

Maximum power spectral density

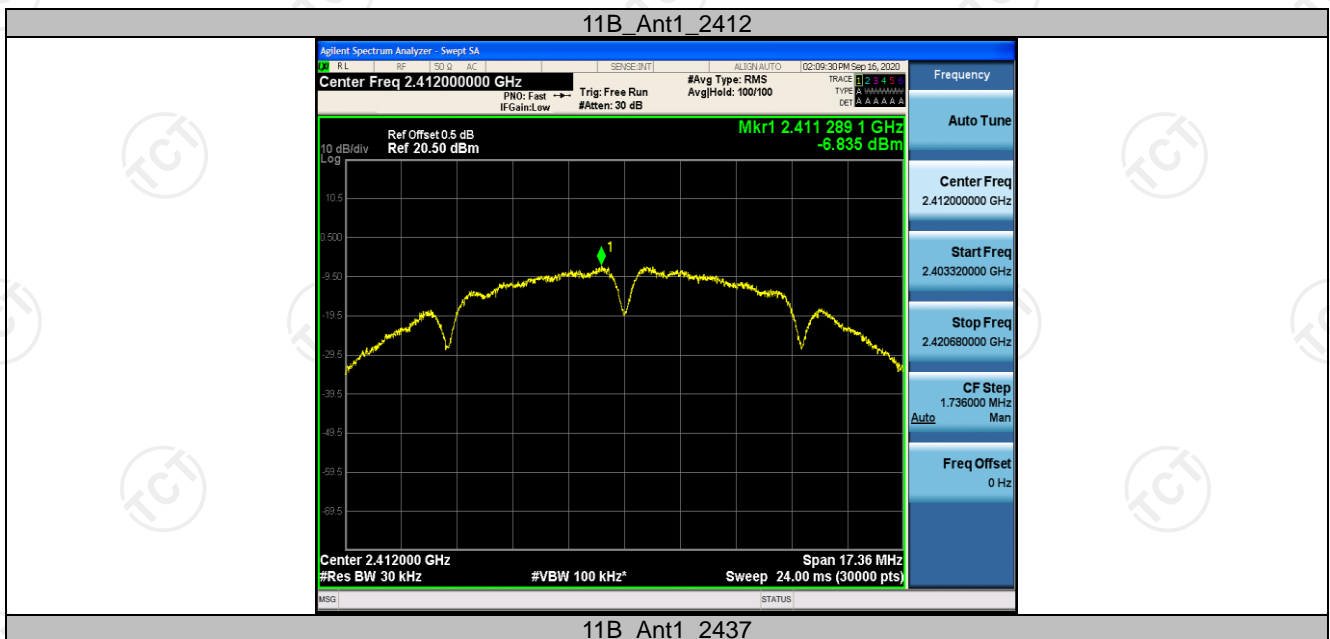
Test Result

Test Mode	Antenna	Channel	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.84	-16.84	<=8	PASS
		2437	-4.67	-14.67	<=8	PASS
		2462	-4.95	-14.95	<=8	PASS
11G	Ant1	2412	-10.94	-20.94	<=8	PASS
		2437	-9.03	-19.03	<=8	PASS
		2462	-9.65	-19.65	<=8	PASS
11N20SISO	Ant1	2412	-11.49	-21.49	<=8	PASS
		2437	-9.36	-19.36	<=8	PASS
		2462	-10.59	-20.59	<=8	PASS

Note: Compensate 10dB is for Exchange rate of RBW

Exchange rate of RBW = $10 \cdot \log_{10}(\text{Reference bandwidth}/\text{RBW at measurement}) = -10[\text{dB}]$
where Reference bandwidth = 3KHz

