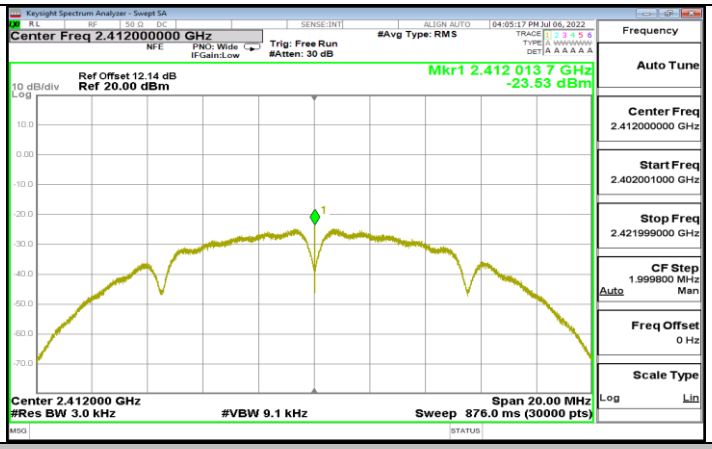
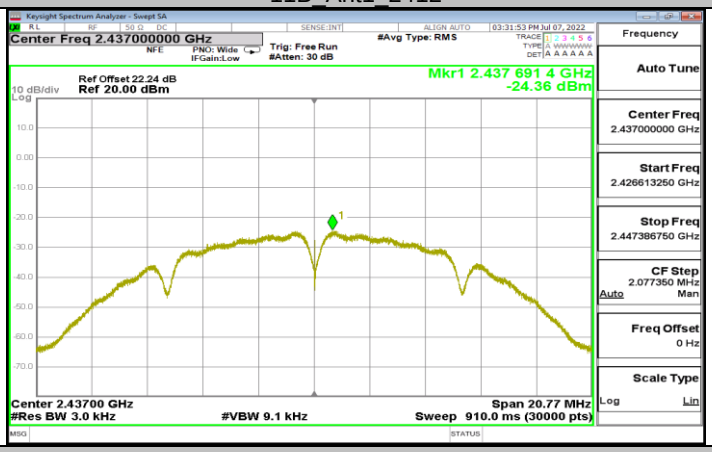
11.4.2. Test Graphs

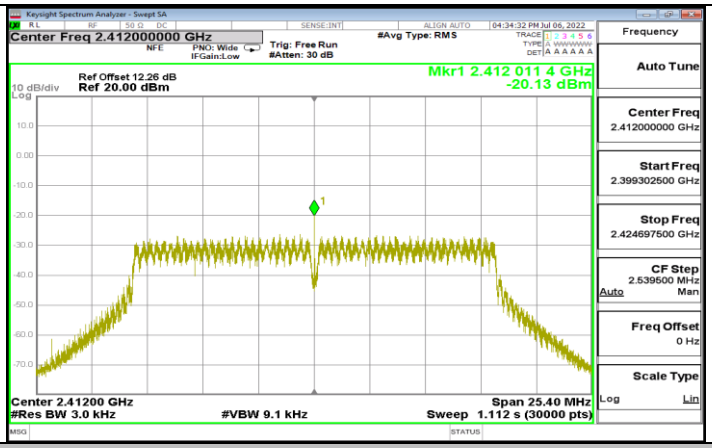


11B_Ant1_2412

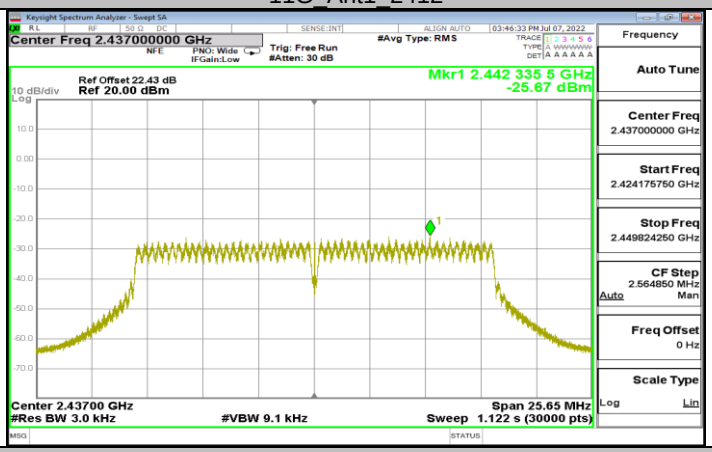


11B_Ant1_2437

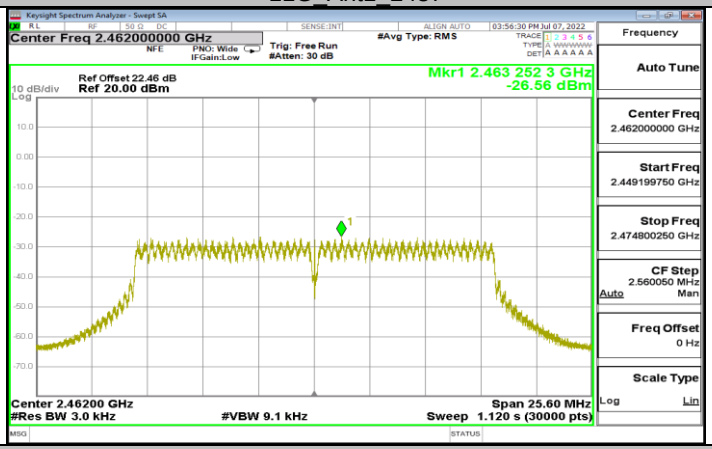
11B_Ant1_2462



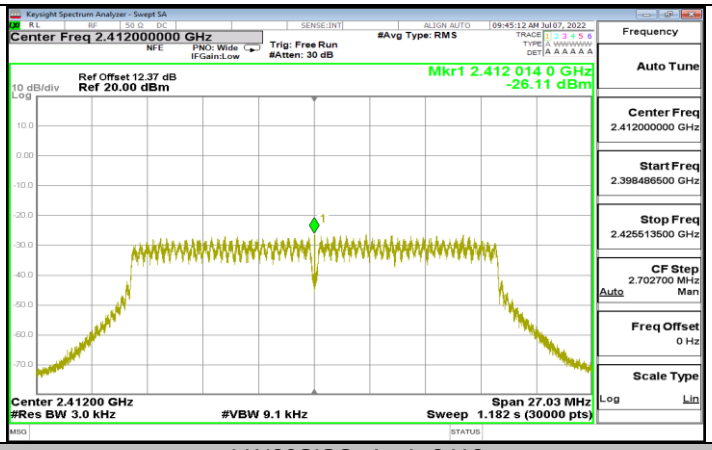
11G_Ant1_2412



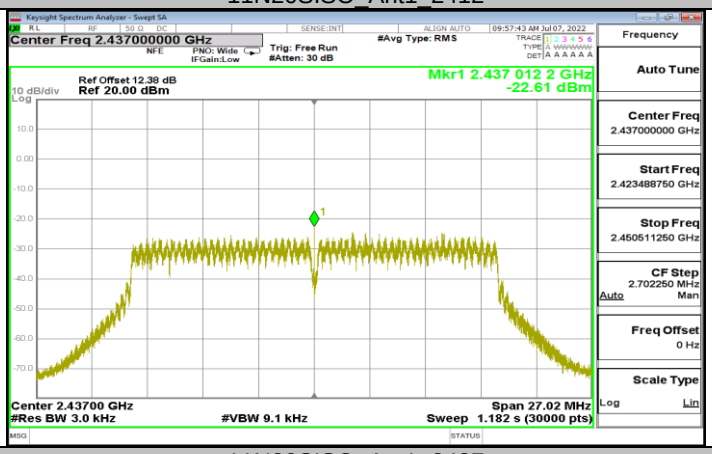
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



