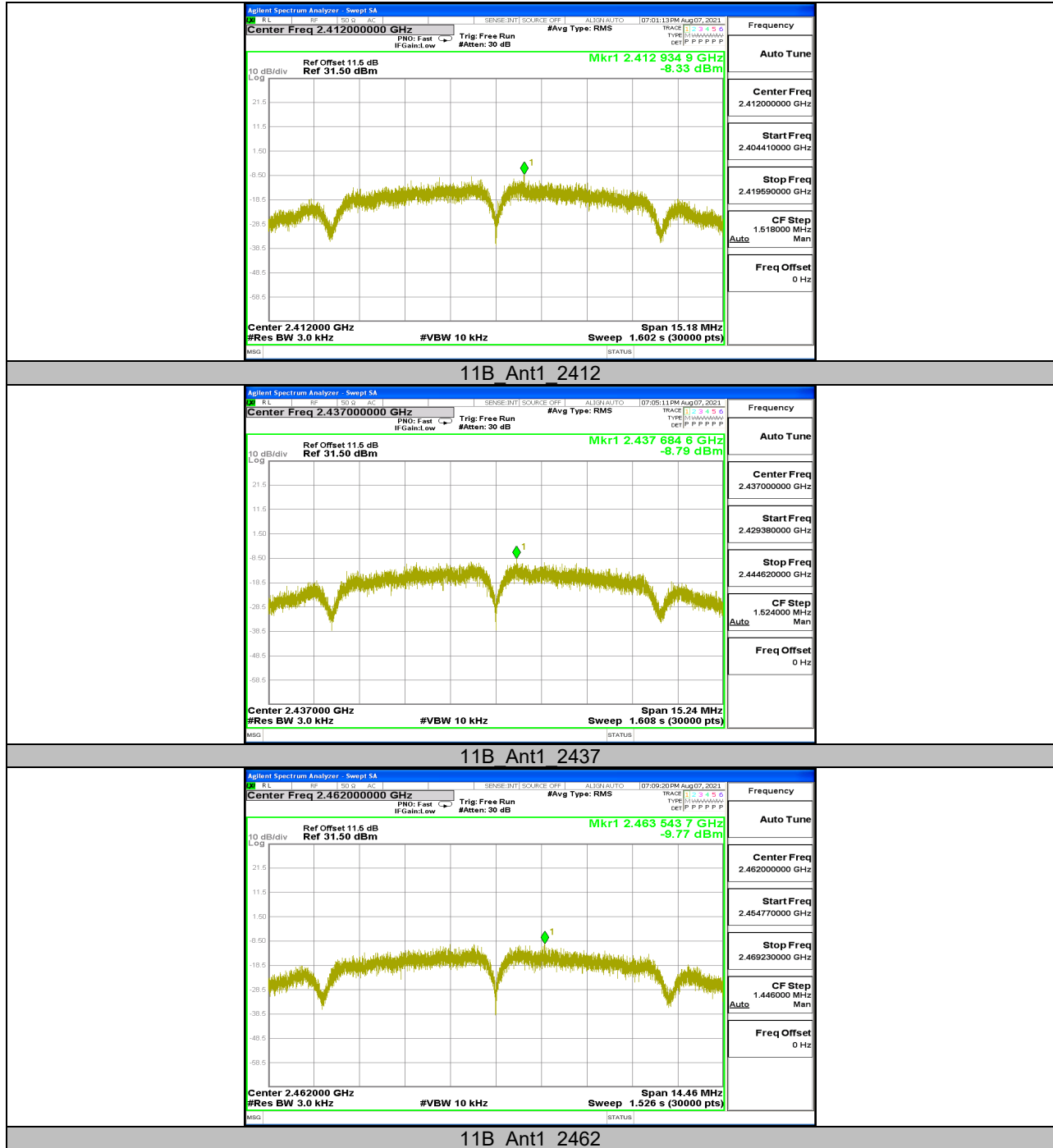
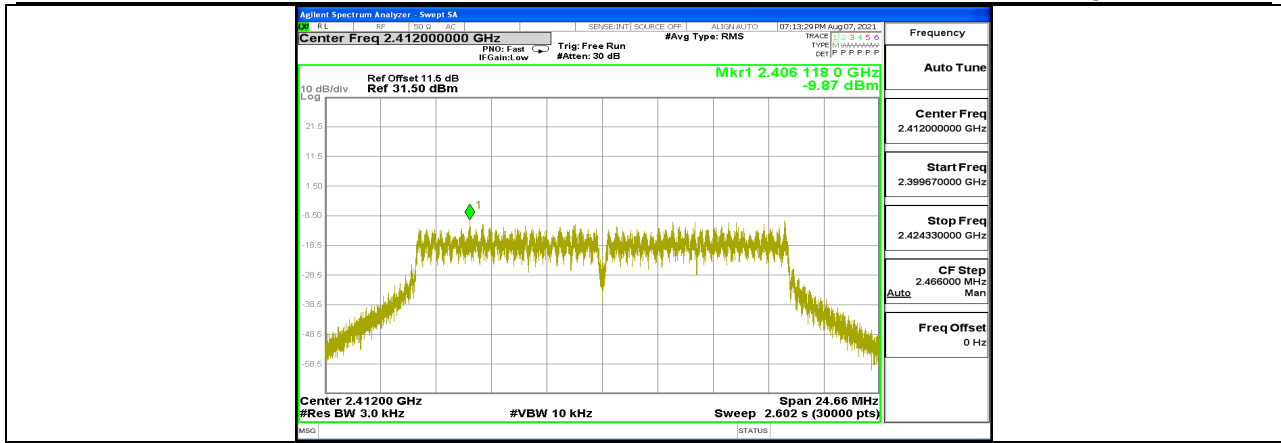


