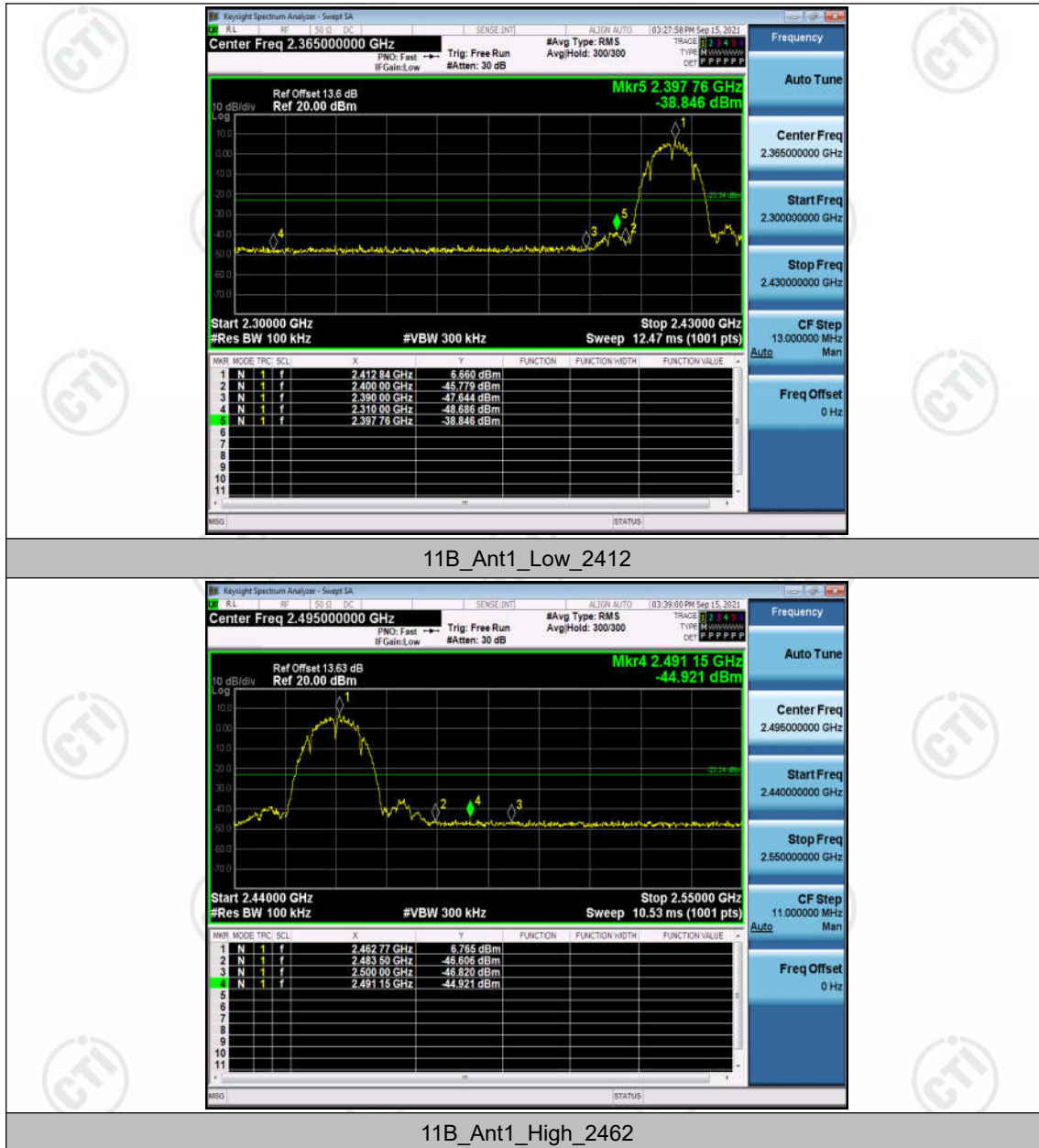
11N40SISO_Ant1_2452

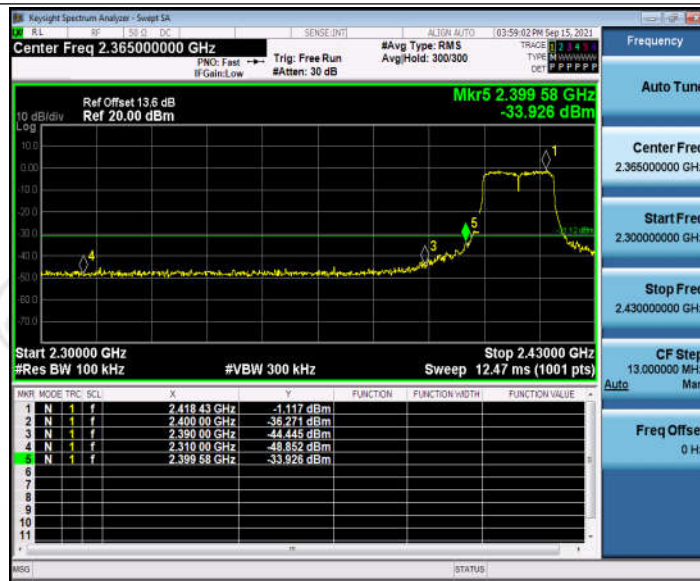
Appendix E:Band edge measurements

Test Result

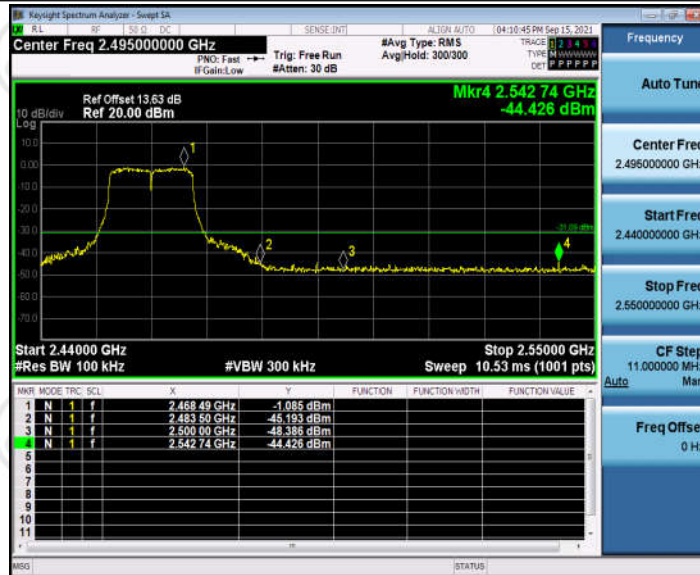
Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.66	-38.85	<=-23.34	PASS
	Ant1	High	2462	6.77	-44.92	<=-23.24	PASS
11G	Ant1	Low	2412	-1.12	-33.93	<=-31.12	PASS
	Ant1	High	2462	-1.09	-44.43	<=-31.09	PASS
11N20SI SO	Ant1	Low	2412	-1.20	-36.43	<=-31.2	PASS
	Ant1	High	2462	-0.76	-43.31	<=-30.76	PASS
11N40SI SO	Ant1	Low	2422	-4.43	-36.85	<=-34.43	PASS
	Ant1	High	2452	-4.39	-38.11	<=-34.39	PASS