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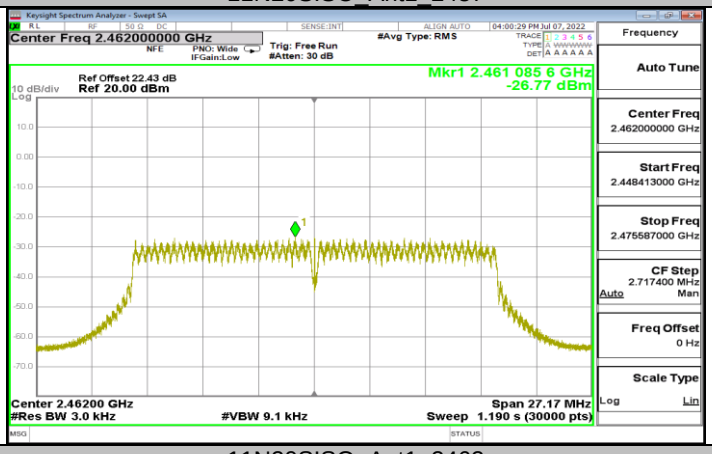
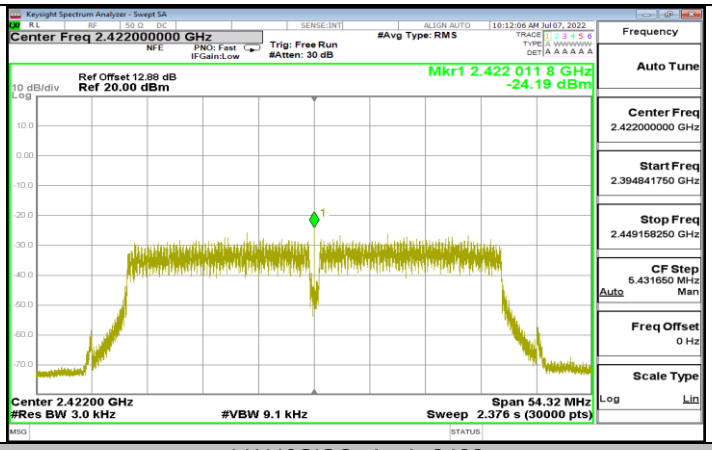
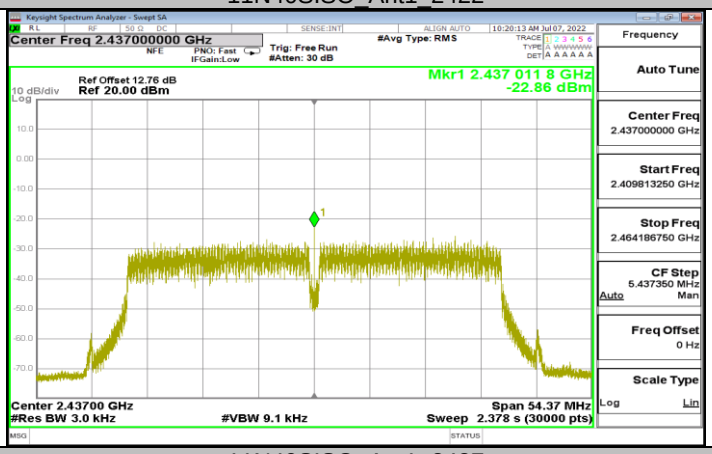


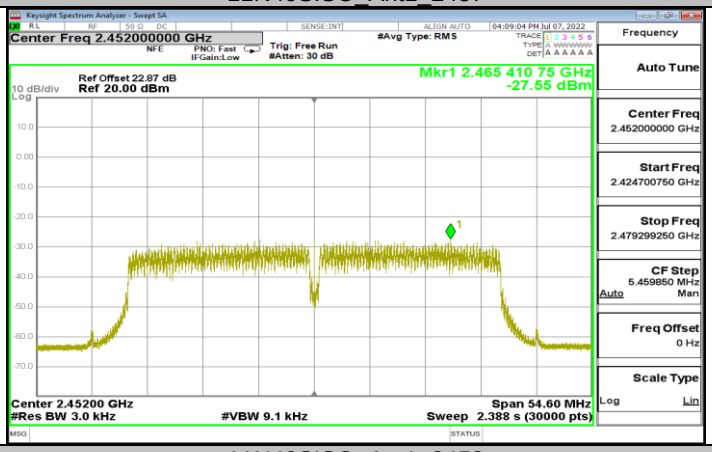
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



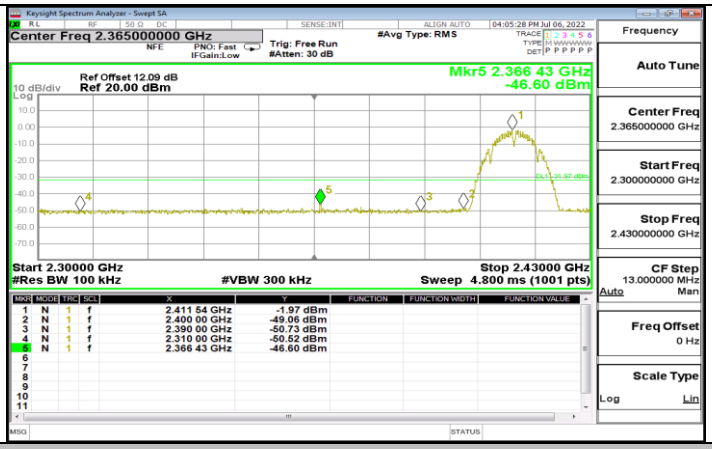
11N40SISO_Ant1_2452

11.5. APPENDIX E: BAND EDGE MEASUREMENTS

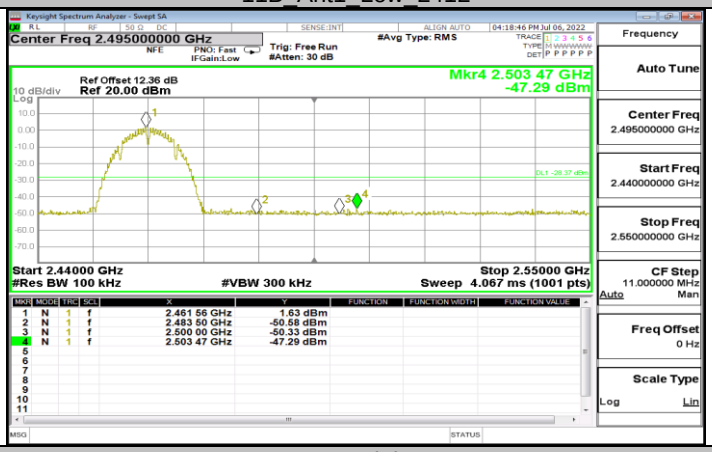
11.5.1. Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-1.97	-46.6	≤-31.97	PASS
		High	2462	1.63	-47.29	≤-28.37	PASS
11G	Ant1	Low	2412	-5.68	-45.05	≤-35.68	PASS
		High	2462	-2.72	-43.61	≤-32.72	PASS
11N20SISO	Ant1	Low	2412	-4.76	-44.1	≤-34.76	PASS
		High	2462	-2.25	-44.03	≤-32.25	PASS
11N40SISO	Ant1	Low	2422	-6.86	-43.78	≤-36.86	PASS
		High	2452	-5.24	-44.23	≤-35.24	PASS

