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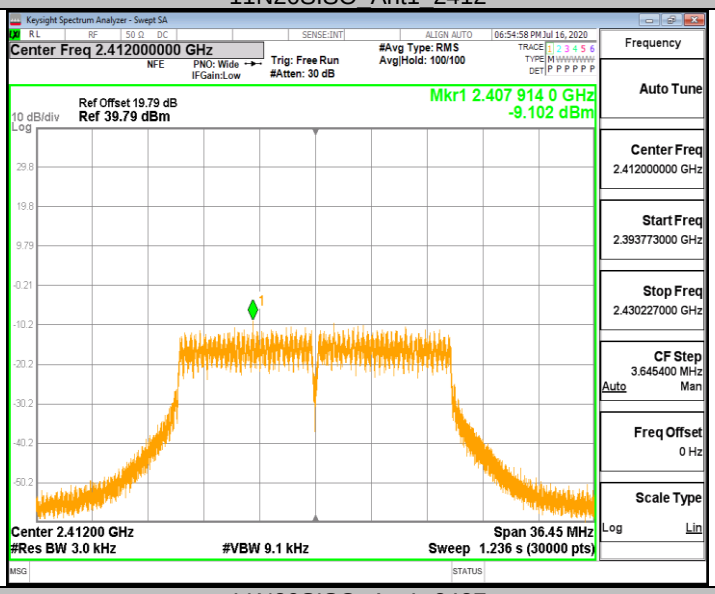
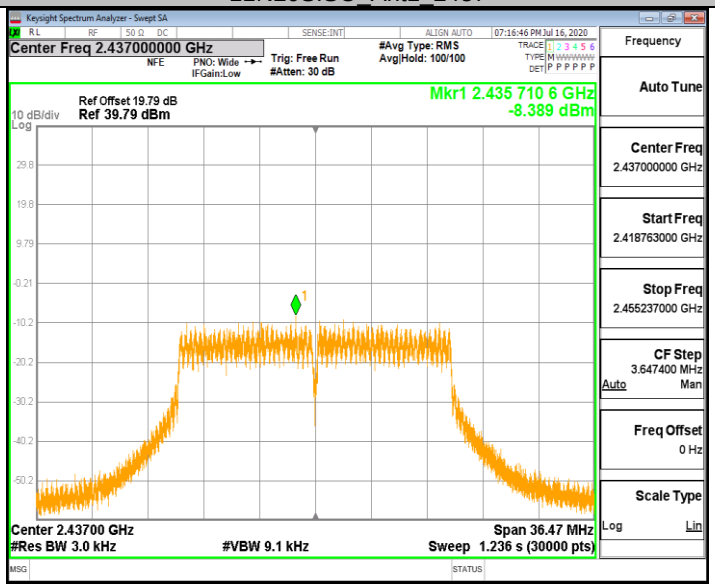


11N20SISO_Ant1_2437



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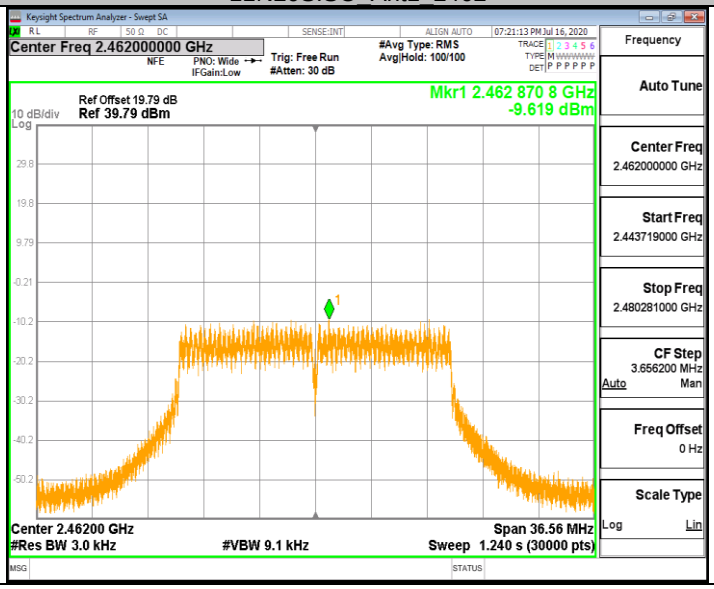
11N20SISO_Ant1_2462


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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	6.95	-37.42	<=-23.05	PASS
		High	2462	5.75	-40.15	<=-24.26	PASS
11G	Ant1	Low	2412	2.06	-29.66	<=-27.94	PASS
		High	2462	0.72	-38.26	<=-29.28	PASS
11N20SISO	Ant1	Low	2412	3.85	-29.63	<=-26.15	PASS
		High	2462	4.81	-36.23	<=-25.2	PASS

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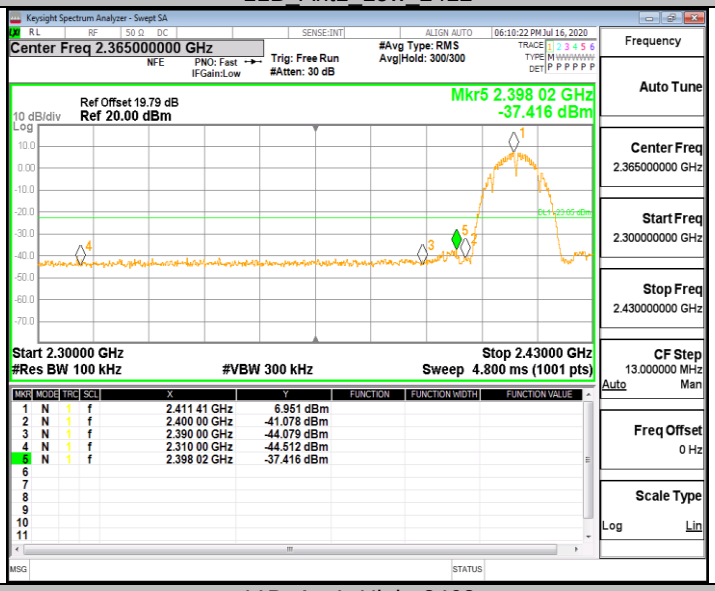
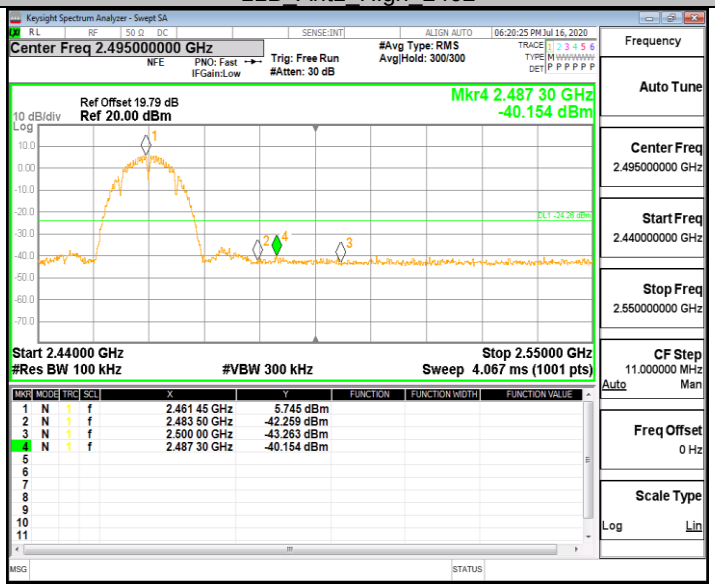
11.5.2. Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