Test Graphs

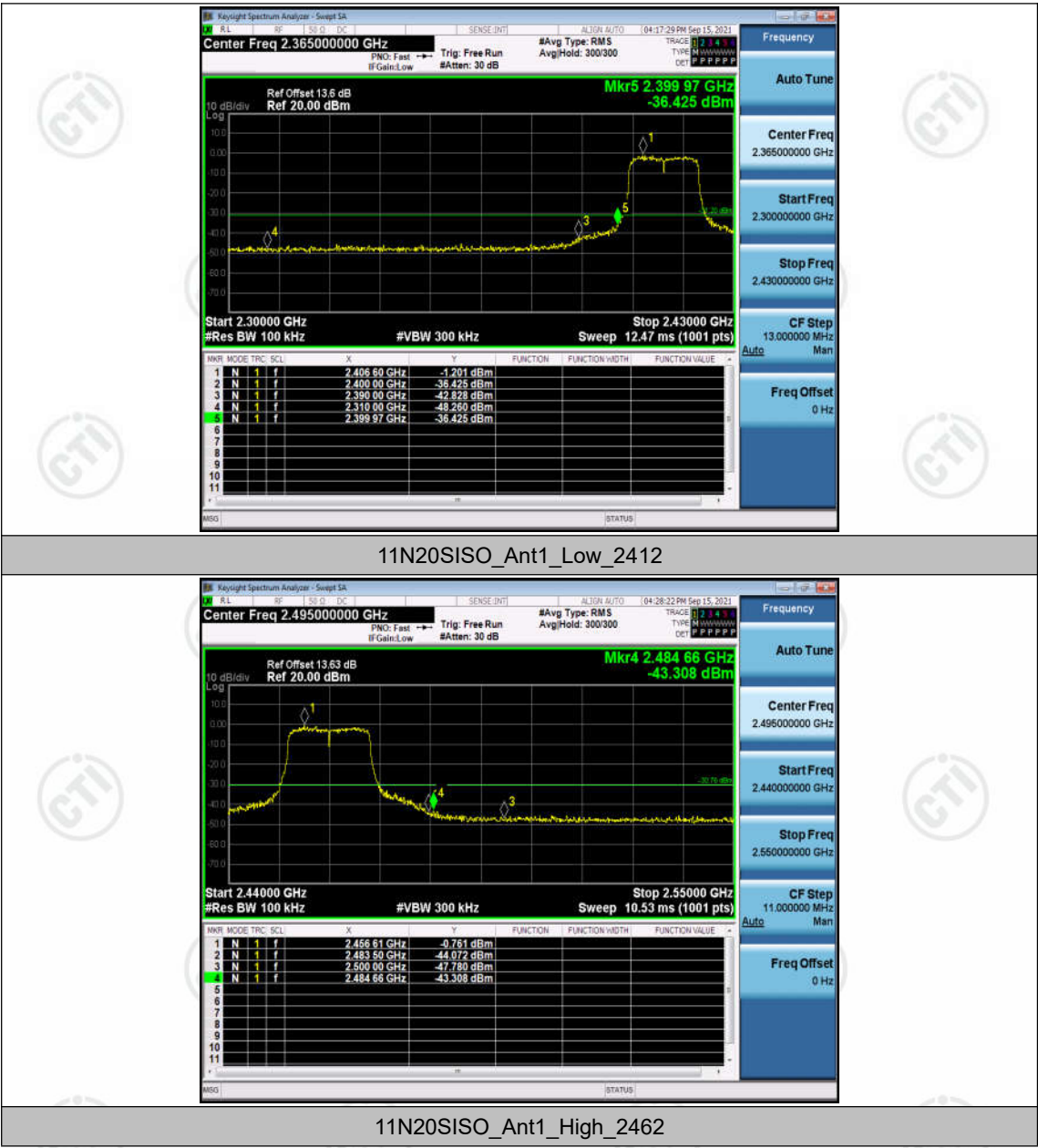


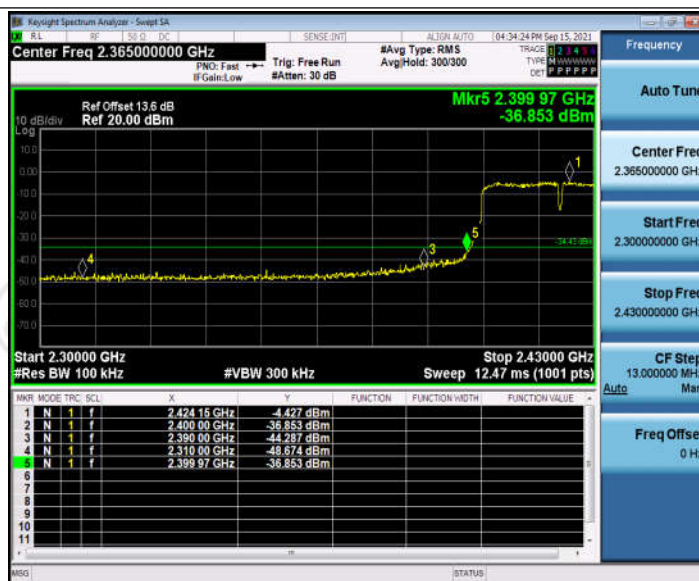


11G_Ant1_Low_2412



11G_Ant1_High_2462





11N40SISO_Ant1_Low_2422



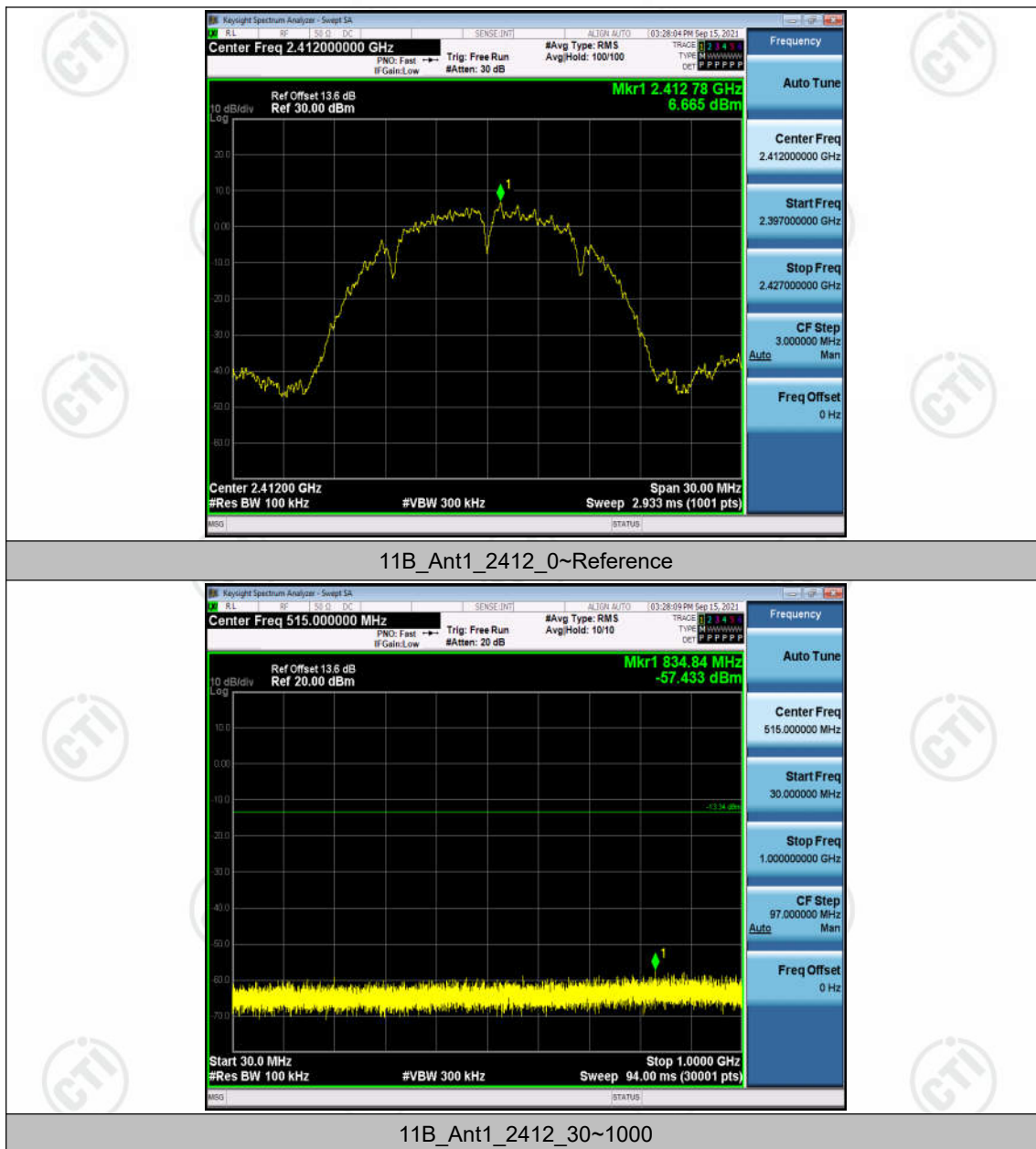
11N40SISO_Ant1_High_2452

Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.67	6.67	---	PASS
			30~1000	30~1000	-57.433	<=-13.335	PASS
			1000~26500	1000~26500	-44.672	<=-13.335	PASS
	Ant1	2437	Reference	6.54	6.54	---	PASS
			30~1000	30~1000	-57.334	<=-13.461	PASS
			1000~26500	1000~26500	-47.714	<=-13.461	PASS
	Ant1	2462	Reference	6.75	6.75	---	PASS
			30~1000	30~1000	-56.783	<=-13.251	PASS
			1000~26500	1000~26500	-41.91	<=-13.251	PASS
11G	Ant1	2412	Reference	-1.49	-1.49	---	PASS
			30~1000	30~1000	-57.008	<=-21.49	PASS
			1000~26500	1000~26500	-44.424	<=-21.49	PASS
	Ant1	2437	Reference	-1.36	-1.36	---	PASS
			30~1000	30~1000	-57.486	<=-21.36	PASS
			1000~26500	1000~26500	-47.87	<=-21.36	PASS
	Ant1	2462	Reference	-1.31	-1.31	---	PASS
			30~1000	30~1000	-57.426	<=-21.309	PASS
			1000~26500	1000~26500	-41.328	<=-21.309	PASS
11N20SISO	Ant1	2412	Reference	-1.33	-1.33	---	PASS