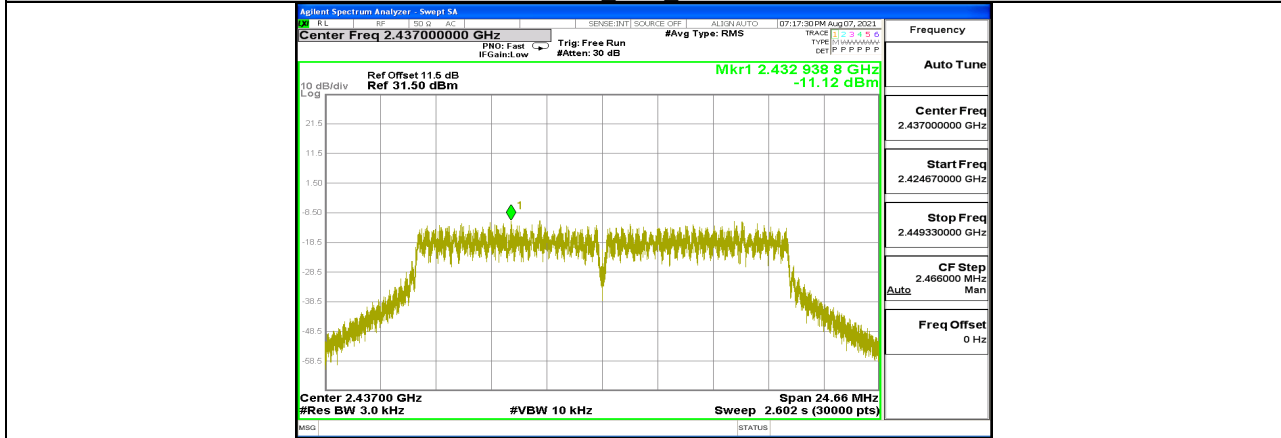


11.4.2. Test Graphs

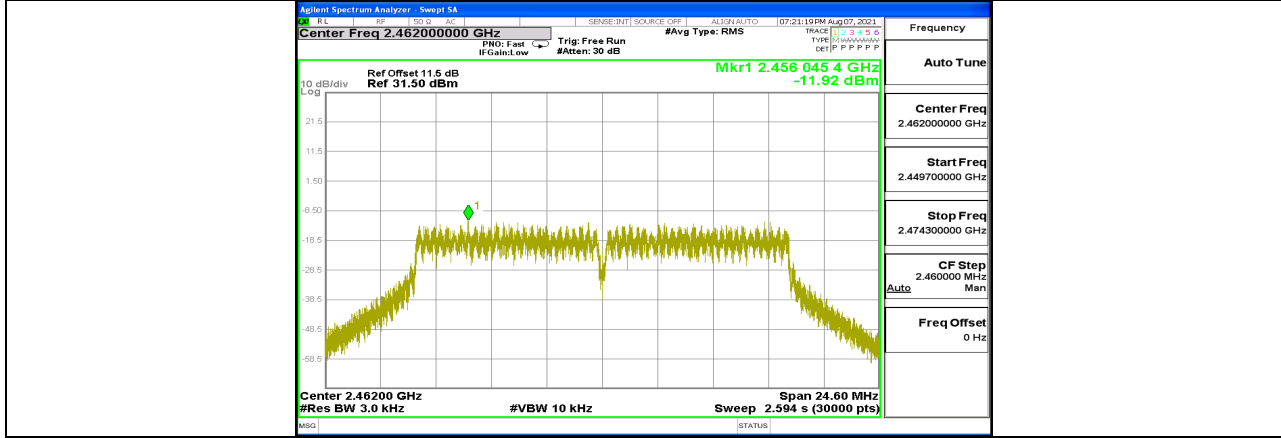




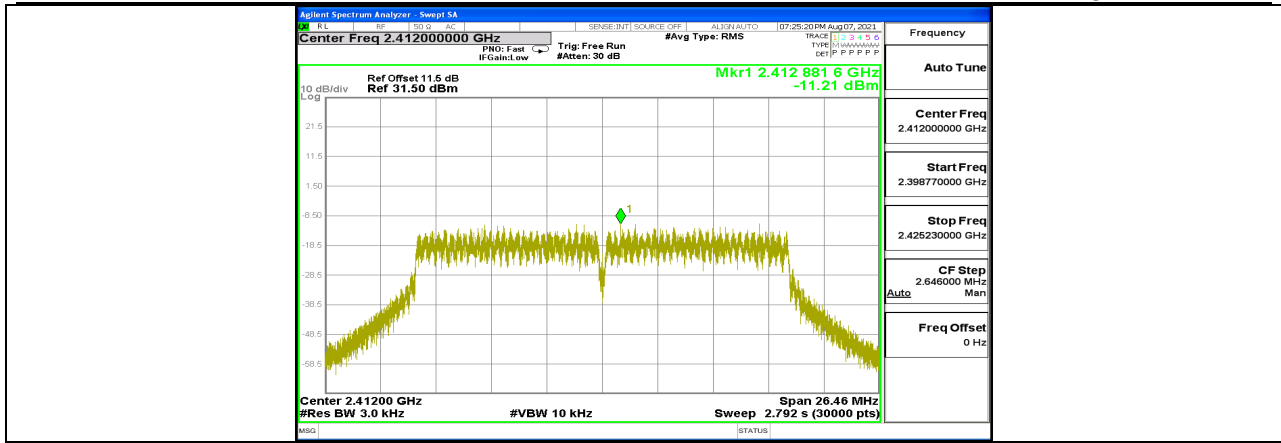
11G Ant1_2412



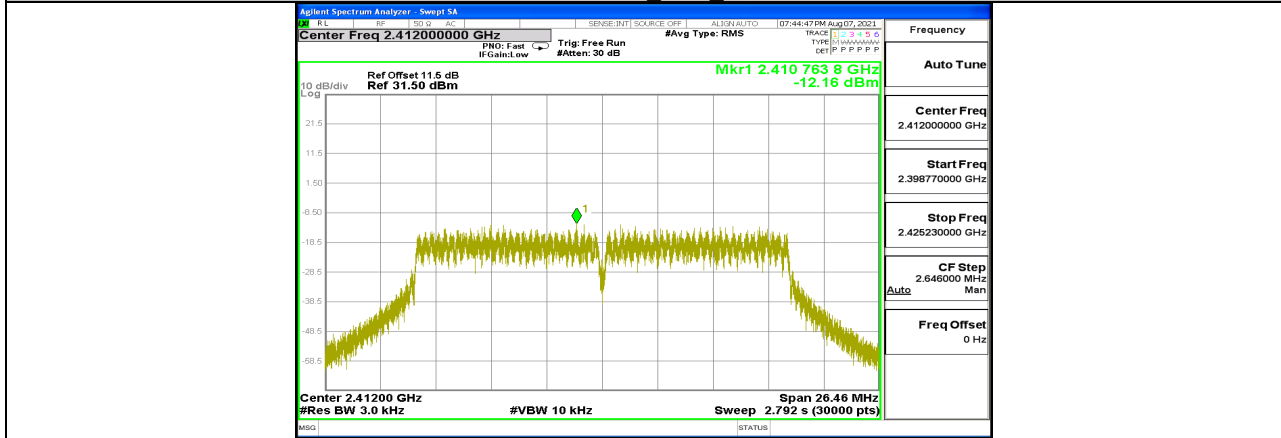
11G Ant1_2437



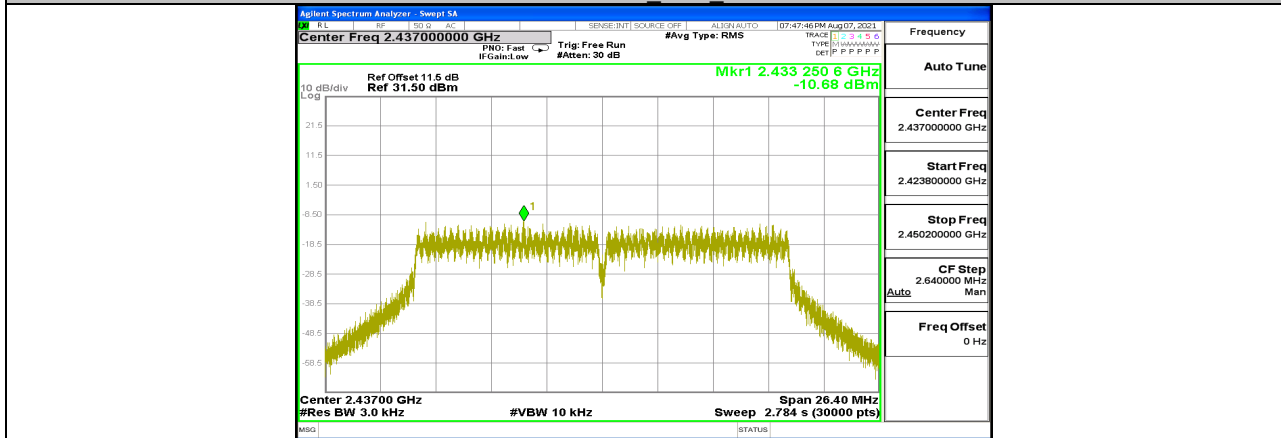
11G Ant1_2462



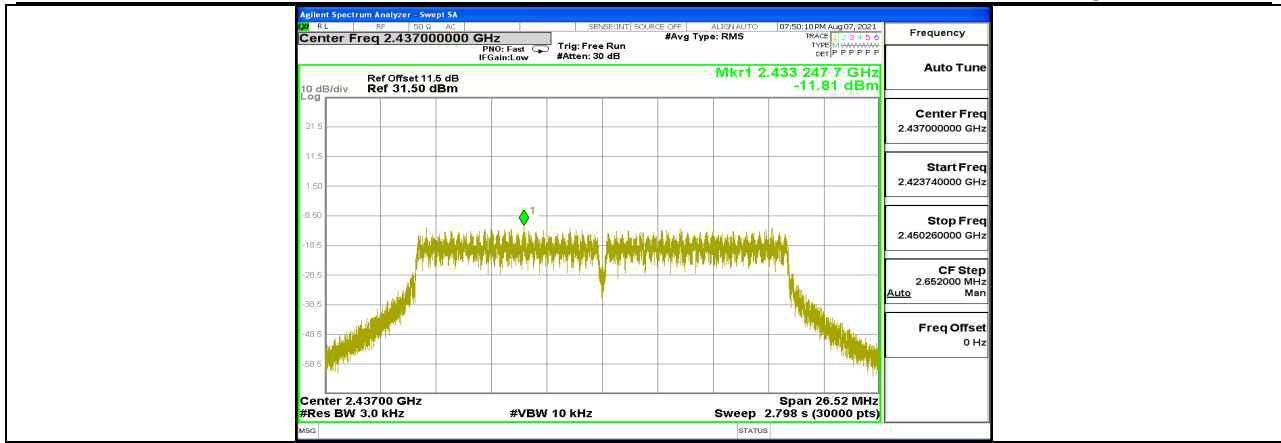
11N20MIMO Ant1 2412



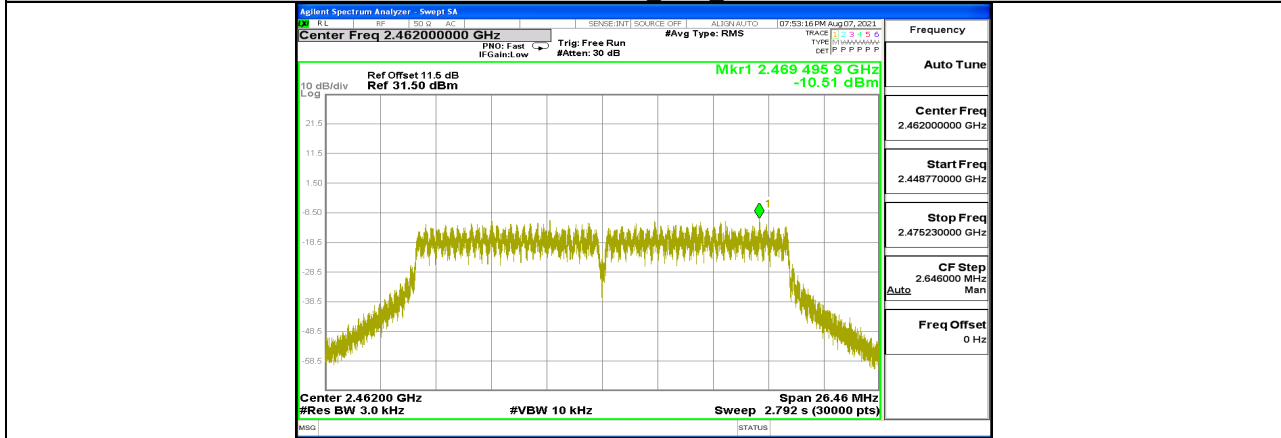
11N20MIMO Ant2 2412



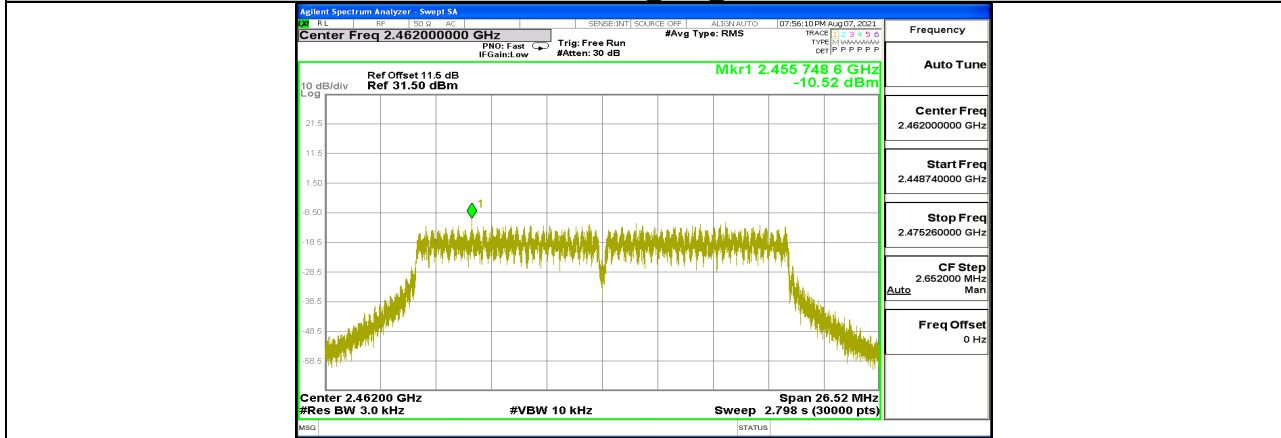
11N20MIMO Ant1 2437



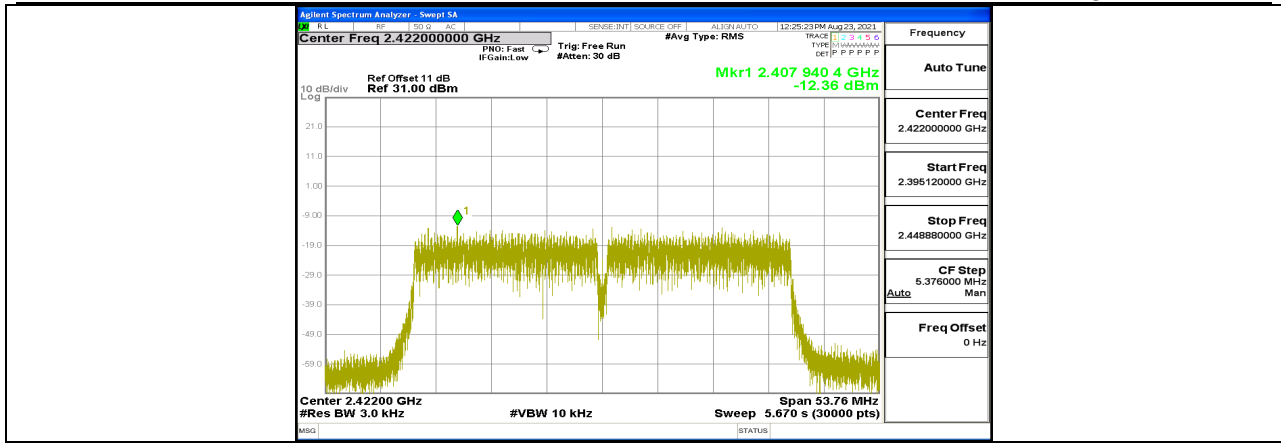
11N20MIMO Ant2 2437



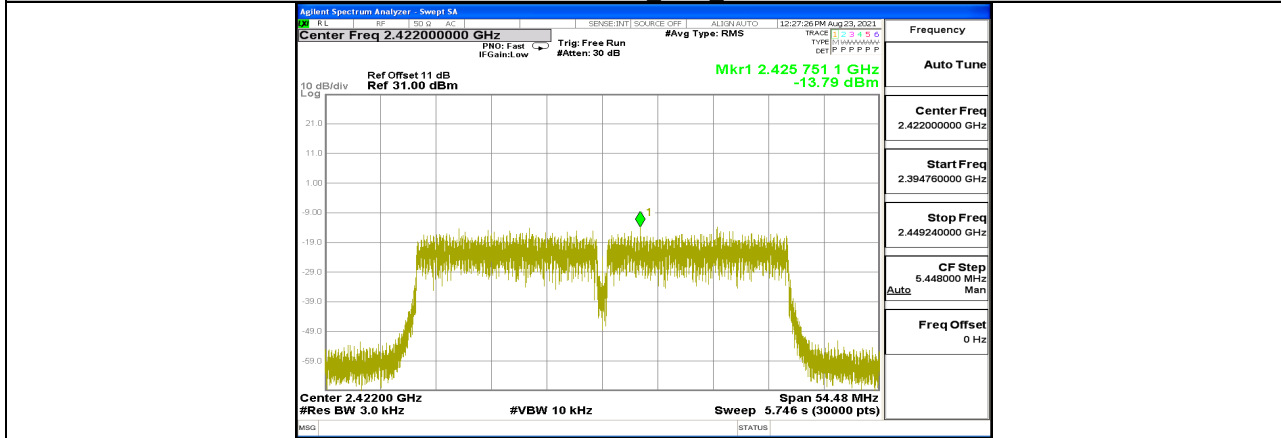
11N20MIMO Ant1 2462



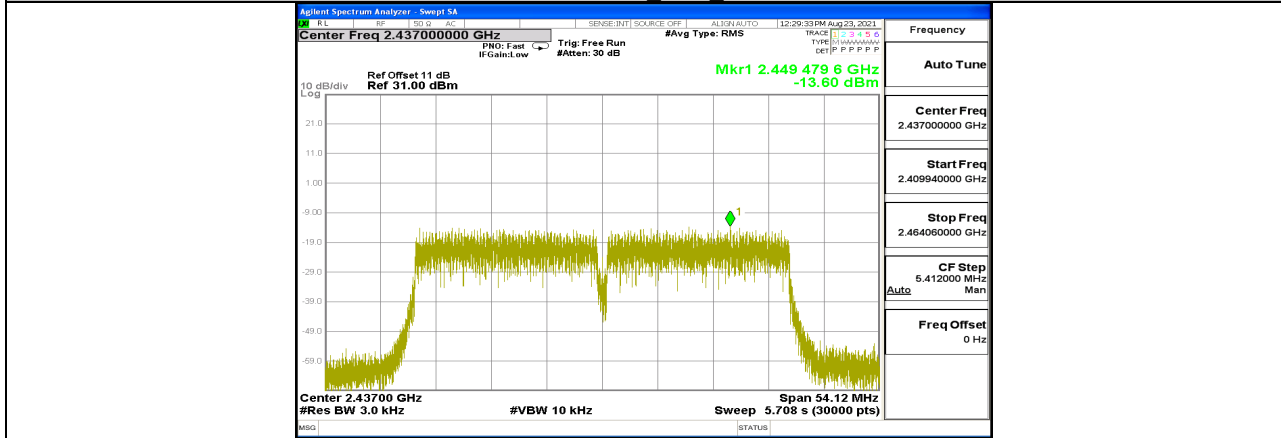
11N20MIMO Ant2 2462



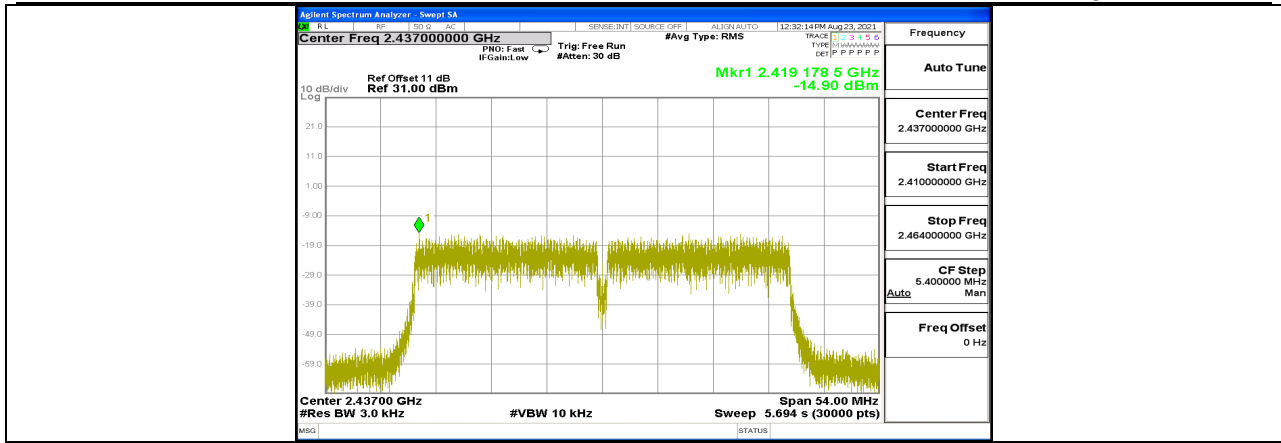
11N40MIMO Ant1 2422



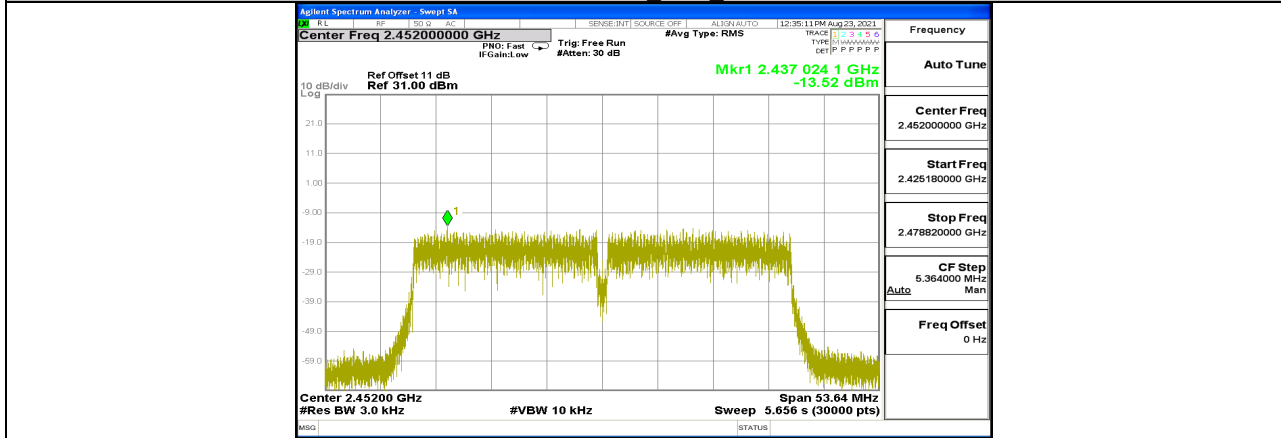
11N40MIMO Ant2 2422



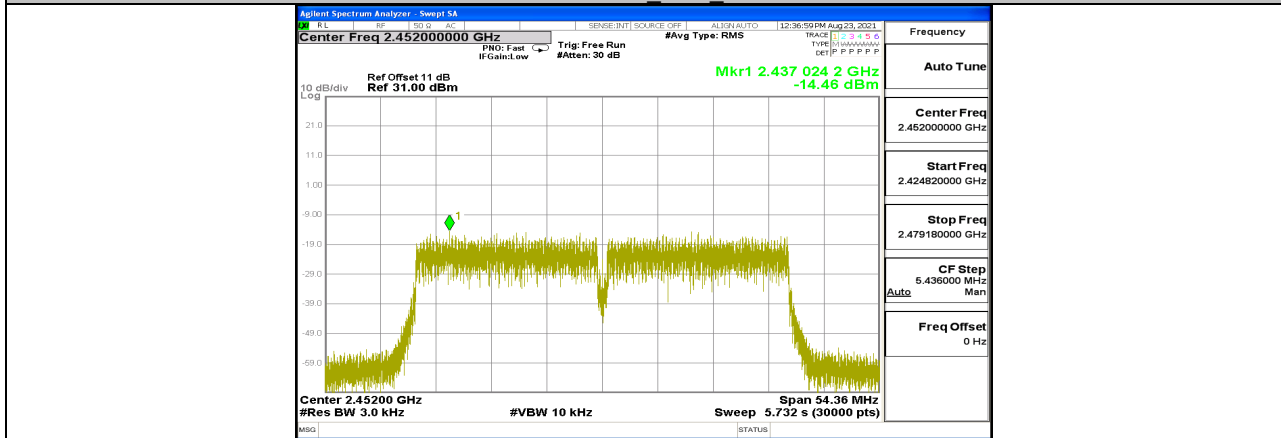
11N40MIMO Ant1 2437