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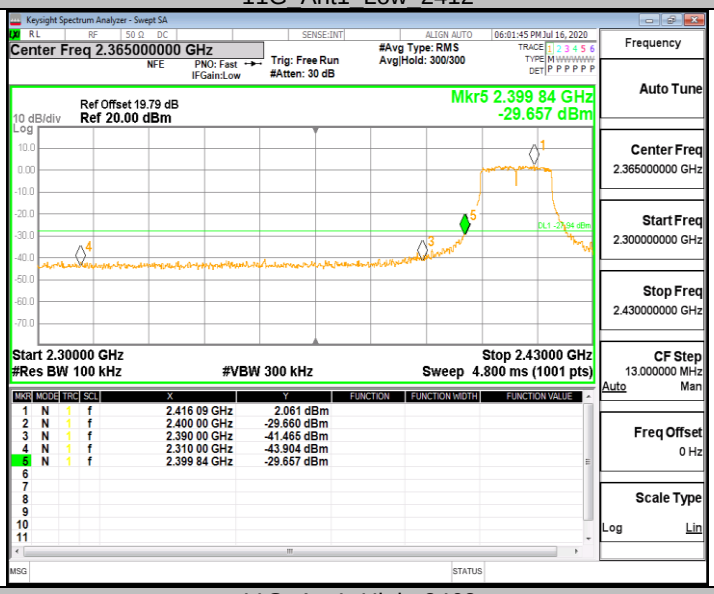
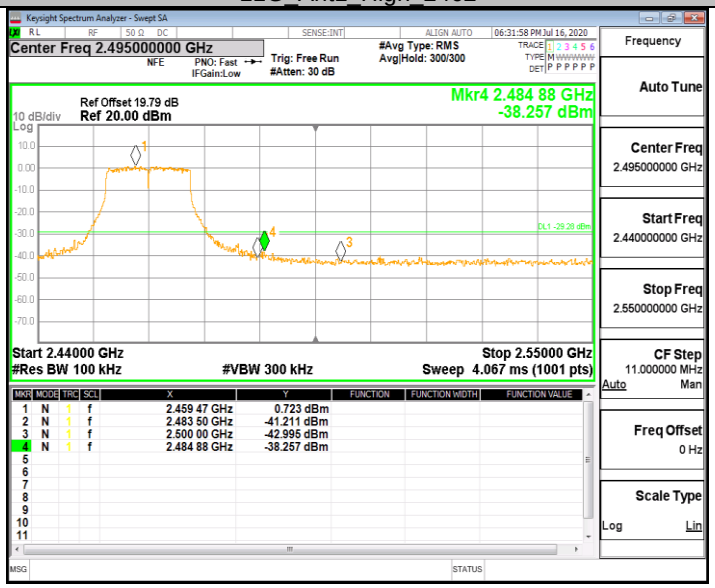
11G_Ant1_Low_2412



11G_Ant1_High_2462



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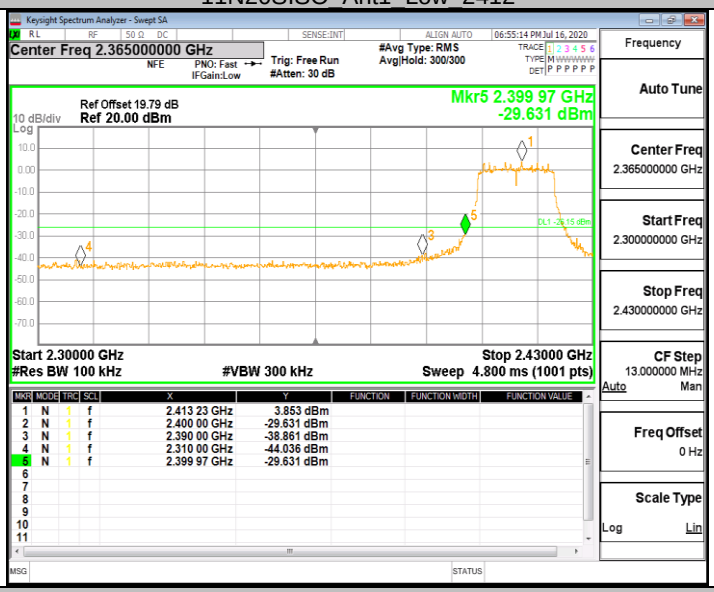
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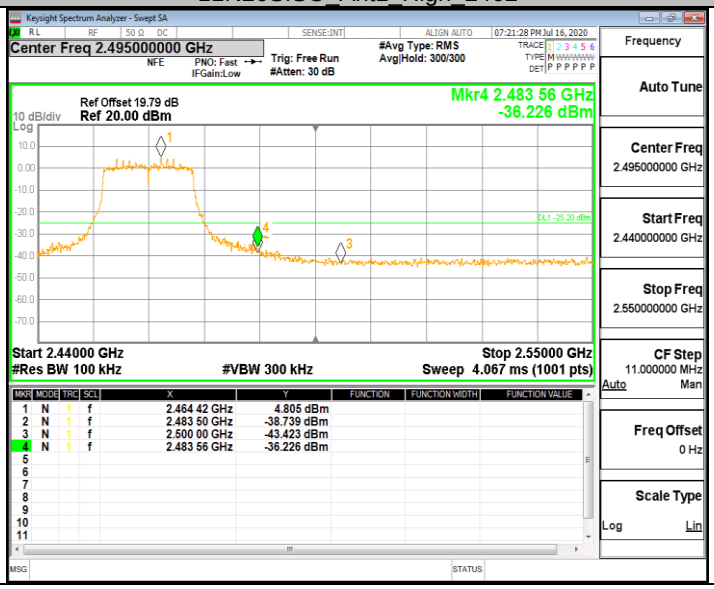

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11.6. Appendix F: Conducted Spurious Emission