Test Graphs

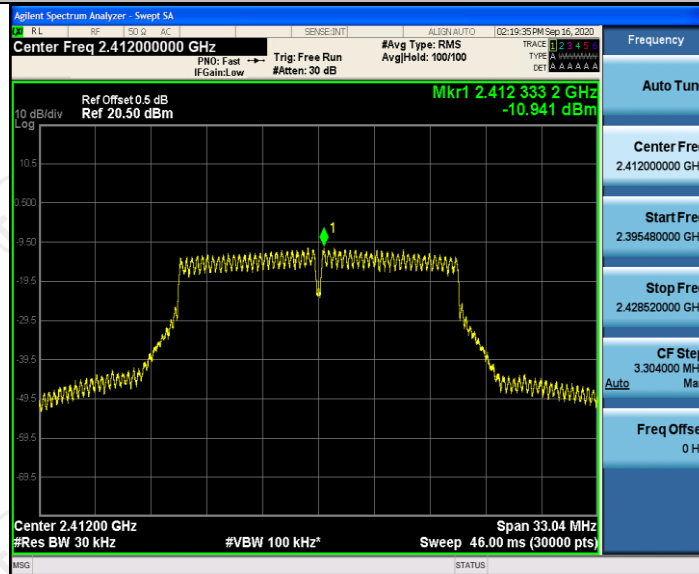




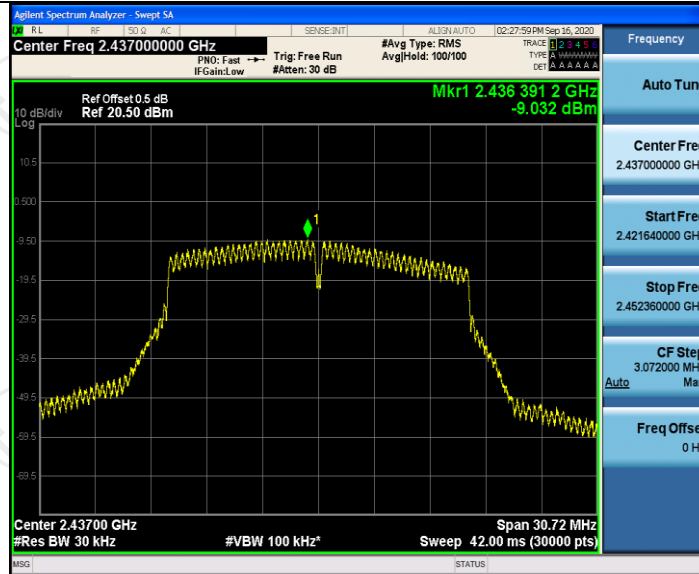
11B_Ant1_2462



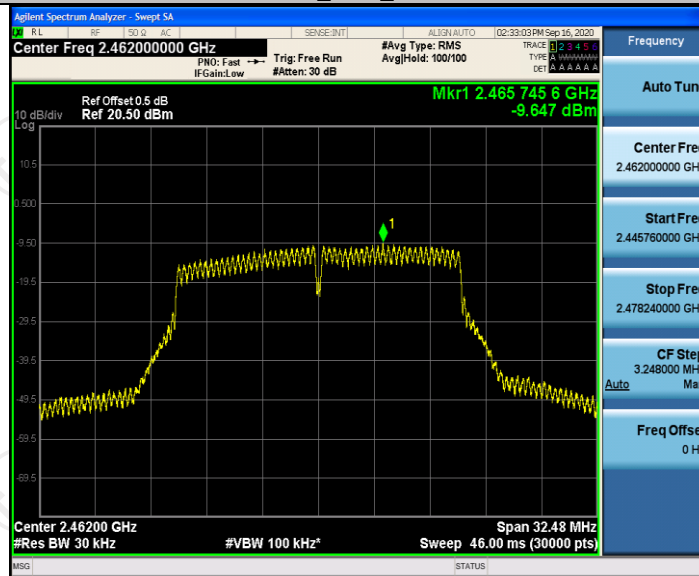
11G_Ant1_2412



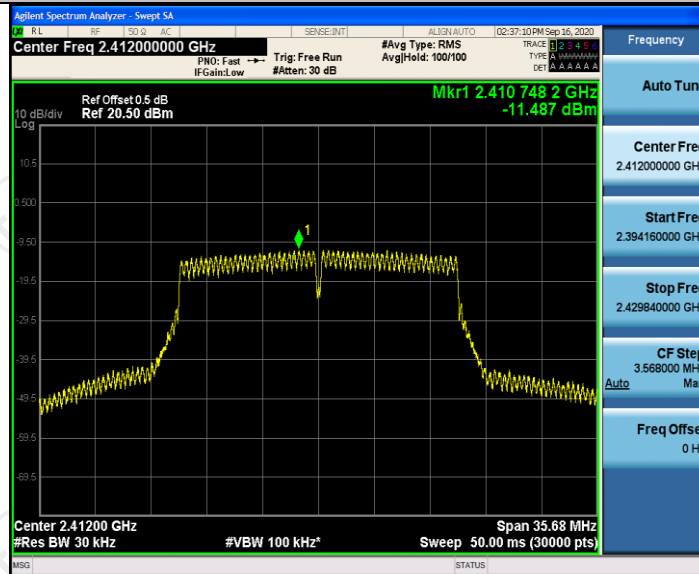
11G_Ant1_2437



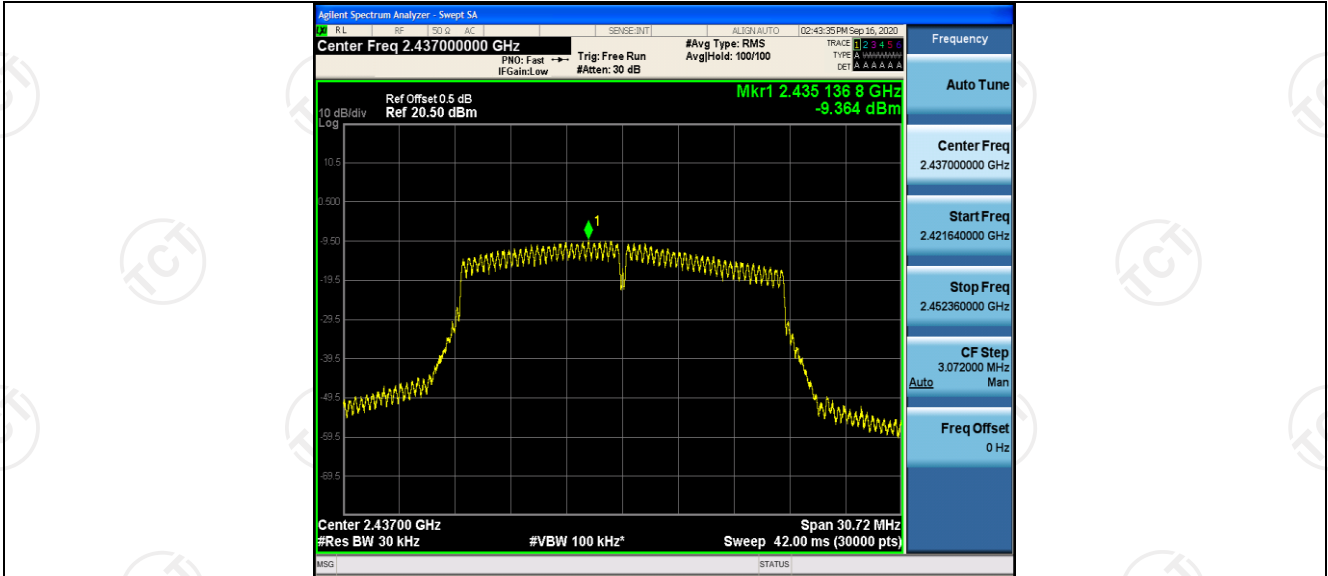
11G_Ant1_2462



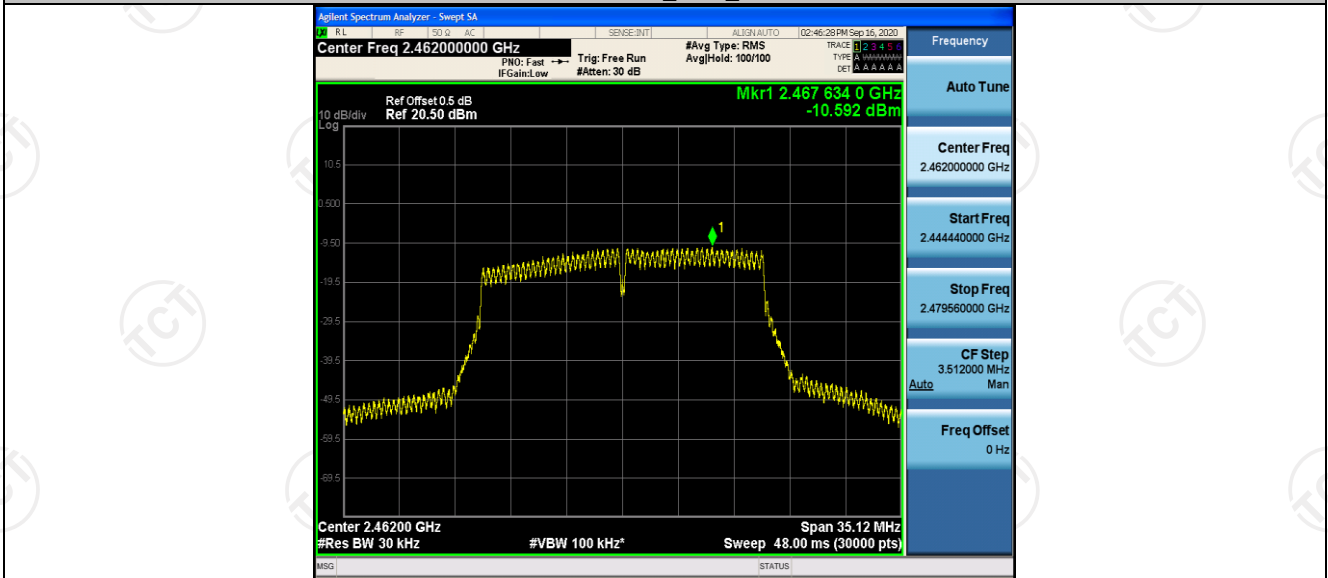
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

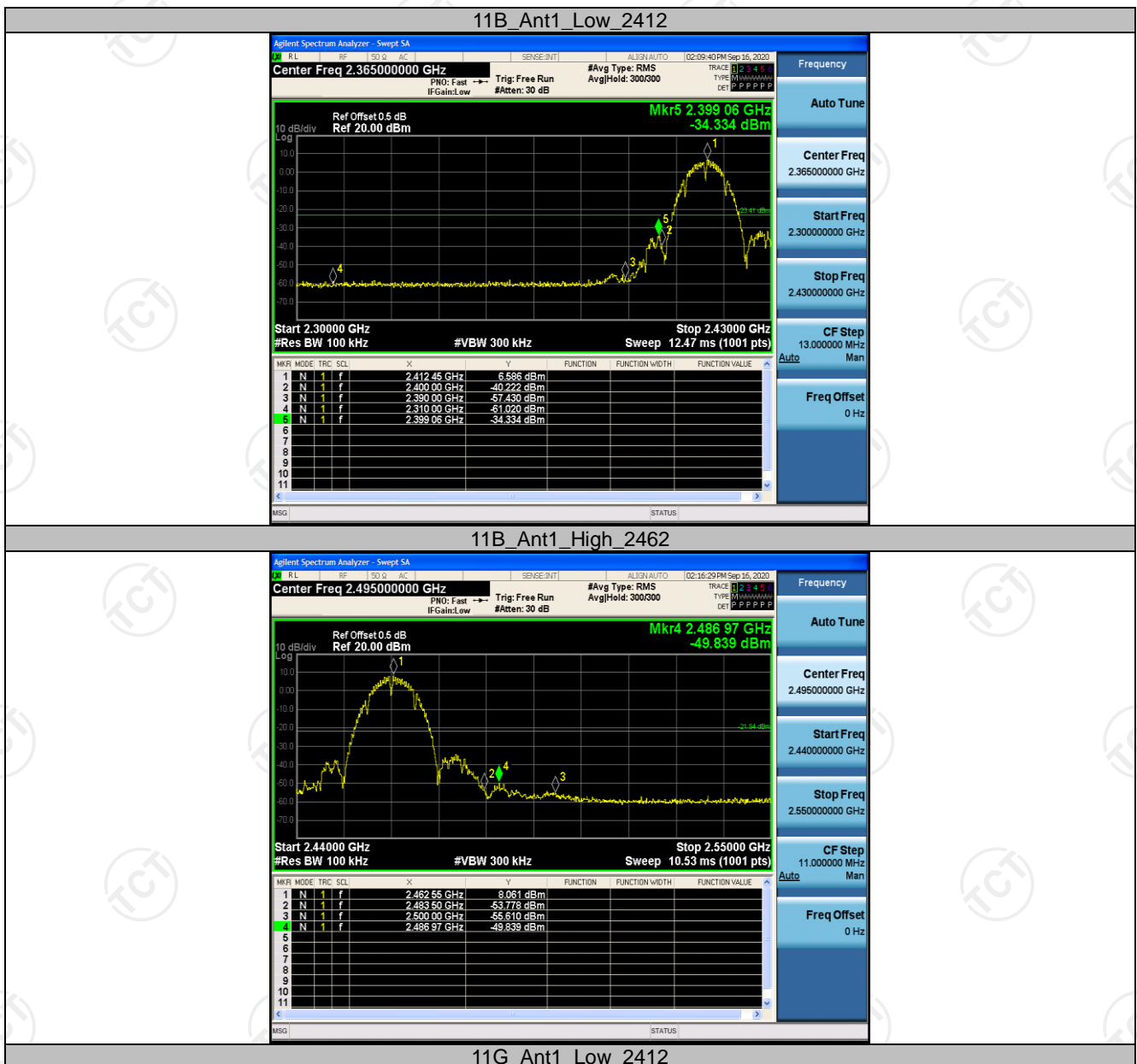


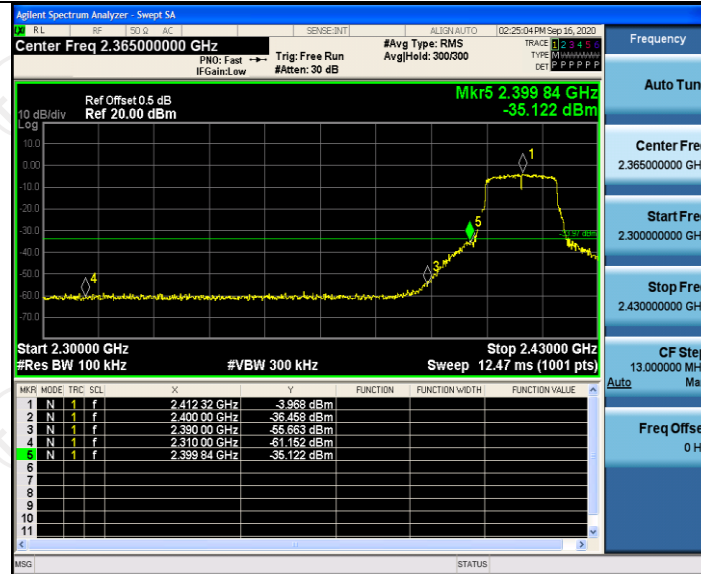
Band edge measurements

Test Result

Test Mode	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Low	2412	6.59	-34.33	<=-23.41	PASS
	High	2462	8.06	-49.84	<=-21.94	PASS
11G	Low	2412	-3.97	-35.12	<=-33.97	PASS
	High	2462	0.77	-45.40	<=-29.23	PASS
11N20SISO	Low	2412	-4.20	-35.46	<=-34.2	PASS
	High	2462	0.36	-44.32	<=-29.64	PASS