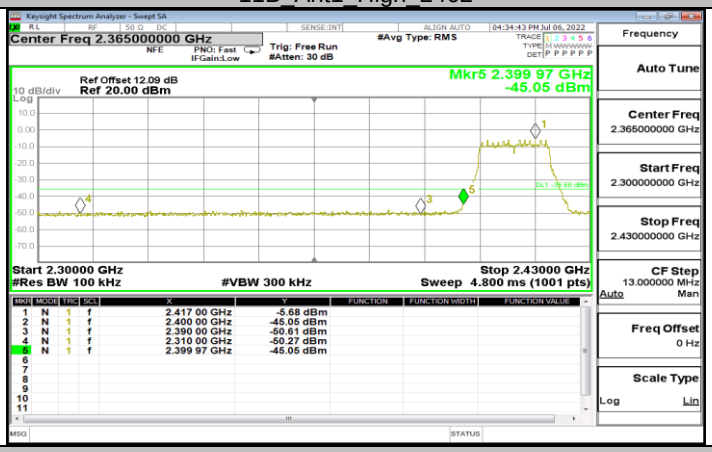
11.5.2. Test Graphs



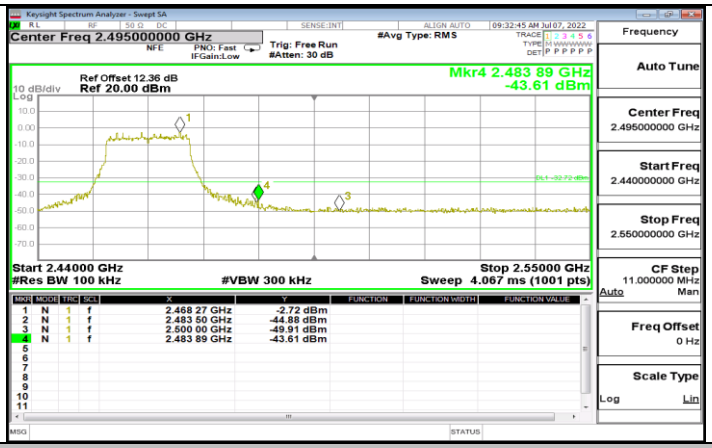
11B_Ant1_Low_2412



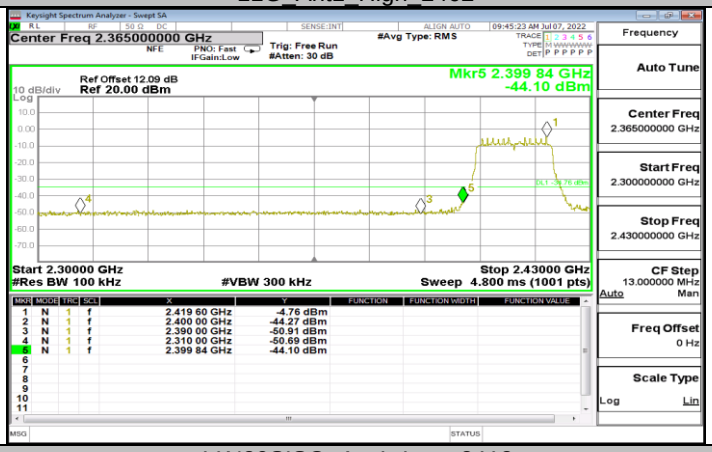
11B_Ant1_High_2462



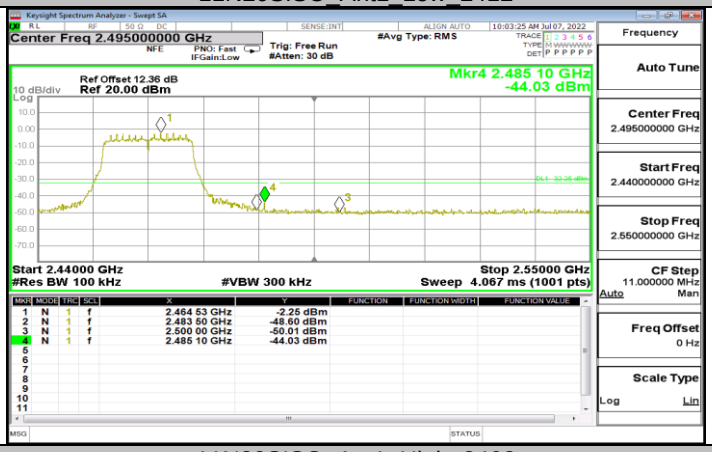
11G_Ant1_Low_2412



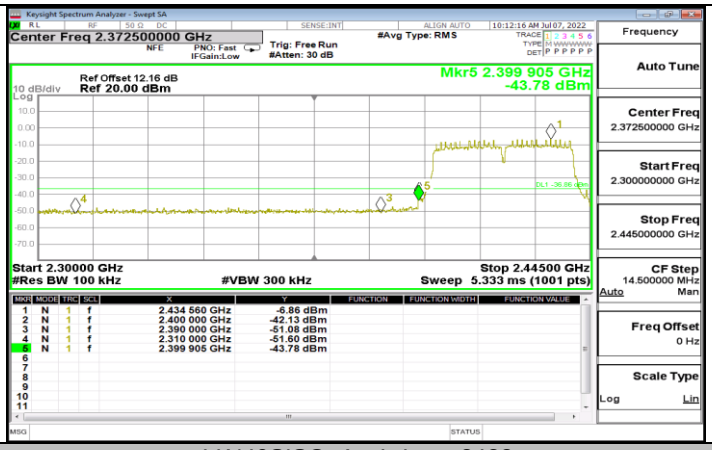
11G_Ant1_High_2462



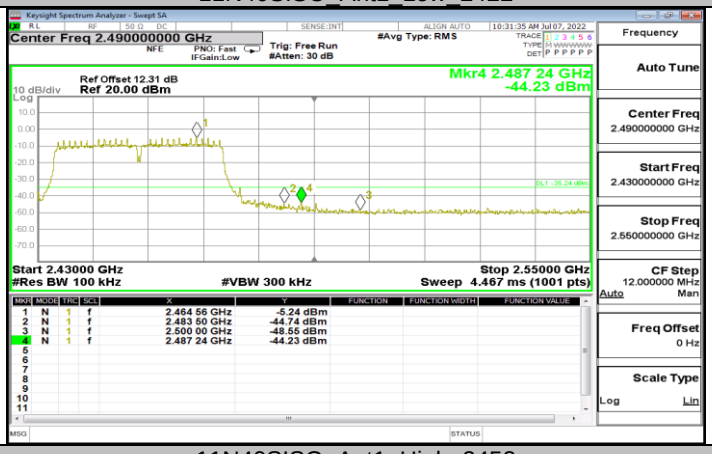
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