			30~1000	30~1000	-57.677	<=-21.329	PASS
			1000~26500	1000~26500	-44.3	<=-21.329	PASS
	Ant1	2437	Reference	-1.90	-1.90	---	PASS
			30~1000	30~1000	-57.545	<=-21.901	PASS
			1000~26500	1000~26500	-47.884	<=-21.901	PASS
	Ant1	2462	Reference	-1.08	-1.08	---	PASS
			30~1000	30~1000	-58.287	<=-21.078	PASS
			1000~26500	1000~26500	-41.174	<=-21.078	PASS
11N40SISO	Ant1	2422	Reference	-4.59	-4.59	---	PASS
			30~1000	30~1000	-57.275	<=-24.594	PASS
			1000~26500	1000~26500	-45.475	<=-24.594	PASS
	Ant1	2437	Reference	-4.92	-4.92	---	PASS
			30~1000	30~1000	-56.883	<=-24.915	PASS
			1000~26500	1000~26500	-48.992	<=-24.915	PASS
	Ant1	2452	Reference	-4.38	-4.38	---	PASS
			30~1000	30~1000	-57.446	<=-24.375	PASS
			1000~26500	1000~26500	-40.799	<=-24.375	PASS

Test Graphs

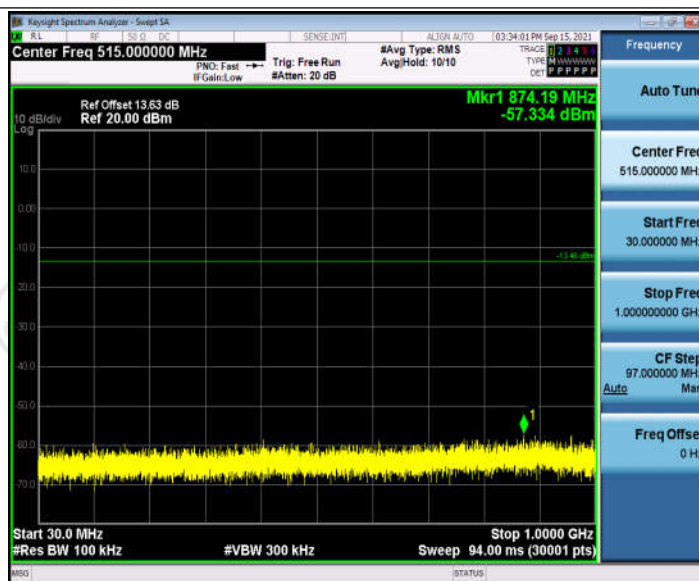




11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



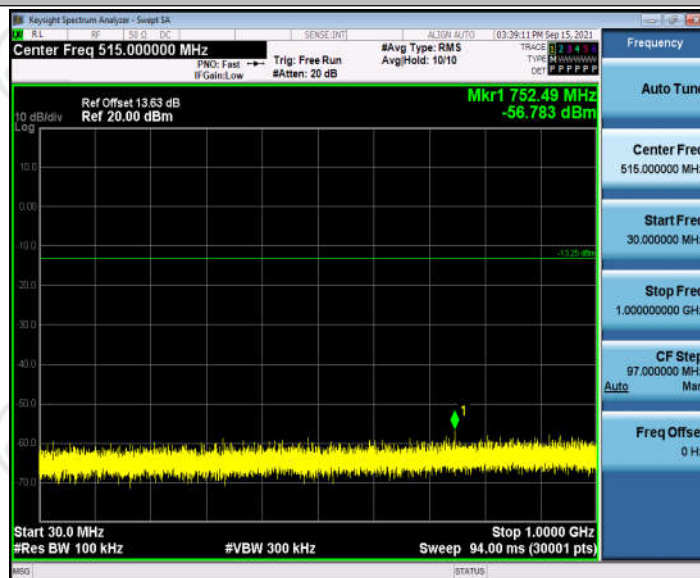
11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



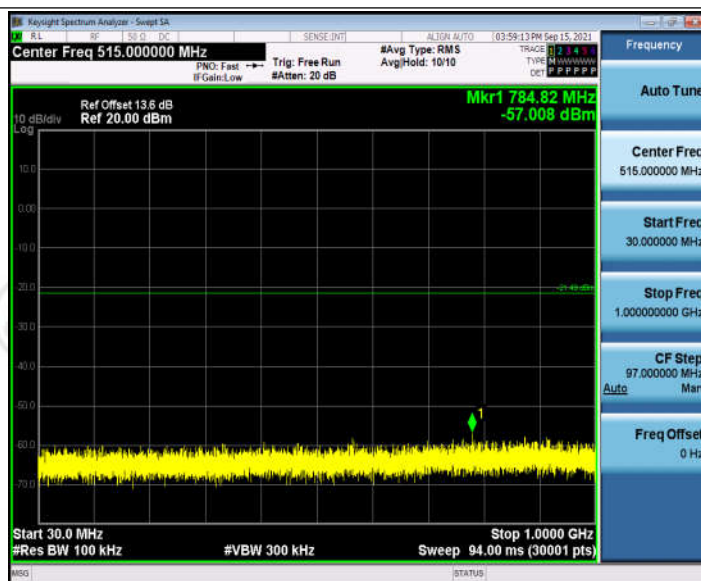
11B_Ant1_2462_30~1000



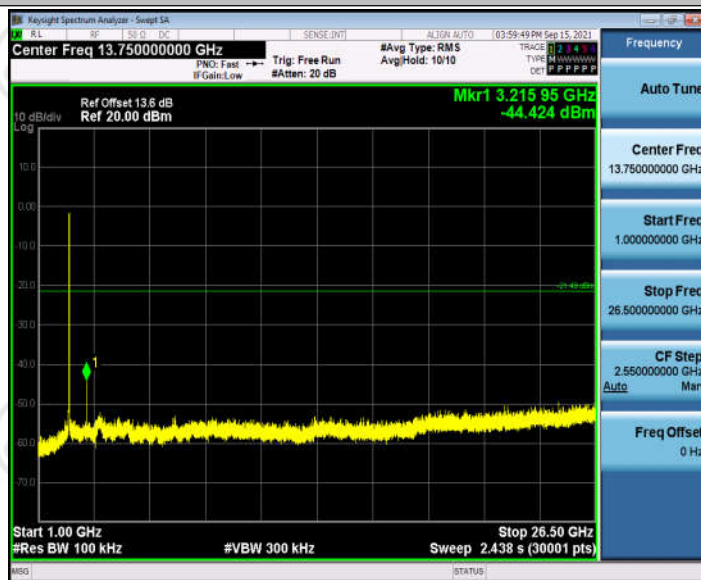
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