Test Graphs

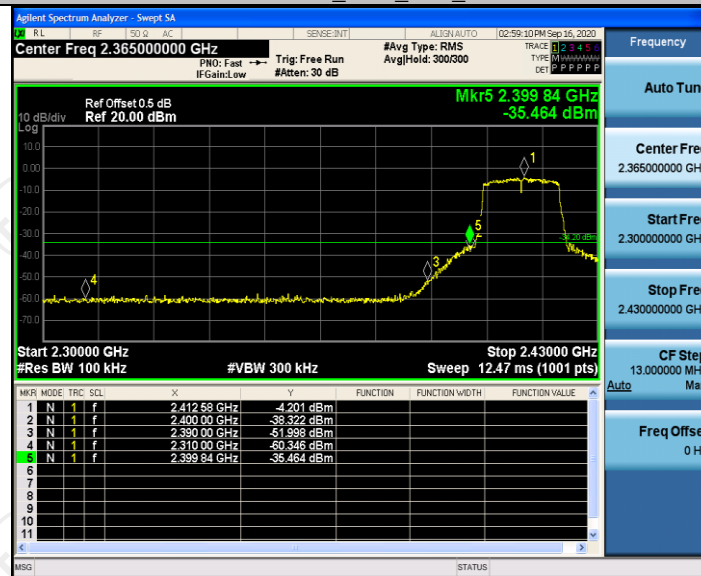




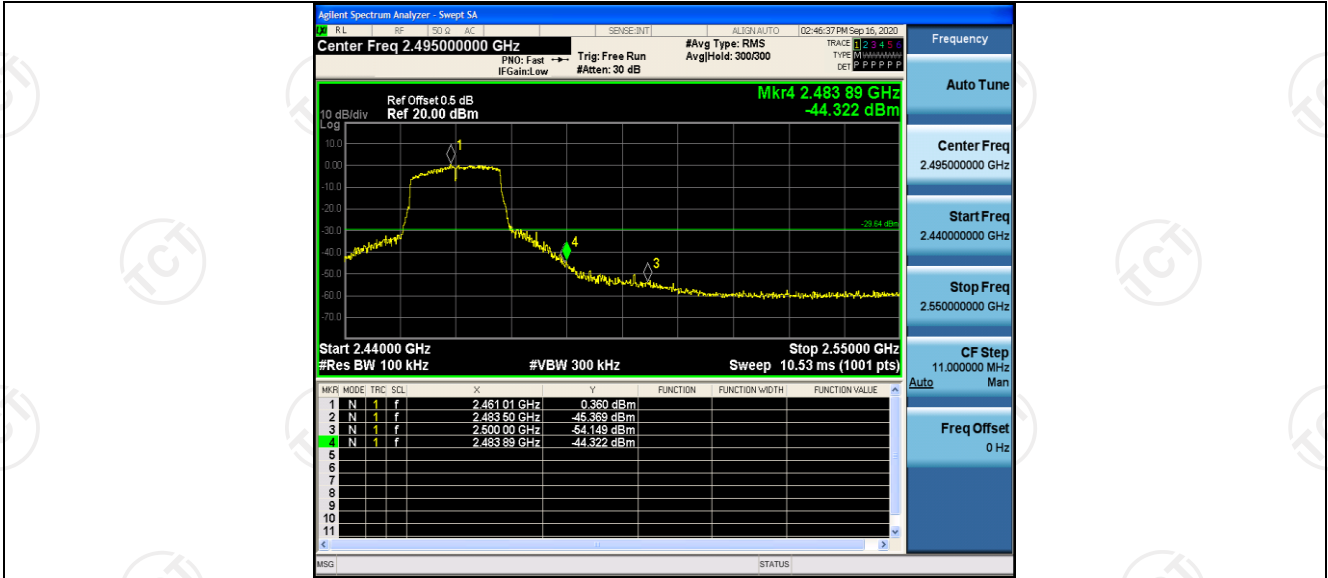
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Conducted Spurious Emission

Test Result

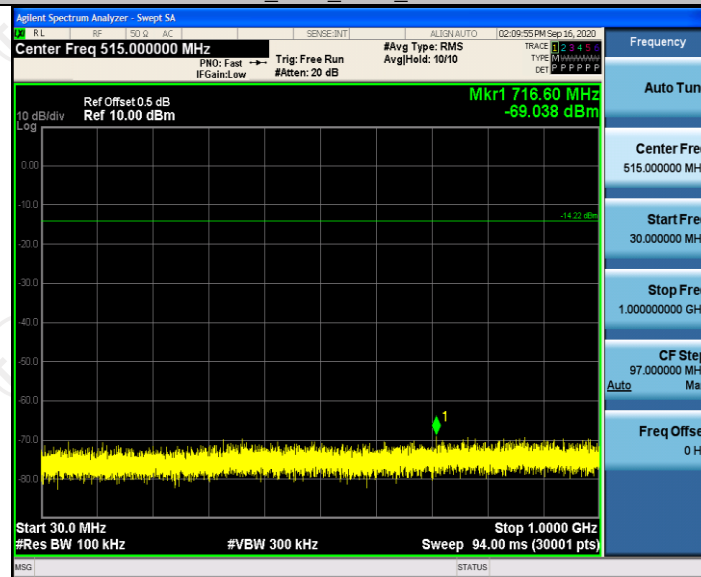
Test Mode	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	Reference	5.78	5.78	---	PASS
		30~1000	30~1000	-69.038	<=-14.222	PASS
		1000~26500	1000~26500	-39.906	<=-14.222	PASS
	2437	Reference	8.86	8.86	---	PASS
		30~1000	30~1000	-68.497	<=-11.137	PASS
		1000~26500	1000~26500	-43.549	<=-11.137	PASS
	2462	Reference	7.86	7.86	---	PASS
		30~1000	30~1000	-64.101	<=-12.136	PASS
		1000~26500	1000~26500	-42.549	<=-12.136	PASS
11G	2412	Reference	-3.93	-3.93	---	PASS
		30~1000	30~1000	-69.113	<=-23.934	PASS
		1000~26500	1000~26500	-42.376	<=-23.934	PASS
	2437	Reference	1.43	1.43	---	PASS
		30~1000	30~1000	-68.725	<=-18.569	PASS
		1000~26500	1000~26500	-43.347	<=-18.569	PASS
	2462	Reference	0.33	0.33	---	PASS
		30~1000	30~1000	-68.904	<=-19.669	PASS
		1000~26500	1000~26500	-44.149	<=-19.669	PASS
11N20SISO	2412	Reference	-3.73	-3.73	---	PASS
		30~1000	30~1000	-64.508	<=-23.731	PASS
		1000~26500	1000~26500	-43.732	<=-23.731	PASS
	2437	Reference	1.31	1.31	---	PASS
		30~1000	30~1000	-69.293	<=-18.688	PASS
		1000~26500	1000~26500	-42.492	<=-18.688	PASS
	2462	Reference	-0.22	-0.22	---	PASS
		30~1000	30~1000	-68.15	<=-20.215	PASS
		1000~26500	1000~26500	-43.594	<=-20.215	PASS