11.6.1. Test Result

Test Mode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.82	7.82	---	PASS
			30~1000	30~1000	-63.352	<=-22.178	PASS
			1000~26500	1000~26500	-53.766	<=-22.178	PASS
		2437	Reference	5.95	5.95	---	PASS
			30~1000	30~1000	-61.674	<=-24.049	PASS
			1000~26500	1000~26500	-54.191	<=-24.049	PASS
		2462	Reference	6.57	6.57	---	PASS
			30~1000	30~1000	-62.539	<=-23.426	PASS
			1000~26500	1000~26500	-53.125	<=-23.426	PASS
11G	Ant1	2412	Reference	4.91	4.91	---	PASS
			30~1000	30~1000	-60.658	<=-25.089	PASS
			1000~26500	1000~26500	-53.749	<=-25.089	PASS
		2437	Reference	0.83	0.83	---	PASS
			30~1000	30~1000	-60.966	<=-29.174	PASS
			1000~26500	1000~26500	-54.296	<=-29.174	PASS
		2462	Reference	0.76	0.76	---	PASS
			30~1000	30~1000	-61.017	<=-29.241	PASS
			1000~26500	1000~26500	-54.554	<=-29.241	PASS
11N20SISO	Ant1	2412	Reference	4.17	4.17	---	PASS
			30~1000	30~1000	-60.77	<=-25.828	PASS
			1000~26500	1000~26500	-54.188	<=-25.828	PASS
		2437	Reference	4.61	4.61	---	PASS
			30~1000	30~1000	-60.852	<=-25.387	PASS
			1000~26500	1000~26500	-53.981	<=-25.387	PASS
		2462	Reference	4.29	4.29	---	PASS
			30~1000	30~1000	-61.025	<=-25.71	PASS
			1000~26500	1000~26500	-53.509	<=-25.71	PASS

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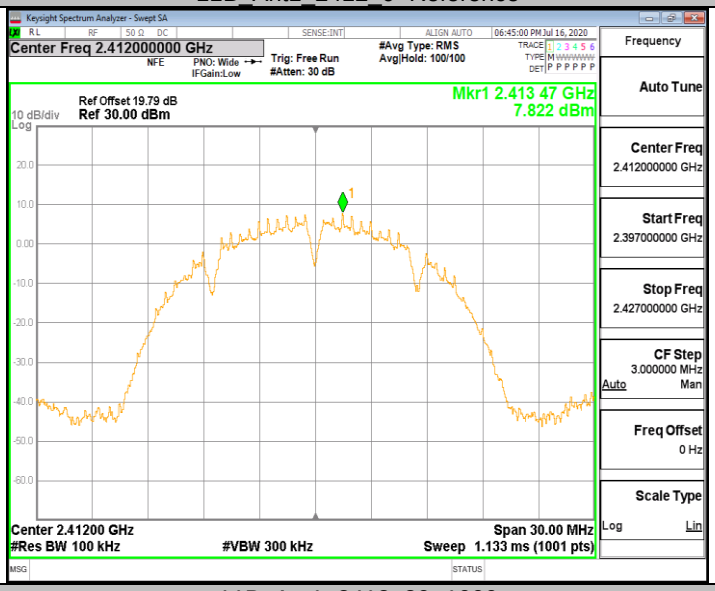
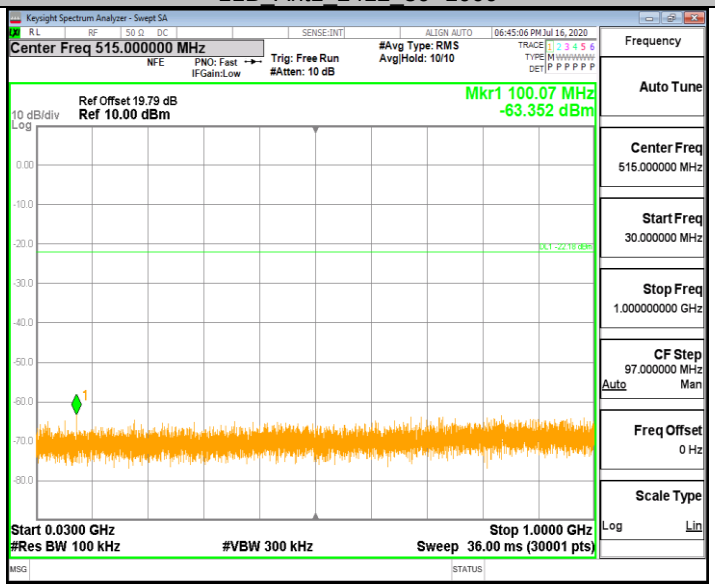
11.6.2. Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



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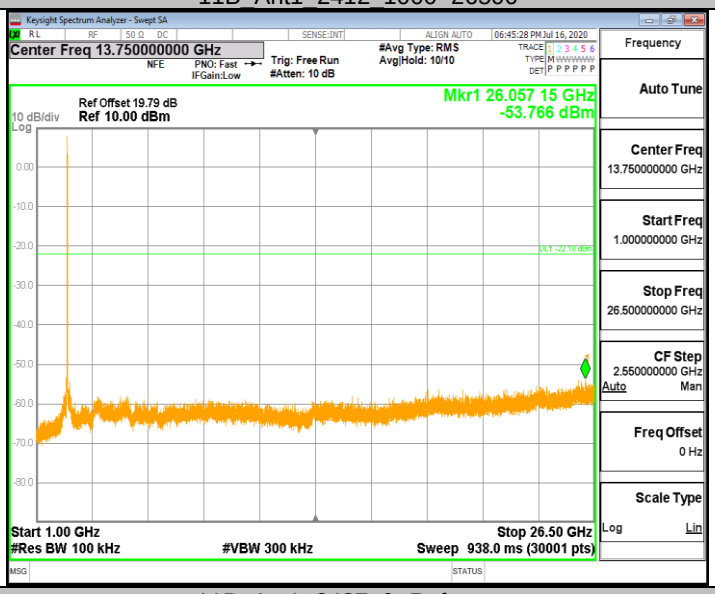
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference

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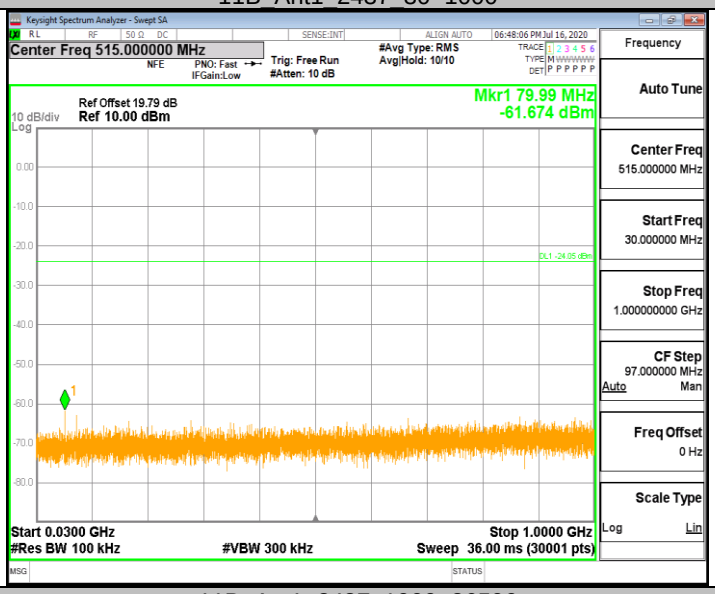
11B_Ant1_2437_30~1000