11N40MIMO Ant2 2437



11N40MIMO Ant1 2452



11N40MIMO Ant2 2452



11.5. Appendix E: Band edge measurements

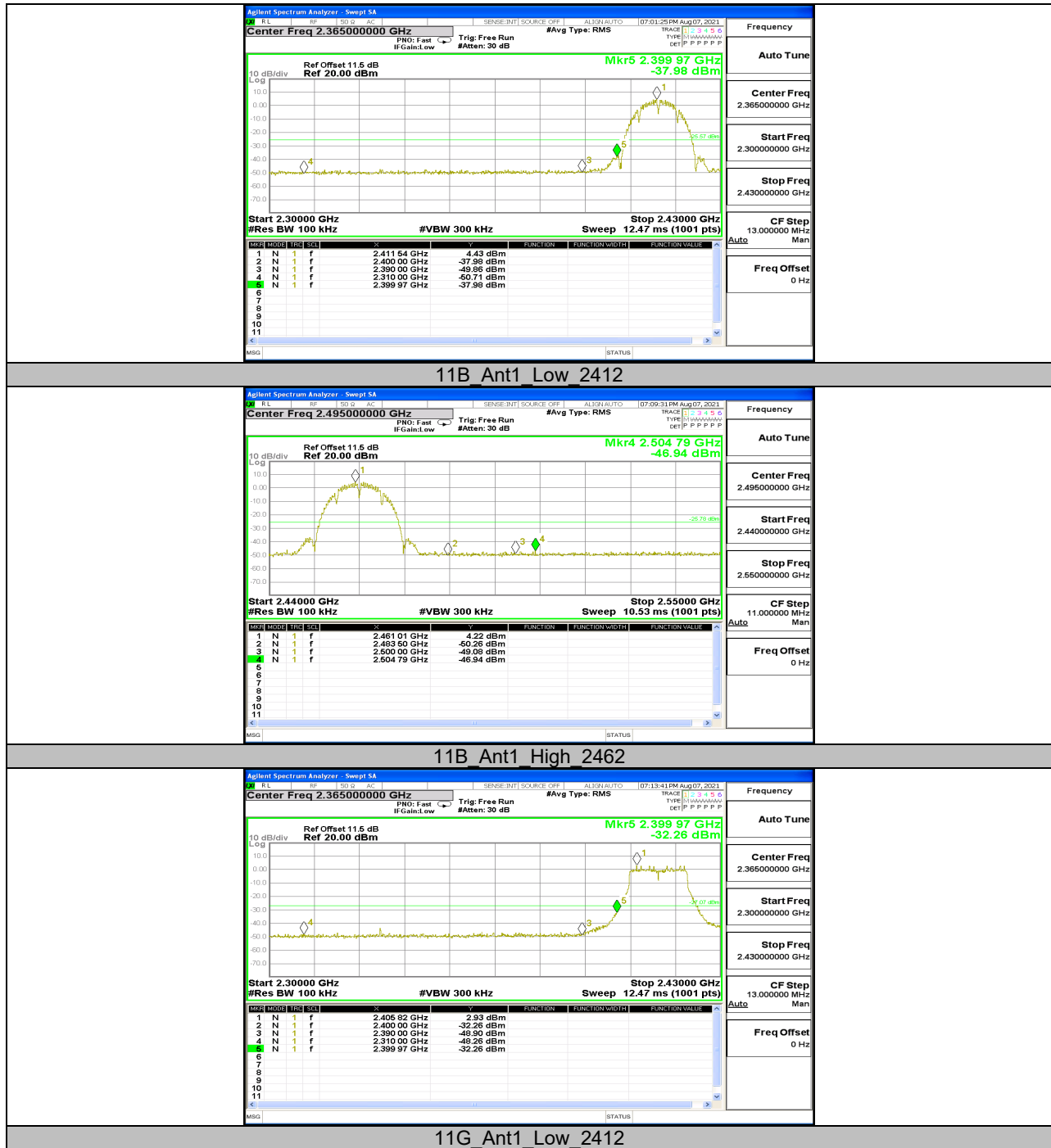
11.5.1. Test Result

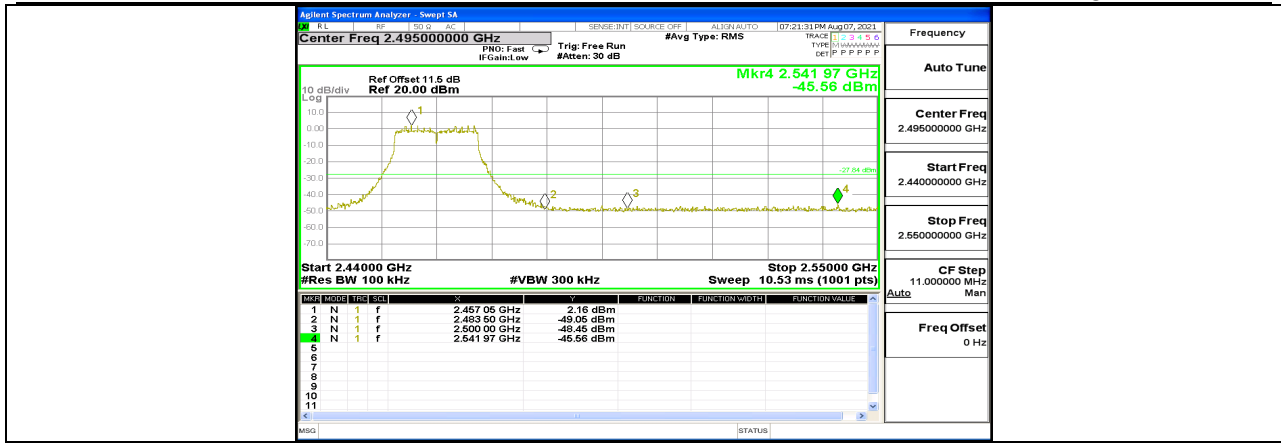
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.43	-37.98	≤-25.57	PASS
		High	2462	4.22	-46.94	≤-25.78	PASS
11G	Ant1	Low	2412	2.93	-32.26	≤-27.07	PASS
		High	2462	2.16	-45.56	≤-27.84	PASS
11N20MIMO	Ant1	Low	2412	2.57	-31.48	≤-27.43	PASS
	Ant2	Low	2412	1.73	-31.42	≤-28.28	PASS
	Ant1	High	2462	3.20	-44.28	≤-26.8	PASS
	Ant2	High	2462	2.44	-42.26	≤-27.56	PASS
11N40MIMO	Ant1	Low	2422	3.84	-29.41	≤-26.16	PASS
	Ant2	Low	2422	2.53	-27.66	≤-27.47	PASS
	Ant1	High	2452	3.72	-31.21	≤-26.28	PASS
	Ant2	High	2452	2.74	-30.21	≤-27.26	PASS

Note: For 802.11b & g modes, both antennas had been tested, only the worst data was recorded in the report.