Test Graphs

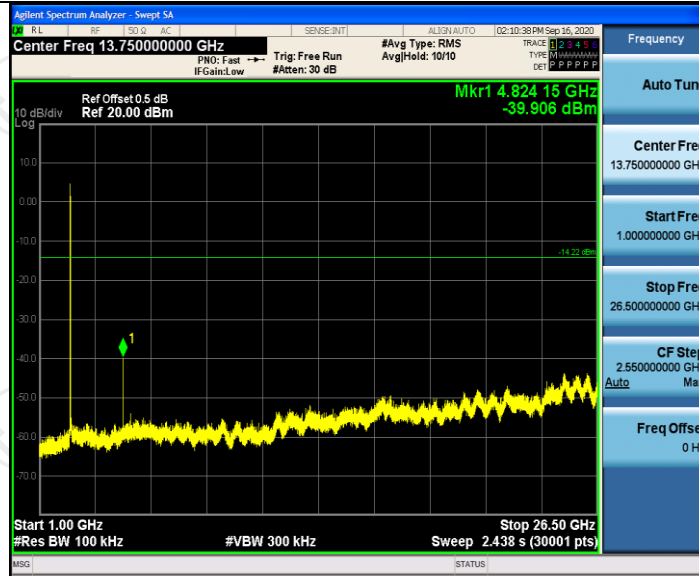
11B_Ant1_2412_0-Reference



11B_Ant1_2412_30~1000



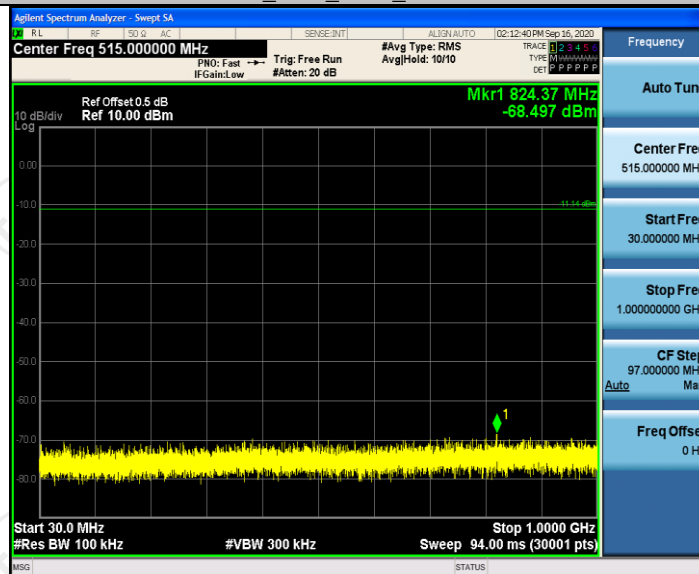
11B_Ant1_2412_1000~26500



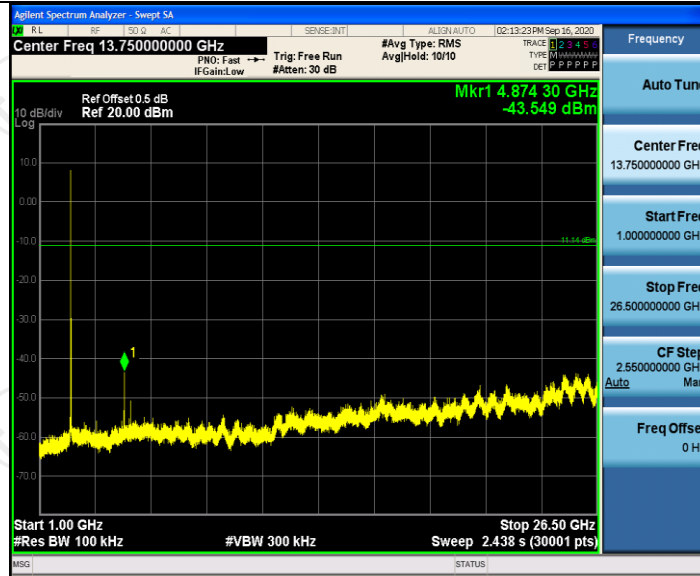
11B_Ant1_2437_0-Reference



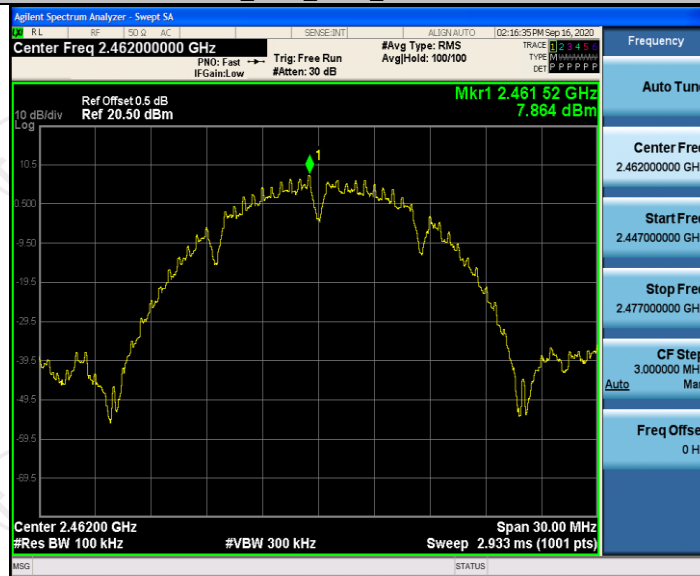
11B_Ant1_2437_30~1000



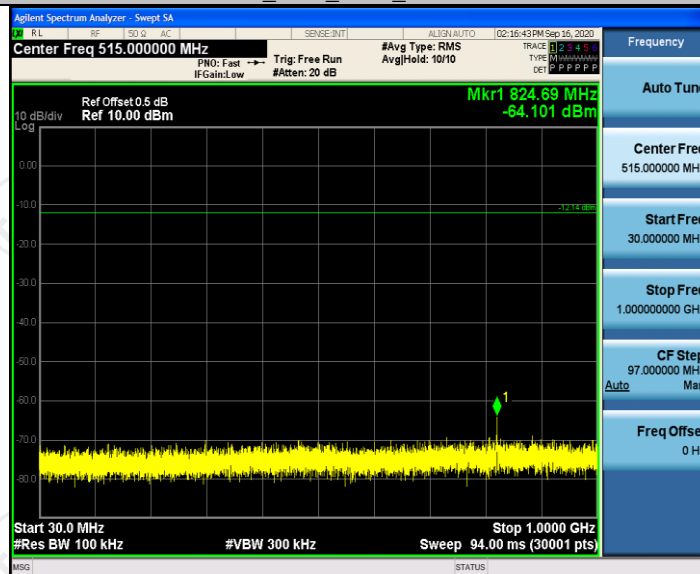
11B_Ant1_2437_1000~26500



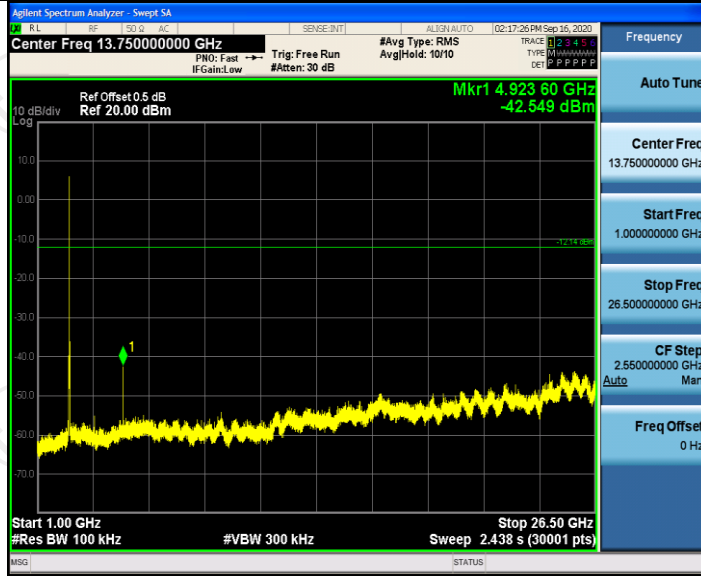