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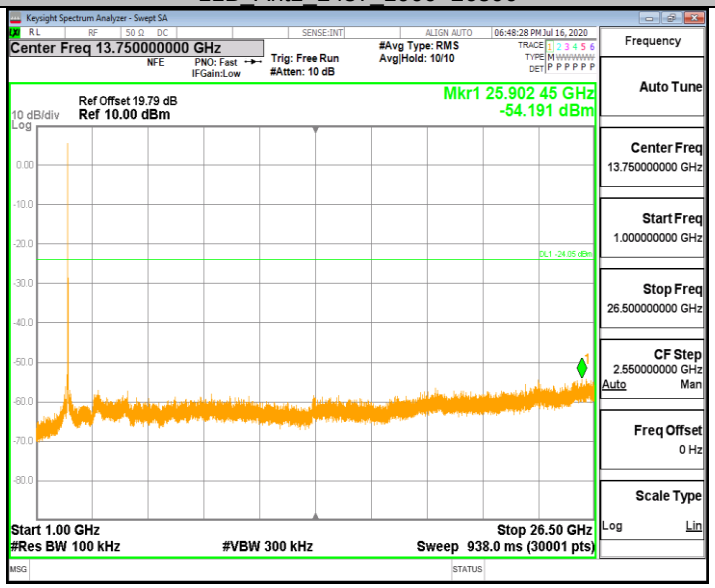

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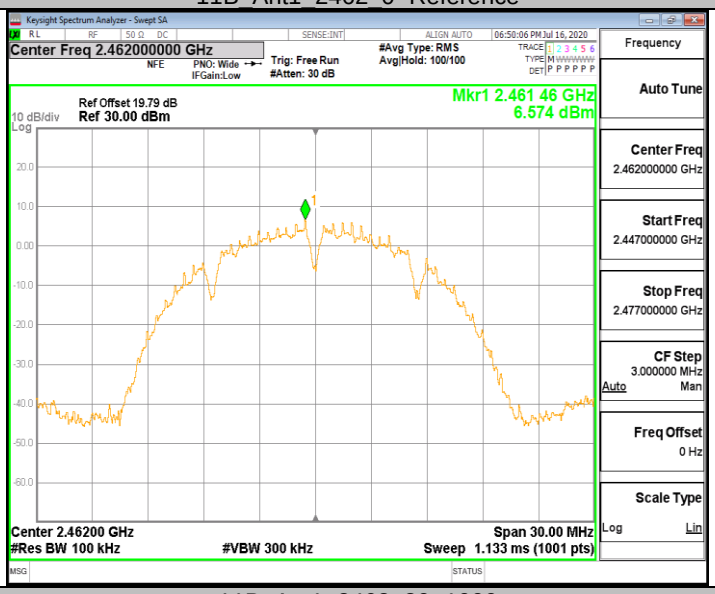

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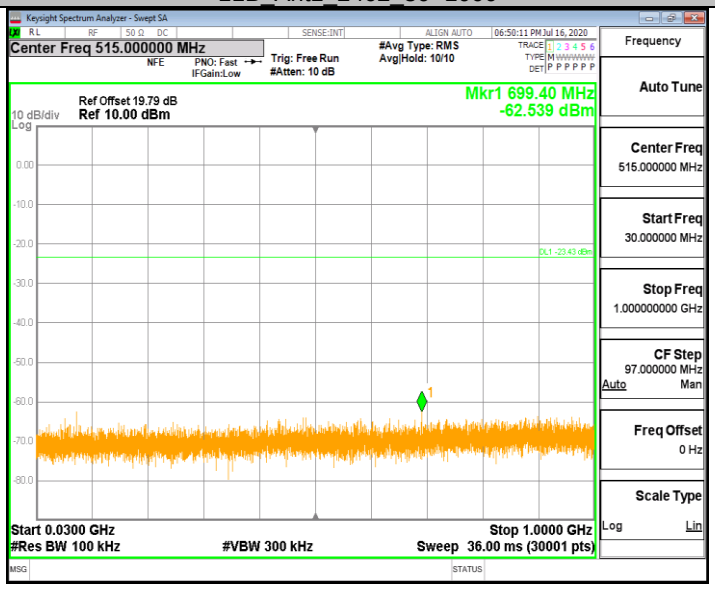

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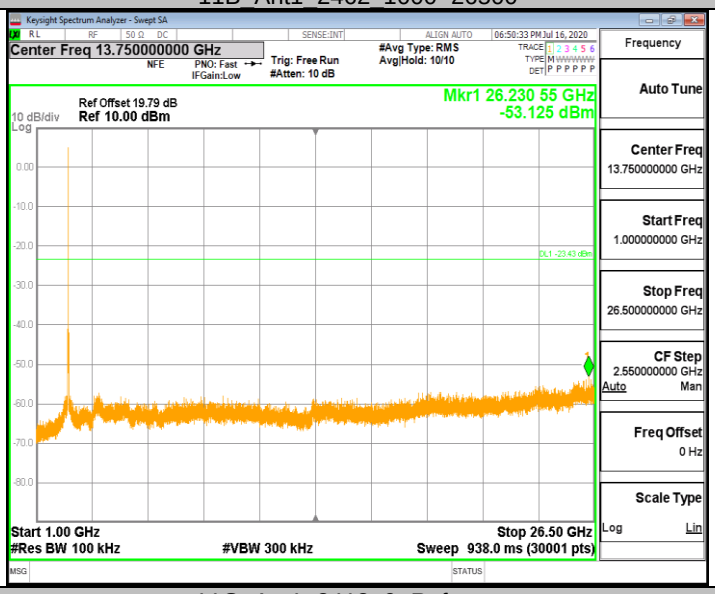
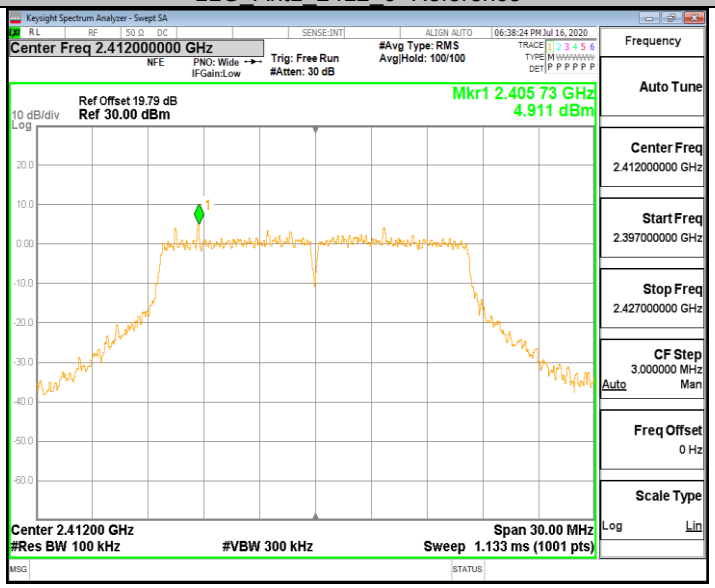