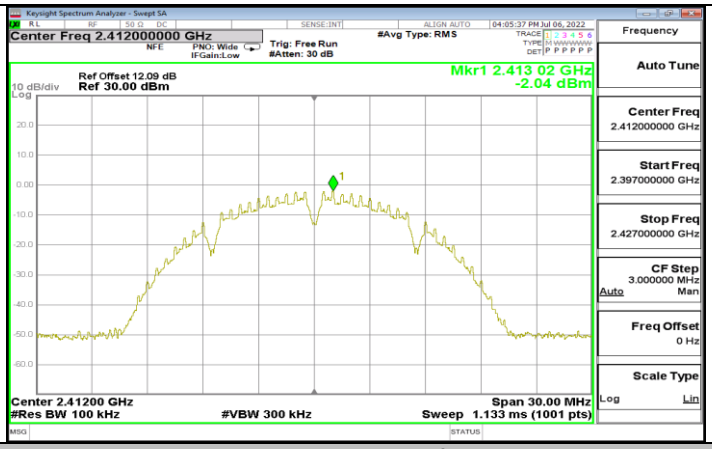
11N40SISO_Ant1_High_2452

11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

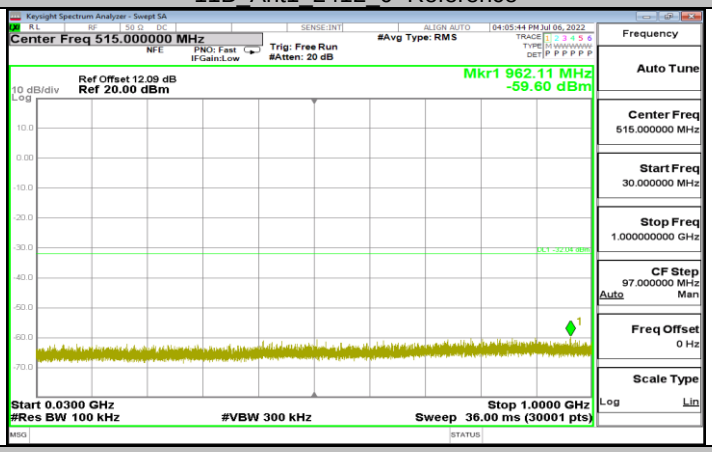
11.6.1. Test Result

Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-2.04	---	PASS
			30~1000	-59.61	≤-32.04	PASS
			1000~26500	-48.31	≤-32.04	PASS
		2437	Reference	-0.29	---	PASS
			30~1000	-60.05	≤-30.29	PASS
			1000~26500	-45.67	≤-30.29	PASS
		2462	Reference	1.62	---	PASS
			30~1000	-59.96	≤-28.38	PASS
			1000~26500	-42.37	≤-28.38	PASS
11G	Ant1	2412	Reference	-5.69	---	PASS
			30~1000	-58.86	≤-35.69	PASS
			1000~26500	-52.01	≤-35.69	PASS
		2437	Reference	-3.72	---	PASS
			30~1000	-59.57	≤-33.72	PASS
			1000~26500	-51.46	≤-33.72	PASS
		2462	Reference	-2.28	---	PASS
			30~1000	-59.2	≤-32.28	PASS
			1000~26500	-51.22	≤-32.28	PASS
11N20SISO	Ant1	2412	Reference	-4.77	---	PASS
			30~1000	-59.37	≤-34.77	PASS
			1000~26500	-49.33	≤-34.77	PASS
		2437	Reference	-4.07	---	PASS
			30~1000	-59.09	≤-34.07	PASS
			1000~26500	-51.7	≤-34.07	PASS
		2462	Reference	-2.04	---	PASS
			30~1000	-59.07	≤-32.04	PASS
			1000~26500	-51.52	≤-32.04	PASS
11N40SISO	Ant1	2422	Reference	-6.96	---	PASS
			30~1000	-60.06	≤-36.96	PASS
			1000~26500	-50.97	≤-36.96	PASS
		2437	Reference	-6.98	---	PASS
			30~1000	-59.43	≤-36.98	PASS
			1000~26500	-51.31	≤-36.98	PASS
		2452	Reference	-5.44	---	PASS
			30~1000	-59.32	≤-35.44	PASS
			1000~26500	-51.41	≤-35.44	PASS