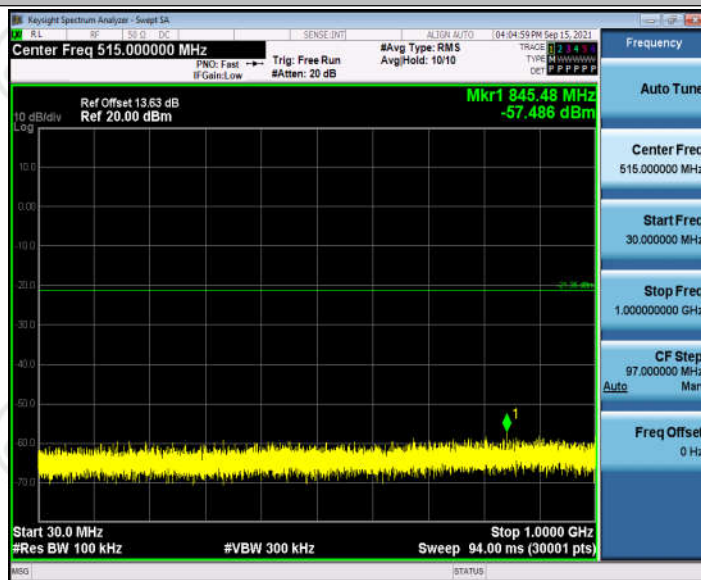
11G_Ant1_2412_30~1000



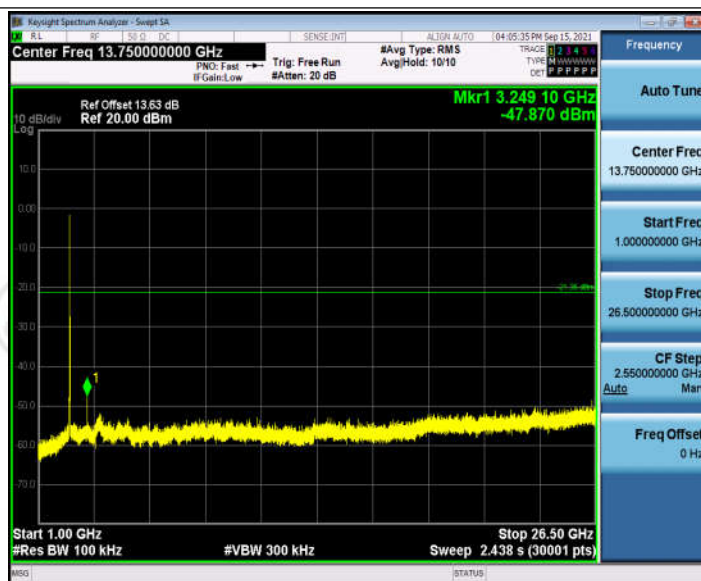
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



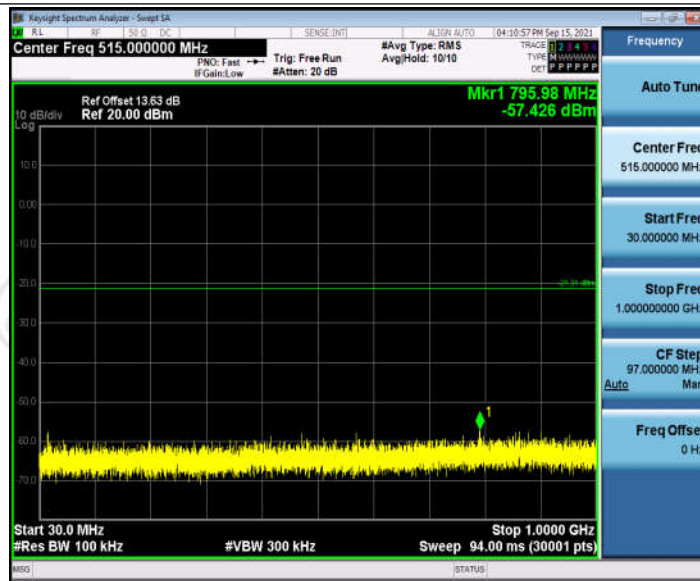
11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



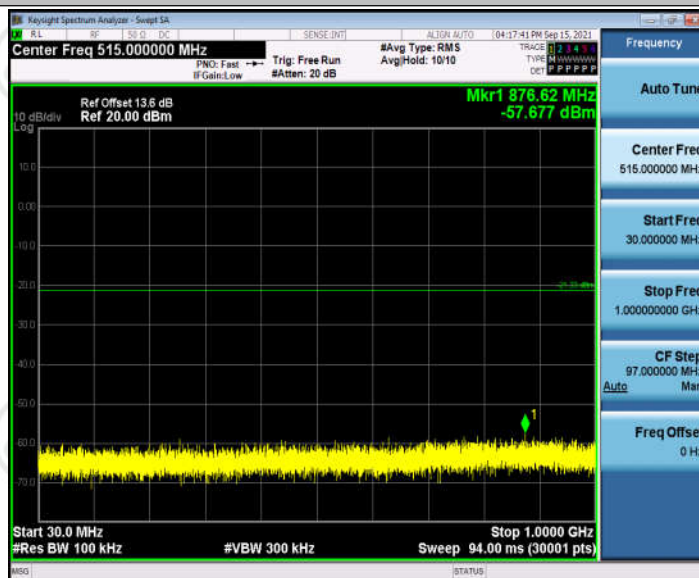
11G_Ant1_2462_30~1000



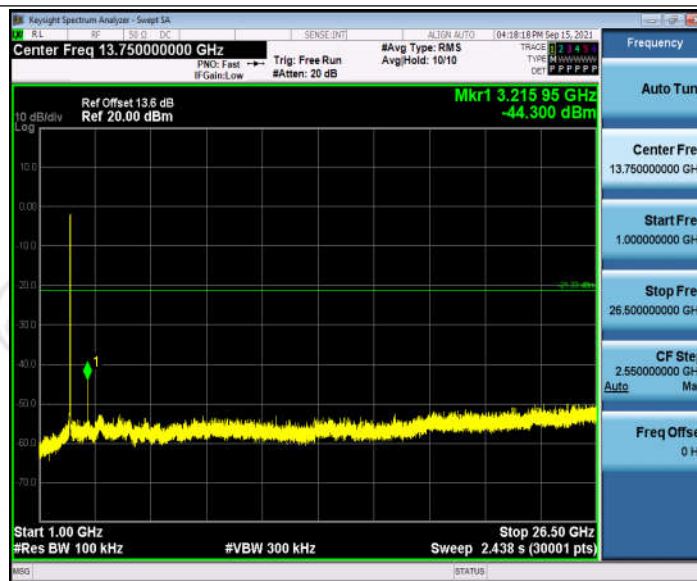
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