11G_Ant1_2412_0~Reference



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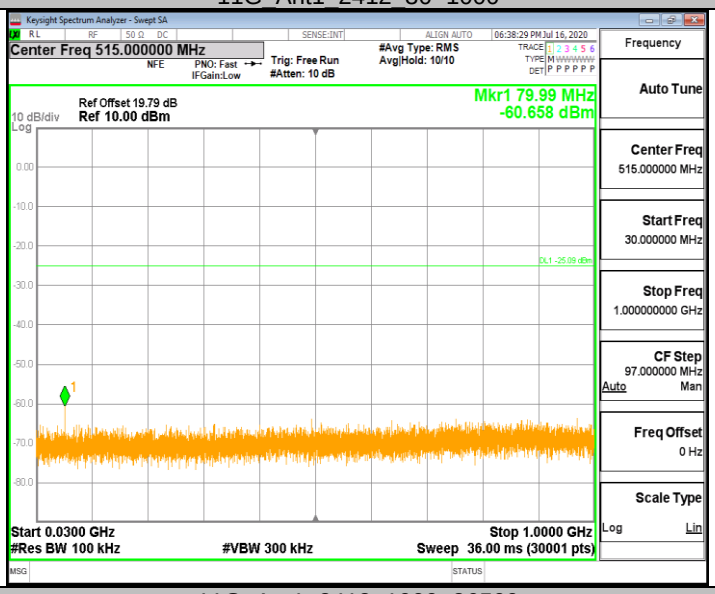

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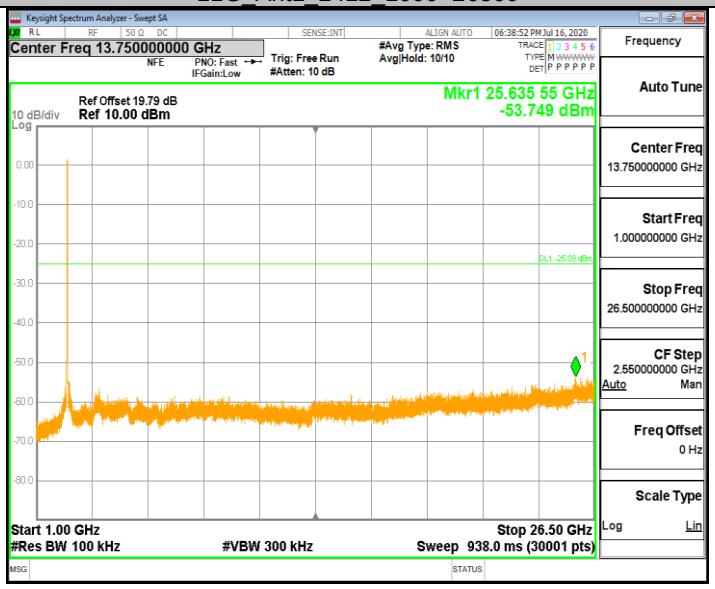

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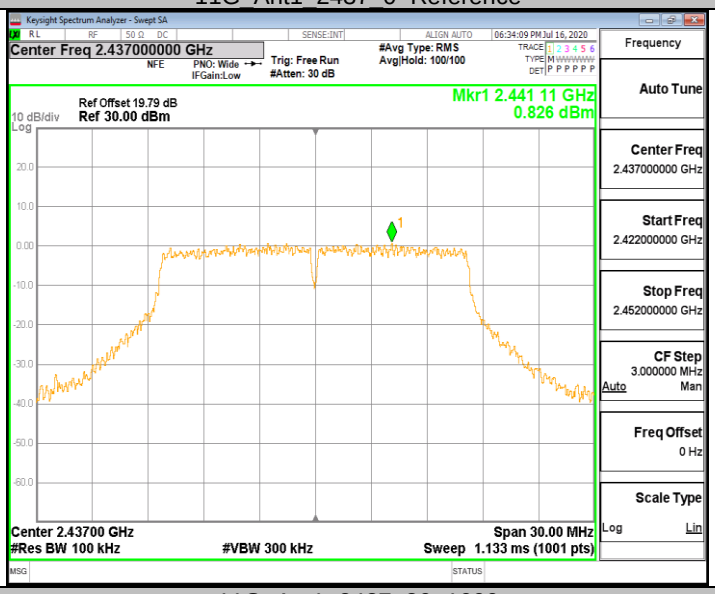

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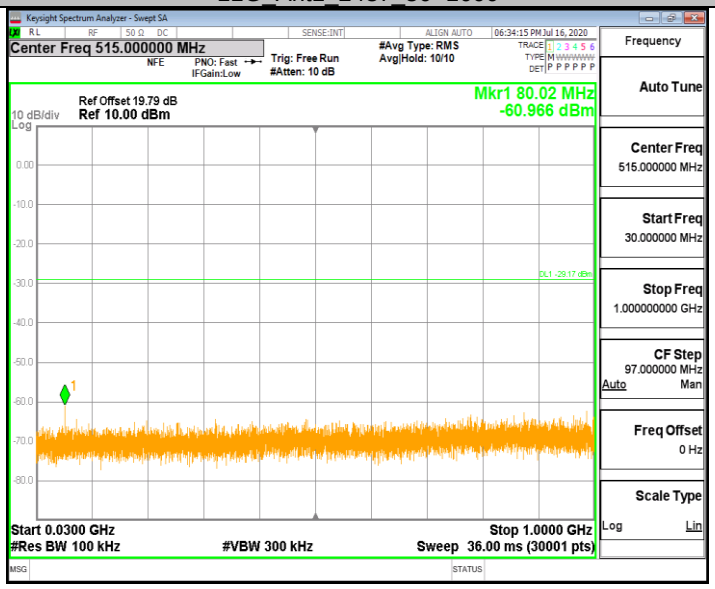