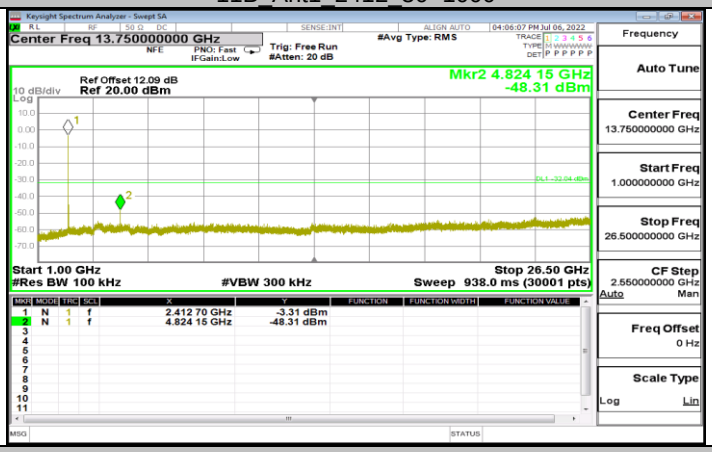
11.6.2. Test Graphs



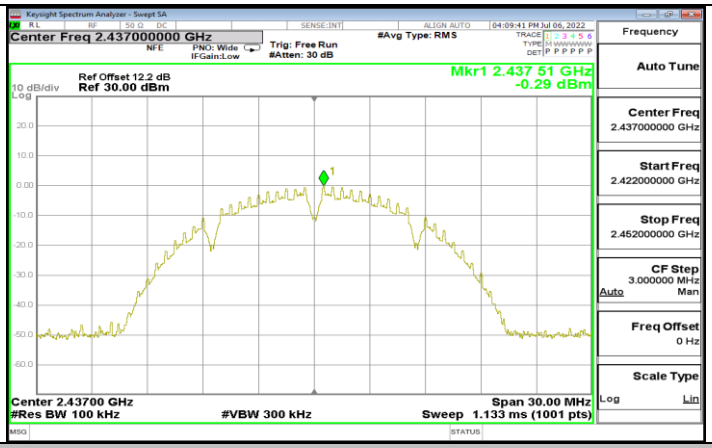
11B_Ant1_2412_0~Reference



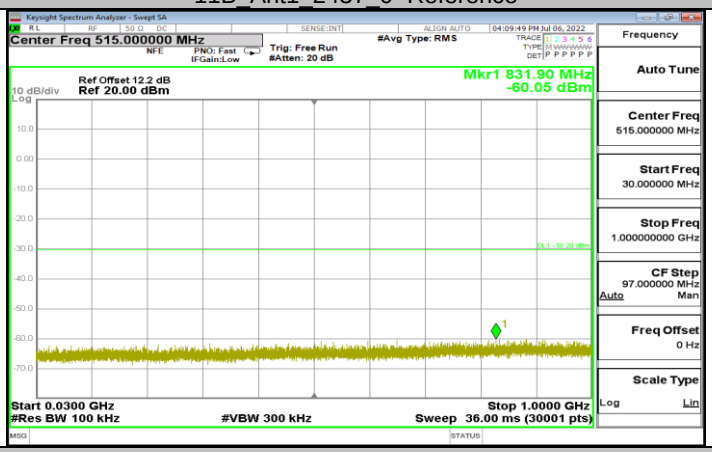
11B_Ant1_2412_30~1000



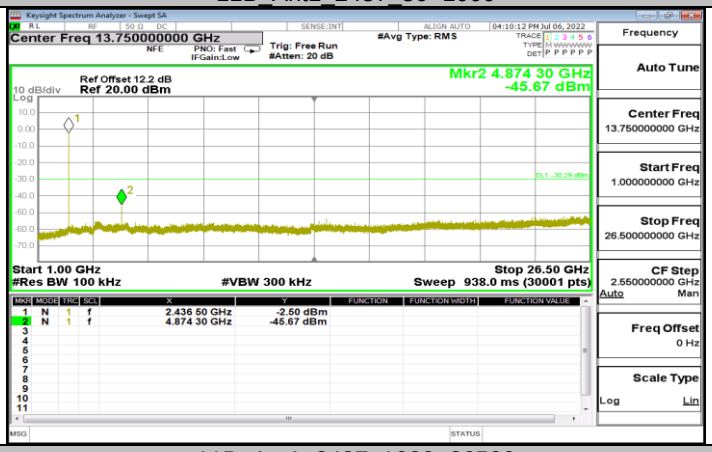
11B_Ant1_2412_1000~26500



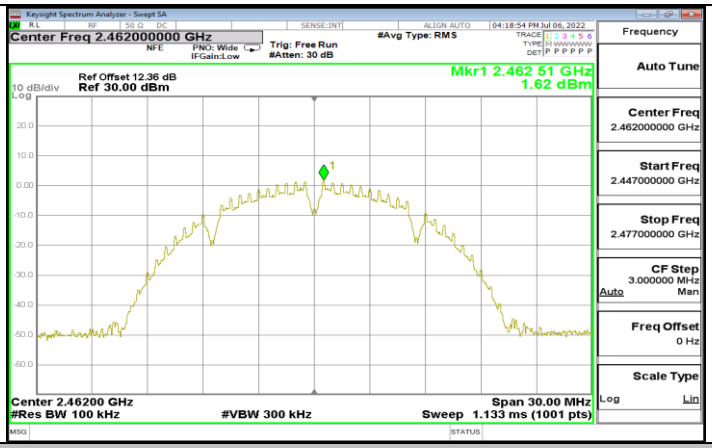
11B_Ant1_2437_0~Reference



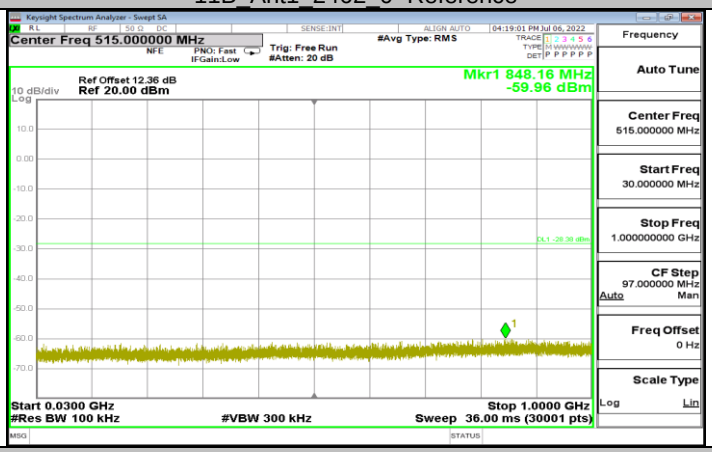
11B_Ant1_2437_30~1000



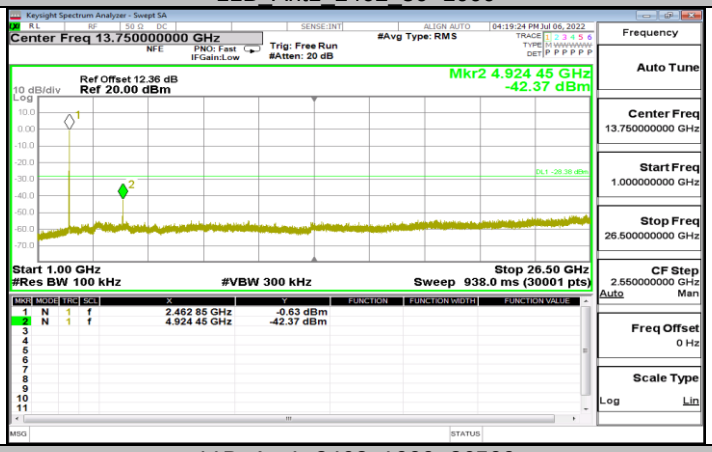
11B_Ant1_2437_1000~26500



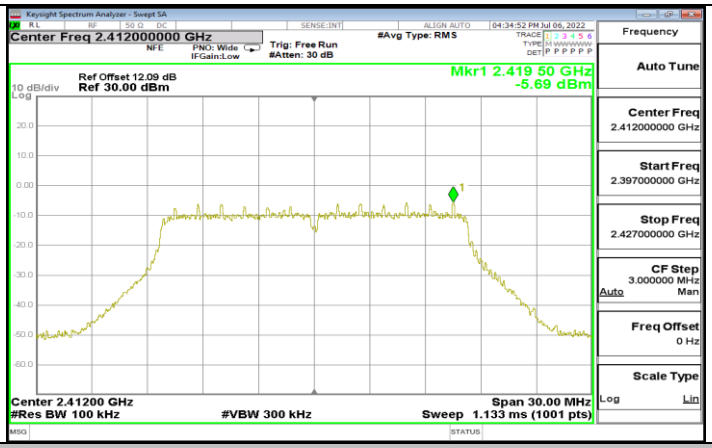
11B_Ant1_2462_0~Reference



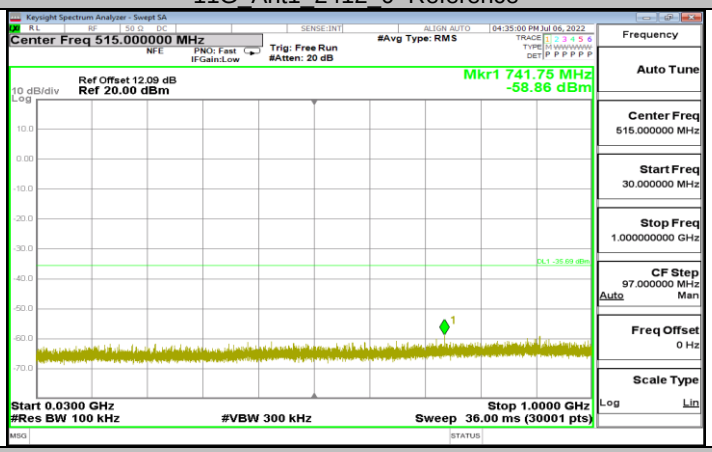
11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



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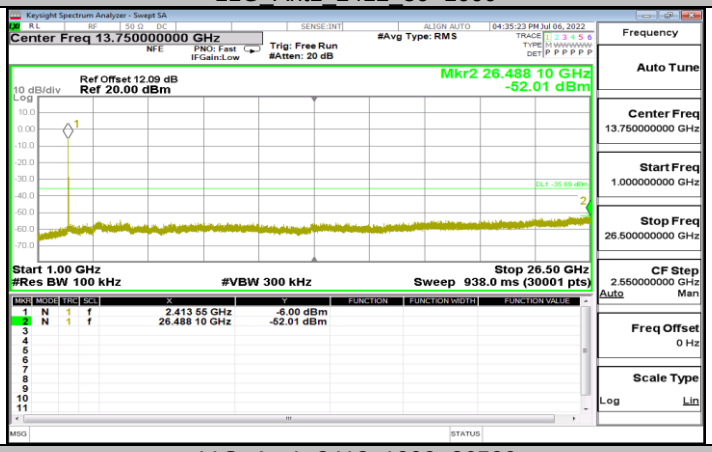
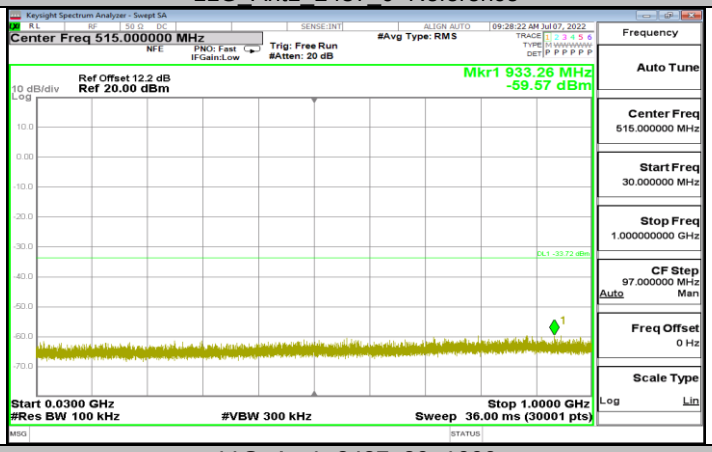


11G_Ant1_2412_1000~26500

11G_Ant1_2437_0~Reference



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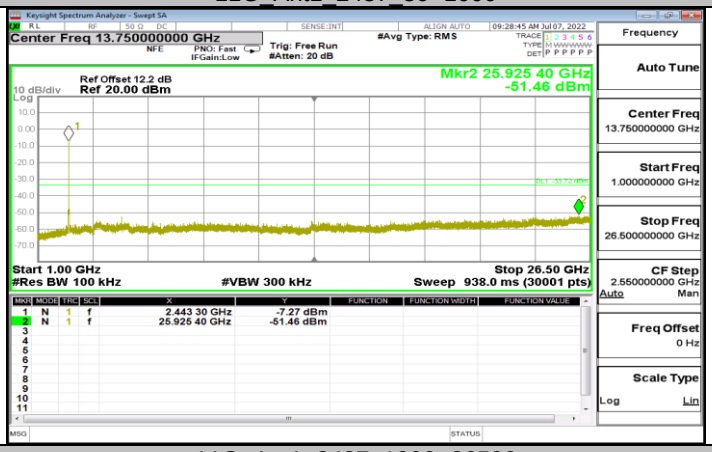
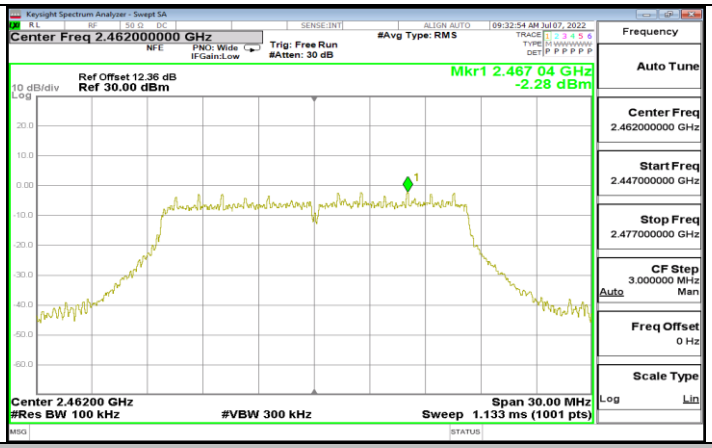
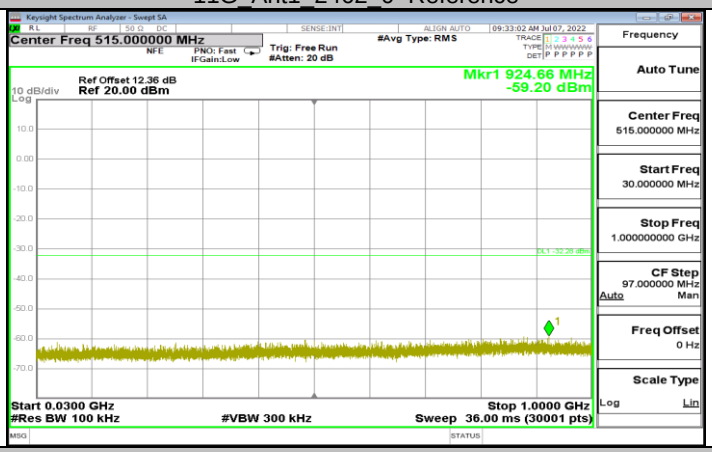