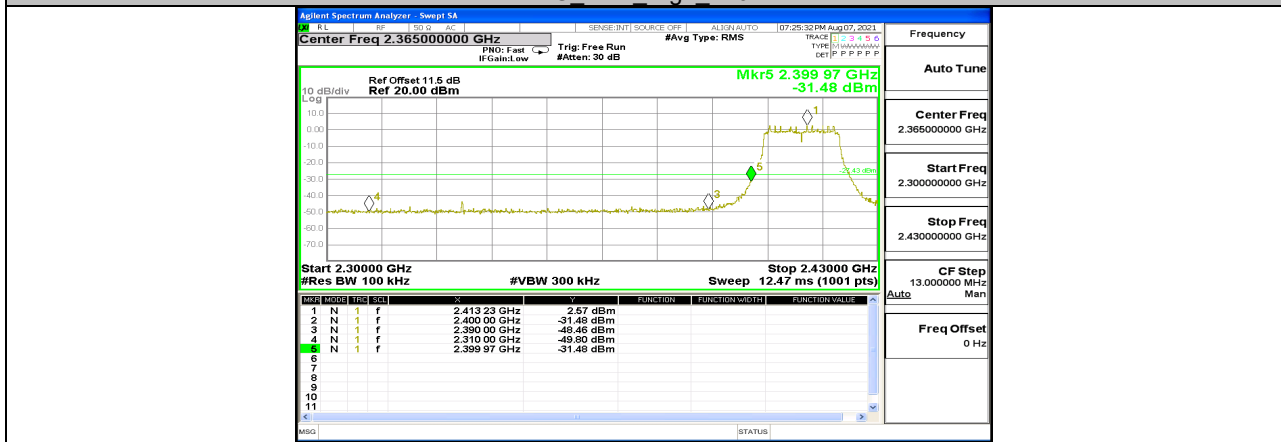


11.5.2. Test Graphs

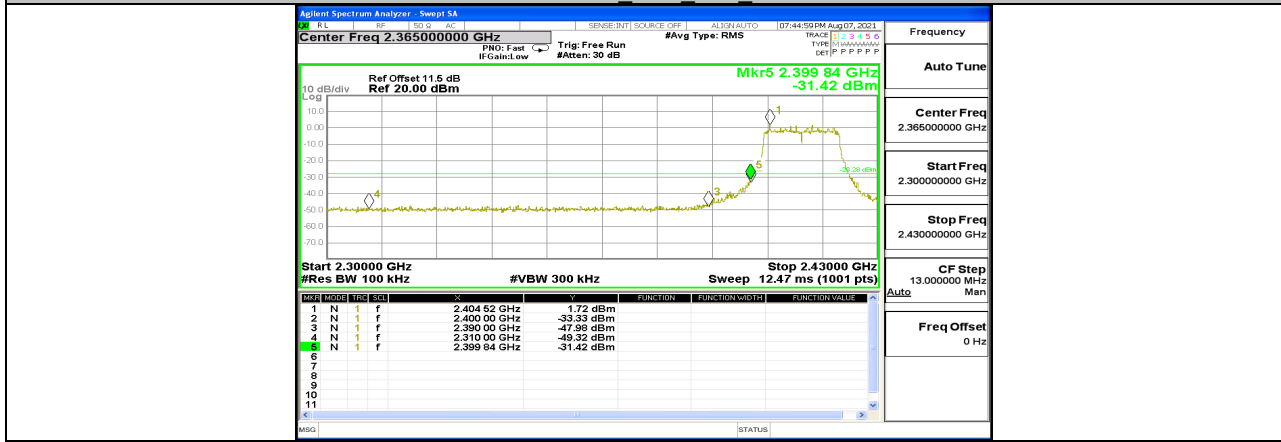




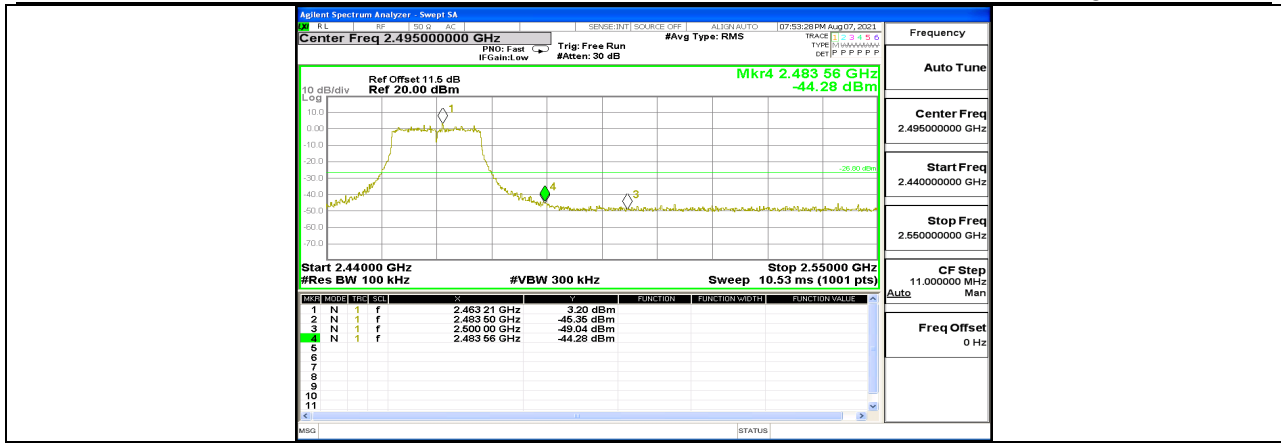
11G Ant1 High 2462



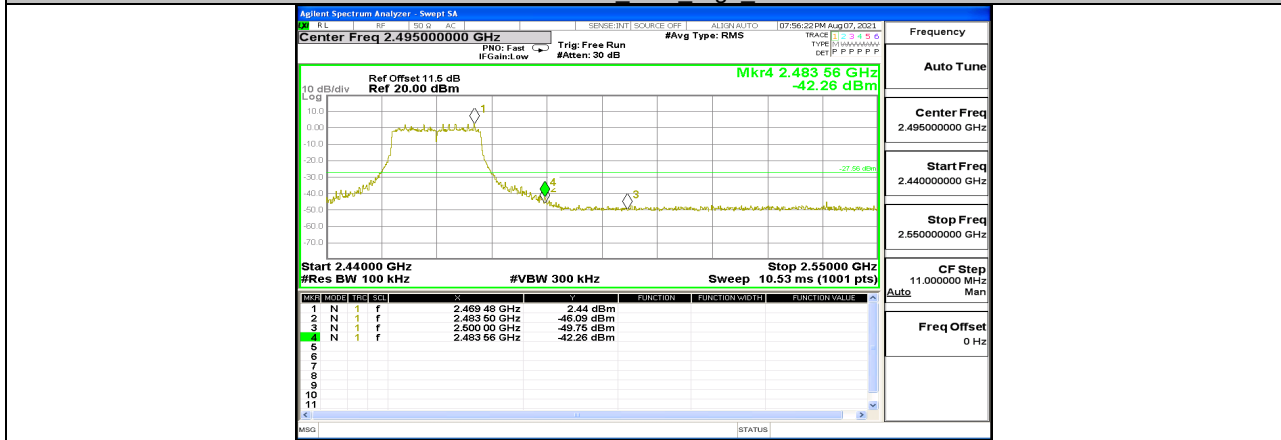
11N20MIMO Ant1 Low 2412



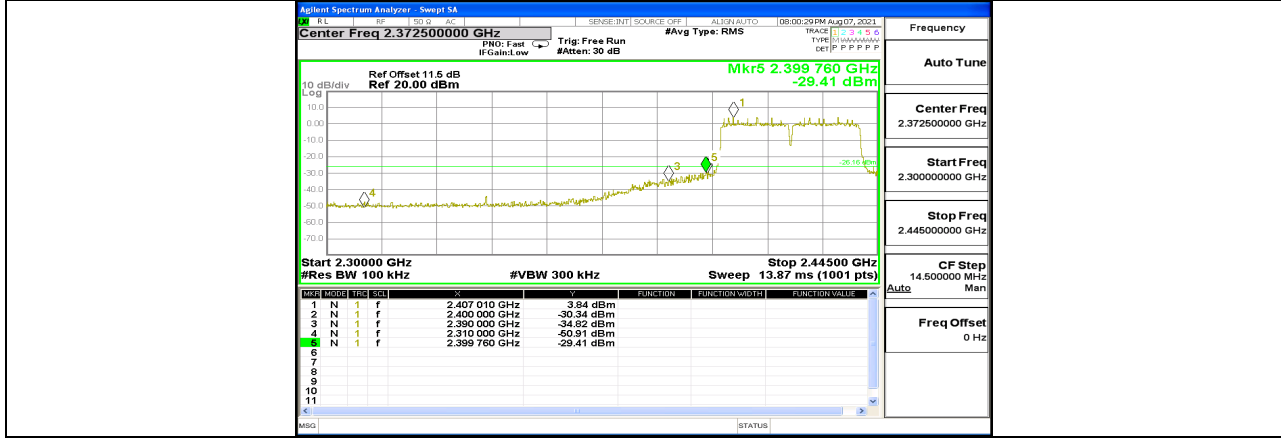
11N20MIMO Ant2 Low 2412



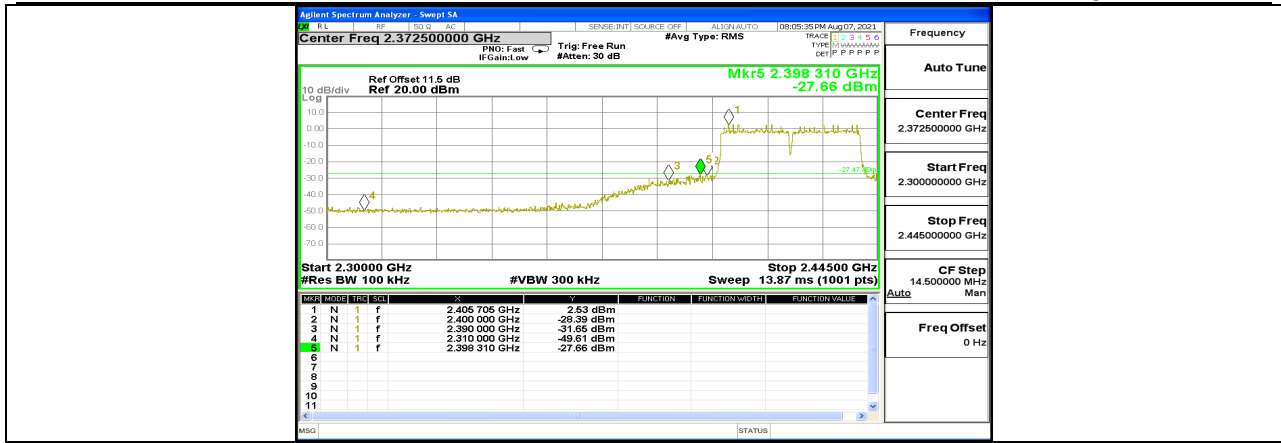
11N20MIMO Ant1 High 2462



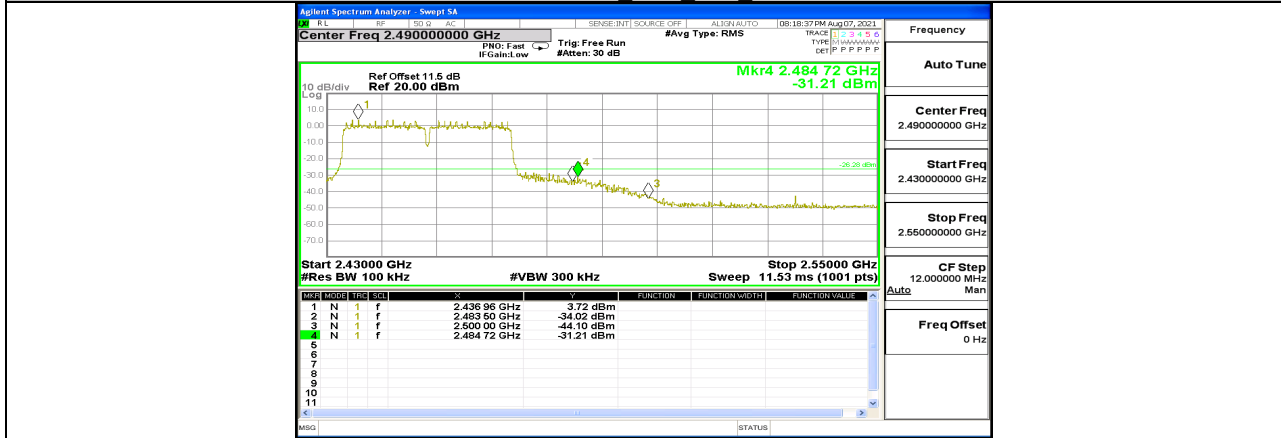
11N20MIMO Ant2 High 2462



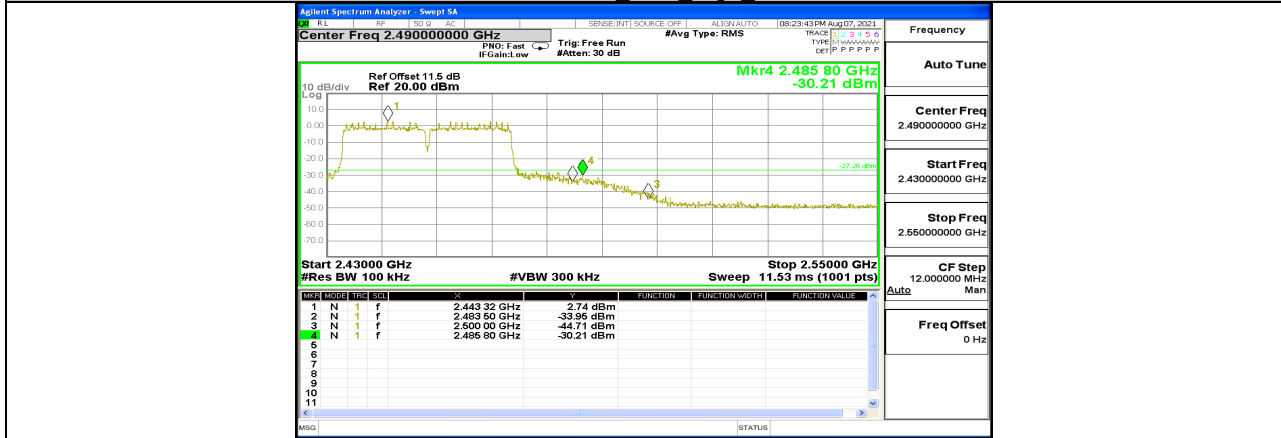
11N40MIMO Ant1 Low 2422



11N40MIMO Ant2 Low 2422



11N40MIMO Ant1 High 2452



11N40MIMO Ant2 High 2452

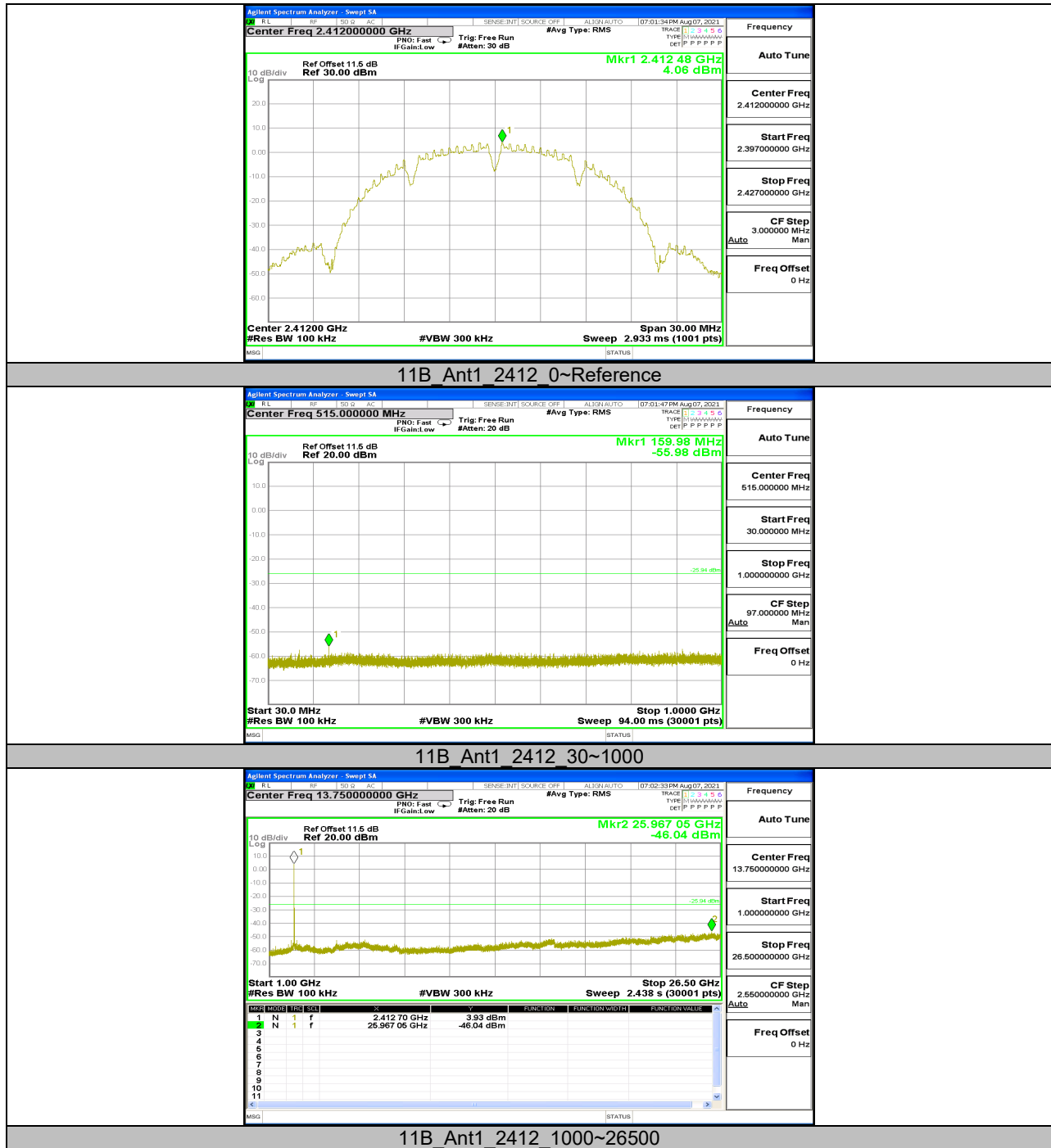
**11.6. Appendix F: Conducted Spurious Emission****11.6.1. Test Result**

Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.06	---	PASS
			30~1000	-55.98	≤-25.94	PASS
			1000~26500	-46.04	≤-25.94	PASS
		2437	Reference	4.37	---	PASS
			30~1000	-55.9	≤-25.63	PASS
			1000~26500	-46.29	≤-25.63	PASS
		2462	Reference	4.30	---	PASS
			30~1000	-56.61	≤-25.7	PASS
			1000~26500	-46.92	≤-25.7	PASS
11G	Ant1	2412	Reference	2.62	---	PASS
			30~1000	-52.16	≤-27.39	PASS
			1000~26500	-46.3	≤-27.39	PASS
		2437	Reference	2.85	---	PASS
			30~1000	-53.19	≤-27.15	PASS
			1000~26500	-46.04	≤-27.15	PASS
		2462	Reference	2.17	---	PASS
			30~1000	-52.42	≤-27.83	PASS
			1000~26500	-45.99	≤-27.83	PASS
11N20MIMO	Ant1	2412	Reference	2.91	---	PASS
			30~1000	-52.55	≤-27.09	PASS
			1000~26500	-46.3	≤-27.09	PASS
	Ant2	2412	Reference	2.10	---	PASS
			30~1000	-54.53	≤-27.9	PASS
			1000~26500	-46.53	≤-27.9	PASS
	Ant1	2437	Reference	2.94	---	PASS
			30~1000	-51.98	≤-27.06	PASS
			1000~26500	-46.41	≤-27.06	PASS
	Ant2	2437	Reference	2.48	---	PASS
			30~1000	-54.99	≤-27.52	PASS
			1000~26500	-46.19	≤-27.52	PASS
	Ant1	2462	Reference	3.01	---	PASS
			30~1000	-52.63	≤-26.99	PASS
			1000~26500	-45.7	≤-26.99	PASS
	Ant2	2462	Reference	2.78	---	PASS
			30~1000	-54.47	≤-27.23	PASS
			1000~26500	-46.61	≤-27.23	PASS
11N40MIMO	Ant1	2422	Reference	3.84	---	PASS
			30~1000	-49.09	≤-26.16	PASS
			1000~26500	-45.72	≤-26.16	PASS
	Ant2	2422	Reference	2.69	---	PASS
			30~1000	-52.79	≤-27.31	PASS
			1000~26500	-46.49	≤-27.31	PASS
	Ant1	2437	Reference	3.60	---	PASS
			30~1000	-47.5	≤-26.4	PASS
			1000~26500	-46.38	≤-26.4	PASS
	Ant2	2437	Reference	2.91	---	PASS
			30~1000	-52.08	≤-27.09	PASS
			1000~26500	-46.39	≤-27.09	PASS
	Ant1	2452	Reference	3.66	---	PASS
			30~1000	-50.32	≤-26.34	PASS
			1000~26500	-46.58	≤-26.34	PASS
	Ant2	2452	Reference	2.52	---	PASS
			30~1000	-53.7	≤-27.48	PASS
			1000~26500	-46.66	≤-27.48	PASS

Note: For 802.11b & g modes, both antennas had been tested, only the worst data was recorded in the report.