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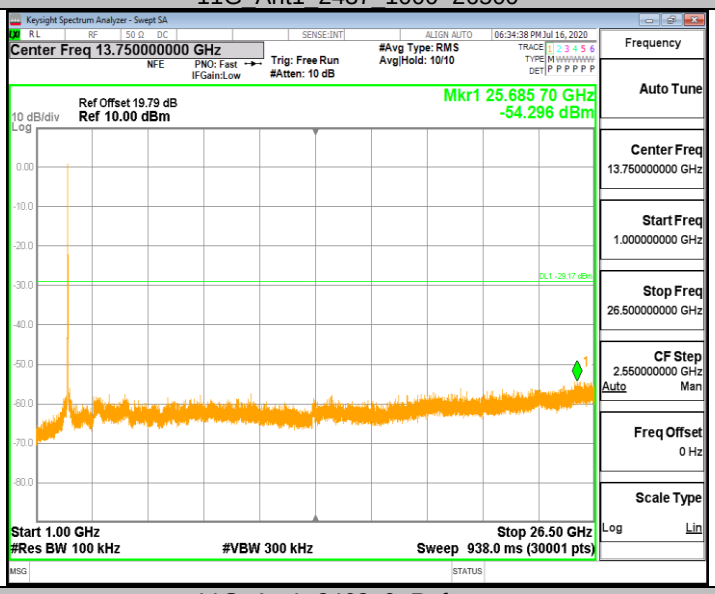
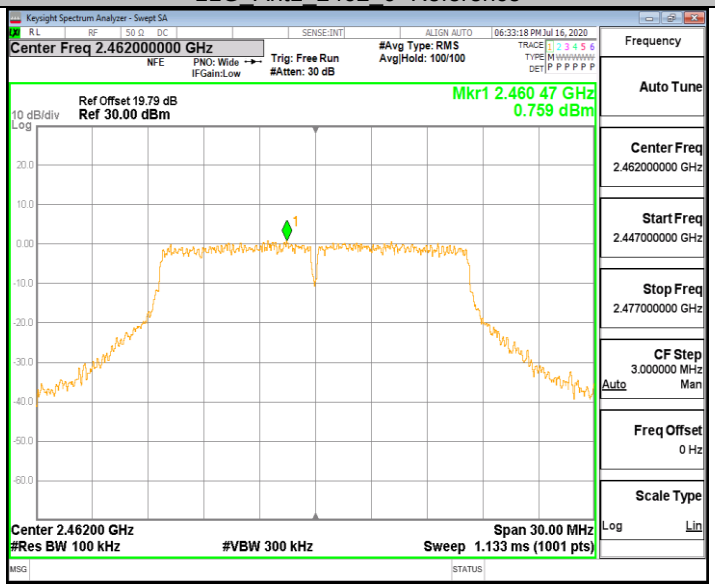


11G_Ant1_2462_0~Reference



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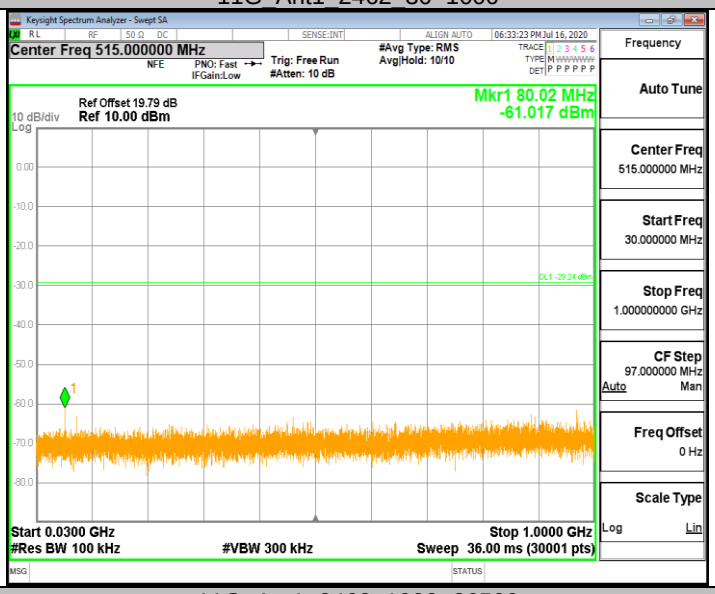
11G_Ant1_2462_30~1000



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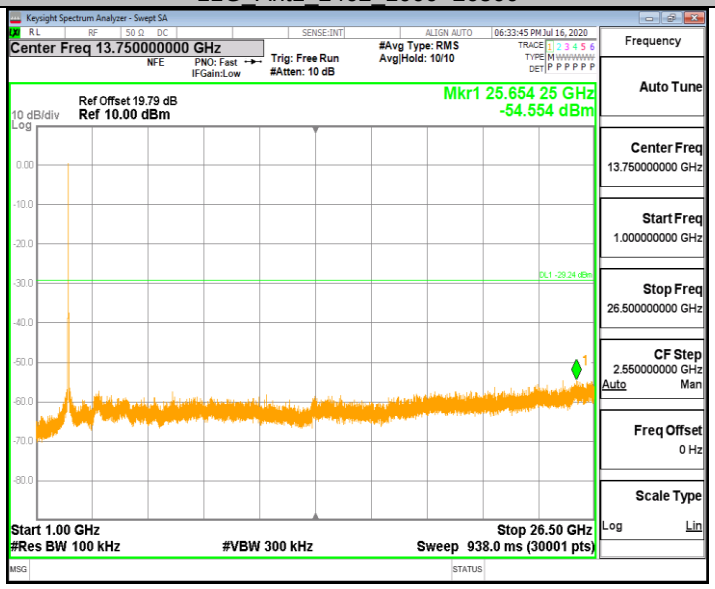

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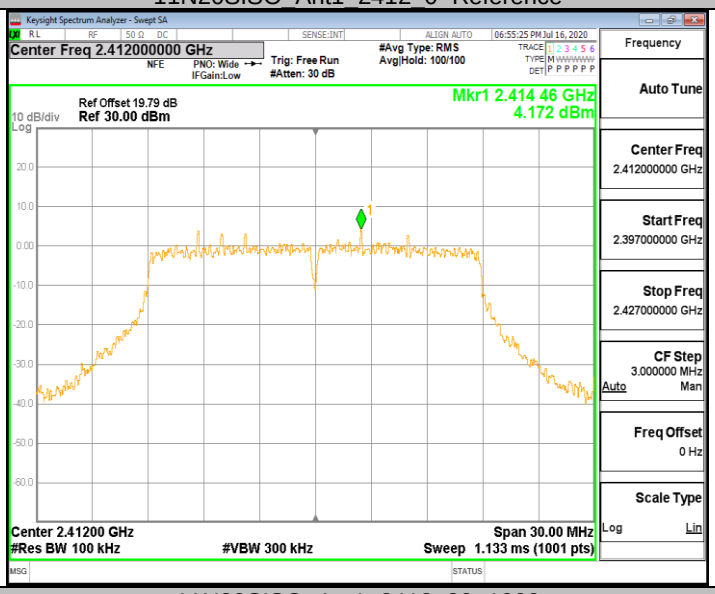
11N20SISO_Ant1_2412_0~Reference



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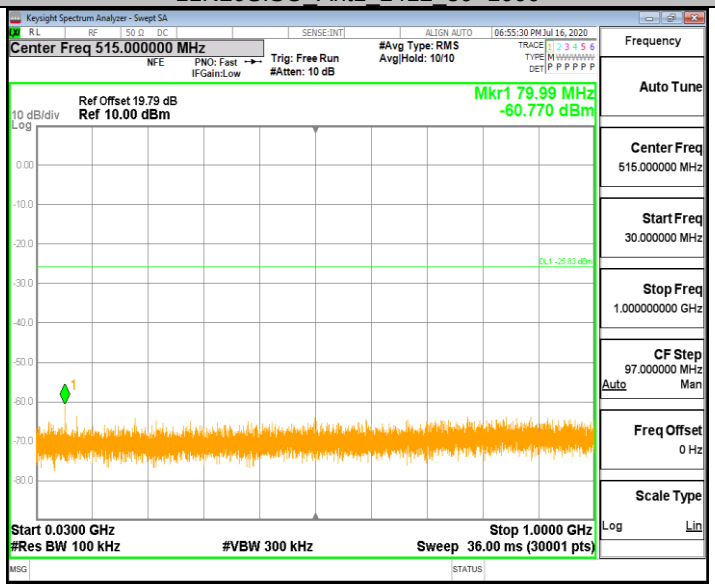