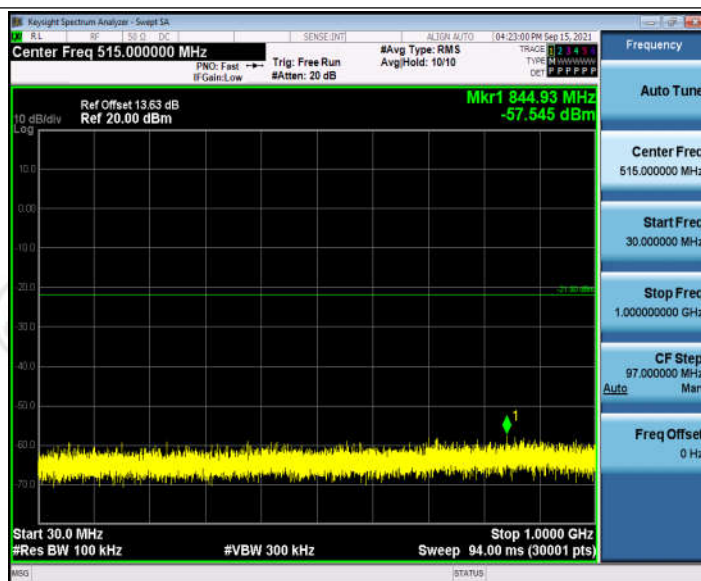
11N20SISO_Ant1_2412_30~1000



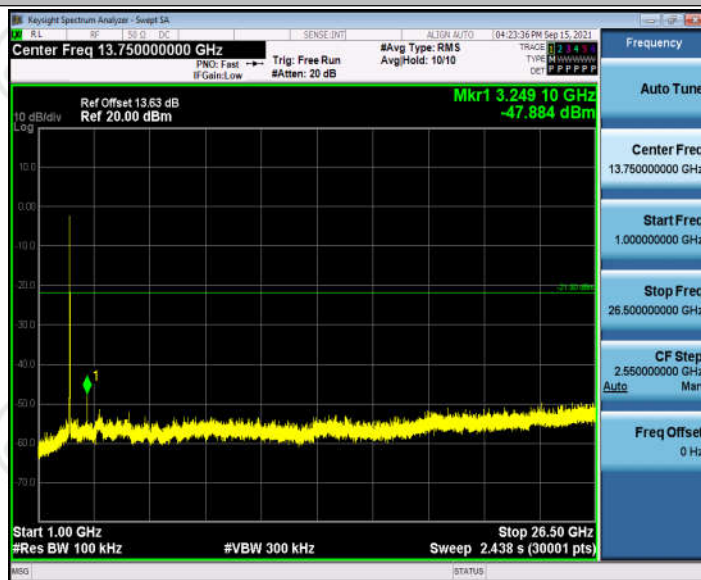
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



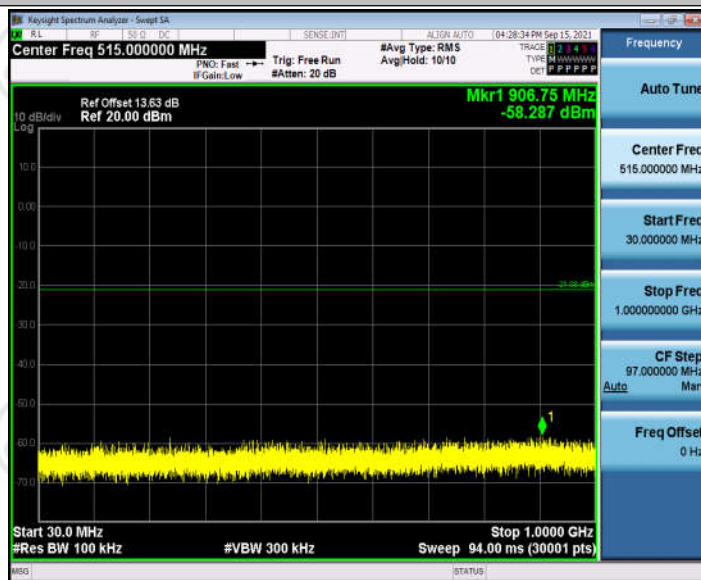
11N20SISO_Ant1_2437_30~1000



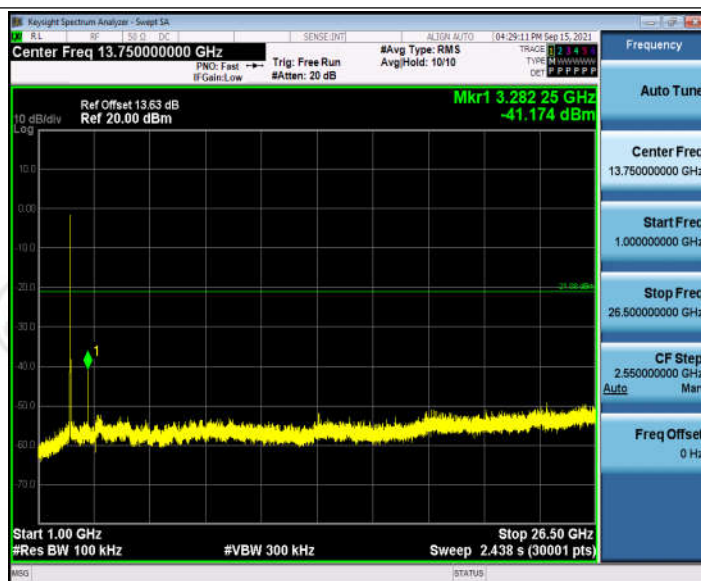
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



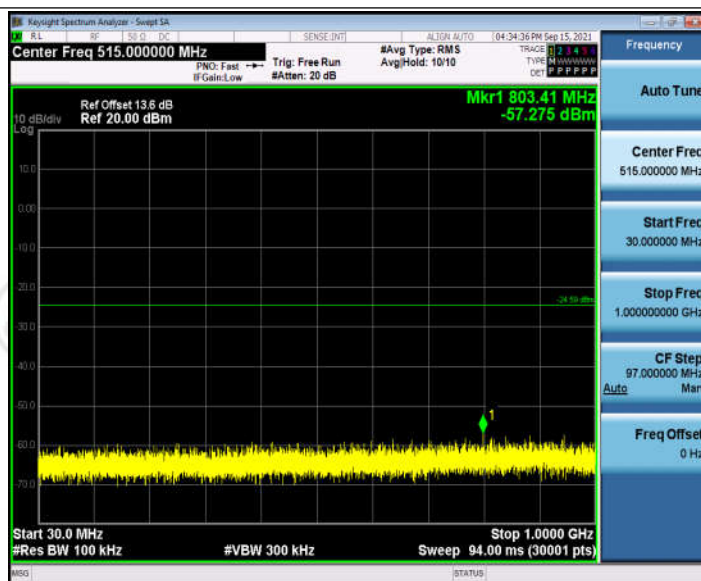
11N20SISO_Ant1_2462_30~1000



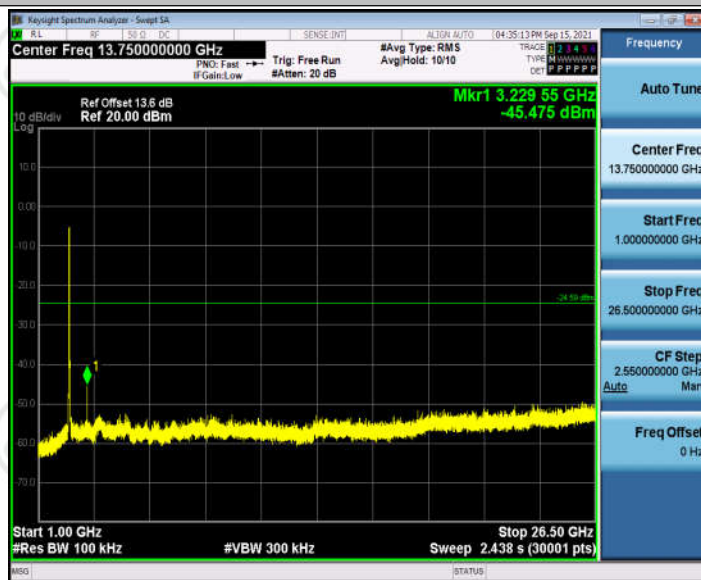
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