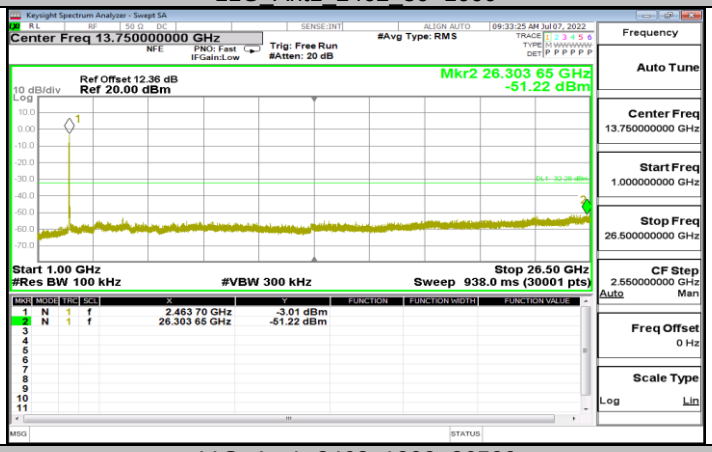
11G_Ant1_2437_1000~26500



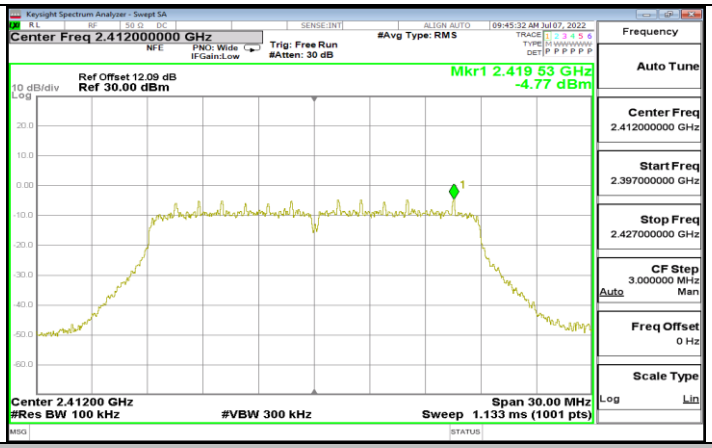
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



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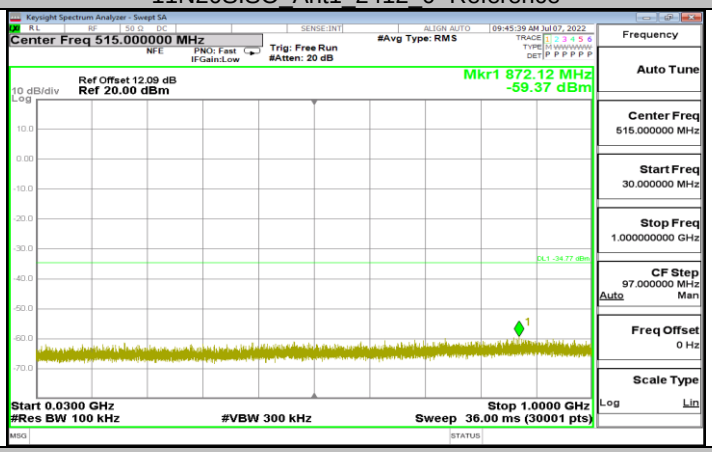
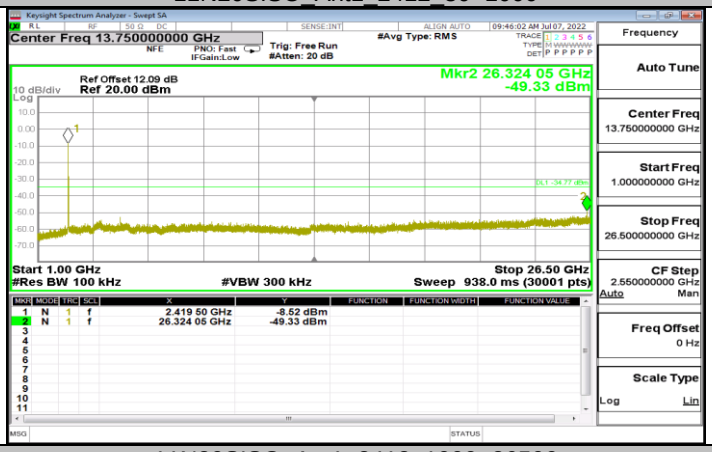


11N20SISO_Ant1_2412_30~1000



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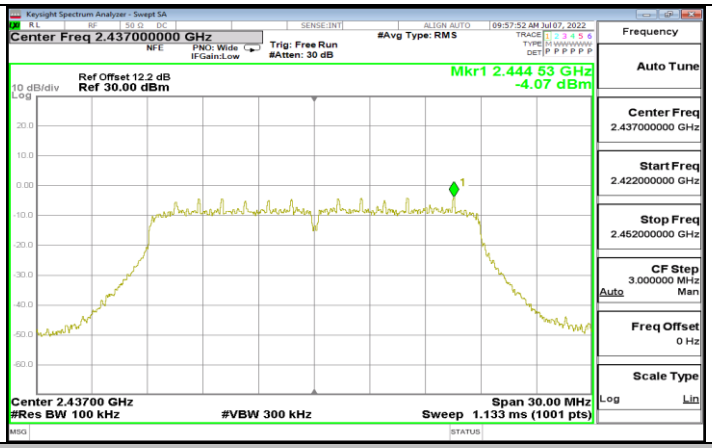

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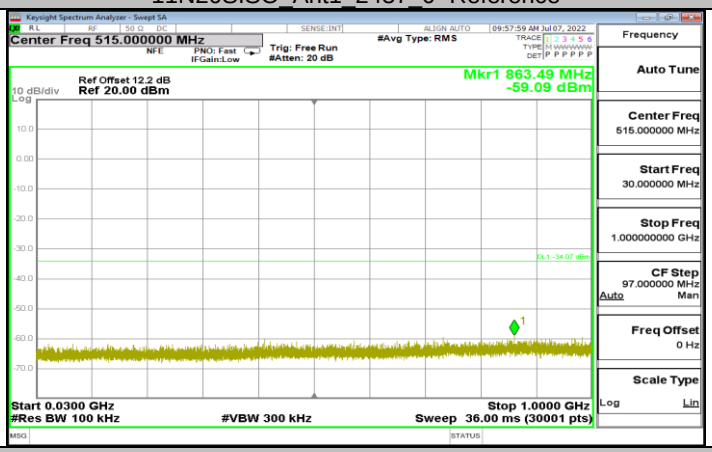
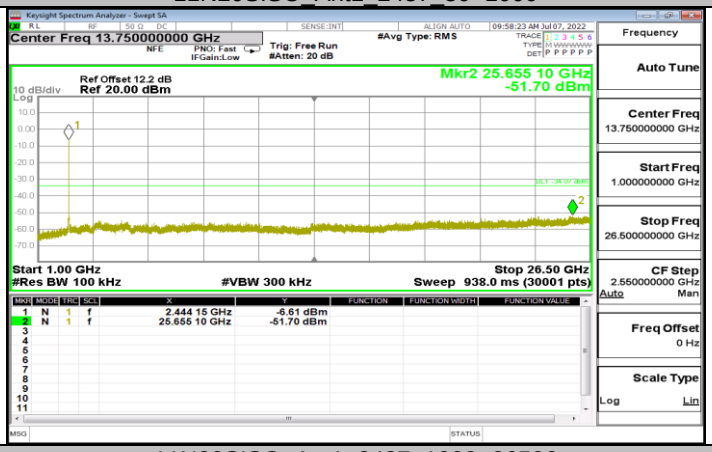
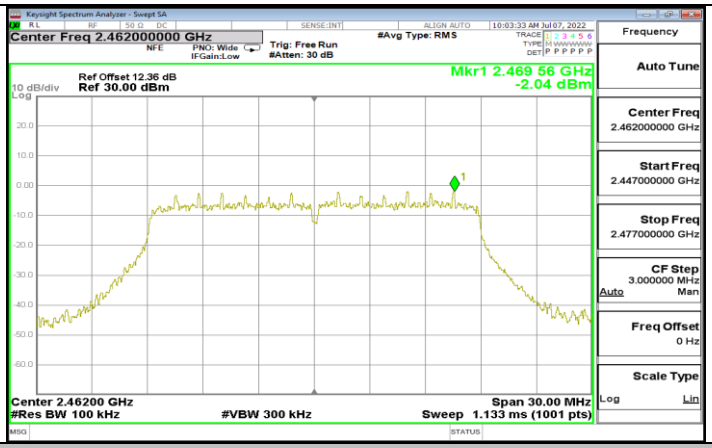