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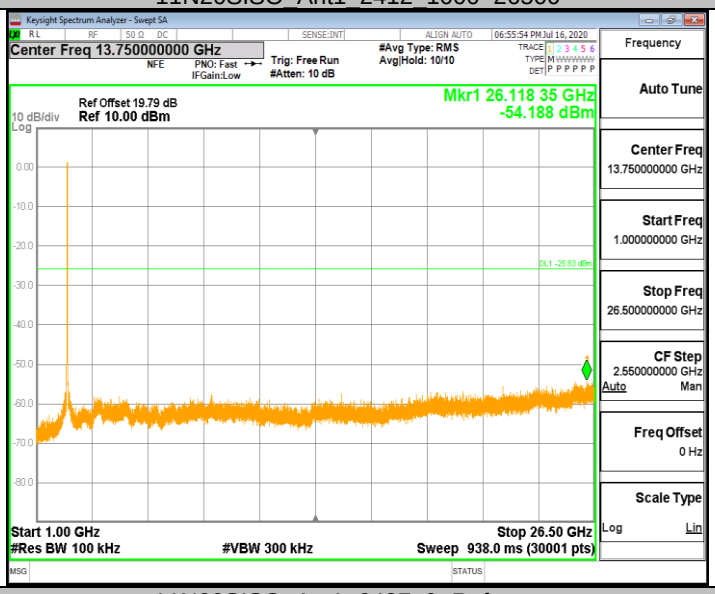
11N20SISO_Ant1_2412_1000~26500



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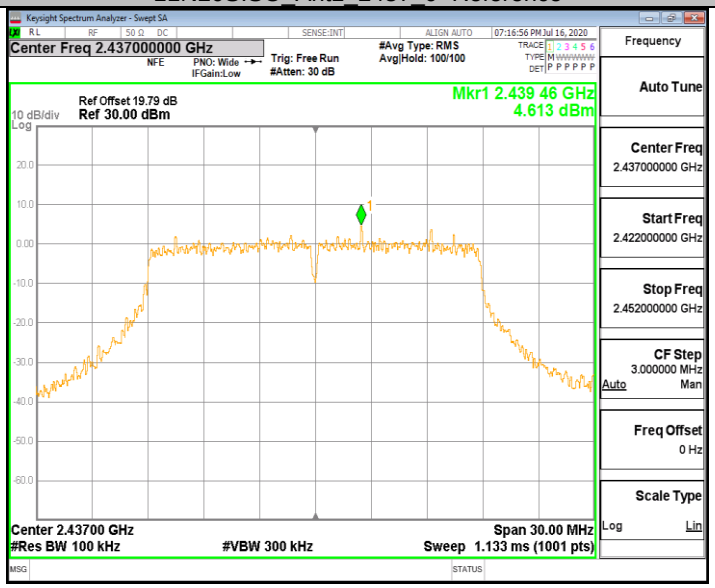

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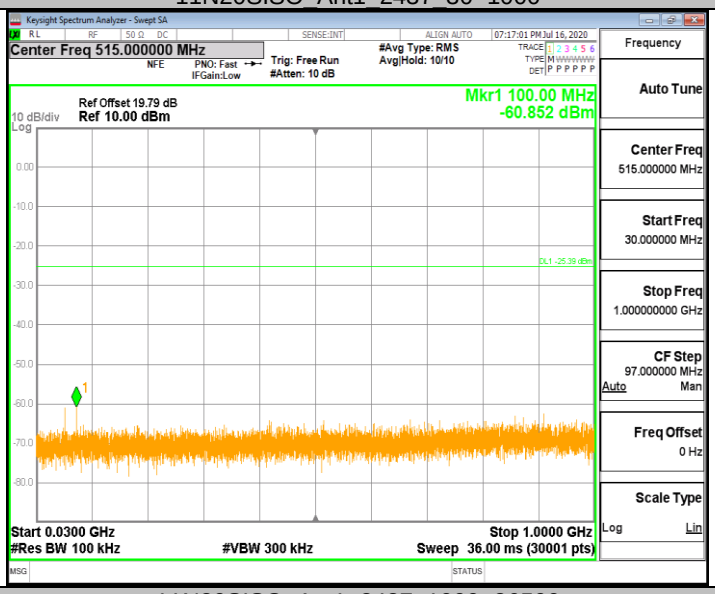

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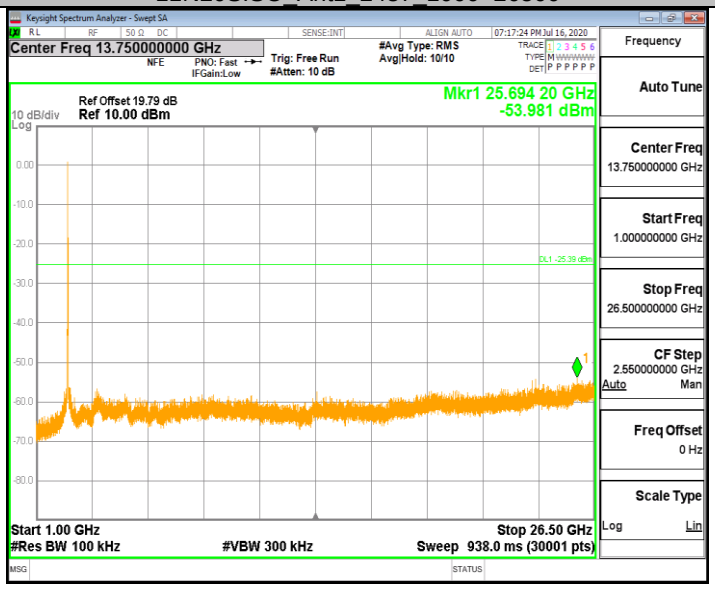