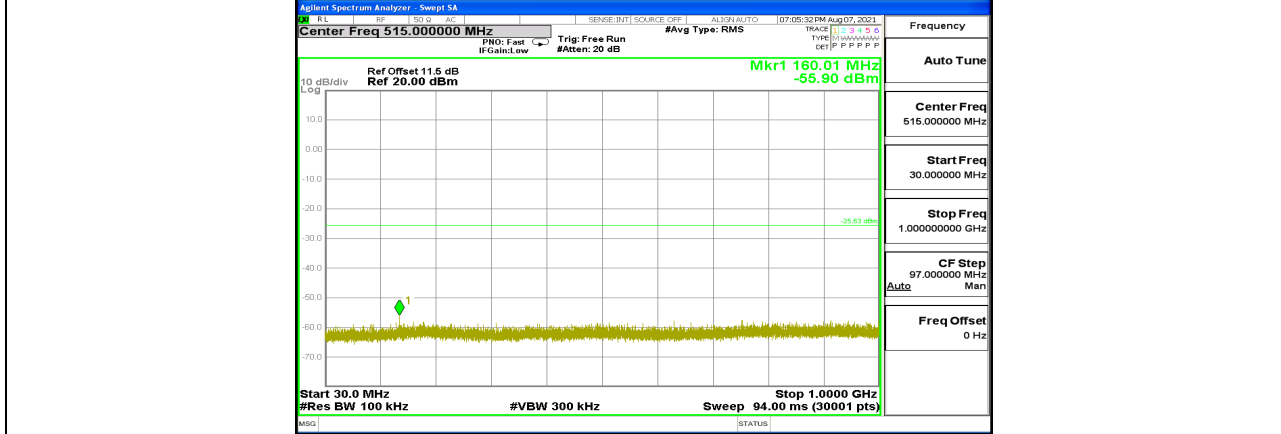


11.6.2. Test Graphs

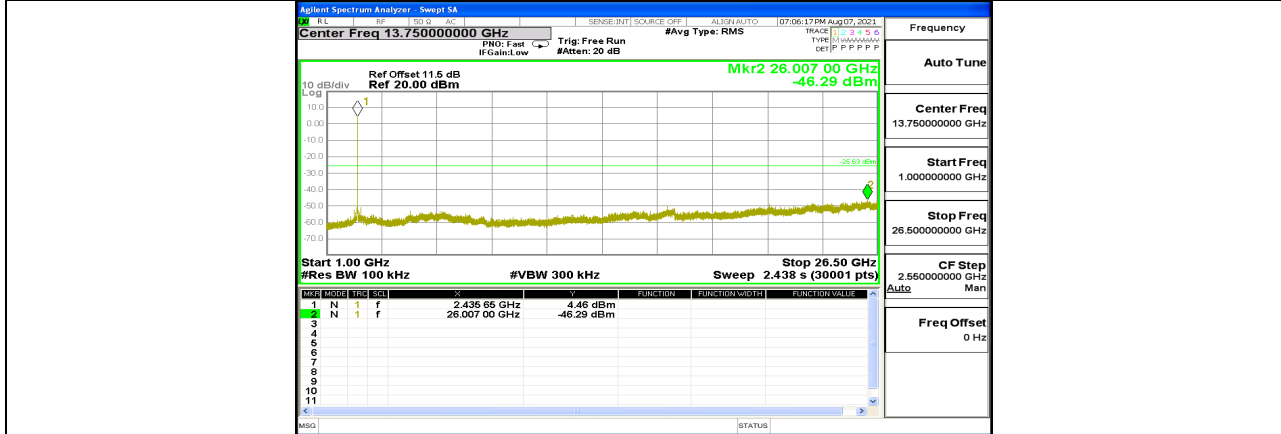




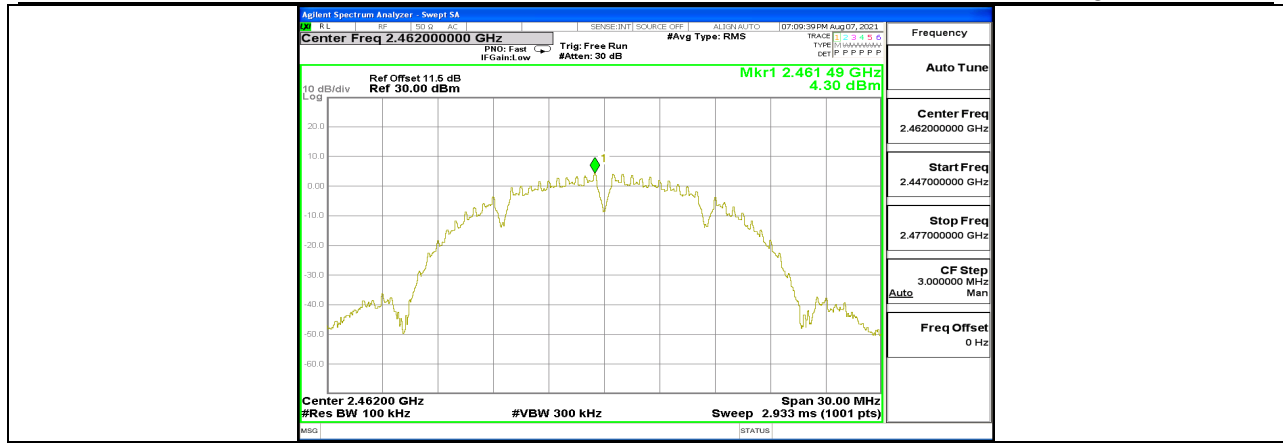
11B_Ant1_2437_0~Reference



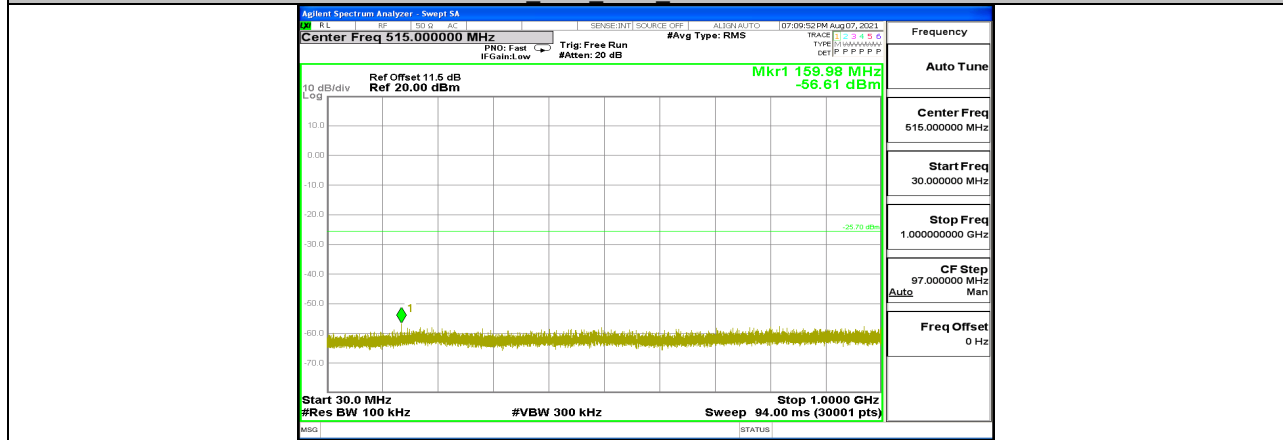
11B_Ant1_2437_30~1000



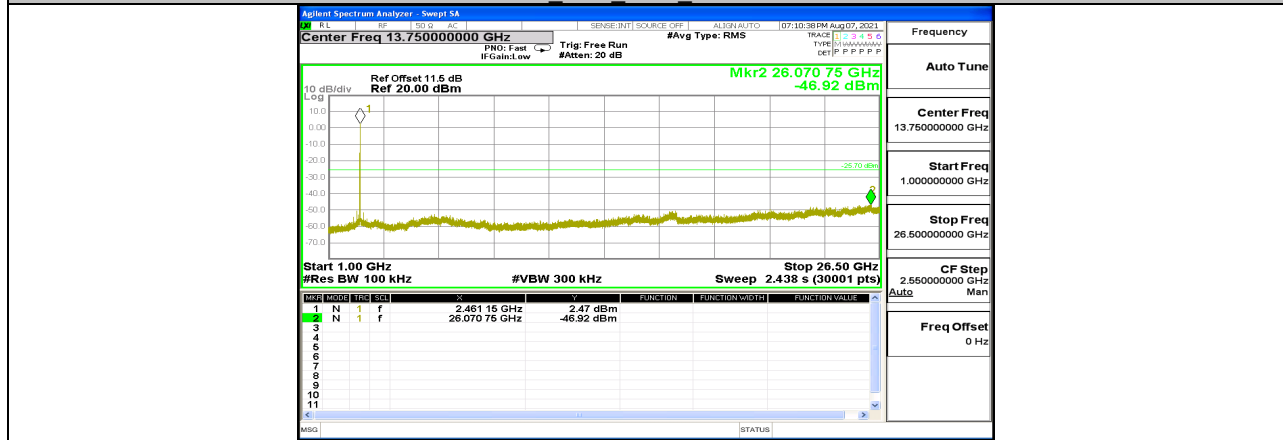
11B_Ant1_2437_1000~26500



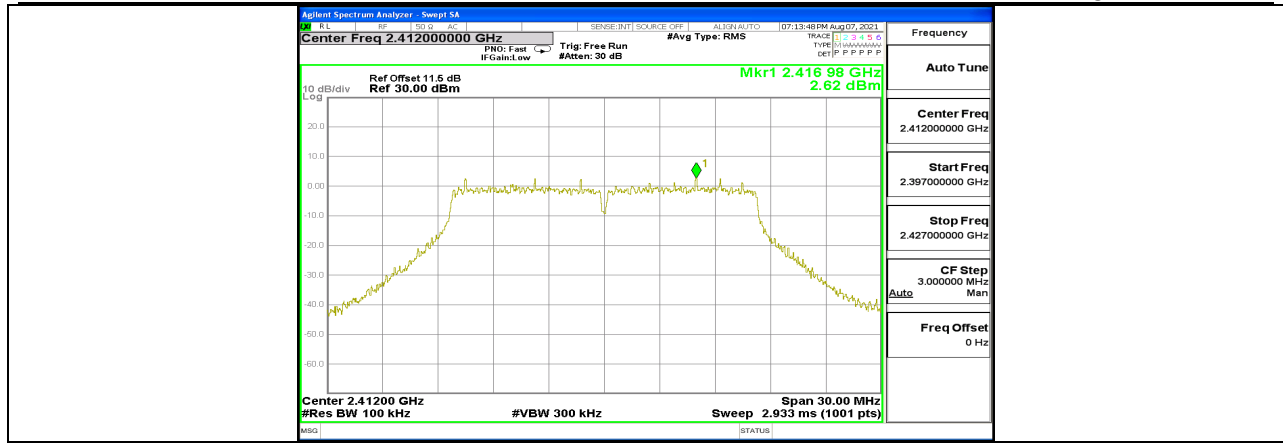
11B_Ant1_2462_0~Reference



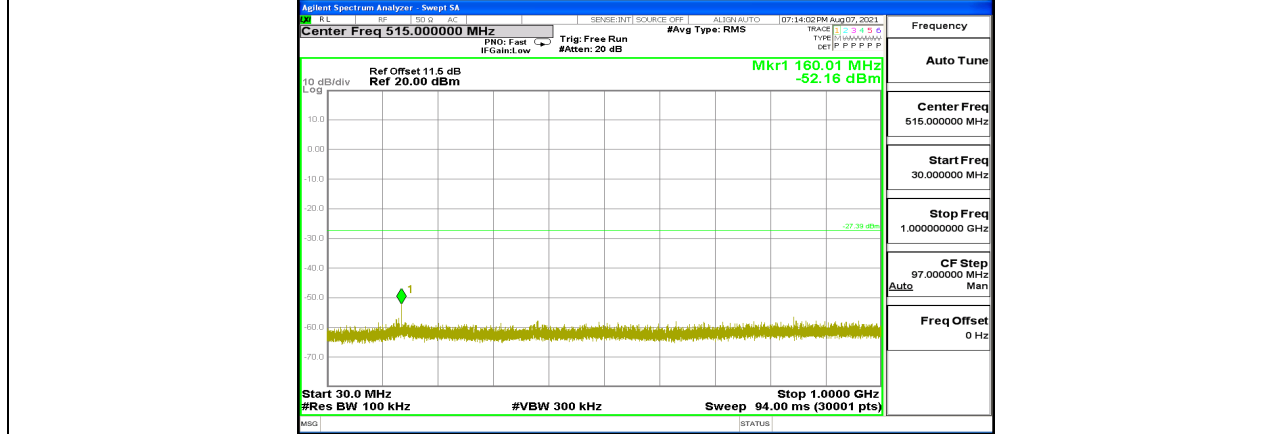
11B_Ant1_2462_30~1000



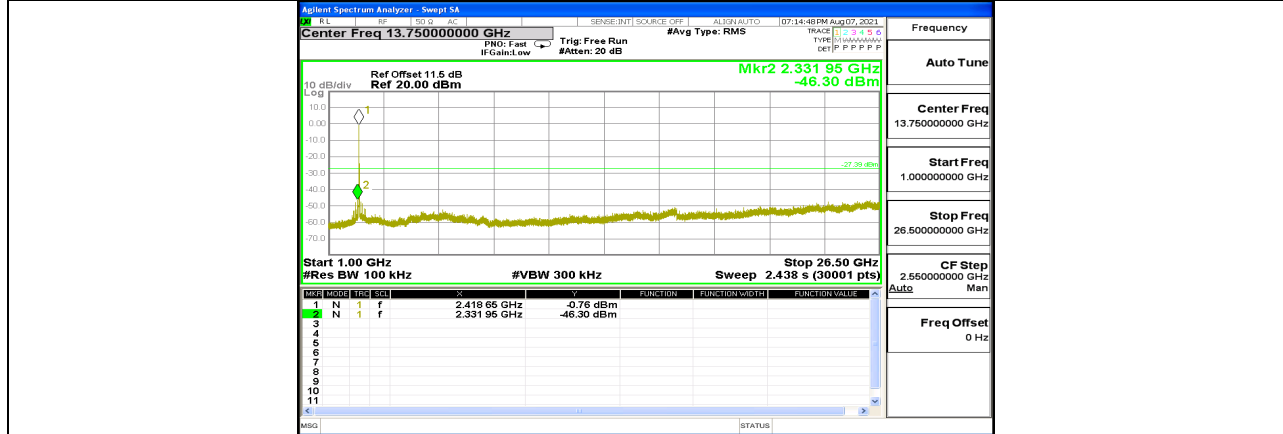
11B_Ant1_2462_1000~26500



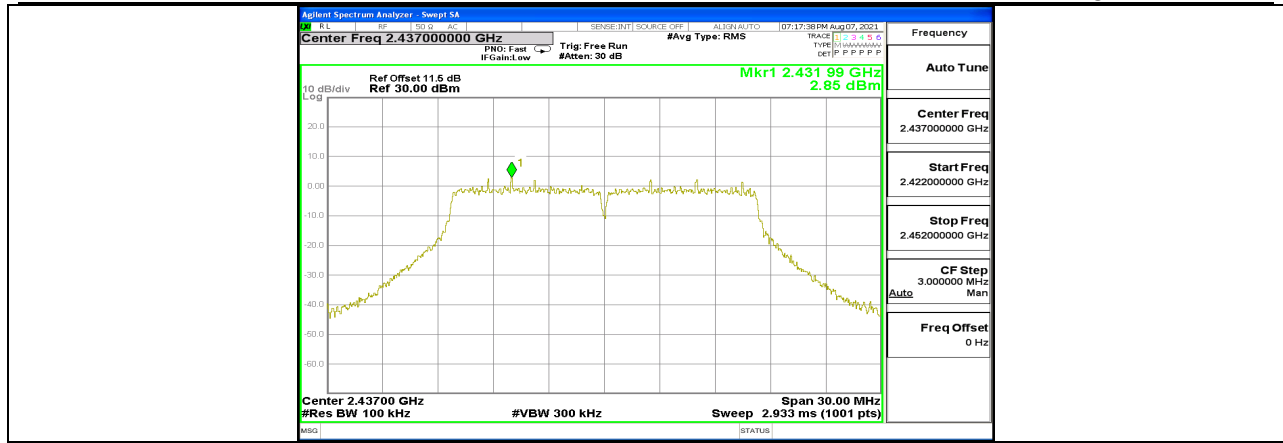
11G Ant1 2412_0~Reference



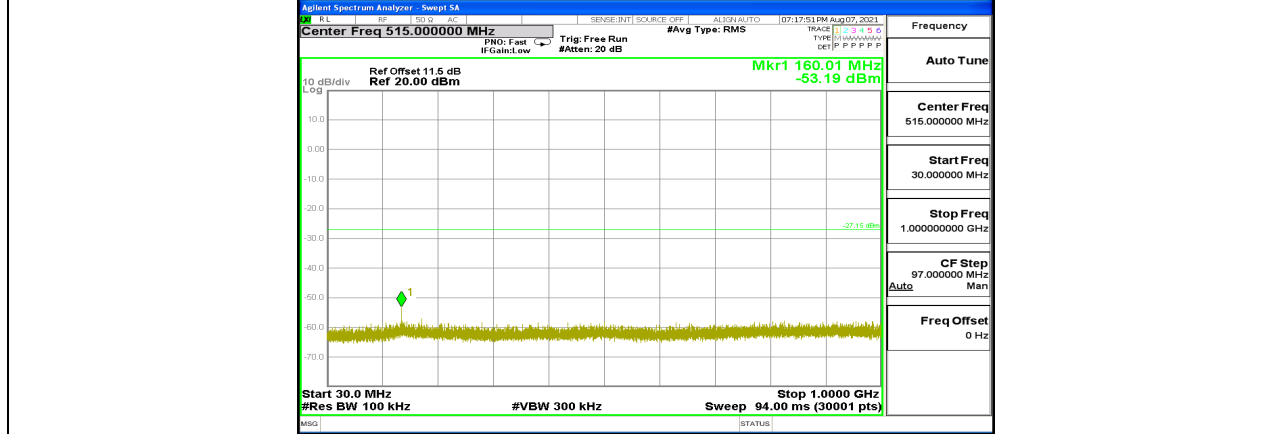
11G Ant1 2412_30~1000



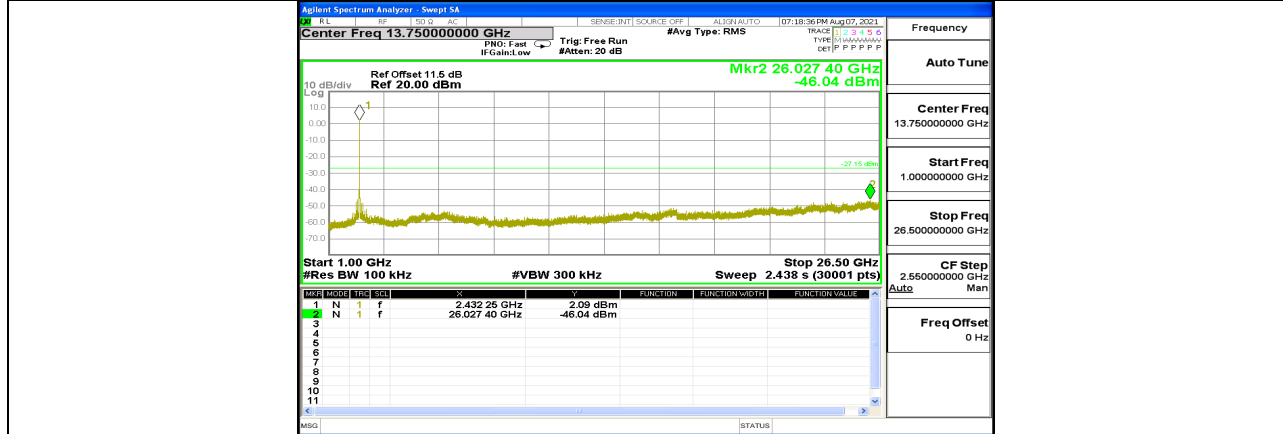
11G Ant1 2412_1000~26500



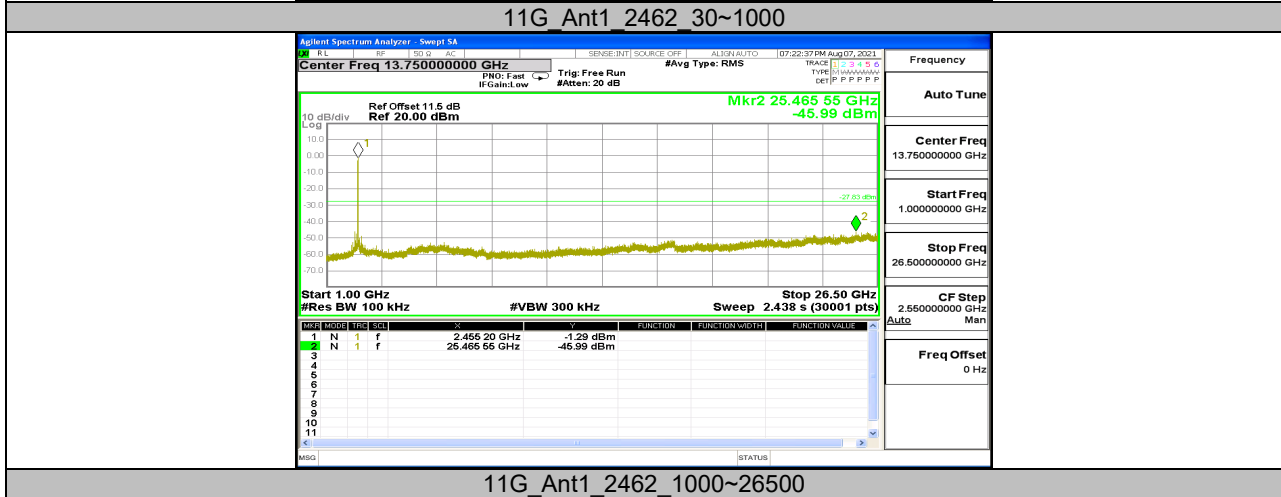
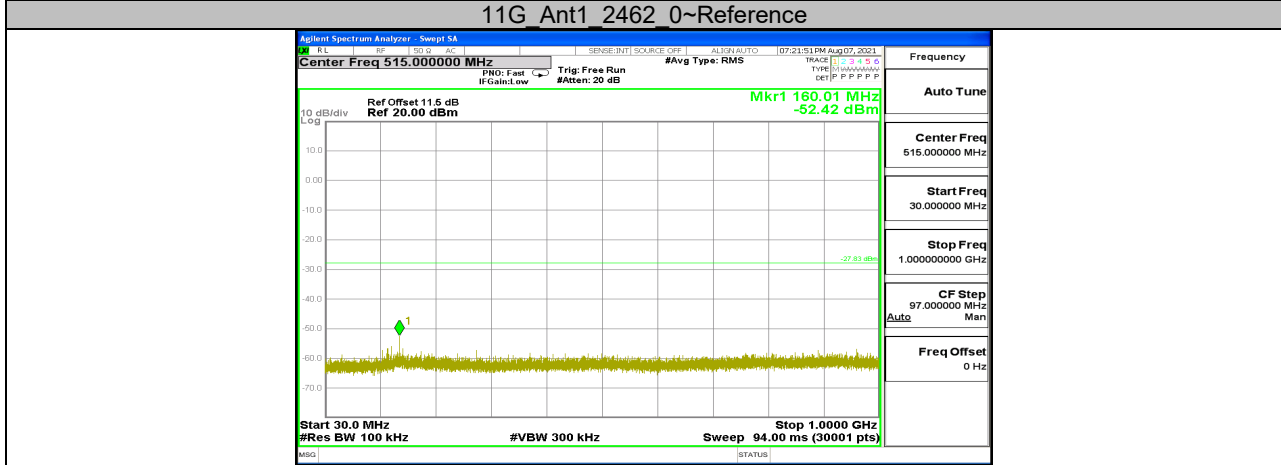
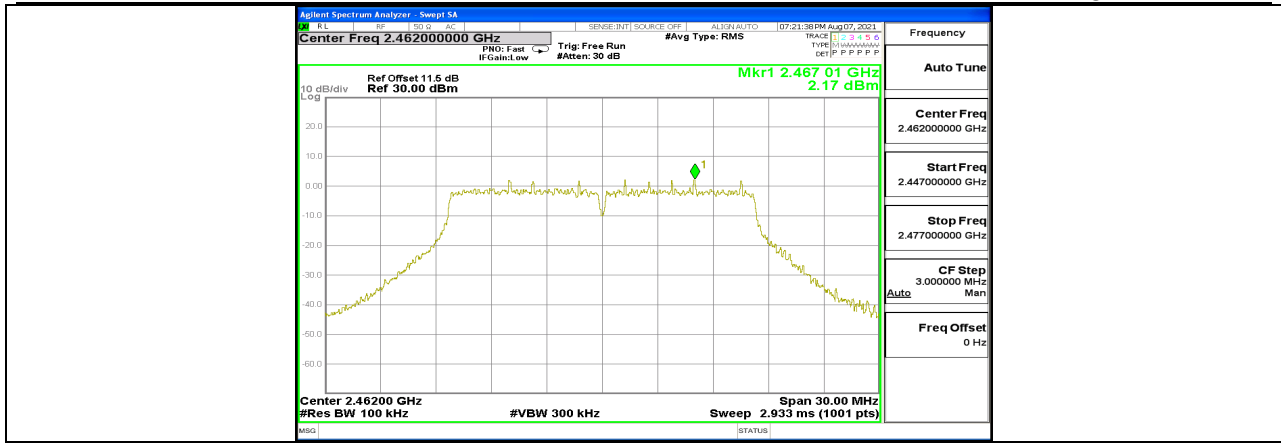
11G Ant1 2437 0~Reference