11B_Ant1_2462_0-Reference



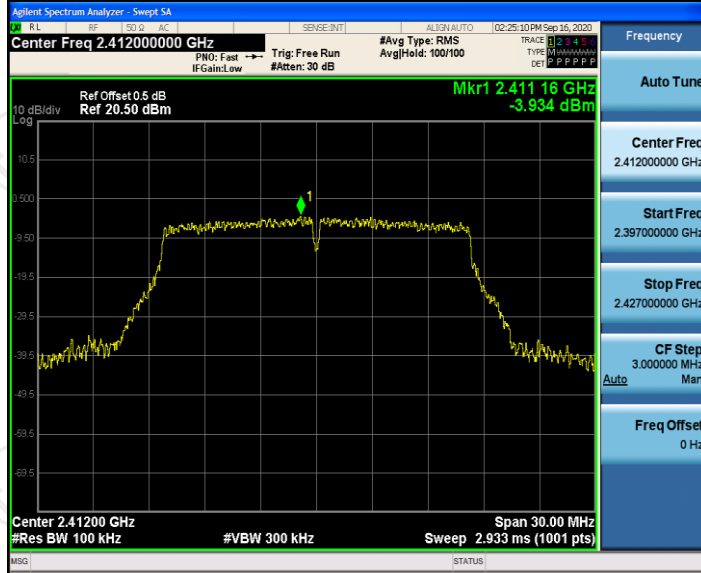
11B_Ant1_2462_30~1000



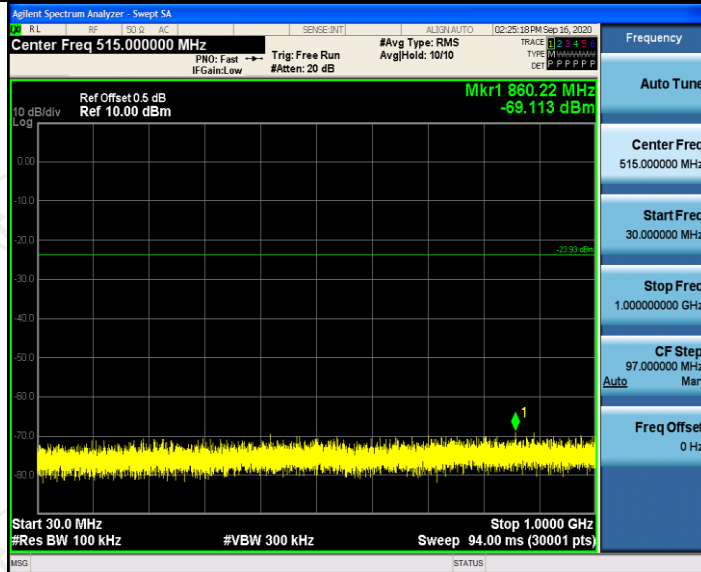
11B_Ant1_2462_1000~26500



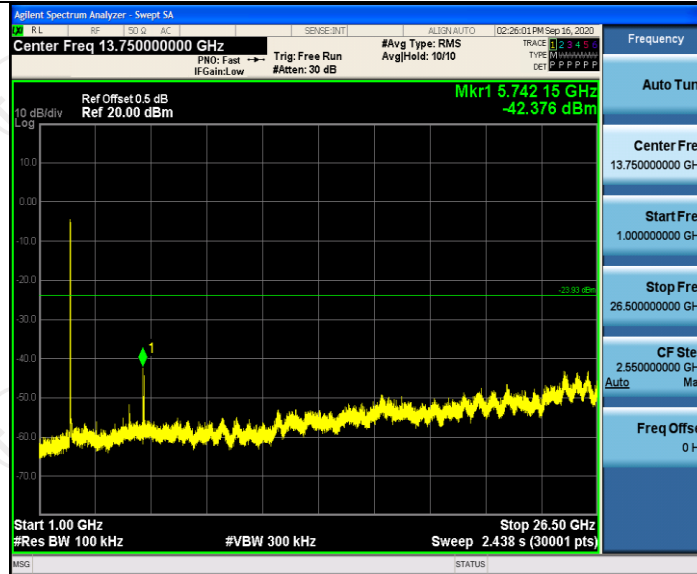
11G_Ant1_2412_0~Reference



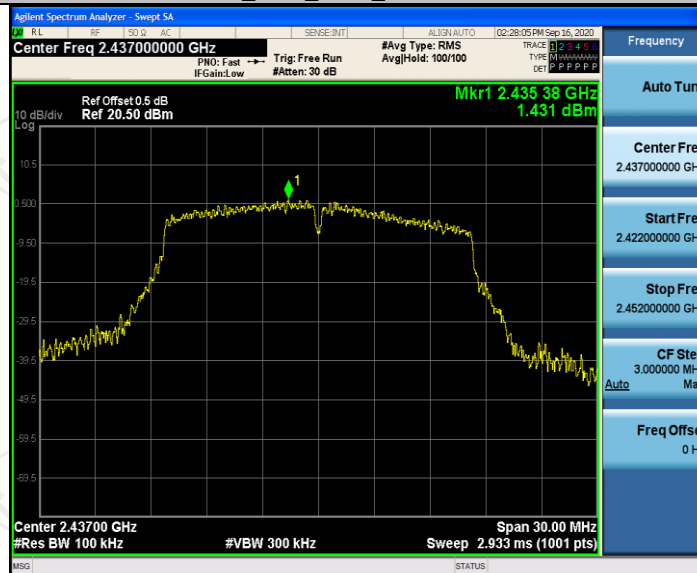
11G_Ant1_2412_30~1000



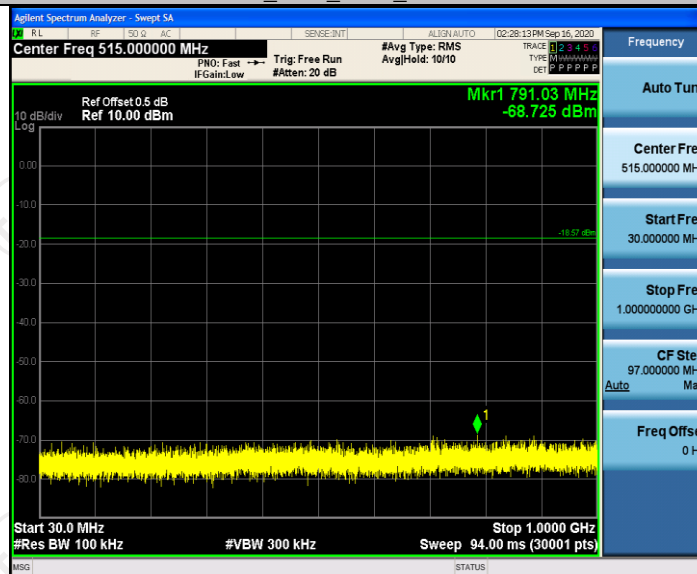
11G_Ant1_2412_1000~26500



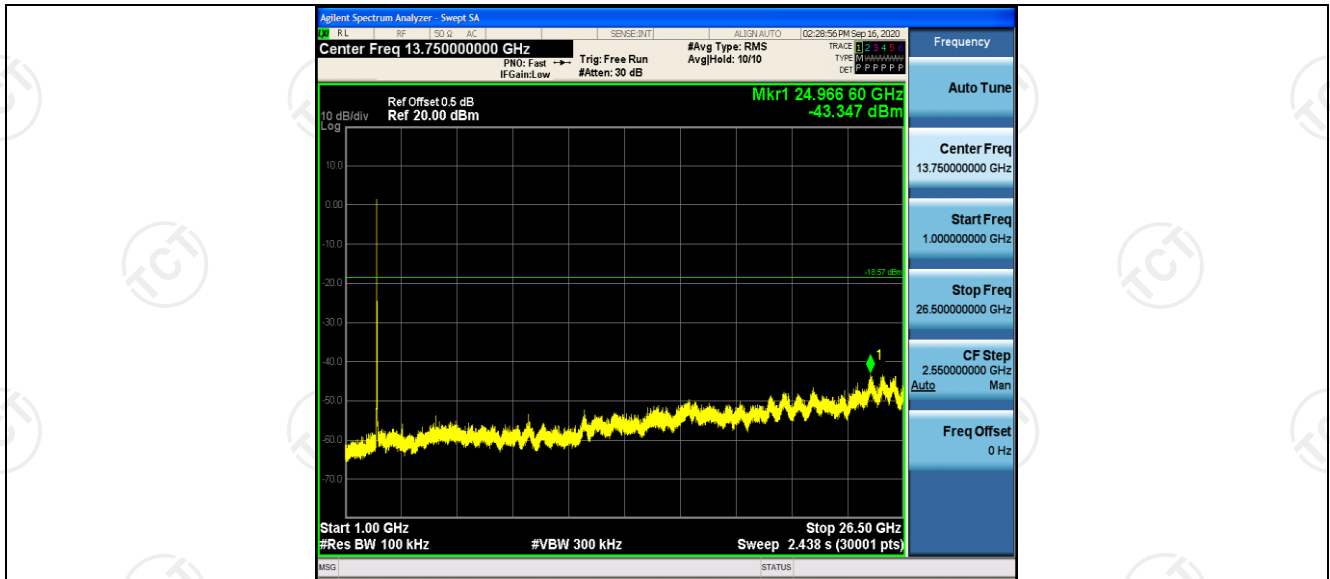