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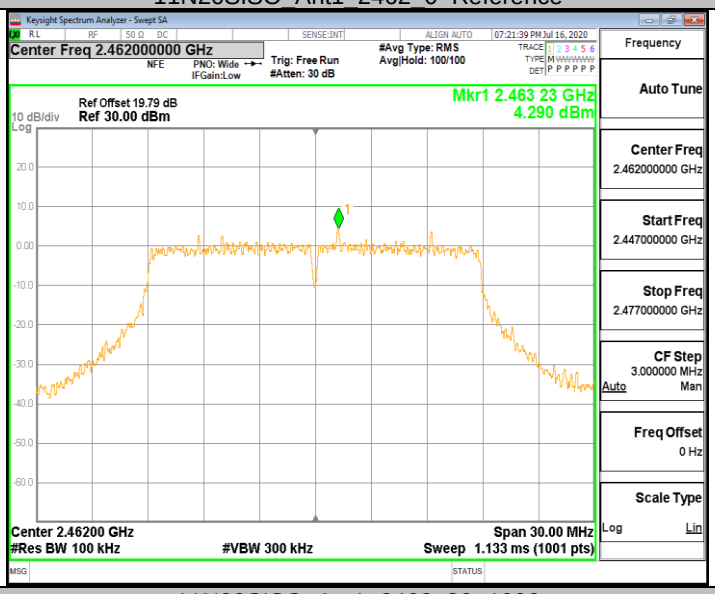
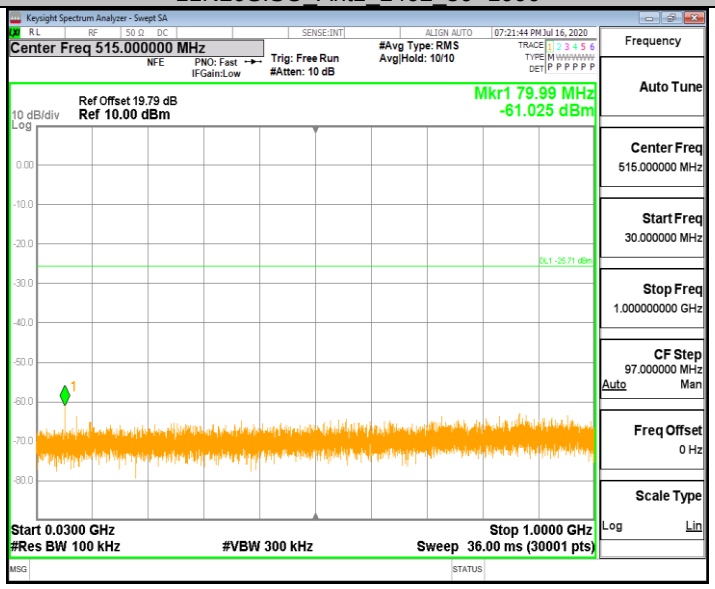


11N20SISO_Ant1_2462_30~1000



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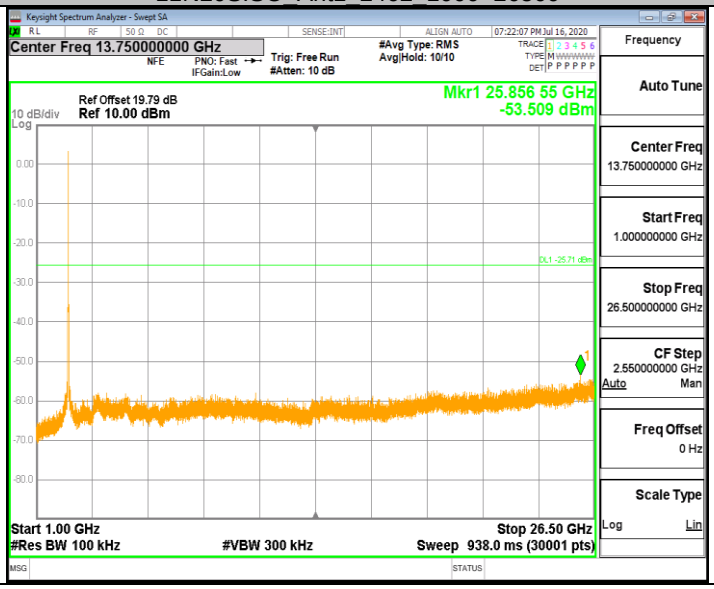
11N20SISO_Ant1_2462_1000~26500



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11.7. Appendix G: Duty Cycle

11.7.1. Test Result

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	12.41	12.55	0.989	98.9	0.05	0.08	0.5
11g	2.06	2.20	0.936	93.6	0.29	0.49	1
11n HT20	1.92	2.05	0.937	93.7	0.28	0.52	1

Note:
Duty Cycle Correction Factor=10log(1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time (transmit duration)
If that calculated VBW is not available on the analyzer then the next higher value should be used.

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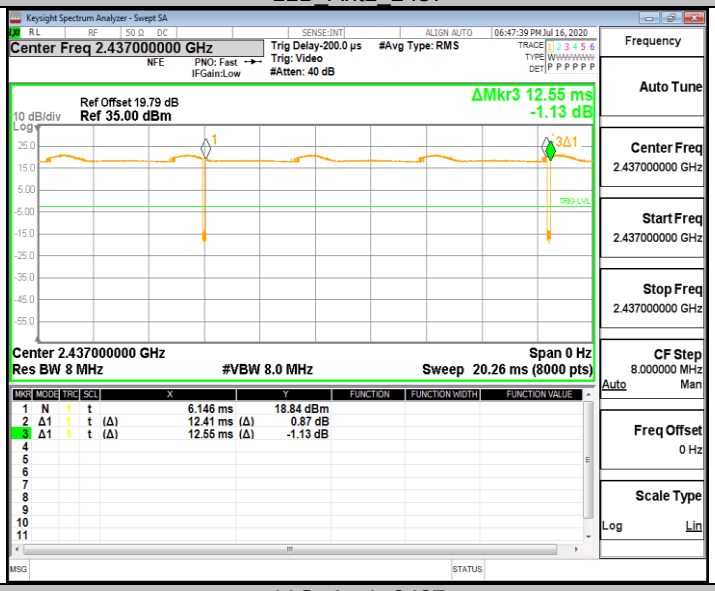
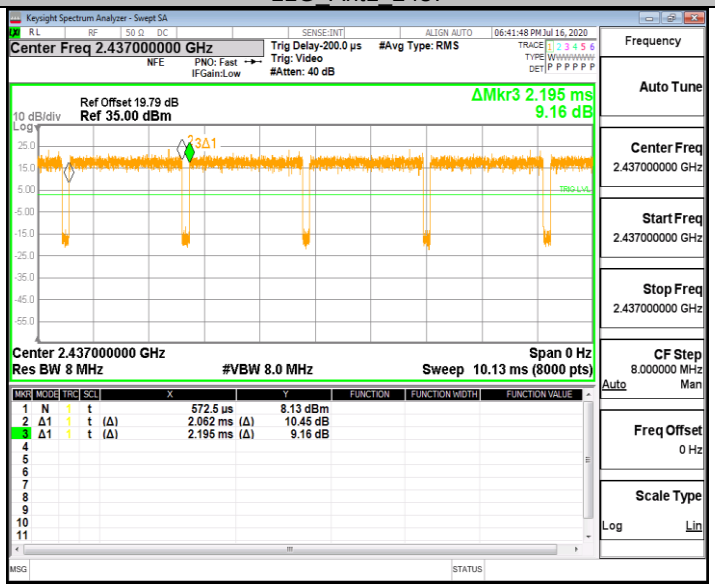
11.7.2. Test Graphs

11B_Ant1_2437



11G_Ant1_2437



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11N20SISO_Ant1_2437

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