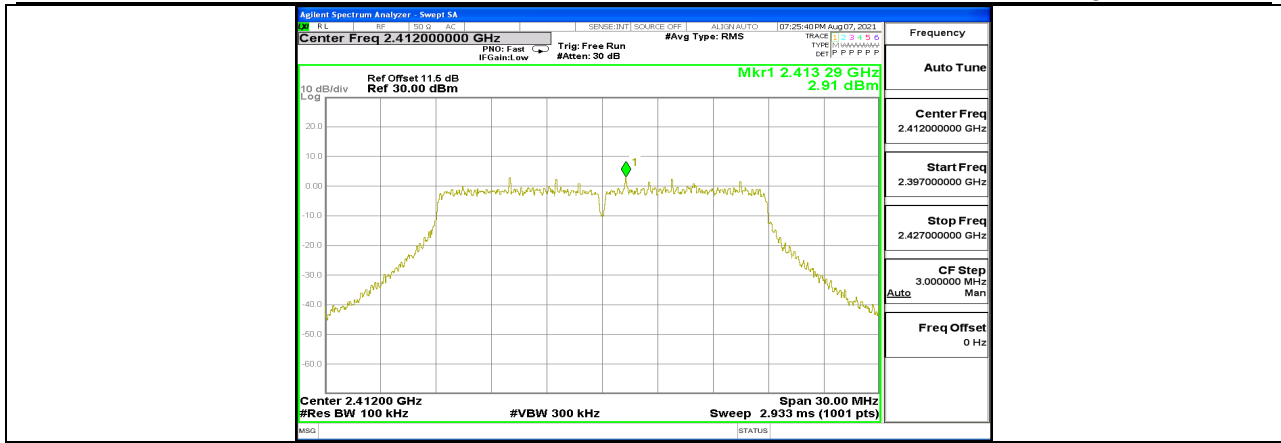


11G Ant1 2437 30~1000

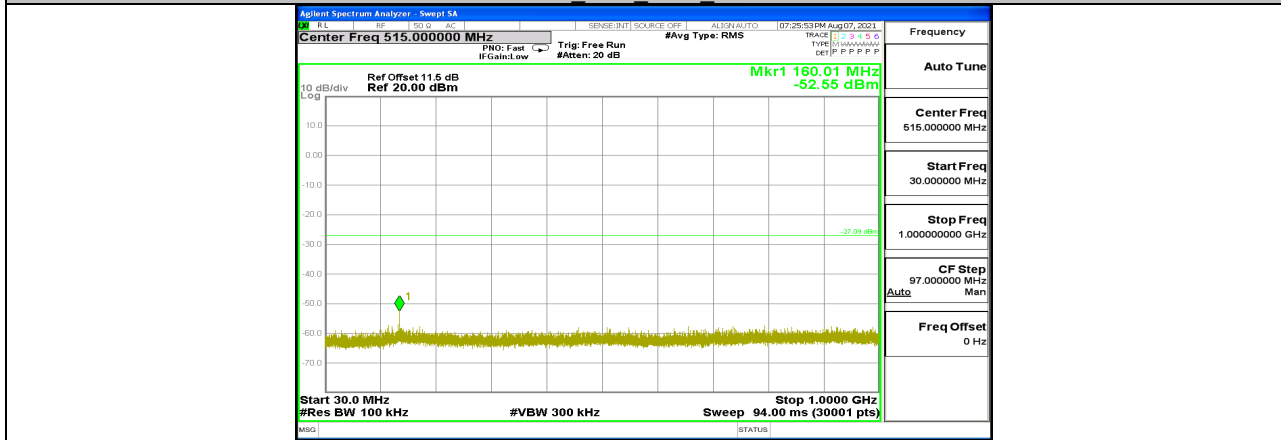


11G Ant1 2437 1000~26500

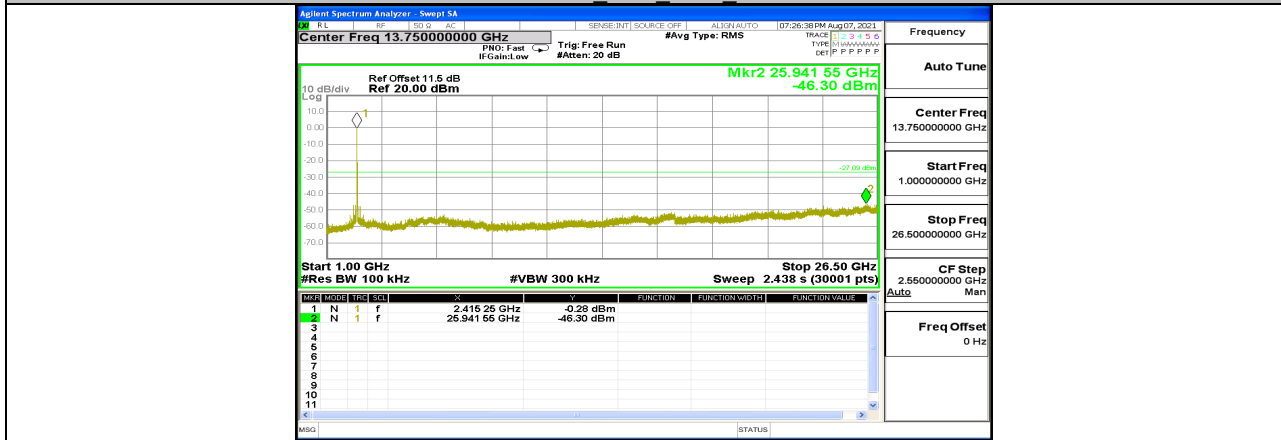




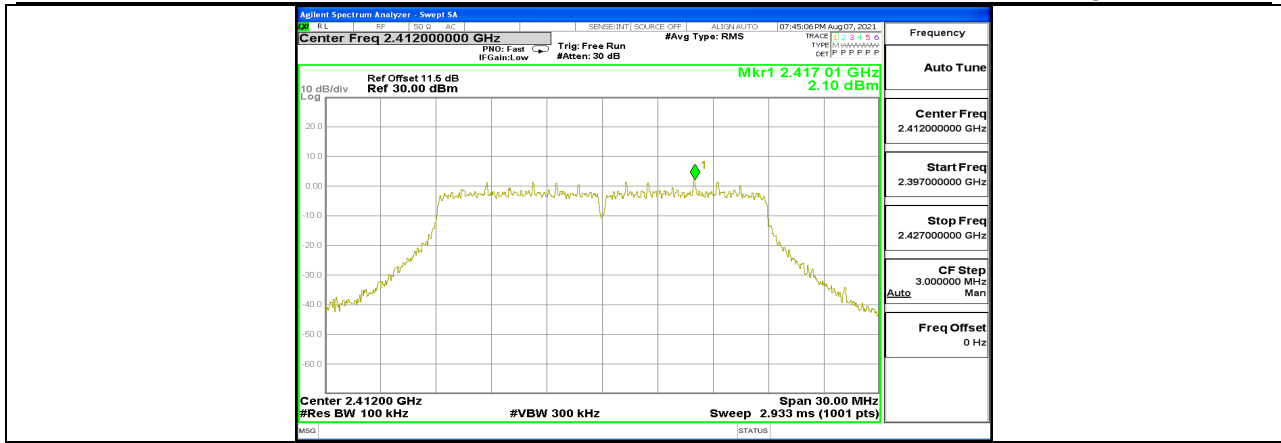
11N20MIMO Ant1 2412_0~Reference



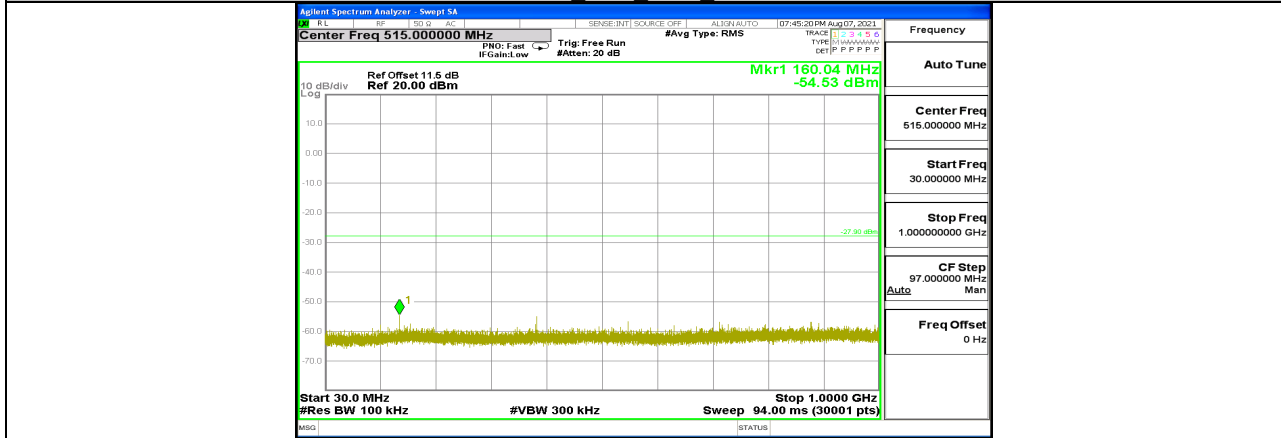
11N20MIMO Ant1 2412_30~1000



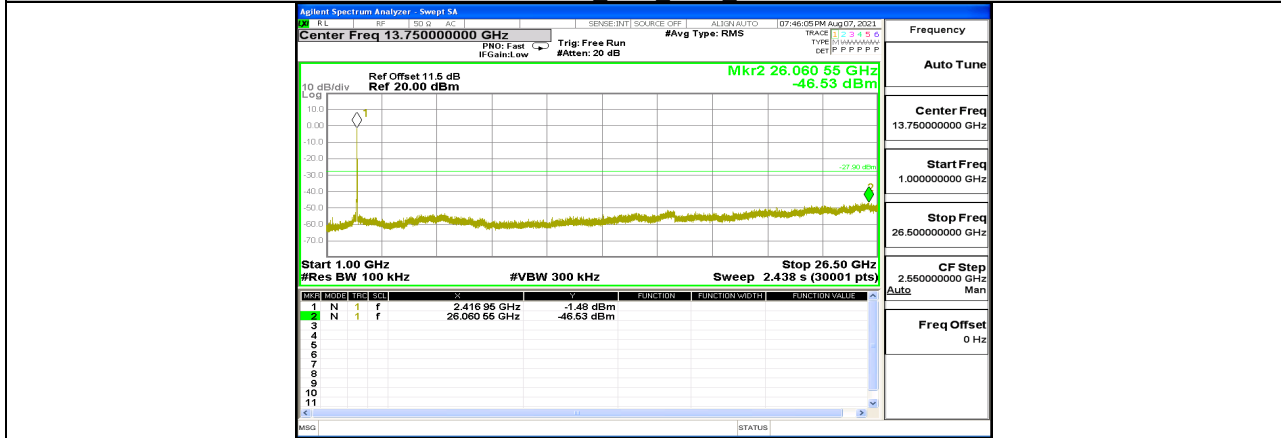
11N20MIMO Ant1 2412_1000~26500



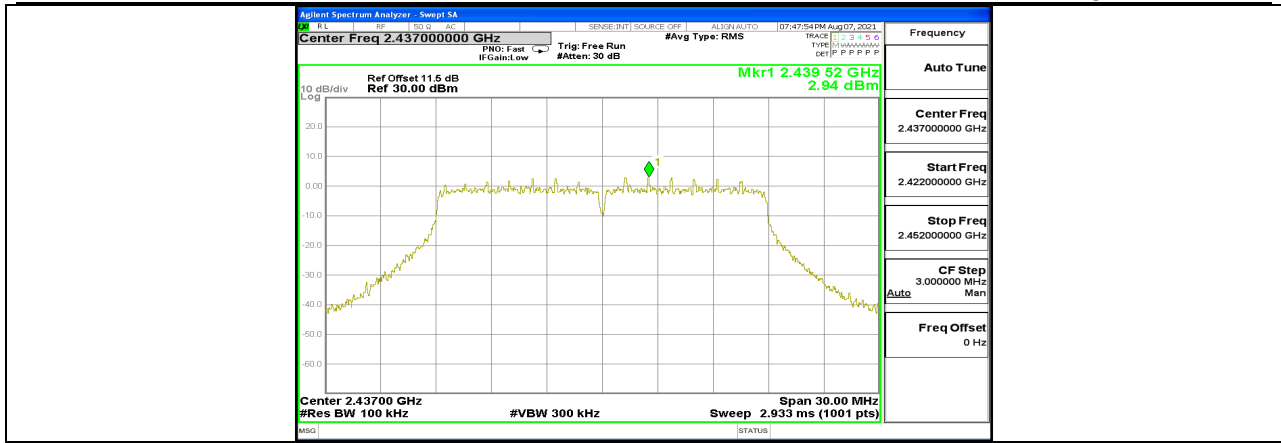
11N20MIMO Ant2 2412_0~Reference



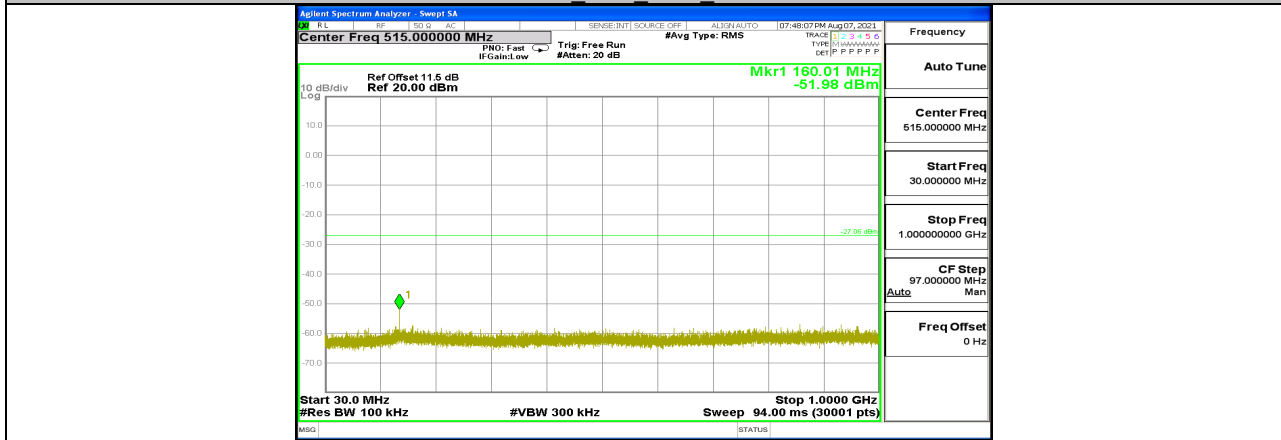
11N20MIMO Ant2 2412_30~1000



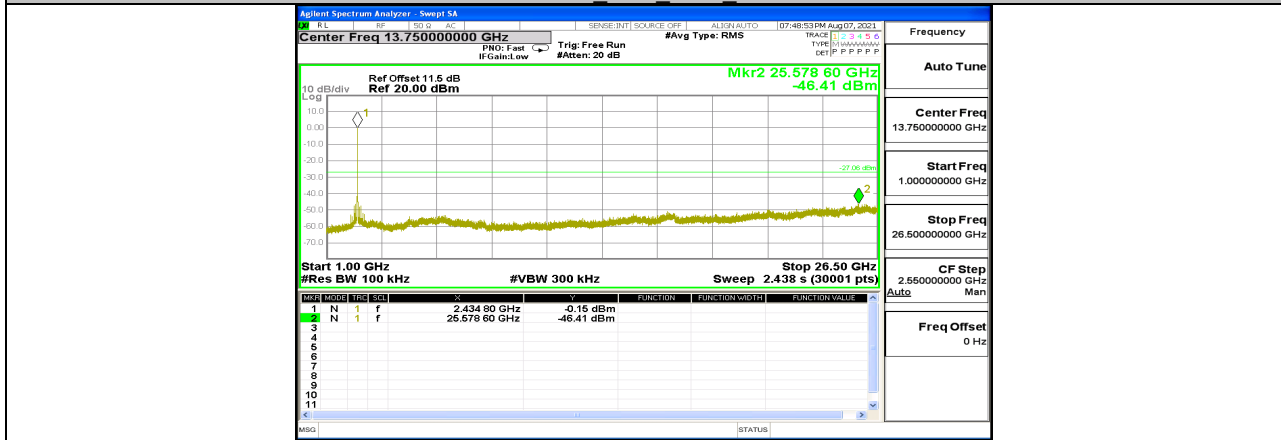
11N20MIMO Ant2 2412_1000~26500



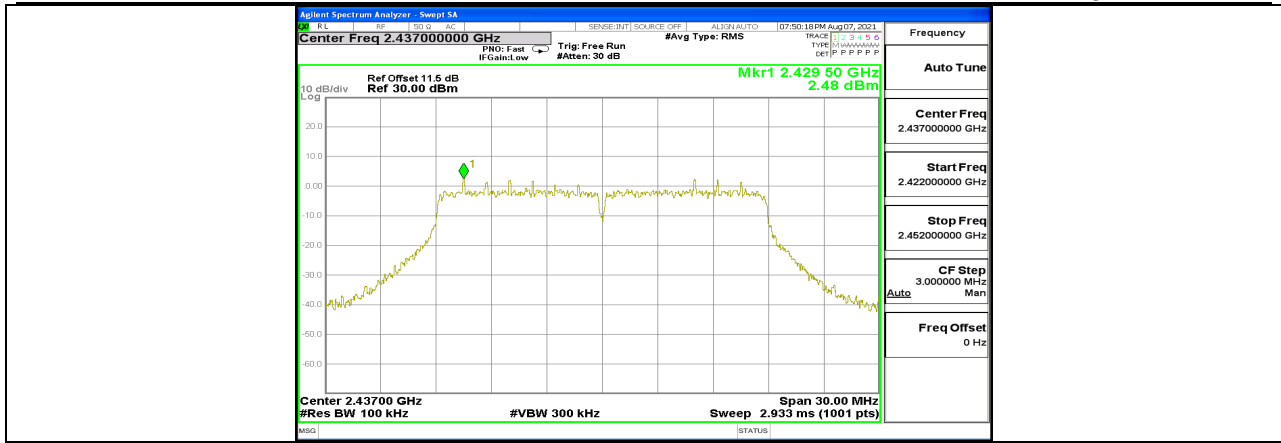
11N20MIMO Ant1 2437_0~Reference



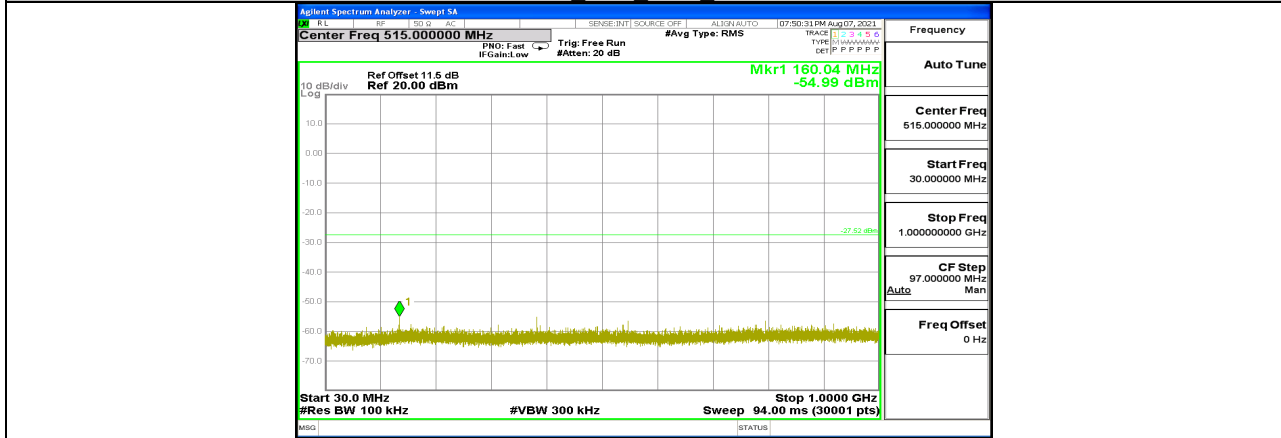
11N20MIMO Ant1 2437_30~1000



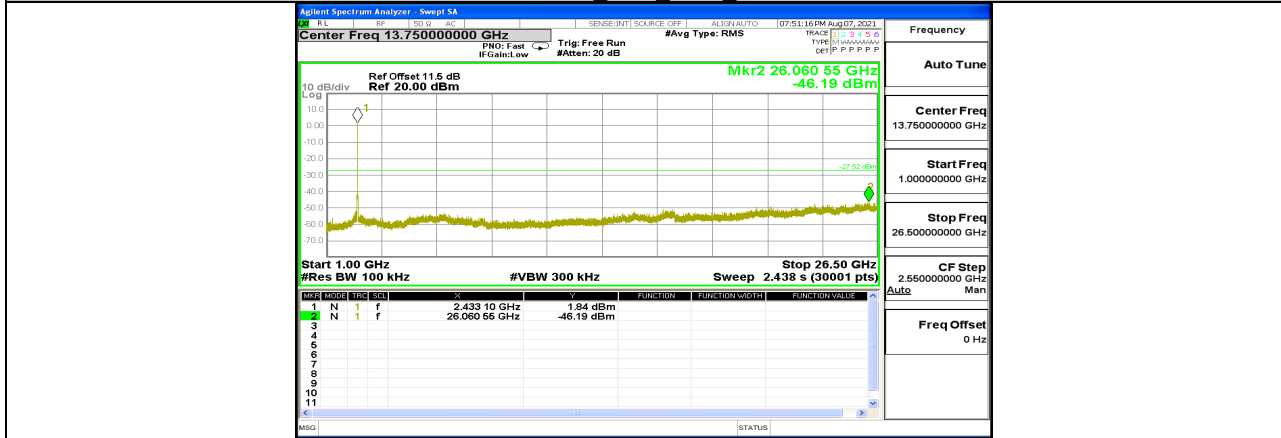
11N20MIMO Ant1 2437_1000~26500



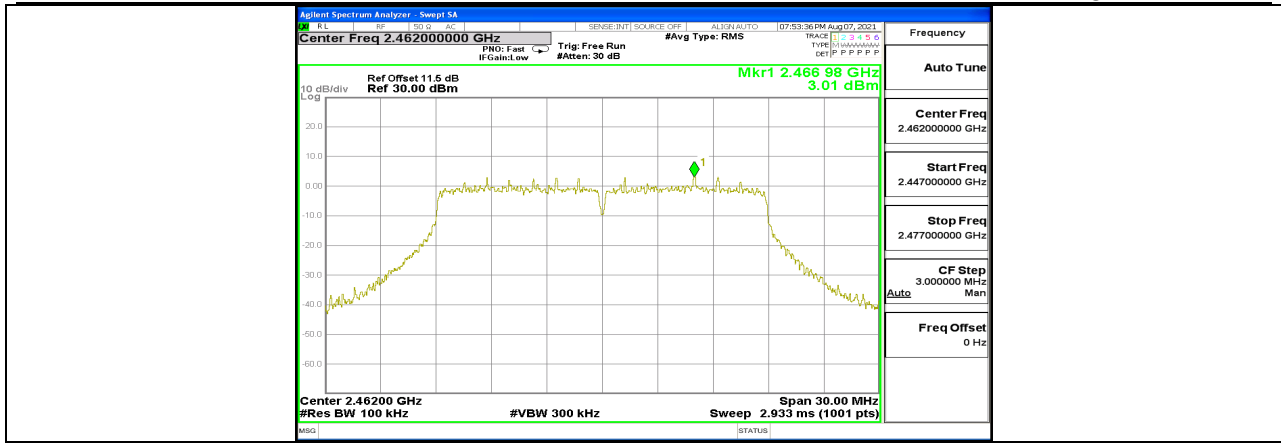
11N20MIMO Ant2 2437_0~Reference



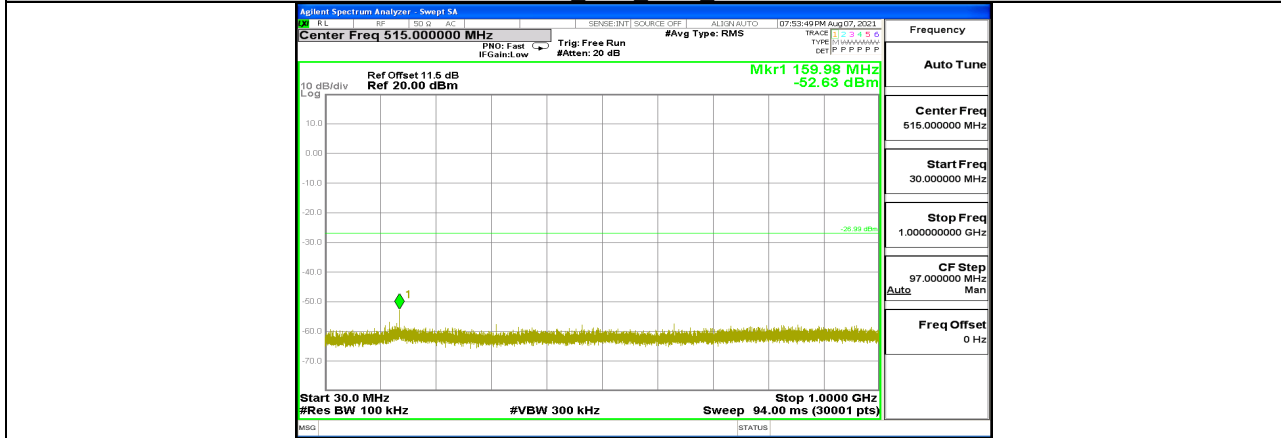