11G_Ant1_2437_0-Reference



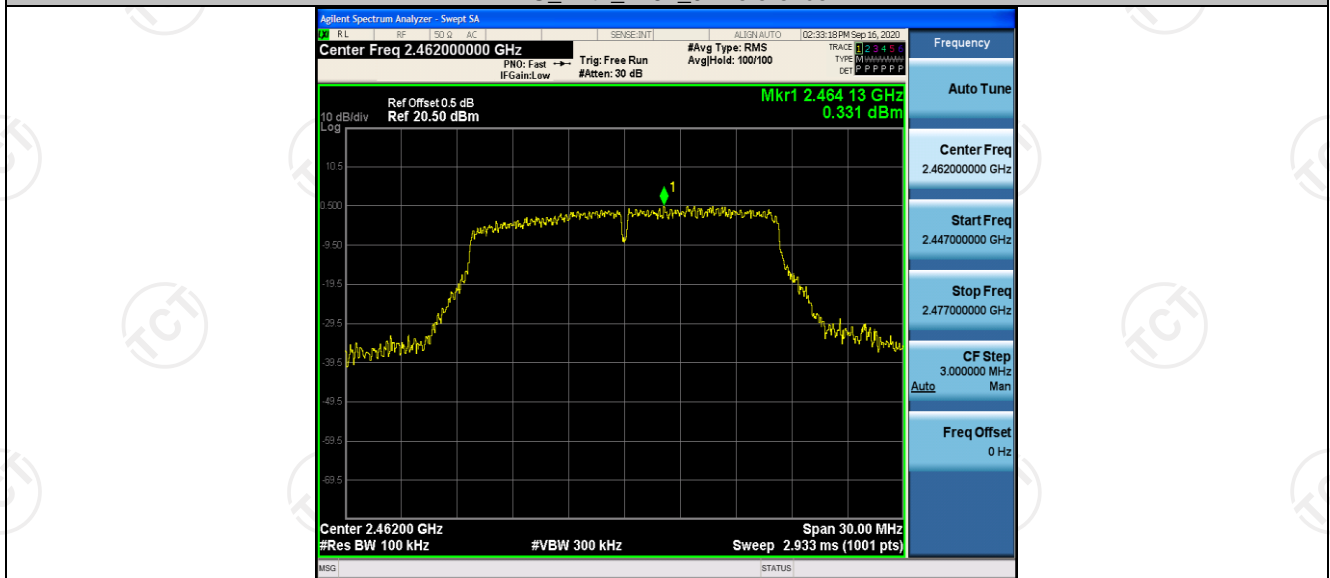
11G_Ant1_2437_30~1000



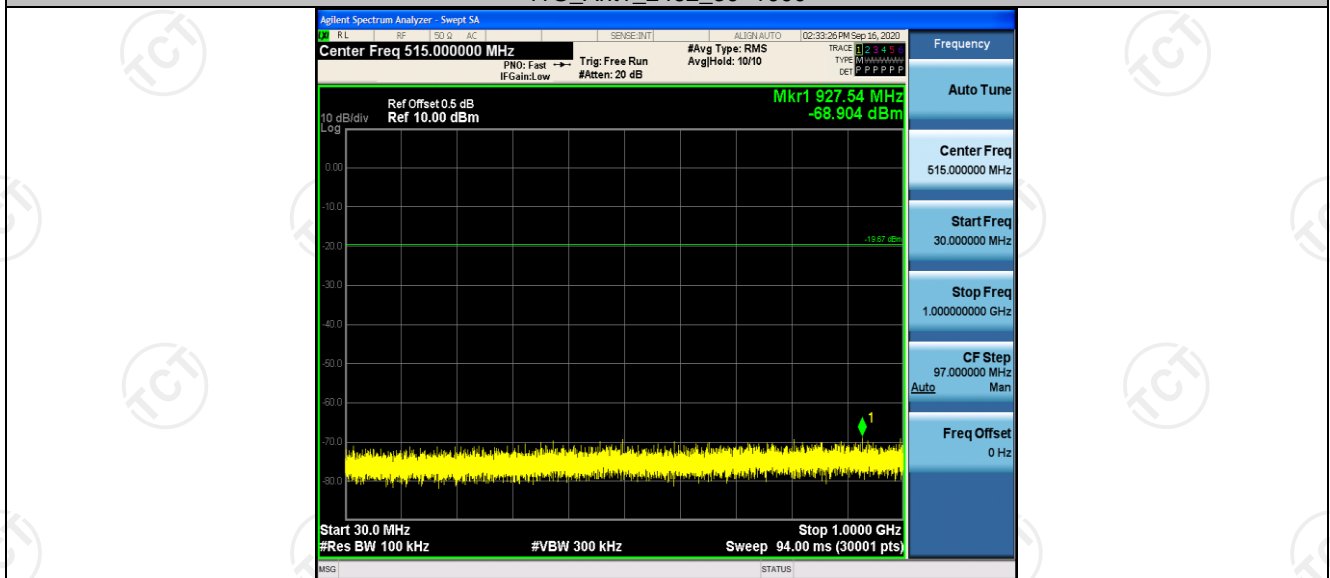
11G_Ant1_2437_1000~26500



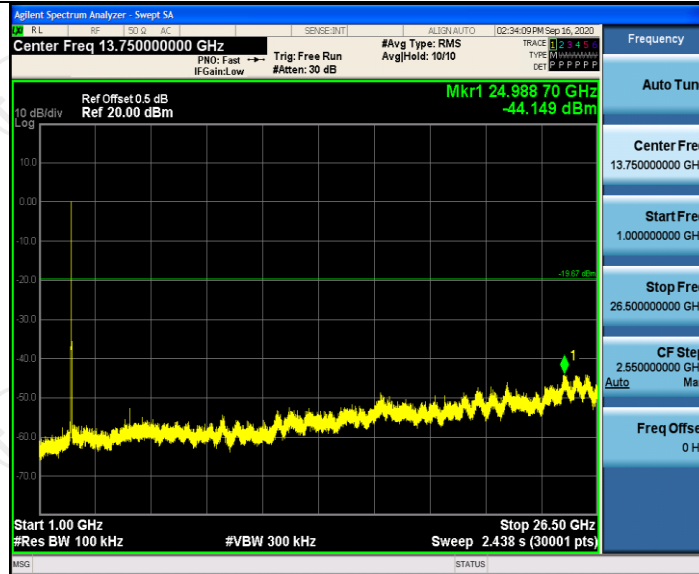
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



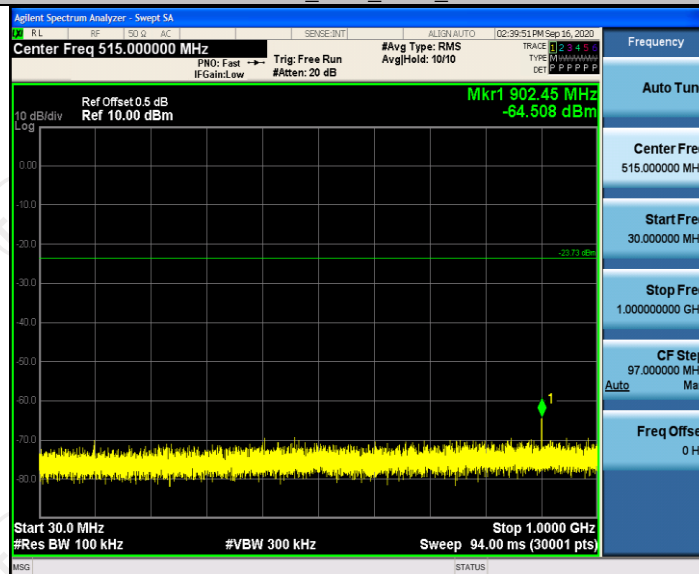
11G_Ant1_2462_1000~26500



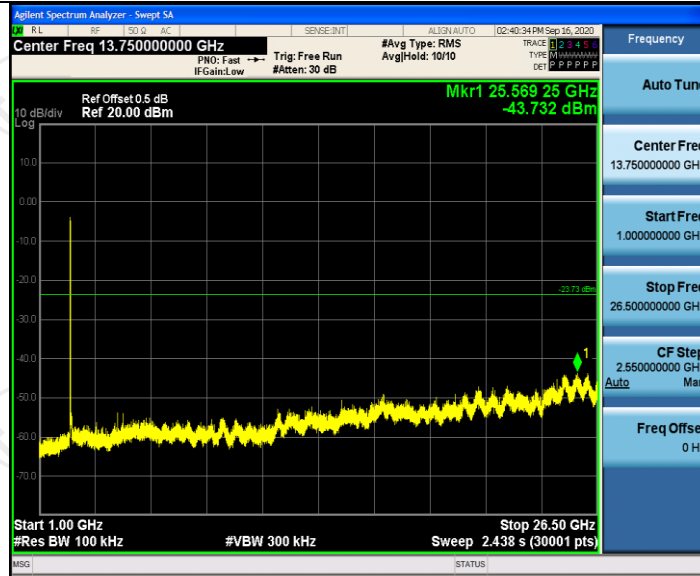
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