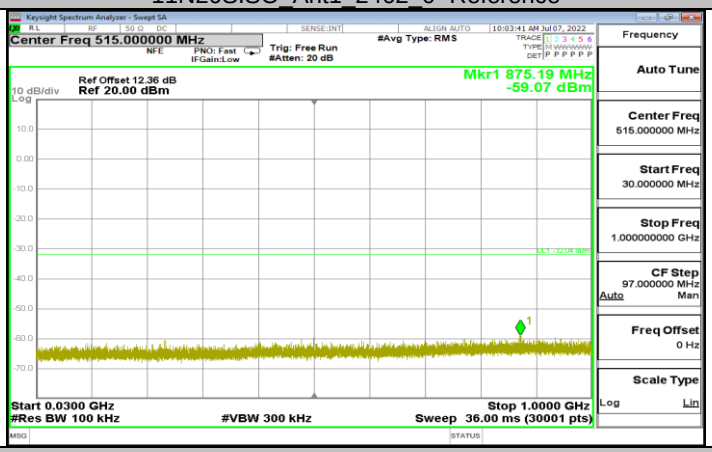
11N20SISO_Ant1_2437_30~1000



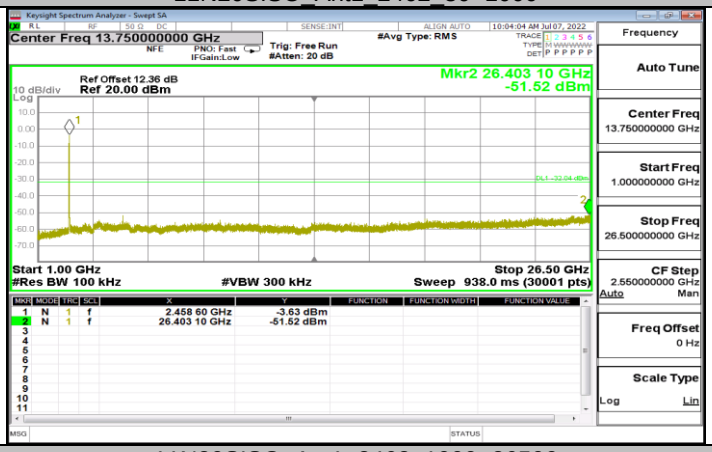
11N20SISO_Ant1_2437_1000~26500



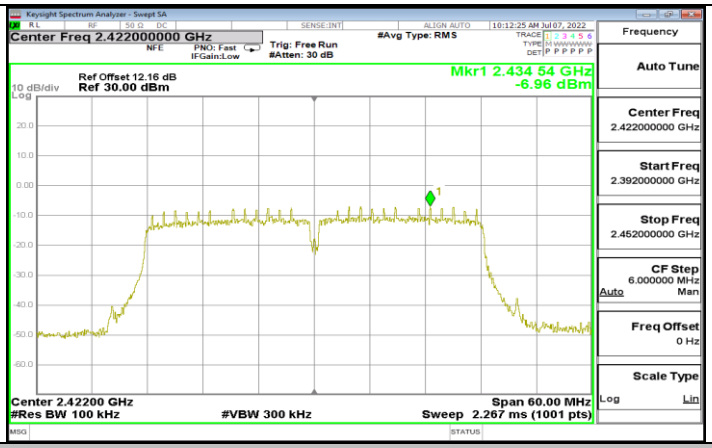
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



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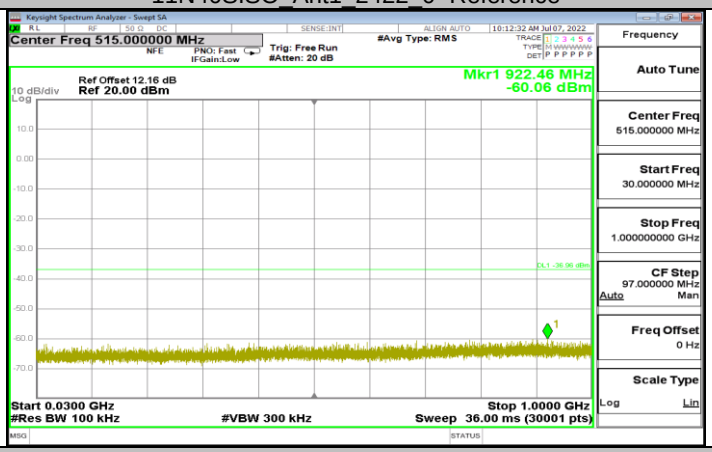

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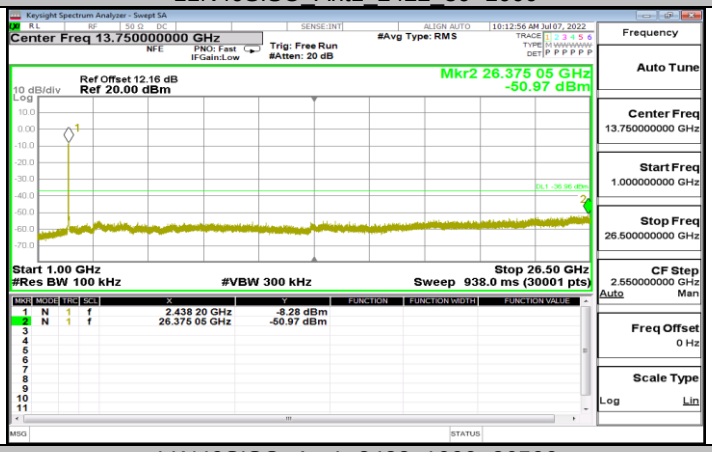