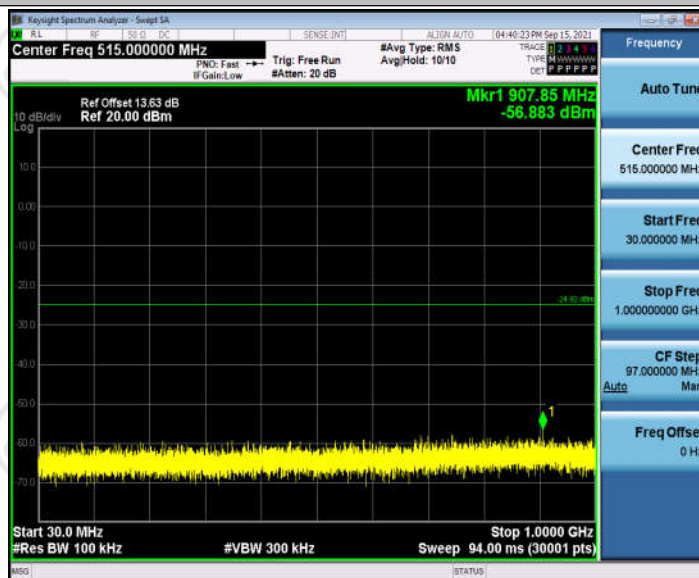
11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



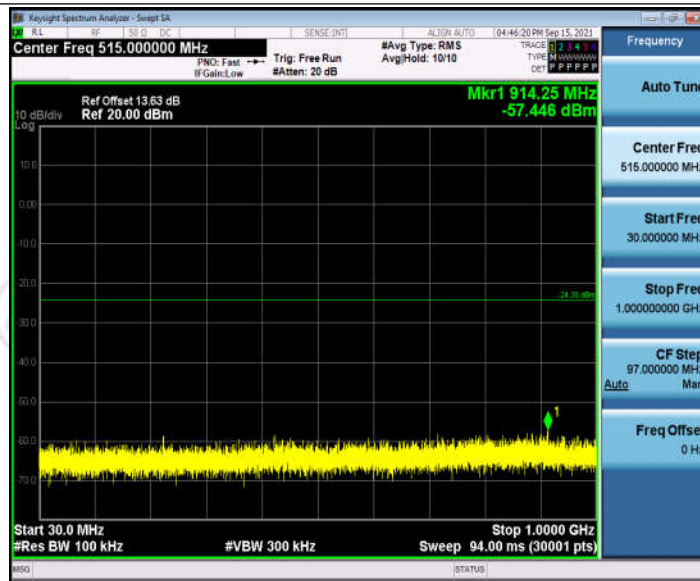
11N40SISO_Ant1_2437_30~1000



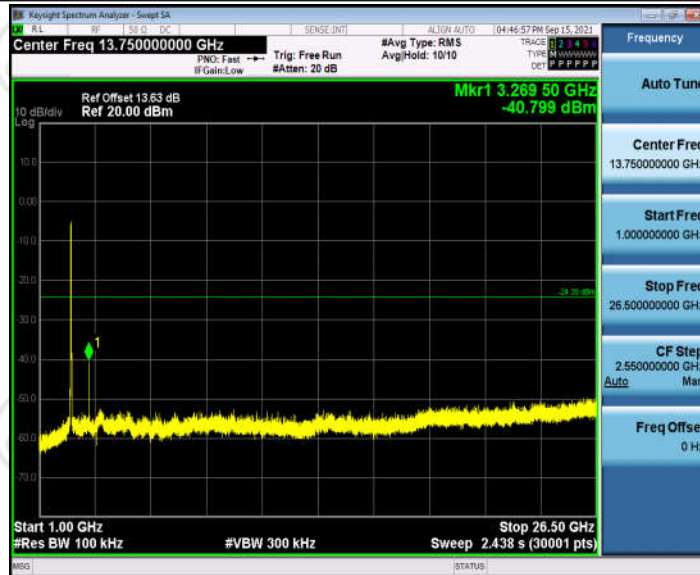
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