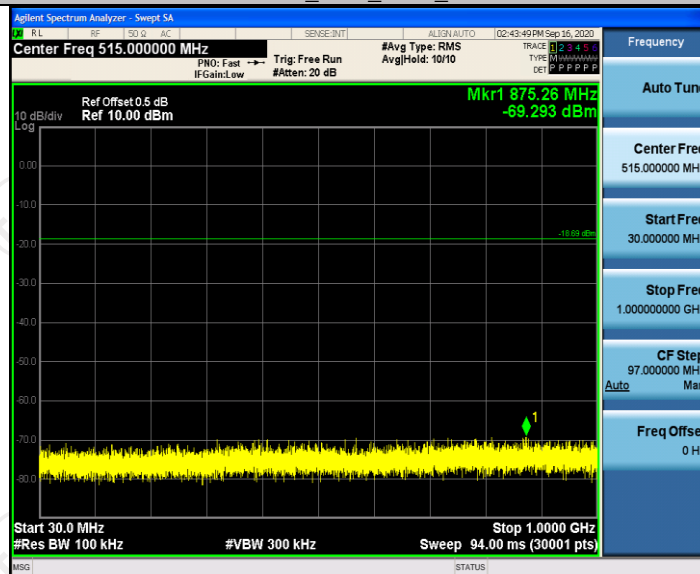
11N20SISO_Ant1_2412_1000~26500



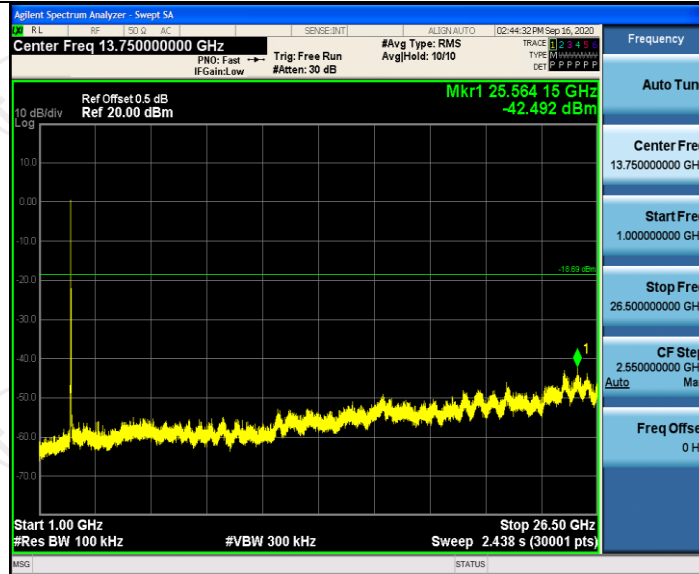
11N20SISO_Ant1_2437_0~Reference



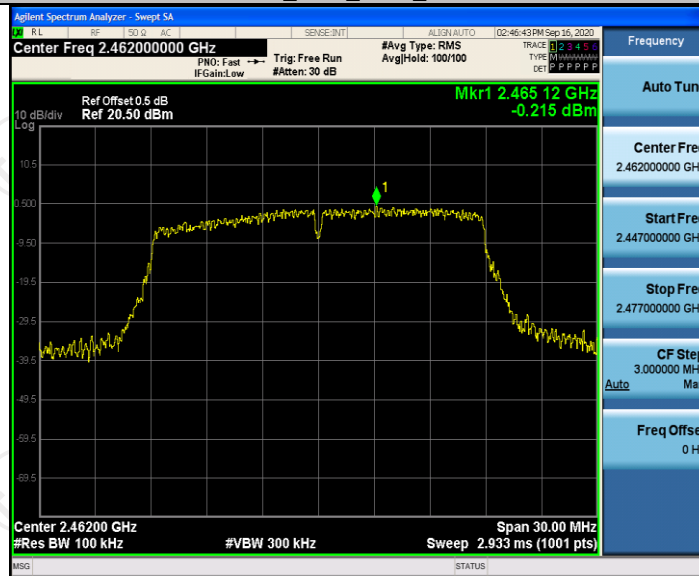
11N20SISO_Ant1_2437_30~1000



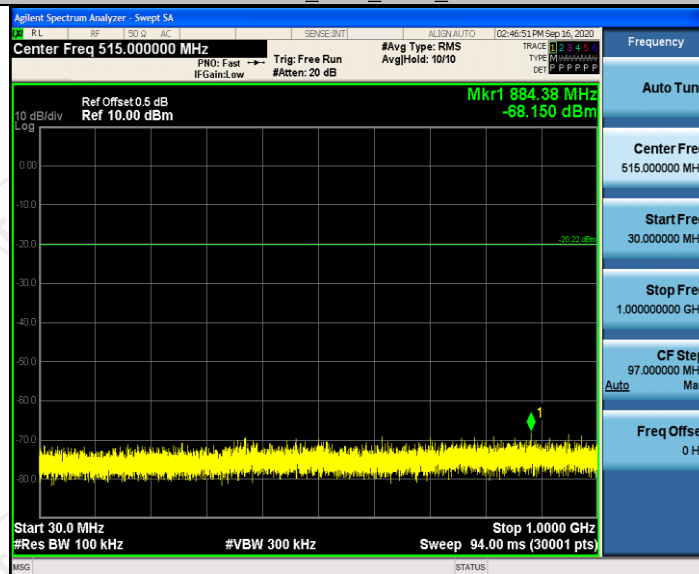
11N20SISO_Ant1_2437_1000~26500



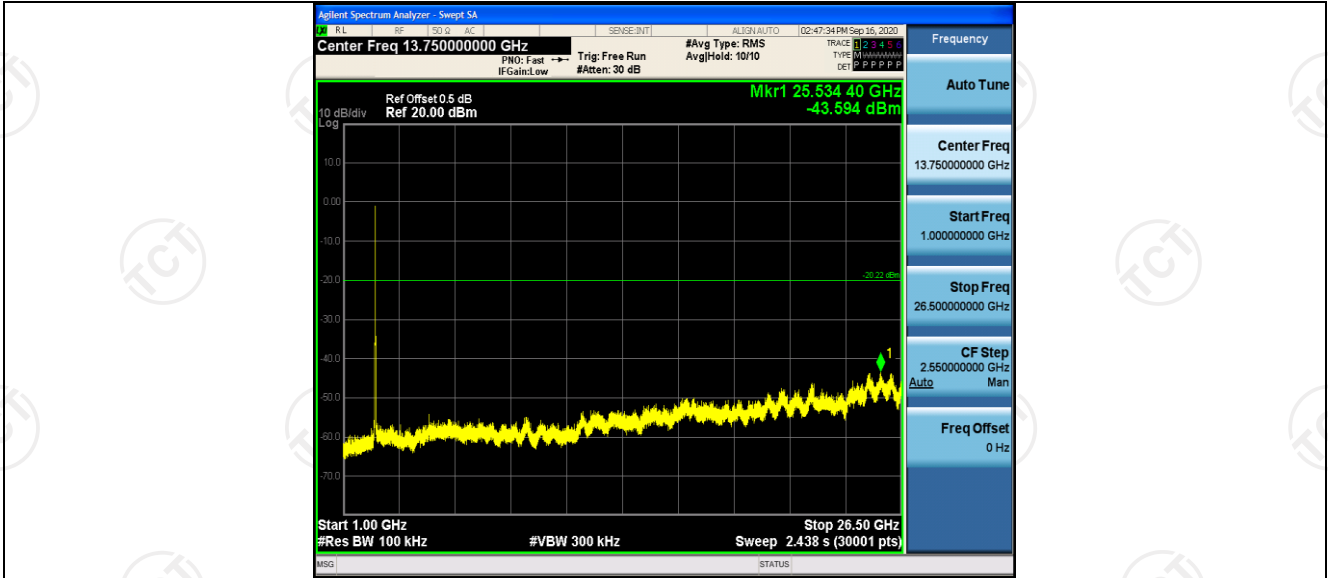
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500

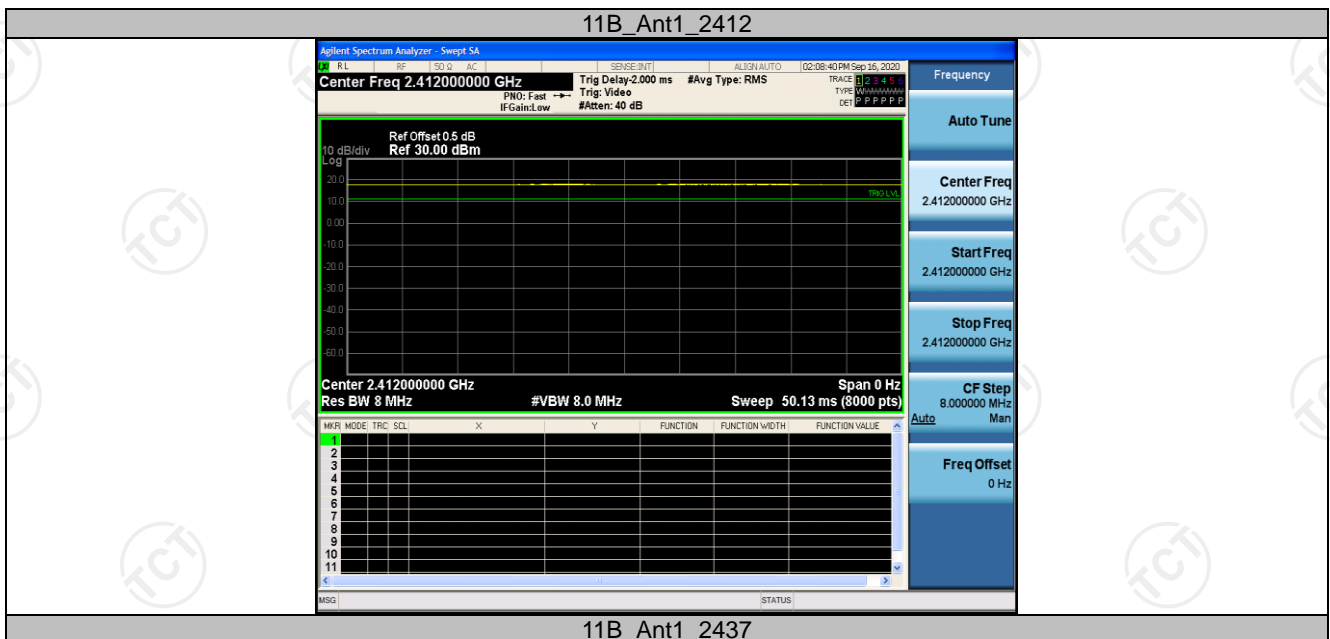


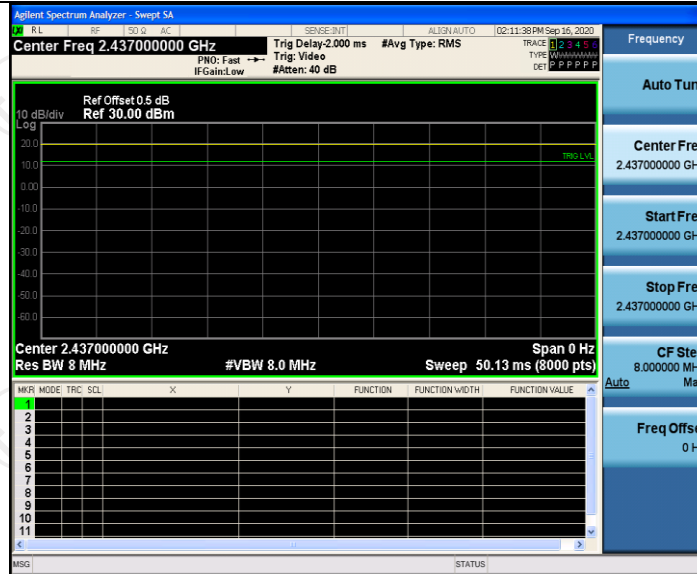
Duty Cycle

Test Result

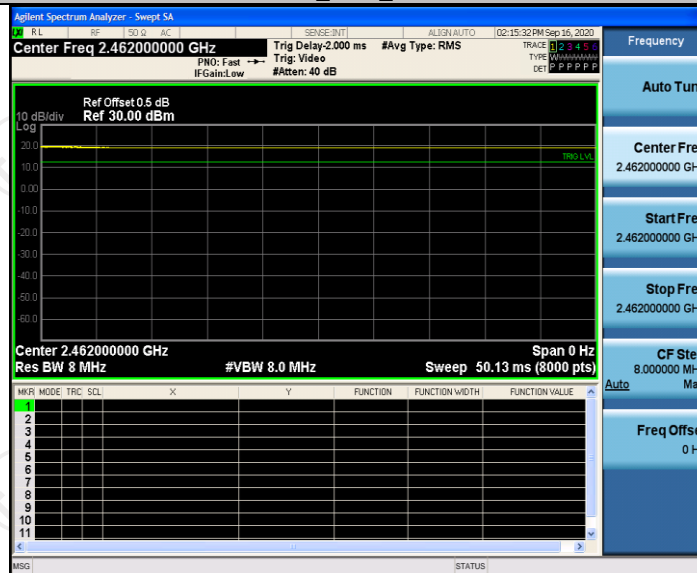
Test Mode	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	2412	50.00	50.00	100.00	---	PASS
	2437	50.00	50.00	100.00	---	PASS
	2462	50.00	50.00	100.00	---	PASS
11G	2412	50.00	50.00	100.00	---	PASS
	2437	50.00	50.00	100.00	---	PASS
	2462	50.00	50.00	100.00	---	PASS
11N20SISO	2412	50.00	50.00	100.00	---	PASS
	2437	50.00	50.00	100.00	---	PASS
	2462	50.00	50.00	100.00	---	PASS