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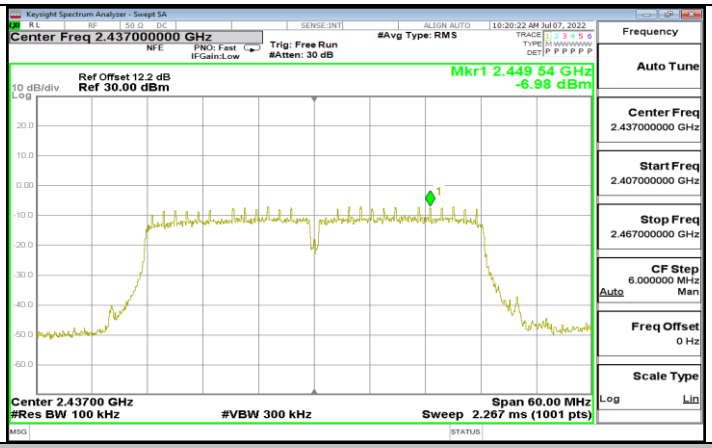
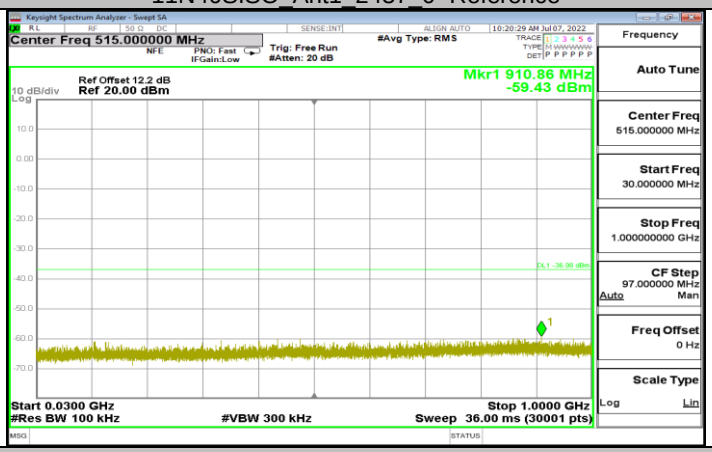
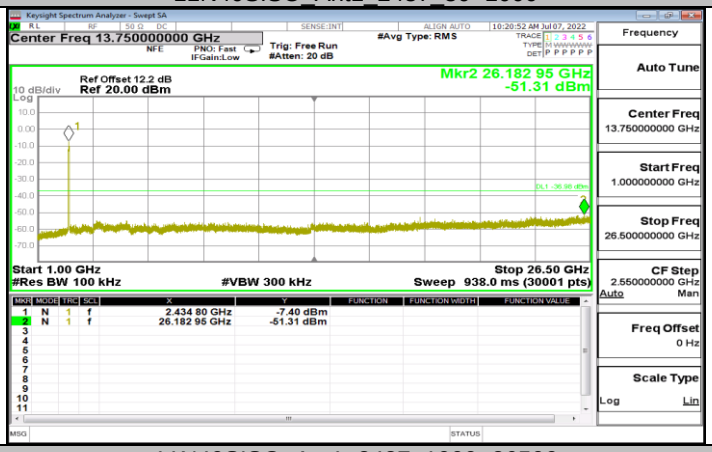


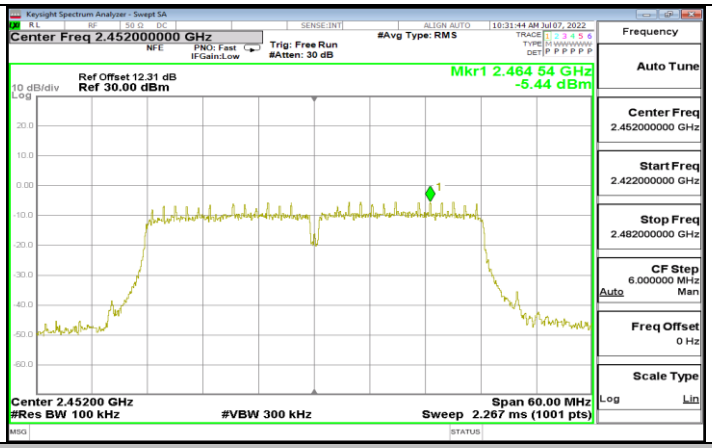
11N40SISO_Ant1_2437_0~Reference



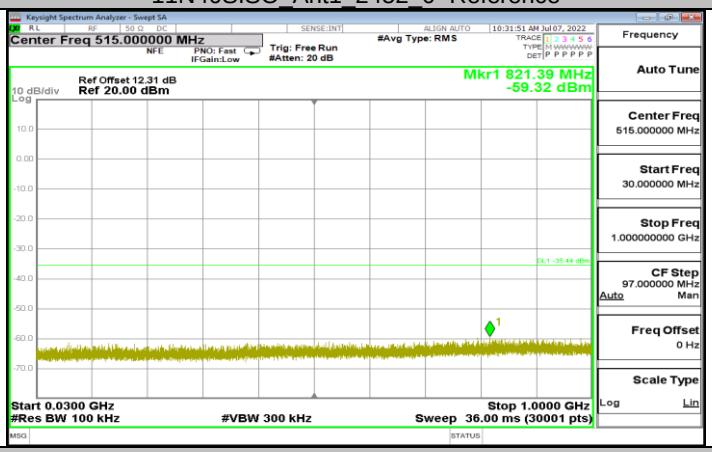
11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



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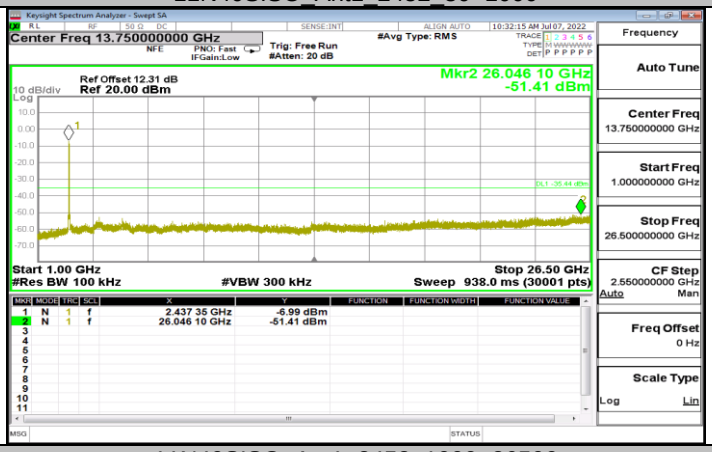


11N40SISO_Ant1_2452_1000~26500

11.7. APPENDIX G: DUTY CYCLE

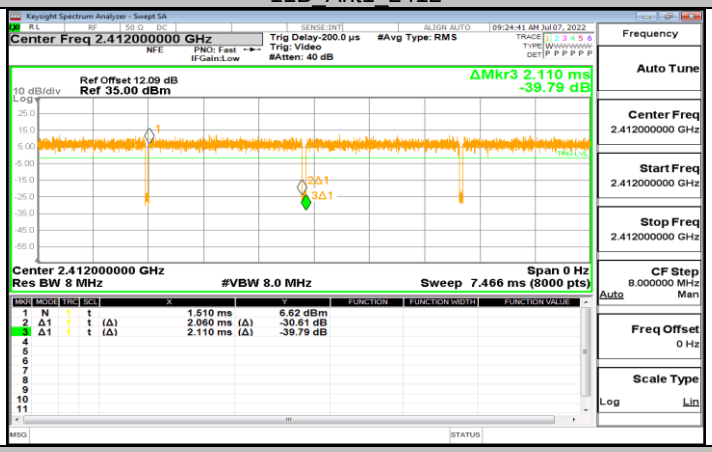
11.7.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	12.42	12.57	0.9881	98.81	0.05	0.08	0.01
11G	2.06	2.11	0.9763	97.63	0.10	0.49	1
11N20SISO	1.92	2.05	0.9366	93.66	0.28	0.52	1
11N40SISO	0.94	1.12	0.8393	83.93	0.76	1.06	1.5

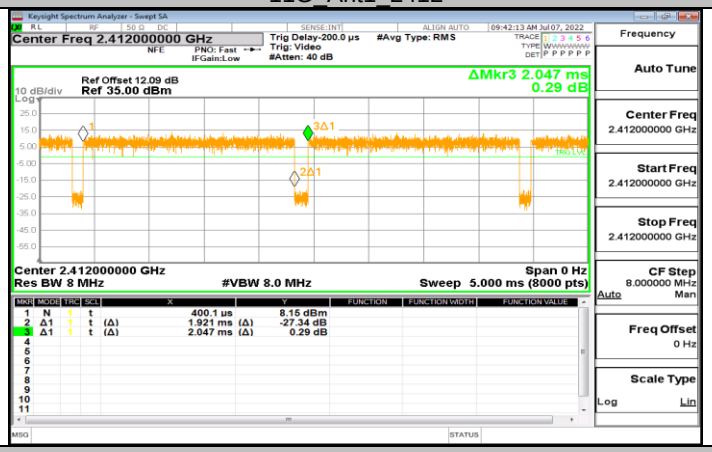
Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.
For 802.11b mode, the duty cycle > 98%, so, VBW=10 Hz has been used to test.

11.7.2. Test Graphs

11B_Ant1_2412



11G_Ant1_2412



11N20SISO_Ant1_2412

11N40SISO_Ant1_2422

END OF REPORT