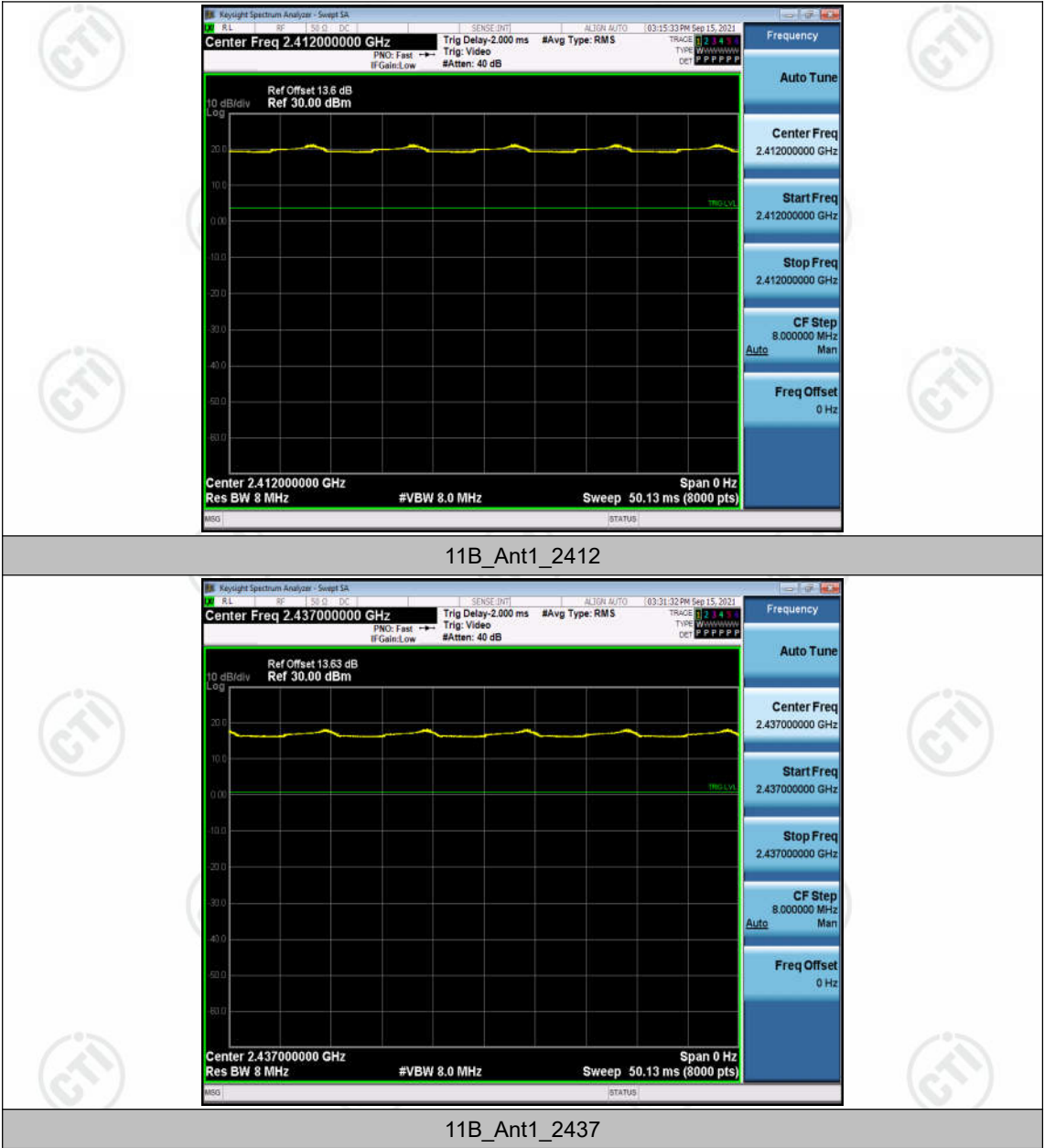
11N40SISO_Ant1_2452_1000~26500

Appendix G: DutyCycle

Test Result

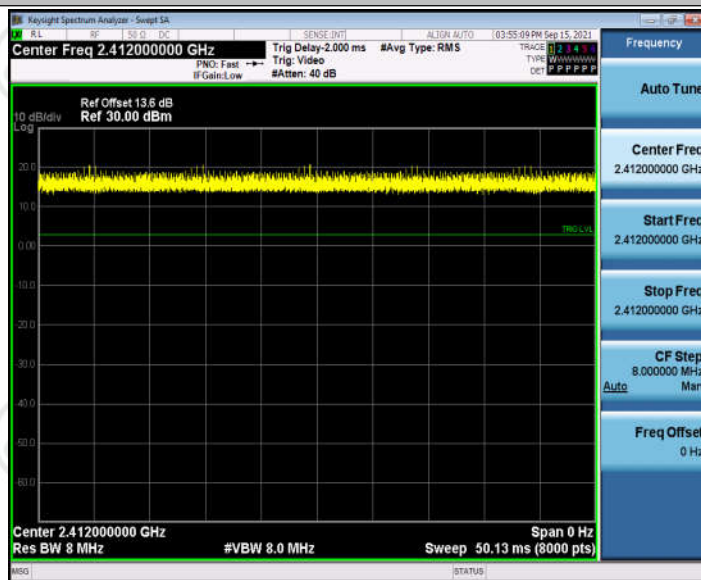
Test Mode	Antenna	Channel	TransmissionDuration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	50.00	50.00	100.00	---	PASS
	Ant1	2437	50.00	50.00	100.00	---	PASS
	Ant1	2462	50.00	50.00	100.00	---	PASS
11G	Ant1	2412	50.00	50.00	100.00	---	PASS
	Ant1	2437	50.00	50.00	100.00	---	PASS
	Ant1	2462	50.00	50.00	100.00	---	PASS
11N20SIS O	Ant1	2412	50.00	50.00	100.00	---	PASS
	Ant1	2437	50.00	50.00	100.00	---	PASS
	Ant1	2462	50.00	50.00	100.00	---	PASS
11N40SIS O	Ant1	2422	50.00	50.00	100.00	---	PASS
	Ant1	2437	50.00	50.00	100.00	---	PASS
	Ant1	2452	50.00	50.00	100.00	---	PASS