Test Graphs

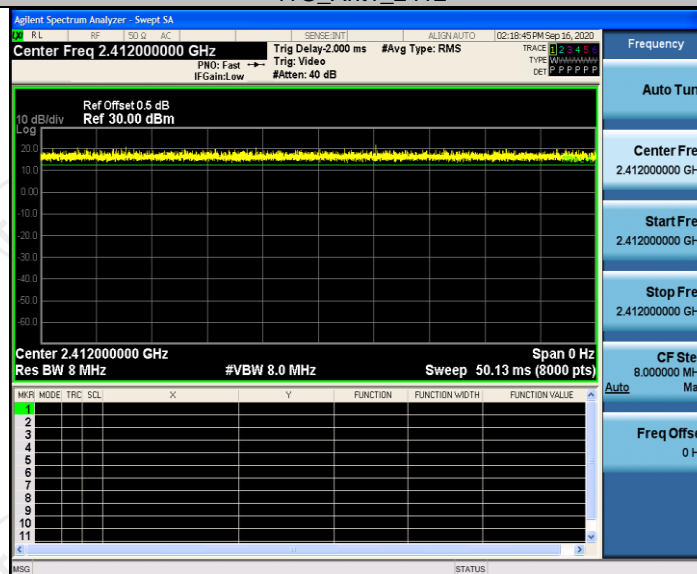




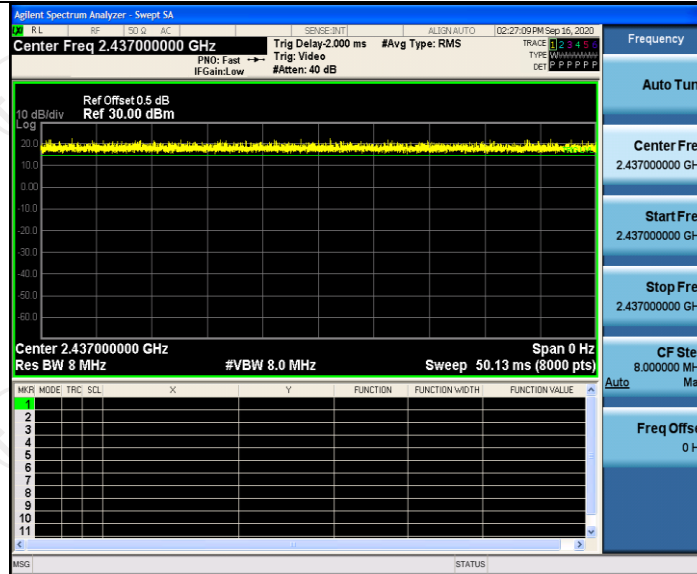
11B_Ant1_2462



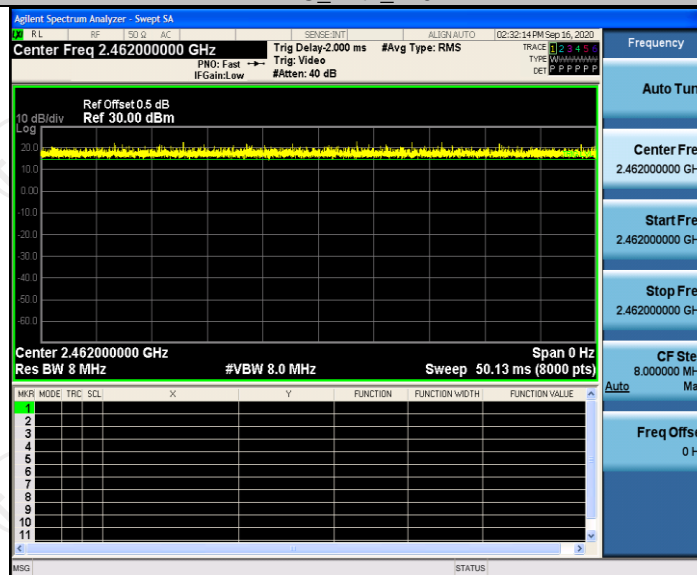
11G_Ant1_2412



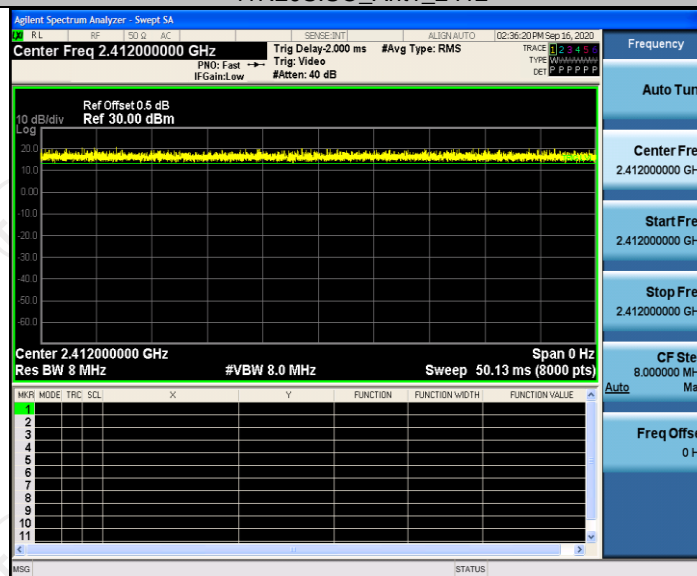
11G_Ant1_2437



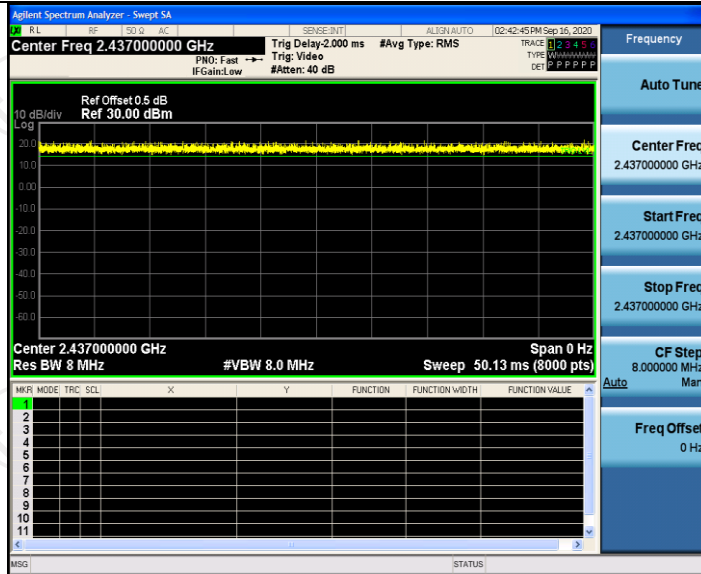
11G_Ant1_2462



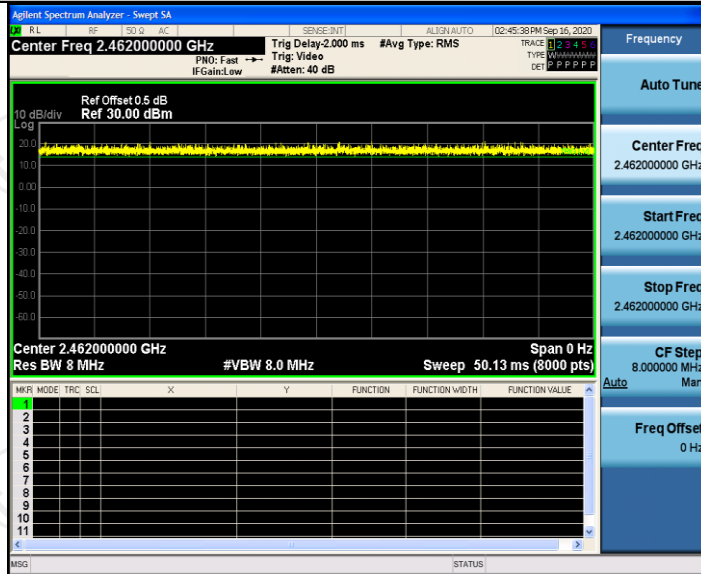
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix B: Photographs of Test Setup

Refer to the test report No. TCT200910E036

Appendix C: Photographs of EUT

Refer to the test report No. TCT200910E036

*******END OF REPORT*******