11N20MIMO Ant2 2437_30~1000



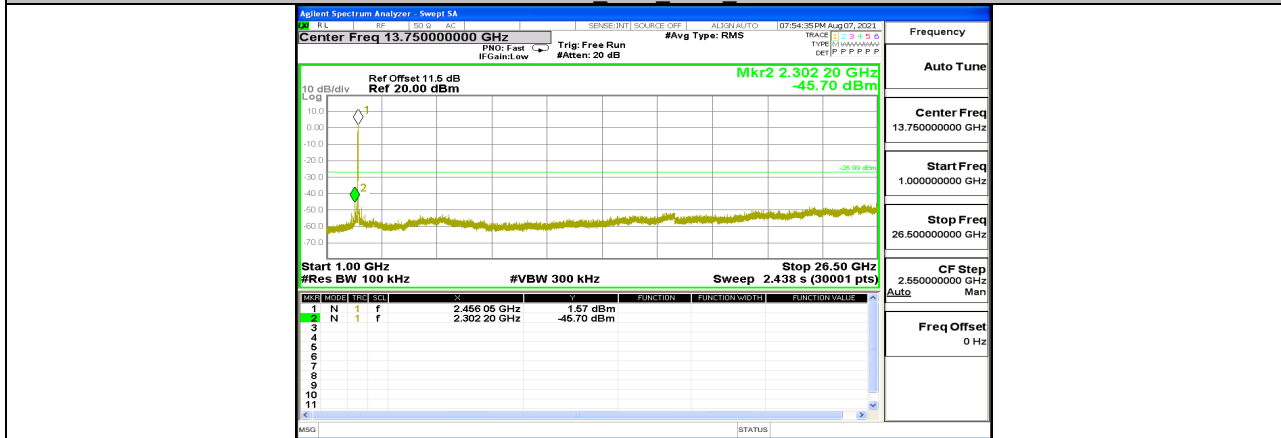
11N20MIMO Ant2 2437_1000~26500



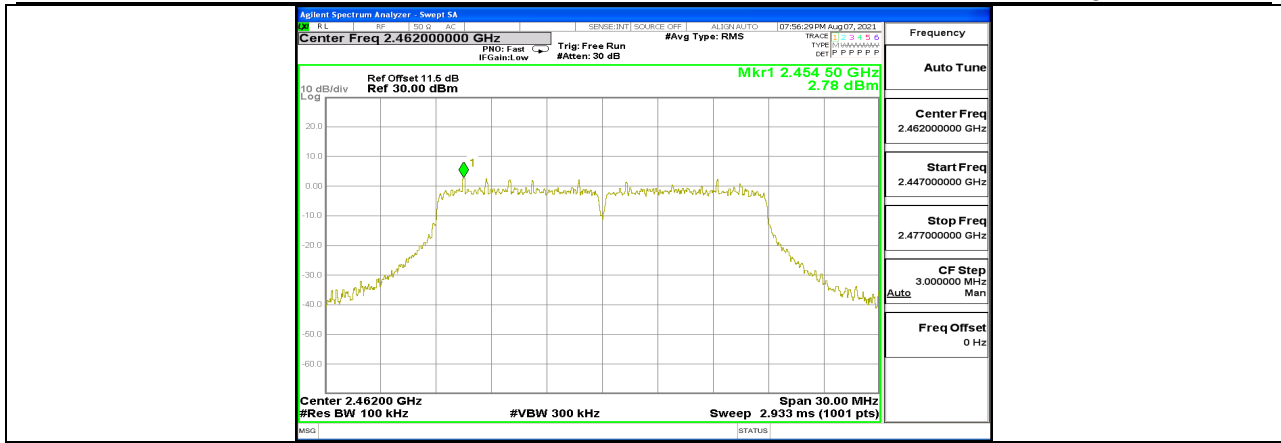
11N20MIMO Ant1 2462_0~Reference



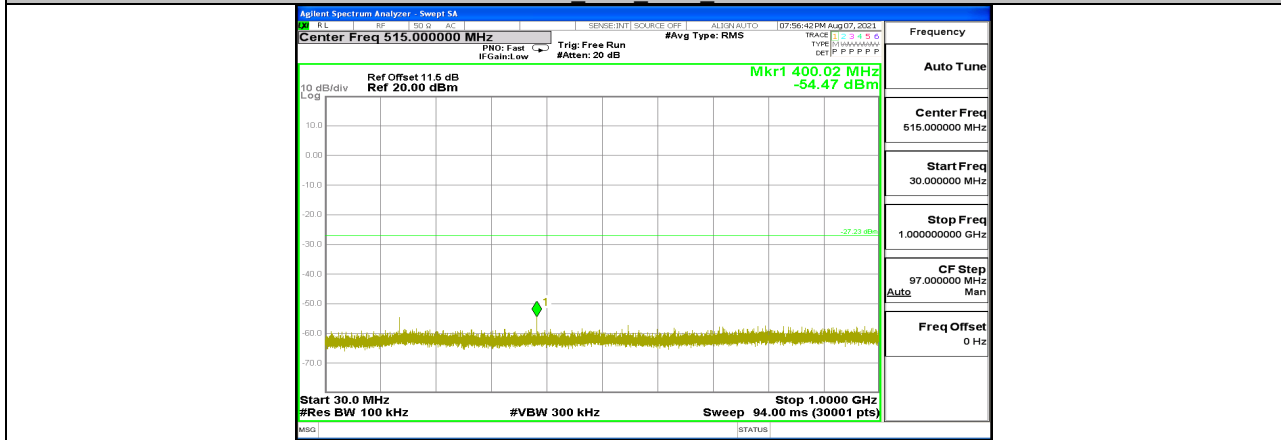
11N20MIMO Ant1 2462_30~1000



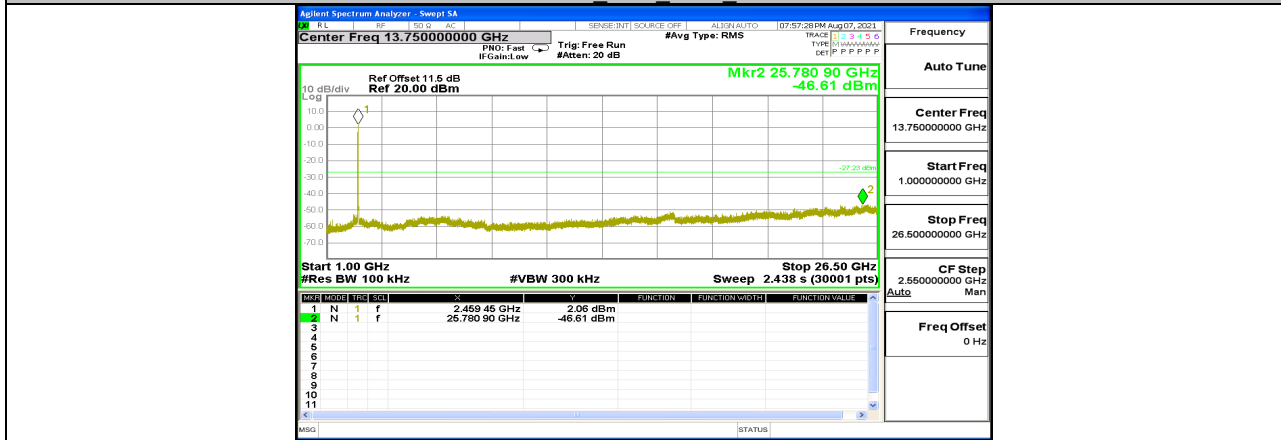
11N20MIMO Ant1 2462_1000~26500



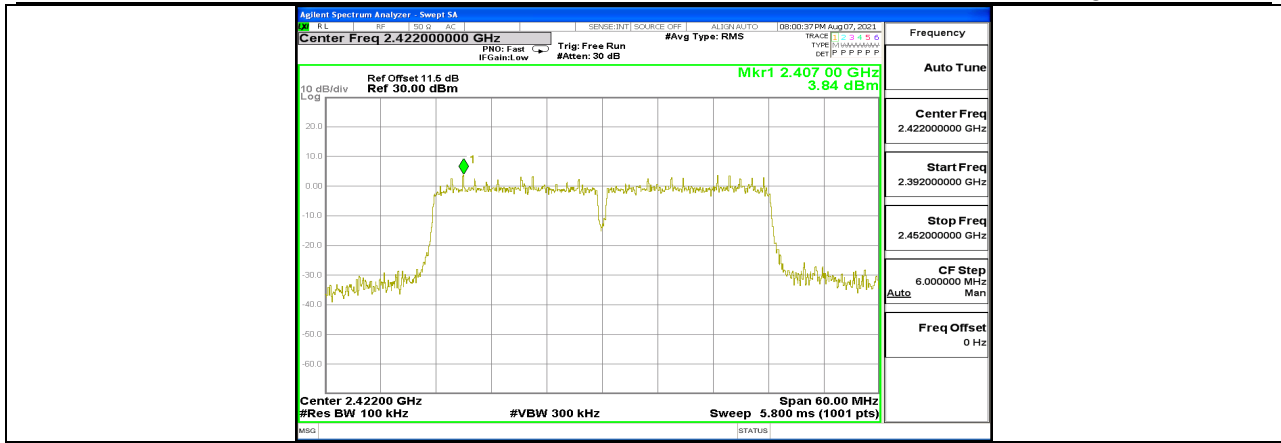
11N20MIMO Ant2 2462_0~Reference



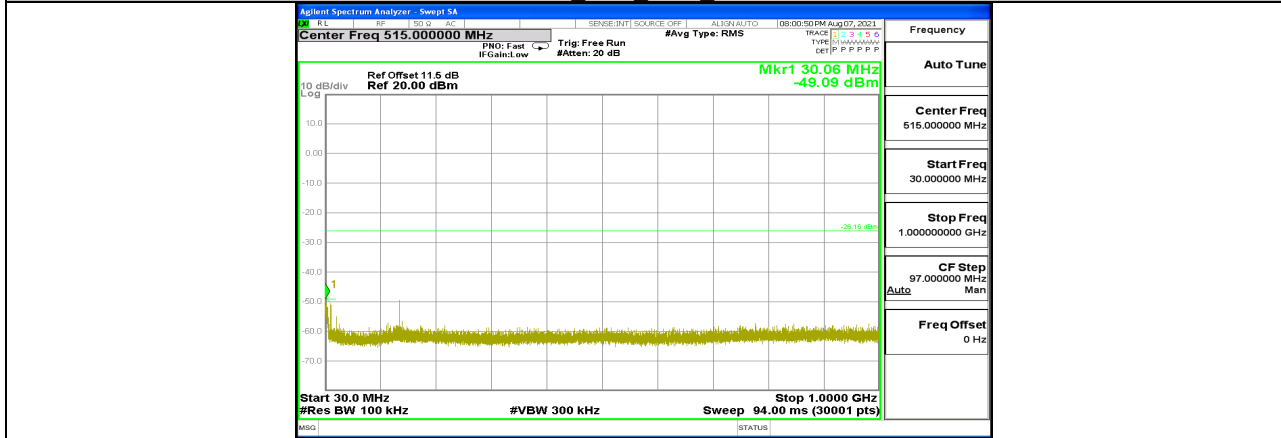
11N20MIMO Ant2 2462_30~1000



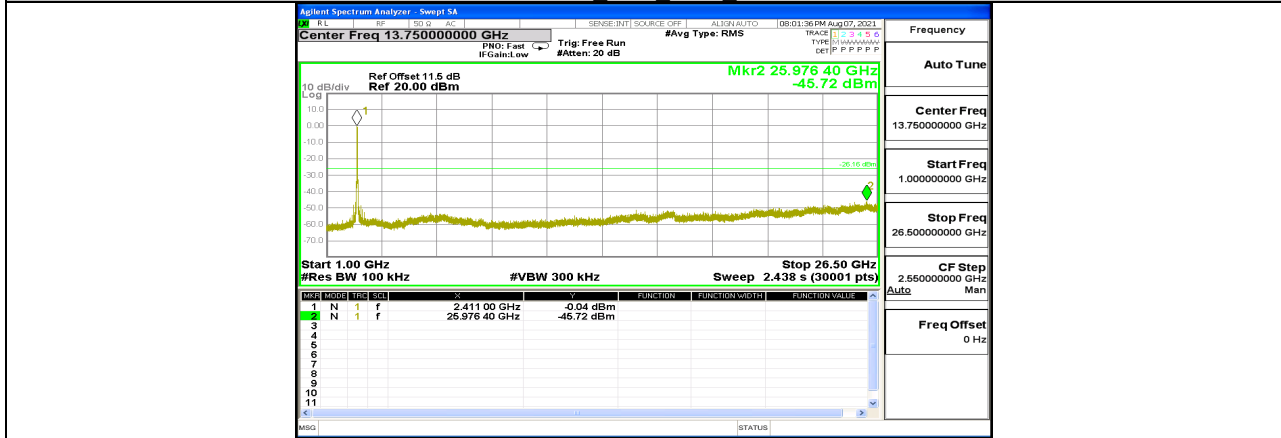
11N20MIMO Ant2 2462_1000~26500



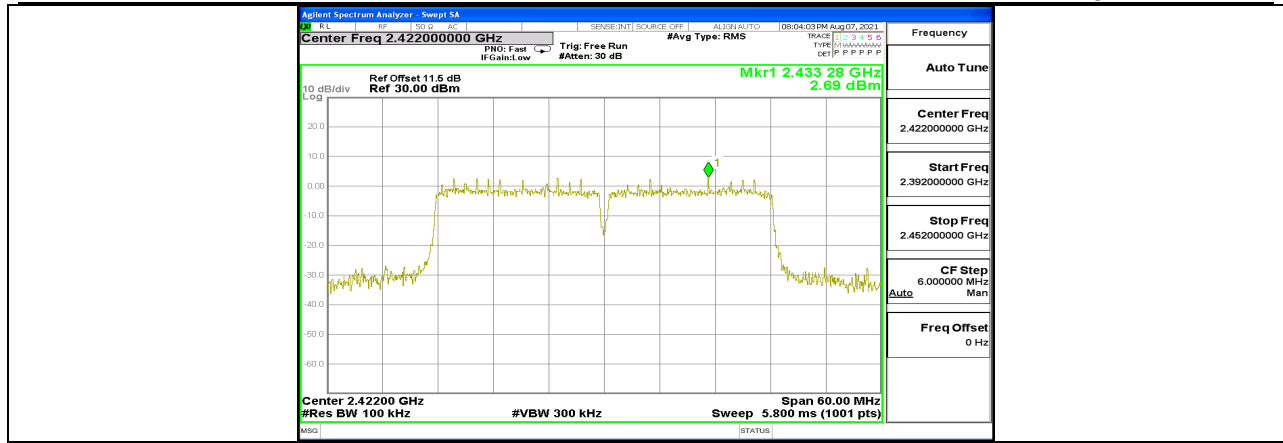
11N40MIMO Ant1 2422_0~Reference



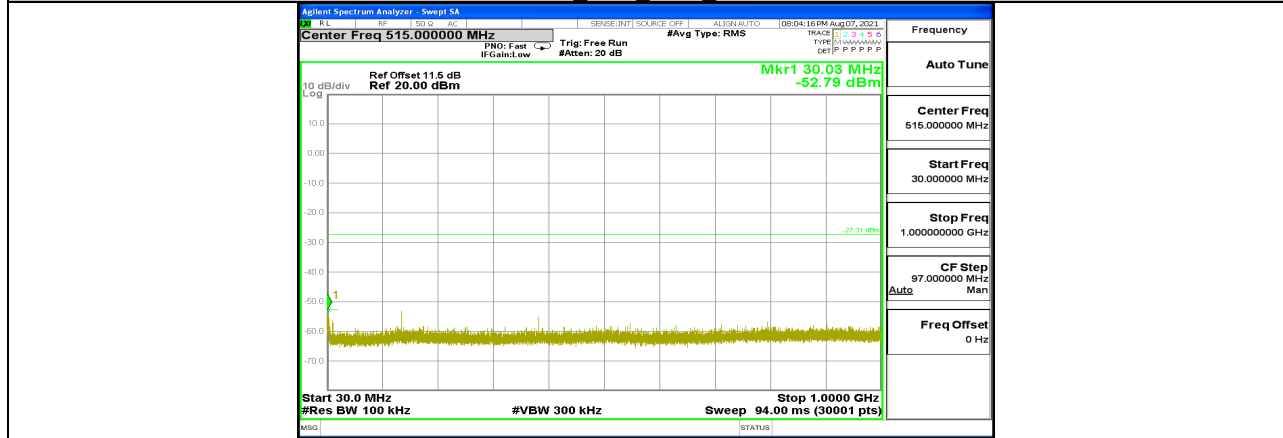
11N40MIMO Ant1 2422_30~1000



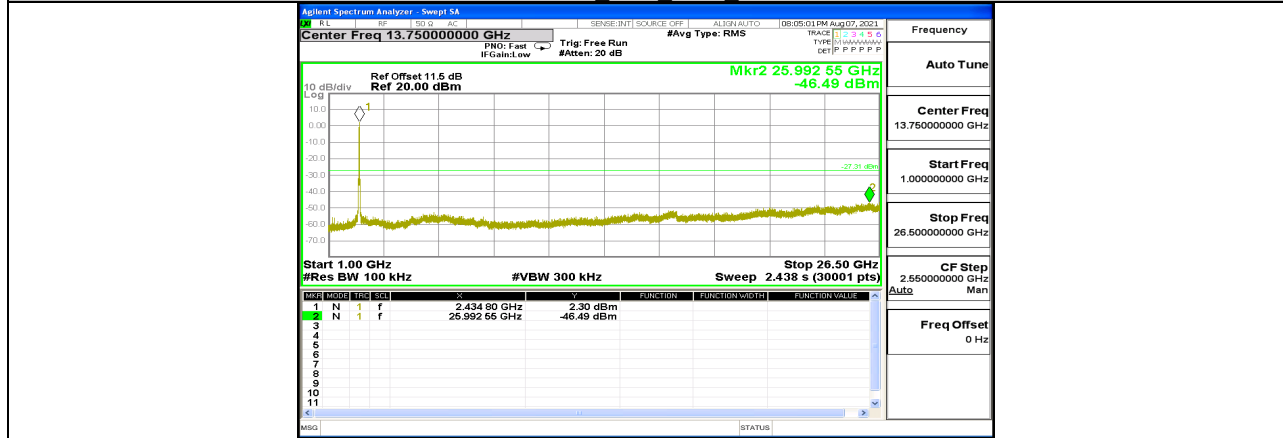
11N40MIMO Ant1 2422_1000~26500



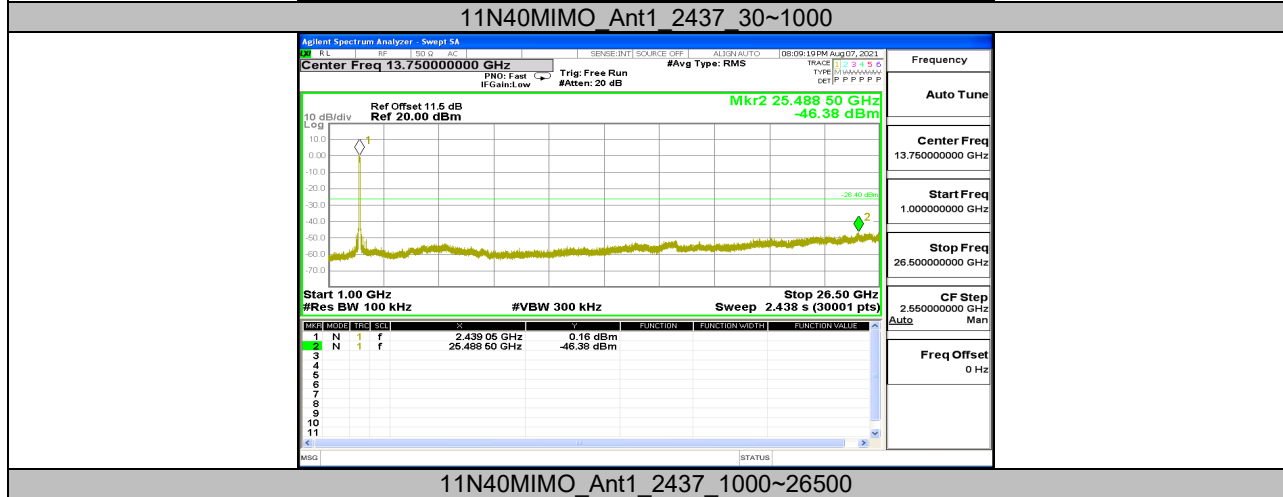
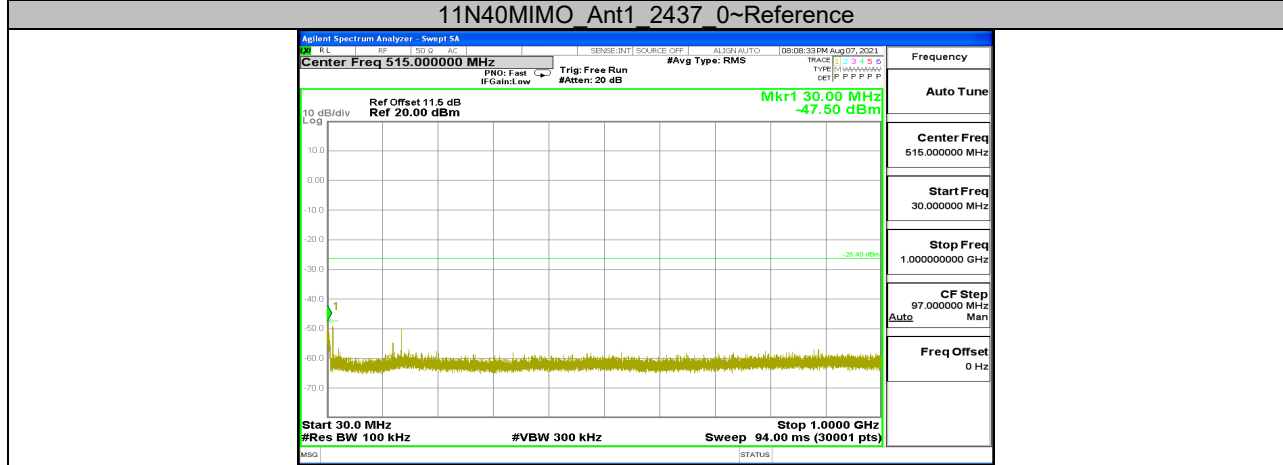
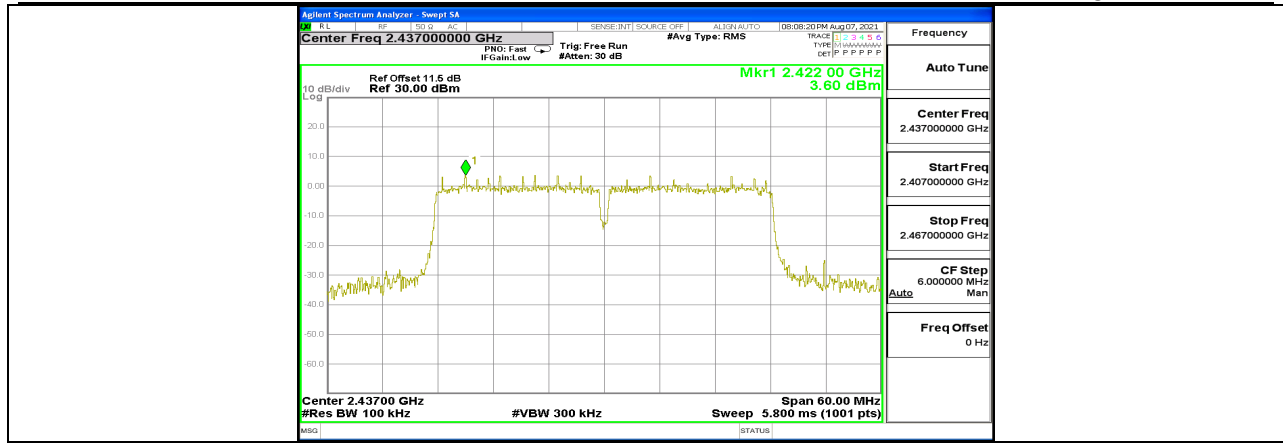
11N40MIMO Ant2 2422_0~Reference