Test Graphs

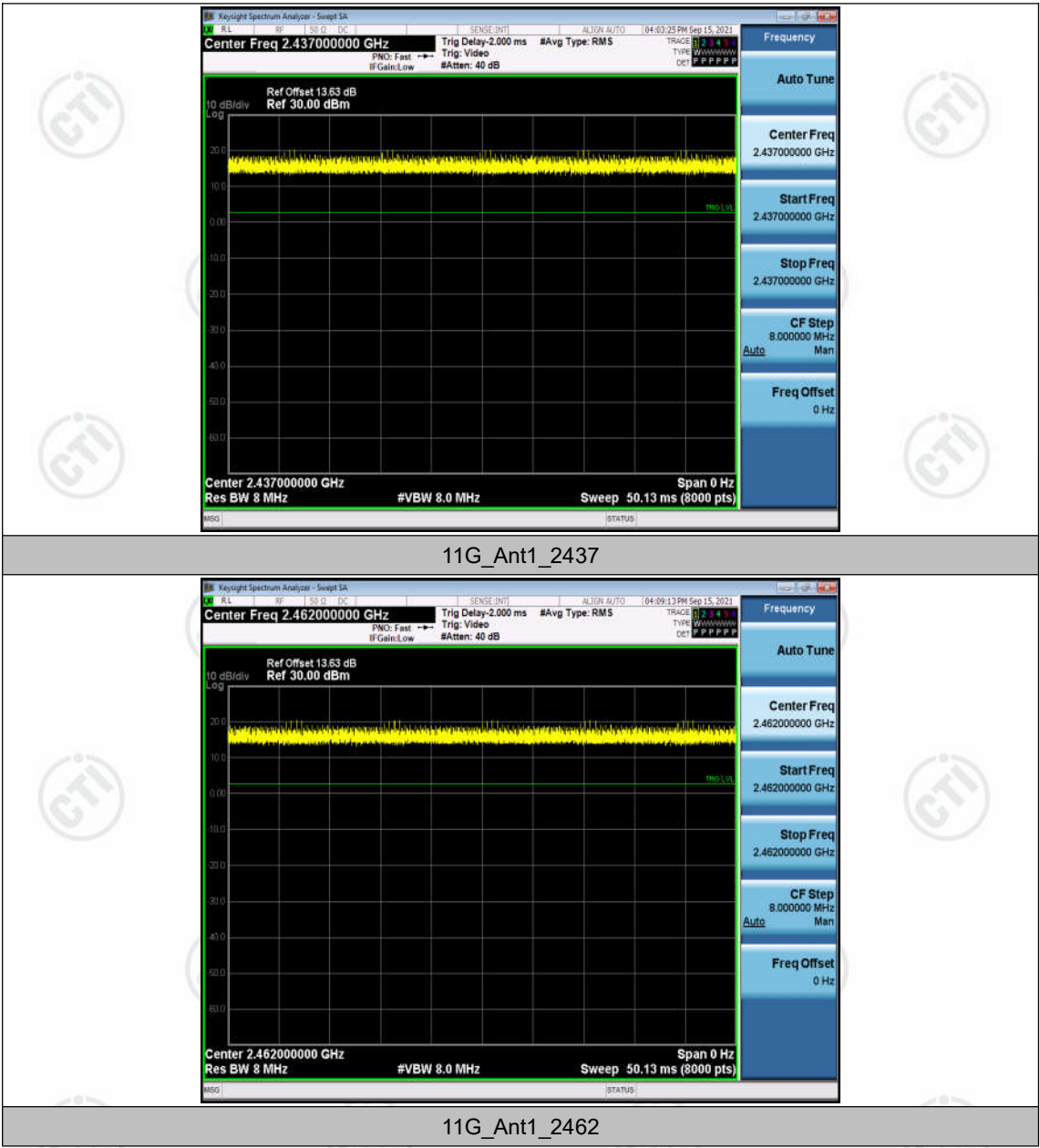


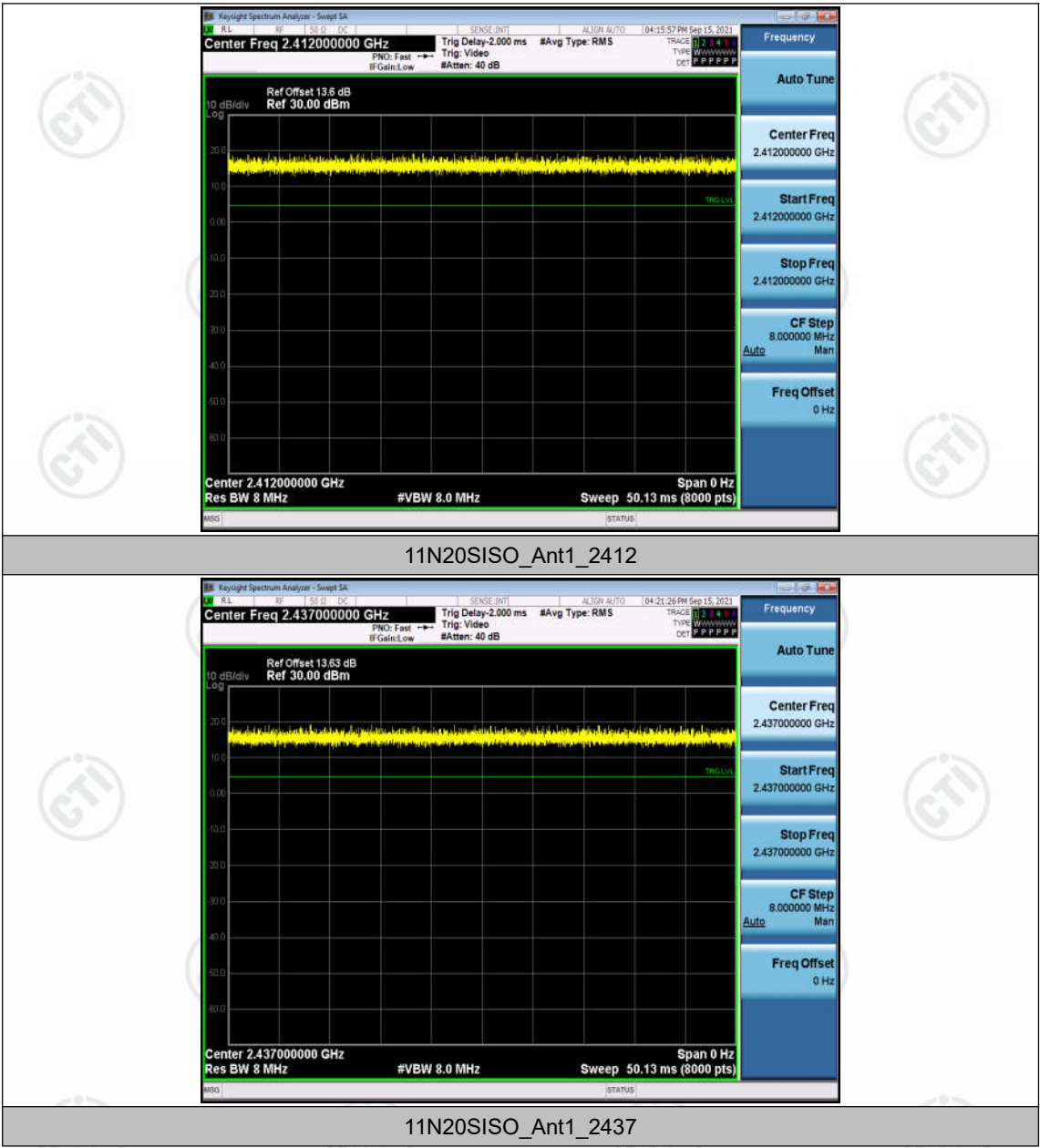


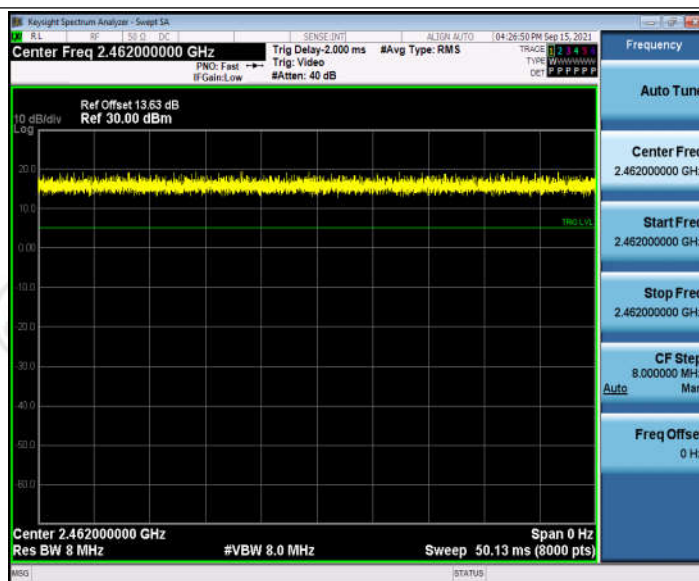
11B_Ant1_2462



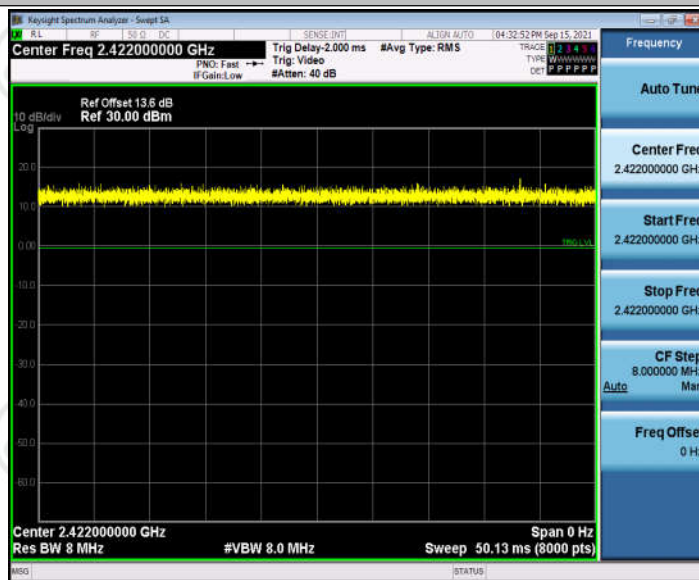
11G_Ant1_2412



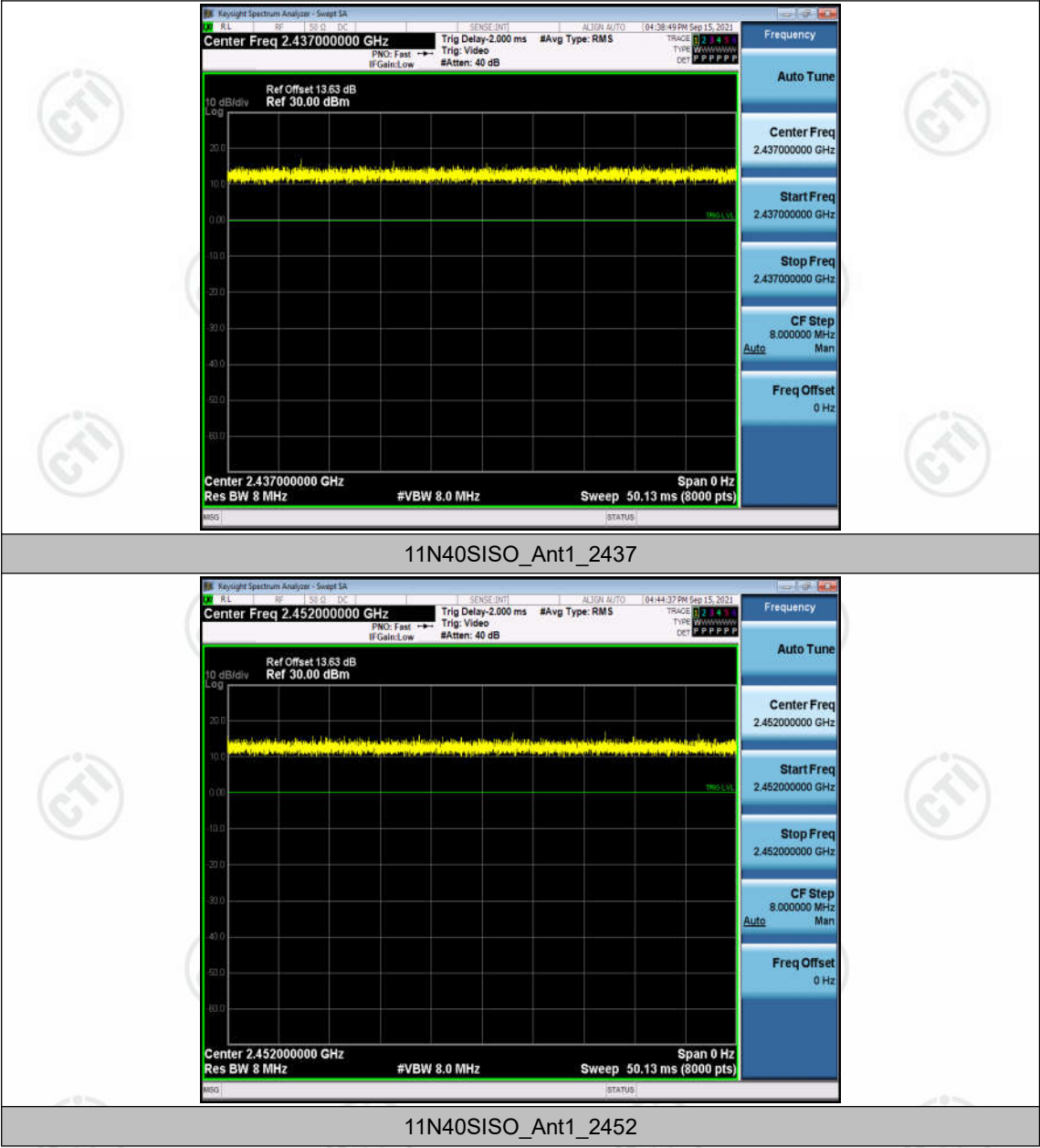




11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



*** End of Report ***