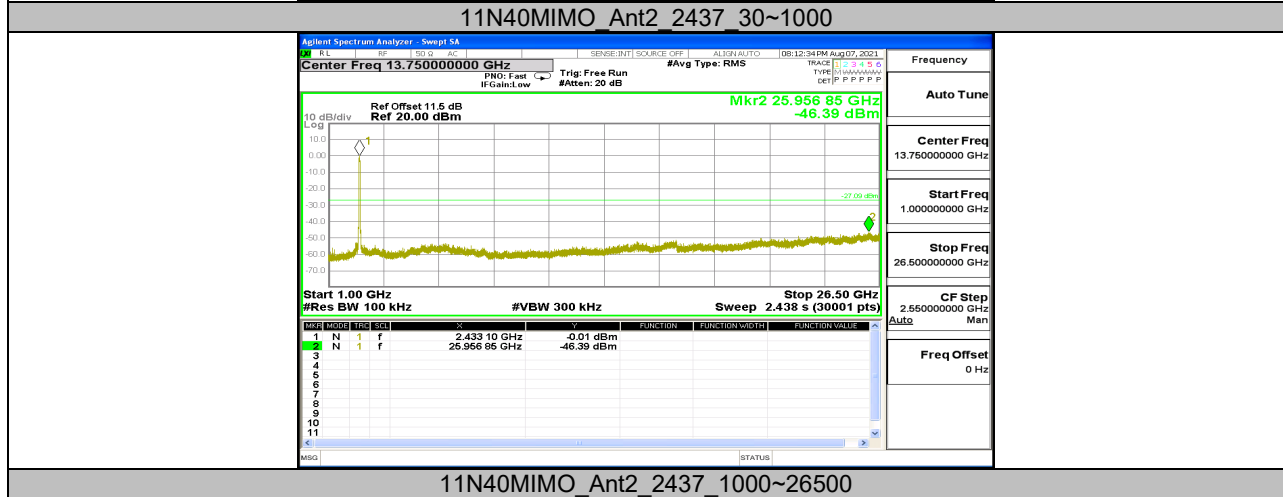
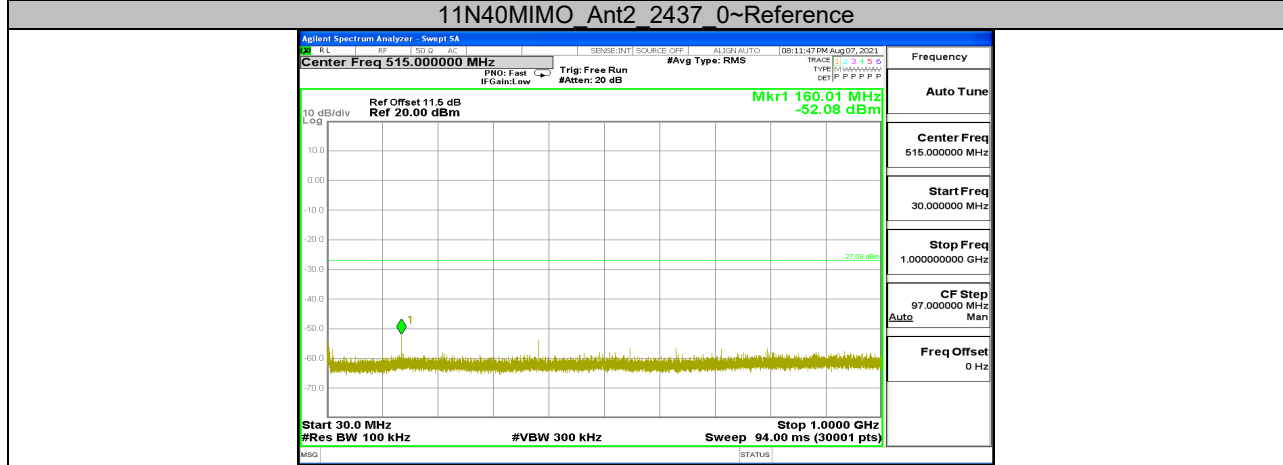
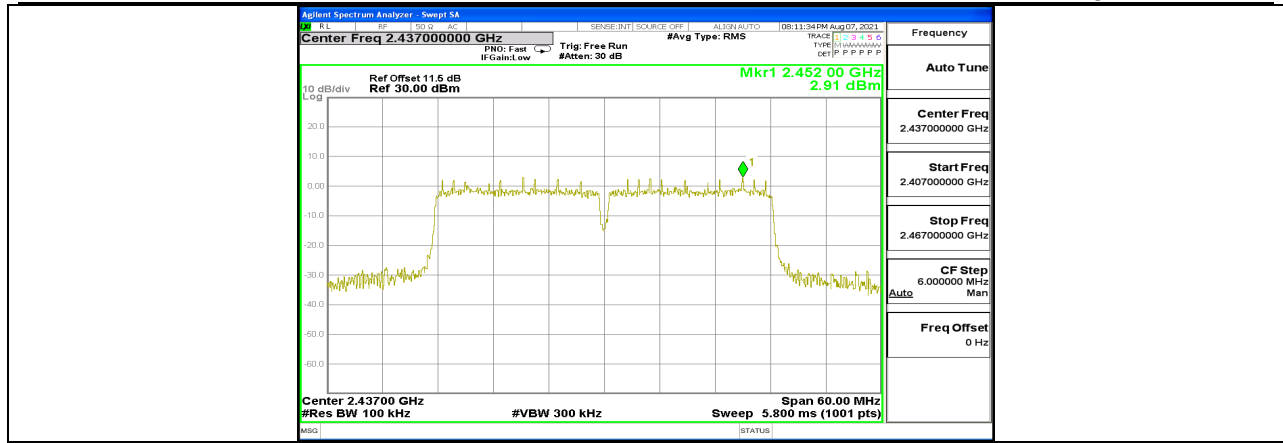


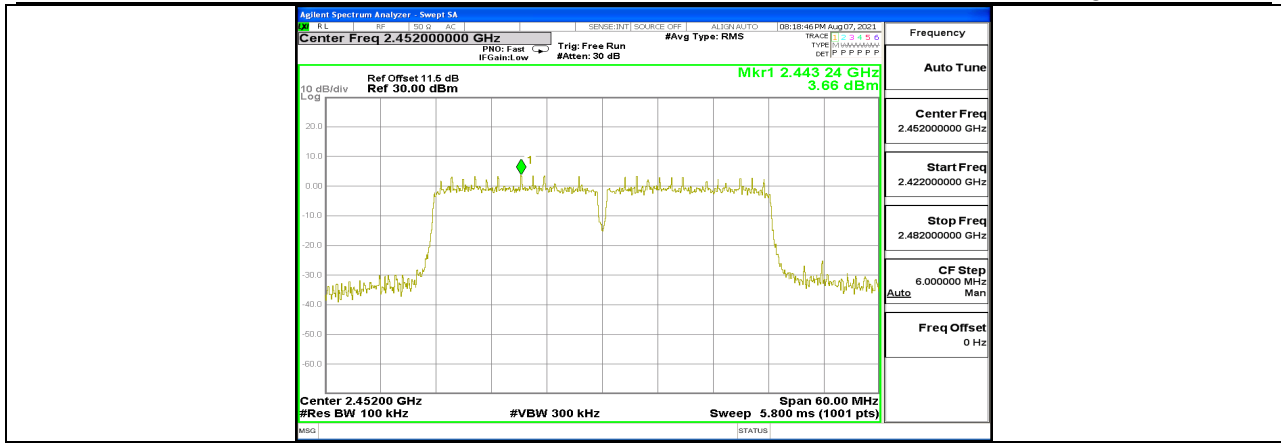
11N40MIMO Ant2 2422_30~1000



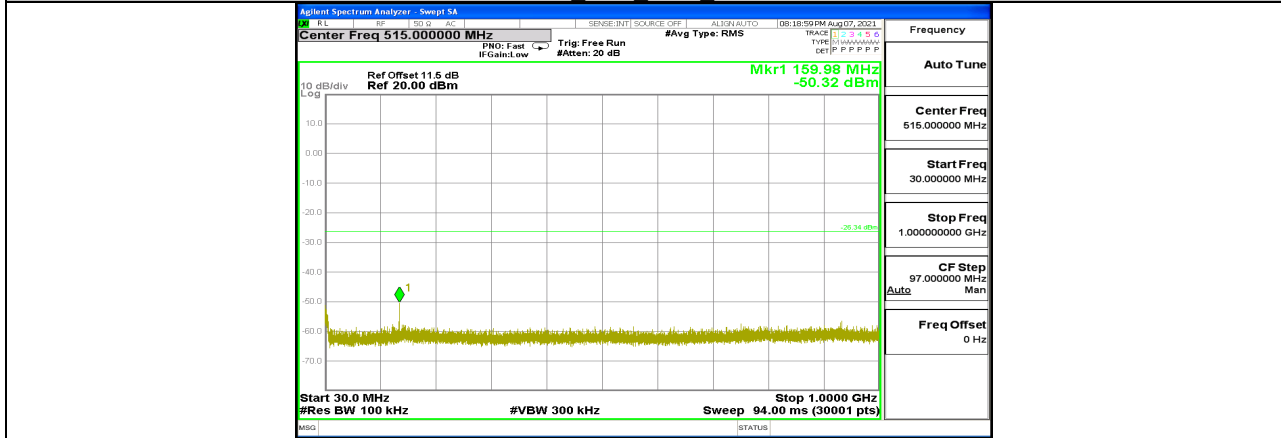
11N40MIMO Ant2 2422_1000~26500



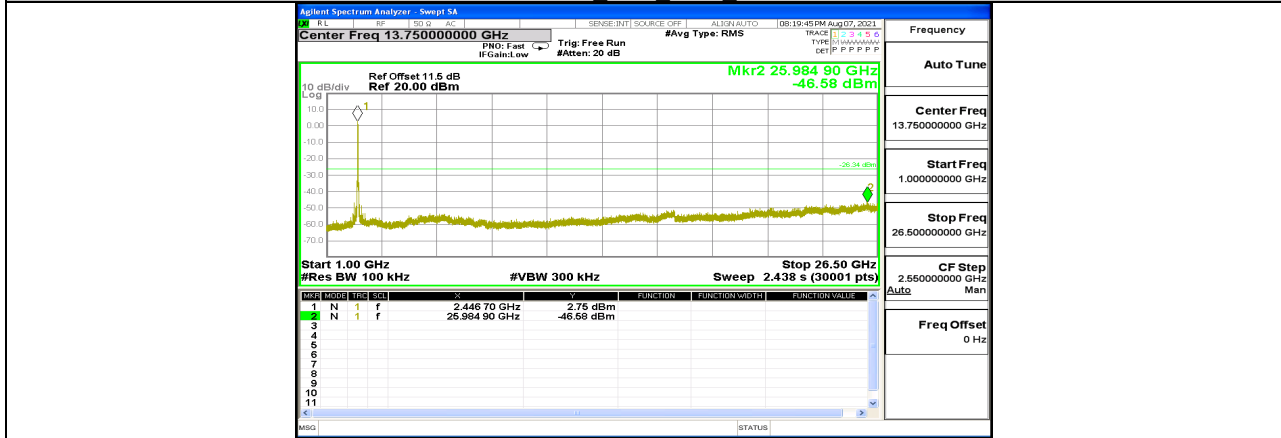




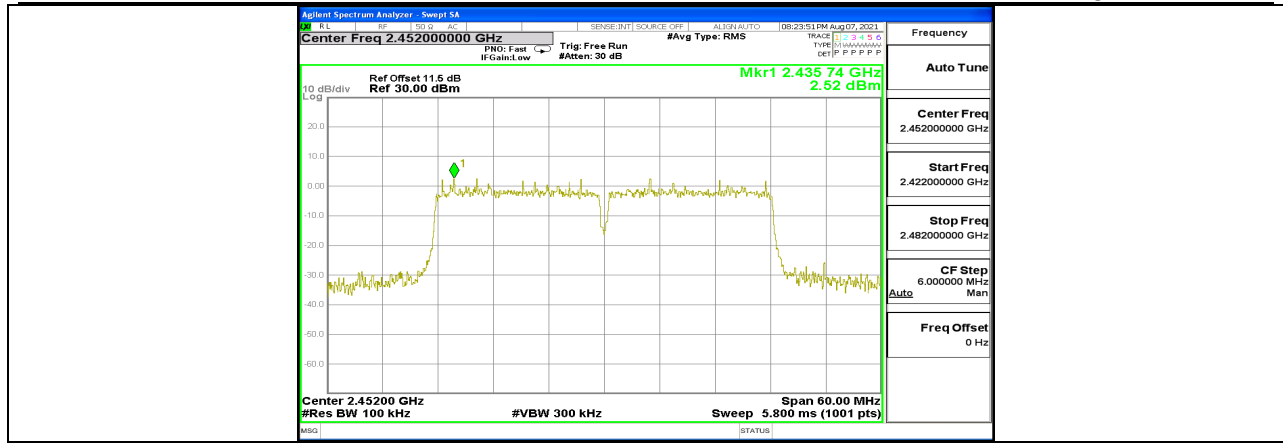
11N40MIMO Ant1 2452_0~Reference



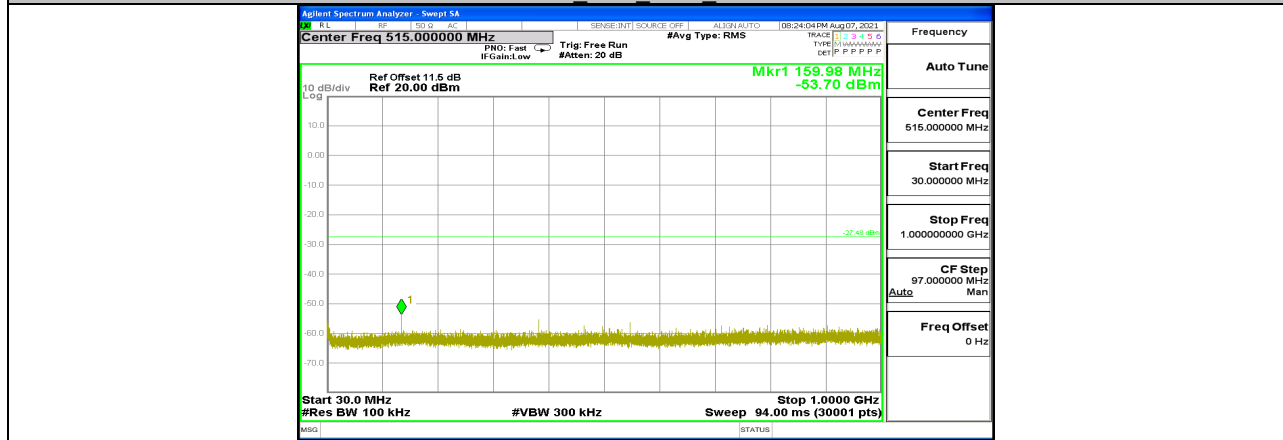
11N40MIMO Ant1 2452_30~1000



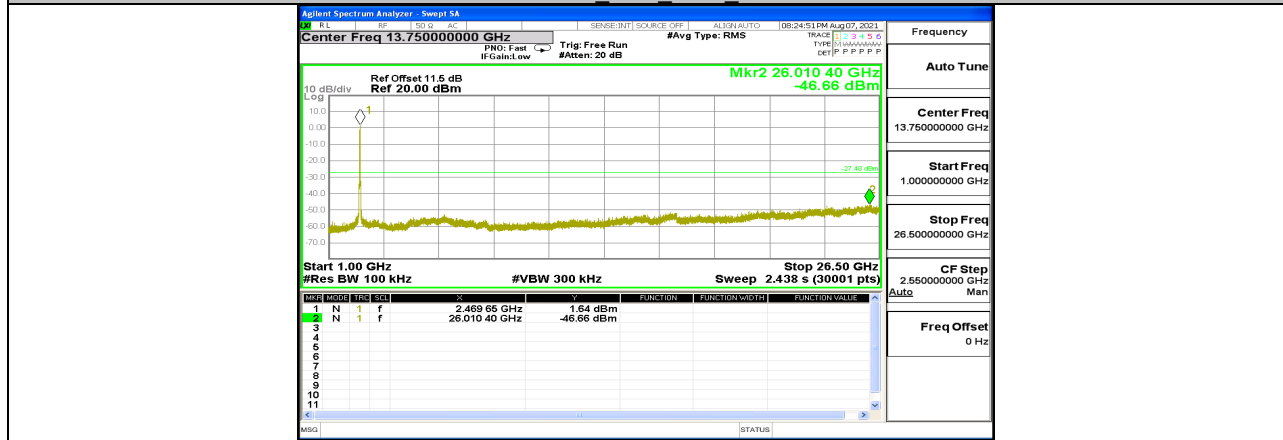
11N40MIMO Ant1 2452_1000~26500



11N40MIMO Ant2 2452_0~Reference



11N40MIMO Ant2 2452_30~1000



11N40MIMO Ant2 2452_1000~26500



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	12.42	12.47	0.9960	99.60	0.02	0.08	0.01
11G	2.064	2.307	0.8947	89.47	0.48	0.48	0.5
11N20MIMO	1.917	2.175	0.8814	88.14	0.55	0.52	1
11N40MIMO	1.904	2.175	0.8754	87.54	0.58	0.53	1

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.



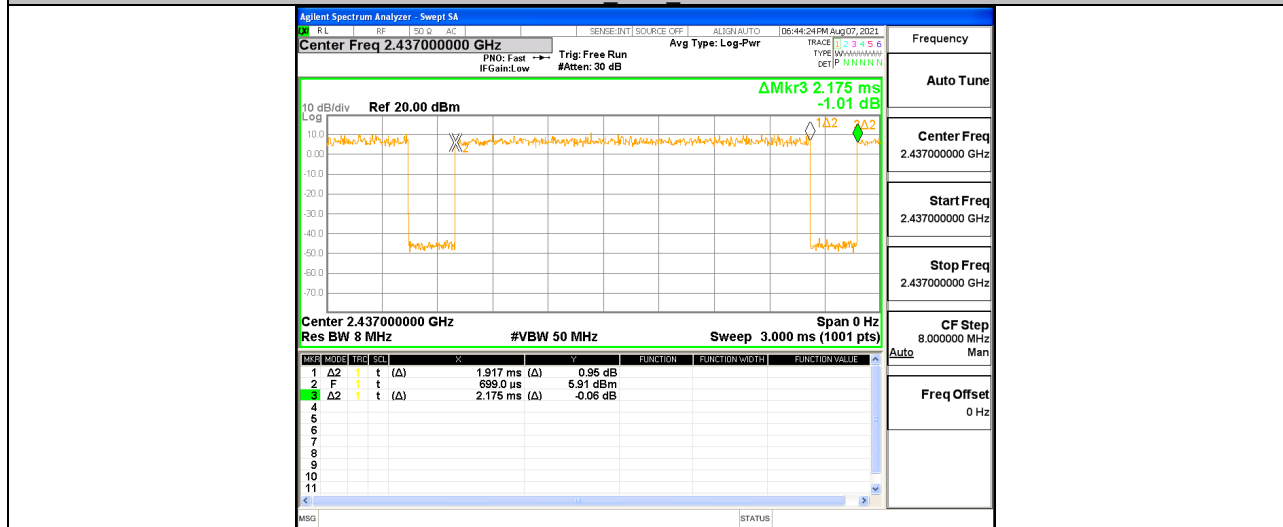
11.7.2. Test Graphs



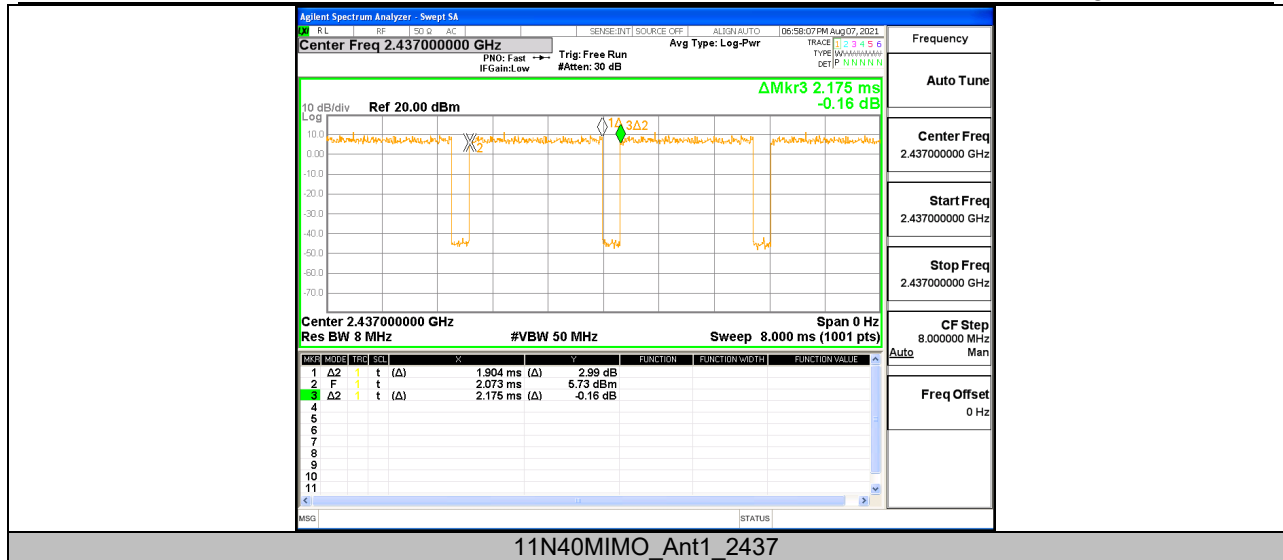
11B Ant1 2437



11G Ant1 2437



11N20MIMO Ant1 2437



END OF REPORT